

AT&T PRACTICES MASTER INDEX

NUMERICAL

ALPHABETICAL



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AT&T PRACTICES MASTER INDEX



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1. INTRODUCTION

A. General

1.01 This practice provides an index to all practices developed and maintained by AT&T Technologies, Inc., and identified under the 9-digit numbering plan. These practices are documents authorized by AT&T Technologies, Inc., as the recommended instructions and criteria for planning, engineering, installing, operating, and maintaining telecommunications equipment and software products designed and manufactured by AT&T Technologies, Inc. These practices also play an important part in the training of personnel.

1.02 This practice is reissued to include all new or reissued practices.

1.03 Recommendations for changes to this practice should be forwarded to AT&T Technologies, Guidelines & User Support Group, 2400 Reynolda Rd., Winston-Salem, N.C. 27106.

B. Numbering

1.04 A 9-digit (XXX-YYY-ZZZ) numbering plan is used for AT&T Practices with each practice being assigned a unique 9-digit number in accordance with the subject matter covered. This plan permits organizing information into various categories to simplify and improve indexing. This plan also provides a convenient means for ordering, distributing, and filing practices.

1.05 In the 9-digit numbering plan, the first three digits, **XXX**, identify major categories of information and are referred to as **division** numbers. The fourth digit, **xxx-Y**, identifies a subdivision of a given category of information and is referred to as the **layer** number. The fifth and sixth digits, **xxx-yYY**, represent a further breakdown and are referred to as **sublayer** numbers. This scheme permits the breakdown of a division into subcategories of information. The last three digits, **xxx-yyy-ZZZ**, identify individual practices within a grouping (lay-

ers and sublayers) and are referred to as *key* numbers.

1.06 The general allocation of divisions to various categories of information is shown in Table A.

C. Indexing

1.07 In addition to this master index, other indexes issued as practices provide a cross-reference between subject matter and practice identity. The arrangement of the content of an index varies according to the intent of the index. The content of a given index may be arranged in one of the following schemes.

- Subject matter listed alphabetically
- Subject matter listed numerically
- Subject matter listed alphanumerically
- Subject matter permuted and listed alphabetically.

1.08 The following types of indexes are issued.

- Master Alphabetical Index
- Master Numerical Index
- Divisional Numerical Index
- Divisional Alphabetical Index
- Interdivisional Numerical Index
- Interdivisional Alphanumerical Index
- Intradivisional Alphanumerical Index.

1.09 **Master Alphabetical Index:** This index, AT&T 000-000-001, provides a list of all subjects covered in AT&T Practices. Each subject is cross-referenced to the numerical division (first three digits) in which that subject can be found.

1.10 **Master Numerical Index:** This index, AT&T 000-000-005, provides a list of all numerical divisions. Each division is cross-referenced to the subject matter covered in that division.

TABLE A

CATEGORY OF INFORMATION
TO DIVISIONS ALLOCATED

CATEGORY OF INFORMATION	DIVISIONS ALLOCATED
General Information	000-019
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General Descriptive Information	950-989

1.11 *Divisional Numerical Index:* An index of this type, AT&T XXX-000-000, is provided for each division. All AT&T Practices within a division, along with their current issue numbers, are listed numerically (nine digits) and the subject matter covered by each is identified. Each index is updated and released monthly provided one or more new or reissued practices within that division have been released during that month. Various symbols are used to denote special conditions of handling, distributing, etc. These symbols are explained in each index.

1.12 *Divisional Alphabetical Index:* An index of this type is provided only when justified. Each index provides a list of all subjects covered in that division. Each subject is cross-referenced to the AT&T Practice (nine digits) in which that subject can be found. An example is AT&T 218-000-001, No. 5 Crossbar Offices.

1.13 *Interdivisional Numerical Index:* An index of this type is provided only when justified. Each index provides a numerical listing (nine digits) of all practices (regardless of divisions), along with their current issue numbers, containing subject matter for a particular system or service offering. An example is AT&T 234-000-005, 4ESS* Switch.

1.14 *Interdivisional Alphanumerical Index:* An index of this type is provided only when justified. Each index provides a listing of all AT&T Practices (regardless of divisions), along with their current issue numbers, containing subject matter for a particular system or service offering. The practices (nine digits) are listed under applicable alphabetized headings. The practices under each heading are listed in numerical sequence. An example is AT&T 533-000-001, ESS-Provided Services—Customer Premises Systems.

1.15 *Intradivisional Alphanumerical Index:* An index of this type is provided only when justified. Each index provides a listing of all AT&T Practices in a single division, along with their issue numbers, containing subject matter for a particular system or service offering. The practices (nine digits) are listed under applicable alphabetized headings. The practices under each heading are listed in numerical sequence.

* Trademark of AT&T Technologies.

D. Issue Identifiers

1.16 Each practice is assigned an issue number beginning with the arabic number 1. Each reissue is assigned the next higher number. When Issue 99 has been reached, the next issue will revert to Issue 1. Each practice is dated and this date indicates the month in which this particular issue was released to the field.

E. Addenda

1.17 An addendum to a practice is issued when there is an urgent need to add, to change, or to delete information. Each addendum will be self contained on a single sheet and should be filed in front of the practice it addends.

1.18 The 9-digit number of an addendum is the same as that of the practice it addends. It is assigned an issue identifier and dated in the same manner as practices (see paragraph 1.16).

1.19 Addenda are shown in the appropriate divisional numerical index by the abbreviation "Add."

F. Appendixes

1.20 An appendix to a practice is used to cover optional information which is permanent in nature or is supplemental to the information within the practice. Hence, an appendix does not refer to the issue number of the practices being appended.

1.21 The first appendix to a practice is designated Appendix 1. Additional appendixes are designated Appendix 2, Appendix 3, etc. Each appendix has a unique title describing its contents.

1.22 The 9-digit number of an appendix is the same as that of the practice it appends. It will be assigned an issue identifier and date of issue in the same manner as practices (see paragraph 1.16).

1.23 Appendixes are shown in the appropriate divisional numerical index by the abbreviation "Append."

G. Size, Binding, and Paper Colors

1.24 Practices (with the exception of those in the form of handbooks), addenda, and appendixes

are furnished in 8-1/2 by 11 inch sheet size. The binding edge is suitably punched for approved binders. Approved binders are furnished with Task Oriented Practices (TOP). Practices furnished in the form of handbooks are permanently bound.

1.25 The following colors of paper are normally used.

- (a) Practices and appendixes—white
- (b) Addenda—pink.

H. Use, Distribution, and Ordering

1.26 All practices are available as hard copies; most are available also on microfiche. Those that are not available on microfiche are so indicated in the divisional numerical indexes. Practices may be ordered by contacting the AT&T Customer Information Center (CIC), P.O. Box 19901, Indianapolis, Indiana 46219, (800) 432-6600 or (317) 352-0011.

1.27 Only the latest issue of each practice is stocked and distributed by CIC. The latest issue numbers are shown in the divisional numerical indexes. Each index is updated and released each time there is a practice released within the division.

1.28 **Addenda and Appendixes—Hard Copy:**
Addenda and appendixes can be ordered in hard-copy form without ordering the practice being addended or appended. However, if a practice having an associated AT&T-issued addendum or appendix is ordered, the addendum or appendix will automatically be supplied with the practice.

1.29 **Addenda and Appendixes—On Microfiche:** If a practice has an associated AT&T-issued addendum and/or appendix and is available on microfiche, the practice and its addendum and/or appendix are entered on the same microfiche. Consequently, neither the practice nor its addendum or appendix can be ordered separately.

I. Master Alphabetical Index—All Divisions

1.30 The Master Alphabetical Index contained in this practice provides an alphabetically arranged list of all major subjects covered in practices. Each subject is cross-referenced to the numerical division (first three digits) in which that subject can be found.

J. Master Numerical Index—All Divisions

1.31 The Master Numerical Index contained in this practice provides a list of all divisional numerical indexes. Each division is cross-referenced to the subject matter covered in that division.

K. Divisional Numerical Index

1.32 The Divisional Numerical Index contained in this document provides a listing of divisions and the practices which have been issued within each division. The latest issue number for each practice is shown.

L. Catalog of Indexes

1.33 The Catalog of Indexes contained in this practice provides a numerical listing of all 9-digit practice indexes other than the Divisional Numerical Indexes.

- 2. MASTER ALPHABETICAL INDEX — ALL DIVISION (GREEN)
- 3. MASTER NUMERICAL INDEX — ALL DIVISION (YELLOW)
- 4. DIVISIONAL NUMERICAL INDEX (BLUE)
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807E Ringing and Tone Plant 167
808A Ringing and Tone Plant 167
812A Ringing and Tone Plant 167
820A Ringing and Tone Plant 167

3. MASTER NUMERICAL INDEX — ALL DIVISIONS

A. General

3.01 This section provides a numerical listing of all divisional numerical indexes released as Bell System, AT&T Western Electric, and AT&T Practices and the subject(s) covered by each.

B. Master Numerical Index

**000-) GENERAL INFORMATION
019-)**

- 000-000-000 - General Information — Practices
- 000-000-001 - Master Alphabetical Index — All Divisions
- 000-000-005 - Master Numerical Index — All Divisions
- 000-000-007 - Master Alphabetical Index — Task Oriented Practices
- 005-000-000 - Abbreviations, Definitions, Drawings, Requirement Tables, Specifications, and Symbols
- 006-000-000 - Graphic Media Systems and Standards
- 010-000-000 - General Methods

**020-) COMMON
021-)**

- 020-000-000 - General Information — Divisions 020 to 178 Inclusive

**022-) APPARATUS
049-)**

- 024-000-000 - Amplifiers, Controllers, Control Units, Regulators, and Electron Tubes
- 026-000-000 - Banks, Clutches, Commutators and Commutator Brushes, Elevator Apparatus, Multiple Brushes and Rods, and Trip Rods for Panel Offices — Circuit Breakers, Compensators, Contactors, Control Panels, Fuses and Mountings, Magnetic Switches, Selectors, and Starters
- 028-000-000 - Autotransformers, Bells, Buzzers, Dials, Dial Adapters and Mountings, Gongs, Head Telephone Sets, Headsets, Potentiometers, Rheostats, Ringers, and Sounders
- 030-000-000 - Calculagraphs, Call Timing Switch, Cameras, Clocks, Counters, Photo Processors, Registers, Selector Multiple Designation Cards, Switches, Tape Printers, Ticketers, Timers, and Time Stamp
- 032-000-000 - Capacitors, Connectors, Cords, Cord Reels, Diodes, Drops, Jacks, Keys, Lamps, Plugs, Resistors, Signals, Sockets, Thermistors, Transistors, and Varistors
- 034-000-000 - Distributors, Regenerators, and Regenerative Repeaters for Teletypewriter Service — AMA Tape Reels and Reeler, Cleaning Cabinet, Perforators, Readers, Recorders, Recorder-Reproducers, Tape Announcing Machine, and Translators
- 040-000-000 - Relays

**056-) MISCELLANEOUS EQUIPMENT, MATERIALS,
069-) CIRCUITS, AND METHODS**

- 065-000-000 - Miscellaneous Equipment and Materials
- 067-000-000 - Concentrators
- 069-000-000 - Miscellaneous Methods

**074-) TOOLS AND GAUGES
099-)**

- 074-000-000 - Catalogue Information — Tools
- 075-000-000 - Tools and Materials (Common Usage) — Maintenance, Selection, and Use
- 076-000-000 - Tools and Materials — Switching Systems and Power — Maintenance, Selection, and Use
- 080-000-000 - Tools and Materials — Customer Equipment
- 081-000-000 - Tools and Materials — Outside Plant
- 084-000-000 - Catalogue Information — Gauges — Electrical Indicating Instruments and Meters
- 085-000-000 - Gauges (Common Usage) — Maintenance, Selection, and Use

**100-) TEST EQUIPMENT
109-)**

- 100-000-000 - Test Equipment, Electrical Indicating Instruments and Meters (Common Usage) — Maintenance, Selection, and Use
- 102-000-000 - Test Equipment, Electrical Indicating Instruments and Meters (Switching Systems and Power) — Maintenance, Selection, and Use
- 103-000-000 - Transmission Test Equipment
- 104-000-000 - Radio Test Equipment
- 105-000-000 - PBX and Station Test Equipment
- 106-000-000 - Outside Plant Electrical Test Equipment
- 107-000-000 - Data and Teletypewriter Test Equipment

**155-) POWER
178-)**

- 155-000-000 - Alternators, Engine-Alternators, Gas Turbine Alternators, Tone Alternators, Tone Machines, Ringing and Coin Control Generators, Charging Generators and Motor-Generators
- 157-000-000 - Batteries
- 159-000-000 - Engines and Engine Sets, Motors, Dynamotors, and Drives
- 161-000-000 - Speed Reduction Units, Converters, Inverters, Air-Dryers, Compressors, Compressor-Dehydrators, Dehydrators, Exhauster Sets, Fans, Tube Cooling Systems, Ventilating Equipment, Call Announcer Machines, and Waveguides

AT&T 000-000-002

- 163-000-000 - Interrupters, Ringing Machines, and Pole Changers
- 167-000-000 - Power Plants, Power Units, and Power Supply
- 169-000-000 - Rectifiers and Filament Supplies
- 171-000-000 - Miscellaneous Power Circuits and Equipment

179- SIGNALING EQUIPMENT

- 179-000-000 - Signaling Circuits and Associated Ringer Circuits

190- OPERATIONS SUPPORT SYSTEMS

- 190-000-000 - Operations Centers and Support Systems — Operations, Maintenance, and Administration
- 191-000-000 - Operations Center Deliverable Documentation

200-) SWITCHING SYSTEMS 289-)

- 201-000-000 - Supplemental Information — Central Offices
- 205-000-000 - Automatic Data Test Circuits
- 210-000-000 - Service Observing, and Plant and Traffic Desks
- 211-000-000 - No. 1, 3, 5, and 6 Toll Offices; No. 1, 3, 5, and 6 Toll Switchboards; and No. 6A Teletypewriter Switchboard
- 212-000-000 - No. 4A and 4M Toll Switching Systems
- 216-000-000 - No. 1 Crossbar Offices
- 218-000-000 - No. 3, No. 5, and No. 5A Crossbar Offices
- 220-000-000 - Crossbar Tandem Offices
- 225-000-000 - Testing Information Applying to Specific Step-by-Step and Community Dial Offices
- 226-000-000 - Equipment Common to More Than One Type Step-by-Step and Community Dial Office
- 227-000-000 - General and Testing Information Applying to Intertoll Dialing, CAMA, AMA, ANI, Touch-Tone Calling and Common Control Equipment — Step-by-Step Systems
- 230-000-000 - Data Network Systems
- 231-000-000 - 1 and 1A ESS* Switches
- 232-000-000 - 2/2B ESS Switch
- 233-000-000 - 3ESS Switch
- 234-000-000 - 4ESS Switch
- 235-000-000 - 5ESS Switch — Digital Switching System
- 240-000-000 - 101 ESS Switch
- 250-000-000 - Traffic Service Systems
- 252-000-000 - Traffic Management Systems
- 254-000-000 - Stored Program Control
- 255-000-000 - Processor Controlled and Ancillary Systems

*Trademark of AT&T Technologies

- 256-000-000 - Common Channel Signaling System (CCSS)

300-) TRANSMISSION AND SIGNALING SYSTEMS AND TESTING 379-)

- 304-000-000 - Transmission Data
- 309-000-000 - Switched Services Networks
- 310-000-000 - Nonswitched Special Services System
- 311-000-000 - Switched Special Services Systems
- 312-000-000 - Private Line Data Systems and Services
- 313-000-000 - Voice and Voiceband Data Channels
- 314-000-000 - Digital and Analogue Data Transmission Systems
- 318-000-000 - Television Systems
- 320-000-000 - Program Transmission Systems and Services
- 330-000-000 - Cable and Open-Wire Testing and Trouble Location Methods
- 331-000-000 - Transmission and Noise Testing, Central Office PBX Customer Lines and Equipment
- 332-000-000 - Voice-Frequency Telephone Repeaters, Pilot Wire Regulators, Echo Suppressors, Composite Sets and Associated Equipment
- 333-000-000 - Interoffice Signaling Systems and Testing
- 340-000-000 - PICTUREPHONE® Services — Baseband Video Transmission
- 341-000-000 - PICTUREPHONE Transmission — Performance Plan
- 354-000-000 - Frequency Generating Systems
- 355-000-000 - Type K Carrier Telephone Systems and Associated Equipment Components
- 356-000-000 - Analog Multiplex Terminal Equipment
- 357-000-000 - Wire-Line Entrance Links and Broadband Entrance Links and Interconnection
- 358-000-000 - Type L1 Carrier Telephone System and Associated Equipment Components
- 359-000-000 - L3, L4, L4S, L5, and L5E Carrier
- 360-000-000 - Maintenance Center Tests — Equipment Components — Type L1 and L3 Carrier Telephone Systems
- 361-000-000 - Service Center Tests — Type N, O, and ON Carrier Systems
- 362-000-000 - Type N, O, and ON Carrier Telephone Systems and Associated Equipment Components
- 363-000-000 - Pair Gain Systems
- 365-000-000 - Digital Transmission Systems
- 371-000-000 - Broadband Restoration

**400-) RADIO
449-)**

- 400-000-000 - Radio Administration
- 402-000-000 - Antennas, Transmission Lines, and Waveguide
- 403-000-000 - Coastal Harbor, High Seas, Overseas, and Emergency Point-to-Point Radio
- 404-000-000 - Manual Mobile Radio
- 405-000-000 - MJ, MK, and ML Mobile Radiotelephone
- 406-000-000 - Air-Ground Radio
- 407-000-000 - Personal Radio Services
- 408-000-000 - Motorola, RCA, Federal, REL, Narrowband Auxiliary Channel and Other Non-Western Electric Microwave Radio, and TV Off-the-Air Pick-Up Services
- 409-000-000 - TE, TJ, TL, and TM Microwave Radio
- 410-000-000 - TD-2 Microwave Radio
- 411-000-000 - TD-3 Microwave Radio
- 412-000-000 - TH-1 Microwave Radio
- 413-000-000 - TH-3 Microwave Radio
- 415-000-000 - TD-3D Microwave Radio
- 416-000-000 - TN-1 Microwave Radio
- 417-000-000 - 3A-Radio Digital Systems
- 419-000-000 - Single Sideband Microwave Radio Systems
- 420-000-000 - Microwave Radio — Common Equipment
- 421-000-000 - FR/DR Microwave Radio System
- 422-000-000 - Common Microwave Radio — Transmission Systems

**460-) CUSTOMER EQUIPMENT
599-)****460-) COMMON TO CUSTOMER EQUIPMENT
469-)**

- 460-000-000 - General Information — Customer Information
- 461-000-000 - Wiring and Cabling — Customer Equipment
- 462-000-000 - Drop and Block Wiring — Dedicated Plant and C Rural Wire
- 463-000-000 - Miscellaneous Station Apparatus for Use With Station Installations

**470-) SPECIAL SERVICES
489-)**

- 473-000-000 - Intra-PBX Protection of Service, Code Calling, Customer Training, Dispatching, Emergency Reporting, Interface Trunks, Message Waiting, Recorded Telephone Dictation, Telephone Answering Systems, and Transmitter Transfer

- 475-000-000 - Call Distributing System No. 1S, Information Desks, and Order Turrets
- 476-000-000 - Force Administration Data System (FADS) — Automatic Call Distributing System (ACD), No. 2A, 2B, and 3A and Call Distributing System No. 4A
- 480-000-000 - Private Service Systems
- 481-000-000 - Teleconferencing Services

**500-) STATION EQUIPMENT
529-)**

- 500-000-000 - General Considerations for Station Installations
- 501-000-000 - Station Set Components
- 502-000-000 - Common Battery Station Sets
- 503-000-000 - Modular Station Sets — Common Battery
- 504-000-000 - Selector Consoles, Telephone Consoles, and Apparatus Units
- 506-000-000 - Public Telephone Sets
- 510-000-000 - Station Sets and Coin Collectors — Local Battery and Magneto
- 512-000-000 - Automatic Dialers, Station Keys, Key Equipment, Interphone Systems, Modular Units, and Speakerphone Systems
- 514-000-000 - Telephone Answering and Announcement Sets and Systems
- 518-000-000 - Key Telephone Systems, Video Telephone Stations, and Switching Systems
- 529-000-000 - Station Apparatus and Equipment Intended Solely for Specially-Engineered Lines — Not for General Telephone Use

**530-) PRIVATE BRANCH EXCHANGES
559-)**

- 533-000-000 - Customer Premises Systems (ESS Switch Provided Customer Services)
- 534-000-000 - Sections Applying to More Than One PBX Series — 500, 600, 700, and 800 Series — Manual and Dial PBX
- 536-000-000 - 500 Series PBX
- 538-000-000 - 600 Series PBX
- 540-000-000 - Sections Applying to More Than One 700 Series PBX Including Centrex CU, Attendant Equipment for Centrex CO, and Touch-Tone Calling
- 541-000-000 - 700C and 710C PBX
- 542-000-000 - 701- and 711-Type PBX
- 543-000-000 - 702A PBX
- 546-000-000 - 740-Type PBX
- 548-000-000 - 750A PBX
- 550-000-000 - 755A PBX

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- 551-000-000 - 756A, 757A, 758A, 758B, 758C, 761, and 770 PBX
- 553-000-000 - 800 Series PBX
- 554-000-000 - DIMENSION® PBX

570-) TELETYPEWRITER AND OTHER 589-) DATA TERMINALS

- 570-000-000 - Teletypewriter General Information — Miscellaneous Apparatus and Auxiliary Equipment
- 572-000-000 - 14-, 15-, 19-, and 20-Type Teletypewriters
- 573-000-000 - 28-Type Teletypewriters
- 574-000-000 - Teletypewriter 30 Series and Teleprinters
- 578-000-000 - Miscellaneous Data Terminals
- 579-000-000 - Teletypewriter Field Maintenance Practices/Field Installation Maintenance Practices
- 580-000-000 - Teletypewriter Switching Systems
- 581-000-000 - Teletypewriter Selective Calling Systems
- 582-000-000 - DATASPEED® Services — Systems, Services and Components
- 585-000-000 - Applications Processor

590-) DATA SYSTEMS 599-)

- 590-000-000 - General Information
- 591-000-000 - 100 Series Data Sets and Associated Services
- 592-000-000 - 200 Series Data Sets and Associated Services
- 593-000-000 - 300 Series Data Sets and Associated Services
- 594-000-000 - 400 Series Data Sets and Associated Services
- 595-000-000 - 500-Type Service Units and Sets for Digital Systems/Services
- 596-000-000 - 600 Series Data Sets and Associated Services
- 598-000-000 - 800 Series Auxiliary Equipments

620-) OUTSIDE PLANT 649-)

- 620-000-000 - General Information
- 621-000-000 - Pole Lines
- 622-000-000 - Conduit, Manholes, and Cable Vaults
- 623-000-000 - Open Wire
- 624-000-000 - Multiple Wire
- 626-000-000 - Cables, Wire, and Apparatus — General Information
- 627-000-000 - Aerial, Block, and House Cable
- 628-000-000 - Underground Cable

- 629-000-000 - Buried Plant
- 630-000-000 - Submarine Cable
- 631-000-000 - Cable Terminals
- 632-000-000 - Cable Splicing
- 633-000-000 - Splice Closures
- 634-000-000 - Electrical Cable Testing and Identification
- 635-000-000 - Electrolysis
- 636-000-000 - Main Frame Terminations and Connectors
- 637-000-000 - Cable Pressure Systems
- 638-000-000 - Electrical Protection and Bonding
- 639-000-000 - Concentrators
- 640-000-000 - Carrier Apparatus
- 643-000-000 - Coil and Capacitor Cases and Apparatus Cases for Inductors and Filters
- 644-000-000 - Upkeep

660-) TEST CENTER OPERATION 669-)

- 660-000-000 - Test Center Operation
- 662-000-000 - Cable and Local Test Desks and Local Test Cabinets
- 664-000-000 - Testboards for Other Than Special Services
- 666-000-000 - Testboards and Test Positions for Special Services
- 667-000-000 - Switched Maintenance Access Systems (SMAS)
- 668-000-000 - Data Test Centers

680-) LOOP ASSIGNMENT 689-)

- 680-000-000 - Loop Assignment — Distribution Service
- 682-000-000 - Plant Assignment — Trunk Plant and Special Services

720-) MOTOR VEHICLES 729-)

- 720-000-000 - Motor Vehicles and Construction Apparatus

740-) MATERIALS MANAGEMENT 749-)

- 747-000-000 - Plug-In Equipment — Central Office and Customer Premise Switching

750-) BUSINESS INFORMATION SYSTEMS 759-)

- 750-000-000 - BISP General
- 756-000-000 - Trunks and Special Services

**760-) BUILDINGS
779-)**

- 760-000-000 - Building Engineering
- 770-000-000 - Building Operation

**780-) ENGINEERING PLANNING
789-)**

- 780-000-000 - Network Services Methods
- 781-000-000 - Technical Planning

790- ENGINEERING ADMINISTRATION

- 790-000-000 - Engineering Administrative Practices

795- COMMON LANGUAGE**800-) EQUIPMENT DESIGN AND GENERAL REQUIREMENTS
839-)**

- 800-000-000 - Cross-Reference Lists, Administrative Information, General Equipment Requirements for Installation and Manufacturing, and General Performance Requirements
- 801-000-000 - Common Systems
- 802-000-000 - Power Systems
- 804-000-000 - Toll Systems
- 806-000-000 - Radio Systems and Television Systems
- 807-000-000 - Data Systems
- 809-000-000 - Private Branch Exchange Systems
- 811-000-000 - Private Service Systems
- 812-000-000 - Station Systems
- 814-000-000 - Step-by-Step Systems
- 816-000-000 - No. 1 Crossbar System
- 817-000-000 - Tandem Crossbar System
- 818-000-000 - No. 4 Type Toll Switching System
- 819-000-000 - No. 3, No. 5, and No. 5A Crossbar Systems
- 820-000-000 - 1, 1A, 2, 2A, 3 and 4ESS Switches, 1A Processor, and Remote Switching Systems
- 821-000-000 - Traffic Service Systems
- 822-000-000 - Traffic Management Systems
- 823-000-000 - 101 ESS Switch
- 824-000-000 - Operations Support Systems
- 825-000-000 - Common Channel Signaling System (CCSS)

**850-) TRANSMISSION ENGINEERING
889-)**

- 851-000-000 - Special Services Systems — Engineering Design Information

- 852-000-000 - Exchange Area and Operator Services Transmission
- 853-000-000 - Toll Transmission
- 855-000-000 - Carrier Engineering
- 856-000-000 - Mechanized Transmission Engineering Tools
- 857-000-000 - Program and Television Engineering
- 859-000-000 - Signal Transmission — Engineering Considerations
- 860-000-000 - PICTUREPHONE Service Transmission Engineering
- 865-000-000 - Transmission Maintenance Systems Engineering
- 874-000-000 - Supply Systems Data
- 880-000-000 - Data Communications Engineering

**900-) OUTSIDE PLANT ENGINEERING
939-)**

- 900-000-000 - General Information
- 901-000-000 - Facility Planning — Study Methods and Tools
- 902-000-000 - Facility Planning — Applied Transmission
- 915-000-000 - Facility Design — Systems
- 916-000-000 - Facility Design — Feeder Facilities
- 917-000-000 - Facility Design — Distribution Facilities
- 918-000-000 - Facility Design — Applied Protection
- 919-000-000 - Facility Design — Structure
- 920-000-000 - Facility Design — Trunk Facilities
- 928-000-000 - Facility Support — Engineering Support Functions
- 929-000-000 - Facility Support — Plant Operating Support Functions
- 930-000-000 - Facility Support — Maintenance and Upkeep
- 937-000-000 - Management Coordinating

**940-) RADIO ENGINEERING
944-)**

- 940-000-000 - Radio Engineering

**950-) GENERAL DESCRIPTIVE INFORMATION
989-)**

- 951-000-000 - Equipment Common to More Than One Type of System
- 953-000-000 - Switchboard, Desks, and Associated Equipment
- 955-000-000 - Step-by-Step and Community Dial Offices
- 957-000-000 - No. 1 Crossbar Offices
- 958-000-000 - No. 5 Crossbar Offices
- 966-000-000 - ESS Switches

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970-000-000 - Transmission Systems

975-000-000 - Signaling Systems

981-000-000 - Equipment on Customers' Premises (Special Services and Private Branch Exchanges)

982-000-000 - Private Service Systems

984-000-000 - Traffic Service and Traffic Management Systems

4. DIVISIONAL NUMERICAL INDEX

4. GENERAL

- 4.01** This index provides a numerically arranged list of Bell System, AT&T Western Electric, and AT&T 9-digit practices.
- 4.02** Each practice entry consists of the 9-digit practice number, the latest issue number, and the subject covered in the practice.
- 4.03** A bullet (●) indicates an item that has been added or changed since the previous issue of the index.
- 4.04** A square (◻) indicates a cancelled item. Information relating to the cancellation, if necessary, will be shown in a note following the item. Cancelled items and related notes will be deleted upon reissue of the index.
- 4.05** A club (♣) indicates a practice that refers to another manufacturer's manual — providing a number for filing purposes and instructions for ordering the manual.
- 4.06** A spade (♠) indicates an item not on microfiche. This index indicates the latest issue for hard-copy BSPs. In some cases, the microfiche BSP will reflect the next higher issue as a result of the reduced distribution interval.
- 4.07** A heart (♥) indicates a new or reissued item which, because of its limited need, will not be distributed on standing order except through coded distribution. Additional copies may be obtained by placing regular (one-time) orders.
- 4.08** A solid triangle (▲) indicates a Task Oriented Practice (TOP). These practices, because of limited need, will not be distributed on standing order except through coded distribution. Additional copies may be obtained by placing regular (one-time) orders.
- 4.09** A star (★) indicates an item noted AT&T SPCS which contains trade secret information and which is available to authorized addresses only.
- 4.10** "Add" is the abbreviation for Addendum.
- 4.11** "Append" is the abbreviation for appendix and the numeral to the right of the abbreviation is the appendix number.
- 4.12** "Sup" is the abbreviation for supplement.

B. INDEX

DIVISION 000 — GENERAL INFORMATION

- 000-0 Index, General, and Cross-Reference Lists
- .2 Editorial, Illustrating, and Printing Specifications, for AT&T Practices

000-0 INDEX, GENERAL, AND CROSS-REFERENCE LISTS

Section Number	Issue	Subject
● ♣ 000-000-000	58	Numerical Index — Division 000 — General Information
000-000-001	22	Master Alphabetical Index — All Divisions
000-000-002	1	AT&T Practices — Master Index
000-000-003	1	Catalog of Indexes — (Excluding Divisional Numerical Indexes)
000-000-005	6	Master Numerical Index — All Divisions

Section Number	Issue	Subject
000-000-006	3	Maintenance Practices Available as Handbooks — Index and Ordering Information
000-000-007	1	Task Oriented Practices — Alphabetical Numerical Index
000-010-010	7	General Plan
000-010-011	4	Ordering Information
000-010-015	3	Commenting Procedures
000-010-016	1	Conditional Releasing or Cancelling
000-010-021	2	SPCS Documents — Safeguarding Trade Secret and Other Proprietary Information

000-2 EDITORIAL, ILLUSTRATING, AND PRINTING SPECIFICATIONS FOR PRACTICES

Add	000-200-010	1	
	000-200-010	3	Printing Specification
Add	000-200-011	1	
	000-200-011	1	Typesetting Specification
	000-200-012	1	Tiling Specification
●	000-202-150	5	Editorial Guidelines <i>Issue 4 not given general distribution</i>
	000-203-150	2	Standard Word List
	000-245-150	2	Illustrating Specification — General
	000-245-155	2	Illustrating Specification Customer Products — 66-Type Connecting Blocks

000-3 CONTENT SPECIFICATIONS FOR PRACTICES

000-300-100	1	Feature Document — Content and Format Specification
000-301-100	1	Data Sheet Specification
000-304-150	2	Content Specification for Data Services

DIVISION 005 — ABBREVIATIONS, DEFINITIONS, DRAWINGS, REQUIREMENT TABLES, — SPECIFICATIONS, AND SYMBOLS

- 005-0 Indexes
- .1 Abbreviations, Definitions, Drawings, Requirement Tables, Specifications, and Symbols

005-0 INDEXES

● ♣ 005-000-000	61	Numerical Index — Division 005 — Abbreviations, Definitions, Drawings, Requirement Tables, Specifications, and Symbols
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005-1 ABBREVIATIONS, DEFINITIONS, DRAWINGS, REQUIREMENT TABLES, SPECIFICATIONS, AND SYMBOLS

005-100-104	5	Circuit Drawings, Requirements Tables, Circuit Descriptions, X Specifications, Wiring Lists and Terminal Assignment Lists — Description
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Section Number	Issue	Subject
005-100-105	2	Change Classifications and Ratings — Equipment and Apparatus
• 005-101-111	11	Abbreviations and Letter Symbols for Use on Drawings and Product Marking, and in Related Text <i>Reinstated—Now a standard AT&T Practice</i>
• 005-101-112	9	Common Language Abbreviations — Frames, Racks, Bays, Cabinets, and Associated Central Office Equipment <i>Reinstated—Now a standard AT&T Practice</i>
• 005-104-100	3	Standard Abbreviations — Electronic Systems — Input/Output Messages <i>Reinstated—Now a standard AT&T Practice</i>
005-105-101	4	Pictorial Wiring Diagrams — Methods Used
005-105-102	1	Tabular Wiring Diagrams — Description
005-108-111	5	Symbols for Circuit Schematic Drawings
005-109-101	3	Circuit Schematic Drawings (SDs) — Descriptive Information
005-111-101	2	New Electronic Switching Systems — Circuit Documentation
005-120-101	5	Description of Circuit Requirement Tables
005-120-102	7	Winding and Spring Designations — Apparatus Connecting Points Referred to in Circuit Requirements Tables — Index and General Information
005-120-103	7	Winding and Spring Designations — Apparatus Connecting Points Referred to in Circuit Requirements Tables — Standard Since 1931
005-120-104	4	Winding and Spring Designations — Apparatus Connecting Points Referred to in Circuit Requirement Tables — Standard Prior to 1931
005-121-101	6	Transmission Test Requirement Tables — Description
005-140-101	1	Cabling, Wiring, and Connecting Terms — Definitions
005-150-101	13	Wiring Symbols, Wiring Abbreviations and Definitions — Wiring and Cabling

DIVISION 006 — GRAPHIC MEDIA SYSTEMS AND STANDARDS

- 006-0 Index
 - .1 Drawings
 - .2 Documents on 16mm Microfilm
 - .3 Documents on Microfiche
 - .4 Facsimile

006-0 INDEX

- ♠ 006-000-000 39 Numerical Index — Division 006 — Microfilm Systems

Section Number	Issue	Subject
006-1 DRAWINGS		
006-100-100	7	35mm Microfilm — General Information
006-101-100	2	35mm Microfilm for Installation and Telephone Company — Equipment Maintenance
006-110-100	9	35mm Microfilm — Silver Microfilm Production
006-110-500	5	35mm Microfilm — Inspection Procedures — Silver Microfilm
006-115-100	7	Drawings on 35mm Microfilm — Reading and Reproducing
006-115-500	6	35mm Microfilm — Inspection Procedures — Duplicate Microfilm
006-115-800	3	Desk Top Readers — KS-16835 L1 and Dukane Model 576-70 — Maintenance and Replacement of Parts
006-120-100	9	35mm Microfilm — Equipment and Materials for Production, Inspection and Reproduction

006-2 DOCUMENTS ON 16mm MICROFILM

006-200-100	2	General Information
006-210-100	3	Silver Microfilm Production
006-210-500	2	Silver Microfilm Inspection Procedures
006-215-100	2	Reading and Reproducing Documents From Microfilm
006-215-500	2	Duplicate Microfilm Inspection Procedures
006-220-100	4	Equipment and Materials for Production, Inspection, and Reproduction

006-3 DOCUMENTS ON MICROFICHE

Add 006-300-100	1	
006-300-100	1	Standards for Microfiche of Source Documents
006-310-100	2	Program Documents On 105-mm MICROFICHE

006-4 FACSIMILE

006-400-100	1	Facsimile Communication (FAX) Systems — General Description, Applications, Definitions
006-400-101	1	Facsimile Communication (FAX) Systems: Planning of Systems for Internal Bell System Applications

DIVISION 007 — INFORMATION SYSTEMS

- 007-0 General Information
 - 1 Planning
 - 2 Systems Development

Section Number	Issue	Subject
	-3	Data Management
	-4	Data Communications
	-5	Data Processing Operations
007-0 GENERAL INFORMATION		
●	◆ 007-000-000	39 Numerical Index — Division 007 — Information Systems
007-1 PLANNING		
●	007-110-300	1 Information Systems Planning <i>Reinstated—Now a standard AT&T Practice</i>
●	007-110-350	1 Data Communications Strategic Planning <i>Reinstated—Now a standard AT&T Practice</i>
007-2 SYSTEMS DEVELOPMENT		
●	007-200-100	1 General Information <i>Reinstated—Now a standard AT&T Practice</i>
●	007-203-100	1 Rules for Systems Designed for Large-Scale, General Purpose Computing Equipment <i>Reinstated—Now a standard AT&T Practice</i>
●	007-203-110	1 Distribution of Source Code — Centrally Developed Systems <i>Reinstated—Now a standard AT&T Practice</i>
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DIVISION 026 — BANKS, CLUTCHES, COMMUTATORS AND COMMUTATOR BRUSHES, — ELEVATOR APPARATUS, MULTIPLE BRUSHES AND RODS, — AND TRIP RODS FOR PANEL OFFICES — CIRCUIT BREAKERS, COMPENSATORS, CONTACTORS, CONTROL PANELS, FUSES — AND MOUNTINGS, MAGNETIC SWITCHES, SELECTORS, AND STARTERS

- 026-0 Indexes and Equipment Test Lists
- .3 Circuit Breakers, Compensators, Contactors, Control Panels, Fuses and Mountings, Magnetic Switches and Starters
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026-3 CIRCUIT BREAKERS, COMPENSATORS, CONTACTORS, CONTROL PANELS, FUSES AND MOUNTINGS, MAGNETIC SWITCHES AND STARTERS

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026-343-701	1	Autotransformer-Type Starters — Allen-Bradley Company — Requirements and Adjusting Procedures	026-384-701	3	KS-15582 Starter (For DC Motor) — Requirements and Adjusting Procedures
026-343-801	1	Autotransformer-Type Starters — Allen-Bradley Company — Replacement Parts and Procedures	026-390-101	1	Cutler-Hammer Automatic DC Motor Starters — Description
Add 026-347-701	1		026-390-701	1	Cutler-Hammer Automatic DC Motor Starters — Installation and Maintenance Requirements
026-347-701	1	Starters, Circuit Breakers, Contactors, Field Control Panels, and Magnetic Switches — General Electric Company — Requirements and Adjusting Procedures	026-392-301	2	Air-Starting Equipment for Diesel Engine-Alternator Sets — Operating Methods
026-350-701	6	Contactors — KS-5323, KS-5323-01, KS-5694, and KS-15572 — Requirements and Adjusting Procedures	026-392-701	2	Air-Starting Equipment for Diesel Engine-Alternators — Requirements and Adjusting Procedures
026-350-801	2	Contactors — KS-5323, KS-5323-01, KS-5694 and KS-15572 — Piece-Part Data and Replacement Procedures	026-392-801	2	Air-Starting Equipment for Diesel Engine-Alternators — Replacement Parts and Procedures
026-352-701	2	Contactors — KS-5626 — Square D Company — Requirements and Adjusting Procedures	026-7 SELECTORS		
026-354-701	2	Contactors — KS-5642 — Westinghouse Electric Corp. — Requirements and Adjusting Procedures	026-700-701	2	60BA, 60BC, 60BP, 60BR, 66A, D-151294, and D-175279 — Requirements and Adjusting Procedures
026-355-701	2	DC Contactor — Plunger Type — KS-5722 — Requirements and Adjusting Procedures	026-700-801	1	60BA, 60BC, 60BP, 60BR, 66A, D-151294, and D-175279 — Piece-Part Data and Replacement Procedures
026-356-701	7	Resistor and Across-the-Line Type Starters — Allen-Bradley Company and Ward Leonard Company — Requirements and Adjusting Procedures	026-706-501	1	200-Type Selectors — Operation Test — Panel Machine Switching Offices
026-360-701	4	Contactors — KS-15514 and KS-15934 — Requirements and Adjusting Procedures	Add 026-706-701	1	
026-360-801	2	Contactors — KS-15514 and KS-15934 — Replacement Parts and Procedures	026-706-701	14	200-, 206-, 209-, and 211-Type Selectors and 10-, 26-, and 32-Type Banks — Requirements and Adjusting Procedures
026-365-701	5	Contactors KS-5757, KS-15072, KS-15674, KS-19598, and Contactors Having No KS-Designations — Allen-Bradley Company and Westinghouse Corporation — Requirements and Adjusting Procedures	026-706-711	3	200-, 206-, 209- and 211-Type Selectors — Voltage Tests — Using SD-90013-01 (J94706) Selector Test Set
026-370-701	9	Fuses, Mountings, and Enclosures — Requirements and Adjusting Procedures	026-706-712	2	200-, 206-, 209- and 211-Type Selectors — Voltage Tests — Using No. 35D or 35F Test Set or Voltmeter
026-370-801	8	Fuse Caps, Blocks, Clips, Holders, Mountings, Panels, and Posts — Repair and Replacement Procedures	Add 026-706-801	1	
026-371-501	9	Fuses and Fuse Panels — Inspection	026-706-801	8	200-, 206-, 209-, and 211-Type Selectors and 10-, 26- and 32-Type Banks — Piece-Part Data and Replacement Procedures
026-380-101	1	Autotransformer-Type Manual AC Starters — General Electric Company — Description	026-708-701	7	204-Type Selectors — Requirements and Adjusting Procedures
026-380-701	4	Autotransformer-Type Manual AC Starters — General Electric Company — Requirements and Adjusting Procedures	026-708-801	6	204-Type Selectors — Piece-Part Data and Replacement Procedures
026-380-801	2	Autotransformer-Type Manual AC Starters — General Electric Company — Replacement Parts and Procedures	026-720-701	8	KS-16201, KS-16202, KS-16203, KS-16563, KS-19086, and KS-20234 Types — Requirements and Adjusting Procedures
			026-720-801	3	KS-16201, KS-16202, KS-16203, KS-16563 and KS-19086 Types — Piece-Part Data and Replacement Procedures

Section Number	Issue	Subject	Section Number	Issue	Subject
026-740-701	4	Power-Driven Rotary Selectors Together With Associated Banks — Requirements and Adjusting Procedures	028-130-701	4-D	Ringers — No. 6A, 6J, 6M, 6N, 7A, 8A, 8JA, 37H, 38B, 40A, 40B, 42A, 51A, 51B, 55B, 65B, 68A, 68J, 68JA, 72A, 78A, 78J, and B1A, B1AA, B1AB, B1AL, B2A, B2AL, B3A and B3B — Requirements and Adjusting Procedures
026-740-801	3	Power-Driven Rotary Selectors Together With Associated Banks — Piece-Part Data and Replacement Procedures	028-131-701	1	Ringers — C4 and C5 Types — Requirements and Adjusting Procedures
DIVISION 028 — AUTOTRANSFORMERS, BELLS, BUZZERS, DIALS, — DIAL ADAPTERS AND MOUNTINGS, GONGS, HEAD TELEPHONE SETS, HEADSETS — POTENTIOMETERS, RHEOSTATS, RINGERS, AND SOUNDERS					
028-0 Indexes and Equipment Test Lists					
-1 Bells, Buzzers, Gongs, Ringers, and Sounders					
-3 Dials, Dial Adapters and Mountings; Head Telephone Sets and Headsets					
-7 Autotransformers, Potentiometers, and Rheostats					
-9 Condensed Sections					
028-0 INDEXES AND EQUIPMENT TEST LISTS					
• ♦ 028-000-000	66	Numerical Index — Division 028 — Autotransformers, Bells, Buzzers, Dials, Dial Adapters and Mountings, Gongs, Head Telephone Sets, Headsets Potentiometers, Rheostats, Ringers, and Sounders	028-300-501	4	2-, 4-, 5-, and 6-Type Dials — Speed and Per Cent Break Tests
028-001-011	10	ETL — Autotransformers	028-300-701	10	Dials — 2, 4, 5, and 6 Types — Requirements and Adjusting Procedures (Condensed Section: 028-930-701)
028-001-012	7	ETL — Rheostats	028-300-801	6	Dials — 2, 4, 5, and 6 Types and Associated Dial Mountings and Dial Adapters — Piece-Part Data and Replacement Procedures
028-001-013	3	ETL — Bells, Buzzers, Chimes, and Sounders	028-305-100	1	Dials — 27 Type
028-001-014	3	ETL — Dials, Hand Telephone Sets and Headsets	028-310-811	4	Operator Dials and Associated Dial Mountings — Procedures for Cording
028-1 BELLS, BUZZERS, GONGS, RINGERS, AND SOUNDERS					
028-100-701	3	Bells and Buzzers — 7 Type — Requirements and Adjusting Procedures	028-349-101	2	660 Communication Panel — Description and Connections
028-101-701	1-D	10- and 11-Type Bells and 10-Type Buzzers — Requirements and Adjusting Procedures	Add 028-350-501	1	Headset — KS-19796 — Visual Inspection and Electrical Tests
028-102-701	5	Bells Chimes, and Signals — Solenoid Type — Requirements and Adjusting Procedures	028-350-501	2	Headset — KS-19796 — Visual Inspection and Electrical Tests
028-102-801	4	Bells, Signals, and Chimes — Solenoid Type — Piece-Part Data and Replacement Procedures	028-350-801	3	KS-19796 — Piece Part and Replacement Procedures
028-110-701	1	1-Type Buzzers — Requirements and Adjusting Procedures	028-351-501	7	KS-20778 Head Telephone Sets, KS-21430 Headset and KS-22729 STARSET II* — Description, Use, and Maintenance
028-111-701	2	2-Type Buzzers — Requirements and Adjusting Procedures	Add 028-352-501	1	KS-21118 Head Telephone Sets
028-112-701	2	4-Type Buzzers — Requirements and Adjusting Procedures	028-352-501	2	KS-21118 Head Telephone Sets
028-113-701	6-D	8-Type Buzzers — Requirements and Adjusting Procedures	028-360-501	7	52-Type Head Telephone Sets — Visual Inspections and Electrical Tests
028-120-701	1-D	Buzzers — Nos. 12092 and 12093 — Requirements and Adjusting Procedures	028-360-811	10	52-Type Head Telephone Sets — Piece-Part Data, Replacement Procedures, and Minor Repairs
			028-360-812	1	52A and 52B Head Telephone Sets — Modification to Provide a Rotation Stop Bar
			028-360-821	5	Operator Telephone Sets — Method of Wrapping Cords and Associated Parts

Section Number	Issue	Subject
028-361-501	2	53-Type Head Telephone Sets — Visual Inspections and Electrical Tests
028-361-811	8	53-Type Head Telephone Sets — Piece-Part Data, Replacement Procedures, and Minor Repairs
028-362-501	3	60-Type — Visual Inspection and Electrical Tests
028-362-801	5	60-Type Head Telephone Sets — Piece-Part Data and Replacement Procedures
028-363-501	3	61-Type — Visual Inspection and Electrical Tests
028-363-801	6	61-Type Head Telephone Sets — Piece-Part Data and Replacement Procedures
028-370-501	3	1020-Type Headsets — Visual Inspections and Electrical Tests
028-370-811	2	1020-Type Headsets — Piece-Part Data and Replacement Procedures
028-371-501	5	1022A-, 1023A-, 1024A-, 1024B-, 1026A-, 1027A-, and 1028A-Type Headsets — Description, Application, and Maintenance
028-371-811	5	1022A-, 1023A-, 1024A-, 1024B-, 1026A-, 1027A-, and 1028A-Type Headsets — Piece-Part Data and Replacement Procedures

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028-372-100	1	500A Adapter — Identification, Installation, Operation, and Maintenance
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028-7 AUTOTRANSFORMERS, POTENTIOMETERS, AND RHEOSTATS

Add 028-705-701	1	
028-705-701	4	Autotransformers — Continuously Tapped Type — Manually Operated — KS-5657, KS-15594, KS-15646, KS-15814, KS-15831, KS-15843, and KS-15955 — Requirements and Adjusting Procedures
028-705-801	2	Autotransformers — Continuously Tapped Type — Manually Operated — KS-5657, KS-15594, KS-15646, KS-15814, KS-15831, KS-15843, and KS-15955 — Replacement Parts and Procedures
028-706-701	9	Autotransformers — Continuously Tapped Type — Motor-Driven — Requirements and Adjusting Procedures
028-706-801	2	Autotransformers — Continuously Tapped Type — Motor-Driven — Replacement Parts and Procedures
028-720-701	3-D	Rheostats, Switch Rheostats, and Potentiometers — Manually Operated — Miscellaneous Types — Requirements and Adjusting Procedures
Add 028-721-701	1	
028-721-701	3	Manually Operated Rheostats — Steel Plate and Carbon Pile Types — Apparatus Requirements and Adjusting Procedures

Section Number	Issue	Subject
028-721-801	1	Manually Operated Rheostats — Steel-Plate and Carbon-Pile Types — Replacement Parts and Procedures
028-722-701	4	Motor-Driven Rheostats — Apparatus Requirements and Adjusting Procedures
028-722-801	2	Motor-Driven Rheostats — Replacement Parts and Procedures

028-9 CONDENSED SECTIONS

028-930-701	3	Dials — 2, 4, 5, and 6 Types — Requirements — (Condensed Section for Section 028-300-701)
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DIVISION 030 — CALCULAGRAPHS, CALL TIMING SWITCH, CAMERAS, CLOCKS, — COUNTERS, PHOTO PROCESSORS, REGISTERS, — SELECTOR MULTIPLE DESIGNATION CARDS, SWITCHES, — TAPE PRINTERS, TICKETERS, TIMERS, AND TIME STAMP

- 030-0 Indexes and Equipment Test Lists
 - .1 Calculagraphs, Clocks, Timers, Call Timing Switch, and Time Stamp
 - .3 Cameras, Counters, Photo Processors, Registers, Tape Printers, and Ticketers
 - .7 Selector Multiple Designation Cards, Switches
 - .8 Sequence Switches
 - .9 Condensed Sections

030-0 INDEXES AND EQUIPMENT TEST LISTS

• ♦ 030-000-000	18	Numerical Index — Division 030 — Calculagraphs, Call Timing Switch, Cameras, Clocks, Counters, Photo Processors, Registers, Selector Multiple Designation Cards, Switches, Tape Printers, Ticketers, Timers, and Time Stamp
030-001-011	13	ETL — Selector Switches
030-001-012	6	ETL — Calculagraphs, Clocks, and Timers
030-001-013	4	ETL — Cameras and Photo Processing
030-001-014	5	ETL — Counters, Registers, and Ticketers
030-001-015	8	ETL — Switches

030-1 CALCULAGRAPHS, CLOCKS, TIMERS, CALL TIMING SWITCH, AND TIME STAMP

030-100-101	1	Calculagraphs, Spring Driven — Description
Add 030-100-301	1	
030-100-301	1	Calculagraphs — Models 6 and 30 and KS-7769 (Model 33) — Operating Methods
030-100-701	6	Calculagraphs — Models 6 and 30 — Requirements and Adjusting Procedures
030-100-801	6	Calculagraphs — Models 6 and 30 — Piece-Part Data and Replacement Procedures
030-101-101	1	Calculagraphs, Electrically Driven — Model 30 and Model 33 — Description

Section Number	Issue	Subject	Section Number	Issue	Subject
030-102-701	7	Calculographs — KS-7769 (Model 33) — Requirements and Adjusting Procedures	Add 030-140-703	1	
030-102-801	6	Calculographs — KS-7769 (Model 33) — Piece-Part Data and Replacement Procedures	030-140-703	4	Nonzone Test Timers No. 1C and D-99325 — Coin Test Timers No. 1D and D-99326 and Associated Nos. 51B, 51D, 52B, D-156125, and D-179539 Drives — Requirements and Adjusting Procedures
030-110-701	2	Electric Clock — KS-8155 — Requirements and Adjusting Procedures	030-140-801	3	1-Type Timers and Associated 51- and 52-Type Drives — Piece-Part Data and Replacement Procedures
030-111-501	1	Measurement of Timing Intervals — Using S1 Timer	030-140-811	1	1-Type Timers — Conversion of Associated 51- and 52-Type Drives From 5- to 4-Minute Operation — Piece-Part Data and Replacement Procedures
030-111-701	2	Standard Electric Time Company's — S-1, S-1A, and S-10 Timers and KS-8160 Electric Stop Clock — Requirements and Adjusting Procedures	030-141-701	9	2-Type, 4A, 4B (Mfr Disc.), 4E, and D-171689 — Requirements and Adjusting Procedures
030-112-701	2	Electric Stop Clock — KS-8259 — Requirements and Adjusting Procedures	030-141-801	7	2-Type, 4A, 4B (Mfr Disc.), 4E, and D-171689 — Piece-Part Data and Replacement Procedures
030-113-701	3	Motor Driven — Switchboard Clock KS-8263 — Requirements and Adjusting Procedures	030-142-701	2	Timers — 3-Type — Requirements and Adjusting Procedures
030-114-801	2	Switchboard Position Clocks — KS-14156 L13, L14, L15, and L16 — Replacement Procedures	030-142-801	1	Timers — 3-Type — Piece-Part Data and Replacement Procedures
030-114-811	2	Switchboard Position Clocks — KS-14156 L13, L14, L15 and L16 — Positioning and Setting	030-150-701	2	Nonzone Timer D-159823 and Associated No. 51A Drive — Requirements and Adjusting Procedures
Add 030-115-701	2		030-155-801	4	KS-Specification Timers — General Replacement Information
030-115-701	2	Electric Stop Clock — KS-14235 — Requirements and Adjusting Procedures	030-156-701	1	Timers KS-8543 and KS-8564 — Requirements and Adjusting Procedures
030-120-101	1	Electric Clock Systems For Telephone Offices — Description	030-157-701	7	KS-14741 Program Timers — Requirements and Adjusting Procedures
030-121-501	2	Clock Circuits — Tests	030-157-801	6	KS-14741 Program Timers — Piece-Part Data and Replacement Procedures
030-121-701	2	Master Clocks — KS-1299, KS-1924, KS-1925, KS-1926, KS-1927, KS-1928, KS-1929, KS1930, KS-1931, KS-6777 and KS6778 — Requirements and Adjusting Procedures	030-159-701	3	Timers — KS-16329, L1 and L2 — Requirements and Adjusting Procedures
030-122-701	3	Electric Clocks — 1 Type — Requirements and Adjusting Procedures	030-159-801	2	Timers — KS-16329, L1 and L2 — Piece-Part Data and Replacement Procedures
030-124-701	2	Secondary Clocks — Requirements and Adjusting Procedures	030-170-701	1	KS-5464 Call Timing Switch — Requirements and Adjusting Procedures
030-125-501	5	Building Master Clocks — Precise Time Setting	030-176-701	2	Stronberg Time Stamp — Requirements and Adjusting Procedures
Add 030-140-701	1		030-3 CAMERAS, COUNTERS, PHOTO PROCESSORS, REGISTERS, TAPE PRINTERS, AND TICKETERS		
030-140-701	3	Nonzone Timers No. 1A and D-99005 and Associated Nos. 51A, 51C, 52A, D-99004 and D-179538 Drives — Requirements and Adjusting Procedures	030-300-301	2	Photographing Message Registers — Using Electrically Operated KS-7703 and KS-8320 Cameras
Add 030-140-702	1		030-300-701	2	Message Register Cameras KS-7703 and KS-8320 — Requirements and Adjusting Procedures
030-140-702	4	Coin Timers No. 1B, D-99006, and D-159938 and Associated Nos. 51A, 51C, 52A, D-99004, and D-179538 Drives — Requirements and Adjusting Procedures			

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Add 030-301-301	1		Add 030-333-701	1	
030-301-301	4	Photographing Message Registers — Using KS-14593, L1 Message Register Camera and KS-14778 Photo Processor	030-333-701	1	Line-Message Registers — 15 Type — Requirements
			030-334-701	1	19A and 20A Line Message Registers — Requirements
Add 030-301-701	1		030-340-701	2	Bunnell Ink Writing Register — (Pen Register) — Requirements and Adjusting Procedures
030-301-701	2	KS-14593, List 1 — Message Register Camera — Requirements and Adjusting Procedures	030-341-701	4	20-Pulse Pen Registers — KS-3106 (Single Pen) and KS-3107 (Double Pen) and Similar Pen Registers Manufactured by Foote-Pierson Co. or J. H. Bunnell Co. — Requirements and Adjusting Procedures
030-301-801	3	KS-14593, List 1 — Message Register Camera — Piece-Part Data and Replacement Procedures			
Add 030-302-301	1		Add 030-342-301	1	
030-302-301	5	Photographing Traffic Registers — Using Electrically Operated KS-14776 Camera	030-342-301	3	KS-19717 Tape Printer — Operating Procedures
030-302-701	5	Traffic Register Cameras — KS-14776 L1 and L2 — Requirements and Adjusting Procedures	030-342-701	4	KS-19717 L1, L2, L4, and L5 Tape Printer — Requirements and Adjusting Procedures
030-302-801	7	Cameras — KS-14776 L1 and L2 — (Traffic Register Cameras) — Piece-Part Data and Replacement Procedures	030-342-702	3	KS-19717 L3, L6 and L7 Tape Printers — Requirements and Adjusting Procedures
Add 030-304-301	2		030-342-801	3	KS-19717 L1, L2, L4, and L5 Tape Printers — Piece-Part Data and Replacement Procedures
030-304-301	1	Photographing Message Registers — Using KS-20900 L1, Message — Register Camera	030-342-802	2	KS-19717 L3, L6, and L7 Tape Printers — Piece-Part Data and Replacement Procedures
030-310-701	3	KS-7495 and KS-14359 Magnetic Counters — Requirements and Adjusting Procedures	030-360-701	5	1-Type Message Ticketer — Requirements and Adjusting Procedures
030-311-811	1	Method of Mounting KS-16493 Magnetic Counter — In Place of KS-14359 Magnetic Counter	Add 030-360-801	1	
030-312-701	2	3-Type Counter — Requirements and Adjusting Procedures	030-360-801	1	1-Type Message Ticketer — Piece-Part Data and Replacement Procedures
030-313-101	2	Magnetic Counters — Description			
030-320-701	2	Photo Processor KS-14778 — Requirements and Adjusting Procedures	030-7 SELECTOR MULTIPLE DESIGNATION CARDS, SWITCHES		
030-320-801	1	KS-14778 Photo Processor — Piece-Part Data and Replacement Procedures	030-700-701	3	188- and 189-Type Switches — Requirements and Adjusting Procedures
030-330-701	7	Line Message Registers 5-Type — Requirements and Adjusting Procedures	030-705-301	3	Designation Cards for Selector Multiple — Method of Using — Step-by-Step Systems
030-330-702	5	Traffic and Plant Registers 5- and 12-Types — Requirements and Adjusting Procedures	030-705-501	8	197- and 198-Type Switches and Line Switches — Equipment Insulation and Bank Ground Test
030-331-701	5	14-Type Line Message Registers — Requirements	030-705-502	1	197- and Similar Type Switches — Insulation Resistance of Banks and Bank Multiple — Tests
030-331-702	5	14-Type Traffic and Plant Registers — Requirements and Adjusting Procedures	030-705-701	5	197- and 198-Type Switches — Requirements and Adjusting Procedures
030-331-801	4	14-Type Registers — Piece-Part Data and Replacement Procedures	030-705-702	12	197- and 198-Type Switches — Rotary, Vertical, and Release Mechanisms — Requirements and Adjusting Procedures
030-332-501	2	Traffic Register 100-Operation Tests — Using Message Register Test Set SD-30490-01 or ES-360006	030-705-703	10	197- and 198-Type Switches — Contact Spring Assemblies — Requirement and Adjustment Procedures
030-332-502	1	Traffic Register Tests — Using Test Set SD-32150-01	Add 030-705-704	1	
			030-705-704	9	197- and 198-Type Switches, Banks, Commutators, Wipers, Jack Springs, and Switch Operation — Requirements and Adjusting Procedures

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030-705-706	12	Switches — 197- and 198-Types — Lubrication — Requirements and Procedures	Add 030-715-801	2	
			030-715-801	5	Switches — 300, 301, 302, and 303 Types — Piece-Part Data and Replacement Procedures
030-705-711	2	Side Switch — (Part of Earlier 197-Type Switches) — Requirements and Adjusting Procedures	030-717-701	6	Switches — 304, 305, 306, 307, 308, 314, 315, and 318 Types — Requirements and Adjusting Procedures
Add 030-705-801	1		Add 030-717-801	1	
030-705-801	4	197- and 198-Type Switches — Associated Banks and Commutators — Piece-Part Data and Replacement Procedures	030-717-801	5	Switches — 304-, 305-, 306-, 307-, 308-, 314-, 315-, and 318-Type — Piece-Part Data and Replacement Procedures
030-705-802	8	197- and 198-Type Switches — Parts Mounted Above Coverplate Except Pawls, Pawl Pins, and Contact Spring Assemblies — Piece-Part Data and Replacement Procedures	030-720-701	9	Switches — 324, 325, 328, 334, and 338 Types — Requirements and Adjusting Procedures
Add 030-705-803	1		030-720-801	9	324-, 325-, 328-, 334-, and 338-Type Switches — Piece-Part Data and Replacement Procedures
030-705-803	10	Switches — 197 and 198 Types — Contact Spring Assemblies, Test Jack Assemblies, and Normal Post Cams — Piece-Part Data and Replacement Procedures	Add 030-721-701	3	
Add 030-705-804	1		030-721-701	6	Small Crossbar Switch — Requirements and Adjusting Procedures
030-705-804	7	197- and 198-Type Switches — Cords, Cord Holders, Commutators, Wiper Springs, and Parts Associated With the Coverplate — Piece-Part Data and Replacement Procedures	Add 030-721-801	1	
			030-721-801	7	Small Crossbar Switches — Piece-Part Data and Replacement Procedures
030-705-805	5	197- and 198-Type Switches — Pawls and Pawl Pins — Piece-Part Data and Replacement Procedures	030-740-701	8	Knife Switches — Requirements and Adjusting Procedures
Add 030-705-806	1		030-741-701	3	Palmer Master Switches — Contactor Type — Requirements and Adjusting Procedures
030-705-806	10	197- and 198-Type Switch Banks — Piece-Part Data and Replacement Procedures	030-741-801	1	Palmer Master Switches — Contactor Type — Piece-Part Data and Replacement Procedures
030-705-807	1	197- and 198-Type Switches — Procedures for the Replacement Supply Bank Insulators Where Banks Have Silver Plate Bank Contacts	030-742-701	4	KS-5189, KS-5189-01, KS-5189-02, and KS-5189-03 — Emergency Lighting Relay Switches — Requirements and Adjusting Procedures
030-705-820	3	197- and 198-Type Switches — Methods of Mounting Capacitors and Networks on Shelf Angles	030-742-801	3	KS-5189, KS-5189-01, KS-5189-02, and KS-5189-03 — Emergency Lighting Relay Switches — Piece-Part Data and Replacement Procedures
030-705-821	2	Step-by-Step Switch Covers — Removal of Felt Seals and Installing Fibre Strips	030-743-701	1	Palmer Master Switches — Requirements and Adjusting Procedures
030-710-701	2	202-Type Switches — Requirements and Adjusting Procedures	030-744-701	10	Manually Operated Rotary Switches — Requirements and Adjusting Procedures
030-711-701	2	211- and 212-Type Switches — Requirements and Adjusting Procedures	030-745-701	1	Knife and Rotary Switches — Cleaning and Lubrication
030-711-801	1	211- and 212-Type Switches — Piece-Part Data and Replacement Procedures	Add 030-760-701	1	
030-712-701	3	216- and 217-Type Switches — Requirements and Adjusting Procedures	030-760-701	3	4-Type Foot Switches — Requirements and Adjusting Procedures (Condensed Section: 030-970-701)
030-712-801	3	Nos. 216A and 217A Switches — Piece-Part Data and Replacement Procedures	Add 030-761-701	1	
030-713-701	5	223-Type Coaxial Switches — Requirements	030-761-701	2	Plunger Type Switches — Primary and Secondary Line Switches and Out Trunk Switches — Requirements and Adjusting Procedures
030-715-701	7	Switches — 300, 301, 302 and 303 Types — Requirements and Adjusting Procedures			

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030-761-801	3	Plunger Type Switches and Banks — Primary and Secondary Line Switches and Out Trunk Switches — Piece-Part Data and Replacement Procedures	Add 030-786-801	1	
			030-786-801	3	Motor Driven Switches — KS-15847 Type — Replacement Parts and Procedures
030-762-701	2	Solenoid Type Master Switch	030-787-701	7	Motor-Driven Switches — KS-5502 and KS-15836 Type — Requirements and Adjusting Procedures
030-762-801	2	Solenoid Type Master Switches — Piece-Part Data and Replacement Procedures	030-787-801	3	Motor-Driven Switches — KS-5502 and KS-15836 Type — Replacement Parts and Procedures
030-765-701	1	Stud Type Rotary Switches — 34- and 37-Type Potentiometers, Certain Artificial Lines and Attenuators — Requirements and Adjusting Procedures	030-789-701	1	Emergency Cell Switches — Motor-Driven Rotary Type — Requirement and Adjusting Procedures
030-765-702	2	Stud Type Rotary Switches — 212 Type Input Transformers — Requirements and Adjusting Procedures	Add 030-790-701	1	
			030-790-701	1	KS-5312 Emergency Cell Switch and Automatic Switch Company Transfer Switches Having No KS Designations — Requirements and Adjusting Procedures
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032-751-701	1	E4A Key — Requirements and Adjusting Procedures
032-771-811	2	Fibre Key Shields — Installation

Section Number	Issue	Subject
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032-790-702	2	Stromberg-Carlson 319 and 320 Types — Requirements and Adjusting Procedures (Condensed Section: 032-972-701)
032-9 DROPS, KEYS, AND SIGNALS — CONDENSED SECTIONS		
032-930-701	1	Drops — 19, 35, and 56 Types — Requirements — (Condensed Sections for 032-340-701)
032-950-701	1	4-Type Signals — Requirements — (Condensed Section for 032-550-701)
032-970-701	4	Keys — 92, 188, 272, 406, 424, 464, 479, 498, 501, 514, 526, 529, 531, 532, 540, 557, 558, 586, 6009, 6011, 6013, A1, B1, B2, B9, B20, C1, C3, and G1 Types — Requirements — (Condensed Section for 032-702-701, 032-709-701 and 032-714-701)
032-971-701	1	251-Type Keys — Requirements — (Condensed Section for 032-708-701)
032-972-701	1	Keys — Stromberg-Carlson 307, 311, and 320 Types — Requirements — (Condensed Section for 032-790-701 and 032-790-702)

DIVISION 034 — DISTRIBUTORS, REGENERATORS, AND REGENERATIVE REPEATERS — FOR TELETYPEWRITER SERVICE — AMA TAPE REELS AND REELER, CLEANING CABINET, PERFORATORS, — READERS, RECORDERS, RECORDER-REPRODUCERS, TAPE ANNOUNCING MACHINE AND TRANSLATORS

- 034-0 Indexes and Equipment Test Lists
 - 1 Distributors, Regenerators, and Regenerative Repeaters (Teletype)
 - 3 Perforators, Readers, Cleaning Cabinet, Recorders, Recorder-Reproducers, Tape Reeler, AMA Tape Reel and Tape Announcing Machine
 - 7 Translators

034-0 INDEXES AND EQUIPMENT TEST LISTS

- ◆ 034-000-000 30 Numerical Index — Division 034 — Distributors, Regenerators, and Regenerative Repeaters for Teletypewriter Service — AMA Tape Reels and Reeler, Cleaning Cabinet, Perforators, Readers, Recorders, Recorder-Reproducers, Tape Announcing Machine and Translators
- 034-001-011 17 ETL — Recording Equipment
- 034-001-012 4 ETL — Teletypewriter Distributors

034-1 DISTRIBUTORS, REGENERATORS, AND REGENERATIVE REPEATERS (TELETYPE)

- 034-100-701 3 Distributors — 5D, 5E, 6A, D-95881, D-96944, D-98676 — Requirements and Adjusting Procedures

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			034-306-701	5	Perforators KS-13882 L1, L2, and L3 and Perforator Cabinet — Requirements and Adjusting Procedures
034-102-701	2	Transmitters-Distributors — 14F, 14G, and 14M — Requirements and Adjusting Procedures	Add 034-306-801	1	
			034-306-801	5	Perforators — KS-13882, L1, L2, and L3 — Piece-Part Data and Replacement Procedures
Add 034-107-701	1		Add 034-310-301	3	
034-107-701	3	Motor Governors for 106A1 Regenerative Repeaters and Transmitter Distributors of 110C1 Multiple Senders — Requirements and Adjusting Procedures	034-310-301	4	AMA Perforator Tape — Handling and Splicing
034-110-801	1	Motorized Tape Chute — Piece-Part Data and Replacement Procedures	034-311-301	5	Magnetic Tape Management for Stored Program Control, Automatic Message Accounting, and Automatic Message Accounting Recording Center Applications — Description
034-120-701	3	Regenerator Units 1A and 1B — Requirements and Adjusting Procedures	034-311-302	3	KS-21439 L1, L2, L3, and L4 Data Cartridges — Description, Procurement, and Handling
034-120-811	1	1A Regenerator Unit — Application of Lacquer to Front Insulator to Improve Insulation Resistance	034-330-701	1	Readers — D-176284, D-176447 and D-176449 — Requirements and Adjusting Procedures
034-140-701	1	102A1 Regenerative Repeater — Using 119A Telegraph Signal Biasing Circuit — Requirements and Adjusting Procedures	034-330-801	1	Readers — D-176284, D-176447 and D-176449 — Piece-Part Data and Replacement Procedures
034-141-701	2	106A1 Regenerative Repeater — Using 119A Telegraph Signal Biasing Circuit — Requirements and Adjusting Procedures	034-335-301	1	Method of Analysis of Perforator AMA Tape
034-3 PERFORATORS, READERS, CLEANING CABINET, RECORDERS, RECORDER-REPRODUCERS, TAPE REELER, AMA TAPE REEL AND TAPE ANNOUNCING MACHINE					
034-300-701	3	Perforators — D-175914 and D-176283 — Requirements and Adjusting Procedures	034-335-501	1	KS-13835, Lists 1, 2, 3, and 4 Readers — Using Perforator and Reader — Test Circuit SD-95497-01 — Tests
Add 034-300-801	1		034-335-502	3	KS-13835 List 1, 2, 3, 4, 5, 6, and 7 Readers — Using Perforator and Reader Test Circuit SD-40040-01 — Tests
034-300-801	2	Perforators — D-175914 and D-176283 — Piece-Part Data and Replacement Procedures	Add 034-335-503	1	
			034-335-503	1	KS-13835 L7 Reader Test — Using the 151A Test Set
034-305-101	1	KS-13834 Perforator — (Trouble Recorder) — Description	Add 034-335-701	1	
			034-335-701	7	Readers — KS-13835 L1, L2, L3, L4, L5, L6 and L7 — Requirements and Adjusting Procedures
Add 034-305-701	1		034-335-801	8	KS-13835 L1, L2, L3, L4, L5, L6, and L7 — Piece-Part Data and Replacement Procedures
034-305-701	8	KS-13834 L1 Perforator — (Trouble Recorder) — Requirements and Adjusting Procedures	034-338-701	1	KS-16789, L1 Reader — Requirements and Adjusting Procedures
Add 034-305-801	1		034-338-801	2	Reader — KS-16789, L1 — Piece-Part Data and Replacement Procedures
034-305-801	7	KS-13834 L1 Perforator — (Trouble Recorder) — Piece-Part Data and Replacement Procedures	034-339-301	2	NCR EM-D2 Punched Card Reader — Description and Operation
034-305-811	3	Cards for KS-13834 Perforator — Storing and Handling	034-339-302	1	NCR EM-D2 Punched Card Reader — Trouble Location
034-306-501	1	KS-13882 Lists 1 and 2 Perforators — Using the Perforator and Reader — Test Circuit SD-95497-01 — Tests	Add 034-339-701	1	
			034-339-701	2	NCR EM-D2 Punched Card Reader — Requirements and Adjusting Procedures
034-306-502	1	Check of KS-13882, Lists 1, 2, and 3 Perforators — Using the Perforator and Reader — Test Circuit SD-40040-01 — Requirements			

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034-349-701	2	Cleaning Cabinet — KS-13928 — Requirements and Adjusting Procedures	Add 034-356-701	1	
034-349-801	2	KS-13928 Cleaning Cabinet — Piece-Part Data and Replacement Procedures	034-356-701	4	Recorders — KS-19125 L1 and L2 — Requirements and Adjusting Procedures
034-350-701	6	KS-12055, L4 and L6, Recorder-Reproducers — Requirements and Adjusting Procedures	Add 034-356-801	1	
034-350-801	5	KS-12055, L4 and L6 Recorder-Reproducer — Piece-Part Data and Replacement Procedures	034-356-801	3	Recorders — KS-19125, List 1 and List 2 — Piece-Part Data and Replacement Procedures
034-351-701	8	KS-12068 L4, L5, L6, and L7 — Recorder-Reproducers — Requirements and Adjusting Procedures	034-357-301	2	Recorder — KS-19325 L1 — Description and Operation
034-351-801	6	KS-12068, L4, L5, L6, and L7 Recorder-Reproducers — Piece-Part Data and Replacement Procedures	034-357-302	1	Recorder — KS-19325 L1 — Trouble-Locating Procedures
034-352-701	1	D-151131 Tape Announcing Machine — Requirements and Adjusting Procedures	034-357-701	1	KS-19325 Recorder — Requirements and Adjusting Procedures
034-352-801	1	D-151131 Tape Announcing Machine — Piece-Part Data and Replacement Procedures	Add 034-357-801	2	
034-353-501	1	KS-16534 Recorder-Reproducer and Associated Audio Facilities — Alarm and Automatic Transfer Tests	034-357-801	1	Recorder — KS-19325 L1 — Piece-Part Data and Replacement Procedures
034-353-701	2	KS-16534 Recorder-Reproducer and Associated Audio Facilities — Adjusting Procedures	034-358-301	2	Recorder — KS-19326 L1 — Description and Operation
034-353-702	1	Recorder-Reproducer — KS-16534, List 1 — General — Requirements and Adjusting Procedures	034-358-302	1	Recorder — KS-19326 L1 — Trouble Locating Procedures
034-353-703	1	Recorder-Reproducer — KS-16534, List 1 — Control Unit — Requirements and Adjusting Procedures	034-358-701	3	Recorder — KS-19326 L1 — Requirements and Adjusting Procedures
034-353-704	1	Recorder-Reproducer — KS-16534, List 1 — Recorder-Reproducer Mechanism — Requirements and Adjusting Procedures	Add 034-358-801	2	
Add 034-353-801	2		034-358-801	2	Recorder — KS-19326 L1 — Piece-Part Data and Replacement Procedures
034-353-801	1	KS-16534, L1 Recorder-Reproducer — Piece-Part Data and Replacement Procedures	034-359-301	2	10A Recorder and Associated Apparatus Used in 2AA and Modified 2A Telephone Answering Sets — Operating Methods
034-354-701	6	KS-16765, L3 and L3HD Recorders — Requirements and Adjusting Procedures	034-359-701	3	10A Recorder and Associated Apparatus Used in 2AA and Modified 2A Telephone Answering Sets — Requirements and Adjusting Procedures
034-354-801	6	KS-16765, L3 and L3HD Recorders — Piece-Part Data and Replacement Procedures	034-359-801	2	10A Recorder and Associated Apparatus Used in 2AA and Modified 2A Telephone Answering Sets — Piece-Part Data and Replacement Procedures
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034-355-701	3	Record-Reproduce Mechanism — KS-19124 L2 — Requirements and Adjusting Procedures	034-360-701	4	Recorder — KS-19125, L3 — Requirements and Adjusting Procedures
034-355-801	4	Record-Reproduce Mechanism — KS-19124 L2 — Piece-Part Data and Replacement Procedures	034-360-801	3	KS-19125, L3 Recorder — Piece-Part Data and Replacement Procedures
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			034-361-301	1	Recorder — KS-20017, L3 — Trouble Locating Procedures
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			034-361-701	1	Recorder — KS-20017, L3 — Requirements and Adjusting Procedures
			034-361-801	3	KS-20017, L3 — Recorder — Piece-Part Data and Replacement Procedures

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034-365-301	1	Recorder — KS-19647 — Magnetic Tape Handling and Threading
034-365-701	1	Recorder — KS-19647 — Requirements and Adjusting Procedures
034-365-801	1	Recorder — KS-19647 — Piece-Part Data and Replacement Procedures
034-366-701	1	Recorder-Reproducer — KS-19671 L1 — Requirements and Adjusting Procedures
034-366-801	1	Recorder-Reproducer — KS-19671 L1 — Piece-Part Data and Replacement Procedures
034-367-301	2	Recorder — KS-19897 — Magnetic Tape Handling and Threading
034-367-701	2	Recorder — KS-19897 — Requirements and Adjusting Procedures
034-367-801	2	Recorder — KS-19897 — Piece-Part Data and Replacement Procedures
034-368-301	2	Recorder — KS-19829 — Magnetic Tape Handling and Threading
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034-368-302	1	Recorder — KS-19829 — Troubleshooting Procedures
034-368-701	4	Recorder — KS-19829 — Requirements and Adjusting Procedures
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034-368-801	3	Recorder — KS-19829 — Piece-Part Data and Replacement Procedures
034-369-301	2	Recorder — KS-20571 — Trouble-Locating Procedures
034-369-302	1	Recorder KS-20571 — Troubleshooting Procedures for Rectifier KS-20573
034-369-701	2	Recorder — KS-20571 — Requirements and Adjusting Procedures
034-369-801	4	KS-20571 Recorder — Piece-Part Data and Replacement Procedures
034-369-802	1	Recorder — KS-20571 — Piece-Part Data and Replacement Procedures for Rectifier — KS-20573
034-370-701	3	Tape Reeler — ED-40009-01, G2 — Requirements and Adjusting Procedures
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034-370-801	4	Tape Reeler — ED-40009-01, G2 and Electrical Controls for Tape Reeler and 604-Type Tape Splicer — Piece-Part Data and Replacement Procedures
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034-7 TRANSLATORS		
034-700-701	2	I-Type Translator — Requirements and Adjusting Procedures
034-700-702	3	I-Type Translator — 4 Type Apparatus Unit — Requirements and Adjusting Procedures
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034-700-703	6	I-Type Translator — 214A Selector — Requirements and Adjusting Procedures
034-700-801	4	I-Type Translator — General — Piece-Part Data and Replacement Procedures
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034-700-802	3	I-Type Translator — 4-Type Apparatus Unit — Piece-Part Data and Replacement Procedures
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034-700-803	6	I-Type Translator — 214A Selector — Piece-Part Data and Replacement Procedures
034-700-811	5	Restoring Collapsed Code Bars and Handling 214A Selector, 200A Blanks, and Coded Cards in I-Type Translator — 4A and 4M Toll Switching System
034-700-812	2	Method of Coding Cards for I-Type Translator Using the 659-Type Tool — No. 4A and 4M Toll Switching Systems

DIVISION 040 — RELAYS

- 040-0 Indexes, Equipment Test Lists, and General Relay Information
 - 2 Relays — WE Codes — Numerical
 - 5 Relays — WE Codes — Alphabetical
 - 6 Relays — D and KS Specifications
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040-0 INDEXES, EQUIPMENT TEST LISTS, AND GENERAL RELAY INFORMATION

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040-009-501	2	Resistor-Capacitor Timed Relay Interrupter Tests
040-010-711	4	Circuits Having No Circuit Requirements Table — Maintenance Requirements
040-011-711	2	Pulse Repeating Relays — Pulsing Requirements TA1 to TF2 — Using Pulse Repeating Test Set J64722A
Add 040-011-712	1	
040-011-712	1	Pulse Repeating Relays — Pulsing Requirements TA1 Through TF2 — Using 2B-1 Signaling Test Set SD-56134-02 (J64730B) and Associated Pulse Repeating Adapter Circuit

Section Number	Issue	Subject	Section Number	Issue	Subject
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			040-219-801	4	111 (Part of 163), 121, 122, 125, 149, 162, 178 and 179 Types — Piece-Part Data and Replacement Procedures
040-012-711	9	Pulse Repeating Relays — Pulse Requirements A1 Through J1 — Using Pulsing Test Set SD-31481-01 (J34717A) and Pulse Repeating Test Set SD-31667-01 (J34720A)	040-220-701	5	114, 124, 126, 174 and 198 Types — Requirements and Adjusting Procedures
			040-220-801	3	114, 124, 126, 174, 196 and 198 Types — Piece-Part Data and Replacement Procedures
040-012-712	3	Pulse Repeating Relays — Pulse Requirements A1 Through J1 — Using 2B-1 Signaling Test Set SD-56134-02 (J64730) and Associated Pulse Repeating Adapter Circuit	040-220-811	2	114, 124, 126, 174 and 198 Types — Method of Attaching Flexible Bonding Straps
040-012-713	1	Pulse Repeating Relays — Pulsing Requirements A1 Through J1 — Using 4A Signaling Test Set SD-1C244-01 (J94743A)	040-221-701	1	118-Type — Requirements and Adjusting Procedures
040-013-711	7	Timing Requirements for Application Where Circuit Requirement Tables Do Not Show Timing Requirements	040-222-701	2	150 Type and No. 218A and Associated 26A Connecting Block — Requirements and Adjusting Procedures
040-014-811	14	Paper Armature Stops, Backstops, and Separators — Application and List of Relays	040-223-701	2	177 and 203 Types — Requirements and Adjusting Procedures
040-015-811	4	Replacement Contact Screw for Relays Having Unusual Contact Conditions	040-224-701	6	186-Type — Requirements and Adjusting Procedures (Condensed Section: 040-901-701)
040-016-801	6	Relay Drivers — Method of Attachment to Defective U-, AF-, AJ-, AK-, 286-, 287-, and 288-Type Relays to Maintain Service	040-225-701	1	189-Type — Requirements and Adjusting Procedures
			040-226-701	2	190-Type — Requirements and Adjusting Procedures
			040-227-701	4	196-Type — Requirements and Adjusting Procedures
			040-228-701	7	206, 227, 231 and 239 Types — Requirements and Adjusting Procedures (Condensed Section: 040-902-701)
			040-228-801	4	206, 227, 231 and 239 Types — Piece-Part Data and Replacement Procedures
			040-229-701	6	207 and 213 Types — Requirements and Adjusting Procedures
			040-229-801	4	207 and 213 Types — Piece-Part Data and Replacement Procedures
			040-230-701	2	208 and 214 Types — Requirements and Adjusting Procedures
			040-230-801	3	208 and 214 Types — Piece-Part Data and Replacement Procedures
			040-231-501	2	Polar — 209, 215, 228A, Modified 228A (D-160118) 255A and Similar Demountable Types — Tests and Inspections
			040-231-701	5	209-Type and Associated 18-Type Connecting Blocks — Requirements and Adjusting Procedures
			040-231-711	6	Nos. 209FA, 209FB, 209FC, 209FG, 209FH, 209FJ, 215A, 215H, 228A, 255A and Modified No. 228A Per D-160118 Using the No. 111A1 or No. 111A2 Relay Test Panel — Requirements and Adjusting Procedures
040-2 RELAYS — WE CODES — NUMERICAL					
040-210-701	1	21- and 22-Type Telegraph — Requirements and Adjusting Procedures			
040-211-701	2	24-A Telegraph — Requirements and Adjusting Procedures			
040-212-701	3	25-A Telegraph — Requirements and Adjusting Procedures			
040-213-701	3	31-A Telegraph — Requirements and Adjusting Procedures			
040-214-701	3	44-Type — Requirements and Adjusting Procedures			
040-215-701	2	59, 105, and 108 Types — Requirements and Adjusting Procedures			
040-216-701	3	85F- and 85P-Type Relays — Requirements and Adjusting Procedures			
040-216-801	2	85F, 85N, and 87 and 186 Types — Piece-Part Data and Replacement Procedures			
040-217-701	2	87-Type — Requirements and Adjusting Procedures			
040-218-701	3	89, 101 and 172 Types — Requirements and Adjusting Procedures			
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040-231-713	2	Nos. 209FA and 209FD Using Test Circuit Per SD-90411-01 — Requirements and Adjusting Procedures	Add 040-247-701	1	
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040-231-719	4	209FF, 209FK, 209FL and 209FM Using Test Circuit SD-96121-01 or SD-25274-01 — Requirements and Adjusting Procedures	040-247-801	5	245, 254, 263 and 264 Types — Piece-Part Data and Replacement Procedures
Add 040-231-801	1		040-250-701	7	253-Type — Requirements and Adjusting Procedures (Condensed Section 040-903-701)
040-231-801	3	209-Type and Associated 18-Type Connecting Blocks — Piece-Part Data and Replacement Procedures	Add 040-254-701	1	
040-231-811	2	209, 215, 228, 255 Types and D-160118 — Remagnetization of Permanent Magnets Using the No. 520A Tool	040-254-701	9	Sensitive Types — Western Electric 260 and 261 Types, KS Types, Weston Models 30, 534, 546, 730 and 1091, Bethlehem Model 1026 — Requirements and Adjusting Procedures
040-232-701	6	215 and 255 Types and Associated 18B Connecting Block — Requirements and Adjusting Procedures	Add 040-256-701	1	
040-232-801	5	215 and 255 Types and Associated No. 18B Connecting Block — Piece-Part Data and Replacement Procedures	040-256-701	4	266-Type Relays — Requirements and Adjusting Procedures
040-233-701	4	218B and Associated No. 26B Connecting Block — Requirements and Adjusting Procedures	040-257-701	3	267 Type, D-99739 and D-175787 — Requirements and Adjusting Procedures
040-233-801	3	218B — Piece-Part Data and Replacement Procedures	040-257-801	2	267 Type, D-99739 and D-175787 — Piece-Part Data and Replacement Procedures
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040-236-711	5	221, 222, 223, 224 and 225 Types — List of Requirements by Relay Codes	040-260-701	5	271, 282 and 310 Types — Requirements and Adjusting Procedures
040-236-801	4	221, 222, 223, 224, 225, 247, 248, 251 and 252 Types — 132- and 133-Type Inductors and Corresponding Automatic Electric Company Apparatus — Piece-Part Data and Replacement Procedures	040-263-501	11	275, 276, 292, 301, 303, 316, 320, and 321-Types — Tests Using Test Sets SD-95439-01 (J94725A)
040-240-701	1	Modified 228A Per D-160118 and Associated No. 18F Connecting Block — Requirements and Adjusting Procedures	040-263-701	10	Mercury Contact — Plug-In Relays — Requirements
040-240-801	2	Modified No. 228A Per D-160118 and Associated No. 18F Connecting Block — Piece-Part Data and Adjusting Procedures	Add 040-267-701	2	
040-241-701	3	229, 230 and 232 Types — Requirements and Adjusting Procedures	040-267-701	6	280-Type Relays — Requirements and Adjusting Procedures
040-241-801	2	229, 230 and 232 Types — Piece-Part Data and Replacement Procedures	040-267-711	2	280-Type — Replacement of 206 and 239 Type Relays
040-242-701	3	235-Type — Requirements and Adjusting Procedures	040-267-801	5	280-Type Relays — Piece-Part Data and Replacement Procedures
			040-272-701	7	286-, 287-, and 288-Types — Requirements and Adjusting Procedures
			040-272-801	6	286, 287, and 288 Types — Piece-Part Data and Replacement Procedures
			040-273-711	2	287- and 288-Type — Replacement of 245-, 254-, 263- and 264-Type Relays — Requirements and Adjusting Procedures
			040-275-101	3	Dry-Reed-Type — Descriptive Information

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040-275-811	2	Dry-Reed-Type — 289, 290, 293, 295, and 318 Types — Methods of Removing and Mounting	040-508-701	1	C-Type — Requirements and Adjusting Procedures
040-276-801	3	Dry-Reed-Type — 302-Type — Piece-Part Data and Replacement Procedures	040-510-701	9	E, EA, F, H, R, and T Types — Requirements and Adjusting Procedures — (For Condensed Section See 040-933-701)
040-277-801	2	Flexible Stop Springs for Gravity Type Relays	040-512-701	8	J-Type — Requirements and Adjusting Procedures (Condensed Section: 040-934-701)
040-5 RELAYS — WE CODES — ALPHABETICAL					
040-500-701	3	A and AB Types — Requirements and Adjusting Procedures	040-514-701	5	L, N and S Types — Requirements and Adjusting Procedures (Condensed Section: 040-935-701)
040-500-801	3	A, AB, E, EA, F, H, M, R, T, 235, and 236 Types — Piece-Part Data and Replacement Procedures	Add 040-514-801	2	
040-502-101	2	AF-, AG-, and AJ-Types — (Wire Spring Type) — Description	040-514-801	4	L, N and S Types — Piece-Part Data and Replacement Procedures
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040-502-701	9	AF, AG, and AJ Types — (Wire-Spring Types) — Requirements and Adjusting Procedures (For Condensed Section, See 040-930-701)	040-516-811	1	M-Type — Application of W.E. Lubricating Compound No. 3
040-502-801	9	AF-, AG-, and AJ-Type — Piece-Part Data and Replacement Procedures	040-518-501	1	Locating FA- and FB- Relay Contacts Likely to Cause Transmission Noise Similar to Banjo Tones — Trunk Link and Connector Circuits — No. 5 Crossbar Offices
040-504-701	7	AK Type — Requirements and Adjusting Procedures — (For Condensed Section, See 040-931-701)	040-518-701	12	U and UA Types — Requirements and Adjusting Procedures (For Condensed Section, See 040-937-701)
040-504-801	8	AK-Type — Piece-Part Data and Replacement Procedures	040-518-801	6	U, UA, and 271 Type — Piece-Part Data and Replacement Procedures
Add 040-505-501	2		040-518-802	2	Method of Mounting Shock Absorbers on U-Type FA- and FB-Relays — Trunk Link and Connector Circuits — No. 5 Crossbar
040-505-501	1	AL- and AM-Types — Magnetic Latching Wire-Spring — Timing and Latching Force Tests Using J94735A Test Set	040-520-701	5	UB Type — Requirements and Adjusting Procedures
Add 040-505-701	1		040-520-801	3	UB-Type — Piece-Part Data and Replacement Procedures
040-505-701	2	AL and AM Types — (Magnetic Latching Types) — Requirements and Adjusting Procedures	040-522-701	9	Y-Type — Requirements and Adjusting Procedures (For Condensed Section, See 040-937-701)
040-505-801	2	AL- and AM-Types — (Magnetic Latching Wire Spring) — Piece-Part Data and Replacement Procedures	040-522-801	3	Y and 282-Type — Piece-Part Data and Replacement Procedures
Add 040-506-701	2		040-6 RELAYS — D AND KS SPECIFICATIONS		
040-506-701	7	B and G Types — Requirements and Adjusting Procedures (Condensed Section: 040-932-701)	040-601-701	2	Thermal per D-80493 for Pneumatic Tube System Blockade Alarm — Requirements and Adjusting Procedures
040-506-801	3	B-, C-, G- and J-Type — Piece-Part Data and Replacement Procedures	040-602-701	1	Bellows per D-81211 for Pneumatic Tube System Blockade Alarm — Requirements and Adjusting Procedures
040-507-501	1	BL- and BM-Type Relays — (Magnetic Latching Wire-Spring) — Timing Tests Using J94735A Test Set	040-603-701	2	D-85083 — Requirements and Adjusting Procedures
040-507-701	4	BF-, BG-, BJ-, BL-, and BM Types — (Miniature Wire-Spring) — Requirements and Adjusting Procedures			

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040-630-701	3	KS-5323 Cutler-Hammer Automatic Reverse Current Relays — Requirements and Adjusting Procedures	040-661-701	1	KS-13767 — Requirements and Adjusting Procedures
040-630-801	1	Automatic Reverse Current — Replacement Parts and Procedures	040-662-701	1	KS-14499 — Requirements and Adjusting Procedures
040-631-701	1	Cutler-Hammer Automatic Reverse Current Relays — KS-5323-01 and KS-15572 — Requirements and Adjusting Procedures	040-663-701	5	Relays and Flashing Circuits — Used in Air Navigation — Obstruction Lighting Circuits — Requirements and Adjusting Procedures
040-631-801	1	Cutler-Hammer Automatic Reverse Current Relays — KS-5323-01 and KS-15572 — Piece-Part Data and Replacement Procedures	040-664-701	3	Time-Delay Relay, KS-15513 — Westinghouse Electric Corporation — Requirements and Adjusting Procedures
040-632-701	8	Ammeter Relays — Requirements and Adjusting Procedures	040-664-811	1	Time-Delay Relay, KS-15513 — Westinghouse Electric Corporation — Modification to Provide an Oiling Device
040-632-801	1	Ammeter Relays — Piece-Part and Replacement Procedures	040-665-701	1	Time-Delay Relay, KS-15513 — Eagle Signal Corporation — Requirements and Adjusting Procedures
040-633-701	8	Control Relays — KS-5350, KS-5451, KS-5728, KS-15503, KS-15598 and KS-15806 Types and KS-5264 Transfer Switches Requirements and Adjusting Procedures	Add 040-666-701	1	
040-634-801	2	Transfer Switches and Control Relays Electrically Operated — Replacement Parts and Procedures	040-666-701	1	KS-15516-Type Control Relays — Requirements and Adjusting Procedures
040-635-701	3	KS-5453 Voltage Relays — Direct Current — Solenoid Type — Requirements and Adjusting Procedures	040-666-801	1	KS-15516-Type — Piece-Part Data and Replacement Procedures
040-640-701	2	Thermal Time-Delay Relays, KS-5596 — Requirements and Adjusting Procedures	040-667-701	3	Control Relays — KS-15517 and KS-15726 — Requirements and Adjusting Procedures
Add 040-641-701	1		040-667-801	2	Control Relays — KS-15517 and KS-15726 — Replacement Parts and Procedures
040-641-701	1	KS-5639 Double Coil, Multicontact Control Relay — Requirements and Adjusting Procedures	040-668-701	3	Thermal Time-Delay Westinghouse Relays, KS-15518 — Requirements and Adjusting Procedures
040-641-801	1	KS-5639 Double Coil, Multicontact Control Relay — Piece-Part Data and Replacement Procedures	Add 040-669-701	1	
040-642-701	1	KS-5656 and KS-5658 — Requirements and Adjusting Procedures	040-669-701	1	KS-15519-Type Control Relays — Requirements and Adjusting Procedures
040-643-701	2	KS-5721 Mercury Relays — Requirements and Adjusting Procedures	040-669-801	2	KS-15519 — Control Relays — Replacement Parts and Procedures
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040-645-701	1	KS-5923 Current or Voltage Relays — Requirements and Adjusting Procedures	040-670-801	1	Control Relays — KS-15528 and KS-15756 — Replacement Parts and Procedures
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040-647-701	2	KS-7801 through KS-7850 — Requirements and Adjusting Procedures	040-673-701	1	KS-15863 Control Relay — Requirements and Adjusting Procedures
040-660-701	1	Thermal Relays — KS-13542, KS-13543, KS-13782, KS-13977, KS-13991 and KS-14082 — Requirements and Adjusting Procedures	040-674-701	2	Thermal Relays — KS-16022, KS-16195 and KS-16388 Types — Requirements and Adjusting Procedures
			040-675-701	1	KS-16620, List 1 Relay — Requirements and Adjusting Procedures
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040-803-701	2	Relays — Step-by-Step — AECO Horizontal-Type Relays Not Listed — In Section 040-236-711
Add 040-804-701	1	
040-804-701	1	Automatic Switch Company Relays Having No KS Designations — Requirements and Adjusting Procedures
040-804-801	1	Automatic Switch Company Relays Having No KS Designations — Replacement Parts and Procedures
Add 040-810-701	1	
040-810-701	2	Struthers-Dunn Relays Having No KS Designations — Requirements and Adjusting Procedures
040-810-801	2	Struthers-Dunn Relays Having No KS Designations — Replacement Parts and Procedures
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040-811-701	1	Relays Having No KS Designations — Ward Leonard Company, Allen-Bradley Company, and Westinghouse Corporation — Requirements and Adjusting Procedures
040-816-701	11	Relays and Relay Sets — Signal Type — Requirements and Adjusting Procedures
040-816-801	1	Relay and Relay Sets — Signal Type — Piece-Part Data and Replacement Procedures
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040-9 CONDENSED SECTIONS

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040-931-701	4	AK Type — (Wire-Spring Type) — Requirements — (Condensed Section for 040-504-701)
040-932-701	3	B and G Types — Requirements — (Condensed Section for 040-506-701)
040-933-701	3	E, EA, F, H, R and T Types — Requirements — (Condensed Section for 040-510-701)
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040-936-701	2	M-Type — Requirements — (Condensed Section for 040-516-701)
040-937-701	8	U, Y, and UA Types — Requirements — (Condensed Section for 040-518-701 and 040-522-701)
040-970-701	1	Stromberg-Carlson Types — Requirements — (Condensed Section for 040-821-701)

DIVISION 065 — MISCELLANEOUS EQUIPMENT AND MATERIALS

- 065-0 Indexes and Equipment Test Lists
- 1 Furniture, Fixtures, Appliances
- 3 Materials

065-0 INDEXES AND EQUIPMENT TEST LISTS

- ♦ 065-000-000 68 Numerical Index — Division 065 — Miscellaneous Equipment and Materials
- 065-001-011 17 ETL — Furniture Fixture Appliance

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067-201-501	2	Power Supply PEC-8001-A — Tests
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067-201-701	2	49-9-2, 49-11 + 1-2, 49-12-2 — Apparatus Requirements and Adjusting Procedures
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067-3 LINE CONCENTRATOR AND CENTRAL OFFICE EQUIPMENT ASSOCIATED WITH EMERGENCY REPORTING SYSTEM (520-TYPE PBX)

067-301-501	3	Central Office Test Circuit SD-98067-01 — 520-Type PBX Emergency Reporting System — Operation Tests
067-302-301	2	Line Concentrator Associated With 520-Type PBX — Recording, Analysis, and Handling Trouble Indicator Reports
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067-4 LINE CONCENTRATOR-IDENTIFIER

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067-405-201	1	(J93021 and J93022) For Use With No. 1 Electronic Switching System — Tests and Inspections at Time of Installation
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DIVISION 069 — MISCELLANEOUS METHODS

- 069-0 Indexes, Equipment Test Lists, and General Apparatus Information
 - 1 Cabling, Wiring, Skinning, Connecting
 - 3 Cleaning, Treating, and Reconditioning of Apparatus and Equipment — General
 - 5 Cleaning, Treating, and Reconditioning of Apparatus and Equipment — Step-by-Step Offices
 - 6 Cleaning, Treating, and Reconditioning of Apparatus and Equipment — Panel Offices
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069-0 INDEXES, EQUIPMENT TEST LISTS, AND GENERAL APPARATUS INFORMATION

- ◆ 069-000-000 83 Numerical Index — Division 069 — Miscellaneous Methods
- 069-001-011 16 ETL — Cleaning and Reconditioning Apparatus
- 069-020-801 8 Apparatus — Method of Blocking Apparatus and Insulating Contacts

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- 069-100-811 2 Cables — 720 and 721 Types — Protection of Insulation
- 069-105-811 1 Coaxial Office Cable — Preparing for Splicing and Termination
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069-130-811	1	Method of Connecting Wires — To Split Terminals	069-315-801	2	Heat Coil and Protector Spring Contacts — Cleaning
069-131-811	6	Apparatus — Method of Making Test Connections	069-321-801	2	Stud-Type Rotary Switches, Attenuators, Potentiometers, and Rheostats — Procedures for Cleaning and Treatment
069-132-811	10	Punched- or Wire-Type Terminals (Not Having Notches or Perforations) — Method of Making and Removing Wrapped Connections	069-330-801	2	Rotors and Associated Banks of 200-, 206-, 209- and 211-Type Selectors — Cleaning and Treatment
069-133-801	2	Straps and Cross Connections — Solderless Wrapped Connections — Method of Placing	069-331-801	1	204-Type Selector Bank Contacts and Associated Wipers — Telegraph and Toll Equipments — Cleaning and Treating
069-135-501	2	Solderless Connectors — Inspection	069-344-801	2	911A Connector and 645042 and 645058 AMP Connectors — Repairs
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069-141-811	2	300 and Similar Type Switches and 245 and Similar Type Relays — Soldering Strap Wires	069-360-801	5	5-, 12-, and 14-Type Registers — Procedures for Cleaning
069-3 CLEANING, TREATING, AND RECONDITIONING OF APPARATUS AND EQUIPMENT — GENERAL			069-365-801	2	Slide Wire Apparatus — Cleaning and Lubricating Procedures
069-301-801	2	Springs and Studs of Dzus Fasteners — Used in the N1 Carrier Telephone System — Piece-Part Data and Replacement Procedures	069-370-801	2	KS-13835 Readers and KS-13882 Perforators — Procedures for Cleaning
069-301-802	2	Springs and Studs of Dzus Fasteners — Used in K2 Carrier Telephone System — Piece-Part Data and Replacement Procedures	069-379-801	4	Switchboard Equipment — General Cleaning
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069-305-301	3	General Cleaning of Equipment — Dusting and Washing Operations	069-380-812	2	Plugs — Cleaning and Polishing — Using Cotton Steeving
Add 069-306-801	1		069-380-813	2	Cleaning Switchboard Plugs — Using the No. 497A or 497B Tool
069-306-801	8	Relay Contacts and Parts — Contacts on Similar Apparatus Except Keys and Jacks — Cleaning and Reconditioning	Add 069-386-801	1	
069-307-801	2	North Electric Multicontact Relays — Cleaning and Treating Contacts	069-386-801	3	Keys and Jack Contacts — Method of Cleaning
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069-310-802	7	Relays (Nonwire Spring-Type), 197-Type Switches, Crossbar Switches, and KS-13835 (AMA) Reader — Replacing Contacts	069-399-201	4	Lettering and Numbering — General Requirements and Methods
Add 069-310-803	1		069-5 CLEANING, TREATING, AND RECONDITIONING OF APPARATUS AND EQUIPMENT — STEP-BY-STEP OFFICES		
069-310-803	8	Relays (Wire-Spring Type) — Replacing Contacts	069-501-801	14	197- and 198-Type Switches and Associated Banks, Commutators, and Wipers — Cleaning Requirements and Procedures
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069-503-801	5	Cleaning Equipment Frames by Means of Compressed Air

069-6 CLEANING, TREATING, AND RECONDITIONING OF APPARATUS AND EQUIPMENT — PANEL OFFICES

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069-603-801	7	Cleaning Equipment Frames by Means of Compressed Air — Local and Tandem
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069-7 CLEANING, TREATING, AND RECONDITIONING OF APPARATUS AND EQUIPMENT — CROSSBAR OFFICES

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DIVISION 074 — CATALOGUE INFORMATION — TOOLS

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 .2 Tools — Coded and Noncoded

074-0 INDEXES

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074-214-140	4	Extractors II — Description	074-232-110	1	Kits I — Description
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074-235-130	1	Locking — Description	074-253-133	2	Restorer — Description
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*Registered servicemark of AT&T Technologies, Inc.

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103-319 J64061B (61B) Signal Generator		
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103-343-101	3	Description	Add 103-401-100	1	Description
103-343-501	3	Tests	103-401-100	2	
103-343-701	3	Adjusting Procedures	103-401-300	2	Operation
103-344 J94024C (24C) Loop Checker Generator			103-402 Portable Oscillator and Selective Analyzer 10 KC to 17 MC (Siemens-Halske)		
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103-424-100	2	Description
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103-432-109	1	Description, Operation, and Maintenance — J64090J (90J) Fixed Frequency Selector	103-441 D178980 Transmission Measuring Set		
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103-486-112	2	FT3C Test Unit KS-22670, List (1) — Description, Operation, and Maintenance — FT3C Lightwave Digital Transmission System	103-493-105	1	Digital Transmission Systems — Biddle 110A Cable Test Set — Description, Calibration, and Maintenance
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103-486-114	2	190A Optical Loss Test Set — Description, Operation, and Maintenance	103-493-107	1	Digital Transmission Systems — T1 Line Monitor — Description and Tests
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103-611-101	2	J94003C (3C)
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103-620-100	5	J94006A (6A) and J94006E (6E) Impulse Counters — Description, Operation, and Maintenance
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103-627-100	1	J94006G (6G) Noise Measuring Set — Description, Operation, and Maintenance
103-627-101	1	(J94006G) — Modified for PICTUREPHONE Use — Description, Operation, and Maintenance
103-628 Portable Pilot/Noise Monitor (1A-RDS)		
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103-704-504	1	Power Supply Regulation	103-721-100	1	Description
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103-705-500	2	Tests and Maintenance Adjustments	103-735-100	1	Description, Operation and Maintenance
103-705-501	1	Sensitivity Check	103-736 36-Type Video Visual Gain and Delay Distortion Measuring Set (Range: 12 to 330 kc)		
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 - 2 Attenuators, Detectors, Impedance Matching Devices and Nonmicrowave Test Sets
 - 3 FM Terminal, Visual Delay, and Protection Switching Test Sets
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 - 5 Single-Sideband Microwave Radio Test Equipment

Note: References to a specific radio system or systems (as TL or TJ) are for information only. Such designations do not appear on the practices themselves, and do not preclude the use of the test equipment for other than the indicated system. Remember that usages may change as test equipment originally designed for one system is found to be useful in testing another.

104-0 INDEXES AND EQUIPMENT TEST LISTS

- ♣ 104-000-000 4 Numerical Index — Division 104 — Radio Test Equipment
- 104-001-011 8 Microwave Radio

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104-421-000	2	Description, Operation and Maintenance
104-422 Hewlett-Packard KS-16647 RF Test Set (TJ)		
♣ 104-422-000	2	Description, Operation and Maintenance
104-430 J68405A Transmitter-Receiver Test Set (TH)		
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104-430-300	2	Operation
Maintenance		
104-430-500	2	General
104-430-501	1	Power Supplies
104-430-502	2	RF Generator
104-430-503	1	Sweep Generator
Add 104-430-504	1	
104-430-504	2	KS-15865 Oscillator (IF Generator)
104-430-505	1	Video Amplifier
104-430-506	2	97-kHz Oscillator
104-430-507	1	97-Kc Amplifier-Rectifier
104-430-508	1	Modulation Regulator
Add 104-430-509	1	
104-430-509	1	Noise Figure Test Set
104-430-510	1	489A Network
104-430-511	1	RF Reflectometer
104-430-512	1	KS-15869 Oscilloscope
104-430-513	2	RF Meter
104-430-514	1	IF Meter
104-430-515	2	Miscellaneous Test Set Accessories
104-430-516	1	KS-16532 Flexible Waveguide Return Loss Test

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104-431 J68415A Auxiliary Test Set (TH)		
104-431-100	1	Description
104-431-500	4	Maintenance
104-432 J68414A DADE Test Set (TH)		
104-432-000	1	Description, Operation and Maintenance
104-440 J99262AA Test Set (TL)		
104-440-100	1	Description
104-440-300	1	Operation
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104-441 Anritsu ME645A Test Set		
• 104-441-000	1	Field Calibration Service — Administration
104-480) Test Benches		
104-482)		
104-480 J68333A Test Bench (TD-2)		
104-480-100	2	Description
104-480-300	2	Operation
104-480-500	3	Maintenance
104-481 J68848 Test Bench (TH)		
Description		
104-481-100	1	General
104-481-101	1	AC Power Control and Distribution
104-481-102	1	6049-MC Frequency Generator Bay
104-481-103	2	Broadband Channel Radio Equipment
104-481-104	1	Auxiliary Channel Equipment
104-481-105	1	FM Terminal Transmitter Bay
104-481-106	1	FM Terminal Receiver Bay
Tests		
104-481-501	1	AC Power Control and Distribution
104-481-502	3	6049-MHz Frequency Generator Bay
104-481-503	3	Broadband Radio Channel Equipment
Add 104-481-504	1	
104-481-504	1	Auxiliary Channel Equipment
104-481-505	1	FM Terminal Transmitter Bay
104-481-506	1	FM Terminal Receiver Bay
104-482 J68396A Test Bench		
104-482-100	1	Description
104-482-300	1	Operation

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104-482-500	1	Maintenance
104-5 SINGLE-SIDEBAND MICROWAVE RADIO TEST EQUIPMENT		
104-500 AR 6A Test Equipment		
104-500-100	2	J68454C Scanning IM Test Module — J68454D Scanning IM Power Module — Description, Operation, and Maintenance — AR 6A Single-Sideband Radio System
104-500-101	1	Description, Operation, and Maintenance — AR 6A Single-Sideband Radio System
104-500-102	1	J87431B Test Load for J87431A TWT — Power Supply

DIVISION 105 — PBX AND STATION TEST EQUIPMENT

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 .2 Test Sets — Station
 .6 PBX Test Equipment

105-0 INDEXES

- ♠ 105-000-000 25 Numerical Index — Division 105 — PBX and Station Test Equipment

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105-240-100	3	81A Test Set
105-241-100	3	AT-8629 — Test Probe
Add 105-242-100	2	
105-242-100	4	139-Type Test Sets (Line Tone Emitter)
105-245-100	2	145A Test Set
105-250-100	2	KS-21250, List 2A — Identification, Operation, Maintenance, and Ordering — Coin Crafts' Test Set
105-260-100	1	155B Test Set
105-270-100	1	KS-16990, List 1 Test Set
105-280-100	2	24A Loop Checker
105-290-100	2	J53054A Telephone Test Set — Identification, Installation, Operation, Calibration, and Maintenance

105-6 PBX TEST EQUIPMENT

105-600-101	2	PBX Cord Circuit Test Set — SD-66484-01 (J54703A) — Description
105-601-501	1	Solid State Converter and Receiver Test Set SD-66890-01 (J58847M) — Operation Tests
105-602-101	2	PBX-ANI Data Link Test Set J59204AJ — Description and Operation

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• ♠ 106-000-000	64	Numerical Index — Division 106 — Electrical Test Equipment — Outside Plant
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106-001-011	5	ETL
106-020 Test Sets — General		
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106-020-111	3	Telephone Sets — Description and Use
106-020-112	2	AT-7888 List 1A Test Set — Speaker Set
106-020-113	5	1013B Handset — Description, Use, and Maintenance
106-020-114	2	100 Type Communication Sets — Description and Use
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106-210 Test Equipment — Amplifiers		
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106-220 Test Equipment — Volt and Ohm Meters		
106-220-100	2	KS-14725 Voltmeter — Description and Maintenance
106-220-105	2	Megger Test Sets — Low Voltage Types — Description and Maintenance
Add 106-220-111	1	
106-220-111	2	Megger Test Sets — High Voltage Types — Description
106-230 Bridges — Portable		
106-230-100	3	KS-14959 Test Set (Portable Wheatstone Bridge) — Description and Maintenance
106-230-105	4	96A Test Set — Description and Maintenance
106-300 Test Equipment — Cable, General		
106-300-100	6	91A Test Set — Description and Maintenance
106-300-108	2	B Wire Connector Test Clip — Description and Use
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106-310-100	2	Test Boards — Description and Use
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106-310-115	4	71- and 72-Type Test Sets — Description and Maintenance
106-310-116	1	120A Test Set
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106-340-105	4	99B, 95C and 110A Test Sets — Description and Maintenance
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- 107-0 Indexes, Equipment Test Lists, and General Information
 - .1 Connecting, Switching, and Adapting Test Devices
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	107-180-104	1	Wideband Data Test and Service Bay Connector Panel — Description, Application, and Construction Information

107-2 TEST SIGNAL PATTERN AND FREQUENCY GENERATORS

	107-200-100	3	903-Type Data Test Sets — Description and Operation
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Append 1	2	905A and 905B Data Test Sets — DATASPEED Signal Generator — General Description and Principles of Operation	107-402-500	3	921A Data Test Set — Maintenance
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107-202-100	1	909A Test Oscillator Circuit — Description	107-600-100	2	KS-20909 Data Test Set (Digital Transmitter) — Description and Operation
107-202-500	1	909A Test Oscillator Circuit — Field Test and Alignment (1070, 1270, 2025, and 2225 Cycles)	107-601-100	2	KS-20908 Data Test Set (Receiver) — Description and Operation
[] 107-203-100	1	905C Data Test Set for Use With 1A Data Selective Calling System — Description and Operating Procedure	107-602-100	2	Digital Signaling Test Unit (DSTU) — Description, Operation, and Maintenance
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[] 107-203-400	1	905C Data Test Set for Use With 1A Data Selective Calling System — Circuit Description and Wiring Diagrams	107-605-200	1	KS-21899 — Installation
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[] 107-203-700	1	905C Data Test Set for Use With 1A Data Selective Calling System — Installation and Adjustments	107-605-500	1	KS-21899 — Maintenance
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[] 107-203-800	2	905C Signal Generator Test Set (TSG) for High Speed Selective Calling System — Parts	107-800-100	1	28 Stroboscopic Test Set — Description and Principals of Operation
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107-302-100	2	906A Data Distortion Test Circuit — General Description and Operating Principles	♥ 107-801-800	1	Parallel Signaling Terminal Simulator (TSG803) — Parts
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107-302-500	1	906A Data Distortion Test Equipment — Test, Inspection, and Alignment	♥ 107-802-800	1	323540 Line Monitor Test Set — Parts
107-304-100	1	TTS-28 Portable Station Test Set — Description	107-803-100	1	DATASPEED Test Set TSM-7725S for Data Test Center — Description and Operation
107-304-500	1	TTS-28 Portable Station Test Set — Test Methods	107-803-300	1	DATASPEED Test Set TSM-7725S for Data Test Center — Illustration and Parts
107-305-100	2	F-58654 Portable Test Set for Acoustic and Inductive Couplers — Description and Operation	<hr/>		
107-305-500	1	Testing Acoustically and Inductively Coupled Devices Using the F-58654 Test Set — Test Procedure	DIVISION 155 — ALTERNATORS, ENGINE-ALTERNATORS, GAS TURBINE ALTERNATORS, — TONE ALTERNATORS, TONE MACHINES, RINGING AND COIN CONTROL GENERATORS, — CHARGING GENERATORS AND MOTOR-GENERATORS		
107-4 SIGNAL GENERATION AND EVALUATION EQUIPMENT			155-0 Indexes, Equipment Test Lists, Operating Log, Operating Instruction Charts, and Automatic Control Units		
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	.5	Charging Generators
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155-0		INDEXES, EQUIPMENT TEST LISTS, OPERATING LOG, OPERATING INSTRUCTION CHARTS, AND AUTOMATIC CONTROL UNITS
◆ 155-000-000	35	Numerical Index — Division 155 — Alternators, Engine-Alternators, Gas Turbine Alternators, Tone Alternators, Tone Machines, Ringing and Coin Control Generators, Charging Generators and Motor-Generators
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155-003		
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155-003-000	2	Section 1 — Power Systems — Engineering and Operational Review — General Instructions and Summary Procedures
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155-003-002	2	Section 3 — Power Systems — Engineering and Operational Review — Building Engineering Checklist
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155-010		Operating Instructions Charts
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155-020		Automatic Control Units
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155-020-501	1	Automatic Solid State Control (J86634A) for Reserve Diesel Engine-Alternator Plants — Tests and Inspection
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155-020-701	2	Automatic Solid-State Control (J86634A) for Reserve Diesel Engine-Alternator Plants — Requirements and Adjusting Procedures
155-021-501	1	J86638A — Automatic Solid-State Control for Reserve Gas Turbine Engine-Alternator Plants — Inspection and Test
Add 155-021-701	1	
155-021-701	1	J86638A — Automatic Solid-State Control for Reserve Gas Turbine Engine-Alternator Plants — Requirements and Adjusting Procedures
155-022-501	3	J86742A — Automatic Controller — Automatic Paralleling and Load Management for Reserve Engine-Alternator Plants — Inspection, Operation, and Routine Tests
155-022-701	1	J86742A — Automatic Controller — Automatic Paralleling and Load Management for Reserve Engine-Alternator Plants — Trouble-Locating Procedures
155-023-501	2	J86743A Universal Engine Controller — Operation, Inspection, and Trouble Analysis Utilizing the 181A Test Set
155-023-701	1	181A Portable Test Set — Description, Operation, and Trouble Analysis
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155-105-301	5	Commercial Type — Operating Methods
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155-107-801	2	Motor-Alternator — KS-15993 — Replacement Parts and Procedures
155-108-701	2	KS-5654 and KS-5654-01 AC-DC — Requirements and Adjusting Procedures
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155-108-801	1	KS-5654-01 AC-DC — Replacement Parts and Procedures
155-109-701	2	Motor Alternator — KS-15994 — Requirements and Adjusting Procedures
155-109-801	2	Motor-Alternator — KS-15994 — Replacement Parts and Procedures
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155-112-701	5	Motor-Alternators — KS-15520 and KS- 15626 — Requirements and Adjusting Proce- dures	155-124-301	1	KS-5565 — Portable, 10 KW AC for Trailer Mounting — U.S. Motors Corp. — Oper- ating Method
Add 155-112-801	1		Add 155-124-701	1	
155-112-801	4	KS-15520 and KS-15626 — Replacement Parts and Procedures	155-124-701	1	KS-5565 — Portable, 10 KW AC for Trailer Mounting — U.S. Motor Corp. — Require- ments and Adjusting Procedures
155-113-701	1	KS-15823 — With Compensating and Gap Circuits — Requirements and Adjusting Proce- dures	155-124-801	1	KS-5565 — Portable, 10 KW AC for Trailer Mounting — U.S. Motors Corp. — Re- placement Parts and Procedures
155-113-801	1	KS-15823 — With Compensating and Gap Circuits — Replacement Parts and Proce- dures	155-126-301	1	KS-5565 — Gasoline — 10 KW D. W. Onan & Sons, Incorporated — Operating Methods
155-115-301	2	KS-15844 and Associated Voltage Regulator — Operating Methods	Add 155-126-701	1	
Add 155-115-701	1		155-126-701	1	KS-5565 — Gasoline — 10 KW — D. W. Onan & Sons, Incorporated — Require- ments and Adjusting Procedures
155-115-701	1	KS-15844 — Requirements and Adjusting Procedures	155-126-801	1	KS-5565 — Gasoline — 10 KW — D. W. Onan & Sons, Incorporated — Replacement Parts and Procedures
155-115-801	2	KS-15844 and Associated Voltage Regulator — Replacement Parts and Procedures	155-128-101	2	Diesel — General Motors — Series 71 Sets — KS-5574 — Description
155-117-301	1	KS-15949 — Operating Methods	155-128-301	6	Diesel — General Motors — Series 71 Sets — KS-5574 — Operating Methods
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155-117-801	1	KS-15949 — Replacement Parts and Proce- dures	Add 155-128-701	4	
Add 155-118-701	1		155-128-701	4	Diesel — General Motors-Series 71 Sets — KS-5574 — Requirements and Adjusting Procedures
155-118-701	2	KS-15986 Motor-Alternator — Require- ments and Adjusting Procedures	Add 155-128-702	4	
155-118-801	1	Motor-Alternator — KS-15986 — Replac- ement Parts and Procedures	155-128-702	3	Diesel — KS-5574-01, 20 KW — Manually Operated — Stationary and Portable — Requirements and Adjusting Procedures
155-119-701	2	KS-15991 L1 and L2 — Requirement and Adjusting Procedures	155-128-703	5	KS-5574-01-30, 40, and 60 KW — Diesel — Manually Controlled — Stationary and Portable — Requirements and Adjusting Procedures
155-119-801	1	KS-15991 — Replacement Parts and Proce- dures	155-128-801	4	Diesel — General Motors — Series 71 — KS-5574 — Replacement Parts and Proce- dures
155-120-301	1	High Speed Gasoline Engine Driving Alterna- tors — "BTU" Type, KS-5467 and KS5508 — Operating Methods	155-128-802	1	Diesel — KS-5574-01, 20 KW — Station- ary and Portable — Replacement Parts and Procedures
155-120-701	2	High Speed Gasoline Engine Driving Alterna- tors — "BTU", WXLC3, L525 Type — KS- 5467 and KS-5508 — Requirements and Adjusting Procedures	155-128-803	1	Diesel — KS-5574-01 — 30, 40, and 60 KW — Stationary Portable — Replacement Parts and Procedures
155-120-801	1	High Speed Gasoline Engine Driving Alterna- tors — "BTU", L525, WXLC3 Type — KS- 5467 and KS-5508 — Replacement Parts and Procedures			
155-122-301	2	Gasoline Sets — Schramm Types — KS- 5518 — Operating Methods			

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Add 155-132-701	1		155-141-302	4	Automatic — 2.8, 4 and 8 KW — KS-5667-01, Lists 1 to 5 Inclusive and 10 KW — KS-15717, List 1 and Lists 4 to 9 Inclusive — J86622 Main Control Cabinet — Operating Methods
155-132-701	1	5 KVA — 4 KW — Onan KS-5602, List 01 — Requirements and Adjusting Procedures			
155-132-801	2	5 KVA — 4 KW — Onan KS-5602, List 01 — Replacement Parts and Procedures	155-141-303	2	Gasoline — KS-5667-01 — 2.8, 4 and 8 KW — Automatically or Manually Controlled — Operating Methods
155-134-301	1	Gasoline — Automatically Controlled — KS-5636, List 1 — 20 KW AC — Single Phase — Operating Methods	155-141-304	1	Gasoline — KS-5667-01 — 5 KW — Single Phase — 60 Cycle — Automatically Controlled — Operating Methods
155-134-302	3	Gasoline — Automatically Controlled — KS-5636 — 20, 30, 40, 50, and 60 KW AC Three Phase and 20 KW Single Phase Using 32-Volt Battery for Starting and Control — Operating Methods	Add 155-141-701	1	
Add 155-134-701	1		155-141-701	2	Gasoline — KS-5667 — 3, 5, and 8 KW — Automatically Controlled — Requirements and Adjusting Procedures
155-134-701	2	Gasoline — Automatically Controlled — KS-5636, List 1 — 20 KW AC — Single Phase Using 16-Volt Battery for Starting and Control — Requirements and Adjusting Procedures	Add 155-141-703	1	
Add 155-134-702	2		155-141-703	2	Gasoline — KS-5667-01 — 2.8, 4, and 8 KW — Automatically or Manually Controlled — Requirements and Adjusting Procedures
155-134-702	3	Gasoline — Automatically Controlled — KS-5636, 20-, 30-, 40-, 50-, and 60-KW AC — Three Phase and 20-KW Single Phase Using 32-Volt Battery for Starting and Control — Requirements and Adjusting Procedures	Add 155-141-704	1	
155-134-801	1	Gasoline — Automatically Controlled — KS-5636, List 1 — 20 KW AC — Single Phase Using 16-Volt Battery for Starting and Control — Replacement Parts and Procedures	155-141-704	1	Gasoline — KS-5667-01, Lists 6 and 7 — 5 KW — Single Phase — 60 Cycle — Automatically Controlled — Requirements and Adjusting Procedures
155-136-301	1	KS-5664 — 15 KW — Automatically Controlled — Operating Methods	Add 155-145-301	1	
Add 155-136-701	1		155-145-301	3	Diesel — KS-5750 — 20 KW, AC — Automatically Controlled — Operating Methods
155-136-701	1	KS-5664 — 15 KW — Automatically Controlled — Requirements and Adjusting Procedures	Add 155-145-302	1	
155-138-301	4	KS-5665 — 150, 200, and 300 KW — Operating Methods	155-145-302	4	Diesel — KS-5750 — 30, 40, and 60 KW, AC — Automatically Controlled — Operating Methods
Add 155-138-701	3		155-145-311	3	KS-5750, KS-15521, KS-15522, and KS-15890 — 20- to 100-KW Automatic — J86621 Main Control Cabinet — Operating Methods
155-138-701	4	Diesel — KS-5665-150, 200, and 300 KW — Requirements and Adjusting Procedures	Add 155-145-701	2	
Add 155-139-301	1		155-145-701	4	Diesel — KS-5750, 20 KW AC — Automatically Controlled — Requirements and Adjusting Procedures
155-139-301	1	Diesel — KS-5666, Lists 1 and 2 — Manually Controlled — Operating Methods	Add 155-145-702	2	
155-139-302	1	Diesel — KS-5666-01, 10 KW AC — Manually Controlled — Operating Methods	155-145-702	4	Diesel — KS-5750 — 30, 40, and 60 KW, AC — — Automatically Controlled — Requirements and Adjusting Procedures
Add 155-139-701	3		155-161-301	3	Diesel — Automatically Controlled — KS-15521, List 1, List 2, List 3, and List 4 — 20 KW — Operating Methods
155-139-701	2	Diesel — KS-5666, 10 KW Commercial Type — Requirements and Adjusting Procedures	Add 155-161-302	1	
Add 155-139-702	3		155-161-302	3	KS-15521 List 10, List 11, and List 12 Diesel — Two Automatically Controlled — Alternately Operated 20-KW Sets
155-139-702	1	Diesel — KS-5666-01, 10 KW AC — Manually Controlled — Requirements and Adjusting Procedures	Add 155-161-701	3	
			155-161-701	4	Diesel — KS-15521 11, 12, 13, and 14 — 20 KW — Automatically Controlled — Intermittent Operation — Requirements and Adjusting Procedures

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Add 155-161-702 155-161-702	1 3	Diesel — Two Automatically Controlled — Alternately Operated 20-KW Sets — KS-15521 List 10, List 11, and List 12 — Requirements and Adjusting Procedures	Add 155-172-702 155-172-702	1 3	Diesel — KS-15717 L11 — 10 KW — Automatically Controlled — Requirements and Adjusting Procedures
Add 155-165-301 155-165-301	1 4	Diesel KS-15622 — 120 and 170 KW — Manually and Automatically Controlled — Operating Methods	155-172-800	3	Diesel — KS-15717, L4, L5, L6, L7, L8, and L9 — 10 KW — Manually Controlled — Replacement Parts and Procedures
Add 155-165-311 155-165-311	1 2	Automatic Diesel — 30- to 60-KW, KS-5750 — 120- and 170-KW, KS-15622 — 30- to 100-KW, KS-15890 — J86624 Main Control Cabinet — Operating Methods	155-172-801	1	Engine-Alternators — Diesel — KS-15717, L1 — 10 KW — Automatically Controlled — Replacement Parts and Procedures
Add 155-165-701 155-165-701	6 5	Diesel — KS-15622 — 120 and 170 KW — Manually and Automatically Controlled — Requirements and Adjusting Procedures	155-172-802	1	Diesel — KS-15717 L11 — 10KW — Automatically Controlled — Replacement Parts and Procedures
155-167-301	3	KS-15650 — Gasoline — 5 KW — Portable — Onan Type — Operating Methods	155-174-301	3	Diesel — KS-15777, L21, L22, L31, and L32 — 500 KW — Manually Controlled — Operating Methods
Add 155-167-701 155-167-701	1 2	KS-15650 — Gasoline — 5 KW — Portable — Onan Type — Requirements and Adjusting Procedures	Add 155-174-302 155-174-302	1 3	Diesel — KS-15777 L23, L24, L33, and L34 — 500 KW — Automatically Controlled — Operating Methods
155-167-801	1	KS-15650 — Gasoline — 5 KW — Portable — Onan Type — Replacement Parts and Procedures	Add 155-174-701 155-174-701	3 3	Diesel — KS-15777-500 KW — Automatically and Manually Controlled — Requirements and Adjusting Procedures
155-168-301	1	KS-19989 — Gasoline 5KW — Portable — Onan Type — Operating Methods	155-174-801	1	Diesel — Manually Controlled — KS-15777, L21, L22, L31, L32 — 500 KW — Replacement Parts and Procedures
Add 155-168-701 155-168-701	1 1	KS-19989 — Gasoline — 5KW — Portable — Onan Type — Requirements and Adjusting Procedures	155-174-802	1	Diesel — Automatically Controlled — KS-15777 L23, L24, L33, and L34 — 500 KW — Replacement Parts and Procedures
155-170-301	1	Gasoline — Automatically Controlled — KS-15700 — 1.3 KW — Stationary — Operating Methods	Add 155-176-301 155-176-301	1 2	Diesel — KS-15884 — 30 KW — Manually Controlled — Operating Methods
Add 155-170-701 155-170-701	1 1	Gasoline — Automatically Controlled — KS-15700 — 1.3 KW — Stationary — Requirements and Adjusting Procedures	155-176-302	3	Diesel — KS-15884 — 45, 60, and 100 KW — Manually Controlled — Operating Methods
155-172-300	3	Diesel — KS-15717, L4, L5, L6, L7, L8, and L9 — 10 KW — Manually Controlled — Operating Methods	155-176-701	6	Diesel — KS-15884, L1, L2, L3, L4, L12, L13, and L14 — 30, 45, 60, and 100 KW — Manually Controlled — Requirements and Adjusting Procedures
155-172-301	1	Diesel — KS-15717 L1 — 10 KW — Automatically Controlled — Operating Methods	155-176-801	1	Diesel — KS-15884 — 30 KW — Manually Controlled — Replacement Parts and Procedures
155-172-302	2	Diesel — KS-15717, L11 — 10 KW — Automatically Controlled — Operating Methods	155-176-802	1	Diesel — KS-15884 — 45, 60, and 100 KW — Manually Controlled — Replacement Parts and Procedures
Add 155-172-700 155-172-700	3 3	Diesel — KS-15717, L4 Through L9 — 10 KW — Manually Controlled — Requirements and Adjusting Procedures	Add 155-178-301 155-178-301	2 3	KS-15890 — 30, 45, 60, and 100 KW — Diesel — Automatically Controlled — Operating Methods
Add 155-172-701 155-172-701	3 1	Diesel — KS-15717, L1-10 KW — Automatically Controlled — Requirements and Adjusting Procedures	155-178-701	4	Diesel — KS-15890 — 30, 45, 60 and 100 KW — Automatically Controlled — Requirements and Adjusting Procedures
			155-178-801	3	Diesel — KS-15890 — 30, 45, 60, and 100 KW — Automatically Controlled — Replacement Parts and Procedures

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155-180-301	2	Diesel — KS-15899 L1, L2, L11, and L12 — 350 KW — Manually Controlled — Operating Methods	Add 155-189-701	3	
155-180-302	2	Diesel — KS-15899 L3, L4, L13, and L14 — 350 KW — Automatically Controlled — Operating Methods	155-189-701	3	Diesel — KS-19587, L1 and L2 — 115 KW — Automatically and Manually Controlled — Requirements and Adjusting Procedures
Add 155-180-701	1		155-190-701	1	Battery Motor-Driven — Control Equipment — Requirements and Adjusting Procedures
155-180-701	4	Diesel — KS-15899 — 350 KW — Automatically and Manually Controlled — Requirements and Adjusting Procedures	Add 155-191-301	3	
155-180-801	1	Diesel — KS-15899, L1, L2, L11, and L12 — 350 KW — Manually Controlled — Replacement Parts and Procedures	155-191-301	1	KS-19583, 30 KW and KS-19584, 45 KW Engine-Alternators — Diesel — Automatically and Manually Controlled — Operating Methods
155-180-802	1	Diesel — KS-15899, L3, L4, L13, and L14 — 350 KW — Automatically Controlled — Replacement Parts and Procedures	Add 155-191-701	4	
155-185-301	2	Diesel — KS-15929, L1 and L11 — 225 KW — Manually Controlled — Operating Methods	155-191-701	2	Diesel — KS-19583, 30 KW and KS-19584, 45 KW — Automatically Controlled — Requirements and Adjusting Procedures
155-185-302	3	Diesel — KS-15929 L2 and L12 — 225 KW — Automatically Controlled — Operating Methods	Add 155-192-301	3	
155-185-701	4	KS-15929 — Diesel — 225 KW — Automatically and Manually Controlled — Requirements and Adjusting Procedures	155-192-301	1	KS-19585, 75 KW and KS-19586, 115 KW Engine-Alternators — Diesel — Automatically and Manually Controlled — Operating Methods
155-185-801	1	Diesel — KS-15929 L1 and L11 — 225 KW — Manually Controlled — Replacement Parts and Procedures	Add 155-192-701	4	
155-185-802	1	Diesel — KS-15929 L2 and L12 — 225 KW — Automatically Controlled — Replacement Parts and Procedures	155-192-701	2	Diesel — KS-19585, 75 KW and KS-19586, 115 KW — Automatically Controlled — Requirements and Adjusting Procedures
155-187-301	2	Diesel — KS-15954 L1, L2, L11, and L12 — 350 KW — Manually Controlled — Operating Methods	155-193-301	2	KS-20523, 30 KW and KS-20524, 45 KW — Engine-Alternators — Diesel — Manually Controlled or Field Converted Automatically Controlled — Operating Methods
155-187-302	3	Diesel — KS-15954 L3, L4, L13, and L14 — 350 KW — Automatically Controlled — Operating Methods	155-193-701	3	KS-20523, 30 KW and KS-20524, 45 KW — Engine-Alternator — Diesel — Manually Controlled or Field Converted Automatically Controlled — Requirements and Adjusting Procedures
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155-187-701	2	Diesel — KS-15954 — 300 KW — Automatically and Manually Controlled — Requirements and Adjusting Procedures	155-194-701	3	KS-20525, 75 KW and KS-20526, 115 KW — Engine-Alternators — Diesel — Manually Controlled or Field Converted Automatically Controlled — Requirements and Adjusting Procedures
155-187-801	1	Diesel — KS-15954, L1, L2, L11, and L12 — 350 KW — Manually Controlled — Replacement Parts and Procedures	155-195-301	1	KS-20527 List 1 Through 12 — Diesel — 115 KW — Manually Controlled — Operating Methods
155-187-802	1	Diesel — KS-15954 L3, L4, L13, and L14 — 350 KW — Automatically Controlled — Replacement Parts and Procedures	Add 155-195-701	3	
155-188-701	4	Motor-Alternator — KS-19203 — Requirements and Adjusting Procedures	155-195-701	1	Diesel — KS-20527, Lists 1 Through 12 — 115-KW — Manually Controlled — Requirements and Adjusting Procedures
155-188-801	2	KS-19203 Motor-Alternators — Replacement Parts and Procedures	155-196-101	1	KS-22936 — 12/20 KW LINEAGE ¹¹¹ 2000 — AC Reserve System — Description
Add 155-189-301	1		155-196-103	1	KS-22936 — 12/20 KW LINEAGE ¹¹¹ — Lists 1, 2, 3, and 4 — AC Reserve System (J86659) — Engineering and Installation Guidelines
155-189-301	3	Diesel — KS-19587 L1 and L2 — 115 KW — Automatically and Manually Controlled — Operating Methods	▲ ♣ 155-197-001	2	LINEAGE ¹¹¹ 2000 — 24/28/40 KW — AC Reserve System

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<i>*Trademark of AT&T Technologies</i>					
155-2 GAS TURBINE ALTERNATORS					
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155-202-301	3	KS-15992 — 750 KW Automatically or Manually Controlled — Operating Methods	155-210-301	1	KS-21879 — Lists 1 Through 4 — 1250/1500 KW Automatically or Manually Controlled Operating Methods
155-202-701	4	KS-15992 Engine-Alternator — Gas Turbine — 750 KW Automatically or Manually Controlled — Requirements and Adjusting Procedures	155-210-701	1	KS-21879 — Lists 1 Through 4 — 1250/1500 KW Automatically or Manually Controlled Requirements and Adjusting Procedures
155-205-301	3	KS-19896 L1 Through L4, L15, and L16 200-KW Automatically or Manually Controlled — Operating Methods	Add 155-211-301	1	
155-205-701	4	KS-19896 L1 Through L4, L15, and L16 Engine-Alternator — Gas Turbine — 200 KW Automatically or Manually Controlled — Requirements and Adjusting Procedures	155-211-301	1	KS-22673, Lists 1 Through 8 — Turbine Engine-Driven Alternator 750/900 KW Automatically or Manually Controlled Operating Methods
Add 155-206-301	1		Add 155-211-701	1	
155-206-301	1	KS-20542 Lists 1 Through 4, 11, and 12 — 200 KW Automatically or Manually Controlled — Operating Methods	155-211-701	1	KS-22673, Lists 1 Through 8 — Turbine Engine-Driven Alternator — 750/900 KW Automatically or Manually Controlled Requirements and Adjusting Procedures
155-206-302	1	KS-20542 Lists 101, 102, 111, and 112 and Solid State Control Circuits Lists 115 and 116 — 200 KW Automatically or Manually Controlled — Operating Methods	155-212-301	1	KS-22719, 30 KW or 45 KW and KS-22720, 75 KW or 115 KW — Engine-Alternators — Diesel Automatically Controller Operating Methods
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155-206-701	2	KS-20542 Lists 1 Through 4, 11, and 12 — 200 KW Automatically or Manually Controlled — Requirements and Adjusting Procedures	155-3 TONE ALTERNATORS AND TONE MACHINES		
155-206-702	1	Engine-Alternator — Gas Turbine — KS-20542 Lists 101, 102, 111, 112, and Solid State Control Circuits Lists 115 and 116 200KW Automatically or Manually Controlled Requirements and Adjusting Procedures	155-307-101	2	KS-5286 — Description
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155-207-301	2	KS-20460 List 1 Through 8 — 2500-KW Sets — Automatically or Manually Controlled — Operating Methods	155-307-801	5	KS-5286 — Replacement Parts and Procedures
Add 155-207-701	1		155-310-701	2	A. E. Inc. Class OI Service Tone Machines — Requirements and Adjusting Procedures
155-207-701	2	KS-20460 List 2 and Lists 4 Through 8 — 2500-KW Sets — Automatically or Manually Controlled — Requirements and Adjusting Procedures	155-320-301	1	Audible Ring Tone Generator 404F — Operating Procedures
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155-410-801	4	Motor-Driven — Commercial Type — Replacement Parts and Procedures	155-520-801	1	KS-5530 — 1.5 KW — Delco — Replacement Parts and Procedures
Add 155-415-701	1		155-522-301	1	KS-5542 — 6 KW Delco — Operating Methods
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DIVISION 161 — SPEED REDUCTION UNITS, CONVERTERS, INVERTERS, — AIR DRYERS, COMPRESSORS, COMPRESSOR-DEHYDRATORS, DEHYDRATORS, — EXHAUSTER SETS, FANS, TUBE COOLING SYSTEMS, VENTILATING EQUIPMENT, — CALL ANNOUNCER MACHINES, AND WAVEGUIDES

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 - 2 Converters and Inverters
 - 3 Air Dryers, Compressors, Compressor-Dehydrators, Dehydrators, and Waveguides
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161-0 INDEXES AND EQUIPMENT TEST LISTS

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• 161-202-100	5	Pulse Width Control DC-to-DC Converters — 120- Through 123-, 130- Through 133-, and 140- Through 143-Type Power Units — Summarizing Specification	Add 161-233-301	1	
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161-203-304	1	KS-21354, I1, (J87429B) DC-to-AC Inverter — Exide Power System — Operating Methods	161-234-701	2	Inverter — KS-19951 — Requirements and Adjusting Procedure
161-203-701	2	KS-21353, I1 (J87429A and B) DC-to-AC Inverter — Requirements and Adjusting Procedures	161-234-702	1	KS-19952 Inverter Requirements and Adjusting Procedures
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161-260-101	1	Regulated Tube Rectifier-Inverter, Phase Shift Control J86425A and Associated Power Control Panels J86425B and C — Description	161-280-301	1	DC-to-DC Converter — KS-15916 — Operating Methods
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161-261-301	2	J87306A — DC-to-DC Converter — Operating Methods	161-282-301	1	DC-to-DC Converter — KS-19158 — Operating Methods
161-262-301	1	DC-to-DC Converter J87308A Operating Methods	161-283-301	2	DC-to-DC Converter — KS-19303 L1 — Operating Methods
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161-3 AIR DRYERS, COMPRESSORS, COMPRESSOR-DEHYDRATORS, DEHYDRATORS, AND WAVEGUIDES			161-320-701	3	De Vilbiss Compressor Set — KS-7491, List 1 (AC) — Requirements and Adjusting Procedures
161-304-701	1	KS-16432 L1 Air Dryer — Requirements and Adjusting Procedures	Add 161-320-801	1	
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161-308-702	2	KS-20336 L2 and L3 Air Dryers — Requirements and Adjusting Procedures	161-352-801	1	Compressor-Dehydrator KS-16321, List 1 and Dehydrator KS-16321, List 2 — Replacement Parts and Procedures
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161-309-701	4	KS-20183 L1 and L2 Air Dryers (Dielectric Communications) — Requirements and Adjusting Procedures	161-370-701	4	KS-16001 L1, L2, and L3 Dehydrators — Requirements and Adjusting Procedures
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161-372-701	6	KS-16153, L1, L2, and L3 Dehydrators — Requirements and Adjusting Procedures	161-470-701	4	KS-5794 Air Blower — Requirements and Adjusting Procedures
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161-374-701	4	KS-16468 L1 — Requirements and Adjusting Procedures	161-470-801	3	KS-5794 Air Blower — Piece-Part Data and Replacement Procedures
161-374-801	3	KS-16468 L1 Dehydrator — Replacement Parts and Procedures	161-475-301	4	J86486 Tube Cooling System — Operating Methods
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163-3 RINGING MACHINES — LOCATED ON CUSTOMER OR TELEPHONE COMPANY PREMISES			163-607-802	1	Precision Type — Conditioning of Cams
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163-530-801	6	KS-15804, KS-15905, and KS-15985 Types — Replacement Parts and Procedures	Add 163-650-801	1	
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169-746-303	1	KS-21113, L1 and L2 — 140 Volts, 200 Amperes — Acme Electric Company — Operating Methods
169-746-304	1	KS-21113 Rectifier — Warren Communications Company — 140 Volts, 200 Amperes — Operating Methods
169-746-305	1	KS-21113, Lists 1 and 2 Rectifiers — ACME Electric Company — 140 Volts, 200 Amperes — Trouble Locating
169-748-301	1	KS-21520 Rectifier — 48 Volts, 400 Amperes — Lorain Products Corporation — Operating Methods
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169-748-302	1	KS-21520 Rectifier — 48 Volts, 400 Amperes — Warren G-V Communications — Operating Methods
169-748-311	1	KS-21520 — 48 Volts, 400 Amperes — Lorain Products Corporation — Trouble Locating
169-748-312	1	KS-21520 — 48 Volts, 400 Amperes — Warren G-V Communications — Trouble Locating
169-748-501	1	KS-21520 — Tests, Inspections, Cleaning, and Adjustments — Lorain Products Corporation
169-748-502	1	KS-21520 — Tests, Inspections, Cleaning, and Adjustments — Warren G-V Communications
169-749-301	1	KS-21522 — Lists 11, 12, 21, 22 — 48 Volts, 800 Amperes — ITT — North Electric Company — Operating Methods
169-749-311	1	KS-21522, L11, L12, L21, and L22 — 48 Volts, 800 Amperes — ITT — North Electric Company — Trouble Locating
169-749-501	1	KS-21522 — ITT — North Electric Company — DC Output (S1) Switch — Tests, Inspections, Cleaning, and Adjustments
169-790-103	1	LINEAGE TM : 2000 — Microprocessor Controlled System Battery Plant — Rectifier Description

DIVISION 171 — MISCELLANEOUS POWER CIRCUITS AND EQUIPMENT

- 171-0 Indexes
 - 1 Miscellaneous Power Circuits and Equipment

171-0 INDEXES

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Add 171-110-701	1	
171-110-701	4	Commutators, Collector Rings, Interrupters, and Brushes — Maintenance Requirements and Procedures
171-110-801	3	Commutators and Collector Rings — Resurfacing — Maintenance Procedures
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171-116-301	1	KS-20744 — Temperature Sensing Labels
171-120-301	3	Power Failure Routine — Operating Methods
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171-122-301	2	Power Load Recording Using the General Electric Company Type CF-2 Recorder — Model 8CF2AEA202 — Operating Methods
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DIVISION 179 — SIGNALING CIRCUITS AND ASSOCIATED RINGER CIRCUITS

- 179-0 Indexes, Administrative Procedures, and Equipment Test Lists
 - 1 General Signaling and Compatibility Considerations
 - 2 1600- or 2000-Cycle Single-Frequency Signaling Systems
 - 3 2400- or 2600-Cycle Single-Frequency Signaling Systems
 - 4 2600-Hz Single-Frequency Signaling System G-Type
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179-0 INDEXES, ADMINISTRATIVE PROCEDURES, AND EQUIPMENT TEST LISTS

- ♣ 179-000-000 39 Numerical Index — Division 179 — Signaling Circuits and Associated Ringer Circuits
- 179-001-011 16 ETL — Signaling Circuits

179-5 DATA SHEET — TYPE G SIGNALING SYSTEM

- 179-005-001 1 J99395AA 2-Wire 900-Ohm E&M Signaling Unit (SFE900BAA)

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179-005-003	1	J99395BA 4-Wire 600-Ohm E&M Signaling Unit (SF60B00BAA)	Add 179-100-302	1	
179-005-004	1	J99395BM 4-Wire Pulse Link Repeater (PLR) Unit (SFAXG3HCAA)	179-100-302	11	Digital Transmission Systems — D1 Channel Bank — Signaling Compatibility
179-005-005	1	J99395DA 2-Wire 900-Ohm Loop Reverse Battery Unit (SFDOGOOBAA)	179-100-303	6	V4 Telephone Repeater — Signaling Compatibility
179-005-006	1	J99395DA 2-Wire 900-Ohm Loop Reverse Battery Unit (SFDTG0BAA)	Add 179-100-304	2	
179-005-007	1	J99395EA Private Line Automatic Ring Unit (SFRD320CAA)	179-100-304	11	Signaling Compatibility — Type E Signaling System
179-005-008	1	J99395EB 2-Wire Ringdown Unit (SFRD410DAA)	179-100-305	8	E-Type Repeater — Signaling Compatibility
179-005-009	1	J99395FA Private Line Autoamtic Ring Unit (SFRD220BAA)	179-100-306	7	F-Type Signaling System — FW_ Signaling Units — Signaling Compatibility
179-005-010	1	J99395FB 4-Wire Ringdown Unit (SFRD110AAA)	Add 179-100-307	1	
179-005-011	1	J99395HA 4-Wire Duplex Signaling Unit (SFAX44HDAA)	179-100-307	3	T-Carrier System — D2 Channel Bank — Signaling Compatibility
179-005-012	1	J99395IA 2-Wire Special Access unit (SFXTA20CAA)	179-100-308	4	Type F Signaling System — FU_ and Auxiliary Units — Signaling Compatibility
179-005-013	1	J99395IB 2-Wire Foreign Exchange, Gain Transfer Unit (SFXTV20EAA)	179-100-309	4	DX Signaling Systems — Signaling Compatibility
179-005-014	1	J99395IC Special Access Signaling Unit (SFXTC20-EAA)	Add 179-100-310	1	
179-005-015	1	J99395MA 4-Wire Transmission Only Unit (SFCTG30EAA)	179-100-310	4	Digital Transmission Systems — D3 Channel Bank — Signaling Compatibility
179-005-016	1	J99395MB Transmission Only Bypass Unit (SFCTGOODAA)	179-100-311	2	Digital Transmission Systems — D4 Channel Bank — Signaling Compatibility
179-005-017	1	J99395MC Transmission Only Bypass Unit (SFCTG30EAA)	179-100-312	1	Type G Signaling System — Signaling Compatibility
179-005-018	1	J99395NA 2-Wire Transmission Only Bypass Unit (4T9F10HBAA)	♥ 179-123-501	1	TASI Signal Converter Tests — Using TASI Signal Converter Selector Circuit — SD-56529-01
179-005-019	1	J99395PA 4-Wire Extension Office End, Customer Line—Signaling Unit (SFXTA400AA)	179-2 1600- OR 2000-CYCLE SINGLE-FREQUENCY SIGNALING SYSTEMS		
179-005-020	1	J99395PD 4-Wire GS/LS Special Access Tandem Unit (SFXTTSOFAA)	179-201-101	1	Equipped With Signaling Circuit SD-56202-01 — General Description
179-005-021	1	J99395RA Special Signaling Unit (SFXTSA40DAA)	179-202-101	1	Equipped With Signaling Circuit SD-56202-01 — Detailed Circuit Operation
179-005-022	1	J99395SA 2-Wire Special Access Unit (SFXTSA20CAA)	179-205-301	2	Supply Circuit SD-55962-01 — Alarm Routine, Manual Transfer, and Trouble Clearing Procedures
179-005-023	1	J99395SB 2-Wire Foreign Exchange, Gain Transfer Unit (SFXTSV20EAA)	179-205-501	4	Supply Circuit SD-55962-01 — Tests
179-1 GENERAL SIGNALING AND COMPATIBILITY CONSIDERATIONS			179-206-301	1	Supply Circuit SD-56239-01 — Trouble Clearing Procedures
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179-215-701	4	Circuits SD-55954-01 and SD-55954-02 — Requirements and Adjusting Procedures	179-316-502	6	2400-Hz or 2600-Hz E1B, E2B, E3B, or E4B — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B
179-217-301	2	Circuit SD-56202-01 — Analysis and Clearance of Trouble	179-316-503	2	2400- or 2600-Hz E1B, E2B, E3B, or E4B — Out-of-Service Test Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set SD-1C244-01
179-217-501	3	Circuit SD-56202-01 — Tests	179-318-501	1	2600-Cycle E1A — Out-of-Service Tests Using Testing Circuits SD-56335-01 and SD-95874-01
179-217-701	2	Circuit SD-56202-01 — Requirements and Adjusting Procedures	Add 179-318-502	1	
179-3 2400- OR 2600-CYCLE SINGLE-FREQUENCY SIGNALING SYSTEMS			179-318-502	3	2600-Hz E1A — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B
♥ 179-300-501	1	Signal Converter Circuit SD-5G149-01 — Tests	179-318-503	1	2600-Cycle E1A — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set (SD-1C244-01) J-94743
179-301-301	1	Supply Circuits — Trouble Clearing Procedures	179-320-501	1	2600-Cycle E1C — Out-of-Service Tests Using Testing Circuits SD-95874-01 and SD-56335-01
179-301-501	3	Supply Circuits — Tests	179-320-502	8	2600-Hz E1C or E2C — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B
Add 179-302-501	1		179-320-503	1	2600-Hz E1C or E2C — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set SD-1C244-01 (J94743A)
179-302-501	4	Signaling Tests — Type E and F — Using 2B Signaling Test Set (J64730)	179-322-501	1	2600-Cycle E1D — Out-of-Service Tests Using Testing Circuits SD-95874-01 and SD-57335-01
179-302-502	1	Signaling Tests — Type E and F — Using 4A Signaling Test Set (J94743)	Add 179-322-502	1	
179-303-301	3	Circuits — Analysis and Clearance of Trouble	179-322-502	6	2600-Hz E1D, E2D, or E3D — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B
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179-306-101	1	Multichannel Tone Test Unit — SD-7C004-01 — Description	179-324-501	6	2600-Hertz E1E — (SD-98088-01 or SD-98088-02) — Out-of-Service Tests Using Testing Circuit — (SD-96519-01 or SD-96519-02)
179-306-501	1	Multichannel Tone Test Unit — SD-7C004-01 — Tests	Add 179-324-502	1	
179-310-501	1	Circuit SD-56202-02 — Tests	179-324-502	3	2600-Cycle E1E — (SD-98088-01 or SD-98088-02) — In-Service Tests Using Testing and Monitoring Circuit — (SD-96519-01 or SD-96519-02)
179-310-701	1	Circuit SD-56202-02 — Requirements and Adjusting Procedures	179-326-501	5	2600-Cycle E1F — SD-98089-01 or SD-98089-02 — Out-of-Service Tests Using Testing Circuit — SD-96519-01 or SD-96519-02
179-312-501	4	Circuit SD-56292-01 — Out-of-Service Tests Using Signaling Testing Circuit SD-56335-01			
179-312-502	3	Circuit SD-56292-01 — In Service Tests			
179-313-101	1	E-Type — Test Extender SD-99384-01 — Description			
179-314-501	5	Types E1A, E1B, E2B, E3B, E4B, E1C, E2C, E3C, E4C, E5C, E1D, E2D, E3D, E4D, E5D, E1J, E1L, E2L, E1P, E1R, E1S, E2S, and E3S — In-Service Tests			
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Add 179-327-501	1		179-365-101	7	Special Access Auxiliary Units — Description — Type F Signaling System
179-327-501	1	2600-Hz E1J Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 2B Signaling Test Set J-64730B	Add 179-366-101	1	
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179-327-502	1	2600-Cycle E1J — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02 and 4A Signaling Test Set J947431	Add 179-367-101	1	
			179-367-101	3	DX Auxiliary Units — Description — Type F Signaling System
179-328-501	6	2600-Hz E1L and E2L — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02	179-368-101	4	20-Hz Ringdown Auxiliary Unit — Description — Type F Signaling System
179-328-502	6	E1L-A and E2L-A Auxiliary Signaling Circuits — Out-of-Service Tests Using Testing Circuit — SD-96519-01 or SD-96519-02	179-4 2600-HZ SINGLE-FREQUENCY SIGNALING SYSTEM G-TYPE		
179-330-501	6	2600-Hz E1S, E2S, and E3S — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02	179-400-100	2	J99395 Common Systems — Description — Type G 2600-Hz Single Frequency Signaling
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179-330-502	3	E1S-A and E2S-A Auxiliary Signaling Circuits — Out-of-Service Tests Using Test Circuit — SD-96519-01 or SD-96519-02	• Add 179-405-100	1	
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179-353-501	3	2600-Hz E3C, E4C, or E5C — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02	179-407-501	1	J99395IB, PA, RA, and SB Signaling Units With Equalization or Gain Transfer — Adjustment Procedures
179-354-501	3	2600-Hz E4D E5D — Out-of-Service Tests Using Testing Circuit SD-96519-01 or SD-96519-02	Add 179-407-502	1	
			179-407-502	1	J99395IB,PA,RA, and SB Signaling Units — Prescription Settings for Precision Balance — Network and Equalizers
179-355-101	1	Carrier Group Alarm — Trunk Release and Make-Busy Circuit (SD-5G423-01) — General Description	179-408-100	1	J99395HA 4-Wire Duplex Signaling Unit — Description and Adjustment Procedure
179-360-100	2	Type F Single Frequency Signaling System — General Description	179-409-100	1	J99395EA and FA Private Line Automatic Ring Units — Description
179-360-101	1	Type F Signaling — 2600-Hz Tone Supply and Transfer — Circuit SD-1C224-01 — Description	179-409-101	1	J99395EB and FB 20-HZ Ringdown Units — Description — Type G Signaling System
179-360-501	3	2600-Hz Tone Supply and Transfer Circuit — Tests — Type F Signaling System	179-410-100	1	J99395MA, MB, MC, and NA Transmission Only Bypass Units — Description
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179-610-701	5	Signaling Receiving Circuit SD-95087-01 — Adjustment Procedures
179-612-501	6	Signaling — Receiving Circuit — Filament Alarm and Emergency Transfer Circuit Tests
179-612-701	12	Multifrequency (MF) Signaling-Receiving Circuit SD-95536-01 — Adjusting Procedure Using Adjusting Circuit SD-95664-01
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179-615-701	4	Dual Channel Receiver Circuit SD-95956-01 — (For Coin Control and Ringing Signal Detection) — Adjusting Procedure Using the 72A Frequency Meter SD-59373-01 (J64072A)

179-7 DC SIGNALING SYSTEMS

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179-708-502	1	Intertoll Dialing — Type B, CX, DX, and SX Signaling Circuit — Overall Pulsing Tests — Using 2B Test Set SD-56134-02 (J64730) on E and M Leads
179-708-504	1	Intertoll Dialing — Type B, CX, and SX Signaling Circuit — Overall Dialing Trunk Pulsing Test — Using Pulse Repeating Test Set (SD-65450-01) on 2-Way Trunk Test Jack
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-102	CAROT 2/Generic 2 (Centralized Automatic Reporting on Trunks)
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-210	TASC (Telecommunications Alarm Surveillance and Control System)
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190-000 INDEXES

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190-101-113	2	Data Merge Guidelines for TIRKS and SSS Load Tapes — General Description	190-102-100	3	General System Description
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190-101-135	3	Terminal Commands 500 Through 599 — Installation Manual Entry Commands Applications — Special Service Center	190-102-203	2	Data Base (Generic 2) — Description and Requirements
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			190-102-204	1	Circuit Order Activity — Implementation and Description
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190-102-501	2	Generic 2, Issue 5 — System Recovery Strategy	190-105-312	2	Computer Trouble Sectionalizing and Recovery
190-102-502	1	Remote-User Port Diagnostic Test Descriptions	190-105-313	4	Computer Input Commands/Output Messages
190-103 CAROT 2/Generic 3 (Centralized Automatic Reporting on Trunks)			190-105-314	3	PDP† · 11/70 Computer Operating Procedures
190-103-015	3	Analysis of Test Results	190-105-501	1	Computer Acceptance Tests
190-103-100	2	General System Description	190-105-502	2	PDP† · 11/70 Computer Acceptance Tests
Add 190-103-103	1		190-106 MDT (Maintenance Data Transmitter)		
190-103-103	2	Remote-User Terminal — Description and Operation	190-106-101	1	SD-28111-01 — Description — No. 5 Crossbar Offices Arranged for ATA
190-103-105	3	CAROT/CMS Interface Description	190-106-102	1	SD-28129-01 — Description — No. 5 Crossbar Offices With Office Test Frame (OTF) Arranged for Automatic Trouble Analysis (ATA)
190-103-110	1	2CAROT4 — General System Description	190-106-111	3	SD-28110-01 — Description — No. 1 Crossbar Offices Arranged for Automatic Trouble Analysis (ATA)
190-103-201	3	Data Base Administration	Add 190-106-301	1	
190-103-202	3	CAROT 2 Controller Administration	190-106-301	2	Trouble Locating Procedure — No. 5 Crossbar
Add 190-103-203	1		Add 190-106-311	1	
190-103-203	2	Data Base Description and Transactions	190-106-311	3	Trouble Locating Procedure — No. 1 Crossbar
190-103-204	1	Circuit Order Activity — Implementation and Description	190-106-501	2	No. 5 Crossbar Offices With Master Test Frame (MTF) Arranged for Automatic Trouble Analysis (ATA) Acceptance Tests
190-103-205	1	Text Editor Program	190-107 Programmable Scanner/Distributor		
190-103-206	2	SETEC Program	190-107-101	2	SD-94844-01 — Description — Automatic Trouble Analysis (ATA)
190-103-207	1	Report Program Generator (RPG) Description	Add 190-107-301	1	
190-103-210	2	Installation Planning and Procedures	190-107-301	2	Trouble-Locating Procedures — Automatic Trouble Analysis
▲ ♠ 190-103-300	1	Operating Procedures	190-108 Trouble Report Evaluation and Analysis Tool (TREAT) System		
▲ ♠ 190-103-305	1	Remote-User Terminal Operating Procedures	190-108-005	1	Central Office Reports — Description
190-103-310	1	Console Output Message Manual	190-110 No. 2 SCCS (No. 2 Switching Control Center System) 190-129)		
190-103-500	1	System Trouble-Locating Procedures	190-110-110	8	Common Application — Description
190-103-501	1	System Recovery Strategy	190-110-120	1	Computer Subsystem — Administrative Guidelines
190-103-502	1	Remote-User Port Diagnostic Test Descriptions	190-110-121	1	Computer Subsystem — System Administrator Procedures
190-104 MINI-RTTU (Mini-Remote Trunk Test Unit)			<i>*Trademark of AT&T</i>		
190-104-503	1	Maintenance and Trouble Locating Procedures — 5XB, SXS, and 3 ESS* Switch	<i>†Registered Trademark of Digital Equipment Corporation</i>		
190-105 ATA (Automatic Trouble Analysis)			190-110-302	3	Computer Subsystem and Control Equipment — Hardware Check
190-105-101	2	Description			
190-105-301	3	Input Commands/Output Messages			
190-105-302	3	Operating Procedures			
190-105-310	3	System Arranged With PDP† · 11/40 Processor Computer Center Operating Procedures			

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190-110-305	1	Control Equipment — T Cabinet Operation and Maintenance	★ 190-114-311	2	Traffic Service Position System No. 1 Application — Emergency Action Procedures
190-110-310	5	Computer Subsystem and Control Equipment — Hardware Operation and Reconfiguration	190-114-340	1	Control Console No. 1A — Operation and Test Procedures — Traffic Service Position System No. 1 Application
190-110-314	3	Common Equipment — Troubleshooting Procedures	★ 190-114-341	1	Control Console No. 1A — Traffic Service Position System No. 1 Application — Emergency Action Procedures
190-110-321	4	Computer Subsystem and Control Equipment — System Acceptance Tests and Operational Test Procedures	190-115-110	2	No. 2 Electronic Switching System Application — Description
190-111-110	3	Application With 4 ESS Switch — Description	190-115-310	1	No. 2 Electronic Switching System Application — Operation and Test Procedures
190-112-110	3	Application With 1A ESS Switch — Description	190-115-311	2	Emergency Action Procedures — No. 2 Electronic Switching System Application
190-112-340	3	Application With 1A ESS Switch — Operational Test Procedures	Add 190-115-340	1	
190-112-341	2	Application With 1A ESS Switch — System Recovery Procedure	190-115-340	2	Control Console No. 1A/2A — Operation and Test Procedures — No. 2 Electronic Switching System Application
190-113-110	3	Application With 1 ESS Switch — Description and Operation	190-115-341	3	Emergency Action Procedures — No. 2 Electronic Switching System Application
190-113-125	1	Multiple Message Alerting (MMA) — Administration Procedures	Add 190-116-110	1	
Add 190-113-310	4		190-116-110	1	No. 2B Electronic Switching Application — Description
190-113-310	2	No. 1 Electronic Switching System Application — Operating and Diagnostic Test Procedure	Add 190-116-340	1	
190-113-311	2	No. 1 Electronic Switching System Application Emergency Action Procedures	190-116-340	1	No. 2B Electronic Switching System Application — Operation and Test Procedures
190-113-312	2	No. 1 Electronic Switching System Application — Analysis of Network Failures and TN08 Messages	190-116-341	3	Emergency Action Procedures — No. 2B Electronic Switching System Application
190-113-313	1	Trunk Maintenance Package (TRUMP) — Procedures	190-117-110	2	No. 3 Electronic Switching System Application — Description
Add 190-113-314	1		190-117-340	2	No. 3 Electronic Switching System Application — Operating and Test Procedures
190-113-314	1	No. 1 Electronic Switching System Application — Network Analysis Operational Procedures	190-117-341	2	No. 3 Electronic Switching System Application — Emergency Action Procedures
190-113-315	2	No. 1 Electronic Switching System Application — TN08 Messages Analysis Procedures — Operation, Maintenance, and Administration	190-117-342	2	Operating and Test Procedures for No. 3 Electronic Switching System Application — Generic 3E3 and Later Issues
190-113-340	3	Application With 1 ESS Switch — Operating and Diagnostic Test Procedures	190-118-110	1	Automatic Intercept System (AIS) Application — Description
Add 190-113-341	1		190-118-340	1	Operation and Test Procedures — Automatic Intercept System (AIS) Application
190-113-341	1	No. 1 Electronic Switching System Application — Emergency Action Procedure	190-118-341	1	Emergency Action Procedures (Control Console) — Automatic Intercept System Application
190-114-110	2	Traffic Service Position System No. 1 Application — Description	190-119-110	1	No. 101 Electronic Switching System Application — Description
190-114-310	2	Traffic Service Position System No. 1 Application — Central Office Interconnect — Operation and Test Procedures	190-119-310	1	No. 101 Electronic Switching System Application — Operation and Trouble Analysis Procedures
			190-119-311	1	No. 101 Electronic Switching System Application Emergency Action Procedure

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190-120-110	1	Peripheral Data Storage Processor Application — Description
190-120-340	1	Peripheral Data Storage Processor Application — Operational Test Procedure
190-120-341	1	Enhanced 911 and Enhanced Private Switched Communication Service — System Recovery Procedure — Peripheral Data Storage Processor — No. 2 Switching Control Center System
190-121-110	1	1A Voice Storage System Application Description and Operation—No. 2 Switching Control Center System
190-121-340	1	1A Voice Storage System Application—Test Procedures
190-121-341	1	1A Voice Storage System Application — Emergency Action Procedures
190-122-110	2	Application With 5ESS* Switch — Description
190-123-110	2	Application With Traffic Service Position System No. 1B — Description
190-124-110	1	Network Control Point Application — Description
190-125-110	3	Application With Digital Access and Cross-Connect System — Description
190-125-311	2	Application With Digital Access and Cross-Connect System — Emergency Action Procedure
190-125-340	2	Application With Digital Access and Cross-Connect System — Operating and Test Procedures
190-126-110	1	Application With D5 Channel Bank — Description
190-127-110	1	Application With AUTOPLEX* System 100 Cellular Telecommunications System — Description
190-127-340	1	Application With AUTOPLEX* System 100 Cellular Telecommunications System — Operational Test Procedures
190-127-341	1	Application With AUTOPLEX* System 100 Cellular Telecommunications System — Emergency Action Procedure
190-128-110	2	Application With DMST† -10 Digital Switching System — Description
190-129-110	2	Application With No. 1 Packet Switch System (No. 1 PSS) — Description
190-129-210	1	Application With No. 1 Signal Transfer Point (No. 1 STP) — Description
190-129-310	1	Application With No. 2 Signal Transfer Point (No. 2 STP) — Description

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†Registered Trademark of Northern Telecom, Ltd.

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190-130 SCC (Switching Control Centers)		
190-130-115	2	Organizational Sizing of Switching Control Centers
190-130-120	2	Organization and Responsibility Guidelines
Append 1	1	Performance Standards — Description
Append 2	1	Work Assignment Lists — Description
Append 3	1	Manager and Supervisor Job Summaries — Descriptions
190-130-121	1	Alarm Surveillance Guides — Ordering Information
190-130-133	1	Dispatch and Administration Procedures
190-130-140	1	Work Schedule — Form E-6837 — Preparation and Use — Network Maintenance Management
190-130-143	1	Network Maintenance Management Plan — Operational Review Guidelines
Append 1	1	Network Maintenance Management Plan — Operational Review Checklists
190-130-146	1	Building and Power Alarms Central Office Maintenance
190-130-150	1	Load and Work Time Record — Form E-6843 — Network Maintenance Management
Add 190-130-160	1	
190-130-160	1	Work Load and Force Measurement Plan — Network Maintenance Management
190-130-200	1	SCC/SCCS Centralized Trunk Operation
190-130-202	1	Enhanced Private Switched Communications Service Procedures — Operation, Maintenance, and Administration
190-130-203	1	No. 1/1A ESS Remote Trunk and Line Test Procedures Using Remote Trunk Test Interface (SD-1A485-01)
190-130-204	1	Customer Service Administrative Control Center (CSACC) — EPSCS Network Status System (CENSS)
190-140 Frame Control Center		
190-140-100	1	Frame Work Station — Organizational Guidelines and Responsibilities
190-140-110	1	Frame Work Station — Operating Procedures
190-140-120	1	Frame Work Station — Implementation Guidelines
190-200 TCAS (T Carrier Administration System)		
190-200-001	1	Organization and Responsibilities
190-200-002	1	Quality Review Plan
190-200-010	5	Overall System Description
190-200-025	1	Organization and Responsibilities

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190-200-030	3	Maintenance Controller (MC) — General Operating Procedures	190-202-203	1	Planning and Implementation — Facility Maintenance and Administration Centers
190-200-031	2	Maintenance Controller (MC) — Typical Trouble Handling Procedures	190-202-463	1	Alarm Surveillance Procedures and Responsibilities — Description — Facility Maintenance and Administration Center (FMAC)
190-200-100	4	Central Equipment Description <i>Issue 3 not given general distribution</i>	♠ 190-202-510A(*)	1	Facility Technical Assistance Support Plan — Description — Facility Technical Assistance Group (FTAG)
190-200-101	5	Input Commands Description	190-205 SCOTS (Surveillance and Control of Transmission Systems)		
190-200-102	5	Reports and Tasks Description	190-205-101	3	Transmission Maintenance System — General Description
190-200-103	2	Facilities Maintenance and Administration Center-Metropolitan — Control Positions Description	190-205-102	3	Transmission Maintenance System — Central Terminal Description
190-200-300	7	Operating and Routine Maintenance Procedures	190-205-103	2	Transmission Maintenance System — Remote Equipment Description
190-200-310	5	Data Base Controller Operations	190-205-300	3	Central Terminal Operations
190-200-311	2	Equipment and Facility Assignment Controller Procedures	190-205-301	3	Data Base Planning
190-200-312	2	Maintenance Control and Maintenance Alarm Control Positions — General Operating Procedures	190-205-302	3	Surveillance and Control of Transmission Systems (SCOTS) — Data Base Management
190-200-313	2	Maintenance Control and Maintenance Alarm Control Positions — Typical Trouble-Handling Procedures	190-205-303	3	Locally Defined Operations
190-200-314	3	Supervisory Controller Procedures	190-205-500	2	System Maintenance
190-200-500	4	Central Unit Test Procedures	190-205-502	2	Surveillance and Control of Transmission Systems (SCOTS) — Remote Maintenance
190-201 Alarm Centers			190-210 TASC (Telecommunications Alarm Surveillance and Control System)		
190-201-010	1	Administration	♥ 190-210-020	2	Administrative Procedures
190-202 FMAC (Facility Maintenance and Administration Center)			♥ 190-210-050	2	No. 5 Crossbar Alarm Reference Guide (ARG) — Network Maintenance Management
190-202-004	1	Personnel Responsibilities — Facility Maintenance and Administration Center (FMAC)	♥ 190-210-051	1	No. 1 Crossbar Alarm Reference Guide (ARG) — Network Maintenance Management
190-202-041	1	Controlled Maintenance Plan — Operations Centers and Support Systems	♥ 190-210-052	1	Crossbar Tandem Alarm Reference Guide (ARG) — Network Maintenance Management
190-202-061	1	Standard Alarm Name and Status Indication Abbreviations — Description	♥ 190-210-053	1	Step-by-Step System Alarm Reference Guide (ARG) — No. 1, 350A, 355A — Network Maintenance Management
Add 190-202-101	1	Organization, Responsibilities, and Objectives — Facility Maintenance and Administration Center-Metropolitan	190-210-054	2	Building and Power Alarm Reference Guide (ARG) — Step-by-Step and Crossbar Switching Systems — Network Maintenance Management
190-202-101	1	Organization, Responsibilities, and Objectives — Facility Maintenance and Administration Center-Metropolitan	190-210-101	3	System Description — Generic 1 and Generic 2
190-202-102	1	Operations Support Systems — Facility Maintenance and Administration Center-Metropolitan	190-210-102	3	Central Description — Generic 1
190-202-103	1	Planning and Implementation — Facility Maintenance and Administration Center-Metropolitan	190-210-103	3	Remote Equipment Description — Generic 1(G1) and Generic 2(G2)
190-202-201	1	Organization and Responsibilities — Facility Maintenance and Administration Centers			
190-202-202	1	Operations Support Systems — Facility Maintenance and Administration Centers			

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190-210-112	1	Control Terminal Description Generic 2	190-300 RBCS (Record Base Coordination System)		
190-210-300	3	Central Operations — Generic 1	♥ 190-300-010	1	Network Record Coordination Center
190-210-301	3	Data Base Planning for Generic 1 Using E2A SAC Remotes and CDO Satellite Units	♥ 190-300-020	2	Supported Operations — Record Base Coordination System
190-210-302	3	Data Base Operations — Generic 1	190-305 COMMS (Central Office Maintenance Management System)		
190-210-303	3	Program Sequencer — Generic 1 and Generic 2	190-305-101	3	Description — Preventive Maintenance (COMMS-PM)
190-210-304	3	Generics 1 and 2 — Data Base Planning Using C1, E1, E2, and E2A APR Remotes	190-305-102	2	Coordinators Guidelines — Preventive Maintenance (COMMS-PM)
190-210-305	1	Application Program Operations Generics 1 and 2	190-305-301	2	Equipment Inventory — Preventive Maintenance (COMMS-PM)
190-210-310	1	Central Terminal Operations for Generic 2	190-305-302	3	Method of Handling Routine List, Scheduling Parameters, Local Routines & Local Equipment — Preventive Maintenance (COMMS-PM)
190-210-311	1	Data Base Planning for Generic 2 using E2A SAC Remotes and CDO Satellite Units	190-305-303	2	Method of Handling Work Item List and PM Schedule — Preventive Maintenance (COMMS-PM)
190-210-312	1	Data Base Operations—Generic 2	190-305-304	1	Method of Handling Work Orders — Preventive Maintenance (COMMS-PM)
190-210-500	3	System Maintenance — Generics 1 and 2	190-305-305	1	Teletypewriter Operating Procedures — Preventive Maintenance (COMMS-PM)
190-220 RMMS (Regional Maintenance Management System)			190-305-306	2	Method of Handling Administrative and Summary Reports — Preventive Maintenance (COMMS-PM)
190-220-010	1	Carrier Transmission Maintenance System (CTMS)/Trunk and Facility Maintenance System (TFMS) — Administrative Methods and Procedures	190-305-307	2	Method of Updating — Preventive Maintenance (COMMS-PM)
190-220-100	2	General Description	190-306 SCANS (Software Change Administration and Notification System)		
♣ 190-220-100 A(1)	3	General Description <i>Issue 2 not suffixed</i>	♥ 190-306-010	2	System Administration
190-220-101	2	Central Description	★ 190-306-100	2	High-Speed Terminal Interface
190-220-105	1	Carrier Transmission Maintenance System (CTMS)/Trunk and Facility Maintenance System (TFMS) — Routine Measurements	♥ 190-306-110	1	Overwrite Administration and Procedures In the Switching Control Center System — Description
190-220-300	1	General Operation	190-401 NSC (Network Service Center)		
190-220-301	2	Data Base Management	190-401-000	3	Center Information Resources Index
♣ 190-220-301 A(1)	3	Data Base Management <i>Issue 2 not suffixed</i>	190-401-040	2	Center Description
190-220-500	2	Maintenance	190-401-060	1	Network Service Center for Bell Operating Companies (BOC) Center Management Guide
♣ 190-220-500 A(1)	3	Maintenance <i>Issue 2 not suffixed</i>	190-401-070	1	Network Service Center for Bell Operating Companies (BOC) — Center Operations Guide
190-220-501	2	4M Multiplexor — Description, Operation, and Diagnostics	190-401-091	1	Network Service Center for Bell Operating Companies (BOC) — Operational Review — Introduction
♣ 190-220-501 A(1)	3	4M Multiplexor — Description, Operation, and Diagnostics <i>Issue 2 not suffixed</i>			
190-220-551	2	Routine Tests — Line and Multiplex Sections — Gain/Frequency Characteristics and Noise			
190-220-572	1	Demand Measurements			

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190-401-093	1	Network Service Center for Bell Operating Companies (BOC) — Operational Review — Organization Checklist	190-401-415	1	Trouble Analysis — Introduction — Network Operations Trouble Information System (NOTIS)
190-401-095	1	Network Service Center for Bell Operating Companies (BOC) — Operational Review — Management Checklist	190-401-420	1	Trouble Analysis — Computerized Operator Trouble Report Analysis — Network Operations Trouble Information System (NOTIS)
190-401-097	1	Network Service Center (NCS) for Bell Operating Companies (BOC) — Operational Review — Operations Checklist	190-401-425	1	Trouble Analysis — Network Exception Reports — Network Operations Trouble Information System (NOTIS)
190-401-099	1	Network Service Center (NSC) for Bell Operating Companies (BOC) — Operational Review — Review Summary Checklist	190-401-430	1	Trouble Analysis — Local Maintenance, Trend, and Special Study Reports — Network Operations Trouble Information System (NOTIS)
190-401-100	1	Network Service Centers	190-401-435	1	Trouble Analysis — Administrative Reports — Network Operations Trouble Information System (NOTIS)
190-401-110	1	Network Task Force	190-401-440	1	Masterfile Maintenance — Introduction — Network Operations Trouble Information System (NOTIS)
190-401-120	1	Area Network Service Center	190-401-445	1	Masterfile Maintenance — Switching Entity Definition (SED) Updates — Network Operations Trouble Information System (NOTIS)
190-401-130	1	Network Committee Organizations	190-401-450	1	Masterfile Maintenance — NPA-NXX Definition Updates — Network Operations Trouble Information System (NOTIS)
190-401-140	1	Performance Measurement and Operational Review	190-401-455	1	Masterfile Maintenance — Common Language Location Identification — Network Operations Trouble Information System (NOTIS)
190-401-150	10	Directory	190-401-460	1	Masterfile Maintenance — Routing Specification List (RSL) Updates — Network Operations Trouble Information System (NOTIS)
190-401-230	1	Reorder Analysis	190-401-465	1	Masterfile Maintenance — Distribution Control File (DCF-1) Updates — Network Operations Trouble Information System (NOTIS)
190-401-240	2	Call Disposition Data (Service Evaluation) — Operations Support Systems	190-401-470	1	Masterfile Maintenance — Multiple Destination Request (MDR) — Network Operations Trouble Information System (NOTIS)
190-401-241	1	SES 1A Interface With ATRS/NOTIS	190-401-475	1	Masterfile Maintenance — Operator Trunk Group (OTG) Updates — Network Operations Trouble Information System (NOTIS)
190-401-250	1	Call Sampling and Hold and Trace Procedures	190-401-480	1	Job Aid — Master File Error Correction — Network Operations Trouble Information System (NOTIS)
190-401-300	1	Equipment and Billing Accuracy Control (EBAC)	190-401-485	1	Job Aid — Master File Error Correction — Network Operations Trouble Information System (NOTIS)
Add 190-401-301	1	Administration Guide — Message Recording Trunk Trouble Analysis (MRTTA) System	190-401-490	1	Job Aid — Masterfile Printouts — Network Operations Trouble Information System (NOTIS)
190-401-301	1	Administration Guide — Message Recording Trunk Trouble Analysis (MRTTA) System			
190-401-320	2	Automated Trouble Reporting System (ATRS)			
190-401-321	1	Central Unit — Operating Procedures — Automated Trouble Reporting System (ATRS)			
190-401-322	1	Trouble Locating Procedures			
190-401-330	1	Network Call Completion			
190-401-340	1	Phase 1 — Description and Planning			
190-401-352	1	Terminal Operations Guide — Mechanized Evaluation of Call Completion Anomalies (MECCA)			
190-401-400	1	Trouble Reporting — Description and Procedures — Network Operations Trouble Information System (NOTIS)			
190-401-405	1	Trouble Ticket — Description — Network Operations Trouble Information System (NOTIS)			
190-401-410	1	Operator Trouble Report Processing — Description — Network Operations Trouble Information System (NOTIS)			

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190-402)		LSU (Local Storage Unit) and CMDR (Centralized Message Detail Recorder)	190-510-214	2	EADAS Traffic Data Converter (ETDC) SD-3B213-01 — Connection Verification Tests — Using ETDC Input Pulser SD-3B221-01
190-403)			190-510-215	2	EADAS Traffic Data Converter (ETDC) SD-3B213-01 — Connection Verification Tests — Using EADAS Test Set SD-3B220-01
▲ ♣ 190-402-000	2	94A Customer Premise System (CPS) Installation, Test and Maintenance	190-510-216	2	Traffic Data Converter Circuits SD-3B213-01 and SD-95968-01 — Channel Definition and Validation
190-402-100	3	94A Customer Premises System (CPS) — Descriptive Information	190-510-217	2	EADAS Traffic Data Converter (ETDC) SD-3B213-01 Associated With Traffic Usage Recorder (TUR) SD-95738-01 Equipped With Individual Circuit Usage Recorder (ICUR) Through Tests From EADAS Central Control Unit (CCU)
190-402-200	3	94A Customer Premises System (CPS) — Identification and Preinstallation Information	190-510-221	1	Pollable Data Terminal No. 1A (PDT-1A) SD-3B232-01 Remote Tests
190-402-250	1	Local Storage Unit (LSU) — Maintenance Support — 94A Customer Premises System (CPS)	190-510-222	1	Pollable Data Terminal No. 1A (PDT-1A) SD-2B232-01 — Tests for PDT at PDT Location
▲ ♣ 190-403-000	1	93B Customer Premise System (CPS) — Installation, Test and Maintenance	190-510-223	1	Pollable Data Terminal (PDT-1A) SD-3B232-01 — Trouble Locating Procedures
190-403-100	3	93B Customer Premises System — Description Information	190-510-225	1	Pollable Data Terminal (PDT-2A) With PDT-1A Output Format Used With EADAS — Description
190-403-200	3	93B Customer Premises System — Identification and Preinstallation Information	190-510-226	1	Pollable Data Terminal No. 2A (PDT-2A) Operation With EADAS — Tests and Trouble Locating Procedures
190-403-250	1	Maintenance Support — 93B Customer Premises System (CPS)	♥ 190-510-406	1	Implementation — Coordination
190-510 EADAS (Engineering and Administrative Data Acquisition System)			♥ 190-510-410	1	Central Control Unit Operation
♥ 190-510-020	1	Pollable Data Terminal No. 2A (PDT-2A) — Data Collection Requirements	♥ 190-510-411	1	Load EADAS Generic — Position Practice
♥ 190-510-060	1	General Description — Network Design	♥ 190-510-412	1	Supply, Modify, and Verify System Definitions — Position Practice
♥ 190-510-061	3	No. 1 — Determination of Quantities — Network Switching Engineering — Operational Support Systems	♥ 190-510-413	1	Maintain Magnetic Tape for Downstream Processing — Position Practice
♥ 190-510-062	2	Individual Circuit Usage Recording Subsystem	♥ 190-510-416	1	Dial Administrator Teletypewriter Operation
190-510-100	2	Description	♥ 190-510-418	1	System Definitions
190-510-200	2	Descriptive Supplement for Network Maintenance	♥ 190-510-420	1	Surveillance Applications
190-510-202	1	EADAS Traffic Data Converter — SD-3B213-01 — Description	♥ 190-510-440	1	Operational Maintenance
190-510-203	1	Pollable Data Terminal No. 1A (PDT-1A) SD-3B232-01 — Description	♥ 190-510-441	1	Operational Maintenance — System Messages Catalog
190-510-204	2	Central Unit — Operating Procedures	♥ 190-510-470	1	Training Administration Guide
190-510-205	2	Central Unit — Trouble Sectionalizing	♥ 190-510-471	1	Instructor's Guide — Central Control Unit Management Training
190-510-211	2	EADAS Traffic Data Converter (ETDC) SD-3B213-01 — Remote Tests	♥ 190-510-472	1	Student Manual — Central Control Unit Management Training
190-510-212	2	EADAS Traffic Data Converter (ETDC) — SD-3B213-01 — Tests of ETDC at ETDC Location	♥ 190-510-473	1	Instructor's Guide — Central Control Unit Clerical Training
Add 190-510-213	1				
190-510-213	2	Traffic Data Converter SD-3B213-01 — Trouble-Locating Procedures			

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♥ 190-510-474	1	Student Manual — Central Control Unit Clerical Training	♥ 190-512-031	3	Step-by-Step Reports — Record Base, Calculation, and Report Cross-Reference <i>Issue 1 and 2 not given general distribution</i>
♥ 190-510-475	1	Dial Administrator's Student Manual	♥ 190-512-032	3	Step-by-Step Pollable Data Terminal (PDT) Reports — Description <i>Issue 1 and 2 not given general distribution</i>
♥ 190-510-476	1	Dial Administrator's Training Monitor's Guide	♥ 190-512-033	3	Step-by-Step Pollable Data Terminal (PDT) Reports — Record Base, Calculation, and Report Cross-Reference <i>Issue 1 and 2 not given general distribution</i>
♥ 190-510-501	2	Individual Circuit Usage Recoding - General Description — No. 1	♥ 190-512-034	4	No. 1 Crossbar Reports — Description <i>Issue 1, 2, and 3 not given general distribution</i>
♥ 190-510-504	1	Implementation — Job Ordering and Coordination — Individual Circuit Usage Recorder	♥ 190-512-035	4	No. 1 Crossbar Reports — Record Base, Calculation, and Report Cross-Reference <i>Issue 1, 2, and 3 not given general distribution</i>
♥ 190-510-520	1	System Definitions — Individual Circuit Usage Recorder	♥ 190-512-036	3	Crossbar Tandem Reports — Description <i>Issue 1 and 2 not given general distribution</i>
190-511 EADAS 1A (Engineering and Administrative Data Acquisition System — 1A)			♥ 190-512-037	3	Crossbar Tandem Reports — Record Base, Calculation, and Report Cross-Reference <i>Issue 1 and 2 not given general distribution</i>
♥ 190-511-060	2	Load Measurement Facilities — Description and Determination of Quantities — Network Switching Engineering — Operational Support Systems	♥ 190-512-038	4	No. 5 Crossbar Reports <i>Issue 1, 2, and 3 not given general distribution</i>
190-511-100	1	No. 1A EADAS — Description	♥ 190-512-039	4	No. 5 Crossbar Reports — Record Base, Calculations, and Report Cross-Reference <i>Issue 1, 2, and 3 not given general distribution</i>
190-511-101	1	230A Repeater SD-5P001-01 — Description	♥ 190-512-040	3	Trunking Reports — Description <i>Issue 1 and 2 not given general distribution</i>
190-511-201	1	Operating Procedures	♥ 190-512-041	3	Trunking Reports — Record Base, Calculation, and Report Cross-Reference <i>Issue 1 and 2 not given general distribution</i>
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201-520-701	4	Common Systems Recorded Announcement Frame — SD-97725-01, SD-97725-02, SD-97725-03, and SD-97725-04 — Requirements and Adjusting Procedures	201-605-501	1	Major Audible Alarm Circuit SD-95798-01 Arranged for Coded Signaling — Miscellaneous Tests
201-520-801	5	Common Systems Recorded Announcement Frames — SD-97725-01, SD-97725-02, and SD-97725-03 — Piece-Part Data and Replacement Procedures	201-607-301	2	Cable Insulation Alarm Circuit SD-96348-01 — Method of Operation and Alarm Procedures
201-521-101	1	14A Announcement System — Description and Operating Procedures — Common Systems	201-607-501	2	Cable Insulation Alarm Circuit SD-96348-01 — Tests
201-570-501	1	5A Timer — Tests	201-609-501	2	Low Insulation Alarm Circuit SD-62489-01 — Tests
201-576-501	3	400A Tone Generator — (Receiver Off-Hook Tone) — Tests	201-610-301	3	Cable Pressure Telemetry — Central Control — Description and Operation — Toll Cable Pressure Transducer System
201-578-501	7	Tone Detector Circuit SD-94800-01 — Tests and Adjustments	201-610-302	1	Cable Pressure Telemetry — Central Control and Cable/Transducers — Trouble Locating Procedures
201-578-502	3	8A and 8B Tone Detectors (J94008A) (J94008B) — SD-99551-01 Tests and Adjustments — Common Systems	201-610-311	3	Cable Pressure Telemetry — KS-20537, 11 Moduprinter and AP-20 Printer — Description, Operation, and Maintenance
201-579-501	3	Test Progress Tone Circuit SD-96603-01 — 2225-Hz Supply and Distributing Circuit — Tests	201-610-501	5	Cable Pressure Telemetry — Central Control — Test and Trouble Analysis Procedures
201-580-301	1	No-Such-Number Tone Supply Alarm Procedures, Manual Transfer and Trouble Clearing Procedures	201-611-501	3	Cable Gas Pressure Alarm Circuit SD-90412-01 — Cable Protection Alarm Circuit SD-95025-01 and Calling-In Signal — Tests
201-580-501	1	No-Such-Number Tone Supply Circuits — Tests	201-612-101	3	Cable Pressure Monitoring System (CPMS) — Remote and Satellite Terminals (SD-7C000-01, SD-2P035-01) — Description
201-6 ALARM SYSTEMS AND ORDER WIRES, MISCELLANEOUS FUSE ALARMS, EMERGENCY LINE AND TRUNK TRANSFER CIRCUITS, ALERTING SYSTEMS, AND TELEMETRY			201-612-301	4	Remote Terminal (SD-7C000-01) — Trouble Locating and Alignment Procedure — Cable Pressure Monitoring System (CPMS)
201-601-101	3	Emergency Alarm Circuits — Description	201-612-302	3	Cable Pressure Monitoring System (CPMS) — Remote Terminal SD-7C000-01 — Cross-Connections
201-601-501	2	Emergency Alarm System SD-90642-01 — Separate Incoming Alarm From Distant Office — Tests	201-612-311	4	Cable Pressure Monitoring System — Satellite Terminal SD-2P035-01 — Trouble Locating Procedures
			201-612-312	2	Cable Pressure Monitoring System (CPMS) — Satellite Terminal SD-2P035-01 — Cross-Connections

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201-612-313	1	Cable Pressure Monitoring System (CPMS)—Remote Terminal Test Set (J1C013AD, L1)—Description and Operations	201-632-010	1	Alarm Indication Log — Form E-3870 — Description
201-613-501	2	Cable Protection Alarm and Calling-In Signal Circuit SD-55211-01 — Tests	201-633-301	1	D1 Alarm and Control Circuit and Order Wire Circuit — Substation and Main Station Units — Analysis and Clearance of Trouble
201-614-501	1	60 I.P.M. Interrupter Alarm and Distribution Circuit SD-63899-01 or SD-63899-02 for Teletypewriter Equipment — Tests	201-633-501	1	D1 Alarm and Control System — Out-of-Service Tests
201-615-301	1	Alarm Receiving Circuit SD-95418-01 — Taking Equipment Out of Service	201-634-501	2	D2 Alarm and Control Circuit and Order Wire Circuit — Out-of-Service Tests
201-615-501	1	Alarm Receiving Circuit SD-95418-01 — Tests	Add 201-635-501	1	
201-616-101	1	Centralized Status, Alarm and Control System — Description	201-635-501	3	Sequence Signaling and Order Circuits Associated With TD/TH Radio Relay System — Tests
201-620-301	2	Audible and Visual Maintenance Alarm Equipment NS-01046-01 — Operating Methods, Alarm Procedures, Adjustment Procedures, and Trouble Locating Procedures	Add 201-636-501	1	
201-620-501	2	Central Office Audible and Visual — Maintenance Alarm Equipment NS-01046-01 — Tests	201-636-501	2	Remote Control Sending and Receiving Directors and Associated Sequence Signaling Circuits for Use With TD/TH Radio Relay Systems — Tests
201-625-101	2	Telephone Order Wire Circuit SD-62476-011 — Selective Signaling — Description	Add 201-637-501	1	
201-626-101	1	Telephone Order Wire Circuit SD-55320-01 — 600-1500 Cycle Selective Signaling — Description	201-637-501	1	Distribution Fuse, Individual, Audible, and Visual Alarm Circuit SD-56230-01 for Use With TD Radio Systems
201-626-501	2	Telephone Order Wire Circuit SD-55320-01 and ES-55572-01 — 600-1500 Cycle Selective Signaling — Tests	201-639-100	1	E1 Status Reporting and Control System — General Description
201-627-101	1	600-1500 Cycle Selective Signaling Systems — Description	201-639-300	1	E1 Status Reporting and Control System — Operation
201-628-101	1	Alarm Trunk Circuit SD-64542-01 for Use Between Main and Auxiliary Repeater Stations Description	201-639-501	1	E1 Status Reporting and Control System — Initial Trouble Diagnoses — Central Station
201-629-501	2	Alarm Trunk Circuit SD-64542-01 — Alarm Trunk Control Circuit SD-55055-01 — Alarm Trunk Switching Circuit SD-55859-01 — Alarm Trunk Station Selecting Circuit SD-55860-01 — Tests	201-639-503	3	E1 Status Reporting and Control System — Troubleshooting Procedures — Central Station
201-630-010	2	B1 Alarm Indicator Record Forms — Description	201-639-504	4	E1 Status Reporting and Control System — Troubleshooting Procedures — Remote Station (J92615B1 and J92615B2)
201-630-101	1	B1 Alarm and Control System — Description	201-640-501	2	Television Order Circuits and Associated Equipment — Tests
201-630-301	4	B1 Alarm and Control System — Method of Operation	201-641-101	1	L4 Order Circuit (L4OC) and Express Order Circuit (XOC) — Description
201-631-010	1	C1 Alarm and Control System — Forms and Records	201-642-101	1	Local Order Circuit (LOC) — Cablemans Order Circuit (COC) — Description
201-631-101	4	C1 Alarm and Control Circuit and Order-Wire Circuit — Description	201-643-101	2	Description — Status Assembling System
201-631-501	4	C1 Alarm and Control System — Tests	201-643-301	2	Maintenance and Trouble Procedures — Status Assembling System
			201-643-501	1	Tests and Inspection — Status Assembling System — SD-5G144, SD-5G143, and SD-5G139
			Add 201-644-100	1	
			201-644-100	4	E2 Status Reporting and Control System — Description — Overall System
			201-644-110	2	E2 Status Reporting and Control System — Multidirectional Data Regenerator — Description

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201-644-111	2	E2 Status Reporting and Control System — Alarm Reporting Remote — Description	201-650-501	1	Emergency Line or Trunk Transfer Circuit SD-95690-01 — Tests
201-644-112	3	Manual Alarm Central — Description — E2 Status Reporting and Control System	201-651-501	1	Lines Arranged for Manual Completion of Emergency Calls — Operation Test
201-644-113	1	E2 Status Reporting and Control System — Status Polling Central — Description	201-652-501	1	Emergency Line Circuit SD-95336-01 — Tests
201-644-114	1	E2 Status Reporting and Control System — Status Reporting Remote — Description	201-653-100	2	E2A Telemetry — Electromagnetic Interference Warnings
201-644-142	1	E2 Status Reporting and Control System — Remote Call-up Test Set — Description, Operation, and Maintenance	201-653-102	4	E2A Telemetry — Switching Control Center System — Description
201-644-312	4	E2 Status Reporting and Control System — Manual Alarm Central Operating Procedures	201-653-103	1	E2A Telemetry — Cable Pressure Monitoring System (CPMS) — Description
201-644-501	3	E2 Status Reporting and Control System — Initial Trouble Diagnoses	201-653-104	3	E2A Telemetry — Status and Command Remote Applications — Description
201-644-503	5	E2 Status Reporting and Control System — Manual Alarm Central — Troubleshooting Procedures	201-653-105	1	E2A Telemetry — SCOTS-C1 Interface Remote — Description
201-644-504	6	E2 Status Reporting and Control System — Alarm Reporting Remote — Troubleshooting Procedures	201-653-106	1	E2A Telemetry — No. 4 ESS Network Management Central and Remote — Description
201-644-510	1	E2 Status Reporting and Control System — Troubleshooting Procedures — Multidirectional Data Regenerator	201-653-107	1	E2A Telemetry — CDO Satellite Remote — Description and Maintenance
201-644-511	1	E2 Status Reporting and Control System — Troubleshooting Procedures — Status Reporting Remote	201-653-108	1	E2A Telemetry — No. 4 ESS — Combined Maintenance Operations — Center Description
201-644-513	1	E2 Status Reporting and Control System — Troubleshooting Procedures — Status Polling Central	201-653-109	1	Digital Alarm Scanner (DAS) — Description — E2A Telemetry
201-644-550	1	E2 Status Reporting and Control System — Remote Station Connections and Central Station Display — Overall System — Tests — Interconnection and Display	201-653-110	3	Advanced Telemetry Processor — Description and Operations — E2A Telemetry
201-645-501	2	Group Alerting System J95421 (SD-95883-01 and SD-95884-01) — Tests	201-653-122	3	E2A Telemetry Alarm Processing Remote (APR) — System Description
201-646-101	4	4-Wire Order Circuit — General Purpose (SD-1C245-01) — Description	201-653-502	5	E2A Telemetry Switching Control Center — Central and Remote Maintenance
201-646-501	4	4-Wire Order Circuit — General Purpose SD-1C245-01 — Tests	201-653-503	1	E2A Telemetry — Cable Pressure Monitoring System — Telemetry-to-Computer Translator and Remote Maintenance
Add 201-647-100	1		201-653-504	3	E2A Telemetry — Status and Command Remote and Telemetry-to-Computer Translator — Tests
201-647-100	1	E3 Alarm System — Description	201-653-505	1	E2A Telemetry — SCOTS-C1 Interface Remote and TCT — Maintenance
201-647-101	2	E3 Alarm System — E3 Alarm Central — Description	201-653-506	1	E2A Telemetry — No. 4 ESS Network Management Central and Remote Maintenance
201-647-301	2	E3 Alarm System — E3 Central (J1P030A) Operation	201-653-508	1	E2A Telemetry No. 4 ESS — Combined Maintenance Operations Center (CMOC) — Maintenance
201-647-500	3	E3 Alarm System — Initial Trouble Diagnosis	201-653-509	2	Digital Alarm Scanner (DAS) — Maintenance — E2A Telemetry
201-647-501	2	E3 Alarm System — E3 Central — Maintenance	201-653-510	2	Advanced Telemetry Processor (ATP) — Maintenance — E2A Telemetry

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201-653-520	1	Telemetry Maintenance — Common Product Line Consideration — E2A Telemetry	201-828-501	3	Remote Testing Features SD-99308-01, SD-99311-01 — Far-End and Extended Remote Tests From Far-End — Tests and Trouble Locating Procedures — No. 14 and No. 16 Local Test Desk
201-653-522	3	E2A Telemetry — Alarm Processing Remote (APR) — Maintenance	201-828-502	4	Remote Testing Features and Circuits — SD-99309-01 and SD-99310-01 Near-End and SD-97559-01 Near to Far-End Tests and Trouble Locating Procedures — No. 14 Local Test Desk and No. 16 Local Test Desk
201-7 OPERATOR TRAINING EQUIPMENT AND COMMON SWITCHBOARD SECTIONS			201-828-503	2	Local Test Desk (LTD) No. 14 — Test and Trouble Locating Procedures
201-701-501	1	Operator Key pulsing Drill Circuit — Tests	201-828-504	1	Local Test Desk (LTD) No. 16 — Tests and Trouble Locating Procedures
201-702-501	1	Operator Training Circuit — CAMA Training Equipment — Tests	201-828-505	2	Local Test Cabinet No. 3 — Tests and Trouble Locating Procedures
201-705-501	3	Key Monitoring Circuit SD-96314-01 — MF and DC Key pulsing — DSA, Toll and CAMA Switchboards — Tests	201-829-501	1	UI Carrier SD-1C151-01 — Central Office Unit — Test
201-710-301	1	Location of Crosses and Grounds in Switchboard Multiple	201-830-301	1	Automatic Identified Outward Dialing Equipment — General Maintenance Procedures
201-711-301	1	Removing Foreign Materials From Switchboard Jacks Using Tool Kit Per KS-6527	201-830-501	3	Alarms — Operation Tests — PBX Automatic Identified Outward Dialing Type A1 Equipment
201-712-501	3	Idle Trunk Indicating, Group Busy, and Answering Lamp Circuits — Tests	201-831-501	4	Automatic Identified Outward Dialing, Type A2 — Alarm Tests and Operation Tests Using Station Identification Test Circuit SD-1C235-01
201-715-501	3	MF Keypad Circuit No. 13C, 13D, 14C, 15C and 15D Switchboards — Output Level — 0 DBM Per Frequency — Tests	201-832-501	1	Dial Long Line Circuit SD-96588-01 — Test
201-715-502	1	MF Keypad Circuit No. 13C, 13D, 14C, 15C, and 15D Switchboards — Output Level — 3 DBM Per Frequency — Tests	201-832-502	5	Dial Long Line Circuits — SD-96589-01 — 96590-01 — 96591-01 — Tests Using Test Position SD-96594-01
201-715-503	1	MF Keypad Circuit No. 13C, 13D, 14C, 15C, and 15D Switchboards — Output Level — 8 DBM Per Frequency — Tests	Add 201-833-501	1	
201-715-504	1	MF Keypad Circuits No. 13C, 13D, 14C, 15C, and 15D Switchboards — Output Level — 6 DBM Per Frequency — Test	201-833-501	7	Coin Station Test Line SD-1C297-01 — Tests and Trouble Locating Procedures
201-720-501	1	Coin Zone Operator Trunk Circuit SD-95851-01 — Tests Using Trunk Test Circuit SD-95875-01	201-836-501	1	Video Supervisory Signal Supply Circuit SD-27909-01 Associated With Wideband Remote Switch Circuit SD-27900-01 — Tests
201-8 MISCELLANEOUS COMMON SYSTEM CIRCUITS			201-838-101	2	Remove Office Test Line (ROTU) — Control Panel — Description and Operation — Common Systems
201-819-501	2	Speed Test Circuit for TOUCH-TONE® Automatic Dialers — SD-1C402-01 — Tests and Adjustments	201-838-701	1	Remote Office Test Line (ROTU) Control Panel — E6 Repeater Adjustment
201-820-301	1	Touch-Tone Calling Receiving Circuit (J99266) — Trouble-Location	Add 201-840-501	1	
201-821-301	2	Touch-Tone Calling-Receiving Circuit J99289 — SD-98148-01 — Trouble Location	201-840-501	2	Apartment Door Answering Service (ADAS) — ST-596038 — Central Office Tests
201-822-301	2	Use of Compensating Resistance — Revertive and PCI Pulsing Circuits	201-840-502	1	Apartment Door — Answering Service (ADAS) — NS-02506-01 — Central Office Tests
201-825-501	1	Private Line Conference Circuits With or Without Amplifiers — Tests	201-841-301	1	Calendar and Clock Circuit SD-68591-01 — Clock Setting
201-825-502	2	Private Line Conference Circuit SD-96391-01 — Transmission Tests			
201-826-501	4	Auxiliary Line Circuit SD-99439-01 — Arranged for Measured Rate INWATS Service — Operation Tests			

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Add 201-842-100	1		201-9 BILLING SYSTEMS		
201-842-100	1	Common Systems Message Printer SD-94865-01 — Description, Operating Procedures, and Maintenance	201-900 AMARC		
201-843-501	2	Busy Line Verification — Limiting Amplifier SD-97761-01 — Transmission Tests	201-900-010	2	No. 1 Automatic Message Accounting Recording Center (AMARC) — Operation, Maintenance, and Management
201-844-100	2	97A Control Unit — Description and Maintenance	♥ 201-900-030	2	No. 1A Automatic Message Accounting Recording Center — Introduction to Nongeneric Parameter Data (NPD) and Instructions for Preparation of NPD Forms for Generics 3 and 4
201-850 No. 1 Trunk Concentrator			♥ 201-900-031	2	No. 1A Automatic Message Accounting Recording Center — Reproducible Nongeneric Parameter Data (NPD) Forms for Generics 3 and 4
201-850-101	3	No. 1 Trunk Concentrator — Description	Add 201-900-032	1	
201-850-501	1	No. 1 Trunk Concentrator Circuit SD-97569-01 — Tests	♥ 201-900-032	1	No. 1A Automatic Message Accounting Recording Center — Call Data Accumulator (CDA) Translations for No. 1A AMARC, Generic 3
201-850-502	2	Outgoing Trunk Circuit to AIC SD-97570-01 — Transmission Tests — No. 1 Trunk Concentrator	♥ 201-900-033	2	No. 1A Automatic Message Accounting Recording Center (AMARC) — Billing Data Transmitter (BDT) Translations for Generics 3 and 4
201-850-503	3	Outgoing Trunk Circuit to ACD SD-97578-01 — Direct Trunk or Via No. 1 TSPS — Transmission Tests — No. 1 Trunk Concentrator	♥ 201-900-034	2	No. 1A Automatic Message Accounting Recording Center — No. 3 ESS Sensor Translations for Generics 3 and 4
201-850-504	1	Trunks Terminating on No. 1 Trunk Concentrator — Incoming Trunk Frame — Trunk Transmission Tests	♥ 201-900-035	2	No. 1A Automatic Message Accounting Recording Center — Call Data Transmitter (CDT) Translations for Generics 3 and 4
201-850-505	2	Outgoing Trunk Circuit to No. 23-Desk SD-97578-01 — Direct Trunk or Via No. 1 TSPS — Transmission Tests — No. 1 Trunk Concentrator	Add 201-900-036	2	
201-850-506	1	Outgoing Trunk Circuit SD-97578-01 to No. 1 ESS With CAMA — Transmission Sets — No. 1 Trunk Concentrator	♥ 201-900-036	1	No. 1A Automated Message Accounting Recording Center — No. 5 Electronic Tandem Switching and Voice Storage System Translations for Generics 3 and 4
201-850-511	3	Outgoing Trunk Circuit SD-97570-01 — Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator	Add 201-900-037	1	
Add 201-850-512	1		♥ 201-900-037	1	No. 1A Automatic Message Accounting Recording Center — No. 2B and No. 5 Electronic Switching Systems — Translations for Generic 4
201-850-512	2	Incoming Intercept ANI Trunk Circuit SD-97571-01 — Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator	♥ 201-900-050	2	Introduction to Nongeneric Parameter Data (NPD) — Required for No. 1 and 1A AMARC
201-850-513	2	Incoming Intercept ONI-1 Trunk Circuit SD-97572-01 — Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator	♥ 201-900-051	2	Physical Description of No. 1 AMARC
201-850-514	4	Incoming Intercept ONI-3 Loop Signaling Trunk Circuit SD-97573-01 — Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator	♥ 201-900-052	2	Description of Nongeneric Parameter Data (NPD) Tables — No. 1 AMARC
201-850-515	4	Incoming Intercept ONI-3 E and M Lead Signaling Trunk Tests Using Portable Test Set J94747A — No. 1 Trunk Concentrator	♥ 201-900-053	2	Call Data Accumulator (CDA) Translations for No. 1 AMARC
201-850-521	4	Incoming Trunk Circuit SD-97577-01 for Directory Assistance Traffic — Tests Using Portable Test Set SD-97576-01 (J94747A) — No. 1 Trunk Concentrator	♥ 201-900-054	2	Billing Data Transmitter (BDT) Translations for No. 1 AMARC
201-850-522	3	Outgoing Trunk SD-97578-01 — Tests Using Portable Test Set SD-97576-01 (J94747A) — No. 1 Trunk Concentrator	♥ 201-900-055	2	Preparation of Nongeneric Parameter Data (NPD) Forms — No. 1 AMARC — General
			♥ 201-900-056	2	Preparation of Nongeneric Parameter Data (NPD) Forms — Common Parameters — No. 1 AMARC

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♥ 201-900-057	2	Preparation of Nongeneric Parameter Data (INPD) Entity Parameters — No. 1 AMARC	♥ 201-900-081	1	Nongeneric Parameter Data — No. 1A AMARC Dump Messages
♥ 201-900-058	2	Preparation of Nongeneric Parameter Data (INPD) Forms — Channel Parameters — No. 1 AMARC	♥ 201-900-082	1	Nongeneric Parameter Data (INPD) — Other No. 1A AMARC Administrative Records
♥ 201-900-059	2	Preparation of Nongeneric Parameter Data (INPD) Forms — Special Number Parameters — No. 1 — AMARC	♥ 201-900-083	1	Administrative Considerations for Growth and Rearrangements
♥ 201-900-060	2	Reproducible Nongeneric Parameter Data (INPD) Forms — No. 1 Automatic Message Accounting Recording Center	♥ 201-900-084	1	No. 3 ESS Terminal Translations for No. 1A AMARC
♥ 201-900-061	2	Nongeneric Parameter Data — No. 1 AMARC Dump Messages	201-900-101	2	No. 1 Automatic Message Accounting Recording Center (AMARC) — Description
♥ 201-900-062	2	Nongeneric Parameter Data (INPD) — Other No. 1 AMARC Administrative Records	201-900-102	2	230A Repeater SD-5P001-01 — No. 1 and No. 1A Automatic Message Accounting Recording Center (AMARC)
♥ 201-900-063	2	No. 1 Automatic Message Accounting Recording Center Administrative Considerations for Growth and Rearrangements	201-900-103	2	Description — Generics 1, 2, and 3
♥ 201-900-070	1	Introduction to Nongeneric Parameter Data (INPD) — Required for No. 1A AMARC- Generic 2 — Billing Systems — Supplemental Information — Central Offices	201-900-104	1	No. 1A Automatic Message Accounting Recording Center — Generic 4 Description
♥ 201-900-071	1	Physical Description of the No. 1A AMARC- Generic 2 — Supplemental Information — Central Offices	201-900-300	2	Software Growth Procedures — No. 1 Automatic Message Accounting — Recording Center (AMARC)
♥ 201-900-072	1	Description of Nongeneric Parameter Data (INPD) Tables — No. 1A AMARC — Generic 2	201-900-301	2	Routine Procedures — No. 1 Automatic Message Accounting Recording Center (AMARC)
♥ 201-900-073	1	Call Data Accumulator (CDA) Translations for No. 1A AMARC	201-900-302	2	Operating Procedures — No. 1 Automatic Message Accounting Recording Center (AMARC) — Generic 3, 4, and 5
♥ 201-900-074	1	Billing Data Transmitter (BDT) Translations for No. 1A AMARC	201-900-303	2	Emergency Procedures — No. 1 Automatic Message Accounting Recording Center (AMARC)
♥ 201-900-075	1	Preparation of Nongeneric Parameter Data (INPD) Forms — No. 1A AMARC — General	201-900-304	2	Fault Isolation Procedures — No. 1 Automatic Message Accounting Recording Center (AMARC)
♥ 201-900-076	1	Preparation of Nongeneric Parameter Data (INPD) Forms — Common Parameters — Generic 2 — Supplemental Information — Central Offices	201-900-305	3	Date and Time Change Procedures — No. 1 Automatic Message Accounting Recording Center (AMARC)
♥ 201-900-077	1	Preparation of Nongeneric Parameter Data (INPD) Entity Parameters — No. 1A AMARC — Generic 2	201-900-306	3	Data Set Interface and Auxiliary Functions (DSIAF) Diagnostics — Loading Procedure and Interpretation — No. 1 Automatic Message Accounting Recording Center (AMARC)
♥ 201-900-078	1	Preparation of Nongeneric Parameter Data (INPD) Forms — Channel Parameters — No. 1A AMARC	201-900-307	3	Nongeneric Parameter Data Procedures — No. 1 Automatic Message Accounting Recording Center (AMARC)
♥ 201-900-079	1	Preparation of Nongeneric Parameter Data (INPD) Forms — Special Number Parameters — No. 1 AMARC	201-900-308	1	Operator Analysis of System Related Trouble Messages — No. 1 AMARC
♥ 201-900-080	1	Reproducible Nongeneric Parameter Data (INPD) Forms — No. 1A Automatic Message Accounting Recording Center — Generic 2	201-900-309	2	Operator Analysis of Step-by-Step Channel Troubles — No. 1 and No. 1A Automatic Message Accounting Recording Center (AMARC)
			201-900-310	2	Operator Analysis of BDT Channel Troubles — No. 1 and No. 1A Automatic Message Accounting Recording Center (AMARC)

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201-900-313	1	Operator Analysis of the No. 5 Crossbar Electronic Translator System (ETS) and Local Automatic Message Accounting — Computer (IAMA-C) — Channel Troubles No. 1 and No. 1A Automatic Message Accounting Recording Center (AMARC)	201-901 BDT		
			Add 201-901-101	1	
			201-901-101	3	Billing Data Transmitter (BDT) — Description
			201-901-301	4	Billing Data Transmitter (BDT) — Trouble Sectionalizing
201-900-314	1	Operator Analysis of No. 3 Electronic Switching System (ESS) Channel Troubles — No. 1 and No. 1A AMARC	201-901-302	3	Central Office AMA Equipment With Billing Data Transmitter (BDT) — Precautionary Measures — Common Systems
201-900-315	1	Call Data Transmitter (CDT) — Operator Analysis of Channel Troubles — No. 1A Automatic Message Accounting Recording Center (AMARC)	Add 201-901-501	2	
			201-901-501	2	Recorder and Recorder Connector Circuit SD-25872-01 — Operation Tests for Offices Equipped With Billing Data Transmitters
201-900-321	2	Routine Procedures for Generics 2 and 3 — No. 1A Automatic Message Accounting Recording Center (AMARC)	Add 201-901-502	1	
			201-901-502	4	Billing Data Transmitter (BDT) — Acceptance Tests
201-900-322	2	Operating Procedures for Generics 2 and 3 — No. 1A Automatic Message Accounting Recording Center (AMARC)	201-902 CAMA-C		
201-900-323	1	Emergency Procedures — No. 1A AMARC — Generics 1, 2, and 3	201-902-010	2	Centralized Automatic Message Accounting - Computerized (ICAMA-C) — Operation, Maintenance, and Management — No. 4 Crossbar and Crossbar Tandem Offices
201-900-324	1	No. 1A AMARC — Fault Isolation Procedures — Generics 1, 2, and 3	201-902-101	2	Centralized Automatic Message Accounting — Computerized (ICAMA-C) — Description Information — 4A, 4M Toll, and Crossbar Tandem Offices
201-900-325	1	Date and Time Change Procedures — No. 1A AMARC — Generics 1, 2, and 3	♥ 201-902-200	1	Centralized Automatic Accounting — Computerized (ICAMA-C) Line and Trunk Administration 4A, 4M, and Crossbar Tandem Offices
201-900-326	1	Data Set Interface and Auxiliary Functions (DSIAF) Diagnostics — Loading Procedure and Interpretation — No. 1A AMARC — Generics 1 and 2	Add 201-902-301	1	
			201-902-301	2	Centralized Automatic Message Accounting — Computerized (ICAMA-C) — Emergency Action Procedures — 4A, 4M Toll, and Crossbar Tandem Offices
201-900-327	1	Nongeneric Parameter Data Procedures — No. 1A AMARC — Generics 1, 2, and 3	201-902-302	2	Centralized Automatic Message Accounting — Computerized (ICAMA-C) — Multiplexor/Scanner Trouble Locating and Test
201-900-328	1	Operator Analysis of System Related Trouble Messages — No. 1 AMARC	Add 201-902-303	1	
Add 201-900-330	2		201-902-303	2	Centralized Automatic Message Accounting (ICAMA-C) — Recent Change Procedures — 4A, 4M Toll and Crossbar Tandem Offices
201-900-330	1	RP06 Disk — Description and Operating Procedures — No. 1A Automatic Message Accounting Recording Center (AMARC)	201-902-304	2	Centralized Automatic Message Accounting — Computerized (ICAMA-C) Hourly and Daily Maintenance Reports — Procedures and Message Interpretation — 4A, 4M Toll and Crossbar Tandem Offices
Add 201-900-331	1		201-902-305	2	Centralized Automatic Message Accounting - Computerized (ICAMA-C) — Time Change Procedures
201-900-331	1	Diagnostic Loading Procedure — No. 1A Automatic Message Accounting Recording Center (AMARC) Generic 3	201-902-306	3	Centralized Automatic Message Accounting (ICAMA-C) — Generic Program Overwrites and Application of Broadcast Warning Change Notices — 4A, 4M Toll and Crossbar Tandem Offices
201-900-340	1	No. 1 AMARC — Acceptance Tests — Generic 3			
♥ 201-900-610	2	Common Systems — Network Switching Engineering — No. 1A Automatic Message Accounting Recording Center (Generic 2)			
♥ 201-900-611	1	Common Systems — Network Switching Engineering — No. 1A Automatic Message Accounting Recording Center (Generic 3)			
♥ 201-900-612	1	Common Systems — Network Switching Engineering — No. 1A Automatic Message Accounting Recording Center (Generic 4)			
201-900-700	1	Prebilling Failure Performance Reporting — Message Billing Failure Processing			

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201-902-308	2	Centralized Automatic Message Accounting-Computerized ICAMA-CI — Remote Teletypewriter — Description, Operation, and Maintenance — 4A, 4M Toll and Crossbar Tandem Offices
201-902-309	3	Centralized Automatic Message Accounting-Computerized ICAMA-CI — Monitoring Tests — 4A, 4M Toll, and Crossbar Tandem Offices
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201-902-310	2	Centralized Automatic Message Accounting ICAMA-CI — Program Loading Procedures — 4A, 4M Toll and Crossbar Tandem Offices
201-902-501	4	Centralized Automatic Message Accounting — Computerized ICAMA-CI — Routine Tests and Operations — 4A, 4M Toll and Crossbar Tandem Offices
201-902-502	2	Centralized Automatic Message Accounting — Computerized ICAMA-CI Recorder and Recorder Connection Circuit SD-25872-01 Tests — 4A, 4M Toll and Crossbar Tandem
201-902-503	2	Centralized Automatic Message Accounting-Computerized ICAMA-CI — Equipped With ANIS or MECCA Feature Tests — 4A, 4M Toll and Crossbar Tandem Offices
201-903 HOBIS		
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201-903-101	2	Hotel Billing Information System (HOBIS) — Description for Generic 1
201-903-102	1	Hotel Billing Information System/Centralized Credit — Refund System (HOBIS/CCRS) — Description for Generic 2
201-903-301	4	Hotel Billing Information System/Centralized Credit Refund System (HOBIS/CCRS) — Emergency Action and Restoration Procedures for Generics 1 and 2
201-903-302	4	Hotel Billing Information System/Centralized Credit Refund System (HOBIS/CCRS) — Routine Operating Procedures for Generics 1 and 2
201-903-303	2	Hotel Billing Information System/Centralized Credit — Refund System (HOBIS/CCRS) — Trouble Sectionalizing for Generics 1 and 2
201-903-501	1	No. 1 Hotel Billing Information System (HOBIS) — Maintenance Test Procedures
201-903-503	2	Hotel Billing Information System/Centralized Credit — Refund System (HOBIS/CCRS) — Acceptance Tests for Generic 2

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DIVISION 205 — AUTOMATIC DATA TEST CIRCUITS

205-0 Indexes and Equipment Test Lists
 -1 Automatic Data Test Circuits

205-0 INDEXES AND EQUIPMENT TEST LISTS

- ♦ 205-000-000 12 Numerical Index — Division 205 — Automatic Data Test Circuits
- 205-001-011 1 ETL — Automatic Data Test Circuits

205-1 AUTOMATIC DATA TEST CIRCUITS

- 205-101-501 3 Automatic Data Test Line Circuit SD-71028-01 — Operation Tests
- Add 205-102-301 1
- 205-102-301 1 Automatic Data Test Line — Trouble Locating Procedures
- 205-102-501 1 Automatic Data Test Line No. 5A (SD-71076-01) — Transmission and Operation Tests

DIVISION 210 — SERVICE OBSERVING, AND PLANT AND TRAFFIC DESKS

210-0 Indexes and Equipment Test Lists
 -1 Service Observing Desks

210-0 INDEXES AND EQUIPMENT TEST LISTS

- ♦ 210-000-000 59 Numerical Index — Division 210 — Service Observing, and Plant and Traffic Desks
- 210-001-011 3 ETL — No. 12 and Modified No. 7
- 210-001-013 2 ETL — Information and Toll Directory Desks

210-1 SERVICE OBSERVING DESKS

- 210-102-301 3 No. 4 Portable Service Observing Set — No. 1 or 2 Dial Pulse Recorder Set — Connections and Operations
- 210-105-501 2 Service Observing Circuit for Observing Speed of Answer — Tests — No. 12 Service Observing Desk
- 210-106-501 3 Intertoll Service Observing Circuit and Associated Dial Pulse Converter Circuit for Use with No. 12 Service Observing Desk — Tests — No. 4A or 4M Toll Switching System
- 210-110-501 3 Incoming Trunk and Distribution Circuit — Tests — No. 7 or 12 Service Observing Desk
- 210-111-501 2 Service Observing Circuit for Crossbar Tandem Incoming Intertoll Trunks — Tests Using Test Circuit SD-27050-01 — No. 7 or 12 Service Observing Desk

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210-111-502	3	2- or 4-Wire Intertoll Service Observing Trunks and Associated Dial Pulse Converter — Tests Using Service Observing Test Circuit SD-95712-01 — No. 7 or 12 Service Observing Desk
210-115-501	1	Service Observing Circuit for Observing Calls to PBX Attendants and Stations — Crossbar Tandem Offices Arranged for Direct Inward Dialing to PBX — Tests — No. 7 or No. 12 Service Observing Desks
210-116-502	1	Service Observing Circuit for Step-by-Step CAMA Incoming Trunks — Tests Using Test Set SD-32271-01 (J38913A) — No. 7 or 12 Service Observing Desk
210-116-504	1	Service Observing Circuit for Incoming Trunks — No. 4A and 4M Toll Switching Systems — Tests — No. 7 or 12 Service Observing Desk
Add 210-118-502	1	
210-118-502	2	AMA, CAMA, and Local Dial Service Observing Circuits for DDD Trunks and Junctors, and Miscellaneous Local Dial Trunks in No. 5 Crossbar Office — Tests — No. 7 or 12 Service Observing Desk

DIVISION 211 — NO. 1, 3, 5, AND 6 TOLL OFFICES — NO. 1, 3, 5, AND 6 TOLL SWITCHBOARDS AND — NO. 6A TELETYPEWRITER SWITCHBOARDS

- 211-0 Indexes, Equipment Test Lists, and Administrative Practices
 - .1 Common to More Than One Toll Office or Toll Switchboard
 - .2 No. 1 Toll Offices and Toll Switchboards
 - .3 No. 3 Toll Offices and Toll Switchboards
 - .4 No. 5 Toll Switchboards
 - .5 No. 6 Toll Switchboards
 - .8 6A Teletypewriter Switchboard

211-0 INDEXES, EQUIPMENT TEST LISTS, AND ADMINISTRATIVE PRACTICES

◆ 211-000-000	29	Numerical Index — Division 211 — No. 1, 3, 5, and 6 Toll Offices — No. 1, 3, 5, and 6 Toll Switchboards and No. 6A Teletypewriter Switchboards
211-001-012	1	ETL — Common to More Than One Toll Office or Toll Switchboard
211-001-013	2	ETL — No. 1 Toll Office and Toll Switchboard
211-001-014	3	ETL — No. 3 Toll Office and Toll Switchboard
211-001-015	2	ETL — No. 5 Toll Switchboards
211-001-016	1	ETL — No. 6 Toll Switchboards
211-001-017	1	ETL — No. 6A Teletypewriter Switchboard
211-020-001	2	Equipment and Cross-Connection Records — Toll Terminal Equipment

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211-021-001	1	Trouble Indicator Records — Intertoll Trunk Concentrating Equipment
211-022-001	2	Classifying and Recording Trouble Data — Manual Toll and TWX Offices
211-1 COMMON TO MORE THAN ONE TOLL OFFICE OR TOLL SWITCHBOARD		
211-102-501	1	Supervisor Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-103-501	1	Operator Control and Telephone Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-104-501	1	Trouble Operator Cord, Telephone, and Grouping Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-105-501	1	Vacant Position Tone and Night Alarm Circuits — Automatic Listening Positions — Tests — No. 1 and 3 Toll Tandem Switchboards
211-106-501	1	Grouping and Splitting Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-107-501	1	Common Overflow and Reorder Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-110-501	2	Link Allotter — Call Distribution Equipment — Tests — Toll Offices
211-112-501	2	Group and Position Allotters — Call Distribution Equipment — Tests — Toll Offices
211-114-501	1	Group Busy Time Registers SD-63313-01 — Tests — No. 1 and 3 Toll Offices
211-116-501	1	Alarm Circuits for the 30, 60, and 120 I.P.M. Interrupter, Transfer, and Distributing Circuit SD-95078-01 — Tests — Toll Systems
211-117-501	1	Alarm Circuits for the 30, 60, and 120 I.P.M. Interrupter, Transfer, and Distributing Circuit SD-95099-01 — Tests — Toll Systems
211-118-501	1	Alarm Circuits for the 40, 60, and 120 I.P.M. Interrupter Circuit SD-63367-01 — Tests — Toll Systems
211-119-501	1	Alarm Circuits for the 60 I.P.M. Interrupter Relay Circuit SD-70136-01 — Tests — Toll Systems
211-120-501	4	Transmission Measurement Tests — No. 1 and No. 3-Type Switchboards
211-130-101	2	Pneumatic Tube Type Ticket Distributing System — Description — Toll Offices
211-130-301	5	Pneumatic Ticket Distributing System — Operating Methods — Toll Offices
211-130-501	4	Pneumatic Ticket Distributing System — Tests — Toll Offices
211-132-701	1	50A Detector for Pneumatic Tube System Blockade Alarm — Requirements and Adjusting Procedures — Toll Offices

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211-132-801	1	No. 50A Detector — Pneumatic Ticket Distributing System — Piece-Part Data and Replacement Procedures — Toll Offices	211-146-001	1	Classifying and Recording Trouble Data — Intertoll Trunk Concentrating Equipment — Toll Offices
211-134-701	3	No. 28A Roller Receiving Valve — Pneumatic Ticket Distributing System — Requirements and Adjusting Procedures — Toll Offices	211-146-101	1	Intertoll Trunk Concentrating Equipment — Description — Toll Systems
211-134-801	3	No. 28A Roller Receiving Valve — Pneumatic Ticket Distributing System — Piece-Part Data and Replacement Procedures — Toll Offices	211-146-301	1	Intertoll Trunk Concentrating Equipment — Trouble Indicator Alarm Routine — Operating Methods — Toll Offices
211-134-802	2	Helical Gear — Pneumatic Ticket Distributing System — Modification of Roller Receiving Valve (28A Valve) — Toll Offices	211-146-501	2	Intertoll Trunk Concentrating Equipment — Incoming Trunks — Tests
211-135-701	2	Roller Receiving Valve per D-80134, Roller Receiving Valve per D-80134 Modified per D-98400, and Roller Receiving Valve per D-80134 Modified per ED-61355-01 for Pneumatic Ticket Distributing System — Requirements and Adjusting Procedures — Toll Offices	211-148-501	1	Toll Tandem Trunk Circuits — Tests — No. 1 and 3 Toll Tandem Switchboards
211-135-801	1	Roller Receiving Valve per D-80134, Roller Receiving Valve per D-80134 Modified per D-98400, and Roller Receiving Valve per D-80134 Modified per ED-61355-01 — Pneumatic Ticket Distributing System — Piece-Part Data and Replacement Procedures — Toll Offices	211-150-501	4	Announcement Trunks — Toll Offices
211-137-701	2	Hand Receiving Valves (25- and 26-Type Valves) — Ticket Retainers (KS-15536, Lists 1, 2, 3, and 4) — Sending Valves (27-Type Valves) — Pressure Equalizers (No. 29A and A-102556 Valves) — Removable Edge Sections (No. 1A and 2A or 6A Sections) — Pneumatic Ticket Distributing System Requirements and Adjusting Procedures — Toll Offices	211-152-501	2	Emergency Access Trunks to Intertoll Trunks Associated with No. 4-Type Toll or Crossbar — Tandem Switching Systems From Toll Switchboards No. 1, 3, 3C, and 3CL and No. 4-Type Toll Switching System from Toll Switchboard No. 5
211-137-801	3	Hand Receiving Valves (25- and 26-Type Valves) — Ticket Retainers (KS-15536, Lists 1, 2, 3, and 4) — Sending Valves (27-Type Valves) — Pressure Equalizers (No. 29A and A-102556 Valves) — Removable Edge Sections (No. 1A and 2A or 6A Sections) — Pneumatic Ticket Distributing System — Piece-Part Data and replacement Procedures — Toll Offices	211-154-501	2	Outgoing and 2-Way Intertoll Trunks in the Same Building with No. 5 Crossbar Office — Tests — No. 1, 3C, or 3CL Switchboard
211-139-701	2	Hand Receiving Valve, D-79144 Ticket Retainer, KS-15536, List 5 Sending Valves, D-45228, D-80161, D-87492, and A-101150 — Removable Edge Section, D-6491 — Pneumatic Ticket Distributing System — Requirements and Adjusting Procedures — Toll Offices	211-155-501	1	Two-Way Trunk Circuits SD-25655-01 and SD-25667-01 to MJ Mobile Radio Telephone System — Tests — No. 1, 3, 3C, or 3CL Toll Switchboards
211-139-801	3	Hand Receiving Valve, D-79144 — Ticket Retainer, KS-15536, List 5 Sending Valves, D-45228, D-80161, D-87492, and A-101159 — Pneumatic Ticket Distributing System — Piece-Part Data and Replacement Procedures — Toll Offices	211-156-501	1	Intertoll Trunks — Miscellaneous Tests — No. 1 and 3 Toll Offices
211-140-101	1	Ticket Distributing System — Track Type for Small Toll Switchboards — Description	211-160-501	2	DC Key Pulsing Senders Arranged for Revertive Pulses — Tests using Automatic Test Circuit SD-62059-011 — No. 1 and 3 Toll Switchboards
			211-162-501	1	MF Key Pulsing Senders Arranged to Transmit Revertive Pulses — Tests Using Automatic Test Circuit SD-56097-01 — No. 1, 3, 3C, and 3CL Toll Switchboards
			211-163-501	3	MF Key Pulsing Senders Arranged to Transmit Dial Pulses — Operation Tests using Manual Test Circuit SD-95400-01 — No. 1- and 3-Type Toll Switchboards
			211-165-500	3	DC Key Pulsing Senders Arranged to Transmit Dial Pulses — Operation Tests Using Manual Test Circuit SD-90635-01 — No. 1 and 3 Toll Switchboards
			211-165-501	2	DC Key Pulsing Senders — Operation Tests using Automatic Test Circuit SD-90424-01 — No. 1 and 3 Toll Switchboards
			211-2 NO. 1 TOLL OFFICES AND TOLL SWITCHBOARDS		
			211-201-101	1	Seni-Automatic Testing and Adjusting Circuits — Low Shunt Type per SD-62218-01 and SD-62216-01 — Condenser Type Cord Circuit — Description — No. 1 Toll Offices

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211-202-101	3	Semi-Automatic Testing and Adjusting Circuits — Low Shunt Type per SD-62140-01 or SD-62140-02 and SD-62136-01 — High Impedance Cord Circuits — Description — No. 1 Toll Switchboards	211-218-501	1	Permanent Signal Cord Circuits — Manual Tests — No. 1 Toll Switchboard
211-203-101	3	Manual Testing and Adjusting Circuits — Low Shunt Type Per SD-62148-01 or SD-62148-02 and SD-62145-01 — High Impedance Cord Circuits — Description — No. 1 Toll Switchboards	211-220-501	1	DC Keyset Circuits — Tests Using Test Circuit SD-56344-01 — No. 1 Toll Switchboard
211-210-701	1	Cord Circuit DC Supervisory Relays — Requirements and Adjusting Procedures Using 35-Type Test Set — No. 1 Toll Offices	211-221-501	1	MF Key Pulsing Key Monitoring Circuit — Tests — No. 1 Toll Switchboards
211-211-701	1	Cord Circuit AC Supervisory Relays — Requirements and Adjusting Procedures Using AC Relay and Signaling Test Set J68602AJ — No. 1 Toll Offices	211-222-501	4	MF Keyset Circuit — Output Level 0 DBM Per Frequency — Tests — No. 1 Toll Switchboard
211-212-501	1	Condenser Type Cord Circuits — Manual Tests — No. 1 Toll Offices	211-222-502	1	MF Keyset Circuit — Output Level — 3 DBM Per Frequency — Tests — No. 1 Toll Switchboard
211-212-502	1	Condenser Type Cord Circuits — Semi-Automatic Test Using Test Circuit SD-62218-01 — No. 1 Toll Offices	211-222-503	1	MF Keyset Circuit — Output Level — 8 DBM Per Frequency — Tests — No. 1 Toll Switchboard
211-212-701	1	Supervisory Relays — Condenser Type Cord Circuits — Requirements and Adjusting Procedures Using Manual Adjusting Circuit — No. 1 Toll Offices	211-226-501	3	MF Keyset Circuit — Output Level 0 DBM Per Frequency — Tests — No. 1B Toll Switchboard
211-212-702	1	Supervisory Relays — Condenser Type Cord Circuits — Requirements and Adjusting Procedures Using Semi-Automatic Adjusting Circuit — No. 1 Toll Offices	211-226-502	1	MF Keyset Circuit — Output Level — 3 DBM Per Frequency — Tests — No. 1B Toll Switchboard
211-214-501	4	High Impedance Cord Circuits — Manual Tests using Test Circuit SD-62148-01 or SD-62148-02 — No. 1 Toll Switchboards	211-228-501	3	MF Keyset Circuit — Output Level 0 DBM Per Frequency — Tests — No. 1 Toll Tandem Switchboard
211-214-502	3	High Impedance Cord Circuits — Semi-Automatic Test Using Test Circuit SD-62140-01 or SD-62140-02 — No. 1 Toll Switchboards	211-228-502	1	MF Keyset Circuit — Output Level — 3 DBM Per Frequency — Tests — No. 1 Toll Tandem Switchboard
211-214-701	2	Supervisory Relays — High Impedance Cord Circuits — Requirements and Adjusting Procedures Using Manual Adjusting Circuit Per SD-62145-01 — No. 1 Toll Switchboards	211-230-501	1	Miscellaneous Position Tests — No. 1 Toll Switchboards
211-214-702	2	Supervisory Relays — High Impedance Cord Circuits Using Semi-Automatic Adjusting Circuit Per SD-62136-01 — Requirements and Adjusting Procedures — No. 1 Toll Switchboard	211-231-501	1	Position Dial Circuits Used With Type A Cords — Tests — No. 1 Toll Offices
211-214-703	1	DC Supervisory Relays — High Impedance Cord Circuits Using Semi-Automatic Adjusting Circuits Per SD-64467-01 Requirements and Adjusting Procedures — No. 1 Toll Switchboard	211-232-501	2	Intertoll Dialing — Cord and Position Dial Circuits — Tests — No. 1 Toll Offices
211-216-501	2	High Impedance and Condenser Type Cord Circuits — Manual Tests using Test Sets J68602AJ, 35 Type and Circuit SD-61423-01 — No. 1 Toll Offices	211-233-501	1	Position Coin Control Circuits — Tests — No. 1 Toll Switchboards
211-216-502	3	High Impedance and Condenser Type Cord Circuits — Semi-Automatic Tests Using Test Circuit SD-62140-02 or SD-64468-01 — No. 1 Toll Switchboard	211-234-501	1	Plug, Position, and Trunk Circuits — Operation Tests Using Test Set J64724 — No. 1B Toll Switchboards
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			211-235-501	1	No. 49 and 92 Switchboard Multiple Jacks — Tests Using Position Test Circuit — No. 1 and 1B Toll Switchboards
			211-236-501	1	Supervisor Circuits — Tests — No. 1 Toll Offices
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211-250-501	1	Discriminating Circuits — Tests — Using Test Circuit SD-64759-01 — No. 1B Toll Switchboards	211-307-501	3	MF Keyset Circuits — Output Level 0 DBM Per Frequency — Tests — No. 3, 3C, or 3CL Toll Switchboards
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211-260-501	2	Intertoll Dialing — Intertoll Trunk Circuit Operation Tests From Switchboard Position in No. 1 Toll Offices	211-307-503	2	MF Keyset Circuits — Output Level — 8 dbm Per Frequency — Tests — No. 3, 3C, and 3CL Toll Switchboards
211-261-501	3	Ringdown Intertoll Trunks — Tests — No. 1 Toll Offices	211-307-504	1	MF Keyset Circuits Output Level — 6 DBM Per Frequency Tests No. 3, 3C, and 3CL DSA Switchboards
211-262-501	3	Toll Switching Trunks to Manual Offices — Tests — No. 1 Toll Switchboards	211-312-501	1	Plug and Position Circuits — AC Continuity and Balance Tests Using Position Test Circuit — No. 3B Toll Switchboards
211-263-501	1	Trunks to Community Dial Offices — Operation Tests — No. 1 Toll Switchboards	211-313-501	1	Plug, Position, and Trunk Circuits — Operation Tests Using Test Set J64724 — No. 3B Toll Switchboards
211-264-501	3	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests Using Connector Multiple Test Line SD-31636-01 — No. 1 Toll Switchboards	211-314-501	1	Position and Dial Circuits — Tests Using Position Test Circuit — No. 3CF Toll Switchboards
211-264-502	2	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests — Loop Back Method — No. 1 Toll Switchboards	211-315-501	2	Position, Dial, and DC Keyset Circuits — Tests Using Test Circuit SD-55056-01 — No. 3C and 3CL Toll Switchboards
211-264-503	4	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests With Assistant at Local Office — No. 1 Toll Switchboards	211-315-502	3	Position, Dial, and DC Keyset Circuits — Tests Using Test Circuit SD-61097-01 or SD-61097-02 — No. 3 Toll Switchboards
211-264-504	3	Toll Switching Trunks to Step-by-Step Offices — Miscellaneous Tests — No. 1 Toll Switchboards	211-315-503	3	Position, Dial, and DC Keyset Circuits — Tests Using Test Circuit SD-63971-01 — No. 3 Toll Switchboards
211-265-501	3	Toll Switching Trunks to Panel and Crossbar Offices — Tests — No. 1 Toll Switchboards	211-316-501	1	Position Circuits — Miscellaneous Tests — No. 3B Toll Switchboards
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211-269-501	2	Toll Switching Trunks — Tests Using MF Trunk Test Set SD-55922-01 — No. 1 Toll Switchboards	211-318-501	1	No. 49 and 92 Switchboard Multiple Jacks — Tests Using Position Test Circuit — No. 3B and 3C Toll Switchboards
211-3 NO. 3 TOLL OFFICES AND TOLL SWITCHBOARDS			211-319-101	1	AC Busy and Idle Indicating Lamp Signals — Description — Toll Switchboards
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211-334-101	1	Pad Control Relay Testing Circuit — Description — No. 3 Toll Offices and No. 11 Offices	211-369-501	1	Intertoll Dialing — DC Key Pulsing Intertoll Trunks and Link Circuits — Operation Tests — No. 3 Toll Offices
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211-342-501	1	Discriminating Circuits — Tests Using Test Circuit SD-64759-01 — No. 3B Toll Switchboards	211-403-501	6	Position and Keyset Circuits — Tests Using Position Test Circuit SD-68156-01 — No. 5, 5C, or 5D Switchboard
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211-363-501	1	Trunks to Community Dial Offices — Operation Tests — No. 3, 3C, 3CF, and 3Cl Toll Switchboards	211-5 NO. 6 TOLL SWITCHBOARDS		
211-364-501	4	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests Using Connector Multiple Test Line SD-31636-01 — No. 3, 3C, 3CF, and 3Cl Toll Switchboards	211-501-501	1	High Impedance Cord Circuits — Tests Using Test Circuit SD-55124-01 and Manual Test Circuit SD-62148-01 or SD-62148-02
211-364-502	2	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests — Loop Back Method — No. 3, 3C, and 3CF Toll Switchboards	211-501-502	1	High Impedance and Condenser Type Cord Circuits — Tests Using Test Circuit SD-55124-01 and Semi-Automatic Test Circuit SD-62140-01, SD-62140-02, or SD-64468-01
211-364-503	4	Toll Switching Trunks to Step-by-Step Offices — Operation and Coin Control Tests With or Without Assistant at Local Office — No. 3, 3C, and 3CF Toll Switchboards	211-501-503	1	High Impedance and Condenser Type Cord Circuits — Tests using Test Circuit SD-55124-01 and Voltage Test Set SD-63674-01
Add 211-364-504	1		211-505-501	1	Cord Circuits — Tests using Test Circuit SD-55124-01
211-364-504	2	Toll Switching Trunks to Step-by-Step Offices — Tests — No. 3, 3C, and 3CF Toll Switchboards			
Add 211-365-501	1				
211-365-501	3	Toll Switching Trunks to Panel and Crossbar Offices — Tests — No. 3, 3C, 3CF, and 3Cl Switchboards			

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211-505-502	1	Cord Circuits — Tests using Test Circuit SD-61097-01 or SD-61097-02	212-001	Controlled Maintenance Plan and Equipment Test Lists (ETL)	
211-505-503	1	Cord Circuits — Tests Using Test Circuits SD-63971-01 or SD-55056-01	212-001-011	4	ETL — Decoders and Card Translators
211-507-501	1	Position and Dial Circuits — Tests Using Test Circuit SD-55124-01	212-001-012	13	ETL — Connectors and Links
211-507-502	1	Position, Dial and Keypad Circuits — Tests Using Test Circuit SD-61097-01 or SD-61097-02	212-001-013	17	ETL — Link Controllers and Markers
211-507-503	1	Position, Dial and keypad Circuits — Tests Using Test Circuit SD-63971-01 or SD-55056-01	212-001-014	16	ETL — Senders and Registers — 4A
211-509-501	1	Operator Telephone Circuits — Tests Using Test Circuit SD-55124-01	212-001-015	12	ETL — Senders and Registers — 4M
211-509-502	1	Operator Telephone Circuits — Tests Using Test Circuit SD-61097-01, SD-61097-02, SD-63971-01, or SD-55056-01	212-001-016	16	ETL — Traffic Administration Circuits
211-8 6A TELETYPEWRITER SWITCHBOARD			212-001-017	16	ETL — Intertoll Trunks
[]	211-801-501	2 Operator Training Desk — Operation Test <i>Obsolete</i>	212-001-018	16	ETL — Toll Connecting Trunks
[]	211-802-501	4 Cord and Position Circuit — Operation Test <i>Obsolete</i>	212-001-019	14	ETL — Transmission Trunks
	211-803-501	4 Conference Circuit — Operation Test	212-001-020	10	ETL — Operator Trunks
[]	211-804-501	1 Interposition Trunks — Operation Tests <i>Obsolete</i>	212-001-021	7	ETL — Other Miscellaneous Trunks
	211-805-501	2 Incoming Trunks — Test	212-001-022	5	ETL — Announcement Trunks
	211-806-501	1 Outgoing Trunks — Operation Test	212-001-023	7	ETL — CAMA Equipment
	211-807-501	1 Position Monitoring Circuit — Tests	212-001-024	7	ETL — ETS and SPC
[]	211-808-501	3 Supervisor or Service Assistant Desk — Tests <i>Obsolete</i>	212-001-025	7	ETL — Test and Miscellaneous Frames
DIVISION 212 — NO. 4A AND 4M TOLL SWITCHING SYSTEMS			212-001-026	4	ETL — Miscellaneous Fuse Alarms
212-0 Indexes, Administrative, and General Information			212-1 DECODERS, MARKERS, TRANSLATORS, AND ASSOCIATED EQUIPMENT		
-1 Decoders, Markers, Translators, and Associated Equipment			212-100 General System Information		
-100 General System Information			212-100-000	1	General Description
-2 Senders, Registers, and Associated Equipment			212-100-001	1	General Description — Centralized Automatic Message Accounting (CAMA)
-3 Connectors, Links, Controllers, Alarms, and Plant and Traffic Registers			212-100-003	2	Improved 800 INWATS Service in 4A Toll Switching System Having Common Channel Interoffice Signaling — Description and Method of Operation
-4 Dynamic Load Control Equipment			212-100-004	1	Message Routing Through Stored Program Control — Signal Transfer Point Offices
-5 Trunks and Trunk Testing Equipment			♥ 212-100-005	1	Introduction
-7 CAMA			212-100-006	1	Common Channel Interoffice Signaling Pass Along Feature — Description and Operation
-8 Electronic Translator			♥ 212-100-015	1	Electromechanical — Card Translator System — Description
212-0 INDEXES, ADMINISTRATIVE, AND GENERAL INFORMATION			♥ 212-100-020	1	Electronic Translator System — General Description
•	♣ 212-000-000	82 Numerical Index — Division 212 — No. 4A and 4M Toll Switching Systems	♥ 212-100-025	1	Electronic Translator System — Peripheral Bus Computer — Description
			♥ 212-100-030	1	Electronic Translator System — Common Channel Interoffice Signaling

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212-101-010	2	Taking Equipment Out of Service — Major Units of Equipment	212-203-501	6	Sender Attachment Delay Recorder — Test
212-101-020	4	Trouble Recorder Frame — Description — No. 4A and 4M Toll Switching Systems	212-204-501	5	Sender Traffic Control Circuit SD-68455-01 — Tests
212-101-501	7	Decoder-Marker Test and Trouble Recorder Circuit — Transverter Group Trouble Recorder Connector Circuit — Tests	212-205-101	4	Sender Make-Busy Frame — Description — No. 4A Toll Switching Offices
212-103-501	9	Marker — Tests Using the Decoder-Marker Test and Trouble Recorder Circuit — Not Having Common Channel Interoffice Signaling	212-210-101	2	Incoming Sender Test Frame — Description — No. 4A Toll Switching Offices
212-103-502	12	Marker — Miscellaneous Test	212-210-501	5	Incoming Sender Test Frame — SD-68226-01 — Tests
212-103-503	3	Marker — Test Using the Decode-Marker Test and Trouble Recorder Circuit — Common Channel Interoffice Signaling	Add 212-212-501	2	
212-106-501	5	Frame Identification Frequency Supply Test Set SD-68190-01 — Tests	212-212-501	6	Incoming Senders and Multifrequency Receivers — Tests Using Automatic Sender Test Frame SD-68226-01 — No. 4A Toll Switching System
212-107-501	5	Frame Identification Frequency Supply Circuit, SD-68119-01 — Tests	212-212-502	6	Incoming Senders and Multifrequency Receivers — Tests Using Automatic Sender Test Frame SD-68226-01 — No. 4M Toll Switching System
Add 212-107-502	1		212-214-101	2	Incoming Sender and Register Test Frame — Description
212-107-502	2	Frame Identification Frequency Supply Circuit SD-68119-01 — Miscellaneous Tests	212-214-301	3	Automated Incoming Sender Register Test Frame SD-68491-01 — Method of Operation and Trouble Analysis Procedures in a 4A Toll Switching System
212-108-501	3	Frame Identification Detectors of Markers SD-68388-01 — Tests	212-214-501	6	Incoming Sender and Register Test Frame SD-68491-01 — Tests
Add 212-109-501	1		212-214-502	2	Automated Incoming Sender and Register Test Frame — SD-68491-01 Self-Check Tests in the 4A Toll Switching System
212-109-501	6	Frame Identification Frequency Supply and Control Circuit SD-68963-01 — Miscellaneous Tests	Add 212-216-501	1	
212-110-501	1	480-Hz Test Tone	212-216-501	8	Incoming and CAMA Senders Tests Using the Nonautomated Incoming Sender and Register Test Frame SD-68491-01
212-112-501	1	Common Channel Interoffice Signaling Transceiver — Trouble-Locating Procedures	212-216-502	1	Incoming Senders, Sender Outputers, Outputers, Tests Using the Automated Incoming Sender and Register Test Frame SD-68491-01
Add 212-115-501	1		212-217-501	6	Incoming Dial Pulse Register — Tests — Using Nonautomated and/or Automated Incoming Sender and Register Test Frame SD-68491-01
212-115-501	5	Decoder — Tests Using the Decoder Marker Test and Trouble Recorder Circuit	212-218-101	2	Outgoing Sender Test Frame — Description — No. 4A Toll Switching Offices
Add 212-115-502	1		212-218-501	3	Outgoing Revertive and PCI Sender Test Frame SD-68372-01 — Tests — No. 4A Toll Switching System
212-115-502	6	Decoders — Miscellaneous Tests	212-220-501	3	Outgoing Senders — Tests Using Automatic Outgoing Sender Test Frame — No. 4A Toll Switching System
212-120-101	1	1-Type Translator (Card Translator) — Description — No. 4 Type Switching System	212-222-501	2	Outgoing Sender Test Frame SD-68075-01 — Tests — No. 4M Toll Switching System
Add 212-120-301	2		212-224-501	4	Outgoing Senders — Tests Using Sender Test Circuit SD-68075-01 — No. 4M Toll Switching Systems
212-120-301	5	Translator Card Template — Preparation			
Add 212-120-501	2				
212-120-501	4	Card Translator — Tests Using Card Translator Test Set SD-68458-01 (J67453A)			
Add 212-120-502	1				
212-120-502	5	Card Translator — Tests — Using Trouble Recorder Frame			
212-2 SENDERS, REGISTERS, AND ASSOCIATED EQUIPMENT					
212-201-301	4	Method of Tracing Stuck Sender Connections			
212-202-301	2	Supplementary Procedure for Detecting Trouble Beyond the Toll Switching Trunk			

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Add 212-226-501	1		212-301-310	1	Automatic Trouble Analysis — Trouble Reference Guide — Recorder Troubles for 4A Toll Switching Systems
212-226-501	2	Overseas Sender SD-68551-01 — Tests Using Automatic Sender Test Frame SD-68226-01	212-301-501	9	Decoder Connectors — Tests
Add 212-226-502	1		Add 212-303-501	1	
212-226-502	3	Overseas Sender — Tests — Using Automatic Incoming Sender and Register — Test Frame SD-68491-01	212-303-501	8	Marker Connectors — Tests
212-228-101	1	Common Channel Interoffice Signaling — Sender Sender/Outputser, or Outputser, SD-68575-01 — Description — No. 4A Toll Switching System	212-305-501	3	Translator Connectors — Tests
212-3 CONNECTORS, LINKS, CONTROLLERS, ALARMS, AND PLANT AND TRAFFIC REGISTERS			212-307-501	7	Manual Test of Trunk Block Connector
212-301-300	1	Automatic Trouble Analysis — Trouble Reference Guide — Schematic Drawing Issue Index for 4A Toll Switching System With Common Channel Interoffice Signaling	212-309-501	9	Controller Connectors — Tests
212-301-301	2	Automatic Trouble Analysis — Trouble Reference Guide — Application and Use Index for 4A Toll Switching System With Common Channel Interoffice Signaling	212-311-501	9	Link Controller — Tests
212-301-302	1	Automatic Trouble Analysis — Trouble Reference Guide — Decoder Channel Troubles for 4A Toll Switching Systems With Common Channel Interoffice Signaling	212-311-502	1	Outputser Link Controller — Miscellaneous Tests Using Outputser Link Controller — Test Circuit SD-68728-01
212-301-303	1	Automatic Trouble Analysis — Trouble Reference Guide — Stored Program Control Troubles for 4A Toll Switching System With Common Channel Interoffice Signaling	212-311-503	2	Outputser Link Controller — Test Frame SD-68728-01 — Tests
212-301-304	1	Automatic Trouble Analysis — Trouble Reference Guide — Decoder Channel Linked to Marker Troubles for 4A Toll Switching System With Common Channel Interoffice Signaling	212-313-501	6	Sender Link and Connector Circuits — Tests
212-301-305	1	Automatic Trouble Analysis — Trouble Reference Guide — Marker Troubles for 4A Toll Switching System With Common Channel Interoffice Signaling	212-313-502	1	Outputser Link Circuit SD-68700-01 — Tests — No. 4A Toll Switching System
212-301-306	1	Automatic Trouble Analysis — Trouble Reference Guide — Sender Link Controller Troubles — 4A Toll Switching Systems With Common Channel Interoffice Signaling	Add 212-315-501	1	
212-301-307	1	Automatic Trouble Analysis — Trouble Reference Guide — Outputser Link Controller Troubles for 4A Toll Switching Systems With Common Channel Interoffice Signaling	212-315-501	11	Incoming Link and Connector — SD-68393-01 and SD-68020-01 Tests
212-301-308	1	Automatic Trouble Analysis — Trouble Reference Guide — Register Link Alarm Troubles for 4A Toll Switching Systems With Common Channel Interoffice Signaling	212-315-502	2	Incoming Link and Connector SD-68643-01 — Tests
212-301-309	1	Automatic Trouble Analysis — Trouble Reference Guide — Transverter and Transverter Linked to Recorder Troubles for 4A Toll Switching Systems With Common Channel Interoffice Signaling	212-317-501	10	Outgoing Link and Connector SD-68022-01 and SD-68394-01 — Tests
			212-317-502	3	Outgoing Link and Connector SD-68644-01 — Tests
			212-319-501	4	Incoming Register Link — Miscellaneous Tests
			212-321-301	2	Auxiliary Recording Control — Method of Operation
			Add 212-321-501	1	
			212-321-501	3	Auxiliary Recording Control Circuit — Tests
			212-330-101	2	Software Carrier Group Alarm — Description and Operation — No. 4A Toll Switching System
			212-330-301	4	Fuse Alarm Procedure
			212-330-501	10	Fuse Alarms — Tests
			212-335-501	4	Interrupter Frames — Motor Stop and Low-Voltage Alarms — Tests
			212-340-501	7	Traffic Registers — Tests
			212-342-501	8	Plant Registers — Tests
			212-4 DYNAMIC LOAD CONTROL EQUIPMENT		
			212-401-101	1	Noncoincident Busy Hour Routing — Description and Operation

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212-401-501	6	Traffic Control Circuit — Tests	212-512-302	3	Automatic Outgoing Trunk Test Frame SD-68580-01 — Control Tape Preparation
212-403-501	5	Queue Indicator — Tests	212-512-501	4	Automatic Outgoing Trunk Test Circuit SD-68580-01 — Tests
★ 212-409-501	3	Network Control Circuit SD-68604-01 — Tests	212-512-502	4	Teletypewriter Test and Control Circuit SD-68584-01 for AOTT or AOOT Test Frames — Tests
212-5 TRUNKS AND TRUNK TESTING EQUIPMENT					
212-500-010	1	Equipment and Trunk Record Cards	212-512-701	1	Automatic Outgoing Trunk Test — Circuit SD-68580-01 — Built-Out Resistor Assembly Adjustment
212-501-101	2	Test and Make-Busy Jack Bay — SD-68203-01 — Description	212-513-501	5	CAMA Incoming Trunk Test Circuit — Tests
212-501-102	2	Busy Line Verification — Description and Operation	212-513-502	1	Signaling Analysis Connector Frame SD-68768-01 — Tests
212-501-301	1	Voltmeter and Outgoing Trunk to CAMA Positions Test and Miscellaneous Circuit SD-68697-01 for Test and Make-Busy Jack Bay — Method of Operation	212-514-101	3	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Description
212-501-502	1	Busy Line Verification Network — Trunk Tests — Using Intertoll or Integrated Manual Test Frame SD-99604-01 or Manual Test Frame SD-68587-01 — No. 4A Toll Switching System	212-514-105	2	Common Control Interoffice Signaling — Intraoffice Trunk Test Frame SD-68744-01 — Description
212-502-501	3	Plug-In Toll Switching Trunk Circuits Tests — Using Trunk Test Set SD-68597-01	212-514-301	3	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Compiling Data for Control Card Preparation
212-503-101	3	Automatic Transmission Test and Control Circuit (ATTC) — Description	212-514-302	3	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Control Card Preparation
212-503-501	6	Automatic Transmission Test and Control Circuit SD-68446-01 and Associated Amplifiers and Amplifier-Rectifier — Tests and Adjustments	212-514-303	2	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Arrangement of Input Control Card Deck
212-505-101	3	Automatic Outgoing Intertoll Trunk — Test Circuit (AOIT) and Associated Teletypewriter — Description	Add 212-514-501	1	
212-505-301	2	Automatic Outgoing Intertoll — Trunk Test Frame — Cross Connections	212-514-501	3	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Tests
212-505-501	4	Automatic Outgoing Intertoll Trunk Test Frame — Tests	212-514-502	2	Automatically Directed Outgoing Intertoll Trunk Test Frame SD-68588-01 — Tests of IBM 870 Document Writing System
212-507-501	7	Automatic Outgoing Toll — Connecting Trunk Test Circuits — SD-68373-01 and SD-68076-01	212-514-504	2	Common Channel Interoffice Signaling — Intraoffice Test Frame SD-68744-01 Tests in a 4A Toll Switching System
212-509-301	2	Automatic Outgoing Toll Connecting Trunk Test Frame SD-68076-01 — Cross Connections — No. 4M Toll Switching System	212-514-505	1	Common Channel Interoffice Signaling Trunk Tests Using CCIS Intraoffice Trunk Test Frame in No. 4A Toll Switching System
212-511-101	3	Automatic Outgoing Toll Connecting Trunk Test and Connector Frames — Description — No. 4A Toll Switching Offices	212-514-701	3	Automatically Directed Outgoing Intertoll Trunk Test Circuit SD-68588-01 — Built-Out Resistor Assembly Adjustment
212-511-301	2	Automatic Outgoing Toll Connecting Trunk Test Frame SD-68373-01 — Cross Connections	212-516-501	1	Data Converter Interim Test Circuit — SD-71062-01 — Tests
212-512-101	4	Automatic Outgoing Trunk Test Frame SD-68580-01 — Description	212-517-101	4	Manual Test Frame SD-68587-01 Description
212-512-301	3	Automatic Outgoing Trunk Test Frame SD-68580-01 — Compiling Data for Control Tapes	212-517-501	3	Manual Test Frame — Circuit SD-68587-01 — Tests
			212-517-701	2	Manual Test Frame SD-68587-01 — Amplifier Adjustment and Compensation for Access Loss

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212-518-101	2	Miniature Printed Wiring Board — Plug-In Trunk Frame SD-68755-01 — Description — No. 4A Toll Switching System	212-564-503	1	Outgoing Toll Connecting Trunks — Manual Transmission Tests Using Automatic Outgoing Toll Connecting Trunk Test Circuit SD-68076-01, SD-68373-01 or SD-68580-01
212-522-501	4	Outgoing Trunk Identification Circuit — Tests	212-564-504	2	Message Timing and Register Circuit — Frame for INWATS Trunks — SD-68763-01 — Tests
212-524-501	1	Comp-On Circuit — Miscellaneous Tests	212-565-501	2	Outgoing Toll Tandem Trunks — to Toll Tandem Switchboards — Tests Using Test Circuit SD-68359-01
212-528-501	8	Announcement Connecting Trunks — Tests — Using Test Circuit SD-68076-01, SD-68373-01, SD-68580-01 — Manual Test Frame SD-68587-01, and Integrated Manual Test Frame SD-99604-01	212-566-501	7	Toll Switching, TX, and Miscellaneous Outgoing Trunks Arranged for MFP, RP, DP, CI, or CA Operation — Tests Using Test Circuit SD-68076-01 or SD-68373-01
212-528-502	1	Group Busy Chain Relay Circuits and Directional Reservation Circuits — Tests	Add 212-566-502	1	
212-530-501	7	Incoming (One-Way) Intertoll Trunk Circuit — Tests — Using Test Circuit SD-68359-01	212-566-502	5	Toll Switching, TX, and Miscellaneous Outgoing Trunks Arranged for Manual or Straightforward Operation — Tests Using Test Circuit SD-68076-01 or SD-68373-01
212-530-502	2	Incoming (One-Way) Intertoll Plug-In Trunk Circuit SD-68626-01 — Tests — Using Test Circuit SD-68359-01 and SD-68755-01	212-566-503	2	Sequential Non-Tape Controlled — Operational and Transmission — Tests of Outgoing Trunks Using Test Circuit SD-68580-01
212-534-501	9	Incoming Toll Tandem Trunk Circuits — Test Using Test Circuit SD-68359-01	212-566-504	2	Tape — Controlled Transmission and Operational Tests of Outgoing Toll Switching Trunks Using Test Circuit SD-68580-01
212-534-502	2	Incoming Toll Tandem Plug-In Trunk Circuit — Tests — Using Test Circuit SD-68359-01 and SD-68755-01	Add 212-566-505	1	
212-536-501	2	Incoming Trunks to No. 5 Toll Switchboard From Toll Switchboards — Test Using Test Circuit SD-68359-01	212-566-505	1	Miscellaneous Manual — Operational Tests of Outgoing Trunks Using Trunk Test Circuit SD-68580-01
212-560-501	7	Outgoing (One-Way) Intertoll Trunk Circuit — Tests — Using Test Circuit SD-68359-01	212-566-506	1	Outgoing Toll Switching or Metallic Intertoll Plug-In Trunk Circuit SD-68623-01 — Tests — Using Test Circuit SD-68359-01 and SD-68755-01 — No. 4A Toll Switching System
212-560-502	2	Outgoing (One-Way) Intertoll Plug-In Trunk Circuit — Tests — Using Test Circuit SD-68359-01 and SD-68755-01	Add 212-567-501	1	
212-562-501	3	Automatic Operational and Transmission Tests of Intertoll Trunks Using Automatic Outgoing Intertoll Trunk (AOIT) SD-68404-01 and the Automatic Transmission Test and Control Circuit (ATTCC) SD-68446-01	212-567-501	1	Toll Switching Trunks — Operational Tests — Using Manual Test Frame SD-68587-01
212-563-501	2	Outgoing, 2-Way Intertoll and Common Channel Interoffice Signaling Trunks Using ADOIT SD-68588-01	212-567-502	2	Toll Switching Trunks — Transmission Tests Using Manual Test Frame SD-68587-01
212-563-502	2	Outgoing, 2-Way Intertoll and Common Channel Interoffice Signaling Trunks Using ADOIT SD-68588-01 With EM-D2 NCR Card Reader	212-567-503	2	Toll Switching Trunks — Miscellaneous Tests and Features Using Manual Test Frame SD-68587-01
212-564-501	3	Toll Connecting Trunks — Manual Transmission Tests Using Trunk Test Circuit SD-68076-01 or SD-68373-01 and Test Trunk Circuit SD-68547-01	Add 212-568-501	1	
212-564-502	2	Toll Connecting Trunks — Manual Transmission Tests Using Trunk Test Circuit SD-68580-01 and Test Trunk Circuit SD-68547-01	212-568-501	2	Outgoing Trunk From No. 5 Toll Switchboard — Appearing on Incoming Link and Connector Frames — Tests Using Test Circuit SD-68359-01
			212-569-501	1	Outgoing Trunks From No. 5 Toll Switchboards (Not Appearing on Incoming Link Frames) — to Toll Tandem and Toll Switchboards — Tests Using Test Circuit SD-68359-01
			212-570-101	4	Intertoll or Integrated Manual Test Frame SD-99604-01 — Description — No. 4A Toll Switching System

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212-570-102	1	Outgoing Trunk Test Connector Frame SD-68748-01 — Description	212-585-501	3	Data Converter Circuit — SD-71050-01 — Tests Using Interim Test Circuit SD-71062-01
212-570-103	2	Test Trunk and VF Link Jack Circuit SD-1C600-01 — Used With the Integrated Manual Test Frame — Description and Method of Operation — No. 4A Toll Switching System	212-587-101	2	CCIS Printed Wiring Board — Plug-In Trunk Frame — SD-68759-01 — Description
212-570-501	2	Intertoll or Integrated Manual Test Frame SD-99604-01 — Tests	212-587-301	3	Procedures for Adding, Removing, or Reassigning Common Channel Interoffice Signaling Trunks — No. 4A Toll Switching System
212-570-701	3	Intertoll or Integrated Manual — Test Frame SD-99604-01 Amplifier — Adjustment and Compensation for Access Loss — No. 4A Toll Switching System	212-587-302	2	Test Panel in Printed Wiring Board Plug-In Trunk Frame SD-68759-01 — Method of Operation — No. 4A Toll Switching System
212-571-501	2	Intertoll Trunks — Operational Tests Using Intertoll or Integrated Manual Test Frame SD-99604-01 — No. 4A Toll Switching System	212-587-303	3	Conversion of Conventional E&M Trunks to Common Channel Interoffice Signaling Trunks in a No. 4A Toll Switching System
212-571-502	2	Intertoll Trunks — Transmission Tests Using Intertoll or Integrated Manual Test Frame SD-99604-01	212-587-304	2	Common Channel Interoffice Signaling — Trunk Maintenance Procedures — 4A Toll Switching System
212-571-503	4	Intertoll Trunks Miscellaneous Tests and Features Using the Intertoll or Integrated MTF SD-99604-01 in the No. 4A Toll Switching System	212-7 CAMA		
212-571-504	3	Toll Switching Trunks — Operational Tests — Using Integrated Manual Test Frame SD-99604-01	212-700-010	1	Cross-Connection Forms — CAMA Equipment
212-571-505	3	Toll Switching Trunks — Transmission Tests — Using Integrated Manual Test Frame SD-99604-01	212-703-501	1	CAMA Line Observing Number Matching — Miscellaneous Tests
212-571-506	3	Toll Completing Trunks — Miscellaneous Tests and Features Using the Integrated MTF SD-99604-01	212-710-501	1	CAMA Switchboard Suspension — Tests
212-571-507	3	Common Channel Interoffice Signaling Trunk Tests Using the Integrated Manual Test Frame SD-99604-01 in a 4A Toll Switching System	212-711-501	2	CAMA Position Circuit Tests Using the Nonautomated and/or Automated Incoming Sender and Register Test Frame SD-68491-01
212-572-101	1	Trunk Status Display System Associated With the Intertoll or Integrated Manual Test Frame — Description and Operation	212-712-501	2	CAMA Position Link Tests Using Nonautomated and/or Automated Incoming Sender and Register Test Frame, SD-68491-01
212-572-501	2	Trunk Status Display System Associated With the Intertoll or Integrated Manual Test Frame — Tests	212-712-502	2	CAMA Position Link and Controller — Miscellaneous Tests
212-580-501	7	Two-Way Intertoll Trunk Circuit — Tests Using Test Circuit SD-68359-01	Add 212-712-503	1	
212-580-502	2	Two-Way Intertoll Plug-In Trunk Circuit — Tests — Using Test Circuit SD-68359-01 and SD-68755-01	212-712-503	1	CAMA Transfer Trunks — Transmission Tests to a TSPS
212-582-501	4	2-Way Overseas Trunk, Circuit and Associated Assistance Trunk Circuits — Tests Using Test Set Circuit SD-68359-01	212-713-502	5	CAMA Calls Waiting Signal Circuit and CAMA 2-Way Signaling Circuit — Manual Tests
212-583-501	1	Overseas Operator Bridged Access Intraoffice Trunk Circuit SD-68706-61 — Tests — Using Trunk Test Set Circuit SD-68359-01	212-720-301	2	Master Timing Circuit SD-25633-01 — Taking Equipment Out of Service
			212-720-302	4	Master Timing Circuit SD-25633-01 — Methods of Handling Alarms
			212-720-303	2	Master Timing Circuit SD-25633-01 — Daylight Saving Time and Leap Year Changes
			212-720-501	7	Master Timing Circuit SD-25633-01 — Test
			Add 212-730-501	1	
			212-730-501	4	CAMA Sender Link and Connector Circuit — Tests

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212-735-501	5	Transverter — Tests Using the Nonautomated and/or Automated Incoming Sender and Register Test Frame SD-68491-01	212-805-501	8	Alarm and Display Circuit — Tests
Add 212-735-502	1		212-806-501	4	Decoder Channel — Tests Using the Decoder-Marker — Test and Trouble Recorder Circuit — Miscellaneous Tests
212-735-502	2	Transverter — Miscellaneous Tests	212-806-502	3	Decoder Channel — Tests Using the Decoder-Marker — Test and Trouble Recorder Circuit — Miscellaneous Tests — No. 4A Toll Switching System — Having Common Channel Interoffice Signaling
212-736-501	2	Trunk Class Translator Circuit — Tests	212-807-102	1	Terminal and Terminal Access Circuit Fault Recognition — Description in the No. 4A Toll Switching System
Add 212-737-501	1		212-807-502	4	Voice Frequency Link and Access Circuit Tests in a 4A Toll Switching System Using the Integrated Manual Test Frame
212-737-501	2	Transverter Connector	212-808-101	2	Central Pulse Distributor Applique — SD-68608-01 — Description
212-740-501	5	Recorder and Recorder Connector Circuit — Tests	★ 212-810-101	2	Call Processing — Description
212-745-501	2	Billing Indexer — Tests Using Automatic Incoming Sender and Register Test Frame SD-68491-01	212-810-102	3	Common Channel Interoffice Signaling — Call Processing Within the No. 4A Toll Switching System
212-745-502	4	Billing Indexer — Miscellaneous Tests	★ 212-812-301	1	Traffic Order Translation and Office Change Preparation — 4A/4M Toll Offices Equipped With Electronic Translators
212-750-501	4	Call Identity Indexer Circuit SD-25621-01 — Tests	212-812-302	3	Change Message Teletypewriter Tape Preparation
212-760-501	5	CAMA Incoming Trunks — Tests Using CAMA Incoming Trunk Test Circuit	212-812-303	1	Change Message Magnetic Tape Preparation
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212-801-101	2	Peripheral Scanner — Description	212-816-502	2	Common Channel Interoffice Signaling — Routing Data Verification — No. 4A
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Add 212-802-301	1		★ 212-820-302	3	Recovery From Catastrophic Troubles Using Dead Start Procedures — No. 4A Toll Switching System
212-802-301	4	Electric Translator System and Store Program Control — Out of Service and Power Removal Procedures	212-820-304	2	Emergency Recovery Flowchart — 4A Toll Switching System
212-803-101	1	Distributor Register — General Description	212-822-101	2	Traffic Data Transmitter Circuit — Description
212-803-502	5	Distributor Register SD-68605-01 — Tests	★ 212-822-301	2	Traffic Measurement
212-804-101	2	Common Channel Interoffice Signaling — Distributor and Scanner Frame — Description — No. 4A Toll Switching System	212-822-302	2	Point Network Control Point — 800 Service Data Base Measurements, Reports, and Data Base Updating
212-804-102	1	Distribution and Scanner Circuit Fault Recovery — Description in the No. 4A Toll Switching System	212-822-501	1	Traffic Data Transmitter — Tests
212-804-501	1	Distributor and Scanner Frame SD-68747-01 Test — No. 4A Toll Switching System			
212-804-701	1	Distributor and Scanner Matrix Repair Procedure for Common Channel Interoffice Signaling in the No. 4A Toll Switching System			
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212-826-301	4	System Evaluation Procedures — With Electronic Translator System	212-840-106	4	Peripheral Bus Computer — Used in a Common Channel Interoffice Signaling Switching Office — Description
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212-826-303	4	System Evaluation Procedures — Common Channel Interoffice Signaling — Electronic Translator System/Signal Transfer Point and Stored Program Control/Signal Transfer Point	212-840-108	3	Maintenance Reports From Peripheral Bus Computer — No. 4A/4M Toll Switching System — Description
212-826-304	1	Common Channel Interoffice Signaling — Network Routing Description and Tests	212-840-109	2	Peripheral Bus Computer — Dial-Up Data Port — Description
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★ 212-827-102	2	General Growth Description — 4A Toll Switching Offices Converted to Common Channel Interoffice Signaling	212-840-302	5	Peripheral Bus Computer — System Evaluation
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★ 212-827-301	1	Procedures for Changing Data Tables Via Recent Changes for Electronic and Electro-mechanical Growth	212-840-304	3	Peripheral Bus Computer — Plant Analysis Support System for ETS and CCIS/STP Offices
212-827-302	2	Procedures for Converting a 4A Electronic Translator Office to a Common Channel Interoffice Signaling Switching Office	212-840-305	6	Peripheral Bus Computer System — Loading and Tape Dump Procedures
212-827-303	2	Procedure for Converting a 4A ETS/STP Office to a CCIS — Stored Program Control/Signal Transfer Point Office	212-840-306	3	Common Channel Interoffice Signaling — Memory Change Procedures in the 4A Toll Switching System
212-827-304	1	Signal Transfer Point — Conversion — No. 4A Electronic Translator CCIS Office — To Stored Program Control (SPC) CCIS Office	212-840-307	4	Peripheral Bus Computer — Plant Analysis Support System for a Common Channel Interoffice Signaling Switching Office
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212-830-302	1	Use of the ETS Channel 10 Teletypewriter for DEC® Diagnostic Programs on the PBC	212-840-309	2	Audits and Route Verification of the Non-CCIS Data Base Resident in the No. 4A and 4M Toll Switching System and Peripheral Bus Computer
212-840-101	6	Peripheral Bus Computer — Used in an Office Equipped for Electronic Translator System or Signal Transfer Point Operation — Description	212-840-310	2	Peripheral Bus Computer — Error Logging System — Description and Operation
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212-840-103	3	Traffic Data Converter and Access Circuit Used With the Peripheral Bus Computer — Description	212-840-501	3	Peripheral Bus Computer — Trouble Locating Tests
212-840-104	1	Distributor, Scanner, and Bus Converter Access Circuit Used With the Peripheral Bus Computer — Description	Add 212-840-504	1	Ineffective Attempt and Sender Retrial Sender Progress — Test Procedures — ETS Peripheral Bus Computer Office
			212-840-504	1	Ineffective Attempt and Sender Retrial Sender Progress — Test Procedures — ETS Peripheral Bus Computer Office

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☐ 212-841-101	1	Common Channel Interoffice Signaling — Signal Transfer Point — 3B Feature Processor — Description and Operation <i>Info now in 256-100-100</i>	216-210-502	5	Line Choice Connector Circuits — Tests
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216-407-301	1	District Link Frame	216-513-301	1	Coin Control Circuit — Time Alarm Routine
216-409-301	1	District Coin Control Circuit — Coin Control Link and Control Frame — Key Pulsing "A" Sender Link and Control Frame	216-514-301	1	Subscribers Sender — Load Alarm Routine
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216-667-302	1	Crossed Number Group RF or TF Terminal	216-717-301	3	Terminating Marker — Cross-Connections
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218-161-305	1	FSP Transmitter-Receiver Test Circuit — SD-99317-01 — Locating Trouble	218-175-501	4	Trunk Control Circuit SD-94810-01 — Tests Using Master Test Frame — Arranged for AMA Magnetic Tape Recording
218-161-503	2	Frequency Shift Pulsing Outgoing Senders SD-27624-01 — Tests Using Sender Test Set SD-25674-01 (J24756A)	218-176-501	4	Call Identity Indexer SD-94809-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices — Arranged for AMA Magnetic Tape Recording
218-161-603	1	Frequency Shift Pulsing Outgoing Registers — Tests Using Test Set SD-25676-01 (J24756B)	218-178-501	8	CAMA Transverter SD-26010-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices
218-165-301	8	Number Group Frame — Nonwire-Spring-Relay Type — Cross Connections and Associated Cross Connections at the Main Distributing Frame — No. 5 Crossbar Offices	218-178-503	3	Transverter SD-26010-01 — Miscellaneous Tests
218-165-302	1	Number Group and Connector Frame — Alarm Routine	218-179-501	3	CAMA Transverter Connectors SD-26011-01 — Tests
218-165-303	2	Number Group and Connector Frame — Taking Equipment Out of Service	218-180-501	6	CAMA Sender SD-26056-01 — Tests Using Test Set SD-25676-01 (J24756B) — No. 5 Crossbar Offices
218-165-304	4	Number Group Frame — Nonwire-Spring-Relay Type — Cross-Connection Methods	218-181-501	5	CAMA Billing Indexer SD-26012-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices
Add 218-165-501	1		218-182-501	5	CAMA Position Link Circuit SD-26047-01 — Tests
218-165-501	5	Number Group and Connector Circuit — Nonwire-Spring-Relay Type — Tests	218-183-501	4	CAMA Junctor Circuit SD-26102-01 — Tests Using Trunk Test Circuit SD-25918-01
Add 218-165-503	1		218-184-501	4	CAMA Incoming Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01
218-165-503	4	Number Group Circuits — Wire-Spring-Relay Type — Tests	218-185-501	2	CAMA Intermarker Group Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01
218-170-501	6	Translator Circuits SD-25754-01 and SD-26019-01 — Tests Using Master Test Frame — Arranged for LAMA, ANI, or CDT	218-186-501	3	CAMA Suspension Circuit SD-26017-01 — Tests
Add 218-170-502	1		218-187-501	2	Peg Count Registers for CAMA Initial Entries — Tests Using Master Test Frame
218-170-502	4	Translator SD-99319-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices — Arranged for AIOD	218-188-501	3	CAMA Calls Waiting Signal Circuit — Tests
Add 218-171-501	1		218-189-501	1	CAMA Line Observing Number Matching Circuit — Tests
218-171-501	1	Direct Access Pretranslator Connector Circuit SD-27801-01 — Tests Using Master Test Frame	Add 218-192-501	2	
Add 218-172-501	1		218-192-501	4	ANI Transverter SD-26161-01 — Tests Using Master Test Frame
218-172-501	13	LAMA Transverter SD-25591-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices	218-198-501	3	Call Identity Indexer Circuit SD-25621-01 — Tests Using Master Test Frame
218-172-503	9	LAMA Transverter SD-25591-01 — Miscellaneous Tests — No. 5 Crossbar Offices			

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218-198-502	2	Call Identity Indexer SD-25621-01 — Tests Using Master Test Frame — No. 5 Crossbar Offices — Arranged for AMA Magnetic Tape Recording	Add 218-220-701	1	
			218-220-701	4	Automatic Progression Trunk Test Circuit SD-25938-01 — Build-Out Resistor Assembly Adjustment
218-201-501	6	Coin Supervisory and Coin Supervisory Concentrating Circuits — Tests Using Trunk Test Circuit SD-25918-01	218-224-501	1	Auxiliary Line Circuit SD-99484-01 for Off-Net Access Service — Tests Using Trunk Test Circuit SD-25918-01
218-202-501	4	Coin Supervisory Release Circuit SD-25859-01 — Tests Using Master Test Frame	218-225-501	4	Emergency Line Circuits — Tests
218-203-301	2	Coin Supervisory Link Frame — Cross-Connections	218-226-501	2	Emergency Transfer Circuit — Dial to Manual Service — Tests
218-203-302	1	Coin Supervisory Link Frames — Taking Equipment Out of Service	218-227-501	8	Auxiliary Line and Line Auxiliary Circuits Serving One Office — Tests Using Master Test Frame — No. 5 Crossbar Offices
218-203-501	4	Coin Supervisory Link Circuits — Nonwire-Spring-Relay Type — Tests	218-227-502	2	Auxiliary Line Circuits Serving More Than One Office in the Same Building — Tests
218-209-501	2	Dial Coin Zone Concentrators — Tests	218-228-501	1	Auxiliary Line and Allotter Circuit — Wide Area Data Service — Tests
218-216-501	7	Master Test Frame Connector SD-25805-01 — Preference and Lockout Chains — Tests — No. 5 Crossbar Offices	218-229-501	1	Dial Long Line Circuits — Coin — Wire-Spring-Relay Type — Tests
218-216-502	4	Master Test Frame Connector SD-27718-01 — Preference and Lockout Chains — Tests — No. 5 Crossbar Offices	218-230-501	2	Dial Long Line Circuits — 2-Party Message Rate — Wire-Spring-Relay Type — Tests Using Master Test Frame
218-217-301	3	Monitor Amplifiers of the Automatic Monitor, Register and Sender Test Circuit — Operating Methods	218-231-501	3	Station Ringer Test Circuits SD-25861-01, SD-25927-01, and SD-26109-01 — Tests Using Trunk Test Circuit SD-25918-01
218-217-701	3	Touch-Tone Oscillators Used in Automatic Monitor, Register, and Sender Test Circuit SD-25680-01 — Adjustment	218-232-501	12	Traffic Register Lead Index — No. 5 Crossbar Offices — Equipped With Master Test Frame
218-218-501	1	KS-13834 Perforator and Trouble Recorder Circuit — Tests Using Trouble Recorder Test Circuit SD-25682-01	218-232-502	4	Traffic Registers — Part 1 — Tests Using Master Test Frame
218-218-502	5	KS-13834 Perforator and Trouble Recorder Circuit — Tests	218-232-503	2	Traffic Registers — Part 2 — Tests Using Master Test Frame
218-219-301	1	Time of Day — Alarm Routine	218-232-504	4	Traffic Registers — Part 3 — Tests Using Master Test Frame
218-219-302	1	Time of Day Circuit — Taking Equipment Out of Service	218-232-505	4	Traffic Registers — Part 4 — Tests Using Master Test Frame
218-219-501	1	Time of Day Circuit — Tests			
218-220-301	14	Compiling Data for Control Tapes for Operational Trunk Tests — Using Automatic Progression Trunk Test Frame	Add 218-232-506	1	
			218-232-506	4	Traffic Registers — Part 5 — Tests Using Master Test Frame
Add 218-220-302	1		218-232-507	2	Traffic Registers — Part 6 — Tests Using the Master Test Frame
218-220-302	11	Preparation of Control Tapes for Operational Trunk Tests — Using Automatic Progression Trunk Test Frame — No. 5 Crossbar Offices	218-232-508	3	Traffic Registers — Part 7 — Tests Using Master Test Frame
218-220-303	7	Compiling Data for Control Tapes — For Transmission Testing of Trunks Using Automatic Progression Trunk Test Frame and Automatic Transmission Measuring System	Add 218-232-509	1	
			218-232-509	3	Traffic Registers — Part 8 — Tests Using Master Test Frame
218-220-304	4	Preparation of Control Tapes for Transmission Testing of Outgoing Trunks — Automatic Progression Trunk Test Frame and Automatic Transmission Measuring System	218-232-510	3	Traffic Registers — Part 9 — Tests Using Master Test Frame
			218-232-511	2	Traffic Registers — Part 10 — Tests Using Master Test Frame

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218-232-512	2	Traffic Registers — Part 11 — Tests Using Master Test Frame	218-233-507	2	Plant Registers — Part 7 — Tests Using Master Test Frame
Add 218-232-513	1		Add 218-233-508	1	
218-232-513	3	Traffic Registers — Part 12 — Tests Using Master Test Frame	218-233-508	1	Plant Register — Part 8 — Tests Using Master Test Frame
218-232-514	4	Traffic Registers — Part 13 — Tests Using Master Test Frame	218-233-509	2	Plant Registers — Part 9 — Tests Using Master Test Frame
218-232-515	4	Traffic Registers — Part 14 — Tests Using Master Test Frame	218-233-510	2	Plant Registers — Part 10 — Tests Using Master Test Frame
218-232-516	6	Traffic Registers — Part 15 — Test Using Master Test Frame — No. 5 Crossbar Offices	218-233-511	3	Plant Registers — Part 11 — Tests Using Master Test Frame
218-232-517	3	Traffic Registers — Part 16 — Tests Using Master Test Frame	218-233-512	1	Plant Registers — Part 12 — Tests Using Master Test Frame
Add 218-232-519	1		218-233-513	1	Plant Registers — Part 13 — Tests Using Master Test Frame
218-232-519	2	Traffic Registers — Part 17 — Tests Using Master Test Frame	218-233-514	2	Plant Registers — Part 14 — Tests Using Master Test Frame
Add 218-232-520	1		218-233-515	2	Plant Registers — Part 15 — Test Using Master Test Frame
218-232-520	1	Traffic Registers — Part 18 — Tests Using Master Test Frame	218-233-516	2	Plant Registers — Part 16 — Tests — No. 5 Crossbar Offices
218-232-521	2	Traffic Registers — Part 14 — Tests Using Master Test Frame	Add 218-233-517	1	
218-232-522	3	Traffic Registers — Part 20 — Tests Using Master Test Frame	218-233-517	1	Plant Registers — Part 17 — Tests Using Master Test Frame
Add 218-232-523	1		218-234-501	1	Message Timing Circuits SD-27542-01 — Tests for Metered Lines and Trunks
218-232-523	1	Traffic Registers — Part 21 — Tests Using Master Test Frame	218-235-501	1	Message Register Pulsing Junctor Circuit SD-28108-01 — Auxiliary line Circuit for Remote Message Registration SD-28109-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
Add 218-232-525	1		218-237-301	1	60 and 120 IPM Interrupter Circuits — Alarm Routine
218-232-525	3	Traffic Registers — Part 22 — Tests Using Master Test Frame	218-237-302	1	60 and 120 IPM Interrupter Circuits — Taking Equipment Out of Service
Add 218-232-527	1		218-237-501	4	60- and 120-IPM Interrupter Circuit SD-25742-01 — Tests
218-232-527	2	Traffic Registers — Part 23 — Tests Using Master Test Frame	218-238-501	3	30-IPM Interrupter Circuit SD-27637-01 — Tests
Add 218-232-530	1		218-239-501	1	Interrupter Circuit SD-27510-01 — Tests
218-232-530	1	Traffic Registers — Part 24 — Tests Using Master Test Frame	218-240-301	5	Trunk Testing Procedures Using Automatic Recycle Feature of Trunk Test Circuit SD-25918-01
218-232-531	1	Traffic Registers — Part 25 — Tests	218-245-501	5	Customer Line and Outgoing Trunk Conductors — Voltmeter Tests Using Master Test Frame
218-233-000	7	Plant Register Index — Tests	218-246-501	6	Trunk Transmission Tests — Circuits Terminated on Trunk Link Frame Using Master Test Frame
Add 218-233-501	1				
218-233-501	8	Plant Registers — Part 1 — Tests Using Master Test Frame			
218-233-502	1	Plant Registers — Part 2 — Tests Using Master Test Frame			
Add 218-233-503	2				
218-233-503	1	Plant Registers — Part 3 — Tests Using Master Test Frame			
218-233-504	2	Plant Registers — Part 4 — Tests Using Master Test Frame			
218-233-505	1	Plant Registers — Part 5 — Tests Using Master Test Frame			

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218-246-502	3	Trunk Transmission Tests — Circuits Terminated on Line Link Frame Using Master Test Frame — No. 5 Crossbar Offices	218-260-501	2	No. 101 ESS Central Office Trunk Circuit SD-1H077-01 — Tests Using Trunk Test Circuit SD-25918-01
218-246-503	2	Manual Trunk Transmission Tests Using Remote Office Test Line	218-262-501	11	Trunk Operational Tests — Using Automatic Progression Trunk Test Circuit SD-25938-01
218-246-506	1	Trunk Transmission Tests — Circuits Terminated at Commercial ACD — Using Master Test Frame — No. 5 Crossbar Offices	218-262-502	5	Transmission Tests — Using Automatic Progression Trunk Test Circuit SD-25938-01 and Automatic Transmission Measuring System
218-246-701	1	Transmission Test Pads — MTF Trunk Test Circuit SD-25918-01 — Adjustments	218-262-503	1	Manual Trunk Transmission Tests — Using Automatic Progression Trunk Test Circuit SD-25938-01 — No. 5 Crossbar Offices
218-247-501	11	Intraoffice Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01	218-263-501	4	Junctor Circuit SD-27713-01 for Use as Off-Net Access Line — Tests Using Trunk Test Circuit SD-25918-01
218-248-301	1	Trunk Operational Test — Remote Office Test Line	218-264-501	5	Outgoing Announcement Trunks — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
218-249-501	4	Intermarker Group Trunks — Subscriber to Trunk — Tests Using Trunk Test Circuit SD-25918-01	218-265-501	3	Auxiliary Outgoing Trunk — SD-26084-01 — Tests Using Trunk Test Circuit SD-25918-01
218-249-502	5	Intermarker Group Trunks — Subscriber to Subscriber — Tests Using Trunk Test Circuit SD-25918-01	218-266-501	3	Auxiliary Outgoing Trunks SD-25851-01 and SD-25852-01 for Use With Ringdown Intertoll Trunks — Tests Using Trunk Test Circuit SD-25918-01
218-249-503	3	Intermarker Group Trunks — Trunk to Subscriber — Tests Using Trunk Test Circuit SD-25918-01	218-267-501	8	Auxiliary Outgoing Trunks and Toll Switching Trunks — Tests Using Master Test Frame
Add 218-251-501	1		Add 218-268-501	1	
218-251-501	11	Incoming Trunk Circuit — Noncentrex — Tests Using Master Test Frame (MTF) — No. 5 Crossbar Offices	218-268-501	9	Outgoing Intertoll Trunks — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
218-251-502	1	Incoming Trunk Circuits — Centrex — Tests Using Trunk Test Circuit SD-25918-01	218-269-501	4	Outgoing Trunks for Intertoll Completion
218-252-501	5	Incoming Intertoll and Incoming Features of 2 Way Intertoll Trunks — Tests Using Trunk Test Circuit SD-25918-01	218-270-501	4	Combination Outgoing and Toll Switching Trunks — Tests Using Trunk Test Circuit SD-25918-01
218-253-501	3	Incoming Trunks — Tests Using Manual Outgoing Trunk Test Circuit SD-95476-01	218-271-501	11	Outgoing Trunk and Junctor Circuits — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
218-254-501	6	Toll Switching Trunks, Operator Completing Trunks, and Operator Junctor Circuits From No. 1, 3, 3C, or 3CL Toll Switchboards in Same Building — Tests	218-271-504	4	Outgoing Trunk Circuit SD-27712-01 to Off-Net Access Line — Tests Using Trunk Test Circuit SD-25918-01
218-257-501	5	2-Way Intertoll Trunk Circuits SD-27654-01 — Tests Using Trunk Test Circuits SD-25918-01 — No. 5 Crossbar Offices	218-272-501	4	Outgoing Intertoll Trunk Circuits and Outgoing Portion of Intraoffice Arrangements per ES-27601-01 for Data Service — Tests Using Trunk Test Circuit SD-25918-01
218-257-502	4	2-Way Intertoll Trunk Circuits SD-27655-01 — Tests Using Trunk Test Circuit SD-25918-01	218-273-501	5	Outgoing Trunks — Tests Using Manual Outgoing Trunk Test Frame SD-95476-01 — No. 5 Crossbar Offices
218-258-501	8	2-Way Trunks to Community Dial Offices — Tests Using Trunk Test Circuit SD-25918-01	218-274-501	2	Incoming Intertoll Trunks and Incoming Portion of Intraoffice Arrangements per ES-27601-01 — Tests Using Trunk Test Circuit SD-25918-01
218-258-502	1	2-Way Trunk SD-25667-01 — Arranged for Use With 23-Type Desk and 3C or 3CL Switchboard			
218-259-501	3	2-Way Operator Office Trunk Circuit SD-27593-01 — Tests Using Trunk Test Circuit SD-25918-01 and No. 1, 3, 3C, or 3CL Toll Switchboards			

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218-275-501	5	Junctor Circuit SD-27725-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-286-502	2	Trunk Appearance Circuit SD-27156-01 and Overflow Links Associated With Overflow Trunk Circuit SD-27155-01 for Use With Permanent Signal Expanded Routing — Tests Using Master Test Frame
218-277-501	2	Remote Line Circuit SD-27858-01 — Tests Using Trunk Test Circuit SD-25918-01	218-287-501	1	No-Such-Number Signal Tone Trunks — Tests Using Trunk Test Circuit SD-25918-01
218-277-502	4	2-Way Trunk Circuit SD-27836-01 for Off-Net Access Service — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-288-501	2	No-Circuit Signal Trunks SD-26158-01 — Tests Using Trunk Test Circuit SD-25918-01
218-277-503	2	Attendant Trunk Circuit SD-27838-01 for Remote Attendant — Test Using Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-289-501	8	Outgoing Trunks to Traffic Service Position (TSP) or Traffic Service Position System (TSPS) No. 1 — Tests Using Trunk Test Circuit SD-25918-01
218-277-504	2	Attendant Access Trunk SD-27851-01 for Use With 608A Switchboard — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-290-501	2	Stuck Coin Trunks SD-25763-01 — Tests Using Trunk Test Circuit
218-277-505	3	Attendant Access Trunk Circuit SD-27857-01 for Use With Console (CCSA) — Tests Using Trunk Test Circuit SD-25918-01	218-291-501	3	Dial Coin Zone — Outgoing Trunk or Junctor Circuit SD-26078-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices
218-277-506	3	Outgoing Intertoll Trunk Circuit SD-27878-01 for Off-Net Access Service — Tests Using Trunk Test Circuit SD-25918-01	218-3 CENTREX OFFICES		
218-279-501	7	Reverting Call Trunks — Tests Using Trunk Test Circuit SD-25918-01	218-320-501	3	Attendant Access Trunk SD-27583-01, SD-27937-01 — Tests Using Test Position Circuit SD-27589-01 or SD-27695-01 — Arranged for Phase II or III Centrex
218-280-501	9	Outgoing Information, Outgoing Repair Service, Outgoing Official PBX, Common Overflow, Tone, and Associated Auxiliary Trunks From Trunk Link Frame — Tests Using Trunk Test Circuit SD-25918-01	218-321-501	4	Attendant Trunk Circuit SD-27582-01 — For Use With Console Operation — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase II Centrex
218-280-502	2	Outgoing Trunk Circuit for Information Service SD-28080-01 — Tests Using Master Test Frame	218-322-501	5	Attendant Trunk Circuit SD-27622-01 for Use With 608A Switchboard — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase II Centrex
218-282-501	8	Recording Completing, Special Service, Intercepting, and Associated Auxiliary Trunks From Trunk Link Frame — Tests Using Master Test Frame	218-322-502	3	Attendant Trunk Circuits SD-27721-01 and SD-27722-01 for Use With 608A Switchboard — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex
218-283-501	10	Verification Request, Intercepting, Official PBX, Information, and Repair Service Trunks and Intercept Junctors From Line Link Frame — Tests Using Master Test Frame	218-323-501	5	Position Link Circuit SD-26185-01 — Miscellaneous Tests — Arranged for Phases I, II, and III Centrex
218-284-501	5	Trunks to Local Test Desk No. 14, Local Test Cabinet No. 3, and Associated Auxiliary Trunks — Tests Using Trunk Test Circuit SD-25918-01	218-324-501	6	Position and Position Loop Circuit SD-27589-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase II Centrex Manual Transfer
218-285-501	7	Free Trunks and Associated Auxiliary Trunks — Tests Using Trunk Test Circuit SD-25918-01	218-325-501	2	Conference Control Circuit and Auxiliary Conference Control Circuit — Tests Using Test Position Circuit SD-27589-01 and Trunk Test Circuit SD-25918-01 — Arranged for Phases II and III Centrex
218-286-301	2	Permanent Signal Holding Trunk, Concentrating, Timing and Associated Auxiliary Trunk Circuits — Taking Equipment Out of Service	218-326-501	1	Calls-Waiting Signal Circuit SD-27653-01 — Tests — Arranged for Phase II or III Centrex
218-286-501	8	Permanent Signal Holding Trunk, Concentrating, Timing, and Associated Auxiliary Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01	Add 218-327-501	1	
			218-327-501	3	Line Busy Verification Trunk Circuit SD-27812-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase I, II, or III Centrex

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218-328-501	2	Access Group Controller Circuit SD-27748-01 — Tests — Arranged for Phases I, II, and III Centrex	218-348-501	2	Transfer Register Identifier Connectors — Tests — Arranged for Phase III Centrex
Add 218-329-501	1		218-349-501	2	Transfer Register Link Circuits — Tests
218-329-501	1	Touch-Tone Calling Signal to Dial Pulse Converter Circuit ES-26505-01 — Tests Using Converter Test Circuit ES-26508-01 Arranged for Phase I, II, and III Centrex	218-350-501	3	Transfer Line Identifier and Connector Circuit — SD-27690-01 — and Line Identifier Power Supply Circuit — Tests Using Master Test Frame — Arranged for Phase III Centrex
218-330-701	2	High Impedance Tone Generator SD-27825-01 — Adjustment — Arranged for Phase I, II, or III Centrex	Add 218-352-501	1	
218-331-501	2	Intraoffice Trunk Circuit SD-27579-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices	218-352-501	6	Position and Position Loop Circuit SD-27695-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex
218-332-501	2	Intraoffice Trunk Circuits SD-27685-01 — Tests Using Trunk Test Circuit SD-25918-01	218-353-501	3	Line Circuit SD-27945-01 — Tests Using the Master Test Frame Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase III Centrex — Centralized Attendant Operation
218-340-501	4	Attendant Trunk SD-27689-01 for Use With Console Operation — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex	218-353-502	2	Line Circuit SD-27896-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex — Centralized Attendant Operation
218-341-501	3	2-Way Trunk Circuit SD-27865-01 — Arranged for Console Operation — Tests Using Trunk Test Circuit SD-25918-01	218-353-503	2	Attendant Line Circuit — SD-26378-01 — Tests Using Master Test Frame Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Centralized Attendant Operation
218-341-502	2	2-Way Trunk Circuit SD-27865-01 Arranged for 608A Switchboard Operation — Tests Using Trunk Test Circuit SD-25918-01	218-354-501	1	Attendant Outgoing Trunk Circuit — SD-26380-01 — Tests Using Master Test Frame Trunk Test Circuit — SD-25918-01 — Arranged for Phase III Centrex — Centralized Attendant Operation
218-342-501	2	Auxiliary Outgoing Trunk Circuit ES-26289-01 — Tests	218-355-502	3	Incoming Trunk Circuit SD-27897-01 — Test Using Master Test Frame Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex — Centralized Attendant Operation
218-343-501	2	Night Answering Trunk SD-27682-01 — Tests Using Master Test Frame	218-355-503	1	Attendant Incoming Trunk — SD-26379-01 — Tests Using Master Test Frame Trunk Test Circuit SD-25918-01 — Arranged for Phase II Centrex Centralized Attendant Operation
218-344-501	4	Transfer Trunk Circuits SD-27688-01 — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase III Centrex	218-355-504	1	Attendant Incoming Trunk — SD-26381-01 — Tests Using Master Test Frame Trunk Test Circuit — SD-25918-01 — Arranged for Phase III Centrex Centralized Attendant Operation
218-346-501	6	Transfer Register SD-27667-01 — Dial Pulse or Touch-Tone Signaling Tests Using Automatic Monitor, Register and Sender Test Circuit SD-25680-01 — Arranged for Phase III Centrex	218-357-501	1	2-Way Intertoll Trunk Circuit SD-28126-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase III Centrex
Add 218-346-502	1		218-357-502	1	2-Way Intertoll Trunk Circuit SD-28126-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase II Centrex
218-346-502	4	Transfer Register SD-27667-01 — Dial Pulse or Touch-Tone Signaling Tests Using Test Set SD-25676-01 — Arranged for Phase III Centrex	218-399-501	4	Incoming Trunk Circuits — Tests Using Trunk Test Circuit ES-26285-01 or SD-25918-01 — Arranged for Phase I Centrex
218-346-503	2	Station Dial Transfer Register SD-27667-01 — Dial Pulse or Touch-Tone Signaling Tests Using Test Set SD-25676-01 — Arranged for Phase I and II Centrex			
218-346-504	2	Transfer Register SD-27667-01 — Dial Pulse or Touch-Tone Signaling Tests Using Automatic Monitor, Register and Sender Test Circuit SD-25680-01 — Arranged for Phase I and II Centrex			
218-347-501	2	Dial Transfer Trunk Circuits SD-27668-01 — Tests Using Trunk Test Circuit ES-26285-01 or SD-25918-01 — Arranged for Phase I or Phase II Centrex			

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218-399-502	4	Attendant Trunk Circuit SD-26270-01 for Use With Console Operation — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Phase I Centrex	Add 218-404-500	1	Trouble Reference Guide — Part 1 — Index
218-399-503	3	Attendant Trunk Circuit SD-26503-01 for Use with Modified 608A Switchboard — Tests Using Trunk Test Circuit ES-26285-01 or SD-25918-01 — Arranged for Phase I Centrex	218-404-500	1	No. 5 Crossbar — Trouble Reference Guide — Part 2 — BIN LISTINGS — A
218-399-504	4	Auxiliary Outgoing Trunk Circuit ES-26288-01 and 2 Way Tie Trunk Circuit SD-26588-01 — Tests	218-404-502	1	No. 5 Crossbar — Trouble Reference Guide — Part 3 — BIN LISTINGS — B, C, D, E, F
218-399-505	4	2-Way Intertoll Trunk Circuit SD-27654-01 — Tests Using Trunk Test Circuit SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase I Centrex	218-404-503	1	No. 5 Crossbar — Trouble Reference Guide — Part 4 — BIN LISTINGS — G, H, I, J, K, L
218-399-506	4	Intraoffice Trunk Circuit — SD-26259-01 — Tests Using Trunk Test Circuit ES-26285-01 or SD-25918-01 — No. 5 Crossbar Offices — Arranged for Phase I Centrex	218-404-504	1	Trouble Reference Guide — Part 5 — Office Test Frame — Bin Listing — M
218-399-507	3	Auxiliary Outgoing Trunk Circuit ES-26274-01 and 2-Way Tie Trunk Circuit SD-26588-01 — Tests — No. 5 Crossbar Offices Arranged for Phase I Centrex	218-404-505	1	No. 5 Crossbar — Trouble Reference Guide — Part 6 — BIN LISTINGS — N, O, P, Q, R
218-399-508	1	Incoming Register Link Circuits — Wire-Spring-Relay Type — Tests — Arranged for Phase I Centrex	218-404-506	1	No. 5 Crossbar — Trouble Reference Guide — Part 6 — BIN LISTINGS — S, T, U, V, W, X, Y, Z
218-399-512	1	Timing Circuit ES-26510-01 — Tests — Arranged for Phase I Centrex	218-404-507	1	No. 5 Crossbar — Trouble Reference Guide — Part 8 — For Call Data Transmitter
218-399-514	1	Miscellaneous Alarm Circuit ES-65835-01 Modified for Connection to Auxiliary Alarm Circuit — Tests — Arranged for Phase I Centrex	218-404-510	1	Trouble Reference Guide — Part 11 — Test Methods — No. 5 Crossbar Offices
218-399-515	1	Attendant Loop Circuit ES-65843-01 — For Use With Modified 608A Switchboard — Tests — Arranged for Phase I Centrex	218-410-501	1	Line Link Circuits
218-399-519	2	Calls-Waiting Signal Circuit SD-26271-01 — Tests — Arranged For Phase I Centrex	218-410-502	2	Line Link Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-399-520	1	2-Way Intertoll Trunk Circuit SD-28126-01 Tests — Using Trunk Test Circuit SD-25918-01 — Arranged For Phase I Centrex	Add 218-411-501	3	Call Waiting Feature — Tests Using Office Test Frame SD-27633-01 (J23260)
218-4) OFFICES WITH OFFICE TEST FRAME			218-411-501	1	Line Link Pulsing Line Circuits SD-27617-01, SD-27618-01, SD-27619-01, SD-27620-01, and SD-27669-01 and SD-27942-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-5)			218-412-501	4	Automatic Intercept System Line Circuits SD-27892-01 and SD-27893-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices Not Arranged for Line Link Outputting
218-400-501	3	Line Verification — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)	218-412-502	2	Line Link Pulsing Circuit SD-27729-01 and SD-27730-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-401-501	4	Line Verification — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-415-501	1	Trunk Link Circuits
218-402-501	2	Customer Line and Outgoing Trunk Conductors — Voltmeter Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	218-415-502	2	Trunk Link Circuits Tests — Using Office Test Frame Test Circuits SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-403-301	2	Method of Handling Permanent Signals on Permanent Signal Holding Trunks Using Office Test Frame Test Circuit SD-27633-01 (H-595-950 and J23260)	Add 218-420-501	1	Dial Tone Marker Circuits — Tests Using Office Test Frame
			218-420-501	1	Dial Tone Marker Circuits — Tests Using Office Test Frame
			218-421-501	3	Dial Tone Marker Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)

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Add 218-422-501	1		218-432-502	2	Regular Pretranslator SD-25568-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (H595-950)
218-422-501	1	Completing Markers	Add 218-433-501	1	
218-422-502	2	Completing Markers — Miscellaneous Tests	218-433-501	3	Regular Pretranslator SD-25568-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-423-001	1	Alphabetical Index — Completing Marker Tests — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-433-502	3	IDDD Pretranslator SD-27849-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-423-501	3	Completing Marker Tests — Part 1 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-434-501	4	Group-Busy Circuits — For Originating and Incoming Registers and for Senders — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-423-502	1	Completing Marker Tests — Part 2 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-434-502	2	Traffic Register Circuits — Group-Busy Features for Originating and Incoming Registers and for Senders — Tests Equipped with Office Test Frame Test Circuit SD-27633-01 (J23260)
218-423-503	1	Completing Marker Tests — Part 3 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-435-501	3	Group-Busy Circuits — For Originating and Incoming Registers and for Senders — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
218-423-504	1	Completing Marker Tests — Part 4 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-435-502	1	Traffic Register Circuits — Group-Busy Features for Originating and Incoming Registers and for Senders — Tests
218-423-505	1	Completing Marker Tests — Part 5 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-436-501	5	Originating Registers — Dial Pulse or Touch-Tone Calling SD-26040-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
218-423-506	1	Completing Marker Tests — Part 6 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-437-501	6	Originating Registers — Dial Pulse or Touch-Tone Calling SD-26040-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-423-507	1	Completing Marker Tests — Part 7 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	Add 218-439-501	1	
218-423-508	1	Completing Marker Tests — Part 8 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-439-501	2	Dial Pulse Incoming Registers
218-423-509	1	Completing Marker Tests — Part 9 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	Add 218-440-501	1	
218-423-510	1	Completing Marker Tests — Part 10 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-440-501	4	Dial Pulse Incoming Registers SD-26041-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-423-511	1	Completing Marker Tests — Part 11 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-443-501	2	Multifrequency Incoming Registers
218-423-512	1	Completing Marker Tests — Part 12 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-444-501	3	Multifrequency Incoming Register SD-26042-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-423-513	1	Completing Marker Tests — Part 13 — Using Office Test Frame Test Circuit SD-27633-01 (J23260)	Add 218-450-501	2	
218-423-514	1	Completing Marker Tests — Part 14 — Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices Arranged With Call Data Transmitter	218-450-501	2	Outgoing Dial Pulse Senders
218-431-501	3	Incoming Register Pretranslator SD-27969-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	Add 218-451-501	1	
			218-451-501	3	Outgoing Dial Pulse Sender SD-26050-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
			Add 218-456-501	2	
			218-456-501	3	Multifrequency Outgoing Senders — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)

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Add 218-457-501	1		218-501-501	2	Coin Supervisory and Coin Supervisory Concentrating Circuits — Tests Using Office Test Frame SD-27633-01 (H-595-950)
218-457-501	5	Multifrequency Outgoing Senders — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)			
218-457-502	3	Automatic Intercept System — Outgoing Sender SD-27882-01 — Tests Using Office Test Frame SD-27633-01 (J23260) — Not Arranged for Line Link Pulsing	218-501-502	3	Coin Supervisory and Coin Supervisory Concentrating Circuits SD-25736-01 and SD-25721-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-460-501	1	Outgoing Sender Connector and Outgoing Sender Link Circuits	218-502-501	2	Coin Supervisory Release Circuits
Add 218-461-501	1		218-502-502	1	Coin Supervisory Release Circuit SD-25859-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-461-501	2	Outgoing Sender Connector and Outgoing Sender Link Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	218-515-101	2	Office Test Frame — Description — SD-27633-01 (H-595-950)
Add 218-461-502	1		218-516-101	1	Office Test Frame — Description — SD-27633-01 (J23260)
218-461-502	1	Outgoing Sender Connector SD-27888-01 and Outgoing Sender Line Connector SD-27889-01 for Automatic Intercept System — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices not Arranged for Line Link Pulsing	218-525-501	1	Emergency Line Circuits
218-465-501	2	Number Group Circuits — Tests Using Office Test Frame	218-526-501	1	Emergency Transfer Circuit — Dial to Manual Service
218-465-502	1	Number Group Circuits — Tests Using Office Test Frame SD-27633-01 (J23260)	218-527-501	2	Auxiliary Line Circuit SD-26165-01 — Tests Using Office Test Frame — No. 5 Crossbar Offices
218-470-501	3	Translators — Offices Arranged for LAMA or ANI	218-527-502	2	Auxiliary Line Circuit SD-26165-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
Add 218-471-501	1		218-528-501	3	Outgoing Auxiliary Line Circuit SD-26164-01 for Public Emergency Reporting Service — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
218-471-501	2	Translators — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — Arranged for LAMA or ANI	218-528-502	2	Outgoing Auxiliary Line Circuit SD-26164-01 for Public Emergency Reporting Service — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-472-501	5	Transverters SD-25591-01 and SD-26161-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)	218-529-501	1	Dial Long Line Circuits — Coin
218-472-503	4	Transverter SD-25591-01 — Miscellaneous Tests — Using Trouble Indicator	218-530-501	2	Dial Long Line Circuits — 2-Party Message Rate — Tests Using Office Test Frame Test Circuit SD-27633-01
218-473-501	5	Transverters SD-25591-01 and SD-26161-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)	Add 218-531-501	1	
218-474-501	4	LAMA Recorder and Recorder Connector Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)	218-531-501	1	Station Ringer Test Circuits SD-25861-01, SD-25927-01, and SD-26109-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-475-501	3	LAMA Recorder and Recorder Connector Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	218-532-500	3	Traffic Register Lead Index — Equipped With Office Test Frame (J23260)
218-476-501	3	Call Identity Indexer Circuit SD-25621-01 — Tests Using Office Test Frame (J26230) — No. 5 Crossbar Offices	218-532-501	5	Traffic Registers — Part 1 — Tests Using Office Test Frame SD-27633-01 (J23260)
Add 218-476-502	1		218-532-502	3	Traffic Registers — Part 2 — Tests Using Office Test Frame SD-27633-01 (J23260)
218-476-502	1	Call Identifier Indexer Circuit SD-25621-01 — Tests Using Office Test Frame SD-27633-01 (H-595-950)	218-532-503	2	Traffic Registers — Part 3 — Tests Using Office Test Frame SD-27633-01 (J23260)

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218-532-504	2	Traffic Registers — Part 4 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-546-501	4	Trunk Transmission Tests Using Office Test Frame Test Circuit SD-27633-01 (H595-950)
218-532-505	2	Traffic Registers — Part 5 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-546-506	1	Trunk Transmission Tests — Circuits Terminated at Commercial ACD — Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-532-506	2	Traffic Registers — Part 6 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-547-501	3	Intraoffice Trunk Circuits Tests Using Office Test Frame
218-532-507	2	Traffic Registers — Part 7 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-548-501	4	Intraoffice Trunk Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-532-508	3	Traffic Registers — Part 8 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-549-501	3	Trunk Transmission Tests Circuits Terminated on Trunk Link Frame Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-532-509	1	Traffic Registers — Part 9 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-549-502	1	Trunk Transmission Tests Circuit Terminated on Line Link Frame Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-532-510	1	Traffic Registers — Part 10 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-549-503	1	Manual Trunk Transmission Tests Using Remote Office Test Line and Office Test Frame
218-532-511	1	Traffic Registers — Part 11 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-551-501	2	Incoming Trunk Circuits
218-532-512	1	Traffic Registers — Part 12 — Tests Using Office Test Frame SD-27633-01 (J23260)	218-552-501	4	Incoming Trunk Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)
218-533-501	4	Plant Registers — Tests Using Office Test Frame — Test Circuit SD-27633-01 (H-595-950)	218-553-501	1	2-Way Operator Office
218-534-501	5	Plant Registers — Tests Using Office Test Frame — Test Circuit SD-27633-01 (J23260)	218-563-501	2	Outgoing Announcement Trunks — Tests Using Office Test Frame Test Circuit SD-27633-01 — No. 5 Crossbar Offices
218-535-500	1	Traffic Register Lead Index — Equipped With Office Test Frame SD-27633-01 (H-595-950)	218-564-501	1	Outgoing Announcement Trunks
218-535-501	1	Traffic Registers — Part 1 — Tests Using Office Test Frame SD-27633-01 (H595-950)	218-565-501	2	Auxiliary Outgoing Trunk SD-26084-01 — Tests Using Office Test Frame SD-27633-01 (H595-950)
218-535-502	1	Traffic Registers — Part 2 — Tests Using Office Test Frame SD-27633-01 (H595-950)	218-565-502	1	Auxiliary Outgoing Trunk SD-26084-01 — Tests Using Office Test Frame SD-27633-01 (J23260)
218-535-503	1	Traffic Registers — Part 3 — Tests Using Office Test Frame SD-27633-01 (H595-950)	218-566-501	1	Official PBX Trunks
218-535-504	1	Traffic Registers — Part 4 — Tests Using Office Test Frame SD-27633-01 (H595-950)	Add 218-567-501	1	
218-535-505	1	Traffic Registers — Part 5 — Tests Using Office Test Frame SD-27633-01 (H595-950)	218-567-501	2	Common Overflow, Tone, Outgoing Information, Outgoing Official PBX, and Repair Service Trunks — Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)
218-535-506	1	Traffic Registers — Part 6 — Tests Using Office Test Frame SD-27633-01 (H595-950)	218-568-501	5	Outgoing Information, Outgoing Repair Service, Outgoing Official PBX, Common Overflow, Tone, and Associated Auxiliary Trunks From Trunk Link Frame — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-535-507	1	Traffic Registers — Part 7 — Tests Using Office Test Frame SD-27633-01 (H595-950)	218-568-502	2	Outgoing Trunk Circuit for Information Service SD-28080-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-535-508	1	Traffic Registers — Part 8 — Tests Using Office Test Frame SD-27633-01 (H595-950)	218-569-501	2	Outgoing, Incoming, and 2-Way Intertoll Trunk Circuits Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) No. 5 Crossbar Offices
218-540-501	1	Range Extender Unit — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)			
218-545-301	1	Trunk Operational Test — Remote Office Test Line			

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218-571-501	3	Outgoing Trunk and Junctor Circuits	218-589-501	4	Permanent Signal Holding Trunk, Timing, and Associated Auxiliary Trunk Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-572-501	4	Outgoing Trunk or Junctor Circuits — SD-26078-01, SD-26085-01, SD-26086-01, and SD-26087-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices	218-6 AUTOMATIC CALL DISTRIBUTION AND WIDEBAND		
218-573-501	3	Outgoing Trunks to Traffic Service Position (TSP) or Traffic Service Position System (TSPS) No. 1 Tests Using Office Test Frame Test Circuit SD-27633-01 (H-595-950)			
218-574-501	5	Outgoing Trunks to Traffic Service Position (TSP) or Traffic Service Position System (TSPS) No. 1 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices			
218-579-501	3	Reverting Call Trunks — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260)			
218-580-501	3	Reverting Call Trunks Tests Using Office Test Frame			
218-581-501	3	Recording Completing, Special Service, and Vacant Code Intercepting Trunk Circuits — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices			
218-582-501	1	Recording Completing, Special Service and Vacant Code Intercepting Trunk Circuits			
218-582-502	1	Intercept Junctor Circuit SD-27595-01 — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — or No. 3 Local Test Cabinet			
Add 218-583-501	1	Verification Request, Intercepting, Official PBX, Information and Repair Service Trunks and Intercept Junctors From Line Link Frame — Tests Using Office Test Frame Test Circuit SD-27633-01 (H595-950)			
218-583-501	2				
218-583-503	2	Verification Request, Intercepting, Official PBX, Information, and Repair Service Trunks From Line Link Frame Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) or No. 3 Local Test Cabinet No. 5 Crossbar Offices			
218-584-501	2	Trunks to Local Test Desk No. 14 and Local Test Cabinet No. 3 — Tests Using Office Test Frame			
218-585-501	1	Free Trunks			
218-586-501	2	Permanent Signal Holding Trunk, Timing and Associated Auxiliary Circuits			
218-587-501	1	Trunks to Local Test Desk No. 14 and Local Test Cabinet No. 3 — Tests Using Office Test Frame Test Circuit SD-27633-01			
218-588-501	4	Free Trunks and Associated Auxiliary Trunks — Tests Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices			
Add 218-600-501	1	Marker Circuit SD-27840-01 — Tests Using Master Test Frame			
218-600-501	3				
218-600-502	4	Marker Circuit SD-27840-01 — Miscellaneous Tests			
218-600-503	2	Marker Circuit SD-27840-01 — Tests Using Automatic Call Distributor Test Circuit SD-27997-01			
218-602-501	4	Line Circuit SD-27830-01 — Tests Using Master Test Frame			
218-602-502	2	Line Circuit SD-27981-01 — Tests Using Master Test Frame — For Automatic Call Distribution			
218-602-503	4	Line Circuit SD-28040-01 — Tests Using ACD Test Circuit SD-27997-01			
218-602-504	1	Line Circuit SD-28048-01 — Tests Using Master Test Frame			
Add 218-602-505	1	Line Circuit SD-28048-01 — Tests Using ACD Test Circuit SD-27997-01			
218-602-505	2				
218-602-506	2	Line Circuit SD-28040-01 — Tests Using Master Test Frame			
218-603-501	3	Line, Line Link, and Marker — Connector Control Circuit SD-27853-01 — Tests Using Master Test Frame			
218-603-502	1	Line, Line Link, and Marker — Connector Control Circuit SD-27853-01 — Test Using ACD Test Circuit SD-27997-01			
218-604-501	2	Line Link Marker Connector SD-27854-01 and Preference Control Circuit SD-26029-01 — Tests Using Master Test Frame			
218-604-502	1	Line Link Marker Connector SD-27854-01 and Preference Control Circuit SD-26029-01 — Tests Using ACD Test Circuit SD-27997-01			
218-605-501	3	Gate Control Circuit SD-27852-01 — Tests Using Master Test Frame — No. 5 Crossbar System — Arranged for Automatic Call Distribution			
218-605-502	2	Sequential Gate Control Circuit SD-27972-01 — Tests			
218-606-501	3	Master Traffic Control Circuit SD-26020-01 — Tests			
218-607-501	5	Traffic Register Circuit SD-25892-01 — Tests Using Master Test Frame			

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218-607-502	3	Traffic Register Circuit SD-25892-01 — Tests Using ACD Test Circuit SD-27997-01	218-620-502	2	Juncture Circuit SD-28044-01 — Tests Using ACD Tests Circuit SD-27997-01 — No. 5 Crossbar System for Automatic Call Distribution
218-608-501	2	Plant Register Circuit SD-25793-01 — Tests Using Master Test Frame	218-621-501	1	Outgoing Trunk Circuit SD-28043-01 — Tests Using Master Test Frame
218-608-502	2	Plant Register Circuit SD-25793-01 — Tests Using ACD Test Circuit SD-27997-01	218-621-502	1	Outgoing Trunk Circuit SD-28043-01 — Tests Using ACD Test Circuit SD-27997-01
218-609-501	2	Fuse Alarms — Test	218-622-501	1	Service Assistant Position Trunk SD-28042-01 — Tests Using Master Test Frame — No. 5 Crossbar System For Automatic Call Distribution
218-611-501	2	Master Test Frame Connector SD-27856-01 — Preference and Lockout Chains — Tests	218-622-502	2	Service Assistant Position Trunk SD-28042-01 — Tests Using ACD Test Circuit SD-27997-01
218-611-502	1	Test Connector Circuit SD-28033-01 — Preference and Lockout Chains — Tests	218-623-501	1	Announcement Control Circuit SD-28046-01 — Tests Using Master Test Frame — No. 5 Crossbar System For Automatic Call Distribution
218-612-501	4	Position Trunk Circuit SD-27829-01 — Tests Using Master Test Frame — No. 5 Crossbar System	218-623-502	2	Announcement Control Circuit SD-28046-01 — Tests Using ACD Test Circuit SD-27997-01
218-612-503	2	Position Trunk Circuit SD-28041-01 — Tests Using Master Test Frame — No. 5 Crossbar System	218-652-501	2	Wideband Junction Switch Group Marker Lockout Circuit — Tests
218-612-504	3	Position Trunk Circuit SD-28041-01 — Tests Using ACD Tests Circuit SD-27997-01 — No. 5 Crossbar System	218-654-501	1	Video Supervisory Signal Supply Circuit SD-27909-01 Associated with Wideband Link Circuit SD-27901-01 — Tests
218-613-501	5	Trunk Transmission Tests — Using Master Test Frame	218-661-501	1	Wideband Intercepting Trunk Circuit SD-26121-01 From Line Link Frame and/or Trunk Line Frame — Test Using Master Test Frame
218-613-502	3	Test Circuit SD-27997-01 — Trunk Transmission Tests — No. 5 Crossbar Offices	Add 218-663-501	1	
218-614-501	2	Trunk Link Circuits SD-26032-01, SD-28051-01 — Tests Using Master Test Frame	218-663-501	1	Intraoffice Trunk Circuit (Audio) SD-27915-01 and Wideband Intraoffice Trunk Circuit (Video) SD-27923-01 Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Wideband
218-614-502	1	Trunk Link Circuit SD-28051-01 — Tests Using ACD Test Circuit SD-27997-01	218-667-501	1	Line Link Pulsing 2-Way Line Circuit SD-27913-01 — Test Using Trunk Test Circuit SD-25918-01 — Arranged for Wideband
218-615-501	1	Position Trunk Gate and Control Circuit SD-27875-01 — Tests Using Master Test Frame	218-675-501	1	Recording Completing, Inward Operator, or TX Trunk Circuit and Associated Audio Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01 — Arranged for Wideband
218-615-502	1	Position Trunk Gate and Control Circuit SD-27875-01 — Tests Using ACD Test Circuit SD-27997-01	218-677-501	1	Station Video Test Circuit — Tests Using Trunk Test Circuit SD-25918-01
218-616-501	1	Level Detector Circuit SD-28031-01 — Tests	218-681-501	1	Continuity Test Circuit SD-1C292-01 Test Using Master Test Control Circuit SD-25800-01 — Arranged for Wideband
218-617-501	1	Outgoing Trunk Circuit SD-28045-01 — Tests Using Master Test Frame			
218-617-502	1	Outgoing Trunk Circuit SD-28045-01 — Tests Using ACD Test Circuit SD-27997-01			
218-618-501	1	Digit Register Marker Connector and Control Circuit Tests			
218-619-501	1	Digit Register Circuit SD-28009-01 — Tests Using Master Test Frame			
218-619-502	2	Digit Register Circuit SD-28009-01 — Tests Using ACD Test Circuit SD-27997-01 — For Automatic Call Distribution			
218-620-501	1	Juncture Circuit SD-28044-01 — Test Using Master Test Frame			

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218-7)	SECTIONS NOT REQUIRING USE OF MASTER TEST FRAME OR OFFICE TEST FRAME					
218-8)						
	218-700-301	2	Molded Covers Per ED-26560-01 — Mounting and Removing	218-726-301	1	
Add	218-701-301	1		218-726-301	5	Translator SD-26019-01 and SD-25754-01 — Cross-Connections
	218-701-301	5	Methods of Denying and Restoring Service on Customer Lines	218-727-501	4	AMA or ANI Translator Line Verification — Tests Using AMA Translator Line Verification Test Circuit SD-27632-01 (J24759)
	218-702-301	4	Method of Handling Complaints and Requests Involving AMA Charge Irregularities	218-729-301	1	Ringin Selection Switch Circuit — Taking Equipment Out of Service
Add	218-702-302	1		Add 218-730-501	1	
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218-742-303	3	Coin Supervisory Circuit and Coin Supervisory Concentrating Circuit — Alarm Routine	218-743-504	2	Enhanced Operational Trunk Test/Remote Trunk Make-Busy Unit — (Associated With Mini-Remote Office Test Line) — Acceptance Tests
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Add 218-799-318	1	Tape Cartridges — Updating and Backup Storage Plan Procedures — No. 5 Crossbar Offices — Arranged for Electronic Translation System	Add 218-799-332	1	Recent Change Procedures — Initializing NBRXIT Links, Entry Code Switching, and Link Tests — No. 5 Crossbar Offices Arranged With Electronic Translation System
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218-799-319	2	Plant and Traffic Registrations — Lead Verification — Offices Arranged With Electronic Translation System	218-799-333	1	Recent Change Procedures — Trunks on the Trunk Link Frame — Arranged with Electronic Translation System
			218-799-334	1	Recent Change Procedures — Trunk Group Control — No. 5 Crossbar Offices Arranged With Electronic Translation System
			218-799-335	3	Recent Change, Verification, and Table Print-out — Procedures for Individual Data Base Tables — General — No. 5 Crossbar Offices Arranged With Electronic Translation System
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			218-799-337	2	

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218-799-338	1	Recent Change Procedures — Measurement Registrations — Arranged With Electronic Translation Systems			
218-799-339	1	Recent Change Procedures — Multiple and Mass Data Base Changes — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-502	1	Automatic Number Identification — Program Controlled Transverter SD-28085-01 — Tests Using Master Test Frame — Arranged With Electronic Translation System
Add 218-799-340	1		218-799-503	1	Combined Program Controlled Transverter and Multifrequency Outgoing Sender ANI Tests Using Automatic Monitor, Register, and Sender Test Circuit SD-25680-01 — Offices Arranged With Electronic Translation System
218-799-340	2	Office Records — Printout Procedures — Offices Arranged With Electronic Translation System			
218-799-341	2	Office Records — Update Printout Procedures — Arranged with Electronic Translation System	218-799-504	1	Combined Program Controlled Transverter and Multifrequency Outgoing Sender ANI Tests Using Sender Test Set SD-25674-01 (J24756A) — Offices Arranged With Electronic Translation System
218-799-345	1	Trunk Group Controls (TGC) — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-505	1	Centralized Automatic Message Accounting Program Controlled Transverter SD-28085-01 — Tests Using Master Test Frame — Offices Arranged With Electronic Translation System
218-799-346	1	Route Switch (RTSW) — Arranged With Electronic Translation System	218-799-508	1	Power and Data Interface Circuit — SD-28114-01 — Tests — No. 5 Crossbar Offices Arranged for Electronic Translation System
218-799-347	1	Simulated Facilities (SIMFAC) — Arranged With Electronic Translation System	218-799-509	1	Maintenance Control and Display Panels — Tests — Offices Arranged With Electronic Translation System
218-799-348	1	Traffic Sample Control — No. 5 Crossbar Offices Arranged With Electronic Translation System	218-799-701	2	Taking Electronic Translation System Equipment Out of Service
218-799-350	1	Recent Change Verification, and Table Print-out Procedures for Individual Data Base Tables — Part 1 — Arranged With Translation System	218-799-702	1	Handling — Electronic Translation System (ETS) Alarms
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218-799-351	1	Recent Change, Verification, and Table Print-out Procedures for Individual Data Base Tables — Part 2 — No. 5 Crossbar Offices Arranged with Electronic Translation System			
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218-799-352	1	Recent Change, Verification, and Table Print-out Procedures for Individual Data Base Tables — Part 3 — No. 5 Crossbar Offices Arranged With Electronic Translation System			
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218-799-353	1	Recent Change, Verification, and Table Print-out Procedures for Individual Data Base Tables — Part 4 — No. 5 Crossbar Offices — Arranged With Electronic Translation System			
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218-799-354	1	Recent Change, Verification, and Table Print-out Procedures for Individual Data Base Tables — Part 5 — No. 5 Crossbar Offices Arranged With Electronic Translation System			
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			218-903-501	1	Operator Originating Line Circuit — Test Using No. 19A Toll Testboard or No. 5D Toll Switchboard
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218-920-502	1	Originating Register Circuit ES-27656-01 — Tests Using the Master Test Frame	218-946-501	6	4-Wire 2-Way Intertoll Trunks — Tests Using Trunk Test Circuit SD-25918-01
Add 218-920-503	1		218-946-503	2	4-Wire Outgoing Intertoll Trunk SD-27842-01 Tests Using Trunk Test Circuit SD-25918-01
218-920-503	1	4-Wire Originating Register SD-26044-01 — Tests Using Automatic Monitor, Register and Sender Test Circuit	Add 218-947-501	1	
218-924-501	3	4-Wire Multifrequency Outgoing Senders — Tests Using Sender Test Set, SD-25674-01 (J24756A)	218-947-501	5	4-Wire, 2-Way Trunks to a PBX SD-27535-01 — Tests Using Trunk Test Circuit SD-25918-01
218-924-502	2	4-Wire Multifrequency Outgoing Senders SD-26054-01 — Tests Using the Automatic Monitor, Register, and Sender Test Circuit SD-25680-01	218-948-501	5	4-Wire Intraoffice Trunk Circuits — Tests Using Trunk Test Circuit SD-25918-01
218-925-501	4	4-Wire Dial Pulse Outgoing Senders — Tests Using Sender Test Set SD-25674-01 (J24756A)	218-949-501	2	Outgoing Station Trunk Circuit SD-27642-01 — Tests Using Trunk Test Circuit
218-925-502	2	4-Wire Dial Pulse Outgoing Senders SD-27614-01 — Tests Using Automatic Monitor, Register, and Sender Test Circuit SD-25680-01	218-953-501	2	4-Wire Local and Remote Zero Operator or Vacant Code Intercepting Trunk Circuit SD-27733-01 — Tests Using Trunk Test Circuit SD-25918-01
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218-926-501	3	4-Wire Multifrequency Incoming Register SD-26045-01 — Tests Using Test Set SD-25676-01 (J24756B or J24756C)	218-955-501	3	Conference Bridge and Line Circuit, Conference Controller, and Conference Trunk — Tests Using 19A Testboard and Master Test Frame
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218-940-501	1	Toll Switching Trunk Circuits — Tests Using No. 5D Switchboard in Same Building			
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♥ 218-965-506	1	Outgoing Trunk and Junctor Circuits — Tests Using Test Circuit SD-26319-05	♥ 218-973-503	1	Marker Tests — Part 3 — Using Test Circuit SD-26319-05
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			♥ 218-979-001	1	Traffic Register Lead Index
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			♥ 218-979-331	1	Time of Day Circuit SD-26347-05 — Method of Procedure
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220-422-305	1	Trunk Group Data Base (Generic 2) Generation and Maintenance — Computerized Maintenance and Administration — Support III (COMAS III)	220-501-503	8	Transverter — Miscellaneous Tests — Offices Arranged for CAMA
220-422-306	1	System Verification Tests (Generic 2) — Operating Procedures — Computerized Maintenance and Administration Support III (COMAS III)	220-503-501	4	Transverter Connectors — Tests — Arranged for CAMA
220-422-307	2	Ineffective Attempt Feature — Generic 2 Operating Procedures — Computerized Maintenance and Administration Support III (COMAS III)	220-505-501	4	Recorder and Recorder Connector Circuit SD-25872-01 — Tests — Arranged for AMA
220-425-501	4	Traffic Control Circuit SD-27855-01 — Tests	Add 220-506-501	1	
220-430-101	2	Point-to-Point Data Recorder Frame SD-27948-01 — Description	220-506-501	2	Call Identity Indexer Circuit SD-25621-01 — Tests
220-430-501	2	Point-to-Point Data Recorder Frame SD-27948-01 — Tests	220-507-501	7	Billing Indexer — Tests Using Sender Test Frame SD-25963-01 — Offices With CAMA
220-450-501	1	Sender Test Frame SD-25364-01 — Tests	220-507-503	6	Billing Indexer — Miscellaneous Tests — Offices With CAMA
220-451-501	7	Sender Test Frame SD-25963-01 — Tests	220-513-501	6	CAMA Suspension Circuit — Tests — Arranged for CAMA
220-455-501	4	Marker Trouble Indicator — Tests	220-515-501	8	CAMA Position Circuits — Operational Test and Transmission Measurement Using Sender Test Frame SD-25963-01
220-457-501	1	Trunk Automatic Test Circuit — Arranged for Zone Registration — Tests	220-515-502	2	Remote CAMA Position Circuits — Operational and Transmissions Tests Using Manual Outgoing Trunk Test Frame
220-459-501	8	Trunk Automatic Test Circuit SD-25960-01 — Tests — Arranged for CAMA	220-516-503	5	CAMA Calls Waiting Signal Circuit and CAMA 2-Way Signaling Circuit — Manual Tests
220-460-101	3	Automatic Transmission Test and Control Circuit (ATTTC) — Description	220-517-301	1	Position Link and Controller Circuit — Analyzing Trouble Conditions — Offices Arranged for CAMA
220-460-501	5	Automatic Transmission Test and Control Circuit SD-68446-01 and Associated Amplifiers and Amplifier-Rectifier — Tests	220-517-501	4	Position Link Circuits SD-25964-01 — Tests Using Sender Test Frame SD-25963-01
220-461-101	4	Incoming Trunk Test Frame SD-25161-01 — Description and Operation	220-517-503	3	CAMA Position Link and Controller — Miscellaneous Tests
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220-461-501	2	Incoming Trunk Automatic Test Circuit SD-25161-01 — Tests	220-531-501	9	Incoming Trunks — Tests Using Trunk Automatic Test Circuit SD-25960-01 — Arranged for CAMA
220-461-502	1	Incoming Trunk Test Circuit SD-25161-01 — Compensation for Office Wiring When Using ATTC — Crossbar Tandem Switching Systems	220-532-301	2	Verification of CAMA Trunk Decade Cross Connections on Sender Link Frames and Trunk Test Frame Using Trunk Automatic Test Circuit SD-25960-01 — Offices Arranged for CAMA
▲ ♦ 220-462-000	2	Remote Office Test Line (ROTLL)	220-535-301	5	Master Timing Circuit SD-25633-01 With Six-Second Timing Features — Methods of Handling Alarms
220-462-101	2	Remote Office Test Line (ROTLL) SD-28067-01 — Descriptive Information	220-535-302	2	Master Timing Circuit SD-25633-01 — Taking Equipment Out of Service
220-463-501	4	KS-13834 Perforator and Trouble Recorder Circuit — Tests	220-535-303	4	Master Timing Circuit SD-25633-01 — Daylight Saving Time and Leap Year Changes
220-5 AUTOMATIC MESSAGE ACCOUNTING			220-535-304	1	Master Timing Circuit SD-25633-01 With One-Second Timing Features — Method of Handling Alarms
220-501-501	9	Transverters — Tests Using Sender Test Frame SD-25963-01 — Arranged for CAMA			

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220-535-501	8	Master Timing Circuit SD-25633-01 Six-Second Timing Features — Tests
220-535-502	1	Master Timing Circuit SD-25633-01 — One-Second Timing Features — Tests

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220-603-501	2	TSP Position Link Controller — Tests
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220-604-501	1	Timer Link and Control Circuits — Tests
220-605-501	2	Traffic Regulator — Tests
Add 220-610-501	1	
220-610-501	3	Position and Position Control Circuits — Tests Using Position Test Circuit SD-95984-01
220-610-502	3	Position and Position Control Circuits SD-95909-01 and SD-95910-01 — Miscellaneous Tests
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- 225-0 Indexes and Administrative Practices
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 - 100 General System Information
 - 2 350A Step-by-Step Offices
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225-0 INDEXES AND ADMINISTRATIVE PRACTICES

- ♦ 225-000-000 22 Numerical Index — Division 225 — Testing Information Applying to Specific — Step-by-Step and Community Dial Offices

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225-105-501	2	Traffic Registers Associated With Primary Line and Master Switches — Plunger Type — Operation Tests
225-110-500	3	Secondary Line and Master Switches With Allotters — Operation Tests
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225-110-502	1	All Trunks Busy Traffic Register Circuit Test — Secondary Line Switch
225-115-500	2	Line Message Registers Associated With Line Switch Equipment — Tests Using Message Register Test Set ES-360006 IX611631
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225-135-500	3	Individual Line Message Rate Trunks — Line Switch Type — Operation Tests Using Test Set ES-30290-01	225-400-500	4	Local Connectors — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-30981-01
225-2 350A STEP-BY-STEP OFFICES			225-405-500	1	Distributor Circuits — Operation Tests Using Test Set SD-31859-01 (J34722B)
225-200-500	4	Local and Combination Connectors — Local Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02	225-410-500	2	Switch Trouble, Fuse, Permanent and Miscellaneous Alarms — Operation Tests
225-205-500	4	Toll and Combination Connectors — Toll Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02	225-415-500	1	Traffic Registers — Operation Tests
225-205-501	3	Toll and Combination Connectors — Toll Operation Tests Using Test Set SD-90416-01 (J94704A)	225-5 360A STEP-BY-STEP OFFICES		
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225-3 355A COMMUNITY DIAL OFFICES			225-505-500	2	Combination Connectors — Toll Operation — Tests Using Test Set SD-90416-01 (J94704A)
225-300 355A Community Dial Offices			225-505-501	2	Combination Connectors — Toll Operation — Tests Using Test Set SD-90416-01 (J94704A) and Test Line SD-32198-01
♥ 225-300-100	1	General	225-510-500	2	Reverting Call Equipment — Operation Tests Using Dial Hand Test Set
225-300-500	3	Selector Repeaters — Operation Tests Using Test Set SD-31859-01 (J34722B)	225-515-500	1	Switch Trouble, Fuse and Permanent Alarms — Operation Tests
225-310-500	3	A-B Transmission Selectors — Operation Tests Using Test Set SD-31858-01 (J34701A)	225-520-500	1	Miscellaneous Trouble and Fuse Alarms — Operation Tests
225-320-500	2	Outgoing Intercepting Trunks and Vacant Code Trunks — Operation Test Using Test Set SD-31858-01 (J34701A)	225-525-500	1	Traffic Registers — Operation Tests
225-320-501	2	Outgoing Intercepting Trunks and Vacant Code Trunks — Operation Test Using Test Set SD-31859-01 (J34722B)	225-6 35-E-97 COMMUNITY DIAL OFFICES		
Add 225-325-500	1		225-600-500	1	Line Finders With Control Circuit — Operation Tests Using Dial Hand Test Set
225-325-500	2	Outgoing Interoffice Trunks — Operation Tests Using Test Set SD-31858-01 (J34701A)	225-605-500	2	Selectors — Rotary Test Using 40C Test Set or Dial Hand Test Set
225-330-500	5	Message Rate Trunk Circuits — Operation Tests Using Test Set SD-31858-01 (J34701A)	225-610-500	2	Local and Incoming Selectors — Operation Tests Using Test Set H-35348 or H-35690
225-330-501	5	Message Rate Trunk Circuits — Operation Tests Using Test Set SD-31859-01 (J34722B)	225-615-500	1	A-B Toll Transmission Selectors — Operation Tests Using Test Set SD-31858-01 (J34701A)
225-335-500	5	Coin Trunks — Postpayment Type — Operation Tests	225-620-500	1	Reverting Call Selectors — Operation Tests Using Test Set H-35348 or H-35690
225-340-500	2	Switch Trouble, Fuse and Permanent Alarms — Operation Tests	225-625-500	3	Local and Combination Connectors — Local Operation Tests Using Test Set H-35348 or H-35690
225-345-500	6	Trouble and Fuse Alarms — Miscellaneous Circuits — Operation Tests	225-630-500	4	Auxiliary Coin Lines and Coin Trunks — Postpayment Type — Operation Tests
			225-635-500	2	Outgoing Interoffice Trunks — Operation Tests Using Dial Hand Test Set
			225-645-500	2	Trunks From Selector Levels — Continuity and Polarity Tests Using Dial Hand Test Set

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225-650-500	3	Switch Trouble, Fuse, and Permanent Alarms — Operation Tests
225-655-500	1	Miscellaneous Trouble and Fuse Alarms — Operation Tests
225-660-500	1	Traffic Register Circuits — Operation Tests

225-7 375A AND 375B COMMUNITY DIAL OFFICES

225-700-500	1	Line Finders — Operation Tests Using Dial Hand Test Set
225-705-500	1	Code Ringing Connectors — Operation Tests Using Dial Hand Test Set
225-710-500	1	Interoffice Trunks — Operation Tests
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225-8 NORTH ELECTRIC COMPANY CX-TYPE COMMUNITY DIAL OFFICES

225-800-500	1	Line Finder and Line Circuit — Call Through Test
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225-810-500	1	Selectors — Operation Tests
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225-825-500	1	Interoffice Trunks — Operation Tests
225-830-500	2	Call Through Tests
225-835-500	2	Alarm, Traffic Register and Ringing Transfer Circuits — Operation Tests — Offices With Non-Standard Alarm Indications
225-840-500	1	Alarm, Traffic Register and Ringing Transfer Circuits — Operation Tests — Offices With Standard Alarm Indications

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- 226-0 Indexes and Administrative Practices
- 020 Network Switched Services (Administration and Maintenance) Methods
- 060 Network Design
- 1 General Information
- 100 General System Information
- 2 Line Finders, Trunk Finders, and Associated Circuits
- 3 Selectors
- 4 Connectors
- 5 Trunks and Trunk Circuits
- 6 Pulse Repeaters and Out-Trunk Switches
- 7 Traffic and Message Registers
- 8 Alarms, Switchboards, and Miscellaneous Equipment

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226-0 INDEXES AND ADMINISTRATIVE PRACTICES		
• ♠ 226-000-000	32	Numerical Index — Division 226 — Equipment Common to More Than One Type Step-by-Step and Community Dial Office
226-000-005	2	Alphabetical Index — Step-by-Step and Community Dial Offices

226-001 Controlled Maintenance Plan and Equipment Test Lists (ETL)

226-001-013	7	ETL — Toll Selectors
226-001-014	10	ETL — Toll Transmission Loop Dial Selectors
226-001-015	7	ETL — Toll Transmission Repeated Dial Selectors
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226-020 Network Switched Services (Administration and Maintenance) Methods

226-020-050	2	Network Administration Center — Center Evaluation — Step-by-Step Switching System
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226-1 GENERAL INFORMATION

226-100 General System Description

♥ 226-100-010	1	System Description — Local and Toll
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♥ 226-100-014	1	System Description — Centrex
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226-145-300	1	Cable Protective Device Alarm, Cable Insulation Alarm and Permanent Signal Alarm Circuit SD-31912-01 — Procedure in Case of Alarm
226-160-300	3	Method of Taking Equipment Out of Service
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226-2 LINE FINDERS, TRUNK FINDERS, AND ASSOCIATED CIRCUITS

226-200-500	1	Line Finders — Without Control Circuit — Operation Tests Using Dial Hand Test Set
226-200-501	7	Line Finders — Without Control Circuit — Operation Tests — Using Trunk Test Set SD-90469-02 (J94710A) and Auxiliary Test Set SD-32173-01 (J34726)
226-200-502	9	Line Finders — Without Control Circuit — Operation Tests Using 2-Party Message Rate Type Test Set SD-31456-01 (J34715A) and Auxiliary Test Set SD-32173-01 (J34726)

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226-200-503	6	Line Finders — Without Control Circuit — Operation Tests Using 2-Party Message-Rate Type Test Set SD-31151-01 (X61404A) or SD-31258-01 (J34702A) and Auxiliary Test Set SD-32173-01 (J34726)	226-300-505	2	Rotary Tests Using Test Set ES-30068-01 or SD-31115-01 (J34707A)
226-200-504	4	Line Finders — Without Control Circuit — Operation Tests Using Trunk Test Set SD-90469-01 (J94710A)	226-300-506	5	Rotary and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)
Add 226-200-505	1		226-300-507	6	B and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)
226-200-505	10	Line Finders — Without Control Circuit — Operation Tests Using Individual Message-Rate Type Test Set — ES-30417-01 (X-61351), SD-31246-01 (J34703A), or SD-31524-01 (J34718A) and Auxiliary Test Set SD-32173-01 (J34726)	226-305-500	9	Local and Toll Selectors — Operation Tests Using Dial Hand Test Set or 40C Test Set
226-200-506	2	Line Finders — Rapid Operation Tests Using Test Set SD-31725-01 (J34721A)	226-305-501	4	Local and Toll — Operation Tests Using Test Set SD-31858-01 (J34701A)
226-200-507	6	Line Finders — Operation Tests Using Test Set SD-90210-01 (J34704A) or SD-90416-01 (J94704A)	226-305-502	4	Local and Toll — Operation Tests — Using Test Set SD-31859-01 (J34722B)
226-200-508	4	Line Finders — Line Tests Using Test Set SD-90210-01 (J34704A) or SD-90416-01 (J94704A)	226-305-503	6	Local and Toll — Operation Test Using Test Set SD-90210-01 (J34704A) or SD-90416-01 (J94704A)
226-200-509	4	Line Finders — Line Tests Using 2-Party Message Rate Type Test Set — SD-31151-01 (X-61404A), SD-31258-01 (J34702A) or SD-31456-01 (J34715A)	226-305-504	2	Incoming and Intermediate — Seizure Test
226-200-510	4	Line Finders — Line Tests Using Individual Message Rate Type Test Set — ES-30417-01 (X-61351), SD-31246-01 (J34703A), or SD-31524-01 (J34718A)	226-310-500	3	Toll Transmission — Operation Tests Using Test Set SD-31858-01 (J34701A)
226-205-500	4	Line Finders — With Control Circuit — Operation Tests Using Dial Hand Test Set	226-310-501	5	Loop Dialing Toll Transmission — Operation Tests Using Test Set SD-30387-01 (J34713A)
226-210-500	2	Line Finders — Serving Two Classes of Lines — Normal Post Spring Operation Tests	226-310-502	5	Loop Dialing Toll Transmission — Operation Tests Using Test Set ES-30007-01 (X-61341)
226-215-500	6	Line and Trunk Finder Group and Chain Circuit — Miscellaneous Tests	226-310-503	5	Loop Dialing Toll Transmission — Associated Jack Method Of Coin Control — Coin Control Tests Using Test Sets SD-30387-01 (J34713A) or ES-30007-01 (X-61341)
226-220-500	7	Trunk Finders for Concentrating Intercepting and Verification Request Trunks — Operation Tests Using Trunk Test Set SD-90469-01 (J94710A) or SD-90469-02 (J94710A)	Add 226-310-504	1	
226-220-501	7	Trunk Finders for Concentrating Intercepting and Verification Request Trunks — Operation Tests Using Test Set SD-31456-01 (J34715A) or SD-31524-01 (J34718A)	226-310-504	3	Loop and Repeated Dialing Toll Transmission — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)
226-3 SELECTORS			226-310-505	5	Repeated Dialing Toll Transmission — Operation Tests Using Toll Train and Coin Box Trunk Test Set ES-241636
226-300-500	5	Pulsing Tests Using Pulsing Test Set SD-31481-01 (J34717A)	226-310-506	1	Repeated Dialing Toll Transmission Selectors and Toll Coin Control Switches — Coin Control and Operation Tests Using Toll Train and Coin Box Trunk Test Set ES-241636
226-300-501	4	Rotary Test Using Dial Hand Test Set	226-310-507	1	Repeated Dialing Toll Transmission — Associated Jack Method of Coin Control — Coin Control Tests Using Toll Train and Coin Box Trunk Test Set ES-241636
226-300-503	4	Rotary Test Using No. 40C Test Set	226-315-500	3	Loop and Repeated Dialing A-B Toll Transmission Selectors — Operation Tests Using Test Set SD-90469-01 (J94710A)
226-300-504	4	Rotary Test Using Test Set SD-31616-01 (J34716A)	226-315-501	3	Loop Dialing A-B Toll Transmission — Operation Tests Using Test Set SD-30387-01 (J34713A) or ES-30007-01 (X-61341)
			226-315-502	4	Loop Dialing Toll and A-B Toll Transmission and Other Selectors With Loop Compensating Resistances — Pulse Repeating and Pulsing Tests Using Pulse Repeating SD-31667-01 (J34720A) and Pulsing SD-31481-01 (J34717A) Test Sets

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226-315-503	3	Toll and A-B Toll Transmission — Operation Tests Using Test Set SD-90416-01 (J94704A)	226-340-511	7	8- and 10-Party Reverting Call — Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)
226-320-500	2	Coin Control — Pulsing Tests Using Pulsing Test Set SD-31481-01	226-340-512	1	10-Party Terminal Per Line Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-31478-01 or SD-31479-01
226-320-501	2	Coin Control — Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)	226-340-513	2	10-Party Terminal Per Line Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-30998-01
226-320-502	4	Loop Dialing Coin Control — Operation Tests Using Test Set SD-30387-01 (J34713A) or ES-30007-01 (X-61341)	226-340-514	2	Reverting Call — 5-, 10-, and 20-Party Terminal Per Line — Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01
226-325-500	2	Code — Call Through Tests — From Associated Auxiliary Trunk Circuit Using Dial Hand Test Set	226-340-515	2	Reverting Call — 5-, 10-, and 20-Party Terminal Per Line — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-31857-01
226-330-501	2	Selector Repeaters — Rotary and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)	226-4 CONNECTORS		
226-330-502	3	Selector Repeaters — Operation Tests Using Test Sets SD-31858-01 (J34701A), SD-90469-01 or SD-90469-02 (J94710A)	226-400-500	8	Pulsing Tests — Using Pulsing Test Set SD-31481-01 (J34717A)
226-340-500	3	Reverting Call — Pulsing Tests Using Pulsing Test Set SD-31481-01 (J34717A)	226-400-501	7	Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)
226-340-501	3	Reverting Call Selectors — Operation Tests Using Test Set SD-90416-01 (J94704A) and Test Line SD-32198-01	226-400-502	2	Seizure Test
226-340-502	3	Reverting Call — Operation Tests Using Test Set SD-90469-02 (J94710A) and Test Line SD-32198-01	226-400-503	2	Operation Tests Using A.E. Co.'s Test Set
226-340-503	3	2- and 4-Party Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-30998-01	226-405-500	5	Local — Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01
226-340-504	2	2- and 4-Party Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-31478-01 or SD-31479-01	Add 226-405-501	1	
226-340-505	3	Reverting Call — 2-Party Selective and 4-Party Semiselective — Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01	226-405-501	6	Local — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-31857-01
226-340-506	3	Reverting Call — 2-Party Selective and 4-Party Semiselective — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-31857-01	226-410-500	7	Local Level Hunting — Operation Tests — Using Connector Test Set SD-31637-01 or SD-31637-02 (J34719A) — Step-by-Step Systems
226-340-507	2	8-Party Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-30998-01	226-410-501	6	Local Level Hunting — Operation Tests — Using Connector Test Set SD-30502-01 (J34711A)
226-340-508	2	8-Party Reverting Call — Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01	Add 226-415-500	2	
226-340-509	2	8-Party Reverting Call — Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Lines SD-31857-01 and SD-30981-01	226-415-500	6	Local and Combination — Operation and Pulsing Tests Using Connector Test Set SD-31637-01 or SD-31637-02 (J34719A) and Pulsing Test Set SD-31481-01 (J34717A)
226-340-510	1	8-Party Reverting Call — Operation Tests Using Dial Hand Test Set and Test Circuit SD-31478-01 or SD-31479-01	226-415-501	6	Local and Combination — Operation and Pulsing Tests Using Connector Test Set SD-30502-01 (J34711A) and Pulsing Test Set SD-31481-01 (J34717A)
			226-415-502	7	Local and Combination — Rapid Operation Tests — Using Dial Hand Test Set and Test Line SD-31653-01
			226-415-503	5	Local and Combination — Rapid Operation Test — Using Connector Test Set SD-30502-01 (J34711A) and Pulsing Test Set SD-31481-01 (J34717A)

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226-415-504	6	Local and Combination — Rapid Operation Test — Using Connector Test Set SD-31637-01 or SD-31637-02 (J34719A) and Pulsing Test Set SD-31481-01 (J34717A)	226-440-502	2	Coin Control — Operation Tests Through Auxiliary Line Circuit Using Test Set SD-31858-01 (J34701A)
226-415-505	3	Local and Combination — Local Operation Tests Using Test Set SD-90416-01 (J94704A) or SD-90210-01 (J34704A) and Test Line SD-32198-01	226-5 TRUNKS AND TRUNK CIRCUITS		
226-415-506	6	Local and Combination — Local Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A) and Test Line SD-32198-01	226-500-500	1	Auxiliary Trunk Circuit SD-32071-01 Arranged for Right of Way on Emergency Calls — Operation Tests Using Dial Hand Test Set
226-415-507	6	Local and Combination — Operation Tests Using Test Set SD-90210-01 (J34704A) or SD-90416-01 (J94704A) and Test Line SD-32198-01, SD-32164-01 or SD-31261-01	226-501-500	1	Auxiliary Trunk Circuits SD-32070-01 and SD-32104-01 Arranged for Right of Way on Emergency Calls — Operation Tests Using Dial Hand Test Set
226-420-500	4	Combination Toll Operation Tests Using Test Set SD-31858-01 (J34701A) and Test Line SD-31857-01 (J33017F)	226-502-500	3	Auxiliary Trunk Circuit — Prepayment Coin Service — Operation Tests Using Test Set SD-31858-01 (J34701A)
226-420-501	3	Combination — Toll Operation Tests Using Test Set SD-31859-01 (J34722B) and Test Line SD-31857-01 (J34017F)	226-502-501	2	Auxiliary Trunk Circuit SD-32025-01 — Prepayment Coin Service — Operation Tests Using Trunk Test Set SD-90469-02 (J94710A)
226-425-500	3	Toll and Combination — Toll Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A) and Test Line SD-32198-01	226-503-500	1	Auxiliary Trunk Circuit SD-32341-01 — Operation Test Using Dial Hand Test Set
Add 226-430-500	1		226-504-500	1	Auxiliary Trunk Circuit for Automatic Timed Release SD-32540-01 — Timing Test
226-430-500	5	Loop Dialing Toll — Operation and Pulsing Tests Using Connector Test Set SD-31637-01 or SD-31637-02 (J34719A) and Pulsing Test Set SD-31481-01 (J34717A)	226-505-500	1	Auxiliary Line Circuit SD-35002-01 — Hotel-Motel Service — Operation Tests
226-430-501	4	Loop Dialing Toll — Operation Tests Using Test Set SD-30387-01 (J34713A) or ES-30007-01 (X-61341)	226-507-500	2	Permanent Signal Holding Trunk SD-32370-01 — Miscellaneous Tests
226-430-502	3	Repeated Dialing Toll — Operation Tests Using Toll Train and Coin Box Trunk Test Set ES-241636	226-508-500	1	Interoffice Trunks to Step-by-Step Offices — Operation Test Using Trunk Test Set ES-30096-01
226-435-500	4	Loop Dialing Toll Level Hunting — Operation Tests Using Test Set SD-30387-01 (J34713A) or ES-30007-01 (X-61341)	226-508-501	1	Interoffice Trunks — Continuity and Polarity Test Using Test Set SD-31426-01
226-435-501	4	Loop Dialing Toll Level Hunting — Operation Tests Using Connector Test Set SD-31637-01 or SD-31637-02 (J34719A)	226-508-502	1	Interoffice Trunks — Continuity and Polarity Tests Using Test Set SD-31725-01 (J34721A)
226-437-500	1	Connectors and Toll Transmission Selectors — 1000-Cycle Transmission Tests — Using Portable Transmission Measuring Set — Step-by-Step Systems	Add 226-508-503	1	
226-440-500	1	Coin Connector and Associated Coin Control Trunk Circuit — Coin and Rering Tests	226-508-503	2	Interoffice Trunks — Operation Tests Using Test Set SD-31859-01 (J34722B)
226-440-501	2	Coin Control — Prepayment Coin Service — Operation Test Using Test Set SD-90469-02 (J94710A)	226-508-504	2	Interoffice Trunks — Operation Tests Using Test Set SD-90469-01 or SD-90469-02 (J94710A)
			226-508-505	2	Interoffice Trunks Operator Identified to CAMA Office — Operation Tests
			226-511-500	1	Incoming Trunk Circuits SD-31703-01 — Operation Tests Using Test Sets SD-31858-01 (J34701A), SD-90469-01 or SD-90469-02 (J94710A)
			226-514-500	2	2-Way Operator Office Trunks and Associated Coin Control Trunk — Coin, Noncoin, and Rering Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)
			226-517-500	2	Coin Trunks — Pulsing Tests — Per Cent Break Method Using Pulsing Test Set SD-31481-01 (J34717A) and Pulse Repeating Test Set SD-31667-01 (J34720A)

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226-517-501	5	Coin Trunks — Operation Tests Using Loop Dialing Toll Train and Coin Trunk Test Set ES-30007-01 (X-61341) or SD-30387-01 (J34713A)	226-524-503	5	Recording-Completing Trunks — Operation Test Using Test Set SD-31858-01 (J34701A)
226-517-502	5	Coin Trunks — Operation Tests Using Repeated Dialing Toll Train and Coin Box Trunk Test Set ES-241636 (X-61116)	226-524-504	2	Outgoing Trunk Circuit SD-35059-01 — 0+, 0— ONI Operation — TSPS/RTA — Operation Tests — Using Trunk Test Set SD-31858-01 (J34701A) or SD-90469-01 or SD-90469-02 (J94710A)
226-521-502	2	Coin Trunk Circuit SD-31592-02 Arranged for Coin First Service — Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A) — Step-by-Step Systems	226-525-500	1	Operators' Recording-Completing Trunks — Operation Tests — "A" Switchboards
226-521-503	2	Coin-Trunk Circuit SD-31592-02 — Arranged for Coin First Service — Operation Tests — Using Test Set SD-31858-01 (J34701A)	226-527-500	6	Trunks From Local Selector Levels — Continuity Tests Using Dial Hand Test Set
226-521-504	2	Coin Trunk Circuit SD-31592-02 and Auxiliary Coin Trunk Circuit SD-32538-01 — Arranged for Dial-Tone-First Service — Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-527-501	2	Trunks From Local Selector Levels — Continuity Test Using Trunk Test Set ES-30096-01
226-521-505	2	Coin Trunk Circuit SD-31592-02 and Auxiliary Coin Trunk Circuit Arranged for Dial-Tone-First Service — Operation Tests — Using Test Set SD-31858-01 (J34701A)	226-528-500	1	Trunks From Selector Levels to Information Desks — Operation Tests Using Trunk Test Set ES-30096-01
Add 226-521-506	1		226-529-500	1	Trunks From Selector Levels to Special Service Positions — Operation Tests Using Trunk Test Set ES-30096-01
226-521-506	2	Coin Trunk Circuit SD-32539-01 — Arranged for Coin First Service — Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-531-500	1	Trunks From Selector Levels to Recording Positions — Operation Tests Using Trunk Test Set ES-30096-01
226-521-507	2	Coin Trunk Circuit SD-32539-01 — Arranged for Coin First Service — Operating Tests — Using Test Set SD-31858-01 (J34701A)	226-532-500	1	Trunks From Vacant Local Selector Levels to Intercepting Positions — Operation Test Using Trunk Test Set ES-30096-01
226-521-508	2	Coin Trunk Circuit SD-32539-01 — Arranged for Dial-Tone-First Service — Operation Tests — Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A)	226-533-500	3	Trunks From Local Selector Levels to Desks and Switchboard Positions — Operation Tests Using Dial Hand Test Set
226-521-509	2	Coin Trunk Circuit SD-32539-01 — Arranged for Dial-Tone First Service — Operation Tests — Using Test Set SD-31858-01 (J34701A)	226-534-500	3	911 Emergency Service Trunk — Operation Tests — Using Trunk Test Set SD-90469-01, SD-90469-02 (J94710A), or SD-31858-01 (J34701A)
Add 226-522-300	2		226-535-500	1	Trunks From Selector Levels to No. 12 Local Test Desks — Operation Test Using Trunk Test Set ES-30096-01
226-522-300	1	Local Coin Overtime (LCOT) Charging Circuit SD-35046-01 — Description, Operation, and Trouble Locating — Step-by-Step Systems	226-536-500	1	Trunks From Selector Levels to I-C Repair Clerks' Desk — Operation Test Using Trunk Test Set ES-30096-01
226-524-500	2	Loop Dialing Recording-Completing Trunks From Coin Box Trunk Groups — Operation Tests Using Trunk Test Set SD-30387-01 (J34713)	226-539-500	1	Trunk From Levels of Repeated Dialing — Toll Transmission Selectors — Continuity Test Using Test Set SD-90469-01 (J94710A)
226-524-501	1	Repeated Dialing Recording-Completing Trunks From Coin Box Trunk Groups — Operation Tests Using Toll Train and Coin Box Trunk Test Set ES-241636	226-540-500	1	Trunks From Levels of Repeated Dialing — A-B Toll Transmission Selectors — Continuity Tests Using Test Set SD-90469-01 (J94710A)
226-524-502	8	Recording-Completing Trunks — Coin and Noncoin — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J94710A) Step-By-Step Systems	226-541-500	1	Trunk From Levels of Loop Dialing — Toll and A-B Toll Transmission Selectors — Continuity Tests Using Test Set SD-90469-01 (J94710A)
			226-542-500	2	Trunks From Levels of Loop and Repeated Dialing — Toll Intermediate Selectors — Continuity and Polarity Tests Using Test Set SD-90469-01 or SD-90469-02 (J94710A)

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226-543-500	3	Interswitch Trunks From Levels of Loop Dialing Toll Transmission and Toll Intermediate Selectors — Test of C and S Leads Using Dial Hand Test Set	226-559-500	2	Intercepting and Verification Request Trunks From Connectors — Intercepting Handled at DSA Switchboard — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J947 10A)
226-546-500	1	Trunks From Vacant Connector Terminals — Operation Tests Using Trunk Test Set ES-30096-01	226-560-500	1	Intercepting and Verification Request Trunks From Connectors — Intercepting Handled at Toll Switchboard or Operating Room Desk — Operation Tests Using Dial Hand Test Set
226-550-500	1	Intercepting Trunks From Local Selector Levels — Intercepting Handled at Toll Switchboard or Operating Room Desk — Operation Tests Using Trunk Test Set SD-90469-01 and SD-90469-02 (J947 10A)	226-561-500	3	Intercepting and Verification Request Trunks From Connectors — Intercepting Handled at DSA Switchboard — Operation Tests Using Dial Hand Test Set
226-551-500	2	Intercepting Trunks From Local Selector Levels — Intercepting Handled at DSA Switchboards — Operation Tests Using Trunk Test Set SD-90469-01 and SD-90469-02 (J947 10A)	226-562-500	1	Intercepting and Verification Request Trunks From Connectors — Intercepting Handled at Toll Switchboard or Operating Room Desk — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J947 10A)
226-552-500	2	Intercepting Trunks From Toll Selector Levels — Intercepting Handled at DSA Switchboard — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J947 10A)	226-565-500	7	Individual Line Message-Rate Trunks — Line Finder Type — Operation Tests Using Individual Line Message-Rate Type Test Set SD-31246-01 (J34703A) or SD-31524-01 (J347 18A)
226-553-500	1	Intercepting Trunks From Toll Selector Levels — Intercepting Handled at Toll Switchboard or Operating Room Desk — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J947 10A)	226-565-501	5	Individual Line Message Rate Trunks — Line Finder Type — Operation Tests — Using 2-Party Message Rate Type Test Set SD-31258-01 (J34702A) or SD-31456-01 (J347 15A)
226-554-500	1	Intercepting Trunks From Trunk Finders to a No. 14C, 14D, or 15C Switchboard Arranged to Trip Machine Ringing Before Extending Call to Operator — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J947 10A)	226-566-500	2	2-Party Message Rate Trunks — Pulsing Tests — Per Cent Break Method Using Pulsing Test Set SD-31481-01 (J347 17A) and Pulse Repeating Test Set SD-31667-01 (J34720A)
226-554-501	2	Intercepting Trunks From Trunk Finders to a No. 14C, 14D or 15C Switchboard Arranged to Trip Machine Ringing After Extending Call to Operator — Operation Tests Using Trunk Test Set SD-90469-01 and SD-90469-02 (J947 10A)	226-566-501	4	2-Party Message Rate Trunks — Line Finder Type — Operation Tests Using Test Set SD-31151-01 (X-61404A) SD-31258-01 (J34702A) or SD-31456-01 (J347 15A)
226-555-500	1	Intercepting Trunks From Trunk Finders to Toll Switchboard or Operating Room Desk Arranged to Trip Machine Ringing Before Extending Call to Operator — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J947 10A)	226-569-500	5	PBX Trunks from Selector Levels SD-31757-01 — Operation Tests Using Test Set ES-241798, SD-30502-01 (J347 11A), SD-31637-01 or SD-31637-02 (J347 19A)
226-555-501	1	Intercepting Trunks From Trunk Finders to Toll Switchboard or Operating Room Desk Arranged to Trip Machine Ringing After Extending Call to Operator — Operation Tests Using Trunk Test Set SD-90469-01 or SD-90469-02 (J947 10A)	226-572-500	1	Toll Diverting Trunks — Operation Tests Using Trunk Test Set SD-90469-02 (J947 10A)
226-556-500	2	Outgoing 2-Wire Intercepting Trunks From Trunk Finders Arranged for Regular or Trouble Intercept to Operator or to Machine Announcement — Operation Tests Using Test Set SD-90469-01 or SD-90469-02 (J947 10A)	226-575-500	2	Outgoing Trunks — Test of DC Key Pulsing — 15C Switchboard
226-557-500	1	Intercepting Trunk — From Connectors and Selectors Using an Announcement Machine — Operation Tests Using Dial Hand Test Set	226-577-500	2	Outgoing Dialing Trunks — Operation Tests — "A" Switchboards
			226-588-500	6	Trunk Transmission Tests — Step-by-Step Offices Not Provided With Manual Trunk Test Frame
			226-588-501	1	PBX Trunk Relay Equipment — 1000-Hertz Transmission Test — Using Portable Transmission Measuring Set — Step-by-Step Systems

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226-590-500	4	Trunk Transmission Tests — Step-by-Step Offices Provided With Manual Outgoing Trunk Test Frame SD-32349-01	226-705-500	3	Line Message Registers Associated With Line Finder Equipment — Cross Connection and Operation Tests Using Test Set SD-30490-01 (J34706A) and Test Line SD-31610-01 or Equivalent
226-590-501	1	Trunk Transmission Tests — Circuits Terminated at Commercial ACD — Step-by-Step Systems	226-705-501	1	Line Message Registers Associated With Line Finder Equipment Arranged for Overtime Charging — Cross Connection and Operation Tests Using Test Set SD-30490-01 (J34706A) and Test Line SD-31610-01 or Equivalent
226-591-101	2	Automatic Outgoing Trunk Test Frame — Description	226-705-502	1	Low Resistance line Message Registers — Cross Connection and Operation Tests Using Test Set SD-32150-01 (J34725A) and Test Line SD-31610-01 or Equivalent
226-591-300	2	Compiling Data for Control Tapes — Automatic Outgoing Trunk Test Frame	226-8 ALARMS, SWITCHBOARDS, AND MISCELLANEOUS EQUIPMENT		
226-591-301	2	Preparation of Control Tapes — Automatic Outgoing Trunk Test Frame	226-800-500	6	Switch Trouble and Fuse Alarms — Operation Tests
226-591-501	2	Operational and Transmission Tests on Outgoing Dial Trunks Using Automatic Outgoing Trunk Test Frame SD-32504-01	226-801-500	8	Trouble and Fuse Alarms — Miscellaneous Circuits — Operation Tests
226-591-510	1	Automatic Outgoing Trunk Test Frame — SD-32504-01 — Tests	226-802-500	1	Cable Protective Device Alarm, Cable Insulation Alarm and Permanent Signal Alarm Circuit SD-31912-01 — Operation Tests
226-591-701	1	Adjustment of Line Build-Out Networks — Automatic Outgoing Trunk Test Frame SD-32504-01	226-803-500	3	Permanent Alarms — Selectors, Connectors, P.B.X. Trunks, and Reverting Call Selectors — Operation Tests
226-6 PULSE REPEATERS AND OUT-TRUNK SWITCHES			226-804-500	1	Pulse Generator and Counting Circuit SD-32310-01 — Alarm and Transfer Test
Add 226-600-500	1		226-806-500	1	Precise Busy Tone Supply J87353A — Tests
226-600-500	5	Outgoing Repeaters — Pulsing and Continuity Test — Using Trunk Test Set SD-90469-02 (J94710A) or Using Pulsing Test Set SD-31481-01 (J34717A)	226-807-500	1	Voice Alarm and Control Circuit SD-27980-01 for Announcement System 7A — Tests
226-600-501	2	Outgoing Repeaters — Pulsing Tests — Per Cent Break Method Using Pulse Repeating Test Set SD-31667-01 (J34720A) and Pulsing Test Set SD-31481-01 (J34717A)	226-807-501	1	Interface and Alarm Circuit SD-35067-01 for 13A Announcement System — Tests
226-600-502	1	Repeaters — C Relay Release Test Using Dial Hand Test Set	226-808-501	1	Telecommunications Alarm Surveillance and Control (TASC) — Interconnection Circuit Tests — Step-by-Step Offices
226-600-503	4	Repeaters — B and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)	226-810-500	4	Line Load Control Equipment — Operation Tests
226-605-500	3	Rotary Out-Trunk Switch SD-32253-01 — Operation Test Using Dial Hand Test Set	226-813-500	1	Calling Line Identification Circuits for Intra SXS Office Calls — Tests
226-610-500	6	Rotary Out-Trunk Switches Arranged for Preselection — Operation Tests Using Test Set SD-31426-01 (J34714A)	226-814-500	1	Emergency Manual Circuits for Manual Operation and Interception of Subscriber Lines and Trunk Circuits — Operation Tests Using Dial Hand Test Set
226-610-501	7	Rotary Out-Trunk Switches Arranged for Preselection — Operation Tests Using Trunk Test Set SD-90469-02 (J94710A)	226-816-500	2	Line Adapter Circuit SD-32072-01 Arranged for Right of Way on Emergency Calls — Operation Tests Using Dial Hand Test Set
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226-820-500	1	Trunk Group Usage Circuit SD-32049-01 — Operation Tests	226-834-700	3	Adjustment of Line Build-Out Network — Remote Office Test Line (ROTL-3)
226-822-500	2	Coin Timing and Coin Collect and Monitor Circuits for Overtime Charging — Operation Tests Using Trunk Test Set SD-90469-01 (J94710A)	226-834-701	2	Portable Remote Office Test Line (ROTL-3) — Adjustment of Line Build-Out Network
226-824-500	2	Timing Intervals for Coin and Message Rate Overtime Charging Using Test Set SD-32031-01 (J34723)	226-836-101	1	30A Level Distribution Register — Description
226-826-500	4	Plugging-Up Circuits — Operation Tests	Add 226-836-500	1	
226-828-500	3	Test Distributors — Pulsing Tests Using Pulsing Test Set SD-31481-01 (J34717A)	226-836-500	3	Contact Noise Measurements Using 30A Level Distribution Register
226-828-501	7	Test Distributors — Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A)	226-838-500	1	Auxiliary Line Circuits Arranged for Right of Way on Emergency Calls — Operation Tests Using Dial Hand Test Set
226-829-100	1	Remote Office Test Line (ROTL) — Description	226-838-501	1	Common Systems — Line Circuit SD95873-01 (or Equivalent) — Public Emergency Reporting — Tests
226-829-500	1	Remote Office Test Line (ROTL) SD-32521-01 — Tests	226-840-500	3	Auxiliary Coin Lines — Postpayment Type — Operation Test
226-829-700	2	Adjustment of Line Build-Out Network — Remote Office Test Line SD-32521-01	226-842-500	3	Auxiliary Line Circuit — Prepayment Coin Service — Operation Test Using Test Set SD-31858-01 (J34701A)
226-830-500	1	Line Insulation Test Frame — Maintenance and Calibration Tests	226-842-501	3	Auxiliary Line Circuits — Prepayment Coin Service — Operation Test Using Test Set SD-90469-02 (J94710A)
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226-831-100	2	Expanded Remote Office Test Line Arrangements — Descriptive Information	226-846-500	3	DC Key Pulsing Senders Arranged to Transmit Dial Pulses — Operation Tests Using Manual Test Circuit SD-90635-01 — No. 1 and No. 3 Type Toll Switchboards and No. 15C Switchboard
226-832-500	1	Call-Through Tests Using Call-Through Test Set SD-90603-01 (J94715) or SD-21069-01 (J24714)	226-846-501	2	DC Key Pulsing Senders — Operation Tests Using Automatic Test Circuit SD-90424-01 — No. 1 and No. 3 Type Toll Switchboards and 15C Switchboards
Add 226-833-500	1		226-847-501	1	Automatic Test Circuit — For Keypulsing Senders SD-90424-01 — Operation Tests — Step-by-Step Offices
226-833-500	3	Call-Thru Tests Using Automatic Call-Thru Test Set SD-32522-01 (J34728) — No. 1 and 350A Step-by-Step, 355A and 35E97 Community Dial Offices	226-848-500	3	Cord Circuit Supervisory Relays — Current Flow Tests — Nos. 14C, 14D, and 15C "A" Switchboards
226-834-100	3	Remote Office Test Line (ROTL-3) — Description — Step-by-Step Offices	226-850-500	3	Cord Circuit Sleeve Relays — Current Flow Tests — Nos. 14C, 14D, and 15C "A" Switchboards
226-834-101	2	Portable Remote Office Test Line (ROTL-3) — Description — Step-by-Step Offices	226-852-500	2	Recording Completing Cord Circuits — 15C or 15D "A" Switchboard
226-834-300	3	Remote Office Test Line (ROTL-3) — Acceptance Tests	226-854-500	3	Intercepting and Special Service Cord Circuits — Operation Test Using Testing Circuit SD-31025-01 or SD-90501-01
226-834-301	2	Portable Remote Office Test Line-3 (ROTL-3) — Acceptance Tests			
● 226-834-310	1	Mini-RTTU (Remote Trunk Test Unit) With RTMB (Remote Trunk Make Busy) Option — Data Base Operating Instructions			
226-834-500	1	Remote Office Test Line (ROTL-3) — Trouble Locating Procedures			

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227-100-506	3	Intertoll Transmission Selectors — Test of C and S Leads Using Dial Hand Test Set
227-100-507	1	Intertoll Selectors — Permanent Alarms — Operation Test
227-105-500	1	Traffic Registers — Associated With Intertoll Selectors — Tests
227-110-500	1	Intertoll Through Selectors — Group Busy and Overflow Circuit — Operation Tests Using Dial Hand Test Set

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- 227-100-501 2 Intertoll Selectors — Rotary Test Using 40C Test Set
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- 227-100-503 3 Intertoll Selectors — Rotary and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A) and Toll Pulse Repeating Test Set SD-64540-01 (J64722A)
- 227-100-504 4 Intertoll Selectors — B and C Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A) and Pulse Repeating Test Set SD-64540-01 (J64722A)

- 227-115-500 2 Rotary Out-Trunk Switch — Operation, Alarm and Register Tests Using Test Circuit SD-56118-01
- 227-115-501 2 Rotary Out-Trunk Switches — Operation, Alarm and Register Tests Using Test Circuit SD-56342-01
- Add 227-120-500 1
- 227-120-500 4 Dial or Automatic Manual Intertoll Trunks Having Selector Multiple Appearances — Operation Tests Using Dial Hand Test Set
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- Add 227-130-500 1
- 227-130-500 5 Trunks From Levels of Intertoll Selectors — Continuity Test Using Dial Hand Test Set
- 227-135-500 1 Intertoll Trunks — Miscellaneous Tests
- 227-145-500 2 Intertoll Timing Circuit SD-64587-01 — Timing and Alarm Tests
- 227-160-500 1 Directional Reservation Circuit ISD-56470-01 — Operation and Register Test
- 227-165-500 2 Controllers — Intertoll Trunk Concentrating Equipment — Operation Tests
- 227-170-300 3 Method of Taking Equipment Out of Service
- 227-185-500 6 Switch Trouble and Fuse Alarms — Tests
- 227-186-500 7 Trouble and Fuse Alarms — Miscellaneous Circuits

227-2 AMA EQUIPMENT

- 227-200-300 4 Trouble Recorder Alarm Procedure and Trouble Analysis
- 227-203-500 2 KS-13834 Perforator and Trouble Recorder Control and Test Circuit — Operation Tests
- 227-205-500 1 Fuse Alarm Tests
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227-212-500	3	Common Number and Class Circuit — Verification of Crossed Sleeve Test	227-245-500	3	Transverter — SD-32203-01 — Operation Tests Using Sender, Identifier, and Transverter Test Circuit
227-215-500	3	Code Connectors — Operation Tests	227-245-501	3	Transverters — Miscellaneous Tests
227-218-500	3	Identifier-Trunk Connectors — Lockout Feature and Lead Continuity Tests	227-251-500	2	Sender-Transverter Connectors — Operation Tests
227-221-300	4	Identifier Cross Connections	227-252-500	1	Dynamic Overload Control — Operation Tests — Using Sender, Identifier, and Transverter Test Circuit SD-32208-01
227-221-500	5	Identifiers — Operation Tests Using Sender, Identifier, and Transverter Test Circuit	227-254-300	1	Taking Equipment Out of Service — Recorder and Recorder Connector Circuits
227-221-501	2	Identifiers — Miscellaneous Tests	227-257-500	2	Rotary Out-Trunk Switches — Miscellaneous Tests Using Trunk Test Set SD-90469-02 (J94710A)
227-222-100	1	Automatic Number Identification-Type E — Description	227-258-500	1	Trunk Finders — Operation Test — Using Trunk Test Set SD-90469-02 (J94710A)
227-222-300	1	Automatic Number Identification — Type E Trouble Locating Procedures	227-260-500	2	Dial Coin Zone Concentrating Circuit — Miscellaneous Tests
227-223-500	1	Translations — Miscellaneous Tests	227-263-500	1	4-IPM Interrupter and Alarm Circuit — Miscellaneous Tests
227-225-500	1	Outgoing Trunk SD-32508-01 Automatic Number Forwarding — Tests Using Trunk and Outpulser Test Frame SD-32511-01	227-266-500	3	Call Count Process Control — Storage and Register Circuit — Operation Tests
227-225-501	1	Outgoing Trunk SD-35006-01 — Automatic Intercept System — Tests Using Trunk and Outpulser Test Frame SD-32511-01 No. 1 Step-by-Step Office Arranged for AMA	227-267-500	2	Traffic Registers — Operating Tests — Step-by-Step Offices Arranged for AMA
227-227-500	2	Outpulser Connector SD-32509-01 — Automatic Number Forwarding and Automatic Intercept System — Operational Tests — No. 1 Step-by-Step Offices Arranged for AMA	227-268-500	2	Plant Registers — Operation Tests — Step-by-Step No. 1 Offices Arranged for AMA
227-228-500	2	Outpulser — Automatic Number Forwarding and Automatic Intercept System — Tests Using Trunk and Outpulser Test Frame SD-32511-01 — No. 1 Step-by-Step Offices Arranged for AMA	227-3 CAMA EQUIPMENT		
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227-236-500	4	Sender-Trunk Connectors — Miscellaneous Tests	227-311-500	1	CAMA Suspension Feature of Jack Key and Lamp Circuit — Tests — Step-by-Step Intertoll Dialing Offices Arranged for CAMA
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227-239-500	3	Senders — Operation Tests Using Sender, Identifier, and Transverter Test Circuit	Add 227-316-500	1	
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227-320-500	1	Trunk Finders — Operation Tests Using Test Set	227-455-300	3	Central Office Automatic Message Accounting Equipment — Precautions to Limit Stoppages in No. 1 Accounting Center
227-325-500	5	Senders — Operation Tests Using Test Circuit SD-32270-01 and Test Set SD-32271-01 (J38913A)	227-5 ANI EQUIPMENT		
227-325-501	5	Senders — Miscellaneous Tests	227-500-100	1	Type B (ANI-B) System — Step-by-Step Office — General Description Information
227-330-500	1	Decoder Connectors — Miscellaneous Tests	227-500-300	5	Automatic Number Identification — Analysis of Trouble Tickets — Step-by-Step Offices Arranged for ANI-Type B
227-331-500	5	Decoders — Operation Tests Using Sender Circuit and Test Set Circuit SD-32271-01 (J38913A)	227-502-500	2	Call-Thru Tests for Local Directory Assistance Trunks With Automated Number Identification — Types B, C, and D — Step-by-Step Offices
227-331-501	4	Decoders — Miscellaneous Tests	227-504-500	3	Fuse Alarms — Step-by-Step Offices — Arranged for ANI-Type B, C, or D
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227-340-500	2	Position Link — Operation Tests Using Test Set SD-32271-01 (J38913A)	227-505-301	2	Method of Making Cross-Connections — Number Network Frame — Step-by-Step Offices — Arranged for ANI-Type B
227-345-500	1	Transverter Connector — Miscellaneous Tests	227-505-800	7	Number Network Frame — 313A and 313B Panels — Piece-Part Data and Replacement Procedures — Step-by-Step Offices Arranged for ANI-Type B
227-346-500	6	Transverters — Tests Using Sender Circuit and Test Set Circuit — SD-32271-01 (J38913A)	Add 227-520-500	1	
227-346-501	3	Transverters — Miscellaneous Tests	227-520-500	2	Customer Lines — Verification Tests — Step-by-Step Offices Arranged for ANI-Type B
227-355-500	2	Calls-Waiting Signal Circuit — Operation Tests	227-525-500	8	Outgoing Trunk Circuits — Operation Tests Using Automatic Trunk Test Circuit SD-32315-01 and Outpulser Identifier Test Circuit SD-95815-01 — Step-by-Step Offices Arranged for ANI-Type B
227-360-500	2	Trunk Transfer Circuit — Operation Tests	227-526-500	2	Outgoing Intercept Trunk to AIS — Operation Tests Using Manual Outgoing Trunk — Test Frame SD-32349-01 — Step-by-Step Offices With ANI-B
227-365-500	2	Traffic Registers — Operations Tests	227-530-300	3	Identifier SD-1C593-01 — Automatic Number Identification-Type B — Location of Faulty Circuit Packs
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227-4 COMMON TO AMA AND CAMA EQUIPMENT			227-530-500	5	Identifier Circuits SD-95810-01 — Tests Using Outpulser-Identifier Test Circuit SD-95815-01 — Step-by-Step Offices Arranged for ANI-Type B
227-400-300	5	Master Timing Circuit SD-25633-01 — Methods of Handling Alarms With Six-Second Timing	227-530-501	1	Identifier Circuits SD-1C593-01 — Tests Using Outpulser-Identifier Test Circuit SD-95815-01 — Step-by-Step Offices Arranged for ANI-Type B
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227-535-500	4	Outpulser-Identifier Test Circuit — Miscellaneous Tests	227-580-500	3	Traffic Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type C and D
227-540-500	7	Outpulser Connector Circuit — Operation Tests — Arranged for ANI-Type B	227-580-501	2	Outgoing Intercept Trunks SD-35037-01 for ANI-C and ANI-D — Operation Tests — Using Test Set SD-35053-01 (J34733A)
227-545-500	5	Outpulser Circuit — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B	227-581-500	5	Plant Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-C and ANI-D
227-545-501	6	Outpulser Circuits — Miscellaneous Tests — Step-by-Step Offices Arranged for ANI-Type B	227-582-500	3	Customer Lines — Verification Test — Using Test and Line Verification Test Circuit SD-35019-01 — Step-by-Step Offices Arranged for ANI-Type D
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227-569-500	5	Plant Registers — Operation Tests — Step-by-Step Offices Arranged for ANI-Type B	Add 227-584-101	1	
227-570-800	2	200-Number Network Units — Piece-Part Data and Replacement Procedures — Step-by-Step Offices — Arranged for ANI-Type C	227-584-101	1	Call Data Accumulator (CDA) Portable Test Set SD-32560-01 Description, Operation and Maintenance
227-571-500	3	Test and Line Verification Circuit — Tests — Step-by-Step Offices Arranged for ANI-Type C	227-584-300	2	Call Data Accumulator — Trouble Locating
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227-575-500	8	Outgoing Trunk Circuits — Tests — Using Test and Line Verification Test Circuit SD-32379-01 — Step-by-Step Offices Arranged for ANI-C	● 227-584-310	1	Mini-Call Data Accumulator — Trouble Locating — Step-By-Step Offices
227-576-500	3	Outpulser Connector Circuit — Operation Tests — Step-by-Step Offices Arranged for ANI-Type C	227-584-350	1	Call Data Accumulator (CDA) — Acceptance Tests
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227-715-300	1	Originating Registers and Outpulsing Controllers Circuit SD-32351-01 — Trouble Locating Procedures	227-811-100	1	Maintenance Instructions for K-Type Relays
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231-001-018	3	1A Processor — No. 1A ESS	231-007-305	2	Analyzing and Locating Trouble in Signal Distributors — 2-Wire and 4-Wire
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231-034-010	3	Combined Miscellaneous Trunk Frame — Description and Theory	★	231-045-110	2 Scanning — Software Subsystem Description (SSD)
231-034-020	3	HILO Universal Trunk Circuits and Frame — Description	★	231-045-115	1 Outpulsing — Software Subsystem Document — Description
231-034-025	3	HILO Miscellaneous Trunk Frame (HILO Incoming Step-by-Step Trunks) — Description	★	231-045-120	1 Peripheral Control — Software Subsystem Description
231-035-000	1	Office Alarm System — Description/Theory	★	231-045-125	2 Operator Functions — Software Description
231-035-010	2	Power Distribution System — Description and Theory	★	231-045-130	1 Coin Functions — Software Subsystem Description
231-036-000	1	Miscellaneous Frames — Description	★	231-045-135	2 Charging — Software Description
231-037-000	2	Centrex Data Loop and Console Control — Description/Theory	★	231-045-140	1 Special Line Service — Software Subsystem Description (SSD)
231-037-020	3	Peripheral Unit Controller — Digital Carrier Trunk and Data Link — Description and Maintenance Considerations	★	231-045-145	1 Translations — Software Subsystem Description (SSD)
231-037-021	2	Digital Carrier Trunk Interface — Description and Maintenance Considerations	★	231-045-150	2 Recent Changes — Software Description
231-037-022	2	No. 10A Remote Switching System Interface Description and Maintenance Considerations	★	231-045-155	1 Queue and General Purpose Software Subsystem Description (SSD)
231-037-023	2	Electronic Tandem Switching — Interface Description and Maintenance Considerations	★	231-045-160	1 Toll/Tandem Switching — Software Subsystem Description
231-037-025	1	Peripheral Unit Controller (PUC) Data Link (DL) — Common Channel Interoffice Signaling (CCIS) — Description and Maintenance Considerations — Generic 1E7/1AE7 and Later — 2- and 4-Wire	★	231-045-165	1 Measurement — Software Subsystem Description
231-038-010	2	2400 Data Link — Common Channel Interoffice Signaling — Description and Maintenance Considerations — (1E7/1AE7 and Later Generics)		231-045-170	2 Network Management — Software Subsystem Description
				<i>Issue 1 was an SPCS Practice.</i>	
			★	231-045-175	1 Centrex Data Link Features — Software Subsystem Description (SSD)
			★	231-045-180	1 Business Communication Services — Software Subsystem Description (SSD)
			★	231-045-200	1 Maintenance Control — Software Subsystem Description
			★	231-045-215	1 Audits — Software Subsystem Description
			★	231-045-220	1 Peripheral Diagnostic and Exercise — Software Subsystem — Description

Section Number	Issue	Subject	Section Number	Issue	Subject
★ 231-045-225	1	Centrex and AIOD Diagnostic and Exercise Programs — Software Subsystem Description (ISSD)	Add 231-048-301	1	General Recent Change and Verification Information — Description — (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
			231-048-301	4	
★ 231-045-230	2	Trunk and Service Circuit Maintenance — Software Subsystem Document	231-048-302	2	Recent Change Message Program Listings, System Acknowledgments, RC18, RC16, RC29, and RC Failure Output Messages — Description (1E6/1AE6 and 1E7/1AE7 Generic Programs)
★ 231-045-235	2	Trunk and Line Test — Software Description			
★ 231-045-245	1	System Performance — Software Subsystem — Description	Add 231-048-303	2	CCIS, CFTRK, TG, TGBVT, TGMEM, TKCONV, and TRK — Trunk Translation Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
			231-048-303	5	
★ 231-045-255	1	Growth — Software Subsystem Description (ISSD)			
★ 231-045-270	1	Network Maintenance — Software Subsystem Description	Add 231-048-304	3	ARS, CCOL, CHRGX, DIGTRN, DITABS, DNHT, IDDD, IWSA, NOCNOG, NOGRAC, RATPAT, RI, RLIST, TDXD, and TNDM, Rate and Route Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
			231-048-304	5	
★ 231-045-275	1	Ringing, Tones, and Recorded Announcement Maintenance — Software Description (ISSD)			
★ 231-045-405	3	Common Channel Interoffice Signaling — Software Description	231-048-305	5	GENT, PSBLK, PSWD, and SUBTRAN — Recent Change Formats (1E6/1AE6 and 1E8A/1AE8A .04 Generic Programs)
★ 231-045-410	1	Digital Carrier Trunk — Software Subsystem Description			
★ 231-045-415	1	10A Remote Switching System — Call Processing — Software Subsystem Description	231-048-306	4	OBS, TOBS, and PLUG — Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
★ 231-045-420	1	10A Remote Switching System Maintenance — Software Description — 2-Wire No. 1/1A Electronic Switching System	Add 231-048-307	1	CTRF, DIGTRN, NUTS, TNCTX, TRFHC, TRFLCU, and TRFSLB Traffic Measurement Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
			231-048-307	4	
★ 231-045-425	1	Voice Storage System — Interface Software — Software Subsystem Description			
★ 231-045-430	2	Peripheral Unit Controller — Software Subsystem Description	Add 231-048-308	2	AC, ACTABL, CUSTCB, DATINK, DAMBI, DAMSK, DATER, ESCO, ESN, SAC, TCM, and TNESN — Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
			231-048-308	3	
★ 231-045-435	1	Automatic Call Distributor — Software Subsystem Description			
★ 231-045-440	1	Peripheral Unit Controller/Data Link — Software Description	Add 231-048-309	1	CTXCB, CTXDI, CXDICH, DITABS, DIG, FLXDG, FLXRD, and FLXRS — Centrex-CO/ESSX-1 Recent Change Formats — (1E6/1AE6 Through 1E8/1AE8 Generic Programs)
			231-048-309	4	
★ 231-045-445	1	H10 4-Wire Operation and Maintenance — Software Subsystem Description — 2-Wire No. 1/1A Electronic Switching System			
★ 231-045-455	1	Electronic Tandem Switching — Software — Description	Add 231-048-310	2	ANIDI, BISI, CAMA, CFG, CLAM, CPD, JUNCT, IRE, MSN, NMTGC, PLM, PUC, PUCMB, RCHAN, ROTL, RSP, RSSCB, SCGA, SIMFAC, and TMBCGA — Recent Change Formats (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
			231-048-310	4	
★ 231-045-460	1	E911 Programs — Software Subsystem Description			
★ 231-045-490	1	ACMOS Operational Software — Software Subsystem Description			
231-048-001	3	Translations — Basic Concepts	Add 231-048-311	1	Translators Not Having Specific Recent Change Messages — Updating Translations — (1E6/1AE6 Through 1E8A/1AE8A Generic Programs)
			231-048-311	3	
231-048-002	1	Line Translation Data — Description			
231-048-003	1	Trunk Translation Data — Description			
231-048-004	1	Routing and Charging Translations — Description	Add 231-048-312	1	ACT, CFV, DNRNGE, LINE, MLHG, MOVE, MPTY, OBS, SCLIST, SIMFAC, TNESN, TWOPTY — Line Recent Change Formats — (1E6/1AE6 Through 1E8A/1AE8A.04 Generic Programs)
			231-048-312	5	
231-048-010	1	MSN, CPDN, and Link List — Translation Data Description			

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231-048-313	2	ICCB — Recent Change Formats — (1E8A and 1AE8A Generic Formats) <i>Issue 1 was an SPCS Practice.</i>	231-050) 2-Wire 1 and 1A ESS Switches Common Task Oriented Practices (TOP)		
			231-059)		
231-048-332	1	Adding a Centrex Console, or Nonconsole Data Link — Recent Change Procedures	▲ ♣ 231-050-001	1	2-Wire Trunk Transmission Tests Using STTP/TLTP/MTTP — No. 1/1A ESS
231-048-333	1	Adding or Removing a Centrex-CO/ESS-1 Customer Overall Procedures (All Generic Programs)	▲ ♣ 231-050-002	2	Signal Distributor and Scanner Miniaturized Trunk Frames
231-048-346	2	Remote Switching System (RSS) — Recent Change Implementation Procedures (1E6/1AE6 and 1E7/1AE7 Generic Programs)	▲ ♣ 231-050-006	2	Trunk Test Panels and Test Lines Operational Tests Lines—Operational Tests (Generics 1E6, 1AE6 and Earlier)
231-048-348	2	Electronic Tandem Switching — Recent Change Implementation Procedures (1A6/1AE6 and 1E7/1AE7 Generic Programs)	▲ ♣ 231-050-007	2	Manual Trunk Test Position — Operational Tests (Generic 1E7 and 1AE7)
● Add 231-048-350	1		▲ ♣ 231-050-008	2	Supplementary Trunk Test Panel — Operational Tests (Generics 1E7 and 1AE7)
231-048-350	2	Carrier Interconnection — Recent Change Implementation Procedures — (1E8A/1AE8A Generic Programs) <i>Issue 1 was an SPCS Practice.</i>	▲ ♣ 231-050-009	2	Trunk and Line Test Panel — Operational Tests
231-049-001	3	1 ESS* Switch to 1A ESS Conversion — Description	▲ ♣ 231-050-010	3	HILO 4-Wire Trunk Transmission Tests Using Manual Trunk Test Position
231-049-101	1	Digital Carrier Trunk — Maintenance Considerations	▲ ♣ 231-050-011	3	HILO 4-Wire Trunk and Service Circuit Tests
231-049-301	1	Trunk Cutover Procedures — Utilizing Trunk Cutover Control Program (TCCPI) — (1E5, 1AE5 and Later Generic Programs)	▲ ♣ 231-050-012	2	HILO Trunk Frames
231-049-303	1	52A Responder — Drop Build-Out Network Adjustments — Return Loss Measuring Option	Add 231-050-015	1	
● Add 231-049-305	2		▲ ♣ 231-050-015	4	Digital Carrier Trunk Frame (1E7/1AE7 and Earlier)
231-049-305	1	Remote Trunk Test Unit — Growth Procedure	▲ ♣ 231-050-021	1	CCIS — Local/Toll Using PUC/DL and 2400 DL
231-049-306	1	Remote Trunk Test Unit — Build-Out Procedure	▲ ♣ 231-050-023	2	Trunk Circuit Tests—(1E5/1AE5 With MTTP Features)—1E6/1AE6 Generic
231-049-310	2	Remote Terminal Maintenance From Host — Description — No. 10A Remote Switching System	▲ ♣ 231-050-024	2	Service Circuit Tests—(1E5/1AE5 With MTTP Features)—1E6/1AE6 Generics)
231-049-315	2	Juncture Redistribution — Recent Change and Verification	▲ ♣ 231-050-027	2	Peripheral Unit Controller—Data Link Frame
231-049-325	1	Centrex Data Link and Console — Demand Exercise Program — Procedures	▲ ♣ 231-051-001	3	Switching Network Operations and Trouble Clearing Data
231-049-326	1	Centrex Data Line and Attendant Telephone Console — Maintenance Procedures	▲ ♣ 231-051-002	4	Remreed Frames (Generic 1E6/1AE6 and Earlier)
231-049-327	1	CAMA Operator Position — Exercise (COPE) Procedures	Add 231-051-003	1	
231-049-330	2	Remreed Switches — Line Link Network and Trunk Link Network — Maintenance Considerations	▲ ♣ 231-051-003	2	Ferreed Frames
231-049-331	2	Ferreed Switches, Line Link Network and Trunk Link Network — Maintenance Considerations	▲ ♣ 231-051-004	2	Loop Range Extension Frame and IRE Test System (Generic 1E6/1AE6 and Later)
231-049-335	1	Automatic Identified Outward Dialing — Maintenance Considerations	▲ ♣ 231-051-022	2	Remreed Frames (Generic 1E7/1AE7 and Later)
			▲ ♣ 231-052-001	2	Office Alarm Systems
			▲ ♣ 231-053-000	2	Remote Switching System Interface, (Maintenance From Host) Interface—(Maintenance From Host)
			▲ ♣ 231-055-000	2	Lines
			▲ ♣ 231-055-004	3	Dynamic Overload Control and Network Management Controls

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 231-055-008	1		231-090-074	3	Call Forwarding Variable Feature
▲ ♣ 231-055-008	2	Remote Office Test Line	<i>Issue 2 was an SPCS Practice.</i>		
▲ ♣ 231-055-010	3	Recorded Announcement Frame (Generic IE7/IAE7 and Earlier)	Add 231-090-075	2	
▲ ♣ 231-055-015	2	Miscellaneous Frames	★ 231-090-075	1	Call Forwarding Busy Line/Call Forwarding Don't Answer Features
▲ ♣ 231-055-030	2	Switching Control Center System Interface	★ 231-090-076	2	Call Hold (CHD) Feature
231-060 2-Wire 1 and 1A ESS Switches Network Switching Engineering			● Add 231-090-079	2	
♥ 231-060-220	1	Trunk Receivers and Transmitters — Network Switching Engineering Service Circuits	★ 231-090-079	2	Call Transfer
♥ 231-060-270	1	Service Circuits — Revision Notes	Add 231-090-080	3	
♥ 231-060-822	1	Traffic Order Worksheets — Trunk Receivers and Transmitters	★ 231-090-080	2	Three-Way Calling
231-060-832	1	Traffic Order Worksheets — Junctor and Intraoffice Trunk Determination	231-090-081	3	Call Waiting Features
231-090) 2-Wire 1 and 1A ESS Switches Common Feature Documents			<i>Issue 2 was an SPCS Practice.</i>		
231-091)			★ 231-090-082	2	Calls Waiting Lamps Feature
231-090-011	5	Abstracts of Feature Documents	★ 231-090-083	3	Calling Line Identification Feature
Add 231-090-052	1		231-090-084	3	Carrier Group Alarm and Trunk Make-Busy Key Features
★ 231-090-052	2	Automatic Line Insulation Test Feature	<i>Issue 2 was an SPCS Practice.</i>		
★ 231-090-053	2	Station Ringer and Touch-Tone Test Feature	Add 231-090-085	2	
★ 231-090-054	1	Glare Resolution Feature	★ 231-090-085	2	Common Control Switching Arrangement Feature
231-090-055	3	Attendant Call Through Test on Centrex Trunks Feature	★ 231-090-089	2	Call Pickup Feature
<i>Issue 2 was an SPCS Practice.</i>			★ 231-090-090	2	Centrex-ESS-1 Direct Inward Dialing Feature
● Add 231-090-056	2		★ 231-090-092	2	Code Calling Feature
★ 231-090-056	2	Attendant Camp-On With Indication of Camp-On Feature	★ 231-090-094	2	Code 103 Test Line Feature
★ 231-090-057	2	Attendant Conference Feature	★ 231-090-095	2	Coin Feature
★ 231-090-058	2	Attendant Control of Trunk Group Access Feature	★ 231-090-097	2	Coinless Public Telephone Service Feature
★ 231-090-059	1	Attendant Direct Station Selection With Busy Lamp Field Feature (50A CPS)	★ 231-090-098	2	Code 100-Type Test Line Feature
★ 231-090-060	2	51A Customer Premise System Attendant Position Features	Add 231-090-099	1	
Add 231-090-061	1		★ 231-090-099	3	Code 105-Type Test Line Feature
★ 231-090-061	1	Prefixed Access Code Translator Feature	★ 231-090-100	3	Code 101-Type Test Line Feature
Add 231-090-062	1		★ 231-090-101	2	Code 102-Test Line Feature
★ 231-090-062	2	Peripheral Unit Controller/Data Link	★ 231-090-102	1	Code 107-Type Test Line Feature
★ 231-090-065	3	AUTOVON Interface Feature	★ 231-090-103	1	Synchronous Test Line Feature
★ 231-090-066	2	Auxiliary Line Circuit Feature	★ 231-090-104	1	Tandem Test Line Feature
★ 231-090-067	2	2400 Data Link Feature	★ 231-090-105	2	Combined Touch-Tone and Dial Pulse Calling on Incoming Tie Trunks Feature
Add 231-090-070	1		★ 231-090-106	2	Interface With The Recorded Announcement Frame J1A058C
★ 231-090-070	2	Busy-Verification of Station Lines and Centrex Trunks Feature	<i>Issue 1 was an SPCS Practice.</i>		
			★ 231-090-107	1	Interface With the Recorder Announcement Frame (J1A058A)
			★ 231-090-108	1	Interface With Desks Feature

	Section Number	Issue	Subject		Section Number	Issue	Subject
Add	231-090-110	1		★	231-090-158	1	Distinctive Ringing/Distinctive Call Waiting Tone Feature
★	231-090-110	1	Multiline Variety Package Service				
★	231-090-112	1	Interface With Switchboards Feature	★	231-090-159	3	International Direct Distance Dialing Feature
	231-090-114	3	Interface With Traffic Service Position System Feature	Add	231-090-160	1	
			<i>Issue 2 was an SPCS Practice.</i>	★	231-090-160	2	Loop Range Extension Feature
★	231-090-115	1	Interface With the Automatic Intercept System (AIS) Feature	Add	231-090-162	1	
				★	231-090-162	1	Deluxe Queueing — Electronic Tandem Switching
★	231-090-116	2	Station Dial Conference Feature	Add	231-090-163	1	
Add	231-090-120	1		★	231-090-163	1	Facility Administration and Control — Electronic Tandem Switching
	231-090-120	2	Carrier Interconnect Feature				
			<i>Issue 1 was an SPCS Practice.</i>	★	231-090-165	1	Account Codes — Electric Tandem Switching
★	231-090-121	1	Sleeve Lead Control Features	Add	231-090-166	2	
★	231-090-122	2	Cut-Through to Operator After Local Intercept Announcement Feature	★	231-090-166	2	Station Message Detail Recording to Customer Premises — Electronic Tandem Switching
★	231-090-123	2	Delay Announcements Feature				
★	231-090-125	1	Inactive Line Feature	★	231-090-167	2	Basic Queuing for Trunks and Lines
	231-090-135	4	User Dialed Authorization Codes — Electronic Tandem Switching	★	231-090-168	2	Traffic Data to Customer (Pollable) Feature — Electronic Tandem Switching
			<i>Issue 3 was an SPCS Practice.</i>	★	231-090-169	1	Selective Customer Control of Facilities Feature
★	231-090-137	1	Automatic Time-Out of Announcements and Tones Feature	★	231-090-171	1	Centralized Attendant Service
★	231-090-138	1	Traveling Class Mark (TCM) Feature — Enhanced Private Switched Communication Service (EPSCS) — Electronic Tandem Switching (ETS)	★	231-090-173	2	Manual Line Service Features
Add	231-090-142	2		★	231-090-177	1	50B Customer Premises System Attendant Position Feature
★	231-090-142	1	Flexible Route Selection (FRS) Feature	★	231-090-178	1	50A CPS Attendant Position Feature
Add	231-090-143	2		★	231-090-179	2	Series Completion Feature
★	231-090-143	2	Party Line Service Feature		231-090-180	1	
★	231-090-144	1	Automatic Callback Calling Feature	★	231-090-180	3	Multiline Groups — Hunting and Nonhunting Capabilities
★	231-090-145	1	Full ESSX-1 Feature	★	231-090-186	2	Night Service Feature
Add	231-090-146	1		★	231-090-188	2	Service Observing Functions Feature
★	231-090-146	3	Routing-Selected Transmission Control Feature	★	231-090-191	1	Revertive Pulsing Trunks Feature
★	231-090-147	1	Identified Outward Dialing Feature	★	231-090-192	2	Open Switching Interval Protection Feature
★	231-090-150	1	Incoming Call Identification (ICI) Feature	Add	231-090-195	1	
Add	231-090-152	2		★	231-090-195	1	Line Service Overload Strategy — Feature Document
★	231-090-152	2	Digital Carrier Trunk Feature	★	231-090-196	2	Operator Tandem Feature
Add	231-090-153	2		★	231-090-199	2	Loudspeaker Paging Feature
★	231-090-153	2	Operation With Remote Switching System Feature	★	231-090-200	2	Radio Paging Access Feature
Add	231-090-154	2		★	231-090-205	3	Permanent Signal and Partial Dial Treatment and Permanent Signal Administration
★	231-090-154	2	Electronic Tandem Switching				<i>Issue 2 was an SPCS Practice.</i>
• Add	231-090-155	2					
	231-090-155	1	Call Forwarding Variable Via Private Facilities (CFPF) and CFPF/Electronic Tandem Switching Compatibility				

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★ 231-090-207	2	Traffic Measurements Feature	★ 231-090-300	1	Flexible Incoming Call Restriction (FICRI) Feature
Append 1	2	Traffic Measurements Table			
★ 231-090-210	1	Power Failure Transfer — Attendant	★ 231-090-304	1	Feature Document — Multiple Position Hunt Feature
★ 231-090-211	1	Interface With MJ and MK Mobiles Radio Telephone System	Add 231-090-305	2	
★ 231-090-217	2	Recorded Telephone Dictation Feature	★ 231-090-305	1	Network Management Feature
★ 231-090-219	4	Remote Office Test Line and Processor Controlled Interrogator Feature	★ 231-090-308	2	Interface With Pair Gain Systems Feature
★ 231-090-229	2	Feature Document — Simulated Facilities Feature — 2-Wire	★ 231-090-309	1	Receiver Attachment Delay Report (RADRI) Feature
★ 231-090-234	2	Toll Operator Signaling and Compatibility With TSPS Residual Traffic (TORT) Feature	Add 231-090-312	1	
Add 231-090-253	1		★ 231-090-312	3	Remote Call Forwarding Feature
★ 231-090-253	2	Through Dialing Feature	★ 231-090-316	1	Through Balance Test Facilities Feature — No. 1 Electronic Switching System
Add 231-090-254	2		★ 231-090-321	2	Toll Diversion to Attendant
★ 231-090-254	1	Tandem Tie Trunk Service (Nonsenderized) Feature	★ 231-090-334	2	Automatic Call Distribution — Phase 1 Feature
Add 231-090-256	1		★ 231-090-336	1	Feature Document — ACD Multiline Group Hunt Feature — 2-Wire
★ 231-090-256	1	Tie Trunk and Foreign Exchange Service Features	★ 231-090-338	2	Tones and Announcements to ACD Agents
★ 231-090-260	2	Trunk Answer From Any Station Feature	Add 231-090-339	1	
★ 231-090-262	1	Trunk Group Busy Lamp (TGBL) Feature	★ 231-090-339	2	ACD Queuing and Call Distribution to Agents Feature
★ 231-090-269	1	Basic ACD Service Feature	Add 231-090-340	2	
★ 231-090-273	2	Outward Wide Area Telecommunications Service Feature	★ 231-090-340	2	Selected Traffic to Customer Feature
★ 231-090-274	1	Feature Document — 800 Service—Originating Screening Office Feature	★ 231-090-342	2	Code 104-Type Test Line Feature (104 TL)
Add 231-090-275	2		★ 231-090-344	2	Directory Assistance Charging Feature
★ 231-090-275	1	800 Service — Terminating End Office Feature — Feature Document	★ 231-090-345	1	Fast Repeat of Answer Supervision Feature
Add 231-090-276	1		★ 231-090-346	1	Division of Revenue Measurements — (IE8/IAE8 Generic Program and Later)
★ 231-090-276	1	Busy/Idle Status Indicator Feature	Add 231-090-350	1	
Add 231-090-278	1		★ 231-090-350	2	Division of Revenue Peg Counts Feature
★ 231-090-278	1	Centralized Automatic Message Accounting (CAMA) Feature	★ 231-090-351	1	Customer Controlled Station Restriction (CCSR) Feature
★ 231-090-280	1	Hotel/Motel Service Feature	★ 231-090-356	2	Coin Line Activity Monitoring Feature
★ 231-090-285	1	Hospital Service Features	★ 231-090-359	1	Semirestricted Centrex Station Class Feature
★ 231-090-287	2	Universal Emergency Service Number 911 Feature — Basic 911 Service	Add 231-090-366	1	
Add 231-090-288	1		★ 231-090-366	3	HILO 4-Wire Switching Feature
★ 231-090-288	2	Universal Emergency Service Number 911 Feature — Enhanced 911 Service	Add 231-090-370	1	
★ 231-090-291	2	Customer Dialed Account Recording Feature	★ 231-090-370	2	Dial Call Waiting Feature
★ 231-090-292	2	Call Forwarding Usage Sensitive Feature	★ 231-090-371	2	Directed Call Pickup — Nonbarged-In Feature
★ 231-090-294	1	Combined Operator Office Trunk Feature	★ 231-090-372	1	2-Wire Toll/Tandem Operation Feature
			★ 231-090-399	2	Automatic Call Distribution — Phase 2 Description
			★ 231-090-400	1	Single Digit Dialing Feature

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 231-090-401	2		Add 231-100-102	1	
★ 231-090-401	2	Speed Calling Feature	★ 231-100-102	2	Signal Processor — Program Instructions
Add 231-090-402	1		231-100-311	3	Cutover Procedures (Pident SACT) — (CTX-6 and Later Generic Programs)
★ 231-090-402	1	Station Message Register Service Feature	231-102-101	1	Juncture, Trunk, and Service Circuits — Description
★ 231-090-403	1	Directed Call Pickup With Barge-In	231-103-101	2	Call Processing — Description
★ 231-090-404	2	Code 108-Type Test Line Feature	Add 231-104-301	1	
Add 231-090-408	1		231-104-301	7	Updating Program Store Translation Information
★ 231-090-408	2	Outgoing Trunk Queueing Feature (Phase 1)	Add 231-104-302	1	
★ 231-090-409	1	Multifrequency Signaling on Bylink Trunks Feature	231-104-302	8	Single Card Writing Procedures (Generic Program Overwrites)
★ 231-090-410	1	Incoming Trunk Service Observing (ITSO) Feature	231-104-305	2	Monitoring Recent Change Area — Customer Originated Recent Change (CORC)
★ 231-090-411	1	Interface With Common Systems — Recorded Announcement Frame Feature	231-105-301	4	General Maintenance Procedures
Add 231-090-412	1		231-105-302	4	Procedures for Taking Equipment Out of Service, Removing and Restoring Equipment to Service — 2-Wire
★ 231-090-412	3	Basic Data Link Input/Output Control	231-105-305	1	Clock Speedup — Descriptions and Procedures
★ 231-090-413	2	Interface With ACD-ESS Management — Information System Feature	231-106-301	3	Method of Handling Complaints and Requests — AMA Charge Irregularities
★ 231-090-415	1	ACD Phase 2 Agent Log-In Feature	231-107-301	3	Trunk Error Analysis Tables and Trunk Error Message
Add 231-090-416	2		231-109-101	2	Maintenance Interrupt Description
★ 231-090-416	2	Common Channel Interoffice Signaling Feature — Local and Toll	Add 231-109-302	2	
★ 231-090-417	1	Message Detail Recording on Tie Trunks Feature	★ 231-109-302	1	Analyzing Maintenance Interrupts and Trouble Locating Procedures — Generic IE4 Through IE6
★ 231-090-418	1	ACD Interface With 12A Customer Information System Feature	★ 231-110-301	6	Call Tracing and Calling Line Identification Procedures
★ 231-090-419	1	Interface With Property Management System Feature	Add 231-111-101	2	
★ 231-090-421	1	Interface With Coordinator Cathode-Ray Tube Terminal Feature — Automatic Call Distribution — Phase II	231-111-101	2	786A Tool — Buffer Bus — Data Insert Keys — Description
★ 231-090-422	1	Interface With 60A Customer Premises System—Automatic Call Distribution—Phase 1	231-111-105	1	System Recovery — Description
★ 231-090-423	1	Interface With 60B Customer Premises System—Automatic Call Distribution—Phase 2	Add 231-112-304	2	
★ 231-090-424	1	Interface With 90A Customer Premises System Feature — Automatic Call Distribution — Phase I	★ 231-112-304	1	Analyzing Audit Output Messages
			231-114-501	4	Emergency Manual Line Circuit — SD-1A156-01 and SD-1A243-01 — Tests
			231-115-501	11	Attendant Interface Frame, Auxiliary Manual Test Circuit, Processor Interface Frame, and Peripheral Data — Storage Processor Frames — Office Alarm Tests
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★	231-190-314	3	Operation With Engineering and Administrative Data Acquisition System Feature
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	231-200-010	1	System Documentation — Description and Organization
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	231-201-008	2	Cell Site Generic and Translation Updates
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Add 231-290-620	1		★ 231-310-240	1	Data Mapping (Updating) — Software Subsystem Description
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231-290-622	1	Message Desk Service Feature	★ 231-310-260	1	Local Utility Program Software Subsystem Description 2-Wire No. 1A Electronic Switching System
231-290-623	1	Project Accounting Service Feature — Feature Document	★ 231-310-265	1	Input/Output Application — Software Subsystem Description (SSD)
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231-310-405	1	Circuit Switched Digital Capability — Software Description	▲ ♠ 231-361-025	1	APS Growth
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231-311-007	3	Translation Data Check Program — Procedures	▲ ♠ 231-367-004	4	Routing and Charging — Translations — (Through Generic IAE8)
231-311-008	2	Translation Search Program — Procedures	▲ ♠ 231-367-005	3	CTX-CO/ESSX — Translations CFG, CSR, DL, FRS, MLG, SFG — (Through Generic IAE8A)
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★ 231-318-320	3	Procedures for Adding or Deleting Head Tables, Data Tables, Subtranslators, Auxiliary Blocks, and Unit Type Translators	▲ ♠ 231-368-011	1	System Recovery and System Operations — APS — Generic IAE7
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231-318-366	1	Centrex Electronic Key — Implementation	Add 231-368-015	1	
231-319-001	3	General Growth — Description	▲ ♠ 231-368-015	2	3B20D Computer Operations and Recovery — 1A ESS* Switch with Attached Processor System
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231-390-088	1	Cancel Call Waiting Feature	231-401-107	1	Scanners — Description
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★ 231-432-101	2	Office Status Display Frame (SD-2A055) — Description — 4-Wire Electronic Switching System
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231-436-501	3	Touch-Tone Detector Test Circuit SD-2A030-01 — Test and Adjustments
231-437-501	3	Multifrequency Transmitter SD-2A008 — Tests and Adjustments
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231-440-301	2	Teletypewriter Operating Procedures
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-010		General Information
-060		Network Switching Engineering
-070		Network Administration
-090		Task Oriented Practices
-1		Sections Applicable to 2, 2A, 2B, and 2C ESS
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232-003-301	2	Teletypewriter Operating Procedures
232-004-101	1	Change in Program Store Word — Description Using the Single Card Writer
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232-005-101	1	3A Card Writing Unit — Description
232-007-101	1	Tape Operated Memory Update System — Description
232-007-301	1	Tape Operated Memory Update System — Operating Procedures
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Common			▲ ♠ 232-090-010	1	No. 2/2B ESS Office Alarms
Add 232-008-101	1		▲ ♠ 232-090-011	1	No. 2/2B ESS Trunk Operational Tasks
232-008-101	2	Administrative Data Link — Description	▲ ♠ 232-090-012	1	No. 2/2B ESS Trunk Transmission Tasks
232-008-301	4	Administrative Data Link — Procedures	▲ ♠ 232-090-013	1	No. 2/2B ESS Service Circuit Tasks
232-010 General Information			▲ ♠ 232-090-016	1	No. 2/2B ESS Trunk Test Panel
232-010-101	3	Scanners — Description	▲ ♠ 232-090-018	1	No. 2/2B ESS 2B Processor Retrofit
232-019-101	4	General Growth Description	▲ ♠ 232-090-022	2	No. 2B ESS Reassignment, Update, and Line Identification Procedures
232-019-102	2	2B Processor Retrofit — Description — No. 2/2A Electronic Switching System	▲ ♠ 232-090-023	1	No. 2 ESS Reassignment, Update, and Line Identification Procedures
232-060 Network Switching Engineering			▲ ♠ 232-090-024	2	No. 2/2B ESS Service Frames
● 232-060-410	4	Control Equipment—Central Processor Precutover Capacity <i>Reinstated as an AT&T Practice.</i>	▲ ♠ 232-090-025	2	No. 2/2B ESS Traffic and Plant Measurements
♥ 232-060-450	4	Control Equipment—Program Store/Main Store <i>Reinstated as an AT&T Practice</i>	▲ ♠ 232-090-030	1	Remote Switching System (RSS) Host Maintenance — No. 2B ESS
232-060-460	4	Control Equipment—Call Store <i>Reinstated as an AT&T Practice.</i>	▲ ♠ 232-090-031	1	Serial Peripheral Unit Controller/Data Link (SPUC/DL)
♥ 232-060-840	4	Traffic Order Worksheets—Program Store/Main Store <i>Reinstated as an AT&T Practice.</i>	▲ ♠ 232-090-032	1	Remote Trunk Test Unit (RTTU)
232-060-842	4	Traffic Order Worksheets—Call Store <i>Reinstated as an AT&T Practice.</i>	232-1 SECTIONS APPLICABLE TO 2, 2A, 2B, AND 2C ESS SWITCHES SWITCHES		
● 232-060-844	4	Traffic Order Worksheets—Central Processor Precutover Capacity <i>Reinstated as an AT&T Practice.</i>	Common (except as noted)		
232-060-846	3	Network Design Worksheets—Local Automatic Message Accounting — Network Design <i>Reinstated as an AT&T Practice.</i>	232-100 General System Information		
232-070 Network Administration			232-100-100	2	General Description
♥ 232-070-045	1	Ineffective Attempts — General Description	Add 232-101-101	1	
232-090 Task Oriented Practices (TOP)			232-101-101	2	Switching Network — Description
▲ ♠ 232-090-001	1	No. 2B ESS Office Acceptance Tasks	Add 232-101-102	2	
▲ ♠ 232-090-004	2	No. 2B ESS Tape Handling and Maintenance Center Tasks	232-101-102	1	Remreed Switching Network — Description
▲ ♠ 232-090-005	1	No. 2B ESS System Evaluation and Processor Tasks	232-102-101	1	Junctor, Trunk, and Service Circuit — Description
▲ ♠ 232-090-006	1	No. 2 ESS System Evaluation and Processor Tasks	232-102-102	2	Applique Circuits Description
▲ ♠ 232-090-007	1	No. 2 ESS Maintenance Center Tasks	Add 232-102-103	1	
▲ ♠ 232-090-008	1	No. 2/2B ESS Ferreed Network Trouble Clearing	232-102-103	2	Functional Description of T1 Carrier — Direct Interface With No. 2 and No. 2B ESS
			● 232-103-101	6	Call Processing — Description
			232-104-301	1	Analyzing Audit Printouts
			232-105-101	2	General System Maintenance — No. 2 ESS
			232-105-103	3	Maintenance Handbook — No. 2 ESS System
			232-105-301	2	System Recovery Guideline Procedures
			232-105-302	5	Messages and Test Circuits

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232-105-303	1	Trouble Shooting Procedures for Use With Automatically Detected Errors	232-127-310	1	Manual Translation Modification Procedure (EF-1) — Allocating New Centrex Group/Changing Size
232-105-304	2	Taking Equipment Out of Service, Restoring Equipment to Service, Removing and Restoring Power	232-127-311	3	Flexible Station Hunt (FSH) Group — Manual Translation Modification Procedure — No. 2/2B ESS
Add 232-106-301	2		232-127-312	3	Allocating Multiline Hunt Group (MLHG) Manual Translation Modification Procedure — No. 2/2B Electronic Switching System
232-106-301	3	Maintenance Center Frame Control and Display Panel — Method of Operation — No. 2 ESS	232-127-313	4	Manual Translation Modification Procedure Multiline Hunt Group (MLHG) Allocating/Changing Size (AIOD) — No. 2/2B ESS System
232-109-101	1	Control Complex Description	Add 232-127-314	2	
232-113-301	5	System Initialization Procedures	232-127-314	2	Adding Trunks/Service Circuits Manual Translation Modification Procedure (LO-1 and EF-1)
232-116-101	4	Permanent Signals and Partial Dials — Description of Handling	232-127-315	2	Manual Translation Modification Procedure (LO-1 and EF-1) — Allocation of New Expansion Tables — No. 2/2B
Add 232-118-101	1		232-127-316	2	Allocating New Carrier Group Table — Manual Translation Modification Procedures — EF-1 and 2B-EF-1 — No. 2/2B Electronic Switching System
232-118-101	4	Basic Translation Data Description — EF-2 and Earlier Generic Programs	232-127-317	3	Changing the NOCBCD Table — Manual Translation Modification Procedure — No. 2/2B ESS
232-118-105	2	Recent Change Procedures (Central Office Changes) for All Generic Programs	Add 232-127-318	1	
232-118-301	4	Adding a Centrex-CO Customer — Procedures	232-127-318	2	Changing TOTANI Table — Manual Translation Modification Procedures (LO-1, EF-1, and 2B-EF-1) — No. 2/2B ESS
232-120-301	7	Traffic and Plant Measurements	Add 232-127-319	1	
232-121-301	2	Supplementary Central Pulse Distributor — Procedures for Removing and Restoring Power	232-127-319	2	Allocating New Simulated Facilities Group/Changing Size — Manual Translation Modification Procedures — No. 2/2B ESS
Add 232-121-302	1		232-127-320	2	Manual Translation Modification Procedure — Adding Noncentrex Speed Calling Translators — (LO-1, EF-1, and EF-2) — No. 2/2B Electronic Switching System
232-121-302	2	6.7 Volt Converter — Power Removal and Restoration	Add 232-127-321	1	
232-122-301	5	Dynamic Service Protection — Application	232-127-321	2	Allocating Additional ACOF Tables (EF-1 and 2B-EF-1) Manual Translation Modification Procedure—No. 2/2B ESS
Add 232-124-101	1		232-127-322	2	Manual Translation Modification Procedure Changing Information in the Charge Index Word — No. 2/2B Electronic Switching System
232-124-101	1	Office Data Administration Program — Description — No. 2 ESS	232-127-323	1	Changing Information in the Charge Index Words — Manual Translation Modification Procedure — 2BE3 Generic Program — No. 2B
232-126-301	1	Module Maintenance Procedure	232-127-324	1	Allocating New Trunk Groups/Changing Size — Manual Translation Modification Procedure — No. 2/2B
232-127-101	3	Manual Translation Modification Procedure — General Description	232-127-325	1	Allocation of New Expansion Tables — Manual Translation Modification Procedure — 2BE3 Generic Program — No. 2B
232-127-301	3	Manual Translation Modification Procedure — Allocation of Call Store			
232-127-302	4	Allocation of Program Store Memory — Manual Translation Modification Procedure			
232-127-303	3	Manual Translation Modification Procedure (LO-1, EF-1, and EF-2) — Formatting Changes in Program Store — No. 2 ESS			
232-127-308	2	Allocation of New Expansion Tables — Manual Translation Modification Procedure — EF-2 and 2B-EF-2 — No. 2/2B Electronic Switching System			
232-127-309	2	Allocating New Centrex Group/Changing Size (EF-2) — Manual Translation Modification Procedures — No. 2/2B Electronic Switching System			

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232-127-326	2	Manual Translation Modification Procedure (LO-1, EF-1 and EF-2) Changing Range Extension Capability — No. 2/2B ESS	★ 232-190-013	1	Dial Line Service Observing No. 7B Service Observing Set or No. 12 Service Observing Desk
Add 232-127-327	1		232-190-015	5	System Features <i>Issue 4 was an SPCS Practice.</i>
232-127-327	3	Adding Trunks/Service Circuits — Manual Translation Modification Procedure (EF-2 and 2B-EF-2) — No. 2/2B ESS	Add 232-190-020	1	
Add 232-127-330	1		★ 232-190-020	1	Zone 16 Service Features
232-127-330	2	Allocating Additional ACOF Tables (EF-2 and 2B-EF-2) Manual Translation Modification Procedure — No. 2/2B ESS System	★ 232-190-022	2	Intercept Treatments — Centrex and Noncentrex
232-127-331	2	Allocating New Carrier Group Table (EF-2 and 2B-EF-2) — Manual Translation Modification Procedure — No. 2/2B Electronic Switching System	232-190-023	3	Announcement Arrangements <i>Issue 2 was an SPCS Practice.</i>
232-130-201	1	Telephone Set 3756A Piece-Part and Connections — Trunk Test Panel — No. 2/2B Electronic Switching System	232-190-024	4	Trunking Arrangements <i>Issue 3 was an SPCS Practice.</i>
232-130-301	5	Trunk Test Panel — Method of Operation — No. 2/2B ESS	★ 232-190-025	2	Remreed Network
232-131-101	3	Description of Interoffice Trunk Testing — Permanent Busy, Operational, and Diagnostic Test — 2/2B ESS Switch	★ 232-190-027	2	Direct Interface with T Carrier
232-132-101	2	Remote Office Test Line (ROTL) — Description	★ 232-190-029	2	Autovon Interface
232-132-102	1	Remote Trunk Test Unit — No. 2/2B Electronic Switching System	★ 232-190-030	3	Carrier Group Alarm and Trunk Make-Busy Key
▲ ♦ 232-132-301	4	Remote Office Test Line (ROTL) — No. 2/2B ESS	★ 232-190-032	1	3A CC Data Link Feature
★ 232-160-100	2	General Software System Description — No. 2B Electronic Switching System	★ 232-190-034	1	Loop Range Extension
★ 232-162-105	2	Recent Change Processing — Software Subsystem Description — No. 2B ESS	232-190-035	2	Automatic Message Accounting Collection System (AMACS) — 2B ESS Switch <i>Issue 1 was an SPCS Practice.</i>
★ 232-162-120	2	Teletypewriter — Software Subsystem Description — No. 2/2B Electronic Switching System	★ 232-190-036	1	Interface With No. 10A Remote Switching System (RSS)
★ 232-162-125	2	System Control — Software Subsystem Description — No. 2B Electronic Switching System	232-190-037	2	EADAS (Engineering and Administrative Data Acquisition System) Interface <i>Issue 1 was an SPCS Practice.</i>
★ 232-162-130	3	Tape Operations — Software Subsystem Description — No. 2B Electronic Switching System	★ 232-190-040	1	Serial Peripheral Unit Controller/Data Link (SPUC/DL)
★ 232-163-130	3	Initialization and Processor Fault Recovery — Software Description — No. 2B ESS	232-190-101	4	Charging Arrangements <i>Issue 3 was an SPCS Practice.</i>
232-190 Feature Documents — 2/2B ESS Switch			★ 232-190-102	2	Auxiliary Line Circuits
232-190-003	3	Glossary of Terms	232-190-105	5	Call Forwarding (Noncentrex) <i>Issue 4 was an SPCS Practice.</i>
232-190-011	4	Call Routing <i>Issue 3 was an SPCS Practice.</i>	★ 232-190-106	3	Call Tracing
Add 232-190-012	2		232-190-107	3	Call Waiting (Noncentrex) — Feature Document <i>Issue 2 was an SPCS Practice.</i>
★ 232-190-012	1	General Description — Centrex-CO—No. 2 ESS	★ 232-190-109	3	Centralized Automatic Message — Accounting and Special Toll Billing
			232-190-112	5	Basic Coin Service <i>Issue 4 was an SPCS Practice.</i>
			★ 232-190-113	2	Dynamic Service Protection
			★ 232-190-114	2	Emergency Line Services

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★ 232-190-115	2	Unigauge Range Extension	232-190-207	3	Direct Connect Service — Noncentrex <i>Issue 2 was an SPCS Practice.</i>
★ 232-190-116	3	Free Terminating Lines	232-190-209	3	Automatic Message Accounting — Recording for 800 Service <i>Issue 2 was an SPCS Practice.</i>
★ 232-190-118	2	Inward Wide Area Telecommunications Service (INWATS)	232-190-301	4	Centrex Call Transfer Service, Add-On, and Consultation Hold <i>Issue 3 was an SPCS Practice.</i>
★ 232-190-121	3	Make Busy Features	★ 232-190-302	3	Attendant Camp-On and Indication of Camp-On
★ 232-190-123	2	Message Registers	★ 232-190-303	3	Universal Console Attendant 6-Port Conference (Centrex)
★ 232-190-124	3	Interface With MJ and MK Mobile Radiotelephone Systems, Subscriber Loop Carrier System, Loop Switching System, and 1A Line Concentrator System	Add 232-190-305	1	
★ 232-190-125	2	Multiline Hunt Group	★ 232-190-305	1	Universal Console Attendant — (51A CPS)
★ 232-190-129	4	Permanent Signal and Partial Dial Treatment	★ 232-190-307	1	Busy Verification of Station Lines — (Centrex-CO)
★ 232-190-131	3	Dial-Tone-First Coin Service	232-190-308	4	Call Forwarding — Variable (Centrex) <i>Issue 3 was an SPCS Practice.</i>
232-190-132	4	Two-Party and Multiparty Service <i>Issue 3 was an SPCS Practice.</i>	★ 232-190-309	3	Call Forwarding — Busy Line, Call Forwarding — Don't Answer, and Station Hunting (Centrex)
★ 232-190-133	3	Series Completion — Noncentrex	★ 232-190-311	2	Call Hold — Centrex
★ 232-190-134	3	Sleeve Lead Function	★ 232-190-312	2	Call Pickup (Centrex)
232-190-136	4	Speed Calling (Noncentrex) <i>Issue 3 was an SPCS Practice.</i>	★ 232-190-313	2	Centrex Group Trunk Facilities
★ 232-190-138	2	Threeway Calling — Noncentrex	★ 232-190-314	1	Code Call, Loudspeaker Paging, and Recorded Telephone Dictation
232-190-139	2	Toll Restriction and Toll Diversion <i>Issue 1 was an SPCS Practice.</i>	★ 232-190-316	1	Direct Inward Dialing (Centrex-CO)
232-190-142	3	OUTWATS (Outward Wide Area Telecommunications Service) <i>Issue 2 was an SPCS Practice.</i>	★ 232-190-318	2	Directed Call Pickup
★ 232-190-146	2	Ringling Features	★ 232-190-320	2	Centrex Calling Restrictions (Denied Originating, Denied Terminating, and Fully Restricted Terminating)
232-190-149	5	Traffic Service Position System Interface <i>Issue 4 was an SPCS Practice.</i>	★ 232-190-324	2	Centrex Manual Line Service
232-190-152	2	Charge-a-Call Service <i>Issue 1 was an SPCS Practice.</i>	★ 232-190-326	2	Night Service for Centrex-CO (Night Service, Trunk Answer Any Station)
232-190-153	2	Remote Call Forwarding Feature — No. 2B ESS <i>Issue 1 was an SPCS Practice.</i>	232-190-331	5	Centrex Speed Calling <i>Issue 4 was an SPCS Practice.</i>
232-190-154	1	Data Base Query — 2B ESS ^{1A} Switch	232-190-338	3	Tandem Tie Trunk Dialing (Centrex) <i>Issue 2 was an SPCS Practice.</i>
★ 232-190-201	2	Coin Station Test Line — No. 2/2B	★ 232-190-339	3	Most Economical Routing (MER)
★ 232-190-202	2	Directory Assistance Charging	232-190-342	3	Call Waiting (Centrex) <i>Issue 2 was an SPCS Practice.</i>
232-190-203	3	Universal Emergency Service Number 911 <i>Issue 2 was an SPCS Practice.</i>	★ 232-190-343	1	Release Link Attendant Main/Satellite Operation
★ 232-190-204	3	Local Automatic Message Accounting	★ 232-190-344	2	Simplified Console Attendant (50A or 50B CPS) and Centrex Station Controlled 6-Port Conference Calling
232-190-205	3	Remote Office Test Line — Near-End and Far-End Applications <i>Issue 2 was an SPCS Practice.</i>			
★ 232-190-206	2	Open Switching Interval Protection (OSIP) and Noise Suppression			

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Add 232-190-345	1		232-3 SECTIONS APPLICABLE TO 2B AND 2C ESS		
★ 232-190-345	1	Simplified Console Attendant (50A CPS, CALL DIRECTOR [®] s and Keysets)	232-300-100	4	General Description — 2B
★ 232-190-346	2	Centrex Controlled Restriction (Do Not Disturb, Controlled Restriction — Outgoing and Total)	232-303-301	4	Teletypewriter — Operating Procedures — No. 2B ESS
★ 232-190-349	1	Operational and Busy Verification of Centrex Trunks	232-304-101	1	Change In Program Store Word — Description — No. 2B ESS
★ 232-190-351	2	Customer Dialed Account Recording (CDAR)	232-305-101	3	General System Maintenance — No. 2B Electronic Switching System — Description
★ 232-190-352	1	Source Billing of Attendant Handled Calls	232-305-103	2	Maintenance Handbook — No. 2B ESS
★ 232-190-353	1	Single Digit Dialing	232-305-301	2	System Recovery — Procedures — No. 2B Electronic Switching System
★ 232-190-354	3	Direct Outward Dialing	232-305-302	2	Analysis of Main Store Problems — No. 2B ESS
232-190-355	3	Centrex Billing Arrangements <i>Issue 2 was an SPCS Practice.</i>	Add 232-306-301	1	
★ 232-190-356	2	Centrex Flexible Station Hunting (FSH)	232-306-301	2	Control and Display Procedures — No. 2B ESS
★ 232-190-357	1	Main-Satellite Service (EF-1 Generic Program)	232-309-101	3	2B Processor Description — No. 2B Electronic Switching System
★ 232-190-358	1	Satellite Attendant Transfer via Tie Trunk	232-309-106	1	Processor Tape Handling — Conventions and Precautions — No. 2B ESS
★ 232-190-359	1	Trunk Dial Transfer — EF-2 Generic Program	232-309-108	1	2B Processor — Functional Description of Input/Output Control Circuit
★ 232-190-360	1	Call Transfer — Intercentrex — EF-2 and 2B-EF-2 Generic Programs	232-309-111	1	No. 2B Hardware and Supporting Documentation
★ 232-190-361	1	Centrex Terminating Feature — Treatment Interactions	232-313-301	3	System Initialization Procedures — No. 2B ESS
★ 232-190-364	1	50B Customer Premises System (CPS)	232-313-302	2	Remote Switching System Initialization — Procedures — No. 2B ESS
Add 232-190-501	1		232-317-301	3	Dial Tone Delay Alarm Operation — No. 2/2B ESS
★ 232-190-501	1	Switchboard Trunk Interface Using DC Signaling	232-318-101	2	Basic Translation — Description — 2BE3 Generic Program — ESS ¹¹ Switch
Add 232-190-502	1		Add 232-324-101	1	
★ 232-190-502	2	Automatic Identified Outward Dialing (AIOD)	232-324-101	1	Office Data Administration Program — Description — No. 2B ESS
232-190-503	2	IDDD (International Direct Distance Dialing) <i>Issue 1 was an SPCS Practice.</i>	232-327-303	3	Formatting Changes in Program Store — Manual Translation Modification Procedure — No. 2B ESS
232-2 SECTIONS APPLICABLE TO CENTREX			Add 232-327-314	1	
232-202-101	1	Centrex Data Loop and Console Control — Description	232-327-314	2	Adding Trunks/Service Circuits — Manual Translation Modification Procedure (2B-EF-1) — No. 2B ESS
232-202-301	1	Centrex Data Link and Attendant Console Maintenance Procedure Using Maintenance Teletypewriter			
232-202-302	1	Centrex Console — Demand Exercise Program — Procedures			
232-203-101	2	Automatic Identified Outward Dialing (AIOD) — Description			
Add 232-203-301	1				
232-203-301	1	Automatic Identified Outward Dialing Maintenance Procedures Using Maintenance Teletypewriter			
232-208-301	1	Impedance Balancing Procedures on SD-2H182 (CENTREX Attendant Trunk Circuit) Arranged for 4-Wire to 2-Wire Conversion			
			DIVISION 233 — 3"ESS" SWITCH		
			233-0	3	ESS Switch — General Description
			.010		General Information

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-1		3ESS Switch (Peripheral Equipment)
-100		General System Information
-140		Maintenance
-150		Software Description
-170		Growth Description
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233-000 3ESS Switch — General Description		
• ♣ 233-000-000	60	Numerical Index — Division 233 — 3ESS Switch
233-000-003	2	General Description
233-000-010	3	Interdivisional Numerical Index — Excluding Division 233
233-001 Equipment Test Lists		
• 233-001-011	4	3ESS* Switch
• 233-001-012	1	3ESS* Switch — Trunks
233-010 General Information		
233-010-010	2	Organization and Description of Bell System Practices
233-1 3"ESS" SWITCH (PERIPHERAL EQUIPMENT)		
233-100 General System Information		
<i>*Trademark of AT&T Technologies</i>		
233-100-010	2	Emergency Action Procedures — Description
233-100-100	1	Processor Tape-Handling Procedures
233-101-115	2	Office Records — Description
233-110-000	2	Control Complex — Description
233-110-200	2	Control Complex — Interfaces and Theory of Operation
233-120-100	2	Switching Network — Description and Theory of Operation
233-121-100	1	Scanner Description and Theory of Operation
233-121-105	1	Peripheral Pulse Distributor and Peripheral Decoder — Description and Theory of Operation
233-121-110	1	Frame Input/Output Controller — Description and Theory of Operation
Add 233-121-115	1	
233-121-115	4	Trunk, Line, and Service Circuits — Description
233-121-116	1	Test Circuits — Description
233-121-120	2	Low Profile Combined Distributing Frame — Description
233-121-125	3	Spare Equipment Storage and Handling Procedures
233-122-100	2	Automatic Message Accounting Recording Center Data Link — Description of Theory and Operation

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233-122-110	1	Dial Tone Delay Alarm Operation
233-130-100	2	Power Equipment — Description
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233-135-100	1	Test Equipment — Description
233-135-105	4	Trunk and Line Test Panel and Associated Equipment — Description and Theory of Operation
• 233-135-110	2	ROTL (Remote Office Test Line) — Description and Theory of Operation
233-140 Maintenance		
233-140-100	2	Office Maintenance — Description
233-141-100	1	Centralized Office Maintenance — Description and Theory of Operation
• ▲ ♣ 233-142-100	3	No. 3 Electronic Switching System — Office Equipment
▲ ♣ 233-142-110	1	Remote Office Test Line (ROTL)
• ▲ ♣ 233-143-100	2	System Trouble Clearing
▲ ♣ 233-144-100	2	151A Power Plant
233-150 Software Description		
★ 233-150-100	2	General Description — Software Subsystem — Description
★ 233-151-105	2	Call Processing — Software Subsystem Description
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★ 233-151-110	1	Call Trace (SO-2 Issue 4) Software Subsystem — Description
Add 233-151-111	1	
★ 233-151-111	1	Call Trace (3E3) — Software Subsystem Description
★ 233-151-115	2	Operator Functions — Software Subsystem Description
★ 233-151-120	2	Call Charging — Software Subsystem Description
★ 233-151-125	2	Input Processing and Scanning
★ 233-151-130	2	Basic Call Processing
Add 233-151-135	1	
★ 233-151-135	1	Custom Calling (SO-2)
★ 233-151-136	3	Custom Calling (Generic 3E3) — Software Subsystem Description
★ 233-151-140	1	Network Path Hunt — Software Subsystem — Description
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★ 233-151-160	1	911 Emergency Service	233-170-100	1	Precutover — General Description
233-152-105	2	Recent Change Processing	233-190 Feature Documents		
★ 233-152-120	2	Teletypewriter	★ 233-190-010	1	System Features
★ 233-152-125	2	System Control SO-2 Generic — Software Subsystem Description	★ 233-190-022	1	Intercept Arrangements
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★ 233-152-130	2	Tape Operations — Software Subsystem Description	Add 233-190-024	1	
★ 233-152-135	2	Traffic and Plant Measurements — Software Subsystem Description	★ 233-190-024	1	Trunking Arrangements
★ 233-152-140	2	Audit Programs — Software Subsystem Description	★ 233-190-027	1	Direct Interface with T Carrier
★ 233-152-145	1	Cutover	★ 233-190-028	1	No-Test Access
★ 233-152-150	1	Office Records	Add 233-190-030	1	
★ 233-153-105	2	Programmed Maintenance Aids — Software Subsystem Description	★ 233-190-030	1	Carrier Group Alarms
Add 233-153-106	1		★ 233-190-031	1	Local Test Desk Arrangements
★ 233-153-106	1	Network Fabric Exercise Function — Software System Description	★ 233-190-033	1	Autoconnect Arrangements
★ 233-153-115	1	Trunk, Test, and Service Circuit Diagnostic Software Subsystem — Description	★ 233-190-101	2	Charging Arrangements
233-153-120	1	Peripheral Unit Diagnostics — Software Subsystem Description	Add 233-190-102	1	
★ 233-153-125	2	Alarm and Status Reporting Software Subsystem Description	★ 233-190-102	1	Noise Immunity Line Circuit
★ 233-153-130	1	Initialization and Processor Fault Recovery — Software Subsystem Description	★ 233-190-105	2	Call Forwarding
★ 233-153-135	1	Error Analysis and Fault Detection	★ 233-190-106	1	Call Tracing
Add 233-153-140	1		★ 233-190-107	2	Call Waiting
★ 233-153-140	1	Peripheral Unit Fault Recovery Software Subsystem — Description	★ 233-190-109	2	Centralized Automatic Message — Accounting Interface and Special Toll Billing
★ 233-153-145	1	Remreed Network Fault Isolation Utilities — Software Subsystem Description	★ 233-190-112	3	Feature Document — Coin First Coin Service
Add 233-154-130	1		★ 233-190-113	1	Overload Controls — Dynamic Service Protection
★ 233-154-130	1	Recent Change — Users Guide — Issue 4 and Earlier Generics	★ 233-190-114	1	Emergency Line Services
233-154-135	1	Recent Change Users Guide — Issue 3E3 Generic	★ 233-190-115	1	Extended Range
★ 233-154-145	1	Pudal Diagnostic Language Software — Description	Add 233-190-123	1	
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★ 234-180-130	2	Network Management Control and Display Programs	★ 234-180-280	2	Peripheral Utility Program (PULP)
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★ 234-180-243	2	51A Test Access Trunk Control Program	234-182-010	5	Office Data and Maintenance Function Verification
Add 234-180-244	1		234-182-302	1	Acceptance and Maintenance Function Verification — Attached Processor System
★ 234-180-244	1	CCIS Link Security Program	234-182-303	1	Attached Processor System

Section Number	Issue	Subject	Section Number	Issue	Subject		
234-183 Precutover Trunk Testing			<input type="checkbox"/>	235-100-101	1 Interface Module — Description <i>Replaced by 5D5-900-101</i>		
234-183-000	3	Description	<input type="checkbox"/>	235-100-102	1 Time Multiplexed Switch — Description <i>Replaced by 5D5-900-101</i>		
234-185 Generic Retrofit/Update			<input type="checkbox"/>	235-100-103	1 Message Switch — Description <i>Replaced by 5D5-900-101</i>		
234-185-005	1	Generic Retrofit and ODA Update — 4E4 to 4E5 Generic — Planning and Scheduling Guide	<input type="checkbox"/>	235-100-104	1 Network Control and Timing Link — Description <i>Replaced by 5D5-900-101</i>		
234-185-006	1	Planning and Scheduling Guide — 4E5 to 4E6 Generic	<input type="checkbox"/>	235-100-105	1 Multimodule Office — Equipment and Functional Description <i>Replaced by 5D5-900-101</i>		
234-185-007	2	Generic Retrofit and ODA Update — Planning and Scheduling — 4E6 to 4E7		235-100-110	1 Generic Utilities Application — Description — Single-Module Offices		
234-185-009	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide — 4E8 to 4E9	<input type="checkbox"/>	235-100-111	1 Diagnostic Program Applications — Description <i>Replaced by 5D5-105-220</i>		
234-185-010	1	Generic Retrofit and ODA Update Planning and Scheduling Guide — 4E9 to 4E10	<input type="checkbox"/>	235-100-112	1 Generic Utilities Application — Description — Man-Machine Language (MML) in Multimodule Offices <i>Replaced by 5D5-105-220</i>		
234-185-068	1	Generic Retrofit and ODA Update — Planning and Scheduling — 4E6 to 4E8 — 3B20D Model 2 Processor Equipped Office		235-100-113	1 Generic Utilities Application — Description — Program Documentation Standards (PDS) — Multimodule Offices		
234-185-078	1	Generic Retrofit and ODA Update — Planning and Scheduling Guide — 4E7 to 4E8 — 3B20D Model 1 Computer Equipped Office		235-105-100	1 Single-Module Offices — Maintenance Considerations		
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DIVISION 235 — 5ESS™ SWITCH — DIGITAL SWITCHING SYSTEM							
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235-000) Indexes and General							
235-002)							
●	♣	235-000-000	26	Numerical Index — Division 235 — 5ESS Switch — Digital Switching System			
		235-001-011	1	Equipment Test List			
[i]		235-001-012	1	Switch-MML <i>Replaced by 5D5-105-210</i>			
[i]		235-002-100	1	Cutover — Description <i>Replaced by 5D5-105-220</i>			
Growth							
[i]		235-019-100	2	General Description <i>Replaced by 5D5-105-230</i>			
[i]		235-019-101	1	Generic Retrofit — Description <i>Replaced by 5D5-105-240</i>			
		235-019-102	1	General Procedures			
Network Switching Performance Measurement Plan							
		235-020-005	1	Description — Network Switched Services			
235-100 Functional Description							
		235-100-100	1	Single Module Office — Equipment			
				<input type="checkbox"/>	235-105-102	1 Trunk and Line Work Station — Description <i>Replaced by 5D5-900-101</i>	
				<input type="checkbox"/>	235-105-103	2 System Evaluation and Acceptance Requirements — Description <i>Replaced by 5D5-900-101</i>	
				<input type="checkbox"/>	235-105-105	2 Turnover-Cutover Interval Plan — Description <i>Replaced by 5D5-105-200</i>	
				<input type="checkbox"/>	235-105-107	2 Multimodule Offices — Maintenance Considerations <i>Replaced by 5D5-105-220</i>	
				<input type="checkbox"/>	235-105-108	1 System Recovery <i>Replaced by 5D5-105-220</i>	
				<input type="checkbox"/>	Append 1	1 Processor Recovery Message <i>Replaced by 5D5-105-220</i>	
				▲	♣	235-105-300	1 Maintenance Function Verification, Program Documentation Standard (PDS)
				▲	♣	235-105-301	1 Maintenance Function Verification, Man-Machine language (MML)
				▲	♣	235-105-302	1 System Operation Verification Procedures, Program Documentation Standard Language
				▲	♣	235-105-303	1 System Operation Verification Procedures, Man-Machine Language (MML)
				▲	♣	235-105-304	1 Line Precutover and Cutover Procedures, Program Documentation Standard (PDS)

Section Number	Issue	Subject	Section Number	Issue	Subject
▲ ♣ 235-105-305	1	Line Precutover and Cutover Procedures, Man-Machine Language	235-190 Feature Documents		
▲ ♣ 235-105-306	1	Routine and Company Order Procedures, Program Documentation Standard (PDS)	235-190-001	2	Description of Features <i>Issue 1 was an SPCS Practice.</i>
▲ ♣ 235-105-307	1	Routine and Company Order Procedures, Man-Machine Language (MML)	☐ ★	235-190-002	1 Individual Line Service, Denied Origination, Denied Termination, Line Sleeve Lead Control <i>Replaced by 5D5-190-100</i>
▲ ♣ 235-105-311	1	Trouble Clearing Procedures	☐ ★	235-190-003	1 Two-Party and Multiparty Line Service <i>Replaced by 5D5-190-100</i>
▲ ♣ 235-105-313	1	Trunk and Line Maintenance Procedures	☐ ★	235-190-004	1 Series Completion and Multiline Hunt Service <i>Replaced by 5D5-190-100</i>
▲ ♣ 235-105-314	1	AM System Recovery Procedures, Program Documentation Standard (PDS)	☐ ★	235-190-005	1 Speed Calling — Feature Document <i>Replaced by 5D5-190-100</i>
▲ ♣ 235-105-315	1	AM System Recovery Procedures, Man-Machine Language (MML)	★	235-190-006	1 Call Waiting
▲ ♣ 235-105-317	1	Switch Module Recovery Procedures	★	235-190-007	1 Threeway Calling
▲ ♣ 235-105-320	1	Memory Alteration Procedures, Program Documentation Standard (PDS)	★	235-190-008	1 Call Forwarding
▲ ♣ 235-105-321	1	Memory Alteration Procedures, Man-Machine Language (MML)	☐ ★	235-190-009	1 Flat-Rate and Message-Rate Service Charge <i>Replaced by 5D5-190-100</i>
▲ ♣ 235-105-323	1	Generic Retrofit Procedures	☐ ★	235-190-010	1 Outward Wide Area Telecommunications — Service <i>Replaced by 5D5-190-100</i>
▲ ♣ 235-105-331	1	Growth Procedures	☐ ★	235-190-011	1 Private Branch Exchange Line Features <i>Replaced by 5D5-190-100</i>
▲ ♣ 235-105-335	1	Degrowth Procedures	☐ ★	235-190-012	1 Direct Inward Dialing <i>Replaced by 5D5-190-100</i>
235-118-100	1	Basic Translation Data — Description	☐ ★	235-190-013	1 Hotel/Motel Features <i>Replaced by 5D5-190-100</i>
235-118-101	1	Recent Change Procedures — 5E111A) Generic Program	☐ ★	235-190-014	1 Coin Line Features <i>Replaced by 5D5-190-100</i>
☐ 235-118-102	2	Memory Alteration Description <i>Replaced by 5D5-105-210</i>	☐ ★	235-190-015	1 Expanded Inband Signaling <i>Replaced by 5D5-190-100</i>
235-118-103	2	Recent Change — Description of Procedures — Remote Memory Administration System	☐ ★	235-190-016	1 Basic 911 Emergency Service <i>Replaced by 5D5-190-100</i>
☐ 235-118-104	1	Office Data Base Editor — Description <i>Replaced by 5D5-105-220</i>	☐ ★	235-190-017	1 Call Tracing <i>Replaced by 5D5-190-100</i>
235-118-106	1	Lines, Cutover, Line Miscellaneous & Groups — Trunks & Trunk Groups, Digit Analysis, Miscellaneous, Routing & Charging, Integrated SLC [®] -96 Carrier, and Remote Switching Module — Recent Change — Description of Procedures — Multimodule Offices, 5E11212 and 5E11213 Generic Programs	☐ ★	235-190-018	1 Group Alerting Service <i>Replaced by 5D5-190-100</i>
235-118-107	1	Equipment Recent Change — Description of Procedures — Multimodule Offices, 5E11212 and 5E11213 Generic Programs	☐ ★	235-190-019	1 Recorded Announcement Service <i>Replaced by 5D5-190-100</i>
235-118-108	1	Recent Change — Text Interface and Batch Input — Description of Procedures — 5E11212 and Later Generic Programs	☐ ★	235-190-020	1 Trunking Arrangements <i>Replaced by 5D5-190-100</i>
235-120-100	2	Traffic and Plant Measurements — Description	☐ ★	235-190-021	1 Overload Control and Essential Service Protection <i>Replaced by 5D5-190-100</i>
☐ 235-132-100	1	Remote Office Test Line (ROT) — Description <i>Replaced by 5D5-105-210</i>	☐ ★	235-190-022	1 Permanent Signal and Partial Dial Treatment <i>Replaced by 5D5-190-100</i>

	Section Number	Issue	Subject
[] ★	235-190-024	1	Automatic Message Accounting Collection System <i>Replaced by 5D5-190-100</i>
[] ★	235-190-025	1	Directory Assistance Charging <i>Replaced by 5D5-190-100</i>
[] ★	235-190-026	1	Toll Restriction, Toll Diversion, and Code Restriction <i>Replaced by 5D5-190-100</i>
[] ★	235-190-027	1	Billing Via Traffic Service Position System <i>Replaced by 5D5-190-100</i>
[] ★	235-190-028	1	Nonintegrated Per-Line Range Extension <i>Replaced by 5D5-190-100</i>
[] ★	235-190-029	1	Pair Gain Interface to Nonintegrated SLC® Carrier <i>Replaced by 5D5-190-100</i>
[] ★	235-190-030	1	Centralized Trunk Test Unit Interface <i>Replaced by 5D5-190-100</i>
[] ★	235-190-031	1	Charge-A-Call Service <i>Replaced by 5D5-190-100</i>
[] ★	235-190-032	1	Direct Interface With T1 Carrier <i>Replaced by 5D5-190-100</i>
[]	235-190-034	1	Basic Local/Toll <i>Replaced by 5D5-190-100</i>
[] ★	235-190-035	1	Trunk Group Controls Via Engineering and Administration Data Acquisition System/Network Management <i>Replaced by 5D5-190-100</i>
[] ★	235-190-036	1	Integrated SLC®-96 Carrier <i>Replaced by 5D5-190-100</i>
Add	235-190-037	1	
★	235-190-037	1	5A Remote Switching Module
★	235-190-038	1	Centralized Automatic Message Accounting
★	235-190-039	1	Automatic Message Accounting Teleprocessing System
[] ★	235-190-040	1	800 Service Feature <i>Replaced by 5D5-190-100</i>
[] ★	235-190-041	1	Carrier Group Alarm <i>Replaced by 5D5-190-100</i>
[] ★	235-190-042	1	Local Automatic Message Accounting
[] ★	235-190-044	1	Interface to the No. 2 Switching Control Center System Trunk — Maintenance Package — Feature Document <i>Replaced by 5D5-190-100</i>
	235-190-076	1	Trunk Error Analysis

	Section Number	Issue	Subject
DIVISION 240 — NO. 101 ELECTRONIC SWITCHING SYSTEM			
	240-0	Index	
	-1	Common to 101 Switch Unit and Control Unit	
	-2	101 Switch Units	
	-3	101 Control Unit	
240-0 INDEX			
●	◆ 240-000-000	11	Numerical Index — Division 240 — No. 101 Electronic Switching System
	240-001-011	2	Equipment Test List — No. 101 ESS* Switch
	240-001-012	1	Equipment Test List — 1A Switch Unit
	240-001-013	1	Equipment Test List — 2A Switch Unit
	240-001-014	1	Equipment Test List — 3A and 4A Switch Units
	240-020-510	1	Controlled Maintenance Plan
	240-020-520	1	Portable Maintenance Equipment Cords, Tools, and Materials
240-1 COMMON TO 101 SWITCH UNIT AND CONTROL UNIT			
♥	240-100-001	1	Business Services Engineering — Introduction
♥	240-100-002	1	Business Services Engineering — Satellite Operation
♥	240-100-003	1	Business Services Engineering — Service Features
<i>*Trademark of Western Electric</i>			
♥	240-100-004	1	Business Services Engineering — Central Office Considerations
♥	240-100-005	1	Business Services Engineering — Recommended Interdepartmental procedures
♥	240-100-006	1	Business Services Engineering — Operational Guidelines
♥	240-100-007	1	Traffic Measurement Program — Business Services Traffic Engineering — Dial PBX Systems-Electronic
♥	240-100-010	1	Business Services Traffic Administration — Dial PBX Systems-Electronic
	240-100-101	4	Switching Plan and Control Principles — Description of System Operation
	240-101-101	1	200-Line — Description of System Operation
	240-101-102	2	2A — Description of System Operation
Add	240-101-103	1	
	240-101-103	2	3A — Description of System Operation
	240-101-104	4	4A — Description of System Operation
	240-102-101	3	Data Transmission — Description of System Operation

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240-103-101	2	Digit Reception at Control Unit — Description of System Operation	240-207-201	2	Miscellaneous Equipment (4-Wire Trunk Circuit, Attendant Conference or Conference Calling Circuit, 3A Code Call Unit Trunk, Paging Trunk, Recorded Telephone Dictation Trunk, DID Answering Machine Circuit, Transmission Test Line Circuit, and Additional Power Failure Station Circuits) Identification, Installation, and Connections
240-104-101	1	Control Unit Stores — Description of System Operation	240-208-201	1	Service Options — Method of Providing
240-105-101	2	Data, Digit, and Sender Controls — Description of System Operation	240-209-201	1	J1H011A — Tests and Inspections at Time of Installation
★ 240-106-101	2	Call Processor — Description of System Operation	240-226-501	3	J1H011A — Manual Tests
Add 240-107-101	2		240-226-502	1	Leakage Test of 443A (PNPN) Diodes
240-107-101	3	Central Office and Tie Trunk Circuits — Description of System Operation	240-227-501	2	J1H011A — Data Receiver Circuit — Tests Using 124A Test Set SD-1H070-01
240-108-101	3	Maintenance Circuits — Description of System Operation	240-228-501	2	J1H011A — Data Distributor Circuit — Tests Using 124A Test Set SD-1H070-01
★ 240-109-101	2	Call Programs — Description of System Operations	240-229-501	2	J1H011A — Clock Circuit — Tests Using 124A Test Set SD-1H070-01
240-110-101	3	Maintenance Programs — Description of System Operations	240-230-501	2	J1H011A — Switch Store Circuit — Tests Using 124A Test Set SD-1H070-01
Add 240-120-110	1		240-231-501	2	J1H011A — Ring-Ringback Logic Circuit — Tests Using 124A Test Set SD-1H070-01
240-120-110	1	Program Store — Administration	240-232-501	2	J1H011A — Line Number Translator Circuit — Tests Using 124A Test Set SD-1H070-01
240-125-121	3	24-Hour Maintenance Printout	240-233-501	2	J1H011A — Attendant Number Translator Circuit — Tests Using 124A Test Set SD-1H070-01
Add 240-125-122	1		240-234-501	2	J1H011A — Attendant Circuit — Tests Using 124A Test Set SD-1H070-01
240-125-122	1	Direct Access Direct Inward Dialing — Printout Analysis	240-235-501	2	J1H011A — Transfer and Alarms Circuit — Tests Using 124A Test Set SD-1H070-01
240-125-123	1	Analysis of Miscellaneous — Maintenance Printouts	240-236-501	2	J1H011A — Test Line Circuit — Tests Using 124A Test Set SD-1H070-01
			240-237-501	2	J1H011A — Bus Clamp and Interbus Switch Circuit — Tests Using 124A Test Set SD-1H070-01
			240-238-501	2	J1H011A — Tone Generators Circuit — Tests Using 124A Test Set SD-1H070-01
			240-239-501	2	J1H011A — Scanner Circuit — Tests Using 124A Test Set SD-1H070-01
			240-240-501	2	J1H011A — Data Transmitter Circuit — Tests Using 124A Test Set SD-1H070-01
240-2 101 SWITCH UNITS			240-245 2A Switch Unit		
♥ 240-200-001	1	Business Services Engineering	Add 240-245-201	2	
Add 240-200-301	1		240-245-201	5	Identification, Installation, Connections, and Service Options
240-200-301	1	Attendant and Station Equipment — Switched-Loop Method of Operation	240-245-203	4	Connections From Switch Unit Frames to Locally Provided Distributing Frame
240-200-501	2	Switch Unit Periodic Maintenance Routine			
240-200-502	2	Switch Unit Maintenance — Retry Printout Analysis			
240-200-503	1	Trouble Locating Procedures Required When Circuit Pack Replacement Fails To Restore 2A and 3A Switch Units To Proper Operation Using 131A Test Set			
240-201 1A Switch Unit					
240-201-201	2	J1H011A — Identification and Installation			
240-202-201	2	J1H011A — Connections			
240-204-201	2	J1H011A — Attendant Equipment 1-Type Telephone Console — Connections			
240-204-202	1	J1H011A — Attendant Equipment Attendant Direct Station Selection — Installation and Connection			

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240-246-202	3	Attendant Equipment — Attendant Direct Station Selection — Installation and Connection	240-255-204	1	Installation and Connection of J1H013E Frame to an Operating Switch Unit
240-248-201	3	2A — Miscellaneous Equipment — Identification, Installation, and Connections	240-256-202	3	Attendant Equipment — Attendant Direct Station Selection — Installation and Connection
240-249-201	5	Tests and Inspections at Time of Installation	240-258-201	3	Miscellaneous Equipment — Identification, Installation, and Connections
240-250-301	4	General Guide to Trouble Analysis	240-259-201	4	Tests and Inspections at Time of Installation
240-250-302	2	131A Test Set	240-260-301	5	General Guide to Trouble Analysis
240-251-501	2	Manual Tests	240-260-302	2	131A Test Set — Application for 3A Switch Unit Testing
240-252-501	1	Attendant Equipment — Attendant Direct Station Selection — Operation Test	Add 240-261-501	1	
240-253-501	4	Trouble Locating Procedure for Failure Cured by Grand Slam Using 131A Test Set	240-261-501	3	Manual Tests
240-253-502	3	Trouble Locating Procedure for Failures Resulting in a Scanner Switch Using 131A Test Set	240-262-501	1	Attendant Equipment — Attendant Direct Station Selection — Operation Test
240-253-503	4	Trouble Locating Procedure for Failure Detected by Time Division Control Disable Using 131A Test Set	240-263-501	4	3A and 4A — Trouble Locating Procedure for Failure Cured by Grand Slam Using 131A Test Set
240-253-504	3	Trouble Locating Procedure for Failure Detected by a Bounce Test	240-263-502	4	3A and 4A — Trouble-Locating Procedure for Failure Resulting in Scanner Switch Using 131A Test Set SD-1H119-01
240-253-505	3	Trouble Locating Procedure for Failure Detected by a Force Off-Hook Test	240-263-504	3	3A or 4A — Trouble Locating Procedure for Failure Detected by a Bounce Test
240-253-506	3	Trouble Locating Procedure for Failure Detected by a Group Translator Test Using 131A Test Set	240-263-505	3	3A and 4A — Trouble Locating Procedure for Failure Detected by Force Off-Hook Test
240-253-507	3	Trouble Location Procedures for Failure Detected by an Immediate or Interrupted Ring Test	240-263-506	3	3A or 4A — Trouble Locating Procedure for Failure Detected by a Group Translator Test
240-253-508	3	2A — Trouble Locating Procedure for Failure Detected by a Transmission Test	240-263-507	4	3A and 4A — Trouble-Locating Procedure for Failure Detected by an Immediate or Interrupted Ring Test Using 131A Test Set
240-253-509	3	Trouble Locating Procedure for Failure of Attendant Circuit — Using 131A Test Set	240-263-508	4	3A or 4A — Trouble Locating Procedure for Failure Detected by Transmission Test
240-253-510	2	Trouble Locating Procedure for Failures Detected During 24-Hour Maintenance Using 131A Test Set	240-263-509	4	3A or 4A — Trouble-Locating Procedure for Failure of Attendant Circuit Using 131A Test Set
240-253-511	3	Trouble Locating Procedure for Failure Detected by an Intergroup Switch Test Using 131A Test Set	240-263-510	4	3A and 4A — Trouble-Locating Procedure for Failures Detected During 24-Hour Maintenance Using 131A Test Set
240-253-512	3	Trouble Locating Procedure for Failure Detected by a Digit Trunk Test Using 131A Test Set	240-263-511	3	Trouble Locating Procedure for Failure Detected by an Intergroup Switch Test Using 131A Test Set
240-255 3A Switch Unit			Add 240-263-512	1	
Add 240-255-201	1		240-263-512	4	3A and 4A — Trouble Locating Procedure for Failure Detected by Digit Trunk Test — Using 131A Test Set
240-255-201	5	Identification, Installation, Connections, and Service Options	240-263-513	3	3A and 4A — Trouble-Locating Procedure for Failures Detected by the Synch Test Using 131A Test Set SD-1H119-01
240-255-202	2	Connections From Switch Unit Frames to Locally Provided Distributing Frame and for Attendant Telephone Consoles			

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240-265	4A	Switch Unit
240-265-201	3	Identification, Installation, Connections and Service Options
240-269-201	1	Tests and Inspections at Time of Installation
240-270-101	2	Audit Procedure
240-270-301	3	General Guide to Trouble Analysis
240-271-501	1	Manual Tests

240-3 101 CONTROL UNIT

♥ 240-300-001	1	Business Services Engineering
240-300-301	5	Emergency Action Procedures
240-300-302	3	Night Coverage Procedure
240-313-301	1	Trunk Control Frame Cross Connections
240-314-010	1	Procedure for Preparing Form E-5130-9 — Program Store Administrative Data
240-315-301	3	Twistor Store Cards — Method of Encoding and Procedure for Verification
240-315-701	2	2-Type Card Writing Unit — Requirements and Adjusting Procedures — Piece-Part Data and Replacement Procedures
240-315-801	1	2A Card Writing Unit SD-1H063 — Piece-Part Data and Replacement Procedures
240-320-501	1	Manual Maintenance Routine
240-321-501	5	Maintenance Center On-Line Timers — Test of Redundant Circuits
240-323-501	6	Maintenance Center Lockout Relays — Test of Redundant Circuits
240-325-501	4	Maintenance Center Alarm Circuit — Test of Redundant Circuits
240-327-501	3	Maintenance Center Data Control Transfer Circuit — Test of Power Diodes
240-341-501	3	Twistor Store — Conditioning Procedure
240-342-501	1	Twistor Store Failures — Test of Readout Loop
240-343-501	2	Control Unit Clock — Manual Test
240-345-501	3	Call Store — Marginal Test
Add 240-347-501	1	
240-347-501	5	Program Store — Marginal Test
240-349-501	5	Line Information Store — Marginal Test
240-351-301	2	Control Unit — Power Failure — Alarms and Procedures
240-351-501	3	Control Unit Data Link Transfer Circuit — Test of Power Diodes

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240-353-501	3	Control Unit Data Transmitter — Test of the Power Diodes
240-355-301	2	Test Point Comparator Circuit SD-1H059 — Method of Operation
240-355-501	3	Test Point Comparator Circuit SD-1H059-01 — Tests

DIVISION 250 — TRAFFIC SERVICE SYSTEMS

250-0 Indexes, Equipment Test Lists, and Sections Common to Traffic Service Systems

- 1 Traffic Service Position System No. 1
- 2 Traffic Service Position System No. 1B
- 4 Automatic Intercept System
- 9 Positions, Consoles, Desks, and Miscellaneous Equipments

250-0 INDEXES, EQUIPMENT TEST LISTS, AND SECTIONS COMMON TO TRAFFIC SERVICE SYSTEMS

● ♠ 250-000-000	53	Numerical Index — Division 250 — Traffic Service Systems
250-000-005	1	Interdivisional Numeric Index — No. 1/1B
250-001-011	14	Traffic Service Position No. 1 — Operator Services
250-001-012	11	Alarms — Traffic Service Position System No. 1 — Operator Services
250-001-013	11	Stored Program Control for Traffic Service Position System No. 1 — Operator Services
250-001-014	6	Position, Console, Desk — Operator Services
250-001-015	6	Automatic Intercept System — Operator Services
250-001-016	2	Traffic Service Position System No. 1B — Operator Services
250-001-020	1	Network Maintenance Management Plan — Operational Review Guidelines
250-020-005	4	Network Performance Measurement Plan — Description — Network Switched Services
250-020-006	1	Network Performance Measurement Plan — Integrity Review — Network Switched Services
250-020-007	1	Network Performance Measurement Plan — General Description — Remote Trunking Arrangement
250-020-510	1	Controlled Maintenance Plan — TSPS No. 1
250-020-515	1	Software Reliability and Administration Magnetic Tapes — Network Switched Services
250-020-520	1	Portable Maintenance Equipment — Cords, Tools, and Material

Section Number	Issue	Subject	Section Number	Issue	Subject
250-020-521	1	Portable Maintenance Equipment — Cords, Tools, and Material — Automatic Intercept System	250-030-320	1	System Control (ROOT) Programs — Operating Procedures for Generic 2DB3.1 — No. 2 Data Base Administration System (DBAS-2)
250-030-101	1	File Access Subsystem-1 (SD-1B264-01) — Description	250-030-323	1	No. 2 Data Base Administration System (DBAS-2) — Emergency Action Procedures for Generic 2DB3.2
250-030-102	1	Administrative Data Link and Interface — Description — File Access Subsystem	250-030-324	1	No. 2 Data Base Administration System — System Initialization and Acceptance Procedures for Generic 2DB3.2
250-030-103	3	No. 2 Data Base Administration System (DBAS-2) — Description	250-1 TRAFFIC SERVICE POSITION SYSTEM NO. 1		
Add 250-030-301	1	Automatic Intercept Center (AIC) Data Link — Description, Diagnostic and Trouble Locating — Data Base Administration System No. 1 (SD-1B264-01)	Add 250-100-101	5	Position Subsystem No. 1 — 100B Traffic Service Position Section and Position Buffer — Description
250-030-301	1		250-100-101	5	
Add 250-030-302	1	Automatic Intercept Center (AIC) Data Link — Description, Diagnostics and Trouble Locating — Data Base Administration System No. 2 (SD-1B307-01)	250-101-101	3	Position Subsystem No. 1 Position Signal Distributor — Data Assembly and Checking Unit and Group Gate — Description
250-030-302	1		250-102-101	3	Position Subsystem No. 1 — Position Scan and Gate Circuit and Alarm Sender Circuit — Description
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250-030-304	1	System Initialization and Acceptance Procedures — File Access Subsystem-2 (SD-1B307-01) (Generic 2F1)	250-103-501	5	Delayed Call Trunk, Service Observing Access Circuit, and Operator Service Trunk — Tests and Adjustments
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254-301-215	3	Disk File Controller — Description and Theory of Operation
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▲ ♠ 254-301-811	4	Common Systems Routine Tasks
▲ ♠ 254-301-812	2	Control Unit Trouble Clearing
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▲ ♠ 254-301-816	2	Common Systems — Growth and Retrofit
254-301-821	1	300-Megabyte Moving Head Disk Drive — KS-22072, 11 — Preventive Maintenance
254-301-822	1	300-Megabyte Moving Head Disk Drive — KS-22072, 12 — Preventive Maintenance

254-302 3B20D Computer (Models 2 and 3)

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254-302-005	3	General Description
254-302-010	1	Central Control — Description and Theory of Operation
254-302-020	2	Power Systems — Description and Theory of Operation
254-302-100	2	Input/Output Interfaces — Description and Theory of Operation

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★ 254-302-105	1	Input-Output Processor — Description and Theory of Operation	▲ ♦ 254-302-840	2	Common Systems — Acceptance Tasks (IMML Formats)
Add 254-302-110	1		▲ ♦ 254-302-841	3	Common Systems — Routine Tasks (IMML Formats)
254-302-110	2	Input/Output Processor Peripheral Controllers — Description and Theory of Operation	▲ ♦ 254-302-842	1	Common Systems — Trouble Clearing (IMML Formats)
254-302-115	2	Teletypewriter/Printer System — Description			
254-302-200	3	Main Store — Description and Theory of Operation	254-340 3A Processor Software Documentation		
254-302-210	1	300-Megabyte Moving Head Disk Drives — General Description — Model 2	★ 254-340-001	1	Extended Operating System (EOS) — Overview — Description — Extended Operating System
Add 254-302-211	1		★ 254-340-014	1	Memory Protection and Organization — Description — Extended Operating System
254-302-211	1	160-Megabyte Disk Drive — General Description — Model 2	★ 254-340-030	2	Processor/Process Management — Creation, Event, and Communication Control, Description — Extended Operating System
254-302-212	1	340-Megabyte Disk Drive — General Description	★ 254-340-031	2	Processor/Process Management — Interrupt Handling and Timer Management — Description — Extended Operating System
★ 254-302-215	2	Disk File Controller — Description and Theory of Operation	★ 254-340-040	2	Data Administration — Extended Operating System
254-302-220	1	Magnetic Tape System — General Description	★ 254-340-052	1	Device Handlers — Description — Extended Operating System
254-302-221	1	Magnetic Tape System KS-23113 — General Description	★ 254-340-054	1	Terminal Administration — Description — Extended Operating System
254-302-800	2	Emergency Action Facilities — Description	★ 254-340-062	1	File System — Description — Extended Operating System
▲ ♦ 254-302-808	2	Common Systems Acceptance Tasks	★ 254-340-064	2	Data Base Organization — Description — Extended Operating System
254-302-809	1	Acceptance Test Plan — Description	★ 254-340-080	1	Maintenance Overview — Description — Extended Operating System
254-302-810	1	Test Equipment — Description	★ 254-340-082	2	System Utilities — Description — Extended Operating System
▲ ♦ 254-302-811	3	Common Systems Routine Tasks	★ 254-340-084	1	Resident Maintenance — Description — Extended Operating System
▲ ♦ 254-302-812	2	Trouble Clearing	★ 254-340-086	3	Initialization and Recovery — Extended Operating System
▲ ♦ 254-302-816	2	Common Systems — Growth and Retrofit	★ 254-340-088	2	Processor Diagnostics — Extended Operating System
254-302-821	1	300-Megabyte Moving Head Disk Drive — KS-22072, I1 — Preventive Maintenance — Model 2	★ 254-340-090	2	Peripheral Diagnostics — Description — Extended Operating System
254-302-822	1	300-Megabyte Moving Head Disk Drive — KS-22072, I2 — Preventive Maintenance — Model 2	★ 254-340-100	1	Introduction to 3A Language
254-302-823	1	300-Megabyte Moving Head Disk Drive — KS-22707, I1 — Preventive Maintenance — Model 2	Add 254-340-102	1	
254-302-824	1	300-Megabyte Moving Head Disk Drive — KS-22707, I2 — Preventive Maintenance — Model 2	★ 254-340-102	2	Basic and Extended Instruction Set
▲ ♦ 254-302-830	2	Common Systems — Acceptance Tasks (PDS Formats)	★ 254-340-104	1	Program Listing Organization and Usage — Common Systems Description
▲ ♦ 254-302-831	3	Common Systems — Routine Tasks (PDS Formats)	★ 254-340-106	1	Extended Operating System — Macros and Glossary
▲ ♦ 254-302-832	1	Common Systems — Trouble Clearing — (PDS Formats)			

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254-341 3B20D Computer Software Documentation		
★ 254-341-000	4	Operating System — Description
★ 254-341-100	3	File System — Description
★ 254-341-105	3	Input/Output Software Structures — Description
★ 254-341-110	2	Kernel and Basic Services — Description
Add 254-341-114	1	
254-341-114	2	Field Operation Tools — Description <i>Issue 1 was an SPCS Practice.</i>
★ 254-341-115	2	Generic Access Package (GRASP) — Description
★ 254-341-116	1	Plant Measurement System — Description
★ 254-341-120	1	Interface and Integrity Facility
★ 254-341-200	5	Maintenance and Fault Recovery — Description
★ 254-341-210	2	Data Base Management System — Description
★ 254-341-211	1	Low Level Access/Software Demand Paging Systems — Description
★ 254-341-220	2	System Diagnostic — Description
254-341-230	3	Craft Interface — Description <i>Issue 2 was an SPCS Practice.</i>
★ 254-341-235	1	Audit Facilities — Description — DMERT Operating System
★ 254-341-236	1	Audit Facilities — Description — UNIX TM RTR Operating System
★ 254-341-240	2	DMERT Operating System Field Update Facilities — Description
★ 254-341-241	1	UNIX TM RTR Operating System Field Update Facilities — Description
★ 254-341-245	1	Operating System Generic Update Facilities — Description

DIVISION 255 — PROCESSOR CONTROLLED AND ANCILLARY SYSTEMS

255-0 Indexes and Sections Applicable to All Systems
 .2 Switching
 .3 1 Packet Switching System
 .5 Data Base Systems

255-0 INDEXES AND SECTIONS APPLICABLE TO ALL SYSTEMS

● ♣ 255-000-000	44	Numerical Index — Division 255 — Processor Controlled and Ancillary Systems
255-000-030	1	Interdivisional Numerical Index — 1 Packet Switching System

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● 255-001-030	1	Maintenance Schedules — AT&T WESTERN ELECTRIC [®] 1 Packet Switching System

255-063 1 Packet Switching System 1PSS

255-063-010	1	Engineering Guidelines and Equipment Order Preparation
255-063-012	1	Packet Switch Routing Guidelines — AT&T WESTERN ELECTRIC [®] 1 Packet Switching System
255-063-013	1	Traffic and Resource Usage, Measurements and Utilization — AT&T WESTERN ELECTRIC [®] 1 Packet Switching System (1PSS)

255-090 Feature Documents

★ 255-092-010	2	Feature Document — System Features — No. 10A Remote Switching System (RSS)
255-093-010	1	1 Packet Switching System (1PSS) — Description
255-093-500	2	Model 1 and Model 2 Remote Packet Modules — Description and Operation — AT&T WESTERN ELECTRIC [®] 1 Packet Switching System

255-2 SWITCHING

255-200-100	2	Remote Switching System — General Description
▲ ♣ 255-200-301	2	No. 10A Remote Switching System — Maintenance Procedure

255-3 1 PACKET SWITCHING SYSTEM

255-300-105	2	Packet Switch Maintenance Considerations — AT&T WESTERN ELECTRIC [®] 1 Packet Switching System
● ▲ ♣ 255-301-003	2	Operations and Maintenance Procedures
255-350-105	2	Model 1 and Model 2 Remote Packet Modules — Maintenance Considerations — AT&T WESTERN ELECTRIC [®] 1 Packet Switching System
▲ ♣ 255-351-100	2	Model 1 Remote Packet Module Frame, Local Area Data Transport Service
● ▲ ♣ 255-352-100	1	Model 2 Remote Packet Module Frame, Local Area Data Transport Service
255-390-010	1	Packet Switch — Description — AT&T WESTERN ELECTRIC [®] 1 Packet Switching System

255-5 DATA BASE SYSTEMS

255-500-100	2	Data Management System (DMS) and Automatic Location Identification (ALI) System Used With Emergency 911 (E911) — Description
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256-0 Indexes and Sections Applicable to All Systems					
-01 CCSS Common Functions					
-02 CCIS Related Features					
-04 Shared CCSS Equipment					
-07 Network Administration					
-1 Network Control Points					
-2 Signal Transfer Points (STPs)					
-4 CCSS User Offices					
256-0 INDEXES AND SECTIONS APPLICABLE TO ALL SYSTEMS					
• ♣ 256-000-000	31	Numerical Index — Division 256 — Common Channel Signaling System (CCSS)	256-040-102	1	Voice Frequency Link Access Circuit — Description
256-000-005	9	Interdivisional Alphanumeric Index	256-040-103	1	CCIS Data Set Frame SD-94874-01 — Description — Common Channel Interoffice Signaling
256-001-011	1	Equipment Test List — No. 1 Signal Transfer Point — Common Channel Interoffice Signaling	256-040-104	2	Voice Frequency Link Test Frame — Description — Common Channel Interoffice Signaling
256-01 CCSS COMMON FUNCTIONS					
256-010-100	2	Common Channel Interoffice Signaling — Description	256-040-300	1	Signaling Links — Rehoming and Retirement Procedures — Common Channel Interoffice Signaling
256-010-101	1	Common Channel Interoffice Signaling — Network Fault Recognition and Recovery	256-040-301	1	Signaling Links — Conversion From 2400 to 4800 BPS — Common Channel Interoffice Signaling
256-010-102	1	Direct Signaling — Description — Common Channel Interoffice Signaling	256-040-302	1	Signaling Links — Growth and Degrowth
256-010-103	1	CCIS Systems and Centers — Duties and Responsibilities — Common Channel Interoffice Signaling	256-040-303	1	Signaling Links — Link Security Check Procedures — Common Channel Interoffice Signaling
256-010-104	1	CCIS Centers, Support Systems, and Interfaces — Description — Common Channel Interoffice Signaling	256-040-500	1	Signaling Links — Maintenance — Common Channel Interoffice Signaling
256-010-501	1	Centralized Data Collection — Description — Common Channel Interoffice Signaling	256-040-501	1	Terminal Group — Maintenance — Common Channel Interoffice Signaling
256-02 CCIS RELATED FEATURES					
256-020-100	1	800 Service — Description	256-040-502	1	Voice Frequency Link Access Circuit SD-68758-01 — Test And Adjustment Procedures — Common Channel Interoffice Signaling
256-020-101	1	Advanced 800 Service — Description — Common Channel Interoffice Signaling	256-040-503	1	Signaling Links—Performance Tests—Common Channel Interoffice Signaling <i>Formerly 212-807-503</i>
256-020-102	1	International 800 Service — Description — Common Channel Interoffice Signaling	256-040-504	1	Data Set Frame SD-94874-01 — Maintenance — Common Channel Interoffice Signaling
256-020-110	2	Automated Calling Card Service — Description — Common Channel Interoffice Signaling	256-040-505	1	AC Power and Alarm Frame SD-68771-01 — Tests — Common Channel Interoffice Signaling
256-04 SHARED CCSS EQUIPMENT					
256-040-100	2	Signaling Links — Description — Common Channel Interoffice Signaling	256-040-510	1	Analog Signaling Links — Performance Tests Between No. 1 and No. 2 Signal Transfer Points — Common Channel Interoffice Signaling
256-040-101	1	Terminal Group — Description — Common Channel Interoffice Signaling	256-040-515	1	Analog Signaling Links — Performance Tests Between No. 2 Signal Transfer Point and 4 ESS* Switch — Common Channel Interoffice Signaling
			256-041-100	1	Network Services Complex J4A017—Description—Common Channel Signaling Systems
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256-070-104	1	Common Channel Interoffice Signaling — Signaling Link Provision — Network Administration Center (CNAC)	256-100-530	1	800 Service Software 1DB2 — Measurements and Reports — Common Channel Interoffice Signaling
256-070-105	1	Common Channel Interoffice Signaling — No. 1 Signal Transfer Point — Reload Process	256-100-540	1	Automated Calling Card Service Software 1BVA2 — Measurements and Reports — No. 1A — Common Channel Interoffice Signaling
256-070-107	1	Voice Frequency Links — In-Effect Reporting — Common Channel Interoffice Signaling	256-100-560	1	Interprocessor Link — Maintenance — No. 1A — Common Channel Interoffice Signaling
256-070-201	1	Network Signaling Performance Measurement Plan — Monitoring Interoffice Signaling at a No. 1 Signal Transfer Point	256-100-570	1	Centralized Data Collection — Software 1CDC1 — Measurements and Reports — No. 1A — Common Channel Interoffice Signaling
256-1 NETWORK CONTROL POINTS			256-2 SIGNAL TRANSFER POINTS (STPs)		
256-100-000	2	No. 1A — System Documentation — Description and Organization — Common Channel Interoffice Signaling	256-200 No. 1 STP		
256-100-100	2	No. 1A — Description — Common Channel Interoffice Signaling	256-200-100	2	No. 1 Signal Transfer Point — Description — Common Channel Interoffice Signaling
256-100-101	1	Interprocessor Link — Description — No. 1A — Common Channel Interoffice Signaling	256-200-101	1	Controlled Maintenance Plan — No. 1 Signal Transfer Point — Common Channel Interoffice Signaling
256-100-103	1	Controlled Maintenance Plan — No. 1A — Common Channel Interoffice Signaling	256-200-300	1	No. 1 Signal Transfer Point — Office Data Loading Procedure — Common Channel Interoffice Signaling
256-100-105	2	Local Maintenance Position — Description — No. 1A — Common Channel Interoffice Signaling	★ 256-200-321	1	No. 1 Signal Transfer Point — Recovery From Catastrophic Failure
<i>*Trademark of AT&T Technologies</i>			256-200-322	1	No. 1 Signal Transfer Point — Emergency Recovery Flowchart — Common Channel Interoffice Signaling
256-100-106	1	Ring Node Frame — Description — No. 1A — Common Channel Interoffice Signaling	256-200-510	1	Software Measurements and Reports — Common Channel Interoffice Signaling
256-100-107	1	Digital Facility Access Frame — Description — No. 1A — Common Channel Interoffice Signaling	256-210 No. 2 STP		
● 256-100-108	1	Synchronous Data Links — Description — Common Channel Interoffice Signaling	256-210-000	1	Common Channel Interoffice Signaling — System Documentation — Description and Organization
256-100-300	1	NCP Support Software — Loading Procedure — No. 1A	256-210-100	1	Common Channel Interoffice Signaling — Description
256-100-301	1	Broadcast Warning Messages — Implementation — No. 1A — Common Channel Interoffice Signaling	256-210-101	1	Ring Node Frame — Description — Common Channel Interoffice Signaling
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256-100-501	1	System Status Displays — No. 1A — Common Channel Interoffice Signaling			

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256-210-106	1	AC Power and Alarm Frame — Description — No. 2 Signal Transfer Point — Common Channel Interoffice Signaling	256-210-110	1	Voice Frequency Link Test Set — Description — Common Channel Interoffice Signaling
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DIVISION 300 — TRANSMISSION SYSTEMS AND TESTING — CROSS-REFERENCE LIST

300-0 Indexes and Cross-Reference List

300-0 INDEXES AND CROSS-REFERENCE LIST

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● ◆ 300-000-000	21	Numerical Index — Division 300 — Transmission Systems and Testing — Cross-Reference List

300-020 Cross-Reference List

●	300-020-006	19	E Series to Plant Series
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DIVISION 304 — TRANSMISSION DATA

304-0 Index, General Information and Computation Aids

- 1 Open Wire, Multiple Wire and Cable Data
- 2 Equipment Data
- 3 Insertion Loss, Reflection Loss, Circuit Junction Loss, and Transducer Loss Data
- 4 Return Loss Data
- 5 Crosstalk Data
- 6 Systems Data

304-0 INDEX, GENERAL INFORMATION AND COMPUTATION AIDS

● ◆ 304-000-000	24	Numerical Index — Division 304 — Transmission Data	
	304-001-100	2	Transmission Losses Introduced by Reflection Effects

304-005) Computation Aids**304-010)**

304-005-100	1	Relation Between dB and Power Ratio — Gains
304-006-100	1	Relation Between dB and Voltage or Current Ratio — Gains
304-007-100	1	Combination of Two Quantities in Decibels
304-008-100	1	Reflection Losses — Decibels
304-008-101	1	Alignment Chart for Reflection Losses — Decibels
304-009-100	1	Charts for Evaluation of Complex Quantities
304-010-100	1	Sampling — Table of Random Decimal Digits

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304-015) Charts for Determination of Input Impedance of 304-022) Cables**Input Impedance of Non-Loaded Cable with any Termination**

304-015-100	2	General
304-016-100	1	19 Gauge — ANB, DNB
304-017-100	1	19 Gauge — CNB, ENB
304-018-100	1	22 Gauge ASA, BSA, CSA
304-019-100	1	24 Gauge ASM, CSM
304-020-100	1	24 Gauge DSM
304-021-100	1	26 Gauge BST

Input Impedance of Loaded and Non-Loaded Cable — Arbitrary Lengths and Gauges

304-022-100	1	Determination of Input Impedance of Loaded and Non-Loaded Lines of Arbitrary Lengths and Terminations
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304-1 OPEN WIRE, MULTIPLE WIRE AND CABLE DATA**304-100) Open Wire Transmission Data 304-106)**

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304-100-100	1	Transmission Characteristics of Open Wire Circuits

Open Wire Losses at 1000 Cycles

304-101-100	3	Dry Weather Loss at 68° F
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Open Wire Losses at Carrier Frequencies

304-102-100	4	Wet Weather Loss
304-102-101	2	Wet Weather Losses — 155 to 410 Kilocycles — Copper or Copper-Steel Wire
304-102-102	2	Dry Weather Losses
304-102-103	2	Dry Weather Losses — 155 to 410 Kilocycles — Copper or Copper-Steel Wire

Open Wire Impedance, Attenuation and Phase

304-105-100	1	104, 128 and 165 mil Copper — 12" Spacing — S and P
304-105-101	1	104, 128 and 165 mil Copper — 6" and 8" Spacing — S
304-105-102	2	80, 104-128 and 165 mil Copper-Steel (40%) — 12" Spacing — S and P
304-105-103	2	80, 104, 128 and 165 mil Copper-Steel (40%) — 8" Spacing — S and P
304-105-104	1	104 and 128 mil Copper-Steel (30%) — 8" and 12" Spacing — Side Circuits
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304-110) Multiple Wire Transmission Data 304-112)		
Primary and Secondary Constants		
304-110-100	2	B Rural Distribution Wire — Primary
304-110-101	2	B Rural Distribution Wire — Secondary
304-111-100	1	B Urban Wire — Primary
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304-112-100	1	C Rural Wire — Primary
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304-120) Cable Transmission Data 304-177)		
304-120-100	1	Transmission Characteristics of Non-Loaded Toll and Toll Entrance Cable Pairs
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Primary and Secondary Constants		
304-130-100	2	16 Gauge NH-TH — Primary
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304-131-100	3	19 Gauge ANB, DNB, GNB Primary
304-131-101	3	19 Gauge ANB, DNB, GNB Secondary
304-131-102	1	19 Gauge ANB, DNB — Hyperbolic Functions of Propagation Constants
304-132-100	3	Primary Constants of Nonloaded Cable — 19 Gauge CNB, ENB, FNB
304-132-101	3	Secondary Constants of Nonloaded Cable — 19 Gauge CNB, ENB, FNB
304-132-102	1	19 Gauge CNB, ENB, Hyperbolic Functions of Propagation Constants
304-133-100	3	Primary Constants of Non-Loaded Cable — 22 Gauge ASA, BSA, CSA, DSA, ESA
304-133-101	3	Secondary Constants of Non-Loaded Cable — 22 Gauge ASA, BSA, CSA
304-133-102	1	22 Gauge ASA, BSA, CSA — Hyperbolic Functions of Propagation Constants
304-134-100	2	24 Gauge ASM, CSM — Primary
304-134-101	2	24 Gauge ASM, CSM — Secondary
304-134-102	1	24 Gauge ASM, CSM — Hyperbolic Functions of Propagation Constants
304-135-100	3	24 Gauge DSM — Primary
304-135-101	3	24 Gauge DSM — Secondary
304-135-102	1	24 Gauge DSM — Hyperbolic Functions of Propagation Constants

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304-136-100	2	26 Gauge AST — Primary
304-136-101	2	26 Gauge AST — Secondary
304-136-102	1	26 Gauge AST — Hyperbolic Functions of Propagation Constants
304-137-100	3	26 Gauge BST — Primary
304-137-101	3	26 Gauge BST — Secondary
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Secondary Constants of Loaded Cable

304-140-100	2	19 Gauge DNB — B88 Loading
304-140-101	2	19 Gauge DNB — D88 Loading
304-140-102	2	19 Gauge DNB — H44 Loading
304-140-103	2	19 Gauge DNB — H88 Loading
304-141-100	2	19 Gauge CNB, ENB, FNB — B88 Loading
304-141-101	2	19 Gauge CNB, ENB, FNB — B135 Loading
304-141-102	2	19 Gauge CNB, ENB, FNB — D88 Loading
304-141-103	2	19 Gauge CNB, ENB, FNB — H44 Loading
304-141-104	2	19 Gauge CNB, ENB, FNB — H88 Loading
304-142-100	2	22 Gauge ASA, BSA, CSA, DSA, ESA — B88 Loading
304-142-102	2	22 Gauge ASA, BSA, CSA, DSA, ESA — D88 Loading
304-142-103	2	22 Gauge ASA, BSA, CSA, DSA, ESA — H44 Loading
304-142-104	2	22 Gauge ASA, BSA, CSA, DSA, ESA — H88 Loading
304-143-100	1	24 Gauge ASM, CSM — B88 Loading
304-143-101	1	24 Gauge ASM, CSM — H44 Loading
304-143-102	1	24 Gauge ASM, CSM — H88 Loading
304-144-100	2	24 Gauge DSM — B88 Loading
304-144-101	2	24 Gauge DSM — D88 Loading
304-144-102	2	24 Gauge DSM — H44 Loading
304-144-103	2	24 Gauge DSM — H88 Loading
304-145-100	1	26 Gauge AST — H88 Loading
304-146-100	2	26 Gauge BST — H88 Loading

Cable Impedance Data

Input Impedance of Non-Loaded Cable With Short-Circuit and Open-Circuit Termination

304-150-100	1	19 Gauge CNB
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304-151-100	1	22 Gauge CSA	304-175-102	1	19 and 16 Gauge H-86-32 Loaded Cable
304-152-100	1	24 Gauge DSM	304-175-103	1	19 Gauge H-88-50 Loaded Cable
Input Impedance of Loaded Cable with Short-Circuit and Open-Circuit Termination			304-175-104	1	19 Gauge B-88-50 Loaded Cable
304-153-100	1	22 Gauge CSA — H44 Loading	304-175-105	1	19 and 16 Gauge 44-25 loaded Cable
304-153-101	1	22 Gauge CSA — H88 Loading	304-176-100	1	Transmission Characteristics Polyethylene Insulated Video Pairs — 16 PSV and 16 PEV
Attenuation of Miscellaneous Cables at 1000 HZ			304-2 EQUIPMENT DATA		
304-160-100	4	Outside Plant Cable and Paired Conductor Facilities	304-200 Graphical Determination of Input Impedance of Repeating Coil With Any Terminating Impedance		
304-161-100	1	Toll Cable Facilities with Common Types of Loading	304-200-100	1	General
304-161-101	1	Toll Cable Facilities with Unusual Types of Loading	304-200-101	1	94E Coil
304-162-100	1	Exchange Type Cables in Toll Circuits	304-200-102	1	94F Coil
304-163-100	1	Entrance and Intermediate Cables	304-201-100	1	120C Coil
304-164-100	1	Non-Loaded Facilities — From Length and Resistance	304-201-101	1	120D Coil
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304-167-100	2	16 ga. Toll Cable	Equipment Losses at 1000 Cycles		
304-167-101	2	16 ga. NH Cable	304-203-100	1	Composite Sets
304-168-100	2	19 ga. Toll Cable	304-204-100	2	Repeating Coils — General
304-168-101	2	19 ga. DNB Cable	304-204-101	1	4-Wire Repeating Coils and Associated Equipment
304-168-102	2	19 ga. CNB or ENB Cable	304-204-102	2	Hybrid Repeating Coils — 2-Wire Cable Circuits
304-168-103	2	19 ga. PIC Cable	304-204-103	1	V-1 Hybrid Repeating Coils — Open Wire
304-168-104	1	19 ga. PIC Cable	304-204-104	2	Hybrid Repeating Coils No. 4 Toll Switching System
304-169-100	2	22 ga. ANA Cable	304-205-100	4	4-Wire Terminating Sets
304-169-101	3	22 ga. CSA Cable	304-206-100	1	Combinations of Line Equipment for Open Wire
304-169-102	1	22 ga. PIC Cable	304-207-100	2	Signaling Equipment — Equipment Losses
304-170-100	2	24 ga. CSM Cable	304-208-100	1	Miscellaneous Equipment and Arrangements
304-170-101	2	24 ga. DSM Cable	304-209-100	2	Miscellaneous Carrier Equipment
304-171-100	1	Cable Loss at 772 Kilocycles for Engineering T1 Carrier Systems	304-210-100	1	Special Equipment for Telephotograph Circuits
304-172-100	1	Frequency-Attenuation Characteristics — W.E.Co. CA-1878 Cable (Polyethylene Jacketed, Single, .375" Coaxial)	Equipment Losses at Carrier Frequencies		
Quadded Cable Impedance Attenuation and Phase Data			304-220-100	2	Miscellaneous Line Equipment
304-175-100	1	19, 16, 13 and 10 ga. Cable (.062 uf/mil Non-Loaded Cable)	Equivalent T-Networks for Equipment		
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304-230-101	1	Unity Ratio 94, 101 and 120 Type Repeating Coils
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304-3 INSERTION LOSS, REFLECTION LOSS, CIRCUIT JUNCTION LOSS, AND TRANSDUCER LOSS DATA

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304-300-102	1	Length — Resistance — Insertion Loss — Nonloaded High-Capacitance Cable Pairs
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304-302-100	1	Junction of Open Wire and Loaded Cable
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304-304-100	1	772 KC — Junction Loss in DB for Engineering T1 Carrier Systems
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304-305-100	2	Transducer Loss for Cable Facilities — Manual Calculation Methods
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304-400-101	1	Toll Cable — Echo

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304-401-100	1	Toll Cable — Structural Return Loss and Singing Point
304-402-100	1	Open Wire — Structural Singing Point
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304-403-101	1	Adjustments for Short Lengths of Loaded Facility
304-404-100	1	Computed Structural Return Losses in the Echo Range — Exchange Area Facilities

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304-405-102	1	Loaded Entrance Cable Vs. 18" Copper Open Wire Sides
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304-408-103	1	Facility Losses at 68°F for Referring Return Loss in Computing Line Section Return Loss
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304-409-100	1	Chart for Obtaining the Reference Deviation of a Loading System
304-409-101	1	Typical Improvement in Structural Return Loss with Deviation Test Splicing — Exchange Area Facilities
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304-412-100	1	Loading Irregularity Return Losses
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304-420-100	1	16A, 16B and D-85697 Autotransformers	304-505-100	2	Carrier Frequency Crosstalk — 13, 16 and 19 Gauge — Toll Entrance Cables
304-421-101	1	24A Autotransformer and N.L. Cable	304-506-100	1	Typical Pair-to-Pair Equal Level Far-End Cross-talk Coupling Losses at 165KC — Exchange Cables
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304-500-100	1	Data for Relative Types A/A to H/H and I/I to P/P	Frequency Allocations		
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304-500-110	1	Data for Relative Types I/J to I/P and J/K to J/P	-3		Enhanced Private Switched Communications Service (EPSCS)
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304-501-100	1	Relation Between Coupling DBX and Crosstalk Units (CU)		309-001-011	5 ETL
304-501-101	1	Relation Between Coupling in DBX and (CU)2 in Thousands	309-1 SWITCHED SERVICE NETWORKS (SSN)		
304-501-102	1	Relation Between Coupling in DBX, Number of Occurrences and CU2 in Thousands	309-100-000	1	General Description
304-502-100	1	Effective Voice-Frequency Crosstalk Coupling in DBX — Near-End Bare-Line Coupling Between Quads — Short-Pair-Twist Quad-ded Cables Spliced as a Single Group	309-100-004	1	All Networks — Trouble Handling (Customer Contact)
304-503-100	1	Typical Near-End Crosstalk Couplings (dbx) — Long Lengths — Exchange Facilities — Staggered Twist Construction — Voice Frequencies	309-100-005	1	All Networks — General Network Analysis
			309-2 SWITCHED SERVICES NETWORKS USING CENTRAL OFFICE SWITCHING MACHINES		
			309-200-000	3	Common Control Switching Arrangements (CCSA) — General Description

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309-200-001	5	Common Control Switching Arrangements (CCSA) — General Procedures and Responsibilities	309-290-500	1	Manual Conference Circuit for 4-Wire No. 5 Crossbar Offices with 5C or 5D Switchboard — Service Maintenance
309-200-004	3	Common Control Switching Arrangements (CCSA) — Trouble Reporting Procedures	309-291-100	1	Automatic Conference Circuit — For 4-Wire No. 5 Crossbar Offices — Description
309-200-005	3	Common Control Switching Arrangement (CCSA) — Network Analysis Procedures	309-291-500	1	Automatic Conference Circuit — For 4-Wire No. 5 Crossbar Offices Initial Order and Routine Tests
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309-200-010	3	CONUS AUTOVON — Network Traffic Management			
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309-200-301	2	AUTOVON — Service Maintenance			
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309-200-500	2	Transmission Testing Methods in 4-Wire No. 5 Crossbar Offices			
309-200-509	1	CCSA AMA Sampling			
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309-200-550	1	Balance Testing Methods in 2-Wire No. 5 Crossbar Offices			
309-203-100	1	Description of NORAD/ADC Network			
309-270-100	1	Sage — AUTOVON Access Line Test Position — Description			
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			309-3 ENHANCED PRIVATE SWITCHED COMMUNICATIONS SERVICE (EPSCS)		
			<input type="checkbox"/> 309-300-000	1	General Description <i>Information no longer required</i>
			<input type="checkbox"/> 309-300-001	1	General Procedures and Responsibilities <i>Information no longer required</i>
			♥ 309-300-002	2	Description and Operations — Customer Service Administrative Control Center
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			309-300-004	1	Trouble Reporting Procedures
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			309-300-300	1	Enhanced Private Switched Communications Service (EPSCS) — Service Maintenance
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-3		Two-Point Private Line Systems	310-430-501	1	Maintenance and Trouble Location Tests — Customer's Premises
-4		Multistation Private Line Systems	310-430-502	1	Typical Equipment Layouts — Right-of-way (ROW) Companies
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310-0 INDEXES AND EQUIPMENT TEST LISTS			310-435 SC2 Selective Control System		
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310-3 TWO-POINT PRIVATE LINE SYSTEMS			310-435-303	2	Signaling Circuit — Maintenance
310-300 Two-Point Private Line Telephone Circuits			310-440 Volume Limiter for Special Services		
	310-300-100	1 Voice Only — Description	310-440-100	1	Description
	310-300-300	1 Voice Only — Test Requirements and Objectives	310-440-200	1	Installation
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310-305 Channels for Federal Aviation Agency, Airlines and Other Agencies			310-5 SPECIAL PURPOSE MULTIPOINT PRIVATE LINE SYSTEMS		
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310-4 MULTISTATION PRIVATE LINE SYSTEMS			310-500-500	4	Tests and Adjustments
310-400 Special Multistation Systems			310-500-501	1	Recorder-Reproducer KS-16687, L1
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310-405 Multistation Systems			310-504-100	2	General Description
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310-410 Federal Aviation Agency			310-504-502	2	Circuit Maintenance
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	310-410-100	1 Description	310-505-100	1	Description — Anti-Aircraft Operations for Defended Areas
	310-410-101	1 Glossary of Terms	310-505-500	1	Tests and Adjustments — Anti-Aircraft Operations for Defended Areas
	310-410-300	1 Service Maintenance	310-525 Channels for Polling Television Receivers		
	310-410-500	1 Tests and Adjustments	310-525-100	1	Description
310-430 600/1500 Cycle Selective Signaling System			Add 310-525-500	1	
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310-525-501	1	Trouble and Over-All Transmission Tests on Four-Wire Channels

310-530 Group Alerting System

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310-540 Protective Relaying Channel

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DIVISION 311 — SWITCHED SPECIAL SERVICES SYSTEMS

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 - 1 General Information
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311-0 INDEXES AND EQUIPMENT TEST LIST

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311-100-101	1	Signaling Considerations — Circuits
311-100-102	1	Installation and Maintenance — Tests and Requirements — Switched Special Service Circuits
311-100-500	3	Circuit Order and Trunk Order Transmission Tests for Special Services — Having Access to the Direct Distance Dialing Network
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311-100-501	1	1000 Hz and Noise Measurements — PBX Central Office Trunks, Off-Premises Station Lines and Tie Trunks Having Access to the Direct Distance Dialing Network
311-100-551	3	Special Service Link Lineup — PBX to Central Office 2-Wire Link — Using E6 Repeaters
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311-100-552	2	Special Service Link Lineup — Central Office to Central Office — 2-Wire Link Using E6 Repeaters

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311-100-553	3	Special Service Link Lineup — Central Office to Station 2-Wire Link Using E6 Repeaters

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311-200-180	3	Description of Circuit Arrangements for Providing Foreign Exchange and Other Special Access Services
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311-240-501	3	Overall Lineup — Two-Wire Repeatered Nonloaded PBX-CO Trunk With Network at PBX
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311-240-502	3	Overall Lineup — 2-Wire Repeatered Nonloaded PBX-CO and Local Wats Trunks for PBXs not Requiring Terminal Balance
311-240-503	1	Special Service Overall Line-Up — Off Premises Station Lines With E6 Repeaters

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 - 1 Special Contract Circuits
 - 2 DC Telegraph Systems and Associated Equipment
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 - 5 Regenerative Telegraph Repeaters
 - 6 40-Type Carrier Telegraph Systems
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312-0 INDEXES, EQUIPMENT TEST LISTS, AND GENERAL INFORMATION

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312-006-100	1	Theory of Characteristic Distortion and Its Reduction by Equalization	312-210) Associated Equipment		
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312-4 ELECTRONIC TELEGRAPH REPEATERS

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312-405-300	3	96A1 Electronic Loop Repeater — Summary of Tests
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312-601-100	3	40C1 Terminal — Description
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312-601-500	5	40C1 Terminals — Use of 160A1 Carrier Telegraph Test Set
312-602-100	1	40C2 Terminal — Description
312-602-500	1	40C2 Terminal — Tests and Adjustments

312-610 Carrier Supply

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312-610-100	3	140A Carrier Supply — Description
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312-621)**

312-620-100	1	VF1S Portable No-Carrier Alarm Set — Used With 40-Type Telegraph Carrier Systems
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312-621-100	1	VF2S No-Carrier Alarm — Used With 40-Type Telegraph Carrier Systems

312-7 43-TYPE CARRIER TELEGRAPH SYSTEMS

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312-700-100	5	43A1 Voice-Frequency Carrier Telegraph (VFCT) System — (J70112-1) — Description and Operation
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312-700-200	1	43A1 Voice-Frequency Carrier Telegraph (VFCT) System — (J70112-1) — Installation and Connection
312-700-300	2	J70112-1 — Maintenance Procedures
312-700-500	1	J70112-1 — Test Procedures
312-708-100	1	Three Channel Portable Cabinet Type

312-709 Voice Frequency Carrier A1 Level Variation Detector

312-709-100	1	Description
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312-710 43B1 Data Carrier System

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312-710-200	1	Out-of-Service and Installation Tests
312-710-201	1	2- and 4-Wire Connections — Description and Installation
312-710-500	1	Trouble Locating Tests

312-720 General DataComm Multiplexer/Converter

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312-802 Data Set For 109B

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312-803-300	1	Maintenance	312-813-100	1	Automated Quotation System — Description, Testing, and Maintenance
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			332-005-150	1	J99343HA-1,11 DX1-DX2/4-4 Wire Terminal Repeater
			332-005-151	1	J99343HB DX1/4-4 Wire Term RPTR CFU MTC4320A

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332-005-153	1	J99343SF-1,11 Single Frequency Signaling Unit — 4-Wire Intermediate Repeater
332-005-154	1	J99343SG SF SIG/4-4 Wire RPTR CFU MTC4210A
332-005-155	1	J99343JB PLAR 2-Wire Combined Function Unit — MTT5100
332-005-158	1	J99343PB-1,13 2-2 Wire Terminal (NL) Repeater
332-005-161	1	J99343PD-1,13 2-2 Wire Intermediate (NL-NL) Repeater
332-005-165	1	J99343PG-1,12 2-2 Wire Terminal (Loaded) Repeater
332-005-167	1	J99343PH-1,12 2-2 Wire Intermediate Repeater (L-L)
332-005-169	1	J99343PJ-1,12 2-2 Wire Intermediate (L-NL) Repeater
332-005-172	1	J99343PL,11 Dual Terminal (L) Repeater MT22A10A
332-005-173	1	J99343PL,12 Dual Terminal (L) Repeater MT22A10A
332-005-177	1	J99343RA-1,14, 2-4 Wire Terminal Repeater
332-005-183	1	J99343RF-1,12, 2-4 Wire Terminal Repeater
332-005-186	1	J99343RJ 4-2 Wire Inter/Term (L-NL) RPTR MT42410A
332-005-187	1	J99343RK 2-4 Wire Inter (L-NL) RPTR MT24610A
332-005-193	1	J99343SC 4-4 Transmission/Intermediate Repeater MT44311
332-005-195	1	J99343SN-1,11 Voice Frequency Amplitude and Delay Equalizer
332-005-196	1	J99343SD 4-4 Wire T/1 Repeater Plus Sealing Current MT44321
332-005-200	1	ATP-3 Program Amplifier
332-005-201	1	ATP-4 600/900 Ohm DC Bypass Unit MTPM180A
332-005-202	1	ATP-5 Bypass Test Unit MTPM1C0A
332-005-203	1	ATP 11 Dual 2-Wire Maint Term Unit MTTMD00A
332-005-210	1	J99343GF 12, 2-2 Wire (L-L) Repeater/LSR (ISO) CFU MTC2122A — Data Sheet
332-005-211	1	J99343GH 2-2 Wire Intermediate Repeater (NL-NL)/ISO CFU—MTC2160
332-005-212	2	J99343GK 2-2 Wire Intermediate Repeater (L/NL)/LSR (IS/GS) CFU MTC2332 — Data Sheet
332-005-213	1	J99343GG,12 2-2 Wire T(L)—IL-NL/ISO CFU MTC2131A

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332-005-214	2	J99343GJ 2-2 Wire (L-L) Repeater/LSR (IS/GS) CFU MTC2122A — Data Sheet
332-005-215	1	J99343GL 2-2 Wire Intermediate Repeater (NL/NL)/LS/GS) CFU MTC2360
332-005-263	1	J99343PR Universal Adaptive Repeater MT22F33BAA
332-005-264	1	J99343GR 2-2 Wire Universal Adaptive Repeater/Loop Signaling — Extender Combined Function Unit MTC2280BAA
332-005-265	1	J99343GS 2-2 Wire Universal Adaptive Repeater/Loop Signaling — Repeater Combined Function Unit MTC2180BAA

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332-005-410	1	BPT1 20-Hz Ringing Generator (INCRG000AXX) — Data Sheet
332-005-411	1	BPT10 Dual 2-Wire Maintenance Termination Unit (NCTM100AXX) — Data Sheet
332-005-412	1	BPT20 2-Wire Loop-Start Only Signaling Repeater (INC22100AXX) — Data Sheet
332-005-413	2	BPT21 2-Wire Loop Signaling Repeater — Plus Maintenance (INC22101AXX) — Data Sheet
332-005-414	1	BPT22 2-2 Wire Automatic Terminal Repeater (INC22200AXX) — Data Sheet
332-005-420	1	BPT24 2/4-4 Wire Terminal Repeater DX1/DX2 (NC24110AXX) — Data Sheet
332-004-421	1	BPT25 2/4-4 Wire Terminal Repeater DX1/DX2 — Plus Maintenance (INC24111AXX) — Data Sheet
332-005-422	1	BPT40 4-4 Wire Terminal Repeater DX1/DX2 (INC44110AXX) — Data Sheet
332-005-423	1	BPT41 4-4 Wire Term Repeater DX1/DX2 With Maintenance (INC44111AXX) — Data Sheet
332-005-424	1	BPT42 4-4 Wire Terminal Repeater SF Signaling (INC44120AXX) — Data Sheet
332-005-425	1	BPT43 4-4 Wire Terminal Repeater SF Signaling — Plus Maintenance (INC44121AXX) — Data Sheet
332-005-430	1	BPT60 4-4 Wire Data Interface Unit (NCDI000AXX) — Data Sheet
332-005-431	2	BPT62 2/4-4 Wire Data Interface Unit (NCDI010AXX) — BPT62B Wire Data Interface Unit (NCDI050AXX) — Data Sheet
332-005-432	1	BPT63 4-4 Wire Passive Data Interface Unit (NCDI040AXX) — Data Sheet
332-005-433	1	BPT61 4-4 Wire Data Interface Unit (NCDI020AXX) — Data Sheet
332-005-435	1	BPT71 4-4 Wire Data Interface Unit (NCDI070AXX) — Data Sheet

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332-005-436	1	BPT72 2/4-4 Wire Data Interface Unit (NCDI060AXX) — Data Sheet	Add 332-100-500	3	
332-005-437	1	BPT73 4-4 Wire Passive Data Interface Unit (NCDI080AXX) — Data Sheet	332-100-500	2	22A1, D-87797 and 22A2 — Tests and Adjustments
General Information			Add 332-100-501	1	
332-010-010	3	Test Results on Voice Repeaters	332-100-501	2	Arranged for AC Operation — Tests and Adjustments
332-010-011	4	Forms for Recording Results of Singing Point and Office Cabling Balance Tests	44 Type Repeaters		
332-010-012	4	Circuit Order Tests Circuit Units	Add 332-101-100	3	
332-010-015	2	Telephone Repeaters — Jack Field Designations and Assignment Directory	332-101-100	1	44A1
Add 332-010-100	1		Add 332-101-101	1	
332-010-100	2	Voice Frequency Telephone Repeaters — General Instructions	332-101-101	1	Circuits and Apparatus Associated With the 44A1
332-010-101	2	Procedure for Investigating Gains of Telephone Repeaters	332-101-102	2	Regulating Network Lockup Circuit for Telephoto Services
Add 332-011-100	1		Add 332-101-300	1	
332-011-100	1	Repeater Attendant's Telephone Set	332-101-300	5	Operating Requirements and Limits
332-011-101	1	4-Wire Telephone Order Wire — Hybrid Coil Bridging	Add 332-101-500	1	
332-011-102	1	4-Wire Telephone Order Wire — Hybrid Coil Bridging — Equipment Arrangements	332-101-500	2	Tests and Adjustments
332-015-100	2	Simplified Theory of Singing Point Tests	V1 Type Repeaters		
332-015-300	3	Singing Point Tests	Add 332-102-100	1	
332-015-500	3	Singing Point Tests for Voice Frequency Trunks	332-102-100	2	V1 Telephone Repeater and Associated Equipment
332-016-010	3	Location of Irregularities on Loaded Cable Pairs Through Analysis of Impedance and Impedance Unbalance Curves	332-102-101	1	Repeater Switching Circuit
332-017-100	1	Voiceband Multipoint Split Bridge With Gain, Equalization and Test Access — Identification	332-102-300	6	Circuit Order and Periodic Tests
332-1 AMPLIFIER TYPE TELEPHONE REPEATERS			Add 332-102-500	2	
22 Type Repeaters			332-102-500	4	Tests and Adjustments
Add 332-100-100	3		V3 Type Repeaters		
332-100-100	1	22A1	332-103-100	2	Description
332-100-101	1	22A2 and D-87797	332-103-101	1	Bay Arrangements
Add 332-100-102	2		332-103-300	3	Circuit Order and Periodic Tests
332-100-102	1	Circuits and Apparatus Associated With 22A1, 22A2 and D-87797	332-103-500	4	Tests and Adjustments on V3 Amplifier
332-100-103	2	Modified for 4-Wire Operation	332-103-501	2	V1 and V3 Telephone Repeaters — Associated Equipment Tests and Adjustments
332-100-104	1	Arranged for AC Operation	332-103-502	2	Adjustment of Battery Supply Circuits
Add 332-100-300	2		V4 Type Repeaters		
332-100-300	3	22A1, 22A1 (HE), D-87797 and 22A2 — Operating Requirements and Limits	Add 332-104-100	1	
			332-104-100	1	V4 Telephone Repeater
			332-104-102	2	24V4B Telephone Repeater
			332-104-103	1	F58122 Amplifier
			332-104-104	1	F-60966 Amplifier, Energy Gated — Description
			332-104-500	1	Initial Line-Up
			332-104-501	2	227 Type Amplifiers — Tests and Adjustments

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332-104-503	1	F58122 Amplifier — Tests and Adjustments	332-116-115	1	359R Equalizer — Description
332-104-504	1	F-60966 Amplifier, Energy Gated — Installation and Test	332-116-201	3	Strapping Charts for 359A and 359D Equalizers or 4182C Networks
332-105-101	2	24V4A Repeater Mounting Shelf — Description	332-116-214	1	Strapping Charts for 359P Equalizer When Using 227A, B, C, D, E or F Amplifiers
332-105-102	1	24V4B Repeater Mounting Unit — Description	332-117-101	2	648A Filter — Description
Add 332-105-103	1		332-119-101	1	332A Relay — Description
332-105-103	2	24V4C Repeater Mounting Shelf — Description	332-119-102	1	333A Relay — Description
Add 332-105-104	1		332-119-103	1	333A Relay — Description
332-105-104	1	24V4D Repeater Mounting Shelf — Description	332-120-100	1	424V4B Repeater Mounting Shelf — Description
332-106-101	1	44V4A Repeater Mounting Shelf — Description	332-121-100	1	3-Way 4-Wire Bridging Repeater — Description
332-106-102	1	44V4B Repeater Mounting Shelf — Description	332-121-101	1	3-Way 4-Wire Bridging Repeater — Test Extender — Description
332-115-101	1	849A Network — Description	332-121-110	1	42511-1 Type Networks — Description
332-115-102	1	849B Network — Description	332-121-500	2	J99338CA 3-Way 4-Wire Bridging Repeaters — J99338F and M Bridging Repeaters — Tests and Adjustments
332-115-103	1	849C Network — Description	332-122-100	1	4-Wire Bridging Repeaters (J99338F and M) for Traffic Service Position System SD-7C022-01 — Description
332-115-104	1	849D Network — Description	332-130-100	1	306A Repeater Unit — Description
332-115-105	1	849E Network — Description	332-130-101	1	4229A Network — Description
332-115-106	1	849F Network — Description	332-131-100	1	Voice Operated Switched Gain Repeater — Description
332-115-107	1	849G Network — Description	332-131-500	1	Voice Operated Switched Gain Repeater — Test and Adjustment
332-115-108	1	849H Network — Description	332-140-100	1	215A Repeater — Description
332-115-109	1	849J Network — Description	332-140-200	1	215A Repeater — Installation and Maintenance
332-116-101	2	359A Equalizer — Description	332-2 NEGATIVE IMPEDANCE REPEATERS AND IMPEDANCE COMPENSATORS		
332-116-102	2	359B Equalizer — Description	E Type Repeaters		
332-116-103	1	359C Equalizer — Description	332-200-000	3	E1 Telephone Repeater — General Information
332-116-104	2	359D Equalizer — Description	332-200-100	1	General Information on Placing Repeaters In Service
332-116-105	1	359E Equalizer — Description	332-200-101	1	Taking Repeater Out of Service and Analyzing Trouble
332-116-106	2	359F Equalizer — Description	332-200-102	1	Taking an E1 or E3 Repeater Out of Service and Preparing for Trouble Analysis
332-116-107	1	359G Equalizer — Description	332-200-103	1	Taking E2 or E23 Repeater Out of Service and Preparing for Trouble Analysis
332-116-108	1	359H Equalizer — Description			
332-116-109	1	359J Equalizer — Description			
332-116-110	1	359K Equalizer — Description			
332-116-111	1	359L Equalizer — Description			
332-116-112	3	359M Equalizer — Description			
332-116-113	1	359N Equalizer — Description			
332-116-114	1	359P Equalizer — Description			

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332-200-104	1	General Procedures for Trouble Analysis for a Line Equipped With an E1, E2, E13, or E23 Repeater When Little Gain, No Gain or Poor Transmission is Indicated	332-205-100	2	Impedance Compensators — Description
332-200-105	1	General Procedures for Trouble Analysis for a Line Equipped With an E1, E2, E13 or E23 Repeater When Instability or Excessive Gain is Indicated	332-205-500	2	Impedance Compensators — Tests and Adjustments
Add 332-200-106	1		Add 332-206-100	1	E6 Repeater
332-200-106	1	Network Strapping by Use of Charts — E13 or E23 Bridged Repeaters	332-206-100	1	E6 Repeater
332-200-108	1	Application of Test Terminations Using Test Termination Circuit SD-96476-01 or Trunk Terminating and Patching Jacks at Master Test Frame	332-206-101	1	E6 Repeater Disabler (J99253I) — Description
332-200-300	1	Placing E1 or E13 Repeaters In Service Using E-Repeater Test Set	332-206-102	1	E6 Repeater Solid-State Disabler SD-97023-01 — Description
332-200-301	1	Placing E2 or E23 Repeaters In Service Using E-Repeater Test Set	332-206-120	1	Subscriber Loop — Remote Message Repeater — Description
332-200-302	1	Placing E1 or E13 Repeaters In Service Using 2G Repeater Test Set	332-206-121	1	830A Network — Description
332-200-303	1	Placing Repeaters In Service Without the Use of a Repeater Test Set	332-206-122	1	830B Network — Description
332-200-500	3	General Information on Tests and Inspections	332-206-123	1	830C Network — Description
332-200-501	3	Electron Tubes — Visual Checks, Measurements and Adjustment of Applied Voltages	332-206-124	2	830D Network — Description
332-200-502	2	Monitoring Tests	332-206-125	1	830E Network — Description
332-200-503	2	Effective Gain Measurement — Method A — Using E Repeater Test and Test Oscillator	332-206-126	1	830F Network — Description
332-200-504	2	Effective Gain Measurement — Method B — Using E Repeater Test Set and Noise Generator	332-206-127	4	830G Network — Description
332-200-505	2	Effective Gain Measurement — Method C — Using 2G Repeater Test Set and Test Oscillator	332-206-128	1	830H Network — Description
332-200-506	2	Effective Gain Measurement — Method D — Using 2G Repeater Test Set and Noise Generator	332-206-129	1	E6 Range Extender — Description
332-200-507	1	Effective Gain Measurement — Method E — Measurements of Gain Peaks and Valleys — Using E Repeater Test Set	332-206-130	1	E6B Range Extender — Description and Installation
332-200-508	1	Effective Gain Measurements — Method F — Measurements of Gain Peaks and Valleys — Using 2G Repeater Test Set	332-206-131	1	830J Network — Description
332-200-509	2	Circuit Net Loss Measurement — Method A — Using a Test Oscillator	332-206-151	1	837A Network — Description
332-200-511	3	Gain Tests for Repeater in a Standard 600 Ohm Circuit — Method A — Using the E Repeater Test Set	332-206-152	1	837B Network — Description
332-200-512	2	Gain Tests for Repeater in a Standard 600 Ohm Circuit — Method B — Using the 2G Repeater Test Set	332-206-153	1	837C Network — Description
			332-206-154	2	837D and J99380AA — Description
			332-206-155	2	837E and J99380AB — Description
			332-206-156	1	837F Network — Description
			332-206-157	4	837G and J99380AC — Description
			332-206-158	1	837J Network — Description
			Add 332-206-200	1	
			332-206-200	2	E6 Repeater — Alignment Procedure
			332-206-221	1	830A Network — Installation and Prescription Settings
			332-206-222	1	830B Network — Installation and Prescription Settings
			Add 332-206-223	1	
			332-206-223	1	830C Network — Installation and Initial Settings
			332-206-225	1	830E Network — Installation and Prescription Settings

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332-206-227	2	830G Network — Installation and Prescription Settings	332-211-100	1	Signaling Range Extender (SRE) — Description and Operation
332-206-228	1	830H Network — Installation and Prescription Settings	332-211-500	1	Signaling Range Extender (SRE) — Operational Tests
332-206-229	1	E6 Range Extender — Installation	332-3 CUSTOMER LOOPS — LONG ROUTE DESIGN		
332-206-231	1	830J Network — Installation and Prescription Settings	332-310-510	1	E6 Repeater Lineup — Subscriber Loops
332-206-251	1	837A Network — Installation and Prescription Settings	332-4 PILOT WIRE REGULATORS, ECHO SUPPRESSORS, TOLL CONFERENCE GROUPING CIRCUITS AND AUXILIARY EQUIPMENT		
332-206-252	1	837B Network — Installation and Prescription Settings	Pilot Wire Regulators		
332-206-253	1	837C Network — Installation and Prescription Settings	Add 332-400-100	1	
Add 332-206-254	1		332-400-100	2	4A Pilot Wire Transmission Regulating System
332-206-254	2	837D and J99380AA — Installation and Initial Settings	332-400-300	2	4A and 5A System — Initial Line-Up and Maintenance Procedures
332-206-255	2	837E and J99380AB — Installation and Prescription Settings	332-400-500	3	4A System — Tests and Adjustments
332-206-256	1	837F Network — Installation and Prescription Settings	Add 332-401-100	1	
332-206-257	3	837G and J99380AC — Installation and Prescription Settings	332-401-100	1	5A System — Description
332-206-258	1	837J Network — Installation and Prescription Settings	332-401-500	3	5A System — Tests and Adjustments
332-206-500	2	E6 Repeater — Routine Tests and Adjustments	332-402-100	1	Regulated Circuit Units — Gain Corrections
332-206-520	1	Subscriber Loop — Remote Message Repeater — Maintenance Tests	Echo Suppressors		
332-207-100	1	E7 Repeaters — Introduction	332-410-101	1	1A Suppressor — With Enabler and Disabler
332-207-101	1	E7 Repeater — Theory	332-410-102	3	1A Suppressor — Modification for Use on Telephotograph Circuits
332-207-121	1	E7 Repeater — Application to MTWX Circuits	332-410-103	1	1A Suppressor — With Enabler and Disabler — Equipped With 326-Type Mercury Relays — Description
332-207-301	1	E7 Repeaters — Line-Up	332-410-301	2	1A Suppressor — Test From Trunk Terminals
332-207-311	1	E7 Repeaters — Maintenance	Add 332-410-500	1	
332-208-100	1	Negative Impedance Converter — Description	332-410-500	5	1A Suppressor and Disabler — Tests and Adjustments
332-210-100	5	Range Extender With Gain — REG, Lists 1, 2, 3 and 5A REG, 5B REG — Description and Operation	Add 332-410-501	1	
332-210-101	2	Mini-Reg System and 7A Range Extender With Gain — Description and Operation	332-410-501	1	1A Echo Suppressor and Disabler Equipped With 326-Type Mercury Relays — Tests and Adjustments
Add 332-210-102	1		332-412-101	2	3A Echo Suppressor — Description
332-210-102	1	8A Range Extender — Coin Reg — Description, Operation, and Installation — (DLXR810MAA)	332-412-102	2	3B Echo Suppressor — Description
332-210-500	5	Range Extender With Gain — REG, Lists 1, 2, 3 and 5A REG, 5B REG — Initial Alignment and Tests	Add 332-412-500	1	
			332-412-500	2	3A Echo Suppressor — Lineup
			Add 332-412-502	1	
			332-412-502	2	3B Echo Suppressor — Lineup
			♥ 332-413-100	1	2A Echo Suppressor — Description
			♥ 332-413-300	1	2A Echo Suppressor — Circuit Order and Maintenance Test Intervals
			332-414-100	2	4A Echo Suppressor — Description
			332-414-101	1	4A Echo Canceler Logic Unit (J68914AE-1)

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332-414-200	1	4A Echo Suppressor — Installation Tests	332-435-100	1	
332-414-500	1	4A Echo Suppressor — Trouble Location	Add 332-435-500	1	Multipoint Conference Bridge — Tests and Adjustments — Toll Conference Service
332-414-501	1	4A Echo Canceler Logic Unit (J68914AE-1) — Tests	332-435-500	2	
332-415-100	1	4B International Echo Canceler — Description, Operation, Installation, and Maintenance	♥ 332-436-100	1	Specialized Network Conferencing Systems (SNCSI) — Description, Methods of Operation, and Test Procedures
1A Componder			♥ 332-436-101	1	Specialized Network Conferencing Systems (SNCSI) — Executive Intercompany Conferencing Arrangement (EICA) — Description, Method of Operation, and Test Procedures
Add 332-420-100	1		♥ 332-436-110	1	Specialized Network Conferencing Systems (SNCSI) — Pulsecom Model 1682-1 Time Division Conference Bridge — Description, Methods of Operation, and Test Procedures
332-420-100	1	Description	♥ 332-436-120	1	Specialized Network Conferencing (SNCSI) — Conference Control Switching Circuit (CCSCI) — Description, Method of Operation, and Test Procedures
332-420-300	1	Circuit Order and Periodic Tests	Auxiliary Equipment		
332-420-500	2	Testing Methods	332-450-100	3	Composite Sets and Associated Hybrid Transformers
332-421-100	3	N3 Componder Applique Circuit — General Description	332-450-500	1	Testing and Balancing Composite Sets and Associated Line or Hybrid Transformers
332-421-500	2	N3 Componder Applique Circuit — Tests and Adjustments	332-6 VOICE-FREQUENCY CONSOLIDATED EQUIPMENT ARRANGEMENTS		
Toll Conference Grouping Circuits — 6 Outlet Arrangement			Using E-Type SF Signaling Units		
332-430-100	3	Switching Pad Non-Gain and Cord Circuit Repeater Offices	332-600-101	1	Description and Application of J98617J-2 Bay
332-430-300	3	Periodic Tests and Trouble Investigations — Switching Pad Non-Gain and Cord Circuit Repeater Offices	332-600-102	1	Maintenance Provisions
Toll Conference Grouping Circuits — 6 Outlet Arrangement With Repeaters			Customer's Premises Facility Terminal for Type F Signaling System		
332-430-500	3	Tests and Adjustments — Switching Pad Non-Gain and Cord Circuit Repeater Offices	332-601-100	1	Description
332-431-100	2	Six Outlet V Repeatered Volcas Arrangement	332-601-200	1	Identification, Connections, and Installation
332-431-300	2	Periodic Tests and Adjustments — Six Outlet V Repeatered Volcas Arrangement	332-601-500	1	Maintenance and Lineup
332-431-500	3	Six Outlet V Repeatered Arrangement — Tests and Adjustments — Volcas for 22 Type Repeaters Used With Toll Conference Grouping Circuits	Customer Premises Facility Terminal for Metallic Facility Terminal Plug-In Equipment		
332-432-100	2	Volcas for 22 Type Repeaters Used With Toll Conference Grouping Circuits	Add 332-610-100	1	
332-432-300	2	Periodic Tests and Trouble Investigation	332-610-100	3	General Description
Toll Conference Grouping Circuits — 6 Outlet Arrangement Without Repeaters			332-610-101	1	J99400A Housing Assembly — Description — Package Metallic Facility Terminal Assemblies
332-432-500	2	Tests and Adjustments — Non-Repeaters Toll Conference Grouping Circuit	332-610-102	1	J99400C, D, and E — Description
332-433-100	1	Three Outlet Arrangement — Non-Repeaters	332-610-103	1	J99400K (Lists 1 and 2) Housing Assembly — Description — Packaged Metallic Facility Terminal Assembly
332-434-100	1	4233A Network — 4-Way, 4-Wire Bridge — Description	332-610-104	2	J99400R and J99400S Housing Assemblies — Description — Packaged Metallic Facility Terminal Assemblies

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332-610-105	1	J99400F Housing Assembly — Description — Packaged Metallic Facility Terminal Assemblies	Add 332-620-112	1	
332-610-200	3	Installation	332-620-112	1	BPT20 2-Wire Loop-Start Only Signaling Repeater and BPT21 2-Wire Loop-Start Only Signaling Repeater Plus Maintenance — Description and Installation
332-610-201	1	J99400A Housing Assembly — Installation and Maintenance — Packaged Metallic Facility Terminal Assemblies	332-620-113	1	BPT1 20-Hz Ringing Generator — Description and Installation
332-610-202	1	J99400C, D, and E Housing Assemblies — Installation and Maintenance — Packaged Metallic Facility Terminal Assemblies	332-620-114	1	BPT22 2-2 Wire Automatic Terminal Repeater — Description and Installation
332-610-203	1	J99400K Housing Assembly — Installation and Maintenance — Packaged Metallic Facility Terminal Assemblies	332-620-115	1	BPT24 2/4-4 Wire Terminal Repeater DX1/DX2 and BPT25 2/4-4 Wire Terminal Repeater DX1/DX2 Plus Maintenance — Description and Installation
332-610-204	1	J99400R and J99400S Housing Assemblies — Installation and Maintenance — Packaged Metallic Facility Terminal Assemblies	332-620-116	1	BPT42 4-4 Wire Terminal Repeater SF Signaling and BPT43 4-4 Wire Terminal Repeater SF Signaling Plus Maintenance — Description and Installation
332-610-205	1	J99400F Housing Assembly — Installation and Maintenance — Packed Metallic Facility Terminal Assemblies	332-620-120	1	43A Test Extender — Description
332-610-500	3	Maintenance and Testing Information	332-620-121	1	146W Single-Circuit Data Interface Mounting — Description and Installation
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332-620-001	2	Product Ordering Guide	332-620-131	2	BPT62 2/4-4 Wire Data Interface Unit — BPT62B 2/4-4 Wire Data Interface Unit — Description and Installation
332-620-100	2	General Description	332-620-132	1	BPT63 4-4 Wire Passive Data Interface Unit — Description and Installation
332-620-101	1	146A (1-Circuit) Mounting — Description and Installation	332-620-133	1	BPT61 4-4 Wire Data Interface Unit — Description and Installation
332-620-102	1	146C (3-Circuit) Mounting — Description and Installation	Add 332-620-134	1	
332-620-103	1	146F (6-Circuit) Mounting — Description and Installation	332-620-134	1	10A Unit, Data Interface — Description and Installation
332-620-104	1	146L (12-Circuit) Mounting — Description and Installation	332-620-135	1	BPT71 4-4 Wire Data Interface Unit — Description and Installation
332-620-105	1	146S (72-Circuit) Mounting Cabinet — Description and Installation	332-620-136	1	BPT72 2/4-4 Wire Data Interface Unit — Description and Installation
332-620-106	1	146B Single-Circuit Mounting — Description and Installation	332-620-137	1	BPT73 4-4 Wire Passive Data Interface Unit — Description and Installation
332-620-107	1	146R (48-Circuit) Mounting Cabinet — Description and Installation	332-7 4-WIRE EXTENSION		
332-620-108	1	146T (48-Circuit) Mounting Cabinet — Description and Installation	332-700-101	1	4182A Network — Description
332-620-109	1	146H 8-Circuit Data Unit Mounting — Description and Installation	332-700-102	1	4182B Network — Description
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332-620-110	1	BPT40 4-4 Wire Terminal Repeater DX1/DX2 and BPT41 4-4 Wire Terminal Repeater DX1/DX2 Plus Maintenance — Description and Installation	332-8 4-WIRE TERMINATING SETS AND PRECISION BALANCING NETWORKS		
332-620-111	1	BPT10 Dual 2-Wire Maintenance Termination Unit — Description and Installation	Terminating Sets		
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332-800-104	2	ID and IN — Description	332-910-210	1	ATP 11 — Dual Two-Wire Maintenance Termination Unit — Installation and Testing — Voice-Frequency Special Services
332-800-105	1	IG — Description	332-911-101	3	Loop Signaling Repeaters (J99343AA, AB, AC, AD, AE, AF, AH) — Description
332-800-106	1	IH — Description	332-911-102	5	Loop Signaling Extender (J99343CA, CB, CC, CD, CE) — SD-1C359-01 and SD-7C050-01 — Description
332-800-107	1	IJ — Description	332-911-103	1	DX1 and DX1/DX2 Signaling Units (J99343DA, DB) — SD-1C359-01 — Description
332-800-108	2	IP and IR Terminating Sets — Description	332-911-104	2	Ringdown Signaling Units (J99343EA, EB, EC) — SD-1C359-01 — Description
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332-851-101	2	115-Type Networks for Toll Message and Program Circuits	332-911-105	1	Loop-Start and Ground-Start to DX or E&M — Signaling Converters (J99343FA, FB, FC, FD) — SD-1C359-01 — Description
Add 332-851-102	3		332-911-106	1	Signaling Lead Access Unit (J99343MA) — SD-1C359-01 — Description
332-851-102	1	Line Balance Network Data	332-911-107	1	J99343AJ and J99343AK Loop Signaling Repeaters — Description
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332-851-103	1	Exchange Line Balancing Network Data	332-911-202	2	Loop Signaling Extender (J99343CA, CB, CC, and CD) — Installation and Testing
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332-852-100	1	4066 — Description	332-911-204	1	Metallic Facility Terminal — Ringdown Signaling Units (J99343EA, EB, EC) — SD-1C359-01 — Installation and Testing
332-852-101	3	4066A — Description	332-911-205	1	Metallic Facility Terminal — Loop-Start and Ground-Start to DX or E&M — Signaling Converters (J99343FA, FB, FC, and FD) — Installation and Testing
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332-852-103	1	4066C — Description	332-912-101	2	J99343BA, BB, and BC-2 Wire Transmission Units, ATP-4 600/900 Ohm DC Bypass Units, and ATP-5 Bypass Test Unit — Description
332-852-104	1	4066D — Description	332-912-102	1	2-4 Wire Transmission Units (J99343BE, BF) — SD-1C359-01 — Description
332-852-105	1	4066E — Description	332-912-104	2	4-4 Wire Transmission Unit (J99343BD) — SD-1C359-01 Description
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332-910-101	5	Shelf, Frame, Power Panel, and Distributing Frame Arrangements — Description			
332-910-102	2	Test Extender (J99343TB) — SD-1C485-02 — Description and Operation			
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332-912-114	2	J99343PB (Lists 1, 2, and 3) 2-2 Wire Terminal (Nonloaded) Repeaters — Description	332-912-158	2	J99343GG-L1 and L2, and GK 2-2 Wire Intermediate Repeater (L-NLI)/Loop Signaling Repeater Combined Function Units — Description
332-912-115	2	J99343PD (Lists 1, 2, and 3) 2-2 Wire Intermediate (Nonloaded-Nonloaded) Repeaters — Description	332-912-159	2	J99343JA and JB Private Line Automatic Ringdown/2-Wire Transmission Units — Description
332-912-116	2	J99343PC, PH (Lists 1 and 2) 2-2-Wire Intermediate Repeaters (Loaded-Loaded) — Description	Add 332-912-160	1	
332-912-117	2	J99343PE, PF, PJ, and PK 2-2 Wire Intermediate — (Loaded-Nonloaded and Nonloaded-Loaded) Repeaters — Description	332-912-160	1	J99343GH and GI 2-2 Wire Intermediate Repeater (NI-NLI)/Loop Signaling Repeaters Combined Function Units — Description
332-912-121	5	4-2 Wire Repeaters (J99343RB, RC, RG, RJ) — 2-4 Wire Intermediate Repeaters (J99343RD, RE, RH, RK) — Description	332-912-161	2	J99343HA DX1-DX2/4-4 Wire Terminal Repeater and J99343HB DX1/4-4 Wire Terminal Repeater — Description
332-912-134	2	J99343SA and SB — 4-4 Wire Terminal/Intermediate Repeaters — Description	332-912-163	1	J99343PR Universal Adaptive Repeater — Description
332-912-135	2	J99343RA and RF 2-4 Wire Terminal Repeaters — Description	332-912-164	1	J99343GR 2-2 Wire Universal Adaptive Repeater/Loop Signaling Extender — Combined Function Unit — Description
332-912-136	1	J99343SC and SD 4-4 Wire Intermediate/Terminal Repeaters — Description	332-912-165	1	J99343GS 2-2 Wire Universal Adaptive Repeater/Loop Signaling Repeater — Combined Function Unit — Description
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332-912-141	3	J99343PL (L1 and L2) 2-Wire Dual Terminal Loaded (L) Repeaters — Description	332-912-202	1	2-4 Wire Transmission Units (J99343BE, BF) SD-1C359-01 — Installation and Testing
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332-912-151	2	J99343SF and SG Single Frequency/4-4 Wire Repeater Combined Function Units— Description	332-912-205	1	J99343BG 4-4 Wire Passive Transmission Unit With Sealing Current — Installation and Testing
332-912-152	2	Loop-Start Only/2-Wire Transmission Unit (J99343GA Lists 1 and 2) SD-7C050-01 Description	332-912-206	1	Dual 2-Wire Impedance Compensation Networks — J99343BI, BM, and BN — Installation and Prescription Settings
332-912-153	2	J99343GB, L1 and L2, Loop Signaling Extender/2-2 Wire Terminal Repeater (L) Combined Function Unit — Description	Add 332-912-212	2	
332-912-154	2	J99343GC Loop Signaling Repeater — (Loop-Start Only)/2-2 Wire Intermediate Repeater (L-L) Combined Function Unit — Description	332-912-212	4	2-2 Repeaters [J99343PA, PB (L1, L2, & L3), PC, PD (L1, L2, & L3), PE, PF, PH, PG (L1 & L2), PK (L1 & L2), PR] and 2-2 Combined Function Units [J99343GD, GE, GR, and GS] — Prescription Settings
332-912-155	2	J99343GD Loop Signaling Repeater (Loop-Start Only)/2-2 Wire Intermediate Repeater (L-NLI) Combined Function Unit — Description	332-912-213	1	J99343PA and J99343PB (L1 and L2) 2-2 Wire Terminal Repeaters (L) — Installation and Testing
332-912-156	2	J99343GE Loop Signaling Extender/2-2 Wire Terminal Repeater (NLI) Combined Function Unit — Description	332-912-214	2	J99343PA (L1, L2 and L3) 2-2 Terminal Repeater — Installation and Testing
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332-912-157	2	J99343GF (L1 & L2) and GJ 2-2 Wire Intermediate Repeater (L-L)/Loop Signaling Repeaters Combined Function Units — Description	Add 332-912-221	1	
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332-912-232	3	4-4 Repeaters (J99343SA, SB) 2-4 Terminal Repeaters (J99343RA, RF) — 4-Wire Combined Function Units (J99343HA, SF) Prescription Setting Procedures	332-912-261	2	J99343HA DX1-DX2/4-4 Wire Terminal (PRE- and POST-EQL) Repeater — Installation and Testing
332-912-234	1	4-4 Wire Repeaters — Installation and Testing	332-912-262	1	J99343KA Metallic Facility Terminal Unit-Circuit Switched Digital Capability (MFT-CSDC) — Description, Installation, and Test Procedures
332-912-235	1	2-4 Terminal Repeaters (J99343RA, RF) — (SD-1C359-01) — Installation and Testing	332-912-263	1	J99343PR 2-2 Wire Universal Adaptive Repeater — Installation and Testing
332-912-236	1	J99343SC and SD 4-4 Wire Terminal/Intermediate Repeaters — Installation and Test	332-912-264	1	J99343GR 2-2 Wire Universal Adaptive Repeater/Loop Signaling Extender—Combined Function Unit — Installation and Testing
332-912-241	2	J99343PL (L1 and L2) 2-Wire Dual Terminal Loaded (L) Repeaters — Installation and Testing	332-912-265	1	J99343GS 2-2 Wire Universal Adaptive Repeater/Loop Signaling — Repeater Combined Function Unit — Installation and Testing
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332-912-251	2	J99343SF and J99343SG — Single Frequency Signaling/4-4-Wire Installation and Testing	DIVISION 333 — INTEROFFICE SIGNALING SYSTEMS AND TESTING		
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332-912-256	1	Loop Signaling Extender/2-2 Wire Terminal Repeater (J99343GE) — Combined Function Unit (CFU) — SD-7C050-1) — Installation and Test	333-001-011 1 ETL		
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♥ 333-200-021	2	Duties and Responsibilities for Operation of a CCIS System
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340-200-502	1	Video Loop Facility Trouble Location
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DIVISION 341 — PICTUREPHONE® TRANSMISSION — PERFORMANCE PLAN

- 341-0 Indexes
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354-1 FREQUENCY GENERATING SYSTEMS			Add 354-105-504	1	
354-100 Reference Frequency Standard			354-105-504	6	Primary Frequency Supply (PFS-2B) — Oscillator Tests and Adjustments
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354-100-101	1	X-76015 Bell System Reference Frequency Standard	354-105-506	7	246E Switch Tests — 4-, 64-, 128-, and 512-kHz Outputs
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354-100-502	1	NY4 Sync Signal Selector	354-105-510	2	J68909G 512-kHz Pilot Amplifier — (PFS-2B)
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354-109)			354-130-100	2	J68934A — Description
<i>Note: For information on the equipment which has retroactively been designated PFS-1, see Division 356-150 layer.</i>			354-140 Bell System Carrier Synchronization Network		
354-102 PFS-2A			♥ 354-140-101	1	Bell System Reference Frequency Standard — Description
354-102-100	2	Description	♥ 354-140-501	2	J68940A Bell System Reference Standard — Tests
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▲ ♣ 354-200-000	2	J68956A Office Master Frequency Supply Bay
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 1 Type K Carrier Telephone Systems Common Equipment Components — Testing Procedures

355-0 INDEXES, EQUIPMENT TEST LISTS, K1 AND K2 CARRIER TELEPHONE SYSTEMS — TERMINAL AND REPEATER EQUIPMENT COMPONENTS

355-000 Indexes

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355-065-101	1	Portable K2B Line Amplifier (82F)
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355-1 TYPE K CARRIER TELEPHONE SYSTEMS COMMON EQUIPMENT COMPONENTS — TESTING PROCEDURES

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355-100-300	9	K1 and K2 Carrier Telephone Systems — General Testing and Operating Information
355-100-305	3	Localizing System Operating Irregularities
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355-105 Noise, Crosstalk and Modulation			355-145-110	2	Modification of K Amplifiers — For K Carrier Crosstalk Balancing
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Add 355-105-505	1				
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355-115 Switching Arrangements					
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355-115-500	3	Types K1 and K2 Carrier Telephone Systems — Test, Switching, and Portable Amplifiers			
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356-287 Channel Carrier Distributing Circuit		
356-287-500	1	Carrier and Pilot Supply Tests
356-287-501	1	Distributing Bus Power
356-288 Group Carrier Supply		
356-288-501	1	12 Kc Amplifier Output

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356-288-502	1	Distribution Circuit Output	356-320) Receiving Circuits		
356-289 Supergroup Carrier Supply			356-330)		
			356-320 Supergroup Demodulator		
356-289-501	2	Carrier Drive Amplifier Output	356-320-501	2	In-Service Loss Adjustment
356-289-502	2	Distribution Circuit Output at Carrier Test Panel	356-320-502	1	Checking Receiving Supergroup Circuits for Turnover
356-289-503	1	Distribution Circuit Output at the Distribution Bus	356-320-503	4	Out-of-Service Loss Tests
356-290 64 KHz Pilot Supply			356-330 Group Demodulator		
356-290-501	2	Stabilizer Alarm Voltage and Output	356-330-501	3	In-Service Gain Tests
356-291 92 KHz Pilot Supply			356-330-502	1	Checking Receiving Group Circuits for Turnover
356-291-501	2	Stabilizer Alarm Voltage and Output	356-330-503	2	Circuit Gain Tests
356-292 104.08 KHz Pilot Supply			356-350 LMX-3 System		
356-292-501	3	Stabilizer and Output Alarm Voltage	▲ 356-350-000	3	Analog Multiplex Terminal Equipment — LMX-3 System
356-293 Terminal Circuits			356-350-100	3	J68941A and J68941N Combined Bay (U600) — Description
356-293-501	2	Trunk Loss Measurements	356-350-101	3	J68941E and J68941P Group Bank Bay — Description
356-293-502	2	Hybrid Tests	356-350-102	3	J68941F and J68941R Supergroup Bank Bay — Description
356-294) Measuring Circuits			356-350-103	2	J68941G Convertible Combined Bay (L600) — Description
356-295)			356-4 LWM WIDEBAND MODEM AND DIGITS ON RADIO		
356-294 Group Measuring Circuit			356-400) LWM Wideband Modem		
356-294-501	3	Calibration	356-449)		
356-294-502	4	L60A/L120A — Amplifier Gain and Meter Calibration	356-400-100	1	LWM-1 (10 to 51 KC)
356-295 Supergroup Pilot Measuring Circuit			356-400-500	1	40-KC Wideband Transmission System — Signal Level Tests and Alignment
356-295-501	3	Calibration	Add 356-401-100	2	
356-295-502	3	L60A/L120A — Supergroup Amplifier Gain and Meter Calibration	356-401-100	1	Toll Systems — LWM-5 (2 to 35 KC)
356-3 LMX-1/LMX-2, LMX-3			356-401-500	2	LWM-5 — Tests
356-300 General			356-402-100	2	LWM-6 — Description
356-300-500	1	Maintenance Considerations	Add 356-402-500	1	
356-305) Transmitting Circuits			356-402-500	3	1 Multiplex Terminals — LWM-6 — Tests
356-315)			356-405-100	1	190-KHz Wideband Transmission System — LWM-2 — Description
356-305 Supergroup Modulator			356-405-500	1	190-KHz Wideband Transmission System — LWM-2 — Signal-Level Tests and Alignment
356-305-501	1	In-Service Loss Adjustment	356-410-100	1	LWM-3 Wideband Modem and LWM-4 Wideband Modem (28 to 44 KC)
356-305-502	3	Supergroup Bank — Out-of-Service Loss Tests	356-410-500	1	16-KC Wideband Transmission System — Signal Level Tests and Alignment
356-315 Group Modulator			356-411-100	2	LWA-1 Alternate Use Panel — Description
356-315-501	1	In-Service Gain Adjustment			
356-315-502	1	Group Bank Gain Tests			

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356-411-500	1	Alternate Use Panel — Tests
356-450) Digital Transmission Terminals for Analog Facilities (356-499)		
356-454 1A Radio Digital System		
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356-454-020	2	Maintenance Methods
356-454-100	5	1A Radio Digital System — Overall Description
356-454-101	5	1A Radio Digital Terminal — Description
356-454-102	1	1A Radio Digital Terminal (1A-RDT) — Portable Transmitter and Receiver — Description
356-454-300	5	1A Radio Digital System — Operation
356-454-302	1	1A Radio Digital Terminal (1A-RDT) — Portable Transmitter and Receiver — Operation
356-454-500	4	1A Radio Digital System — General Test Information
356-454-501	4	1A Radio Digital Terminal (1A-RDT) — Transmitter Tests
356-454-502	3	1A Radio Digital Terminal (1A-RDT) — Receiver Tests
356-454-503	3	Switch Status and Control Panel (J68435E) and Remote Switch Status and Control Panel (J68435AD)—Test
356-454-504	2	J68435AC and J87378DC/DC Converters — Tests — 1A Radio Terminal (1A-RDT)
356-454-510	4	Initial Tests for Placing the 1A-RDS In-Service
356-454-511	4	In-Service Trouble-Locating Tests
356-454-512	3	Out-of-Service Trouble-Locating Tests
356-454-520	4	Routine Tests
356-454-530	1	1A-RDT Portable Terminal — Tests

356-455 Interim PICTUREPHONE® Service

♥ 356-455-100	1	Overall System
♥ 356-455-101	1	M2R Terminal Bay
♥ 356-455-102	1	Regenerator Bay

Tests

♥ 356-455-500	1	General Test Information
♥ 356-455-501	1	M2R Terminal
♥ 356-455-502	1	Digital Regenerator
♥ 356-455-510	1	Trouble Location Tests

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356-456 Data Over Voice (DOV-5) for L5/L5E Coaxial Cable		
• ♣ 356-456-920 AC	1	Digital Transmission System — Description
• ♣ 356-456-921 AC	1	Digital Transmission System —Initial Line Up, Testing, Operation, and Maintenance

356-460 Digital Mastergroup System (DMG-1)

▲ ♣ 356-460-000	1	Maintenance
356-460-100	1	Description

356-5 MMX-2 AND MGT

356-500) MMX-2 (356-549) 356-500 Overall System

Description — MMX-2C

356-500-100	5	General Description
356-500-101	5	Transmitting and Receiving Circuits
356-500-102	4	Transmission Switching and Alarm Circuits
356-500-103	3	Carrier Supply and Pilot Supply

Description — MMX-2R

356-500-110	5	MMX-2R33 and MMX-2R63 — General Description
356-500-111	6	MMX-2R33 and MMX-2R63 — Transmitting and Receiving Circuits
356-500-112	4	Transmission Switching and Alarm Circuits
356-500-113	2	Carrier Supply and Pilot Supply
356-500-115	3	MMX-2RA12 — Description

Operation

356-500-301	7	MMX-2 — Removing and Replacing Units
356-500-302	2	Removing and Replacing Units of MMX-2RA12 Terminal

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356-500-500	6	MMX-2C and MMX-2R — Maintenance Considerations
356-500-501	5	DC-DC Converter J87297A — Checks and Adjustments

356-510) Transmitting Circuits (356-519)

356-512 Modulator and Pilot Detector or Detector-Squelch

356-512-501	5	Checks and Adjustments
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356-520) Receiving Circuits (356-529)

356-522 Loopback Amplifier

356-522-501	3	Checks and Adjustments
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356-524 Demodulator, Mastergroup Equalizer, and Regulator		
356-524-501	6	Checks and Adjustments
356-540) Carrier Supply 356-544)		
356-542 Binary Generator J68882AL		
356-542-501	5	Checks and Adjustments
356-543 Carrier Generator and Distribution Circuit		
356-543-501	3	Checks and Adjustments
356-545) Pilot Supply 356-549)		
356-546 Mastergroup Pilot Generator J68882AR		
356-546-501	4	Checks and Adjustments
356-548 Pilot Distribution Circuit		
356-548-501	2	Checks and Adjustments
356-570 Mastergroup Translator (MGT)		
Description — MGT		
▲ ♠ 356-570-000	3	Mastergroup Translator System (MGT-A) Analog Multiplex Terminal Equipment
▲ ♠ 356-570-001	3	Mastergroup Translator System (MGT-B) Analog Multiplex Terminal Equipment
356-570-100	3	MGTA and Combiner Circuits
356-570-101	2	MGTB — Description
356-6 JMX		
356-600 JMX		
Description — JMX		
356-600-100	1	General
356-600-101	1	Transmitting & Receiving Circuits
356-600-102	1	Switch Control and Summary Alarm
356-600-103	1	Carrier Supply
356-620 MMSGT-C		
▲ ♠ 356-620-000	1	LSE Carrier System Multimastergroup Translator-Cable (MMSGT-C)
356-620-100	3	J68955() Multimastergroup Translator For Cable (MMSGT-C) —Description
356-625 MMSGT-R		
356-625-100	1	500B Protection Switching System and Two-Tone Generator — Description — AR6A Single-Sideband Radio System
▲ ♠ 356-625-500	1	Multimastergroup Translator (MMSGT-R), 500B Protection Switch Controller and Bell System Reference Transmission Unit

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DIVISION 357 — WIRE-LINE ENTRANCE LINKS — AND BROADBAND ENTRANCE LINKS AND INTERCONNECTION		
357-0 Indexes, Equipment Test List, Tube Type — TD-1 or TJ and LMX		
-1		Tube Type — TH and LMX
-2		Tube Type — TL and LMX; Transistor Type — TL-2 or TM-1 and LMX; Transistor Type — TD-2, TJ or TJ/TM-1 and LMX
-3		3A Wire-Line Entrance Link and Broadband Entrance Links and Interconnection
-6		200B Protection Switching System
-8		Broadband Connection Links
357-0 INDEXES, EQUIPMENT TEST LIST, TUBE TYPE — TD-1 OR TJ AND LMX		
357-000 Indexes		
● ♠ 357-000-000	88	Numerical Index — Division 357 — Wire-Line Entrance Links and Broadband Entrance Links and Interconnection
357-001 Equipment Test Lists		
357-001-011	8	ETL
357-005 Electron Tube Type A Wire-Line Entrance Link — TD2 and LMX		
357-005-100	3	Description
357-005-101	2	Transmitting Link
357-005-102	2	Receiving Link
357-005-103	2	Testing Methods
357-005-104	2	Equipment Arrangements
357-005-500	2	General
357-005-501	2	Initial Tests and Adjustments
357-005-502	7	Equalization and Gain-Frequency Lineup
357-005-503	3	Overall Lineup
Add 357-005-505	1	
357-005-505	2	64-kHz Pilot and Noise Indicator Adjustment
357-005-506	2	Pilot Measurements
Add 357-005-507	1	
357-005-507	1	Line Switching Circuit
357-005-509	3	Maintenance Tests and Maintenance Summary
357-005-510	2	Lineup
357-010 Electron Tube Type B Wire Line Entrance Link — TD2 and LMX		
357-010-100	2	Description
357-010-101	1	Transmitting Link

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357-010-103	1	Testing Methods	357-030-100	2	Description
357-010-104	1	Equipment Arrangements	357-030-500	2	General
357-010-500	1	General	357-030-501	2	Initial Tests and Adjustments
357-010-501	1	Initial Tests and Adjustments	357-030-502	2	Equalization and Gain-Frequency Line-Up Tests
357-010-502	2	Equalization and Gain-Frequency Line-Up Tests	357-030-503	2	Over-All Line-Up — Terminal-to-Terminal
357-010-503	2	Over-All Line-Up	357-030-504	2	Posted Pilot Measurements
357-010-504	1	High-Frequency Line — Noise and Spurious Tone Check	357-030-505	2	Pilot Measurements
357-010-505	2	64-kHz Pilot and Noise Indicator Adjustment	357-035 Branching Arrangements at TD2 Radio Junction Points		
357-010-506	1	Pilot Measurements	357-035-500	2	Adjustments and Gain-Frequency Line-Up Tests
357-010-507	1	Line Switching Circuit	357-1 TUBE TYPE — TH AND LMX		
357-010-509	2	Maintenance Tests and Maintenance Summary	357-100 Wire-Line Entrance Link		
357-015 Electron Tube Type C Wire Line Entrance Link — TD2 and LMX			Add 357-100-100	1	
357-015-500	1	Operating Methods Type C Facilities	357-100-100	2	Circuit Description
357-020 Electron Tube Type A Wire Line Entrance Link — TJ and LMX			357-100-500	2	Message Connecting Link — Interconnection of TH-1 Radio and L Facilities — Initial Lineup and Maintenance Tests
357-020-100	2	Description	Add 357-100-505	1	
357-020-500	1	General	357-100-505	1	Power Supplies
357-020-501	2	Initial Tests and Adjustments	357-100-510	4	Message Connecting Link for Interconnection of TH-1 Radio and L Facilities — Switching Circuits
Add 357-020-502	3		Add 357-100-515	1	
357-020-502	2	Equalization and Gain-Frequency Lineup Tests	357-100-515	1	Amplifiers and Regulators
357-020-503	2	Over-All Line-Up	Add 357-100-520	1	
357-020-504	1	Pilot Adjustments	357-100-520	1	Gain Equalization of Message Connecting Links
357-020-505	1	Pilot Measurements	Add 357-100-522	1	
357-025 Electron Tube Type B Wire Line Entrance Link — TJ and LMX			357-100-522	2	Bridging, Blocking, and Dropping Points — Tests and Adjustments
357-025-100	1	Description	Add 357-100-525	1	
357-025-500	1	General	357-100-525	2	Replacement of Trunks
357-025-501	2	Initial Tests and Adjustments	Add 357-100-530	1	
Add 357-025-502	1		357-100-530	1	Repair of Amplifiers and Regulators
357-025-502	1	Equalization and Gain-Frequency Line-Up Tests	357-2 TUBE TYPE — TL AND LMX; TRANSISTOR TYPE — TL-2 OR TM-1 AND LMX; TRANSISTOR TYPE — TD-2, TJ OR TJ/TM-1 AND LMX		
357-025-503	1	Over-All Line-Up	357-200 Electron Tube Type A Wire-Line Entrance Link — TL Radio and LMX		
357-025-504	1	Pilot Adjustments	357-200-100	3	Circuit Description
357-025-505	1	Pilot Measurements	357-200-500	1	Type A Basic Message Connecting Link for Connection of L-Type Multiplex to TL Radio — Initial Lineup and Maintenance Tests

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357-200-501	2	Equalization and Gain-Frequency Line-Up Tests	Tests		
357-200-503	3	Pilot Measurements and Maintenance Summary	357-300-501	4	Initial Checks and Adjustments
357-200-505	2	Amplifier Replacement	357-300-502	5	64-kHz and 512-kHz Pilot Tests and Adjustments
357-205 Transistor Type A Wire-Line Entrance Link — TL2/TM1 and LMX			357-300-503	1	197A Gauge — Calibration and Operating Procedures
357-205-100	3	Description	357-300-507	2	J68435K or J68435M Message-Data Combining Panel — Alignment and Switch Tests
357-205-500	1	Initial Lineup and Maintenance Test	357-301 Nonrepeated Links		
357-205-501	6	Equalization and Gain-Frequency Line-up Tests	357-301-501	8	Equalization and Gain-Frequency Tests — Multiplex-to-Radio With 200A and FMAS Switching Systems
357-205-503	3	Pilot Measurements	357-301-502	1	Equalization and Gain-Frequency Tests — MX-to-MX and 200B Protection Switching
357-205-505	1	Amplifier Replacement	357-301-503	1	Equalization and Gain-Frequency Tests — Used Unprotected With Short-Haul Radio
357-210 Transistor Type A Wire-Line Entrance Link — TD-2 and LMX			357-301-504	1	Equalization and Gain-Frequency Tests — Used Protected With Radio By 400B Switching
357-210-100	1	Description	357-301-505	4	Equalization and Gain-Frequency Lineup Tests — TD/TH DEDWLEL
357-210-500	1	Initial Lineup and Maintenance Tests	357-301-506	1	Equalization and Gain-Frequency Tests — For Short-Haul Radio and J68436B Protected Gain and Equalization Unit
Add 357-210-501	1		357-301-507	2	Equalization and Gain Frequency Tests — Multiplex-to-Radio With 300A or 401B Switching Systems — 3A Wire-Line Entrance Link
357-210-501	2	Equalization and Gain-Frequency Line-Up Tests	357-302 Repeated Links		
357-210-503	2	Pilot Measurements and Maintenance Summary	357-302-501	4	Equalization and Gain-Frequency Tests — Multiplex-to-Radio Repeated Link
357-215 Transistor Type A Wire-Line Entrance Link — TJ or TJ/TM-1 and LMX			357-302-502	1	Equalization and Gain-Frequency Tests — MX-to-MX and 200B Protection Switching
357-215-100	1	Description	357-302-511	1	Powering Remote Repeaters
357-215-500	1	Initial Lineup and Maintenance Tests	357-303 TH-1 Radio		
357-215-501	4	Equalization and Gain-Frequency Line-up Tests	357-303-100	2	Description
357-215-503	2	Pilot Measurements and Maintenance Summary	357-303-501	2	Initial Checks and Adjustments
357-215-505	1	Amplifier Replacement	357-303-503	2	3A Message-Connecting Link for Use With TH-1 Radio — Gain-Frequency Equalization, Lineup Tests, and 308 or 512-kHz Pilot Adjustment
357-220 Transistor Type B Wire-Line Entrance Link — TD-2 Radio and LMX			357-303-505	1	3A Message-Connecting Link for Use With TH-1 Radio — Bridging, Blocking, and Dropping Points — Gain-Frequency Adjustments
357-220-100	1	Description	357-303-506	2	3A Message-Connecting link for Use With TH-1 Radio — Replacement of Trunks
357-220-501	1	Initial Line-Up Tests, Equalization, Gain-Frequency Tests and Maintenance Tests			
357-220-503	1	Pilot Measurements			
357-3 3A WIRE-LINE ENTRANCE LINK AND BROADBAND ENTRANCE LINKS AND INTERCONNECTION					
357-300 3A Wire-Line Entrance Link					
357-300-100	3	Description			

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357-304 Mastergroup Branching		
357-304-100	1	J68421 — Description
357-304-500	2	J68421 — Initial Lineup and Maintenance
357-310) Broadband Entrance Links 357-319)		
357-311 Group Entrance Link Per SD-50968-01		
357-311-100	2	Description
357-311-501	1	Initial Tests and Adjustments
357-311-502	2	Trouble Location
357-311-503	1	Interface Criteria — Tests
357-312 Supergroup Entrance Link Per SD-50700-01		
357-312-100	1	Description
357-312-501	1	Initial Lineup
357-312-502	1	Trouble Location
357-313) 1A Radio Digital System Digroup Connector 357-314)		
357-313-100	1	Description
357-313-501	2	J68440A 1A RDS Digroup Connector — Alignment of Intermediate Digroup Connector
357-313-502	2	J68440A 1A RDS Terminal Digroup Connector — Receiving Access Trunk and J68435H Transmitting Access Panel — Access Trunk Alignment
357-313-503	2	J68440A 1A RDS Digroup Connector and J68435H Transmitting Access Panel — Routine In-Service and Out-of-Service Tests
357-313-504	2	Maintenance Patching and Spare Trunk Patching
357-314-501	2	Interface Trouble Isolation Tests and Measurements for 1A RDS Long-Haul Systems
357-6 200B PROTECTION SWITCHING SYSTEM		
357-610-100	1	Description — Overall System
357-610-101	1	Description — Automatic and Manual Control Circuits — Transmitting and Receiving Switching Systems
357-610-102	1	Description — Indications, Alarms, and Alarm Circuits
357-610-103	1	Description — Sensor Circuits
357-610-104	1	Description — Monitoring and Test Facilities
357-610-105	1	Description — Power Requirements and Distribution
357-610-300	1	Operation — Overall System

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357-610-500	1	Tests — Overall System
357-610-501	1	Tests — Transmitting — Automatic and Manual Control Circuits
357-610-502	1	Tests — Receiving — Automatic and Manual Control Circuits
357-610-503	3	Tests — J68382E-1 Baseband Amplifier Rectifier
357-610-504	1	Tests — J68398P Metering Circuit

357-8 BROADBAND CONNECTION LINKS

357-825 Surveillance Interface Panel

357-825-100	1	Groupband Data Links — Description
357-825-500	1	Groupband Data Links — Tests and Adjustments

357-826 Surveillance Control Panel

357-826-100	1	Description
357-826-500	1	Tests and Adjustments

DIVISION 358 — TYPE L1 CARRIER TELEPHONE SYSTEM AND ASSOCIATED EQUIPMENT COMPONENTS

358-0 Index, L1 Carrier — Terminals, Repeaters, Power Supplies, Overall System and B2 and C2 Television Terminals
- 1 B3 and C3 Television Terminals

358-0 INDEX, L1 CARRIER — TERMINALS, REPEATERS, POWER SUPPLIES, OVERALL SYSTEM AND B2 AND C2 TELEVISION TERMINALS

358-000 Indexes

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358-010 Terminals, Repeaters and Over-all System

358-010-100	2	General Description of Over-all High-Frequency Line
358-010-101	1	Repeaters
358-010-102	1	Amplifiers
358-010-103	1	Regulators
358-010-104	1	Equalizers
358-010-105	1	Pilot Indicators
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358-010-107	1	Line Switching Arrangements	358-025-501	1	Voltage and Current Measurements
358-010-108	1	Repeater Power Supply Arrangements	358-025-502	1	Measurement of 2064 KC Pilot
358-010-300	2	Terminals, Repeaters and Over-all System — General	Add 358-025-503	1	Adjustment of Automatic Regulators
			358-025-503	1	
358-010-301	2	Tests on Equipment Associated With the L1 System	358-025-504	1	Adjustment of Double Manual Gain Control Units or Manual Regulators
358-010-310	1	Alarms at Main Stations	Add 358-025-505	1	Amplifiers — 3096 KC Activity Test
			358-025-505	1	
358-010-311	1	Equipment Replacements	358-025-506	1	Automatic Regulators — Activity Test
358-010-312	1	Switching of Equipment	358-026 Auxiliary Repeaters — Equipment Replacements and Adjustments		
358-010-313	1	Removing Equipment From Service	358-026-501	1	Repeater Panel — Installation
358-010-314	2	Investigation of Operating Irregularities	358-026-502	1	Adjustment of Building-Out Capacitors
358-010-315	1	Operation of Unattended Offices Using B-1 Alarm and Control System	358-026-503	1	Repeater Panel — Removal
358-020) Power Supply at Main and Auxiliary Repeaters			358-026-504	2	Replacement of Automatic and Manual Regulators
358-022)			358-026-505	1	Replacement of Double Manual Gain Control Units
358-020 Power Supply at Main and Auxiliary Repeaters			358-026-506	2	Replacement of Amplifiers
358-020-500	2	General	358-026-507	1	Pilot Alarm Units — Replacement and Check of Operation
358-020-510	1	Looping at Auxiliary Repeaters	358-035 Main and Terminal Repeaters and Associated Equipment		
358-021 Repeater and Amplifier Power Supply			Add 358-035-500	4	Type L1 Repeater and Associated Equipment at Main and Terminal Repeaters
			358-035-500	4	
358-021-501	2	General	358-035-800	1	Replacing Relays in Line Switch Panel
358-021-502	1	Adjustment of Heater and Plate Voltages	358-050 Type L1 Carrier — Equalizing Auxiliary Repeater		
358-021-503	1	Adjustment of Voice Frequency Repeater Power Transfer Circuit	358-050-500	3	Equalizing Auxiliary Repeater
358-021-504	1	Adjustment of 4-Volt Equalizer Thermistor Heater Supply Circuit at Equalizing Auxiliary Repeaters	358-075) Type L1 Carrier — Line-Up Of Over-All System		
358-021-505	1	Replacement of H Capacitor at Auxiliary and Main Repeaters	358-080)		
358-022 Power Line-Up			358-075 Line-Up of Over-All System		
358-022-500	2	General	358-075-500	2	General
358-022-501	1	Preliminary Tests and Adjustments Using 13-Type Power Units	358-075-501	2	High-Frequency Line — Tests and Adjustments
358-022-502	1	Preliminary Tests and Adjustments Using Power Over Coaxials	358-076 Flow Charts Showing Sections Involved in Line-Ups		
358-022-503	1	Equipping Power Section With Live Loads and Adjustment of 2064 KC Pilot	358-076-501	1	L Unit Equipped With A Equalizers Only
358-022-504	1	Final Adjustment of Voltages	358-076-502	1	L Unit Equipped With A and B Equalizers
358-022-505	1	Adjustment of Power Loading	358-076-503	1	L Units in Tandem Equalized by Single B Equalizer
358-025) Auxiliary Repeaters			358-077 Line-Up of L Unit — Pilot Supply Not Available at Testing Office		
358-026)			358-077-501	1	Line Pilots Furnished From Remote Office Using Spare L Unit
358-025 Auxiliary Repeaters					
358-025-500	2	General			

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358-077-502	1	Line Pilots Furnished From Remote Office Using Released Television Facilities
358-078 Line-up of L Unit		
358-078-501	1	Check of A Equalizer Thermistor Oven and Battery Supply Circuit
358-078-502	1	Preliminary Adjustment of A Equalizer at Main Repeaters for Initial Line-Ups
358-078-503	1	Procedure at Equalizing Auxiliary Repeater
358-078-504	1	Procedure at Nonswitching Main Repeater
358-078-505	1	Measurement of Thermistor Heater Voltage
358-078-506	1	Typical Testing Connections for Multiline Manual Switching Arrangements
358-078-507	1	Adjustment of A1 (316A) Equalizer
358-078-508	1	Terminal or Switching Main Repeater — Procedure for L Unit Equipped with A Equalizers Only
358-078-509	1	Nick Equalization Adjustments — L Unit Equipped With A and B Equalizers — Terminal or Switching Main Repeater
358-078-510	1	Procedure for L Unit Equipped With A and B Equalizers — Terminal or Switching Main Repeater
358-078-511	1	Over-All Line-Up of L Units in Tandem Equalized by Single B Equalizer
358-078-512	1	Check of Calibration Settings of 2800 Fine Frequency Controls of A Equalizer
358-078-513	1	Loss Change Produced by Controls of A Equalizer
358-078-514	1	Loss Change Produced by Controls of B Equalizer
358-078-515	1	Basic Loss Characteristics of A Equalizer
358-078-516	1	Measurement of Received Line Pilots at WKG or SP LINE OUT Jacks — Terminal or Switching Main Repeater
358-078-517	1	Over-All Check of Pilot Alarm System
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358-078-518	1	Type L1 Carrier — Test and Adjustment of 219B Phase Build-Out Equalizer
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358-096-500	2	General	358-102-503	4	Gain Adjustment — Luminance and Chrominance Channels
358-096-501	1	8256-kc Band-Elimination Filter Test	358-102-504	1	Demodulator Carrier Balance — Luminance Channel
358-096-502	1	Demodulator Transmission — Frequency Characteristic	358-102-505	2	Frequency Characteristic — Luminance and Chrominance Channels
358-096-503	1	Detector-Amplifier Transmission — Detector Measurements	358-102-506	2	Automatic Switch Operation
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DIVISION 359 — L3, L4, L4S, L5, AND L5E CARRIER

- 359-0 Indexes, Equipment Test List, and L3 Carrier
- 1 Common Equipment
 - 2 L4 and L4S Carrier
 - 3 L5 and L5E Carrier

359-0 INDEXES, EQUIPMENT TEST LIST, AND L3 CARRIER

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359-010-120	5	Repeater Power Supply
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359-020-512	3	Power Loading Adjustment — L3 Power Section — PS1 Power System — Line Loading Not Computed
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359-205-500	2	General Maintenance and Test Information	359-220-502	3	Control Center Command Signals
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▲ ♠ 359-375-001	2	L5E Carrier System — Line Switching Section — Acceptance and Alignment
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DIVISION 360 — MAINTENANCE CENTER TESTS — EQUIPMENT COMPONENTS — TYPE L1 AND TYPE L3 CARRIER TELEPHONE SYSTEMS

360-0 Indexes, Equipment Test Lists, L1 Maintenance Center Test Equipment and Procedures
 -1 L3 Maintenance Center

360-0 INDEXES, EQUIPMENT TEST LISTS, L1 MAINTENANCE CENTER TEST EQUIPMENT AND PROCEDURES

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DIVISION 361 — SERVICE CENTER TESTS — TYPE N, O — AND ON CARRIER SYSTEMS

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-2 Group Equipment		
-3 Repeaters		
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361-111-500	3	J98705E Twin Channel Carrier Circuit (OI)	361-205-500	2	J98703H Low Group Transmitter (NI)
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361-120-500	3	J98703F Channel Unit (NI)	361-208-500	2	J98705F Group Transmitting Circuit (OI)
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361-121-500	3	J98703FA Message, J98703TA Program and J98703AH Thru Channel Units (NI)	361-210-500	2	J98703K Low Group Receiver (NI)
361-122-500	2	J98705D Message and J98705AF Thru Channel Units (OI)	361-211-500	2	J98703J High Group Receiver (NI)
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361-124-500	1	J98705AT Schedule C and D Program Channel Unit (OI)	361-213-500	2	J98705G Group Receiving (OI)
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361-140) Expander — Signaling Subassembly Tests 361-143)			361-230-500	1	J98706AA Receiving Amplifier and Demodulator Unit
361-140-500	2	General (NI, OI)	361-231-500	1	J98706AB Transmitting Amplifier and Modulator Unit
361-141-500	2	J98703TA Schedule C and D Channel Units (NI)	361-232-500	1	J98706AC Power Supply and Alarm Unit
361-142-500	1	J98705TA Schedule C and D Program Units (OI)	361-3 REPEATERS		
361-143-500	1	J98703AP and J98705AS Channel Units Without Signaling (NI, OI)	361-300) Repeater Tests 361-306)		
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			361-301-500	2	J98703LB and J98703MB Transistorized NIA Repeaters
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361-304-500	2	J98705AC Repeater Amplifier Circuit (OI)
361-305-500	2	J98705J and J98705W Repeater Oscillator and Miscellaneous Oscillator Circuits (OI)

361-4 FILTERS

361-400 Filter Tests

361-400-500	2	529A and B, 530A through H, 530J through 530L, 530P or 531B, 530R or 531C and 531F Filters
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361-501)**

361-500-500	2	J98703AC Deviation Regulator — J98703AD Control Unit Tests
361-501-500	2	J98703AC Deviation Regulator — J98703AE Amplifier Unit Tests

361-6 SWITCHING SETS

**361-600) Switching Set Tests
361-601)**

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361-601-500	2	J94002M Repeater Switching Set

DIVISION 362 — TYPE N, O, AND ON CARRIER TELEPHONE SYSTEMS — AND ASSOCIATED EQUIPMENT COMPONENTS

- 362-0 Index, Equipment Test List, and N1 System Terminal Equipment
- 1 Type O and ON Carrier Telephone Systems — Terminals and Junctions
 - 2 Type O Carrier Telephone System — Repeaters
 - 3 Type N1, O, and ON Carrier Telephone Systems — Overall Channel Lineup
 - 4 N and ON Repeaters — Repeatered High-Frequency Lines
 - 5 Type N and ON2 Carrier — Deviation Regulator and Adjustable Deviation Equalizer
 - 6 Type ON/K Carrier — Repeatered High-Frequency Line
 - 7 ON/Radio System — Radio Multiplex Points
 - 8 N2 Carrier Telephone System
 - 9 N3 and N4 Carrier Telephone System — Terminal Equipment

362-0 INDEX, EQUIPMENT TEST LIST, AND N1 SYSTEM TERMINAL EQUIPMENT

- ♦ 362-000-000 67 Numerical Index — Division 362 — Type N, O, and ON Carrier Telephone Systems and Associated Equipment Components

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362-001-014	6	O, ON, O-H, ON-H Carrier System — Analog Carrier
362-001-015	2	N4 Carrier — Analog Carrier

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362-045) Equipment
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362-010-100	5	Description — Overall System
362-010-150	1	Description — Order Wire and Alarm Facilities
362-010-300	1	Initial Line-Up and Maintenance Tests
Add 362-010-501	1	
362-010-501	1	Order-Wire and Alarm Facilities — Lineup and Maintenance

362-011 General Information — Terminal Equipment

362-011-105	4	Description — Channel Units, Terminals Mounting, and Shop-Wired Bays
362-011-110	4	Type N1, N1-H Carrier Telephone System — Description — Transmitting and Receiving Group Units
Add 362-011-300	1	
362-011-300	3	Initial Line-Up and Maintenance Tests
Add 362-011-500	1	
362-011-500	3	Maintenance Considerations

362-015 Preliminary Tests

362-015-501	2	Check of Local Cabling, Span Pads, Artificial Lines, Slope Networks and Noise Control Units
362-015-502	4	N1 and N1-H Repeatered Systems — Adjustment of Power Supply and Sealing Current to Adjacent Repeaters
362-015-515	4	Transistorized Repeatered Systems — Adjustment of Power Supply and Sealing Current to Adjacent Repeaters
Add 362-015-525	2	
362-015-525	2	Modification of Channel Units for Improved Transmission
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362-020-501	3	Heater Supply Voltage Adjustment
Add 362-020-502	1	
362-020-502	2	Electron Tube Cathode Activity Measurements
362-020-503	3	Check of Alarm Operation
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362-020-510	1	Initial Lineup and Maintenance Tests

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362-025-501	5	Channel Carrier Output, Carrier-Frequency, and Carrier Leak Tests	362-110-503	3	Terminal and Junction Tube Tests
362-025-502	5	Compressor Tests and Adjustments	Add 362-110-510	1	Summary Charts — Lineup, Maintenance, and Troubleshooting
362-030 Channel Unit Lineup — Receiving			362-110-510	1	
362-030-501	3	Measurement of Individual Channel Carrier at the R1 Jacks and Channel Regulator and Demodulator Output Tests and Adjustments	362-115 Channel Unit Lineup — Transmitting		
362-035 Group Unit Lineup — Transmitting			362-115-501	5	Compressor Output
362-035-501	3	3700-Hz Oscillator Output	362-115-502	5	Message Output — Signaling Output and Carrier Leak
362-035-502	5	Total Carrier Power Output	362-120 Twin Channel Unit Lineup — Transmitting		
362-035-503	2	Measurement of Slope, Bulge, Cubic, and Quartic Distortion	362-120-501	2	Transmitting Carrier Output and Frequency
362-040 Group Unit Lineup — Receiving			362-125 Twin Channel Unit Lineup — Receiving		
362-040-501	2	Total Carrier Power Output	362-125-501	3	Receiving Regulator Adjustment, Received Carrier Frequency Test, and ON2 Failure Alarm Circuit Adjustment
362-040-502	8	Group Receiving Units — Measurements of Slope, Bulge, Cubic, and Quartic Distortion	362-130 Group Unit Lineup — Transmitting		
362-045 Group Switching			362-130-501	6	Oscillator Unit — Group and 3700-Hz Oscillators
362-045-501	1	Switching Group Units With the 2N Switching Set	362-130-502	6	O and ON Group Transmitting Units—Terminal Alignment and Maintenance Tests
362-1 TYPE O AND ON CARRIER TELEPHONE SYSTEMS — TERMINALS AND JUNCTIONS			362-130-503	2	Adjustment of 76-KHz Level Oscillator Output
362-100 General Information — Overall System			362-135 Group Unit Lineup — Receiving		
362-100-100	4	Description — Type 01 Carrier Telephone System	362-135-501	4	Adjustment of Group Receiving Unit — Terminals
362-100-150	5	Description — Type ON1 and ON2 Carrier Telephone Systems	362-140 Group Unit Lineup — Transmitting and Receiving Junctions		
362-101 General Information — Terminals and Junctions			362-140-501	4	Adjustment of Transmitting and Receiving Carrier
362-101-300	3	Initial Lineup, Maintenance Tests, and Periodicity Table	362-145 Summary Charts — Lineup and Maintenance		
362-101-500	4	Maintenance Considerations	362-145-501	5	O Carrier Terminals — Group and Twin Channel Units
362-105 Preliminary Tests			362-145-502	5	ON Carrier Terminals — Group and Twin Channel Units
Add 362-105-501	1	Preparation and Placement of Terminal Units	362-145-503	4	ON1 Junctions — Groups Connected to OA, OB, OC, and OD Carrier
362-105-501	3		362-2 TYPE O CARRIER TELEPHONE SYSTEM — REPEATERS		
Add 362-105-502	1	Preparation and Placement of ON1 Junction	362-200 General Information		
362-105-502	2		362-200-300	1	Initial Line-Up and Maintenance Tests
362-105-503	4	Check of Alarm Operation	362-200-500	1	Maintenance Considerations
362-105-504	2	Modification Procedure for O-H and ON-H Operation	362-205 Preliminary Tests		
362-110 Tests and Adjustments — General			362-205-501	1	Preparation and Placement of Repeaters
362-110-501	2	Heater Supply Voltage Adjustment — Terminals			

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362-210 Tests and Adjustments — General			Add 362-320-516	1	
362-210-501	2	Heater Supply Voltage Adjustment and Electron Tube Tests	362-320-516	1	Schedules A and B (5 kHz) — N Carrier Program Terminal (J99333) — Initial Lineup and Maintenance
362-210-502	1	Power Transfer and Alarm Tests — Ventilating Fan Tests	362-330 Summary Charts — Lineup and Maintenance — N1 Carrier		
362-210-503	2	Summary Charts — Lineup, Maintenance, and Troubleshooting	362-330-501	4	Message Channel Unit (J98703F) and (J98703FA)
362-215 Carrier Lineup			362-330-502	5	Channel Unit Without Signaling (J98703AP)
362-215-501	1	OB, OC, and OD Repeaters	362-330-503	5	Thru Channel Unit (J98703AH)
362-215-502	1	OB, OC, and OD Repeaters — Oscillator Frequency Measurement	362-330-504	5	Special Services Channel Unit (J98703AM)
362-215-505	1	OA Repeater	362-330-505	5	Schedule C and D Program Channel Unit (J98703TA)
362-3 TYPE N1, O, AND ON CARRIER TELEPHONE SYSTEMS — OVER-ALL CHANNEL LINEUP			362-330-506	5	Schedule A and B Program Channel Unit (J98703W)
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362-305-501	5	Expander Output	362-335 Summary Charts — Lineup and Maintenance — O and ON Carrier		
362-305-510	7	Channel Noise Measurement	362-335-501	7	Message Channel Unit
362-305-512	5	Channel Net Gain and Expander Output Check	362-335-502	5	Channel Unit Without Signaling (J98705AS)
362-305-515	6	Signaling Receiver and Overall Pulsing Tests	362-335-503	5	Thru Channel Unit (J98705AF)
362-310 Thru Channel Unit			362-335-504	5	Special Services Channel Unit (J98705AP)
362-310-501	5	1000-Hz and 3700-Hz Output	362-335-505	3	Schedule C and D Program Channel (J98705AT)
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362-315-501	5	Transmitting Section	362-340-100	3	Type N2 Carrier System — Carrier Group Alarm Unit and Carrier Group Alarm Signal Receiver Unit — Description
362-315-502	5	Receiving Section	362-340-501	2	J99272AR Signal Receiver — Out-of-Service Tests Using Testing Circuit SD-96519-01
362-320 Program Channel Units			362-345-100	3	Type N2 Carrier System — Carrier Group Alarm and E-Signaling — Connecting Panel for Packaged N2 Terminals — Description
Add 362-320-110	1		362-345-101	1	Trunk Release and Make-Busy Circuit and E-Type Signaling Connectors (J99285AP) — Description
362-320-110	1	5-kHz Program Terminal — Description	362-4 N AND ON REPEATERS — REPEATERED HIGH-FREQUENCY LINES		
362-320-501	4	Schedule C and D Program Channels (J98705AT) — Channel Line-Up and Equalization	362-400) Type N1 and ON Carrier Repeaters — Repeatered 362-420) High-Frequency Line 362-400 General Information		
362-320-504	2	Over-all Channel Line Up — Type N Carrier — Schedule C and D Program Channel Unit Voice Frequency Tests and Adjustments	Add 362-400-100	1	
362-320-505	2	Schedule C and D Program Channel Unit (J98703TA) — Equalizer Adjustment and Overall Transmission Frequency Characteristics	362-400-100	4	Description — Type N1 and N1-H Repeaters
362-320-510	4	Schedule A and B Program Channel Unit (J98703W) — Carrier Output, Adjustment, and Carrier Leak Test			
362-320-511	1	Schedule A and B Program Channel Unit (J98703W) — Channel Net Loss Measurement and Transmission Frequency Tests			

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Add 362-400-120	1		Add 362-415-502	1	
362-400-120	3	Description — Type N1A Low-High Transistorized Repeater — J98703MB	362-415-502	9	N1, N1-H ON, and ON-H Repeaters — Measurement of Slope, Bulge, Cubic, and Quartic Distortion — Carrier Leak Test
362-400-121	3	Description — Type N1A High-Low Transistorized Repeater — J98703LB	362-415-503	1	Equalization of Individual Carriers at the Output of the Repeater
362-400-300	2	Initial Lineup and Maintenance Tests	362-415-504	1	Deviation Equalizer Loss
Add 362-400-510	1		362-415-505	2	Adjustable Deviation Equalizer Line-Up
362-400-510	6	Methods of Computing Slope, Bulge, Cubic, and Quartic Distortion	362-415-509	2	Adjustable Deviation Equalizer Line-Up Using N-Line Deviation Test Set
362-400-511	1	Equalizing Slope, Bulge, Cubic, and Quartic Deviations — General	362-415-511	2	Repeatered High-Frequency Line Sectionalizing Procedure for Investigating Frequency Drift
362-401 Noise Measurements			362-415-515	4	N1A Repeaters — Measurement of Slope, Bulge, Cubic, and Quartic Distortion — Carrier Leak Test
362-401-501	2	Message and Impulse — at Carrier Frequency	362-420 Repeater Switching and Looping		
362-405 Preliminary Tests			362-420-501	7	Method of Switching N1, N1-H, ON, and ON-H Repeaters and N2 Repeaters in N2/N1 Adapters With the J94002M Repeater Switching Set
362-405-501	5	Check of Local Cabling, Span Pads, Equalizers, and Noise Control Units	Add 362-420-502	1	
Add 362-405-502	1		362-420-502	3	Looping of Individual Repeatered Sections
362-405-502	4	Adjustment of Power Supply and Sealing Current — Check of Line Current and Fuse Alarm	362-420-515	3	Method of Switching N1A Repeaters and N2 Repeaters in N2/N1A Adapters With the J98703BD Repeater Switching Set
362-405-503	3	Electron Tube Repeater Supply Points — DC Line Voltage Measurements	362-425 Equivalent 4-Wire N Carrier		
362-405-510	1	Modification Procedure for List 1 of J98706 C, D, E, F, CA, DA, EA, FA, J, and K — ON Repeaters	362-425-100	1	Directional Filter and Phase Equalizer Circuit Description
362-405-511	3	Modification Procedure for N1-H and ON-H Operation	Add 362-425-501	2	
362-405-516	2	Transistorized Repeater Points — Check of Voltage Polarity, Current and Sealing Current Provisions	362-425-501	1	Directional Filter and Phase Equalizer — Installation and Maintenance
362-410 Repeater Tests			362-430 Type 240 Amplifier		
362-410-501	5	Electron Tube Repeaters — Heater and DC Regulator Measurements	362-430-100	2	240-Type Flat-Gain Amplifiers and Associated Networks — Description
362-410-502	3	Electron Tube Repeaters — Electron Tube Cathode Activity Measurements	362-430-501	3	Type 240 Amplifier — Installation and Maintenance
362-410-503	3	304-kHz Oscillator Frequency Measurements	362-440 Line Build-Out and Cross-Connecting Equipment		
362-410-511	4	N1-H and ON-H Maintenance and Troubleshooting Procedures	362-440-100	2	J99323 — Description
362-410-515	5	N1A Transistorized Repeaters — DC Power Tests	362-440-101	1	ED-97031, ED-97032, ED-97033 — Description
362-410-516	4	Transistorized Repeaters N1A — Transistor Emitter Current and Thermistor Heater Current Test	362-440-102	1	ED-3C223-30 and ED-3C224-30 — Description
362-415 Carrier Lineup — High-Frequency Line Measurements			362-440-501	2	Check of Shield and Sheath Continuity and Grounding
362-415-501	7	Total Carrier Power Output J98703 and J98706 Repeaters	362-440-502	1	Check of Fuse Alarms
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362-440-504	2	Repeater Power Supply Point — Adjustment of Power Supply and Sealing Current for Line Powering of N1, N1A, and N2 Repeaters With or Without 240-Type Amplifiers
362-440-505	1	ED-97031, ED-97032, ED-97033 — Check of Local Cabling, Span Pads, and Equalizers
362-450) Type N2 Carrier Repeaters — Repeatered High-Frequency Line		
362-475) Line		
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362-450-100	2	General Information
362-450-101	1	Low-High Transistorized Repeater — Description
362-450-102	1	High-Low Transistorized Repeater — Description
362-450-103	2	Regulated Power Supply — Constant-Current Regulator Circuit — Description
362-450-300	1	Initial Line-Up and Maintenance Tests — General Information
362-450-500	1	Maintenance Considerations
362-451-100	3	N2 Repeater-to-N1 and N1A Adapters — Description
362-451-502	2	N2 Repeater-to-N1 and -N1A Adapters — Initial Adjustments
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362-455-501	2	Repeater Power Supply Point — Adjustment of Line Powering Provisions — Check of Fuse Alarms
362-455-502	3	Preliminary Tests — Repeater Power Provisions — Check of Voltage Polarity
Add 362-460-501	1	
362-460-501	6	Repeater DC Voltage Measurements and 60-Hz Inductive Interference Tests
Add 362-465-501	1	
362-465-501	2	Carrier Lineup — High-Frequency Line Measurements — Total Repeater Output Carrier Power
362-465-503	2	Repeater Tests — 304-kHz Oscillator Frequency Measurements
Add 362-465-504	1	
362-465-504	5	Check of Span Pad and Measurement of Slope, Bulge, Cubic, and Quartic Distortion
Add 362-465-505	1	
362-465-505	1	Equalizing Slope, Bulge, Cubic, and Quartic Deviations — General
362-470-501	3	N2 Repeater Switching With J99321S N2 Repeater Switching Set
362-470-502	2	Looping of Individual Repeatered Sections

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362-5 TYPE N AND ON2 CARRIER — DEVIATION REGULATOR AND ADJUSTABLE DEVIATION EQUALIZER		
362-500 General Information		
362-500-500	3	Maintenance Considerations
362-501 Preliminary Tests		
362-501-501	1	Check of Local Cabling, Span Pads and Artificial Line Sections
362-501-502	1	Check of Plate Supply and Adjustment of Heater Voltages
362-501-503	1	Check of Fuse Alarm Operation
362-502 Out-of-Service Line-Up Procedures — Method A or B		
362-502-501	2	Check and Adjustment of Individual Carrier Gain
362-502-502	2	Check of Deviation Regulator Range
362-503 In-Service Line-Up Procedures		
362-503-501	1	Method A and Method B
362-504 Removing Units From Service		
362-504-501	1	Switching a Deviation Regulator
362-504-502	1	Bypassing a Deviation Regulator
362-504-503	1	Removing a Control Unit from Service
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362-505 Electron Tube Cathode Activity Tests		
362-505-501	2	Amplifier and Control Circuit Units
362-506 Maintenance Tests and Adjustments		
362-506-501	1	Measurement of Total Carrier Power Output
362-506-502	1	Check of Carrier Output Characteristics
362-506-503	1	Check of Network Regulating Circuit
362-506-504	2	Out-of-Service Tests
362-506-505	1	Check for Defective Shape Network
362-510 Adjustable Deviation Equalizer		
362-510-100	2	Description
362-510-501	2	Maintenance
362-6 TYPE ON/K CARRIER — REPEATERED HIGH-FREQUENCY LINE		
362-600 General Information		
362-600-100	1	General Description
362-600-500	2	Tests and Adjustments — Maintenance Considerations
362-600-501	2	Determination of Slope on Carrier Line

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362-605 Preliminary Tests			362-801 Terminal Equipment — General		
362-605-501	1	Preparation and Placement of Terminal, Repeater and Junction Equipment	362-801-100	6	J99272 Carrier Terminal Equipment — Nonpackaged Bays and Plug-In Units — General Description
362-610 Tests and Adjustments — General			362-801-101	2	Packaged N2 Terminal Frames (J99285) — Description
362-610-501	2	Heater Voltage Adjustment	Add 362-801-102	1	J99272(1) Carrier Terminal Equipment for Use With F-Type Signaling — Description
362-610-505	1	Tube Tests	362-801-102	1	J99272(1) Carrier Terminal Equipment for Use With F-Type Signaling — Description
362-615 Carrier Line-Up			362-801-300	3	Initial Lineup and Maintenance Tests
362-615-300	2	Type ON/K Carrier — Repeatered High-Frequency Line — Initial Lineup Tests	362-801-500	4	Maintenance Considerations
362-615-501	2	Terminals — Repeaters — Junctions	362-801-501	3	Test Summary Charts
362-615-505	1	Adjustable Deviation Equalizer	362-802 Power Supply Unit		
362-620 Amplifier Switching			362-802-100	3	Power Supply Unit J87216A and J87216C — Description
362-620-501	1	Method of Switching ON/K Amplifier	362-802-501	4	Power Supply Units J87216A and J87216C — Tests and Adjustments
362-7 ON/RADIO SYSTEM — RADIO MULTIPLEX POINTS			362-802-510	2	Power Supply Units J87216A and J87216C — Switching
362-700 Carrier Line-Up — 48 Channel Combining Units			362-803 Alarm Unit		
362-700-501	2	Preparatory Procedures — DC Resistance Measurements	362-803-100	4	J99272B(1) Alarm Unit — Description
362-700-505	2	Measurement of Individual Carrier and Total Power	362-803-110	3	Alarm and Restoral Unit for N2 Terminals — Description
362-705 Carrier Lineup — 96 Channel Combining Units			362-803-501	3	(J99272(1) — Electrical Tests and Adjustments
362-705-100	1	Multiplexing Circuits for Use With Radio Systems — Description	362-803-502	2	Check of Alarm Operation
362-705-501	3	DC Tests and Adjustments — Placement of Plug-in Units and Tube Tests	Add 362-803-510	3	N2 Carrier Telephone System — Packaged Terminal Equipment (J99285) — Check of Alarm Operation
362-705-505	2	Lineup Measurements	362-803-510	2	N2 Carrier Telephone System — Packaged Terminal Equipment (J99285) — Check of Alarm Operation
362-710-100	2	Combining and Multiplex Circuits for Use With TL Radio	362-803-511	2	J99272AW Alarm and Restoral Unit — Electrical Tests and Adjustments
362-8 N2 CARRIER TELEPHONE SYSTEM			362-804 Line Terminating Unit		
362-800 Overall System			362-804-100	4	J99272M, BM, and BW — Description
362-800-010	1	Analysis of N2 Carrier Trouble Reports — Form E-4962	362-804-501	4	J99272M, BM, BW — Check of Local Cabling, Span Pads, and Slope Equalizers
362-800-100	5	Description	362-804-502	4	(J99272M and J99272BM) — Adjustment of Repeater Power Supply With or Without 240-Type Amplifiers and Sealing Current Over Cable
362-800-300	1	Initial Line-Up and Maintenance Tests	362-804-503	4	(J99272M and J99272BM) — Check of Line Current
362-800-505	3	Message and Schedule C and D Program Channels — Channel Net Gain and Frequency Response	362-804-504	3	J99272BW — Adjustment of Repeater Power Supply
Add 362-800-506	1	Channel Noise Measurement and Maintenance Requirements	362-805 Group Transmitting and Receiving Units		
362-800-506	3	Channel Noise Measurement and Maintenance Requirements	362-805-100	2	Description
362-800-508	1	Data Transmission Parameter Requirements			
362-800-510	3	Voice-Frequency Amplifier J99272BD, J99272AA, and J99272BA — Through-Channel Connector and Pad Unit J99272CA — Transmitting and Receiving			

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362-805-501	3	Total Carrier Power Output — Transmitting
362-805-502	6	Group Transmitting Unit — Measurement of Slope, Bulge, Cubic, and Quartic Distortion
362-805-503	4	Total Carrier Power Input and Output — Receiving
362-805-504	6	Group Receiving Unit — Measurement of Slope, Bulge, Cubic, and Quartic Distortion
362-805-505	3	Transistor Emitter Current Test
Add 362-805-510	1	
362-805-510	3	Switching

362-806 Channel Modem Unit

Add 362-806-100	1	
362-806-100	5	Description
362-806-501	5	Message and Schedule C and D Program — Transmitting and Receiving Carrier Power Tests
362-806-502	3	Voice-Frequency Input and Output Tests

362-807 Compandor Unit

Add 362-807-100	1	
362-807-100	3	Description

362-808 VF Amplifier Unit

362-808-100	3	Description
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362-811 N2WM1 Wideband Modem

362-811-100	1	N2WM1 Wideband Modem — (10 to 51 KC) — Description
362-811-501	1	N2WM1 Wideband Modem — (10 to 51 KC) — Initial Line-Up Procedure
362-811-502	1	N2WM1 Wideband Modem — (10 to 51 KC) — Maintenance Tests
362-811-510	1	Transmitting and Receiving Wideband Modem Unit Switching

362-812 Wideband Terminals

Add 362-812-000	1	
362-812-000	1	X114A/X103 Wideband Terminal (0.1 to 40 KC) — Description, Alignment, and Tests
362-812-100	1	N2WT-1 Wideband Terminal Equipped with N2WM-1 or N2WM-2 Wideband Modem — Description
362-812-501	1	N2WT-1 Wideband Terminal — N2WM-1 Wideband Modem (10 to 51 kHz) — Initial Line-up Procedure
362-812-502	2	N2 Carrier Telephone System — N2WT-1 Wideband Terminal — N2WT-1 Wideband Modem (10 to 51 kHz) — Maintenance Tests
362-812-503	2	N2WT-1 Wideband Terminal — N2WM-2 Wideband Modem (0.1 to 37.5 kHz) — Initial Lineup Procedure

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Add 362-812-504	1	
362-812-504	2	N2WT-1 Wideband Terminal — N2WN-2 Wideband Modem (0.1 to 37.5 kHz) — Maintenance Tests

362-9 N3 AND N4 CARRIER TELEPHONE SYSTEM — TERMINAL EQUIPMENT

362-900) N3 Carrier Telephone System — Overall System (362-915)

362-900-100	4	Description
362-900-508	1	Data Transmission Parameter Requirements

362-901 Carrier-Frequency Supply

Add 362-901-100	2	
362-901-100	3	Description

362-902 Terminal Equipment — General

362-902-100	4	Description
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362-903 Power Supply Unit

362-903-100	1	Power Supply Unit — Description
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362-904 Line Terminating Unit

362-904-100	3	Line Terminating Units J99300AL and J99300AT — Description
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362-905 Group Transmitter and Receiver Units

362-905-100	1	Description
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362-906 Channel Group Modem Unit

362-906-100	1	Description
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362-907 Frequency Correction Unit

362-907-100	2	Description
362-907-101	4	(J99300AS) — Description

362-908 Alarm Unit

362-908-100	3	Alarm and Restoral Unit — J99300AK — Description
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362-909 Double-Channel Regulator Unit

362-909-100	5	J99300AC and J99300CA — Description
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362-910 Channel Modem Unit

362-910-100	2	J99300AB and J99300AY — Description
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362-911 Channel Compandor Unit

Add 362-911-100	1	
362-911-100	1	Description

362-912 VF Amplifier Unit

362-912-100	3	J99272CA Through-Channel Connector and Pad Unit — Description
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362-915 Secondary Carrier Distribution			362-940-101	1	Type N4 Carrier Telephone System — Double Channel Modem Unit — Description
362-915-100	1	Description	362-940-102	2	Alarm and Restoral Unit — Description — Type N4 Carrier Telephone System
362-915-101	1	Plug-In Secondary Carrier Distribution Circuit — Description	362-940-103	1	Channel Group Modem Unit — Description — Type N4 Carrier Telephone System
362-920) N3-L Junction 362-927) 362-920 Overall System			362-940-104	1	Type N4 Carrier Telephone System — Power Supply Unit (1024P) — Description
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362-921 Overall System (Cont)			362-940-106	1	Group Transmitting Units — Description
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362-922-101	1	J99331AB Type A L-N3	Add 362-971-000	1	
362-922-102	1	J99331BA/BB Type B N3-L/L-N3	▲ ♣ 362-971-000	2	N3 Carrier System — N3 Terminal
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362-923-100	2	Carrier-Enhancement Unit — J99331AC	▲ ♣ 362-972-000	2	N4 Carrier System
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363-104-506	1	Table 2 — High-Group Repeater Output Power	363-200-535	1	Subscriber Loop Multiplexer — Four-Party Fully Selective Ringing Adapter — Description, Installation, and Maintenance
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365-010-002	3	DS1C Systems — Document Indexes — Digital Transmission Systems	365-100-100	3	D1A, D1B, and D1C Channel Banks — General Description
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365-560-103	2	Fault-Locating Subsystem — General Description — FT3 Lightwave Digital Transmission System	365-600-501	2	Type M1-2, M1-2A, M1-2B — Placing Muldem in Service
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404-1 OVERALL SYSTEM

404-100 Base Station Lineup

404-100-500	3	General
404-100-501	4	Circuit Facilities Tests
404-100-502	7	Transmitter Frequency and Modulation
404-100-503	3	G-Type Control Terminal Levels
404-100-504	2	H-Type Control Terminal Levels
404-100-505	5	Receiver Output Level Using Test Transmitter
404-100-506	4	Receiver Output Level Using Frequency Converter
404-100-507	3	Receiver Output Level Using FM Signal Generator
404-100-508	3	G-Type Control Terminal Arranged for Full Duplex Operation
404-100-509	3	Talking Tests

404-2 BASE STATION TERMINAL EQUIPMENT

Control Terminals

404-201 G-2 Control Terminal

404-201-100	2	General Description
404-201-101	1	Monitoring and Remote Control Circuit
404-201-300	2	Operation
404-201-500	2	Maintenance

404-202 H-Type Control Terminal

404-202-000	2	Base Station Terminal Equipment — General
Add 404-202-100	1	
404-202-100	1	Description
404-202-500	1	Maintenance

404-203 B1 and B2 Vegads

404-203-000	4	General
404-203-100	5	Description
404-203-300	5	Placing In and Removing From Service
404-203-500	6	General Test Information
404-203-501	2	Tests

404-204 A1 and A2 Noise Reducers

404-204-100	2	Description
404-204-300	2	Placing In and Removing From Service
404-204-500	2	General Test Information

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404-204-501	1	Tests	Trouble Location		
404-205 J68311A Selective Signaling Oscillator			404-300-510	2	General Trouble Analysis
404-205-100	1	Description	404-300-511	2	Primary Power
404-205-500	1	Maintenance	404-300-512	2	Receivers
404-206 J68312C VF Amplifier			404-300-513	2	Mechanical Selectors
404-206-100	1	Description	404-300-514	2	Electronic Selectors
404-206-500	1	Maintenance	404-300-515	2	Transmitters
404-207 Motorola Start-Dial Indicator			404-300-516	2	Control Unit, Junction Box, and Wiring
404-207-100	1	Description	404-310) Control Units and Junction Boxes		
404-207-500	1	Maintenance	404-312)		
404-210) Trunk Terminating Circuits			404-310-100	2	General Description
404-211)			404-320) Selectors		
404-210-000	1	J68352 Trunk Terminating Circuit	404-323)		
404-211-000	4	J41634 Trunk Terminating Circuit	404-320-100	2	General Description
404-220) Remote Control Chassis			404-321 106A		
404-225)			404-321-100	1	Description
404-220 Motorola WE-8066-L			404-321-500	1	Maintenance
404-220-100	1	Description	404-321-801	1	Modification for Improved Signaling, Increased Pulse Codes, and Relay Changes
404-220-500	1	Maintenance	404-323 Scantlin S.E.I. — 1315		
404-225 General Electric 4KC4A2 Rev. RC286			404-323-000	2	General
404-225-000	1	Description and Maintenance	404-323-100	2	Description
404-230) Power Supply			404-323-200	2	Installation
404-231)			404-323-500	2	Maintenance
404-230 Motorola WE-8464			404-4 35 MC TRANSMITTERS AND RECEIVERS		
404-230-100	2	Description	Base Station Receivers		
404-230-500	2	Maintenance	404-422 Type 41B		
404-231 Motorola P-8531			404-422-100	2	Description
♣ 404-231-000	1	General	404-422-500	1	Maintenance
404-3 MOBILE STATIONS			404-422-801	1	Modification to Improve Codan Operation
Installation			404-422-802	1	Modification to Relocate Controls and Jacks
404-300-200	1	General	404-422-803	1	Modification to Provide Crystal Protection
404-300-201	1	Two-Way Service — Passenger Cars	404-422-804	1	Modification to Provide Output Screw Terminals
Tests			404-422-805	2	Modification to Codan Circuit Output
404-300-500	3	General	404-422-806	1	Modification to Improve Selectivity
404-300-501	2	Receivers and Selectors			
404-300-502	2	Transmitters			
404-300-503	2	Over-all Talking Tests			

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Base Station Transmitter-Receivers		
Mobile Station Transmitter-Receivers		
404-462 GE Progress Line		
404-462-000	1	Description, Operation, and Maintenance
404-462-150	1	Condensed Specifications
404-5 150 MC TRANSMITTERS AND RECEIVERS		
Base Station Transmitters		
404-501 Motorola WETU-250-BC and WETU-50-B1		
404-501-100	2	Description
404-501-500	2	Maintenance
404-501-801	1	Modification for Use With J41625 Remote Power Control Unit
404-501-802	1	Modifications to WE-8332 Exciter
404-502 Motorola PA-8491-B, PA-8492, WE-8497, and WE-8497-A		
404-502-000	1	General
404-502-100	1	Description
404-502-500	1	Maintenance
404-502-801	1	Modification to Convert WE-8497 Transmitter to WE-8797-A
404-504 GE PLM-7484519-G11 Transmitter and PL-7776064-G1 Multifrequency Panel		
404-504-000	1	General
404-504-100	1	Description
404-504-500	1	Maintenance
404-505 GE 4ET1E1 Rev. RC 286		
404-505-100	1	Description
404-505-500	1	Maintenance
404-506 GE 4ET21A12 RC705 4EP4A1 RC705		
404-506-100	1	Description
404-506-500	1	Maintenance
Base Station Receivers		
404-524 GE 4ER21A1 Rev. RC286		
404-524-100	1	Description
404-524-500	1	Maintenance
404-525 GE 4ER25B12 RC705		
404-525-100	1	Description

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404-525-500	1	Maintenance
Base Station Transmitter-Receivers		
404-541 Motorola J-41630A		
404-541-100	1	Description
404-541-500	1	Maintenance
404-542 GE J-41630B		
404-542-100	1	Description
404-542-500	1	Maintenance
404-543 GE J-41630C		
404-543-100	1	Description
404-543-500	1	Maintenance

DIVISION 405 — MJ, MK, AND ML MOBILE RADIOTELEPHONE

405-0	Index and Equipment Test Lists	
-1	MJ/MK Overall System	
-2	MJ/MK Base Station	
-3	MJ/MK Mobile Station	
-8	Private Mobile Radio Systems	
405-0 INDEX AND EQUIPMENT TEST LISTS		
• ♠	405-000-000	69 Numerical Index Division 405 — MJ, MK, and ML Mobile Radiotelephone
	405-001-011	5 MJ, MK, and ML — ETL
405-1 MJ/MK OVERALL SYSTEM		
	405-100-101	1 MJ System — General Description
	405-100-102	1 MK System — General Description
405-2 MJ/MK BASE STATION		
405-200 Lineup		
	405-200-501	2 MJ System
	405-200-502	2 Remote Signaling System
Add	405-200-503	1
	405-200-503	1 System Line-Up
	405-200-504	1 Mobile Simulator — System Performance Checks
405-210 Information Common to Large and Small System Control Terminals		
Tests		
	405-210-501	2 Tone Generator
	405-210-502	2 Tone Detector

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405-210-503	4	Receive Line Terminating Unit and Receiver Selector	405-221-506	3	Test Transmitter Alignment
405-210-504	2	Vogad Tests	405-225 Motorola KS-20285 Base Transmitters (MK)		
405-210-505	2	Vogad Alignment	405-225-100	1	Description
405-210-506	2	Sonad	405-225-200	1	Installation
405-210-507	3	Transmit Line Terminating Unit	405-225-501	2	Test Procedures
405-210-701	2	ITT Telecom Relay Test and Adjustment Procedures	405-225-502	2	Alignment
405-211 MJ and MK Large System Control Terminals			405-225-503	1	Trouble Location
405-211-100	1	Description	405-231 Motorola KS-19618 Base Receiver (MJ)		
Tests			✚ 405-231-100	2	General Description
405-211-509	2	Link Circuit and Link Allotter Circuit	Add 405-231-501	1	
405-211-510	3	Common Pulse Circuit	405-231-501	1	Tests
405-211-511	2	Duplicate Switching and Test Access Circuit	405-231-502	2	Alignment
405-211-512	3	Transmitter Control Circuit	405-235 KS-20285 Base Receiver (MK)		
405-211-513	2	Channel Selector	405-235-100	1	Description
405-211-514	2	Base Station Identifier Control Circuit	405-235-200	1	Installation
405-211-515	1	Test Transmitter Control Panel Tests (MJ)	405-235-501	1	Tests
405-211-516	2	Technical Operator Test Panel	405-235-502	1	Alignment
405-211-517	3	Test Panel — Common Control Circuit Tests and Service-Trouble Indications	405-235-503	1	Trouble Location
Mechanical Adjustments			405-241 Motorola KS-19618 Base Transmitter-Receiver (MJ)		
405-211-702	2	Crossbar Switch	✚ 405-241-100	2	General Description
405-212 MJ and MK Small System Control Terminals			405-241-501	3	Tests
405-212-100	1	General Description	405-241-502	3	Alignment
Tests			405-245 KS-20285 Base Transmitter-Receiver (MK)		
405-212-501	2	Link Circuit	405-245-100	1	Description
405-212-502	2	Base Station Identifier Control Circuit	405-245-200	1	Installation
405-212-503	2	Test Panel	405-245-501	2	Tests
405-212-504	1	Transmitter Control Circuit	405-245-502	2	Alignment
405-221 Motorola KS-19618 Base Transmitters (MJ)			405-255 Mobile Simulator		
✚ 405-221-100	2	General Description	405-255-100	1	Description and Installation
405-221-501	3	High-Power Transmitter Tests	405-256 KS-20286 Base Transmitter Combiner (MK)		
405-221-502	3	High-Power Transmitter Alignment	Add 405-256-100	1	
405-221-503	1	Low-Power Transmitter Tests	405-256-100	1	Description and Installation
405-221-504	2	Low-Power Transmitter Alignment	Add 405-256-501	1	
405-221-505	3	Test Transmitter Test	405-256-501	1	Test and Adjustments
			405-3 MJ/MK MOBILE STATION		
			405-311 Motorola KS-19609 Mobile Radio (MJ)		
			✚ 405-311-100	3	General Description

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405-311-101	1	Supervisory Unit Description
405-311-200	1	Installation
405-311-501	2	Transmitter-Receiver Tests
405-311-502	2	Transmitter-Receiver Alignment
405-311-505	1	Supervisory Unit Tests
405-312 General Electric KS-19852 Mobile Radio (MJ)		
♣ 405-312-100	1	General Description
♣ 405-312-101	1	Supervisory Unit Description
405-312-200	1	Installation
405-312-501	1	Receiver Tests
405-312-502	1	Receiver Alignment
405-312-503	1	Transmitter Tests
405-312-504	1	Transmitter Alignment
405-312-505	1	Supervisory Unit Tests
405-313 Motorola KS-21466 (MJ)		
♣ 405-313-100	1	Mobile Radio Transmitter-Receiver — General Description
405-315 Motorola KS-20282 (MK)		
405-315-100	1	Description
405-315-101	1	Supervisory Unit — Description
405-315-200	1	Installation
405-315-501	2	Transmitter-Receiver Tests
405-315-502	2	Transmitter-Receiver Alignment
405-315-505	1	Supervisory Unit — Tests
405-316 Motorola KS-21866		
♣ 405-316-100	1	Mobile Radio Transmitter-Receiver — General Description
405-331 KS-19626 and -7 Control Units (MJ)		
405-331-100	1	General Description
405-331-501	1	Tests and Alignment
405-335 KS-20283, L1 Control Unit		
405-335-100	2	Description
♥ 405-335-501	1	Tests

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405-8 PRIVATE MOBILE RADIO SYSTEMS		
405-810 ML Mobile Telephone (405-818) Overall System		
♥ 405-810-100	1	ML System General Description
♥ 405-810-101	1	Description
♥ 405-810-501	1	Remote Signaling Unit — Tests and Requirements
♥ 405-810-502	1	Lineup
405-812 Control Terminal		
♥ 405-812-100	1	Description
♥ 405-812-501	1	Initial and Routine Test
405-814 Base Station		
♥ 405-814-100	1	Description
♥ 405-814-101	1	250-Watt Transmitter — Description
♥ 405-814-102	1	Motorola KS-20713 L4-3 Receiver — Description
♥ 405-814-501	1	KS-20713 Transmitter — Routine Tests
♥ 405-814-502	1	KS-20713 Transmitter — Alignment
♥ 405-814-511	1	KS-20713 Receiver — Routine Tests
♥ 405-814-512	1	KS-20713 Receiver — Alignment
405-816 Mobile Equipment		
♥ 405-816-100	1	KS-20712 — Description
♥ 405-816-101	1	Motorola KS-20712 L2 Mobile Radio Supervisory Unit — Description
♥ 405-816-102	1	KS-20712 L3 Control Unit — Description
♥ 405-816-501	1	KS-20712 L1 Mobile Radio — Transmitter-Receiver Tests
♥ 405-816-502	1	KS-20712 L1 Mobile Radio — Transmitter-Receiver Alignment
♥ 405-816-503	1	KS-20712 L2 Mobile Radio — Supervisory Unit Test

DIVISION 406 — AIR-GROUND RADIO

- 406-0 Index and Equipment Test Lists
 - 1 Private Systems
 - 2 Public Systems

406-0 INDEX AND EQUIPMENT TEST LISTS

- ♣ 406-000-000 24 Numerical Index — Division 406 — Air-Ground Radio

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406-001-011	1	ETL			
406-1 PRIVATE SYSTEMS			Tests		
406-100 ERCO 361-TB Transmitter			406-116-500	2	Control Office
406-100-000	2	General	406-116-501	2	Base Transmitter GE-MASTR Progress Line
406-100-100	2	Description	406-116-502	2	Base Transmitter GE-MASTR Progress Line — Alignment
406-100-200	2	Installation	406-116-505	2	Base Receiver GE-MASTR Progress Line
406-100-500	2	Tests	406-116-506	2	Base Receiver GE-MASTR Progress Line — Alignment
406-101 ERCO 362-R Receiver			406-116-510	1	Station Power Supply
406-101-100	2	Description	Add 406-116-514	1	
406-101-500	2	Tests	406-116-514	2	Auxiliary Equipment and Antenna Systems
406-102 ERCO Type 2040 Carrier-On Monitor			406-116-800	4	Replacement and Repair Procedures
406-102-000	1	Description, Installation, and Maintenance	406-2 PUBLIC SYSTEMS		
406-110 Collins 242F-9C Transmitter			406-200 General Electric BO-42NA Base Station		
406-110-100	1	Description	406-200-100	1	Description
406-110-501	2	Initial Adjustments	Tests		
406-110-502	1	Tests	406-200-500	1	General Test Information
406-111 Motorola CM-620 Receiver			406-200-501	1	Circuit Facilities
406-111-100	1	Description	406-200-502	1	K1 Control Terminal Local Tests
406-111-501	1	Initial Adjustments	406-200-503	1	Recording Station Announcement Using KS-16765 Announcement Set
406-111-502	1	Tests	406-200-504	1	Transmitter Modulation Adjustment
406-112 Motorola CM-620A Receiver			406-200-505	1	Receiver Squelch Setting
406-112-100	1	Description	406-200-506	1	Base Station and K1 Control Terminal Line-Up
406-112-501	1	Initial Adjustments	406-200-507	1	Talking, Alarm, Control, and Squelch Circuit Tests
406-112-502	1	Tests	406-201 K1 Control Terminal		
406-113 Collins 51M-10 Receiver			Add 406-201-100	1	
406-113-100	1	Description	406-201-100	1	Description
406-113-300	1	Operation	406-201-500	2	Tests
406-113-501	1	Tests	406-202 J41642A Trunk Terminating Circuit		
406-113-502	1	Alignment	406-202-100	1	Description
406-116 Echo-Fox UHF Radio System			406-210 General System Requirements		
Description			406-210-500	1	System Lineup
406-116-100	2	Overall System	406-220 KS-21131 Control Terminal		
406-116-101	2	Base Station — General	406-220-100	1	General Description
406-116-102	2	Base Transmitter GE-MASTR Progress Line	406-220-500	1	Base Station — System Lineup
406-116-103	2	Base Receiver GE-MASTR Progress Line			

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DIVISION 407 — PERSONAL RADIO SERVICES

407-0 Indexes and Equipment Test Lists
 -1 35 Mc BELLBOY®
 -2 150 Mc BELLBOY®

407-0 INDEXES AND EQUIPMENT TEST LISTS

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407-1 35 MC BELLBOY®

407-100 Over-All System

Add	407-100-100	1	
	407-100-100	1	Description

Tests

407-100-501	1	Preliminary Tests
407-100-502	1	Control Circuits and Alarms
407-100-503	1	Landline Circuit Facilities
407-100-504	1	Frequency Measurements
407-100-505	1	Multi-Transmitter Systems Line-Up
407-100-506	1	Single Transmitter Systems Line-Up

407-101 Budelman B-250-VA4 Transmitter

407-101-100	1	Description
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407-103 Bogen TR-308 Receivers

407-103-000	1	General
407-103-100	1	Description
407-103-501	1	Models TR-308 and TR-308A
407-103-502	1	Model TR-308B
407-103-503	1	Decoder Wiring

407-104 Bogen TR-360 Receiver

407-104-100	1	Description
407-104-501	1	Tests
407-104-502	1	Alignment

407-105 Bogen (Stromberg-Carlson) Signaling Control Terminal

Add	407-105-100	1	
	407-105-100	1	Description

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407-105-500	1	General	
Add	407-105-501	1	
	407-105-501	1	Tone Generator Circuit
407-105-502	1	Register Circuits	
407-105-503	1	Signaling Control Circuit	
407-105-504	1	Transmitter Control Circuit Panel	
407-105-505	1	Transmitter Identifier Circuit	
407-105-506	1	Test and Supervisory Circuit	
407-105-507	1	222A Interlock Control Circuit	

407-2 150 MC BELLBOY®

407-200 Overall System

Description

407-200-100	1	General Description
407-200-101	2	Transmitter Controls and Alarms

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407-200-500	1	System Lineup
407-200-501	2	Preliminary Delay Equalization
407-200-502	2	Land-Line Circuit Facilities
407-200-503	4	Signaling Tones
407-200-504	2	Station Identification
407-200-508	2	Final Delay Equalization
407-200-509	1	Completed-Call and Trouble Announcements

407-201 Motorola KS-20429 Transmitter

407-201-100	1	Description
407-201-200	1	Installation
407-201-501	1	Routine Tests
407-201-502	1	Alignment
407-201-503	1	Trouble Location

407-204 Motorola KS-20432, L1 Receiver

407-204-100	1	Description
407-204-501	1	Routine Tests
407-204-502	1	Alignment
407-204-503	1	Trouble Location (with KS-20428 Battery Charger)

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407-207 J1 Control Terminal		
Tests		
407-207-100	1	J99281 — General Description
407-207-501	1	J1 Terminal Switching Circuits
407-207-502	1	J99281S Transmitter Control and Tone Supply Bay
407-210) Auxiliary Equipment		
407-219)		
407-210 J41643A Base Station Transmitter Trunk Terminating Circuit		
407-210-100	2	Description
407-210-501	1	Tests

DIVISION 408 — MOTOROLA, RCA, FEDERAL, REL, NARROWBAND AUXILIARY CHANNEL — AND OTHER NON-WESTERN ELECTRIC MICROWAVE RADIO — AND TV OFF-THE-AIR PICK-UP SERVICES

408-0 Indexes and Equipment Test Lists		
-1 Motorola Microwave Radio		
-2 RCA Microwave Radio		
-3 Federal and REL Microwave Radio		
-4 (Reserved for Operating Company use)		
-5 (Reserved for Operating Company use)		
-6 (Reserved for Operating Company use)		
-7 Narrowband Microwave Radio Auxiliary Channel		
-8 TV Off-the-Air Pick-Up Services		
408-0 INDEXES AND EQUIPMENT TEST LISTS		
• ♦	408-000-000	15 Numerical Index — Division 408 — Motorola, RCA, Federal, REL, Narrowband Auxiliary Channel and Other Non-Western Electric Microwave Radio and TV Off-the-Air Pick-up Services
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	408-001-011	1 Motorola, RCA, Federal, REL, Narrowband Auxiliary Channel and Other Non-Western Electric Microwave Radio and TV Off-the-Air Pick-up Services
408-1 MOTOROLA MICROWAVE RADIO		
408-100 Communications, Standby Type		
	408-100-000	1 General
	408-100-330	1 Periodic Test Intervals
	408-100-500	2 Tests
408-110 Frequency Diversity Type		
General		
	408-110-000	1 General
	408-110-330	1 Periodic Test Intervals

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Alignment Procedures		
408-110-500	1	General
408-110-501	1	Equipment Alignment
408-110-502	1	Preliminary Antenna Adjustments
408-110-503	1	MU-180-A Waveguide Diplexer Phase Shifter Adjustment
P-8719-D IF Strip Alignment		
408-110-510	1	General
408-110-511	1	Using Measurements Corp. Model 80 Signal Generator
408-110-512	1	Using Kay Electric Co. Radasweep
Measurements at 6000 Megacycles		
408-110-520	1	General
408-110-521	1	Transmitter
408-110-522	1	Video Gain Adjustment — Terminals
408-110-523	1	Receiver
408-110-524	1	Comparator Equalizer Pads — Terminals
408-110-525	1	Comparator Equalizer Pads — Repeaters
408-110-526	1	Comparator Equalizer Pads — Alternate Method
Signal Comparator Adjustment		
408-110-530	1	General
408-110-531	1	MU-161 Signal Comparator Alignment
408-110-532	1	Pilot Receiver
408-120 Type MR-10		
General		
408-120-000	1	General
408-120-330	1	Periodic Test Intervals
System Tests		
408-120-500	2	General
408-120-501	1	Mixer and Monitor Crystal Tests
408-120-502	1	Power Supply Tests
408-120-503	1	Preliminary RF Tests and Adjustments
408-120-504	1	Final RF Tests and Adjustments
408-120-505	1	Waveguide Diplexer Phase Shifter Adjustment
408-120-506	1	AFC Tests and Adjustments
408-120-507	1	IF Amplifier Noise Balance and Output

Section Number	Issue	Subject	Section Number	Issue	Subject
408-120-508	2	Signal Comparator Tests and Adjustments	408-130-522	1	Video Frequency Response
408-120-509	1	Pilot Channel Transmitter and Receiver Tests	408-130-523	1	Video Frequency Response Less Terminal Equipment
408-120-510	1	Sensing Panel Tests and Adjustments	408-130-524	1	Square Wave Response
408-120-511	1	Alarm Equipment Tests and Adjustments	408-130-525	2	Differential Phase and Gain
Measurements Using Hewlett-Packard 623B SHF Test Set			408-130-526	1	Noise and Hum
408-120-520	1	General	Unit Tests		
408-120-521	1	Test Flange Loss, Transmitter Power, and Frequency	408-130-531	1	MU-165 Test Oscillator and Balun Amplifier
408-120-522	1	Receiver	408-130-532	1	MU-231 Video Modulation Amplifier
408-120-523	1	Modulation Amplifier — Gain Adjustment	408-130-533	1	MK-214 RF Box and Control Panel (Transmitter)
Unit Tests			408-130-534	1	MK-215 RF Box and Control Panel (Receiver)
408-120-530	1	General	408-130-535	1	IF Performance
408-120-531	1	Modulation Amplifier	408-130-536	2	IF Alignment
408-120-532	1	IF Amplifier	408-130-537	1	MU-216 AFC Chassis
408-130 VX1NO4/05 Fixed Television			408-130-538	1	MU-230 Video Line Preamp
General			408-130-539	1	MU-169 Video Line Amplifier
408-130-100	1	Description	408-130-540	1	MU-219 Power Supply
408-130-330	1	Periodic Test Intervals	408-130-541	1	MU-206 Power Supply
408-130-500	2	General Test Information	408-130-542	1	MU-207 Power Supply
Transmitter Tests			408-130-543	1	MU-208 Power Supply
408-130-501	1	Voltages	Miscellaneous Information		
408-130-502	1	RF Tuning	408-130-551	2	Voltage and Resistance Tables
408-130-503	1	RF Power and Frequency	408-130-552	2	List of Test Equipment
408-130-504	1	Alarm Adjustment and Remote Control Operation	408-130-553	1	Patch Cords
Receiver Tests			408-130-554	1	Electron Tube Compliments
408-130-511	1	Voltages	408-130-555	1	Spare Parts List
408-130-512	1	RF Tuning	408-130-556	1	Adjusting Transmitter to New Frequency
408-130-513	1	Mixer Performance and Adjustment	408-130-557	1	Adjusting Receiver to New Frequency
408-130-514	1	AFC Check	408-140 VP1NO1/02 Portable Television		
408-130-515	1	Noise Level	General		
408-130-516	1	Bandpass	408-140-100	1	Description
408-130-517	1	Received Signal Level	408-140-200	1	Installation
408-130-518	1	Alarm Adjustment and Remote Control Operation	408-140-300	1	Operation
System Tests			408-140-330	1	Periodic Test Intervals
408-130-521	2	Transmitter Deviation and Channel Net Gain	408-140-500	1	General Test Information

Section Number	Issue	Subject	Section Number	Issue	Subject
Transmitter Tests			408-140-544	1	MU-203 Power Supply
408-140-501	1	Voltages	Miscellaneous Information		
408-140-502	1	RF Tuning	408-140-551	1	Electron Tube Compliments
408-140-503	1	RF Power and Frequency	408-140-552	1	Spare Parts List
408-140-504	1	Alarm Adjustment and Remote Control Operation	408-140-553	1	Adjusting Transmitter to New Frequency
Receiver Tests			408-140-554	1	Adjusting Receiver to New Frequency
408-140-511	1	Voltages	408-2 RCA MICROWAVE RADIO		
408-140-512	1	RF Tuning	408-200 Type TTR/TRR		
408-140-513	1	Mixer Performance and Adjustment	General		
408-140-514	1	AFC Check	408-200-100	2	Description
408-140-515	1	Noise Level	408-200-200	1	Installation
408-140-516	1	Bandpass	408-200-300	1	Operation
408-140-517	1	Received Signal Level	408-200-330	2	Periodic Test Intervals
408-140-518	1	Alarm Adjustment and Remote Control Operation	408-200-500	2	General Test Information
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408-140-521	1	Transmitter Deviation and Channel Net Gain	408-200-501	1	Assembly
408-140-522	1	Video Frequency Response	408-200-502	1	Tuning
408-140-523	1	Square Wave Response	408-200-503	1	Video Amplifier Gain and Response
408-140-524	1	Differential Phase and Gain	408-200-504	1	Frequency and Power Output
408-140-525	1	Noise and Hum	408-200-505	1	Fixed Wavemeter Frequency Measurement
Unit Tests			Receiver Tests		
408-140-531	1	MU-165 Test Oscillator and Balun Amplifier	408-200-511	1	Assembly
408-140-532	1	MU-231 Video Modulation Amplifier	408-200-512	1	Tuning
408-140-533	1	MU-204 Control Panel (Transmitter)	Receiver Tests		
408-140-534	1	MK-209 RF Box (Transmitter)	408-200-513	1	AFC Alignment
408-140-535	1	MU-205A Control Panel (Receiver)	408-200-514	1	IF Bandpass and Alignment
408-140-536	1	MK-210 RF Box (Receiver)	408-200-515	1	Video Discriminator Alignment
408-140-537	1	IF Performance	408-200-516	1	AFC Discriminator Alignment
408-140-538	1	IF Alignment	408-200-517	1	Video Amplifier Gain and Response
408-140-539	2	AFC Performance	System Tests		
408-140-540	1	MU-230 Video Line Preamplifier	408-200-521	1	Tuning
408-140-541	1	MU-169 Video Line Amplifier	408-200-522	1	Differential Phase and Gain
408-140-542	1	MU-201 Power Supply	408-200-523	1	Baseband Gain and Response
408-140-543	1	MU-202 Power Supply	408-200-524	1	Noise and Hum
			408-200-525	1	Square Wave Response

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Section Number	Issue	Subject
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408-200-531	1	Transmitter — Early Model 1B
408-200-532	1	Transmitter — Models 1B and 1C
408-200-533	1	Receiver — Models 1B, 1C, and 1D
408-200-534	1	Receiver — Power Supply

Mechanical Procedures

408-200-541	1	Transmitter or Receiver Removal From Weatherproof Housing
408-200-542	1	Removal of Covers from Control Unit Carrying Cases
408-200-543	1	Installing or Removing Transmitter Wavemeter
408-200-544	1	Replacing Klystron

Modifications

408-200-551	1	Low Frequency Conversion Kit
408-200-552	1	Intercommunication Circuit
408-200-553	1	Hum Bucking Circuit
408-200-554	1	Receiver Power Supplies
408-200-555	1	Transmitter Fixed Cavity Wavemeter

408-210 Type TVM-1A**General**

408-210-000	1	General
408-210-200	1	Installation
408-210-300	1	Operation
408-210-330	1	Periodic Test Intervals
408-210-500	1	General Test Information

Transmitter Tests

408-210-501	1	Tuning
408-210-502	1	Modulation-Deviation Reference Voltages
408-210-503	1	Monitor Unit
408-210-504	1	Video Modulator
408-210-505	1	AFC Unit
408-210-506	1	Differential Phase and Gain
408-210-507	1	Video and Square Wave Response
408-210-508	1	RF Power Output and Wavemeter Check
408-210-509	1	Power Supply

Section Number	Issue	Subject
Receiver Tests		
408-210-511	1	Tuning
408-210-512	1	IF Alignment
408-210-513	1	IF Preamplifier Alignment
408-210-514	1	IF Amplifier Alignment
408-210-515	1	Limiter-Discriminator Alignment
408-210-516	1	Video Amplifier
408-210-517	1	AFC Unit
408-210-518	1	Differential Phase and Gain
408-210-519	1	Video Response
408-210-520	1	Noise Level
408-210-521	1	Power Supply

System Tests

408-210-531	1	Tuning
408-210-532	1	Differential Phase and Gain
408-210-533	1	IF Gain and Video Response
408-210-534	1	Square Wave Response
408-210-535	1	Noise and Hum

408-3 FEDERAL AND REL MICROWAVE RADIO**408-300) Federal Microwave Radio****408-302)****408-300 Federal FLU-5106 Transmitter**

408-300-100	1	Description
408-300-330	1	Periodic Test Intervals
408-300-500	1	Maintenance

408-301 Federal FLU-5107 Receiver

408-301-100	1	Description
408-301-330	1	Periodic Test Intervals
408-301-500	1	Maintenance

408-302 Federal FTR-28C Multiplex Equipment

408-302-000	1	General
408-302-100	1	Description
408-302-330	1	Periodic Test Intervals
408-302-500	1	Maintenance

Section Number	Issue	Subject	Section Number	Issue	Subject
408-310) REL Microwave Radio			408-321-505	1	RML-4 Mt Laguna — Palmdale — MW-105 Receiving Terminal
408-314)					<i>Not given general distribution; cannot be ordered</i>
408-310 REL 756 Transmitter			408-321-506	1	RML Fallon — Transmitting Terminal
408-310-000	1	General			<i>Not given general distribution; cannot be ordered</i>
408-310-100	1	Description	408-321-507	1	RML Fremont — Receiving Terminal
408-310-330	1	Periodic Test Intervals			<i>Not given general distribution; cannot be ordered</i>
408-310-500	1	Maintenance			
408-311 REL 756J Transmitter			408-7 NARROWBAND MICROWAVE RADIO AUXILIARY CHANNEL		
408-311-000	1	General	408-702) Raytheon KS-20098 or Farinon KS-20311 Radio and KS-20099 Multiplex Equipment		
408-311-100	1	Description	408-705)		
408-311-330	1	Periodic Test Intervals	408-702 Overall System		
408-311-500	1	Maintenance	408-702-100	1	Description
408-312 REL 756 Receiver			408-702-102	1	Farinon KS-21046 Radio and KS-21047 Multiplex Equipment — Description
408-312-100	1	Description	408-702-502	1	Farinon KS-21046 Microwave Radio — Farinon KS-21047 Multiplex Equipment — Overall System Lineup
408-312-330	1	Periodic Test Intervals	408-703 Raytheon KS-20098 Radio Equipment		
408-312-500	1	Maintenance	♣ 408-703-000	2	Description, Operation, and Maintenance
408-313 REL 756J Receiver			408-704 Farinon KS-20311 Radio Equipment		
408-313-100	1	Description	Description, Operation, and Maintenance		
408-313-330	1	Periodic Test Intervals	♣ 408-704-001	1	4-GHz Space Diversity System
408-313-500	1	Maintenance	♣ 408-704-002	1	2-GHz/4-GHz Crossband Diversity System
408-314 VF Service Channel For REL 756J Equipment			♣ 408-704-003	1	2-GHz Monitored Hot Standby System
408-314-100	1	Description	♣ 408-704-004	1	4-GHz Monitored Hot Standby System
408-314-330	1	Periodic Test Intervals	408-705 Farinon KS-20099 Multiplex Equipment		
408-314-500	1	Maintenance	♣ 408-705-000	1	Description, Operation, and Maintenance
408-320 Army Air Defense Command (ARADCOM) Microwave System			408-706 Farinon KS-21046 Multiplex Equipment		
♣ 408-320-000	1	Collins MS-508C Microwave and MX-106 Multiplex Systems	♣ 408-706-001	1	2-GHz System — Description, Operation, and Maintenance
408-321 FAA Radar Remoting Systems (RML or RML-4)			♣ 408-706-002	1	4-GHz System — Description, Operation, and Maintenance
408-321-501	1	RML-4 Cape Charles — Leesburg — MW-103 Transmitting Terminal	408-707 Farinon KS-21047 Multiplex Equipment		
		<i>Not given general distribution; cannot be ordered</i>	♣ 408-707-000	1	Description, Operation, and Maintenance
408-321-502	1	RML-4 Cape Charles — Leesburg — MW-103 Intermediate Station	408-8 TV OFF-THE-AIR PICK-UP SERVICES		
		<i>Not given general distribution; cannot be ordered</i>	408-800 CONrac AV12 Audio-Video Receivers		
408-321-503	1	RML-4 Cape Charles — Leesburg — MW-103 Receiving Terminal	408-800-000	1	General
		<i>Not given general distribution; cannot be ordered</i>	408-800-300	1	Operation
408-321-504	1	RML-4 Mt Laguna — Palmdale — MW-105 Transmitting Terminal	Tests		
		<i>Not given general distribution; cannot be ordered</i>	408-800-330	1	Periodic Test Intervals

Section Number	Issue	Subject
408-800-500	1	General
408-800-501	2	Test Equipment, Tools, and Patch Cords
408-800-502	1	Calibrating Simpson Signal Generator
408-800-503	1	Mega-Pix Calibration
408-800-504	1	Voltage Checks
408-800-505	1	Quality Checks Using Broadcaster's Signal
408-800-506	1	Video Response
408-800-507	1	Audio Response
408-800-508	1	signal-To-Noise Ratio
408-800-509	1	Differential Phase and Gain
408-800-510	1	Composite Signal Test
408-800-511	1	Single Frequency Noise
408-800-512	1	IF Amplifier Alignment
408-800-513	1	RF Tuning and Over-all Alignment
408-800-514	1	Crystal Control Unit
408-800-515	1	Sound Channel Alignment

DIVISION 409 — TE, TJ, TL, AND TM MICROWAVE RADIO

- 409-0 Indexes and Equipment Test Lists
 - 1 TE Microwave Radio
 - 2 TJ or TJ/TM-1 Microwave Radio
 - 3 TL-1 Microwave Radio
 - 4 TL-2 and TM-1 Microwave Radio
 - 5 TM-2/TM-2A Microwave Radio
 - 6 Ancillary Equipment
 - 7 Overall System

409-0 INDEXES AND EQUIPMENT TEST LISTS

- ◆ 409-000-000 33 Numerical Index — Division 409 — TE, TJ, TL, and TM Microwave Radio
- 409-001-011 10 ETL — TE, TJ, TL, and TM Microwave Radio
- 409-001-012 1 TL-1 Radio
- 409-001-013 1 TL-2/TM-1 Radio
- 409-001-014 1 TM-2/TM-2A Radio
- 409-001-015 1 Short Haul Radio

409-1 TE MICROWAVE RADIO

409-100 Overall System

- 409-100-100 3 Description
- 409-100-500 3 Tests

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409-110 TE-T1 Transmitter		
409-110-100	4	Description
409-110-500	4	Tests
409-110-501	1	Modification for Remote and Local Control and Use of Improved Klystron
409-110-502	1	Modification for NTSC Color
409-120 TE-R1 Receiver		
409-120-100	4	Description
409-120-500	4	Tests
409-120-501	2	Modification for Improved Operation and Maintenance
409-120-502	1	Modification for NTSC Color
409-130 TE-T2 Transmitter		
409-130-100	2	Description
409-130-500	2	Tests
409-130-501	1	Modification for NTSC Color
409-140 TE-R2 Receiver		
409-140-100	2	Description
409-140-500	2	Tests
409-140-501	1	Modification for Improved Operation and Maintenance
409-140-502	1	Modification for NTSC Color
409-150 TE-A1 Amplifier		
409-150-100	1	Description
409-150-500	1	Tests

409-2 TJ OR TJ/TM-1 MICROWAVE RADIO

409-200 TJ Microwave Radio

Description

- 409-200-100 3 General
- 409-200-101 4 Overall System
- 409-200-102 3 Transmitter-Receiver Bay
- 409-200-103 2 Power Supply
- 409-200-104 4 Transmitter
- 409-200-105 4 Receiver
- 409-200-106 2 D1 Auxiliary Bay
- 409-200-107 1 D2 Auxiliary Bay

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Add 409-200-500	1		409-240-500	4	General
409-200-500	5	General Test Information	409-240-501	3	Initial Line-up Test Sequence
409-200-501	2	Tools	Add 409-240-502	1	
409-200-502	5	TR Bay — Power Supply Tests and Voltage Checks	409-240-502	2	Received Signal Level
409-200-503	3	Auxiliary Bay — Power Supply Tests and Voltage Checks	409-240-503	3	Transmitter Deviation
409-200-504	2	Waveguide Components Losses	409-240-504	2	Receiver Gain
			409-240-505	3	Net Loss Measurements
			409-240-506	4	Telephone With Diversity — Comparator Tests
			409-240-507	4	Signaling and Pilot Tone Levels
			409-240-508	2	Pilot Monitor Tests and Adjustments
409-201 TJ/TM-1 Microwave Radio			409-241 TJ/TM-1 — Systems Tests — Heavy Loading		
Description			409-241-500	2	General
409-201-100	1	General	Add 409-241-501	1	
409-201-101	1	Overall System	409-241-501	2	Initial Line-Up Test Sequence and Periodic Test Intervals
General Tests			409-241-502	3	Received Signal Level
409-201-503	2	Auxiliary Bay — Power Supply Tests and Voltage Checks	Add 409-241-503	1	
			409-241-503	2	Transmitter-Receiver Link Deviation
409-210 TJ Transmitter Tests			Add 409-241-504	1	
409-210-501	4	Frequency and Power Output	409-241-504	1	Transmitter-Receiver — Link Linearity Test
409-210-502	2	Deviation	409-241-505	2	Net Loss Measurements
409-210-503	4	Linearity	409-241-506	2	Comparator Tests and Adjustments
409-210-504	3	Baseband Amplifier Response	409-241-507	2	Signaling and Pilot Tone Levels
Add 409-210-505	1		409-241-508	2	Pilot Monitor Tests and Adjustments
409-210-505	3	Component Replacement	409-241-509	2	Noise Loading Measurements
409-220 TJ Receiver Tests			409-242 TJ Microwave Radio — Systems Tests — Heavy Loading		
409-220-501	4	RF to IF Tests	409-242-500	1	General
Add 409-220-502	1		409-242-501	1	Initial Line-Up Test Sequence
409-220-502	4	Baseband Amplifier Power Output, Frequency Response, Noise Quieting, and Squelch Adjustments	409-242-502	1	Received Signal Level, IF, and Squelch Tests
409-220-503	3	Linearity	Add 409-242-503	1	
409-220-504	3	1A Modulator or J99296AA List 3, 4 Modulator Preamplifier	409-242-503	1	Transmitter-Receiver Link Deviation
409-220-505	4	Component Replacement	409-242-504	2	Transmitter-Receiver — Link Linearity Test
409-220-506	3	Noise Figure Measurements	409-242-505	1	Net Loss Measurements
409-220-507	1	IF Unit Impedance Matching	409-242-506	2	Comparator Tests
409-230 TJ Auxiliary Bay Tests			409-242-507	1	Signaling and Pilot Tone Levels
409-230-500	2	General	409-242-508	1	Pilot Monitor Tests and Adjustments
409-230-501	2	Diversity Switch and Transmission Unit	409-242-509	2	Noise Loading Measurements
409-231 TJ/TM-1 Auxiliary Bay					
409-231-501	1	Diversity Switch and Transmission Unit			

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Section Number	Issue	Subject	Section Number	Issue	Subject
409-3 TL-1 MICROWAVE RADIO			409-306-501	2	Baseband Amplifier Gain Adjustment
409-300 Description			409-306-502	2	AFC Alignment and In-Service Checks
409-300-100	3	General	409-306-503	2	Received Signal Level
409-300-101	3	Overall System	409-306-504	2	Squelch Circuit Alignment
409-300-102	4	Transmitter-Receiver Bay	Add 409-306-505	1	
Add 409-300-103	1		409-306-505	2	Miscellaneous Out-Of-Service Checks
409-300-103	1	Transmitter	409-306-506	3	Component and Subassembly Replacement
409-300-104	2	Receiver	409-308 Power Supply Tests		
409-300-105	1	Power Supply	409-308-500	1	General
409-300-106	1	Diversity Switch	409-308-501	2	Voltage Checks
409-300-107	1	Order Wire and Alarm	409-308-502	1	Component and Sub-Assembly Replacement
409-301 Operation			409-310 Order Wire and Alarm Tests		
409-301-300	1	Operation-Order Wire and Alarm	409-310-500	1	General
409-302 General Information			409-310-501	1	Alarm Circuit Checks
409-302-330	2	Periodic Test Intervals	409-310-502	1	Level and Frequency Adjustments
409-302-500	2	General Maintenance	409-310-503	1	Encoder
409-302-501	3	Transmitter-Receiver Bay — Checks and Trouble Location	409-312 Diversity Switch Tests		
409-302-502	1	Cabinet Equipment — Miscellaneous Items	409-312-500	1	General
409-303 System Tests			409-312-501	2	Performance Checks, Alignment, and Unit Replacement
409-303-500	2	General	409-4 TL-2 AND TM-1 MICROWAVE RADIO		
409-303-501	1	Transmission Measurement	409-400 Description		
409-303-502	1	Idle Noise	409-400-100	3	General
409-303-503	1	600-Circuit Noise Loading Tests for Message Systems	409-400-101	2	TL-2 Overall System
409-303-504	1	Envelope Delay and Linearity Tests	409-400-102	4	TL-2 Transmitter-Receiver Arrangements
409-304 Transmitter Tests			409-400-103	3	Transmitter
409-304-500	1	General	409-400-104	4	Receiver
409-304-501	2	Frequency and Linearity	409-400-111	2	TM-1 Overall System
409-304-502	1	Deviation	409-400-112	3	TM-1 Transmitter-Receiver Arrangement
409-304-503	1	Baseband Amplifier	409-400-113	3	TM-1 Transmitter
Add 409-304-504	1		409-400-114	3	Receiver
409-304-504	3	Component and Subassembly Replacement	409-400-121	1	Power Supply
409-305 Transmitter-Receiver Equipment Tests			409-400-122	2	Power Supply — Chargers and Battery
409-305-500	1	Component and Subassembly Replacement	409-400-123	2	J99296L Bistable Diversity Switch — J99302M Revertive Diversity Switch
409-306 Receiver Tests			409-400-124	2	Order Wire and Alarm
409-306-500	2	General	409-400-125	2	Television Transmission Systems Equipped With J99296AC, AD, AE, and AH Video Panels

Section Number	Issue	Subject	Section Number	Issue	Subject
409-400-126	1	Television Transmission — J99296AJ and AK Video Panels	Add 409-404-503	1	
♥ 409-400-127	1	Hot Standby Transmitter Switch Control Panel — J99302B1	409-404-503	3	Baseband Amplifier
409-400-140	1	TM-A1 Power Amplifier	409-404-504	4	Component and Subassembly Replacement
409-400-141	2	TM-A1 TWT Power Supply	409-404-505	3	Power Output
409-400-145	1	TL-A2 Power Amplifier	Add 409-404-506	1	
409-400-146	1	TL-A2 Power Supply	409-404-506	1	TM-B1 Power Amplifier — Tuneup and Replacement Procedures
409-400-150	1	TM-B1 Power Amplifier	409-404-507	2	TL-A2 Power Amplifier — Tuneup and Replacement Procedures
409-400-151	1	TM-B1 Power Supply			
409-401 Operation			409-405 TM-A1 Power Amplifier		
409-401-300	1	Order Wire and Alarm	409-405-501	2	Component and Subassembly Replacement
409-402 General Maintenance Tests			409-406 Receiver Tests		
Add 409-402-500	1		409-406-500	2	General
409-402-500	4	General	409-406-501	2	Baseband Amplifier Gain Adjustment
409-402-501	3	Removing and Restoring Service	409-406-502	3	AFC Alignment and In-Service Checks
409-402-502	5	Transmitter-Receiver Bay — Checks and Trouble Location	409-406-503	4	Received Signal Level
409-402-503	5	Building and Housing Equipment	409-406-504	4	Squelch Sensitivity
409-402-504	2	TM-A1 Power Amplifier	409-406-505	5	Miscellaneous Out-of-Service Checks
409-403 System Tests			409-406-506	3	Component and Subassembly Replacement
Add 409-403-500	1		409-408 Power Supply Tests		
409-403-500	4	General	409-408-501	3	Regulator, Inverter, and Rectifier
409-403-501	4	Message Transmission	409-408-503	2	Subassembly Replacement
409-403-502	2	Television Transmission — Systems Equipped With J99296AC, AD, AE and AH Video Panels	409-408-505	2	TM-A1 Power Supply
409-403-503	1	Television Transmission — Systems Equipped With J99296AJ and J99296AK Video Panels	409-410 Order-Wire and Alarm Tests		
409-403-504	2	Idle Noise	409-410-501	3	Alarm Circuit Checks
409-403-505	1	600 Circuit Noise-Loading Tests for Message Systems	409-410-502	1	Level and Frequency Adjustments
409-403-506	1	Envelope Delay and Linearity	409-410-503	3	Encoder
Add 409-403-507	2		409-410-504	3	Transmitter Alarm Initiator
409-403-507	1	1200-Circuit Noise Loading Tests for Message Systems	409-412 Diversity Switch Tests		
409-404 Transmitter Tests			409-412-501	5	Diversity Switch Tests, Alignment, and Unit Replacement
Add 409-404-501	1		♥ 409-412-502	1	Hot Standby Transmitter Switch Control Panel J99302B1 — Tests, Alignment, and Subassembly Replacement
409-404-501	3	Frequency and Linearity	409-420 TL-2 Portable Microwave		
409-404-502	3	Deviation	Description		
			409-420-100	1	General
			409-420-101	1	Over-all System
			409-420-102	1	Order Wire and Alarm

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Section Number	Issue	Subject
409-420-103	1	Television Transmission — J99296BF-1 Video Unit

Installation

409-420-200	1	Installation and Operation
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Tests

Add 409-420-500	1	
409-420-500	1	General

409-5 TM-2/TM-2A MICROWAVE RADIO

409-500 Description

409-500-100	3	General
409-500-101	3	Overall System
409-500-102	3	Transmitter-Receiver Arrangement
409-500-103	2	Transmitter-Receiver Panel — Description
409-500-121	2	91A and 91B Power Units
509-500-122	1	220A Power Unit

409-502 General Maintenance Tests

409-502-500	3	General
409-502-501	4	Removing and Restoring Service
409-502-502	3	Transmitter-Receiver Panel — Checks and Trouble Location
409-502-503	1	Transmitter — Receiver Panel — Back-To-Back Testing Methods

409-503 System Tests

409-503-500	2	General
409-503-501	1	Message Transmission
409-503-502	1	Television Transmission
409-503-503	1	Idle Noise
Add 409-503-504	2	
409-503-504	1	1200-Circuit Noise Loading Tests for Message Systems
409-503-505	1	Envelope Delay and Linearity

409-504 Transmitter Tests

409-504-500	2	General
409-504-501	3	Local Oscillator
409-504-502	5	FM Transmitter Modulator and Microwave Amplifier
409-504-503	3	Component and Subassembly Replacement

409-506 Receiver Tests

409-506-500	3	General
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Section Number	Issue	Subject
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409-506-501	3	Local Oscillator
409-506-502	3	Received Signal Power
409-506-503	3	IF Amplifier and FM Receiver
409-506-504	3	Component and Subassembly Replacement

409-508 Power Supply Tests

409-508-501	3	91A Power Unit and — 19 Volt Regulator (ED-3C400-30)
409-508-502	3	Component and Subassembly Replacement

409-512 Hot Standby Switch

409-512-501	1	Receiver Tests, Alignment, and Subassembly Replacement
409-512-502	1	Transmitter — Control Panel — Tests, Alignment, and Subassembly Replacement

409-6 ANCILLARY EQUIPMENT

Description

409-600-100	1	Description
409-600-101	1	Baseband Access Panel
409-600-102	1	Basic Radio Order Wire
409-600-103	1	Radio and Common Alarms
409-600-104	1	2600-Hz Supply Circuit
409-600-105	1	Baseband Monitor, Switch, and Control for HF Pilot
409-600-106	1	Order Wire and Alarm Multiplex
409-600-107	2	Power Supply — Chargers and Battery
409-600-108	1	Short Haul Radio — 1A-Radio Digital System Transmission

Tests

409-600-500	1	General Maintenance
409-600-501	1	Baseband Access Panel
409-600-502	1	Basic Radio Order Wire
409-600-503	1	Radio and Common Alarms
409-600-504	1	2600-Hz Supply Circuit
409-600-505	1	Monitor, Alarm, and Switch Control Units for HF Pilot — Alignment and Subassembly Replacement
409-600-506	1	Equipment Tests — Order Wire and Alarm Multiplex
409-600-507	2	Installation and Maintenance — Power Supply — Chargers and Battery
409-600-508	2	Short Haul Radio — Equipment Tests — 1A-Radio Digital System Transmission

Section Number	Issue	Subject	Section Number	Issue	Subject
409-7 OVERALL SYSTEM			410-100-503	2	Differential Phase and Gain
409-700-100	1	Description	410-100-504	9	Noise and Tones
409-700-500	1	General Test Information	410-100-505	2	40 Mc Shifter Tone Test
409-701-500	1	In-Service Testing	410-100-506	1	Carrier Frequency Measurements
409-701-501	1	Short Haul Radio — In-Service Testing — Channel Net Gain and Baseband Response	410-100-507	7	Envelope Delay
409-702-500	1	Short Haul Radio — Out-of-Service System Tests — General Test Information	410-100-508	6	Message Service Connections and Levels
409-702-501	1	Out-of-Service System Tests — Envelope Delay and Linearity	410-100-509	2	Television Service Connections and Levels
409-702-502	1	Short Haul Radio — Out-of-Service System Tests — Channel Net Gain and Baseband Response	410-100-510	4	Received Signal Level
409-702-503	1	Short Haul Radio — Out-of-Service System Tests — Thermal Noise and Spurious Tones	Add 410-100-513	1	
409-702-504	1	Short Haul Radio — System Tests — Noise Loading	410-100-513	2	Noise Loading
409-702-505	1	Short Haul Radio — System Tests — Differential Phase and Gain	410-2 FM TERMINALS		
<hr/>			Transmitter		
DIVISION 410 — TD-2 MICROWAVE RADIO			410-200 General		
<hr/>			Description		
410-0		Indexes and Equipment Test Lists	Add 410-200-101	1	
-1		Overall System	410-200-101	1	J68336A FM Transmitter
-2		FM Terminals	Add 410-200-102	2	
-4		Transmitter-Receiver Bay	410-200-102	1	J68336K FM Transmitter
-6		Automatic Protection Switching	Operation		
-7		Maintenance Center	410-200-301	1	Placement In and Removal From Service
-8		Antenna Duplexing	Tests		
-9		Auxiliary Equipment	410-200-501	2	In-Service Checks
410-0 INDEXES AND EQUIPMENT TEST LISTS			Add 410-200-502	1	
•	♣	410-000-000 58 Numerical Index — Division 410 — TD-2 Microwave Radio	410-200-502	5	Supply Voltages and Filament Activity
		410-001-011 14 ETL — TD-2 Radio	410-200-503	2	Capacitor Check
410-1 OVERALL SYSTEM			410-200-510	1	Over-all Transmission
Description			410-200-511	2	Test Charts
410-100-100	3	General	410-202 Control Panel		
Operation			Tests		
410-100-301	1	Initial Lineup of Channels	410-202-511	1	Supply Voltage Noise Measurement
Tests			410-202-512	1	Voltage and Resistance Tables
410-100-500	5	General Test Information	410-204 Video Amplifier		
410-100-501	4	Channel Net Gain	Tests		
410-100-502	5	Baseband Response	410-204-501	1	AFC Gate Pulse Level
			410-204-502	1	Noise and Vibration Check
			410-204-503	1	Gain and Baseband Response
			410-204-511	1	Longitudinal Current Suppression Adjustment

Section Number	Issue	Subject
410-204-512	1	Square Wave Response
410-204-513	1	Differential Phase and Gain
410-204-514	1	AFC Gate Pulse Rate Adjustment
410-204-515	2	J68336 FM Transmitter — Voltage and Resistance Tables
410-206 FM Generator		
Tests		
Add 410-206-501	1	J68336 — Klystron Replacement and Tuning and AFC Tests
410-206-501	3	
Add 410-206-502	1	J68336 — Rest Frequency
410-206-502	2	
Add 410-206-503	1	DO Klystron Sensitivity
410-206-503	2	
Add 410-206-504	3	DO Klystron Linearity
410-206-504	2	
410-206-505	1	Output Level
410-206-506	1	Wavemeter Lubrication and Calibration
410-206-511	1	Voltage and Resistance Tables
410-208 Limiter-Amplifier		
Tests		
Add 410-208-501	1	Limiter Action and Output Levels
410-208-501	1	
410-208-511	1	Return Loss
410-208-512	1	Voltage and Resistance Tables
410-210 AFC Unit		
Tests		
410-210-501	1	Repeller Noise Check
410-210-502	1	AFC Pull-In Check
410-210-511	1	Return Loss
410-210-512	1	Pulse Modulator Balance Adjustment
410-210-513	1	Discriminator Network Adjustment
410-210-514	1	Discriminator Performance Check
410-210-515	1	Voltage and Resistance Tables
Receiver		
410-220 General		
Description		
Add 410-220-101	1	J68336G FM Receiver
410-220-101	1	

Section Number	Issue	Subject
Operation		
410-220-301	1	Placement In and Removal From Service
Tests		
410-220-501	2	Supply Voltages and Electron Tube Tests
410-220-502	3	J68336G FM Receiver — Capacitor Check
Add 410-220-509	1	Linearity and Limiter Bias
410-220-509	2	
Add 410-220-510	1	Overall Transmission
410-220-510	1	
410-220-511	1	Receiver Check When FM Transmitter not Available Locally
410-222 Limiter-Detector		
Tests		
410-222-511	1	Return Loss
410-224 Video Amplifier		
Tests		
410-224-511	1	Gain and Baseband Response
410-224-512	1	Voltage Table
410-4 TRANSMITTER-RECEIVER BAY		
410-400 General		
Operation		
410-400-303	2	TD-2 Operation With Portable Microwave Repeater
Mechanical Procedures		
410-400-701	1	Bay Alignment
410-410-Transmitter-Receiver Bay		
410-410-100	5	General Description
410-410-500	7	Tests
410-410-501	5	Microwave Generator
410-410-502	2	40-MHz Shifter
410-410-503	2	Transmitter Tests — IF Buffer Amplifier
410-410-504	3	Receiver Control Panel and Power and Metering Panel
410-410-505	4	Receiver Modulator — IF Preamplicator
410-410-506	7	Overall Receiver — Maintenance
410-410-507	6	Transmitter Modulator — Maintenance and Description
410-410-508	7	Overall Transmitter — Maintenance and Description

Section Number	Issue	Subject	Section Number	Issue	Subject
410-410-509	3	Transmitter Control Panel, Output Monitor, and Power and Metering Panel — Description and Troubleshooting	410-602-506	5	Relay Sensitivity Check
410-410-510	1	General — Tests — Leakage	410-602-507	5	Recycling Test
410-410-511	1	Impulse Noise Troubleshooting	Add 410-602-508	1	
410-410-512	4	Fade Margin Tests	410-602-508	3	Local IF Switch Operation
410-410-513	1	Cross Polarization Test	410-602-509	2	Electron Tube and Relay Tests
410-410-514	2	Receiver Space Diversity — Diversity Switch	410-602-510	1	Power Supply Voltages
♥ 410-410-516	1	Transmitter Receiver Bay-General — Tests — RF Leakage	410-602-511	2	Overall VF Line Transmission
410-6 AUTOMATIC PROTECTION SWITCHING			410-604 Channel Initiator		
410-600 Overall System			Description		
Description			Add 410-604-100	1	
410-600-100	3	Description	410-604-100	2	Description
Operation			Operations		
410-600-300	2	Operation	410-604-301	1	Placement In and Removal From Service
410-600-301	2	Patching Procedures	Tests		
Tests			410-604-500	1	General Test Information
410-600-500	2	General	410-604-501	2	Filament Activity
410-600-501	3	In-Service Operate Check	410-604-502	1	Input Return Loss
410-600-502	3	Out-of-Service Operate Checks	410-604-503	1	IF Transmission Test
410-600-503	3	Transmitting Automatic Switch	410-604-504	2	Linearity Test
410-600-504	5	Receiving Automatic Switch	410-604-505	1	Coarse Linearity Adjustment
410-600-505	1	Auxiliary Station	410-604-506	1	Monitoring Video Amplifier Adjustment
410-600-506	1	Channel Maintenance Switching	410-604-507	2	Local Oscillator Tuning Check
410-600-507	1	System Timing Tests	410-604-508	5	Adjustment of Reinserted Pilot
410-600-508	3	Unit Timing Tests	410-604-509	2	Modulator and Pilot IF Amplifier Tuning and Detector Tests
410-600-509	1	Trouble Shooting Aids	410-604-510	6	Pilot Switch Adjustment
410-602 Switching Controls			410-604-511	2	Slicer Circuit Tests
Description			410-604-512	5	Noise Detector and Fade Switch Adjustment
410-602-100	6	Description	410-604-513	1	Trouble Location Tests
Tests			410-604-514	1	Voltage Measurements
410-602-501	2	Frequency Check	410-606 Video Pilot Supply and Distribution Circuit		
410-602-502	1	Output Level Check	Description		
410-602-503	2	Lockout Delay Time Check	410-606-100	2	Description
410-602-504	1	Manual Operation Check	Operation		
410-602-505	1	Alarm Delay Operate Time	410-606-301	1	Placement In and Removal From Service
			Tests		
			410-606-500	3	Tests

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Section Number Issue Subject

410-608 IF Pilot Resupply and Transfer Panel

Description

Add 410-608-100 1
410-608-100 2 Description

Operation

410-608-300 2 Preparation for Service

Tests

410-608-500 6 Tests

FM Terminal Switching

410-610 FM Transmitter Switching

Description

410-610-100 6 Overall System
410-610-101 3 FM Receiver
410-610-102 5 Automatic and Manual Control Circuits
410-610-103 3 Indications, Alarms, and Alarm Circuits
410-610-104 2 Monitoring and Test Facilities
410-610-105 1 Power and Power Distribution

Operation

410-610-300 5 Operation

Tests

410-610-500 5 Overall System Tests
410-610-501 3 FM Receiver
410-610-502 2 Controls, Indications, and Alarms
410-610-504 1 Metering Circuit Maintenance

410-611 FM Receiver Switching

Description

410-611-100 6 Overall System
410-611-101 1 Pilot Detection Using J68769A Amplifier-Rectifier
410-611-102 5 Automatic and Manual Control Circuits
410-611-103 3 Indications, Alarms, and Alarm Circuits
410-611-104 2 Monitoring and Test Facilities
410-611-105 1 Power and Power Distribution

Operation

410-611-300 4 Overall System

Section Number Issue Subject

Tests

410-611-500 4 Overall System
410-611-501 2 Controls, Indications, and Alarms
410-611-502 1 Pilot Detection Using J68769A Amplifier-Rectifier

410-612 Common Equipment

Description

410-612-101 2 J68381BK IF Amplifier
410-612-102 2 Pilot Detection
410-612-103 1 Voltage Regulator

Tests

Add 410-612-501 2
410-612-501 3 FM Terminal Switching — J68381BK, J68381EG, and J68389AC IF Amplifiers
410-612-502 5 Baseband Amplifier-Rectifier
410-612-503 2 Metering Circuit
410-612-504 2 Voltage Regulator
410-612-505 1 Overall System

410-7 MAINTENANCE CENTER

FM Transmitter Tests

410-700 Limiter-Amplifier

Tests

410-700-501 1 Electron Tube Tests
410-700-502 1 Return Loss
410-700-503 1 Gain and Frequency Response

410-702 AFC Unit

Tests

Add 410-702-501 1
410-702-501 1 Return Loss

FM Receiver Tests

410-710 Limiter-Detector

Tests

410-710-501 1 Return Loss
410-710-502 1 IF Amplifier Gain and Frequency Response
410-710-503 2 IF Amplifier Interstage Alignment
410-710-504 2 J68336G — Frequency Response
410-710-505 1 Discriminator Adjustment

Section Number	Issue	Subject
Transmitter-Receiver Bay		
Tests		
410-720-500	4	Receiver Converter and J68330 IF Preamp- li-er
410-721-500	2	J68387P Receiver Modulator and IF Pream- plifier
410-722-500	3	J68330 IF Preamplifier
410-724-500	4	J68330A IF Main Amplifier
410-724-501	1	J68330T1 IF Main Amplifier
410-726-500	3	IF Buffer Amplifier
410-727-500	2	J68330S IF Buffer Amplifier
410-728-500	3	Transmitter Modulator
410-730-500	7	Transmitter Amplifier
410-731-500	1	88A Power Unit

410-8 ANTENNA DUPLEXING

410-802-302	1	Waveguide-Antenna System Restoration
Add 410-802-303	1	
410-802-303	1	Temporary Single Antenna Operation for Emergency Use

410-9 AUXILIARY EQUIPMENT

- 410-900) IF Auxiliary Equipment
- 410-904)
- 410-900 IF Switching and Distribution Amplifiers

Description

410-900-100	2	Description
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Tests

410-900-330	2	Periodic Test Intervals
410-900-500	3	Tests

410-902 IF Auxiliary Amplifier

Description

410-902-100	2	Description
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Operation

410-902-300	3	Operation
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Tests

410-902-330	2	Periodic Test Intervals
410-902-500	3	Tests

410-904 IF Bridging Amplifier

Description

410-904-100	1	Description
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Operation

410-904-301	1	Placement In and Removal From Service
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Tests

410-904-330	1	Periodic Test Intervals
Add 410-904-501	1	
410-904-501	3	Tests

**410-910) Baseband Auxiliary Equipment
410-914)
410-910 Video Monitor Amplifier**

Description

410-910-100	2	Description
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Operation

410-910-300	2	Operation
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Tests

410-910-500	2	Tests
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410-912 Patching and Monitoring Equipment

Description

410-912-100	2	Description
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Operation

410-912-300	2	Operation
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Tests

410-912-330	2	Periodic Test Intervals
410-912-500	2	Tests

410-914 Program and Terminal Maintenance Switching

Description

410-914-100	1	Description
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Operation

410-914-300	1	Operation
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Tests

410-914-500	3	Tests
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DIVISION 411 — TD-3 MICROWAVE RADIO

- 411-0 Indexes and Equipment Test Lists
- .1 Overall System

Section Number	Issue	Subject
.4		J68386A and J68386B Transmitter-Receiver Bays
.5		J68386G and J68386H Transmitter-Receiver Bays
.6		Hot Standby/Space Diversity — Overall Switching
.7		Maintenance Center
.8		Antenna Arrangements

Section Number	Issue	Subject
411-402-504	2	J68387R Microwave Generator and 4-GHz Multiplier
411-402-511	2	Impulse Noise Troubleshooting
411-402-512	3	Fade Margin Tests
411-402-513	1	Cross-Polarization Discrimination Test

411-0 INDEXES AND EQUIPMENT TEST LISTS

◆	411-000-000	17	Numerical Index — Division 411 — TD-3 Microwave Radio
	411-001-011	10	ETL — TD-3 Radio

411-1 OVERALL SYSTEM

Tests

	411-100-100	3	Description
	411-100-301	2	Initial Lineup of Channels
Add	411-100-500	1	
	411-100-500	1	General Test Information
	411-100-501	2	Envelope Delay Distortion
Add	411-100-503	1	
	411-100-503	1	Channel Net Gain and Baseband Response
Add	411-100-504	1	
	411-100-504	1	Thermal Noise and Spurious Tones
	411-100-505	1	Noise Loading
	411-100-506	1	Differential Phase and Gain
	411-100-508	1	Received Carrier Power
	411-100-509	1	Carrier Frequency Measurements

411-4 J68386A AND J68386B TRANSMITTER-RECEIVER BAYS

411-400 General

Operation

	411-400-100	3	Description
	411-400-301	2	Turnon and Turnoff Procedures
	411-400-303	1	Operation With Portable Microwave Repeater

Tests

	411-400-500	2	General
	411-400-501	3	In-Service Checks
	411-400-502	4	Level Diagrams

411-402 Common Equipment Tests

	411-402-500	2	Preliminary Checks
	411-402-501	2	J68387B Microwave Generator
	411-402-502	1	-19 Volt Regulator
	411-402-503	2	J68387D 40-MHz Oscillator-Shift Modulator

411-404 Receiver Tests

	411-404-501	4	Transmission
	411-404-502	2	IF Return Loss Measurement
	411-404-503	1	J68387P Receiver Modulator — IF Preampfier
	411-404-504	1	J68387C Receiver Modulator — IF Preampfier
	411-404-505	1	Noise Figure

411-406 Transmitter Tests

Add	411-406-501	1	
	411-406-501	5	Transmitter Transmission Test
	411-406-502	1	IF Return Loss Measurements
	411-406-503	2	J68387E IF Driver Amplifier — Transmitter Modulator
	411-406-504	4	J68385A Traveling Wave Tube Power Supply Tests and TWT Amplifier Replacement Procedure

411-5 J68386G AND J68386H TRANSMITTER-RECEIVER BAYS

411-500 General

Operation

	411-500-100	4	Description
	411-500-301	3	Turnon and Turnoff Procedures
	411-500-303	1	TD-3A Operation With Portable Microwave Repeater

Tests

	411-500-500	3	General Test Information
	411-500-501	4	In-Service Checks
	411-500-502	5	Level Diagrams

411-502 Common Equipment Tests

	411-502-500	5	Preliminary Checks
	411-502-502	2	J87279A — 19 Volt Regulator
	411-502-503	2	J68387W 40-MHz Oscillator and Shift Modulator
	411-502-504	7	J68387R-1 Microwave Generator

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 411-502-505	1		411-712-500	2	J68387H IF Limiter
411-502-505	1	70A Detector, 27A or 28A Integrated Circuit — Replacement	411-713-500	1	J68387T IF Limiter — Carrier Resupply
411-502-511	1	Impulse Noise Troubleshooting	Add 411-714-500	1	
411-502-512	3	Fade Margin Tests	411-714-500	1	IF Carrier Resupply
411-502-513	1	Cross-Polarization Discrimination Test	411-716-500	1	J68387E IF Driver Amplifier — Transmitter Modulator
411-504 Receiver Tests			411-717-500	2	J68387U IF Driver Amplifier — Transmitter Modulator
411-504-501	4	Transmission	411-718-500	1	J68387D 40-MHz Oscillator-Shift Modulator
411-504-502	2	IF Return Loss Measurement	411-719-500	2	J68387W 40-MHz Oscillator — Shift Modulator
411-504-503	2	J68387P Receiver Modulator and IF Preamplifier	411-720-500	1	J86835A Traveling Wave Tube Power Supply
411-504-505	2	Noise Figure	411-721-500	1	J86890A Traveling Wave Tube Power Supply
411-504-506	1	Testing and Replacing the 295A IF Switch	411-722-500	1	J68387B Microwave Generator
411-506 Transmitter Tests			411-724-500	1	J68387R, List 1, 2, and 4 through 20 Microwave Generator
Add 411-506-501	1		411-726-500	1	J87279A — 19 Volt 4.0-Ampere Semiconductor Regulator
411-506-501	8	Transmission	411-728-500	1	Transmitter-Receiver Control Units
411-506-502	2	IF Return Loss Measurements	411-729-500	1	J68387Y-1 and J68387Y-2 Meter Circuits
411-506-503	2	J68387U IF Driver Amplifier — Transmitter Modulator	411-730-500	1	Common Alarm
Add 411-506-504	1		411-731-500	1	J68387AA Alarm Circuit
411-506-504	1	J86890A Traveling Wave Tube Power Supply Tests and TWT Amplifier Replacement	411-8 ANTENNA ARRANGEMENTS		
411-506-505	2	29A and 30A Integrated Circuit — Replacement	411-802-302	2	General — Waveguide-Antenna System Restoration
411-506-506	1	Testing and Replacing RF Switch and 337A Relay	411-802-303	1	Temporary Single Antenna Operation for Emergency Use
411-6 HOT STANDBY/SPACE DIVERSITY — OVERALL SWITCHING					
411-600-500	1	General			
411-600-501	1	Tests			
411-600-502	1	Testing and Replacement of the J68434B Pilot Detector			
411-7 MAINTENANCE CENTER					
411-700) Transmitter-Receiver Bay Components					
411-730)					
411-700-500	1	General	412-0		Indexes and Equipment Test Lists
411-702-500	1	J68387P Receiver Modulator — IF Preamplifier	-1		Overall System
411-704-500	1	J68387C Receiver Modulator — IF Preamplifier	-2		FM Terminals
411-706-500	1	J68387F IF Main Amplifier	-3		Microwave Carrier Supply
411-708-500	1	J68387S IF Main Amplifier	-4		Broadband Radio Channel
411-710-500	1	J68387G AGC Amplifier	-5		Auxiliary Channel
			-6		Automatic Protection Switching
			-7		Maintenance Center
			-8		Antenna Duplexing
			412-0 INDEXES AND EQUIPMENT TEST LISTS		
			• ♦ 412-000-000	35	Numerical Index — Division 412 — TH-1 Microwave Radio

	Section Number	Issue	Subject
Sup	412-001-011	1	
	412-001-011	10	ETL
412-1 OVERALL SYSTEM			
Description			
	412-100-100	1	General
Operation			
	412-100-301	1	Initial Lineup of Channels
Tests			
	412-100-501	4	Main and Terminal Station Levels
	412-100-502	3	Envelope Delay Distortion and Baseband Amplitude Equalization
Add	412-100-503	1	
	412-100-503	4	Fluctuation Noise and Spurious Tones
	412-100-504	1	DADE Equalization — Out of Service
	412-100-505	1	DADE Equalization — In-Service DADE
	412-100-506	1	Broadband and Auxiliary Channel — Received Signal Level Measurements
	412-100-507	1	Noise Loading
	412-100-508	2	RF Leakage
	412-100-509	1	Carrier Frequency Measurements
	412-100-515	4	Microwave Carrier Supply and Auxiliary Channel Equipment — In-Service Tests
	412-100-550	1	Auxiliary Channel Levels
	412-100-800	5	Common Equipment — Mechanical Maintenance Procedures
412-2 FM TERMINALS			
412-200 Description			
	412-200-100	1	Transmitter and Receiver
412-210 Common Equipment Tests			
Add	412-210-501	1	
	412-210-501	2	IF Amplifier
	412-210-502	2	Video Amplifier Monitor
	412-210-503	2	IF Amplifier-Limiter
412-220 FM Transmitter Tests			
	412-220-501	1	Placement In and Removal From Service
Add	412-220-502	1	
	412-220-502	1	Video Amplifier
	412-220-503	2	FM Generator
	412-220-504	1	AFC Circuit

	Section Number	Issue	Subject
Add	412-220-505	1	
	412-220-505	1	Limiter-Discriminator
	412-220-506	1	Reference Oscillator
	412-220-507	1	Frequency Comparator
Add	412-220-508	1	
	412-220-508	3	Overall Tests and Adjustments
412-230 FM Receiver Tests			
	412-230-330	2	Periodic Test Intervals
	412-230-501	1	Placement In and Removal From Service
	412-230-502	2	Discriminator Video Amplifier
Add	412-230-503	1	
	412-230-503	2	Overall Checks
412-240 3B FM Transmitter			
	412-240-100	1	Description
	412-240-301	1	Placement In and Removal From Service
	412-240-330	1	Periodic Test Intervals
Tests Using 37H FM Terminal Test Set With 37J Test Panel			
	412-240-500	2	General
	412-240-501	2	In-Service Checks
	412-240-502	3	3B FM Transmitter — IF and Oscillator Rest Frequencies
	412-240-503	2	Square-Wave Response
	412-240-504	2	IF Output and Frequency Response
	412-240-505	2	Linearity
	412-240-506	2	Deviation Sensitivity
	412-240-507	2	Frequency Response and Monitor Gain Adjustments
	412-240-508	2	Alarm Circuit Adjustments
	412-240-509	1	Fluctuation Noise and Spurious Tone Measurements
	412-240-510	1	Oven Temperature Control Circuit
	412-240-511	2	Control Unit — Performance Checks
	412-240-512	1	-20 Volt Regulator — Performance Checks
412-245 3B FM Receiver			
	412-245-100	1	Description
	412-245-301	1	Placement In and Removal From Service
	412-245-330	1	Periodic Test Intervals

Section Number	Issue	Subject	Section Number	Issue	Subject
Tests Using 37H FM Terminal Test Set With 37J Test Panel			412-420 Transmitter Tests		
412-245-500	2	General	412-420-330	1	Periodic Test Intervals
412-245-501	1	In-Service Checks	412-420-500	1	General
412-245-502	2	Square-Wave Response	412-420-501	11	Routine Tests
412-245-503	3	Gain, Frequency Response, Limiting Action, and Alarm Circuit Adjustments	412-420-502	4	Turn-Off and Turn-On Procedures
412-245-504	2	Linearity	412-420-503	6	IF Amplifier-Limiter
412-245-505	2	Fluctuation Noise and Spurious Tone Measurements	Add 412-420-504	2	
			412-420-504	7	IF Carrier Resupply
			412-420-505	6	Traveling-Wave Tube Amplifiers
			412-420-506	3	Transmitter Modulator
			412-420-507	5	Transmission and Output Power
412-3 MICROWAVE CARRIER SUPPLY			412-430 Receiver Tests		
Description			412-430-330	1	Periodic Test Intervals
Add 412-300-100	2		412-430-501	5	Turnon and Turnoff Procedures
412-300-100	2	General	412-430-502	6	Preliminary Checks
Tests			412-430-503	6	Gain, Transmission, Noise Figure, Channel Monitor and 59.3-MHz Tone Measurement
412-300-330	3	Periodic Test Intervals	412-430-504	5	Receiver Modulator and IF Preamplifier
412-300-500	3	General	412-430-505	3	IF Main Amplifier and AGC Circuits
412-300-501	2	Low-Voltage Power Supplies	412-430-506	2	Automatic Gain Control Circuit
412-300-502	3	14.8-MHz Supply	412-430-507	1	Band-Elimination Filter
412-300-503	5	Low-Frequency Generator	412-430-508	1	IF Carrier Resupply of the Following Transmitter
412-300-504	5	High-Frequency Generator	412-430-509	1	Receiver Space Diversity — Diversity Switch
412-300-505	4	Low-Frequency Switching Unit	412-440 Mop-Up Equalization Bay		
412-300-506	1	High-Frequency Switching Unit	412-440-501	3	Tests
412-300-507	3	J68403F Switching Control Circuit	412-450 Digital Service Tests		
412-300-508	2	DC Amplifier	412-450-501	1	Impulse Noise Troubleshooting
412-4 BROADBAND RADIO CHANNEL			412-450-502	3	Common Equipment Tests — Fade Margin Tests
412-400 Description			412-450-503	1	Cochannel Tones and Cross Polarization Discrimination
412-400-101	1	Common Equipment	412-460 Demand Maintenance		
Add 412-400-102	2		412-460-103	3	Transmitter Tests — Demand Maintenance
412-400-102	2	Transmitter	412-460-104	2	Receiver Tests
412-400-103	4	Receiver	412-5 AUXILIARY CHANNEL		
412-400-104	2	TH-1 Mop-Up Equalization Bay	412-500 Description		
412-410 Common Equipment Tests			412-500-100	1	General
412-410-330	1	Periodic Test Intervals			
412-410-502	4	29.7-MHz and 59.3-MHz Carrier Supply Modulators			
412-410-503	2	444A Traveling Wave Tube Loss Measurements			

Section Number	Issue	Subject
Add 412-500-101	1	
412-500-101	2	Transmitter-Receiver
412-500-102	1	Terminal
412-510 Transmitter-Receiver Tests		
412-510-500	1	General
412-510-501	3	Placement In and Removal From Service
412-510-502	4	Preliminary Checks
412-510-503	2	Station Line-Up
412-510-504	2	Alarms
412-510-505	2	Receiver Modulator — IF Preamplifier
412-510-506	1	IF Amplifier-Detector and Baseband Amplifier, and Automatic Gain Control
412-510-507	2	Transmitter Modulator
412-510-508	1	Frequency-Shift Oscillator
412-510-509	1	Frequency-Shift Modulator
412-510-510	1	Traveling-Wave-Tube Amplifier
412-510-511	1	RF Power and Modulation Monitor Circuit — Placement in Service

412-520 Terminal Bay Tests

412-520-500	1	General
412-520-501	1	Placement In and Removal From Service
412-520-502	2	Preliminary Checks
412-520-503	4	ON-1 Carrier Terminal
412-520-504	2	J68402M Tone Reporter

412-6 AUTOMATIC PROTECTION SWITCHING

412-600 Overall System

Description

412-600-100	1	Overall System
412-600-101	1	IF Switching
412-600-103	1	Signaling — Tone and DC Reporting
412-600-106	2	Controls, Indications, and Alarms
412-600-107	1	Automatic Exerciser

Operation

412-600-300	1	Manual Operation
412-600-310	1	Automatic Exerciser

System Tests

412-600-502	2	Tone Line Levels
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Section Number	Issue	Subject
412-600-503	1	Switching Operation
412-600-504	3	Operational Failure
412-600-505	1	Timing
412-600-506	1	Status Tones

412-610 IF Switching Tests

412-610-501	2	8A Gate
412-610-502	2	IF Switch Control Circuit
Add 412-610-503	1	
412-610-503	2	IF Carrier Supply
412-610-504	2	IF Amplifier
Add 412-610-505	1	
412-610-505	2	IF Level Detector

412-620 Baseband Switching Tests

412-620-501	1	9A Gate
412-620-502	1	Channel Switch Control Unit
412-620-503	1	Baseband Amplifier
412-620-504	1	Receiving Baseband Switch Unit

412-630 Signaling Circuit Tests

412-630-501	2	Tone Oscillator
412-630-502	4	Tone Detector
412-630-503	3	Noise Detector

412-640 Common Control Circuit Tests

Add 412-640-501	2	
412-640-501	2	Transmitting and Receiving Logic Unit Tests
412-640-502	4	Transmitting and Receiving Logic Test Charts
412-640-503	3	DC Translator
412-640-504	1	Manual Switch Control
Add 412-640-505	1	
412-640-505	1	Override Switch Control
412-640-506	1	Protection Channel Access Switch Control
412-640-507	1	Automatic Exerciser

412-7 MAINTENANCE CENTER

412-710 FM Transmitter Tests

412-710-501	1	AFC Circuit
412-710-502	1	Limiter-Discriminator
412-710-503	1	Reference Oscillator
412-710-504	1	Frequency Comparator

Section Number	Issue	Subject
412-710-505	1	Video Amplifier
412-720 FM Receiver Tests		
412-720-501	1	Discriminator-Video Amplifier
412-730 Broadband Channel Transmitter Tests		
412-730-501	3	IF Amplifier-Limiter
412-730-502	7	IF Carrier Resupply
412-730-503	2	Transmitter Modulator
412-740 Broadband Channel Receiver Tests		
412-740-501	2	IF Main Amplifier
412-740-502	3	Receiver Modulator and IF Preamplifier
412-740-503	2	Automatic Gain Control
412-750 Microwave Carrier Supply Tests		
412-750-501	1	14.8 Mc Oscillator
412-750-502	1	Frequency Comparator
412-750-503	1	Low Frequency Generator
412-750-504	2	252 Mc Carrier Supply Modulator
412-760 Auxiliary Channel Tests		
412-760-500	1	General
412-760-501	1	59.3 Mc Carrier Supply Modulator
412-760-502	1	Automatic Gain Control
412-760-503	2	Receiver Modulator and IF Preamplifier
412-760-504	1	Frequency Shift Oscillator
412-760-505	1	IF Amplifier-Detector and Baseband Amplifier
Add 412-760-506	1	
412-760-506	1	Transmitter Modulator
412-760-507	1	Frequency Shift Modulator
412-770 Common Equipment Tests		
412-770-501	2	29.7-Mc and 59.3-Mc Carrier Supply Modulators
412-770-502	1	IF Amplifier
412-770-503	1	J68406P IF Amplifier-Limiter
412-770-504	1	Video Amplifier Monitor
412-8 ANTENNA DUPLEXING		
412-802-302	1	Temporary Single-Antenna Operation

Section Number	Issue	Subject
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DIVISION 413 — TH-3 MICROWAVE RADIO

- 413-0 Index and Equipment Test List
 - 1 Overall System
 - 4 Transmitter-Receiver Bay
 - 6 Hot Standby/Space Diversity
 - 7 Maintenance Center
 - 8 Antenna Duplexing

413-0 INDEX AND EQUIPMENT TEST LIST

- 413-000-000 73 Numerical Index — Division 413 — TH-3 Microwave Radio
- 413-001-011 8 ETL — TH-3 Radio

413-1 OVERALL SYSTEM**Tests**

- 413-100-100 3 Description
- 413-100-301 2 Initial Lineup of Channels
- 413-100-500 5 General Test Information
- 413-100-501 2 Envelope Delay Distortion
- 413-100-503 3 Channel Net Gain and Baseband Response
- 413-100-504 4 Thermal Noise and Spurious Tones
- 413-100-505 2 Noise Loading
- 413-100-506 2 Differential Phase and Gain
- 413-100-507 2 Differential Absolute Delay Equalization — Out-of-Service Procedure
- 413-100-508 4 Received Carrier Power
- 413-100-509 1 Carrier Frequency Measurements

413-4 TRANSMITTER-RECEIVER BAY**Description**

- 413-400-100 3 General Description
- 413-400-301 5 Turnoff and Turnon Procedures

Tests

- 413-400-500 5 General
- 413-400-501 4 Level Diagrams
- 413-400-502 5 IF Return Loss
- 413-400-510 1 RF Leakage
- 413-400-511 1 Impulse Noise Troubleshooting
- 413-400-512 2 Fade Margin
- 413-400-513 1 Cross-Polarization Test

Section Number	Issue	Subject
413-400-520	3	Bay Troubleshooting and Fast Return to Service
Common Equipment Tests		
413-402-501	8	In-Service Checks
413-402-502	5	Carrier Level
413-402-503	5	Alarms
413-402-520	9	Microwave Generator and 6-GHz Multiplier
Add 413-402-521	1	
413-402-521	2	Microwave Distribution Networks
Add 413-402-522	1	
413-402-522	4	Shift Oscillator and Shift Modulator
413-402-523	1	6-GHz RF Shifter Application
Receiver Tests		
Add 413-404-500	1	
413-404-500	7	Overall Transmission
413-404-501	2	J68387S IF Main Amplifier
Add 413-404-502	1	
413-404-502	1	Receiver Modulator — IF Preamplifier
413-404-504	4	AM Noise Figure
413-404-505	1	Testing and Replacing the 295A IF Switch
Transmitter Tests		
413-406-500	5	Overall Power Level
413-406-501	7	IF Limiter-Amplifier and Transmitter Modulator
413-406-502	2	RF Squelch Initiator
413-406-503	1	Testing and Replacing RF Switch and 337A Relay
413-406-520	8	464A and KS-21196 Traveling Wave Tube Amplifiers — Transmitter-Receiver Bay — Replacement and Turnon Procedure
413-406-521	5	J86886A, J87356A, and KS-21196 Traveling-Wave Tube Power Supplies
413-6 HOT STANDBY/SPACE DIVERSITY		
413-600-500	2	Overall Switching — General
413-600-501	2	Overall Switching — Tests
413-600-502	2	Testing and Replacement of the J68434B Pilot Detector
413-7 MAINTENANCE CENTER		
413-700-500	1	Transmitter-Receiver Bay Components — General
413-700-502	1	Transmitter-Receiver Bay Components — J68387S IF Main Amplifier

Section Number	Issue	Subject
413-700-506	1	Transmitter-Receiver Bay Components — J87279A —19 Volt, 4.0-Ampere Semiconductor Regulator
413-700-509	1	Transmitter-Receiver Bay Components — J86913F Alarm Circuit
413-700-510	1	Transmitter-Receiver Bay Components — J68913E Meter Panel
413-8 ANTENNA DUPLEXING		
413-802-302	1	Temporary Single Antenna Operation

DIVISION 415 — TD-3D MICROWAVE RADIO

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-1		Overall System
-2		Transmitter-Receiver Bays
-3		Transmitter-Receiver Bays
-4		Transmitter-Receiver Bays
-5		Transmitter-Receiver Bays
-6		Hot Standby/Space Diversity
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●	◆	415-000-000 52 Numerical Index Division 415 — TD-3D Microwave Radio
		415-001-011 7 ETL — TD-3D Radio
415-1 OVERALL SYSTEM		
Tests		
415-100-508	1	Received Carrier Power
415-100-509	1	Carrier Frequency Measurements
415-2 TRANSMITTER-RECEIVER BAYS		
415-200-100	5	J68386J, K, L, M, N, and P — Description — General
415-200-300	2	Turnon and Turnoff Procedures
415-200-303	1	Operation With Portable Microwave Repeater
415-200-500	1	Tests — General
415-200-501	4	Level Diagrams
415-3 TRANSMITTER-RECEIVER BAYS		
415-301-500	7	Overall Receiver Tests Using J68345A Test Set
415-301-501	6	Overall Transmitter Tests Using J68345A Test Set
415-301-502	8	Overall Repeater Tests Using J68345A Test Set

Section Number	Issue	Subject	Section Number	Issue	Subject
Common Equipment Tests			415-410-508	1	Receiver Space Diversity — Diversity Switch
415-310-500	4	J68387R-2 Microwave Generator	415-410-511	1	Impulse Noise Troubleshooting
415-310-501	1	J68387W 40-MHz Oscillator and Shift Modulator	415-410-512	3	Fade Margin Tests Using J68492A Test Set
415-310-502	2	Receiver Tests — Receiver Modulator — IF Preamplifier	415-410-513	1	Common Equipment Test Cross — Polarization Discrimination Test
Transmitter Tests			415-410-520	1	J68386J, K, L, M, N and P — Transmitter and Receiver Tests Using the J68392A Test Set IF Return-Loss Measurement
415-310-504	2	J68387U IF Driver Amplifier—Transmitter Modulator — Transmitter-Receiver Bays	415-410-521	1	J68386J, K, L, M, N, and P — Receiver Noise Figure Test Using the J68392A Test Set
415-310-505	1	Transmitter Amplifier	415-5 TRANSMITTER-RECEIVER BAYS		
415-310-506	1	27B or 28B Integrated Circuit Replacement	Overall Transmitter Tests		
415-310-507	2	Hot Standby or Hot Standby/Space Diversity — RF Switch Test and Replacement	● 415-501-500	7	J68386J, K, L, M, N, and P — Overall Receiver Tests Using the J68428A Test Set
415-310-508	1	Receiver Space Diversity — Diversity Switch	● 415-501-501	6	J68386J, K, L, M, N, and P — Overall Transmitter Tests Using the J68428A Test Set
415-310-511	1	Transmitter-Receiver Bays — Common Equipment Tests — Impulse Noise Troubleshooting	Common Equipment Tests		
415-310-512	2	Fade Margin Tests Using J68345A Test Set	415-510-500	4	J68386J, K, L, M, N, and P — Using the J68428A Test Set — J68387R-2 Microwave Generator
415-310-513	1	Transmitter-Receiver Bays — Common Equipment Tests — Cross-Polarization Discrimination Test	415-510-501	1	J68387W 40-MHz Oscillator and Shift Modulator
415-310-520	2	IF Return Loss Measurements	415-510-502	2	J68386J, K, L, M, N, and P — Using the J68428A Test Set — Receiver Modulator — IF Preamplifier
415-310-521	1	J68386J, K, L, M, N, and P — Receiver Noise Figure Test Using the J68345A Test Set	415-510-504	2	J68387U IF Driver Amplifier—Transmitter Modulator — Transmitter-Receiver Bays
415-4 TRANSMITTER-RECEIVER BAYS			415-510-505	1	Transmitter Amplifier
415-401-500	6	Overall Receiver Tests Using J68392A Test Set	415-510-506	1	J68386J, K, L, M, N, and P — Tests Using the J68428A Test Set — 27B or 28B Integrated Circuit Replacement
415-401-501	5	Overall Transmitter Tests Using J68392A Test Set	415-510-507	2	Hot Standby or Hot Standby/Space Diversity — RF Switch Test and Replacement
Common Equipment Tests			415-510-508	1	Receiver Space Diversity — Diversity Switch
415-410-500	4	J68387R-2 Microwave Generator	415-510-511	1	Transmitter-Receiver Bays — Common Equipment Tests — Impulse Noise Troubleshooting
415-410-501	1	J68387W 40-MHz Oscillator and Shift Modulator	415-510-512	2	Fade Margin Tests Using J68428A Test Set
415-410-502	2	Receiver Tests Using J68392A Test Set — Receiver Modulator — IF Preamplifier	415-510-513	1	Transmitter-Receiver Bays — Common Equipment Tests — Cross-Polarization Discrimination Test
415-410-504	2	J68387U IF Driver Amplifier—Transmitter Modulator — Transmitter-Receiver Bays	415-510-520	2	J68386J, K, L, M, N, and P Transmitter-Receiver Bays — Transmitter and Receiver Tests Using the J68428A Test Set — IF Return-Loss Measurement
415-410-505	1	Transmitter Amplifier	415-510-521	1	J68386J, K, L, M, N, and P — Receiver Noise Figure Test Using the J68428A Test Set
415-410-506	1	J68386J, K, L, M, N, and P — Tests Using the J68392A Test Set — 27B or 28B Integrated Circuit Replacement			
415-410-507	2	Hot Standby or Hot Standby/Space Diversity — RF Switch Test and Replacement			

Section Number	Issue	Subject
415-6 HOT STANDBY/SPACE DIVERSITY		
Overall Switching		
415-600-500	1	General
415-600-501	2	Tests
415-600-502	1	Testing and Replacement of the J68434B Pilot Detector
415-800 Antenna Arrangement		
415-802-302	1	Waveguide-Antenna System Restoration — General

DIVISION 416 — TN-1 MICROWAVE RADIO

- 416-0 Index and Equipment Test List
 - 1 End-to-End Baseband Protection Switching
 - 2 End-to-End IF Protection Switching
 - 3 Hot Standby/Space Diversity Systems
 - 5 Transmitter-Receiver Panel

416-0 INDEX AND EQUIPMENT TEST LIST

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		416-001-011	3	ETL — TN-1 Radio

416-1 END-TO-END BASEBAND PROTECTION SWITCHING

416-100-100	2	Description
416-100-301	1	System Operation — Initial Lineup of Channels
416-100-500	2	General Test Information
416-100-501	1	System Tests — Envelope Delay Distortion
416-100-502	1	System Tests — Channel Net Gain and Baseband Response
416-100-503	2	System Tests — Thermal Noise and Spurious Tones
416-100-504	1	Test Information — Noise Loading
416-100-505	1	System Tests — Differential Phase and Gain
416-100-506	2	System Tests — Receiver Input Power

416-2 END-TO-END IF PROTECTION SWITCHING

416-200-100	1	Description
416-200-301	1	System Operation — Initial Lineup of Channels
416-200-500	3	General System Tests
Add 416-200-501	1	
416-200-501	1	System Tests — Envelope Delay Distortion

Section Number	Issue	Subject
416-200-502	1	System Tests — Channel Net Gain and Baseband Response
416-200-503	1	System Tests — Thermal Noise and Spurious Tones
416-200-504	2	Test Information — Noise Loading
416-200-505	1	System Tests — Differential Phase and Gain
416-200-506	1	System Tests — Receiver Input Power

416-3 HOT STANDBY/SPACE DIVERSITY SYSTEMS

416-300-100	1	System Description
416-300-301	1	System Operation — Initial Lineup of Channels
416-300-302	1	Operation — J68434A Switch Control Unit
416-300-500	1	General Test Information
416-300-506	1	Receiver Input Power

416-5 TRANSMITTER-RECEIVER PANEL

Add 416-500-100	1	
416-500-100	1	Description
416-500-301	1	Operation — Turnon and Turnoff Procedures
416-500-500	1	Tests — General
416-500-501	1	Tests — Level Diagrams
416-500-502	3	Tests — In-Service Checks
416-500-504	2	Alarm and Meter Panel Test
416-500-505	1	Tests — IF Return Loss
416-510-500	3	Receiver Tests — Overall Transmission
416-510-501	1	Receiver Tests — Receiver Modulator — IF Preamplifier
Add 416-510-502	1	
416-510-502	1	Receiver Tests — IF Main Amplifier
416-510-503	4	Receiver Tests — Local Oscillator
416-510-504	2	Receiver Tests — AM Noise Figure
416-510-505	1	Receiver Test — Testing and Replacing 295A IF Switch and 295D Baseband Switch
Add 416-520-500	1	
416-520-500	3	Transmitter Tests — Overall Power Level
416-520-501	1	Transmitter Tests — IF Limiter-Driver Amplifier/Transmitter Modulator
416-520-502	2	Transmitter Tests — Transmitter Amplifier System
416-520-503	4	Transmitter Tests — Local Oscillator
416-520-504	1	Transmitter Tests — Testing and Replacing RF Switch and 337A Relay

Section Number	Issue	Subject
● 416-520-505	1	TN-1A Transmitter — Transmitter Adjustments

DIVISION 417 — 3A-RADIO DIGITAL SYSTEMS

417-0 Index
-1 3A-RDS

417-0 INDEX

● ♣ 417-000-000	19	Numerical Index — Division 417 — 3A-Radio Digital Systems
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417-1 3A-RDS

417-001-011	3	ETL — Microwave Radio
417-100-100	1	System Description
417-100-301	2	System — Initial Lineup
417-100-500	1	System — General Maintenance
417-100-501	3	System — Tests
417-101-100	1	Radio Line Terminating Frame — Description
417-101-301	2	Radio Line Terminating Frame — Initial Lineup or Channel Addition
417-101-500	2	Radio Line Terminating Frame — General Maintenance
417-101-501	2	Radio Line Terminating Frame — Tests
417-102-100	1	1X1 Radio Line Terminating Arrangement — Description
417-102-301	2	Radio Line Terminating Arrangement — Initial Lineup
417-102-500	2	Radio Line Terminating Arrangement — General Maintenance
417-102-501	2	Radio Line Terminating Arrangement — Tests
417-103-100	1	Radio Digital Terminal — Description
417-103-101	1	Performance Monitor — Description
417-103-102	1	Auxiliary Channel Equipment — Service Channel Patch and Access Panel (SCRAP) — Description
417-103-301	2	3A Radio Digital Terminal — Initial Lineup
417-103-500	2	3A Radio Digital Terminal — General Maintenance
417-103-501	2	3A Radio Digital Terminal — Tests
417-104-100	1	3A Radio Digital Terminal Regenerator — Description
417-104-301	2	3A Radio Digital Terminal (3A-RDT) Regenerator — Initial Lineup

Section Number	Issue	Subject
417-104-500	2	3A Radio Digital Terminal (3A-RDT) Regenerator — General Maintenance
417-104-501	2	3A Radio Digital Terminal (3A-RDT) Regenerator — Tests
Add 417-105-100	1	
417-105-100	1	Portable Test Terminal — Description, Operation, and Tests
417-106-100	1	Auxiliary Channel Equipment — Descriptions
417-106-301	2	Auxiliary Channel Equipment — Terminal and Multiplex Equipment — Initial Lineup
417-106-500	2	Auxiliary Channel Equipment — Terminal and Multiplex Equipment — General Maintenance
417-106-501	2	Auxiliary Channel Equipment — Terminal and Multiplex Equipment — Tests

DIVISION 419 — SINGLE SIDEBAND MICROWAVE RADIO SYSTEM

419-0 Index and ETL
-1 Overall System
-2 500A Protection Switching System
-3 Transmitter-Receiver Bay and Support Bay

419-0 INDEX AND ETL

● ♣ 419-000-000	8	Numerical Index — Division 419 — Single Sideband Microwave Radio System
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419-001-011 1 AR 6A SSB Radio

419-1 OVERALL SYSTEM

419-100-100 1 Description

▲ ♣ 419-100-500	1	Overall System — AR 6A Single Sideband Radio System
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419-2 500A PROTECTION SWITCHING SYSTEM

419-200-100 1 Description

419-200-101 1 501A Protection Switching System — Description — AR 6A Single-Sideband Radio System

▲ ♣ 419-200-500	1	AR 6A Single Sideband Radio System
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419-3 TRANSMITTER-RECEIVER BAY AND SUPPORT BAY

419-300-100 1 AR 6A — Description

▲ ♣ 419-300-500	1	AR 6A Single Sideband Radio System
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DIVISION 420 — MICROWAVE RADIO — COMMON EQUIPMENT

420-0 Index and Equipment Test List
-2 FM Terminals

Section Number Issue Subject

- 3 Auxiliary Systems
- 5 Portable Microwave Repeater
- 6 Switching
- 7 Maintenance Center
- 8 Ancillary Equipment

420-0 INDEX AND EQUIPMENT TEST LIST

◆	◆ 420-000-000	19	Numerical Index — Division 402 — Microwave Radio — Common Equipment
	420-001-011	10	ETL — FM Terminals
	420-001-012	1	Auxiliary Systems
	420-001-013	1	Protection Switching

420-2 FM TERMINALS

420-210 3A FM Transmitter

Description

Add	420-210-100	1	
	420-210-100	1	Description
	420-210-301	1	Placement In and Removal From Service
Tests			
	420-210-500	2	General
	420-210-501	2	In-Service Checks
	420-210-502	4	IF and Oscillator Rest Frequencies
	420-210-503	2	Square-Wave Response
	420-210-504	2	IF Output and Frequency Response
	420-210-505	2	Linearity
Add	420-210-506	1	
	420-210-506	2	Deviation Sensitivity
	420-210-507	2	Frequency Response and Monitor Gain Adjustments
	420-210-508	2	Alarm Circuit Adjustments
	420-210-509	1	Fluctuation Noise and Spurious Tone Measurements
	420-210-510	1	Oven Temperature Control Circuit — Performance Checks
	420-210-511	1	Control Unit — Performance Checks
	420-210-512	1	-20 Volt Regulator — Performance Checks

420-211 3A FM Receiver

Description

	420-211-100	1	Description
	420-211-301	1	Placement In and Removal From Service

Section Number Issue Subject

Tests

	420-211-500	2	General
	420-211-501	1	In-Service Checks
	420-211-502	1	Square-Wave Response
Add	420-211-503	1	
	420-211-503	2	Gain, Frequency Response, Limiting Action, and Alarm Circuit Adjustments
	420-211-504	2	Linearity
	420-211-505	2	Fluctuation Noise and Spurious Tone Measurements
	420-211-506	1	Alarm Relays — Performance Checks

420-213 4-Type FM Terminals

	420-213-500	2	Description and Maintenance — J68418C Portable Housing
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420-214 4-Type FM Transmitter

Description

Add	420-214-100	1	
	420-214-100	2	Description
	420-214-301	3	Placement In and Removal From Service

Tests

	420-214-500	2	General
	420-214-501	3	In-Service Checks
Add	420-214-502	1	
	420-214-502	3	Rest Frequency, Output Level, and Deviation Sensitivity
	420-214-503	3	IF Flatness, Linearity, and Delay
	420-214-504	3	Tests—Baseband Gain-Frequency Response
	420-214-505	3	Fluctuation Noise and Spurious Tone Measurements
	420-214-506	3	Square-Wave Response

420-215 4-Type FM Receiver

	420-215-100	2	Description
	420-215-301	2	Placement In and Removal From Service

Tests

	420-215-500	3	General
	420-215-501	2	In-Service Checks
	420-215-502	4	FM Terminal — Square-Wave Response Test
	420-215-503	3	Gain, Frequency Response, and Limiting Action
	420-215-504	4	Linearity

Section Number	Issue	Subject	Section Number	Issue	Subject
420-215-505	4	Fluctuation Noise and Spurious Tone Measurements	420-3 AUXILIARY SYSTEMS		
420-216 5A FM Terminal BB Modem			420-300) J68422 Frequency Diplexed Auxiliary Channel 420-304)		
420-216-100	1	Description	Description		
420-216-301	1	Placement In and Removal From Service	420-300-100	1	Overall System
420-216-500	1	Tests — General	420-300-101	1	J68422C Modulating/Demodulating Panel
420-216-501	2	In-Service Tests	420-300-102	1	J68422E — 19 Volt Regulator, 263A Amplifier, and 1030A Filter Panel
420-216-502	1	J68418F — Rest Frequency, Output Level, and Deviation Sensitivity	420-300-103	1	16A Modulator
Add 420-216-503	1		420-300-104	1	Farinon Multiplex Service Channel
420-216-503	1	J68418F — Transmitter — IF Flatness, Linearity, and Delay	420-300-106	2	Auxiliary Channel Switching
420-216-504	1	J68418F — Receiver Linearity and Delay	Tests		
420-216-505	2	Gain, Frequency Response, and Limiting Action	420-300-500	1	General Test Information and Level Diagrams
420-216-506	2	Fluctuation Noise and Spurious Tone Measurements	420-300-501	2	Service Channel Tests — Terminals
420-216-507	1	Square-Wave Response	420-300-502	1	Service Channel Tests — Repeaters
420-216-508	1	Pilot Detector Tests	420-301 Auxiliary Channel Switching System		
420-216-509	1	J68418F — Linearity and Delay Tests	Operation		
420-217 5A FM Terminal IF Deviation Shifter			420-301-300	1	Operation
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463-350-105	4	Voice Connecting Arrangement CD6	463-382-103	1	Connecting Arrangement CTH — J53050K Connecting Unit
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463-350-106	5	Protective Connecting Arrangements CD9, CD8, CD7 and Connecting Arrangement CBF	463-382-104	1	Connecting Arrangement KTX
Add 463-350-107	1		Add 463-382-105	2	
463-350-107	5	Protective Connecting Arrangement CBD	463-382-105	1	Voice Connecting Arrangement — TSZ1 and TSPXY
Add 463-350-108	1		Add 463-390-100	1	
463-350-108	3	Voice Connecting Arrangement CET	463-390-100	1	PICTUREPHONE® Connecting Arrangement PVF — 114A
Add 463-350-109	1		463-4 REGISTRATION INTERFACES		
463-350-109	3	Protective Connecting Arrangement C22	463-400-100	5	Selection and General Information
Add 463-350-110	1		463-400-110	2	Adapter Arrangements — RJA1X, RJA2X, and RJA3X
463-350-110	2	Protective Connecting Arrangement TAS	463-400-120	4	RJ11C, RJ11W, RJ12C, RJ12W, RJ13C, RJ13W, RJ17C, RJ18C, RJ19C and RJ1DC — Bridged Single Line Tip and Ring Arrangements
463-360-100	4	Voice Connecting Arrangements CDQ4X and CDQ4W or Facilities Interfaces 31-TT-MB and 32-TT-MB	463-400-121	2	Bridged Single Line Weatherproof — Tip and Ring Arrangements — RJ15C
463-360-101	4	Voice Connecting Arrangements CDQ2W and CDQ2X — Identification, Installation, Operation, Maintenance, and Connections	Add 463-400-130	1	
Add 463-360-102	1		463-400-130	4	Uniform Service Order Codes (USOCs) RJ16X, RJ31X, RJ32X, RJ33X, RJ34X, RJ35X, RJ36X, RJ37X, and RJ38X — Identification and Maintenance Series Single Line Tip and Ring Arrangements
463-360-102	2	Voice Connecting Arrangement C234W	463-400-140	3	Uniform Service Order Codes (USOCs) RJ14C and RJ14W Identification and Maintenance Bridged 2-Line Tip and Ring Arrangements
Add 463-360-103	1		463-400-141	5	RJ21X, RJ22X, RJ23X, RJ24X, RJ2DX, RJ2EX, RJ2FX, RJ2GX, RJ2HX, and RJ2MB— Identification and Maintenance — Bridged Multiple Tip and Ring Arrangements — Registration Interface
463-360-103	2	Voice Connecting Arrangement C232W	463-400-142	2	RJ25C — Identification and Maintenance — Registration Interface Bridged 3-Line Tip and Ring Arrangements
463-361-100	1	119A Interconnecting Unit — Identification, Installation, Connections, Operation, and Maintenance	463-400-143	1	RJ61X — Identification, Installation, and Maintenance — Bridged 4-Line Tip and Ring Arrangement
463-370-101	4	Voice Connecting Arrangements C24 and C2H or Facility Interface 31-TT-EG — Identification, Installation, Operation, Maintenance, and Connections	463-400-150	3	RJ71C — Series Multiple Tip and Ring Arrangements — Installation, Connections, and Maintenance
463-370-102	2	Voice Connecting Arrangements C27 and C2K or Facility Interface 11-TT-EG — Identification, Installation, Operation, Maintenance, and Connections			
463-380-100	3	Voice Connecting Arrangement CEK — J53050E Interconnecting Unit			
Add 463-380-101	1				
463-380-101	1	Connecting Arrangement C25 — 118A Interconnecting Unit			
Add 463-380-102	1				
463-380-102	1	Connecting Arrangement C1Y — J92614E-1 Interface Unit			
Add 463-382-100	1				
463-382-100	5	Protective Connecting Arrangements C1V, RCX, and GC2			

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473-218-665	1	Central Office Trunk Circuits — SD-99362-01 and SD-98051-01 — Operation Tests
473-219-300	1	Industrial Reporting System — Method of Operation
473-219-500	1	Industrial Reporting System — Circuit Tests

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473-228-110	1	Emergency Reporting Lines — Arrangements for Terminating — Manual PBX
473-228-540	3	Key Ended Lines — (Terminated in Turret) — Operation Tests
473-228-541	3	Jack Ended Lines — (Separate from PBX) — Operation Tests
473-228-543	2	Jack Ended Lines — Operation Tests — 551A, 551B, 551D, 552A, 552B, 552D, 552E, 555, 604C, and 605A PBX

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473-310-100	4	Public Emergency Reporting Systems — Identification, Installation, Connections, and Maintenance
473-310-101	1	8A Key Telephone System for Use at 911 Emergency Reporting/Answering Bureaus — Identification
473-310-102	1	8A Key Telephone System for Use at 911 Emergency Reporting/Answering Bureaus — Trouble Locating
473-310-103	1	8A Key Telephone System for Use at 911 Emergency Reporting/Answering Bureaus — CALL DIRECTOR® Telephone Set — Method of Operation
473-310-110	1	8A Key Telephone System for Use at 911 Emergency Reporting/Answering Bureaus — Installation and Connections

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473-311-100	2	1A — System Description
473-311-300	2	1A — Preinstallation and Planning Information

473-4 CUSTOMER TRAINING EQUIPMENT

473-401-100	1	KS-21102 Business Phone Trainer — Description and Maintenance
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473-401-101	1	KS-21564 Business Phone Trainer — Description and Maintenance
Add 473-410-100	1	
473-410-100	1	KS-16161 Teletrainer
473-411-100	4	KS-16605 Teletrainer — Description and Maintenance
473-411-101	1	KS-21764 Teletrainer — Description, Operation, and Maintenance

473-5 TELEPHONE ANSWERING SYSTEMS — SECTIONS COMMON TO CUSTOMER AND CENTRAL OFFICE EQUIPMENT

♥ 473-500-001	1	Business Services Engineering — Concentrator-Identifier
473-500-101	1	KS-21056 Test Set (SD-99608-01) — Used With Line Concentrator-Identifier Systems — Description, Calibration, and Operation
473-500-501	1	Tone Signaling Circuit SD-99556-01 (J59202) — Used With Line Concentrator-Identifier Systems — Tests and Adjustments
Add 473-501-201	1	
473-501-201	3	Line Concentrator-Identifier System — Applied to Telephone Secretarial Service — Tests and Inspections at Time of Installation
473-501-202	1	Line Concentrator-Identifier (J93021) — Used With Electromechanical Central Offices — Tests and Inspections at Time of Installation Using Test Set KS-21056
Add 473-501-501	2	
473-501-501	3	Line Concentrator-Identifier System — Applied to Telephone Secretarial Answering Service — Circuit Tests and Trouble Analysis
473-501-502	1	Line Concentrator-Identifier (J93021) — Used With Electromechanical Central Offices — Circuit Tests and Trouble Analysis Using Test Set KS-21056
473-503-100	2	Occasional Service System (J99317) for Use With Telephone Answering Systems — Description and Operation Information
Add 473-505-201	1	
♥ 473-505-201	2	Line Concentrator (J93022)-Identifier (J93021) — For Use With No. 1 Electronic Switching System (No. 1 ESS) — Tests and Inspections at Time of Installation
473-505-202	1	Line Concentrator (J93022)-Identifier (J93021) — Used With No. 1 and No. 2 Electronic Switching Systems — Tests and Inspections at Time of Installation Using Test Set KS-21056
Add 473-505-501	2	
473-505-501	2	Line Concentrator (J93022)-Identifier (J93021) — For Use With No. 1 Electronic Switching System (No. 1 ESS) — Circuit Tests and Trouble Analysis
473-505-502	1	Line Concentrator (J93022)-Identifier (J93021) — Used With No. 1 and No. 2 Electronic Switching Systems — Circuit Tests and Trouble Analysis Using Test Set KS-21056
473-506-010	1	"AUTOTAS*" Call Distribution System — Traffic Engineering Practice
<i>*Registered trademark of Candela Electronics, Incorporated</i>		
473-510-010	1	Candela Electronics TC-300DMS Central Office Concentrator — Installation Instructions

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473-510-011	1	Candela Electronics TC-300DMS Central Office Concentrator — Acceptance Test Procedures	473-615-011	1	"AUTOTAS*" Call Distribution System — Acceptance Test Procedure <i>*Registered trademark of Candela Electronics, Incorporated</i>
473-510-012	1	Candela Electronics TC-300DMS Central Office Concentrator — Maintenance Procedures	473-615-012	1	"AUTOTAS*" Call Distribution System — Maintenance Procedures <i>*Registered trademark of Candela Electronics, Incorporated</i>
• 473-510-013	1	Candela Electronics Client Control Circuit — Installation, Acceptance, Maintenance Procedures	473-615-020	1	"AUTOTAS*" Call Distribution System — Management Terminal — Installation/Maintenance/Acceptance <i>*Registered trademark of Candela Electronics, Incorporated</i>
473-6 TELEPHONE ANSWERING SYSTEMS — SECTIONS COVERING CUSTOMER EQUIPMENT			473-615-021	1	"AUTOTAS*" Call Distribution System — Management Terminal — Operating Instructions <i>*Registered trademark of Candela Electronics, Incorporated</i>
♥ 473-600-001	1	Business Services Engineering — General	473-615-030	1	"AUTOTAS*" Call Distribution System — Patcher — Installation Instructions <i>*Registered trademark of Candela Electronics, Incorporated</i>
♥ 473-600-002	1	Business Services Engineering — 554 Secretarial PBX	473-615-031	1	"AUTOTAS*" Call Distribution System — Operator Console and Patcher Operation <i>*Registered trademark of Candela Electronics, Incorporated</i>
♥ 473-601-001	1	Business Services Engineering — 557A PBX	473-615-040	1	Call Diverter Installation — Acceptance Test Procedure — "AUTOTAS*" Call Distribution System <i>*Registered trademark of Candela Electronics, Incorporated.</i>
473-601-201	2	557A PBX—Identification, Installation, and Connections — Telephone Secretarial Service	473-615-050	1	Uninterruptible Power System — Installation/Acceptance/Maintenance Procedures — "AUTOTAS*" Call Distribution System <i>*Registered trademark of Candela Electronics, Incorporated</i>
473-601-210	1	Tests and Inspections at Time of Installation — 557A PBX	Add 473-675-201	1	
473-601-501	1	Circuit Tests for Secretarial Answering Service — 557A PBX	473-675-201	1	100A Telephone Answering System — Identification, Installation, Operation, Connections and Maintenance
♥ 473-602-001	1	Business Services Engineering — 557B PBX	473-7 TELEPHONE ANSWERING SYSTEMS — SECTIONS COVERING CENTRAL OFFICE EQUIPMENT		
473-602-201	4	557B PBX — Identification, Installation, Connections — Telephone Secretarial Service	473-703-501	1	Occasional Service Circuit — SD-96605-01 and SD-96606-01 — for Telephone Answering Systems — Operation Tests (Performed at Central Office)
473-602-210	2	Tests and Inspections at Time of Installation for Secretarial Answering Service — 557B PBX			
473-602-501	2	Circuit Tests for Secretarial Answering Service — 557B PBX			
473-607-501	1	Occasional Service Circuit — SD-96605-01 and SD-96606-01 — for Telephone Answering Systems — Operation Tests (Performed at Telephone Answering Bureau)			
473-609-201	3	Equipment Cabinets — Identification, Installation, Service Options, and Connections — 1A Telephone Answering System			
473-609-210	3	Attendant Console — Identification, Installation, and Connections — 1A Telephone Answering System			
473-609-301	1	Attendant Equipment — Method of Operation — 1A Telephone Answering System			
473-609-501	2	Operation Tests — 1A Telephone Answering System			
473-615-000	1	"AUTOTAS*" Call Distribution System — Description and Operation <i>*Registered trademark of Candela Electronics, Incorporated</i>			
473-615-010	1	"AUTOTAS*" Call Distribution System — Installation Instructions <i>*Registered trademark of Candela Electronics, Incorporated</i>			
			<hr/> DIVISION 475 — CALL DISTRIBUTING SYSTEM NO. 1S, INFORMATION DESKS, AND ORDER TURRETS — CUSTOMER EQUIPMENT <hr/>		
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			-1 No. 1S Automatic Call Distributing System		
			-2 No. 1, 2, 2A and 4 Order Turrets		
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• ♠	475-000-000	7	Numerical Index — Division 475 — Call Distributing System No. 1S, Information Desks, and Order Turrets — Customer Equipment		

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475-200-200	1	Order Turret — No. 1 — Installation
475-200-300	1	Order Turret — No. 1 — Tests and Adjustments
475-200-800	1	Order Turret — No. 1 — Supplies
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475-300-110	1	General Description
475-300-310	1	Alarms — Method of Tracing
475-300-320	1	Method of Taking Equipment Out of Service
475-300-505	1	Allotter Circuit and Associated Alarm and Registers — Tests and Inspections
475-300-507	1	Attendant Telephone and Trunk Circuits — Operation Tests
475-300-520	1	Calls Waiting Signal and Register Circuit — Tests and Inspections
475-300-655	1	Start Circuit and Associated Alarm Circuit — Tests and Inspections
475-300-665	1	Incoming Trunks — Incoming Trunk Selector Control Circuit — Operation Tests
475-6 NO. 6A ORDER TURRET		
475-600-310	2	Alarms — Method of Tracing
475-600-500	2	Alarm and Common Group Circuits — Tests and Inspections
475-600-507	2	Attendant Trunk and Position Circuits — Operation Tests — PBX Information Desk
475-600-664	1	Night Service Trunk Circuit SD-5E036-01 — Operation Test
475-600-665	2	Trunk Finders — Operation Tests
475-600-666	2	Incoming Trunks — Operation Tests — PBX Information Desk
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DIVISION 476 — FORCE ADMINISTRATION DATA SYSTEM (FADS) — AUTOMATIC CALL DISTRIBUTING SYSTEMS (ACD) — NO. 2A, 2B, AND 3A, AND — CALL DISTRIBUTING SYSTEM NO. 4A — CUSTOMER EQUIPMENT		
476-0 Indexes and Equipment Test Lists		
	-1	Equipment Common to ACDs
	-2	2-Type ACD
	-3	No. 3A ACD
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	-6	General Trade Products — ACD
476-0 INDEXES AND GENERAL TEST LISTS		
● ♦	476-000-000	88 Numerical Index — Division 476 — Force Administration Data System (FADS) — Automatic Call Distributing Systems (ACD) — No. 2A, 2B, and 3A, and Call Distributing System No. 4A — Customer Equipment
	476-001-011	5 ETL — No. 2A ACD
	476-001-013	5 ETL — No. 3A ACD
476-1 EQUIPMENT COMMON TO ACDs		
♥	476-100-002	1 Business Services Engineering — CCS Capacity Tables
♥	476-100-003	1 Business Services Engineering — Design Consideration
♥	476-100-004	1 Business Services Engineering — Force Administration Data System (FADS)
	476-100-101	1 KS-21055 NATIS Test Set — Used With Automatic Call Distributing Systems — Description, Installation, Tests, and Maintenance
	476-100-104	1 3B Traffic Usage Recorder — Description, Installation, Connections, Tests, Trouble Location
	476-100-106	1 KS-15947 Totalizer Circuit SD-95965-01 — Description — Installation — Tests
	476-100-501	1 Trunk Identification Control Circuit J53131W — Operations Test
	476-100-600	1 Centralized Attendant Service — Business Services Traffic Engineering
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	476-121-100	2 Business Office Force Administration Data System (BOFADS) Using Pollable Data Terminal (PDT) No. 2A — Description and Operation
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476-270-301	1	Trouble Locating Information	476-321-501	3	Announcement Trunk Circuit SD-65979-01 — Operation Tests — Using Test Set SD-65983-01 (J53131AG) — 3A Automatic Call Distributing System
476-270-302	2	Consoles — Method of Operation (For Large 2B ACD Attendant Application)	476-323-501	4	Incoming Trunk Circuits SD-65961-01 and SD-65978-01 — Operation Tests
476-270-303	1	Telephone Sets — Method of Operation (For Small 2B ACD Attendant Application)	476-324-501	1	Incoming Trunk Group Peg Count Totalizer SD-65981-01 — 3A Automatic Call Distributing System — Operation Test
476-270-501	1	Tests and Inspection at Time of Installation	476-325-501	3	Attendant Trunk Circuit SD-65964-01 and Night Service Trunk Circuit SD-65967-01 — Operation Tests — 3A Automatic Call Distributing System
476-270-503	2	Acceptance and Operation Tests Using J53131AG I3 Test Set	476-328-501	3	Transfer Trunk Circuit SD-65970-01 — Operation Tests
476-270-505	1	Transmission Tests — 2B	476-328-502	1	Transfer Trunk (SD-65976-01) — Operation Tests
476-271-301	1	Consoles — Method of Operation — Centralized Attendant Service	476-330-501	1	Trunks — Operation Tests From Selector Levels — Using Dial Hand Test Set
476-3 NO. 3A ACD			476-332-501	3	Auxiliary Incoming Trunk Circuit SD-1E070-01, Auxiliary Trunk Circuit SD-65972-01, and Attendant Line Circuit SD-65977-01 — Operation Tests
♥ 476-303-001	1	Business Services Engineering	476-335-501	3	Traffic Registers — Operation Tests
♥ 476-303-002	1	Business Services Engineering — Split Gate-Interflow Arrangement	476-337-501	2	Load Balancing and Overflow Common Control Circuit SD-5E022-01 — Operation Tests
♥ 476-303-003	1	Business Services Engineering — Automatic Overflow Arrangement	476-338-501	2	Overflow Control Circuit SD-5E026-01 — Operation Tests — 3A Automatic Call Distributing System
Add 476-303-410	1		476-339-501	3	Overflow Trunk Circuit SD-5E032-01 — Operation Tests — Using Test Set SD-65983-01 (J53131AG)
476-303-410	1	Attendant Telephone Position — 10- or 11-Type Telephone Consoles and 12- or 14-Type Apparatus Unit — Method of Connecting	476-344-501	2	Force Administrative Data System (FADS) — 3A Automatic Call Distributing System — Operation Tests
476-303-412	1	12B-Type Telephone Console — Connections	476-344-502	1	Transmission Tests — Maintenance
476-305-501	3	Alarms — Operation Tests			
476-305-502	1	Alarms — (SD-5E049-01) — Operation Tests			
476-307-501	3	Attendant Telephone Position — Operation Tests — Using Test Set SD-65983-01 (J53131AG)			
476-309-501	3	Supervisor Telephone Position — Operation Tests			
476-312-501	2	Finder Circuits 8-Wire — SD-65962-01 and SD-65975-01 — Operation Tests — Using Test Circuit SD-65963-01 and SD-5E049-01 or SD-65966-01 and SD-5E049-01			
476-313-501	2	Split Gate Finder Circuit SD-5E035-01 and Split Gate Group Circuit SD-5E050-01 — Operation Tests Using Test Set SD-65983-01 (J53131AG)			
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476-314-502	1	Selectors — Rotary — Cut-In and Release Tests Using Dial Hand Test Set 3A Automatic Call Distributing System			
476-319-501	3	Delayed Answer Announcement Circuit SD-65971-01 — Operation Tests — Using Test Set SD-65983-01 (J53131AG)			
					Telephone Company Business Office Force Administration Data System
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♥ 476-600-001	1	Collins "Galaxy" ACD
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478-0 INDEXES AND GENERAL INFORMATION		
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478-100-101	1	Preinstallation Planning
♠ 478-100-102	1	Administration
● 478-100-103	2	Growth and Rearrangements (Service Manual)
● 478-100-104	2	Installation
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DIVISION 480 — PRIVATE SERVICE SYSTEMS — CUSTOMER EQUIPMENT

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-1 Crash Alarm and Command Conference Systems		
-2 Civil Defense Warning System (CDW) — Station Equipment		
-3 Group Alerting System — Station Apparatus; 1A Telephone Warning System; 10A Alerting System; 11A Alerting System and KS-19557 Detector		
-5 SAGE Systems — 112A Key Equipment and SAC Main Operating Base Turret		
-6 Private Line Terminations and Selective Signaling Systems		
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-8 PBX Access — AUTOVON		
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480-010-100	2	4-Wire Private Line Circuit — Powered From Central Office SD-69902-01 — Identification, Connections, and Tests
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480-139-110	1	General Description
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480-139-501	2	Crash Alarm Circuits — Arranged for Continuous Test of Station Lines — Operation Tests — 701A or 711A PBX
480-139-520	2	Command Conference Circuits — Operation Tests — 605A, 701A, and 711A PBX
480-2 CIVIL DEFENSE WARNING SYSTEM (CDW) — STATION EQUIPMENT		
480-210-100	6	Identification
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480-310 Group Alerting System — Station Apparatus		
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480-315 1A Telephone Warning System		
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480-510-100	4	Description of Equipment Arrangements	480-622-200	3	SS-1A — Identification, Installation, Connections, Service Options — Private Line Telephone Service
480-510-105	1	Conference Circuit SD-69490-01 and Alternate Termination Transfer Circuit SD-69492-01 — Description of Operation	480-622-501	2	SS-1A — Overall Tests — Private Line Telephone Service
Add 480-510-106	1	Addressable Data Station Switching — Circuit SD-1G244-01, and Site Control Circuit SD-1G246-01 — Identification, Operation, Maintenance	480-622-502	2	SS-1A — Decoder and Keyer — Detailed Tests — Private Line Telephone Service
480-510-106	1		480-623-001	4	SS-4 — With or Without Off-Network Access — Identification, Installation, and Connections — 4-Wire Private Line Telephone Service
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480-615 4-Wire Private Line Terminating Circuit, SD-69566-01			480-710-001	1	No. 300 — Business Services Engineering
480-615-100	4	Identification, Installation, Connections, Lineup Procedures	480-710-100	4	No. 300 — Position Equipment Identification
480-616 4-Wire Private Line Terminating Circuit, SD-69449-01			Add 480-710-301	1	No. 300 — Method of Operation
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480-617 4-Wire Private Line Terminating Circuit SD-1G297-01			480-710-400	3	No. 300 — Sequence Charts and Operational Sketches — Land Line Operation
480-617-100	4	Identification, Installation, and Connections	480-710-401	1	No. 300 — Sequence Charts and Operational Sketches — Radio Line Operation
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‡Registered trademark of Sony Corp. of America

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<i>*Trademark of AT&T Technologies</i>				502-415-100	6 Explosive Atmospheres — General Requirements
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502-531-407	5	555B, 555BM, and 555BMP	502-541-416	8	Service 565LK, 565LKM, and 565LKMS Telephone Sets — Connections
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502-531-410	5	558F and 558FM	502-541-423	1	568HF and 568HR
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502-533-401	5	Service — 2502B, 2502BM, and 2502BMG — Connections	502-542-406	1	568HT and 1568HT
502-533-402	6	Service — 2510F, 2510FM, and 2510FMG — Connections	502-543 2500 Series		
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502-580-430	1	536 A/B
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502-580-436	3	529B and 529BM
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502-580-438	8	Service — 526A/B and 526AM/BM — Connections

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502-581 1500 Series

502-581-400	2	1500M
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502-582 2500 Series

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Add 502-582-415	2	
502-582-415	7	2526B, 2526BM, and 2526BMG Telephone Sets — Connections

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502-600-100	4	630-, 1630-, and 2630-Series — Common Installation and Maintenance
502-600-102	2	660, 1660, and 2660

502-60 Reference Practices

502-601 600 Series Call Director® Sets and Card Dialers

502-601-100	6	630, 631, and 632-Type
502-601-101	8	608-, 618-, 634-, 635-, 636-, 637-, 638-, 639-, 682-, and 683-Type Telephone Sets — Identification
502-601-102	2	609, 617, and 625-Type — Identification
502-601-120	3	660 and 663-Type
502-601-121	1	660A1M
502-601-130	3	661, 662, and 664-Type
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502-602 1600 Series Call Director Sets and Card Dialers

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502-603-101	8	2634-, 2635-, 2636-, 2637-, 2638-, 2639-, 2682-, and 2683-Type — Identification	502-611-402	1	1634 and 1635-Type
502-603-120	3	2660 and 2663-Type	502-611-403	1	1636 and 1637-Type
502-603-121	2	2660AIM	Add 502-611-404	1	
502-603-130	2	2662 and 2664-Type	502-611-404	1	1638C and 1639D
502-603-131	2	2662AIM	502-612 2600 Series Call Directors		
502-61 Service Practices			502-612-400	3	2630D and 2631D
502-610 600 Series Call Directors			502-612-401	7	2630- and 2631-Type — Connections and Maintenance
502-610-400	1	608 and 618-Type	502-612-402	1	2632-Type
502-610-401	2	609-Type	502-612-403	2	2634D and 2635D
Add 502-610-402	1		502-612-404	1	2636 and 2637-Type
502-610-402	1	617-Type	Add 502-612-405	1	
502-610-403	1	621-Type	502-612-405	1	2638C and 2639D
502-610-404	1	622-Type	502-612-409	6	2634- and 2635-Type — Connections and Maintenance
502-610-405	1	625A1	502-612-410	7	Service — 2636- and 2637-Type Telephone Sets — Connections and Maintenance
502-610-406	2	630A, B, C, D, and 631A, B, C, D	502-612-411	5	2638- and 2639-Type — Connections and Maintenance
502-610-407	8	630DA, 630DAM, 630DAMS1, 631DA, 631DAM, and 631DAMS1 — Connections	502-612-425	6	2682- and 2683-Type — Connections and Maintenance
502-610-408	1	632-Type	502-617 600 Series Card Dialers		
Add 502-610-409	1		502-617-400	3	660-Type
502-610-409	2	634A, B, C, D and 635A, C, D	502-617-401	1	661-Type
502-610-410	2	636A, B, C and 637A, B, C, D	Add 502-617-402	1	
502-610-411	1	638 and 639-Type	502-617-402	2	662-Type
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502-650-100	2	1671A-Type — Identification, Installation, Operation, Maintenance, and Connections	502-706-103	1	1753-Type
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			• ♦ 503-401-210	1	7205H01A Multifunction Electronic Telephone Set (MFET) — Identification, Installation, Operation, and Maintenance
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• ♦ 503-401-310	1	7405D01A Multifunction Digital Telephone Set (MFDT) — Identification, Installation, Operation, and Maintenance	503-702-110	6	833- and 2833-Type — Identification, Installation, Connections, and Maintenance
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• ♦ 503-402-100IS	1	Z7303S01B Multifunction Analog Telephone Set (MFAT) — Identification, Installation, Operation, and Maintenance	DIVISION 504 — SELECTOR CONSOLES, TELEPHONE CONSOLES, AND APPARATUS UNITS		
• ♦ 503-402-110IS	1	Z7305S01B Multifunction Analog Telephone Set (MFAT) — Identification, Installation, Operation, and Maintenance	504-0 Indexes		
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♠ ♣ 506-410-402	3	1D/2D Type Coin Telephone Sets, Installation, Conversion, Maintenance, and Connections (DTF Only)
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- ♠ 510-000-000 7 Numerical Index — Division 510 — Station Sets and Coin Collectors — Local Battery and Magneto

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510-110-405	2	Subscriber Sets — 634YT — Local Battery — Connections	510-210-422	1	Coin Collectors — Postpay — 182C, D — Manual — Local Battery — Connections
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- 512-0 Indexes
 - 1 Automatic Dialers
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512-0 INDEXES

- ♣ 512-000-000 42 Index — Division 512 — Automatic Dialers, Station Keys, Key Equipment — Interphone Systems, Modular Units, and Speakerphone Systems

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512-120-102	2	F-56105 Telephone Set for Howard Johnson Motor Hotel Chain — Identification
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* Registered trademark of McGraw-Edison Co.		
512-125-100	2	KS-19594 Dialer Description and Operation
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512-126-100	1	F-56503 Type Telephone Set Using KS-19594 Dialer Identification, Operation, Installation, Connections, and Maintenance
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512-510-443	2	1A Home — 2558D Telephone Set — Connections and Maintenance	512-534-400	5	2A Communication System (Business Interphone)
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512-620-418	4	Speakerphone System — 3-Type — 558-, 1558-, and 2558-Type Telephone Sets — Connections and Maintenance	512-621-462	2	Speakerphone System — 3-Type — 1662-Type Telephone Set — Connections and Maintenance
512-620-420	4	Speakerphone Systems — 3-Type — 565-, 1565-, and 2565-Type Telephone Sets — Connections	512-622-460	2	Speakerphone System — 3-Type — 2660-Type Telephone Sets — Connections and Maintenance
512-620-426	3	Speakerphone System — 3-Type — 566-Type Telephone Sets — Connections	512-622-462	3	Speakerphone System — 3-Type — 2662-Type Telephone Set — Connections and Maintenance
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512-620-440	5	630-, 631-, 1630-, 1631-, 2630-, and 2631-Type Telephone Sets — Connections — Speakerphone System — 3-Type	512-630-110	1	50A Conference Set — Identification, Installation, Connections, Operation, and Maintenance
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512-620-462	3	Speakerphone System — 3-Type — 662-Type Telephone Set — Connections and Maintenance	512-700-100	5	4A Speakerphone Components — Identification, Installation, Operation, and Maintenance
512-620-471	2	Speakerphone System — 3-Type — 701B, 702B, 1702B, and 2702-Type Telephone Sets — Connections and Maintenance	512-710-400	3	Speakerphone System — 4A — 211PR Hand Telephone Set — Connections
512-620-474	3	Speakerphone System — 3-Type — 711B, 712B, 712BM, 1712B, 2712B, and 2712BM Telephone Sets — Connections and Maintenance	512-710-405	4	4A — 500S, 500SM, 2500S, and 2500SM Telephone Sets — Connections
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512-620-485	2	Speakerphone Systems — 3-Type — 830-, 831-, 2830-, and 2831-Type Telephone Sets — Connections and Maintenance	512-710-412	5	558D, 558F, 558FM, 2558D, and 2558DM Telephone Sets — Connections
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512-740-470	6	830-, 831-, 2830-, and 2831-Type Telephone Sets — Connections
512-740-471	4	832-, 833-, 2832-, and 2833-Type Telephone Sets — Connections
512-740-480	4	851- and 2851-Type Telephone Sets — Connections
512-740-481	2	852- and 2852-Type Telephone Sets — Connections
512-750-100	1	"TELEHELPER*" — Identification, Installation, Connection, Operation, and Maintenance

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DIVISION 514 — TELEPHONE ANSWERING AND ANNOUNCEMENT SETS AND SYSTEMS

- 514-0 Indexes
 - .1 Telephone Answering Sets, DC-AC Inverter, and Heater Base
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 - .6 Announcement Systems — Station Control Apparatus

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518-710-504	1	Dial Pulse Register Circuits — Operation Tests	♥ 529-205-100	2	500AB and 500ABM — Identification, Installation, and Maintenance
518-710-505	1	Busy-Tone Trunk — Operation Tests	♥ 529-205-110	1	597AR — Identification and Connections
518-710-506	1	Call Progress Indicator Set — Operating Methods	♥ 529-205-134	2	568HN, 568HS, and 568HSM
518-710-507	1	Touch-Tone Calling — Operation Tests	♥ 529-205-148	1	596E — Identification, Installation, Connections, and Maintenance
<hr/>			♥ 529-205-400	2	500AB and 500ABM — Connections
DIVISION 529 — STATION APPARATUS AND EQUIPMENT — INTENDED SOLELY FOR SPECIALLY-ENGINEERED LINES — NOT FOR GENERAL TELEPHONE USE			♥ 529-205-468	4	568HN, 568HS, and 568HSM — Connections
<hr/>			♥ 529-206-122	2	643A3 — Identification, Installation, and Maintenance
529-0 Index			♥ 529-206-140	3	680- and 681-Type — Identification, Installation, Connections, and Maintenance
-1 Telephone Set Components, Adjuncts, and Subscriber Sets			♥ 529-206-443	1	643A3 — Connections
-2 Telephone Sets			♥ 529-225-102	4	2504B and 2504BM — Identification, Installation, Connections, and Maintenance
-4 Consoles			♥ 529-225-125	2	2550 and 2551 Types — Identification, Installation, Connections, and Maintenance
529-0 INDEX			♥ 529-225-130	1	2554BF — Identification, Installation, Connections, and Maintenance
◆ 529-000-000	44	Numerical Index — Division 529 — Station Apparatus and Equipment — Intended Solely for Specially-Engineered Lines — Not for General Telephone Use	♥ 529-225-134	4	2568-Type Telephone Sets
529-1 TELEPHONE SET COMPONENTS, ADJUNCTS, AND SUBSCRIBER SETS			♥ 529-226-113	1	2626A1 — Identification, Installation, Operation, Connections, and Maintenance
♥ 529-100-110	3	Handsets — G10-Type	♥ 529-226-142	2	2684- and 2685-Type
♥ 529-110-106	1	Subscriber Sets — 696A — Identification			
♥ 529-110-107	1	Subscriber Sets — 697A — Identification			
♥ 529-110-406	1	Subscriber Sets — 696A — Connections			
♥ 529-110-407	1	Subscriber Sets — 697A — Connections			

Section Number	Issue	Subject
♥ 529-227-107	1	2714A — Identification, Installation, and Maintenance
♥ 529-227-414	1	2714A — Connections
♥ 529-235-102	2	3504B/C — Identification, Installation, Connections, and Maintenance
♥ 529-235-134	5	3568-Type Telephone Sets
♥ 529-236-120	6	3640- and 3641-Types Telephone Set — Identification, Installation, Connections, and Maintenance
Add 529-236-133	1	
♥ 529-236-133	2	3666A1-Type — Identification, Installation, Operation, Connections, and Maintenance

529-4 CONSOLES

♥ 529-401-105	1	Selector Consoles — 5A1 — Identification
♥ 529-401-405	1	Selector Console — 5A1 — Connections

DIVISION 533 — CUSTOMER PREMISES SYSTEMS — (CUSTOMER SERVICES PROVIDED BY ESS™ SWITCHES)

Layer Numbering Plan

- 533-0 Index, Common Practices
 - 1 Attendant Services
 - 2 ACD Services
 - 3 Hotel/Motel Services
 - 4 Emergency Reporting Services
 - 5 Network Control Services
 - 6 (Reserved)
 - 7 (Reserved)
 - 8 (Reserved)
 - 9 Miscellaneous Services

Key Numbering Plan

- 533-YYY-0 TOP
- 533-YYY-1 Descriptive Information
- 533-YYY-2 Identification Information
- 533-YYY-3 Preinstallation Information
- 533-YYY-4 Software Procedures
- 533-YYY-6 Business Services Engineering
- 533-YYY-7 Business Services Administration

533-0 INDEX, COMMON PRACTICES

● ♠ 533-000-000	36	Numerical Index — Division 533 — Customer Premises Systems (Customer Services Provided by ESS Switches)
533-000-001	19	Interdivisional Alphanumeric Index — ESS-Provided Services

Section Number	Issue	Subject
533-1 ATTENDANT SERVICES		
533-100-101	1	Attendant and Station Equipment — Method of Operation — 50A
♥ 533-100-601	1	Business Services — 50A — Traffic Engineering
▲ ♠ 533-101-000	2	50B Customer Premises System — Installation, Test, and Maintenance
533-101-100	2	50B — Theory of Operation and Descriptive Information
533-101-200	2	50B — Identification Information
533-101-300	2	50B — Preinstallation Information
533-110-100	1	51A — Installation and Connections for Centrex CO Service — No. 1 and No. 1A Electronic Switching Systems
533-110-101	1	51A — Attendant and Station Equipment — Method of Operation — No. 1 and No. 1A Electronic Switching Systems
533-110-102	1	51A — Attendant and Station Equipment — Method of Operations — No. 2 ESS
533-110-105	1	51A — Centrex Data Link and Console Demand Exercise — Fault Location Procedures — No. 2 Electronic Switching System (ESS)
533-110-106	1	51A — Centralized Attendant System — Method of Operation — No. 1 and No. 1A Electronic Switching System (ESS)
533-110-107	1	51A — Centrex Data Link and Console Demand Exercise — Fault Location Procedures — No. 1 and No. 1A Electronic Switching System (ESS)
533-110-108	1	51A — Console Control Cabinet — Trouble Locating Procedure — No. 1 and No. 2 Electronic Switching Systems
♥ 533-110-601	1	Business Services — 51A — Traffic Engineering

533-2 ACD SERVICES

533-200 Phase 1 ACD-ESS Customer Premises Equipment

533-200-100	1	60A CPS, 90A CPS, and 90B CPS — Descriptive Information and Theory of Operation
533-200-200	1	60A CPS, 90A CPS and 90B CPS — Identification Information
533-200-300	1	60A CPS, 90A CPS, and 90B CPS — Preinstallation Information
533-200-601	1	ACD-ESS — Phase I — Traffic Engineering

533-205 60B Customer Premises System

▲ ♠ 533-205-000	4	Installation, Test, and Maintenance
533-205-100	2	60B — Theory of Operation and Descriptive Information

Section Number	Issue	Subject	Section Number	Issue	Subject
533-205-200	3	Phase 2 — Identification Information	533-5 NETWORK CONTROL SERVICES		
533-205-300	3	Phase 2 ACD — Preinstallation Information	533-500-100	3	21A Customer Information System (CIS)/ Customer Network Control Center System (CNCCS) — Descriptive Information
533-205-600	1	ACD-ESS — Phase 2 — Traffic Measurements	533-500-101	2	21B Customer Information System (CIS)/ Customer Network Control Center System (CNCCS) — Descriptive Information
♥ 533-205-601	1	ACD-ESS — Phase 2 — Traffic Engineering	533-500-200	3	21A Customer Information System (CIS) — Identification Information — Customer Network Control Center System (CNCCS)
533-210 ACD-ESS Management Information System (AEMIS)			533-500-201	2	21B Customer Information System (CIS) — Identification Information — Customer Network Control Center System (CNCCS)
▲ ♣ 533-210-000	3	Installation, Test, and Maintenance	533-500-300	3	Customer Network Control Center System (CNCCS) — Preinstallation Information
533-210-100	3	Phase 2 — Descriptive Information	533-500-301	2	21B Customer Information System (CIS) — Preinstallation Information — Customer Network Control Center System (CNCCS)
533-210-200	3	Phase 2 — Identification Information	533-9 MISCELLANEOUS SERVICES		
533-210-300	3	Phase 2 — Preinstallation Information	533-900-100	1	91A — Description, Identification, Preinstallation, Installation, and Maintenance Information
533-210-601	2	Phase 2 — AEMIS Traffic Engineering	533-901-100	1	93A Customer Premises System — Description Information
533-211 ACD-ESS 12A Customer Information System (CIS)			533-901-200	1	93A Customer Premises System — Identification and Preinstallation Information
533-211-100	2	Phase 2 — Descriptive Information	<hr/>		
533-211-200	2	Phase 2 — Identification Information	DIVISION 534 — SECTIONS APPLYING TO MORE THAN ONE PBX SERIES — 500, 600, 700, AND 800 SERIES — MANUAL AND DIAL PBX		
533-211-300	2	Phase 2 — Preinstallation Information	<hr/>		
533-211-600	1	Phase 2 — Traffic Engineering	534-0		Indexes and Equipment Test List
533-3 HOTEL/MOTEL SERVICES			-3		Manual and Dial PBX
533-300-100	1	90A — For ESS Message Register Service — Operation and Descriptive Information	-4		Manual PBX Switchboards
533-300-200	1	90A — For ESS Message Register Service — Identification and Preinstallation Information	-5		
▲ ♣ 533-305-000	1	90B Customer Premises System	-6		Automatic Number Identification (ANI) Equipment
▲ ♣ 533-310-000	1	90A — For Use With ACD Functional Group Administration	534-0 INDEXES AND EQUIPMENT TEST LIST		
533-4 EMERGENCY REPORTING SERVICES (ERS)			● ♣ 534-000-000	47	Numerical Index — Division 534 — Sections Applying to More Than One PBX Series — 500, 600, 700, and 800 Series — Manual and Dial PBX
▲ ♣ 533-400-001	1	E911 System Answering Point — Installation Test Maintenance	534-001-010	4	Business Systems — Analysis and Maintenance Plan (BSAMP)
□ 533-400-100	2	E911 Customer Premises System — System Description <i>Replaced with 533-400-101</i>	534-001-011	2	ETL
533-400-101	2	E911 System Answering Point — System Description	534-3 MANUAL AND DIAL PBX		
□ 533-400-300	2	E911 Customer Premises System — Preinstallation and Planning Information <i>Replaced with 533-400-301</i>	534-360 Power Equipment Inspections		
533-400-301	2	E911 System Answering Point — Preinstallation and Planning Information	534-360-535	1	Fuses and Fuse Panels — Inspections
□ 533-400-600	1	Engineering Considerations — Business Services Traffic Engineering — Enhanced 911 System <i>Info no longer required</i>	534-360-630	1	Power Panels — Tests and Inspections

Section Number	Issue	Subject
534-362 Range Charts — PBX Trunk and Station Conductor Loop		
534-362-151	2	Connected to No. 1 Crossbar Central Office Having 1300-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)
534-362-152	3	Connected to No. 1 Crossbar Central Offices Having 1300-Ohm Subscriber Conductor Loop — 520-Ohm Talking Battery Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)
534-362-153	1	Connected to Panel Central Offices Having 1300-Ohm Subscriber Conductor Loop — 140-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)
534-362-154	1	Connected to Panel Central Offices Having 785-Ohm Subscriber Conductor Loop — 50-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 24.5V (Floating)
534-362-155	1	Connected to Panel Central Offices Having 635-Ohm Subscriber Conductor Loop — 50-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 21V (Floating)
534-362-156	2	Connected to No. 5 Crossbar Central Offices Having 1360-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)
534-362-157	2	Connected to No. 5 Crossbar Central Offices Having 1430-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) Office Voltage of 48V (Floating)
534-362-158	2	Connected to Step-by-Step Line Finder Central Offices Having 885-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88 VAC Component) — Office Voltage of 48V (Floating)
534-362-159	2	Connected to Step-By-Step Line Finder Central Offices Having 1300-Ohm Subscriber Conductor Loop — 400-Ohm Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)
534-362-160	2	Connected to No. 1 ESS Central Offices Having 1360-Ohm Subscriber Conductor Loop — 388- to 461-OHM Talking Battery-Feed Circuit — AC-DC or Superimposed Ringing (84-88V AC Component) — Office Voltage of 48V (Floating)

Section Number	Issue	Subject
534-364 Tie Trunks		
534-364-100	2	HJ12 Repeater SD-1E501-01 — Description and Tests — For Use With Electronic Tie Trunk (ETT) SD-1E500-01 and SD-1E500-02
534-364-180	3	HJ12 Repeater (SD-1E501-01) — Method for Generating Prescription Settings for Equalization and Gain When Used With Another HJ12 Repeater or Metallic Facility Terminal Repeater — Nonloaded and Loaded Cable Facilities
534-364-181	2	HJ12 Repeater (SD-1E501-01) Method for Generating Prescription Settings for Equalization and Gain When Used With V4 Repeater or Other Cable Terminating Equipment Which Uses V4 Equalization Techniques for Nonloaded Cable Facility
534-364-210	3	J58824CF (SD-65718-02) — Identification and General Installation Procedures — PBX Systems
534-364-211	2	Tie Trunk J58824BC and J58824BY (SD-65718-01) — Identification and General Installation Procedures — PBX Systems
534-364-212	1	J59204 Electronic Tie Trunk (ETT) SD-1E500-01, SD-1E500-02 — Identification, Installation, and Connections — PBX Systems
534-364-300	1	J59204 Electronic Tie Trunk (SD-1E500-01 and SD-1E500-02) Trouble-Locating Procedures and Diagnostic Tests — PBX Systems
534-364-501	1	Tie Trunk Circuits SD-65718-01, SD-65718-02, and SD-66799-01 — Pulsing Tests and Requirements Using Pulse Repeating Test Set SD-31667-01 (J34720A) and Pulsing Test Set SD-31481-01 (J34717A) — SXS and Crossbar-Type PBX
534-364-502	1	Tie Trunk Circuits SD-65718-01, SD-65718-02, and SD-66799-01 — Pulsing Tests and Requirements — Using 2B-1 Signaling Test Set SD-56134-02 (J64730B) and Associated Pulse Repeating Adapter SD-56134-02 (J64730D) — Step-by-Step and Crossbar-Type PBX

534-366 TOUCH-TONE Calling Equipment		
534-366-210	2	Local "TOUCH-TONE®" Conversion Equipment J58847N-1 — Identification, Installation, and Connections — Manual and Crossbar Type PBX's
534-366-211	2	Centralized "TOUCH-TONE®" Conversion Equipment J99322 — Identification, Installation, and Connections — PBX Systems
534-366-212	1	Link Access "TOUCH-TONE®" Calling Using Link Circuit (SD-5E071-01) With Manual, 756A, 757A, 770A, 800A, 801A and 812A PBX's — Identification, Installation, Connections and Operation Tests

Section Number	Issue	Subject	Section Number	Issue	Subject
534-366-501	2	Local TOUCH-TONE® Calling Equipment — Operation Tests — Using Solid State Converter and Receiver Test Set Circuit SD-66890-01 (J58847M) — Manual, Crossbar, and Electronic PBX Systems	534-420-510	5	Without Voice Repeater or With Voice Repeater SD-65719-01 — Operation Tests — 550, 551, 552, 555, 556A, 557A, 600, 605, 607, 608A, and 608D PBX Switchboards
534-366-502	2	Centralized TOUCH-TONE® Calling Converter Equipment — Operation Tests — Using Solid State Converter and Receiver Test Set Circuit SD-66890-01 (J58847M) — PBX Systems	534-420-511	3	With Voice Repeater SD-65719-01 — Overall Transmission Tests — 550, 551, 552, 555, 556A, 557A, 600, 605, 606, 607, and 608A PBXs
534-367 Environmental Systems			534-420-520	2	With Voice Amplifier SD-65738-01 — Transmission and Operation Tests — 552A, 552B, 552D, 552E, 556A, 605A, 606B, 607A, 607B, 608A, and 608D PBX Switchboards
Add 534-367-201	1		534-430 Cord Circuits		
534-367-201	2	ED-1E267 — PBX Filter-Ventilator System — Identification, Installation, and Maintenance	534-430-520	4	Manual Tests — 550C, 550SC, 551A, 551B, 551D, 552A, 552B, 552D, 552E, 600C, 605A, and 700C PBX
534-4) MANUAL PBX SWITCHBOARDS			534-430-525	3	Operation Tests — Using PBX Cord Circuit Test Set J54703A — 550C, 550SC, 551A, 551B, 551D, 552A, 552B, 552D, 552E, 600C, 604C, 605A, and 700C PBX
534-5)			534-500 Miscellaneous		
534-400 General			534-500-201	2	Plastic Bulletin Holders — Installation — 550, 551, 552, 555, 556, 600, 605, and 606 PBX
534-400-110	1	Fundamental Circuit and Operating Features — Common Manual PBX Switchboards	534-500-207	4	9A Handset Hangers — Identification and Installation — Nonmultiple PBX Switchboards
534-400-565	3	General Inspection	534-500-214	1	Plugshell Facing Caps — Installation — 551, 552, 605, and 607 PBX
534-405 Attendant Circuits			534-555 Station Line Circuit (Extension Lines)		
534-405-665	1	Attendant Telephone and Dialing Circuit — Tests and Inspections — 550B, 550C, 550SC, 551A, 551B, 551D, — 552A, 552B, 552D, 552E, 600C, 605A, and 700C PBX	534-555-530	2	Dial Extension Lines — Jack Circuit Tests — 552A, 552D, and 605A PBX
534-413 Blind Attendant or Visually Impaired Equipment			534-555-600	3	Manual Extension Lines — Relay, Jack, and Lamp Circuit Tests — 552A, 552D, and 605A PBX
534-413-210	2	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment — Identification and Installation Nonmultiple PBX Switchboards	534-565 Trunks		
534-413-211	1	Visually Impaired Attendant Service — 990A Light Sensor and 87A Control Unit Used With PBX Consoles — Description, Installation, and Method of Operation	534-565-100	3	Loudspeaker Paging Trunk SD-66883-01 — Identification, Installation, and Connections — 608-, 701-, 711-, and 740-Type PBX
534-413-501	1	Blind Attendant Equipment Using Lamp Signal Detector Circuit SD-65930-01 — Operation Test Nonmultiple PBX Switchboards	Add 534-565-200	1	
534-413-502	1	Visually Impaired Attendant Service — 990A Light Sensor and 87A Control Unit Used With PBX Consoles — Maintenance and Trouble Locating Procedures	534-565-200	1	Remote Access Unit — SD-1E502-01 — Description, Installation, and Maintenance Information
534-420 Manual Conference Circuits			534-565-500	3	Attendant Trunks — Jack, Lamp, and Register Circuit Tests — 552A, 552D, 605A, 607A, and 607B PBX
534-420-210	5	With Voice Repeater SD-65719-01 — Installation — 550B, 550C, 550SC, 551A, 551B, 551D, 552A, 552B, 552D, 552E, 555, 556A, 605A, 606B, 607A, 607B, 608A, and 608D PBX	534-565-505	4	Attendant Central Office Trunks — Operation Tests — 552A, 552D, and 605A PBX
534-420-220	2	With Voice Amplifier SD-65738-01 — Installation — 552A, 552B, 552D, 552E, 556A, 605A, 606B, 607A, 607B, 608A, 608B, and 608D PBX Switchboards	534-565-512	1	Manual PBX Access Line Circuit SD-1E046-01 — In-Service Tests — 551A, 551B, 552A, 552B, 552D, 552E, 555, 556A, 605A, 608A, 608B, and 608D PBX

Section Number	Issue	Subject
534-565-565	3	Intercepting Trunks — Jack and Lamp Circuit Tests — 552A, 552D, and 605A PBX
534-565-620	3	Outgoing Tandem Trunks — For Official PBX Service — Operation Tests — 552A, 552B, 552D, 552E, 605A, 606A, 606B, 607A, 607B, 608A, 608D, and 700C PBXs
534-565-665	2	Trunk Circuits — For Use With 508A PBX — Operation Tests — 551A, 551B, 551D, 552A, 552B, 552D, 552E, 556A, or 605A PBX

534-6 AUTOMATIC NUMBER IDENTIFICATION (ANI) EQUIPMENT

534-600-301	1	(SD-1E505-01) — Trouble-Locating Information Using Test Set J59204AJ — 770A, 801A, and 812A PBX's
534-600-501	1	(SD-1E505-01) — Verification Procedures and Operation Tests of ANI Alarm and Message Registers — 770A, 801A, and 812A PBX's

DIVISION 536 — 500 SERIES PBX

536-0 Indexes, 505-, 506-, and 507-Type PBX, and Equipment Test Lists
 .4 No. 550 Series PBX — Sections Applying to More Than One Type
 .5 No. 550-, 552-, 555-, 556-, 557- and 558-Type PBX

536-0 INDEXES, 505-, 506- AND 507-TYPE PBX, AND EQUIPMENT TEST LISTS

◆ 536-000-000	27	Numerical Index — Division 536 — 500 Series PBX
536-001-011	2	ETI

536-050 No. 505B, 505C, 506A, and 506B PBX

536-050-210	2	Installation
536-050-230	1	Tests and Inspections at Time of Installation
536-050-511	2	Circuit Tests
536-050-800	2	Modification for Anti-Sidetone Connections

536-070 No. 507A and 507B PBX

♥ 536-070-001	1	Business Services Engineering
536-070-210	3	Installation
536-070-230	1	Tests and Inspections at Time of Installation
536-070-511	2	Circuit Tests
536-070-512	1	Manual PBX Access Line Circuit SD-66918-01 — In-Service Tests

NO. 508A PBX FOR DISPATCHING SERVICE — SEE DIVISION 473
NO. 520-TYPE PBX FOR EMERGENCY REPORTING — SEE DIVISION 473

536-4 NO. 550 SERIES PBX — SECTIONS APPLYING TO MORE THAN ONE TYPE

536-490-110	1	Signal Cabinet for Touch Operation — General Description — 550- and 551-Type PBX
536-490-200	4	Preparation for Installing — 550B, 550C, 550SC, 551A, 551B, 552B, 555, 556A, 557A, or 557B PBX
536-490-210	4	Installation — 551A, 551B, and 552B PBX
536-490-230	3	Tests and Inspections at Time of Installation — 550- and 551-Type PBX
536-490-507	3	Attendant Telephone and Dial Circuits — Tests and Inspections — 555, 556A, and 557A PBX
536-490-525	3	Cord Circuits — Manual Tests — 555, 556A, and 557A PBX
536-490-600	5	Miscellaneous Circuits — Ringing, Battery, Auxiliary Signal, Grouping, Fuse, and Power Alarms — Tests and Inspections — 550B, 550C, 550SC, 551A, 551B, 551D, 555, 556A, and 557A PBX
536-490-660	3	Extension Lines — Relay, Jack, and Lamp Circuit Tests — 550B, 550C, 550SC, 551A, 551B, 551D, and 555 PBX
536-490-665	5	Central Office Trunks — Operation Tests — 550B, 550C, 550SC, 551A, 551B, 551D, 555, 556A, and 557A PBX
536-490-666	2	Tie Trunk Circuits — Outgoing Manual and Dial Repeating — Incoming Manual or Dial Selected — Operation Tests — 555 and 557A PBX
536-490-667	2	Ringdown and Automatic Tie Trunk Circuits — Operation Tests — 555 and 557A PBX

536-5 NO. 550-, 552-, 555-, 556-, 557-, AND 558-TYPE PBX

536-500 No. 550-Type PBX

536-500-210	4	Installation — 550B, 550C, and 550SC PBX
536-500-522	1	Cord Circuits — Operation Tests — 550B PBX

536-510 No. 551A PBX

536-510-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 551A PBX
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536-520 No. 552-Type PBX

♥ 536-520-001	1	Business Services Engineering — 552A, 552B, 552D, and 552E PBX
536-520-110	1	General Description — 552B and 552E PBX

Section Number	Issue	Subject	Section Number	Issue	Subject
536-520-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 552A, B, D, E PBX	DIVISION 538 — 600 SERIES PBX		
536-520-600	3	Miscellaneous Circuits — Ringing, Battery, Auxiliary Signal, Night Alarm, and Fuse Alarm — Tests and Inspections — 552A and 552D PBX	538-0		Index, 600 Series PBX, and Equipment Test List
536-550 No. 555 PBX			538-0 INDEX, 600 SERIES PBX, AND EQUIPMENT TEST LIST		
♥ 536-550-001	1	Business Services Engineering	● ♠ 538-000-000	33	Numerical Index — Division 538 — 600 Series PBX
536-550-110	1	General Description	538-001-011	2	ETL
536-550-210	4	Installation	538-002-600	1	Miscellaneous Circuits — Ringing, Battery, Auxiliary Signal, Night Alarm and Fuse Alarm — Tests and Inspections
536-550-230	2	Tests and Inspections at Time of Installation	538-002-660	1	Extension Lines — Relay, Jack, and Lamp Circuit Tests
536-550-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 555 PBX	538-002-665	1	Central Office Trunks — Operation Tests
536-551 Specially Modified 555 PBX			No. 605A PBX		
536-551-210	2	Specially Modified 555 PBX Equipped for Autovan and Radio Circuits — Identification, Installation, Connections, and Tests	♥ 538-040-001	1	Business Services Engineering
536-551-212	1	Specially Modified 555 PBX (Civil Disturbance Package) Equipped for Autovan and Radio Circuits — Identification, Installation, and Connections	538-040-110	1	General Description
536-559 NO. 556A PBX			538-040-600	2	Miscellaneous Circuits — Generator, Night Alarm, Fuse Alarm, and Battery Cutoff — Tests and Inspections
♥ 536-559-001	1	Business Services Engineering	538-040-660	2	Extension Lines — Convertible to Dial Line Circuit — Relay, Jack, and Lamp Circuit Tests
536-560 Modified PBX for Handicapped			No. 606 and 607-Type PBX — Sections Applying to More Than One Type		
Add 536-560-210	1		538-050-505	3	Attendant Telephone and Dialing Circuit — Tests and Inspections — 606B and 607A PBX
536-560-210	4	Identification, Installation, and Connections — (Manual Auxiliary for 756A PBX) — 556A PBX	538-050-524	3	Cord Circuits — Operation Tests — 606B and 607A PBX
536-560-230	1	Tests and Inspections at Time of Installation — (Manual Auxiliary for 756A PBX)	538-050-660	1	Station Line Circuits — Manual and Dial — Operation Tests — 606B, 607A and 607B PBX
536-560-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 556A PBX	538-050-665	3	Incoming, Outgoing, Two-Way Central Office and Local Trunks — Operation Tests — 606A, 607A and 607B PBX
536-560-660	1	Station Line Circuits — Operation Tests	538-050-667	3	Tie Trunks — Operation Tests — 606A, 607A and 607B PBX
536-580 558A PBX			No. 606-Type PBX		
♥ 536-580-001	1	Business Services Engineering	538-060-505	2	Attendant Telephone and Dialing Circuit — Tests and Inspections — 606A PBX
Add 536-580-210	1		538-060-523	3	Cord Circuits — Operation Tests — 606A PBX
536-580-210	2	Identification, Installation, Connections, Inspection, Tests, and Method of Operation	538-060-600	2	Miscellaneous Circuits — Position Grouping, Auxiliary Signal, Night Alarm, Peg Count, and Supervisor Circuit — Tests and Inspections — 606A PBX
536-590 559A Communication Package					
♥ 536-590-210	3	Identification, Installation, Connections, Tests, and Inspections			

Section Number	Issue	Subject	Section Number	Issue	Subject
538-060-660	3	Station Line Circuits — Operation Tests — 606A PBX	538-080-528	2	Cord Circuit ES-65841-01 — Position Circuit ES-65840-01 — Position "TOUCH-TONE®" Calling Circuit ES-65842-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — 608A Switchboard — Arranged for Customer Group Service — No. 5 Centrex
538-060-665	3	Trunks to Attendant Connectors — Including Tests of Attendant Connectors — Operation Tests — 606A or 606B PBX			
No. 607-Type PBX					
♥ 538-070-001	1	Business Services Engineering — 607 PBX	538-080-600	2	Miscellaneous Circuits — Battery Cut-Off Generator Supply, Auxiliary Signal, Alarms, Peg Count, and Page Key — Operation Tests — 608A and 608B PBX
538-070-505	1	Attendant Telephone and Dialing Circuit — Tests and Inspections — 607B PBX			
538-070-525	1	Cord Circuits — Operation Tests — 607B PBX	538-080-660	1	Station Line Circuits — Operation Tests — 608A PBX
538-070-526	1	Manual PBX Access Line Circuit SD-1E047-01 — In-Service Tests — 607A and 607B PBX	538-080-665	2	Attendant and Intercepting Trunks — Jack, Lamp and Register Circuit Tests — 608-Type PBX With Direct Trunk Termination
538-070-600	1	Miscellaneous Circuits — Position Grouping, Night Alarm, Peg Count, Service Assistant Telephone, Test Cord, Calling Signal, and Lamp Battery Cutoff — Operation Tests — 607A and 607B PBX	538-080-667	2	Central Office and Tie Trunks — Operation Tests — 608-Type PBX With Direct Trunk Termination
			♥ 538-081-215	1	Identification, Installation, and Connections — 756A, 757A, and 800A Dial PBXs
No. 608A, 608B and 608D Type PBX					
♥ 538-080-001	1	Business Services Engineering — 608A PBX	538-082-524	1	Cord Circuit SD-65832-01 — Position Circuit SD-65833-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — 608B PBX Switchboard
538-080-210	3	Manual, Nonmultiple 608A PBX Arranged for Plug-In Feeder Cables — Identification, Installation, and Connections			
538-080-211	1	Manual Conference Connection Circuit SD-65872-01 Using Conference Bridge Circuit With Transistorized Amplifiers for Four or Six Simultaneous Connections SD-96595-01 — Identification, Installation, Connection, and Operational Check — 608D PBX	538-085-210	3	Manual, Nonmultiple 608D PBX — Arranged for Plug-In Feeder Cables — Identification, Installation, and Connections
			538-085-212	2	Manual Auxiliary for 701PK PBX — Identification, Installation, and Connections — 608D Switchboard
538-080-212	1	Identification — Installation and Connections (Manual Auxiliary for 701PK PBX) 608A PBX	538-085-213	2	Manual Auxiliary for 701B PBX — Identification, Installation, and Connections — 608D Switchboard
538-080-230	2	Tests and Inspections at Time of Installation — 608-Type PBX	538-085-215	2	Identification, Installation, and Connections for 608D Switchboard Used as Attendant Position With 756A and 757A Dial PBXs
538-080-400	1	Blind Attendant Equipment — Lamp Signal Detector SD-65930-01 and Associated Equipment Connections — 608A, 608D PBX	538-085-523	2	Cord Circuit and Position Circuit — Manual Tests — 608D PBX
538-080-512	2	Attendant Loop Circuit SD-65830-01 — Arranged for Inward Dialing — Operation Tests Using Jack Mounting ED-60613-30, G3 and G4 — 608B and 608D PBX Switchboard	538-085-524	2	Cord Circuit SD-67034-01 — Position Circuit SD-67037-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — Manual or Dial Auxiliary — 608D PBX
538-080-523	2	Cord Circuit SD-66720-01 — Position Circuit SD-66721-01 — Manual Tests — Manual or Dial Auxiliary — 608A PBX	538-085-600	1	Miscellaneous Circuits — Battery Cutoff, Generator Supply, Auxiliary Signal — Alarms and Peg Count — Operation Tests — 608D PBX
538-080-524	3	Cord Circuit SD-66720-01 — Position Circuit SD-66721-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — Manual or Dial Auxiliary — 608A PBX	538-086-524	1	Cord Circuit SD-67035-01 — Position Circuit SD-67037-01 — Operation Tests — Using PBX Cord Circuit Test Set SD-66484-01 (J54703A) — 608D PBX Switchboard

Section Number	Issue	Subject	Section Number	Issue	Subject
DIVISION 540 — SECTIONS APPLYING TO MORE THAN ONE 700 SERIES PBX — INCLUDING CENTREX CU, ATTENDANT EQUIPMENT FOR CENTREX CO, AND "TOUCH-TONE" CALLING			540-115-501	2	Line Finders — Operation Tests — Using Test Set SD-90416-01 (J94704A) — 701A, 701B, 701PK, 702A, 711A, 711B, 740A, 740AX, 740B, and 740C PBX
540-0		Indexes and General Information	540-117-501	1	Line Finders and 3-Wire Trunk Finders — Operation Tests — Using Test Set SD-66073-01 (J54701B) — 701A, 701B, 701PK, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C and 740E PBX
-1		Sections Applying to More Than One 700 Series Step-by-Step PBX	540-117-503	1	Line Finders and 3-Wire Trunk Finders — Group and Chain Circuit Test and Make-Busy from Circuit Beyond — 701A, 701B, 701PK, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C and 740E PBX
-3		Sections Applying to More Than One 700 Series Step-by-Step and Crossbar Type PBX	540-120-503	2	Selectors — Pulsing Tests — Using Pulsing Test Set SD-31481-01 (J3417A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK and 740E PBX
-5		Sections Applying to Centrex Equipment and Circuits	540-120-505	2	Selectors — B Relay Timing Test — Using Relay Timing Test Set SD-90418-01 (J94713A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, and 740E PBX
-7		Sections Applying to Step-by-Step PBX Equipment and Circuits Associated With TOUCH-TONE Calling	540-120-507	2	Selectors — Rotary and C Relay Timing Tests — Using Relay Timing Test Set SD-90418-01 (J94713A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK and 740E PBX
540-0 INDEXES AND GENERAL INFORMATION			540-120-509	2	Selectors — Operation Tests — Using Test Set SD-66073-01 (J54701B) — 701A, 701B, 701PK, 711A, 711B, 711PK, and 740E PBX
◆	540-000-000	88 Numerical Index — Division 540 — Sections Applying to More Than One 700 Series PBX — Including Centrex CU, Attendant Equipment for Centrex CO, and "TOUCH-TONE" Calling	540-120-511	2	Selectors — Operation Tests — Using Test Set SD-90416-01 (J94704A) — 701A, 701B, 701PK, 702A, 711A, 711B, and 711PK PBX
	540-001-011	3 ETL — More Than One 700 Series Step-by-Step PBX — More Than One 700 Series Step-by-Step and Crossbar PBX	Add 540-125-505	1	Connectors — Operation Tests — Using Test Set SD-66073-01 (J54701B) — 701A, 701B, 701PK, 711A, 711B, 711PK and 740E PBX
	540-001-013	4 ETL — Step-by-Step Centrex CU and Optional Service Features — Step-by-Step PBX Equipment and Circuits Associated With TOUCH-TONE® Calling	540-125-505	2	Connectors — Operation Tests — Using Test Set SD-90416-01 (J94704A) — 701A, 701B, 701PK, 702A, 711A, 711B, and 711PK PBX
	540-010-300	2 Trouble-Locating Information — 700-Type — Step-by-Step PBXs	540-125-507	2	Connectors — Operation Tests — Using Test Set SD-90416-01 (J94704A) — 701A, 701B, 701PK, 702A, 711A, 711B, and 711PK PBX
540-1 SECTIONS APPLYING TO MORE THAN ONE 700 SERIES STEP-BY-STEP PBX			540-128-501	1	Selector-Connector SD-65721-01 — Restricted Service Tests — 701A, 701B, 711A, 711B, and 740E PBX
	540-101-500	1 Call-Thru Test — Using Automatic Call-Thru Test Set SD-32522 (J34728)	540-128-502	1	Selector — Incoming First or Outgoing SD-65950-01 — Arranged for Digit Restriction or Digit Absorption — Operation Test — 700-Type PBX
	540-105-301	3 Equipment and Circuits — Method of Taking Out of Service 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 740A, 740AX, 740B, 740C and 740E PBX	540-128-503	1	Selector-Connectors — Operation Tests — Using Test Set SD-66073-01 (J54701B) or SD-90416-01 (J94704A) — 701A, 701B, 711A, 711B, 740A, 740AX, 740B, 740C, and 740E PBX
	540-107-300	2 Attendant Equipment — 101-Type Key Equipment — Method of Operation — 701A, 701B, and 740E PBX			
	540-107-301	2 Attendant Equipment — 6-Button Key Telephone Set — Method of Operation — 701A, 701B, and 740E PBX			
	540-107-302	2 Attendant Equipment — 5- or 6-Type Telephone Consoles — Method of Operation — 701A, 701B and 740E PBX			
	540-110-501	1 Station Message Register Pulse Circuit SD-66915-01 and Station Message Register Surcharge Circuit SD-66922-01 — Operation Tests — 701B, 711B, 701PK, 740E PBX			
	540-113-501	1 Station Direct Station Selection Circuit SD-66856-01 — Operation Tests 701A, 701B, 711A, 711B, 740E PBX			

Section Number	Issue	Subject	Section Number	Issue	Subject
540-134-501	2	Selectors, Connectors, and Selector-Connectors — Cut-In and Release Tests — Using Dial Hand Test Set — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C and 740E PBX	540-3	SECTIONS APPLYING TO MORE THAN ONE 700 SERIES STEP-BY-STEP AND CROSSBAR TYPE PBX	
540-134-701	2	Selectors, Connectors, and Selector-Connectors — Correction of Pulsing Failures — Using Pulsing Test Set SD-31481-01 (J34717A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX	540-310-501	1	PBX Access Line Circuit SD-5E000-01 — Operational Tests — Step-by-Step Type PBX
540-140-503	2	Selectors and Selector-Connectors — Rotary Test — Using Dial Hand Test Set — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX	540-5	SECTIONS APPLYING TO CENTREX EQUIPMENT AND CIRCUITS	
540-140-505	2	Selectors and Selector-Connectors — Rotary Test — Using 40C Test Set — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX	540-500)	Step-by-Step PBX Centrex CU and Optional Service	
540-143-504	2	Connectors and Selector-Connectors — Pulsing Tests — Using Pulsing Test Set SD-31481-01 (J34717A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX	540-570)	Features	
540-143-507	3	Connectors and Selector-Connectors, B, C, and E Relay Timing Tests Using Relay Timing Test Set SD-90418-01 (J94713A) — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX	♥ 540-500-001	1	Business Services Engineering — 701B and 711B PBX
540-155-501	1	5-Wire Rotary Out-Trunk Switch — SD-30891-01 Arranged for Preselection — Operation Test Using Dial H and Test Set — Step-by-Step PBXs	540-507-300	4	Attendant Telephone Consoles With Direct Trunk Termination — Method of Operation — Step-by-Step Type PBX
540-169-501	2	Trunks — Continuity and Polarity Tests from Selector Levels 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C and 740E PBX	540-507-301	3	Attendant Telephone Consoles With Switched Loop — Method of Operation
540-172-501	1	Trunks and Tie Trunks — Operation Tests from Selector Levels — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740AX, 740B, 740C, and 740E PBX	540-510-500	3	Call Distribution Circuit SD-65811-01 — Individual or Multicustomer — Alarms — Operation Tests
540-175-501	3	Intercepting, Tone, and Announcement Trunks — Operation Tests — 700C, 701A, 701B, 701PK, 702A, and 740E PBX	Add 540-510-501	1	
540-182-501	1	Dial Conference Circuit SD-66461-01 — Operation Tests — 700C, 701A, 701B, 701PK, 702A, 710C, 711A, 711B, 711PK, 740A, 740B, and 740E PBX	540-510-501	1	Alarms — Call Distribution Circuit SD-65829-01 — Operation Tests
540-188-501	2	Auxiliary Line Circuits SD-65799-01, SD-66604-02, and SD-66604-01 (A&M) — Operation Tests — 700-Type Step-by-Step PBXs	540-510-502	1	Alarms — Call Distribution Circuit SD-65829-01 — Operation Tests
			540-511-501	2	Attendant-Controlled Dial Conference Connecting Circuit SD-65897-01 For Use With Telephone Console and Transistorized Conference Circuit SD-96595-01 Arranged For A Maximum of Five Simultaneous Connections — Operation Tests — 701B PBX
			Add 540-511-510	1	
			540-511-510	2	Station Controlled Dial Conference Connecting Circuit SD-66857-01 Arranged for Use With Transistorized Conference Amplifier Circuit SD-96595-01 With A Maximum of Six Simultaneous Connections — Operation Tests — 701A, 701B, 711A, Or 711B PBX
			540-514-501	1	Night Service Circuit SD-65894-01 — Operation Tests — 701B PBX
			540-515-501	2	Night Closing and Alarm Circuit SD-65898-01 — For Use With 1- or 2-Type Telephone Console or Supervisory Cabinet — Operation Tests — 701B PBX
			540-516-300	3	Call Transfer — Individual Method of Operation — 701B PBX
			540-517-501	1	Calls Waiting Signal Circuit SD-65845-01 — Operation Test — Step-by-Step PBX
			540-518-300	2	Automatic Number Identification Circuit SD-1E007-01 — General Maintenance Procedures — Step-by-Step Type PBX
			540-518-302	2	Automatic Number Identification Circuit SD-1E007-01 — Trouble Locating Procedures — Using Test Set J58853J (SD-1E056-01) and 716C Test Receiver — Step-by-Step Type PBX

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540-576 2-Wire Centrex CO (Attendant Equipment Only)		
□ 540-576-302	1	1B- and 2B-Type Telephone Consoles With Switched Loop Operation — Method of Operation — No. 2 Electronic Switching System
<i>Information now in 533-110-102</i>		

540-580 Customer Premises Systems

540-580-101	3	50A — Identification, Installation, Connections and Installation Tests
540-580-301	1	50A — Attendant and Station Equipment — Method of Operation
540-580-302	2	50A — Trouble-Locating Procedures

540-7 SECTIONS APPLYING TO STEP-BY-STEP PBX EQUIPMENT AND CIRCUITS ASSOCIATED WITH TOUCH-TONE CALLING

540-702-501	5	TOUCH-TONE Calling Receiver SD-67027-01, SD-98148-01, or SD-1E586-01, — Converter SD-66892-01 or SD-1E504-01, — Interface Circuit SD-66886-01 or SD-1E054-01, — and Trunk Finder Circuit SD-65906-01 — Operation Tests — Using J58847M Test Set SD-66890-01 — Step-by-Step PBX Systems
540-702-502	1	Common Group "TOUCH-TONE" Calling Equipment With Crossbar — Link Access — Operation Tests — Step-by-Step Systems

DIVISION 541 — 700C AND 710C PBX

541-0 Index 700C and 710C PBX, and Equipment Test List

541-0 INDEX 700C AND 710C PBX, AND EQUIPMENT TEST LIST

• ♣ 541-000-000	6	Numerical Index — Division 541 — 700C and 710C PBX
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541-001-011 1 ETL

700C And 710C PBX — (Manual Switchboard And Dial Equipment)

541-002-501 2 Alarms — Operation Tests

700C And 710C PBX — (Dial Equipment)

541-003-520 2 Connectors — Operation Tests

541-003-591 2 Line Switches and Master Switches — Operation Tests

700C PBX — (Manual Switchboard)

541-004-600 1 Miscellaneous Circuits — Generator, Battery, Auxiliary Signal, Night Alarm and Fuse Alarm — Tests and Inspections

541-004-659 1 Manual Extension Lines — Relay, Jack, and Lamp Circuit Tests

541-004-665 1 Attendant Trunks — Jack and Lamp Circuit Tests

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541-004-666	1	Attendant Central Office Trunks — Relay, Jack, and Lamp Circuit Tests
541-004-667	1	Combination Central Office Trunks — Relay, Jack, and Lamp Circuit Tests
541-004-668	1	Intercepting Trunks — Jack and Lamp Circuit Tests

DIVISION 542 — 701- AND 711-TYPE PBX

542-0 Index, 701- and 711-Type PBX, and Equipment Test List
-1 Sections Applying to Station Line Circuits

542-0 INDEX, 701- AND 711-TYPE PBX, AND EQUIPMENT TEST LIST

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542-001-011	1	ETL
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♥ 542-010-002	1	Business Services Engineering — 701B and 711B PBX
542-010-110	2	General Description — 701A and 711A PBX
542-010-310	2	Alarms — Method of Tracing — 701A and 711A PBX
542-010-500	3	Alarms — Operation Tests — 701A and 711A PBX
542-010-501	4	Alarms — Operation Tests — 701B and 711B PBX
542-010-503	1	Power Failure Transfer Circuit — Operation Tests — 701B PBX Systems
542-011-501	1	Attendant Direct Station Selection Circuit SD-66865-01 When Used With 1- and 2-Type Telephone Console — Operation Test — 701A or 701B PBX
♥ 542-015-001	1	Business Services Engineering — 701PK and 711PK PBX
Add 542-015-201	1	Switching Cabinets — Identification and Installation — 701PK PBX
542-015-201	1	Switching Cabinets — Identification and Installation — 701PK PBX
542-015-203	1	Basic and Supplementary Modules — Connections — 701PK PBX
542-015-204	1	Heavy Traffic Module — Connections — 701PK PBX
542-015-205	1	Incoming Selector and Dial Repeating Tie Trunk Module — Connections — 701PK PBX
542-015-209	1	Service Options — Method of Providing — 701PK PBX

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542-015-501	1	Alarms — Operations Tests — 701PK PBX	546-400-500	3	Alarms — Operation Tests
542-1 SECTIONS APPLYING TO STATION LINE CIRCUITS			546-400-655	4	Selector-Connectors — Operation Tests — Using Dial Hand Test Set
542-108-100	1	Station Restriction Circuit SD-5E012-01 and Station Restriction Control Circuit SD-5E034-01 Installation, Connection, and Operation Tests 710A and 701B PBX	Add 546-400-665	1	
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543-020-520	3	Attendant 3-Wire Connectors — SD-66663-01 and SD-66664-01 — Operation Tests	548-000 Indexes and Equipment Test List		
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543-020-590	1	Line Finders — Operation Tests	548-001-011	1	ETL
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DIVISION 546 — 740-TYPE PBX			548-500-200	2	Preparation for Installing
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550-550-590	2	Link and Link Allotter Circuits — Operation Tests
550-550-665	1	Trunks — Operation Tests

DIVISION 551 — 756A, 757A, 758A, 758B, 758C, 761, AND 770 PBX

- 551-0 Index and Equipment Test List
 - 1 No. 756A PBX
 - 2 No. 757A PBX
 - 4 No. 758A, 758B, and 758A/B PBX
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551-010-300	2	Trouble-Locating Information — 757A PBX
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551-1 NO. 756A PBX

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551-100-210	5	Switching Cabinets — Identification and Installation
551-100-211	7	Crown, House and Feeder, and Supplementary Cables — Method of Connecting to PBX
551-100-212	3	House and Feeder Cables — From Modules 1 and 2 — Method of Connecting to Cross-Connecting Terminal

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551-103-210	4	Supplementary House and Feeder Cable — Direct Station Selection by Attendant and Single-Digit Dialing — Method of Connecting to Cross-Connecting Terminal
551-103-211	5	Supplementary House and Feeder Cables — 556A Switchboard — Method of Connecting to Cross-Connecting Terminal
551-103-212	1	608A or 608D Switchboard Connections
551-104-210	2	Direct Station Selection by Stations — Identification, Installation, and Connections
Add 551-107-210	2	
551-107-210	2	TOUCH-TONE® Calling — Identification, Installation, and Connections
551-110-210	2	Message Waiting Service — Connections
551-111-210	2	Inward Restriction SD-5E003-01 Identification — Installation and Connections
551-115-210	3	3- and 22-Type Telephone Console — Connections
551-117-210	4	4- and 32-Type Telephone Console — Connections
551-124-210	1	700-Type Attendant Modular Station Apparatus — Connections
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551-135-210	3	Conference Equipment — Identification, Installation, and Connections
551-137-210	2	External Traffic Register Cabinet — Identification, Installation, and Connection
551-139-210	3	Station Message Register Pulse and Surcharge Circuit SD-5E021-01 — Identification, Installation, and Connections
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551-144-210	5	Miscellaneous Equipment — (Tie Trunks, Loudspeaker Paging Trunk, Recorded Telephone Dictation Trunk, 3A Code Call Unit, Busy Verification Auxiliary Trunk, and Auxiliary Position Circuit for Remote Trunk Answer from any Station) — Installation Information
551-147-210	5	Service Options — Method of Providing
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551-150-209	1	Test Facilities and Test Calls — Method of Operation
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551-155-501	2	Marker Alarms — Circuit Tests	♥ 551-200-001	1	Business Services Engineering
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551-160-301	1	Attendant Equipment — 700- or 701-Type Modular Station Unit — Method of Operation	551-201-210	4	Cabinet 0 — House and Feeder Cables — Method of Connecting Cabinet 0 to Switching Cabinets
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554-105-106	2	DIMENSION® 600 PBX (Formerly DIMENSION 400E PBX) Scanner/Distributor and Network Control — Maintenance Support Information
554-105-107	2	DIMENSION® 600 PBX (Formerly DIMENSION 400E PBX) — PAM Network and Port Circuits — Maintenance Support Information
554-105-108	2	DIMENSION® 600 PBX (Formerly DIMENSION 400E PBX) Central Processor — Maintenance Support Information
▲ ♣ 554-105-320	6	DIMENSION® 400E/600/600SN PBX — Installation
▲ ♣ 554-105-322	6	DIMENSION® 400E/600/600SN PBX — Feature Translations
▲ ♣ 554-105-324	6	DIMENSION® 400E/600/600SN PBX — Trouble Analysis — Alarms

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▲ ♣ 554-105-325	6	DIMENSION® 400E/600/600SN PBX — Trouble Analysis — Basic Call Types and Features	Task Oriented Practices — DIMENSION 2000 and Custom PBX		
<i>*Trademark of AT&T</i>			▲ ♣ 554-111-300	10	Installation
▲ ♣ 554-105-326	6	DIMENSION® 400E/600/600SN PBX — Tests	▲ ♣ 554-111-302	10	Feature Translations
Add 554-106-100	1		▲ ♣ 554-111-304	10	Trouble Analysis — Alarms
554-106-100	2	Energy Communications Service Adjunct — Preinstallation and Planning Information and System Description	▲ ♣ 554-111-305	10	Trouble Analysis — Features
554-106-101	2	Energy Communications Service Adjunct — Preinstallation and Planning Information and System Description	▲ ♣ 554-111-306	10	Tests
554-106-115	1	X-Ray Program Package — Operating Procedure — Energy Communications Service Adjunct (ECSA)	Business Services Design Engineering		
▲ ♣ 554-106-300	3	Energy Communications Service Adjunct (ECSA)	554-111-605	1	DIMENSION® 600/2000 Custom PBX — Basic Traffic Data and Trunk Summary
▲ ♣ 554-106-301	1	Master Remote Unit (MRU) for Energy Communications Service Adjunct (ECSA)	554-111-610	1	DIMENSION® 600/2000/Custom PBX — Originating Register Record/Touch-Tone Dialing Receiver/Touch-Tone Dialing Sender Engineering
554-111 DIMENSION 2000 and Custom PBX			554-111-615	2	DIMENSION® 600/2000/Custom PBX — Time-Division Network Engineering
★ 554-111-001	1	Business Services Engineering — General Description and Service Features	554-111-620	1	DIMENSION® 600/2000/Custom PBX — Station Message Detail Recording Engineering
★ 554-111-002	1	Business Services Engineering — Basic Equipment	554-111-625	1	DIMENSION® 600/2000/Custom PBX — Electronic Custom Telephone Service Engineering
★ 554-111-003	1	Business Services Engineering — Attendant Facilities	Add 554-111-630	1	
★ 554-111-004	1	Business Services Engineering — System Operation	554-111-630	2	Processor Community Engineering — DIMENSION® 600/2000/Custom PBX
★ 554-111-005	2	Traffic Measurements — Feature Package-7 — Business Services Traffic Engineering — Dial PBX Systems — Electronic	554-111-635	1	DIMENSION® 600/2000/Custom PBX — Centralized Attendant Service, Direct Department Calling, Uniform Call Distribution, and Attendant Position Engineering Requirements
★ 554-111-006	1	Business Services Engineering	554-111-636	1	DIMENSION® 200/Custom PBX — Automated Call Distribution and Enhanced Uniform Call Distribution Engineering
554-111-100	10	System Description and Planning Information	554-111-645	2	DIMENSION® 600/2000/Custom PBX — Business Services Design Engineering — Distributed Communications System Engineering
554-111-101	7	Preinstallation and Planning Information	554-111-650	5	DIMENSION® 600/2000/Custom PBX — Design Engineering Worksheets
★ 554-111-105	1	General Software Description and Call Processing Maintenance — Support Information	554-111-660	2	DIMENSION® 600/2000/Custom PBX — Traffic Measurements
554-111-106	2	Scanner/Distributor and Network Control — Maintenance Support Information	554-111-670	1	DIMENSION® 600/2000/Custom PBX — Average Characteristic Evaluation (ACE) Method
554-111-107	2	Pam Network and Port Circuits — Maintenance Support Information	554-191 DIMENSION PBX Feature Documents		
554-111-108	3	Central Processor — Maintenance Support Information	554-191-100 IS	10	Feature Document — Reference Guide <i>Issue 9 not suffixed</i>
♣ 554-111-115 IS	4	X-Ray Program Package — Operating Procedure — DIMENSION® 400E, 600, 2000, and Custom PBX	554-191-105	2	Interaction Cross-Reference
<i>Issue 3 not suffixed</i>			554-191-110	3	Alphanumeric Display for Attendant Position, Incoming Call Identification, Calling Number Display to Attendant, and Class-of-Service Display to Attendant

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Add 554-191-111	1		554-191-133	2	Calling Number Display to Station Feature
554-191-111	3	Attendant Conference, Meet-Me Conference and Six-Way Station Conference	554-191-135	3	Code Calling Access Feature
Add 554-191-112	1		554-191-136	6	Centralized Attendant Service With Separate Attendant Concentrator
554-191-112	6	Attendant Console and Switched Loop Operation — Features	Add 554-191-137	2	
Add 554-191-113	1		554-191-137	3	Code Restriction and Toll Restriction
554-191-113	3	Interposition Calling and Transfer — Feature	Add 554-191-138	2	
554-191-114	3	Attendant Control of Trunk Group Access (ACTGA) — Feature	554-191-138	3	Controlled Restriction Features (Except for Feature Package 9)
554-191-115	3	Attendant Direct Station Selection With Busy Lamp Field and Busy Lamp Field Features	554-191-139	1	Data Verification By Station (DVS) — Feature
554-191-116	1	Attendant Lockout and Privacy Lockout Features	Add 554-191-140	1	
554-191-117	1	Attendant Transfer — All Calls	554-191-140	2	Line Ringing, Common Audible Ringing, Abbreviated and Delayed Ringing, Ringing Transfer, and Station Ringer Cutoff
554-191-118	5	PBX Line Access and Personal Central Office Line Features	554-191-141	2	Bridged Call Feature
554-191-119	4	Automatic Callback — Calling and Automatic Callback — Busy and Don't Answer — Feature	554-191-142	2	Reserve Power Feature
554-191-120	2	Controlled Restriction — Features for Feature Package No. 9	554-191-143	1	Voice Store and Forward Interface
♣ 554-191-121 IS	2	Enhanced Uniform Call Distribution	554-191-145	2	Dial Access to Attendant Feature
<i>Issue 1 not suffixed</i>			554-191-146	3	Automatic Intercom, Dial Intercom, Manual Intercom, and Manual Signaling Features
554-191-122	4	Automatic Identified Outward Dialing (AIOD) Feature	554-191-147	2	Direct Inward Dialing (DID)
Add 554-191-123	1		554-191-149	3	Direct Outward Dialing Feature
554-191-123	3	Centralized Attendant Service With Combined PBX/Attendant Concentration Feature	554-191-150	2	Direct Trunk Group Selection Feature
554-191-124	2	Busy Verification of Station Lines Feature	554-191-151	3	Distinctive Ringing Feature
554-191-125	3	Automatic Route Selection — Feature	554-191-152	3	Foreign Exchange (FX) — Central Office (CO) — Access Feature
554-191-126	5	Call Forwarding — All Calls, Call Forwarding — All Calls — Remote — Call Forwarding — Busy and Don't Answer, and Call Forwarding — Don't Answer — Features	554-191-153	2	Listed Directory Number (LDN) Service and Multiple Listed Directory Numbers Features
554-191-127	3	Hold, I-Hold, Priority Hold, and Exclusive Hold Feature	554-191-154	3	Custom Intercom Feature
554-191-128	3	Call Hold Feature	554-191-155	3	Executive Override Feature
Add 554-191-129	3		554-191-156	2	Flexible Numbering of Stations Feature
554-191-129	1	Energy Communications Service	554-191-157	5	Flexible Numbering of Stations — Mixed Numbering and Single-Digit Dialing
554-191-130	3	Call Pickup — Feature	Add 554-191-158	1	
Add 554-191-131	1		554-191-158	1	Fully Restricted Station Feature
554-191-131	2	I-Use Indication, Line Status Indication, and Station Busy Indication Features	554-191-159	5	Facilities Administration and Control, Facilities Assurance Reports, Traffic Data to Customer, and Station Rearrangement and Change Features
Add 554-191-132	1		Add 554-191-160	1	
554-191-132	4	Attendant Call Waiting, Originating Call Waiting, and Terminating Call Waiting Features	554-191-160	2	Hot Line Service Feature
			Add 554-191-161	1	
			554-191-161	2	Idle Line Preference, Prime Line Preference, Lost Line Preference, No Line Preference, Preselection, Incoming Call Preference, and Ringing Line Preference Features

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554-191-162	2	Manual Exclusion Feature	554-191-190	3	Loudspeaker Paging
554-191-163	2	Intercept Treatment Feature	554-191-191	3	Power Failure Transfer Feature
554-191-164 IS	4	Deluxe Queuing — (Outgoing Trunk Queuing)	554-191-192	3	Split Access to Outgoing Trunks Feature
<i>Issue 3 not suffixed</i>			554-191-193	2	Recall Dial Tone and Recall Button Features
Add 554-191-166	3		554-191-194	2	Recorded Telephone Dictation — Access Feature
554-191-166	2	Call Park	Add 554-191-195	1	
Add 554-191-167	2		554-191-195	3	Remote Access to PBX Services — Feature for Feature Package 2
554-191-167	3	Trunk Verification By Station	Add 554-191-196	1	
Add 554-191-168	1		554-191-196	2	Main/Satellite Indialing Thru Main Inter-PBX Call Transfer — Inter-PBX Coordinated Station Numbering Features
554-191-168	2	Station Message Waiting Feature	554-191-197	2	Rotary Dial Calling Feature
554-191-169	5	Customer Administration Center System Feature	554-191-198	2	Route Advance Feature
Add 554-191-170	1		554-191-200	2	Two-Party Hold on Console and Serial Call Features
554-191-170	1	Visually Impaired Attendant Service Feature	Add 554-191-201	1	
554-191-171	1	Inward Restriction Feature	554-191-201	4	Speed Calling
554-191-172	5	Customer Administration Panel (ICAP) for DIMENSION 400E, 600, 2000, and Custom PBX — Feature	554-191-202	3	Automatic Station Restriction
554-191-173	1	Line Lookout With Warning Feature	554-191-203	1	One-Way Auto/Manual Splitting
554-191-174	3	Message Waiting	554-191-204	5	Remote Access to PBX Services Feature for Feature Package 8
554-191-175	3	Manual Originating Line Service Feature	554-191-205	3	Station Hunting — Circular Hunting — Station Hunting — Terminal Hunting — Features
554-191-176	1	Manual Terminating Line — Service Feature	554-191-206	4	Station Message Register Service Feature
Add 554-191-177	1		554-191-207	4	Hotel/Motel Console/Terminal Feature
554-191-177	2	Radio Paging Access Feature	554-191-208 IS	8	Station Message Detail Recording
554-191-178	2	Miscellaneous Trunk Restriction	<i>Issue 7 not suffixed</i>		
554-191-179	3	Music-on-Hold and Music-on-Hold Access Features	554-191-209	2	Station-to-Station Calling Feature
554-191-180	1	Night Console Position Feature	554-191-210	1	Straightforward Outward Completion Feature
554-191-181	3	Night Station Service — Fixed Service — Night Station Service — Full-Service, and Night Station Service — Automatic—Features	554-191-212	1	Tie Trunk Access and Tandem Tie Trunk Switching Features
Add 554-191-182	1		Add 554-191-213	1	
554-191-182	6	Uniform Call Distribution (UCD) and Direct Department Calling (DDC)	554-191-213	2	Termination Restriction — Feature
554-191-183	2	Origination Restriction	Add 554-191-214	1	
554-191-184	2	Off-Premises Stations	554-191-214	2	Through Dialing Feature
554-191-185	3	3A Code Call Access — Feature	Add 554-191-215	1	
554-191-186	4	Outgoing Trunk Queuing	554-191-215	2	Timed Reminder Feature
554-191-187	1	Outward Restriction Feature	Add 554-191-216	1	
Add 554-191-188	1		554-191-216	2	Threeway Conference Transfer Feature
554-191-188	3	Data Privacy and Data Restriction Features	554-191-217	3	Local Call Billing Feature
554-191-189	4	Automatic Wakeup Service Feature			

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554-191-219	2	Toll Terminal Access and Toll Terminal Access With Rering From Toll—Feature	554-191-245	2	Station Direct Station Selection (IDSS) Feature
554-191-220	3	Touch-Tone Calling and Touch-Tone to Dial Pulse Conversion Features	Add 554-191-246	1	
554-191-221	2	Interface for Long Distance Billing Feature	554-191-246	3	Data Communications Access Feature
554-191-222	3	Journal Printers Feature	554-191-247	2	Advanced Private Line Termination (APLT)
Add 554-191-223	1		Add 554-191-249	1	
554-191-223	1	Trunk Answer From Any Station Feature	554-191-249	1	Extended Memory Holdover
554-191-225	2	Trunk Group Busy Indicators on Attendant Position and Trunk Group Warning Indicators on Attendant Position Features	554-191-250	1	Time-of-Day Synchronization Feature
554-191-226	4	Automatic Route Selection — Deluxe and 10-Digit Conversion Feature	554-191-251	4	Uninterruptible Power Service Feature
554-191-227	3	Trunk-to-Trunk Connections	554-191-252	1	Bed Status and Selection Feature
554-191-228	4	Trunk Verification by Customer Feature	Add 554-191-253	2	
554-191-229	3	Authorization Code Feature	554-191-253	1	Hospital Console/Terminal — Feature
554-191-230	1	Local Call Billing	554-191-254	2	Emergency Access to Attendant Feature
554-191-231	2	Timed Recall on Outgoing Calls	554-191-257	3	Customer Administration Panel (CAP) — Feature — 100/400 Prelude PBX
554-191-232	3	Wide Area Telecommunications Service (WATS) Access — Feature	554-191-258	2	Force Administration Data System (FADS) — Feature
554-191-233	2	Wide Frequency Tolerant Power Plant	554-191-259	1	Attendant Release Loop Feature
554-191-234	1	Hotel/Motel Console/Terminal — DIMENSION® PRELUDE® PBX	554-191-260	1	Trunk Identification by Attendant
554-191-235	1	Automatic Wakeup Service	Add 554-191-261	1	
♣ 554-191-235 IS	2	Automatic Wakeup Service	554-191-261	1	Station Number Steering Feature
<i>Issue 1 not suffixed</i>			Add 554-191-262	1	
554-191-236	1	Room Status and Selection — DIMENSION® PRELUDE® PBX	554-191-262	2	Energy Communications Service Adjunct (ECSA)
554-191-237	4	Off-Premises Station With Call Control Feature	554-191-263	1	Energy Communications Service — Feature—Feature Package II
Add 554-191-238	1		♣ 554-191-264 IS	2	Automatic Call Distribution
554-191-238	3	Communication Interface for Property Management Systems — Feature	<i>Issue 1 not suffixed</i>		
554-191-239	2	Interface to Network Control Office Support System and Centralized Station Message Detail Recording — Local Storage Unit Feature	554-191-265	1	Malicious Call Tracing — Feature
554-191-240	3	Facilities Restriction Level and Traveling Class Mark — Features	554-191-266	1	Attendant Flash Over Trunks — Feature
554-191-241	3	Touch-Tone Senderized Operation Feature	554-191-267	1	Memory Holdover — Feature
554-191-242	6	Uniform Numbering Plan, Automatic Alternate Routing and Automatic Overflow to Direct Distance Dialing Features	554-191-268	1	Automatic Attendant Access — Feature
554-191-243	4	Automatic Circuit Assurance — Feature	554-191-269	1	Off-Hook Trunk Queuing
			554-191-270	1	Priority Queuing
			554-191-271	1	Splitting — Two-Way Manual — Feature
			554-191-272	1	Message Center—Feature
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554-191-276	1	Automatic Message Waiting—Feature	555-100-620	2	Design Engineering Worksheets
554-191-278	1	Data Switching — Level I	555-101 Release 2		
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◆ 554-191-286 IS	2	Distributed Communications System	● 555-101-105	2	X-Ray Test — Service Manual
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550-0 Indexes and General Information			555-101-600	2	Applications Engineering Manual
555-1 System 85			● 555-101-601	1	AT&T System 85 — Traffic Data Analysis Guide
-100 Release 1			555-2 SYSTEM 75		
-101 Release 2			555-200-104	1	System Installation and Test — Service Manual
555-2 System 75			555-200-105	1	System Maintenance — Service Manual
555-0 INDEXES AND GENERAL INFORMATION			555-200-108	1	Maintenance Support — Service Manual
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555-100-100	2	Systems Description	-1 Converters, Station		
555-100-101	2	Technical Requirements	-2 Miscellaneous Apparatus		
555-100-102	2	Hardware Description and Specification Manual	-3 Auxiliary Equipment		
◆ 555-100-104	3	Installation Manual	570-0 INDEXES AND GENERAL INFORMATION		
◆ 555-100-105	2	X-Ray Manual	570-000 Indexes		
555-100-106	2	Field Maintenance Manual	● ◆ 570-000-000	74	Numerical Index — Division 570 — Teletypewriter General Information — Miscellaneous Apparatus and Auxiliary Equipment
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555-100-107	2	Administration Manual	570-000-003	1	Master Cross Reference Index of Part Numbers and Associated 9-Digit Sections
555-100-108	2	Maintenance Manual	570-001 Teletypewriter Station Space Requirements		
555-100-109	2	Systems Test Manual	570-001-010	3	Teletypewriter Station Space Requirements
555-100-110	2	SMDR — System Description	570-002 Preparation of Teletypewriter Apparatus for Installation		
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555-100-600	2	Introduction to Design Engineering			
555-100-601	2	Basic Traffic Data and Trunk Summary			
555-100-602	2	Original Request Record TT Dial Receiver			
555-100-603	2	Switch Module Engineering			
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555-100-605	2	SMDR			
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570-003-010	7	Electrical Service for Teletypewriter Apparatus
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570-004-702	1	General Requirements — Disassembly and Reassembly
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570-005 Teletypewriter Tools and Maintenance Supplies		
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570-007 Teletypewriter Station Trouble Analysis Plans		
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570-009 Remote Signal Bell and Teletypewriter Installations Involving Explosive Atmospheres		
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570-010 Radio Induction Suppression Filters — General Requirements		
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570-014 Teletypewriter Station Records		
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570-015 Designation of Station and Loops		
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570-020 Type Pallets for Models 28, 35 and 37 Teletypewriter Sets		
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570-2 MISCELLANEOUS APPARATUS		
570-200 Multiple Transmitter Units and Bases		
570-200-100	1	Description
570-200-400	1	Wiring Diagram
570-200-700	1	Requirements and Adjustments
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570-201 Sotus — Sequential Selector and Selector Panel		
570-201-100	1	Description and Principles of Operation
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570-220 Motors and Motor Units			570-300-700	1	1A Tape Splicer — Requirements and Adjustments
570-220-100	4	Motor Units — Description and Principles of Operation	570-300-704	1	28A Tape Splicer — Requirements and Adjustments
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570-221-101	1	1A Typing Reperforator Cabinet — Description	570-301-110	1	Tape Winders — Spring Driven — Description
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570-223 Tape Preparation Arrangements			570-301-421	1	Paper Winders — 1A-Wiring Diagram
570-223-100	2	Keyboard Tape Punch and Keyboard Typing Tape Punch (Off-Line) — Description and Principles of Operation	Append 1	2	Paper Winders — 1A-Wiring Diagram
570-223-700	2	Keyboard Tape Punch and Keyboard Typing Tape Punch (Off-Line) — Adjustments	570-301-700	1	Tape Winders — Motor Driven — 1A, 2A, 3A, and 4A — Requirements and Adjustments
570-223-800	2	Keyboard Tape Punch (LKPE), Keyboard Typing Tape Punch (LKTP) and Cover (LKPC) Off-Line — Parts	570-301-701	1	Tape Winders — Motor Driven — 1A, 2A, 3A, and 4A — Lubrication
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570-224-300	1	TP177010 Selector Magnet Driver — Servicing	570-301-721	1	Paper Winders — 15 Type — Lubrication
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570-301-803	2	Paper Winder (PW) — Parts	570-303-204	1	131B2 Teletypewriter Subscriber Set — Installation
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570-302-204	4	122A Filter for Power Leads of Teletypewriter Sets — Installation	570-303-706	1	Line Relays — Requirements and Adjustments
570-302-302	1	Time Switches for Teletypewriter Stations — Operating Methods	570-305 Word Counters		
570-302-400	1	Rectifiers for Teletypewriter Station Apparatus — Wiring Diagram	570-305-101	1	WC-6A Word Counter — Description and Principles of Operation
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570-302-702	1	Time Switches for Teletypewriter Stations — Requirements and Adjustments	570-305-401	1	WC-6A Word Counter — Wiring Diagram
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<input type="checkbox"/>	570-307-800	1 IPBDG) — Parts <i>Information no longer required</i>	<input type="checkbox"/>	572-008-210	2 Installation of TP92225 Filter Unit for Universal Bar Contacts of 15 Perforator-Transmitter
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-1 14 Type			<input type="checkbox"/>	572-100-400	1 14-Teletypewriter — Wiring Diagram
-2 15 Type			<input type="checkbox"/>	572-100-500	1 14 Teletypewriter — Maintenance Inspections and Tests
-3 19 Type			<input type="checkbox"/>	572-100-700	2 14 Teletypewriter (Auxiliary Features) — Requirements and Adjustments
-4 20 Type			<input type="checkbox"/>	572-101-100	1 14 Typing Reperforator (Noninterfering Tape Feed Out) — Description
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<input checked="" type="checkbox"/>	◆ 572-000-000	4 Numerical Index — Division 572 — 14, 15, 19, and 20-Type Teletypewriters	<input type="checkbox"/>	572-101-701	2 14 Typing Reperforator — Lubrication
<input type="checkbox"/>	572-006-700	5 Teletypewriter Selector Mechanisms — 14, 15, and 20 Type Teletypewriters — Requirements and Adjustments	<input type="checkbox"/>	572-102-700	4 14 and 20 Nontyping Reperforator — Requirements and Adjustments
<input type="checkbox"/>	572-007-100	1 Motor Control Units Used with 14 and 15 Type Teletypewriters — Description and Principles of Operation	<input type="checkbox"/>	572-102-701	5 14 and 20 Nontyping Reperforator — Lubrication
<input type="checkbox"/>	572-007-700	1 Motor Control Units Used with 14 and 15 Type Teletypewriters — Requirements and Adjustments	<input type="checkbox"/>	572-103-400	6 14 Transmitter-Distributor — Wiring Diagram
<input type="checkbox"/>	572-008-200	3 Installation of TP93885 Filter Assembly for Sending Contacts of 14 Teletypewriters and Typing Reperforators	<input type="checkbox"/>	572-103-500	2 14 Transmitter-Distributor — Maintenance Inspections and Tests
<input type="checkbox"/>	572-008-201	2 Installation of TP97301 Filter Unit for Line Relay Contacts of 14 Teletypewriters and Typing Reperforators	<input type="checkbox"/>	572-103-700	8 14 Transmitter-Distributor — Requirements and Adjustments
<input type="checkbox"/>	572-008-202	2 Installation of TP92226 Filter Unit for Sending Segments of 14 or 20 Transmitter-Distributors	<input type="checkbox"/>	572-103-701	8 14 Transmitter-Distributor — Lubrication
<input type="checkbox"/>	572-008-203	2 Installation of TP95326 Filter Unit for DC Motor Governor and Brushes of 14 or 20 Transmitter-Distributors (End-Ring Governor)	<input type="checkbox"/>	572-104-400	1 14 Typing Unit — Wiring Diagram
<input type="checkbox"/>	572-008-204	2 Installation of TP92229 Filter Unit for Line Relay of 14 or 20 Reperforator	<input type="checkbox"/>	572-104-700	6 14 Typing Unit — Requirements and Adjustments
<input type="checkbox"/>	572-008-205	3 Installation of TP99250 Filter Unit for Motor Governor and Brushes of 14, 15, 20 Teletypewriters, 14 Typing Reperforators, 14 and 20 Nontyping Reperforators and 14 Transmitter-Distributors	<input type="checkbox"/>	572-104-701	1 14 Typing Unit — Lubrication
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<input type="checkbox"/>	572-008-208	2 Installation of TP92224 Filter Unit for Cam Pulsing Contacts of 15 Perforator-Transmitter	<input type="checkbox"/>	572-106-400	1 14 Typing Unit and 14 Typing Reperforator Units — Wiring Diagram
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572-3 19 Type		
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<input type="checkbox"/> 572-401-701	1	20 Teletypesetter Perforator with Fixed Counting Mechanism — Lubrication
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<input type="checkbox"/> 572-403-500	2	20 Reperforator — Maintenance Inspections and Tests
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- 573-100-100 1 Description
- 573-100-201 2 28 Wall Mounted Keyboard Send and Receive and Receive-Only Teletypewriter (KSR and RO) — Installation

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573-103 28 Tape Teletypewriter Set			573-116-701	3	Lubrication
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573-105 28 Self-Contained Transmitter-Distributor Set (Single-Contact and Multicontact)			573-117-701	3	Lubrication
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			573-118-800	2	28 Typing Reperforator (LPR) and 28 Tape Printer (LTP) Parts
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573-122 28 Tape Typing Unit			573-127-700	3	28B and 28C — Requirements and Adjustments
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573-122-800	1	(LTP) — Parts	573-127-703	5	28E and 28H (LXD) — Adjustments
573-123 28 Tape Teletypewriter Base			573-127-704	2	28E and 28H (LXD) — Lubrication
573-123-700	2	28 Typing Reperforator and Tape Printer Keyboards — Adjustments	573-127-705	2	28E and 28H (LXD) — Disassembly and Reassembly
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			573-127-800	2	(LAXD — Pivoted Head, Multi-contact) — Parts
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573-135 28 Typing Reperforator Cabinets, Tables, and Covers

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573-136-700	3	Requirements and Adjustments
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573-136-801	1	(LBAC) (Transmitting and Transmitting-Monitoring) — Parts
573-136-802	1	(LBAC) for Reperforator Transmitter Sets — Parts
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573-137 28 Mounting and Cover Assembly

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573-139-701	1	Lubrication
573-139-702	1	Disassembly and Reassembly
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♥ 573-620-400	1	Wiring Diagram Package	574-123 33 Call Control Unit		
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574-202 Automatic Send-Receive (ASR)

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♥ 574-202-103	2	(Online) For Switching System No. 307 — General Description and Operation
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574-204-300	2	35 Keyboard Send-Receive Tape Printer Teletypewriter Set (Troubleshooting)
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574-220-400	2	35 Typing Unit — Actual Wiring Diagrams
574-220-700	9	35 Typing Unit — Adjustments
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574-221 Keyboard and Base for KSR and RO Sets

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574-221-400	2	35 Keyboard and Base for Send-Receive and Receive Only Sets — Actual Wiring Diagrams
574-221-700	7	35 Keyboard and Base for Keyboard Send-Receive and Receive-Only Sets — Adjustments
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574-221-800	6	35 Send Receive Keyboard (LK) and Receive-Only Base (LB) — Parts	574-225-701	3	35 Transmitter Distributor — Lubrication
574-222 Keyboard for ASR Sets			574-225-702	1	35 Transmitter Distributor — Disassembly and Reassembly
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574-222-700	7	35 Keyboard for Automatic Send-Receiver Sets — Adjustments	574-226-100	4	35 Electrical Service Unit — General Description and Principles of Operation
574-222-701	4	35 Keyboard for Automatic Send-Receive Sets — Lubrication	574-226-400	3	35 Electrical Service Unit — Actual Wiring Diagrams
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574-223 Transmitter-Distributor Base Assembly			574-226-801	4	35 Electrical Service Unit (LESU) for ASR Sets — Parts
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574-224-700	6	35 Nontyping Reperforator — Adjustments	574-228-700	5	35 Cabinet for Automatic Send-Receive Teletypewriter Set — Adjustments
574-224-701	5	35 Non-Typing Reperforator — Lubrication	574-228-701	2	35 Cabinet for Automatic Send-Receive Teletypewriter Sets — Lubrication
574-224-702	2	35 Non-Typing Reperforator — Disassembly and Reassembly	574-228-800	5	35 Automatic Send-Receive Cabinet (LAAC) — ASR — Parts
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574-225-100	2	35 Transmitter Distributor — General Description and Principles of Operation	574-229-700	5	35 Cabinets for Keyboard Send-Receive and Receive-Only Sets — Adjustments
574-225-400	3	35 Transmitter Distributor — Actual Wiring Diagrams	574-229-701	3	35 Cabinets for Keyboard Send-Receive and Receive Only Sets — Lubrication

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574-229-801	1	35 Wall Mounted Cabinet (IPC) KSR/RO — Parts
574-230 Receiving Only Typing Reperforator Cover and Keyboard Tape Printer Cover		
574-230-100	3	35 Keyboard Tape Printer Cover — Description, Adjustments, and Lubrication
574-230-101	1	35 Receive-Only Typing Reperforator Cover — Description and Adjustments
574-230-800	3	35 R-O Reperforator Cover (IRC) and 35 S-R Tape Printer Cover (ISRC) — Parts
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574-231-100	4	35 Tape Printer — Description and Principles of Operation
574-231-401	2	35 Tape Printer — Actual Wiring Diagram
574-231-700	5	35 Tape Printer — Adjustments
574-231-701	3	35 Tape Printer — Lubrication
574-231-702	2	35 Tape Printer — Disassembly and Reassembly
574-231-802	1	35 Tape Printer (LTP) — Parts
574-232 Tape Printer Keyboard and Receive Only Typing Reperforator Base		
574-232-100	3	35 Tape Printer Keyboard — Description and Principles of Operation
574-232-101	1	35 Reperforator Bases — Description and Principles of Operation
574-232-401	2	35 Tape Printer Keyboard and 35 Receiving Only Typing Reperforator Base — Actual Wiring Diagrams
♥ 574-232-402	1	35 Auxiliary Typing Reperforator Base Used in 35 Automatic Send-Receive Teletypewriter Set — (Online) for Switching System No. 307 — Actual Wiring Diagram
574-232-700	4	35 Tape Printer Keyboard — Adjustments
574-232-701	3	35 Tape Printer Keyboard Lubrication
574-232-702	2	35 Tape Printer Keyboard — Disassembly and Reassembly
574-232-703	1	35 Reperforator Bases — Adjustments
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574-232-800	3	35 Tape Printer Keyboard (LTPK) — Parts
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574-233-700	6	35 Typing Reperforator — Adjustments
574-233-701	4	35 Typing Reperforator — Lubrication
574-233-702	2	35 Typing Reperforator — Disassembly and Reassembly
574-233-800	4	35 Typing Reperforator (LPR) and 35 Tape Printer (LTP) — Parts
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574-234 Receiving Only Reperforator Table

574-234-100	3	35 Receiving Only Reperforator Table — General Description and Principles of Operation
574-234-400	2	35 Receiving Only Reperforator Table — Actual Wiring Diagrams
574-234-700	3	35 Receiving Only Reperforator Table — Adjustments
574-234-701	3	35 Receiving Only Reperforator Table — Lubrication
574-234-800	3	35 Reperforator Table (LTI) — Parts

574-235 Answer-Back Assembly

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574-235-200	1	28 and 35 Answer-Back Unit — Installation
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574-235-700	6	28 and 35 Answer-Back Unit — Adjustments
574-235-701	5	28 and 35 Answer-Back Unit — Lubrication
574-235-702	1	28 and 35 Answer-Back Unit — Disassembly and Reassembly
574-235-800	4	28 and 35 Answer Back Unit — Parts

574-236 Tape Reader (Parallel Output)

574-236-800	2	35 Transmitter (IX) — Parts
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574-237 Multiple Wire Distributor

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574-237-700	2	35 Multiple Wire Distributor — Adjustments
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574-238 Mechanical Code Converter

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♥ 574-238-700	1	For Switching System No. 307 — Adjustments	♥ 574-244-700	2	Adjustments
♥ 574-238-702	1	For Switching System No. 307 — Disassembly and Reassembly	♥ 574-244-701	2	Lubrication
574-238-800	2	(IXCC) — 8 to 5 Level and Table (LT) — Parts	♥ 574-244-702	2	Disassembly and Reassembly
574-239 Transmitter-Distributor (Multicontact)			574-244-800	3	Reperforator Base (LEPRB) — Parts
574-239-100	3	35 Transmitter-Distributor Unit (Multicontact) — Description and Principles of Operation	574-245 35 Edge Punched Card Typing Reperforator Cover		
574-239-700	2	35 Transmitter-Distributor (Multicontact) — Adjustments	♥ 574-245-100	2	General Information
574-239-701	2	35 Transmitter-Distributor Unit (Multicontact) — Lubrication	574-245-800	2	Reperforator Cover (LEPRC) — Parts
574-239-702	1	35 Transmitter-Distributor (Multicontact) — Disassembly and Reassembly	574-246 35 Edge Punched Card Feeder		
574-240 Multimagnet Nontyping Reperforator			♥ 574-246-200	2	Installation
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574-241 Base for Receiving Selector			♥ 574-246-700	2	Adjustments
574-241-700	1	35 Base for Receiving Selector and Multiple Wire Distributor	♥ 574-246-701	2	Lubrication
574-242 35 Edge Punched Card Reader (Transmitter Distributor)			♥ 574-246-702	2	Disassembly and Reassembly
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♥ 574-242-200	2	Installation	574-247 35 Edge Punched Card Tables		
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574-243 35 Edge Punched Card Punch (Keyboard Typing Reperforator)			574-3 TYPE 37 EQUIPMENT		
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♥ 574-243-700	3	Adjustments	574-300-102	1	General Description
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♥ 574-243-702	2	Disassembly and Reassembly	574-300-301	1	No. 1 ESS-ADF (ADNET) and 85/86 Selective Calling Service — Troubleshooting
574-243-800	3	Reperforator (LEPRI) — Parts	574-300-400	1	For Switched Network Service — Wiring Diagram and Circuit Descriptions
574-244 35 Edge Punched Card Typing Reperforator Base			574-300-702	1	Removal and Replacement of Components
♥ 574-244-100	2	Description and Principles of Operation	574-301 37 Keyboard Send-Receive Set		
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574-302 37 Automatic Send-Receive Set		
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574-302-200	2	Installation
574-302-300	1	For Switched Network Service — Troubleshooting
574-302-301	1	No. 1 ESS-ADF (ADNET) and 85/86 Selective Calling Service — Troubleshooting
574-302-400	1	For Switched Network Service — Wiring Diagram and Circuit Descriptions
574-302-702	1	Component Removal and Replacement
574-303 37 ROTR Set		
574-303-100	2	Description and Operation
574-303-200	1	Reperforator (ROTR) Set — Installation
574-303-300	1	Troubleshooting
574-303-702	1	Removal and Replacement of Components
574-304 37 KSR Used In Telegraph Testboards		
<input type="checkbox"/> 574-304-200	2	Installation <i>Info no longer required</i>
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574-320 37 Typing Unit		
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574-320-400	1	Wiring Diagrams
574-320-700	5	Adjustments
574-320-701	3	Lubrication
Add 574-320-703	1	
574-320-703	2	(P003 and Higher) — Adjustments
Add 574-320-704	1	
574-320-704	2	Lubrication
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574-320-705	2	Disassembly and Reassembly
574-320-800	2	(YP) — Parts
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574-321-400	1	Wiring Diagram
574-321-703	2	37 Keyboard — Adjustments
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574-322 37 Electrical Service Unit		
574-322-101	1	Description and Operation
574-322-102	1	YESU 823, 825, 827, 829 — Description and Operation
574-322-104	1	YESU 803, 806, 814, 815, 823, and 826 — Description and Operation
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574-322-400	1	Wiring Diagrams
574-322-801	5	(YESU) — Parts
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574-323 37 Teletypewriter Table		
574-323-101	2	Description and Operation
574-323-102	1	37 Receive-Only — Typing Reperforator (ROTR) Table — Description, Adjustments, and Lubrication
574-323-703	2	Adjustments
574-323-801	5	(YT) — Parts
574-323-802	2	37 Reperforator Table (YT) — Parts
574-325 37 Answer-Back Unit		
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574-325-101	1	(Y AB802) Description and Principles of Operation
574-325-400	1	Wiring Diagrams
574-325-700	4	Adjustments
574-325-701	3	Lubrication
574-325-703	1	Adjustments
574-325-704	1	Lubrication
574-325-800	1	Parts
574-325-801	2	(YAB)
574-326 37 Teletypewriter Cover		
574-326-101	2	37 Typing Unit Cover and Pan — Description and Operation

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574-326-703	2	37 Typing Unit Cover and Pan — Adjustments	574-331-100	2	Typing Unit Base — Description and Operation, Adjustments, Lubrication, and Disassembly and Reassembly
574-326-704	2	37 Typing Unit Cover and Pan — Lubrication	574-331-101	1	Receive-Only Typing Reperforator Base — Description and Operation, Adjustments and Lubrication
574-326-801	4	37 Page Printer Cover (YPC) — Parts	574-331-400	1	Wiring Diagrams
574-326-802	2	37 Reperforator Cover (YRC) — Parts	574-331-800	4	(YBI) — Parts
574-327 37 Tape Cabinet (YAC)			574-331-801	3	(YRB) — Parts
574-327-100	2	Description and Operation	574-332 37 Paper Winder		
574-327-700	1	Adjustment	574-332-100	1	For Friction Feed Sets
574-327-701	1	Lubrication	574-332-400	1	Wiring Diagram
574-327-800	4	Apparatus Parts	574-332-800	2	Parts
574-329 Nontyping Reperforator			574-5 TELEPRINTERS		
574-329-100	1	Description and Principles of Operation	574-500 43 KSR Station		
574-329-101	1	37 — YRPE808 and 809 — Description and Principles of Operation	574-500-100	4	43 Teleprinter Basic — General Description
574-329-400	1	37 Reperforators — Wiring Diagrams	574-500-101	2	43 Teleprinter 8-Level Buffered Send/Receive (BSR) Station — General Description
574-329-700	2	37 — Adjustments	574-500-102	2	43 Teleprinter 8-Level Buffered Selected Calling (BSC) Station — General Description
574-329-702	1	Disassembly and Reassembly	574-500-103	2	43 Teleprinter 5-Level Buffered Selective Calling (BSC) Station — General Description
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574-329-703	1	YRPE 808 and 809 — Adjustments	574-500-200	6	43 Basic Teleprinter — Installation and Removal
574-329-704	1	37 — YRPE808 and YRPE809 — Lubrication	574-500-201	2	43 Teleprinter 8-Level Buffered Send/Receive (BSR) Station — Installation and Removal
574-329-705	1	37 YRPE808 and 809 — Disassembly and Reassembly	574-500-202	2	43 Teleprinter 8-Level Buffered Selective Calling (BSC) Station — Installation and Removal
574-329-800	2	(YRPE) — Parts	574-500-203	2	43 Teleprinter 5-Level Buffered Selective Calling (BSC) Station — Installation and Removal
Append 1	2	(YRPE) — Parts	574-500-210	5	43 Teleprinter — Engineering Options
Append 2	2	(YRPE) — Parts	574-500-300	3	43 Basic KSR Teleprinter — Troubleshooting
574-329-801	3	37 Non-Typing Reperforator (YRPE) (Late Design YRPE 808 and Up)	574-500-301	2	43 Basic RO Teleprinter — Troubleshooting
Append 1	3	37 Non-Typing Reperforator (YRPE) (Late Design YRPE 808 and Up)	574-500-302	2	43 Teleprinter 8-Level Buffered Send/Receiver (BSR) Station — Troubleshooting
574-330 37 Reperforator			574-500-303	1	43 Teleprinter 8-Level Buffered Selective Calling (BSC) Station — Troubleshooting
574-330-100	1	Description and Principles of Operation			
574-330-400	1	Wiring Diagrams			
Add 574-330-700	1				
574-330-700	2	Adjustments			
574-330-701	2	Lubrication			
574-330-702	2	Disassembly and Reassembly			
574-330-800	4	(YPR) — Parts			
Append 1	4	(YPR) — Parts			

Section Number	Issue	Subject	Section Number	Issue	Subject
574-500-304	2	43 Teleprinter 5-Level Buffered Selective Calling (BSC) Station — Troubleshooting	574-503 Enclosures and Paper Handling		
574-500-400	3	43 Basic Teleprinter — Wiring	574-503-700	3	43 Enclosures and Paper Handling — Adjustments
574-500-401	1	43 Buffered KSR Teleprinter — Wiring	574-503-800	4	43 Enclosures and Paper Handling — Parts
574-500-500	3	43 Basic KSR Teleprinter — Testing	574-504 43 Teleprinter 5-Level Paper Tape Unit		
574-500-501	2	43 RO Teleprinter — Testing	574-504-100	2	General Description
574-500-502	2	43 Teleprinter 8-Level Buffered Send/Receive (BSR) Station	574-504-200	1	Installation and Removal
574-500-503	2	43 Teleprinter 8-Level Buffered Selective Calling (BSC) Station — Testing	574-504-300	2	Troubleshooting
574-500-504	3	43 Teleprinter 5-Level Buffered Selective Calling (BSC) Station — Testing	574-504-400	1	Wiring
574-500-720	4	43 Teleprinter — Disassembly/Reassembly	574-504-500	1	Testing
574-500-750	4	43 Teleprinter — Routine Maintenance	574-504-720	1	Disassembly/Reassembly
574-500-800	5	43 Teleprinter — Parts	574-504-750	1	Routine Maintenance
			574-504-800	1	Parts
574-501 43 Printer			574-505 43 Teleprinter 5-Level Paper Tape Punch Assembly		
574-501-300	4	Friction and Sprocket Feed Printer — Troubleshooting	574-505-300	1	Punch Assembly — Troubleshooting
574-501-301	1	43 Tractor Feed Printer — Troubleshooting	574-505-400	1	Wiring
574-501-400	4	Wiring	574-505-700	1	Adjustments and Spring Tensions
574-501-700	4	Adjustments and Spring Tensions	574-505-710	1	Lubrication
574-501-701	1	43-Tractor Feed Printer — Adjustments and Spring Tensions	574-505-720	1	Disassembly/Reassembly
574-501-710	4	Lubrication	574-505-800	1	Parts
574-501-711	1	43 Tractor Feed Printer — Lubrication	574-506 43 Teleprinter 5-Level Paper Tape Reader Assembly		
574-501-720	4	43 Friction and Sprocket Feed Printer — Disassembly/Reassembly	574-506-300	1	Troubleshooting
574-501-721	1	43 Tractor Feed Printer — Disassembly/Reassembly	574-506-400	1	Wiring
574-501-800	4	Parts	574-506-700	1	Adjustments and Spring Tensions
574-501-801	1	43 Tractor Feed Printer — Parts	574-506-710	1	Lubrication
			574-506-720	1	Disassembly/Reassembly
574-502 43 Keyboard			574-506-800	1	Parts
574-502-300	4	43 Basic Keyboard — Troubleshooting	574-507 43 Teleprinter 5-Level Paper Tape Motor Area		
574-502-301	1	43 Buffered Keyboard — Troubleshooting	574-507-400	1	Wiring
574-502-400	4	43 Basic Keyboard — Wiring	574-507-700	1	Adjustments
574-502-401	1	43 Buffered Operator Console — Wiring	574-507-720	1	Disassembly/Reassembly
574-502-720	5	43 Keyboard — Disassembly/Reassembly	574-507-800	1	Parts
574-502-800	5	43 Keyboard — Parts	574-508 43 Teleprinter 5-Level Paper Tape Power Supply		
			574-508-300	1	Troubleshooting
			574-508-400	1	Wiring
			574-508-700	1	Adjustments

Section Number	Issue	Subject	Section Number	Issue	Subject
574-508-720	1	Disassembly/Reassembly	<input type="checkbox"/> 578-100-700	4	Series 2510 — With CDDC801 or CDDC803 Module — Electronic Adjustments
574-508-800	1	Parts			<i>Info no longer required</i>
574-509 43 Teleprinter 5-Level Paper Tape Handling and Enclosures			<input type="checkbox"/> 578-100-701	4	2510 or 2511 — Mechanical Adjustments and Lubrication
574-509-400	1	Wiring			<i>Info no longer required</i>
574-509-700	1	Adjustments and Spring Tensions	<input type="checkbox"/> 578-100-702	3	Series 2510 and 2511 — Removal and Replacement of Components
574-509-800	1	Parts			<i>Info no longer required</i>
574-510 43 Teleprinter 5-Level Paper Tape Rear Frame and Miscellaneous			<input type="checkbox"/> 578-100-703	3	Keyboard and Electronic Interface — Adjustments
574-510-400	1	Wiring			<i>Info no longer required</i>
574-510-800	1	Parts	<input type="checkbox"/> 578-100-704	3	Keyboard and Electronic Interface — Lubrication
574-550 1000 (KSR/RO)					<i>Info no longer required</i>
574-550-100	1	Description	<input type="checkbox"/> 578-100-705	3	Keyboard and Electronic Interface — Disassembly and Reassembly
574-550-200	1	Installation			<i>Info no longer required</i>
574-550-300	1	Maintenance	<input type="checkbox"/> 578-100-800	4	Series 2510 and 2511 — Cabinet — Parts
					<i>Info no longer required</i>
<hr/> DIVISION 578 — MISCELLANEOUS DATA TERMINALS <hr/>			<input type="checkbox"/> 578-100-801	4	Series 2510 and 2511 — Keyboard and Control Panel
					<i>Info no longer required</i>
578-0		Indexes	<input type="checkbox"/> 578-100-802	4	Series 2510, 2511, 2540 and 2541 — Module and Power Supplies — Parts
-1		Communication Display Terminals (CDT)			<i>Info no longer required</i>
-2		Parity Failure Detector	<input type="checkbox"/> 578-101-100	2	Series 2511 — With CDDC802 Module — General Description and Operation
-3		DATASPEED® Magnetic Tape			<i>Info no longer required</i>
-4		Peripheral Data Terminal Equipment	<input type="checkbox"/> 578-101-200	2	2511 — With CDDC802 Module — Installation and Checkout Procedures
-5		Printing Terminals			<i>Info no longer required</i>
578-0 INDEXES			<input type="checkbox"/> 578-101-300	2	2511 — With a CDDC802 Module — Troubleshooting
•	◆	578-000-000 41 Numerical Index — Division 578 — Miscellaneous Data Terminals			<i>Info no longer required</i>
578-1 COMMUNICATION DISPLAY TERMINALS (CDT)			<input type="checkbox"/> 578-101-700	2	Series 2511 — With CDDC802 Module — Electronic Adjustments
<input type="checkbox"/>		578-100-100 4 Series 2510 — With CDDC801 or CDDC803 Module — General Description and Operation			<i>Info no longer required</i>
		<i>Info no longer required</i>	<input type="checkbox"/> 578-110-100	2	CDIF801, CDIF802, CDIF803, CDIF805, CDIF806, and CDIF816 — Description and Principles of Operation
<input type="checkbox"/>		578-100-102 3 2510 or 2511 — CDAC801 or CDAC802 Enclosure — Description			<i>Info no longer required</i>
		<i>Info no longer required</i>	<input type="checkbox"/> 578-110-101	2	Communications Display Terminals (CDT) — CDIF 814 Station Controller Interface Module — Description and Principles of Operation
<input type="checkbox"/>		578-100-103 3 Keyboard and Electronic Interface — Description and Principles of Operation			<i>Info no longer required</i>
		<i>Info no longer required</i>	<input type="checkbox"/> 578-110-102	1	Interface Module (CDIF810) — Description and Principles of Operation
<input type="checkbox"/>		578-100-200 4 2510 — With CDDC801 or CDDC803 Module — Installation and Checkout Procedures			<i>Info no longer required</i>
		<i>Info no longer required</i>			
<input type="checkbox"/>		578-100-300 2 2510 — With CDDC801 or CDDC803 Module — Troubleshooting			
		<i>Info no longer required</i>			

Section Number	Issue	Subject
<input type="checkbox"/> 578-110-200	2	CDIF801, CDIF802, CDIF803, CDIF05, CDIF806, and CDIF816 — Installation and Programming <i>Info no longer required</i>
<input type="checkbox"/> 578-110-201	2	CDIF814 Station Controller Interface Module — Installation <i>Info no longer required</i>
<input type="checkbox"/> 578-110-202	1	Interface Module CDIF810 — Installation <i>Info no longer required</i>
<input type="checkbox"/> 578-110-300	2	Modules CDIF801, CDIF802 and CDIF803 — Checkout and Troubleshooting <i>Info no longer required</i>
<input type="checkbox"/> 578-110-302	2	Interface Module CDIF810 — Checkout and Troubleshooting <i>Info no longer required</i>
<input type="checkbox"/> 578-110-303	1	CDIF814 Station Controller Interface Module — Troubleshooting <i>Info no longer required</i>
<input type="checkbox"/> 578-120-100	2	Buffer Modules CDBU801 and CDBU802 — Description and Principles of Operation <i>Info no longer required</i>
<input type="checkbox"/> 578-120-101	2	Buffer Module CDBU804 for use With the Station Controller Interface Module — Description and Principles of Operation <i>Info no longer required</i>
<input type="checkbox"/> 578-120-200	2	Buffer Modules CDBU801 and CDBU802 — Installation and Checkout <i>Info no longer required</i>
<input type="checkbox"/> 578-120-201	2	Buffer Module CDBU804 for Use With the Station Controller Interface Module — Installation, Checkout and Troubleshooting <i>Info no longer required</i>
<input type="checkbox"/> 578-120-300	2	Buffer Modules CDBU801 and CDBU802 — Troubleshooting <i>Info no longer required</i>
<input type="checkbox"/> 578-140-100	3	Series 2540 Dependent Buffer Sets — Description and Principles of Operation <i>Info no longer required</i>
<input type="checkbox"/> 578-140-101	2	Series 2540 and 2541 Buffer Set — With CDAC851 Enclosure — Description and Operation <i>Info no longer required</i>
<input type="checkbox"/> 578-140-200	4	Series 2540 Dependent Buffer Sets — Installation, Checkout, and Troubleshooting <i>Info no longer required</i>
<input type="checkbox"/> 578-140-700	2	Series 2540 and 2541 Buffer Sets — Mechanical Adjustments, Lubrication and Removal and Replacement of Components <i>Info no longer required</i>
<input type="checkbox"/> 578-140-800	2	Series 2540 and 2541 Buffer and Interface Sets — Cabinet — Parts <i>Info no longer required</i>

Section Number	Issue	Subject
<input type="checkbox"/> 578-141-100	1	Series 2541 Buffer/Interface Sets — Description and Principles of Operation <i>Info no longer required</i>
<input type="checkbox"/> 578-141-103	1	CDBU805 Buffer Module for 2541 Buffer/Interface Sets — General Description and Operation <i>Info no longer required</i>
<input type="checkbox"/> 578-141-104	1	Buffer Module CDBU806 for 2541 Buffer/Interface Sets — Description and Operation <i>Info no longer required</i>
<input type="checkbox"/> 578-141-200	2	Series 2541 Buffer/Interface Sets — Installation, Checkout, and Troubleshooting <i>Info no longer required</i>
<input type="checkbox"/> 578-141-203	1	CDBU805 Buffer Module for 2541 Buffer/Interface Sets — Installation <i>Info no longer required</i>
<input type="checkbox"/> 578-141-204	1	CDBU806 Buffer Module for 2541 Buffer/Interface Sets — Installation, Checkout, and Troubleshooting <i>Info no longer required</i>
<input type="checkbox"/> 578-150-100	2	Series 2550 Cluster Controller — General Description and Principles of Operation <i>Info no longer required</i>
<input type="checkbox"/> 578-150-200	2	Series 2550 Cluster Controller — Installation <i>Info no longer required</i>
<input type="checkbox"/> 578-150-300	2	Series 2550 Cluster Controller — Troubleshooting <i>Info no longer required</i>
<input type="checkbox"/> 578-150-700	1	Series 2550 Cluster Controller — Adjustments and Lubrication <i>Info no longer required</i>
<input type="checkbox"/> 578-150-800	3	Series 2550 — Cluster Controller — Parts <i>Info no longer required</i>
578-160-100	1	VUSET* DS150A Data Terminal — Description, Installation, and Maintenance
578-160-101	1	VUSET* DS150C Data Terminal and Alphanumeric Keyboard — Description and Operation
578-160-102	1	VUSET* DS150C Data Terminal — Description, Installation, and Operation <i>*Registered trademark of Plantronics, Inc.</i>
578-160-103	1	VUSET* Alphanumeric Keyboard (For Use With VUSET DS150C Data Terminal) — Description, Installation, Operation, and Maintenance
578-160-104	1	VUSET* Dual Tone Multi-Frequency (DTMF) System — Description and Operation
578-160-105	1	VUSET* DS150C Data Terminal — Maintenance
578-2 PARITY FAILURE DETECTOR		
<input type="checkbox"/> 578-200-100	1	Description and Principles of Operation <i>Info no longer required</i>

Section Number	Issue	Subject	Section Number	Issue	Subject
<input type="checkbox"/>	578-200-101	1 Substitute Character Inserter (ISA 120) — Description and Principles of Operation <i>Info no longer required</i>	578-400-500	3	COMM-STOR* II — Testing and Troubleshooting Procedures
<input type="checkbox"/>	578-200-200	1 Installation <i>Info no longer required</i>	578-400-501	1	COMM-STOR* II — Equipped With 8A1/8B1 Protocol Option — Testing and Troubleshooting Procedures
<input type="checkbox"/>	578-200-201	1 Substitute Character Inserter (ISA120) — Installation <i>Info no longer required</i>	578-400-502	1	COMM-STOR* II — Station Message Detail Recording (SMDR) Feature — Testing and Troubleshooting Procedures
<input type="checkbox"/>	578-200-300	1 Checkout and Troubleshooting <i>Info no longer required</i>	578-400-503	1	Line Control Unit (LCU) — Test and Troubleshooting Procedures — COMM-STOR* II Communications Storage Unit
<input type="checkbox"/>	578-200-301	1 Substitute Character Inserter (ISA120) — Checkout and Troubleshooting <i>Info no longer required</i>	578-400-700	2	COMM-STOR* II — Disassembly and Reassembly and Parts
<input type="checkbox"/>	578-200-800	2 (ISA 110) — Parts <i>Info no longer required</i>	578-400-750	2	COMM-STOR* II — Routine Maintenance Procedures
<input type="checkbox"/>	578-200-801	2 (ISA 120) — Parts <i>Info no longer required</i>			
578-3 DATASPEED® MAGNETIC TAPE			578-5 PRINTING TERMINALS		
	578-300-100	4 General Description	578-500 DATASPEED® Printer		
	578-300-701	3 Cabinets — Adjustments	<input type="checkbox"/>	App 578-500-100	2
	578-300-702	3 Removal and Replacement of Components	<input type="checkbox"/>	App 578-500-100	1
	578-300-703	3 Disassembly and Reassembly	<input type="checkbox"/>	578-500-100	3 Receive-Only Station — General Description and Operation <i>Info no longer required</i>
	578-300-800	4 (DMAC, DMAM, DMT, DME) — Parts	<input type="checkbox"/>	578-500-110	3 Printer Recorder and Paper Transport — Description and Principles of Operation <i>Info no longer required</i>
578-4 PERIPHERAL DATA TERMINAL EQUIPMENT			<input type="checkbox"/>	578-500-111	4 Printer (Receive-Only) Electronic Circuits — Description and Principles of Operation <i>Info no longer required</i>
578-400 Communications Storage Unit			<input type="checkbox"/>	578-500-112	3 (Receive-Only) Enclosures and Paper Handling — Description and Principles of Operation <i>Info no longer required</i>
	578-400-100	2 COMM-STOR* II — Description and Operation	<input type="checkbox"/>	App 578-500-200	3
	578-400-101	1 COMM-STOR* II — Equipped With 8A1/8B1 Protocol Option — Description and Operation	<input type="checkbox"/>	App 578-500-200	2
	578-400-102	1 COMM-STOR* II — Station Message Detail Recording (SMDR) Feature — Description and Operation	<input type="checkbox"/>	App 578-500-200	1
	578-400-103	1 Line Control Unit (LCU) — Description and Operation — COMM-STOR* II Communications Storage Unit	<input type="checkbox"/>	578-500-200	3 Receive-Only Station — Installation <i>Info no longer required</i>
	578-400-200	2 COMM-STOR* II — Installation Procedures <i>*Registered trademark of Sykes Datatronics, Inc.</i>	<input type="checkbox"/>	App 578-500-300	3
	578-400-201	1 COMM-STOR* II — Installation Procedures for 8A1/8B1 Protocol Option	<input type="checkbox"/>	578-500-300	3 Receive-Only Station — Checkout and Troubleshooting <i>Info no longer required</i>
	578-400-202	1 COMM-STOR* II Communication Storage Unit — Station Message Detail Recording (SMDR) Feature — Installation Procedures	<input type="checkbox"/>	578-500-700	3 Recorder and Paper Transport — Adjustments and Lubrication <i>Info no longer required</i>
	578-400-203	1 Line Control Unit (LCU) — Installation Procedures — COMM-STOR* II Communications Storage Unit	<input type="checkbox"/>	578-500-701	3 (Receive-Only) Enclosures and Paper Handling — Adjustments and Lubrication <i>Info no longer required</i>
	578-400-400	2 COMM-STOR* II — Wiring Diagrams	<input type="checkbox"/>	578-500-702	1 (Receive-Only) Removal and Replacement of Components <i>Info no longer required</i>
			<input type="checkbox"/>	578-500-703	1 Recorder and Paper Transport — Disassembly and Reassembly <i>Info no longer required</i>

Section Number	Issue	Subject
□ 578-500-800	3	Page Recorder (DAR) and Paper Transport (DAT) — Parts <i>Info no longer required</i>
□ 578-500-801	3	Cover Base (DAB), Cover (DARC), Cabinet (DAC) and Paper Handling <i>Info no longer required</i>
□ 578-500-802	3	Modules and Electrical Components — Parts <i>Info no longer required</i>
□ 578-500-803	2	Recorder (DAR) and Paper Transport (DAT) for 2101AB and 2110AB DATASPEED® Printer Terminal <i>Info no longer required</i>
□ 578-500-804	2	201AB DATASPEED® Printer Receive-Only Cover Base (DAB), Cover (DARC), Cabinet (DAC) and Paper Handling <i>Info no longer required</i>
□ 578-500-805	2	Modules and Electrical Components for 2101AB and 2110AB DATASPEED® — Printer Terminal <i>Info no longer required</i>

DIVISION 579 — TELETYPEWRITER — FIELD MAINTENANCE PRACTICES — FIELD INSTALLATION MAINTENANCE PRACTICES

- 579-0 Index and General
- 2 Models 33 and 35 Teletypewriters
- 4 Model 37 Teletypewriter
- 5 DATASPEED® Services

579-0 INDEX AND GENERAL

- ♣ 579-000-000 19 Numerical Index — Division 579 — Teletypewriter — Field Maintenance Practices/Field Installation Maintenance Practices

579-2 MODELS 33 AND 35 TELETYPEWRITERS

- ♣ 579-200-350 2 TWX Station
Info no longer required
- ♣ 579-201-350 1 Model 33 Teletypewriter Stations for Private Line (General Purpose Point-to-Point) and "DATA-PHONE" Services
Info no longer required
- ♣ 579-210-350 1 Model 35 Private Line Stations
Info no longer required

579-4 MODEL 37 TELETYPEWRITER

- ♣ 579-400-350 2 DATA-PHONE Station — KSR
Info no longer required
- ♣ 579-401-350 1 Teletypewriter Sets
Info no longer required

579-5 DATASPEED® SERVICES

579-504 Magnetic Tape

- ♣ 579-504-350 4 Terminal for "DATAPHONE®" Service

Section Number	Issue	Subject
579-505 DATASPEED® 40		
579-505-352	2	Field Installation Maintenance Practice BISP — DATASPEED 40 Terminals FIMP Station Arrangements

DIVISION 580 — TELETYPEWRITER SWITCHING SYSTEMS

- 580-0 General Information, General Instructions, and Indexes
- 1 81-Type Teletypewriter Switching Systems
- 3 No. 1 ESS-ADF — Half Duplex and Full Duplex

580-0 GENERAL INFORMATION, GENERAL INSTRUCTIONS, AND INDEXES

- ♣ 580-000-000 7 Numerical Index — Division 580 — Teletypewriter Switching Systems

580-1 81-TYPE TELETYPEWRITER SWITCHING SYSTEMS

- 580-100-400 2 Tables Used With 81-Type Teletypewriter Switching Systems — Wiring Diagram
- 580-100-500 3 Outlying Stations — Station Performance Tests
- 580-101-100 2 81D1 — Description
- 580-101-101 2 Improvements in 81D1 Teletypewriter Switching System Including 100 Speed Operation — Description
- 580-101-102 1 81D1 — Sequential Selector Unit — BS6L Mechanical Timer and Function Shaft Cycle Timing
- 580-101-300 2 81D1 — Instructions for Patching Circuit Units and Machines at Switching Centers
- 580-101-400 3 81D1 — Station Control Circuit and SOTUS Unit — Relay Functions
- 580-101-401 1 81D1 — Switching Center Circuits — Theory Schematics
- 580-101-402 3 81D1 — BS6L Sequential Selector — SOTUS Lever Arrangement and Assembly
- 580-101-500 1 81D1 — Testing and Maintenance Procedures

580-3 NO. 1 ESS-ADF — HALF-DUPLEX AND FULL DUPLEX

(Due to its limited need, 580-3, which is being released on this BSPM, will not be given distribution on standing orders. Locations requiring these sections should place a regular one-time order for them.)

- 580-301-100 1 Half-Duplex 100-Word Per Minute Data Station — Using 4-Row Teletypewriters — Description and Operation
- 580-301-101 1 Full-Duplex — 100-Word Per Minute Data Station — Using 4-Row Teletypewriters — Description and Operation

Section Number	Issue	Subject
580-301-102	1	Half-Duplex — 150-Word Per Minute Data Station — Using 4-Row Teletypewriters — Description and Operation
580-301-200	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Installation
580-301-201	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Installation
580-301-202	1	Half-Duplex — 150 Word Per Minute Data Station — Using 4-Row Teletypewriters — Installation
580-301-300	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Maintenance
580-301-301	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Maintenance
580-301-302	1	Half-Duplex — 150 Word Per Minute Data Station — Using 4-Row Teletypewriters — Maintenance
580-301-400	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Wiring
580-301-401	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Wiring
580-301-402	1	Half-Duplex — 150 Word Per Minute Data Station — Using 4-Row Teletypewriters — Wiring
580-301-500	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Test Procedures
580-301-501	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriters — Test Procedures
580-301-502	1	Half-Duplex — 150 Word Per Minute Data Station — Using 4-Row Teletypewriters — Test Procedures
580-301-700	1	Half-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriter — Disassembly and Reassembly
580-301-701	1	Full-Duplex — 100 Word Per Minute Data Station — Using 4-Row Teletypewriter — Disassembly and Reassembly
580-301-702	1	Half-Duplex — 150 Word Per Minute Data Station Using ASCII Code — Disassembly and Reassembly

Section Number	Issue	Subject
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DIVISION 581 — TELETYPEWRITER SELECTIVE CALLING SYSTEMS

581-000 Indexes

- ♦ 581-000-000 40 Numerical Index — Division 581 — Teletypewriter Selective Calling Systems

581-100 83B Type Teletypewriter Selective Calling System

581-100-100	2	83B1 — Description and Operating Principles
581-100-101	1	Pushbutton Calling Circuit for the 83B1 Teletypewriter Selective Calling System — Description and Operating Principles
581-100-102	1	83B2 — Description and Operating Principles
581-100-103	1	83B3 — General Description
581-100-104	1	83B3 — Description of Interface Connection to a Customer-Owned Business Machine
581-100-500	2	83B1 and 83B2 — Operating Tests
581-100-501	1	83B3 — Overall Test Procedures

581-120 8A1 and 8B1 Data Selective Calling System

581-120-100	3	8A1 (Half Duplex) — General Description and Operation
Add 581-120-101	1	
581-120-101	1	8B1 (Full Duplex) — General Description and Operation

581-121 8A1 Data Selective Calling System — Line Controller

581-121-100	2	35A Line Controller — General Description and Principles of Operation
581-121-200	2	35A Line Controller — Installation
581-121-400	2	35A Line Controller — Wiring Diagrams
581-121-700	2	35A Line Controller — Adjustments
581-121-701	2	35A Line Controller — Lubrication
581-121-800	1	Cabinet (IAC) and Electrical Components — Parts

581-122 8A1 and 8B1 Data Selective Calling — Station Sets

Add 581-122-100	3	
581-122-100	2	8A1 — General Description and Principles of Operation
Add 581-122-101	1	
581-122-101	1	8B1 — General Description and Principles of Operation
Add 581-122-200	1	
581-122-200	1	8A1 and 8B1 — Installation and Checkout
Add 581-122-300	1	
581-122-300	1	8A1 and 8B1 — Trouble Shooting

Section Number	Issue	Subject	Section Number	Issue	Subject
App 581-122-400	1		581-131-302	2	Stations Using Data Auxiliary Sets — 820J and 820L Controllers — Maintenance
581-122-400	2	8A1 and 8B1 — Wiring Diagrams	581-131-500	4	85A1 — 100-Word Per Minute Half-Duplex Operation — Test Procedures
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					<i>*Registered trademark of Plantronics, Inc.</i>
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590-010-500	2	J1P005 Automatic Data Test System (ADTS) — Operation From Field Locations	590-100-130	1	39A1 — Identification
590-011 Data Sets in 40A3 Data Mountings			590-100-131	1	44A1 — Tone Detector — Description
590-011-202	1	Data Sets — Registered — Arrangements	590-100-132	2	46A1 — Identification
590-100 Data Units			590-100-133	2	47A1 — Identification
590-100-100	2	58A Control Unit — Identification	590-100-134	2	48-Type — Identification
590-100-101	3	3A-Type — Identification	590-100-135	1	45-Type — Identification
590-100-102	2	Station Reverse Channel Units 1A-Type, 1B-Type, 2A-Type Data Units — Description and Operation	590-100-136	1	50A1 — Identification
♥ 590-100-103	1	5A1 — Description	590-100-137	1	51A1 — Identification
590-100-104	1	4B1 — Description and Operation	590-100-138	1	53A1 — Description, Operation, and Tests
590-101 Circuit Packs			590-100-139	1	52A1 — Identification
			590-100-141	2	57A1 and 57B1 Data Units — Description, Operation, Installation and Testing
			590-101-000	2	150A Channel Service Unit — Description, Installation, Maintenance, and Tests
			590-101-100	1	AR578 — Identification
			590-101-102	1	AR751 — Identification
			590-101-103	5	97-Type Connecting Blocks and 97A-Type Data Mountings — Identification, Installation, Maintenance, and Testing — Single and Multiline Installations — Jacks for Registered Data Equipment

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590-101-180	1	150A Channel Service Unit — Station — Summarizing Specification	590-102-153	1	57-Type Data Mounting
590-102 Data Mountings			590-102-161	2	64A- and 64C-Type Data Mounting — Identification
590-102-100	1	1A-Type — Identification	590-102-160	1	63A-Type Data Mounting — Identification
590-102-101	2	1B2-Type — Identification	590-102-162	2	65A-Type Data Mounting — Identification
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590-102-104	1	4A-Type — Identification	590-103 Data Coupler		
590-102-105	1	5A-Type — Identification	♥ 590-103-100	1	F-57951 — Description, Installation, Maintenance, and Testing
590-102-106	1	6A-Type — Identification	Add 590-103-101	1	
590-102-110	1	18A1 — Identification	♥ 590-103-101	1	F-58012 — Description and Operation
590-102-111	1	19A1 — Identification	Add 590-103-102	1	
590-102-112	1	20A1 — Identification	♥ 590-103-102	1	F58118 — Description, Installation, Maintenance, and Testing
590-102-113	2	21-Type — Identification	Add 590-103-103	1	
590-102-114	2	22-Type — Identification	590-103-103	4	1000A — Description, Installation, Maintenance, and Tests
590-102-119	2	23-Type — Identification	590-103-104	5	1001A — Description, Installation, Maintenance, and Tests
590-102-123	1	27-Type — Identification	590-103-106	4	1001B — Description, Installation, Maintenance, and Tests
590-102-124	4	28-Type — Identification	590-103-108	1	1000B — Description, Installation, Maintenance, and Tests
590-102-125	1	29-Type — Identification	Add 590-103-109	1	
590-102-127	2	31A2 — Identification	590-103-109	3	1001D — Description, Installation, Maintenance, and Tests
590-102-128	2	32A1 — Identification	Add 590-103-111	1	
590-102-129	1	37A1 — Identification	590-103-111	3	1001F — Description, Installation, Maintenance, and Tests
590-102-130	2	39A1 — Identification	♥ 590-103-201	2	F-58012 — Installation and Connections
590-102-131	5	40-Type — Identification	♥ 590-103-301	1	F-58012 — Maintenance
590-102-132	3	41-Type — Identification	Add 590-103-501	1	
590-102-133	3	42A-Type Data Mounting — Identification	♥ 590-103-501	1	F-58012 — Test Procedures
590-102-134	2	44A-Type Data Mountings — Identification	590-104 Data Multiplexer		
590-102-135	1	45A1 Data Mounting — Identification	590-104-100	2	Using 1200-Type Data Multiplexer — Description
590-102-136	2	46-Type — Identification	590-104-101	2	1200A-Type — Description
590-102-137	3	47-Type Data Mounting — Identification	590-104-102	1	1800B-L1 Data Control Unit (RCU) — Description
590-102-138	1	43A1 Data Mounting — Identification	590-104-103	2	1800A-L1 Data Control Unit — Description and Operation
590-102-139	1	48A-Type Data Mounting — Identification	590-105 Data Station Selector		
590-102-140	3	49A1 Data Mounting — Identification	590-105-100	2	Select-A-Station Service — J70180AA — Description
590-102-141	1	50A1 Data Mounting — Identification	● ▲ ♠ 590-105-101	2	Data Station Selector — J70180AA Select-A-Station Service — DATAPHONE® Data Communications Service
590-102-142	2	52A-Type Data Mountings — Identification			
590-102-143	1	55A1 Data Mounting — Identification			
590-102-144	1	59A1 — Identification			

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590-105-110	1	Transaction Network — 1A-Type DSS J70181AA — Description, Operation, and Theory	591-014-300	3	Maintenance
590-105-180	1	1A Type — Transaction Network — Summarizing Specification	591-014-301	1	103A3 — Maintenance
590-106 Adapters			591-014-500	7	103A2, 103A2A, and 103A2B — Test Procedures
590-106-100	2	330-Type — Description, Installation, and Tests	Add 591-014-501	1	
590-200 Electronic Blackboard			591-014-501	1	103A3 — Test Procedures
590-200-100	2	Description, Installation, Maintenance, and Tests	591-014-502	1	Test Procedures Using 921A Data Test Set
<hr/>			591-015 103B-Type		
DIVISION 591 — 100 SERIES DATA SETS AND ASSOCIATED SERVICES			591-015-100	1	Transmitter-Receiver — Description and Operation
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591-000 Indexes			591-015-300	1	Transmitter-Receiver — Maintenance
• ♦ 591-000-000	11	Numerical Index — 591 — 100 Series Data Sets and Associated Services	591-015-500	4	Transmitter-Receiver — Test Procedures
591-012 101A and 101B-Type			591-016 103C-Type		
591-012-100	2	3-Row Teletypewriter Station Arrangement for TWX and Data Set 101A for DATA-PHONE® Service — Description and Operation	591-016-100	1	Transmitter-Receiver for Private Line Service — Identification and Operation
Add 591-012-200	3		591-016-200	2	Transmitter-Receiver for Private Line Service — Installation and Connection
591-012-200	2	3-Row Teletypewriter Station — Data Sets 101A and 101B for TWX Service and Data Set 101A for DATA-PHONE® Service — Tests and Installation Methods	591-016-300	2	Transmitter-Receiver for Private Line Service — Maintenance
591-012-201	1	3-Row Teletypewriter Station — Data Set 101A for DATA-PHONE® Service — Tests and Installation Methods	591-016-500	2	Transmitter-Receiver for Private Line Service — Test Procedures
Add 591-012-300	1		591-018 105A- and 105B-Type		
591-012-300	2	Used with 3-Row TWX — Locating Trouble and Test Procedures	591-018-100	1	Description and Operation
591-013 101C-Type			591-018-200	2	105A and 105B — Tests and Installation Methods
591-013-100	2	Identification and Operation	591-018-300	3	105A and 105B — Maintenance and Test Procedures
Add 591-013-200	2		591-019 103F-Type		
591-013-200	4	Tests and Installation Methods	591-019-100	2	103F1 — Transmitter-Receiver — Description and Operation
591-013-300	2	Used with 4-Row TWX — Locating Trouble and Test Procedures	591-019-200	2	103F1 — Transmitter-Receiver — Installation
591-014 103A-Type			591-019-300	2	103F1 — Transmitter-Receiver — Maintenance
591-014-100	6	Description and Operation	591-019-400	3	Transmitter-Receiver — Connections
591-014-101	2	103A3 — Description and Operation	Add 591-019-500	2	
Add 591-014-200	1		591-019-500	3	Test Procedures
591-014-200	9	Installation and Connections	591-020 105C-Type		
591-014-201	2	103A3 — Installation and Connections	591-020-100	1	Used on Private Service Systems — Switching System No. 307 — Description and Operation
			591-020-200	1	Used on Private Service Systems — Switching System No. 307 — Installation

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591-020-300	1	Used on Private Service Systems — Switching System No. 307 — Maintenance	Add 591-023-501	1	
591-020-400	1	Used on Private Service Systems — Switching System No. 307 — Connections	591-023-501	3	Single Private Line Station — Using Data Auxiliary Set 820D-Type — Test Procedures
591-020-500	1	Used on Private Service Systems — Switching System No. 307 — Test Procedures	591-023-502	1	Multiple Private Line Station Arrangement — Using Data Auxiliary Set 820E-Type — Test Procedures
591-021 101E-Type			Add 591-023-510	1	
♥ 591-021-100	1	Description and Operation	591-023-510	2	Data Set 108A- or C-Type Single Private Line Station — Using Data Auxiliary Set 820D-L1 or 820D-L1A in 10-Type Data Line Concentrator System (DLCS) — Test Procedures
♥ 591-021-200	1	Installation and Connections	591-024 109A-Type		
♥ 591-021-300	1	Maintenance	591-024-100	1	Identification
♥ 591-021-500	1	Test Procedures	591-024-101	2	Single Private Line Station Using Data Auxiliary Set 820D-Type — Description and Operation
591-023 108A and 108C-Type			591-024-102	1	Multiple Private Line Station Using Data Auxiliary Set 820E2 and KS-20018 Cabinet — Description and Operation
591-023-100	2	Private Line System Station Application — Description	591-024-103	1	Multiple Private Line Station Using Data Auxiliary Set 820E2 and KS-20093 Cabinet — Description and Operation
Add 591-023-101	1		591-024-201	2	Single Private Line Station Using Data Auxiliary Set 820D-Type — Installation and Connections
591-023-101	3	Single Private Line Station — Using Data Auxiliary Set 820D-Type — Description and Operation	591-024-202	1	Multiple Private Line Station Using Data Auxiliary Set 820E2 and KS-20018 Cabinet — Installation and Connections
591-023-102	1	Multiple Private Line Station Arrangement — Using Data Auxiliary Set 820E-Type — Description	591-024-203	1	Multiple Private Line Station Using Data Auxiliary Set 820E2 and KS-20093 Cabinet — Installation and Connections
591-023-110	2	Data Set 108A- or C-Type Single Private Line Station — Using Data Auxiliary Set 820D-L1 or 820D-L1A in the 10-Type Data Line Concentrator System (DLCS)	591-024-301	2	Single Private Line Station — Using Data Auxiliary Set 820D-Type — Maintenance Procedures
Add 591-023-201	1		591-024-501	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Test Procedures
591-023-201	3	Single Private Line Station — Using Data Auxiliary Set 820D-Type — Installation and Connections	591-025 103E-Type		
591-023-202	1	Multiple Private Line Station Arrangement Using Data Auxiliary Set 820E-Type — Installation and Connections	591-025-100	3	Identification
Add 591-023-210	1		Add 591-025-101	1	
591-023-210	2	Data Set 108A- or C-Type Single Private Line Station Using Data Auxiliary Set 820D-L1 or 820D-L1A in 10-Type Data Line Concentrator System (DLCS) — Installation and Connections	591-025-101	3	Data Station — Using KS-20093 Cabinets — Description and Operation
591-023-300	1	Data Set 108-Type Private Line System Station Application Maintenance	Add 591-025-201	1	
591-023-301	3	Single Private Line Station — Using Data Auxiliary Set 820D — Maintenance	591-025-201	4	Data Station — Using KS-20093 Cabinets — Installation and Connections
591-023-302	1	Multiple Private Line Station Arrangement — Using Data Auxiliary Set 820E-Type — Maintenance	591-025-301	4	Data Station — Using KS-20093 Cabinets — Maintenance
591-023-310	2	Data Set 108A- or C-Type Single Private Line Station — Using Data Auxiliary Set 820D-L1 or 820D-L1A in 10-Type Data Line Concentrator System (DLCS) — Maintenance	591-025-501	5	Data Station — Using KS-20093 Cabinets — Test Procedure

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591-026 103G-Type			591-029-180	1	Transmitter/Receiver Summarizing Specification Data Systems Stations
591-026-100	3	Description and Operation	591-029-201	1	Multiple Data Set Arrangement — Using 28A1 Data Mounting and 27A1 Data Unit — Installation and Connections
591-026-200	4	Installation and Connections	591-029-301	1	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27A1 Data Unit — Maintenance
591-026-300	3	Maintenance	591-029-501	1	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27A1 Data Unit — Test Procedure
Add 591-026-500	1		591-030 114A-Type		
591-026-500	3	Test Procedures	591-030-100	1	Transmitter — Identification and Connections
591-027 103H-Type			591-031 109C-Type		
591-027-100	2	Description and Operation	591-031-101	2	Used in 10-Type Data Line Concentrator System (DATREX*) — Description and Operation
591-027-200	3	Installation and Connections	591-031-180	1	Summarizing Specification — Product Engineering Application — Data System — Station
591-027-300	2	Maintenance	591-031-201	2	Used in 10-Type Data Line Concentrator System (DATREX*) — Installation
Add 591-027-500	1		591-031-301	2	Used in 10-Type Data Line Concentrator System (DATREX*) — Maintenance
591-027-500	2	Test Procedures	591-031-501	2	Used in 10-Type Data Line Concentrator System (DATREX*) — Test Procedures
591-028 108D- and 108E-Types			591-032 112A-Type		
591-028-100	2	Description — Used in Station Applications	591-032-100	1	Description and Operation
Add 591-028-101	1		591-032-180	1	Transmitter/Receiver Summarizing Specification Data Systems Station
591-028-101	1	Single Private Line Station Arrangement — Using Data Auxiliary Set 820D — Description and Operation	591-032-300	1	Maintenance
591-028-102	1	Multiple Private Line Station Arrangement Using 28A1 Data Mounting and 27B1 Data Unit — Description	591-032-500	1	Test Procedures
591-028-180	1	Transmitter/Receiver Summarizing Specification	<i>*Service mark of the Bell System</i>		
Add 591-028-201	1		591-033 113A-Type		
591-028-201	1	Single Private Line Station Arrangement — Using Data Auxiliary Set 820D — Installation	591-033-100	2	Description and Operation
591-028-202	1	Multiple Private Line Station Arrangement Using 28A1 Data Mounting and 27B1 Data Unit — Installation and Connections	591-033-110	1	Description and Operation
591-028-301	1	Single Private Line Station Arrangement — Using Data Auxiliary Set 820D — Maintenance	591-033-180	1	Transmitter/Receiver Summarizing Specification — Product Engineering Application
591-028-302	1	Multiple Private Line Station Arrangement Using 28A1 Data Mounting and 27B1 Data Unit — Maintenance	591-033-200	4	Installation and Connection
Add 591-028-501	1		591-033-210	1	Installation and Connections
591-028-501	1	Single Private Line Station Arrangement — Using Data Auxiliary Set 820D — Test Procedures	591-033-300	2	Maintenance
Add 591-028-502	1		591-033-500	2	Test Procedure
591-028-502	1	Multiple Private Line Station Arrangement Using 28A1 Data Mounting and 27B1 Data Unit — Test Procedures	591-033-510	1	Test Procedure
591-029 109D-Type			591-033-511	1	113A-11B — Test Procedures Using 921A Data Test Set
591-029-100	1	Description			
591-029-101	1	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27A1 Data Unit — Description			

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591-034 113B-L1-Type			591-037-101	1	Used in a Data Line Concentrator System — Description and Operation
591-034-100	1	Identification	591-037-180	1	Summarizing Specification — Station
591-035 109F-Type			591-037-200	2	Private Line Application — Installation
591-035-100	1	Private Line Application — Description and Operation	Add 591-037-201	1	
591-035-101	1	Used in DATREX* Service — Description and Operation	591-037-201	1	Data Line Concentrator System — Installation and Connections
591-035-180	1	Summarizing Specification — Data Systems — Station	591-037-300	1	Private Line Application — Maintenance
591-035-200	1	Private Line Application — Installation	591-037-301	1	Data Line Concentrator System — Maintenance
591-035-201	1	Used in DATREX* Service — Installation and Connections	591-037-500	1	Private Line Application — Test Procedures
591-035-300	1	Private Line Application — Maintenance	591-037-501	1	Used in a Data Line Concentrator System — Test Procedures
591-035-301	1	Used in DATREX* Service — Maintenance	591-038 115A-Type		
591-035-500	1	Private Line Application — Test Procedures	591-038-100	1	Identification
591-035-501	1	Used in DATREX* Service — Test Procedure	591-039 103J-Type		
591-036 109E-Type			591-039-100	1	103J-L1/2 — Transmitter-Receiver — Single Set — Description and Operation
591-036-100	1	Identification	591-039-200	1	103J-L1/2 Transmitter-Receiver — Single Set — Installation and Connections
591-036-101	2	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27-Type Data Unit — Description	591-039-500	1	103J-L1/2 Transmitter-Receiver — Test Procedures
Add 591-036-102	1		591-039-501	1	103J-L1/2 — Transmitter-Receiver — Test Procedures Using 921A Data Test Set
591-036-102	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Description	591-039-502	1	Testing Data Set 103J-L1/2 From Field Locations — Using J1P005 Automatic Data Test System (ADTS)
591-036-180	1	Summarizing Specification — Data Systems	591-040 113D		
591-036-201	2	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27-Type Data Unit — Installation and Connections	591-040-100	1	113D-L1/2 Transmitter-Receiver — Single Set — Description and Operation
Add 591-036-202	1		591-040-200	1	113D-L1/2 Transmitter-Receiver — Single Set — Installation and Connections
591-036-202	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Installation and Connections	591-040-500	1	113D-L1/2 Transmitter-Receiver — Test Procedures
591-036-301	2	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27-Type Data Unit — Maintenance	591-040-501	1	113D-L1/2 — Transmitter Receiver — Test Procedures Using 921A Data Test Set
591-036-302	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Maintenance Procedures	591-040-502	1	Testing Data Set 113D-L1/2 From Field Locations—Using J1P005 Automatic Data Test System (ADTS)
591-036-501	2	Multiple Data Set Arrangement Using 28A1 Data Mounting and 27-Type Data Unit — Test Procedures	591-041 113C		
591-036-502	1	Single Private Line Station Using Data Auxiliary Set 820D-Type — Test Procedures	591-041-100	1	113C-L1/2 Transmitter Receiver — Single Set — Description and Operation
591-037 109H-Type			591-041-200	1	113C-L1/2 Transmitter Receiver — Single Set — Installation and Connections
591-037-100	1	Private Line Application — Description and Operation	591-041-500	1	113C-L1/2 Transmitter Receiver — Test Procedures

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591-041-501	1	113C-L1/2 — Transmitter-Receiver — Test Procedures Using 921A Data Test Set
591-041-502	1	Testing Data Set 113C-L1/2 From Field Locations — Using J1P005 Automatic Data Test System (ADTS)
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591-042-100	1	Identification
591-043 108H and J		
591-043-100	1	Description
591-043-200	2	Installation and Connections
591-043-500	1	Data Sets — Test Procedures
591-044 103JR-L1/2		
591-044-100	1	Transmitter-Receiver — Single Set — Description and Operation
591-044-200	2	Data Set 103JR-L1/2 — Installation and Connections — Transmitter-Receiver — Single Set — Installation and Connections
591-044-500	1	Transmitter-Receiver — Single Set — Test Procedures
591-044-501	1	Transmitter Receiver — Single Set — Test Procedures Using 921A Data Test Set
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591-045-100	1	Description and Operation
591-045-200	1	Installation and Connections
591-045-500	1	Test Procedure
591-046 113CR-L1A/2		
591-046-100	1	Transmitter-Receiver — Single Set — Description and Operation
591-046-200	1	Transmitter-Receiver — Single Set — Installation and Connections
591-046-500	1	Transmitter-Receiver — Single Set — Test Procedures
591-046-501	1	Transmitter-Receiver — Single Set — Test Procedures Using 921A Data Test Set
591-047 113DR-L1/2		
591-047-100	1	Transmitter-Receiver — Single Set — Description and Operation
591-047-200	1	Transmitter-Receiver — Single Set — Installation and Connections
591-047-500	1	Transmitter-Receiver — Single Set — Test Procedures
591-047-501	1	Transmitter-Receiver — Single Set — Test Procedures Using 921A Data Test Set

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591-048 113AR-L1B		
591-048-100	1	Description and Operation
591-048-200	1	Installation and Connections
591-048-500	1	Test Procedure
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591-801 Station Arrangements Using 37KSR Teletypewriter		
♥ 591-801-100	2	DATA-PHONE® — Description and Operation
591-801-101	1	Keyboard Send-Receive (KSR) Data Station Arrangement — DATA-PHONE® — Description
591-801-102	2	Nonswitched Point-to-Point Private Line Service — Description and Operation
App 591-801-200	1	
♥ 591-801-200	1	DATA-PHONE® — Installation
591-801-201	2	37 Teletypewriter Keyboard Send-Receive (KSR) — Data Station Arrangements DATA-PHONE® — Installation
591-801-202	2	Nonswitched Point-to-Point Private Line Service — Installation
♥ 591-801-300	1	DATA-PHONE® — Maintenance
♥ 591-801-400	1	DATA-PHONE® — Wiring
App 591-801-500	1	
♥ 591-801-500	1	DATA-PHONE® — Test Procedures
♥ 591-801-702	1	DATA-PHONE® — Disassembly and Reassembly
591-802 Station Arrangements Using 37ASR Teletypewriter		
591-802-100	1	37 Teletypewriter Automatic Send-Receive (ASR) Data Station Arrangement — DATA-PHONE® — Description
591-802-101	2	37 Teletypewriter Automatic Send-Receive (ASR) Station Arrangement — Nonswitched Point-to-Point — Private Line Service — Description and Operation
591-802-200	1	37 Teletypewriter Automatic Send-Receive (ASR) Data Station Arrangements — DATA-PHONE® — Installation
591-802-201	1	Nonswitched Point-to-Point Private Line Service — Installation
591-803 Station Arrangements Using 37RO Teletypewriter		
591-803-101	1	Nonswitched Point-to-Point Private Line Service — Description and Operation
591-803-201	1	Nonswitched Point-to-Point Private Line Service — Installation

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591-806 35 Controlmatic Teletypewriter Data Stations			591-811-184	1	DATA-PHONE® Interconnection Arrangements for Trunk Side — Summarizing Specification
Add 591-806-101	1		Add 591-811-200	1	
591-806-101	1	Arranged for Private Line Service — Description and Operation	591-811-200	1	Installation
Add 591-806-102	1		Add 591-811-201	1	
591-806-102	1	Arranged for TWX — Description and Operation	591-811-201	1	10B — Installation and Connections
591-806-201	1	Arranged for Private Line Installation	591-811-202	2	Private Line Interconnection Arrangement for Line Side of 10-Type — Installation and Connection
591-806-202	1	Arranged for TWX Installation	591-811-203	1	DATA-PHONE® Interconnection Arrangement for Line Side of 10-Type — Installation and Connection
591-806-301	1	Arranged for Private Line Service — Maintenance	591-811-204	1	DATA-PHONE® Interconnection Arrangement for Trunk Side of 10B — Installation and Connections
591-806-302	1	Arranged for TWX Service — Maintenance	591-811-300	2	Maintenance
591-806-501	2	Arranged for Private Line Service — Tests	591-811-301	1	10B — Maintenance
591-806-502	2	Arranged for TWX Service — Tests	591-811-302	2	Private Line Interconnection Arrangement for Line Side of 10-Type — Maintenance
591-810 10-Type Data Line Concentrator System (DATREX*)			591-811-303	1	DATA-PHONE® Interconnection Arrangement for Line Side of 10-Type Data Line Concentrator (DATREX*) — Maintenance Procedures
591-810-100	2	Description	591-811-304	1	DATA-PHONE® Interconnection Arrangement for Trunk Side of 10B — Maintenance
□ 591-810-110	1	33 and 35 Teletypewriter Stations Form — Description and Operation <i>Info no longer required</i>	Add 591-811-500	1	
591-810-190	1	Engineering and Implementation Methods for Data Line Concentrator Service	591-811-500	2	Test Procedures
591-810-210	1	33 and 35 Teletypewriter Stations — Installation and Checkout	591-811-501	1	10B — Test Procedures
591-810-300	2	Maintenance Procedures	591-811-502	2	Private Line Interconnection Arrangement for Line Side of 10-Type — Test Procedures
591-810-500	1	Test Procedures	591-811-503	1	DATA-PHONE® Interconnection Arrangement for Line Side of 10-Type Data Line Concentrator (DATREX*) — Test Procedures
591-811 10A and 10B Data Line Concentrator			591-811-504	1	DATA-PHONE® Interconnection Arrangement for Trunk Side of 10B Data Line Concentrator (DLCS*) — Test Procedures
591-811-100	1	Description	591-812 Secure Model 28 Teletypewriter Station		
591-811-101	1	10B — Description	♥ 591-812-100	1	DATA-PHONE® Service — Description and Operation
591-811-102	2	Private Line Interconnection Arrangement for Line Side of 10-Type — Description	♥ 591-812-101	1	Station Arrangement for Private Line Service — Description and Principles of Operation
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660-165-064	4	Trouble Report Evaluation and Analysis Tool (TREAT) — RSB Threshold Development Procedures — Description — Automated Repair Service Bureau	Add 660-168-107	1	
660-165-065	4	Trouble Report Evaluation and Analysis Tool (TREAT) — Trouble Report Input Requirements — Automated Repair Service Bureau	660-168-107	3	Interpretation of the Trouble Report and Status Form — User Guide
660-165-067	3	Trouble Report Evaluation and Analysis Tool (TREAT) — Bell System Standard Performance Reports — Description — Automated Repair Service Bureau	660-168-113	2	Identify and Select Front-End Processor User Guide — Loop Maintenance Operations Systems
660-165-068	2	Automated Repair Service Bureau — Trouble Report Evaluation and Analysis Tool (TREAT) — Time Share Option (TSO) Operational Concept — Output Report Retrieval Instructions	660-168-121	6	Receive and Process Line Record Update Inputs — Procedures
660-165-069	2	Automated Repair Service Bureau — Trouble Report Evaluation and Analysis Tool (TREAT) — TREAT Operation Under a Batch Environment	660-168-122	8	Loop Maintenance Operations System — Update Line Record Procedures
660-165-070	3	Trouble Report Evaluation and Analysis Tool (TREAT) — TREAT Operation in an Information Management System (IMS) Environment — Description — Automated Repair Service Bureau	660-168-123	1	Loop Maintenance Operations System — Update Allocation Area Data Base Procedures
			Add 660-168-130	1	
			660-168-130	6	Request System Information — User Guide — Loop Maintenance Operations System
			660-168-131	9	Loop Maintenance Operations System — Request System Information — Procedures
			660-168-132	5	Description of Customer Line Record Fields — User Guide — Loop Maintenance Operations System
			660-168-151	4	Display Printed Output — Specify Printed Output — Procedures
			660-168-152	3	Display Commitment — Specify Commitment — Position Practice
			660-168-155	5	Create and Maintain Test List — Procedures
			660-168-156	5	Initiate and Monitor Programmed Scan Testing — Procedures
			660-168-163	5	Guide for Identifying Conflicts — User Guide — Loop Maintenance Operations System
			660-168-170	1	Loop Maintenance Operations System — Scheduler Transaction Description — User Guide
			660-168-173	2	Loop Maintenance Operations System — Tracker Description — User Guide
			660-168-200	5	General Description
			660-168-207	4	Interpretation of the Status and Test Summary Form — User Guide — Mechanized Loop Testing
			660-168-208	3	Interpretation of the Trouble Report Form — User Guide
			660-168-211	5	Mechanized Loop Testing — Enter Trouble Reports
660-166 1A Line Concentrator					
660-166-100	1	1A Line Concentrator — Characteristics, Operating Features, Testing and Maintenance Precautions			
660-167 Network Harms and Cable Restoration					
660-167-001	1	Network Harms Handling and Reporting Procedures			
660-167-300	1	Cable Restoration — Dedicated Plant — Identifying Paper Insulated Cable Pairs			
660-168 Automated Repair Service Bureau (ARSB)					
660-168-010	8	Documentation Index			
660-168-011	6	Glossary of Terms			
660-168-012	6	Loop Maintenance Operations System — Transaction Reference Guide			

660-168-229	2	Loop Maintenance Operations System (LMOS) — Data Base Audits	660-168-271	2	Equipped With Mechanized Loop Testing — Diagnose Loop Testing Frame/Mechanized Measurement Module — User Guide
660-168-230	4	ATAU (Automatic Line Record Update) — Error Message Processing	Add 660-168-272	1	
660-168-231	3	Loop Maintenance Operations System (LMOS) — Review Transactions — On-Line Error Message Processing	660-168-272	2	Equipped With Mechanized Loop Testing — Central Office Preparation and Testing Procedures for No-Test Trunk Circuits
660-168-232	1	LMOS (Loop Maintenance Operations System) — Update Transactions — On-Line Error Message Processing	660-168-273	2	Equipped With Mechanized Loop Testing — Acceptance Procedures
660-168-240	3	Equipped With Mechanized Loop Testing or Automatic Line Verifier — Interpretation of Basic Output Report and Mini Output Report — User Guide	660-168-274	5	Mechanized Loop Testing -1/Mechanized Loop Testing -2 — Maintenance — Preparation and Test Procedures for Test Trunk Circuits Using KS-22475 Trunk Test Set With KS-22475 I2 Adapter
660-168-241	4	Mechanized Loop Testing — Sort and Distribute Printer Output — Procedures	660-168-275	1	Mechanized Loop Testing-2 (MLT-2) Acceptance Procedures
660-168-242	6	Mechanized Loop Testing — Enter Status Information Procedures	Add 660-168-370	1	
660-168-243	5	Mechanized Loop Testing — Enter Trouble Related Data Procedures	660-168-370	1	Equipped With Automatic Line Verifier — Check Loop Testing Frame/Line Fault Detector Readiness — Position Practice
660-168-244	5	Mechanized Loop Testing — Test Transaction Procedures	660-168-371	2	Equipped With Automatic Line Verifier — Diagnose Loop Testing Frame/Line Fault Detector Fault
660-168-246	4	Equipped With Mechanized Loop Testing — Interpretation of Automated Test Results — User Guide			
660-168-247	5	Mechanized Loop Testing (MLTI) — Verify Line Condition Procedures	660-169-011	2	Trouble Report Evaluation and Analysis Tool (TREAT) — Categories of Trouble Reports and Classes of Service Measured — Loop Maintenance Operations System (LMOS) — Automated Repair Service Bureau (ARSB)
660-168-248	4	Mechanized Loop Testing — Process Cable Trouble Data Procedures	660-169-012	1	Automated Repair Service Bureau (ARSB) — Analysis Plan — Customer Service Quality Indicators — MCSIRBAN
660-168-249	3	Mechanized Loop Testing — Interpretation of Basic Output Report and Mini Output Report — User Guide	Add 660-169-013	1	
660-168-250	3	Mechanized Loop Testing — Analyze Output Reports and Determine Further Action — Position Guide	660-169-013	2	Trouble Report Evaluation and Analysis Tool (TREAT) — Trouble Reports — Type, Disposition, and Cause — Loop Maintenance Operations System (LMOS) — Automated Repair Service Bureau (ARSB)
660-168-251	4	Equipped With Mechanized Loop Testing — Generate A Trouble Report — Practice	660-169-300	1	Automated Repair Service Bureau (ARSB) — General Routine for Handling Trouble Reports
660-168-252	1	Interpretation of Trouble Verification (TV) Transaction — User Guide — Mechanized Loop Testing-2 (MLT-2)	660-169-301	1	Automated Repair Service Bureau (ARSB) — Procedures for Permanent Signals
660-168-253	1	Mechanized Loop Testing-2 — TV (Trouble Verification) Transaction Test Procedures	660-169-302	1	Control and Administration of Cut Dead, Transposed and Transferred Pairs — Maintenance Center
660-168-254	3	Update Commitment Dates and Times — Position Practice	660-169-303	1	Automated Repair Service Bureau (ARSB) — Cable and Line or Station Transfers
660-168-255	4	Commitment Procedures Guide — Loop Maintenance Operations System	660-169-304	1	Automated Repair Service Bureau (ARSB) — Procedures for Handling Customer Trouble Reports on Wide Area Telephone Services
660-168-262	4	Mechanized Loop Testing — Update Cable Data Procedures	660-169-307	1	Automated Repair Service Bureau (ARSB) — Responsibilities for Switched Services Networks
660-168-270	2	Equipped With Mechanized Loop Testing — Check Loop Testing Frame/Mechanized Measurement Module Readiness — Position Practice	660-169-310	1	Automated Repair Service Bureau (ARSB) — Procedures for Apartment Door Answering Service

660-169 ARSB Maintenance Procedures

660-169-312	1	Maintenance of Service Charge on Services With Customer-Provided Equipment — Description — Automated Repair Service Bureau (ARSB)	660-202-013	1	Telegraph Services — Teletypewriter Monitoring
660-169-313	1	Automated Repair Service Bureau (ARSB) — Bulk Dispatch — Trouble Reports	660-203-010	1	Telegraph Services — Disposition of Monitoring Teletypewriter and TWX Copy
660-169-314	1	Automated Repair Service Bureau (ARSB) — No-Access Procedure	660-204-010	1	Telegraph Service — Special Handling of Private Teletypewriter Services
660-169-315	1	Automated Repair Service Bureau (ARSB) — Test OK — Customer Doesn't Answer (TOK-DA) Procedures	660-204-011	1	Telegraph — 83A1 and 83B1 Teletypewriter Selective Calling Systems — Pre-Service Testing Procedures
660-169-316	1	Automated Repair Service Bureau (ARSB) — Follow-Up Routines	660-204-012	1	Telegraph — Operating and Testing Procedures for Circuits Associated with 83B Type Teletypewriter — Selective Calling Systems
660-169-320	1	Automated Repair Service Bureau (ARSB) — Operating Procedures for Emergency Routine	660-205-010	1	Toll Private Services — Telegraph — Preparation and Use of Served Point Record — Form E-4481
660-169-321	1	Automated Repair Service Bureau (ARSB) — Appointments	660-206-010	1	Toll Private Services — Telephone — Preparation and Use of Served Point Record, Form E-4536
660-169-322	1	Automated Repair Service Bureau (ARSB) — Cable Restoration — Identifying Paper Insulated Cable Pairs — Dedicated Plants	660-207-010	6	Message and Special Service Circuits — Restoration Sequence
660-169-323	1	Automated Repair Service Bureau (ARSB) — Scanner/Analyzer — Procedures	660-207-020	4	Intercity Special Services — Restoration Priority Description and Procedures
660-169-324	1	Automated Repair Service Bureau (ARSB) — Assignment of Cable Pair Changes	660-208-010	1	Private Line Services — Operating Procedures for Handling Temporary Suspend or Temporary Discontinue Service Orders on Interstate Services
660-169-599	1	Mechanized Trouble Report Ticket for Trouble Report — Evaluation and Analysis Tool (TREAT), Forms E-4732-5 TRT and E-4732-6 TRT	660-209-010	4	Procedures for Preparation in Transmission of Data to the Data Processing Center
660-170-100	1	Radio Common Carrier — Radio Land Lines Central Office Connective Circuits — Descriptive Maintenance	♥ 660-209-302	1	Common Controlled Switching Arrangements With Added Data Features (CCSA-DF) — Control Serving Test Center — Trouble Reports, Trouble Alarms — Alarm Report Format

660-2 SPECIAL SERVICES SYSTEM (SSS)

660-200-010	1	Service Report Ticket, Form E-4071, Program, Video, and Music Transmission Service	♥ 660-209-500	1	Common Control Switching Arrangements With Added Data Features (CCSA-DF) Description of Access Equipment — Features and Operation
660-200-015	1	Minimum Service Charge Arrangements	♥ 660-209-501	1	Common Control Switching Arrangements With Added Data Features (CCSA-DF) — Control Serving Test Center — Testing and Trouble-Clearing Procedures
Add 660-200-300	1		Add 660-215-500	2	
660-200-300	1	Special Safeguarding Measures	660-215-500	1	Special Services Consulting Guide
660-200-301	2	Protection and Safeguarding	660-220-012	2	Analysis Plan — Preparation and Use of Private Service History Cards, Forms E-4476 and E-4475
660-200-302	1	Service Criticisms Accommodations	Add 660-225-010	1	
Add 660-201-010	1		660-225-010	5	Results Measurement Plan — General
660-201-010	3	Toll Telephone Facility Maintenance — Office Responsibilities	Add 660-225-011	2	
660-202-010	1	Telegraph Facility and Service Maintenance — Office Responsibilities	660-225-011	6	Results Measurement Plan — Definitions
660-202-011	1	Telegraph Services — Establishing and Restoring Temporary Patches	Append 1	6	Typical Special Services
660-202-012	1	Telegraph Services — Administrative of Service Restoration and Maintenance Spares	660-225-014	1	Special Services Mechanized Results Measurement Plan — Index Plan

Add 660-225-015	1		660-230-351	1	SPARS — Output Reports and Result Summaries
660-225-015	3	Mechanized Results Measurement Plan — Preparation and Use of the Private Service Report Ticket Forms E-4220-M and E-4221	660-250-000	3	Special Service Center (SSC) — Document Indexes — Special Services
Append 1	3	No Title	▲ ♠ 660-252-100	2	Special Service Center — Controller/Tester
Add 660-225-016	2		660-4 TRUNK MAINTENANCE — GENERAL		
660-225-016	5	Mechanized Results Measurement Plan — Procedures for Preparation and Transmission of Results Data to the Cleveland Data Processing Center	660-400-010	3	Trunk Service Results Plan
660-225-017	2	Mechanized Results Measurement Plan — Reports and Results Summaries	660-401-010	4	Testing and Operating Precautions for Message Trunks
660-225-020	2	Special Services Mechanized Analysis Plan — General	660-402-010	3	Recording of Manual Transmission Measurements and Measurement Schedules
Add 660-225-021	1		660-402-300	12	Transmission Maintenance — Overall 1000-Hz Loss Measurements on Message Trunks
660-225-021	2	Special Service Mechanized Analysis Plan — Automatic Analysis Data	660-402-310	1	Transmission Maintenance — Echo Suppressor Tests Using 58-Type Echo Suppressor Measuring System
Append 1	2	No Title	Add 660-403-011	1	
Add 660-225-022	2		660-403-011	4	Trunk Transmission Maintenance Index — Mechanized Summary Procedure — Data Reporting
660-225-022	1	Special Service Mechanized Analysis Plan — Retrieval of Detailed Trouble Data	660-403-300	4	Message Circuit Noise and Impulse Noise Measurements — Message Circuit Trunks — Test Classifications and Intervals
Append 1	1	No Title	660-403-301	4	Investigation of Specific Noise and Crosstalk Troubles on Voice Frequency Circuits — Cable Circuits
Append 2	1	No Title	660-403-302	3	Investigation of Specific Noise and Crosstalk Troubles on Voice-Frequency Circuits — Open Wire Circuit
660-225-030	2	Special Services Mechanized Reporting of Rebating Information	Add 660-403-500	2	
660-225-110	1	Special Services System (SSS)—Administrative Guidelines	660-403-500	5	Message Circuit Noise Measurements on Message Trunks — Requirements
660-225-111	1	Special Services System (SSS)—Inventory Tickets	660-403-501	3	Measurement of Voice Frequency Crosstalk Coupling Using a Type-3 Noise Measuring Set
660-225-112	1	Special Services System (SSS) — Trouble Ticket Description	660-403-503	5	Crosstalk Tests on Message Trunks
Append 1	1	Typical Special Service Troubles — Questions and Answers	660-403-504	3	Signaling Systems — Overall Tests on Trunks Employing Single Frequency Signaling
660-225-113	1	Special Services System — Switched Service Networks Guidelines	660-403-505	1	Transmission Maintenance of Voice-Frequency — Carrier Telegraph Facilities
660-225-114	1	Special Services System (SSS) — Transmission Procedures for the Atlanta Data Processing Center	660-405-300	2	Data Systems — DATA-PHONE® Service and Data Access Arrangements Using the Switched Telecommunications Network — Toll Testroom Trouble Clearing Procedures
660-225-115	1	Special Services System (SSS) — Output Reports Description	660-420-010	1	Automatic Trunk Test Frames Associated With ATMS — Central Office Administration
660-225-116	1	Analysis Plan	660-430-012	3	Control of 1 KHz Trunk Loss Deviations
660-230-100	5	Office Responsibilities Administrative Methods for the AT&T Communications Company — DATAPHONE® Digital Service	660-440-010	3	Test Line Circuits and Communication Trunks Nationwide Distance Dialing Plan
660-230-110	1	Office Responsibilities and Administrative Methods — AT&T Communications — DS-1 Digital Service	660-440-107	2	107-Type Test Line for Data Transmission Maintenance — Description
660-230-150	1	Packet Transport Network — Administrative Methods and Procedures — Network Operations			
660-230-300	1	Digital Data System — Cable Failure Restoration Procedures			
660-230-350	1	Service and Product Analysis — Report System (SPARS)			

660-450-010	7	Forms for Recording Trunk or Circuit Order Test Results on Message Trunks — Test Center Operation	660-462-301	2	No. 23 Automatic Call Distributing (ACD) System — No. 23 Concentrator Through and Terminal Balance — Requirements
660-450-300	3	Trunk Order or Circuit Order Tests for All Types of Message Trunks — General Information	660-462-500	1	No. 23 Automatic Call Distributing (ACD) System — No. 23 Concentrator Through and Terminal Balance — Network Build-Out Capacitor (NBOC) Selection
660-450-301	5	Preservice and Maintenance Tests for All Types of Message Trunks	660-462-502	1	No. 23 Automatic Call Distributing (ACD) System — No. 23 Concentrator Through and Terminal Balance — Drop Build-Out Capacitor (DBOC) Adjustment and Verification Tests
660-450-302	1	Circuit Order or Trunk Order Tests for Carrier Telegraph Layouts	660-462-504	1	No. 23 Automatic Call Distributing (ACD) System — No. 23 Concentrator Through and Terminal Balance — Balance Test Equipment and Test Circuit
660-450-303	1	Preservice and Maintenance Tests for Operator and Attendant Services Trunks	660-463-010	3	Traffic Service Position System No. 1/1B — Impedance Balance — Administration and Records
660-450-502	1	Circuit Order or Trunk Order Tests — Testing Methods — Measurement of Office Wiring and Equipment Losses — 2-Wire Switching Offices	660-463-100	3	Traffic Service Position System No. 1/1B — Impedance Balance — General Information
660-450-503	1	Circuit Order or Trunk Order Tests — Testing Methods — Measurement of Office Wiring and Equipment Losses — 4-Wire Switching Offices	660-463-301	3	Traffic Service Position System No. 1/1B — Impedance Balance Requirements
660-450-504	1	Circuit Order or Trunk Order Tests — Testing Methods — Adjustment of Transmission Levels on Combination Trunks — Intermediate Offices	Add 660-463-500	1	
660-450-505	4	Trunk Order or Circuit Order Tests — Testing Methods — Channel Net Gain	660-463-500	2	Traffic Service Position System No. 1 With Remote Trunk Arrangement, Position Subsystem No. 2, and Automatic Coin Toll Service — Balance — Base Unit
Add 660-450-506	1		660-463-502	1	Traffic Service Position System No. 1/Remote Trunk Arrangement/Position Subsystem No. 2 — Balance — RTA
660-450-506	1	Circuit Order to Trunk Order Tests for Overseas Operator Bridged Access Trunks — 10C and 10TC Operation — 4A and 4M Toll Switching Systems and 3C or 3CL Switchboards	660-463-504	1	Traffic Service System No. 1 With Position Subsystem No. 2 and Remote Trunking Arrangements — Balance — Test Equipment, Test Circuits, and Terminations
660-450-507	1	Common Channel Interoffice Signaling — Voice Frequency Link — Description, Maintenance, and Tests	660-470-010	1	No. 1/1A ESS Offices With HILO 4-Wire Switching Through and Terminal Balance Records
660-460-010	1	No. 4 ESS Offices — Terminal Balance Records	660-470-100	2	No. 1 ESS Offices With HILO 4-Wire Switching Feature — Through and Terminal Balance
660-460-100	1	No. 4 ESS Offices — Terminal Balance — General Information	660-470-300	2	No. 1/1A ESS Offices With HILO 4-Wire Switching Through Balance Requirement
660-460-301	2	No. 4 ESS Offices — Terminal Balance Requirements	660-470-301	2	No. 1/1A ESS Offices With HILO 4-Wire Switching Terminal Balance Requirements
660-461-100	1	No. 1 Trunks Concentrator — General Balancing Information	660-470-500	1	No. 1/1A ESS Offices With HILO 4-Wire Switching — NBO Selector For Associated Switchboards For Through and/or Terminal Balancing
660-461-101	1	No. 1 Trunk Concentrator — General Balance Information — Administration and Records	660-470-501	1	No. 1/1A ESS Offices With HILO 4-Wire Switching Through Balance Drop Build-Out (DBO) Procedures and Verification Tests
660-461-301	1	No. 1 Trunk Concentrator — Balance Requirements and Verification Tests	Add 660-470-502	1	
660-462-010	1	No. 23 Automatic Call Distributing (ACD) System — No. 23 Concentrator Through and Terminal Balance — Administration and Records	660-470-502	1	No. 1/1A ESS Offices With HILO 4-Wire Switching Terminal Balance DBO Procedures and Verification Tests
660-462-100	1	No. 23 Automatic Call Distributing (ACD) System — No. 23 Concentrator Through and Terminal Balance — General Information			

660-470-504	1	No. 1/1A ESS Offices With HILO 4-Wire Switching — Test Routines, Test Circuits, Test Terminations, and Test Equipment Applications For Through and Terminal Balance	660-474-502	1	Step-by-Step Offices — Terminal Balance DBO Adjustments and Verification Tests
660-470-520	1	Selection of Office NBO in Large Class 5 Offices — Served by No. 1/1A Electronic Switching System (ESS) With HILO 4-Wire Switching Feature	660-474-504	1	Step-by-Step Offices — Test Equipment, Test Circuits, and Terminations Used in Terminal Balance Testing
660-471-010	1	Crossbar Tandem Offices — Through and Terminal Balance — Administration and Records	660-474-520	1	Selection of Office NBO in Large Class 5 Offices — Served by Step-by-Step Office
660-471-100	2	Crossbar Tandem Offices — Through and Terminal Balance — General Information	660-475-010	1	Toll Switchboards (Class 4P) — Terminal Balance — Administration and Records
660-471-300	2	Crossbar Tandem Offices — Through Balance Requirements	660-475-100	1	Toll Switchboards (Class 4P) Offices — Terminal Balance — General Information
660-471-301	4	Crossbar Tandem Offices — Terminal Balance Requirements	660-475-301	3	Class 4P Toll Switchboard — Terminal Balance Requirements
Add 660-471-500	1		660-475-500	1	Decentralized Toll Offices (DTO and DSA Switchboards) — NBO Selection for Terminal Balance
660-471-500	1	Crossbar Tandem Offices — Office NBO Selection — For Through and/or Terminal Balance	660-475-502	1	Class 4P Toll Switchboard — Terminal Balance DBO Adjustments and Verification Tests
660-471-501	1	Crossbar Tandem Offices — Through Balance Build-Out Procedures and Verification Tests	660-475-504	1	Class 4P Toll Switchboards — Test Equipment, Test Circuits, and Terminations Used in Terminal Balance Testing
Add 660-471-502	1		660-475-520	1	Selection of Office NBO in Large Class 5 Offices Served by 4P Toll Switchboard
660-471-502	1	Crossbar Tandem Offices — Terminal Balance DBO Adjustments and Verification Tests	660-476-010	2	No. 1/1A ESS Offices — Through and Terminal Balance Records
660-471-503	1	Crossbar Tandem Office — Through and Terminal Balance — Analysis of Balance Irregularities	660-476-100	2	No. 1/1A ESS Offices — Through and Terminal Balance — General Information
Add 660-471-504	1		660-476-300	4	No. 1/1A ESS Offices — Through Balance Requirements
660-471-504	1	Crossbar Tandem Offices — Test Equipment, Test Circuits, and Terminations — Used in Through and Terminal Balancing Testing	660-476-301	3	No. 1/1A ESS Offices — Terminal Balance Requirements
660-472-300	2	No. 5 Crossbar Offices — Through Balance Requirements	660-476-500	2	No. 1/1A ESS Offices — Hybrid Balancing Network Adjustment of 4-Wire ESS Trunk Circuits and NBO Selection for Associated Switchboards for Through and/or Terminal Balancing
660-472-301	4	No. 5 Crossbar Offices — Terminal Balance Requirements	660-476-501	2	No. 1/1A ESS Offices — Through Balance Drop Build-Out (DBOI) Procedures and Verification Tests
660-473-300	3	No. 4 Type Crossbar Offices — Through Balance Requirements	Add 660-476-502	1	
660-473-301	3	No. 4 Type Crossbar Offices — Terminal Balance Requirements	660-476-502	2	No. 1/1A ESS Offices — Terminal Balance — DBO Procedures and Verification
660-473-501	1	No. 4 Crossbar Offices — Through Balance Build-Out Procedures and Verification Tests	Add 660-476-504	1	
660-474-010	1	Step-by-Step Offices — Terminal Balance — Administration and Records	660-476-504	2	No. 1/1A ESS Office Test Routines, Test Circuits, Test Terminations, and Test Equipment Applications for Through and Terminal Balance
660-474-100	1	Step-by-Step Offices — Terminal Balance — General Information	660-476-520	2	Selection of Office NBO in Large Class 5 Offices Served by No. 1/1A Electronic Switching System (ESS)
660-474-301	4	Step-by-Step Offices — Terminal Balance Requirements	660-477-010	1	No. 5 Crossbar — Automatic Call Distributor System (Phase II) — Administration and Records
660-474-500	1	Step-by-Step Offices — Office NBO Selection for Terminal Balance			

660-477-100	1	No. 5 Crossbar — Automatic Call Distributor System (Phase II) — General Balancing Information
Add 660-477-301	1	
660-477-301	1	No. 5 Crossbar — Automatic Call Distributor System (Phase II) — Balance Requirements
660-477-500	1	No. 5 Crossbar — Automatic Call Distributor System — Phase I — Balance Procedures — Network Build-Out Capacitance (INBOC) Selection
Add 660-477-502	1	
660-477-502	1	No. 5 Crossbar — Automatic Call Distributor System, Phase I — Balance Procedures — Drop Build-Out Capacitor (DBOC) Selection and Verification
660-477-504	1	No. 5 Crossbar — Automatic Call Distributor System (Phase II) — Balance Test Equipment and Test Circuits
660-478-010	1	No. 5 Crossbar — Automatic Call Distributor System (Phase III) — Administration and Records
Add 660-478-100	1	
660-478-100	1	No. 5 Crossbar — Automatic Call Distributor System — Phase II — General Balancing Information
660-478-301	3	No. 5 Crossbar — Automatic Call Distributing System (Phase III) — Balance Requirements
660-478-502	2	No. 5 Crossbar — Automatic Call Distributor System (Phase III) — Balance Procedures — Network Build-Out Capacitance (INBOC) Selection, Drop Build-Out Capacitor (DBOC) Selection, and Verification
660-478-504	2	No. 5 Crossbar — Automatic Call Distributor System (Phase III) — Balance Test Equipment and Test Circuits
660-479-100	1	Automatic Intercept Systems — General Balancing Information
660-479-101	1	Automatic Intercept System — (AIS) — Extended Range — General Balancing Considerations — Administration and Records
660-479-200	1	Automatic Intercept System (AIS) — Extended Range — Net Build-Out (NBO) and Drop Build-Out (DBO) Capacitor — Selection and Application — AIS Test Circuit
660-479-301	1	Automatic Intercept Systems (AIS) — Extended Range Balance Requirements and Verification Tests — Trouble Locating Procedures
Add 660-480-100	1	
660-480-100	1	No. 5 Crossbar — Automatic Call Distributor System — Phase I Extended Range — General Balancing Information
660-480-101	1	Phase I Extended Range — General Balancing Considerations — Administration and Records — No. 5 Crossbar Automatic Call Distributor System

660-480-200	1	Phase I, Extended Range — Net Build-Out and Drop Build-Out Capacitor Selection and Application — No. 5 Crossbar Automatic Call Distributor System
660-480-301	1	Phase I, Extended Range — Balance Requirements — No. 5 Crossbar Automatic Call Distributor System

660-5 TRUNK MAINTENANCE — LOCATIONS OTHER THAN TESTBOARDS

660-501-500	2	Trunk Transmission Testing Using the Loop-Around Method
660-502-500	2	Manual Two-Way Transmission Measurement and Far-End Noise Check Using Code 104-Type Far-End Equipment
660-503-500	1	Use of Expanded ROTL Balance and Long-Term (BALT) Test Port

660-6 TRUNK MAINTENANCE — TESTBOARD LOCATIONS

660-600-010	2	Trouble Log for Combined Primary and Secondary Toll Testboards
660-602-010	1	AOIT Test Frame — Routine Test Record — Form E-4323
660-602-300	1	Use of the Automatic Outgoing Intertoll Test Frame
660-621-010	2	Classifying Distance Dialing Trouble Reports — DDD Service Bureaus (DDDSBs) and Data Service Bureaus (DSBs)
660-625-014	1	Trunk Performance Record Form E-5685
Add 660-625-300	1	
660-625-300	3	Procedures for Reporting and Handling Service Reports on Toll Message Trunks, Private Lines and VF Circuits
660-625-500	3	Test of Reporting Trunks and Associated Equipment
Add 660-630-010	1	
660-630-010	3	International Service Results
660-630-301	2	International Services — Plant Operations
660-630-302	6	Identification of Offices Serving International Locations
660-630-303	1	International Service — International Service Coordination Centers and International Network Management Centers
660-630-310	4	International Service — Maintenance of Special Services and Maintenance of Transit Services
660-630-311	1	Maintenance of International Record Carrier Circuits — Channels to Overseas Location — Private Line Services
660-630-312	2	International Services — Responsibilities and Trouble Locating Procedures for Circuits at Group and Supergroup Frequencies
660-630-322	1	Emergency Restoration of Overseas Services

660-630-350	4	Maintenance of Interzone International — Message Trunks	660-817-500	1	Fault Location Methods — Test on Cable Pairs with Type N Carrier
660-638-500	1	Emergency Access Trunks at Class 1, 2, or 3 Toll Switching Offices	660-818-300	1	Open Wire Breaks — Emergency Restoration of Facilities Using Covered Wire
660-642-301	1	Trunk Maintenance — Test Board Locations — Overall Procedures for Testing and Sectionalizing IT and TC Trunks Using the Integrated or Intertoll Manual Test Frame and the Manual Test Frame Equipment With SMAS 3 in the Duit-Type Number 4 Cross-bar Office	Add 660-819-500	1	
			660-819-500	2	Fault Location Methods — Coaxial Cables
			660-820-300	1	Reports of Lightning Damage to Toll Cables
			660-822-300	1	Protector Drainage Installations on Open Wire and Toll Entrance Cable

660-8 CABLE AND OPEN-WIRE PLANT — MAINTENANCE

660-800-010	2	Toll Testboard Log for Open Wire and Cable Troubles
660-801-010	1	Toll Testboard Cable Records
660-802-010	1	Cable Trouble History — Testboard Record
660-803-010	1	Toll Cable Distance Records
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 - 2 No. 17B Testboard — No. 5 Crossbar Offices
 - 3 No. 17B Testboard — Lower Unit J63516E and Modified Lower Unit J63516D — Arranged for No. 5 Crossbar Offices
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- 664-400-503 1 Tone and Holding Trunk Circuit for Trouble Tracing in 2-Wire Switching Offices — Operating and Testing Methods
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-2		17E and 19A Testboards
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720-315-600	1	Electric Brake Controls — Inspection and Tests
720-320-300	1	Mico Lever Lock — Maintenance
720-325-300	2	Motor Vehicles — Rustproofing
720-330-300	1	Hydraulic Lift Gates

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720-340-100	1	Automotive Batteries — Care and Maintenance

720-4 CONSTRUCTION EQUIPMENT

720-405-200	1	H-21 Truck Platform Ladder — Field Installations
720-410-300	2	Power Winches — Maintenance
720-410-305	1	AT-8003 and AT-8029 Winches — AT-8111 Winch Hydraulic Drive — Maintenance
720-410-310	1	AT-8467 Winches — Maintenance
720-415-300	2	Power Take-Off — Maintenance

720-5 FLEET MAINTENANCE

720-500-100	1	General Guidelines
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720-6 INFORMATION MANAGEMENT SYSTEM

720-610-100	2	General Description
720-610-101	2	Input Fields and Procedures
720-610-102	1	Motor Vehicle Information Management System (MOVIMS) — Standard Inputs

DIVISION 740 — SUPPLIES — GENERAL INFORMATION

740-000 Indexes

● ♣ 740-000-000	9	Numerical Index — Division 740 — Supplies — General Information
● 740-000-001	1	Overall Supplies Numerical Index and Checking List — Divisions 740-749
● 740-000-002	1	Index of Materials Management Operations — Safety Precaution References

740-001 Training

● 740-001-000	4	Training Outline — Supply Forces
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DIVISION 741 — SUPPLIES — SUPPORTING FUNCTIONS

741-000 Indexes

● ♣ 741-000-000	7	Numerical Index — Division 741 — Supplies Supporting Functions
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741-001 Requirements

● 741-001-001	3	Plan for Preparing Quarterly Estimate of Requirements of Material and Supplies
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AT&T 000-000-002

Section Number	Issue	Subject
741-002 Shop Repair		
● 741-002-001	2	Distributing House Shop Repair Schedule
● 741-002-002	2	Computerized Shop Schedule Plan — Regional Material Distribution — Repair Scheduling System
741-003 Supply Catalogues		
● 741-003-001	2	Catalogue of Supplies

DIVISION 742 — SUPPLY CONTROLS

742-000 Indexes		
● ♣ 742-000-000	9	Numerical Index — Division 742 — Supply Controls
742-003 Inventories		
● 742-003-001	2	Annual Inventory of Class C Stock
742-004 Administrative Controls		
● 742-004-001	3	Expense Tool Report for Field Administration
● 742-004-002	1	Class C Stock Investment Control
● 742-004-003	1	Class C Stock Investment Analysis
● 742-004-004	1	Class C Stock Administration Order-Invoice Plan Locations
● 742-004-005	1	Class C Stock Level Control
● 742-004-006	1	Class C Stock Administration Elements — Station Apparatus
742-005 Administrative Cost Studies		
● 742-005-001	1	Supplies Comparative Cost Studies

DIVISION 743 — SUPPLY ORDERING

743-000 Indexes		
● ♣ 743-000-000	23	Numerical Index — Division 743 — Supply Ordering
743-001 Supply Ordering, General		
● 743-001-001	4	Material Ordering — Stationery Ordering Procedures
● 743-001-002	3	Uniformity of Nomenclature for Listing, Ordering, and Billing Materials
● 743-001-003	2	Standard Abbreviations — Ordering, Billing, and Associated Procedures

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743-002 Supply Ordering, Automation		
● 743-002-000	5	Material Ordering — Order-Invoice Plan
● 743-002-001	4	Material Ordering — Establishing COMCODE, Item Numbers, and Supplies Catalogs
● Add 743-002-002	1	
● 743-002-002	4	Material Ordering — "TOUCH-TONE®" Order Entry
● 743-002-010	1	Material Ordering — CRT Data Terminal Order Entry
● Add 743-002-011	1	
● 743-002-011	2	Material Ordering — Manual Ordering Procedures Under the Order Invoice Plan (OIP)

743-003 Supply Manual and Computer Controls

● 743-003-001	2	Material Ordering
● 743-003-003	2	Bell Operating Company Data Base File Maintenance — Regional Material Distribution System (RMDS)
● 743-003-006	1	Investment Analysis and Control
● 743-003-010	2	Station Equipment Field Inventory <i>Formerly 680-400-030</i>

DIVISION 744 — SUPPLY DISTRIBUTION

744-000 Indexes		
● ♣ 744-000-000	9	Numerical Index — Division 744 — Supply Distribution
744-001 General		
● 744-001-001	1	Supplies Distribution Concepts
744-002 Material Receipting and Verifying		
● 744-002-001	4	Receiving, Checking, and Receipting for Material Ordered From Western Electric
744-004 Work Location Distribution		
● 744-004-001	3	Distributing Supplies to Nonmotorized Cable Splicers
744-005 Storeroom Distribution		
● 744-005-001	3	Fully Attended Plant Storerooms — Planning, Layout, and Operation
744-006 Locker Distribution		
● 744-006-001	3	Supplying Installation and Repair Lockers

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DIVISION 745 — MATERIAL RETURNS		
745-000 Indexes		
● ♠ 745-000-000	10	Numerical Index — Division 745 — Material Returns
745-001 Major Material		
● 745-001-000	3	Returned Material — Tabulating Card Plan
745-002 Minor Material		
● 745-002-000	2	Handling Returned Material — Minor Materials Plan
745-003 Material Disposition		
● 745-003-000	3	Handling Packing, Shipping Class "B" (Scrap) Materials
745-004 Material Service and Return		
● 745-004-000	3	Repair Service and Return Plan — Processing Procedures
745-005 Protective Packaging		
● 745-005-000	1	Protective Packaging and Handling of Returned Material
● 745-005-001	1	Kits for Data Sets and Data Terminals
DIVISION 746 — SUPPLY FUNCTIONS — MISCELLANEOUS		
746-000 INDEXES		
● ♠ 746-000-000	5	Numerical Index — Division 746 — Supply Functions — Miscellaneous
746-001 CLAIMS AND COMPLAINTS		
● 746-001-001	2	Initiating and Handling Claims
DIVISION 750 — BISP GENERAL		
750-00 Indexes and General Information		
-20 Audit — General		
750-00 INDEXES AND GENERAL INFORMATION		
● ♠ 750-000-000	8	Numerical Index — Division 750 — BISP General
♠ 750-000-100	3	BISP Bell System Practices — Master Numerical Index, Divisions 750-759
♠ 750-000-200	2	BISP Bell System Practices — Master Numbering Plan, Divisions 750-759

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750-20 AUDIT — GENERAL		
♥ ♠ 750-200-100	1	Overview of BIS Audit Manuals
♥ ♠ 750-200-110	1	Audit Utilities User Guide
DIVISION 756 — BUSINESS INFORMATION SYSTEMS — TRUNKS AND SPECIAL SERVICES		
756-0 Indexes and General Information		
-1 PICS/DCPR		
-3 S&E Trunk Forecasting		
-5 TIRKS E1 (Trunks Integrated Records Keeping System)		
756-0 INDEXES AND GENERAL INFORMATION		
● ♠ 756-000-000	39	Numerical Index — Division 756 — Business Information Systems — Trunks and Special Services
756-1 PICS/DCPR		
♠ 756-100-100	2	Documentation Guide Index
♠ 756-100-101	2	Documentation Guide (General)
♠ 756-100-102	2	Planning and Conversion Index
♠ 756-100-103	2	Orientation and Training Index
♠ 756-100-104	2	Operations Index
♠ 756-100-105	2	Administration Index
♠ 756-100-106	2	Reference Documentation Index
♠ 756-140-120	1	PICS/1 User's Guide
♠ 756-140-130	2	Description of the Plug-In Control System (PICS) — Planning Guide
♠ 756-140-141	2	Installation — Summary and System — Description
♠ 756-140-142	2	Initial Installation Planning
♠ 756-140-143	2	Plug-In Inventory and Conversion Considerations
♠ 756-140-144	3	Hardwired Conversion Activities
♠ 756-140-145	2	Inventory and Conversion Procedures
♠ 756-140-146	1	On-Line System Initialization
♠ 756-140-147	1	Plug-In Administrator's Activities — Prior to and After a Central Stock Inventory
♠ 756-140-148	1	Inventory and Conversion Subsystem — Optical Character Recognition (OCR) — Typing and Scanning
♠ 756-140-149	1	Central Stock Reinventory Procedures
♠ 756-140-150	1	Personnel Planning Guide

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♣ 756-141-000	1	PICS/2 — Form Instructions (General)	♣ 756-141-016	1	Form No. BISP 61-0016 (Program Matrix 0016) Inventory Form Instructions — Carrier to TL Radio Combining Bay for Terminal or Repeater Locations
♣ 756-141-001	2	Form No. BISP 61-0001 (Program Matrix 0001) Inventory Form Instructions — T1 Carrier, D1 Channel Bank Power Supply (J86498A-1)	♣ 756-141-017	1	Form No. BISP 61-0017 (Program Matrix 0017) Inventory Form Instructions — 2A Echo Suppressors
♣ 756-141-002	2	Form No. BISP 61-0002 (Program Matrix 0002) Inventory Form Instructions — T1 Carrier, Combined D1A, D1C Bay — Repeater and Power — Supply Units	♣ 756-141-018	2	Form No. BISP 61-0018 (Program Matrix 0018) Inventory Form Instructions — 3A and 3B Echo Suppressors
♣ 756-141-003	1	Form No. BISP 61-0003 (Program Matrix 0003) Inventory Form Instructions — T1 Carrier, 201-Type Repeater Equipment Bay Mounted	♣ 756-141-019	1	Form No. BISP 61-0019 (Program Matrix 0019) Inventory Form Instructions — Dial Long Line Unit
♣ 756-141-004	1	Form No. BISP 61-0004 (Program Matrix 0004) Inventory Form Instructions — T1 Carrier, 206-Type Repeater	♣ 756-141-020	1	Form No. BISP 61-0020 (Program Matrix 0020) Inventory Form Instructions — N2 Carrier N2WT1 Wideband Terminal
♣ 756-141-005	2	Form No. BISP 61-0005 (Program Matrix 0005) Inventory Form Instructions — Subscriber Loop Multiplexer and T1 Carrier Equipment Located in Manholes or on Poles	♣ 756-141-021	1	Form No. BISP 61-0021 (Program Matrix 0021) Inventory Form Instructions — N2 Carrier Terminal — Regular and Package Frames — Channel Units
♣ 756-141-006	1	Form No. BISP 61-0006 (Program Matrix 0006) Inventory Form Instructions — T1 Carrier, D1, D1A, D1B, D1C Bank Equipment — Channel and Group Units	♣ 756-141-022	1	Form No. BISP 61-0022 (Program Matrix 0022) Inventory Form Instructions — N2 Carrier Terminal Group Units — Regular, Packaged, and N2WT1
♣ 756-141-007	1	Form No. BISP 61-0007 (Program Matrix 3007) Inventory Form Instructions — T1 Carrier, T1WM-1 Wideband Modem	♣ 756-141-023	1	Form No. BISP 61-0023 (Program Matrix 0023) Inventory Form Instructions — N2 Carrier Line Build-Out Bay
♣ 756-141-008	2	Form No. BISP 61-0008 (Program Matrix 3008) Inventory Form Instructions — T1 Carrier T1WB-1, 2, 3 Bank Arrangements	♣ 756-141-024	1	Form No. BISP 61-0024 (Program Matrix 0024) Inventory Form Instructions — N2 Carrier Repeater, Current Regulator, and Amplifier Bays
♣ 756-141-009	1	Form No. BISP 61-0009 (Program Matrix 0009) Inventory Form Instructions — T1 Carrier T1WM-4 Wideband Modem	♣ 756-141-025	1	Form No. BISP 61-0025 (Program Matrix 0025) Inventory Form Instructions — Traffic Data Recording System — No. 1A Summarizer
♣ 756-141-010	1	Form No. BISP 61-0010 (Program Matrix 0010) Inventory Form Instructions — 0-Type Carrier Repeaters	♣ 756-141-026	1	Form No. BISP 61-0026 (Program Matrix 0026) Inventory Form Instructions — Traffic Data Recording System — No. 1A Remote Record Cabinet or Frame
♣ 756-141-011	1	Form No. BISP 61-0011 (Program Matrix 0011) Inventory Form Instructions — O, ON1, ON2, ON/K Carrier Terminal Equipment	♣ 756-141-027	2	Form No. BISP 61-0027 (Program Matrix 0027) Inventory Form Instructions — TSPS Universal Trunk Frame
♣ 756-141-012	1	Form No. BISP 61-0012 (Program Matrix 0012) Inventory Form Instructions — N1 Carrier Terminal Equipment	♣ 756-141-028	1	Form No. BISP 61-0028 (Program Matrix 0028) Inventory Form Instructions — TSPS Universal Trunk Frame
♣ 756-141-013	1	Form No. BISP 61-0013 (Program Matrix 0013) Inventory Form Instructions — ON/K Carrier Terminal, Repeater, or Junction Equipment	♣ 756-141-029	1	Form No. BISP 61-0029 (Program Matrix 0029) Inventory Form Instructions — No. 1 ESS Junctor Frame
♣ 756-141-014	1	Form No. BISP 61-0014 (Program Matrix 0014) Inventory Form Instructions — N1, ON, ON/K, ON/Radio, N2 Repeaters for N1 or N1A Mounting	♣ 756-141-030	2	Form No. BISP 61-0030 (Program Matrix 0030) Inventory Form Instructions — No. 1 ESS Miscellaneous Trunk Frame
♣ 756-141-015	1	Form No. BISP 61-0015 (Program Matrix 0015) Inventory Form Instructions — N and ON Carrier Systems 240-Type — Flat Gain Amplifiers and Associated Networks	♣ 756-141-031	1	Form No. BISP 61-0031 (Program Matrix 0031) Inventory Form Instructions — No. 1 ESS Universal Trunk Frames

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♣ 756-141-032	1	Form No. BISP 61-0032 (Program Matrix 0032) Inventory Form Instructions — Private Service Systems — A1 Digital Data Systems	♣ 756-141-048	1	Form No. BISP 61-0048 (Program Matrix 0048) Inventory Form Instructions — V3 Telephone Repeaters Without Suffix and List
♣ 756-141-033	1	Form No. BISP 61-0033 (Program Matrix 0033) Inventory Form Instructions — Toll Systems — Multipoint Conference Bridge	♣ 756-141-049	3	Form No. BISP 61-0049 (Program Matrix 0049) Inventory Form Instructions — E-7 Telephone Repeaters With 830-Type Networks (Detailed by Apparatus Designations A to G) and Extenders CLE 76-724-00 and 7384
♣ 756-141-034	1	Form No. BISP 61-0034 (Program Matrix 0034) Inventory Form Instructions — Voice-Frequency Transmission Maintenance — Concentrator Bay	♣ 756-141-050	2	Form No. BISP 61-0050 (Program Matrix 0050) Inventory Form Instructions — 2400 or 2600 Single Frequency Signaling System
♣ 756-141-035	2	Form No. BISP 61-0035 (Program Matrix 0035) Inventory Form Instructions — N3 Carrier Terminal	♣ 756-141-051	1	Form No. BISP 61-0051 (Program Matrix 2051) Inventory Form Instructions — E-Type Signaling Bay — Regular on N2 and N3 Packaged Terminal Frame
♣ 756-141-036	1	Form No. BISP 61-0036 (Program Matrix 0036) Inventory Form Instructions — N3 Carrier, N3-L Type A Junction	♣ 756-141-052	2	Form No. BISP 61-0052 (Program Matrix 0052) Inventory Form Instructions — F-Type AC Trunk Signaling — J99335A, B, C, D Bay
♣ 756-141-037	1	Form No. BISP 61-0037 (Program Matrix 0037) Inventory Form Instructions — N3 Carrier, N3-L Type B Junction	♣ 756-141-053	2	Form No. BISP 61-0053 (Program Matrix 0053) Inventory Form Instructions — Consolidated and Unitized — F-Type Trunk Signaling Units (J98624A, C, D & J98626A, B, D, E Bays)
♣ 756-141-038	1	Form No. BISP 61-0038 (Program Matrix 0038) Inventory Form Instructions — N3 Carrier, N3-L Type C Junction	♣ 756-141-054	1	Form No. BISP 61-0054 (Program Matrix 0054) Inventory Form Instructions — TV Systems — A2A, A2B, A2AT Video Transmission Bays
♣ 756-141-039	1	Form No. BISP 61-0039 (Program Matrix 0039) Inventory Form Instructions — N3 Carrier Common Carrier Supply	♣ 756-141-055	1	Form No. BISP 61-0055 (Program Matrix 0055) Inventory Form Instructions — Wideband Loop Repeaters — WLR-1, 2, and 3
♣ 756-141-040	1	Form No. BISP 61-0040 (Program Matrix 0040) Inventory Form Instructions — Transistorized Conference Amplifiers — J99294	♣ 756-141-056	1	Form No. BISP 61-0056 (Program Matrix 0056) Inventory Form Instructions — Wideband Loop Repeaters — WLR-4 and 5
♣ 756-141-041	1	Form No. BISP 61-0041 (Program Matrix 0041) Inventory Form Instructions — E2-3 Telephone Repeaters and Disablers (With List Determination)	♣ 756-141-057	2	Form No. BISP 61-0057 (Program Matrix 0057) Inventory Form Instructions — 4A Echo Suppressor — J68914 — J98624 Consolidated Bay — J98626 Unitized Bay
♣ 756-141-042	1	Form No. BISP 61-0042 (Program Matrix 0042) Inventory Form Instructions — Amplitude and/or Delay Equalizing Unit — J99292A, J99292B, J99292C	♣ 756-141-058	1	Form No. BISP 61-0058 (Program Matrix 0058) Inventory Form Instructions for L4 Multiplex Repeaters — Main Station
♣ 756-141-043	1	Form No. BISP 61-0043 (Program Matrix 0043) Inventory Form Instructions — V3 Telephone Repeaters — With Suffix Digit and List	♣ 756-141-059	1	Form Number BISP 61-0059 (Program Matrix 0059) Inventory Form Instructions for L4 Multiplex Repeaters — Intermediate Station
♣ 756-141-044	1	Form No. BISP 61-0044 (Program Matrix 0044) Inventory Form Instructions — Intercontinental Trunk Supervision — Signal Converter Bay	♣ 756-141-060	2	Form No. BISP 61-0060 (Program Matrix 0060) Inventory Form Instructions — 24V4, 44V4, and 424V4 Repeaters
♣ 756-141-045	1	Form No. BISP 61-0045 (Program Matrix 0045) Inventory Form Instructions — E Signaling M Lead Corrector Units	♣ 756-141-061	2	Form No. BISP 61-0061 (Program Matrix 0061) Inventory Form Instructions — V4 Basic Repeaters
♣ 756-141-046	2	Form No. BISP 61-0046 (Program Matrix 0046) Inventory Form Instructions — E Signaling Transmission Path Cut Units	♣ 756-141-062	2	Form No. BISP 61-0062 (Program Matrix 0062) Inventory Form Instructions — No. 1 Type Terminating Set and 4182A, B, C Network (J98615C), CK and J98617J Bays)
♣ 756-141-047	1	Form No. BISP 61-0047 (Program Matrix 0047) Inventory Form Instructions — E2-3 Telephone Repeaters (Without List Determination)			

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♣ 756-141-063	1	Form No. BISP 61-0063 (Program Matrix 0063) Inventory Form Instructions for L-Type Multiplex — A5 Channel Bank (J68853)	♣ 756-141-079	1	Form No. BISP 61-0079 (Program Matrix 0079) Inventory Form Instructions — L-Type Multiplex — Receiving Group Bank Bay (J6872B-2)
♣ 756-141-064	1	Form Number BISP 61-0064 (Program Matrix 0064) Inventory Form Instructions for L-Type Multiplex, L600A Receiving Bay	♣ 756-141-080	1	Form No. BISP 61-0080 (Program Matrix 1080) Inventory Form Instructions — General Purpose Form
♣ 756-141-065	1	Form Number BISP 61-0065 (Program Matrix 0065) Inventory Form Instructions for L-Type Multiplex, L600A Transmitting Bay	♣ 756-141-081	1	Form No. BISP 61-0081 (Program Matrix 0081) Inventory Form Instructions — L-Type Multiplex — Receiving and Transmitting Supergroup High Frequency Patch Bays
♣ 756-141-066	1	Form Number BISP 61-0066 (Program Matrix 0066) Inventory Form Instructions for L-Type Multiplex, L1860A Receiving Bay	♣ 756-141-082	1	Form No. BISP 61-0082 (Program Matrix 0082) Inventory Form Instructions — L-Type Multiplex — L600A and L1860A — Common Bay
♣ 756-141-067	1	Form Number BISP 61-0067 (Program Matrix 0067) Inventory Form Instructions for L-Type Multiplex, L1860A Transmitting Bay	♣ 756-141-083	2	Form No. BISP 61-0083 (Program Matrix 0083) Inventory Form Instructions — Mastergroup Multiplex 2 Terminal MMX-2C for L4 Coaxial Systems and MMX-2R for TH-1 (), TD-1 (), and TD-3 Radio Systems
♣ 756-141-068	1	Form No. BISP 61-0068 (Program Matrix 0068) Inventory Form Instructions — L-Type Multiplex — L60A and L120A-Transmitting and Receiving Bay	♣ 756-141-084	1	Form No. BISP 61-0084 (Program Matrix 0084) Inventory Form Instructions — D2 Channel Bank, Channel Units
♣ 756-141-069	1	Form No. BISP 61-0069 (Program Matrix 0069) Inventory Form Instructions — C2A, C2B, or C2C Supergroup Connector	♣ 756-141-085	1	Form No. BISP 61-0085 (Program Matrix 0085) Inventory Form Instructions — D2 Channel Bank Equipment — Common, SMA, and Power Supply Units
♣ 756-141-070	1	Form No. BISP 61-0070 (Program Matrix 0070) Inventory Form Instructions — Telegraph Systems — 143-Type Regenerative Repeaters	♣ 756-141-086	2	Form No. BISP 61-0086 (Program Matrix 0086) Inventory Form Instructions — Type F AC Trunk Signaling System — FUA and Auxiliary Signaling Units — KS-20981 L-1, L-2 Ringers
♣ 756-141-071	1	Form No. BISP 61-0071 (Program Matrix 0071) Inventory Form Instructions — Telegraph Systems — 144-Type Coupling Units	♣ 756-141-087	1	Form No. BISP 61-0087 (Program Matrix 0087) Inventory Form Instructions — N-Carrier Program Terminal
♣ 756-141-072	1	Form No. BISP 61-0072 (Program Matrix 0072) Inventory Form Instructions — 43A1 Carrier Telegraph Systems	♣ 756-141-088	1	Form No. BISP 61-0088 (Program Matrix 0088) Inventory Form Instructions — Voice Operated Switch Gain Repeaters
♣ 756-141-073	1	Form No. BISP 61-0073 (Program Matrix 0073) Inventory Form Instructions — 96A-1 Electronic Loop Repeaters	♣ 756-141-089	1	Form No. BISP 61-0089 (Program Matrix 0089) Inventory Form Instructions — 43A1 Carrier Telegraph Systems
♣ 756-141-074	1	Form No. BISP 61-0074 (Program Matrix 0074) Inventory Form Instructions — 43B1 Voice Frequency Carrier — High Voltage Hub Converters	♣ 756-141-090	1	Form No. BISP 61-0090 (Program Matrix 0090) Inventory Form Instructions — AR Type Data Circuit Packs
♣ 756-141-075	1	Form No. BISP 61-0075 (Program Matrix 0075) Inventory Form Instructions — 43B1 Voice Frequency Carrier — Line, Channel, and Alarm Units	♣ 756-141-091	1	Form No. BISP 61-0091 (Program Matrix 0091) Inventory Form Instructions — L-Type Multiplex — LWM-2 and LWM-6 Wideband Modems
♣ 756-141-076	2	Form No. BISP 61-0076 (Program Matrix 0076) Inventory Form Instructions — 145A1 Regenerative Repeaters — Data Systems	♣ 756-141-092	1	Form No. BISP 61-0092 (Program Matrix 0092) Inventory Form Instructions — Voice-Frequency Transmission Maintenance — Connector Bay
♣ 756-141-077	1	Form No. BISP 61-0077 (Program Matrix 0077) Inventory Form Instructions — L-Type Multiplex — Supergroup and Group Banks — Receiving — Mix Packaged Bay (J68858P or DP)	♣ 756-141-093	1	Form No. BISP 61-0093 (Program Matrix 0093) Inventory Form Instructions — H-310-068 Mounting of 200-Type Delay Equalizers
♣ 756-141-078	1	Form No. BISP 61-0078 (Program Matrix 0078) Inventory Form Instructions — L-Type Multiplex — Supergroup and Group Banks, Transmitting Mix Packaged Bay (J68858N or DN)			

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♣ 756-141-094	1	Form No. BISP 61-0094 (Program Matrix 0094) Inventory Form Instructions — H-310-070 Mounting of 200-Type Delay Equalizers	♣ 756-141-119	1	Form No. BISP 61-0119 (Program Matrix 0119) — Inventory Form Instructions — T1 Carrier, D3 Channel Bank — Common, Maintenance and Hot Spare Units
♣ 756-141-095	1	Form No. BISP 61-0095 (Program Matrix 0095) Inventory Form Instructions — Loop Signaling Repeaters	♣ 756-141-120	1	Form No. BISP 61-0120 (Program Matrix 0120) — Inventory Form Instructions — Subscriber Loop Multiplexer — Central Office Equipment
♣ 756-141-096	1	Form No. BISP 61-0096 (Program Matrix 0096) Inventory Form Instructions — Range Extenders, VF Gain (Reg) Equipment	♣ 756-141-121	1	Form No. BISP 61-0121 — (Program Matrix 0121) Inventory Form Instructions — Subscriber Loop Multiplexer — Remote Terminal Equipment
♣ 756-141-099	1	Form No.3 BISP 61-0097 Through 61-0099 (Program Matrixes 0097 Through 0099) Inventory Forms Instructions — Specified Plug-Ins Classified as Minor Expense Items	♣ 756-141-122	1	Form No. BISP 61-0122 (Program Matrix 0122) — Inventory Form Instructions — KS-20988 Multi-Channel Subscriber Carrier — Central Office Shelves
♣ 756-141-100	2	Form No. BISP 61-0100 (Program Matrix 0100) Inventory Form Instructions — M1-2 Digital Multiplex	♣ 756-141-123	1	Form No. BISP 61-0123 (Program Matrix 0123) — Inventory Form Instructions — Multichannel Subscriber Carrier — KS-20988 — Subscriber Terminals and Repeaters
♣ 756-141-101	1	Form No. BISP 61-0101 (Program Matrix 0101) Inventory Form Instructions — M1-2 Digital Multiplex, 4213 and 4214 Networks	♣ 756-141-124	1	Form No. BISP 61-0124 (Program Matrix 0124) Inventory Form Instructions for Low Voltage Data Sets
♣ 756-141-102	1	Form No. BISP 61-0102 (Program Matrix 0102) Inventory Form Instructions — Dial Long Line Unit	♣ 756-141-125	1	Form No. BISP 61-0125 (Program Matrix 0125) — Inventory Form Instructions — T1 Carrier Subrate Data Multiplexer Bay
♣ 756-141-103	1	Form No. BISP 61-0103 (Program Matrix 0103) Inventory Form Instructions — Low Voltage Data Sets	♣ 756-141-126	1	Form No. BISP 61-0126 (Program Matrix 0126) — Inventory Form Instructions — T1 Carrier — Nodal Timing Supply Bay (J70177E-1)
♣ 756-141-111	2	Form Nos. BISP 61-0104 Through 61-0111 (Program Matrix 4104 Through 4111) — Inventory Forms Instructions Portable Test Sets and Tools — Designated as CPR 77,XXX and 78,XXX Items — WE Manufactured	♣ 756-141-127	1	Form No. BISP 61-0127 (Program Matrix 0127) — Inventory Form Instructions — T1 Carrier Two-Shelf Office Channel Unit Assembly (J70177AB), Three-Shelf Office Channel Unit and Power Assembly (J70177AA), and Data Multiplex Performance Monitor Shelf Assembly (J70177AF)
♣ 756-141-112	1	Form No. BISP 61-0112 (Program Matrix 0112) Inventory Form Instructions — T1 Carrier D1, D1A, D1B, D1C, and D1D Bank Equipment — Channel Units	♣ 756-141-128	1	Form No. BISP 61-0128 (Program Matrix 0128) — Inventory Form Instructions — T1 Carrier — Local Timing Supply and T1DM Assembly (J70177AG) and Data Multiplexer Shelf (J70177AD)
♣ 756-141-113	1	Form No. BISP 61-0113 (Program Matrix 0113) — Inventory Form Instructions — T1 Carrier, D1, D1A, D1B, D1C, and D1D Bank Equipment — Group Units	♣ 756-141-129	1	Form No. BISP 61-0129 (Program Matrix 0129) — Inventory Form Instructions — T1WB4 Data — Voice Multiplexer — Shelf Assembly (J70177AP)
♣ 756-141-114	1	Form No. BISP 61-0114 (Program Matrix 0114) — Inventory Form Instructions — L-Type Multiplex-A6 Channel Bank (J68929)	♣ 756-141-130	1	Form No. BISP 61-0130 (Program Matrix 0130) — Inventory Form Instructions — T1 Carrier — Four-Shelf T1DM — Multiplexer Assembly (J70177AE)
♣ 756-141-115	1	Form No. BISP 61-0115 (Program Matrix 0115) — Inventory Form Instructions — E Signaling E&M Lead Applique	♣ 756-141-132	1	Form No. BISP 61-0132 (Program Matrix 0132) — Inventory Form Instructions — T2 Carrier Span Terminating Bay — Office Repeater Units
♣ 756-141-116	1	Form No. BISP 61-0116 (Program Matrix 0116) — Inventory Form Instructions — L-Type Multiplex — A6 Channel Bank — Unitized Terminal Bay (J98626)	♣ 756-141-133	1	Form No. BISP 61-0133 (Program Matrix 0133) — Inventory Form Instructions — T2 Carrier Span Terminating Bay — Protection Switching, Power and Alarm Units
♣ 756-141-117	1	Form No. BISP 61-0117 (Program Matrix 0117) — FU-Type Signaling Units on J98624B, E, F, G (Consolidated Bay) — J98626C, F (Unitized Terminal Bay)			
♣ 756-141-118	1	Form No. BISP 61-0118 (Program Matrix 0118) — Inventory Form Instructions — T1 Carrier, D3 Channel Bank — Channel Units			

Section Number	Issue	Subject	Section Number	Issue	Subject
♣ 756-141-134	1	Form No. BISP 61-0134 (Program Matrix 0134) — Inventory Form Instructions — T2 Carrier Span Terminating Power Supply Bay	♣ 756-152-120	1	Batch Run Dependencies — Inventory and Investment
♣ 756-141-135	1	Form No. BISP 61-0135 (Program Matrix 0135) — Inventory Form Instructions — T2 Carrier Regenerator and Maintenance Unit Located on Repeater Bays or in Manholes and Shelters	♣ 756-152-130	1	Batch Run Dependencies — Inventory Management Control
♣ 756-141-136	1	Form No. BISP 61-0136 (Program Matrix 0136) — Inventory Form Instructions — T2 Carrier Intermediate Power Supply Bay and Repeater Bay Power Units	♣ 756-152-200	1	Batch Run Dependencies — Equipment Acquisition
♣ 756-151-000	1	Plug-In Inventory Control System — Detailed Continuing Property Record — PICS/DCPR User's Manual — On-Line Programs	♣ 756-152-210	1	Batch Run Dependencies — Circuit Orders
♣ 756-151-101	1	User's Manual — On-Line Inquiry Programs — Transaction Files	♣ 756-152-220	1	Batch Run Dependencies — Repair
♣ 756-151-102	2	User's Manual — On-Line Inquiry Programs — Order Files	♣ 756-152-230	1	Batch Run Dependencies — Back Orders
♣ 756-151-103	1	User's Manual — On-Line Inquiry Programs — CPR Inventory Files	♣ 756-152-300	1	Batch Run Dependencies — DCPR Records
♣ 756-151-104	1	User's Manual — On-Line Inquiry Programs — ECI Inventory Files	♣ 756-152-310	1	Batch Run Dependencies — DCPR Processing
♣ 756-151-105	1	User's Manual — On-Line Inquiry Programs — Miscellaneous File	♣ 756-152-320	1	Batch Run Dependencies — Monthlies
♣ 756-151-106	1	User's Manual — On-Line Inquiry Programs — Financial Reference File	♣ 756-152-330	1	Batch Run Dependencies — Annuals
♣ 756-151-107	1	User's Manual — On-Line Inquiry Programs — Location Table	♣ 756-152-400	1	Batch Run Dependencies — On-Line System Performance
♣ 756-151-108	1	User's Manual — On-Line Inquiry Programs — Equipment Table	♣ 756-152-410	1	Batch Run Dependencies — Reference Files
♣ 756-151-201	1	User's Manual — On-Line Update Programs — Transactions	♣ 756-152-420	1	Batch Run Dependencies — File Integrity Analysis
♣ 756-151-202	1	User's Manual — On-Line Update Programs — Order Files	♣ 756-152-430	1	Batch Run Dependencies — System Backup and File Maintenance
♣ 756-151-203	1	User's Manual — On-Line Update Programs — CPR Inventory Files	♣ 756-153-011	1	User's Manual — Batch Runs — Create Reconciliation and Analysis History File
♣ 756-151-204	1	User's Manual — On-Line Update Programs — ECI Inventory	♣ 756-153-012	1	User's Manual — Batch Runs — PICS Report 40
♣ 756-151-205	2	User's Manual — On-Line Update Programs — Miscellaneous Files	♣ 756-153-014	1	User's Manual — Batch Runs — PICS Report 43C
♣ 756-151-206	2	User's Manual — On-Line Update Programs — Financial Reference Files	♣ 756-153-101	1	User's Manual — Batch Runs — Extract ECI Conversion Table
♣ 756-151-207	1	User's Manual — On-Line Update Programs — Location Tables	♣ 756-153-102	1	User's Manual — Batch Runs — PICSUSER (Run 21)
♣ 756-151-208	1	User's Manual — On-Line Update Programs — Equipment Tables	♣ 756-153-103	1	User's Manual — Batch Runs — PICSCSER (Run 15)
♣ 756-152-010	1	Batch Run Dependencies — Overview	♣ 756-153-104	2	User's Manual — Batch Runs — PICRSER (Run 11)
♣ 756-152-110	1	Batch Run Dependencies — Plug-In Inventory Records	♣ 756-153-105	1	User's Manual — Batch Runs — PICSPSER (Run 9)
			♣ 756-153-106	1	User's Manual — Batch Runs PICSUECI (Run 7)
			♣ 756-153-107	1	User's Manual — Batch Runs — PICSCCECI (Run 17)
			♣ 756-153-108	1	User's Manual — Batch Runs — PICSRCEI (Run 13)
			♣ 756-153-109	1	User's Manual — Batch Runs — PICSPECI (Run 19)

Section Number	Issue	Subject	Section Number	Issue	Subject
♣ 756-153-120	1	User's Manual — Batch Runs — Extract Location Conversion Table	♣ 756-153-164	1	User's Manual — Batch Runs — Restore File 7
♣ 756-153-121	1	User's Manual — Batch Runs — Extract Price Conversion Table	♣ 756-153-165	1	User's Manual — Batch Runs — Restore File 9
♣ 756-153-122	1	User's Manual — Batch Runs — Extract Tax Table	♣ 756-153-166	1	User's Manual — Batch Runs — Newdiffr
♣ 756-153-123	1	User's Manual — Batch Runs — Extract Reference Conversion Tables	♣ 756-153-167	1	User's Manual — Batch Runs — CSRI Actual Average Price Table
♣ 756-153-125	1	User's Manual — Batch Runs — PICSCVRN (Run 4)	♣ 756-153-180	1	User's Manual — Batch Runs — CPR Update
♣ 756-153-126	1	User's Manual — Batch Runs — PICSAGES (Run 5)	♣ 756-153-181	1	User's Manual — Batch Runs — Load CS CPR
♣ 756-153-127	1	User's Manual — Batch Runs — PICSULOC (Run 8)	♣ 756-153-182	1	User's Manual — Batch Runs — Restore Original File 9 (MS CPR)
♣ 756-153-128	1	User's Manual — Batch Runs — PICSCLOC (Run 18)	♣ 756-153-184	1	User's Manual — Batch Runs — File 9 Backup of MS CPR Load
♣ 756-153-129	1	User's Manual — Batch Runs — PICSRLC (Run 14)	♣ 756-153-185	1	User's Manual — Batch Runs — ECI Update
♣ 756-153-130	1	User's Manual — Batch Runs — PICSPLC (Run 20)	♣ 756-153-186	1	User's Manual — Batch Runs — Restore Original File 4 (MS LOC ECI)
♣ 756-153-131	1	User's Manual — Batch Runs — PICSUPRC (Run 6)	♣ 756-153-188	1	User's Manual — Batch Runs — File 4 Backup of MS LOC ECI Load
♣ 756-153-132	1	User's Manual — Batch Runs — PICSAPRC (Run 16)	♣ 756-153-189	1	User's Manual — Batch Runs — Load CS ECI
♣ 756-153-133	1	User's Manual — Batch Runs — PICSAPRC (Run 12)	♣ 756-153-190	1	User's Manual — Batch Runs — Restore Original File 5 (MS CS ECI)
♣ 756-153-134	1	User's Manual — Batch Runs — PICSAPRC (Run 10)	♣ 756-153-192	1	User's Manual — Batch Runs — File 5 Backup of MS CS ECI Load
♣ 756-153-151	1	User's Manual — Batch Runs — IH PICSCVRN (Run 4)	♣ 756-153-201	1	User's Manual — Batch Runs — On-Line
♣ 756-153-152	1	User's Manual — Batch Runs — IH PICSAGES (Run 5)	♣ 756-153-211	1	User's Manual — Batch Runs — Print File 1
♣ 756-153-153	1	User's Manual — Batch Runs — IH PICSAPRC (Run 10)	♣ 756-153-212	3	User's Manual — Batch Runs — Print File 2
♣ 756-153-154	1	User's Manual — Batch Runs — IH PICSPLC (Run 20)	♣ 756-153-213	1	User's Manual — Batch Runs — Print File 2A
♣ 756-153-155	1	User's Manual — Batch Runs — CSRI Initialization	♣ 756-153-214	1	User's Manual — Batch Runs — Print File 2B
♣ 756-153-156	1	User's Manual — Batch Runs — CSRI File Backup	♣ 756-153-215	1	User's Manual — Batch Runs — Print PIFC/J Draw
♣ 756-153-160	1	User's Manual — Batch Runs — Print Files 5, 7, 9	♣ 756-153-216	1	User's Manual — Batch Runs — Print File 3
♣ 756-153-161	1	User's Manual — Batch Runs — Ordersub	♣ 756-153-217	1	User's Manual — Batch Runs — Print File 4
♣ 756-153-162	1	User's Manual — Batch Runs — Zero CS CPR and ECI	♣ 756-153-218	1	User's Manual — Batch Runs — Print File 4A
♣ 756-153-163	1	User's Manual — Batch Runs — Restore File 5	♣ 756-153-219	1	User's Manual — Batch Runs — Print File 5
			♣ 756-153-220	1	User's Manual — Batch Runs — Print File 5A
			♣ 756-153-221	1	User's Manual — Batch Runs — Print File 6
			♣ 756-153-222	1	User's Manual — Batch Runs — Print File 7
			♣ 756-153-223	1	User's Manual — Batch Runs — Print File 7A
			♣ 756-153-224	1	User's Manual — Batch Runs — Print File 8
			♣ 756-153-225	1	User's Manual — Batch Runs — Print File 9

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♣ 756-153-226	1	User's Manual — Batch Runs — Print File 10	♣ 756-153-305	1	User's Manual — Batch Runs — Print Shipping Notice
♣ 756-153-227	1	User's Manual — Batch Runs — Print File 11	♣ 756-153-306	1	User's Manual — Batch Runs — Reorganize File 6
♣ 756-153-228	1	User's Manual — Batch Runs — Print File 12	♣ 756-153-307	1	User's Manual — Batch Runs — Reorganize File 17
♣ 756-153-229	1	User's Manual — Batch Runs — Print File 13 (Back Orders)	♣ 756-153-308	1	User's Manual — Batch Runs — Reorganize File 24
♣ 756-153-230	1	User's Manual — Batch Runs — Print Pending Circuit Orders	♣ 756-153-401	1	User's Manual — Batch Runs — PICS File Restore A
♣ 756-153-231	1	User's Manual — Batch Runs — Print File 13 (Repair Log)	♣ 756-153-402	1	User's Manual — Batch Runs — PICS File Restore B
♣ 756-153-232	1	User's Manual — Batch Runs — Print File 14	♣ 756-153-501	1	User's Manual — Batch Runs — Transaction Delete
♣ 756-153-233	1	User's Manual — Batch Runs — Print File 15	♣ 756-153-502	1	User's Manual — Batch Runs — File 7 Purge
♣ 756-153-234	1	User's Manual — Batch Runs — Print File 18	♣ 756-153-503	1	User's Manual — Batch Runs — File 13 Purge
♣ 756-153-235	1	User's Manual — Batch Runs — Print File 19	♣ 756-153-504	1	User's Manual — Batch Runs — File 15 Purge
♣ 756-153-236	1	User's Manual — Batch Runs — Print File 20	♣ 756-153-505	1	User's Manual — Batch Runs — Update Tax Table
♣ 756-153-237	1	User's Manual — Batch Runs — Print File 21	♣ 756-153-507	1	User's Manual — Batch Runs — CPR Catalog Update
♣ 756-153-238	1	User's Manual — Batch Runs — Print File 22	♣ 756-153-508	1	User's Manual — Batch Runs — Check ECI to ECIG
♣ 756-153-239	1	User's Manual — Batch Runs — Print File 23	♣ 756-153-509	1	User's Manual — Batch Runs — Price Table Update
♣ 756-153-240	1	User's Manual — Batch Runs — Print Explosion Table Catalog	♣ 756-153-510	1	User's Manual — Batch Runs — Price Table Restore
♣ 756-153-241	1	User's Manual — Batch Runs — Print File 24	♣ 756-153-511	1	User's Manual — Batch Runs — Delete ECI
♣ 756-153-242	1	User's Manual — Batch Runs — Print File 25	♣ 756-153-512	1	User's Manual — Batch Runs — MS Delete ECI
♣ 756-153-243	1	User's Manual — Batch Runs — Print Price Table Vertically	♣ 756-153-611	1	User's Manual — Batch Runs — Change HW Reconciliation Limits
♣ 756-153-244	1	User's Manual — Batch Runs — Print File 6 by CPR	♣ 756-153-612	1	User's Manual — Batch Runs — Change PI Definition
♣ 756-153-245	1	User's Manual — Batch Runs — Print File 6 by ECI	♣ 756-153-613	1	User's Manual — Batch Runs — Change PIOC Retirement Default Factor
♣ 756-153-246	1	User's Manual — Batch Runs — Print File 2 With Indicators	♣ 756-153-614	1	User's Manual — Batch Runs — PICS Monthly Initialization
♣ 756-153-247	1	User's Manual — Batch Runs — Print File 19(DR)	♣ 756-153-615	1	User's Manual — Batch Runs — PIOC Factor Initialization
♣ 756-153-248	1	User's Manual — Batch Runs — Print File 4 by CLIC	♣ 756-153-701	1	Annual CPR Analysis 1
♣ 756-153-249	1	User's Manual — Batch Runs — Print File 4 by Equipment Code	♣ 756-153-702	1	Annual CPR Analysis 2
♣ 756-153-301	1	User's Manual — Batch Runs — PICS File Save	♣ 756-153-703	1	Annual CPR Analysis 3
♣ 756-153-302	1	User's Manual — Batch Runs — Daily Performance Statistics	♣ 756-153-704	1	Annual CPR Analysis 4
♣ 756-153-303	1	User's Manual — Batch Runs — Weekly Performance Statistics			
♣ 756-153-304	1	User's Manual — Batch Runs — Print Reconciliation and File Analysis Reports			

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♣ 756-153-710	1	Annual 1	♣ 756-153-805	1	User's Manual — Batch Runs — PICS Report 41R
♣ 756-153-719	1	Annual 1 Restoral	♣ 756-153-821	1	User's Manual — Batch Runs — PICS Report 1A
♣ 756-153-720	1	Annual 2	♣ 756-153-822	1	User's Manual — Batch Runs — PICS Report 1B
♣ 756-153-729	1	Annual 2 Restoral	♣ 756-153-823	1	User's Manual — Batch Runs — PICS Report 1D
♣ 756-153-730	1	Annual 3	♣ 756-153-824	1	User's Manual — Batch Runs — PICS Report 1E
♣ 756-153-739	1	Annual 3 Restoral	♣ 756-153-825	1	User's Manual — Batch Runs — PICS Report 6
♣ 756-153-740	1	Annual 4	♣ 756-153-826	1	User's Manual — Batch Runs — PICS Report 1C
♣ 756-153-749	1	Annual 4 Restoral	♣ 756-153-832	1	User's Manual — Batch Runs — PICS Report 8
♣ 756-153-750	1	Annual 5	♣ 756-153-833	1	User's Manual — Batch Runs — PICS Report 43R
♣ 756-153-759	1	Annual 5 Restoral	♣ 756-153-834	1	User's Manual — Batch Runs — Daily Shipping Notice Summary
♣ 756-153-760	1	Annual 6	♣ 756-153-835	1	User's Manual — Batch Runs — Transaction File Summary
♣ 756-153-769	1	Annual 6 Restoral	♣ 756-153-837	1	User's Manual — Batch Runs — ECI/CPR Record Mismatch Report
♣ 756-153-781	1	User's Manual — Batch Runs — Develop Hardwired Balances	♣ 756-153-838	1	User's Manual — Batch Runs — Shortage/Overage Correction Report
♣ 756-153-782	1	User's Manual — Batch Runs — Preinventory CPR Summary	♣ 756-153-839	1	User's Manual — Batch Runs — PICS Report 5
♣ 756-153-784	1	User's Manual — Batch Runs — Print CPR Pointers	♣ 756-153-840	1	User's Manual — Batch Runs — Print Overdue Circuit Orders
♣ 756-153-785	1	User's Manual — Batch Runs — Print Central Stock CPR Summary	♣ 756-153-841	1	User's Manual — Batch Runs — PICS Report 4
♣ 756-153-786	1	User's Manual — Batch Runs — Pointer Overflow Analysis	♣ 756-153-842	1	User's Manual — Batch Runs — PICS Report 7
♣ 756-153-787	1	User's Manual — Batch Runs — File 22 Analysis	♣ 756-153-843	1	User's Manual — Batch Runs — Back-Order Reconciliation Report
♣ 756-153-788	1	User's Manual — Batch Runs — Print CPR by Location	♣ 756-153-844	1	User's Manual — Batch Runs — Back-Order Summary Report
♣ 756-153-789	1	User's Manual — Batch Runs — Depreciation vs DR Dollars Report	♣ 756-153-845	1	User's Manual — Batch Runs — Central Stock Back-Order Records
♣ 756-153-792	1	User's Manual — Batch Runs — DR Incomplete Equipment Category Codes	♣ 756-153-846	1	User's Manual — Batch Runs — PICS Report 12
♣ 756-153-794	1	User's Manual — Batch Runs — File 09 Dollar Balancing Initialization	♣ 756-153-847	1	User's Manual — Batch Runs — PICS Report 13
♣ 756-153-795	1	User's Manual — Batch Runs — File 09 Dollar Balancing	♣ 756-153-848	1	User's Manual — Batch Runs — PICS Report 13A
♣ 756-153-796	1	User's Manual — Batch Runs — Transfer MD300 Plug-Ins	♣ 756-153-849	1	User's Manual — Batch Runs — PICS Report 14
♣ 756-153-801	1	User's Manual — Batch Runs — PICS Report 30			
♣ 756-153-802	1	User's Manual — Batch Runs — PICS Report 4R			
♣ 756-153-803	1	User's Manual — Batch Runs — PICS Report 41			
♣ 756-153-804	1	User's Manual — Batch Runs — PICS Report 40R			

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♣ 756-153-921	1	User's Manual — Batch Runs — Create Maximum Spare Levels	♣ 756-162-111	1	PICS/2 — System Orientation Manual — Part 2 — Plug-In Acquisition and Repair
♣ 756-153-922	1	User's Manual — Batch Runs — CS/CO Plug-In Availability Report	♣ 756-162-112	1	PICS/2 — System Orientation Manual — Part 3 — Plug-In Movement
♣ 756-153-923	1	User's Manual — Batch Runs — Central Stock Reorder Summary	♣ 756-162-113	1	PICS/2 — System Orientation Manual — Part 4 — Reference File Maintenance
♣ 756-153-924	1	User's Manual — Batch Runs — Reset CS Movement Fields	♣ 756-162-114	1	PICS/2 — System Orientation Manual — Part 5 — Detailed Continuing Property Record (DCPR) Processes
♣ 756-153-925	1	User's Manual — Batch Runs — Central Office Overstock Summary	♣ 756-162-130	2	Introduction to PICS/DCPR
♣ 756-159-000	1	Plug-In Inventory Control System — Detailed Continuing Property Record — PICS/DCPR Forms Guide	♣ 756-162-141	2	CRT Training Manual for the IBM 3270 System
♣ 756-160-310	1	PICS/2 — Plug-In Movement — Student Workbook — Receive Inputs — 300.A	♣ 756-162-160	2	An Overview of Reference File Maintenance
♣ 756-160-320	1	PICS/2 — Plug-In Movement — Student Workbook — Process Work Orders — 300.B, Part 1	♣ 756-162-162	1	PICS/2 — An Overview of Plug-In Acquisition and Repair
♣ 756-160-321	1	PICS/2 — Plug-In Movement — Student Workbook — Process Work Orders — 300.B, Part 2	♣ 756-162-300	1	An Overview of Plug-In Movement
♣ 756-160-330	1	PICS/2 — Plug-In Movement — Student's Workbook — Control Forms — 300.C	♣ 756-163-000	1	Slide/Tape Orientation
♣ 756-160-340	1	PICS/DCPR Plug-In Movement — Student's Workbook — Initiate Transactions — 300.D	♣ 756-169-310	1	PICS/2 — Plug-In Movement — Instructor's Answer Book — Receive Inputs — 300.A
♣ 756-160-350	1	Plug-In Movement — Student Workbook — Verify Transactions — 300.E	♣ 756-169-320	1	PICS/2 — Plug-In Movement — Answer Book — Process Work Orders — 300.B, Part 1
♣ 756-160-360	1	Plug-In Movement — Student's Workbook — Correct Errors — 300.F	♣ 756-169-321	1	PICS/2 — Plug-In Movement — Instructor's Answer Book — Process Work Orders — 300.B, Part 2
♣ 756-161-310	1	PICS/2 — Plug-In Movement — Instructor's Guide — Receiver Inputs — 300.A	♣ 756-169-330	1	PICS/2 — Plug-In Movement — Instructor's Answer Book — Control Forms — 300.C
♣ 756-161-320	1	PICS/2 — Plug-In Movement — Instructor's Guide — Process Work Orders — 300.B, Part 1	♣ 756-169-340	1	Plug-In Movement — Instructor's Answer Book — Initiate Transactions — 300.D
♣ 756-161-321	1	PICS/2 — Plug-In Movement — Instructor's Guide — Process Work Orders — 300.B, Part 2	♣ 756-169-350	1	Plug-In Movement — Instructor's Answer Book — Verify Transactions — 300.E
♣ 756-161-330	1	PICS/2 — Plug-In Movement — Instructor's Guide — Control Forms — 300.C	♣ 756-169-360	1	Plug-In Movement — Instructor's Answer Book — Correct Errors — 300.F
♣ 756-161-340	1	Plug-In Movement — Instructor's Guide — Initiate Transactions — 300.D	♣ 756-170-310	1	PICS/2 — Plug-In Movement — Position Practice — Receive Inputs — 300.A
♣ 756-161-350	1	Plug-In Movement — Instructor's Guide — Verify Transactions — 300.E	♣ 756-170-320	1	PICS/2 — Plug-In Movement — Position Practice — Process Work Orders
♣ 756-161-360	1	Plug-In Movement — Instructor's Guide — Correct Errors — 300.F	♣ 756-170-330	1	PICS/2 — Plug-In Movement — Position Practice — MOV — Control Forms — 300.C
♣ 756-162-101	2	The Evolution of PICS — A BISP Product (16 mm Film)	♣ 756-170-340	1	PICS/2 — Plug-In Movement — Position Practice — Initiate Transactions — 300.D
♣ 756-162-110	1	PICS/2 — System Orientation Manual — Part 1 — General Orientation	♣ 756-170-350	1	PICS/2 — Plug-In Movement — Position Practice — Verify Transactions
			♣ 756-170-360	1	PICS/2 — Plug-In Movement — Position Practice — Correct Errors — 300.F
			♣ 756-172-100	1	PICS/2 — Program Folders

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♣ 756-173-100	1	Run Processing Folders	♥ 756-365-132	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Busy Hour Determination — Card 200 — Input Position
♣ 756-174-100	1	Process Entity Folders	♥ 756-365-133	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Busy Hour Determination — Card 200 — Input Position
♣ 756-175-100	1	Load Module Folders	♥ 756-365-134	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Main Station Statistics — Card 410 — Input Position
♣ 756-180-100	1	Central Stock — Administrative Guide	♥ 756-365-135	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Main Station Statistics — Card 410 — Input Position
♣ 756-180-200	1	PICS/1 — Operations Audit Manual	♥ 756-365-136	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Main Station Statistics — Card 420 — Input Position
♣ 756-180-210	1	Audit Manual	♥ 756-365-137	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Main Station Statistics — Card 420 — Input Position
♣ 756-182-200	1	EDP System Manual — Introduction and Index	♥ 756-365-138	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Main Station Statistics Cards 430-440-450 — Input Position
♣ 756-182-201	1	EDP System Manual — EDP System Overview	♥ 756-365-139	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Main Station Statistics Cards 430-440-450 — Input Position
♣ 756-182-202	2	EDP System Manual — Hardware Configuration	♥ 756-365-140	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Trunk Statistics — Card 460 — Input Position
♣ 756-182-203	1	EDP System Manual — Software Environment	♥ 756-365-141	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Trunk Statistics — Card 460 — Input Position
♣ 756-182-204	1	EDP System Manual — Telecommunications	♥ 756-365-142	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Trunk Statistics — Card 470 — Input Position
♣ 756-182-205	1	EDP System Manual — Maintenance	♥ 756-365-143	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Trunk Statistics — Card 470 — Input Position
♣ 756-182-206	1	EDP System Manual — PSS — Computer Center Operations	♥ 756-365-144	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Recycle Control — Card 500 — Input Position
♣ 756-182-207	1	EDP System Manual — Backup and Reconstruction	♥ 756-365-145	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Recycle Control — Card 500 — Input Position
♣ 756-182-208	1	EDP System Manual — File Reorganization and Storage Allocation	♥ 756-365-146	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Report Control — Card 501 — Input Position
♣ 756-182-209	1	EDP System Manual — Data Base Purge Procedures	♥ 756-365-147	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Report Control — Card 501 — Input Position
♣ 756-182-210	1	EDP System Manual — Security Maintenance	♥ 756-365-148	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Miscellaneous Traffic Measurement — Card 502-503 — Input Position
♣ 756-182-211	1	EDP System Manual — Performance Evaluation			
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♣ 756-182-215	1	EDP System Manual — Messages and Codes			
♣ 756-182-216	1	EDP System Manual — Data Base and Machine Interface Layouts			
♣ 756-182-217	1	EDP System Manual — Program Linkage Trees			
♣ 756-182-910	1	Amigos User's Manual			
♣ 756-182-920	1	Hyper-Faster User's Manual			
756-3 S&E TRUNK FORECASTING					
♥ 756-365-130	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Office Characteristics — Card 100 — Input Position	♥ 756-365-131	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Office Characteristics — Card 100 — Input Position

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♥ 756-365-149	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Miscellaneous Traffic Measurement — Card 502-503 — Input Position
♥ 756-365-150	1	No. 5 Crossbar — Central Office Equipment Reports — Print Control File — Card 800 — Input Position
♥ 756-365-151	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Print Control File — Card 800 — Input Position
♥ 756-365-152	1	No. 5 Crossbar — Central Office Equipment Reports — Instructor Guide — Print Reports — Card 900 — Input Position
♥ 756-365-153	1	No. 5 Crossbar — Central Office Equipment Reports — Student Manual — Print Reports — Card 900 — Input Position
♥ 756-365-160	1	No. 5 Crossbar — Central Office Equipment Reports — System Manual — Training Materials
♥ 756-365-161	1	No. 5 Crossbar — Central Office Equipment Reports (COER) — System Manual Training — Instructor Guide
♥ 756-365-162	1	No. 5 Crossbar — Central Office Equipment Reports (COER) — Training and Administration Guide
♥ 756-375-121	1	No. 5 Crossbar — Central Office Equipment Reports System (COER) — System Manual — General — System Description
♥ 756-375-122	1	Central Office Equipment Reports System No. 5 Crossbar COER — Office Characteristics — System Input Documents
♥ 756-375-123	1	System Output Reports
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♥ 756-375-125	1	Error Code Lists
♥ 756-375-126	1	System Glossary
♥ 756-375-127	1	Index
♥ 756-375-130	1	No. 5 Crossbar — Central Office Equipment Report System — Position Practice — Prepare Office Characteristics — Input Record — Card 100
♥ 756-375-132	1	No. 5 Crossbar — Central Office Equipment Report System — Position Practice — Prepare Busy Hour Determination — Input Record — Card 200
♥ 756-375-134	1	No. 5 Crossbar — Central Office Equipment Report System — Position Practice — Prepare Main Station Statistics — Input Record — Card 410
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♥ 756-375-138	1	No. 5 Crossbar — Central Office Equipment Report System — Position Practice — Prepare Main Station Statistics — Input Records — Cards 430-440-450
♥ 756-375-140	1	No. 5 Crossbar — Central Office Equipment Report System — Position Practice — Prepare Trunk Statistics — Input Record — Card 460
♥ 756-375-142	1	No. 5 Crossbar — Central Office Equipment Report System — Position Practice — Prepare Trunk Statistics — Input Record — Card 470
♥ 756-375-144	1	No. 5 Crossbar — Central Office Equipment Report System — Position Practice — Prepare Recycle Control — Input Record — Card 500
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♥ 756-375-148	1	No. 5 Crossbar — Central Office Equipment Report System — Position Practice — Prepare Miscellaneous Traffic Measurement — Input Records — Cards 502-503
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♣ 756-545-010	3	System Description
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♣ 756-545-201	2	Dictionary of HECI (ECII) Data for Job Specifications
♣ 756-545-601	2	Instructor's Guide — Process I/O Media — Position 701
♣ 756-545-602	3	Instructor's Guide — Process Job Spec — Position 702
♣ 756-545-603	3	Instructor's Guide — Prepare Equipment Inventory Update Input Form — Position 703
♣ 756-545-604	2	Instructor's Guide — Process Errors and Printouts — Position 704
♣ 756-545-701	3	Process I/O Media — Position 701
♣ 756-545-702	4	Process Job Spec — Position 702
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♣ 756-547-010	2	System Description (Provisional)	756-548 ECP-1B		
♣ 756-547-202	3	Match Tape Dictionary	♣ 756-548-000	1	Overview
♣ 756-547-601	1	Instructor Guide — Identify Batches — Position 701	<hr/>		
♣ 756-547-602	2	Instructor's Guide — Order and Receive ORIs/Triple Os/Microfilms — Position 702	DIVISION 760 — BUILDING ENGINEERING		
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♣ 756-547-605	2	Instructor's Guide — Identify Jobs — Position 705	-1	Space Planning	
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♣ 756-547-608	1	Instructor's Guide — Process Input/Output Media — Position 708	-4	Electrical	
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♣ 756-547-701	3	Identify Batches — Position 701 (Provisional)	-9	Antenna Supporting Structures	
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♣ 756-547-704	2	Order and Receive Drawings — Position 704 (Provisional)	760-000-005	1	Alphabetical Index Division 760-770 — Building Engineering — Building Operation
♣ 756-547-705	2	Identify Jobs — Position 705 (Provisional)	760-1 SPACE PLANNING		
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♣ 756-547-707	3	Verify Input Data (Provisional)	760-100-010	2	Building and Equipment Space Planning
♣ 756-547-708	4	Process I/O Media — Position 708 (Provisional)	760-100-015	1	New Equipment-Building System (NEBS)
♣ 756-547-709	4	Correct Errors — Position 709 (Provisional)	760-100-016	1	Network Equipment Building System (INEBS) — In New Buildings
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			760-100-021	1	Land Survey Information
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			760-100-055	1	Space Planning for Medium-Sized Switching Offices (No. 2B ESS)
			760-100-070	2	Long-Haul — Radio Relay Station
			760-100-071	2	Small Radio-Relay Station
			760-100-080	1	Analog Carrier Terminal Planning
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760-100-085	1	Digital Carrier Terminal Offices	Add 760-220-151	1	
760-100-086	1	Terminal Office Planning Guidelines — FT3 and FT3C Lightwave Digital — Transmission Systems	760-220-151	2	Checking Routine Building Project Planning and Design
760-100-090	1	Building Planning for Distributing Frame Systems and Interconnecting Cabling	760-220-161	2	Hydrant-Type Vehicle Fueling System for Garages and Service Operations Centers — Equipment Design Requirements
760-120-150	1	Electronic Data Processing Center — Building Project Planning	760-220-162	1	Island-Type Vehicle Fueling System for Garages and Service Operations Centers— Equipment Design Requirements
760-120-160	1	Project Planning for Service Operations Centers and Garages	760-220-163	1	Underground Storage Tanks for Flammable Liquid Fuels — Design Requirements
Add 760-150-155	2		760-230-100	1	Equipment Cooling
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760-150-160	1	Planning for Solar Energy Systems	760-230-110	2	Air Filtration
760-160-100	2	Fire Protection Planning	760-230-120	2	Chilled-Water Distribution
760-2 DESIGN CRITERIA			760-230-130	1	Lighting in Equipment Buildings
760-200-010	1	Building Areas — Methods of Measurement	760-230-140	1	Alarm Systems
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760-200-021	1	Floor Design Load	760-240-150	3	Service Sink Rooms — General
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760-200-024	1	Nuclear Design Loads	760-240-153	5	Number of Fixtures Required in Toilet Rooms
760-200-030	2	Cable Entrance Facility (CEF)—Building Planning and Provision	Add 760-245-150	1	
760-200-031	1	CEF Conduit Entrances, Holes, and Risers	760-245-150	1	Vertical Transportation Engineering Guide
760-200-032	2	Cable Openings — Design Standards	760-250-150	4	Building Planning for Electronic Data Processing Systems
760-200-040	1	Floor and Ceiling Anchors	760-260-100	1	Building Energy Management and Redesign Retrofit (BEMARR) — Building Survey Guidelines
760-200-041	1	Equipment Support	760-280-100	1	Northern Telecom DMS* —10 Digital Switching System — Mechanical and Electrical System Design Recommendations
760-200-100	1	Structural Floors	760-3 CONSTRUCTION ELEMENTS		
760-200-110	4	Raised Floor Systems	760-310-100	1	Building Energy Management and Redesign Retrofit (BEMARR) — Building Envelope
760-200-150	1	Column Designation	760-330-150	5	Cable Openings
760-200-152	2	Column Spacing in Equipment Rooms	760-330-151	1	Core Method of Forming Main Frame Cable Holes
760-210-150	4	Ceiling Heights for Equipment Buildings	760-330-152	2	Cable Vaults, Cable Entrances, Detail of Vault Construction and Steel Work of Cable Racks
760-220-100	2	RFI Shielding	760-340-150	1	Noise Reduction
760-220-110	2	EMP Shielding	760-340-160	2	Flat Roof Grading
760-220-120	1	Lightning and Surge Protection			
760-220-150	1	Building Planning — General Considerations			

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760-350-150	4	Interior Finishes of Rooms	760-400-605	1	Building Energy Management and Redesign Retrofit (BEMARR) — Electric Motors
760-360-150	6	Stairway Design — Egress			
760-370-150	2	Window Cleaners' Safety Belt Anchors	760-5 MECHANICAL		
760-380-150	2	Air Navigation Obstruction Marking	760-510-150	2	Piping Identification
760-4 ELECTRICAL			760-510-151	2	Piping Exposed and Concealed
760-400-100	2	General Considerations for Planning, Designing, and the Construction of AC Power Distribution Systems in Telephone Equipment Buildings	760-520-150	3	Soap Dispensing Systems
760-400-105	1	Building Energy Management and Redesign Retrofit (BEMARR)—General Considerations for Electrical Systems	760-520-151	3	Plumbing Fixtures in Toilet Rooms and House Service Closets
760-400-110	1	Building Electrical System — Voltage	760-530-100	1	Heating Plants — General Description and Fundamentals
Add 760-400-175	1		760-530-101	1	Heating Plant — Glossary
760-400-175	3	Procedure for Determining Short Circuit Currents in AC Power Distribution Systems	760-530-102	1	Steam Boilers — General Description
760-400-180	1	Power Systems — Engineering and Operational Review — Building Engineering Checklist	760-530-104	1	Hot Water Boilers — General Description
760-400-200	1	Building Electrical Systems — Electrical Load Analysis for Telecommunications Buildings	760-530-105	1	Domestic Hot Water Heaters — General Description
760-400-215	1	Building Electrical Systems — Switching Arrangements for Standby Power	760-530-106	1	Warm Air Furnaces — General Description
760-400-220	1	Building Electrical Systems — Service Entrance and Electric Service Switchboards	760-530-108	1	Heating Plant Controls — Description and Installation
760-400-221	1	Building Electrical Systems — Electric Service Switchboard for 1/1A, 2B, and 5ESS† Switching Equipment Buildings	760-530-110	1	Flame Safeguard Controls — Description — Fuel-Burning Heating Plants
760-400-230	1	Building Electrical Systems for Data-Processing Buildings	760-530-112	1	Heating Plant Relief Devices — Description
760-400-300	1	Building Electrical Systems — Equipment and Devices — Selection and Application	760-530-114	1	Combustion Principles and Fuel Storage — Description
760-400-310	1	Building Electrical Systems — Transformers — Selection and Application	760-530-116	1	Heating Plants — Acceptance Testing
			760-530-118	1	Heating Plant Electrical Design — Description
			760-530-150	2	Relief Valves for Hot Water Storage Tanks
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			760-540-153	1	Low Water Cut-off Controls for Oil Burners
			760-550-102	4	Ventilation for Battery Area—Requirements
			760-550-151	5	Ventilation of Transformer Vaults, Heating Plants, Power Rooms, Internal Combustion Engine Rooms, and Gas Meter Compartments
			760-550-204	2	Definition of Heating, Ventilating, Air-Conditioning, and Refrigeration Terms
			760-550-205	1	Building Energy Management and Redesign Retrofit (BEMARR) Converting High-Velocity, Constant-Volume, Dual-Duct System Into Low-Velocity, Variable Air Volume System,

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Add 760-550-209	1	Building Energy Management and Redesign Retrofit (BEMARR) — Estimating Telephone Equipment Heat Release	760-550-271	1	SD-21 Expansion Tank — Closed — SD-22 Expansion Tank — Open
760-550-209	1		760-550-272	1	SD-23 Heating Coil Connections — Hot Water — SD-24 Heating Coil Connections — Steam
760-550-210	1	Building Energy Management and Redesign Retrofit (BEMARR) — Air and Water Economy Cycles	760-550-273	1	SD-25 Heating Coil Connections — Steam — SD-26 Heating Coil Connections — Steam
760-550-212	2	Engineering Guide for Ventilation and Air Conditioning — Refrigeration Systems	760-550-274	1	Pump Detail SD-27 — Pipe Sleeve Detail — SD-28
760-550-213	1	Building Energy Management and Redesign Retrofit (BEMARR) — Chiller Systems	760-550-275	1	SD-29 Riser Support — Exposed Areas — SD-30 Roof Exhaust Detail
760-550-214	1	Building Energy Management and Redesign Retrofit (BEMARR)—Internal Heat Source Heat Pump	760-550-276	1	SD-31 Steam Humidifier Connections — SD-32 Steam Separator Connections
760-550-218	1	KS-21344 Air Diffuser Performance — Data and Application Guidelines	760-550-277	1	SD-33 Steam Turbin and Condenser — SD-34 Symbols for Valves and Fittings
760-550-231	1	No. 1/1A Electronic Switching System Telephone Equipment Buildings — Mechanical System Design Guide	760-550-278	1	SD-35 Unit Heater Connections — Hot Water — SD-36 Unit Heater Connections — Steam
760-550-232	1	No. 2/2B Electronic Switching Systems — Telephone Equipment Buildings — Mechanical System Design Guide	760-550-279	1	SD-37 Water Chiller Connections — SD-38 Water to Water Heat Exchange
760-550-233	1	Conventional Equipment Cooling Systems — Serving No. 4 Electronic Switching System	760-550-300	2	Modular Cooling System — Planning and Engineering Guidelines
760-550-260	1	Engineering Guide for Ventilation and Air Conditioning — Standard Detail Drawings	760-555-150	2	Atmospheric Environment for Telephone Equipment Space — General Considerations and Heat Release Data
760-550-261	1	SD-1 Absorption Refrigeration System — SD-2 Air Compressor Instrument Air — Single Unit	760-555-151	4	Atmospheric Environment for Telephone Equipment Space
760-550-262	1	SD-3 Air Compressor Instrument Air — Duplex Unit — SD-4 Condensate Cooler Connections	□ 760-555-152	4	Specific Heat Release Data for 2-Wire No. 1 ESS <i>Replaced by Floor Plan Data Sheets</i>
760-550-263	1	SD-5 Condenser Connections — City Water or Well Water — SD-6 Converter Connections — Hot Water	□ 760-555-153	1	Specific Heat Release Data for Transmission Equipment <i>Replaced by Floor Plan Data Sheets</i>
760-550-264	1	SD-7 Cooling Coil Connections — SD-8 Cooling Coil Connections.	□ 760-555-154	1	Specific Heat Release Data for 4-Wire No. 2 ESS (Autovon) <i>Replaced by Floor Plan Data Sheets</i>
760-550-265	1	SD-9 Cooling Towel Connections — Single Cell SD-10 Cooling Tower Connections — Multi-Cell	□ 760-555-155	1	Specific Heat Release Data for Radio Equipment <i>Replaced by Floor Plan Data Sheets</i>
760-550-266	1	SD-11 Duct Connections — Branch Duct Work SD-12 Duct Connections — Branch Duct Work	□ 760-555-156	1	Specific Heat Release Data for Telegraph Equipment <i>Replaced by Floor Plan Data Sheets</i>
760-550-267	1	SD-13 Duct Support and Rod Penetration Through Duct — SD-14 Duct Symbols	□ 760-555-157	1	Specific Heat Release Data for TSPS No. 1 <i>Replaced by Floor Plan Data Sheets</i>
760-550-268	1	SD-15 Duct Work Hangers and Supports — SD-16 Duct Work Joints	□ 760-555-158	2	Specific Heat Release Data for 4A and 4M Toll Crossbar ETS Equipment <i>Replaced by Floor Plan Data Sheets</i>
760-550-269	1	SD-17 Drain Pan — Concrete — SD-18 Drain Pan — Metal			

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760-560-150	2	Guarding Moving Parts of Machines	760-640-200	2	Distribution of Portable Fire Extinguishers
760-570-100	1	Building Energy Management and Redesign Retrofit (BEMARR) — Heating	760-640-300	2	General Considerations for Suppression Systems
760-570-400	1	Building Energy Management and Redesign Retrofit (BEMARR) — Pumps and Pumping Systems	760-640-310	2	Standpipe and Hose Systems
760-570-500	1	Building Energy Management and Redesign Retrofit (BEMARR) — Heat Recovery	760-640-320	2	Considerations for Pumps for Fire Service
760-6 FIRE PROTECTION — FIRESAFETY			760-640-400	1	Design Considerations for Halon 1301 Total Flooding Systems
760-600-100	2	Use of Practices	760-650-100	2	Fire Detection Systems
760-600-110	1	Glossary	760-660-100	1	Engineering Provisions for the Firesafety Plan
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760-600-240	1	Application Criteria for Garages and Other Work Centers	760-8 PROCEDURES		
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760-600-300	1	Application Guide for Leased Facilities	760-850-010	1	Radio Frequency Interference (RFI) — Shielding Test Procedure
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760-610-200	2	Considerations for Interior Finishes and Furnishings	Add 760-925-100	1	
760-610-300	1	Considerations for Cafeterias/Kitchens	760-925-100	1	Antenna Supporting Structures for VHF Point-to-Point and Mobile Service Applications
760-610-400	2	Considerations for Standby Engines	760-925-102	1	Land Requirements for Guyed Towers Under Adverse Terrain Conditions
760-610-500	1	M & M Protection Consultants — Consulting and Inspection Service	760-925-110	3	EIA Structural Standards for Steel Towers Supporting Antennas
760-620-100	2	Fire Protection During Construction	760-925-130	2	Tower Foundations and Anchors — General
760-620-200	1	Considerations During Central Office Equipment Installation and Removal	760-925-135	1	Grounding Microwave Towers
760-630-100	1	Protection Against Exposure Fires	Add 760-925-140	1	
760-630-200	1	Fire Resistance Ratings of Structural Elements	760-925-140	1	D Support Structure — Description and Construction
760-630-300	2	Egress/Access Requirements	760-925-150	1	AT-8562 Waveguide Support
760-630-400	2	Compartmentation	Add 760-925-200	1	
760-630-410	2	General Firestopping Considerations for Floor and Wall Penetrations and Protection of Cable Runs	760-925-200	2	Description of B Guyed Tower
760-630-420	1	Modular, Cast-In-Place, Firestop for Distributing Frame Openings	Add 760-925-210	1	
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			760-925-220	2	B Guyed Towers — Erection
			760-925-230	1	Obstruction Lighting, Antenna Heater Supply Circuits, and Provision of Local Talking Circuit for System Standard Guyed and Self-Supporting Towers
			760-925-250	1	Description of B Self-Supporting Tower
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760-925-270	2	B Self-Supporting Towers — Erection
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760-925-300	2	Maintenance of Antenna Supporting Structures
760-925-310	1	Description of E Guyed Towers
Add 760-925-320	1	
760-925-320	1	E Guyed Towers — Foundations and Anchors
760-925-330	1	E Guyed Towers — Erection
Add 760-925-340	1	
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760-925-350	2	E Self-Supporting Towers — Foundations
760-925-360	1	E Self-Supporting Towers — Erection
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760-925-460	1	C Self-Supporting Towers — Foundations
760-925-470	1	C Self-Supporting Towers — Erection
760-925-500	2	Description of D Guyed Tower
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760-925-510	1	D Guyed Towers — Foundations and Anchors
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DIVISION 770 — BUILDING OPERATION

- 770-0 Indexes and Equipment Test Lists
 - 1 Building Service
 - 2 Building Maintenance
 - 3 Building Fire Protection — Firesafety

770-0 INDEXES AND EQUIPMENT TEST LISTS

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788-102-101	1	Recommended Document List
♥ 788-102-102	1	Principles

Section Number	Issue	Subject
♥ 788-102-103	1	Force Requirements and Programs
♥ 788-102-104	1	Traffic Data Collection Schedules
♥ 788-102-105	1	Listed Directory Number — Traffic Data Collection
♥ 788-102-106	1	Customer Premises Registers — Assignments and Data Collection
♥ 788-102-107	1	Traffic Usage Data Collection
♥ 788-102-108	1	Data Validation
♥ 788-102-109	1	Assignments and Balancing
♥ 788-102-110	1	Data Interpretation
♥ 788-102-111	1	Network Completion

788-103 Electronic Tandem Network System Operations

788-103-100	1	Recommended Document List — Business Services Design Engineering
788-103-110	1	General Information — Introduction — Business Services Traffic Engineering
788-103-120	1	Glossary, Acronyms, and Abbreviations — Business Services Design Engineering
788-103-130	1	Planning Design Objectives — Business Services Design Engineering
788-103-135	1	Pre-Sales — Point-to-Point — Traffic Data Collection — Business Services Design Engineering
788-103-150	1	Design Methodology — Business Services Design Engineering — Electronic Tandem Network
788-103-160	1	Mixed Network Considerations — Business Services Design Engineering
788-103-200	1	General Description — Design Engineering — Manual Method — Business Services Design Engineering
788-103-235	1	Tandem Switch Selection — Manual Method Business Services Design Engineering
788-103-405	1	DIMENSION® Feature Package 8 — Routing Guide Forms — Business Services Traffic Engineering
788-103-410	2	DIMENSION® PBX Feature Package 8 — Routing Guide — Business Services Design Engineering
788-103-420	1	No. 1/1A Electronic Switching Systems — Centrex/Essx-1 — Routing Guide — Business Services Design Engineering

Section Number	Issue	Subject	Section Number	Issue	Subject
DIVISION 790 — ENGINEERING ADMINISTRATIVE PRACTICES			790-100-667	1	Determining Wire Sizes in AC Power Conductors Based on Voltage Drop Requirements
790-0 Indexes and General Information			790-110 Customer Switching Systems		
790-1 Administrative Practices			790-110-001	1	Business Premises Switching Systems — Administrative Analysis
-100 Central Office Equipment Engineering and Power Engineering			790-110-100	1	General Plan and Purpose
-110 Customer Switching Systems			790-110-110	1	Index of Customer Switching Equipment
-111 Early Maintenance Information System			790-110-200	1	Equipment Request
-115 Customer Premises Record System			790-110-210	1	Floor Plan Procedures
-120 Central Office Equipment Maintenance Engineering			790-110-220	2	Estimate, Routine, and Keep Cost Orders — Preparation and Approvals
-140 Circuit Provision Engineering			790-110-230	1	Customer Switching Engineer — Time Sheet Preparations
790-2 PICS/DCPR Engineering Practices			790-110-240	1	Engineering Administration System (EAS)
-200 Operating Procedures			790-110-300	1	Telephone Equipment Orders — General
-201 Inventory Management Practices			790-110-310	1	Telephone Company Engineered Orders
-205 Reuse Inventory Management System			790-110-330	1	Purchase and Sale of Material
-300 Network Plug-In Administrative Methods			790-110-400	2	Business Premises Switching Systems — Scheduling and Coordination
790-0 INDEXES AND GENERAL INFORMATION			790-110-410	1	Administration of Job Records
• ♦ 790-000-000	81	Numerical Index — Division 790 — Engineering Administrative Practices	790-110-420	1	Contract Analysis
790-1 ADMINISTRATIVE PRACTICES			790-110-430	1	Job Information Memorandum (JIM) Analysis
790-100-100) Central Office Equipment Engineering			790-110-500	1	Preinstallation Requirements for Material, Storage, Installation, and Work Space
790-100-649)			790-110-510	1	Material Management
790-100-640	2	Long Lines Department/Operating Telephone Company — Administrative Interface Procedures	790-110-520	1	Removals, Retirements, and Reuse
790-100-650) Power Engineering			790-110-530	1	Transfers of Material and/or Labor
790-100-671)			790-110-540	1	Returned Material Notice (RMNI)
790-100-650	1	Central Office Equipment — Power Engineering — Administrative Procedures	790-110-550	1	Returned Goods Memorandum (RGM)
790-100-651	3	Introduction	790-110-570	1	Installer's Requisitions
790-100-652	1	Planning	790-110-580	1	Transfer From Under Construction to Telephone Plant in Service
790-100-653	1	Economic Analysis	790-110-600	1	Engineering Complaint Procedures
790-100-654	1	DC Power Plants	790-110-620	1	Job Completion and Acceptance
790-100-655	2	Batteries	790-110-630	1	Billing and Claim Review
790-100-656	1	DC Distribution	790-110-640	2	Specific Estimate Closure
790-100-659	1	Stand-by AC Plants	790-110-650	1	Accounting Terminology and Considerations
790-100-660	1	AC Power for Telecommunications Equipment (Section 8)	790-110-700	~4	Marketing, Engineering, and Business Services — General Description
790-100-661	1	Power Alarms (Section 9)			
790-100-662	1	Layout			
790-100-663	2	Power Equipment Acceptance (Section 11)			
790-100-664	1	In-Service Responsibilities			
790-100-665	1	Section 13—Glossary			
790-100-666	1	Permuted Index (Section 14)			

Section Number	Issue	Subject	Section Number	Issue	Subject
790-110-711	4	DIMENSION® PBX Traffic Module — Marketing, Engineering, and Business Services	790-110-751	2	COM KEY® System 2152 Calculator Module — Marketing, Engineering, and Business Services
790-110-720	2	DIMENSION® PBX Data Check Module Marketing, Engineering, and Business Services	790-110-752	2	COM KEY® System 2152 Tariff Module — Marketing, Engineering, and Business Services
790-110-721	3	DIMENSION® PBX Engineering Administration and Simplified Equipment Module — Marketing, Engineering, and Business Services	790-110-800	1	Inspection and Survey of In-Service Systems
790-110-723	1	Customer Switching Systems/Marketing, Engineering, and Business Services — DIMENSION® PBX Application Customer Switching Engineering — Ordering Module Input/Output Processing	790-110-820	2	Controlled Estimate Analysis
790-110-730	5	DIMENSION® PBX Tariff Module — Marketing, Engineering, and Business Services — Customer Switching Systems	790-111 Customer Switching Systems — Early Maintenance Information System (EMIS)		
790-110-731	6	DIMENSION® PBX Price Quote Module — Marketing, Engineering, and Business Services — Customer Switching System	790-111-200	2	Data Retrieval User's Guide
790-110-732	4	DIMENSION® PBX Rate Module — Marketing, Engineering, and Business Services — Customer Switching Systems	790-115 Customer Premises Record Systems		
790-110-735	1	Customer Switching System/Marketing, Engineering, and Business Services — DIMENSION® PBX Application — Traffic Engineering for Automatic Route Selection (TEARS)/Queueing Engineering Module — Input/Output Processing	790-115-100	1	General Description
790-110-736	2	Automatic Call Distributor/Electronic Switching System — Tariff Module — Marketing, Engineering, and Business Services — Customer Switching Systems	790-115-101	2	On-Line Operating Procedures
790-110-737	1	Customer Switching Systems/Marketing, Engineering, and Business Services — Automatic Call Distributor/Electronic Switching System — Marketing — Quote Module — Data Input/Output Processing	790-115-102	1	Inventory Management Reports
790-110-738	3	HORIZON® Communication System — Tariff Module — Marketing, Engineering, and Business Services	790-115-103	1	Manual Procedure
790-110-739	3	HORIZON® Communication System — Quote Module — Marketing, Engineering, and Business Services	790-120 Central Office Equipment Maintenance Engineering		
			790-140 Circuit Provision Engineering		
			790-2 PICS/DCPR ENGINEERING PRACTICES		
			790-200-200) Operating Procedures — IMS 790-200-299)		
			790-201 Inventory Management Practices		
			Inventory Management Manual		
			790-205 Reuse Inventory Management System (RIMS)		
			790-300 Network Plug-In Administrative Methods		

DIVISION 800 — CROSS-REFERENCE LISTS, ADMINISTRATIVE INFORMATION, — GENERAL EQUIPMENT REQUIREMENTS FOR INSTALLATION AND MANUFACTURING, — AND GENERAL PERFORMANCE REQUIREMENTS

- 800-0 Indexes and Cross-Reference Lists
 - 1 Administrative Information
 - 6 General Equipment Requirements for Installation and Manufacturing

800-0 INDEXES AND CROSS-REFERENCE LISTS

Section Number	Issue	Subject
● ♠ 800-000-000	11	Numerical Index — Division 800 — Cross-Reference Lists, Administrative Information, General Equipment Requirements for Installation and Manufacturing, and General Performance Requirements
800-020-001	32	J, NJ, IS, and X Specifications to AT&T Practice Numbers — Cross-Reference List — Divisions 800 to 839
800-020-020	20	AA Series to Nine-Digit BSP Numbers
800-020-021	52	Checking List — Floor Plan Data (FPD) Sheets
Add 800-020-022	4	
800-020-022	3	Permuted Title Index — Floor Plan Data (FPD) Sheets
800-020-023	1	Floor Plan Data (FPD) Sheets — Description, Characteristics, and Use

800-1 ADMINISTRATIVE INFORMATION

800-101-100	1	Metropolitan Facility Junction Planning
800-102-100	2	Automatic Transmission Measuring System and Associated Testing Arrangements — Centralized Tape and Card Administration

800-6 GENERAL EQUIPMENT REQUIREMENTS FOR INSTALLATION AND MANUFACTURING

800-600-000	2	Checking List — Division 800 — Layer 6 — General Equipment Requirements
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General

800-610-150	11	Moistureproofing of Central Office Equipment
800-610-151	4	Preparation and Mounting of Apparatus Designation Charts, Circuit Labels, Terminal Assignment Lists, etc.
800-610-152	9	Gauge and Insulation of Wire
Add 800-610-153	1	
800-610-153	7	Cabling Diagrams for Schematic Circuit Drawings
800-610-154	10	Mounting and Aligning Apparatus
Add 800-610-155	1	
800-610-155	10	Earthquake and Disaster Bracing for Central Office Equipment

Section Number

Issue

Subject

800-610-156	1	Relay Rack Equipment — Numbering Plans for the Various Central Office Systems
800-610-157	3	Hardening of Central Office and Main Station — Communication Equipment Installed in 50-PSI Buildings
800-610-158	2	Packaged Electronic Products — Wiring, Cabling, Numbering and Lettering
800-610-159	7	Printed Wiring Products and Assemblies
800-610-160	2	Hardening of Intermediate or Auxiliary Station — Communication Equipment
800-610-161	1	Amplas Assemblies
Add 800-610-162	1	
800-610-162	1	Printed Wiring Products — Resin-Coated Metal Type
Add 800-610-163	1	
800-610-163	1	Hardening of Central Office and Main Station — Communication Equipment Installed in 10-PSI Buildings
800-610-164	3	New Equipment-Building System (NEBS)
800-610-165	3	Circuit Voltage Limits
800-610-166	1	No. 4 ESS — Central Office Frame Location Numbering Plan — Switching Systems

Woodwork and Metalwork

800-611-150	3	Woodwork and Associated Materials
Add 800-611-151	1	
800-611-151	3	Metal Work
800-611-152	3	Asbestos Composition Panels
Add 800-611-153	1	
800-611-153	10	Finishes for Equipment Purposes

Wiring and Cabling

Add 800-612-150	1	
800-612-150	2	Specific Requirements for Wiring and Cabling — Electronic Type Equipment
800-612-151	6	Design of Cable Forms
800-612-152	5	Stripping and Butting Cables
● Add 800-612-153	1	
800-612-153	10	Forming, Fanning, Sewing, and Skinning
Add 800-612-154	2	
800-612-154	11	Connecting and Soldering Individual Conductors
● Add 800-612-156	1	
800-612-156	9	Placing, Securing, and Supporting Cable Forms Including Unequipped Forms
800-612-157	9	Protection of Cable Forms and Skinners and Repair of Insulation

Section Number	Issue	Subject
800-612-158	7	Splicing Switchboard and Lead-Covered Cables, Local Cables, and Individual Conductors
800-612-159	8	Strapping and Cross Connections
800-612-160	7	Dressing of Skinners
● Add 800-612-161	2	
800-612-161	9	Color Combinations and Uses
800-612-162	11	Selection of Standard Copper and Lightguide Central Office Cables
Add 800-612-163	1	
800-612-163	8	Specific Requirements for Wiring and Cabling — Crossbar-Type Equipment
800-612-164	8	Forming, Grounding, Splicing, and Terminating Shielded Wiring and Coaxial and Twin-Conductor Shielded Office Cable
800-612-165	1	Specific Requirements for Dressing of Skinners — Power Plant Apparatus

Numbering and Lettering

● 800-613-150	11	Common Requirements
800-613-151	6	Specific Requirements for Apparatus and Equipment — A to E (Apparatus Coded Panels to Equalizers)
800-613-152	8	Specific Requirements for Apparatus and Equipment — F to I (Filters to Interrupters, except Frame and Racks)
800-613-153	5	Specific Requirements for Apparatus and Equipment — J to Q (Jack to Protectors)
800-613-154	8	Specific Requirements for Apparatus and Equipment — R (Relays to Resistors)
800-613-155	8	Specific Requirements for Apparatus and Equipment S Through Z — (Selectors to Varistors)
800-613-156	2	Specific Requirements for Toll Transmission Equipment Mounted on Duct-Type Frames
800-613-157	3	Specific Requirements for Apparatus and Equipment — Frames and Racks
800-613-158	3	Specific Requirements for Apparatus and Equipment — Distributing and Protector Frames
800-613-159	4	Specific Requirements for Equipment Code Numbers, SD Drawing Numbers, and Single or Multiple Sets of Circuit Apparatus for Equipment Mounted on other than Duct-Type Framework
800-613-160	3	Specific Requirements — Power Apparatus and Equipment
Add 800-613-161	1	
800-613-161	1	Specific Requirements for Apparatus and Equipment — Electronic Type

Section Number	Issue	Subject
Installation		
800-614-150	4	General Installation Requirements
800-614-151	6	Emergency Alarm Systems Including Automatic Fire-Detection Feature
800-614-152	8	Switchboard, Power, and Local Power Cables
800-614-153	5	Sheathing for Cable Openings
● Add 800-614-154	1	
800-614-154	9	Location, Erection, and Assembly of Equipment
● Add 800-614-155	3	
800-614-155	9	Auxiliary Framing—Low-Type
Add 800-614-156	1	
800-614-156	5	Auxiliary Framing (High Type) and Frame Supports Installing
800-614-157	11	Cable Racks
800-614-158	8	Cable Clips
800-614-159	11	Rolling Ladders
800-614-160	3	Switchboards and Desks
Add 800-614-161	1	
800-614-161	5	Frames, Racks, Fuse Boys, and Fuse Panels
800-614-162	4	Pneumatic Ticket Distributing System
800-614-163	1	Capacitance Unbalance Reduction in Toll Office — Textile Covered Quadded Switchboard Cable
800-614-164	3	Switchboard Multiple Cabling

Performance

800-630-180	3	Performance Requirements — General
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Inspection — Central Office Equipment

800-651-180	1	(IS201.002) — Detailed Inspection Procedures
800-651-181	5	(IS201.010) — Inspection Requirements — Relays A and AB Types
800-668-000	21	(IS218.001) — Common Systems Index
800-668-153	4	(IS218.005) — Solderless Wrapping Bits and Product Connections — Detailed Information
800-668-180	4	(IS218.002) — Local Systems of Large Rated Capacity — Toll and Telegraph Systems
800-668-181	4	(IS206.002) — Detailed Inspection Procedure Toll and Telegraph Systems
800-668-182	4	(IS218.003) — Connecting and Soldering — Detailed Information
800-668-184	4	(IS218.010) — Relays — 111 (Part of 163), 121, 122, 125, 149, 162, 178, and 179 Typets) (Round Type)

Section Number	Issue	Subject
800-668-185	4	(IS218.011) — Relays — 114, 124, 126, 174, and 198 Typets)
800-668-186	7	(IS218.012) — Relays — 280 Type
800-668-187	5	(IS218.013) — Relays — 263 and 264 Typets)
800-668-188	4	(IS218.014) — Relays — 208 and 214 Typets) (Counting Relays)
800-668-189	2	(IS218.015) — Relays — 235 Type
800-668-190	6	(IS218.017) — Relays — 221, 222, 223, 224, 225, 247, 248, 251, and 252 Typets) (Step-by-Step Typets)
800-668-191	3	(IS218.018) — Relays — 266 Type
800-668-192	1	(IS218.020) — Relays — AK Typets)
800-668-193	5	(IS218.021) — Relays — B and G Typets)
800-668-194	9	(IS218.022) — Relays — E, EA, F, H, R, and T Typets)
800-668-195	7	(IS218.023) — Relays — J Type
800-668-196	5	(IS218.024) — Relays — L, N, and S Typets)
800-668-197	7	(IS218.025) — Relays — U and UA Typets)
800-668-198	4	(IS218.026) — Relays — Y Type
800-668-199	4	(IS218.027) — Relays — UB Type
800-669-180	1	(IS218.028) — Relays — AF, AG, and AJ Typets)
800-669-181	1	(IS218.029) — Relays — 286, 287, and 288 Typets)
800-669-182	6	(IS218.030) — Selectors — 200, 206, 209, and 211 Types — Banks — 16, 26 and 32 Types
800-669-183	3	(IS218.031) — Keys
800-669-184	1	(IS218.032) — Selectors — 204 Type (Minor Switch)
800-669-185	7	(IS218.033) — Switches — 324, 325, and 328 (Crossbar) Types
800-669-186	4	(IS218.034) — Switches — 197 and 198 (Step-by-Step) Types

DIVISION 801 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — COMMON SYSTEMS

- 801-0 Index, Distributing Frames, Racks, Ladders, Casings, Cabinets, Fuse Bays, and Miscellaneous Frames and Equipment
- 1 Minicomputer Equipment
 - 2 Test Equipment
 - 4 Line Balancing and Delay Equalizing, Repeating Coils, VF Repeaters, VF Maintenance, Radio and Carrier

Section Number	Issue	Subject
	-5	Digital Transmission Facilities
	-6	Alarm, Announcement, Selective Signaling, Warning, Alerting, Air Ground Communication, Code Calling, Reporting, Signaling Systems and Signaling Equipment
	-7	PICTUREPHONE® Equipment
	-8	Electronic Switching Type Equipment
	-9	Miscellaneous

801-0 INDEX, DISTRIBUTING FRAMES, RACKS, LADDERS, CASINGS, CABINETS, FUSE BAYS, AND MISCELLANEOUS FRAMES AND EQUIPMENT

- ♦ 801-000-000 26 Numerical Index — Division 801 — Equipment Design and General Equipment Requirements and Engineering Information — Common Systems

Distributing Frames

801-001-100	1	Bar Code Standards
801-005-150	4	(J97029) — Single Sided — 11' 6" High — 10" Guard Rail Width — Verticals on 8" Centers
801-005-151	2	(J97030) — Single Sided — Arranged for Protectors and Associated Radio Frequency Line Filters — 7'-0" and 9'-0" High
801-005-152	1	(J97031) — Main Distributing Frames — Protector Frames
801-005-153	1	(J97032) — Intermediate Distributing Frames — Trunk Distributing Frames
801-005-164	2	(J90610) — COSMIC* II Frame System

Racks

801-006-150	5	(J90603) — Cable Racks
801-006-151	5	(J90801) — Cable Hole Sheathing
801-006-153	3	(J93001) — Relay Rack — Unit Framework and Wiring
801-006-154	5	(J97014) — Relay Racks — Channel Type — Framework
Add 801-006-155	1	
801-006-155	4	(J97025) — Relay Rack — Angle Type Framework and Cabling
Add 801-006-156	1	
801-006-156	5	(J97021) — Message Register Rack — Unit Type
801-006-157	7	(J92603) — Traffic Register Equipment
Add 801-006-158	1	
801-006-158	3	(J90606) — Cableway Systems for Electronic Offices Using 7-Foot Frameworks — Equipment Design Requirements — Common Systems
801-006-161	2	Telephone Equipment Frame Cooling — Use of KS-21344 Air Diffuser
801-006-162	1	(J99392) — Routing Selected Transmission Control (RSTC) — Loop Around and Gain Trunk Circuits

Section Number	Issue	Subject
Ladders		
801-007-150	5	(J90604) — Ladders, Benches, and Stools — Application Practices
<i>*Trademark of AT&T Technologies</i>		
801-007-151	3	(J90605) — Rolling Ladders — Track Type
Cabinets		
801-009-150	3	(J99204) — Alarm Circuit — Central Office, PBX, or Auxiliary Telephone Repeater Station
801-009-151	4	(J99219) — Steel Equipment Cabinets Housing Miscellaneous Equipments
801-009-152	3	(J99354) — Facilities Serving Power Industry — Terminating Unit — Central Office and Power Stations
801-009-153	2	(J99355) — Facilities Serving Power Industry — Remote Drainage Unit
801-009-154	2	(J99356) — Facilities Serving Power Industry — High Voltage Interface Unit
Fuse Bays		
Add 801-010-150	1	
801-010-150	3	(J97033) — Angle Relay Rack Type
Add 801-010-151	1	
801-010-151	4	(J97037) — Bulb Angle Type Relay Rack — Arranged for 70-Type Fuses
Miscellaneous Frames		
801-015-150	3	(J97035) — Cable Duct-Type Bay Framework and Associated Parts
801-015-151	2	(J97038) — Cable Duct-Type Bay Framework With Unequal Flange Uprights and Associated Parts
801-015-152	1	(J97039) — Universal Framework (UNIFRAME) and Associated Parts
Miscellaneous Equipment		
801-025-150	9	(J99234) — Long Line Equipment for Subscriber Lines to a Central Office
Add 801-025-153	1	
801-025-153	1	(J99242) — Miscellaneous Central Office Equipment Covered by Equipment Drawing Codes
Add 801-025-154	1	
801-025-154	1	(J99243) — 4-Wire Bridging Arrangement Using 2-Way Speech Multipoint System — Central Amplifier Circuit
Add 801-025-155	1	
801-025-155	1	(J99241) — 2-Wire Bridging Equipment Multistation Private Lines — 20-Cycle Signaling
801-025-156	2	(J99240) — Emergency Transfer Facilities to Provide Alternate Routes for Vital Circuits

Section Number	Issue	Subject
801-025-157	1	(J99228) — Trunking Facilities for Interconnecting Community Dial Offices With Operator Offices
801-025-158	4	(J93007) — Trunks Interconnecting — Operator Offices With Community Dial Offices
801-025-159	2	(J99265) — Loop Signal Converter and Long Line Equipment for Use With 154A1 Automatic Data Set Operation
801-025-160	2	(J99294) — Transistorized Conference Amplifiers and Equipment for Four or Six Simultaneous Connections
801-025-162	6	(J98610) — Program Transmission — Equipment for Central Office Distributing System
Add 801-025-163	1	
801-025-163	13	(J93016) — Relay Rack Mounted Equipment for Traffic, Maintenance Desks, and Frames
801-025-164	3	(J93012) — Relay Rack Mounted Equipment for Local Manual or Combined Local Manual and Toll Offices Interconnected by Intertoll Dialing Arrangements or by Toll Switching System No. 4
801-025-165	10	(J99206) — Equipment Units — Relay Rack Mounted
801-025-166	11	(J99235) — Equipment Units — Relay Rack Mounted
801-025-167	5	(J99236) — Relay Rack Mounted Equipment — Located in Central Office or in Either a PBX or Central Office Associated With PBXs
801-025-168	6	(J99226) — Battery Filters — Equipment and Wiring
801-025-169	3	(J99278) — Decentralized Filter Unit
801-025-170	1	(J99290) — Automatic Detection of Operated Gas Pressure Contactors or Transducer Pressure Indications in Pressurized Exchange Cable
801-025-171	1	(J93023) — Event Counter Unit
801-025-172	1	(J99283) — No. 1A Line Concentrator — Battery Charging Unit
801-025-173	2	(J99279) — Modifications of No. 1A Line Concentrator Systems
Add 801-025-174	1	
801-025-174	4	(J99259) — No. 1A Line Concentrator — Remote Units
Add 801-025-175	1	
801-025-175	4	(J99258) — No. 1A Line Concentrator — Control Frames and Units
♥ 801-025-176	2	(J99305) — Line Concentrator No. 2B — Control Frame
♥ 801-025-177	2	(J99306) — Line Concentrator No. 2B — Remote Frame

Section Number	Issue	Subject	Section Number	Issue	Subject
801-025-178	2	(J99295) — Line Concentrator No. 2A — Remote Frame	801-1 MINICOMPUTER EQUIPMENT		
♥ 801-025-180	1	Performance Requirements — Line Concentrator No. 2B	801-100-151	3	(J99366) — Unified Bus Converter Unit — 16 Row by 16 Bit Scanner Matrix Unit — 4 Row by 16 Bit Signal — Distributor Matrix Unit
801-026-151	2	(J99227) — 10 IPM Interrupter and Impulse Clock Supply	Add 801-100-152	1	
801-026-152	3	(J99327) — J99327A Tone Generator (400A)	801-100-152	2	(J99379) — Programmable Scanner/Distributor (PSDI)
801-026-153	2	(J99328) — J99328A Timer (5A)	801-100-153	2	(J1C124) — Magnetic Tapes — UNIX Operating System
801-026-154	3	(J99329) — J99329A Control Unit (60A)	801-2 TEST EQUIPMENT		
Add 801-026-155	1		Test Frames, Test Sets		
801-026-155	2	(J99340) — General Purpose 4-Wire — Order Circuit Equipment	801-205-150	1	(J93027) — Remote Office Test Line Control Panel for Use With Electromechanical Remote Office Test Line Systems
♥ 801-026-156	1	(J99342) — Preemption Tone Detector for AUTOVON	801-205-151	7	(J93006) — Relay Rack Mounted Test Equipment
801-026-157	1	(J99344) — Interconnecting Units — Master Specification	Add 801-205-152	1	
801-026-158	1	(J98623) — Message Repeater Terminal Equipment for Long Subscriber Loops	801-205-152	5	(J93017) — Relay Rack-Mounted Test Equipment
801-026-159	4	(J99334) — Plug-In Long Line Units for Customer Lines to a Central Office or PBX and for Trunks Between a PBX and a Central Office	801-205-154	2	(J93025) — Coin Station Test Line Calibration Set
801-026-160	3	(NJ02517) — Signaling Range Extender for Coin Lines	801-205-155	4	(J94711) — Patching Cord Test Set — Box Type — Wall Mounted
801-026-161	5	(J49803) — Testing Equipment (AMA) — Perforator and Reader Test Unit	801-205-157	4	(J94713) — Relay Timing Test Set for Testing Relays for Time Adjustments (Box Type)
801-026-162	2	(J49806) — Reader Cabinet — Paper Tape Reader Equipment — Electronic Data Processing — Automatic Message Accounting Centers	801-205-158	5	(J94714) — 35F Test Set (Box Type) for Adjusting Relays and Other Electromagnetic Apparatus
801-026-164	2	(J99365) — No. 1 Trunk Concentrator and Outgoing Trunk — Frames	801-205-159	5	(J94715) — Call Thru Test Set (Box Type) and Associated Connecting Facilities for Originating and Receiving Calls Over Subscriber Line Circuits
801-026-165	3	(J99375) — Incoming Trunk Frames and Units — No. 1 Trunk Concentrator — Equipment Design Requirements — Common Systems	801-205-160	1	(J94720) — Jack Test Set (Box Type)
Add 801-026-166	1		801-205-161	3	(J94723) — Pulse Checking Test Set — (Box Type)
801-026-166	2	(J99376) — Outgoing Trunk Units and Outgoing Trunk Transmission Units — No. 1 Trunk Concentrator	801-205-162	3	(J94724) — Contact Closure Test Set (Box Type)
801-026-168	1	(J93026) — Transmission Test Termination Units — Crossbar, Manual, Panel, Step-by-Step, PBX, or Toll Office	801-205-163	5	(J94725) — Test Set for Mercury Contact Relays
801-026-171	5	(J99380) — Customer Premises Facility Terminal	801-205-164	1	(J94726) — Interrupter Set — 30 Pulses Per Second
Add 801-026-173	1		801-205-165	3	(J94727) — 1A Signaling Test Set
801-026-173	1	(J99391) — Message Printer Unit	801-205-166	2	(J94728) — Trunk Test Set For Test of Intercepting Trunks to Information Desks Nos. 3, 4, and 6
801-026-180	1	Performance Requirements — No. 1 Trunk Concentrator	801-205-167	5	(J94729) — Trunk Test Equipment for Test of Incoming Automatic Information or Intercepting Trunks

Section Number	Issue	Subject	Section Number	Issue	Subject
801-205-168	1	(J94730) — 1A Fault Locator Test Set	801-223-150	5	(J94907) — No. 20 Key Cabinet
801-205-169	1	(J94731) — Cold Cathode Tube Test Set	801-223-151	3	(J94909) — No. 21 Key Cabinet
801-205-170	3	(J94732) — 3A Pulse-Generating Test Set, Electronic Type, and 3A Digit Control	801-224-150	3	(J63523) — No. 2A Toll Test Unit — Mobile Wheatstone Bridge — Voltmeter and Telephone Unit
801-205-171	1	(J94735) — Magnetic Latching Relay — Timing Test Set	801-224-151	2	(J63528) — No. 5A Toll Test Unit
Add 801-205-172	1		801-224-152	1	(J94745) — Multifrequency Signaling Test Unit
801-205-172	2	(J94738) — Remote Testing Test Set	801-224-153	1	(J94746) — Multichannel Tone Test Unit
801-205-173	2	(J94743) — 4A Signaling Test Set for Maintenance and Testing in Loop, Single Frequency, E&M Lead and DX Signaling Systems	801-224-154	1	(J94748) — 24 Channel PCM Bank Type D1 — Encoder Bias Digital Test Set
801-205-174	1	(J94742) — Portable Auxiliary Trunk Test Set for Use in Testing Trunks to No. 5 Crossbar ACD	801-225-150	2	(J63509) — Talking and Signaling Set Equipment for Testboards
801-205-175	2	(J64714) — D-C, MF, and MF and D-C, Key Pulsing Control Set	801-225-151	7	(J63513) — Miscellaneous Panels and Units for Use With Testboards (also numbered 807-409-150)
801-205-176	2	(J64722) — Pulse Repeating Test Set (Box Type)	801-225-152	9	(J63517) — Miscellaneous Panels and Units for Use With Testboards
801-205-177	1	(J99233) — Telephone and Test Equipment for Testing 2- and 4-Wire Private Lines	801-225-153	6	(J63516) — No. 17B Testboard
801-205-178	2	(J99297) — Touch-Tone Station Test Receiver — Signaling	801-225-154	3	(J63519) — 17C Testboard
801-206-150	1	(J99348) — Speed Test Circuit for Touch-Tone Automatic Dialers	♥ 801-225-155	2	(J63529) — No. 17D Testboard
Add 801-206-152	1		801-225-156	1	(J63531) — No. 17E Testboard
801-206-152	1	(J94736) — No. 1A Pulsing Analyzer — Portable Type	801-225-158	2	(J63527) — No. 19A Testboard
801-206-153	1	(J94747) — No. 1 Trunk Concentrator — Portable Trunk Test Set	Add 801-225-160	1	
			♥ 801-225-160	3	(J63532) — No. 21A Testboard
			801-225-161	1	(J99267) — Remote Telegraph Testboard — Switch Frame
Test Cabinets, Test Desks, Desks, Key Cabinets Testboards, Test Units			801-225-163	2	(J63524) — Circuit Patching Bay
801-220-150	2	(J94717) — Local Test Cabinet No. 2 — (Box Type)	801-225-180	4	Performance Requirements — Testboards No. 4, No. 5, No. 16, No. 17B, 17C and No. 18B
Add 801-220-151	2		801-225-181	2	Performance Requirements — Amplifiers, Amplifier-Rectifiers, and Weighting Networks for Testing and Maintenance
801-220-151	7	(J94709) — No. 3 Local Test Cabinet	801-225-182	1	Performance Requirements for Remote Telegraph Testboard Switch Frame
801-221-150	9	(J95001) — Loudspeaking Telephone System for Communication Between No. 14 or No. 16 Local Test Desks or No. 3 Cable Test Desk and Distributing Frames	801-225-184	1	(J1C189) — Test Bus Control Unit (TBCU)
Add 801-221-151	2				
801-221-151	9	(J95002) — No. 14 Local Test Desk			
801-221-152	4	(J95003) — No. 3 Cable Test Desk			
Add 801-221-154	1				
801-221-154	3	(J95005) — Test Desk and Associated Supporting Relay-Rack — Equipment Frames — No. 16 Local Test Desk			
801-222-150	5	(J94801) — No. 2 Repair Service Desk			
801-222-151	3	(J94703) — Test Supervisor Private Desk			
			Transmission and Noise Measuring Equipment		
			Specifications		
			801-250-150	10	(J94002) — 2-Type Panels, Units, and Portable Test Sets for Transmission Measuring
			Add 801-250-151	1	
			801-250-151	6	(J94003) — Noise Measuring Sets

Section Number	Issue	Subject	Section Number	Issue	Subject
801-250-152	6	(J94004) — Transmission Test Line or Test Trunk Equipment — Crossbar, Manual, Panel, Step-by-Step, PBX, or Toll Office	801-250-177	2	(J1C140) — Digital Access Timeslot Selector (DATS) — Transmission Test
801-250-153	7	(J94005) — Using 1U and 1W Amplifier Rectifier (Analog TMS) or KS-20805 Transmission Measuring System (Digital TMS)	Performance Requirements		
Add 801-250-154	3		801-270-180	1	Amplifiers and Weighting Networks for Testing and Maintenance
801-250-154	8	(J94006) — Transmission Measuring — 6-Type Noise Measuring Equipment	801-270-181	2	(J68831A) — Visual Transmission Measuring Set
Add 801-250-155	1		801-4 LINE BALANCING AND DELAY EQUALIZING, REPEATING COILS, VF REPEATERS, VF MAINTENANCE, RADIO AND CARRIER		
801-250-155	2	(J94007) — Transmission Measuring Carrier Frequency Noise — Measuring Set	Line Balancing, Delay Equalizing, Repeating Coils		
801-250-157	3	(J94022) — Transmission Measuring — 22A Milliwatt Reference Meter	801-401-150	7	(J98607) — Line and Balancing — Repeating Coil Equipment Units — For Open-Wire or Cable Circuits — Arranged for CX Signaling
Add 801-250-158	1		801-401-151	6	(J98616) — Line and Balancing — Impedance Compensator and Impedance Corrector — Panel and Bay Equipments
801-250-158	5	(J94023) — 23-Type — Transmission Measuring Set	801-401-152	4	(J99292) — Amplitude and/or Delay Equalizing Units for Use With Voice Frequency Circuits
801-250-159	3	(J94024) — 24-Type — Subscriber Loop Transmission Checking Equipment	801-401-153	1	(J99347) — Amplitude and/or Delay Equalizing Units for Use With Voice Frequency Circuits
801-250-160	5	(J94025) — J94025-Type — Voiceband Gain and Delay Set	VF Repeaters and VF Maintenance		
801-250-161	1	(J94026) — J94026 — Wideband Gain and Delay Set	801-405-150	3	(J98611) — E1 Telephone Repeater
801-250-162	4	(J94027) — 27-Type P/AR	801-405-151	6	(J98612) — E2 and E3 Telephone Repeaters and E-Repeater Test Set
801-250-163	7	(J94051) — 51-Type Automatic Transmission Measuring System — Transmission Measuring	801-405-152	8	(J99253) — E6 Telephone Repeaters and Unit and Bay Equipments for E6 and E7 Telephone Repeaters
801-250-165	8	(J94071) — 71-Type Milliwatt Reference Generators, Office Tone Sources, and Associated Distributing Arrangements	801-405-153	1	(J99271) — E7 Telephone Repeaters
801-250-166	4	(J99254) — 54-Type Test Sets for Use With E6 and E7 Telephone Repeaters	801-405-180	3	Performance Requirements — E1 Telephone Repeater SD-95465-01 (J98611A)
Add 801-250-167	1		801-405-181	3	Performance Requirements — E2 and E3 Telephone Repeaters
801-250-167	10	(J93020) — Automatic Transmission Measuring System	801-406-151	8	(J98615) — V4 Telephone Repeater — Bay Equipment Panels and Associated Terminating Equipment
801-250-168	4	(J93024) — Wideband Test Terminations (100 and 102 Type) — Echo Suppressor Test Termination (108 Type) — Test Line (107 Type) Equipment	Add 801-406-152	1	
801-250-169	2	(J94028) — Transmission Measuring — Continuity Test Circuits	801-406-152	2	(J98619) — Message and Signal Repeater for Long Subscriber Loops
Add 801-250-170	1		801-406-160	9	(J99343) — Metallic Facility Terminal
801-250-170	2	(J94008) — 8-Type Tone Detector — Transmission Measuring	801-406-161	2	(J99378) — Metallic Facility Terminal With Maintenance Access Provisions
Add 801-250-172	1		801-406-162	3	(J99386) — Metallic Facility Terminal Connectorized Modular
801-250-172	2	(J94052) — 52-Type Automatic Transmission Measuring System — Transmission Measuring	801-406-163	3	(J99394) — Metallic Facility Terminal Connectorized Modular With Maintenance Access Provision
801-250-173	2	(J94054) — ATMS Interrogators and Associated Equipments			
801-250-175	1	(J94056) — 56A Mini-Responder — Transmission Measuring			

Section Number	Issue	Subject
801-406-164	1	(J99400) Packaged Metallic Facility Terminal — Assemblies for Network Termination and Central Office Application
801-406-165	3	(J99401) — Metallic Facility Terminal — Special Arrangements and Mounting Equipment
801-406-166	1	(J99402) — Automated Transmission Terminal System (ATTS), Metallic— Metallic-Facility Treatment (MFT-5)
801-406-167	1	(J99403) — Automated Transmission Terminal System (ATTS) Provisioning Controller
801-406-180	4	Performance Requirements — V3 Telephone Repeaters
801-407-150	4	(J98617) — VF Bay Assemblies and Associated Equipment to Provide Transmission Features Such as Level Adjustment, Equalization, and Signaling
801-407-151	4	(J98620) — Miscellaneous Voice Frequency Equipment
801-407-152	3	(J98621) — Voice Frequency — Transmission Maintenance — Bays and Associated Panels
801-407-153	4	(J98624) — VF Bay Assemblies and Associated Equipment to Provide Transmission Features Such as Level Adjustment, Echo Suppression, Equalization, and Type F Signaling
801-407-154	6	(J99338) — Special Voice-Frequency Equipment for Use With Operator Services, Test Facilities or Similar Application
801-407-155	4	(J98625) — Range Extender With Voice Frequency Gain (Reg)
801-407-156	3	(J98626) — Unitized VF Terminal Equipment — F Type Signaling, A6 Carrier Channel Banks and Associated Equipments
Add 801-407-159	1	
801-407-159	2	(J98629) — Unitized VF Terminal Equipment — F Type Signaling, A6 Carrier Channel — Banks and Associated Equipments
801-407-160	2	(J98631) — Miniature Range Extender With Voice Frequency Gain (Mini-REG)
801-407-180	1	Performance Requirements — J99338 Switched Gain Repeater
Add 801-408-150	1	
801-408-150	3	(J99320) — Switched Maintenance Access System No. 1A
801-408-151	3	(J98622) — Relay Rack Equipment — Switched Maintenance Access System No. 3(1)
Add 801-408-152	1	
801-408-152	1	(J99357) — Testboard No. 24A
801-408-153	3	(J99359) — Switched Maintenance Access System (SMAS)—Interface and DF Access (SMAS 4) Equipment for Use With SMAS 5A/RTS 5A Equipment to Provide a SMAS 5B/RTS 5A Network

Section Number	Issue	Subject
801-408-154	3	(J99361) — Intertoll and Integrated Manual Test Frame (Testboard No. 25A)
801-408-155	1	(J99362) — Voice-Frequency Transmission — Status Display Frame
801-408-156	1	(J99363) — Voice-Frequency Transmission — Status Concentrator Frame

Radio

Specifications

801-415-150	3	(J99303) — Short Haul Radio Systems — TJ, TL-2, and TM-1 — Application Specification
Add 801-415-151	1	
801-415-151	2	(J99262) — TL-1 Radio — Transmitter-Receiver Equipment — Order-Wire and Alarm Equipment
801-415-152	3	(J99296) — TL-2 Radio — Transmitter-Receiver, Order-Wire and Alarm Diversity Switch, Video, and Associated Equipment Common to Short Haul Radio Systems
801-415-153	3	(J99302) — TM-1 Radio — Transmitter-Receiver Equipment, Power Amplifier, and Associated Equipment — Common to Short Haul Radio Systems
801-415-155	1	(J99351) — TM-2 Radio — Transmitter-Receiver Equipment

Performance Requirements

801-415-180	1	TL Microwave Radio Transmitter-Receiver
801-415-181	2	TL-2/TM-1 Microwave Radio — Transmitter-Receiver
801-415-182	1	TM-A1 Power Amplifier
801-415-183	1	TM-1 Microwave Radio — TM-1 Transmitter Equipped With TM-B1 Power Amplifier
801-415-185	1	TM-2 Microwave Radio — Transmitter-Receiver

N1 Carrier

Specifications

801-430-150	13	(J98703) — N1 Terminal and Repeater — N1, O1, and ON-1 Miscellaneous Equipment
801-430-151	6	(J98704) — Order Wire and Alarm
801-430-152	2	(J99333) — N Carrier Telephone — Schedules A and B Program Terminal — Plug-In Units and Shop-Wired Terminal

Performance Requirements

801-430-180	5	Terminal Mountings
801-430-181	4	N1 and ON1 Carrier Telephone Repeater Mounting

Section Number	Issue	Subject	Section Number	Issue	Subject
801-430-182	2	Order Wire and Alarm Circuits	801-435-185	1	ON/K Carrier Telephone Adjustable Deviation Equalizer
801-430-183	1	Reversing Circuit and Associated Branch Circuits for Schedule A and B Program Transmission	Loop Carrier		
801-430-184	2	Deviation Regulator	801-440-001	1	IJC142) — Pair Gain Test Controller (PGTC)
801-430-185	2	J98703BE Adjustable Deviation Equalizer — N and ON Carrier Telephone Systems	Add 801-441-150	1	
N2 Carrier			801-441-150	3	I99332) — U-1 Subscriber Loop Carrier
Specifications			801-441-151	2	I98729) — Subscriber Loop Carrier-1 (SLC [®] -1)
801-431-150	8	I99272) — Terminal Equipment — Plug-In Units and Shop-Wired Bays	801-444-170	1	KS-20988 Multi-Channel Subscriber Carrier
801-431-151	6	I99285) — Packaged Terminal Equipment	801-445-150	1	IJC123) — Loop Switching System
801-431-152	5	I99321) — N Carrier Telephone — N2 Carrier Repeater	801-450-103	3	IJC128) — SLC [®] -8 Subscriber Loop Carrier System
801-431-153	2	I99323) — N Carrier Telephone — N2 Line Build-Out and Cross-Connecting Equipment	801-450-104	1	Subscriber Loop Carrier-96 — SLC [®] -96 Channel Bank Equipment
Performance Requirements			801-450-105	1	IJC171) — SLC [®] -24 Subscriber Loop Carrier System
801-431-180	1	Terminal Bays	801-450-150	3	IJC046) — Subscriber Loop Multiplexer
N3 Carrier			Add 801-450-151	1	
801-432-150	4	I99300) — N3 Terminal, N3-L Type B or C Junction, and Common Carrier-Frequency Supply	801-450-151	4	IJC049) — Subscriber Loop Carrier-40 (SLC [®] -40)
Add 801-432-151	1		801-5 DIGITAL TRANSMISSION FACILITIES		
801-432-151	3	I99331) — N3-L Junction	Channel Banks		
801-432-155	3	Terminal Equipment — N4 Carrier Telephone	Specifications		
O, ON and ON/K Carrier			801-500-150	2	I98731) — DSX-1, DSX-1C, and DSX-2 — Patch and Cross-Connect — Equipment Design Requirements — Common Systems
Specifications			801-500-152	1	I98735) — Digital Access and Cross-Connect System — System Application and Equipment Design Requirement
801-435-150	7	I98705) — O Carrier Telephone — Terminals and Repeaters	801-500-154	1	I98739) P QUARK — Programmable Quantizer Analyzer and Record Keeper
801-435-151	6	I98706) — ON Carrier Telephone — Repeaters, Junction, and Multiplex Equipment	801-505-150	3	I98711) — D1 Channel Bank Equipment for Use With T1 Carrier
801-435-152	4	I98709) — ON/K Carrier Telephone — Terminal, Repeater, and Junction Equipment	801-505-151	3	I98713) — Wideband Data Equipment for Use With T1 Carrier
Performance Requirements			801-505-152	4	I98714) — D2 Channel Bank Equipment for Use With Digital Transmission Systems
801-435-180	6	O1 Carrier Telephone Terminal Mountings	801-505-153	1	I98718) — D3 Channel Bank Equipment for Use With Digital Transmission Equipment
801-435-181	3	O1 Carrier Telephone Repeaters	801-505-154	1	I98715) — Unitized D3 Channel Bank Bay With Optional SMAS
801-435-182	2	ON1 Carrier Telephone Terminals and Junction Mountings	801-505-155	3	I98726) — D4 Channel Bank Equipment for Use With Digital Transmission Systems
801-435-183	1	20 Channel-40 Channel Combining Circuit of ON1 Carrier Telephone for Radio	<i>Issue 2 not given general distribution</i>		
801-435-184	1	ON/K Carrier Telephone Terminal, Repeater, and Junction Mountings	801-505-156	1	I98732) — DCT Channel Bank Equipment for Use With Digital Transmission Systems

Section Number	Issue	Subject
801-505-157	3	(J98733) — Voice Frequency Transmission — Unitized Digital Transmission Facilities Terminal, D4 Channel Banks With SMAS 3 or SMAS 5 Access Circuit
801-505-159	1	(J98473) — D5 Channel Bank and Controller Equipment For Use With Digital Transmission Systems

Performance Requirements

801-505-180	1	T-1 Carrier Terminal Bay — (D1 Bank)
801-505-181	1	D2 Channel Bank

Transmission Lines

Specifications

801-523-150	4	(J98710) — T1 Carrier — System Requirements and Repeater Bay Equipment
801-523-151	2	(J98717) — T2 Digital Line — System Application Specification
801-523-152	2	(J98721) — T4M Digital Line — System Application & Equipment Design Requirements
801-523-153	1	(J98725) — TIC Carrier — System Requirements and Repeater Bay Equipment
801-523-156	2	(J98728) — T1/OS Digital Transmission System — Line and Terminal Equipment
801-523-166	1	(J98745) — Transversal Equalizer Bay — 90B Digital Regenerator

Performance Requirements

801-523-180	1	T-1 Carrier — Office Repeater Bay
801-523-181	2	Carrier Alarm Circuit
801-523-182	1	T-1/OS Span Terminating Bay Circuits — Common Systems
801-523-183	3	T4M Digital Coaxial Line — Span Terminating Frame (J98721A, B)
801-523-264	1	(J99383) Radio Line Terminating Frame (RLTF) and Radio Line Terminating Arrangement (RLTA) — 3A Radio Digital System (3A-RDS)

Multiplexer

Specifications

801-525-151	1	(J98716) — M1-2 Digital Multiplex System Application
801-525-153	3	(J98723) — M34 Digital Multiplex — Digital Transmission Facilities — System Application
801-525-154	2	(J98724) — Digital Transmission Facilities — M13 Digital Multiplex — System Application

Section Number	Issue	Subject
801-525-155	1	(J98727) — MIC Digital Multiplex for TIC Carrier
801-525-157	1	(J98737) — MIC-A Digital Multiplex for TIC Carrier

Performance Requirements

801-525-180	1	Digital Multiplex/Demultiplex Circuit, M1-2
801-525-181	1	M13 Digital Multiplex Circuit
801-525-183	1	M34 Digital Multiplex
801-525-184	1	Digital Multiplex/Demultiplex Circuit, Type MIC
801-525-185	1	MX3 Multiplex Assembly J98734M
801-525-186	1	MX3 Lightwave Terminating Multiplex Assembly J98734L
801-525-187	2	FT3 Line Repeater Bay
801-525-189	1	Digital Multiplex/Demultiplex — Circuit Type MIC-A

801-6 ALARM, ANNOUNCEMENT, SELECTIVE SIGNALING, WARNING, ALERTING, AIR GROUND COMMUNICATION, CODE CALLING, REPORTING, SIGNALING SYSTEMS AND SIGNALING EQUIPMENT

Alarms

Specifications

Add 801-601-150	1	
801-601-150	6	(J99202) — Central Office Fire Drill Equipment
801-601-151	6	(J99232) — Audible and Visual Alarm Equipment Units for Interconnection of No. 5 Crossbar With Other Systems (Dually Numbered With 819-752-150)
801-601-152	2	(J93009) — Central Office — Audible and Visual — Maintenance Alarm Equipment
Add 801-601-153	2	
801-601-153	1	(NJ01046) — Central Office — Audible and Visual — Maintenance Alarm Equipment
801-601-154	7	(J98302) — Emergency Alarm System — Automatic Fire-Detection Feature
801-601-155	4	(J98303) — Emergency Alarm System Without Code Signaling
801-601-156	15	(J98304) — Alarm Transfer Equipment Units — No. 5 Crossbar and Common Systems (Also Numbered 819-751-150)
801-601-157	1	(NJ01078) — Central Office — Fuse Alarm — Maintenance Equipment
801-601-158	6	(J28350) — Emergency Alarm Systems With or Without Code Signaling Including Automatic Fire-Detection Feature
801-601-159	1	(NJ01207) — Unattended Office — Audible and Visual — Maintenance Alarm Equipment

Section Number	Issue	Subject	Section Number	Issue	Subject
801-601-181	1	Central Office Alarm System — NJ01046 — Strapping and Interconnection Instructions	Warning, Air-Ground Communication, Alerting		
Announcement Systems			801-606-150	5	(J99237) — Civil Air Defense Warning System
Specifications			801-606-153	2	(J99245) — Air-Ground Voice Communication System
Add 801-603-150	1		Add 801-606-155	1	
801-603-150	9	(J95403) — Announcement Supply Equipment	801-606-155	7	(J95421) — Group Alerting System
Add 801-603-151	1		Code Call		
801-603-151	3	(J95410) — 2B — For Subscriber Operated Announcement Service	801-607-150	6	(J58822) — 3A Code Call Unit
801-603-152	1	(J95418) — No. 2D	801-607-180	1	3A Code Call Circuit
Add 801-603-153	1		Reporting		
801-603-153	6	(J95411) — No. 3A — Equipment Design Requirements	Add 801-608-150	1	
801-603-154	4	(J95415) — Emergency	801-608-150	6	(J99244) — 520A Emergency Reporting System
801-603-155	5	(J95416) — No. 4A	801-608-151	6	(J99246) — 520B Emergency Reporting System
Add 801-603-156	1		Add 801-608-154	1	
801-603-156	5	(J95417) — No. 6A — For Machine Intercept Service	801-608-154	4	(J99257) — 520D Emergency Reporting System
Add 801-603-157	1		Add 801-608-155	1	
801-603-157	3	(J95420) — 8A	801-608-155	3	(J99251) — 520E — Industrial Emergency Reporting System
Add 801-603-158	1		801-609-152	3	(J92617) — E2 Status Reporting and Control System — Central and Remote Bays — Summarizing Specification — Operations Support System
801-603-158	5	(J95419) — No. 9A	801-609-153	1	(J92618) — E2 Status Reporting and Control System — Equipment Units
801-603-159	2	(J99276) — No. 11A	Signaling Systems		
801-603-160	3	(NJ02506) — Apartment Door Answering Service	MF Pulsing		
801-603-161	6	(NJ02500) — Automatic Number Announcer and Verification Units	801-620-150	6	(J95102) — Receiving Equipment
801-603-162	1	(J1C012) — Recorded Announcement Frame — Variable Message Length, Modular Message, Phased Message Announcement Service and Message Synthesis Service	801-620-151	7	(J98609) — Multifrequency Current Supply for AC Keysets and Multifrequency Pulsing Senders
801-603-163	1	(J1C121) — 13A — For Recording and Reproducing Dial Facilities Management Announcements	801-620-152	2	(J99337) — Receiver
801-603-165	1	(J1C194) — 14A Announcement System	801-620-153	2	(J1C011) — Multifrequency Supply and Distribution Units
801-603-170	1	No. 6A — Machine Intercept	801-620-154	1	(J99353) — Multifrequency Receivers and Transmitters for Use in Electronic Central Offices
Performance Requirements			801-620-155	1	(J99373) — Multifrequency Interface Units
801-603-180	1	Announcement Machine Intercept Circuits	801-620-156	1	(J99385) — Dual Channel Receiver Unit
801-603-181	2	No. 3A	801-620-157	1	(J99389) — Coin Tone Receiver
801-603-182	3	124B Amplifier	801-620-170	2	The Multifrequency Pulsing System
Selective Signaling			801-620-180	3	Performance Requirements — J98609 Multifrequency Pulsing Supply
801-605-150	7	(J99252) — SS1			
801-605-151	1	(J98614) — Telephone Order Wire Equipment — Using SS1			

Section Number	Issue	Subject
Touch-Tone Calling		
801-621-150	2	IJ99266) — Receiver
801-621-151	3	IJ99289) — Receiver — Type A3
Add 801-621-152	1	
801-621-152	3	IJ99322) — Centralized Touch-Tone Calling Equipment for PBX Services — PBX and Common Systems (Dually Numbered With 809-140-153)
801-621-154	1	IJ99374) — Touch-Tone Calling Receiver
801-621-155	2	IJ99388) — Touch-Tone Signaling Receivers — Type H
Metallic Terminal System		
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801-640-151	5	IJ98603) — Simplex Signaling Equipment Units for D-C Supervisory and Dial Pulse Signaling
801-640-152	5	IJ98604) — Combination Type "B" Composite Signaling, Repeating Coil, and CX Set Equipment Units for Transmitting and Receiving Supervisory and Dial Pulses
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801-640-154	10	IJ98606) — Type "B" CX Signaling — Signaling Equipment Units and Associated Network Equipment for Transmitting and Receiving Supervisory Signals and Dial Pulses
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801-641-150	1	IJ95113) — B1 Frequency Shift Pulsing — Transmitting Equipment
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802-214-150	4	(J87380) - DC-to-DC Converter — Multiple Outputs — -48 Volt Input	Add 802-218-152	1	(J87263) - DC-to-DC Semiconductor Type — Regulated — +12 Volt, 0.7 Ampere Output — -48 Volt Input
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802-215-150	1	(J87285) - DC to DC — 6 Volt, 11 Ampere DC Output — -48 Volt DC Input	802-218-153	1	(J87284) - DC to DC — 12 Volt, 11 Ampere DC Output — -48 Volt DC Input
Add 802-215-151	1		802-218-154	2	(J87308) - DC to DC — Regulated — ±24 Volt, 3 Ampere DC Output — -48 Volt DC Input
802-215-151	3	(J87248) - For 101-Type ESS Control Unit — DC to DC — Regulated — 6 Volts 20 Amperes DC Output — 12 Volts 40 Amperes DC Output — 24 Volts 25 Amperes DC Output — -48 Volt DC Input	802-218-155	1	(J87388) DC to DC — Semiconductor Type — Regulated — +12 Volt 0.7-Ampere Output -24 Volt DC Input
			♥ 802-218-156	1	(J87377) - DC-to-DC, Regulated — +12.1 Volt, 2-Ampere DC Output — -12.1 Volt, 2-Ampere DC Output — -5.5 Volt, 9-Ampere DC Output — -48 Volt DC Input

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 802-218-158	2		802-226-151	1	(J87391) - DC to DC — Semiconductor Type — Regulated — +48 Volts 2 Ampere Output — -48 Volts Input
802-218-158	1	(J87378) - DC-to-DC — Regulated — -24 Volt Input — +12.1 Volt, -12.1 Volt, and -5.5 Volt Output	802-226-152	1	(J87306) - DC to DC Converter — +48 V or -48 V DC, 4.0 Amperes Output — -24V DC Input
Add 802-218-159	1		802-226-153	2	(J87400) - DC-to-DC Regulated — 48-Volt, 50-Ampere Output — 140-Volt Input
802-218-159	1	(J87411) - Power Supply Circuit — Semiconductor Type — Regulated — Numbers 1A and 4 ESS — -48 Volt and +24 Volt Inputs — +12V, 10.5A Output; +6V, 9.3A Output, +3.06V, 17A Output — -3V, 12A Output; -12V, 10.5A Output	Add 802-226-155	1	
802-219-160	2	(J87422) - DC-to-DC Converters — Semiconductor Type — Regulated — No. 2B and No. 3 ESS, TSPS, and No. 5 ETS — -48 Volt, Two +24 Volt, and +5 Volt Inputs — +12V 2.0A and -5V 0.05A Outputs	802-226-155	1	(J87408) Converter DC-to-DC Regulated ± 48 Volt 100-Ampere Output — ±140 Volt Input
802-220-150	1	(J87287) - DC-to-DC Semiconductor Type — Regulated — ±18 Volt, 1.4 and 0.25 Ampere DC Output — +24 and -48 Volt DC Input	802-226-156	1	(J87457) Converter DC-to-DC Regulated ± 48 Volt 50-Ampere Output — +140-Volt Input
802-223-150	3	(J87304) - For Voice Frequency Transmission Systems — DC-to-DC Semiconductor Type — Regulated — 24-Volt, 5-Ampere DC Output — 48-Volt DC Input	Add 802-227-150	1	
Add 802-223-151	2		802-227-150	1	(J87307) - DC-to-DC Semiconductor Type — Regulated — -72 Volt, 9 Ampere Output, -48 Volt DC Input
802-223-151	2	(J87294) - DC-to-DC Semiconductor Type-Regulated — -24 Volt, 13 Ampere DC Output — +24 Volt DC Input	802-230-152	1	(J87305) - DC to DC Converter — ±130V DC, 3.33 Amperes Output — 24 Volts DC Input
802-223-152	1	(J87283) - DC to DC — 24 Volt, 9 Ampere DC Output — -48 Volt DC Input	802-230-154	1	(J86879) - 670A Converter Power Plant — +130V or -130 V DC, 10.0 Amperes Output — -24V DC Input
802-223-153	3	(J87338) - +24V DC, 16.0 Amperes Output — 24 Volts DC Input	802-234-150	3	(J87271) - DC-to-DC Semiconductor Type — 250 Volt, 5 Ampere DC Output — 130 Volt DC Input
Add 802-223-154	1		802-234-151	1	(J87290) - DC-to-DC Semiconductor Type — 250 Volt, 0.015 Ampere DC Output — 3 to 10.5 Volt DC Input
♥ 802-223-154	2	(J87310) - Converter — Regulated — (+ or -) 18 or 24 Volt, 16 Ampere Output — +24 Volt Input	802-240-150	6	(J87303) - 0- to 1800-Volt, 520- Milliampere DC Output — 24-Volt DC Input
Add 802-223-156	1		802-242-150	1	(J87331) - DC-to-DC Converter — -48 Volt Input — +48, -42, +24, -48 Volt Outputs
802-223-156	1	(J87371) - DC-to-DC Regulated — 24-Volt, 100 Ampere Output — 140-Volt Input	Add 802-243-150	1	
802-223-157	2	(J87361) - DC-to-DC Regulated + or -24 Volt, 40-Ampere DC Output — + or -48 Volt DC Input	802-243-150	1	(J87332) - For PBX-AI0D-A2 — 6 Volts, 10 Amperes DC — 12 Volts, 6 Amperes DC — 24 Volts, 0.5 Ampere DC
802-223-159	1	(J87456) - Converter DC-to-DC Regulated — ±24 Volt 50-Ampere Output — +140 Volt Input	802-244-150	4	(J87334) - DC-to-DC — 25-Volt, 3.5 Ampere DC Output — 20-26 Volt DC Input
802-223-160	1	(J87461) - DC-to-DC Regulated Converter — +24 Volt 30 Ampere Output — -48 Volt Input — Equipment Design Requirements — Power Systems	Add 802-290-150	1	
802-224-160	2	(J87288) - DC to DC — Regulated — -25 Volt, 2.5 Ampere DC Output — -20 to -26 Volt DC Input	802-290-150	1	(J87356) - Converter, DC-DC — Semiconductor Type, Regulated for TH3 Radio Systems
802-224-161	2	(J87297) - DC to DC — Regulated — 25 Volt, 10 Ampere DC Output			

802-3 POWER SUPPLIES

General

802-300-151	4	(J86858) - For L4 and L4S Coaxial System
802-300-152	2	(J87321) - 1 and 10 Milliampere — Constant Current — 117 Volts AC Input for L4 Coaxial System

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 802-300-154	1		802-304-156	3	(J87412) - For T4M Digital Line — 0 to + and -960 Volt, 835 Milliampere DC Output — +140 Volt DC Input
802-300-154	1	(J87397) - Remote Repeater Power Feed Terminal for Subscriber Loop Multiplexer System	802-305-150	4	(J87216) - Semiconductor Type — Automatic Regulation — -21 Volts, 2.0 Amperes
♥ 802-301-150	1	(J86847) - Precise Tone, Interrupter, Transfer, and Alarm for Use With 4 Wire No. 5 Crossbar AUTOVON — 0.18 to 1.47 Volts, 1 Volt-Ampere, 350, 440, 480, and 620 Hz Tones	802-305-151	5	(J87245) - DC-to-DC Semiconductor Type — Automatic Regulation — -21 Volts, 4 Amperes DC — -24 Volts, 3.5 Amperes DC
802-301-155	1	(J86223) - Filament Supply — Regulated — 6.3 Volts, 0.6 and 1 Ampere DC — 6.3 Volts, 1.5 Amperes AC	Add 802-305-152	1	
802-301-156	4	(J86857) - Nonreserve or Reserve Plants — +6.6, ±24, -48, and ±86 Volts, 0 to 120 Amperes	802-305-152	1	(J87320) - Semiconductor Type — Regulated Rectifier — +24 Volts, 0.75 Amperes — -24 Volts, 1.25 Amperes
Add 802-301-160	1		Add 802-309-150	2	
802-301-160	2	(J87296) - Semiconductor Type — Ferroresonant Regulation — +300 Volts, 0.13 Ampere DC — -150 Volts, 0.01 Ampere DC — -40 Volts, 0.01 Ampere DC — -24 Volts, 0.95 Ampere DC — ±6.4 Volts, 3.9 Amperes AC	802-309-150	3	(J86496) - ±24 Volts, 0 to 30 Amperes DC
Add 802-301-165	1		802-309-152	1	Performance Requirements — For J86496 Power Supply — ±24 Volts, 0 to 30 Amperes
802-301-165	3	(J87276) - Rectifier — Semiconductor Type — Ferroresonant Regulation — +24 Volts, 6 and 12 Amperes DC — +6.6 Volts, 38 Amperes DC — -24 Volts, 2 Amperes DC	802-309-153	3	(J87255) - Semiconductor Type — Ferroresonant Regulation — -24 Volts, 16 Amperes DC
802-301-166	2	(J87292) - Semiconductor Type — Ferroresonant Regulation — +24 Volts, 20 and 24 Amperes DC — +6.6 Volts, 84 Amperes DC — -24 Volts, 11 Amperes DC	802-309-154	4	(J87254) - Semiconductor Type — Ferroresonant Regulation — -24 Volts, 48 Amperes DC
Add 802-302-150	1		802-309-156	1	(J87281) - Semiconductor Type — Ferroresonant Regulation — -40.5 Volts 50 Milliampere DC Output
802-302-150	1	(J87213) - Semiconductor Type — Manual Regulation — 11 Volts, 6 Amperes DC — 135 Volts, 0.375 Ampere DC	Add 802-315-150	1	
Add 802-302-156	1		802-315-150	2	(J86878) - For 761B PBX System — Ringing, Tones, and Interruptions — ±48 Volts, 0.3 and 4.4 Amperes DC — 10 Volts, 1.3 Amperes AC — -130 Volts, 0.05 Ampere DC
802-302-156	1	(J87203) - Semiconductor Type — Manual Regulation — -11 Volts, 2 Amperes DC — 135 Volts, 0.125 Ampere DC	802-315-152	1	(J87358) - Semiconductor Type — Ferroresonant Regulation -24 Volts 0.6 Amp DC Talk, -24 Volts 10 Amp DC Sig, ±10 Volts 0.3 Amp AC for 805A PBXs
Add 802-302-160	1		802-315-153	1	(J87416) - Converter for PBX-A10D-A2 — 48 VDC Input — 6 VDC 10A, 12 VDC 6A, 24 VDC 1A Outputs
802-302-160	2	(J87220) - Power Supply — Semiconductor Type — Ferroresonant Regulation — 16.8 Volts 75 Amperes DC	802-321-150	2	(J87327) - For D2 Channel Bank — +5V — 12.2 Amp — -5V — 3.2 Amp — -12V — 3.3 Amp — +24V — 4.4 Amp — -24V — 2.0 Amp — +32V — 0.11 Amp — -32V — 0.07 Amp
802-304-151	3	(J87252) - Semiconductor Type — Regulated — -20 Volts, 2.5 Amperes			
Add 802-304-152	1		Radio Systems		
802-304-152	1	(J87300) - Remote Test Voltage Supply Unit — +20 to +200 Volts, 0.001 to 0.07 Ampere — -116 Volts, 0.015 Ampere	Add 802-340-150	2	
802-304-153	9	(J86498) - For T-1 Carrier and No. 1 Traffic Service Position Systems — ±24, -48, +48 Volts DC	802-340-150	2	(J86835) - For TD3 Radio System Traveling Wave Tube — -7.5 Volts, 0.95 Ampere DC — 60 to 500 Volts, 0.001 Ampere DC — 1420 Volts, 0.04 Ampere DC — 2500 to 2900 Volts, 0.01 Ampere DC
802-304-155	1	(J86489) - Semiconductor Type — Unregulated — ±15 Volts, 0.5 Ampere DC — 20 and 48 Volts, 1 and 0.2 Ampere DC	802-340-151	1	(J86890) - Converter — For TD3 Radio System Traveling Wave Tube — -7.5 Volts, 0.95 Ampere DC — 60 to 500 Volts, 0.001 Ampere DC — 1420 Volts, 0.04 Ampere DC — 2500 to 2900 Volts, 0.01 Ampere DC

Section Number	Issue	Subject
802-340-152	1	U87325) - Converter Regulator — +130V Input, +475V, 100 mA Output — TD2 Radio
Add 802-341-154	2	
802-341-154	2	U86853) - DC Power Supply — For TM Radio Traveling Wave Tubes
Add 802-341-155	1	
802-341-155	2	U86886) - For 464A Traveling Wave Tubes — TH3 Radio Systems
802-341-160	1	U87259) - For TJ Microwave System — AC Power Equipment
802-341-161	6	U86473) - For TJ Radio Systems — 6.5 to 650 Volts, 0.005 to 2.0 Amperes DC — 5.3 to 117 Volts, 0.25 to 8.2 Amperes AC
802-343-150	2	U86499) - For TL Radio System — -20 to -600 Volts, 0.01 to 1.88 Amperes DC — 43 Volts, 0.01 Ampere AC
802-343-151	4	U87256) - For TL-2 and TM-1 Radio Systems — Semiconductor Type — Regulated — +6.4 Volts, 0.8 Ampere DC — -20 to -600 Volts, 0.01 to 1.1 Ampere DC — 43 Volts, 0.01 Ampere AC
Add 802-343-160	1	
802-343-160	1	U86843) - For TM Radio System Traveling Wave Tube — 6.5 Volts, 0.95 Ampere DC 700 Volts, 0.001 Ampere DC — 1200 Volts, 0.035 Ampere DC — 2300 Volts, 0.01 Ampere DC
802-350-150	1	U87431) - Power Supply for Traveling Wave Tubes — AR6A Radio System
802-350-151	1	U87449) - Regulator and Converter — Multiple Outputs — -24 Volt Input

802-4 RECTIFIERS (See also Power Supplies)

Tube Type

Add 802-404-151	1	
802-404-151	9	U86227) - Regulated — 300 Volts, 0.22 Ampere DC

Tube and Semiconductor Type

Add 802-408-150	1	
802-408-150	6	U86240) - Automatic Regulation — 130 Volts, 8 and 9 Amperes DC
Add 802-409-150	1	
802-409-150	15	U86207) - Tube and Semiconductor Types — Regulated — 17 to 18 Volts, 0.1 to 30 Amperes DC

Semiconductor Type — Unregulated

802-411-150	3	U87201) - 2.5 Volts, 200 Amperes DC — 5 Volts, 200 Amperes DC
Add 802-411-160	1	
802-411-160	8	U86248) - For Key Telephone Systems — 20 Volts DC and 10 Volts and 18 Volts AC

Section Number	Issue	Subject
802-414-150	12	U86205) - Unregulated and Manually Regulated — 3.5 to 24 Volts, 0.1 to 6 Amperes
802-414-151	2	U87323) - +24 Volt 1.3 Ampere, -24 Volt 1.3 Ampere Output — 117 Volts AC, 60 Hz Input
802-414-152	2	U87341) - +24 Volt 1.2 Ampere, -24 Volt 1.2 Ampere Output — 117 Volts AC, 60 Hz Input

Semiconductor Type — Manual Regulation

802-419-150	3	U86257) - 12 Volts, 22 Amperes
802-420-150	5	U86256) - 120 and 130 Volts, 0.45 and 0.8 Ampere
Add 802-421-150	1	
802-421-150	2	U86278) - 135 Volts, 0.125 and 0.375 Ampere
Add 802-421-156	1	
802-421-156	7	U86254) - 190 and 200 Volts, 0.7 Ampere
Add 802-422-150	1	
802-422-150	5	U86255) - 315 Volts, 0.4 Ampere

Semiconductor Type — Automatic Regulation

802-425-150	1	U86298) - 4 Volts, 3 Amperes
802-425-156	2	U87275) - 9 Volts, 100 Amperes
Add 802-425-161	3	
802-425-161	5	U86244) - 12 Volts, 200 Amperes
802-425-162	1	U87357) - Rectifier — Input: 117 Volts RMS, 60 Hertz — Outputs: Regulated +33 Milliamperes — Regulated +30, +45, +60, +75 or +105 Volts — Regulated -14 Volts
802-425-166	2	U87247) - 17 to 26 Volts, 1.5 to 2.0 Amperes
802-426-150	2	U87207) - 24 Volts, 1.5 Amperes
Add 802-426-151	1	
802-426-151	3	U87232) - 24 Volts, 30 Amperes
Add 802-426-152	1	
802-426-152	8	U87222) - 24 Volts, 100 Amperes
Add 802-426-153	3	
802-426-153	4	U87211) - 24 and 48 Volts, 11 Amperes
Add 802-426-156	1	
802-426-156	1	U87328) - Automatic Ferroresonant Regulation — 24 Volts, 15 Amperes
Add 802-426-157	1	
802-426-157	1	U87329) - Automatic Ferroresonant Regulation — 48 Volts, 15 Amperes
Add 802-426-160	1	
802-426-160	1	U87417) - ±24 Volts DC, 100 Amperes — Automatic Regulation — KS-20491
Add 802-428-150	3	
802-428-150	2	U87233) - 48 Volts, 30 Amperes

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 802-428-151	1		Add 802-443-162	1	
802-428-151	9	(J87223) - 48 Volts, 100 Amperes	802-443-162	3	(J87240) - ± 20 Volts, 0.50 Ampere DC
Add 802-428-156	1		802-444-151	3	(J87234) - -24 Volts
802-428-156	1	(J87418) - -48 Volts DC, 100 Amperes — Automatic Regulation — KS-20493	802-444-152	1	(J87282) - -22.5 Volts, 60 to 100 Milliamperes DC Output
802-432-150	7	(J87228) - 130 Volts, 10 Amperes	802-444-158	2	(J87434) - Rectifier — 24 Volts, 35 Amperes
802-432-151	7	(J87229) - 130 Volts, 30 Amperes	802-444-159	2	(J87436) - Rectifier — 24 Volts, 100 Amperes
Add 802-432-152	1		802-444-160	3	(J87438) - Rectifier 24 Volts, 200 Amperes
802-432-152	8	(J87224) - 130 Volts, 100 Amperes	802-444-163	1	(J87447) - Rectifier — 24 Volts, 15 Amperes
802-433-150	1	(J87346) - 230 Volts — 60 Hz Input — -19 Volts — .175 Ampere Output TH-1 Radio Systems	802-446-150	2	(J87241) - -48 Volts, 0.7 Ampere
Semiconductor Type — Ferroresonant Regulation			Add 802-446-152	1	
Add 802-440-150	1		802-446-152	4	(J87205) - 48 Volts, 8 Amperes
802-440-150	2	(J87221) - -3 Volts 3.5 Amperes DC — +60 Volts 0.15 Ampere DC — +145 Volts 0.045 Ampere DC	802-446-153	1	(J87342) - 6.6 Volts, 60 Amperes DC — For 810A PBX — Batteryless Power Plant
Add 802-440-155	1		802-446-154	1	(J87343) - 24 Volts, 20 Amperes DC — For 810A PBX — Batteryless Power Plant
802-440-155	3	(J87419) - For CSS-201 DIMENSION® PBX — +19.5V 1.1A, +16.0V 0.5A, +12.0V 1.4A, +9.0V 4.0A, +5.1V 1.25A, +5.1V 3.5A, +5.0V 0.5A, -5.1V 2.5A, -9.0V 3.5A, -48.0V and -48.0 FV 7.0A DC Output — 117V, 8A, 60 Hz AC Input and +9.0V 5A, +5.1V 20.5A, +5.0V 0.5A, -5.1V 3.5A, -9.0V 4.5A, -48.0V and -48.0 FV 7.0A DC Output — 117V, 8A, 60 Hz AC Input	802-446-155	1	(J87347) - 48 Volts, 15 Amperes DC — For PBX — Batteryless Power Plant
802-441-150	2	(J87272) - -12 Volts, 0.125 Ampere DC — +12 Volts, 0.6 Ampere DC — +26 Volts, 0.25 Ampere DC — +155 Volts, 0.004 Ampere DC — +200 Volts, 0.04 Ampere DC	802-446-161	2	(J87435) - Rectifier 48 Volts, 35 Amperes
Add 802-441-151	1		802-446-162	2	(J87437) - Rectifier — 48 Volts, 100 Amperes
802-441-151	3	(J87212) - +12 Volts, 0.66 Ampere DC — -12 Volts, 0.28 Ampere DC — +12 Volts, 0.135 Ampere DC, -12 Volts, 0.135 Ampere DC	802-446-163	3	(J87439) - Rectifier — 48 Volts, 200 and 180 Amperes
802-441-154	1	(J87432) - List of Power Supplies	802-446-166	1	(J87448) - Rectifier — 48 Volts, 15 Amperes
Add 802-442-150	1		Metallic Type — Manual Regulation		
802-442-150	1	(J87267) - ± 17.5 Volts, 1.6 and 3.2 Amperes DC	802-460-161	5	(J86220) - 10 Volts, 12 Amperes
Add 802-443-151	1		Add 802-460-166	1	
802-443-151	3	(J87208) - ± 18 Volts, 0.275 Ampere DC	802-460-166	2	(J86277) - 11 Volts, 2 and 6 Amperes
802-443-152	1	(J87270) - ± 18 Volts, 0.5 and 1.5 Amperes DC	802-465-155	3	(J86265) - 130 Volts, 0.2 Ampere
802-443-153	1	(J87258) - ± 18 Volts, 0.65 Ampere DC	802-465-156	2	(J86258) - 130 Volts, 0.65 Ampere
Add 802-443-160	1		802-466-150	3	(J86259) - 250 Volts, 0.35 Ampere
802-443-160	3	(J87239) - ± 20 Volts, 0.25 Ampere DC	Metallic Type — Automatic Regulation		
Add 802-443-161	2		Add 802-471-150	1	
802-443-161	2	(J87215) - ± 20 Volts, 0.5 Ampere DC	802-471-150	2	(J86241) - 24 Volts, 1 Ampere
			802-473-150	1	(J86281) - 48 Volts, 7.5 Amperes
			802-5 SUBMARINE CABLE SYSTEMS		
			♥ 802-501-150	2	(J86806) - Ground Supply Bay for SD Submarine Cable System
			♥ 802-501-151	1	(J86860) - Ground Supply Bay for SF Submarine Cable System
			♥ 802-502-150	3	(J86469) - Common Control Bays — 2800 Volts, 0.26 Ampere DC

Section Number	Issue	Subject	Section Number	Issue	Subject
♥ 802-502-151	1	(J87291) - Equipment Units for Use With SF Submarine Cable Power and Ground Supplies	802-525-180	1	Performance Requirements — For J86460 Submarine Cable System
♥ 802-503-150	2	(J87209) - Power Equipment Units for SD Submarine Cable System	802-6 POWER PLANTS — MISCELLANEOUS AND 100-TYPE		
♥ 802-503-151	1	(J87301) - Plug-In Units for SF Submarine Cable Power and Ground Supplies	Miscellaneous		
♥ 802-510-150	1	(J87218) - Inverter for SD Submarine Cable Systems — Semiconductor Type — Automatic Regulation — 5 Volt-Amperes, 400 Cycles — 4.1 Volts, 0.03 Ampere AC — 16.6 Volts, 0.04 Ampere DC — 55 Volts, 0.09 Ampere AC	802-601-151	6	(J86822) - Automatic Regulation — 24 Volts, 48 Amperes
♥ 802-510-151	1	(J87251) - Inverter for Short Haul SD Submarine Cable Systems — Semiconductor Type — Regulated — 300 VA, 1200 Cycles — 100 Volts, 0 to 0.2 Ampere — 660 Volts, 0.45 Ampere	Add 802-601-152	1	
♥ 802-515-150	1	(J86819) - Power Supply for Terminal SD Submarine Cable Systems — 420 Volts, 0.389 Ampere DC	802-601-152	9	(J86440) - 24 Volts, 1, 1.5, 6, and 12 Amperes DC
♥ 802-515-151	4	(J86275) - Power Supply — Regulated — 1900 to 3200 Volts, 0.26 Ampere DC	802-601-180	3	Performance Requirements — For J86440A Power Plant — 24 Volts, 6 and 12 Amperes
♥ 802-515-152	4	(J86467) - Power Supplies for Terminal and Shipboard Submarine Cable Systems — 2800 Volts, 0.26 Ampere DC	802-601-181	2	Performance Requirements — For J86440B Power Plant — Filament Supply — 24 Volts, 1.5 Amperes
♥ 802-515-153	4	(J86468) - Power Supply — Regulator Bays — 2900 Volts, 0.26 Ampere DC	802-601-182	1	Performance Requirements — For J86440C Power Plant — 24 Volts, 1 Ampere
♥ 802-515-154	3	(J86804) - Power Supplies for Terminal and Shipboard SD Submarine Cable Systems — 6500 Volts, 0.225 to 0.43 Ampere DC	802-605-150	2	(J86483) - For TH-1 Radio System
♥ 802-515-155	3	(J86805) - Power Supply Equipment for Terminal and Shipboard SD Submarine Cable Systems — 6500 Volts, 0.37 and 0.43 Ampere DC	Add 802-606-153	1	
♥ 802-515-181	2	Performance Requirements for J86467 Power Supply	802-606-153	4	(J86454) - For Type "0" Carrier Terminals and Repeaters — 130 Volts, 0.42 to 0.84 Ampere
♥ 802-516-150	1	(J86844) - DC Power Supply — 2500 or 5000 Volts 0.136-Ampere Constant Current for SF Submarine Cable System	Add 802-608-150	1	
802-517-150	2	(J86902) - Constant Current DC Power Supply 2500-, 5000-, or 7500-Volt 0.657-Ampere for Use With SG Submarine Cable System	802-608-150	2	(J86859) - 2-Wire No. 2 Electronic Switching System and Automatic Intercept Center — No. 1A in Automatic Intercept System — 6.7 Volts, 200 Amperes
802-517-151	2	(J87413) - Equipment and Plug-In Units for SG Submarine Cable Power Supply	Add 802-610-150	1	
802-517-152	1	(J86924) - Short Range SF Submarine Cable Power Supply — 0- to 1800-Volt, 136-Milliampere DC Output 48-Volt DC Input	802-610-150	2	(J86811) - For Traffic Data Summarizer — -3, -17.5, and -48 Volts, 3.5, 1.6, and 8 Amperes DC — +16.8, +17.5, +60, and +145 Volts, 75, 3.2, 0.15, and 0.045 Amperes DC
802-525-150	4	(J86460) - Power Supplies for Terminal and Submarine Cable Plants	802-612-150	4	(J86431) - For Teletypewriter Switching Unit 81C1 — 48 and 115 Volts DC — 120 Volts AC
♥ 802-525-151	1	(J86852) - Equipment Bays for Use With SF Submarine Cable Power Supplies	802-612-153	2	(J86453) - For 81D1 Teletypewriter Switching System — 48 Volts, 100 Amperes DC — 130 Volts, 20 Amperes DC — 120/208 Volts AC
			802-612-154	4	(J86658) - 3B20 Simplex — Power Conditioning Cabinet
			802-612-180	1	Performance Requirements — For J86431 Power Plant — 48 Volts DC
			802-612-181	1	Performance Requirements — For J86431 Power Plant — 115 Volts DC
			802-612-184	1	Performance Requirements — For J86453 Power Plant — 48 Volts DC
			802-612-185	1	Performance Requirements — For J86453 Power Plant — 130 Volts DC
			802-616-150	1	(J86848) - For PBX-A10D — 6 Volts, 11 Amperes DC — 12 Volts, 11 Aes DC — 10 Volts, 13.6 Amperes AC

Section Number	Issue	Subject	Section Number	Issue	Subject
802-620-150	6	(J86635) - For 800A and 801A PBX Systems — -48 Volts 7 Amperes DC — +24 Volts 16 Amperes DC — -24 Volts 0.8 Ampere DC — 10 Volts 0.3 Ampere AC — 10 Volts 2 Amperes AC	802-653-180	1	Performance Requirements — For J86802 (102G) Power Plant
802-620-151	1	(J86887) - 6.6, 24 and 48 Volts Supplies — For 810A PBX — Batteryless Operation	802-654-150	6	(J86423) - 103B Power Plant — 48 and 75 volts, 0.6 Ampere DC
802-620-152	1	(J86888) - 6.6 Volt Supply — For 810A PBX — Battery Reserve Operation	802-654-180	1	Performance Requirements — For J86423 (103B) Power Plant
802-624-150	4	(J86833) - For 1A or 1B Telephone Answering System — -24 Volts, 4 Amperes DC — 10 Volts, 0.3 Ampere AC — 15 Volts, 1.0 Ampere AC	Add 802-656-151	1	
802-626-150	5	(J86818) - For 2A Automatic Call Distributing System — Batteryless Operation — -48 Volts, 8 Amperes DC — 10 Volts, 17 Amperes AC	802-656-151	5	(J86516) - 105C Power Plant — 48 Volts, 3, 10, and 20 Amperes DC
Add 802-626-151	3		802-656-152	10	(J86446) - 105D — 48 Volts, 10, 25, and 40 Amperes DC
802-626-151	3	(J86828) - For 2A Automatic Call Distributing PBX System — Battery Reserve Operation — -10 and -48 Volts, 11 and 20 Amperes DC	Add 802-656-153	1	
802-626-152	5	(J86830) - For 3A Automatic Call Distributing System — Battery Reserve Operation — +10 Volts, 20 Amperes — Zip Tone, and 117-Volts AC Supplies	802-656-153	12	(J86814) - 105E Power Plant — 24 and 48 Volts, 30 Amperes DC
802-627-150	8	(J86812) - For No. 400 Switching System — -48 Volts, 8 Amperes DC — +48 Volts, 0.1 Ampere DC — 10 Volts, 2.1 Amperes AC	802-656-180	1	Performance Requirements — For J86446 (105D) Power Plant
802-628-001	2	(J85500) — LINEAGE™ 2000 Battery Plant — 24 or 48 Volts — 0 Through 6400 Amperes — Equipment Design Requirements — Power Systems	Add 802-659-150	1	
100-Type			802-659-150	12	(J86572) - 110A Power Plants — 24 Volts, 10 to 120 Amperes DC — 48 Volts, 10 to 400 Amperes DC
802-652-153	5	(J86566) - 101E Power Plant — 20 to 24 Volts, 15 and 30 Ampere-Hours DC	Add 802-659-151	1	
Add 802-652-155	2		802-659-151	3	(J86455) - 110B Power Plant — 24 Volts, 5 to 80 Amperes DC
802-652-155	8	(J86731) - 101G Power Plants — For Use On Subscriber Premises — 20 Volts, 0.6 and 0.9 Ampere DC — 10 and 18 Volts, 1.4, 2.8, and 17 Amperes AC — 20 Cycle Ringing	Add 802-659-160	1	
Add 802-652-157	1		802-659-160	14	(J86470) - 111A Power Plant — 22 to 26, 44 to 50, or 44 to 52 Volts — 0 to 800 Amperes — Positive or Negative Ground
802-652-157	5	(J86471) - 101J Power Plant — 18 or 24 Volts, 4 Amperes DC — 18 Volts, 1.6 Amperes AC — 10 Volts, 5 Amperes AC	802-659-180	2	Performance Requirements — For J86572 (110A) and J86455 (110B) Power Plants
802-652-158	1	(J86897) - 101K Power Plant — 110 Volts, 30 Hertz AC — -10 Volts, 3 Amperes and -24 Volts, 2 Amperes DC With 15-Ampere-Hour Battery Reserve	802-659-186	1	Performance Requirements — For J86470 (111A) Power Plant
Add 802-653-153	1		802-669-150	2	(J86866) - 130A Power Plant — +/-24 Volts, 0 Through 70 Amperes
802-653-153	10	(J86466) - 102F Power Plant — 24 Volts, 100 Ampere-Hours DC — 48 Volts, 50 Ampere-Hours DC	802-669-160	2	(J86867) - 131A Power Plant — -48 Volts, 0 Through 70 Amperes
			802-669-161	2	(J85522) - 131B Battery Power Plant — 48V, 0 Through 70 Amperes DC
			802-669-162	3	(J85525) - 131C, 131D, and 131F Battery Power Plants — -48 Volts, 0 Through 70 Amperes DC
			<i>Issue 1 not given general distribution</i>		
			802-670-150	2	(J86868) - 132A Power Plant — +/-24 Volts, 0 Thru 140 Amperes
			802-670-151	3	(J86918) - 132B Power Plant — ±24 Volts, 0 Through 140 Amperes
			802-670-160	2	(J86869) - 133A Power Plant — -48 Volts, 0 Thru 140 Amperes
			802-670-161	3	(J86919) - 133B Power Plant — -48 Volts, 0 Through 140 Amperes
			802-679-151	3	(J86871) - 150B Power Plant +/-24 Volts, 0 Through 600 Amperes

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802-679-152	2	(J86928) - Battery Plant — 24 or 48 Volts, 0 Through 800 Amperes	802-751-182	2	Performance Requirements — For J86436 (403C) Power Plant — 130 Volts, 0.18 Ampere
802-679-160	2	(J86872) - 151A Power Plant — 48 Volts, 0 Through 400 Amperes — Positive or Negative	802-754-150	9	(J86584) - 410A Power Plant — 130 Volts, 1 to 25 Amperes — Using Regulated Rectifiers
802-679-161	2	(J86873) - 151B Power Plant — —48 Volts, 0 Thru 600 Amperes	Add 802-754-151	1	
802-679-162	1	(J86917) - 151C Power Plant —48 Volts, 0 Through 600 Amperes — Equipment Design Requirements — Power Systems	802-754-151	5	(J86465) - 410B Power Plants — ±130 Volts, 1 to 80 Amperes DC
802-680-150	3	(J86908) - 152A Power Plant — 24 Volts, Positive or Negative — 0 Through 1200 Amperes	802-754-160	3	(J86862) - 411A Power Plant — Positive and Negative — 63 Cell, 130 Volts, 120 Amperes — Using Duct-Type Framework
802-680-160	3	(J86909) - 153A Power Plant - 48 Volts Negative — 0 Through 1200 Amperes	802-754-161	3	(J86863) - 411B Power Plant — Positive and Negative — 63-Cell, 130 Volts, 120 Amperes — Using Cabinet Framework
802-681-150	3	(J86910) - 154A Power Plant — 24 Volts, Positive or Negative — 0 Through 2400 Amperes	802-754-180	1	Performance Requirements — For J86584 (410A) Power Plant
802-681-160	3	(J86911) - 155A Power Plant — 48 Volts Negative, 0 Through 2400 Amperes	802-754-181	1	Performance Requirements — For J86465 (410B) Power Plant
802-7 POWER PLANTS — 200-, 300-, AND 400-TYPES			802-755-150	4	(J86864) - 412A Power Plant — Positive and Negative — 66 Cells, 130 Volts, 120 Amperes — Using Duct-Type Framework
300-Type			802-755-151	3	(J86865) - 412B Power Plant — Positive and Negative — 66-Cell, 130 Volts, 120 Amperes — Using Cabinet Framework
Add 802-726-150	2		802-755-160	4	(J86826) - 413A Plant — 70-Cell Float and Recharge Equipment for Motor-Alternator and Inverter Plants
802-726-150	4	(J86434) - 302A Power Plant — 24 and 48 Volts, 0 to 10,000 Amperes DC	802-755-163	2	(J86892) - 414B — Position Operation — 59-Cell, 125 Volts, 10 Amperes — Using Cabinet Framework
802-726-151	1	(J86636) - 302B Power Plants — Negative 24 and 48 Volts — 0 to 10,000 Amperes	802-755-166	1	(J86875) - 415A Power Plant — +140 Volt DC Operation — 70-Cell Float and Recharge Equipment
802-726-180	3	Performance Requirements — For J86434 (302A) Power Plant — 24 Volts, 0 to 10,000 Amperes — 48 Volts, 100 to 10,000 Amperes	802-755-167	1	(J87132) - Power Equipment for 415A Power Plant
802-727-150	6	(J86874) - 326A Power Plant — Combined Positive 24 Volts and Negative 48 Volts — 0 to 10,000 Amperes	802-757-150	11	(J86578) - 420A Power Plant — For Auxiliary Repeater Stations With AC Power Service — 152 Volts, 30 Amperes DC — 55 and 60 Volts AC
802-727-151	2	(J86896) - 326B Power Plant — Combined Positive 24 Volts and Negative 48 Volts — 0 to 6000 Amperes	802-759-150	9	(J86443) - 425A Power Plant — AC Service Equipment — For 12, 24, 130, and 250 Volt Power Plants
400-Type			802-759-151	8	(J86439) - 425 A Power Plant — Filament Supply — -12 Volts, 60 to 800 Amperes
Add 802-751-150	1		802-759-152	3	(J86832) - 425A Power Plant — Filament Supply — -12 Volts, 60 to 1600 Amperes
802-751-150	2	(J86577) - 403A Power Plant — 130 Volts, 0.1 to 0.6 Ampere DC	802-759-153	1	(J86435) - 425A Power Plant — Plate and Filament Supplies — -12, -24, +130, and +250 Volts
Add 802-751-152	1		Add 802-759-154	1	
802-751-152	3	(J86436) - 403C Power Plant — 130 Volts, 0.18 Ampere DC	802-759-154	6	(J86437) - 425A Power Plant — Plate Supply — 130 Volts, 0.5 to 20 Amperes DC
802-751-180	1	Performance Requirements — For J86577 (403A) Power Plant — 130 Volts, 0.6 Ampere			
802-751-181	1	Performance Requirements — For J86592 (403B) Power Plant — 125 or 130 Volts, 0.1 Ampere			

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802-759-155	5	(J86438) - 425A Power Plant — Plate Supply — 250 Volts, 0.5 to 20 Amperes	802-804-181	1	Performance Requirements — For J86426 (505C) Power Plants — Using Motor- Alternators for Stand-By Supply
802-759-156	4	(J86837) - 425A Power Plant — +250 Volts, 0.5 to 20 Amperes DC	802-804-182	1	Performance Requirements — For J86426 (505C) Power Plant — Using Motor- Alternator Continuously
802-759-160	2	(J86452) - 425B Power Plant — Plate and Filament Supplies — 12-, 24-, 130-, and 250-Volt Power Plants	802-804-183	1	Performance Requirements — For J86426 (505C) Power Plant — Auxiliary Charging Equipment
802-759-161	4	(J86450) - 425B Power Plant — Plate and Filament Supplies — -12 Volts, 22 Amperes DC — +130 Volts, 0.65 Ampere DC — +250 Volts, 0.35 Ampere DC	802-804-184	2	Performance Requirements — For J86447 and J86448 (505D) Power Plants
802-759-162	1	(J86449) - 425B Power Plant — Plate Supply — 130 Volts, 0.5 to 5 Amperes DC — With 30 Ampere Charge Signal Supply	802-805-150	10	(J86724) - 506A Power Plant — 12 Volts, 0.1 KVA AC — 20 or 22 Volts, 0.25 and 0.75 KVA AC — 22 Volts, 50 VA, 0.5 and 1.5 KVA AC
802-759-180	3	Performance Requirements — For J86439 (425A) Power Plant — Filament Supply — -12 Volts, 800 Amperes	802-806-186	3	Performance Requirements — For J86476 (508A) Power Plant — Continuous 230 Volts AC
802-759-181	3	Performance Requirements — For J86437 (425A) — Plate Supply — 130 Volts, 20 Amperes	802-810-150	2	(J86840) - 520A — Continuous 230 Volt AC Power
802-759-182	3	Performance Requirements — For J86438 (425A) Power Plant — Plate Supply — 250 Volts, 20 Amperes	802-810-180	2	Performance Requirements — For J86840 (520A) Power Plant — 230 Volts AC
802-759-186	1	Performance Requirements — For J86450 (425B) Power Plant — 12 Volts, 22 Amperes — 130 Volts, 0.65 Ampere — 250 Volts, 0.35 Ampere	802-811-150	2	(J86854) - 521A Power Plant and Combination 505D and 521A Power Plants — L3 Carrier Inverter Plant
802-759-187	1	Performance Requirements — For J86449 (425B) Power Plant — Plate Supply — 130 Volts, 5 Amperes — With 30-Ampere Charge Signal Supply	802-811-185	1	Performance Requirements — For J86447 and J86854 (521A) Power Plants — L3 Carrier Inverter Plant
802-760-150	5	(J86442) - 426A Power Plant — ±130 Volts, 0.5 to 40 Amperes	802-813-150	5	(J86641) - 523A Power Plant — AC Power Plant With Automatic Transfer From Regular to Reserve Supply — 1.5 kW, 117 Volts, Single-Phase
802-760-180	1	Performance Requirements — For J86442 (426A) Power Plant — ±130 Volts, 0.5 to 40 Amperes	802-813-180	3	Performance Requirements — For J86641 (523A) or J86642 (524A) Power Plant — General Purpose Inverter Plant With Regular and Reserve Supply
802-8 POWER PLANTS — 500-, 600-, AND 700-TYPES			802-814-150	4	(J86642) - 524A Power Plant — AC Power Plant With Automatic Transfer From Regular to Reserve Supply — 5 kW, 117 Volts, Single-Phase
500-Type			802-815-160	1	(J86651) - 526A Power Plant — AC Power Plant With Automatic Transfer From Regular to Reserve Supply — 8.0 KW, 120 Volts, Single-Phase
802-801-150	8	(J86527) - 501A Power Plant — For Busy or Idle Line Indicating Lamps — 5 to 8.5 Volts, 59 Amperes AC	600-Type		
802-802-161	10	(J86617) - 504B Power Plants — Emergency AC Supply Units — 208/120 Volts, 1.85 and 6.25 KVA AC	Add 802-852-150	1	
802-802-186	1	Performance Requirements — For J86611 (504A) Power Plant — 110, 115, and 230 Volts	802-852-150	5	(J86497) - 610A Power Plant — DC-to-DC Converter — Positive or Negative — 130 Volts, 3.0 Amperes Output — -48 Volt Input
802-802-187	3	Performance Requirements — For J86617 (504B) Power Plant	Add 802-852-151	1	
Add 802-804-154	1		802-852-151	6	(J86801) - 601B Power Plant — ±120 and ±130 Volts, 0.75 Ampere
802-804-154	6	(J86448) - 505D Power Plant — L3 Carrier 2-Motor Alternator Equipment — 230 Volts, 10 and 16 KVA AC			

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802-852-152	1	(J86803) - 610C Power Plant — -24 Volts, 5 Amperes DC	Add 802-865-153	1	
802-852-153	6	(J86807) - 610D Power Plant — 48 Volts, 1.5 Amperes DC	802-865-153	5	(J86884) - 660C Power Plant — Using DC-to-DC Converters — +130 Or -130 Volts Output — -48 Volts Input — 9-Foot Duct Framework
802-852-154	1	(J86901) - 610F Power Plant — Negative 48-Volt DC to Positive 65-Volt DC — 3-Ampere Converter	802-865-161	1	(J86905) - 662A Converter Power Plant for Dial-Tone-First Operator Coin Trunks and Miniaturized Dial Long Lines Circuits
Add 802-854-160	1		802-865-162	1	(J86912) - 663A Converter Power Plant for Coin Control Circuits
802-854-160	1	(J86894) - 620A Plant — Using DC-to-DC Converters — 24 Volts, 600 Amperes Output — 140 Volts Input	802-865-163	1	(J86913) - 663B Converter Power Plant for Coin Control and T1 Carrier Circuits
802-854-162	2	(J86922) - 620C Converter Frame — DC-to-DC Regulated — 24-Volt, 0- to 300-Ampere Output — +140-Volt Input	802-865-164	2	(J86914) - 663C Converter Power Plant for T1 Carrier Circuits
802-854-163	2	(J86925) - 620C Power Plant — DC-to-DC Regulated — 24-Volt, 0- to 600-Ampere Output on Each of Two Buses — 140-Volt Input	802-865-166	1	(J86920) - 664A Converter Power Plant — General Use Plant
802-855-165	2	(J86898) - 625A — Using DC-to-DC Converters — 48 Volts, 300 Amperes Output — 140 Volts Input	802-866-152	2	(J86880) - 671A Power Plant — +48V or -48V DC, 16.0 Amperes Output — -24V DC Input
Add 802-855-166	1		802-866-153	3	(J87811) - 672A Power Plant — +24V DC, 48.0 Amperes Output — -24V DC Input
802-855-166	1	(J86903) - 625B Power Plant — DC-to-DC Regulated — 48-Volt, 0- to 300-Ampere Output — 140-Volt Input	802-866-157	1	(J86915) - 673A Converter Power Plant for C1 Alarm and Miscellaneous Equipment in TD-2 Radio Bays
802-855-167	2	(J86923) - 625C Converter Frame — DC-to-DC Regulated — 48-Volt, 0- to 300-Ampere Output — +140-Volt Input	802-866-158	2	(J86921) - 673B Converter Power Plant for Equipment in TD-2 Radio Bays
802-855-168	2	(J86926) - 625C Power Plant — DC-to-DC Regulated — 48-Volt, 0- to 600-Ampere Output on Each of Two Buses — 140-Volt Input	802-867-150	3	(J86891) - 680A Power Plant — 0- to 1150-Volt, 910-Milliampere DC Output — -24 Volt DC Input
802-855-170	1	(J86907) - 625F Power Plant DC-to-DC Regulated — 48-Volt, 0- to 1800-Ampere Output — 140-Volt Input	802-867-151	1	(J86899) - 680B Power Plant — 0- to 1150-Volt, 835- and 910-Milliampere DC Output — +140 Volt DC Input
802-857-150	2	(J86900) - 630A Power Plant — Using DC-to-DC Converters — 24 Volts, 300 Amperes and — 48 Volts, 150 Amperes Output — 140 Volts Input	802-867-156	1	(J86904) - 681A Converter Power Plant for TD2 Radio
Add 802-862-150	1		700-Type		
802-862-150	6	(J86809) - 651A Power Plant — Using DC-to-DC Converters — ±130 Volts, 2 and 5 Amperes DC	Add 802-871-150	1	
802-865-150	5	(J87309) - 660-Type Power Plant — Using DC-to-DC Converters — ±130 Volts Output, 48 Volts Input	802-871-150	3	(J86475) - 702C Power Plant — ±125 to ±135 Volts, 50 to 1000 Amperes DC
Add 802-865-151	1		802-871-180	2	Performance Requirements — For J86475 (702C) Power Plant — 130 Volts, 50 to 1000 Amperes
802-865-151	5	(J86882) - 660A Power Plant — Using DC-to-DC Converters — +130 or -130 Volts Output — -48 Volts Input — 7-Foot Duct Framework	802-872-186	1	Performance Requirements — For J86583 (704B) Power Plant
Add 802-865-152	1		802-872-187	1	Performance Requirements — For J86590 (704C) Power Plant
802-865-152	5	(J86883) - 660B Power Plant — Using DC-to-DC Converters — +130 or -130 Volts Output — -48 Volts Input — 7-Foot Cabinet Framework	802-874-150	8	(J86827) - 708A Power Plant — ±130 Volts, 1000 Amperes

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802-9 POWER PLANTS — 800- AND 900-TYPES			802-904-162	4	(J86829) - 807D Power Plants — Dial Tone Supply and Signaling Equipment for Use With Touch-Tone Dial Tone — 350 and 440 Hertz — 1.2 to 23 Volts, 1 and 35 Volt-Amperes
800-Type			802-904-163	1	(J86839) - 807E Power Plant — Tone Supplies for No. 1 TSPS Office — 30-, 60-, and 120-IPM Interrupter Loop Signaling — 0.18 Volt, 1 Volt-Ampere, 480/620 Cycles — 0.29 Volt, 1 Volt-Ampere, 480 Cycles — 0.36 Volt, 1 Volt-Ampere, 440/480 Cycles
	802-901-150	1 (J86458) - 801E Power Plant — 20 Cycle ± Continuous Ringing Supply — 105 Volts, 0.5 Ampere			
	802-901-156	5 (J86523) - 802B Power Plant — 1000 Cycle Ringing Machine Equipment			
Add	802-902-151	1 (J86555) - 803C Power Plants — 20-Cycle Machine Ringing Equipment — KS-15816 Ringing and Coin Control Machines — 84 to 88 Volts Ringing, 6 Amperes AC — 115 to 120 Volts Coin Control, 0.5 Ampere DC	802-904-164	2	(J87813) - 807F — Signaling Equipment — Touch-Tone Dial Tone — Power Supply
	802-902-151	9			
Add	802-902-157	1 (J86451) - 804C Power Plants — 20-Cycle Machine Ringing Equipment — 84 to 88 Volts, 1 Ampere	802-904-165	3	(J87814) - 807G — Signaling Equipment — Precise Busy-Tone Power Supply for Step-by-Step Offices
	802-902-157	5			
	802-902-158	2 (J86477) - 804D Power Plant — 20-Cycle Emergency Machine Ringing Equipment — KS-15532 Ringing Machine — 84 to 88 Volts, 1 Ampere	802-904-181	1	Performance Requirements — For J86596 (806D) Power Plant — Ringing and Signaling
	802-902-181	2 Performance Requirements — For J86555 (803C) Power Plant	802-904-182	1	Performance Requirements — For J86445 (806E) Power Plant
	802-902-186	1 Performance Requirements — For J86451 (804C) Power Plant — Ringing and Signaling	802-904-183	1	Performance Requirements — For J86456 (806F) Power Plant — Ringing and Signaling
	802-903-181	1 Performance Requirements — For J86428 (805C) Power Plant	802-905-155	7	(J87801) - 812A Power Plant — Ringing and Tone Power Plant — For No. 1 ESS Offices
Add	802-904-151	2 (J86596) - 806D Power Plants — 20-Cycle Machine Ringing Equipment — KS-5546 Ringing Machines — 72 to 88 Volts, 0.25 Ampere — 75 to 110 Volts, 0.5 Ampere — 84 to 88 Volts, 0.5 Ampere	Add 802-906-150	3	(J86834) - 808A Plant — Ringing and Tone Power Plant for 1 ESS TM Offices
	802-904-151	9	802-906-150	9	
	802-904-152	5 (J86445) - 806E Power Plant — Machine Ringing Equipment — 84 to 88 Volts, 0.25 Ampere — 94 to 101 Volts, 0.25 Ampere — 102 to 110 Volts, 0.25 Ampere	802-908-160	2	(J87822) - 820A — Ringing, Tone, and Interrupter Power Plant for No. 4 ESS Toll Offices
Add	802-904-153	3 (J86456) - 806F — 20-Cycle Machine Ringing Equipment — 84 to 88 Volts, 0.25 Ampere — 90 to 120 Volts, 0.1 Ampere — 94 to 101 Volts, 0.25 Ampere — 102 to 110 Volts, 0.25 Ampere	802-910-150	1	(J87803) - 831A Power Plant — Ringing and Tone Equipment — Static Ringing and Transistor Tone Generators — For No. 2 ESS 4-Wire Offices
	802-904-153	4	802-915-150	4	(J87804) - 841A Plant — Ringing and Tone Power Plant — For No. 2 ESS Offices
Add	802-904-154	1 (J86472) - 806G Power Plants — 20 Cycle Machine Ringing Equipment — KS-15804 Ringing Machines — 65 to 90 Volts, 0.25 Ampere	802-921-150	2	(J87807) - 852A Power Plant — Ringing and Tone Power Plant — For No. 5 Crossbar Offices
	802-904-154	4	802-922-150	2	(J87809) - 853A Power Plant — Ringing and Tone Power Plant — For No. 5 Crossbar Offices
Add	802-904-155	1 (J86815) - 806H Plant — Ringing and Tone Equipment — Static Ringing and Transistor Tone Generators for 1 ESS TM Offices	802-925-150	1	(J87820) - 856A Power Plant — Ringing, Tone, and Interrupter Power Plant for No. 4A Toll and Crossbar Tandem Offices
	802-904-155	8	802-926-150	1	(J87821) - 857A Power Plant — Ringing, Tone, and Interrupter Power Plant for No. 4A Toll and Crossbar Tandem Offices
	802-904-160	2 (J86816) - 807B Power Plants — Call Progress Tone Equipment — Transistor Tone Generators and Rotary Interrupters	802-930-155	1	(J87812) - 861A Power Plant — Ringing and Tone Power Plant — For No. 1, 350A and 355A Step-by-Step Offices

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802-931-150	2	(J87810) - 862A Power Plant — Ringing and Tone Power Plant — For No. 1 and 350A Step-by-Step Offices	802-963-181	1	Performance Requirements — For J86625C (900-Type) Power Plant — Automatic Control
802-932-150	3	(J86881) - 863A — Ringing and Tone Power Plant — For No. 1 and 350A Step-by-Step Offices	802-963-182	1	Performance Requirements — For J86620 (900-Type) Power Plants
802-938-150	1	(J87819) - 871A Ringing Power Plant — ± 105 Volt Continuous Ringing	802-963-183	2	Performance Requirements — For J86614 (900-Type) Power Plants
802-939-150	1	(J87808) - 872A Ringing Power Plant — 105V Continuous Ringing	Add 802-964-152	1	
802-940-150	2	(J86855) - 873A Power Plant — 20 Cycle, ± Continuous Ringing — 105 Volts, 5 Amperes	802-964-152	2	(J86842) - 900-Type Power Plants — Automatic Diesel Engine-Driven Alternators — 208 to 240 Volts, 115 KW — 3-Phase, 4-Wire, 1800 RPM
802-943-150	1	(J87824) - 881A Miscellaneous Power Frame and the Ringing, Tone, and Cadence System — For No. 3 ESS Offices	802-964-153	6	(J86841) - 900-Type Power Plants — Automatic Diesel Engine-Driven Alternator Plants — 30-115 Kilowatts, 208 to 240 Volts, 75-115 Kilowatts, 416 to 480 Volts, 3-Phase, 4-Wire, 1800 RPM
802-943-151	1	(J87825) 881B Miscellaneous Power Frame and the Ringing, Tone, and Cadence System for No. 3 ESS Offices	802-964-154	3	(J86645) - Manual Diesel Engine-Driven Alternator Plants — 30-115 Kilowatts, 208 to 240 Volts and 75-115 Kilowatts, 416 to 480 Volts, 3-Phase, 4-Wire, 1800 RPM
900-Type — General			Add 802-964-155	1	
802-950-152	1	(J86632) - 900-Type Power Plants — Method for Determining Motor Starting Capacity — Of Engine-Alternators	802-964-155	1	(J86647) - 900-Type Power Plants — Manual Diesel Engine-Driven Alternator Plants — 115 KW, 208 to 240 Volts, 3-Phase, 4-Wire, 1800 RPM
900-Type — Gasoline Plants			802-964-156	4	(J86657) - 900 Type Power Plants — Diesel-Engine-Driven Alternator — 24 or 28 Kilowatts, 208-240V, 60 Hz, 3φ, 4 Wire — 24 or 28 Kilowatts, 230-240V, 60 Hz, 1φ, 3 Wire — 40 Kilowatts, 208-240V, 60 Hz, 3φ, 4 Wire — 40 Kilowatts, 230-240V, 60 Hz, 1φ, 3 Wire
802-956-180	2	Performance Requirements — For J86618 (900-Type) Power Plants — Automatic or Manual Control	802-964-157	2	(J86659) - 900-Type Power Plants — Diesel-Driven Alternator — 12 and 20 Kilowatts, 230-240 Volts, — 1.0 Power Factor, 60 Hertz, 1-Phase, 3-Wire
802-956-181	1	Performance Requirements — For J86618J and J86618K (900-Type) Power Plants — Automatic Control	802-964-180	1	Performance Requirements — For J86628 (900-Type) Power Plants
900-Type — Diesel Plants			802-964-181	1	Performance Requirements — For J86629 (900-Type) Power Plants
802-961-151	1	(J86627) - 900-Type Power Plants — Stationary Diesel Engine-Driven Alternator — 208 to 240 and 416 to 480 Volts, 500 KW — Automatic and Manual Control — General Information	802-964-183	2	Performance Requirements — For J86842 (900-Type) Power Plants — Automatically Controlled
802-961-180	2	Performance Requirements — For J86633 (900-Type) Power Plants — Manual Control	802-964-184	2	Performance Requirements — KS-22344 Diesel-Engine Alternator — 40-KW and 24-KW Plant (J86657)
802-961-181	2	Performance Requirements — For J86633 (900-Type) Power Plants — Automatic Control	Add 802-965-150	1	
802-961-182	3	Performance Requirements — For J86627 (900-Type) Power Plants — Manual Control	802-965-150	2	(J86631) - 900-Type — Stationary Diesel Engine-Driven Alternator — Automatic and Manual — 208 to 240 or 416 to 480 Volts, 225 KW — 3-Phase, 60 Cycles
802-961-183	2	Performance Requirements — For J86627 (900-Type) Power Plants — Automatic Control	802-965-180	2	Performance Requirements — For J86631 (900-Type) Power Plants — Manual Control
802-963-180	1	Performance Requirements — For J86625 (900-Type) Power Plants — Automatic or Manual Control			

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802-965-181	2	Performance Requirements — For J86631 (900-Type) Power Plants — Automatic Control	802-981-150	1	(J86646) - 900-Type Power Plants — Automatic Reserve Power Plants — 480 or 4160 Volts, 2.1 to 7.5 Megawatts
900-Type — Engine Alternator Plants			802-981-151	1	(J86740) - System Control Bay for Parallel Stand-by Alternators
Add 802-980-150	2		<hr/>		
802-980-150	4	(J86838) - 900-Type Power Plants — Stationary Gas Turbine Engine-Driven Alternator — 208, 230, 240, 480, or 4160 Volts, 750KW — Manual and Automatic Control	DIVISION 804 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — TOLL SYSTEMS		
Add 802-980-151	1		<hr/>		
802-980-151	4	(J86637) - 900-Type Power Plants — Gas Turbine Engine-Driven Alternator — 208 to 240 and 416 to 480 Volts, 200 KW — 3-Phase, 60 Cycles	804-0 Index, General Information, and Miscellaneous Equipments		
802-980-152	2	(J86644) - 900-Type Power Plants — Gas-Turbine Engine-Driven Alternator — 480 and 4160 Volts, 2100 and 2500 KW — 3-Phase, 60 Hz	-1 Program Transmission and Radio Telephone		
802-980-153	3	(J86653) - 900-Type Power Plants — Stationary Gas Turbine Engine-Driven Alternator — 208, 230/240, 480, or 4160 Volts, 900 KW (Peak)/750 KW (Base) — Manual and Automatic Control	-3 Microwave Radio		
802-980-154	1	(J86654) — 900-Type Power Plants — Gas Turbine Engine-Driven Alternator — 208 to 240 and 416 to 480 Volts, 435 to 500 KW 3-Phase, 60 Hz	-6 Carrier		
802-980-155	1	(J86655) — 900-Type Power Plants — Gas Turbine Engine-Driven Alternator — 480 Volts and 4160 Volts, 1250 to 1500 KW 3-Phase, 60 Hz	-9 Test Equipment		
802-980-180	1	Performance Requirements — For J86838 (900-Type) Power Plants — Manual Control	804-0 INDEX, GENERAL INFORMATION, AND MISCELLANEOUS EQUIPMENTS		
802-980-181	1	Performance Requirements — For J86838 (900-Type) Power Plants — Automatic Control	● ♦ 804-000-000 96 Numerical Index — Division 804 — Equipment Design and General Equipment Requirements and Engineering Information — Toll Systems		
802-980-182	1	Performance Requirements — KS-19896 Gas Turbine Engine-Alternator — 200-KW Plant (J86637)	Specifications		
802-980-183	2	Performance Requirements — KS-20542 Gas Turbine Engine-Alternator — 200kW Plant (J86637)	804-001-150	5	(J67002) — Distributing Frame — 11'-6" High — Jacks, Protectors, or 8" Terminal Strips on Vertical Side — 8" Terminal Strips Mounted Vertically on Horizontal Side
802-980-184	1	900-Type Power Plants — KS-22673 Gas Turbine Engine Alternator — 900 KW (Peak)/750 KW (Base) Plant J86653 — Performance Requirements	804-001-151	3	(J67001) — Distributing Frames — Protector Frames
802-980-185	1	Performance Requirements — KS-20460 Gas Turbine Engine-Alternator — 2100kW and 2500-kW Plants (J86644)	804-001-152	6	(J61401) — Miscellaneous Intertoll Trunks and Associated Equipments — Relay Rack Units (Also numbered 814-522-150)
802-980-186	1	Performance Requirements — KS-21264 Gas Turbine Engine-Alternator — 435 to 500-kW Plants (J86654)	804-001-153	7	(J68631) — Toll Conference Unit and Repeater Bay Equipment and Associated Trunk Units
802-980-187	1	Performance Requirements — KS-21879 Gas Turbine Engine-Alternator — 1250 to 1500 kW Plants (J86655)	804-001-154	3	(J68803) — Patching Trunk Bay Equipment and Tandem Patching Trunk Bay Equipment
			804-001-155	1	(J68896) — Tandem Patching Bay for Spare Equipments and Patching Trunks for 4-Wire and 6-Wire VF Circuits
			804-001-156	2	(J68897) — 4-Wire Order Circuits
			804-001-157	10	(J68612) — Telephone Order Wire and Telegraph Test Wire Equipment — Toll and Telegraph Systems
			804-001-158	5	(J68648) — Signaling — Sequence Signaling and Telephone Order Wire Equipment
			804-001-159	4	(J68814) — Signaling — Sequence Signaling — Transmitting, Receiving and Translating Equipment
			804-001-161	3	(J68657) — Toll Conference Service — Multipoint Conference Bridge

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804-003-150	14	(J68606) — Echo Suppressor Equipments	Performance Requirements		
804-003-151	11	(J68605) — Echo Suppressors and Associated Testing Equipment	804-020-180	3	1600- or 2000-Cycle Single-Frequency Signaling Circuits SD-55954-01 and SD-55954-02
804-003-152	5	(J68881) — 3A and 3B Echo Suppressor	804-020-181	2	1600- or 2000-Cycle Supply Circuit SD-55962-01
Add 804-003-155	2		804-020-182	2	1600- or 2000-Cycle Single Frequency Signaling Circuit SD-56202-01
804-003-155	4	(J68914) — 4A Echo Suppressor Bay	804-020-183	1	1600- or 2000-Cycle Supply Circuit SD-56239-01
Add 804-003-160	1		804-020-184	2	2400- or 2600-Cycle Supply Circuit — J68602CM Oscillator Circuit — J68602CN Transfer Circuit
804-003-160	2	(J68658) — 58-Type Echo Suppressor Measuring System — No. 1A, 2, 3, and 4 Echo Suppressors	804-020-185	4	2400- or 2600-Cycle Single-Frequency Signaling Circuit and Network Circuit
804-004-150	4	(J68628) — Repeater and Line Equipment — Associated With Telephotograph	804-020-186	1	2400- or 2600-Cycle Single-Frequency Signaling Circuit SD-56202-02
804-004-151	6	(J68643) — Voice-Frequency Telephone Repeaters for Use at L1 and L3 Carrier Auxiliary Repeaters	804-020-190	2	Ringers and Signaling Circuits and Associated Equipment
804-004-153	8	(J68635) — V1 and V2 Telephone Repeaters and Associated Equipment	804-021-180	1	Frequency Indicator and Alarm Circuits
804-004-154	5	(J68638) — A-C Operated V1 Telephone Repeater Application	804-021-181	2	Oscillators and Associated Amplifiers
804-004-155	5	(J68649) — V3 Telephone Repeater — Bay Equipments	804-021-182	1	Sequence Signaling and Order Wire Circuits for Use with TD2 Radio Relay Systems, C1 Alarm and Control Systems, Television Networks
804-004-156	5	(J68651) — V3 Telephone Repeaters and Voice Frequency Line Equipment for Voice Frequency and Carrier Applications	804-021-183	4	Toll Conference Service Equipment
804-004-157	1	(J68656) — Tone Operated Control — Telephotograph System	804-021-184	1	J68612E Four Wire Telephone Order Wire Bridging Arrangements
804-005-150	4	(J68777) — 1A Compondor	804-021-185	1	Network and Network Jack Units J68624
804-007-150	8	(J68811) — C1 Alarm and Control System	804-021-186	2	Crosstalk Tests on Newly Installed Repeating Coil Groups and Composite Sets Used in Cable Circuits
804-007-151	5	(J68804) — B1 Alarm and Control System	Add 804-021-192	1	
804-007-155	7	(J63004) — Alarm Trunk Equipment for Repeater Stations	804-021-192	1	Multipoint Conference Bridge
804-007-156	1	(J63005) — Maintenance Alarm Equipment	804-021-193	3	C1 Alarm and Control System — Alarm Sending and Receiving Circuits
804-007-157	2	(J68904) — Signal Converter for International Trunk Supervision	804-022-182	2	22A Type Telephone Repeaters and Associated Circuits
804-007-158	1	(J68957) — Unitized Analog Facility Terminal Equipment For CCITT No. 5 With Line Signaling Transceivers, Optional A6B Channel Banks, Optional Direct Formed Supergroup With Optional 2BX SMAS No. 3 Maintenance Connectors Arranged for 96 Circuits	804-022-186	1	Switched-In V1 Telephone Repeaters and Repeating Coil Hybrid Circuits with Associated Circuits at Non-Repeatered Terminals for Toll Switching System No. 4
804-007-160	2	(J68883) — Broadband Restoration — Order Wire Equipment	804-022-187	4	V1 Telephone Repeaters and Associated Equipment
♥ 804-007-161	1	(J68890) — Failure Display Equipment 4 Broadband Restoration	804-022-192	6	1A Echo Suppressor and Disabler
Add 804-007-162	1		♥ 804-022-193	1	2A Echo Suppressor
♥ 804-007-162	1	(J68891) — Control Console — Broadband Restoration	804-022-194	1	3A Echo Suppressor
♥ 804-007-164	1	(J68907) — Telemetry Printer for Broadband Restoration			

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804-022-195	1	3B Echo Suppressor	804-131-152	2	(J68325) — A2 Channel Shifter Panels
804-022-197	1	58-Type Echo Suppressor — Measuring System	804-131-153	1	(J68334) — B1 Channel Shifter Panels
804-022-198	1	Tone-Operated Control Circuit (SD-56524-01)	804-131-154	4	(J68326) — Vogad and Bypass Panels
804-023-180	2	1A Compressor and 1A Expander (1A Compandor)	804-131-155	2	(J68317) — B3 Privacy
Toll Terminal Equipment			804-131-156	2	(J68324) — A5 Privacy
804-050-150	2	(J68935) - Voiceband Interface — No. 4 ESS Interface	804-131-157	4	(J68364) — TV Program Switching — Switching Control Panel and Associated Relay Rack Equipment
804-050-151	2	(J68952) - Digroup Terminal	804-132-150	1	(J68375) — D1 Alarm and Control Circuit and Order Wire Circuit
804-050-153	4	(J68960) — Digital Interface	804-132-151	4	(J68379) — D2 Alarm, Control, and Order Wire System
804-050-157	1	(J68965) — Unitized Digital Facility Terminal — With D4 Channel Banks, CCITT — No. 5 Line Signaling Transceivers and 2BX Maintenance Connectors — For use in No. 4 ESS International Switching Centers	Performance Requirements		
804-1 PROGRAM TRANSMISSION AND RADIO TELEPHONE			804-150-180	5	C2 Control Terminal
Program Transmission			804-150-181	4	C4 Control Terminal
Specifications			804-150-182	2	E1 Control Terminal
804-101-150	2	(J68634) — Program Transmission Equipment for Switching of Program Circuits	804-150-183	1	J68320 G1 Control Terminal
804-101-151	12	(J68617) — Program Transmission Panels and Units	804-150-184	2	J68327 G2 Control Terminal
Performance Requirements			804-151-180	2	Third Channel Applique per J68323L and Associated Bridging Equipment for Radio Telephone Terminals
804-105-180	4	12C Program Amplifiers and Associated Equipment	804-151-181	2	Telegraph or Third Channel By-Pass Circuit for B1 or B2 Vogad
804-105-181	4	14C Program Amplifiers and Associated Equipment	804-151-187	2	D1 Alarm and Control Circuit and Order Wire Circuit
804-105-182	2	700A Volume Indicator	804-151-188	2	D2 Alarm and Control and Order Wire Circuit
804-105-183	1	754 Type Volume Indicators	804-152-180	1	A2 Channel Shifter Equipment for Radio Telephone Terminals
804-105-184	2	J64001G Volume Indicator	804-152-181	2	B1 Channel Shifter Equipment for Multichannel Single Sideband Radio Circuits
804-105-185	2	Open Wire Program Amplifiers and Associated Equipment	804-152-184	1	A2 Vogad Circuit
Radio Telephone			804-152-185	3	B2 Vogad Circuit
Specifications			804-152-189	1	Voice Frequency Amplifier J68312C for Radio Telephone Terminals
804-130-150	1	(J68328) — B4 Control Terminal	804-152-190	6	A1 Noise Reducer for Radio Telephone Terminals
804-130-153	4	(J68352) — Terminating Equipment	804-152-191	1	A2 Noise Reducer for Radio Telephone Terminals
804-130-154	1	(J68360) — Marine Service Transmitting Station for Use With Aeronautical Communications Equipment Incorporated — Radio Transmitter Model 446	804-152-193	5	A5 Privacy System for Radio Telephone Terminals
804-131-151	4	(J68312) — Voice Frequency Amplifiers	804-152-194	1	B3 Privacy Inverter

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804-3 MICROWAVE RADIO			804-307-150	2	(J68910) — Switch and Control Bays and Control Units for Broadband Switching
Miscellaneous and Common Equipment			804-308-150	2	(J68424) — 300A Protection Switching System
804-301-150	2	(J68388) — TD-to-TH and TH-to-TD IF Shifters	804-308-155	1	(J68429) — 400 Type IF Protection Switching Systems
804-301-180	1	IF Shifters — J68388A, B	804-308-180	2	Performance Requirements for the 300A Protection Switching System
804-302-150	2	(J68385) — Emergency Broadband — IF Restoration	804-308-185	1	Performance Requirements for the J68429AA Test Set — 400A Protection Switching System — Specialized Test Equipment
804-302-180	1	Emergency Broadband IF Restoration	804-308-187	2	Performance Requirements — 400B Protection Switching System
804-302-181	1	Broadband IF Restoration — IF Restoration Pilot Detector	804-308-188	1	Performance Requirements for the J68437B — 401B Protection Switching System
804-302-182	1	IF Restoration — J68385L Interconnecting Status and Control Panel for TD Automatic Protection Switching	804-308-190	1	Performance Requirements for the 401C Protection Switching Unit
804-302-183	1	IF Restoration — J68385M Interconnecting Status and Control Panel for the 100A Protection Switching System	804-309-150	1	(J68384) — Antennas, Passive Reflectors, and Radomes for Microwave Communication Systems
804-302-184	1	IF Restoration — J68385N Interconnecting Status and Control — Panel for TH Radio Protection Switching	804-309-151	3	(J68393) — Indoor — Waveguide Considerations
804-303-150	5	(J68381) — 100A Protection Switching System	804-309-152	2	(J68399) — Auxiliary Channel — General Requirements
Add 804-303-180	1		804-309-153	5	(J68383) — TD & TH Radio — 3-Type FM Terminal Equipment
804-303-180	6	Performance Requirements — 100A Protection Switching System — Transmitting IF Switch and Control Bay	804-309-154	5	(J68418) — 4- and 5-Type FM Terminal Equipment
804-303-181	8	Performance Requirements — 100A Protection Switching System — Receiving IF Switch and Control Bays	804-309-158	2	(J68451) — Toll Systems — Heterodyne Auxiliary Channel Equipment
804-303-182	3	100A Protection Switching System — Auxiliary Station IF Switch and Control Bay	804-309-180	1	3A FM Terminal Transmitter
804-303-183	3	Performance Requirements — 100A Protection Switching System — Local and Remote Controls, Indications, and Alarms	804-309-181	1	3A FM Terminal Receiver
804-303-184	1	100A Protection Switching System — Test Set	804-309-182	1	Performance Requirements — 4A FM Terminal Receiver
804-303-185	4	Performance Requirements — 100A Protection Switching System — Job Additions	804-309-183	1	Performance Requirements — 4A FM Terminal Transmitter
804-304-150	3	(J68398) — 200-Type Protection Switching System	♥ 804-309-184	2	Performance Requirements — Group Entrance Link — SD-50968-01 and ED-51390-1
804-304-180	1	200A Protection Switching System	804-311-150	1	1A-Radio Digital System Message Data Combining Units — Equipment Description Toll System
804-304-181	1	Performance Requirements — 200B Protection Switching System	Add 804-313-150	1	
804-305-150	2	(J68420) — 2A Restoration Switch	804-313-150	1	(J68436) — Protected Gain and Equalization Bay
804-305-180	1	Performance Requirements — 2A IF Restoration Switch	804-314-150	1	(J68445) — IF Entrance Link
804-306-150	4	(J68421) — Line Branching and Mastergroup Combining for Use With MMX-2 on Radio	804-325-150	4	(J68359) — Non-Western Microwave Radio Relay — Motorola Message Equipment — MR-10 — System Requirements

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804-325-151	3	(J68361) — Non-Western Microwave Radio Relay — Motorola Multiplex Equipment — Unit Requirements	804-330-188	3	Initiator Circuits for Regular and Protection Channels for TD Radio Automatic Switching
TD Radio			804-330-189	1	Initiator Test Set for TD Radio Automatic Switching
Specifications			804-330-190	2	Video Pilot Supply and Distribution Circuits for TD Radio Automatic Switching
804-330-152	7	(J68338) — IF and Video — Patching and Monitoring Equipment	804-330-191	1	IF Pilot Resupply Circuit for TD Radio Automatic Switching
804-330-153	3	(J68417) — Microwave Radio — IF Patch and Access, FM Terminals, FM Terminal Patching, and Associated Miscellaneous Equipment	804-330-192	1	Program Switching Circuits and Program Switching Control Circuits
804-330-154	6	(J68341) — Radio and Express Radio Order Circuit Equipment for Use With TD and TH Microwave Radio System	TD-2 Radio		
804-330-155	8	(J68342) — Alarm Equipment for Use With Major Route — Distribution Fuse, Individual, Audible, and Visual Alarms	Specifications		
804-330-156	4	(J68346) — Alarm Equipment for Use With Secondary Route TD Microwave Radio Systems — Distribution Fuse, Individual, Audible, and Visual Alarms	804-331-150	-	AA266.031, Iss 2 (J68339) — General Requirements
804-330-157	7	(J68350) — Automatic Switching — Switching Control Equipment	804-331-151	8	(J68331) — Transmitter-Receiver Bay
804-330-158	6	(J68351) — Automatic Switching — Auxiliary Station Switching and Control Equipment	Add 804-331-152	2	
804-330-160	2	(J68354) — Program and Terminal Maintenance Switching, Patching, and Monitoring for IF, Video, and Pilot Resupply Equipment for Automatic Switching	804-331-152	9	(J68330) — IF, Microwave, and Control Units
804-330-161	6	(J68344) — Remote Control Equipment for Controlling 223-Type Switches Over Metallic Loops or C1 Alarm System	804-331-153	4	(J68389) — Microwave Radio — Channel Equalization and Level Adjustment
804-330-162	4	(J68356) — Remote Control Equipment Using Sequence Signaling	804-331-154	1	(J68378) — IF Amplitude Equalization
804-330-164	5	(J68345) — Transmitter-Receiver Test Set	804-331-155	5	(J68349) — Automatic Switching — IF Switching Equipment
Performance Requirements			804-331-156	5	(J68382) — TD Microwave Radio — 1 x 5 — Automatic Protection Switching Equipment
804-330-180	2	FM Terminal Transmitter	804-331-157	-	AA266.037, Iss 5 (J68343) — Tube Cooling System
804-330-181	2	FM Terminal Transmitter — Tested With J68337H FM Terminal Test Set	Add 804-331-158	1	
804-330-182	2	FM Terminal Transmitter — Balanced Input	804-331-158	4	(J68368) — Outdoor Waveguide for Microwave Communication Systems
804-330-183	2	FM Terminal Receiver	804-331-159	3	(J68348) — General Requirements for Secondary Route Installations
804-330-184	1	IF and Video Monitoring and Patching Equipment	804-331-161	6	(J68337) — FM Terminal Test Set
804-330-185	1	Video Monitor Amplifier	804-331-162	-	AA266.036, Iss 6 (J68333) — Test Bench Equipment
804-330-186	1	IF Bridging Amplifier	804-331-163	5	(J68340) — TD-2 Radio Transmitter-Receiver Test Equipment and Microwave System Power Meter
804-330-187	4	Automatic Switching — Switching Control Circuits — Switching and Control Bay J68350A	<i>Formerly AA 266-034</i>		
			Performance Requirements		
			804-331-180	1	Over-all Radio System
			804-331-181	2	J68340A Transmitter-Receiver Test Bay
			804-331-182	10	TD-2 Transmitter-Receiver Bay — Tested With J68340A Test Bay
			804-331-183	2	J68345A Transmitter-Receiver Test Bay

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804-331-184	7	TD-2 Transmitter-Receiver Bay — Tested With J68345A Test Set
804-331-185	1	J68378B IF Amplitude Equalization Circuit
804-331-186	1	FM Terminal Test Set
804-331-187	2	J68337H FM Terminal Test Set
804-331-188	1	FM Terminal Receiver for TD Radio Tested With J68337H FM Terminal Test Set
804-331-189	2	TD2 Radio Automatic Switching Over-all Systems Tests
804-331-190	1	FM Terminal Transmitter Automatic Protection — Switching System Per SD-50449-01 for Baseband to IF Transmission Circuits — Connecting L-Type Multiplex to TD-2 Radio
804-331-191	1	J68382 FM Terminal Receiver — Protection Switching System — IF-to-Baseband Transmission Circuit — Connecting TD Microwave Radio to L-Type Multiplex
804-331-192	1	Visual Delay Set
804-331-193	3	J68333A Test Bench
804-331-194	1	RF Leakage

TD-3 Radio

Specifications

Add 804-332-150	1	
804-332-150	2	(J68386) — Transmitter-Receiver Bay
804-332-151	3	(J68392) — Transmitter-Receiver Test Set
Add 804-332-152	1	
804-332-152	3	(J68387) — Transmitter-Receiver Bay Components
804-332-153	2	(J68396) — TD-3/TH-3 Radio Systems — Test Bench Facility
Add 804-332-154	1	
804-332-154	1	(J68390) — Long Haul Microwave Radio Systems
804-332-155	2	(J68391) — Alarm Equipment for Use with TD-3 and TH-3 Microwave Radio Relay System — Distribution Fuse, Individual, Audible, and Visual Alarms

Performance Requirements

804-332-180	1	J68392A TD-3 Radio Transmitter-Receiver Test Set
804-332-181	3	J68386A and B TD-3 Transmitter-Receiver Bays
804-332-182	2	Station Audible, Visual, and Common Alarm Circuits
804-332-183	1	J68386G and H Transmitter-Receiver Bays

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TH Radio

Specifications

804-333-150	-	AA266.067, Iss 1 (J68401) — General Requirements
804-333-151	-	AA266.068, Iss 3 (J68402) — Broadband and Auxiliary Channel — Radio Transmitter and Receiver Equipment
Add 804-333-153	1	
804-333-153	3	(J68404) — Component Equipment
804-333-154	2	(J68406) — FM Terminal Equipment
804-333-155	3	(J68407) — Alarm Equipment for Use With TH-1 Radio Systems — Distribution Fuse, Individual, Audible, and Visual Alarms
Add 804-333-156	1	
804-333-156	3	(J68854) — Message Connecting Links
Add 804-333-157	1	
804-333-157	2	(J68409) — Automatic Protection Switching Bay Equipment
804-333-158	2	(J68410) — Automatic Protection Switching Equipment — Panels, Mountings, and Plug-In Units <i>Formerly AA266.082, Iss. 1; App. 1 through 6</i>
804-333-159	-	AA266.083, Iss 1 (J68411) — IF and Baseband Patching, Monitoring, Amplifier, Equalization Equipment, and Station Transmission Cabling
804-333-161	2	(J68405) — Transmitter-Receiver Test Set
804-333-162	2	(J68415) — Auxiliary Channel Test Set
804-333-163	2	(J68408) — TH Microwave Radio — FM Terminal Test Set
804-333-164	2	(J68412) — Protection Switching Test Set <i>Formerly AA266.084</i>
Add 804-333-166	1	
804-333-166	3	(J68848) — Maintenance Center — Test Equipment

Performance Requirements

804-333-180	5	Microwave Carrier Supply
804-333-181	3	TH Microwave Radio — Broadband and Auxiliary Channel Equipment — Auxiliary Channel Transmitter and Receiver
804-333-182	2	TH Auxiliary Channel Terminal
804-333-183	1	Transmitter-Receiver Test Set
804-333-184	7	Broadband Channel Radio Transmitter
804-333-185	3	Broadband Channel Radio Receiver
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804-333-187	2	J68406A FM Terminal Transmitter

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804-333-188	1	J68406K FM Terminal Receiver	804-334-186	1	Frequency Dplexed Auxiliary Channel
804-333-189	1	Message Connecting Links	TJ Radio		
804-333-190	1	TH Mop-Up Equalization Circuit	Specifications		
804-333-191	1	Main and Repeater Stations	Add 804-336-151	1	
804-333-192	1	J68412A Protection Switching Test Set	804-336-151	3	(J68371) — Transmitter-Receiver Bay
804-333-193	2	Automatic Protection Switching System — FM Terminal Switching — DC Reporting — IF-to-Baseband Switching for FM Terminal Receivers — Baseband-to-IF Switching for FM Terminal Transmitters — (J68409A, J68409B, and J68409D Bays)	804-336-152	3	(J68372) — Transmitter-Receiver Units
804-333-194	3	Automatic Protection Switching System — IF Switching Tone Reporting Section (J68409A and J68409C Bays)	804-336-153	3	(J68373) — Order-Wire, Alarm, and Control Bay
804-333-195	1	Protection Switching System — Automatic Exerciser	804-336-154	4	(J68374) — Diversity Switch and Transmission Unit
804-333-196	2	Maintenance Center Test Equipment	804-336-155	2	(J68376) — TJ Microwave Radio — Test Sets and Test Equipment — Testing and Maintenance
804-333-197	1	Tube Cooling System	Performance Requirements		
804-333-198	1	J68402N TH-1 Radio Broadband Channel Radio Receiver	804-336-180	2	Transmitter-Receiver Bay
TH-3 Radio			804-336-181	2	TJ Order-Wire, Alarm, and Control Bay for Use With TJ Radio D1 Alarm Systems — Including TJ/TM-1 Applications
Specifications			804-336-182	2	TJ Diversity Switch for Order-Wire, Alarm, and Control Bay for Use With TJ Radio D2 Alarm Systems — Including TJ/TM-1 Applications
804-334-150	2	(J68423) — Medium Haul — Terminal and Order-Wire and Alarm Equipment	804-336-183	2	Type A, Wire-Line Entrance Link Per SD-59459-02
Add 804-334-151	1		804-336-184	1	Wire-Line Entrance Link Per SD-50006-01 for Cable Lengths Between 2400 Feet and 7.9 Miles
804-334-151	1	(J68426) — Medium Haul System — General Equipment Design Requirements	804-337-180	3	TN-1 Microwave Radio — Transmitter-Receiver Panel
804-334-152	1	(J68422) — Frequency Dplexed — Auxiliary Channel	804-337-181	1	TN-1 Microwave Radio — Overall System
Add 804-334-153	1		AR6A Single-Sideband		
804-334-153	1	(J68913) — Transmitter-Receiver Bay Components	804-340-150	1	(J68449) — Transmitter-Receiver Bay and Transmitter-Receiver Support Bay
Performance Requirements			804-340-151	1	(J68450) — Transmitter-Receiver Bay and Transmitter-Receiver Support Bay Modules — AR6A Single-Sideband Radio
804-334-180	1	The J68912A and J68912B TH-3 Transmitter-Receiver Bays	804-340-152	1	(J68454) — Test Equipment — Transmitter-Receiver Bay and Transmitter-Receiver Support Bay
804-334-181	2	Auxiliary Channel Switching System — Main Station	804-6 CARRIER		
804-334-182	1	The Farinon FJ-00008D — Frequency Dplexed Auxiliary Channel Multiplex Circuits	Miscellaneous Equipments		
804-334-183	1	J68422C and J68422E Frequency Dplexed Auxiliary Channel System — Modulating/Demodulating Circuits	804-601-150	4	(J68738) — Carrier Drainage Coil Equipment
804-334-184	1	Frequency Dplexed Auxiliary Channel Switching System — Repeater Station	804-601-151	8	(J68746) — Miscellaneous Equipment for Main and Auxiliary Stations
804-334-185	1	TH-3 Medium Haul Radio	804-601-152	3	(J68876) — Restoration Patch Bays

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804-601-180	4	A1 and C1 Carrier Program Terminals and Connections to Group Circuits	804-604-180	2	J68909 Distribution Buses for the Primary Frequency Supply Used with Carrier Telephone Systems
804-601-181	5	Two Channel Bank Type EB	Add 804-604-181	1	
804-602-150	10	(J68733) — Broadband Carrier Telephone — 12-Channel Bank Equipment Type A1 (For "J", "K", and "L" Systems) — Group Terminal Equipment (For K1 Systems)	804-604-181	2	Performance Requirements — Independent 64- and 512-kHz Pilot Supplies and Distribution Circuit
804-602-151	10	(J68775) — Broadband Carrier Telephone — Carrier and Pilot Supply Panels	804-604-182	1	64-KHz Preamplifier and Distribution Circuit
804-602-152	5	(J68787) — Broadband Carrier Telephone Equipment — Type C1 or A1 (5- or 8-KC) or B1 (15-KC) or K Carrier Line Bridges — Carrier Program Transmission	K1 Carrier Specifications		
804-602-153	1	(J68790) — Broadband Carrier Telephone — A1 Transmission Alarm Equipment	804-624-150	6	(J68740) — Twist, Transmitting, Test, Program Transmitting or Auxiliary Switching Amplifier Panel; Auxiliary Receiving Amplifier Panel; Bulge and Slope Network Panel; and Associated Equipment
804-602-154	6	(J68799) — Broadband Carrier Telephone — Group Connectors and L1 Carrier Supergroup Connectors	804-624-151	4	(J68741) — 12-60 KC Line Amplifier for Use with 19 Gauge Non-Loaded Cable Circuits
804-602-155	5	(J68805) — H.F. Broadband Carrier Terminal — Group Branching and Bridging Equipment for 5 or 8 KC Carrier Program Transmission	804-624-152	7	(J68745) — Crosstalk Balancing Equipment
804-602-156	5	(J68832) — Broadband, C, H, N, and O Carrier Telephone — Voice-Frequency Channel Patch Bay Equipment	804-624-153	9	(J68773) — Type "K" and "L" Carrier Telephone — Carrier and Pilot Supply Bays
804-603-150	2	(J68833) — TD Radio — Types A, B, and C Wire Line Entrance Links and TJ Radio — Type A Wire Line Entrance Link	804-624-154	3	(J68776) — Transmission Regulation — Pilot Channel Control and Gain Deviation Limiter Equipment
804-603-152	4	(J68874) — Solid-State Wire-Line Entrance Links for Connection of L-Type Multiplex to Microwave Radio Systems	804-624-155	4	(J68778) — Type K and L Carrier Telephone — Amplifier-Rectifier Panels
804-603-153	3	(J68903) — Microwave Radio — 3 Wire-Line Entrance Link Equipment	804-624-156	3	(J68785) — Alarm Signal and Twenty Cycle Repeater and Associated Trunk Equipment
804-603-180	2	TD Radio Wire Line Entrance Link Per SD-59459-01 for Cable Lengths Less than 2400 Feet	804-624-157	2	(J68795) — Line Building Out Equipment
804-603-181	1	TD Radio Wire Line Entrance Link Per SD-59459-02 for Cable Lengths Less than 2700 Feet	Performance Requirements		
804-603-182	1	TD Radio Wire Line Entrance Link Per SD-59494-01 for Cable Lengths Exceeding 7.9 Miles	804-624-180	7	Terminal
804-603-183	1	TD Radio Wire Link Entrance Link Per SD-59527-01 for Cable Lengths between 2400 Feet and 7.9 Miles	804-624-181	9	Line and Twist Amplifiers and Associated Equipment
804-603-184	1	TD Radio Wire Line Entrance Link Per SD-59527-02 for Cable Lengths between 2400 Feet and 7.9 Miles	804-624-182	3	Line and Amplifier Switching Equipment
804-604-150	2	(J68909) — Primary Frequency Supply — Distribution	804-624-183	3	Deviation Regulator for Repeaters and Receiving Terminals
804-604-151	2	(J68911) — 64-KHz Independent Pilot Supply and Distribution Circuit	804-624-184	1	Double Sideband Program Terminal
			804-624-185	1	Connecting Circuit — K1 and K2 Carrier Telephone
			804-624-186	1	Manual Deviation Regulator — K1 Carrier Telephone
			804-624-187	3	Carrier Program Through and End Branching Circuits Using A1A, A1B, A1BS, C1A, C1B and C1BS Carrier Line Bridges
			804-624-188	2	A1CC, C1CC, and C1CT Carrier Program Line Bridges Using Single-Terminal Bridge with Receiving Selector Circuit
			804-624-189	6	42A Transmission Measuring System

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804-625-181	11	Carrier and Pilot Supply for K and L1 Carrier Telephone Systems	804-627-159	2	(J68937) — Order Wire Bay
804-625-182	1	B1 Carrier Program Terminal — K and L1 Carrier Telephone	804-627-160	1	(J68942) — Synchronization Distribution
K2 Carrier			Performance Requirements		
Specifications			804-627-180	1	J68798 Regulator Repair and Repeater Test Equipment
804-626-150	1	(J68844) — Equipment in Main Repeater and Terminal Stations	804-627-181	1	J68798B Modulation Test Set
804-626-151	6	(J68784) — Group Terminal Equipment	L1 Carrier		
804-626-152	7	(J68782) — Regular and Portable Line Amplifier and Associated Equalizer Equipment	Specifications		
804-626-153	4	(J68786) — Common Grid Battery Supply Equipment	804-628-150	2	(J68789) — Application Specification
804-626-154	6	(J68783) — Twist Amplifier Equipment	804-628-151	6	(J68771) — High-Frequency Switch Equipment
804-626-155	3	(J68788) — Carrier Line Switching and Test Pilot Supply Equipment	804-628-152	3	(J68797) — Terminal Test Oscillator Bay
804-626-156	6	(J68792) — Individual Alarm, Alarm Trunk, and Alarm Trunk Signaling Units	804-628-153	4	(J68798) — Maintenance Center Equipment
804-626-157	4	(J68793) — K1-K2 Junction Amplifier, and Auxiliary Amplifier for Use in Tandem With Twist Amplifier	804-628-154	2	(J68806) — Regulators
Performance Requirements			804-628-155	1	(J68808) — Line Amplifiers
804-626-180	9	Terminal	804-628-157	3	(J68807) — Television Line Equipment
804-626-181	4	Line Amplifiers and Associated Equipment	804-628-158	1	(J68825) — Repeater Activity Test Set
804-626-182	4	Twist Amplifiers and Associated Equipment	804-628-159	6	(J64053) — 53A Mobile Oscillator for Use
804-626-183	3	Line Switching Equipment	Performance Requirements		
804-626-184	4	Test Pilot Supply Equipment	804-628-180	5	12-Channel Bank Type A4 and Type A5 when Used With L1 and L3 Carrier Telephone
L Carrier			804-628-181	6	Amplifiers, Regulators, and Auxiliary Repeater Equipment
Specifications			804-628-182	6	Main and Terminal Repeater Equipment
804-627-150	8	(J68774) — Terminal Panels	804-628-183	1	J68798C Vacuum Tube Test Set Equipment
804-627-151	9	(J68768) — Repeater Panel Equipment	804-628-184	2	Carrier Program Terminal Associated With B2 and C2 Television Terminals
804-627-152	9	(J68770) — Repeater Bay Equipment	804-628-185	5	Group Branching and Bridging Circuits and 5 KC Program Bypass Circuits for Use With Carrier Program Transmission
804-627-153	10	(J68772) — Group and Supergroup Terminal Bays	804-628-186	5	Television Branch, Terminal Line, and Dropping Circuits
804-627-154	5	(J68801) — Supergroup Blocking Equipment	804-628-187	3	B2 (Transmitting) Television Terminal
804-627-155	5	(J68791) — Equipment for Auxiliary and Equalizing Auxiliary Repeater Stations	804-628-188	2	B3 Transmitting Television Terminal Using Automatic Switch SD-59704-01
804-627-156	9	(J68769) — Miscellaneous Maintenance and Testing Equipment	804-628-189	3	C2 (Receiving) Television Terminal
			804-628-190	3	C3 Receiving Television Terminal — Using Automatic Switch SD-59704-01

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804-629-150	4	(J68829) — L3 Supergroup Bank — L3 Master Group Bank — Associated Carrier Supplies and High-Frequency Patching Equipment
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804-629-152	2	(J68822) — Pilot Indicator Panel and Pilot Alarm Unit
804-629-153	3	(J68816) — Amplifiers
804-629-154	4	(J68817) — Regulators
804-629-155	4	(J68821) — Filament and Bias Supply
804-629-156	5	(J68836) — Gain Equalizer and Computers
804-629-157	5	(J68820) — L3 or L4 Carrier — Automatic Line Switching
804-629-158	4	(J68818) — Transmission Panel — Equipment
Add 804-629-159	1	
804-629-159	5	(J68830) — Main Repeaters
804-629-160	4	(J68823) — Main and Equalizing Auxiliary Repeaters — Cable Terminating Panels — Equipment
804-629-161	7	(J68819) — Auxiliary and Equalizing — Auxiliary Repeaters
804-629-162	6	(J68815) — L3 Carrier-Power Supply Equipment Units for Use at Repeaters Operating on Power Received Over Coaxial Cable
804-629-163	3	(J68837) — Transmission Measuring — Cosine Equalizer Adjustment Set
804-629-164	5	(J68827) — Testing Equipment
804-629-165	1	(J68869) — Phase Difference Measuring Set
804-629-166	6	(J68835) — Amplifier and Regulator Test Set
804-629-167	2	(J68839) — Thermistor Control Sets for Testing and Maintenance
Performance Requirements		
804-629-180	3	L3 Carrier Telephone Terminal — Submaster and Master Group Equipment
804-629-181	6	L3 Carrier Telephone Terminal — Carrier and Pilot Supply Equipment (Including Installations Having Only Emergency Pilot Supply Equipment)
804-629-182	3	Amplifier and Regulator Test Circuit
804-629-183	3	Automatic Line Switching for L3 and L4 Carrier
804-629-184	1	Equalizing, Switching, and Terminal Main Repeater Equipment

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804-629-185	1	Transmission Bay and Television Dropping Bay at Equalizing Auxiliary Repeaters
L4 Carrier		
Specifications		
804-630-150	5	(J68877) — Carrier Telephone — L4 Coaxial System
Add 804-630-151	1	
804-630-151	4	(J68882) — Mastergroup Multiplex 2 (MMX-2) Terminal — MMX-2C for L4 Coaxial Systems — MMX-2R for TH-1, TD-1, and TD-3 Radio Systems
Add 804-630-152	1	
804-630-152	2	(J68895) — L4 Remote Control Center and Loop-Back Equipment
804-630-153	2	(J68906) — Repeater Test Set and L4S Repeater Test Stand
Time Assignment Speech Interpolation (TASI)		
Add 804-630-154	2	
804-630-154	1	(J68918) — Supergroup Distributing Terminals
♥ 804-630-155	2	L Carrier Mastergroup — Digital Terminal Equipment (LMD)
804-630-156	3	(J68953) — Mastergroup Translator Equipment
L5 Carrier		
Specifications		
804-631-150	2	(J68923) — Main Station Line Equipment — Test Stand and Warm-Up Rack ED-51487
804-631-151	2	(J68919) — L5/L5E Carrier System
804-631-152	3	(J68934) — Jumbogroup Frequency Supply — JMX/L5 Carrier or MGMT-C/L5E Carrier
804-631-153	2	(J68922) — L5/L5E Carrier — Transmission Surveillance System
804-631-154	3	(J68921) — L5/L5E Carrier — Line Protection Switching System (LPSS-3)
Add 804-631-155	1	
804-631-155	1	(J68936) — L5 Carrier — Equalizer Adjustment Unit
804-631-156	2	(J68931) — Basic Jumbogroup Trunk Bay
804-631-157	1	(J68920) — Jumbogroup Multiplex (JMX) Terminal for L5 Coaxial Systems
804-631-158	3	(J68938) — Restoration Trunk Bay for JMX-L5 Systems or L5E Systems
804-631-159	1	(J68940) — Bell System Reference Frequency Standard

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Add 804-631-160	1		Add 804-639-155	1	
804-631-160	2	(J68955) — Multimastergroup Translator for Cable Systems (MMGT-C)	♥ 804-639-155	1	(J68925) — Circuit Pack Test Set and Associated Equipment — TASI B Switching System
804-631-161	1	(J68958) — L5/L5E Carrier — Equipment Design Requirements — Toll Systems	♥ 804-639-160	1	TASI-E System Frame — Equipment Description
Submarine Cable — Terminal			♥ 804-639-181	2	(J68963A) — TASI-E International Time Assignment Speech Interpolator Type E — Performance Requirements
♥ 804-637-150	3	(J68900) — SF Submarine Cable System — Terminal Stations	L Type Multiplex Specifications		
♥ 804-637-151	5	(J68901) — SF Submarine Cable — Terminal Transmission Bays — Terminal Station	804-640-150	4	(J68858) — Carrier Telephone
Add 804-637-152	1		Add 804-640-151	2	
♥ 804-637-152	4	(J68892) — SF Submarine Cable — High-Frequency Line, Order Wire, and Associated Equipment — Terminal Station	804-640-151	4	(J68853) — A5 Channel Bank Equipment
♥ 804-637-153	5	(J68893) — SF Submarine Cable System — Multiplex and Carrier Supply Equipment — Terminal Station	804-640-152	4	(J68857) — Carrier and Pilot Supply
♥ 804-637-157	1	(J64733) — SF Submarine Cable — Cable Laying Test Set	804-640-153	2	(J68872) — 64-KC Pilot Monitor
♥ 804-637-158	2	(J68917) — Repeater Locating Test Set — SD and SF Submarine Cable	Add 804-640-154	1	
♥ 804-637-164	1	(J64734) — SG Submarine Cable System SG/SF Cable Laying Test Set	804-640-154	1	(J68929) — A6 Channel Bank Equipment
♥ 804-637-165	1	(J68939) — Repeater Monitoring Set — SF and SG Submarine Cable	804-640-155	2	(J68867) — L60A and L120A — Multiplex Terminal
♥ 804-637-166	1	(J64735) — Transportable Transmission Measuring Set for Installation of SG Cable Shore Ends	804-640-156	3	(J68868) — LWM-1, LWM-3, LWM-4 Wideband Modems, LWA-1 Alternate Use Panel
♥ 804-637-167	1	(J68943) — SG Submarine Cable System — SG/SF Data Translator Cabinet	804-640-157	2	(J68880) — LWM-5 and LWM-6 Wideband Modems
♥ 804-637-168	1	(J68944) — SG Submarine Cable — SG High Frequency Line for SG Submarine Cable Installation	804-640-158	2	(J68863) — Basic Message Connecting Link for Connection of TL Radio
♥ 804-637-169	1	(J68945) — SG Submarine Cable System — General Purpose Test Equipment Cabinet	804-640-159	2	(J68856) — Basic Message — Connecting Link for Connection for L-Type Multiplex to TJ or TL Radio
♥ 804-637-170	1	(J68946) — SG Submarine Cable — Terminal Station Power Separation Filter	804-640-160	1	(J68930) — Group Distribution and Trunks
♥ 804-637-173	1	(J68949) — SG Submarine Cable — Shipboard Portable Test Load for Testing SG Shipboard Power Feed Equipment	804-640-166	1	(J68959) — Alarm Trunk Release and Make-Busy Equipment — For Use With E-Type or Single Module F Type — E and M Single Frequency, Signaling and A5/A6 and N2/N3 Channel Banks
♥ 804-638-159	2	(J68860) — SD Submarine Cable System	Performance Requirements		
♥ 804-638-162	1	(J68950) — SG Submarine Cable Medium Voltage Power Feed Equipment for Installation of SG Cable Shore Ends	804-640-180	8	Carrier Telephone Terminal — Channel, Group, and Supergroup Equipment
TASI			804-640-181	6	J68857 Carrier and Pilot Supply
Add 804-639-154	1		804-640-182	2	J68857AC Primary Frequency Generator — Carrier Telephone
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			804-640-184	4	J68872A 64-KC Line Pilot Monitor Equipment
			804-640-185	6	LMX-2 Transmitting and Receiving Bay Equipment

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	804-910-151	12	(J64001) — 1-Type Panels, Units, and Portable Test Sets for Transmission Measuring
	804-910-154	4	(J64005) — Test Sets — Transmission Measuring
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♥	804-910-157	2	(J64011) — 11A and 11C Lookators and 11B Lookator Calibrator
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806-157-151	2	(J41648) - Air Time Circuit — MJ and MK Mobile Telephone Systems	806-316-150	2	(J44106) - A2B Video Transmission System — Terminal and Repeater Equipment
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Add 806-158-180	1		806-317-182	1	Performance Requirements — J44107 Television Operating Center — 10x12 or Smaller Video Switch
806-158-180	2	MJ and MK Mobile Radio Telephone Systems — Performance Requirements — Small System Control Terminal	806-317-183	1	Performance Requirements — J44107 Television Operating Center — Large Office Test Position Connecting Circuits
806-159-151	1	Advanced Mobile Phone System (AMPS) — Cell Site Equipment — Equipment Description	806-317-184	1	Performance Requirements — J44107 Television Operating Center — Test and Monitor Circuits
806-3 TELEVISION SYSTEMS			806-318-150	1	(J44108) - A2AT Video Transmission System — Terminal and Repeater Equipment
806-301-180	2	Performance Requirements — Balanced Clamper	806-319-150	5	(J44109) - A4 Video Transmission System
806-301-181	3	Performance Requirements — 1B Clamper Amplifier	806-320-150	1	(J44110) - Television Facility Test Position — Application Specification
806-301-182	2	Performance Requirements — Video Distribution Amplifier per SD-42010-01			

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806-325-001	1	(J44111) Digital Television Lightwave System — DTLS Transmitter and Receiver

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- 807-0 Indexes, General Information, and Miscellaneous Equipments
- 1 Repeater and Carrier Equipments
- 2 Telegraph and Teletypewriter Switchboards and Teletypewriter Subscriber Sets
- 3 Teletypewriter Switching Units
- 4 Telegraph Serviceboards, Testboards, and Test Equipments
- 5 Station Equipment and Data Sets
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807-0 INDEXES, GENERAL INFORMATION, AND MISCELLANEOUS EQUIPMENTS

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807-004-150	1	(J63005) - Maintenance Alarm Equipment
Add 807-005-155	1	
807-005-155	2	(J70115) - 71A1 Level Compensator — For Telephotograph Systems
807-005-181	2	Performance Requirements — 71A1 Telephotograph Level Compensator
807-006-150	1	(J70161) - Selector Magnet Driver Unit — Using a 315A Mercury Relay
807-006-155	6	(J70013) - Wave Shaping Sets — For Telegraph Subscriber Lines — Station Equipment
807-009-150	5	(J70102) - 144-Type Coupling Units
807-011-150	2	(J70042) - 151A1 Teletypewriter Resistance Unit
Add 807-012-150	1	
807-012-150	6	(J70144) - Miscellaneous Equipment Units — Dialed Teletypewriter Exchange
Add 807-012-155	1	
807-012-155	1	(J70153) - Electronic Units and Electronic Drawer Assemblies — For the Data Converter Unit, — Test Sentence Generator Unit, — Instruction Word Generator Unit, — Supervisor or Service Assistance Desk, — 119E1 Signal Distortion Generator Unit, — 5A Automatic Data Test Line Unit, — And Data Signal Distortion Measuring Unit
Add 807-012-160	1	
807-012-160	6	(J70148) - Printed Card Electronic Units — For Dial Teletypewriter Exchange Service

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Add 807-014-150	1	
807-014-150	2	(J70154) - Junctor-Converter Trunk Unit — Fuse and Alarm Unit — Modem Tuned Circuit Unit and Amplifier Unit
807-014-180	1	Performance Requirements — For Data Converter Junctor Trunk
807-015-181	1	Performance Requirements — 101B TTY Concentrating Unit
807-017-150	3	(J70165) - Mounting and Connecting Units — Central Office Data Sets

807-1 REPEATER AND CARRIER EQUIPMENTS

Repeater Equipments

807-101-180	1	Performance Requirements — 10E1 Single-Line Telegraph Repeater
807-101-182	1	Performance Requirements — 10F2 Loop Repeater
807-101-183	1	Performance Requirements — 10G1 Loop Repeater
807-102-153	6	(J70107) - 13G1 One-Way Repeater
807-102-183	1	Performance Requirements — 13G1 Telegraph Repeater
807-103-190	2	Performance Requirements — 16B1 Telegraph Repeater
807-103-191	1	Performance Requirements — 16C1 Terminal Repeater With Balanced-Loop Applique — Operating With a Telegraph Testboard
807-103-192	1	Performance Requirements — 16C1 Terminal Repeater Operating With a No. 2 or 9B Serviceboard
807-104-180	1	Performance Requirements — 17A1 Telegraph Repeater
807-105-181	1	Performance Requirements — Metallic Telegraph Repeaters and Associated Circuits
807-107-150	6	(J70048) - 90A2, 90B1, 90B2, and 90C1 Loop Repeaters
807-107-180	2	Performance Requirements — 90A1 and 90A2 Loop Repeaters
807-107-181	1	Performance Requirements — 90C1 Loop Repeater
807-107-182	2	Performance Requirements — 91A1 Concentration Group Repeater
807-108-160	4	(J70103) - 96A1 Loop Repeater
807-110-180	2	Performance Requirements — 106A1 and 106C1 Regenerative Repeaters
807-113-180	2	Performance Requirements — 143A1 and 143A2 Telegraph Regenerative Repeaters

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Add 807-114-150	1		Teletypewriter Switchboards		
807-114-150	3	(J70164) - 145A1 Regenerative Repeater Units	807-206-180	1	Performance Requirements — 6A Teletypewriter Switchboard
807-125-150	2	(J70159) - WLR-1 and WLR-2 — Wideband Loop Repeaters	Teletypewriter Subscriber Sets		
807-125-151	2	(J70163) - WLR-3 Wideband Loop Repeater	807-252-153	5	(J70127) - 130C1 Teletypewriter Subscriber Set
807-125-152	2	(J70171) - WLR-4 and WLR-5 — Wideband Loop Repeater	807-3 TELETYPEWRITER SWITCHING UNITS		
807-126-150	1	(J70168) - Wideband Service Bays and Associated Equipment	807-305-180	3	Performance Requirements — 81C1
Carrier Equipments			807-305-186	3	Performance Requirements — 81D1
807-160-185	1	Performance Requirements — Voice Frequency Carrier Telegraph — Frequency Indicator — Modified Per J68721, X-63075, or X-63295 — For No Input Alarm and Auxiliary Grid Supply Equipment	Add 807-308-150	1	
807-160-190	2	Performance Requirements — Grid Potential Supply Circuits — Carrier Telegraph Equipment	807-308-150	2	(J70158) - 83B3 Teletypewriter Selective Calling System or No. 1 Electronic Switching Systems ADF — Half-Duplex Operation
Add 807-170-160	2		807-4 TELEGRAPH SERVICEBOARDS, TESTBOARDS, AND TEST EQUIPMENTS		
807-170-160	10	(J70112) - 43A1 Carrier Telegraph System — Channel Terminal Unit and Associated Equipment	Telegraph Serviceboards		
807-170-161	5	(J70169) - 43B1 Voice Frequency Carrier and Associated Equipment	Add 807-401-152	2	
807-170-184	4	Performance Requirements — 40C1 Carrier Telegraph Terminal	807-401-152	5	(J70091) - No. 2 Telegraph Serviceboard
807-170-185	2	Performance Requirements — 40C2 Carrier Telegraph Terminal	807-401-153	3	(J70173) - Type 3 Low Voltage Hub
807-170-190	4	Performance Requirements — 43A1 Carrier Telegraph Terminal	807-401-160	7	(J70100) - Relay Rack Units — For 2 and 9B Telegraph Serviceboards
807-170-191	2	Performance Requirements — 43A1 Carrier Telegraph — 2-Wire Carrier Repeater	807-401-161	3	(J70162) - 110E1 Multiple Sender Equipment — For Use With No. 2 and 9B Telegraph Serviceboards
807-176-180	4	Performance Requirements — 140A1 Carrier Supply	807-401-162	3	(J70104) - Negative 330-Volt Supply — For No. 2 and 9B Telegraph Serviceboards
Add 807-180-150	1		807-401-182	1	Performance Requirements — No. 2 Telegraph Serviceboard
807-180-150	2	(J70152) - B1 Data Carrier Terminal	807-401-191	1	Performance Requirements — Station Monitoring Test Line Circuit SD-70925-01 — No. 2 or 9B Telegraph Serviceboard — No. 9 Telegraph Testboard
807-180-181	1	Performance Requirements — B1 Data Carrier Terminal	Add 807-402-150	3	
807-2 TELEGRAPH AND TELETYPEWRITER SWITCHBOARDS AND TELETYPEWRITER SUBSCRIBER SETS			807-402-150	6	(J70099) - No. 9B Telegraph Serviceboard
Telegraph Switchboards			807-402-180	1	Performance Requirements — No. 9B Telegraph Serviceboard
Add 807-201-150	1		Telegraph Testboards		
807-201-150	1	(J70094) - 63B2 Telegraph Loop Switchboard	807-409-150	7	(J63513) - Miscellaneous Panels and Units — For Use With Toll and Telegraph Testboards
807-201-153	3	(J70005) - 63C1 Telegraph Loop Switchboard	Add 807-411-152	1	
			807-411-152	3	(J70150) - 10A and 10B Telegraph Testboard — Test Position and Relay Unit Equipment
			Add 807-411-155	1	
			807-411-155	1	(J70160) - 10C Telegraph Testboard
			807-411-181	1	Performance Requirements — 10A Telegraph Testboard

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807-411-182	1	Performance Requirements — 10B Telegraph Testboard
807-411-185	1	Performance Requirements — 10C Telegraph Testboard
Test Equipments		
807-416-181	4	Performance Requirements — 111A2 Polar Relay Test Circuit
Add 807-417-150	1	
807-417-150	1	(J70155) - Central Office Interim Test Wagon — For Use With 3-Row — 4-Row Data Converter
Add 807-418-151	1	
807-418-151	1	(J79906) - Data Distortion Test Equipment
807-418-180	1	Performance Requirements — Automatic Test Line Circuit
807-418-181	1	Performance Requirements — Automatic Data Test Line No. 5A
807-418-182	3	Performance Requirements — 906A Data Distortion Test Equipment
Add 807-421-150	1	
807-421-150	2	(J70175) - Voice Frequency — Line Test Connector Bay — Line and Test Bay — Auxiliary Line Bay — No. 2 and 9B Serviceboards
807-421-181	1	Performance Requirements for VF Line Test Connector — Data Systems
807-426-180	2	Performance Requirements — 110C1 Multiple Sender Circuit
807-427-181	2	Performance Requirements — 117B1 and Modified 117A1 Telegraph Stability Test Sets
807-428-182	2	Performance Requirements — 119C1 Signal Distorting Set
Add 807-434-161	1	
807-434-161	5	(J70098) - 165B1 Test Set — For Testing 144-Type Coupling Units and 96A1 Loop Repeaters
Add 807-434-162	1	
807-434-162	5	(J70120) - 165C1 Test Sets — For Testing 43A1 Carrier Channel Terminals
Add 807-460-165	1	
807-460-165	13	(J79904) - 904 Data Test Center — For Remote Data Set Testing
807-460-194	8	Performance Requirements — 904A, B, C, and D Data Test Centers
807-460-196	1	Performance Requirements for 904F, K Data Test Center
807-460-197	1	Performance Requirements for No. 904G or 904H — Data Test Center

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Add 807-461-165	1	
807-461-165	1	(J79908) - 908A Logic Circuit Test Set
Add 807-462-150	1	
807-462-150	1	(J79909) - 909A Test Oscillator Panel
807-462-152	6	(J79911) - 911-Type Data Test Sets — For Generating Test Sentences and Measuring Distortion
807-462-165	3	(J79912) - 912-Type Wideband Data Test Set
Add 807-462-167	1	
807-462-167	2	(J79914) - 914-Type Data Test Sets for Testing Digital and Analog Data Sets
807-463-150	5	(J79915) - 915 Wideband Data Test Bay
807-463-180	4	Performance Requirements — For the 915A or 915B — Wideband Data Test Bay
807-464-150	2	(J79918) - 918-Type Multispeed and Code Converter
Add 807-464-156	1	
807-464-156	3	(J79921) - 921A Data Test Set
807-464-186	2	Performance Requirements for No. 918 Type — Multispeed and Code Converter (J79918)

807-5 STATION EQUIPMENT AND DATA SETS

Station Equipment

Add 807-505-151	1	
807-505-151	1	(J70170) - Control Circuits for No. 1 ESS ADF — Intercept/Retrieval or Primary Maintenance — 3-Row, 28-Type Teletypewriter Stations
Add 807-505-155	1	
807-505-155	2	(J1D815) - 815-Type Controller Units — Station
Add 807-506-150	1	
807-506-150	2	(J70147) - Semi-Automatic — "DATA-PHONE" Data Station Equipment

Data Sets

Add 807-515-151	2	
807-515-151	4	(J1D101) - 101-Type — For Dial Teletypewriter — Exchange and "DATA-PHONE" Service
807-518-150	1	(J1D201) - 201A — "DATA-PHONE" Service — Transmitter-Receiver
807-521-150	1	(J1D301) - 301 Type — Transmitter-Receiver

807-6 DIGITAL DATA EQUIPMENT

807-601-150	2	(J70176) - 950-Type Testboard — DSX-0 Cross-Connect and Test Sets
807-601-180	1	Performance Requirements for 950-Type Testboard

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807-610-150	1	(J70177) — Transmission Facility Terminal Units, Multipoint Junction, Timing, and Miscellaneous Units	DIVISION 809 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — PRIVATE BRANCH EXCHANGE SYSTEMS		
807-610-181	1	Performance Requirements for Digital Data System — Five-Volt Power Supply Shelf — Subrate Data Multiplexer and Subrate Data Multiplexer Performance Monitor	809-0		Indexes and General Information
807-610-182	1	Performance Requirements for Digital Data System — Secondary Timing Supply	-1		Miscellaneous Equipments and Auxiliary Services
807-610-183	1	Performance Requirements for T1 Data Multiplexer (J70177AD, AE, AGI)	-2		Trunk, Alarm, and Test Equipments
807-610-185	1	Performance Requirements — Nodal Timing Supply	-3		Telephone Answering Systems and Equipments
807-610-186	1	Performance Requirements for Digital Data System — Local Timing Supply	-4		Miscellaneous PBXs
807-610-187	1	Performance Requirements — Bay Clock, Power, and Alarms Circuit — Data Systems	-7		500 and 600 Series Private Branch Exchanges
807-610-188	1	Performance Requirements — Multipoint Junction Unit Assembly With Auxiliary Circuits	-8		700 and 800 Series Private Branch Exchanges and Customer Switching Systems
807-610-189	1	Performance Requirements for Digital Data Group Terminal (J70177AS)	809-0 INDEXES AND GENERAL INFORMATION		
807-610-191	2	Performance Requirements for Digital Data System — Digital 56 KB/S Repeater (J70177AT)	Indexes		
807-620-150	1	(J70178) - Digital Equipment Used in the 758C Switching System — Switched Digital Data System	• ♠ 809-000-000	11	Numerical Index — Division 809 — Equipment Design and General Equipment Requirements and Engineering Information — Private Branch Exchange Systems
807-620-180	1	Performance Requirements for Switched Digital Data System — Central Office — Billing Information Transmitter (BIT), BIT Performance Monitor, and Load Detection Circuits Used With the 758C Switching System	General		
807-620-181	1	Performance Requirements for Switched Digital Data System — Central Office — Digital Line Unit Used With the 758C Switching System	809-002-100	5	PBX Equipment Space Requirements
807-620-182	1	Performance Requirements — Central Office — Digital Register-Sender Circuit Used With the 758C Switching System	809-002-101	2	Compatibility of Equipment — 757A
807-620-183	1	Performance Requirements — Central Office — Digital Register-Sender Interface Unit Used With the 758C Switching System	809-002-102	6	770A PBX — Compatibility of Equipment
807-620-184	1	Performance Requirements for Switched Digital Data System — Central Office — Digital Trunk Unit Used With the 758C Switching System	809-002-105	2	Compatibility of Equipment — 812A PBX
807-7 DATA NETWORK SYSTEMS			809-002-106	2	812A PBX — System Expansion and Conversion
Add 807-701-150	1	(J70179) Central Office Units Transaction Network Message Switch	809-006-150	1	(J59201) - Modification Requirements for Extension of Loop Ranges and Prevention of False Trunk Signals and Pulses
807-701-150	1	(J70180) Data Station Selector DATAPHONE SM Select-a-Station System	809-006-151	2	A Method for Establishing PBX Conductor Loop Ranges — Engineering Information
807-702-150	1	(J70180) Data Station Selector DATAPHONE SM Select-a-Station System	809-007-180	5	Detailed Inspection Procedures — Central Office and PBX Equipment
			809-1 MISCELLANEOUS EQUIPMENTS AND AUXILIARY SERVICES		
			Miscellaneous Equipments		
			809-105-150	2	(J58856) - Access Line Equipment Units for Use With Automatic Voice Network (AUTOVON)
			809-105-151	1	(J1C080) - 812A PBX — AUTOVON Interconnection
			809-105-152	2	(J59206) - Autovon Interface Trunks — Autovon
			809-106-150	3	(J53122) - Manual Conference Equipment With Voice Repeaters
			809-107-150	1	(J58854) - Intra-PBX Protection of Service — Relay Rack Units
			809-107-151	2	(J58864) - Dual Frequency Tone Detector Unit — PBX Systems

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809-108-150	3	(J58835) - Message Register Service Equipment — For Hotels and Motels
809-108-151	3	(J58834) - Message-Waiting Service Equipment
Add 809-109-150	1	
809-109-150	3	(J53128) - Lamp Signal Detector Unit and Associated Equipment for Blind Attendant — 551-, 552-, 555-, 556-, and 608-Type PBXs
Add 809-110-150	2	
809-110-150	4	(J58853) - Automatic Number Identification — Equipment Units — 701A, 701B, 711A, 711B, and 757A PBXs
809-111-150	5	(J59015) - Emergency Reporting System — Separate From PBX
Add 809-111-151	1	
809-111-151	2	(J59021) - Emergency Reporting Line and Crash Alarm Units
809-120-150	5	(J58833) - Miscellaneous Equipment — Fuse Panel, Lamp Repeating, Loudspeaker Paging Trunks, and Transmission Test Line Units
809-120-151	1	(J58866) - Auxiliary Power Unit for Use With Equipment Remote From PBX — PBX Systems
809-121-150	2	(J59204) — Common Equipment
Call Distributing Equipment		
809-132-001	1	(J59222) — 2A Applications Processor
809-133-150	2	(J53102) - 2A Order Turret
809-133-151	3	(J53111) - 4 Order Turret
809-133-152	4	(J53117) - 6A Order Turret
809-135-150	2	1-S Automatic Call Distributing System
Add 809-135-151	1	
809-135-151	2	(J53127) - 2A Automatic Call Distributing System
Add 809-135-152	1	
809-135-152	5	(J53131) — 3A Automatic Call Distributing System
809-135-153	1	(J53134) — No. 2B Automatic Call Distributing System
Touch-Tone Calling Equipment		
809-140-150	8	(J58847) - Touch-Tone Calling Equipment
Add 809-140-151	2	
809-140-151	2	(J58850) - Touch-Tone Dial Equipment for Attendant Switchboards
809-140-152	2	(J58844) - Type C — TOUCH-TONE Calling Receivers
Add 809-140-153	1	
809-140-153	3	(J99322) - Centralized Touch-Tone Calling Equipment for PBX Services — PBX and Common Systems (Dually Numbered With 801-621-152)

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809-140-180	1	Performance Requirements — Station Access and Common Group Touch-Tone to Dial Pulse Conversion Equipment — Step-by-Step PBXs
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Add 809-150-150	1	
809-150-150	1	(J59203) - 50A
809-150-151	1	(J59217) — 50B
Add 809-151-150	1	
809-151-150	1	(J59205) — 60A
809-151-151	2	(J59207) — 60B
809-156-001	1	(J59219) — 93A — Local Message Detail Recorder
809-156-020	1	(J59220) — 94A
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809-160-150	2	(J59212) — Management Information System 11A-CIS — AEMIS
809-160-151	1	(J59213) — Customer Network Control Center — Minicomputer Equipment — 21A Customer Information System
809-160-152	1	(J59215) — Customer Network Control Center — Display Interface Cabinet — 21A Customer Information System
809-160-154	1	(J59221) — Customer Network Control Center — PDP* 11/70 Minicomputer Equipment — 21B Customer Information System
809-2 TRUNK, ALARM, AND TEST EQUIPMENTS		
Trunk Equipment		
Add 809-201-150	2	
809-201-150	7	(J58817) - Tie Trunk, Auxiliary Trunks, Signal Connector Units, and Miscellaneous Trunks and Circuits — Relay Rack Units
809-201-151	8	(J53120) — Tie Trunks, Ringdown Trunks, and Miscellaneous Trunks and Circuits — Relay Rack Units — Manual PBXs
809-201-152	5	(J58815) - Tie Trunks, Outgoing Trunks, and Miscellaneous Trunks and Circuits — Relay Rack Units — 606A, 606B, and 702A PBXs
Add 809-201-153	2	
809-201-153	7	(J58824) - Tie Trunks, Attendant Trunks, Auxiliary Trunks, and Miscellaneous Trunks and Circuits — Relay Rack Units — Dial PBXs
Add 809-202-150	1	
809-202-150	4	(J58840) - Four-Wire Trunk, Station Line, and Miscellaneous Relay Rack Units
809-203-150	8	(J58827) - Selected Level Announcement Trunk and Recorded Telephone Dictation Trunk Units

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809-204-150	8	(J59009) - Long Line, Station Line, and Tie Trunks — Relay Rack Units	Add 809-703-154	1	
			809-703-154	4	(J99247) - 520C PBX — Concentrator-Type Emergency Reporting System — Central Office Equipment
Alarm and Test Equipments					
Add 809-250-150	1		809-703-180	1	Performance Requirements — Direct Line Emergency Reporting System — 520-Type PBXs
809-250-150	12	(J38304) - Alarm Equipments — No. 1, 350A Dial Offices and 702A PBX Offices — Step-by-Step and PBX Systems (also numbered 814-675-150)	809-703-181	1	Performance Requirements — Concentrator Emergency Reporting System — 520-Type PBXs
809-257-150	3	(J54703) - PBX Cord Circuit Test Set — (Box Type)	809-720-150	5	(J59023) - 557A PBX Switchboard
809-258-150	5	(J54701) - PBX Test Set — (Box Type) — For Testing Line and Trunk Finders, Selectors, and Connectors — 701-, 711-, and 740-Type PBXs	809-720-151	4	(J59024) - 557B PBX Switchboard
809-258-151	5	(J94704) - Line Finder, Selector, and Connector Test Set — (Box Type) — No. 350A and 360A Offices and 701A, 701B, 702A, 711A, and 711B PBXs	809-721-150	4	(J59027) - 558A PBX — Switching Cabinet Equipment
809-259-150	6	(J34728) - Automatic Call Thru Test Set — (Box Type) — For Testing of Switch Trains (also numbered 814-630-150)	600 Series PBXs		
809-259-153	2	(J54702) - Incoming Trunk Test Set — (Box Type) — For Testing Trunks Incoming to Order Turret No. 3	Add 809-753-150	1	
<i>*Registered Trademark of Digital Equipment Corporation</i>			809-753-150	6	(J53106) - 606A PBX Switchboard
809-3 TELEPHONE ANSWERING SYSTEMS AND EQUIPMENTS			809-755-150	4	(J53125) - 608A PBX Switchboard — 608D PBX Switchboard
809-301-150	9	(J93021) - Line Concentrator-Identifier Equipment — Telephone Secretarial Service	♥ 809-755-151	1	(J53126) - MF Pushbutton Dialing Equipment for 608A PBX Switchboard Used as Attendant Position — No. 5 Crossbar Office Functioning as a PBX
809-301-152	1	(J59202) — Tone Signaling Equipment — For Use With Concentrator-Identifier in Telephone Secretarial Service	809-755-154	2	(J53129) - 608B PBX Switchboard
809-302-150	1	(J99317) - Occasional Service Feature Equipment for Telephone Answering Systems	Add 809-755-157	1	
809-302-180	1	Occasional Service Equipment	809-755-157	2	(J53132) - 608D PBX Switchboard — 608D Units
Add 809-310-150	1		809-8 700 AND 800 SERIES PRIVATE BRANCH EXCHANGES AND CUSTOMER SWITCHING SYSTEMS		
809-310-150	3	(J58846) - 1A Telephone Answering System	700 Series PBXs		
809-4 MISCELLANEOUS PBXs			Add 809-803-151	1	
♥ 809-401-150	2	(J53115) - Large Dial PBX With Attendant Connectors — War Department — Arlington, Va. and Washington, D.C.	809-803-151	8	(J58831) - 701B and 711B PBXs
809-7 500 AND 600 SERIES PRIVATE BRANCH EXCHANGES			Add 809-803-153	1	
500 Series PBXs			809-803-153	7	(J58837) - Equipment Units for Optional Service Features for 701B PBXs
809-702-150	2	(J59022) - 508A PBX Switchboard	809-803-180	8	Performance Requirements — 701- and 711-Type PBXs
Add 809-703-150	1		809-804-150	4	(J58809) - 200 Point Line Finder Shelf Units and Single-Sided Line Finder Frames — For Use in 702A PBXs
809-703-150	2	(J99284) - General Outline — Operating and Equipment Features — 520-Type PBX Emergency Reporting Systems	Add 809-804-151	2	
Add 809-703-153	1		809-804-151	15	(J32302) - Selector and 20-Capacity Selector Shelves — No. 1, 350A and 702A PBX Offices (also numbered 814-401-151)
809-703-153	4	(J99248) - 520C PBX — Concentrator-Type Emergency Reporting System — Switchboard Equipment	Add 809-804-152	4	
			809-804-152	14	(J32310) - Selectors and 3- and 10-Capacity Selector Shelves — No. 1, 350A, 355A, 35E97 and 702A PBX Offices (also numbered 814-401-150)

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Add 809-804-153	1	
809-804-153	13	(J32311) - Connectors and Connector Shelves — No. 1, 350A, 355A, 35E97 and 702A PBX Offices (also numbered 814-435-150)
809-804-154	12	(J32312) - Miscellaneous Switches and Shelves — No. 1, 350A, 355A, 35E97 and 702A PBX Offices (also numbered 814-053-150)
809-804-180	2	Performance Requirements — 702A PBX
Add 809-815-150	1	
809-815-150	6	(J58826) - 740E PBX — General Information
809-815-155	3	(J58816) - 740AX PBX
809-815-182	3	Performance Requirements — 740-Type PBX
Add 809-819-150	1	
809-819-150	4	(J58819) - 755A PBX Systems
809-820-150	11	(J58829) - 756A PBX
809-821-150	8	(J58838) — 757A PBX
809-822-150	5	(J58839) - 758A, 758B, and 758A/B PBXs — 4-Wire Lines
Add 809-822-152	1	
809-822-152	4	(J58845) — 758C
809-822-153	3	(J58863) — 758C PBX — 4-Wire Switching Network — On 11-Foot 6-Inch Frameworks
809-822-180	2	Performance Requirements — 758C PBX
809-824-151	4	(J58862) - 761B PBX — Hotel-Motel Service — Switching Cabinet Equipment
809-830-150	4	(J58876) - 770A PBX — Switching Cabinet Equipment
800 Series PBXs		
809-850-150	5	(J58849) — 800A PBX
Add 809-850-151	1	
809-850-151	6	(J58860) — 800A — Summarizing Specification
809-850-160	2	(J58872) — 801A
809-852-150	2	(J58873) — 805A PBX
809-855-150	2	(J58877) — 812A PBX
809-870-150	1	(J58871) — 850A PBX
Customer Switching Systems		
809-875-151	2	PBX Systems — CSS 201VS — Description
809-875-152	2	BBX Systems — CSS 201L Description
809-875-153	1	Station Message Detail Recording Description PBX System

DIVISION 811 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — PRIVATE SERVICE SYSTEMS

- 811-0 Indexes and General
 - 1 Alerting and Warning Systems
 - 3 Switching Systems

811-0 INDEXES AND GENERAL

Indexes

- ♣ 811-000-000 34 Numerical Index — Division 811 — Equipment Design and General Equipment Requirements and Engineering Information — Private Service Systems

General

- 811-010-180 2 Performance Requirements — Digital Data Transmitter Circuit — A1 Digital Data Signaling System
- 811-010-181 1 Performance Requirements — Digital Data Receiver Circuit — A1 Digital Data Signaling System
- 811-010-182 2 Performance Requirements — Parity Check Circuit — A1 Digital Data Signaling System
- 811-010-183 1 Performance Requirements — Matching and Error Counter Circuit — A1 Digital Data Signaling System
- 811-010-184 2 Performance Requirements — Word Generator Circuit, SD-1G005-01 — A1 Digital Data Signaling System
- 811-010-185 1 Performance Requirements — Miscellaneous Testing Circuit — A1 Digital Data Signaling System
- 811-010-186 2 Performance Requirements — Trouble Detector Circuit — A1 Digital Data Signaling System
- 811-010-187 1 Performance Requirements — Word Generator Circuit, SD-1G097-01 — A1 Digital Data Signaling System
- 811-010-188 1 Performance Requirements — 4-Phase Digital Data Transmitter Circuit — A1 Digital Data Signaling System — (J1G000BF)
- 811-010-189 1 Performance Requirements — 4-Phase Digital Data Receiver Circuit — A1 Digital Data Signaling System — (J1G000BF)
- 811-012-151 4 (J1G006) - Air-Ground Voice Communication — Common User Group
- 811-012-180 1 Performance Requirements — Dual Facility at Direction Center or Tandem Point — Air-Ground Voice Communication System
- 811-012-181 1 Performance Requirements — Dual Facility at Radio Site — Air-Ground Voice Communication System

Section Number	Issue	Subject
811-012-182	2	Performance Requirements — Common User Group — Air-Ground Voice Communication System
811-012-185	1	Performance Requirements — Restoration Panel for Restoring — Air-Ground and Data Trunks
811-014-150	1	(J1G007) - SC2 Selective Control System — Control and Signaling Equipment Units and Associated Equipment for Transmitting and Receiving Supervisory Signals
811-014-151	2	(J1G008) - Pulse Length Code Test Set — SC2 Selective Control System
811-014-152	1	(J1G009) - Dial Test Set for Checking Operation of Satellite and Monitor Station — SC2 Selective Control System
811-015-150	2	(J1G021) - 20A Signaling and Control System — Arranged for Inband Signaling
Add 811-016-150	1	
811-016-150	1	(J1G024) - Miscellaneous Equipment — 2-Digit to Dial Pulse Converter Unit — Signal Delay and Digit Storage Unit — 4 X 4 to Decimal Translator Unit — Echo Suppression and Anti-Sing Unit
811-016-180	1	Performance Requirements — Signal Delay and Digit Storage Circuit and 2-Digit DC to Dial Pulse Converter Arranged for Use With "TOUCH-TONE®" Receivers and SS1 or SSA1
811-017-150	3	(J1G023) - Data Conferencing Equipment for Use With 4-Wire CONUS AUTOVON Facilities
811-018-150	1	(J1G025) - SS2-TOUCH-TONE® Selective Signaling System
811-019-150	2	(J1G027) - SS3 "TOUCH-TONE®" Selective Signaling System
811-019-151	1	(J1G028) - Equipment Packages — SS3 "TOUCH-TONE" Selective Signaling System
811-019-152	1	(J1G031) — SS3 Multiline Connecting Equipment
811-019-153	1	(J1G032) — SS3 Order Wire
811-021-150	3	(J1G033) — SS4 Selective Signaling System
811-021-151	2	(J1G034) — 4-Wire Private Line — Terminating System
• 811-021-152	1	(J1G037) — Off-Network Access Unit With SS4 Selective Signaling for 4-Wire Private Line Terminating and Station System
811-022-150	2	(J1G035) — Control and Display System
811-025-150	1	(J1G030) — 1A Protective Relaying Terminal — Facilities Serving Power Industry
811-026-150	2	(J1G036) — Modular Terminal Communication System

Section Number	Issue	Subject
811-1 ALERTING AND WARNING SYSTEMS		
811-101-150	5	(J1G011) - SAC Primary Alerting System
811-101-151	2	(J1G010) - SAC Secondary Alerting Network — Supervised Automatic Signaling System — Control and Signaling Equipment Units for Transmitting and Receiving Supervisory Signals
811-101-152	4	(J1G026) - SAC — Main Operating Base Turret
811-102-150	4	(J1G012) - Command Post Alerting Network
811-104-150	2	(J1G019) - 10A Alerting System NORAD Attack Warning System — (NAWS)
811-104-180	1	Performance Requirements — 10A Alerting System
811-120-150	2	(J1G018) - 1A Telephone Warning System
811-3 SWITCHING SYSTEMS		
811-301-150	4	(J1G013) - Switching System No. 304
811-301-180	1	Performance Requirements — Switching System No. 304
Add 811-302-150	1	
811-302-150	4	(J1G015) - Switching System No. 305
Add 811-303-150	2	
811-303-150	2	(J1G017) - Switching System No. 306
811-303-180	1	Performance Requirements — Switching System No. 306
811-304-150	1	(J53037) - Switching System No. 307
811-304-151	1	(J1G016) - Switching System No. 307 — Station Arrangements — Data Set and Control Equipment
811-307-150	1	(J1G022) - Switching System No. 310
811-307-180	1	Performance Requirements — Switching System No. 310

DIVISION 812 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — STATION SYSTEMS

- 812-0 Indexes, General Information, and Miscellaneous Equipments
 - 1 Key Equipments
 - 2 Switching, Key Telephone, and Communications Systems
 - 3 Station Test Equipment

812-0 INDEXES, GENERAL INFORMATION, AND MISCELLANEOUS EQUIPMENTS

Indexes

- ♦ 812-000-000 47 Numerical Index — Division 812 — Equipment Design and General Equipment Requirements and Engineering Information — Station Systems

Section Number	Issue	Subject
812-002-002	1	Station Dial — 51B — Detailed Description
812-002-007	1	Station Dials — 43A — Detailed Description
812-002-008	1	Station Dials — 53A — Detailed Description
812-002-200	3	Private Line Service Terminations — Station Engineering Information
812-002-201	2	Private Line Service Terminations — Station Engineering Information — Uniform Service Order Codes (USOC) Index of Definitions and Applications
812-002-210	2	Private Line Service Terminations — Station Engineering Information (Tie Trunks and SS-3)
812-002-211	2	Private Line Service Terminations — Station Engineering Information — PBX Terminations (Foreign Exchange and Wide Area Telecommunications Service)
812-002-215	2	Private Line Service Terminations — Station Engineering Information — Telephoto Station Arrangements
812-002-221	3	Private Line Service Terminations — Station Engineering Information — Station Equipment (Voice)
Add 812-002-230	1	
812-002-230	3	Private Line Service Terminations — Station Engineering Information — Station Equipment (Data-Voiceband)
812-002-231	2	Private Line Service Terminations — Station Engineering Information — Station Equipment (Data-Wideband)
812-002-250	3	Private Line Service Terminations — Station Equipment Information — Alternate Arrangements
812-002-270	2	Private Line Service Terminations — Station Engineering Information — Engineering Sketches and Signaling Devices
812-002-290	4	Private Line Service Terminations — Station Engineering Information — V4 Repeater — Mountings and Components

General Information and Miscellaneous Equipment

812-015-150	3	(J53008) - Unattended Station Equipment for Transmitting External Audible Signals Back to a Calling Party
812-015-155	2	(J53017) - 110A Key Equipment
812-015-170	2	Ringin Ranges and Ringin Bridge Limitations for Lines in Dial Offices
812-016-150	3	(J53019) - 600/1500 — Cycle Selective Signaling Equipment for 2- and 4-Wire Private Lines
Add 812-016-155	1	
812-016-155	1	(J53047) - SS1A Selective Signaling System — Pulsin Countin and Interdigital Control Circuit

Section Number	Issue	Subject
812-017-150	1	(J53036) - 4-Wire Private Line Equipment
Add 812-017-151	1	
812-017-151	3	(J53045) - 4-Wire Private Line Terminating and Station Equipment
812-019-150	1	(J53042) - Preempt-Precedance Wink Signal Test Set
812-021-150	1	(J53027) - Six Station Conference and Alarm Equipment
812-023-150	1	Customer-Owned Antique Decorator — Telephone Set Housin — Engineering Requirements
812-023-151	1	Station Dials — 51A — Detailed Description
812-025-150	4	(J53050) - Interconnectin Units

812-1 KEY EQUIPMENTS

812-101-150	6	(J53002) - 4A
812-102-150	4	(J53004) - 5A, 5B, 6A and 6B
812-106-150	7	(J53103) - 100 — Multiple Line
812-107-150	7	(J53005) - 101A and 101B
812-107-160	12	(J53009) - 102
812-108-150	2	(J53011) - 103A
812-109-160	2	(J53016) - 109A
812-110-151	3	(J53040) - 110A
812-110-160	3	(J53020) - 111A
Add 812-111-150	3	
812-111-150	10	(J53022) - 112A
812-111-151	3	(J53024) - 112A — Master Specification for SAGE Installations
812-111-152	3	(J53028) - 112A — Master Specification for SAC Bombardment Wing Control Center Installations
812-111-153	2	(J53025) - 112A — Master Specification for Missile Master Installations

812-2 SWITCHING, KEY TELEPHONE, AND COMMUNICATIONS SYSTEMS

Switchin Systems

812-205-150	7	(J53026) - No. 300
812-205-155	2	(J53032) - No. 301
Add 812-205-156	1	
812-205-156	3	(J53048) - No. 301A
812-205-160	2	(J53033) - No. 302
812-205-180	1	Performance Requirements — No. 300
812-206-150	2	(J53034) - No. 303

Section Number	Issue	Subject	Section Number	Issue	Subject
812-207-160	2	(J53041) - No. 309	814-005-151	8	(J38805) - General Outline — No. 355A Office
812-248-150	1	(J53059) - 1A Industrial Communications System (ICS)	814-005-152	3	(J39225) - General Outline — Common Control Facilities — No. 1, 350A and 355A Offices
Key Telephone Systems			814-005-153	4	(J38812) - General Outline — No. 356A Office
812-260-150	8	(J53007) - 1A	814-006-150	5	(J38809) - Line Frame and Associated Equipment Units — No. 356A Office
812-260-155	4	(J53021) - 1A1	814-007-150	9	(J38801) - Equipment Frames and Units — No. 360A Office
812-262-150	3	(J53023) - 6A	Add 814-008-150	3	
812-275-150	1	(J53053) - 8A	814-008-150	7	(J39210) - Western Electric Company Equipment for Additions to 35E97 Offices
812-275-151	1	(J53056) - E911 Customer Premises System	814-009-150	2	(J39209) - Modification Procedures for Line Load Control and Associated Traffic Load Indicating Devices — No. 1, 350A, 355A, 360A and 35E97 Offices
812-275-152	1	(J53060) - Customer Premises Equipment - Expanded 911 System Answering Point	814-011-170	2	7A Announcement System for Machine Intercept Service — Engineering Information
Communication Systems			814-012-170	1	Line Number Method — Prepay Coin Control — No. 350A, 355A, 360A and 35E97 Offices — Engineering Information
812-280-001	1	14A Call Management Information System	814-013-150	3	(X61420) - Modification of Primary and Secondary Line Switch Equipment to Reduce Double Plunging of Line Switches and Spark Protection Equipment for Primary and Secondary Master Switch Wipers
812-281-150	3	(J53038) - No. 3A	814-013-170	1	Extension of Subscriber Loop Ranges — Engineering Information
812-281-160	2	(J53061) - 16A Communications System—HORIZON®	814-014-170	2	Interoffice Trunk Ranges — Supervision and Pulsing Limits
812-282-150	4	(J53055) - 32A — "HORIZON®" Communications System and HORIZON Call Management System	814-020-180	4	Performance Requirements — No. 1, 350A, 355A, 356A and 360A Offices
812-3 STATION TEST EQUIPMENT			814-020-181	2	Performance Requirements — Common Control Equipment
812-300-150	1	(J53054) - Telephone Test Set for Field Turn-around	814-021-182	4	Detailed Inspection Procedures — Central Office and PBX Equipment
<hr/>			Miscellaneous Frames		
DIVISION 814 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — STEP-BY-STEP SYSTEMS			Add 814-025-150	1	
<hr/>			814-025-150	10	(J32602) - Traffic Register Rack — No. 1 and 350A Offices
814-0		Indexes, General Information, and Miscellaneous Equipments	814-026-150	7	(J93005) - Plugging-Up Frame — Central "A" Switchboard Office
-1		Automatic Message Accounting	Miscellaneous Equipments		
-2		Automatic Number Identification Equipments	Add 814-050-151	2	
-3		Common Control and TOUCH-TONE Equipments (Register Trunk and Link, Outpulsing Controller, Converters, Decoders, and Translators)	814-050-151	15	(J33017) - Miscellaneous Relay Rack Units — 2- by 23-Inch Mounting Plates
-4		Selectors, Finders, Rotary Switches, and Connectors	Add 814-050-152	1	
-5		Trunk and Repeater Equipments	814-050-152	8	(J91104) - Relay Rack Equipment — For 13C, 13D, 15C, and 15D Switchboards — No. 1 and No. 5 Crossbar Panel, No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 815-075-152, 816-028-150, 818-081-151, and 819-080-150)
-6		Test and Alarm Equipments			
814-0 INDEXES, GENERAL INFORMATION, AND MISCELLANEOUS EQUIPMENTS					
Indexes					
◆	◆	814-000-000	40		Numerical Index — Division 814 — Equipment Design and General Equipment Requirements and Engineering Information — Step-by-Step Systems
General					
Add		814-005-150	2		
		814-005-150	3		(J39206) - General Outline — No. 1 and 350A Offices

Section Number	Issue	Subject	Section Number	Issue	Subject
814-050-153	7	(J91101) - Relay Rack Equipment — For 15C and 15D "A" Switchboards	Add 814-106-152	1	
			814-106-152	2	(J38914) - Pretranslator and Pretranslator Connector Frame — (CAMA) — Intertoll Dialing Office
814-052-150	10	(J32307) - Repeater Units, Frames, and Shelves — No. 1, 350A, 355A, and 702A PBX Offices	Add 814-107-150	1	
			814-107-150	3	(J32401) - Transverter Frame — No. 1 Office
814-053-150	12	(J32312) - Miscellaneous Switches and Shelves — No. 1, 350A, 355A, 35E97, and 702A PBX Offices (also numbered 809-804-154)	Add 814-107-151	1	
			814-107-151	3	(J38904) - Transverter Frame — (CAMA) — Intertoll Dialing Office
Add 814-054-150	1		Add 814-108-150	3	
814-054-150	2	(J33011) - Emergency Manual Equipment	814-108-150	4	(J38813) - Identifier Frame and Associated Translator — Dynamic Overload Control Units — No. 1 Office
814-055-150	3	(J39202) - Line Busy Recorder	Add 814-108-151	1	
814-056-150	2	(J32009) - Permanent Signal Finder and Associated Units	814-108-151	2	(J38206) - Identifier Trunk Connector Frame — No. 1 Office
Add 814-058-150	1		Add 814-109-150	1	
814-058-150	2	(J34901) - Trunk Group Usage Equipment — No. 1 and 350A Offices	814-109-150	5	(J37801) - Thousands Number Frame — No. 1 Office
814-1 AUTOMATIC MESSAGE ACCOUNTING					
814-100-150	2	(J39215) - General Outline — No. 1 Office	Add 814-110-150	1	
			814-110-150	5	(J37802) - Common Number and Class Frame — No. 1 Office
814-100-151	4	(J39220) - General Outline — (CAMA) — Intertoll Dialing Office	814-111-150	4	(J38203) - Code Connector Frames — No. 1 Office
814-100-170	3	General — Centralized Automatic Message Accounting — Intertoll Dialing Office — Engineering Information	Add 814-112-150	1	
			814-112-150	6	(J38907) - Connector and Position Link Frames — (CAMA) — Intertoll Dialing Office
814-100-180	4	Performance Requirements — No. 1 Office	Add 814-113-150	2	
			814-113-150	5	(J38912) - Call Identity Indexer Frame and Units — (CAMA) — Intertoll Dialing Office
814-100-181	1	Performance Requirements — (CAMA) — Intertoll Dialing Office	Add 814-113-151	2	
Add 814-105-150	1		814-113-151	10	(J22151) - Call Identity Indexer Frames and Units — Paper and Magnetic Tape Recording — No. 1, No. 5 and Crossbar Tandem — No. 4 Type Toll Switching
814-105-150	3	(J37903) - Sender Frame (AMA) — No. 1 Office	Add 814-114-150	1	
			814-114-150	3	(J38906) - Incoming Register and Link Frame — (CAMA) — Intertoll Dialing Office
814-105-151	4	(J37902) - Sender Frame — Supplementary Connector Bay For Modified Automatic Ticketing Sender Frames — No. 1 Office	Add 814-115-150	3	
			814-115-150	4	(J38908) - Recorder Frame — (CAMA) — Intertoll Dialing Office
814-105-152	2	(J38205) - Sender-Trunk Connector Frame — No. 1 Office	Add 814-115-151	1	
			814-115-151	12	(J22462) - Recorder Frames — No. 1, No. 5, and Tandem Crossbar, No. 4 Type Toll Switching, and Step-By-Step Systems (also numbered 816-108-150, 817-120-150, 818-108-150, and 819-114-150)
814-105-153	4	(J38201) - Trunk Finder-Sender Trunk Connector Frame — And Supplementary Sender Trunk Connector Frame — No. 1 Office	814-116-150	12	(J22456) - Perforator Cabinet — Perforator and Reader Cabinet — Call Count Process Control Register Equipment — Billing Data Transmitter Frame — No. 1, No. 5, and Tandem Crossbar, No. 4 Type Toll Switching (also numbered 816-107-150, 817-121-150, 818-111-150, and 819-115-150)
Add 814-105-154	1				
814-105-154	2	(J32101) - Sender-Transverter Connector Frame — No. 1 Office			
814-105-155	6	(J38902) - Sender Frame and Multifrequency Receiver Frame — (CAMA) — Intertoll Dialing Office			
814-106-150	5	(J38903) - Decoder Frame, Route Relay Frame and Foreign Area Translator Frame — (CAMA) — Intertoll Dialing Office			
Add 814-106-151	2				
814-106-151	5	(J99301) - PBX AIOD Translator and Connector Equipment — Automatic Message Accounting or Automatic Number Identification			

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 814-117-150	2		814-3 COMMON CONTROL AND TOUCH-TONE EQUIPMENTS (REGISTER TRUNK AND LINK, OUTPULSING CONTROLLER, CONVERTERS, DECODERS, AND TRANSLATORS)	814-300-150	8 (J38934) - Register Trunk and Link Frames — Common Control
814-117-150	3	(J38909) - Master Timing Frame — (CAMA) — Intertoll Dialing Office		814-310-150	5 (J38921) - Originating Register and Outpulsing Controller Frame — Common Control
Add 814-117-151	2			814-320-150	7 (J33024) - Converter Frame
814-117-151	11	(J22451) - Master Timing Frame — Paper and Magnetic Tape Recording — No. 1, No. 5, and Crossbar Tandem — No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 816-106-150, 817-105-150, 818-112-150, and 819-120-150)		814-321-150	2 (J38922) - Touch-Tone Converter Frame — Common Control
Add 814-118-150	2			814-322-150	1 (J38936) - Converter and Link Frame — Touch-Tone Type D
814-118-150	8	(J21350) - CAMA Switchboard (also numbered 817-101-150, 818-102-150, and 819-101-150)		814-322-151	1 (J38937) - Converter and Link Frame Touch-Tone Type E
814-119-150	3	(J38814) - Outpulser and Outpulser-Identifier — Connector Frames — (AMA) — No. 1 Office		Add 814-330-150	1
Add 814-130-150	2			814-330-150	5 (J38925) - Translator and Decoder Frame — Supplementary Decoder Frame — Decoder Route Relay Frame and Foreign Area Translator Frame — Common Control
814-130-150	3	(J38910) - Miscellaneous Relay Rack Units — (CAMA) — Intertoll Dialing Office		Add 814-330-151	1
				814-330-151	2 (J38924) - Translator and Decoder Connector Frames — Common Control
814-2 AUTOMATIC NUMBER IDENTIFICATION EQUIPMENTS			814-4 SELECTORS, FINDERS, ROTARY SWITCHES, AND CONNECTORS		
814-200-180	4	Performance Requirements — Automatic Number Identification — Type B	Selectors		
814-200-181	1	Performance Requirements — Type C — No. 1, 350A, 355A, and 35E97 Offices	814-400-150	6	(J32313) - Multiplying of Trunks From Selector Levels
814-201-150	6	(J95105) - Identifier Frame — Type B — No. 1 Crossbar, Panel, and Step-by-Step Systems (also numbered 815-300-150 and 816-201-150)	814-400-170	1	Digit-Absorbing Selectors — Engineering Information
814-202-150	8	(J95109) - Number Network, "X" Number Network, and Miscellaneous Number Network Frames — Type B — No. 1 Crossbar, Panel, and Step-by-Step Systems (also numbered 815-303-150 and 816-203-150)	Add 814-401-150	4	
Add 814-203-150	3		814-401-150	14	(J32310) - Selectors and 3- and 10-Capacity Selector Shelves — No. 1, 350A, 355A, 35E97, and 702A PBX Offices (also numbered 809-804-152)
814-203-150	2	(J38941) - Number Network and Identifier Frames — Type C — No. 1, 350A, 355A, and 35E97 Offices	Add 814-401-151	2	
814-204-150	9	(J95107) - Outpulser Frame — Type B — No. 1 Crossbar, Panel, and Step-by-Step Systems (also numbered 815-301-150 and 816-204-150)	814-401-151	15	(J32302) - Selector and 20-Capacity Selector Shelves — No. 1, 350A and 702A PBX Offices (also numbered 809-804-151)
● Add 814-204-151	3		814-402-150	9	(J38806) - Selector Repeaters — 10- and 20-Capacity Selector Repeater Shelves
814-204-151	5	(J38942) - Outpulser and Test Frame — Type C — No. 1, 350A, 355A, and 35E97 Offices	Finders		
814-205-150	5	(J99250) - Line Verification and Miscellaneous Relay Rack Equipment — Type B	814-410-170	1	200-Point Line Finder and Trunk Finder Equipments — No. 1, 350A, 355A and 35E97 Offices — Engineering Information
814-206-150	3	(J38950) - Type D — No. 1, 350A, 355A, or 35E97 Offices	Add 814-411-150	3	
814-207-150	1	(J38951) - Type E — No. 1 Step-by-Step With AMA	814-411-150	10	(J32006) - 100 and 200 Point Line Finders — 10-, 16-, and 20-Capacity Line Finder Shelves — Control and Lockout Features — No. 355A Offices
			814-412-150	12	(J32001) - 200-Point Line Finders — 16-, 20- and 30-Capacity Line Finder Shelves — No. 1 and 350A Offices

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Add 814-413-150	2	
814-413-150	8	(J32007) - 200-Point Line Finders — 20- and 30-Capacity Line Finder Shelves — No. 1, 350A, 355A, and 35E97 Offices
Add 814-414-150	2	
814-414-150	10	(J32004) - Trunk and Converter Finders and 10-Capacity Finder Shelves — No. 1, 350A, 355A, and Intertoll Dialing Offices
814-415-150	11	(J32003) - Trunk Finders, Switch Frame, Intercepting Trunk, and 4-, 6-, 10-, 16-, and 20-Capacity Finder Shelves
Add 814-415-151	1	
814-415-151	6	(J32008) - Trunk Finders — Switch Frame, Intercepting Trunks and 20-Capacity Trunk Finder Shelves

Rotary Switches

814-425-150	7	(J33020) - Subscriber Rotary Line Switch and 22-Point Line or Trunk Finder — Relay Rack Units
814-426-150	12	(J33001) - 3- or 4-Wire Rotary Out-Trunk Switch Units — No. 1, 350A, 355A, and 35E97 Offices
Add 814-427-150	1	
814-427-150	5	(J33010) - 5-Wire Rotary Out-Trunk Switch Units — No. 1 Office With AMA

Connectors

Add 814-435-150	1	
814-435-150	13	(J32311) - Connectors and Connector Shelves — No. 1, 350A, 355A, and 35E97, and 702A PBX Offices (also numbered 809-804-153)

814-5 TRUNK AND REPEATER EQUIPMENTS

Trunk Equipment

814-501-150	5	(J38901) - Incoming Trunk Frame — Intertoll Dialing Office — (CAMA)
Add 814-505-150	2	
814-505-150	5	(J33902) - Outgoing Trunk Frame — (AMA) — No. 1 Office
814-506-150	7	(J38923) - Outgoing Trunk Frames — (ANI — Type B and C and Non-CAMA) — Common Control
Add 814-507-150	1	
814-507-150	8	(J38943) - Trunk Frames (ANI-Type B and C)
814-507-151	10	(J95108) - Trunk Frames — Automatic Number Identification—Type B No. 1 Crossbar and Panel (also numbered 815-302-150 and 816-207-150)
814-508-150	1	(J33028) - Outgoing Trunk Frame — (OGT to No. 1 ESS in Same Building)
814-509-150	4	(J38815) - Outgoing Trunk and Outputter Connector Frame — No. 1 Office With AMA

Section Number	Issue	Subject
Add 814-510-150	1	
814-510-150	2	(J33903) - Coin Zone Outgoing Trunk Frame — (AMA) — No. 1 Office
814-510-151	4	(J99256) - Concentrating Frame — For Coin Zone Trunk Units
Add 814-520-150	1	
814-520-150	13	(J33013) - One-Way Interoffice Trunks — Relay Rack Units
814-521-150	7	(J33014) - 2-Way Interoffice Trunks — Relay Rack Units
814-522-150	6	(J61401) - Miscellaneous Intertoll Trunks and Associated Equipments — Relay Rack Units (also numbered 804-001-152)
814-523-151	12	(J33015) - Coin and Message Register Trunks and Auxiliary Trunk and Line Circuit Units — Relay Rack Units — (2- by 23-Inch Mounting Plates)
814-524-150	10	(J33016) - Intercepting Trunks for Manual or Machine Intercepting
814-525-150	5	(J33025) - Converter Trunk Frame
814-526-150	1	(J33029) - Intercept Trunk Frame for AIS With ANI Type C or D — No. 1, 350A, 355A, or 35E97 Offices
Add 814-527-150	2	
814-527-150	1	(J33030) - Local Directory Assistance Trunk Frames for 411 Services (ANI Type B, C and D) — No. 1, 350A, 355A or 35E97 Offices
814-528-150	1	(J33031) - Selector Trunk Frame for Busy Line Verification — No. 1 or 350A Office

Repeater Equipment

814-540-150	6	(J33019) - Repeaters, Pulse Correcting Repeaters and Incoming Trunks — Relay Rack Units
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814-6 TEST AND ALARM EQUIPMENTS

Test Frames and Units

814-600-150	9	(J93403) - Trouble Ticker Frame — Automatic Number Identification-Type B (also numbered 815-408-150 and 816-206-150)
Add 814-601-150	1	
814-601-150	3	(J34102) - Trouble Recorder Frame — (AMA) — No. 1 Office
814-602-150	8	(J38911) - Trouble Ticker and Test Frame — (CAMA) — Intertoll Dialing Office
Add 814-602-151	1	
814-602-151	4	(J38927) - Manual Test and Trouble Ticker Frame — Common Control
Add 814-603-150	1	
814-603-150	5	(J38929) - Automatic Test Frame — Common Control

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 814-604-150	2		814-633-150	4	(J34701) - Test Set — (Box Type) — 355A and 35E97 Offices
814-604-150	3	(J34302) - Automatic Trunk Test Frame — AMA — No. 1 Office	814-634-150	4	(J33026) - Converter Test Set — (Box Type)
814-604-151	4	(J34304) - Automatic Outgoing Trunk Test Frame — No. 1 and 350A Offices	814-635-150	3	(J34715) - Line Finder and Trunk Finder Test Set — (Box Type) — Individual, 2-Party Message and Flat Rate Lines
Add 814-605-150	1		814-635-151	4	(J34718) - Line Finder and Trunk Finder Test Set — (Box Type) — Individual Message and Flat Rate Lines
814-605-150	5	(J34303) - Manual Outgoing Trunk Test Frame	814-636-150	5	(J34721) - Rapid Operation Line Finder and Outgoing Repeater Test Set — (Box Type)
814-606-150	5	(J33302) - Sender-Identifier-Transverter Test Frame and Line Verification Unit — (AMA) — No. 1 Office	814-637-150	1	(J34730) - Trunk Test Set For Testing Multi-Frequency Pulsing Non-CAMA Outgoing Trunk Arranged For Timed Disconnect — (Box Type) — Common Control
814-607-150	10	(J93402) - Outputser-Identification-Trunk Test Frames — Automatic Number Identification-Type B (also numbered 815-409-150 and 816-205-150)	814-637-151	6	(J94710) - Trunk Test Set — (Box Type)
814-608-150	5	(J33601) - Line Insulation Test Frame — No. 1 and 350A Offices	814-638-150	8	(J34722) - Connector, Selector and Trunk Test Set — Noncoin — (Box Type) — No. 355A, 356A, and 35E97 Offices
Add 814-609-150	1		814-638-151	5	(J94704) - Line Finder, Selector, and Connector Test Set — (Box Type) — No. 350A and 360A Offices and 701A, 701B, 702A, 711A and 711B PBXs
814-609-150	2	(J34305) - Remote Office Test Line Equipment — No. 1, 350A, 355A, 360A, and 35E97 Offices	814-639-150	4	(J34719) - Connector Test Set — (Box Type)
Add 814-609-151	1		814-640-150	3	(J34725) - Register Test Set — (Box Type) — No. 1, 350A, 355A, and 356A Offices
814-609-151	2	(J34306) - Remote Office Test Line-2 Equipment — No. 1, 350A, 355A, 35E97 or Intertoll Dialing CAMA Office	814-640-151	5	(J34706) - Register Test Set — (Box Type)
814-609-152	4	(J34307) - Remote Office Test Line-3 — No. 1, 350A, 355A, 35E97 or Intertoll Dialing Office or 701B PBX Office	814-641-150	3	(J34717) - Pulsing Test Set — (Box Type)
814-609-180	1	Performance Requirements for Expanded Remote Office Test Line (ROTL-2)	814-641-151	4	(J34720) - Pulse Repeating Test Set — (Box Type) — For Testing Repeater "A" Relays
814-610-150	4	(J38935) - Trunk and Outputser Test Frame (AMA) — No. 1 Office	814-642-150	3	(J34726) - Auxiliary Test Set — (Box Type) — For Testing B, C, and F Relays of Line Finders — No. 1 Office
Add 814-620-150	1		814-643-150	5	(J34724) - Message Ticketer Test Set — (Box Type)
814-620-150	5	(J33021) - Dial and Ringer Test Units — No. 1 and 350A Offices	814-644-150	1	(J34731) - Trunk Test Set for ANI-Type D (Portable Box Type)
Add 814-621-150	2		814-644-151	1	(J34732) - Local Directory Assistance Test Set (Portable Box Type) for Use With ANI-Type B, C, or D
814-621-150	10	(J34709) - Miscellaneous Test Line Units and Jack Equipments — No. 1, 350A, 360A, and 702A PBX Offices	814-644-152	1	(J34733) - AIS Outgoing Trunk Test Set for ANI-Type C or D (Portable Box Type)
814-622-150	3	(J33018) - Miscellaneous Test Units Associated With Local Test Desks No. 12C and 14 — Local Test Cabinet No. 3 and Repair Service Desk No. 2	814-645-150	1	(J34734) - Converter Tests Set for Touch-Tone Type E (Portable Box Type)
Test Sets			Alarm Equipments		
814-630-150	6	(J34728) - Automatic Call Thru Test Set — (Box Type) — For Testing of Switch Trains (also numbered 809-259-150)	Add 814-675-150	1	
Add 814-631-150	1		814-675-150	12	(J38304) - No. 1, 350A Dial Offices and 702A PBX Offices (also numbered 809-250-150)
814-631-150	3	(J34727) - Test Set — (Box Type) — Common Control			
814-632-150	1	(J38913) - CAMA Test Set — (Box Type) — Intertoll Dialing Office			

Section Number	Issue	Subject
814-676-150	6	(J33022) - Maintenance Alarm Bay and Alarm Equipments — No. 355A Offices
814-676-151	2	(X61383) - Office Alarm Equipment or Additions of 11'-6" Frames to 9' Frame Offices in Which an Alarm Rack Is Installed

DIVISION 816 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — NO. 1 CROSSBAR SYSTEM

- 816-0 Indexes and General Information
 - 1 Automatic Message Accounting Equipments
 - 2 Automatic Number Identification Equipments
 - 3 Connector and Marker Equipments
 - 4 Junctor and Link Equipments
 - 5 Sender and 6-Digit Translation Equipments
 - 6 Test Equipment and Trouble Indicator Equipment
 - 7 Trunk and Zone Equipments

816-0 INDEXES AND GENERAL INFORMATION

- ◆ 816-000-000 12 Numerical Index — Division 816 — Equipment Design and General Equipment Requirements and Engineering Information — No. 1 Crossbar System

General

816-005-100	2	Equipment Nomenclature
816-006-180	3	Central Office Equipments — Detailed Inspection Procedures
Add 816-007-181	1	
816-007-181	4	Central Office Equipments — Performance Requirements
816-008-150	1	(J29258) - Requirements Applying to Small Offices
816-009-200	3	(J29254) - Installation of Additions to Central Offices
Add 816-010-150	1	
816-010-150	3	(J29255) - Office Junctor Redistribution Procedures for the Installation of Additions to Central Offices
816-011-150	3	(J29256) - Line Junctor Redistribution Procedures for the Installation of Additions to Central Offices
816-012-150	1	(J29252) - Centralized "A" and "B" Switchboard Equipment — Engineering Information
816-014-180	1	Procedure for Making Cutover Preparation Tests During Installation Load Test

Cabling and Wiring

816-015-150	6	(J20150) - Switchboard Power Cabling of Miscellaneous Wiring of Major Frames
816-016-150	5	(J20151) - Limiting Resistance of Leads Between Frames and Units

Miscellaneous Frames and Relay Rack Equipments

816-020-150	2	(J27058) - Line Distributing Frame
816-021-150	2	(J27057) - Message Register Distributing Frame
Add 816-022-150	1	
816-022-150	7	(J22750) - Office Interrupter Frame
Add 816-023-150	2	
816-023-150	13	(J28351) - Floor Alarm Frame for Use in Offices with No. 301C Power Plants
816-024-150	8	(J23051) - Miscellaneous Frame Equipment
Add 816-025-150	1	
816-025-150	4	(J27050) - Message Register Rack (Unit Type) and Message Timing Frame
816-026-150	10	(J23052) - Relay Rack Equipment
Add 816-027-150	1	
816-027-150	11	(J23066) - Auxiliary Relay Rack Mounted Equipment — Crossbar Tandem System (also numbered 817-041-150)
Add 816-028-150	1	
816-028-150	8	(J91104) - Relay Rack Equipment — For 13C, 13D, 15C, and 15D Switchboards — No. 1 and No. 5 Crossbar Panel, No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 814-050-152, 815-075-152, 818-081-151, and 819-080-150)
816-028-151	7	(J91101) - Relay Rack Equipment — For 15C and 15D "A" Switchboards
816-029-150	4	(J91103) - 15D "A" Switchboard
Add 816-030-150	1	
816-030-150	1	(J25151) — Multifrequency Pulsing — Receiver Frame

Miscellaneous Equipments

816-040-150	6	(J25551) - End Guards, Aisle Pilot Lamp Supports, Distributing Power Terminal Strip Supports, Record Books and Holders, Spare Fuse Mountings, and Print Display Boards
Add 816-042-150	1	
816-042-150	3	(J21556) - Number Checking Equipment
Add 816-043-150	1	
816-043-150	5	(J27059) - Traffic Register Equipment Using 300-Capacity Traffic Register Cabinet
Add 816-044-151	1	
816-044-151	9	(J27054) - Traffic Register Equipment Using 400-Capacity Traffic Register Rack
816-045-150	4	(J99230) - Modification Requirements for Line Load Control and Associated Traffic Load Indicating Devices
816-060-180	2	Inspection Requirements — Vertical Drive Shafts and Associated Apparatus

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816-1 AUTOMATIC MESSAGE ACCOUNTING EQUIPMENTS			816-202-150	5	(J99250) - Line Verification and Miscellaneous Relay Rack Equipment — Type B
Add 816-100-150	1		816-203-150	8	(J95109) - Number Network "X" Number Network, and Miscellaneous Number Network Frames — Type B — No. 1 Crossbar, Panel, and Step-by-Step Systems (also numbered 814-202-150 and 815-303-150)
816-100-150	2	(J22472) - Auxiliary Transverter Link Frame	816-204-150	9	(J95107) - Outpulser Frame — Type B — No. 1 Crossbar, Panel, and Step-by-Step Systems (also numbered 814-204-150 and 815-301-150)
Add 816-101-150	2		816-205-150	10	(J93402) - Outpulser-Identifier-Trunk Test Frames — Type B (also numbered 814-607-150 and 815-409-150)
816-101-150	10	(J22151) - Call Identity Indexer Frames and Units — Paper and Magnetic Tape Recording — No. 1, No. 5 and Crossbar Tandem — No. 4 Type Toll Switching	816-206-150	9	(J93403) - Trouble Ticketer Frame — Type B (also numbered 814-600-150 and 815-408-150)
Add 816-102-150	1		816-207-150	10	(J95108) - Trunk Frames — Type B (also numbered 814-507-151 and 815-302-150)
816-102-150	2	(J22450) - Calling Line Register Frame			
816-103-150	3	(J22150) - District Group Connector Frame	816-3 CONNECTOR AND MARKER EQUIPMENTS		
816-104-100	3	(J22457) - General — Operating and Equipment Features	Connector Equipments		
816-105-150	4	(J22455) - Maintenance Recorder Frame	Add 816-300-150	1	
Add 816-106-150	2		816-300-150	5	(J27851) - Line Choice Connector Frame and Line Junctor Connector Frame
816-106-150	11	(J22451) - Master Timing Frame — Paper and Magnetic Tape Recording — No. 1, No. 5, and Crossbar Tandem — No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 814-117-151, 817-105-150, 818-112-150, and 819-120-150)	Add 816-301-150	1	
816-107-150	12	(J22456) - Perforator Cabinet — Perforator and Reader Cabinet — Call Count Process Control Register Equipment (also numbered 814-116-150, 817-121-150, 818-111-150, and 819-115-150)	816-301-150	8	(J27852) - Number Group Connector Frame, Block Relay Frame and Relay Rack Mounted Direct Access Pretranslator Connector Equipment
Add 816-108-150	1		Add 816-302-150	2	
816-108-150	12	(J22462) - Recorder Frames — No. 1, No. 5, and Tandem Crossbar, No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 814-115-151, 817-120-150, 818-108-150, and 819-114-150)	816-302-150	6	(J28750) - Originating Marker Connector Frame
816-109-150	6	(J22460) - Translator Frame	816-303-150	4	(J21555) - Sender Test Connector Frame
Add 816-109-151	2		816-304-150	6	(J28850) - Terminating Marker Connector Frames
816-109-151	5	(J99301) - PBX AIOD Translator and Connector Equipment — Automatic Message Accounting or Automatic Number Identification	Add 816-305-150	1	
816-110-150	3	(J22152) - Transverter Connector Frame	816-305-150	1	(J28158) - Outgoing Sender Connector Frame and Associated Equipment Units
Add 816-110-151	1		Marker Equipments		
816-110-151	7	(J22463) - Transverter Frame	Add 816-350-150	1	
Add 816-110-152	1		816-350-150	12	(J2751) - Originating Marker Frame
816-110-152	6	(J22453) - Transverter Trouble Indicator Frame	816-351-150	9	(J28853) - Terminating Marker Frame
Add 816-111-150	1		816-4 JUNCTOR AND LINK EQUIPMENTS		
816-111-150	1	(J22476) - AMA Translator Line Verification Test Circuit Equipment Units	Junctor Equipments		
816-2 AUTOMATIC NUMBER IDENTIFICATION EQUIPMENTS			816-400-150	9	(J27551) - District or Auxiliary District Junctor Frame
816-200-180	4	Performance Requirements — Type B	816-401-150	5	(J27053) - District Junctor Grouping Frame
816-201-150	6	(J95105) - Identification Frame — Type B — No. 1 Crossbar, Panel, and Step-by-Step Systems (also numbered 814-201-150 and 815-300-150)	Add 816-402-150	1	
			816-402-150	4	(J27052) - Office Junctor and Line Junctor Grouping Frames

Section Number	Issue	Subject
Link Equipments		
Add 816-425-150	2	
816-425-150	5	(J95104) - Auxiliary Sender Link Frame and Auxiliary Sender Link Extension Frame
816-426-150	5	(J27552) - District Link Frame
Add 816-427-150	1	
816-427-150	6	(J27752) - Incoming Link and Incoming Extension Frames
Add 816-428-150	3	
816-428-150	6	(J21551) - Keypulsing Sender Link Frame or Coin Supervisory Link Frame
816-429-150	8	(J27450) - Line Link Frame
Add 816-430-150	1	
816-430-150	8	(J27650) - Office Link and Office Extension Frames
816-431-150	10	(J27550) - Subscriber or Auxiliary Subscriber Sender Link Frame
816-432-150	7	(J27750) - Terminating Sender Link Frame
Add 816-433-150	1	
816-433-150	1	(J27557) - Outgoing Sender Link Frame for Use With Line Link Pulsing

816-5 SENDER AND 6-DIGIT TRANSLATION EQUIPMENTS

Section Number	Issue	Subject
Sender Equipments		
Add 816-500-150	1	
816-500-150	6	(J95103) - Auxiliary Sender Frame
816-500-170	2	Auxiliary Sender Equipment for Direct Distance Dialing — Engineering Information
816-500-180	1	Auxiliary Sender and Auxiliary Sender Link Circuit — Performance Requirements
816-502-150	14	(J27951) - Originating Sender Frame
Add 816-503-150	1	
816-503-150	19	(J27950) - Sender Make-Busy Frame
816-504-150	2	(J28052) - Sender and Position Finder Frame for Use With a Central "B" Switchboard
Add 816-505-150	2	
816-505-150	13	(J28050) - Terminating Sender Frame
816-506-150	3	(J27977) - Outgoing Sender Frame and Automatic Intercept Service Frame

6-Digit Translation Equipments

816-550-150	2	(J95112) - Translator Connector, and Route Grouping Frames
Add 816-551-150	1	
816-551-150	3	(J95111) - Code Compressor and Connector Frames and Subscriber Sender Recycle Frame
Add 816-560-150	1	
816-560-150	1	(J22475) - Line Link Pulsing Translator Frame

816-6 TEST EQUIPMENT AND TROUBLE INDICATOR EQUIPMENT

Section Number	Issue	Subject
Test Equipments		
816-600-150	13	(J27553) - District Junctor Test Frame
Add 816-601-150	2	
816-601-150	12	(J27753) - Incoming Trunk Test Frame and Incoming Trunk Test Connector Frame (also numbered 817-701-150)
816-601-152	2	(J24004) - Recorder Frame
816-601-153	1	(J28555) - Remote Office Test Line — Crossbar Tandem and No. 1 Crossbar Switching System (also numbered 817-701-154)
Add 816-601-154	2	
816-601-154	13	(J67447) — Automatic Outgoing Intertoll Trunk Test and Connector Frames — Automatic Transmission Test and Control Frames — Teletypewriter Frame — Floor Model 28-Type Teletypewriter — No. 4 Type Toll Switching Systems, Crossbar Tandem Switching System (also numbered 817-706-150 and 818-706-150)
Add 816-602-150	1	
816-602-150	4	(J23651) - Line Insulation Test Frame
Add 816-603-150	1	
816-603-150	12	(J27952) - Originating Sender Test Frame
816-604-150	18	(J28550) - Outgoing Trunk Test Frame (also numbered 817-700-150)
816-605-150	7	(J93005) - Plugging-Up Frame — Central "A" Switchboard Office
Add 816-606-150	3	
816-606-150	11	(J28051) - Terminating Sender Test Frame
816-607-150	6	(J21554) - Zone Registration Test Frame
816-608-150	3	(J24751) - Incoming Trunk Test Set (Wagon Type)
816-609-150	1	(J27060) - Key Pulsing Set for Establishing Connections to Subscriber Lines by MF Key Operation
Add 816-610-150	1	
816-610-150	4	(J24750) - Message Register Test Set (Box Type)
816-610-151	5	(J34724) - Message Ticketer Test Set — (Box Type)
816-611-150	3	(J24758) - Trunk Test Set — LAMA, ANI, Operator Assistance Special Toll Trunks — Coin or Noncoin
Add 816-612-150	1	
816-612-150	2	(J94721) - Coin Zone Trunk Test Set — (Box Type)
Add 816-613-150	1	
816-613-150	1	(J22477) - Direct Inward Dialing — Test Frame

Section Number	Issue	Subject
Trouble Indicating Equipment		
Add 816-620-150	2	
816-620-150	5	(J23251) - Controller Trouble Indicator Frame
816-621-150	17	(J28752) - Originating Trouble Indicator Frame
816-622-150	13	(J28854) - Terminating Trouble Indicator Frame
816-7 TRUNK AND ZONE EQUIPMENTS		
Add 816-700-150	2	
816-700-150	6	(J27751) - Incoming Trunk Frames for Use With 100-Trunk Capacity Incoming Link Frames
816-701-170	4	Permanent Signal Holding and Concentrating Arrangements — Engineering Information
Add 816-702-150	1	
816-702-150	6	(J28650) - Regular, Auxiliary, and Supplementary Incoming Trunk Frames for Use With 160-Trunk Capacity Incoming Link Frames
816-703-150	1	(J21557) - Coin Supervisory — Concentrator and Trunk Equipment
816-720-150	4	(J99256) - Concentrating Frame — For Coin Zone Trunk Units
816-721-151	6	(J99229) - Dial Coin Zone Trunk Frame
816-722-150	4	(J21553) - Zone Registration Equipment

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 - 2 Link, Junctor, and Connector Equipments
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 - 5 Traffic Service Position and Data Equipments
 - 6 Trunk Equipments
 - 7 Test and Alarm Equipments

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- 817-013-180 9 Performance Requirements

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817-014-180	3	Detailed Inspection Procedures
817-016-170	2	(J29268) - Provision of ANI Operation in CAMA Offices — Modification Procedures
817-018-150	3	(J29255) - Office Junctor Redistribution Procedures for the Installation of Additional Trunk and Office Link Frames

Cabling and Wiring

- 817-035-150 2 (J20152) - Switchboard Power Cabling — Miscellaneous Wiring of Major Frames
- 817-036-150 3 (J20156) - Limiting Conductor Lengths Between Frames and Units

Miscellaneous Frames and Relay Rack Equipments

- 817-040-150 10 (J23052) - Relay Rack Equipment
- Add 817-041-150 1
- 817-041-150 11 (J23066) - Auxiliary Relay Rack Mounted Equipment — (also numbered 816-027-150)
- 817-042-150 7 (J22750) - Office Interrupter Frame
- Add 817-043-150 1
- 817-043-150 3 (J28762) - Group-Busy Frame
- Add 817-044-150 1
- 817-044-150 1 (J25151) - Multifrequency Pulsing — Receiver Frame
- 817-045-150 4 (J27050) - Message Register Rack (Unit Type) and Message Timing Frame
- 817-047-150 3 (J22653) - Traffic Supervisory Cabinet
- 817-048-151 3 (J99324) - Announcement Frame — No. 5A Announcement System

Miscellaneous Equipments

- 817-060-150 6 (J25551) - End Guards, Aisle Pilot Lamp Supports, Distributing Power Terminal Strip Supports, Record Books and Holders, Spare Fuse Mountings and Print Display Boards
- 817-062-150 4 (J92608) - Sender Attachment Delay Equipment (also numbered 818-084-150)
- Add 817-064-150 1
- 817-064-150 5 (J27059) - Traffic Register Equipment Using 300-Capacity Traffic Register Cabinet
- Add 817-064-151 1
- 817-064-151 9 (J27054) - Traffic Register Equipment Using 400-Capacity Traffic Register Rack
- Add 817-065-150 1
- 817-065-150 1 (J27061) - Point-to-Point Data Recorder Frame
- 817-070-180 2 Inspection Requirements — Vertical Drive Shafts and Associated Apparatus

Section Number	Issue	Subject	Section Number	Issue	Subject
817-1 AUTOMATIC MESSAGE ACCOUNTING EQUIPMENTS			817-202-150	6	(J28450) - Sender Link Frame
817-100-170	2	Centralized AMA — Operator Identified	Add 817-203-150	1	
Add 817-101-150	2		817-203-150	3	(J28765) - 10-Digit Incoming Register and Link Frames
817-101-150	8	(J21350) - CAMA Switchboard (also numbered 814-118-150, 818-102-150, and 819-101-150)	Juncture Equipments		
817-102-150	3	(J1P004) - Computerized Recording — Automatic Message Accounting — CAMA-C (also numbered 818-114-150)	817-210-150	4	(J27052) - Office Junctor and Line Junctor Grouping Frames
Add 817-105-150	2		Connection Equipments		
817-105-150	11	(J22451) - Master Timing Frame — Paper and Magnetic Tape Recording — No. 1, No. 5, and Crossbar Tandem — No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 814-117-151, 816-106-150, 818-112-150, and 819-120-150)	817-215-150	6	(J28150) - Marker Connector Frames
Add 817-106-150	1		817-3 SENDER, MARKER, AND TRANSLATOR EQUIPMENTS		
817-106-150	5	(J22464) — Billing Indexer Frame (also numbered 818-109-150)	Sender Equipments		
Add 817-107-150	2		Add 817-300-150	1	
817-107-150	10	(J22151) - Call Identify Indexer Frames and Units — Paper and Magnetic Tape Recording — No. 1, No. 5 and Crossbar Tandem — No. 4 Type Toll Switching	817-300-150	8	(J27953) - RP, MF, and DP Sender Frames
817-108-150	4	(J28053) - Position Link Frame	817-301-150	8	(J27969) - DP and MF Sender Frames
Add 817-110-150	2		Add 817-301-151	1	
817-110-150	2	(J22155) - Sender Register Connector Frame	817-301-151	8	(J27968) - Functional DP and MF Sender Units
Add 817-111-150	4		Add 817-302-150	3	
817-111-150	2	(J27755) - Incoming Register and Link Frame	817-302-150	5	(J27961) - PCI Sender Frame
817-112-150	6	(J22465) - Transverter Frame	Marker Equipments		
Add 817-112-151	1		817-310-150	4	(J28761) - Marker Frame (Ring Type)
817-112-151	4	(J22154) - Transverter Connector Frames	817-310-151	11	(J28753) - Marker Frame (Route Relays)
Add 817-120-150	1		Translator Equipments		
817-120-150	12	(J22462) - Recorder Frames — No. 1, No. 5, and Tandem Crossbar, No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 814-115-151, 816-108-150, 818-108-150, and 819-114-150)	Add 817-315-150	1	
817-121-150	12	(J22456) - Perforator Cabinet — Perforator and Reader Cabinet — Call Count Processor Control Register Equipment — Billing Data Transmitter Frame — No. 1, No. 5 and Tandem Crossbar, No. 4 Type Toll Switching, and Step-By-Step Systems (also numbered 814-116-150, 816-107-150, 818-111-150, and 819-115-150)	817-315-150	2	(J28772) - Translator Frame
			817-316-150	2	(J22474) - Pretranslator Frames
817-2 LINK, JUNCTOR, AND CONNECTOR EQUIPMENTS			817-5 TRAFFIC SERVICE POSITION AND DATA EQUIPMENTS		
Link Equipment			817-500-150	1	(J29271) - Operation of CAMA Offices With 100A TSP — Modification Procedures
817-200-150	4	(J27554) - Trunk Link and Trunk Link Extension Frames	Add 817-504-150	1	
Add 817-201-150	1		817-504-150	4	(J92905) - Automatic Operator Training Equipments
817-201-150	8	(J27650) - Office Link and Office Extension Frames	Add 817-505-150	2	
			817-505-150	5	(J99268) - 100A Traffic Service Position Section and Associated Operating Room Equipment
			Add 817-505-151	2	
			817-505-151	4	(J99286) - Position and Position Control Frames and Units and Associated Signaling Equipment for Remote Operation
			Add 817-505-152	1	
			817-505-152	1	(J99318) - Night and Twilight Transfer Control Frames
			817-505-153	3	(J28778) - Traffic Control Frame and Traffic Control Console
			817-506-150	2	(J99293) - Corboard Transfer Trunk Finder Frame

Section Number	Issue	Subject	Section Number	Issue	Subject
Add 817-510-150	2		Add 817-706-150	2	
817-510-150	1	(J99269) - Link and Connector Frames	817-706-150	13	(J67447) - Automatic Outgoing Interall Trunk Test and Connector Frames — Automatic Transmission Test and Control Frames — Teletypewriter Frame — Floor Model 28-Type Teletypewriter — No. 4 Toll Switching Systems, Crossbar Tandem Switching System (also numbered 816-601-154 and 818-706-150)
Add 817-511-150	1				
817-511-150	2	(J99270) - Link Controller Frame			
817-516-150	5	(J99274) - Coin Charge Computer Frame			
817-516-151	5	(J99273) - Rater Frames and Associated Equipment	Add 817-710-150	2	
817-521-150	2	(J28773) - Timer Link and Control Frame	817-710-150	9	(J23351) - Sender Test Frames — Sender and Register Test Connector Frames
Add 817-530-150	3				
817-530-150	4	(J99275) - Relay-Rack Mounted Equipment Units	Add 817-711-150	1	
			817-711-150	7	(J24350) - Trunk Automatic Test and Connector Frames — (AMA TSP)
Add 817-540-150	2				
817-540-150	3	(J22156) - Data Transfer Frames	Add 817-715-150	2	
			817-715-150	1	(J99299) - Position Test Frames — Position and Position Control Test Units — (TSP)
817-6 TRUNK EQUIPMENTS					
817-600-150	9	(J29270) - Trunk Tables — Listing Trunk Unit Equipment, Features, and Options	Add 817-716-150	1	
817-601-150	10	(J27250) - Incoming Trunk Frames	817-716-150	4	(J99277) - Rater-Charge Computer Test Frame — (TSP)
Add 817-602-150	1				
817-602-150	5	(J27252) - Two-Way Trunk Frames	Test Sets		
817-610-150	2	(J99304) - TSP Operator Outgoing Trunk Frames	Add 817-720-150	2	
817-611-150	4	(J27253) - Traffic Service Position Trunk Frames	817-720-150	8	(J24752) - Trunk Test Set (Wagon Type) and Associated Equipment
817-615-150	5	(J27251) - AMA Trunk Frames	817-721-150	1	(J94722) - Auxiliary Trunk Test Set (Box Type)
			817-722-150	4	(J24750) - Message Register Test Set (Box Type)
817-7 TEST AND ALARM EQUIPMENTS			817-723-150	5	(J24753) - Test Set for Timing Tests
Test Frames			817-730-150	7	(J23259) - Trouble Recorder and Connector Frames
817-700-150	18	(J28550) - Outgoing Trunk Test Frame (also numbered 816-604-150)	Add 817-731-150	3	
Add 817-701-150	2		817-731-150	8	(J21850) - Sender Make-Busy Frame
817-701-150	12	(J27753) - Incoming Trunk Test Frame and Incoming Trunk Test Connector Frame (also numbered 816-601-150)	817-732-150	3	(J22466) - Line Observing Frame — (AMA)
817-701-152	2	(J24004) - Recorder Frame	Alarm Equipments		
Add 817-701-153	1		Add 817-740-150	3	
817-701-153	2	(J23267) - Reorder Analysis and Data Connector Frame, Processor and Interface Cabinets for Computerized Maintenance and Administration Support	817-740-150	6	(J28352) - Floor Alarm Unit
817-701-154	1	(J28555) - Remote Office Test Line — Crossbar Tandem and No. 1 Crossbar Switching System (also numbered 816-601-153)			
Add 817-702-150	1				
817-702-150	3	(J24050) - Trunk Test Frame for Use With Remote Control Zone Registration Trunks	DIVISION 818 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — NO. 4 TYPE TOLL SWITCHING SYSTEMS		
Add 817-705-150	2				
817-705-150	10	(J98501) - Manual Outgoing Trunk Test Frame and Outgoing Trunk Test Jack Bay (also numbered 818-708-150 and 819-710-150)	818-0		Indexes, General Information, and Miscellaneous Equipments
			-1		Automatic Message Accounting Equipments
			-2		Incoming Link, Outgoing Link, and Junctor Grouping Equipments
			-3		Sender, Register, Outpulser, Sender Link, Register Link, Outpulser Link, and Link Controller Equipments
			-4		Decoder, Translator, Marker, and Block Relay Equipments
			-6		Trunk and Trunk Assignment Equipments
			-7		Test, Maintenance, and Alarm Equipments

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818-0 INDEXES, GENERAL INFORMATION, AND MISCELLANEOUS EQUIPMENTS

Indexes

• ♦ 818-000-000 19 Numerical Index — Division 818 — Equipment Design and General Equipment Requirements and Engineering Information — No. 4 Type Toll Switching Systems

General

818-005-100 1 Equipment Nomenclature — No. 4M Office

818-005-150 6 (J69202) - General Outline — Operating and Equipment Features — No. 4A Office

818-005-170 1 General — No. 4M Office — Engineering Information

818-005-171 1 General — No. 4A Office — Engineering Information

818-007-150 3 (J69208) - Modification of No. 4M and Converted No. A4A Offices to Provide Separate Train-Combined Operation

818-007-151 1 (J69209) - Modification of No. 4A and Converted No. A4A Combined Train Offices to Provide Separate Train-Combined Operation — No. 4A Office

Add 818-007-152 1

818-007-152 2 (J69212) - Modification Procedures to Provide Increased Capacity Features

Add 818-007-153 1

818-007-153 2 (J69213) - Modification of Existing No. 4 Type Toll Offices for Electronic Translator System

818-007-154 2 (J69214) - Peripheral Bus Computer Retrofit Procedures for No. 4 Toll Offices Equipped With Electronic Translator System

818-010-180 4 Performance Requirements

818-011-150 3 (J67456) - Junctor Distribution — No. 4A Office

818-011-151 2 (J67410) - Junctor Distribution — No. 4M Office

Add 818-011-152 1

818-011-152 3 (J67470) - Junctor Distribution — Direct Cabling TBC Plan — No. 4A Office

818-011-153 1 (J67495) - Junctor Distribution Cabling TC Plan — No. 4A Office

Cabling, Wiring, and Lighting

818-030-150 3 (J60101) - Switchboard Power Cabling

818-031-150 5 (J60103) - Limiting Conductor Lengths — Office Wiring

Miscellaneous Frames

818-040-150 4 (J67422) - Office Interrupter Frame

Section Number	Issue	Subject
818-041-150	11	(J67444) - Alternate Route Traffic Control, Traffic Control — Network Control Frames and Auxiliary Recording Control Units
818-042-150	3	(J67450) - Sender Traffic Control Frame
Add 818-043-150	1	
818-043-150	5	(J67424) - Frame Identification Frequency Supply and Control Frame
818-044-150	3	(J67465) - Outgoing Trunk Identification Frame
818-045-150	3	(J99324) - Announcement Frame — No. 5A Announcement System
818-046-150	8	(J67448) - Circuits Busy Announcement Trunk Frame
818-047-150	3	(J22466) - Line Observing Frame (AMA)
818-048-150	3	(J67492) - Miscellaneous Frame for Electronic Equipment
818-050-150	1	(J67516) - Transceiver and Connector Frame

Miscellaneous Equipments

818-080-150	6	(J25551) - End Guards Aisle Pilot Lamp Supports, Distributing Power Terminal Strip Supports, Record Books and Holders, Spare Fuse Mountings, and Print Display Boards
818-081-150	15	(J61564) - Miscellaneous Relay-Rack Mounted Units — No. 4 Type Toll Switching and No. 5 Crossbar Systems (also numbered 819-083-150)
Add 818-081-151	1	
818-081-151	8	(J91104) - Relay Rack Equipment — For 13C, 13D, 15C, and 15D Switchboards — No. 1 and No. 5 Crossbar Panel, No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 814-050-152, 815-075-152, 816-028-150, and 819-080-150)
818-081-152	1	(J67505) - Remote Network — Management Control Units
Add 818-082-150	2	
818-082-150	6	(J62601) - Traffic Register Equipment
818-082-151	7	(J62603) - Traffic Register Equipment
818-082-152	2	(J67509) - Traffic Usage Interface and Supplementary Traffic Usage Interface Frames
818-083-150	6	(J62604) - Traffic Supervisory Rack
Add 818-083-151	2	
818-083-151	5	(J62607) - Traffic Supervisory and Register Rack and Auxiliary Traffic Supervisory Cabinet Equipments
818-084-150	4	(J92608) - Sender Attachment Delay Equipment (also numbered 817-062-150)
818-085-150	3	(J67506) - PBC Interface and Control Cabinet

Section Number	Issue	Subject	Section Number	Issue	Subject
818-085-151	2	(J67507) - Peripheral Bus Computer Central Processor Unit	818-114-150	3	(J1P004) - Computerized Recording — Automatic Message Accounting — CAMA-C — Crossbar Tandem (also numbered 817-102-150)
818-086-150	1	(J67512) - Frame Identification Frequency Supply Unit			
818-087-150	1	(J67524) - PBC-I/O Terminal Transfer Unit			
818-1 AUTOMATIC MESSAGE ACCOUNTING EQUIPMENTS			818-2 INCOMING LINK, OUTGOING LINK, AND JUNCTOR GROUPING EQUIPMENTS		
			Incoming and Outgoing Link Frames		
818-100-170	1	CAMA Facilities — General — Automatic Message Accounting — Engineering Information	Add 818-200-150	1	
818-101-150	1	(J69210) - CAMA Modification Procedures	818-200-150	10	(J67437) - Incoming Link Frame — Primary and Secondary Extension Frames
Add 818-102-150	2		Add 818-200-151	1	
818-102-150	8	(J21350) - CAMA Switchboard (also numbered 814-118-150, 817-101-150, and 819-101-150)	818-200-151	3	(J67493) — Incoming Link Frame (Small Switches) — Junctor and Trunk Extension Frames
818-103-150	4	(J28053) - Position Link Frame	Add 818-201-150	1	
Add 818-104-150	2		818-201-150	6	(J67438) - Outgoing Link Frame — Primary and Secondary Extension Frames
818-104-150	3	(J67454) - CAMA Sender Link Frame	818-201-151	4	(J67494) - Outgoing Link Frame (Small Switch) — Junctor and Trunk Extension Frames
818-105-150	7	(J67458) - CAMA Sender Frame			
818-106-150	3	(J67463) - Transverter Frame	Junctor Grouping Frames		
Add 818-106-151	1		Add 818-210-150	1	
818-106-151	1	(J67464) - Transverter Connector Frame	818-210-150	3	(J67409) - Junctor Grouping Frames
Add 818-107-150	1		818-3 SENDER, REGISTER, OUTPUTSER, SENDER LINK, REGISTER LINK, OUTPUTSER LINK, AND LINK CONTROLLER EQUIPMENTS		
818-107-150	1	(J67459) - Trunk Class Translator and Supplementary Trunk Class Translator Frames	Sender and Outpulsing Equipments		
Add 818-108-150	1		818-300-150	8	(J67430) - Incoming Sender Frames — DP and MF Sender Equipment Units — No. 4A Office
818-108-150	12	(J22462) - Recorder Frames — No. 1, No. 5 and Tandem Crossbar, No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 814-115-151, 816-108-150, 817-120-150, and 819-114-150)	818-301-150	6	(J67452) - Incoming Sender Frames — DP and MF Sender Equipment Units — No. 4M Office
Add 818-109-150	1		818-302-150	8	(J67431) - Incoming DP and MF Sender Equipment Subunits
818-109-150	5	(J22464) - Billing Indexer Frames (also numbered 817-106-150)	818-303-150	7	(J67468) - Incoming MF Sender Frame — No. 4A Office
Add 818-110-150	2		Add 818-304-150	1	
818-110-150	10	(J22151) - Call Identity Indexer Frames and Units — Paper and Magnetic Tape Recording — No. 1, No. 5 and Crossbar Tandem	818-304-150	5	(J67467) - Overseas Sender Frame
818-111-150	12	(J22456) - Perforator Cabinet — Perforator and Reader Cabinet — Call Count Process Control Register Equipment (Also numbered 814-116-150, 816-107-150, 817-121-150, and 819-115-150)	818-305-150	7	(J67413) - Outgoing Sender Frames — REV, PCI, SXS and CA Sender Equipment Units
Add 818-112-150	2		Sender Link, Register Link, Outputser Link, Link Controller Equipments		
818-112-150	11	(J22451) - Master Timing Frame — Paper and Magnetic Tape Recording — No. 1, No. 5, and Crossbar Tandem — No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 814-117-151, 816-106-150, 817-105-150, and 819-120-150)	Add 818-330-150	2	
818-113-150	2	(J67460) - Trouble Recorder Connector Frame	818-330-150	8	(J67402) - Incoming and Outgoing Sender Link Frames
			Add 818-331-150	1	
			818-331-150	13	(J67407) - Link Controller and Connector and Supplementary Link Controller Frames
			Add 818-334-151	1	
			818-334-151	1	(J67501) - Outputser Link Controller Frame

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Add 818-335-151	1	
818-335-151	1	(J67499) - Outpulser Link Frame

Incoming Register Equipments

818-340-150	5	(J67457) - Incoming Register and Link Frame
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818-4 DECODER, TRANSLATOR, MARKER, AND BLOCK RELAY EQUIPMENTS

Decoder Equipments

Add 818-400-150	2	
818-400-150	9	(J67439) - Decoder Frame
Add 818-401-150	1	
818-401-150	10	(J67449) - Decoder Connector Frame and Supplementary Decoder Connector Frame

Translator Equipments

Add 818-420-150	1	
818-420-150	6	(J67442) - Card Translator Equipment
Add 818-421-150	1	
818-421-150	7	(J67445) - Foreign Translator Connector Frame and Emergency Translator Connector Frame
Add 818-422-150	1	
818-422-150	1	(J67469) - Pretranslator Frame
818-425-150	2	(J67471) - Decoder Channel Frame
Add 818-425-151	1	
818-425-151	2	(J67472) - Peripheral Scanner Frame
818-425-152	3	(J67473) - Distributor Register Frame
818-425-153	2	(J67474) - Alarm and Display Frame
818-425-154	4	(J67475) - Power Distributing Frame and Miscellaneous Power Distributing Units
818-425-155	1	(J67476) - Peripheral Function Translator Unit — Electronic Translator System
818-425-156	3	(J67479) - Teletypewriter Buffer Frame
818-425-161	3	(J67504) - Common Channel Interoffice Signaling — Terminal Group — No. 4A Toll Switching System or Traffic Service Position System No. 1 or 1B
818-425-163	1	(J67511) - Distributor and Scanner Frame
818-425-164	2	(J67514) - Common Channel Interoffice Signaling Voice Frequency Link Access Frame — No. 4A Toll Switching System or Traffic Service Position System No. 1 or 1B

Marker Equipments

Add 818-450-150	1	
818-450-150	12	(J67440) - Marker Frame
Add 818-451-150	2	
818-451-150	7	(J67446) - Marker Connector Frames

Section Number	Issue	Subject
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Block Relay Equipment

Add 818-480-150	1	
818-480-150	6	(J67408) - Block Relay Frame

818-6 TRUNK AND TRUNK ASSIGNMENT EQUIPMENTS

Trunk Equipments

818-600-150	5	(J69211) - Trunk Tables — Listing Trunk Equipment Units, Features, and Options
818-601-150	6	(J67466) - Trunk Frames for Mounting Plate and Plug-In Units
818-602-150	15	(J61561) - Intertoll Trunks — Relay-Rack Mounted, Trunk-Frame Mounted, and Plug-In Units
818-603-150	15	(J61562) - Incoming Toll Connecting Trunks — Relay Rack Mounted Units
818-604-150	14	(J61563) - Outgoing Toll Connecting Trunk — Relay Rack Mounted and Plug-In Units

Trunk Assignment Equipments

818-630-151	2	(J67434) - Trunk Assignment Distributing Frame
818-631-150	3	(J67421) - Trunk Assignment Patch Bay

818-7 TEST, MAINTENANCE, AND ALARM EQUIPMENTS

Test Frames

818-701-150	9	(J67443) - Trouble Recorder Frame
Add 818-702-150	1	
818-702-150	3	(J67462) - Incoming Sender and Register Test Frame
818-702-151	1	(J67508) - Outpulser Link Controller Test Frame
818-703-150	3	(J67436) - Outgoing Sender Test Frame — No. 4A Office
818-704-150	5	(J67419) - Sender Test Connector Frame — No. 4M Office
818-705-150	12	(J67418) - Automatic Outgoing Toll Connecting Trunk — Operational and Transmission Test Frames — Supplementary AOTT Frame, Outgoing Toll Connecting Trunk Test Connector Frame
Add 818-706-150	2	
818-706-150	13	(J67447) - Automatic Outgoing Intertoll Trunk Test and Connector Frame — Automatic Transmission Test and Control frames — Teletypewriter Frame — Floor Model 28-Type Teletypewriter — No. 4 Type Toll Switching Systems, Crossbar Tandem Switching System (also numbered 816-601-154 and 817-706-150)
Add 818-706-151	1	
818-706-151	4	(J67478) - Automatically Directed Outgoing Intertoll Trunk Test Frame, Automatically Directed Outgoing Intertoll Trunk Test Connector Frame and Card Reader Console

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Add 818-706-152	1	
818-706-152	1	(J67513) - Outgoing Trunk Test Connector Frame
818-706-153	1	(J67518) - ATME-2/Foreign Exchange Routine — Evaluation Testing System Interface Frame
818-707-150	4	(J67461) - Automatic Incoming Trunk Test and Connector Frames (CAMA)
818-707-151	2	(J67519) - Signaling Analysis Connector Frame
Add 818-708-150	2	
818-708-150	10	(J98501) - Manual Outgoing Trunk Test Frame and Outgoing Trunk Test Jack Bay (also numbered 817-705-150 and 819-710-150)
818-708-151	4	(J67496) - Manual Test Frame — Test and Make-Busy Jack Frame
818-709-151	2	(J67515) - CCIS Intraoffice Trunk Test Frame
818-709-152	1	(J67521) - Common Channel Interoffice Signaling — Voice Frequency Link Test Frame
Test Sets		
818-740-150	6	(J63525) - Incoming, Outgoing and Intertoll Trunk Test Set (Wagon Type) and Associated Relay Rack Equipment
818-741-150	4	(J64727) - Frame Identification Frequency Supply Test Set (Box Type)
818-742-150	3	(J67453) - Translator Test Set and Associated Equipment
818-743-150	1	(J67477) - Trunk Test Set (Portable Plug-In Type) for MF Pulsing, E & M Lead Supervision Toll Switching Trunks
Maintenance Equipments		
Add 818-760-150	2	
818-760-150	3	(J67427) - Trouble Tracing Step-By-Step Selector Frame for Use With Intertoll Trunk Concentrator
Add 818-761-150	2	
818-761-150	7	(J67435) - Sender Make-Busy Frame and Auxiliary Sender Make-Busy Frame — No. 4A Office
818-761-151	6	(J67416) - Register Make-Busy Frame — No. 4M Office
Alarm Equipments		
Add 818-780-150	2	
818-780-150	5	(J67441) - Floor Alarm Frame
818-780-151	7	(J67423) - Floor Alarm Units

Section Number	Issue	10-002 Sub
DIVISION 819 — EQUIPMENT DESIGN AND GENERAL REQUIREMENTS — AND ENGINEERING INFORMATION NO. 5, AND NO. 5A CROSSBAR SYSTEMS		

- 819-0 Indexes, General Information, and Miscellaneous Equipments.
- 1 Automatic Message Accounting Equipments
 - 2 Link and Junctor Grouping Equipments
 - 3 Marker, Connector, and Number Group Equipments
 - 4 Register, Sender, and Translator Equipments
 - 6 Trunk Equipments
 - 7 Test and Alarm Equipments
 - 9 No. 3 and 5A Crossbar

819-0 INDEXES, GENERAL INFORMATION, AND MISCELLANEOUS EQUIPMENTS

Indexes

- ♠ 819-000-000 48 Numerical Index — Division 819 — Equipment Design and General Equipment Requirements and Engineering Information — No. 3, No. 5, and No. 5A Crossbar Systems

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| Add 819-005-150 | 1 | |
| 819-005-150 | 13 | (J29259) - General Outline — Operating and Equipment Features — Basic No. 5 Crossbar Office |
| 819-005-151 | 4 | (J29274) - General Outline — Automatic Call Distributor — Operating and Equipment Features |
| 819-005-152 | 3 | (J29276) - General Outline — Operating and Equipment Features — Additional Customer Services |
| Add 819-005-153 | 1 | |
| 819-005-153 | 1 | (J29278) — General Outline — Operating and Equipment Features — Billing Arrangements |
| 819-005-154 | 3 | (J29279) - General Outline — Operating and Equipment Features — No. 5 Electronic Translation System |
| 819-006-170 | 1 | Central Office Engineering — General Features and Arrangements — Engineering Information |
| ♠ 819-006-171 | 1 | Arrangements for Meeting Numbering Plan Requirements for Local Area, Interarea, and Intertoll Switching — Engineering Information |
| 819-006-172 | 1 | Tandem and Intertoll Switching Features — Engineering Information |
| 819-006-173 | 1 | Division of Directory Numbers — Terminating Office Considerations — Office A — Office B — Physical and Theoretical Arrangements — Engineering Information |
| 819-006-174 | 2 | 7A Announcement System For Machine Intercept Service — Engineering Information |

Section Number	Issue	Subject	Section Number	Issue	Subject
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819-011-180	3	Detailed Inspection Procedures — Central Office Equipment	Add 819-060-150	1	
819-012-170	4	Permanent Signal Holding and Concentrating Arrangements — Engineering Information	819-060-150	8	(J22752) - Office Interrupter Frame — 30, 60 and 120 IPM
			819-062-150	1	(J27460) - Electronic Frames and Units
Cabling and Wiring			Miscellaneous Equipments		
819-020-150	3	(J29262) - Index of Equipment Cross-Connections	Add 819-080-150	1	
819-021-170	2	Range Limits — Customer Lines and Interoffice Trunking — Engineering Information	819-080-150	8	(J91104) - Relay Rack Equipment — For 13C, 13D, 15C and 15D Switchboards — No. 1 and No. 5 Crossbar Panels, No. 4 Type Toll Switching and Step-by-Step Systems (also numbered 814-050-152, 815-075-152, 816-028-150, and 818-081-151)
Add 819-022-150	1		819-083-150	15	(J61564) - Miscellaneous Relay-Rack Mounted Units — No. 4 Type Toll Switching and No. 5 Crossbar Systems (also numbered 818-081-150)
819-022-150	7	(J20155) - Limiting Conductor Lengths Between Frames and Units—No. 5 ACD System			
Miscellaneous Frames			819-1 AUTOMATIC MESSAGE ACCOUNTING EQUIPMENTS		
Add 819-050-150	1		819-100-170	1	Centralized Automatic Message Accounting — General — Engineering Information
819-050-150	3	(J27975) - 4-Wire Conference Controller Frame	Add 819-101-150	2	
Add 819-050-151	1		819-101-150	8	(J21350) - CAMA Switchboard (also Numbered 814-118-150, 817-101-150, and 818-102-150)
819-050-151	3	(J28775) - Access Group Controller Unit, Called Number Detector Unit, Trunk Group Traffic Sample Frames and Units	819-102-150	3	(J22470) - CAMA Position Link Frame
819-051-150	2	(J28758) - PBX Allotter Frames and Associated Equipment Units	819-103-150	3	(J22468) - CAMA Sender and MF Receiver Frames
819-052-150	1	(J23068) - Coin Zone Concentrator Frame	Add 819-104-150	2	
819-053-150	2	(J27455) - Line Concentrator No. 2A Control Frame	819-104-150	11	(J22459) - LAMA, CAMA, and ANI Transverter Frames and Relay Rack Mounted Units
819-053-180	1	Performance Requirements — Line Concentrator No. 2A	Add 819-104-151	1	
Add 819-054-150	1		819-104-151	4	(J22153) - LAMA, CAMA, and ANI Transverter Connector Frames
819-054-150	4	(J27854) - Transfer Line Identifier Frame — Transfer Supplementary Line Identifier Frame	819-105-150	3	(J22471) - Translator Frame
819-054-151	2	(J27978) - Stuck Sender Trunk Identifier — Frame and Units	819-105-151	6	(J22460) - Translator Frames
819-055-150	3	(J25150) - MF Current Supply Frame and MF Test Current Supply Frame	Add 819-106-150	2	
Add 819-056-150	1		819-106-150	5	(J99301) - PBX AIOD Translator and Connector Equipment — Automatic Message Accounting or Automatic Number Identification
819-056-150	5	(J27055) - Power, Ringing, and Tone Distributing Frame and No-Such-Number Tone Supply Equipment Units	Add 819-107-150	2	
819-056-153	2	(J29272) - Power Ringing, and Tone Distributing Frame and No-Such-Number Tone Supply Equipment Units	819-107-150	10	(J22151) - Call Identity Indexer Frames and Units — Paper and Magnetic Tape Recording — No. 1, No. 5 and Crossbar Tandem — No. 4 Type Toll Switching
Add 819-057-150	1		819-108-150	4	(J22469) - CAMA Billing Indexer Frame
819-057-150	6	(J27056) - Message Register and Message Timing Frames and Associated Equipment Units	Add 819-114-150	1	
Add 819-058-150	1		819-114-150	12	(J22462) - Recorder Frames — No. 1, No. 5, and Tandem Crossbar, No. 4 Type Toll Switching, and Step-by-Step Systems (also numbered 814-115-151, 816-108-150, 817-120-150, and 818-108-150)
819-058-150	10	(J22650) - Traffic Register Frame and Associated Equipment Units			

Section Number	Issue	Subject
819-114-152	2	(J94739) - Trunk Control Frames — For Magnetic Tape Recordings
819-115-150	12	(J22456) - Perforator Cabinet — Perforator and Reader Cabinet — Call Count Process Control Register Equipment — Billing Data Transmitter Frame — No. 1, No. 5 and Tandem Crossbar, No. 4 Type Toll Switching, and Step-By-Step Systems (also numbered 814-116-150, 816-107-150, 817-121-150, and 818-111-150)
819-115-151	1	(J22478) - AMA-MTR Modification Procedures
Add 819-115-152	1	
819-115-152	1	(J94737) - Recorder and Recorder Control Frame — For Magnetic Tape Recording
Add 819-120-150	2	
819-120-150	11	(J22451) - Master Timing Frame — Paper and Magnetic Tape Recording — No. 1, No. 5, and Crossbar Tandem — No. 4 Type Toll Switching, and Step-by-Step Systems (814-117-151, 816-106-150, 817-105-150, and 818-112-150)
819-121-150	2	(J23652) - Line Observing Number Matching Frame

819-2 LINK AND JUNCTOR GROUPING EQUIPMENTS**Link Equipments**

819-200-150	11	(J27451) - Line Link Frames (2-Wire) (A&M Only) and Automatic Call Distribution Line Link Frames
Add 819-200-151	1	
819-200-151	2	(J27454) - Four-Wire Line Link Frames
819-200-152	2	(J27458) - Line Link Frames (2-Wire) — Auxiliary Line Link Frame (2-Wire) — Using Small Crossbar Switches — Line Class-of-Service Frame
819-200-153	2	(J27459) - Wideband Link Frames and Units
Add 819-200-154	1	
819-200-154	1	(J27462) - Bit-Stream Link Frames and Bit-Stream Test Line Distributor Units
819-201-150	8	(J27754) - Trunk Link Frames
Add 819-201-151	2	
819-201-151	2	(J27756) - Four-Wire Trunk Link Frames
Add 819-201-152	1	
819-201-152	1	(J27757) - Trunk Link Frame — Auxiliary Trunk Link Frame Using Small Crossbar Switches
Add 819-202-150	1	
819-202-150	10	(J29051) - Incoming Register Link, Coin Supervisory Link and Outgoing Sender Link Frames
Add 819-203-150	1	
819-203-150	2	(J29055) - Transfer Line Link — Transfer Register Link and Transfer Trunk Link Frames

Section Number	Issue	Subject
Add 819-204-150	1	
819-204-150	1	(J29054) - Centrex Pos.
819-205-150	1	(J27457) - Range Exter. Unigauge Cabling
819-206-150	1	(J27461) - Call-Waiting Link Fra
Juncture Grouping Equipments		
819-220-150	6	(J27651) - Juncture Grouping Frames and Juncture Distribution Procedures

819-3 MARKER, CONNECTOR, AND NUMBER GROUP EQUIPMENTS**Marker Equipments**

Add 819-300-150	1	
819-300-150	9	(J28754) - Marker Frames
Add 819-300-151	2	
819-300-151	10	(J28755) - Marker Units
Add 819-301-150	1	
819-301-150	16	(J28760) - Completing Marker Frames
Add 819-301-151	1	
819-301-151	5	(J28776) - Automatic Call Distribution Marker Frames
819-302-150	9	(J28759) - Dial Tone Marker Frames and Originating Line Identifier Unit
819-303-150	2	(J28779) - Wideband Remote Switch Signal Control Frames — Wideband/Bit-Stream Line Control Frame

Connector Equipments

819-310-150	7	(J28151) - Connector Frames
Add 819-310-151	4	
819-310-151	4	(J28152) - Connector Equipment Units
Add 819-311-150	2	
819-311-150	8	(J28154) - Connector Frames
819-311-151	8	(J28155) - Connector Units
819-312-150	8	(J28153) - Master Test Connector Frames and Units
819-312-151	5	(J28157) - Master Test Connector Frames and Units
819-313-150	1	(J28774) - Four-Wire Trunk Group Connector, Line and Trunk Preemption Grouping Frames and Associated Equipment Units

Number Group Equipments

Add 819-320-150	2	
819-320-150	9	(J28753) - Number Group Frame

819-4 REGISTER, SENDER, AND TRANSLATOR EQUIPMENTS**Register and Sender Equipments**

819-401-150	11	(J27954) - Originating and Incoming Register Frames and Outgoing and Intermarker Group Sender Frames
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Section Number	Issue	Subject	Section Number	Issue	Subject
819-401-151	2		819-600-151	6	(J29261) - Trunk Table A — Intraoffice and Reverting Call Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-401-151	8	(J27956) - Register Equipment Units for Originating and Incoming Registers and Outgoing and Intermarker Group Senders			
Add 819-401-152	4		819-600-152	5	(J29261) - Trunk Table B — Trunks Incoming to No. 5 Equipment — Except Intertoll and Maintenance — Listing Trunk Equipment Units — Functions, Features, and Options
819-401-152	9	(J27958) - Control Equipment Units for Originating and Incoming Registers and Outgoing Intermarker Group Senders			
Add 819-401-153	1		819-600-153	8	(J29261) - Trunk Table C — Outgoing Full Selector and PPCS Trunks — Except Intertoll — Listing Trunk Equipment Units — Functions, Features, and Options
819-401-153	4	(J27955) - Pulse Counting Equipment Units for Originating and Incoming Registers			
Add 819-401-154	2		819-600-154	8	(J29261) — Trunk Table D — Outgoing Trunks to Switchboards and Desks — Except Intertoll and Maintenance — Listing Trunk Equipment Units — Functions, Features and Options
819-401-154	5	(J27957) - Timing Equipment Units for Originating and Incoming Registers			
Add 819-401-155	1		819-600-155	6	(J29261) — Trunk Table E — Trunks for Maintenance Purposes — Listing Trunk Equipment Units — Functions, Features, and Options
819-401-155	3	(J27959) - Coin and 2-Party Test Equipment Units for Originating Registers			
819-401-156	4	(J27960) - Pulse Control Equipment Units for Outgoing Senders	819-600-156	7	(J29261) — Trunk Table F — Line Link Frame Trunks — Listing Trunk Equipment Units — Functions, Features and Options
Add 819-403-150	2		819-600-157	8	(J29261) - Trunk Table G — Listing Trunk Equipment Units — Functions, Features, and Options
819-403-150	8	(J27962) - Originating Register Frame and "TOUCH-TONE" Receiver and Control Frame			
Add 819-404-150	2		819-600-158	1	(J29261) - Trunk Table H Marker Pulse Conversion Trunks — Except Intertoll — Listing Trunk Equipment Units Functions, Features and Options
819-404-150	5	(J27971) - Four-Wire Originating Register Frame			
819-405-150	4	(J27967) - Originating Register Line Memory Frame	819-600-159	3	(J29261) - Trunk Table J Intermarker Group and Intertrain Trunks — Listing Trunk Equipment Units Functions, Features, and Options
819-406-150	2	(J29275) - Automatic Call Distributor — Digit Register Frame			
Add 819-410-150	1		819-600-160	7	(J29261) - Trunk Table K — Intertoll Trunks — Listing Trunk Equipment Units — Functions, Features, and Options
819-410-150	7	(J27963) - Incoming Register Frames and Transfer Register Frames and Multifrequency Pulsing Receiver Frame			
Add 819-411-150	1		819-600-161	3	(J29261) - Trunk Table L Combination Toll Switching With Outgoing and Tandem Completing — Listing Trunk Equipment Units Functions, Features and Options
819-411-150	3	(J27972) - Four-Wire Incoming MF Register Frame			
Add 819-412-150	1		819-600-162	5	(J29261) -Trunk Table M — 2-Way Trunks — Except Intertoll — Listing Trunk Equipment Units Functions, Features, and Options
819-412-150	4	(J27976) - Trunk Test Register Frames			
Add 819-420-150	2		819-600-163	3	(J29261) - Trunk Table N Other Trunks for Toll Centers — Listing Trunk Equipment Units — Functions, Features and Options
819-420-150	7	(J27964) - Outgoing Sender Frames			
819-421-150	4	(J27973) - Four-Wire Outgoing MF and DP Sender Frames	819-600-164	2	(J29261) - Trunk Table P CAMA Trunks and Units — Listing Trunk Equipment Units Functions, Features and Options
Translator Equipments			819-600-165	5	(J29261) - Trunk Table R — Coin Zone Outgoing Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-430-150	5	(J28756) - Pretranslator, IDDD Pretranslator, and IR Pretranslator Frames			
819-431-150	4	(J28757) - Foreign Area Translator and Connector Frames	819-600-166	6	(J29261) - Trunk Table S — Customer Special Service Units — Listing Trunk Equipment Units — Functions, Features and Options
819-6 TRUNK EQUIPMENTS					
819-600-150	20	(J29261) - General Information and Index Section for Trunk Table — Listing Trunk Equipment Units — Functions, Features and Options			

Section Number	Issue	Subject	Section Number	Issue	Subject
819-600-167	2	(J29261) - Trunk Table T Wideband and Associated Audio Trunks — Including Maintenance and Test — Listing Trunk Equipment Units Functions, Features and Options	819-703-150	16	(J23256) - Trunk Test Equipment Units Associated With the Master Test Frame
			Add 819-704-150	2	
			819-704-150	6	(J23258) - Register and CAMA Sender Test Equipment Units Mounted on Control Bays — Master Test Frame
819-600-168	5	(J29261) - Trunk Table U — Automatic Call Distributor — Lines, Trunks, and Miscellaneous Units — Listing Trunk Equipment Unit — Functions, Features, and Options	819-708-150	4	(J24759) - AMA Translator Line Verification Test Equipment Units and Test Set
819-601-150	8	(J23064) - Relay Rack Frames for Trunks and Miscellaneous Equipments	Add 819-710-150	2	
			819-710-150	10	(J98501) - Manual Outgoing Trunk Test Frame and Outgoing Trunk Test Jack Bay (also numbered 817-705-150 and 818-708-150)
819-602-150	13	(J23062) - Incoming Trunks — Equipment Units	819-712-150	17	(J23450) - Automatic Progression Trunk Test Frames
819-603-150	11	(J23061) - Intraoffice Trunks — Equipment Units	819-712-151	1	(J23262) - Test Access Frame for Automatic Call Distribution
Add 819-604-150	2		Add 819-712-152	1	
819-604-150	6	(J23065) - Intermarker Group and Intertrain Trunks — Equipment Units	819-712-152	1	(J23266) - Automatic Call Distribution Test Frames
819-605-150	13	(J23056) - Trunks and Lines Equipment Units — Associated With Line Link Frames	Add 819-713-150	2	
Add 819-606-150	1		819-713-150	7	(J23260) - Office Test Frame
819-606-150	8	(J23063) - Two-Way Trunks — Equipment Units	819-713-151	4	(J23263) - Remote Office Test Frame
819-607-150	15	(J23055) - Outgoing Trunks Equipment Units — Associated With Senders	819-714-150	4	(J23650) - Line Insulation Test Frame
819-608-150	13	(J23057) - Outgoing Trunks Equipment Units — Not Associated With Senders	819-715-150	1	(J23264) - Automatic Range Extension
819-609-150	13	(J23058) - Service Trunks and Miscellaneous Relay Rack Equipment Units	Test Sets		
819-610-150	3	(J23067) - CAMA Trunks and Miscellaneous Equipment Units	819-730-150	4	(J24756) - Sender Test Set and Register and CAMA Sender Test Sets
819-611-150	6	(J23069) - Centrex Trunks and Miscellaneous Equipment Units	819-731-150	5	(J24753) - Test Set for Timing Tests
			819-732-150	1	(J24761) - 4-Wire Timing Test Set
Add 819-612-150	1		Add 819-733-150	2	
819-612-150	8	(J23059) - Test Trunk Equipment Units — Miscellaneous Relay Rack Mounted	819-733-150	1	(J24763) - Priming Set for Trunk Test Register
Add 819-613-150	1		Alarm Equipment		
819-613-150	2	(J23071) - Wideband, Associated Audio, and Maintenance Trunks and Associated Frames	819-750-150	7	(J28353) - Alarm Equipment Units
			819-751-150	15	(J98304) - Alarm Transfer Equipment Units
			819-752-150	6	(J99232) - Audible and Visual Alarm Equipment Units for Interconnection of No. 5 Crossbar with Other Systems (also numbered 801-601-151)
819-7 TEST AND ALARM EQUIPMENTS					
Test Frames					
819-700-150	18	(J23252) - Master Test Frame	Add 819-753-150	1	
			819-753-150	6	(J23060) - Alarm and Timing Equipment Units Associated With Permanent Signal Holding Test Trunk — Selecting and Concentrating Equipments
819-700-151	5	(J23261) - Plant Register Cabinet	819-9 NO. 3 AND 5A CROSSBAR		
819-701-150	14	(J23253) - Automatic Monitor, Register, and Sender Test Equipment Units Mounted on Automatic Monitor, Register, and Sender Test Bays — Master Test Frame	General Information and Miscellaneous Frames and Equipments		
819-702-150	15	(J23255) - Master Test Control Circuit Units — Master Test Frame	819-900-155	2	(J29157) - Power, Ringing, and Tone Distributing Frame

Section Number	Issue	Subject
819-900-156	1	(J29163) - Message and Traffic Register Frame and Associated Equipment Units
819-900-180	1	Performance Requirements on Site Tests

Automatic Number Identification Equipments

819-901-150	1	(J29152) - Translator Frame — Automatic Number Identification
819-901-151	1	(J29153) - ANI Transverter and Connector Frame — Automatic Number Identification

Link and Junctor Grouping Equipments

819-902-150	1	(J29159) - Basic 490 Line, Line Link Frame
819-902-151	1	(J29160) - Trunk Link Frame
819-902-152	1	(J29161) - Incoming Register Link Coin Supervisory Link, Outgoing Sender Link and Stuck Sender Trunk Identifier Units

Marker, Connector, and Number Group Equipments

819-903-150	1	(J29151) - Marker Frame
819-903-160	1	(J29156) - Connector Frame
819-903-168	1	(J29166) - Number Group Frame

Register, Sender, and Translator Equipments

819-904-150	1	(J29164) - Originating Register Frame
819-904-151	1	(J29168) - Incoming Register Frame
819-904-160	1	(J29167) - Outgoing Sender — Relay Rack Frame

Trunk Equipments

819-906-150	3	(J29154) - General Information and Index Section for Trunk Table — Listing Trunk Equipment Units — Functions, Features, and Options
819-906-151	1	(J29154) - Trunk Table PA — Intraoffice and Reverting Call — Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-906-152	2	(J29154) - Trunk Table PB — Trunks Incoming to No. 5A Equipment — Listing Trunk Equipment Units — Functions, Features and Options
819-906-153	2	(J29154) - Trunk Table PC — Outgoing Full Selector Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-906-154	1	(J29154) - Trunk Table PD — Outgoing Trunks to Switchboards — Listing Trunk Equipment Units — Functions, Features and Options
819-906-155	2	(J29154) - Trunk Table PM — 2-Way Trunks — Listing Trunk Equipment Units — Functions, Features and Options

Section Number	Issue	Subject
819-906-156	2	(J29162) - Trunk Frames

Test and Alarm Equipments

Add 819-907-150	2	
819-907-150	2	(J29165) - Test and Recorder Frame
819-907-151	2	(J29158) - Trouble Analyzer & Display Console — Tape Recorder & Trouble Record Trunk Unit and Remote Make-Busy and Restore Control Unit

No. 3 Crossbar

819-910-150	1	(J29350) - General Outline — Operating and Equipment Features
819-910-151	2	(J29351) - Marker Frame
819-910-152	2	(J29352) - Line Number Translator and Connector Frame
819-910-153	1	(J29353) - Line Link and Line Block Frames
819-910-154	2	(J29354) - Trunk Frames
Add 819-910-155	1	
819-910-155	3	(J29355) - Test Frame
819-910-156	2	(J29356) - Incoming Register-Originating Register 0 Frame — Originating Register Frame and Extension Incoming Register Frame
819-910-157	1	(J29357) - Outgoing Sender Frame
819-910-159	1	(J29359) - Loop and Leak Test Unit
819-910-160	4	(J29360) - General Information and Index Section for Trunk Table Listing Trunk Equipment Units — Functions, Features and Options
819-910-162	2	(J29362) - Miscellaneous Frame Mounted Units
819-910-163	1	(J29360) - Trunk Table AP — Intraoffice and Reverting — Call Trunks — Listing Trunk Equipment Units — Functions, Features and Options
819-910-164	2	(J29360) - Trunk Table BP — Trunks Incoming to No. 3 Equipment — Listing Trunk Equipment Units — Functions, Features and Options
819-910-165	2	(J29360) - Trunk Table CP — Outgoing Trunks — Machine Switched — Listing Trunk Equipment Units — Functions, Features and Options
819-910-166	2	(J29360) - Trunk Table DP — Outgoing Trunk — Associated With Switchboards — Listing Trunk Equipment Units — Functions, Features and Options
819-910-167	2	(J29360) - Trunk Table EP — Trunks for Maintenance Purposes — Listing Trunk Equipment Units — Functions, Features and Options

Section Number	Issue	Subject	Section Number	Issue	Subject
819-910-168	3	(J29360) - Trunk Table FP — Intercept Trunks — Listing Trunk Equipment Units — Functions, Features and Options	Trunks and Frames		
819-910-169	2	(J29360) - Trunk Table GP — Miscellaneous Lines, Control and Indicating Units — Listing Trunk Equipment Units — Functions, Features and Options	820-028-150	3	(J1A035) - Power Distributing Frame
819-910-170	3	(J29360) - Trunk Table MP — 2-Way Trunks — Listing Trunk Equipment Units — Functions, Features and Options	820-030-150	3	(J1A058) - Recorded Announcement Frame — No. 1, No. 1A, and No. 2 Electronic Switching Systems — Control and Distribution Frame for Use With the Common Systems Recorded Announcement Frame (CSRAF) — No. 1 and No. 1A Electronic Switching Systems (also numbered 820-640-151)
819-910-180	1	Performance Requirements on Site Tests	820-031-150	5	(J1A033) - Miscellaneous Trunk Frames and Units
<hr/>			820-031-151	6	(J1A048) - Miscellaneous Frames and Units — Arranged With 2-Wire and 4-Wire Features
DIVISION 820 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — 1, 1A, 2, 2A, 3, 4, AND 5"ESS*" — 1A PROCESSOR, AND REMOTE SWITCHING SYSTEMS			820-031-153	2	(J1A088) - Combined Miscellaneous Trunk Frames and Units — Common Systems
<hr/>			820-031-154	1	(J1A089) - 60A CPS Attendant Interface Frame — No. 1 Arranged With 2-Wire Features
820-0	Index; 1 ESS — General, Trunks and Frames		820-032-150	1	(J1A083) - Dynamic Overload Control Transmitter Frame — Arranged With 2-Wire Features
-1	1 ESS Switching Networks		820-050-150	1	(J1A052) - End Guards, Aisle Directories — Cable Rack Support Stanchion and Miscellaneous Alarm Units
-2	1 ESS System Control		820-053-150	1	(J1A053) - Filter Units
-3	1 ESS Equipments Arranged With 4-Wire Features		820-069-151	1	(J1A094) - Data Terminal Group
-4	1 ESS Equipments Arranged With Data Features		Add 820-070-150	1	
-5	1 ESS Test, Maintenance, and Accounting		820-070-150	2	(J1A068) - Centrex Data Link Frame and Centrex Console Cabinet Equipment — Arranged With 2-Wire Features
-6	2, 2A, and 3 ESS		820-1 1 ESS SWITCHING NETWORKS		
-7	1A ESS, 4 ESS, 1A Processor, and Remote Switching Systems		820-101-150	2	(J1A028) - Line Switching Frame
-8	5ESS		820-104-150	1	(J1A030) - Trunk Switching Frame
820-0 INDEX; 1 ESS — GENERAL, TRUNKS AND FRAMES			820-104-152	1	(J1A078) - Remreed Trunk Switching Frame — No. 1 and No. 1A
Indexes			820-105-150	1	(J1A070) - Service Link Frames — Arranged With 2-Wire Features
•	◆ 820-000-000	91 Numerical Index — Division 820 — Equipment Design and General Equipment Requirements and Engineering Information — 1, 1A, 2, 2A, 3, 4, and 5ESS, and 1A Processor	820-106-150	1	(J1A029) - Junctor Switching Frame
General			820-108-150	3	(J1A031) - Junctor Frame
Add	820-001-150	3	820-110-150	1	(J1A047) - Junctor Grouping Frame
	820-001-150	3	820-110-151	1	(J1A085) - 12-File Junctor Grouping Frame
			820-120-150	5	(J1A032) - Universal Trunk Frame
	820-001-170	1	820-120-151	1	(J1A084) - Miniaturized Universal Trunk Frame — No. 1 ESS — Equipment Design Requirements — Electronic Switching System
	820-001-180	6			
	820-005-150	8			
	820-007-150	1			
	820-008-150	2			
	820-009-150	3			
	820-010-170	2			

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Section Number	Issue	Subject
820-121-150	1	(J1A090) - HILO Universal Trunk Frame
820-121-151	1	(J1A091) - HILO Miscellaneous Trunk Frame — No. 1 and No. 1A ESS

820-2 1 ESS SYSTEM CONTROL

820-200-150	1	(J1A037) - Central Control
820-202-150	3	(J1A038) - Call Store — For Use With Central Control and Signal Processor and Buffer Control
820-202-151	4	(J1A072) - 32K Call Store for Use With Central Control and Signal Processor and Buffer Control
820-204-150	2	(J1A039) - Program Store
820-204-151	2	(J1A064) - Program Store Memory — Arranged With 2-Wire Features
Add 820-204-152	1	
820-204-152	2	(J2A013) - Program Store Memory — Arranged With 4-Wire Features
820-206-150	1	(J1A049) - Signal Processor
820-230-150	3	(J1A034) - Central Pulse Distributor Frame — Arranged With 2-Wire, 4-Wire, And Data Features
Add 820-232-150	1	
820-232-150	3	(J1A043) - Master Scanner Frame — Arranged With 2-Wire, 4-Wire, and Data Features (Also numbered 820-630-155 and 821-410-154)

820-3 1 ESS EQUIPMENTS ARRANGED WITH 4-WIRE FEATURES

Add 820-301-150	1	
820-301-150	3	(J2A002) - Trunk Switching Frame
Add 820-303-150	1	
820-303-150	3	(J2A001) - Junctor Switching Frame
820-304-150	1	(J2A005) - Junctor Grouping Frame
Add 820-307-150	2	
820-307-150	2	(J2A004) - Universal Trunk Frame
820-308-150	4	(J2A003) - Miscellaneous Trunk Frame
820-315-150	3	(J2A006) - Filter Units
820-316-150	1	(J2A016) - Office Status Display Frame
820-316-151	1	(J2A017) - Office Status Display Remote Units — No. 1 ESS Arranged With 4-Wire Features
♥ 820-320-150	1	(J2A007) Simplex Converter Frame Arranged With 4-Wire Features
♥ 820-321-150	2	(J2A011) Preempt Tone and Repeated Alerting Line Applique Frame — Arranged With 4-Wire Features
♥ 820-322-150	1	(J2A009) Multiaddress Frame — Offices Arranged With 4-Wire Features

Section Number	Issue	Subject
♥ 820-323-150	2	(J2A010) Line Applique Frame — Offices Arranged With 4-Wire Features
820-324-150	2	(J2A008) - Control, Display, and Test Frame — Master Control Center

820-4 1 ESS EQUIPMENTS ARRANGED WITH DATA FEATURES

820-401-150	1	(J3A001) - Magnetic Character Assembler Disassembler
820-402-150	2	(J3A002) - Delay Line Character Assembler/Disassembler (DCAD)
820-403-150	1	(J3A004) - Logic Character Assembler Disassembler
820-404-150	2	(J3A006) - Tape Unit Control Frame
820-404-151	1	(J3A005) - Tape Unit Frame
820-405-150	2	(J3A007) - Primary Message Store
820-406-150	1	(J3A008) - Buffer Control
820-407-150	1	(J3A016) - Program Store Memory — Arranged With Data Features
820-410-150	1	(J3A013) - Voiceband Digital Data Set Frame

820-5 1 ESS TEST, MAINTENANCE, AND ACCOUNTING

Add 820-501-150	1	
820-501-150	3	(J1A041) - Automatic Message Accounting and Teletypewriter Frame and Universal Teletypewriter Equipment — Master Control Console
820-501-151	1	(J1A071) - Test Tape for 9-Track AMA — Arranged With 2-Wire Features
820-502-150	6	(J1A042) - Control Display, and Test Frame — Master Control Center and Supplementary Trunk Test Frame — Arranged With 2-Wire and Data Features
820-502-151	1	(J1A076) - Remote Office Test Line — No. 1 or No. 1A ESS — Arranged With 2-Wire Features
820-503-150	1	(J1A040) - Memory Card Writer Frame — Master Control Center
820-504-150	5	(J24753) - Test Set for Timing Tests
820-505-150	1	(J1A069) - Plug-in Trunk Unit Test Stand — Arranged With 2-Wire Features
820-505-151	2	(J1A082) - Outgoing Test Trunk Set for Board-to-Board Testing Arranged With 2-Wire Features

820-6 2, 2A, AND 3 ESS

General

820-600-151	3	(J2H032) - Limiting Conductor Conditions — No. 2 and No. 2B — Arranged With 2-Wire Features
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Section Number	Issue	Subject	Section Number	Issue	Subject
820-600-152	4	(J2H031) - Trunk Equipment Tables — Arranged by Functions and Features — Arranged With 2-Wire Features	820-630-154	2	(J2H027) - Program Store Frame — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center 1A in AIS — Electronic Switching and Traffic Service Systems (Also numbered 821-410-155)
820-600-153	3	(J2H033) - Index of Equipment Cross-Connections — No. 2 and No. 2B ESS Arranged With 2-Wire Features	Add 820-630-155	1	
Add 820-600-154	1		820-630-155	3	(J1A043) - Master Scanner Frame — No. 1 ESS Arranged With 2-Wire, 4-Wire, and Data Features or No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS — Electronic Switching and Traffic Service Systems (Also numbered 820-232-150 and 821-410-154)
820-600-154	1	(J2H035) - 2-Wire No. 2 or 2B ESS Arranged in Modular Buildings — No. 2A or 2C ESS			
820-600-155	2	(J2H104AA-1) — Serial Peripheral Unit Controller/Data Link (SPUC/DL) — 2B Electronic Switching System	820-630-158	1	(J2H101) - Tape Cartridge (KS-21439 Data Cartridge) No. 2B ESS Arranged With 2-Wire Features
820-600-180	4	Performance Requirements — Arranged With 2-Wire Features			
820-600-186	4	Performance Requirements — No. 2B ESS			
Trunks and Frames					
820-610-150	1	(J2H017) - Universal Trunk and Junctor Frame — Arranged With 2-Wire Features			
820-610-151	3	(J2H018) - Miscellaneous Trunk Frame — Arranged With 2-Wire Features	820-640-151	3	(J1A058) - Recorded Announcement Frame — No. 1, No. 1A, and No. 2 Electronic Switching Systems — Control and Distribution Frame for Use With the Common Systems Recorded Announcement Frame (CSRAF) — No. 1 and No. 1A Electronic Switching Systems (also numbered 820-030-150)
820-610-153	2	(J2H034) - Range Extension Frame — Arranged With 2-Wire Features			
Switching Networks					
820-620-150	2	(J2H022) - Junctor Grouping Frame — Arranged for 2-Wire Features	820-640-152	2	(J2H039) - Remote Office Test Line Frame — No. 2 ESS — Arranged With 2-Wire Features
820-620-151	1	(J2H025) - Line/Trunk Switching Frame — Arranged With 2-Wire Features	820-640-153	2	(J2H024) - Trunk Test Frame — No. 2 ESS Arranged With 2-Wire Features Equipment Design Requirements — Electronic Switching Systems
820-620-152	1	(J2H026) - Network Control Junctor Switching Frame	820-640-154	1	(J2H021) - Automatic Message Accounting Frame
820-620-154	1	(J2H124) - Remreed Network — No. 2 and No. 2B — Electronic Switching Systems	820-650-180	2	Performance Requirements — No. 3 ESS
820-620-155	1	(J2H048) - Loop Range Extension — Common ESS Arranged With 2-Wire Features	820-651-150	1	(J3H001) - No. 3 ESS Equipment Design Requirement — Electronic Switching System
System Control					
Add 820-630-150	1		820-7 1A ESS, 4 ESS, NO. 1A PROCESSOR, AND REMOTE SWITCHING SYSTEMS		
820-630-150	2	(J2H002) - Central Processor Frame — No. 2 ESS Arranged With 2-Wire Features or — Automatic Intercept Center No. 1A in AIS Electronic Switching and Traffic Service System (Also numbered 821-410-150)	No. 1A Processor		
820-630-151	2	(J2H005) - Call Store — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS — Electronic Switching and Traffic Service Systems (Also numbered 821-410-152)	820-701-150	3	(J5A001) - Processor Peripheral Interface Frame, Control and Display Frame, and Master Control Console — Arranged for 1A ESS Switch 2-Wire and 4ESS Switch
820-630-152	2	(J2H023) - Supplementary Central Pulse Distributor Frame — Arranged With 2-Wire Features	820-701-151	2	(J5A005) - Central Control Frame — 1A Processor — Arranged for 1A ESS* Switch 2-Wire and 4ESS Switch
820-630-153	4	(J2H030) - Program Store Memory — Arranged With 2-Wire Features	820-701-152	3	(J5A006) - Input/Output Frame and Input/Output Processor Frame — 1A Processor Arranged for 1A ESS Switch 2-Wire and 4 ESS Switch

Section Number	Issue	Subject
820-701-153	1	(J5A002) - Tape Frame — Arranged for No. 1A ESS With 2-Wire Features and No. 4 ESS
820-701-154	1	(J5A003) - Call Store and Program Store — Arranged for No. 1A ESS Arranged With 2-Wire Features and No. 4 ESS
820-701-155	1	(J5A004) - File Store Frame — 1A Processor
820-701-156	2	(J5A007) - Power Conversion and Distribution Frame for Use With 1A ESS* 2-Wire and 4ESS 1A Processor
820-701-161	1	(J5A012) - Attached Processor Interface Frame — Equipment Design Requirements — Electronic Switching Systems

1A ESS

Add 820-720-180	3	
820-720-180	1	Performance Requirements — Arranged With 2-Wire Features
820-721-150	1	(J6A001) - Trunk and Line Test or Supplementary Trunk Test Frame — Arranged With 2-Wire Feature

4 ESS

820-740-150	1	(J4A000) - No. 4 ESS — Summarizing Specification
820-740-151	1	Spare Parts Requirements
820-740-152	1	Trunk Compatibility — No. 4 ESS
820-740-180	1	Performance Requirements — No. 4 ESS
820-741-150	1	(J4A001) - Time-Slot Interchange Frame
820-741-151	1	(J4A002) - Time Multiplexed Switching Frame
820-741-152	1	(J4A003) - Signal Processor 1
820-741-153	2	(J4A004) - Network Clock Frame
820-741-154	1	(J4A005) - Peripheral Unit Bus Branching Frame
820-741-156	3	(J4A007) - Remote Office Test Line Frame
820-741-157	1	(J4A008) — Signal Processor 2
820-741-158	2	(J4A009) - Common Channel Interoffice Signaling Terminal Group
820-741-159	2	(J4A010) - Miscellaneous Frames A and B
820-741-160	2	(J4A011) - Network Management Display — No. 4 ESS
820-741-161	1	(J4A012) - Office Alarm Grid Equipment
820-741-164	1	(J4A015) - Digital Services Complex - No. 4 ESS
820-741-165	1	(J4A016) - Multifrequency Compelled Transceiver Frame

Section Number	Issue	Subject
820-741-166	1	(J4A017) - Network Services Complex

Remote Switching System

820-760-001	1	Remote Switching System Frame — No. 10A
820-760-002	3	No. 10A — Remote Switching System — Performance Requirements

820-8 5ESS

820-800-000	1	General Information Specification
820-800-004	1	Line Unit
820-800-005	1	Miscellaneous (7-Foot) Cabinet
820-800-009	1	Line Interface Frame
820-800-012	1	(J5D012) - Network Management Frame

DIVISION 821 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — TRAFFIC SERVICE SYSTEMS

- 821-0 Indexes, General Information, and Miscellaneous Equipments
 - 1 Traffic Service Position System No. 1
 - 4 Automatic Intercept System
 - 7 Switchboards and Operating Room Desks and Associated Equipment
 - 9 Auxiliary Service Positions

821-0 INDEXES, GENERAL INFORMATION, AND MISCELLANEOUS EQUIPMENTS

Indexes

821-000-000	6	Numerical Index — Division 821 — Equipment Design and General Equipment Requirements and Engineering Information — Traffic Service Systems
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General

821-005-150	5	(J99280) - Centralized Supervisory Equipment
Add 821-006-150	1	
821-006-150	3	(J1B023) - Mechanized or Programmable System for Operator Training — Traffic Service Position No. 100B or 100C
821-006-151	6	(J61532) - Toll Operators Training Equipment
Add 821-006-152	1	
821-006-152	3	(J61565) - No. 3CL Switchboard Energized Permanent Operator — Training Equipment
821-006-153	3	(J92901) - DSA Operators' No. 2B Training Equipment
821-006-154	1	(J92902) - 3A Information Operator's Training Equipment
821-006-155	4	(J92903) - No. 4A Operator Training Equipment

Section Number	Issue	Subject	Section Number	Issue	Subject
821-006-156	2	(J92904) - Operators Keypulsing Drill Table	821-131-150	3	(J1B012) - Automatic Message Accounting Frame
821-006-157	1	(J99249) - Portable Switchboard Section — CAMA Training	821-131-151	3	(J1B031) - Test Tape for 9-Track AMA
821-007-150	1	(J61557) - Toll Switchboards — Modifications Required to Provide Mobile Radio Telephone Service	821-132-150	7	(J1B014) - Remote Power Distributing Frame — Miscellaneous Power Distributing Frame — No. 1 and 1B — Equipment Design Requirements
821-007-151	5	(J67301) - Pneumatic Ticket Distributing System — Toll Switchboards No. 1, 3, and 3C			<i>Issue 6 not given general distribution.</i>
821-007-155	6	(J65701) - Distributing, Ticket Filing, and Rate Quoting Desk No. 43A, 43B and 43C	821-133-150	6	(J1B016) - Position Signal Distributor Frame
821-007-180	2	Performance Requirements — Pneumatic Ticket Distributing System	821-134-150	3	(J1B018) - Time of Day Frame
821-009-150	4	(J99224) - Noise Reduction Equipment for Operating Rooms	821-135-150	5	(J1B019) - Position Buffer Frame
821-1 TRAFFIC SERVICE POSITION SYSTEM NO. 1			Add 821-136-150	2	
General			821-136-150	3	(J1B035) - Teletypewriter Trunk and Buffer Frame (TTY T&B) — Teletypewriter Buffer Frame (TTY B) and Data Set Frame (DS)
821-100-150	3	(J1B000) - General	821-137-150	1	(J1B051) - Signaling Converter and Simplex Inductor Frame
821-100-180	3	Performance Requirements	821-138-150	3	(J1B043) - Position and Trunk Control Frame — Position Subsystem No. 2/Remote — Trunk Arrangement No. 1
821-101-150	4	(J1B017) - Trunk Tables Showing Trunk Equipment Arranged by Functions and Features — No. 1 and 1B	821-138-151	3	(J1B049) - Position Voice Control Frame — Position Subsystem No. 2
Frames			Add 821-138-152	1	
Add 821-120-150	2		821-138-152	2	(J1B041) - Group Gate Frame Traffic Service Position System No. 1, 1B — Position Subsystem No. 2/Remote Trunk — Arrangement No. 1
821-120-150	6	(J1B001) - Universal Trunk Frame	Add 821-138-153	1	
Add 821-121-150	1		821-138-153	2	(J1B048) - Test and Display Frame — Traffic Service Position System No. 1 — Position Subsystem No. 2 — Remote Trunk Arrangement No. 1
821-121-150	5	(J1B002) - Trunk Link Network Frames — No. 1 and 1B	821-138-154	2	(J1B044) - Remote Trunk Arrangement No. 1
Add 821-122-150	1		821-138-155	2	(J1B046) - Concentrator Frames
821-122-150	4	(J1B003) - Position Link Network Frames	821-138-156	3	(J1B050) - Remote Carrier Transfer and Miscellaneous Units Frame — Position Subsystem No. 2 — Remote Trunk Arrangement No. 1
Add 821-123-150	1		Add 821-139-150	1	
821-123-150	5	(J1B004) - Miscellaneous Trunk Frame	821-139-150	2	(J1B053) - Controller Frame — No. 1, 1B — Station Signaling and Announcement System
Add 821-124-150	1		821-139-151	2	(J1B054) - Service Circuit Frame — Station Signaling and Announcement Subsystem — No. 1B
821-124-150	5	(J1B005) - Position Group Gate Frame	Miscellaneous Equipment		
Add 821-125-150	1		821-181-150	6	(J1B013) - Store Memory Magnetic Tapes
821-125-150	5	(J1B006) - Position Scan Frame	821-181-151	1	(J1B056) - Main Store Memory Magnetic Tapes — Traffic Service Position System No. 1B
Add 821-126-150	1		821-182-150	1	(J1B052) - Trunk Monitor and Make Busy Unit — Traffic Service Position System No. 1 — Remote Trunk Arrangement No. 1
821-126-150	6	(J1B007) - 100C Traffic Service Position Section and Associated Operating Room Equipment			
821-127-150	4	(J1B008) - Recorded Announcement Frame			
821-128-150	7	(J1B009) - Miscellaneous Frame and Units — Traffic Service Position System No. 1, 1B			
Add 821-129-150	1				
821-129-150	3	(J1B010) - Communication Bus Translator Unit — No. 1 and 1B			
Add 821-130-150	1				
821-130-150	6	(J1B011) - Control, Display Test Frame			

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Section Number	Issue	Subject	Section Number	Issue	Subject
821-4 AUTOMATIC INTERCEPT SYSTEM			Add 821-700-154	1	
General			821-700-154	3	(J61525) - No. 1, 3, 3C, and 3CL Toll Switchboards — Intertoll Dialing Equipment Arranged for CX, SX, SF, or N1 Carrier Signaling
821-400-150	1	(J1B020) — General			
821-400-180	1	Performance Requirements	821-700-157	6	(J61555) - No. 3 Toll Switchboard — 92 Jack Switchboard Equipment — Three or Nine 8-1/2 Inch Panel Sections
Frames			Add 821-700-159	1	
Add 821-410-150	1		821-700-159	7	(J61528) - No. 3CL Toll Switchboard — Keyshelf Height 40 Inches — Position Lower Unit Equipment — 8-1/2 Inch Panel Section
821-410-150	2	(J2H002) - Central Processor Frame — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS (Also numbered 820-630-150)			
Add 821-410-151	1		821-700-160	4	(J61529) - No. 3C Toll Switchboard Equipment
821-410-151	3	(J2H003) - Maintenance Center Frame — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS (Also numbered 820-640-150)	Add 821-700-161	1	
			821-700-161	6	(J61540) - No. 3C and 3CF Toll Switchboards — Keyshelf Height 30 Inches — Position Unit Equipment — 8-1/2 Inch Panel Sections
821-410-152	2	(J2H005) - Call Store — No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS (Also numbered 820-630-151)	821-700-162	5	(J61535) - No. 3CF Toll Switchboard and Associated Equipment
821-410-153	2	(J1B021) - Automatic Intercept Center No. 1A	Add 821-700-165	1	
Add 821-410-154	1		821-700-165	7	(J91107) - No. 3CL Switchboard — Positional Lower Unit Equipment — Toll and Dial Systems "A" Switchboards
821-410-154	3	(J1A043) - Master Scanner Frame — No. 1 ESS Arranged With 2-Wire, 4-Wire, and Data Features or No. 2 ESS Arranged With 2-Wire Features or Automatic Intercept Center No. 1A in AIS (Also numbered 820-232-150 and 820-630-155)	821-700-166	2	(J91110) - No. 3CL Switchboard — 8-1/2 Inch Panel Switchboard Sections
821-410-155	2	(J2H027) - Program Store Frame — No. 1 ESS Arranged With 2-Wire Features or Automatic Intercept Center 1A in AIS (Also numbered 820-630-154)	821-700-167	2	(J91111) - Miscellaneous Switchboard Position Equipment — Toll, DSA, and Manual Switchboards
			821-700-168	3	(J91112) - AC Lamp Equipment for Idle Indication — DSA, Toll, and Telegraph Switchboards
Miscellaneous			821-700-180	2	Performance Requirements — No. 1 and 1B Toll Switchboards — No. 3, 3B, 3C, 3CF, and 3CL Switchboards
821-420-150	2	(J1B022) - Centralized Intercept Bureau No. 1A for Use in Automatic Intercept System	821-701-150	7	(J61558) - No. 5 Toll Switchboard — Position Lower Unit Equipment — 8-1/2 Inch Panel Sections
821-420-151	1	(J1B032) - Program Store Memory — No. 1A	821-701-151	4	(J61559) - No. 5 Toll Switchboard — Switchboard Equipment
821-420-152	1	(J1B042) - File Access Subsystem — For Use With Automatic Intercept Center No. 1A	821-701-155	1	(J61568) - No. 5C Switchboard — Switchboard Equipment
821-420-153	2	(J1B055) - No. 2 Data Base Administration System	821-701-159	3	(J61566) - No. 5C and 5D Switchboards — Position Lower Unit Equipment — 8-1/2 Inch Panel Sections
821-7 SWITCHBOARDS AND OPERATING ROOM DESKS AND ASSOCIATED EQUIPMENT			821-701-160	2	(J61567) - No. 5D Switchboard — Switchboard Equipment
821-700-150	4	(J91501) — 8 1/2" Panel Switchboard Sections			
821-700-152	1	(J61541) - Toll Switchboard No. 1 — AC Key Pulsing and Associated Cord Modifications	Add 821-702-150	1	
			821-702-150	1	(J1B029) - Incoming, Outgoing, and 2-Way Trunks — Relay Rack Units
821-700-153	6	(J61554) - No. 1 Toll Switchboard — 92 Jack — Three and Nine 8-1/2 Inch Panel Sections	821-702-151	7	(J61585) - Incoming, Outgoing and Two-Way Trunks — Relay Rack Units — Toll Switchboards

Section Number	Issue	Subject	Section Number	Issue	Subject
821-703-150	2	(J18030) - Multipoint Conference Service-Trunk and Control Equipment	821-708-152	7	(J98401) - Links and Link Frame for Use With No. 1, 1B, 3, 3B, 3C, and 3CL Toll Switchboards or Step-by-Step DSA Switchboard
821-703-151	1	(J18036) - Trunk Equipment — Coastal Harbor Radio Telephone Service — Single Sideband Operation for Use With Toll Switchboards — No. 3, 3C and 3CL	821-709-150	8	(J93401) - Sender Test Frame, Manual Tests Units, and Common Timing and Alarm Units for Testing Senders Arranged to Receive DC Key Pulses or Multifrequency Pulses and to Transmit Dial Pulses for Use With No. 1, 1B, 3, 3B, 3C, or 3CL Toll Switchboard and No. 15-Type Switchboard in Step-by-Step Offices or With Incoming Multifrequency Intertoll Trunks
Add 821-704-150	1		Add 821-709-151	1	
821-704-150	11	(J94910) - Framework and Equipment for No. 23 Operating Room Desk	821-709-151	3	(J63003) - Position Test Units — No. 1, 3, 3B, and 3C Toll Switchboards — No. 3CL and 11 Switchboards — No. 8 Test and Control Board — No. 5, 16, 17B, and 18B Testboards — No. 9 Telegraph Testboard
821-704-151	5	(J94911) — No. 23 — General			
821-704-152	1	(J18037) — Incoming Trunk Test Set for Use With No. 23 Operating Room — Desk Trunk Concentrator Arranged for ANI Operation — AIS System	821-709-152	4	(J64717) - Control Set (Box Type) for Position Test Circuit — No. 3, 3B, and 3C Toll Switchboards, No. 11 Switchboard, No. 8 Test and Control Board, No. 5, 16, 17B and 18B Toll Testboards, No. 9 Telegraph Testboard
821-704-180	1	Performance Requirements — Operating Room Desks — No. 23A, 23B, 23C, and 23D	821-709-153	2	(J64728) - Testing and Maintenance — Position Testing Control Set and Associated Relay Rack Unit — No. 5, 5C, and 5D Toll Switchboards
821-706-150	6	(J61573) - Recording and Recording Completing Trunk — Relay Rack Mounted Units — Toll Switchboards	821-709-154	7	(J64703) - Control Test Set (Box Type) for Continuity and Multiple Jack Testing — No. 1, 1B, and 2 Toll Switchboards — No. 5 and 17C Testboard — No. 18B Testboard in No. 1 or 4 Toll Office — No. 1D, 10, and 11 Switchboards — No. 1 Toll Tandem Switchboard — Tandem Patching Bay — No. 9 Telegraph Testboard
Add 821-706-151	1		Add 821-715-150	1	
821-706-151	12	(J61508) - Relay Rack Mounted Units — Toll Switchboards	821-715-150	3	(J95405) - Equipment in Outlying Offices Associated With Information Desks No. 2, 3, 3A, 3B, 4, 4A, 4B, 6A, 6B, 6C, 6D, 6E, 6F, 7, and 7A and Operating Room Desk No. 19, 23E, and 23F
821-706-152	10	(J61533) - Relay Rack Mounted Units — Toll Switchboards	821-715-152	6	(J93002) - Equipment Arrangements for Information Trunks Arranged for Transfer — No. 1 and 2 Information Desks and No. 17D and 19 Operating Room Desks
821-706-153	5	(J61571) - Intertoll Trunks — Relay-Rack Mounted Units — Toll Switchboards	821-716-152	3	(J95408) - No. 2 Information Desk
Add 821-706-154	1		Add 821-716-153	2	
821-706-154	8	(J61572) - Toll Switching Trunk — Relay Rack Units — Toll Switchboards	821-716-153	7	(J95401) - No. 3 and 3B Information Desk
Add 821-706-155	1		821-716-154	4	(J95404) - No. 4 and 4B Information Desks
821-706-155	3	(J61574) - Subscriber Lines — Relay Rack Units — Toll Switchboards	821-716-156	2	(J95406) - Information Desks No. 6A, 6B, 6D, and 6F
Add 821-706-156	1		Add 821-716-160	2	
821-706-156	4	(J61575) - Operator Office Trunks — Relay Rack Units — Toll Switchboards	821-716-160	2	(J95412) - Information Desks No. 3A, 4A, 6C, and 6E — Modification of Existing Installations to Increase Speed of Trunk Hunting Selectors
821-706-157	4	(J61576) - Tandem Trunks — Relay Rack Mounted Units — Toll Switchboards			
821-706-158	5	(J61577) - DSA Service — Relay Rack Mounted Units — Toll Switchboards			
821-706-159	2	(J61578) - Intraoffice Trunks — Relay Rack Mounted Units — Toll Switchboards			
Add 821-706-160	2				
821-706-160	8	(J61579) - Miscellaneous Relay Rack Units — Toll Switchboards			
821-708-150	9	(J61504) - Sender Frames and Units and Associated Sender Test Frame Equipment for Use With No. 1, 3, 3B, 3C, and 3CL Toll Switchboards Arranged to Receive DC or MF Key pulses and Transmit Revertive Pulses			
821-708-151	8	(J93201) - Sender Frames and Units and Associated Equipment for Use With No. 1, 1B, 3, 3B, 3C, and 3CL Toll Switchboards and No. 15C or 15D Switchboard in Step-by-Step Offices and With Incoming Multifrequency Intertoll Trunks			

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821-716-180	1	Performance Requirements — Information Desks No. 3, 4, 6A, and 6B — Order Turret No. 3
Add 821-717-150	1	
821-717-150	6	(J95414) - No. 7 and 7A Information Desks
821-9 AUXILIARY SERVICE POSITIONS		
821-901-150	2	(J1B027) - Position Simulator Test Set — No. 1A, 2A, 2B, 2C
821-902-150	2	(J1B028) - Position Test Set — No. 1A, 2A, 2B, 2C
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821-903-150	2	(J1B024) - No. 1A
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821-904-150	4	(J1B026) - No. 1A, 2A, 2B, or 2C, — Relay Rack Mounted Units
Add 821-905-151	1	
821-905-151	1	(J1B038) - No. 5B1 and 5C1 for Use With No. 5 Crossbar ACD — Not Arranged for Call Transfer
821-905-152	1	(J1B039) - No. 5B2 & 5C2 and Associated Supervisory Equipment for Use With No. 5 Crossbar ACD — Arranged for Call Transfer

DIVISION 822 — EQUIPMENT DESIGN AND GENERAL EQUIPMENT REQUIREMENTS — AND ENGINEERING INFORMATION — TRAFFIC MANAGEMENT SYSTEMS

- 822-0 Index
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 -2 Service Observing and Evaluation

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822-101-170	1	No. 1 Portable
822-102-150	6	(J99263) - 2A Traffic Usage Recorder (CTUR)
822-103-150	4	(J99319) - 3B Traffic Usage Recorder
822-104-150	3	(J3B012) - 3C Traffic Usage Recorder and BOFADS Interface Equipment for Use With Key Telephone Systems

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822-105-150	9	(J92604) - 4A Traffic Usage Recorder
822-105-170	3	Traffic Usage Recorder
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822-110-170	1	Traffic Measurement System No. 1A — General Features and Arrangements
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822-115-150	2	(J92610) - Traffic Data Recording System No. 1A
822-115-151	2	(J92612) - Traffic Data Summarizer — Traffic Data Recording System No. 1A
822-115-152	1	(J92613) - Traffic Data Remote Recorder — Traffic Data Recording System No. 1A
822-115-153	2	(J94734) - Traffic Data Converter Test Set — Traffic Data Recording System No. 1A
822-115-180	2	Performance Requirements for Traffic Data Summarizer — Traffic Data Recording System No. 1A
822-116-150	1	(J3B018) - Engineering and Administrative Data Acquisition System (EADAS) — Central Office Terminal Equipment
822-116-151	1	(J3B019) - Engineering and Administrative Data Acquisition System (EADAS) — Central Unit
★ 822-116-152	1	(J3B020) - Engineering and Administrative Data Acquisition System (EADAS) — Generic Program
822-116-153	1	(J3B022) - Engineering and Administrative Data Acquisition System/Network Management System
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822-120-150	2	(J92605) - Traffic Register Camera Control Panel — Traffic Register Camera Control Unit
822-121-150	4	(J92609) - KS-15947 Totalizer and KS-15946 Totalizer Test Set
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822-122-150	3	(J92614) - Administrative Cabinet Equipment
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822-125-151	3	(J38021) - Electronic Dial Tone Speed Register Unit	822-204-171	3	No. 12 Service Observing Desk — General Information — Desk Circuits and Equipment
822-126-150	4	(J38008) - Traffic Measurement Equipment for Use With No. 5 Crossbar Office — Arranged for Automatic Call Distribution	822-204-172	1	Incoming Intertoll Service Observing Circuits
822-128-150	1	(J38017) - Cord Switchboard FADS Interface Unit	822-204-173	2	No. 12 Service Observing Desk — Cord Service Observing Circuits
822-2 SERVICE OBSERVING AND EVALUATION			822-204-174	2	No. 12 Service Observing Desk — Speed-of-Answer and Auxiliary Service Observing Circuits
822-201-150	3	(J93805) - Central Service Observing Desk	822-204-175	2	No. 12 Service Observing Desk — Local Dial Line Service Observing Circuits
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822-202-151	3	(J33023) - Relay Rack Units for Service Observing	822-204-177	1	No. 12 — Data Systems Service Observing Circuits
822-202-152	3	(J93018) - Equipment Units for No. 7 Service Observing Desk Position and Relay Rack Units for Service Observing	822-204-180	1	Performance Requirements for Operator Training Desk Used with No. 6A Teletypewriter Switchboard
822-203-150	6	(J93811) - No. 10 Service Observing Desk	822-204-181	1	Performance Requirements for Position Monitoring Desk Used with No. 6A Teletypewriter Switchboard
822-204-150	4	(J93814) - No. 12 Service Observing Desk	822-204-182	5	Performance Requirements for Incoming Trunk and Distribution Position, Telephone, and MF Receiving Circuits — No. 7 or 12 Service Observing Desk
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822-204-152	7	(J93004) - Relay Rack Units for Service Observing Desks	822-210-150	3	(J99207) - Central Office Observing Set No. 2
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Add 822-204-154	2		822-212-150	5	(J93806) - No. 6 Service Observing Set
822-204-154	3	(J23850) - Service Observing Frame and Units — Automatic Message Accounting	822-213-150	2	(J38015) - No. 7B Service Observing Set
Add 822-204-155	1		822-213-151	2	(J38013) - Console for Use With No. 7B Service Observing Set
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822-204-156	2	(J38001) - Equipment Units for Service Observing AMA-DDD Outgoing Traffic in No. 1 Electronic Switching System	822-220-150	1	(J38009) - Special Studies Set No. 1A
822-204-157	3	(J38003) - Service Observing Frame for Observing on Traffic Service Position System No. 1	822-220-151	2	(J38010) - Call Data Recorder for Use With Special Studies Set No. 1A
822-204-158	3	(J38007) - No. 5 Crossbar Automatic Call Distributing	822-220-152	2	(J38011) - Signal Converter
Add 822-204-159	1		822-230-150	2	(J38025) - Service Evaluation System No. 1A — Minicomputer Subsystem
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822-204-160	2	(J1A046) - Equipment Units for Service Observing in an Electronic Switching System No. 1 Office			

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822-230-151	1	(J3B026) - Service Evaluation System No. 1A — Signal Converter/Allotter
822-230-152	1	(J3B028) - Service Evaluation System No. 1A — Signal Converter/Allotter Test Set
822-230-157	1	(J3B041) - Evaluator Certification and Instruction — Call Simulator and Control Cabinet — Service Evaluation System No. 1A

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823-102-150	6	(J1H012) - 2A Switch Unit
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823-103-150	3	(J1H013) - 3A Switch Unit
823-104-150	3	(J1H018) - 4A Switch Unit — Summarizing Specification
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823-205-150	4	(J1H008) - Semipermanent Stores
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824-100-103	2	(J1P035) — General Outline Operating and Equipment Features — Automatic Trouble Analysis System
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824-100-110	4	(J1C016) — Switching Control Center Equipment — No. 1 Switching Control Center System
824-100-111	1	Performance Requirements — Centralized Switching Systems Maintenance — Switching Control Center Equipment — Common
824-100-112	2	(J1P018) — Switching Control Center Equipment — No. 2 Switching Control Center System and Automatic Trouble Analysis System
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824-100-118	1	COMPULERT™ Computer Administration and Maintenance System	824-101-122	2	(J1P056) — Digital Alarm Scanner — E Telemetry Systems
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824-101-112	5	(J94053) - Centralized Automatic Reporting on Trunks (CAROT) — CC1, CC2, and CC3 Controller	824-102-117	3	(J1P033) — Relay Rack Equipment — SMAS 5A or SMAS 5B/RTS 5A
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824-101-114	5	(J1P032) - Circuit Maintenance Systems 1B and 1C	824-102-118	2	(J1P038) — No. 1 Hotel Billing Information System/Centralized Credit Refund System
824-101-115	1	(J1P034) - Telecommunications Alarm Surveillance and Control (TASC) System	Add 824-102-119	1	
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 -1 Network Control Points (NCP)
 -2 Signal Transfer Points (STP)

825-0 INDEXES AND GENERAL INFORMATION

- ♦ 825-000-000 10 Numerical Index — Division 825 — Equipment Design and General Equipment Requirements — Common Channel Signaling System (CCSS)

825-1 NETWORK CONTROL POINTS (NCP)

825-100-000 1 (J3F001) — No. 1A — Equipment Design Requirements and General Description

825-2 SIGNAL TRANSFER POINTS (STP)

825-200-001 1 (J3F006) — System Application Requirements — No. 2

825-210-000 1 (J3F007) — Communications and Maintenance Frame — No. 2

825-210-001 1 (J3F008) — AC Power and Alarm Frame — No. 2

825-210-002 2 (J3F012) — Voice Frequency Link Test Frame and Test Set — No. 2

825-210-003 1 (J3F013) — Office Service Frame — No. 2

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- 825-220-000 2 (J3F009) — Analog Facility Access Frame — Common Network Interface — No. 2 Signal Transfer Point

Add 825-220-001 1

825-220-001 2 (J3F010) — Digital Facility Access Frame — Common Network Interface

825-230-000 2 (J3F011) — Ring Node Frame — No. 2

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DIVISION 851 — SPECIAL SERVICES SYSTEMS — ENGINEERING DESIGN INFORMATION

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 -1 Switched Services Networks
 -2 Nonswitched Special Services Systems
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 851-100-100 4 Common Control Switching Arrangement (CCSA) — Transmission and Signaling Design — General

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Add 851-100-103 1
 851-100-103 5 Common Control Switching Arrangement (CCSA) — Transmission and Signaling Design — Access Lines — Directly-Homed Stations

Add 851-100-104 1
 851-100-104 2 Common Control Switching Arrangement (CCSA) — Access Lines — PBX, Centrex, and Automatic Call Distributor

851-100-106 1 Common Control Switching Arrangement (CCSA) — Transmission and Signaling Design — Access Lines-Off Network

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 851-101-100 1 AUTOVON — Transmission and Signaling Design — General

851-101-101 1 AUTOVON — Transmission and Signaling Design — Intermachine Trunks

851-101-102 1 AUTOVON — Transmission and Signaling Design — PBX and Centrex Access Lines

851-101-103 1 AUTOVON — Transmission and Signaling Design — Subscriber Lines

851-101-104 1 AUTOVON — Transmission and Signaling Design — Special Subscriber and PBX Access Lines

851-101-105 1 AUTOVON — Transmission and Signaling Design — Bridging and Conferencing Arrangements

851-103-100 2 Enhanced Private Switched Communications Service (EPSCS) — General Transmission and Signaling Design

851-103-101 1 Enhanced Private Switched Communications Service (EPSCS) — Transmission and Signaling Design — Intermachine Trunks

851-103-102 2 Enhanced Private Switched Communications Service (EPSCS) — Directly Homed Station Access Lines — Transmission and Signaling Design

851-103-103 1 Enhanced Private Switched Communications Service (EPSCS) — Transmission and Signaling Design — PBX, CTX, and Bypass Access Lines

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851-200-100	1	Design of Multistation Private Line Telephone Circuits	851-300-113	2	Standard Design of Switched Special Service Circuits — Application of Impedance Compensating Networks — Loaded Cable
1A Protective Relaying Terminal			851-300-114	1	Standard Design of Switched Special Services Circuits — Application of Repeater Disablers
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851-201-101	3	Transmission Specifications and Considerations	851-300-130	2	Standard Design of Switched Special Services Circuits — Application of Metallic Facility Terminal Circuits
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851-220-101	1	Bridging Circuit for Two-Wire Multistation Private Line Networks	851-300-155	3	Standard Design of Switched Special Services Circuits — Applications of Digital Carrier Systems — Using D-Type Channel Banks
851-221-101	2	Station Terminating Arrangements for Multistation Private Line Circuits	851-300-165	2	Customer Line Signaling — General Signaling Information Standard Design of Switched Special Services Circuits
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851-240-101	2	Switching System No. 310 — Transmission Engineering Considerations	851-301-112	1	Short- and Long-Haul PBX Off-Premises Lines — Registered Interface — Transmission and Signaling Design
851-3 SWITCHED SPECIAL SERVICES SYSTEMS			851-301-121	1	Foreign Exchange, Remote Wide Area Telecommunications Service, and Centrex Station Lines — Registered Interface — Transmission and Signaling Design
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851-300-100	4	Transmission Design Considerations and Objectives — Switched Special Services and Private Branch (PBX) Automatic Call Distribution (ACD)/Centrex Station Services			
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851-300-101	2	Standard Design of Switched Special Services Circuits — Transmission and Signaling — General			
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851-311-101	3	Transmission and Signaling Design of PBX-CO and Local WATS Trunks for PBXs Requiring Terminal Balance
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<i>*Trademark of Western Electric</i>		
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900-0 INDEXES AND GENERAL INFORMATION

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966-300-100	5	General Descriptive Information

DIVISION 970 — TRANSMISSION SYSTEMS — GENERAL DESCRIPTIVE INFORMATION

970-0 Indexes and General Information
 -1 P-Type Carrier System

970-0 INDEXES AND GENERAL INFORMATION

• ♣ 970-000-000	4	Numerical Index — Division 970 — Transmission Systems — General Descriptive Information
970-010-100	1	Transmission Rating System

970-1 P-TYPE CARRIER SYSTEM

970-110-100	1	The PIT Trunk Carrier System
970-160-100	1	The P1 Carrier Telephone System
970-170-100	1	U-1 Carrier Subscriber Loop Carrier System — General Description

DIVISION 975 — SIGNALING SYSTEMS — GENERAL DESCRIPTIVE INFORMATION

975-0 Indexes
 -1 Message Telephone Service
 -2 Pulsing and Signaling
 -3 Personal Signaling System

975-0 INDEXES

• ♣ 975-000-000	14	Numerical Index — Division 975 — Signaling Systems — General Descriptive Information
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975-1 MESSAGE TELEPHONE SERVICE

975-110-100	2	Customer Loop Signals and Signaling Systems
975-115-100	1	Signals and Signaling Systems — Between Offices
975-120-100	1	Interoffice Signals and Signaling Systems

975-2 PULSING AND SIGNALING

975-210-100	1	Multifrequency Pulsing System
975-212-110	2	"TOUCH-TONE®" Calling Receivers — Type A2 SD-95287-01 and Type A3 SD-98148-01
975-212-130	2	"TOUCH-TONE®" Calling Receiver, Type C1 — SD-67027-01
975-215-100	2	2400- or 2600-Cycle Single-Frequency Signaling System — Toll Systems
975-230-100	2	DX Signaling System
975-240-100	3	Type E Single-Frequency Signaling System — General Descriptive Information

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DIVISION 981 — EQUIPMENT ON CUSTOMERS' PREMISES — (SPECIAL SERVICES AND PRIVATE BRANCH EXCHANGES) — GENERAL DESCRIPTIVE INFORMATION			Add 981-207-100	1	
			981-207-100	1	No. 305 Switching System
			981-207-101	1	305 Switching System for BUIC Phase III Operation — General Description
			♥ 981-207-102	1	Switching System No. 305 — Training and Simulation
981-0		Index and General Information	981-208-100	4	Switching System No. 306 — General Description
-2		Special Services	981-209-100	2	Switching System No. 307 — General Description
-3		Customer Premises System	981-210-100	2	Switching System No. 309 — (AUTOVON) — General Description
-5		500 and 600 Series Private Branch Exchange	Add 981-211-100	1	
-6		700 Series Private Branch Exchange	981-211-100	2	Switching System No. 310
-7		800 Series Private Branch Exchange	981-212-100	2	Modular Terminal Communication System (MTCS) — General Description
981-0 INDEX AND GENERAL INFORMATION			981-224-100	2	No. 400 Switching System
• ♣ 981-000-000	96	Numerical Index — Division 981 — Equipment on Customers' Premises — (Special Services and Private Branch Exchanges) — General Descriptive Information	981-225-100	3	Emergency Reporting System — 520-Type Private Branch Exchange — Direct Line Systems
981-010-100	2	Tie Trunk Circuits	981-225-101	1	Industrial Reporting System — 520-Type Private Branch Exchange
981-011-100	2	"TOUCH-TONE®" Calling for PBX Systems	981-226-100	3	Emergency Reporting System — 520-Type PBX — Concentrator System
981-011-104	1	"TOUCH-TONE®" Calling Receivers — A2-Type SD-95287-01 and A3-Type SD-98148-01	981-226-110	1	8A Key Telephone System for Use at 911 Emergency Answering Bureaus — Basic Service — General Description
981-011-105	1	C-Type "TOUCH-TONE®" Calling Receiver SD-67027-01	981-227-100	1	10A Alerting System — General Description
981-011-106	1	G1 "TOUCH-TONE®" Calling Receiver (SD-1C586-01)	981-228-100	2	11A Alerting System — General Description
981-012-100	4	Centralized Attendant Service — 770A, 812A, DIMENSION* 400, 600, 2000, and Custom PBXs and No. 1/No. 1A ESS — General Descriptive Information	981-234-100	3	Force Administration Data System (FADS) When Used With 2A and 3A Automatic Call Distributing System
981-013-100	1	Automatic Number Identification (ANI) (SD-1E505-01)	Add 981-235-100	1	
			981-235-100	2	2A Automatic Call Distributing System
981-2 SPECIAL SERVICES			981-235-101	2	2B Automatic Call Distributing System — General Description
981-200-100	2	1A Telephone Warning System	Add 981-236-100	2	
981-201-100	1	SAGE/BUIC Phase III General Description	♣ 981-236-100	2	3A Automatic Call Distributing System
981-202-100	2	SAC Main Operating Base Turret — General Description	981-237-100	2	4A Call Distributing System (4A CD)
981-203-100	1	1A2 Key Telephone System — General Description	Add 981-240-100	1	
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981-204-105	4	Switching System No. 301A — General Description	981-248-100	1	2A Communication System — (Business Interphone) — General Description
981-204-106	1	Switching System — No. 302 — General	981-249-100	5	4-Wire Private Line Terminating Circuit SD-69566-01 — General Description
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981-261-100	2	Interface Trunk Circuit SD-66926-01 — For PBX Systems, No. 5 Crossbar, and No. 1 and No. 101 Electronic Switching Systems
981-270-100	2	PBX Access Lines — (Autovon) — General Description
981-271-100	1	Dial Restoration Panel — (Autovon) — General Description
981-272-100	1	Addressable Data SAGE/BUIC — Phase 111 SD-1G244-01, SD-1G245-01, SD-1G246-01, SD-1G250-01
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Add 981-281-100	1	
981-281-100	1	Civil Defense Warning System (CDWS) — Bell and Lights System — General Description
981-282-100	1	Primary Crash Alarm System (Crash Phones) — General Description

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981-6 700 SERIES PRIVATE BRANCH EXCHANGE

981-601-100 3 Arrangement for Automatic Number Identification (ANI) Circuit (SD-1E007-01)
 981-610-100 1 701B and 711B
 981-610-101 1 701B — Arranged for Operation With Telephone Consoles
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981-7 800 SERIES PRIVATE BRANCH EXCHANGE

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DIVISION 982 — PRIVATE SERVICE SYSTEMS — GENERAL DESCRIPTIVE INFORMATION

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 982-2 Private Line Termination
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982-2 PRIVATE LINE TERMINATIONS

982-200-100 2 4-Wire Private Line Terminations Circuit SD-1G297-01—General Description

982-3 SIGNALING SYSTEMS

982-305-100 1 SC2 Selective Control System
 982-325-100 3 SS1 Selective Signaling System — General Descriptive Information — Private Line Telephone Service
 982-326-100 1 SS-1A Selective Signaling System — Private Line Telephone Service
 982-328-100 1 SS-3 TOUCH-TONE® Selective Signaling System — General Description
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 -1 Traffic Service Position Systems No. 1

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984-1 TRAFFIC SERVICE POSITION SYSTEMS NO. 1			984-525-129	3	Traffic Service Position System No. 1 — Service Observing Circuits — Service Evaluation System No. 1A
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	984-100-102	2 Remote Trunk Arrangement and Position Sub-system No. 2 Features	984-525-132	1	No. 4 Electronic Switching System — Service Observing Circuits — General Descriptive Information — Service Evaluation System No. 1A
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984-2 TRAFFIC SERVICE POSITION SYSTEMS NO. 1B					
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984-5 TRAFFIC MANAGEMENT SYSTEMS					
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5. CATALOG OF INDEXES

A. General

5.01 This catalog provides a numerical listing of indexes (excluding divisional numerical indexes) such as alphabetical, permuted, interdivisional, etc., released as Bell System, AT&T Western Electric, and AT&T Practices.

5.02 Each index entry consists of the 9-digit practice number of the index, the latest issue number, and the subject of the index.

5.03 A star (★) indicates an item rated AT&T SPCS which contains trade secret information and which is available to authorized addresses only.

5.04 A solid triangle (▲) indicates a new or reissued item which, because of their limited need, will not be distributed on standing order except through coded distribution. Additional copies may be obtained by placing regular (one-time) orders.

5.05 A spade (♠) indicates an item not on microfiche. This index indicates the latest issue for hard-copy practices. In some cases, the microfiche will reflect the next higher issue as a result of the reduced distribution interval.

5.06 "Add" is the abbreviation for Addendum.

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000-000-006	3	Maintenance Practices Available as Handbooks — Index and Ordering Information
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218-232-501	12	Traffic Register Lead Index — No. 5 Crossbar Offices Equipped With Master Test Frame
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218-423-001	1	Alphabetical Index — Completing Marker Tests — Using Office Test Frame Test Circuit SD-27633-01 (J23260) — No. 5 Crossbar Offices
218-532-500	3	Traffic Register Lead Index — No. 5 Crossbar Offices Equipped With Office Test Frame (J3260)
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- 250-000-005 1 Interdivisional Numerical Index — Traffic Service Position System No. 1/1B
- 254-301-000 2 System Documentation Description and Organization — AT&T 3B20D Model 1 Computer
- 254-302-000 1 System Documentation — Description and Organization — 3B20D Model 2 Computer
- 254-302-001 1 Interdivisional Numerical Index — 3B20D Model 2 Computer
- 255-000-010 3 Interdivisional Numerical Index — No. 1A Voice Storage System
- 255-100-005 2 Organization and Description of Practices — 1A Voice Storage System
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- 460-000-006 6 Alphabetic-Numeric Index — Station, Key, PBX, and Private Service Systems

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- 518-451-110 6 Interdivisional Alphanumeric Index — Feature Documents — HORIZON® Communications System
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**530-0) PRIVATE BRANCH EXCHANGES
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- 533-000-001 19 Interdivisional Alphanumeric Index — ESS Switch Provided Services — Customer Premises Systems (CPS)
- 554-000-100 7 Documents Not Listed in 554 Division Index — DIMENSION® PBX
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**570-0) TELETYPEWRITER AND OTHER
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- 570-000-003 1 Master Cross-Reference Index of Part Numbers and Associated 9-Digit Sections

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- 760-000-005 1 Alphabetical Index — Division 760-770 — Building Engineering — Building Operation

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- ◆ 780-000-010 1 Master Numerical Index — Network Administration Practices — Network Operations Indexes
- 780-400-005 1 Cross Reference Index — Traffic Facilities Practices to Other Practices

**800-0) EQUIPMENT DESIGN AND GENERAL REQUIREMENTS
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