1D/2D-TYPE
COIN TELEPHONE SETS (DTF ONLY)
IDENTIFICATION

1. GENERAL

1.01 This section contains information on the 1D/2D-type coin telephone sets (Fig. 1, 2, and 3) and the D-180707 Kit of Parts (Fig. 4).

- The D-180707 Kit of Parts contains a 47A (MD) or 47A2 signal and a 32A chassis
- The kit is designed for field conversion of 1A/2A, 1C/2C, and 1E-type coin telephone sets to a 1D/2D-type.

1.02 This section is reissued to:
- Add 70B dial
- Show 70A dial MD
- Add 47A2 signal
- Show 47A signal MD
- Revise Tables B and D
- Add information on 811057835 cover
- Add information on 840358303 hook
- Add information on Radio Frequency Interferance (RFI).

1.03 Codes are described in Table A.

1.04 Overall dimensions of the 1D/2D sets are identical to 1C/2C sets as follows:

(a) 1D-type set:
- Height—21 inches
- Width—7-3/4 inches
- Depth—6-1/4 inches

(b) Overall dimensions of the 2D-type set are shown in Fig. 3.

1.05 Refer to TOP 506-410-402 for installation and maintenance information.

<table>
<thead>
<tr>
<th>CODE</th>
<th>FIG.</th>
<th>HOUSING</th>
<th>MODE OF OPERATION</th>
<th>DIAL TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1D1</td>
<td>1</td>
<td>Box</td>
<td>Rotary</td>
<td></td>
</tr>
<tr>
<td>1D2</td>
<td></td>
<td>Type</td>
<td>Rotary</td>
<td>TOUCH-TONE</td>
</tr>
<tr>
<td>2D1</td>
<td>2</td>
<td>Panel</td>
<td>Dial-Tone-First</td>
<td>Rotary</td>
</tr>
<tr>
<td>2D2</td>
<td></td>
<td>Type</td>
<td>Dial-Tone-First</td>
<td>TOUCH-TONE</td>
</tr>
</tbody>
</table>

NOTICE
Not for use or disclosure outside the Bell System except under written agreement
## LEGEND 1D-SET

1. 840156827 Information Plate
2. 840358725 Shaft and Handle Assembly
3. G3AH, G3AHF, G3AK, or G3AKF Handset
4. 812755429 Chute Locking Lever and 812754976 Spring
5. Coin Cover Unit*
6. 840157390 Self-locking Screw
7. Coin Dial Unit*
8. TB2
9. 811554443 Coverplate and 801816786 BHM Screw
10. P1
11. J1
12. 32A Chassis
13. P2
14. 1A Coin Relay
15. 811557172 Coin Hopper Assembly
16. 1AA Coin Relay
17. TB1
18. C4-Type Ringer
19. 812165462 Coin Return Assembly
20. 2-Type Door
21. Slot for 719A Tool
22. 811557304 Return Chute Assembly
23. 47A (MD) or 47A2 Signal
24. 20A Chute
25. 20A47A (MD) or 20A47A2 Chute
26. Dial*
27. 812363602 Entrance Stop
28. 840358303 Hook
29. 811057835 Cover (not shown in Fig. 1)

* Refer to Table B.
Fig. 2 — 2D-Type Coin Telephone Set
**LEGEND 2D-SET**

1. 840156237 Information Plate  
2. Number Card  
3. Slot for 719A Tool  
4. Dial*  
5. Slot for 29A Lock  
6. G3AH, G3AHF, G3AK, or G3AKF Handset  
7. 812165462 Coin Return Assembly  
8. 5A Door  
9. Slot for 30-Type Lock  
10. 812363612 Entrance Stop  
11. 812755429 Chute Locking Lever and 812754976 Spring  
12. 7A Clip  
13. C4-Type Ringer  
14. TB1  
15. 20A Chute  
16. 47A (MD) or 47A2 Signal  
17. 20A47A (MD) or 20A47A2 Chute  
18. 811557172 Coin Hopper Assembly  
19. 1A Coin Relay  
20. 1AA Coin Relay  
21. 32A Coin Relay  
22. P2  
23. 811557304 Return Chute Assembly  
24. 811554443 Coverplate and 801816786 BHM Screw  
25. P1  
26. TB2  
27. 840157390 Self-locking Screw  
28. Coin Dial Unit*  
29. 840358303 Hook  
30. 811057835 Cover

* Refer to Table B
1.06 The 1D/2D-type sets and the D-180707 Kit of Parts are designed for Bell System Standard, DTF service.

1.07 For problems involving RFI, refer to Section 500-150-100.

2. IDENTIFICATION

ORDERING GUIDE

2.01 Basic Telephone Set:
- Set, Coin Telephone, ID1,* 1D2,* 2D1,* or 2D2*

2.02 Components: See Table B and Fig. 1 and 2.

2.03 Associated Apparatus (Order Separately): See Table C.

2.04 Kit of Parts:
- Kit of Parts, D-180707.

DESIGN FEATURES

A. 1D/2D-Type Set

2.05 All parts are contained in a high-security steel housing. The cover unit/door and faceplate assembly has six locking points actuated by a 719A tool and secured by a 29A lock. A 32A lock may be used in 1-type sets.

2.06 The 1-type set cash compartment door has four locking points actuated by a 719A tool. The 2-type set cash compartment door has five locking points; three are actuated by a 719A tool; two are stationary. All cash compartment doors are secured by a 30-type lock.

*See Table B for color selection.

2.07 Provision is made for use of four security studs.

2.08 The set is designed to accept U.S. nickels, dimes, and quarters only.

2.09 All sorting of coins is done internally by the coin chute.

2.10 Sets have transmission characteristics of 500-type telephone sets.

2.11 Electrical connections of the field-replaceable cover unit and signal are made by plug and jack arrangement.

2.12 The 47A *(MD) or 47A2* signal is the coin transducer which mounts to a 20A chute and uses piezoelectric sensors to detect the passage of nickels, dimes, and quarters in their appropriate channels. Voltage signals from the signal serve as inputs to the 32A chassis. This chassis totalizes to initial rate and controls coin signaling and set calling functions. The chassis circuit also includes an active network for speech equalization, the ringer, and an integrated circuit coin tone oscillator.

2.13 Setting of initial rate is done by inserting one or more leads into the negative field (VCC-) (Fig. 5). Six leads, terminated on back side of chassis are color coded and individually plug ended. Each lead represents a specified amount. These plug-ended leads are pressed on the tubular connectors to establish an initial rate setting.

B. D-180707 Kit of Parts

2.14 The D-180707 Kit of Parts is designed to convert 1A/2A, 1C/2C, and 1E-type coin telephone sets to 1D/2D-type coin telephone sets. Bell System Standard Dial-Tone-First line must be provided at time of conversion.
NOTES:
1. ALL DIMENSIONS SHOWN ARE IN INCHES.
2. THE SWITCHHOOK AND HANDSET EXTEND 2-3/4 INCHES IN FRONT OF THE FACEPLATE.

Fig. 3—Rear View of Panel Set Showing Dimensions
### TABLE B

<table>
<thead>
<tr>
<th>COIN TEL SET</th>
<th>COIN COVER UNIT</th>
<th>COIN DIAL UNIT</th>
<th>DIAL†</th>
<th>NUMBER PLATE ASSY</th>
<th>INFORMATION PLATE</th>
<th>HANDSET (NOTE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1D1-03 (Black)</td>
<td>70A3-03</td>
<td>60A3-44</td>
<td>8W (MD) or 8WA</td>
<td>818418527</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1D1-44 (Chrome)</td>
<td>70A3-44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1D1-51 (Moss Green)</td>
<td>70A3-51</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1D2-03 (Black)</td>
<td>71A3-03</td>
<td>61A3-44</td>
<td>70A (MD) or 70B</td>
<td></td>
<td>840156327</td>
<td>G3AH, G3AK, G3AHF, or G3AKF</td>
</tr>
<tr>
<td>1D2-44 (Chrome)</td>
<td>71A3-44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1D2-51 (Moss Green)</td>
<td>71A3-51</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2D1-67 (Brushed Stainless)</td>
<td></td>
<td>60A3-44</td>
<td>8W (MD) or 8WA</td>
<td>818720526</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2D1-84 (Bronze)</td>
<td></td>
<td></td>
<td></td>
<td>818720039</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2D2-67 (Brushed Stainless)</td>
<td></td>
<td>61A3-44</td>
<td>70A (MD) or 70B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2D2-84 (Bronze)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** A G13D amplified handset can be used with a 1D/2D coin telephone set. Refer to Section 501-211-102 for complete information.

* These coin cover unit and coin dial unit codes are ordering information to obtain the unit, wired, tested, and equipped for the correct mode of operation. Since the coin-first and dial-tone-first coin cover units and coin dial units shown in Table C of Section 506-410-400 may be field converted from one type to another, maintenance, and installation should be based on the first three (3) characters of the code only. It is important therefore to ensure that the unit being used is wired properly and that the coin cover unit has the proper information plate and instruction cards for the type of service with which it is being used. All rotary coin cover units are equipped with 8W (MD) or 8WA dials and all TOUCH-TONE coin cover units are equipped with 70A (MD) or 70B dials.

† 70A (MD) dials manufactured before May, 1977 do not meet the same manufacturing electrical requirements as the D-type set. Upon conversion to D-type sets or during coin cover unit or coin dial unit replacement check the date of the dial on the dial front faceplate. Do not use a pre-May, 1977 70A dial unless the later vintage is not readily available.
### TABLE B (Contd)

**COMPONENTS AND COLOR SELECTION**

<table>
<thead>
<tr>
<th>CHUTE</th>
<th>COIN CHASSIS</th>
<th>COIN RELAY AND HOPPER ASSY</th>
<th>RETURN CHUTE ASSY</th>
<th>COIN RETURN ASSY</th>
<th>COIN RECEP-TACLE</th>
<th>CASH COMPT DOOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>20A47A (MD) or 20A47A2 Consists of a 20A Chute and a 47A (MD) or 47A2 Signal</td>
<td>32A</td>
<td>1AA Consists of a 1A Coin Chute and Chassis Relay and 811557172 Coin Hopper Assy</td>
<td>811557304</td>
<td>812165462</td>
<td>1B</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5A-67</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5A-84</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5A-67</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5A-84</td>
</tr>
</tbody>
</table>
Fig. 4—0D-180707 Kit of Parts

Fig. 5—32A Coin Chassis (Rear View)
### TABLE C

**ASSOCIATED APPARATUS**  
*(Ordered Separately)*

<table>
<thead>
<tr>
<th>COIN TEL SET</th>
<th>CASH COMPT DOOR</th>
<th>COIN RECEP-TACLE</th>
<th>COIN RECEP-TACLE COVER</th>
<th>CASH COMPT LOCK</th>
<th>COVER UNIT ASSY OR DOOR AND FACEPLATE ASSY LOCK</th>
<th>ALARM SWITCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1D-Type</td>
<td>2A-03 or 2B-03 (Black)</td>
<td></td>
<td></td>
<td></td>
<td>1A Switch Kit and 257A Switch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2A-44 or 2B-44 (Chrome)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2A-51 or 2B-51 (Moss Green)</td>
<td>1C-Type</td>
<td>1E</td>
<td>30-Type</td>
<td>29A</td>
<td></td>
</tr>
<tr>
<td>2D-Type</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td>257A Switch</td>
<td></td>
</tr>
</tbody>
</table>

* The cash compartment door is furnished with all 2D-type phones.

### TABLE D

**INITIAL RATE LEADS**

<table>
<thead>
<tr>
<th>LEAD COLOR</th>
<th>LEAD MONETARY VALUE</th>
<th>OTHER END OF LEAD CONNECTED TO PIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>BR</td>
<td>5 Cents</td>
<td>36</td>
</tr>
<tr>
<td>R</td>
<td>10 Cents</td>
<td>35</td>
</tr>
<tr>
<td>Y</td>
<td>20 Cents</td>
<td>33</td>
</tr>
<tr>
<td>S</td>
<td>40 Cents</td>
<td>32</td>
</tr>
<tr>
<td>W-BL</td>
<td>80 Cents</td>
<td>30</td>
</tr>
<tr>
<td>W-BR</td>
<td>1 Dollar — 60 Cents</td>
<td>29</td>
</tr>
</tbody>
</table>