INDOOR-OUTDOOR BOOTH
KS-19425 UNIVERSAL II

Fig. 1—KS-19425 Indoor—Outdoor Booth

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1. GENERAL

1.01 The KS-19425 booth is an aluminum and glass enclosure which is a direct replacement for the KS-16797 Universal booth.

1.02 This section is reissued to:

- Include information on new bottom panels
- Include information on new leveling angle brackets.

2. IDENTIFICATION

2.01 The KS-19425 booth (Fig. 1) is an indoor-outdoor aluminum and glass telephone booth designed for single, side-by-side, or back-to-back installations. It is available in polished aluminum (List 60) and gold (List 61).

2.02 This booth is designed primarily for stand-up service; however, a high-position seat, located approximately 27 inches from the floor, is available for sit-down service if desired.

2.03 The overall dimensions of the booth are:

- Height—83-1/8 inches
- Width—28-3/4 inches
- Depth—28-3/4 inches (front sign projects 1-1/2 inches beyond this dimension).

2.04 The self-closing door, consisting of two vertical sections, each supporting a clear safety glass panel, folds inside the booth along the right wall. When the door is released from the open position, the spring assembly will stop and position the door at partially open position. For indoor use, the door may remain in the normally opened position if so desired. A rubber molding is attached to the bottom edge of the door to reduce hazards.

PANELS

Door, Side, and Rear Panels

2.05 Door, side, and rear panels are available as described in Table A.

Sign Panels

2.06 Sign panels are available as described in Table B.

▶Bottom Panels

2.07 Bottom panels are available as described in Table C.◀

ILLUMINATION AND VENTILATION

2.08 Unless otherwise specified, the booth is illuminated by a KS-19207, List 7 light fixture which also illuminates the signs. See Section 508-820-100.

2.09 Ventilation is provided through an opening in the front sign and also through screened louvered panels which may be installed at the sides and rear in place of a sign. For locations where additional ventilation is required, a KS-19207, List 3 light and blower unit can be used; this unit must be ordered separately plus the following associated items:

- B-650927 switch assembly
- B-650929 actuator assembly
- B-684779-2 switch assembly
- B-558806-2 switch housing
- Two 8-32 by 1/4 Phillips RH self-tapping screws
- Two 8-32 by 1/2 Phillips RH self-tappping screws.
- B-993174 baffle
- B-650853 venturi
- Two B-684734 clips
- Nine 8-32 by 3/8 Phillips RH self tapping screws

Note: The B-684779-2 backboard mounted switch permits the customer to turn the blower on and off as desired. This switch is used in conjunction with the B-650927 door operated switch.

◗TABLE A◖

DOOR, SIDE, AND REAR PANELS

KS-19580 LIST NO.	DESCRIPTION	REMARKS	
10*	Tempered Glass Panel	7/32-inch thick small side or rear panel	
12*		7/32-inch thick large side or rear panel	
14*		7/32-inch thick door panel	
32	Aluminum Panel†	Small side or rear panel	
33		Large side or rear panel	
90	Porcelain Enamel Panel	Large side or rear panel	Blue
91			Gray
92			Red
93		Small side or rear panel	Blue
94			Gray
95			Red

*Furnished unless otherwise specified.

† Aluminum panels are available in various finishes as follows:
- List 60 — Bright
- List 61 — Gold

◗TABLE B◖

TELEPHONE SIGN PANELS

KS-19580 LIST NO.	COLOR		REMARKS
	LETTERS	BACKGROUND	
16		Aluminum Solid Panel†	Used on sides and rear in place of telephone sign
35		Aluminum Louvered Panel†	Used on sides and rear to increase ventilation of booth
72*	White	Blue	Front sign
75	Blue	White	
80*	White	Blue	Rear and side signs
84	Blue	White	
86	None	Blue	Front sign
87		White	
88		Blue	Rear and side signs
89		White	

* Furnished unless otherwise specified.

† Aluminum panels are available:
- L60 — Bright
- L61 — Gold

2.10 When used outdoors, this booth may be equipped with a KS-19261, List 1 light control unit. In multiple installations, a maximum of five booths may be interconnected and controlled by one light control mounted in the end booth of the row.

2.11 Refer to Section 508-825-100 for complete information on the KS-19261 light control unit.

2.12 In multiple installations, a KS-19580, List 51 receptacle assembly (Fig. 2) must be used in conjunction with a KS-19261, List 1 light control unit as follows.

(a) One receptacle for ***each multiple installation*** where KS-19207, List 7 light fixtures are used.

(b) One receptacle for ***each booth*** where KS-19207, List 3 light and blower units are used.

2.13 When the KS-19580, List 51 receptacle assembly is required, it must be ordered separately plus the following associated items:

- B-650837 bracket
- Four 8-32 by 3/8 Phillips RH self-tapping screws.

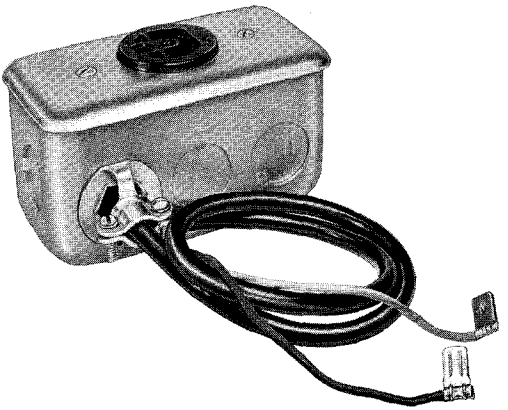


Fig. 2—KS-19580, List 51 Receptacle Assembly

WIRING

KS-19425, List 25 Lower Backboard

2.14 When underground or ground level wire entrance is desired, use KS-19425, List 25 lower backboard plate and cover assembly (Fig. 3). Order separately.

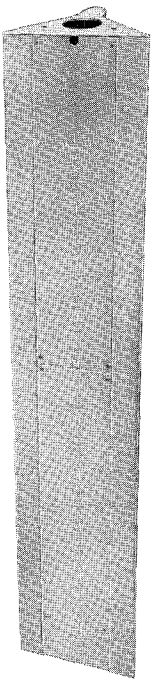


Fig. 3—KS-19425, List 25 Lower Backboard Plate and Cover Assembly

Electrical Wiring

2.15 Use one of the following.

(a) ***KS-19425, List 22 cable assembly (Fig. 4).*** Used to bring overhead power into an indoor booth or to connect adjacent booths in multiple installations

(b) ***KS-19425, List 24 power cable assembly (Fig. 5).*** Used to bring power from the KS-19426, List 17 circuit breaker box

to the electrical receptacle located above the ceiling.

(c) ***KS-19580, List 30 power cord assembly (Fig. 6).*** Used to bring overhead power into an outdoor booth.

If a circuit breaker is required, the following items must be ordered separately:

- Hineman Electric Co. No 0912 circuit breaker
- KS-19426, List 17 circuit breaker box (Fig. 7)
- Two 8-32 by 3/8 Phillips RHM self-tapping screws.

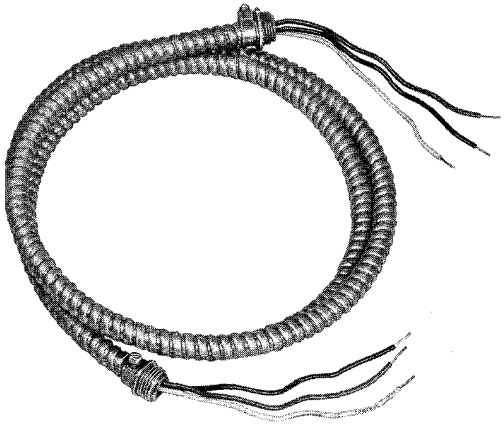


Fig. 5—KS-19425, List 24 Power Cable Assembly

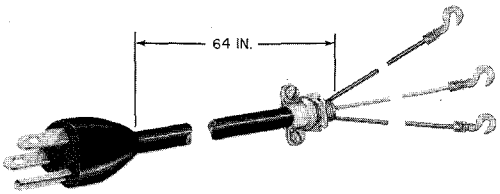


Fig. 4—KS-19425, List 22 Cable Assembly

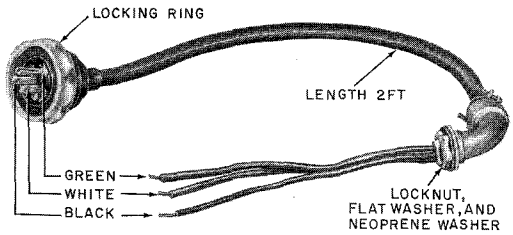


Fig. 6—KS-19580, List 30 Power Cord Assembly

Telephone Wiring

2.16 The telephone wire will terminate above the ceiling on a 123A1A protector which is furnished with booth:

- Older models will have the protector mounted on a stationary plate (Fig. 8)
- Current models will have the protector mounted on a detachable plate (Fig. 9) for convenient access. Refer to Part 4 for conversion.

2.17 The booth is wired for coin telephone set connections.

CARD FRAME

2.18 The booth will accept a KS-19928, List 2 card frame. Refer to Section 508-811-100.

DIRECTORY HANGER, RACK, AND SHELF ARRANGEMENTS

2.19 Refer to Fig. 10 through 12.

2.20 Unless otherwise specified a KS-19425, List 27 shelf assembly is furnished with each booth which will accept a separately ordered KS-20030, List 3 directory hanger.

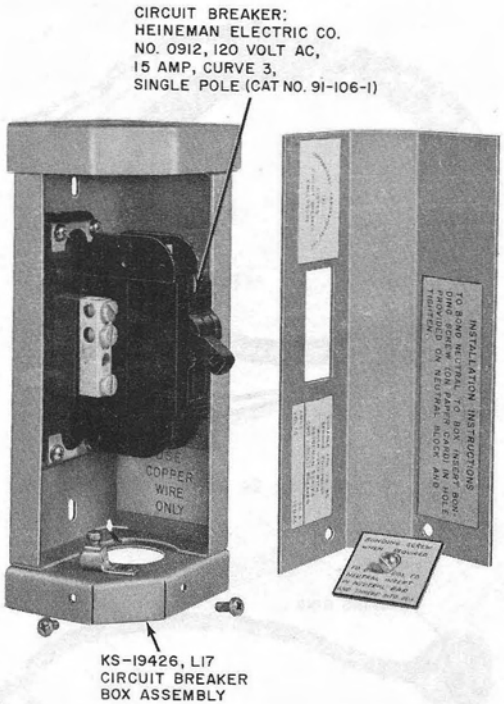


Fig. 7—Circuit Breaker and Box Assembly

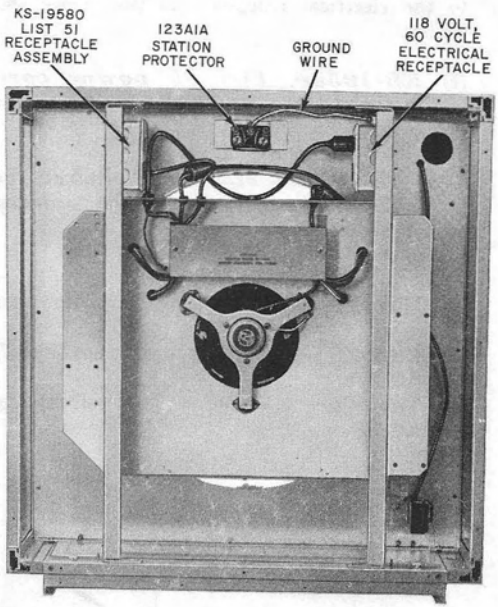


Fig. 8—KS-19425 Booth Ceiling Area (Older Model)

SEAT ASSEMBLY

2.21 Refer to Fig. 12.

2.22 Order KS-19425, List 11 seat assembly and KS-19425, List 12 mounting plate separately when required.

FLOOR

2.23 An aluminum tread floor (Fig. 13 and 14) is furnished.

LEVELING DEVICES

2.24 ◗Adjustible angles (Fig. 13) are provided to facilitate booth leveling up to 3 inches. They are also used for bolting the booth to its mounting surface. Leveling inserts shown in Fig. 14 have been MD.◖

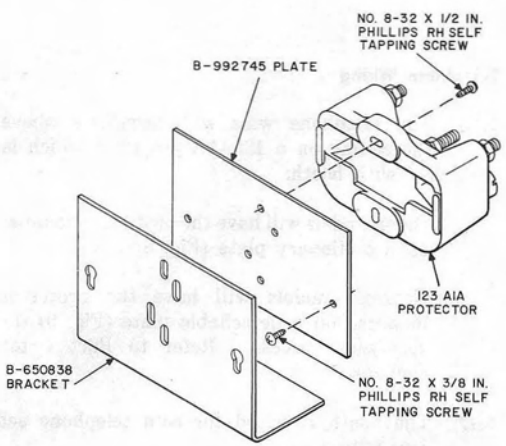


Fig. 9—Conversion of Protector Mounting Bracket

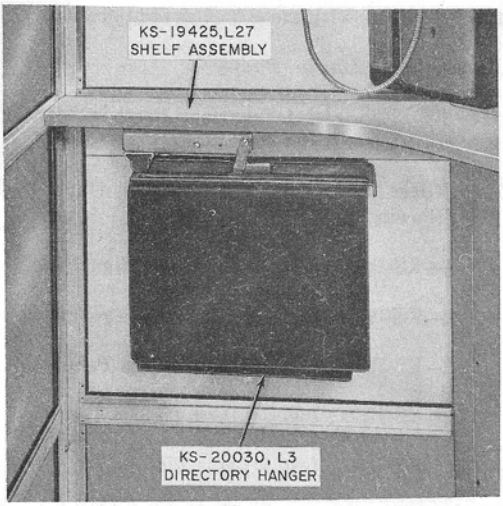


Fig. 10—KS-19425, List 27 Shelf Assembly with KS-20030, List 3 Directory Hanger

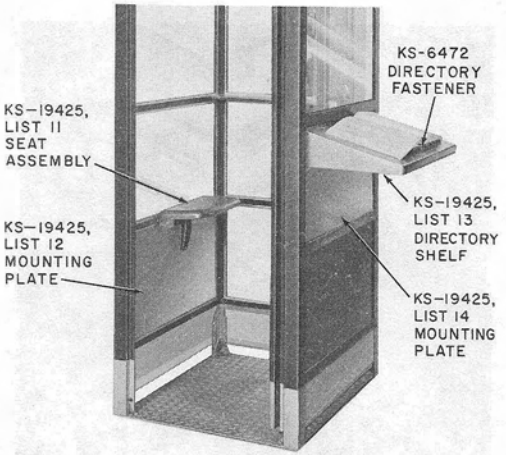


Fig. 12—KS-19425, List 11 Seat Assembly, KS-19425, List 13 Directory Shelf and Associated Mounting Plates

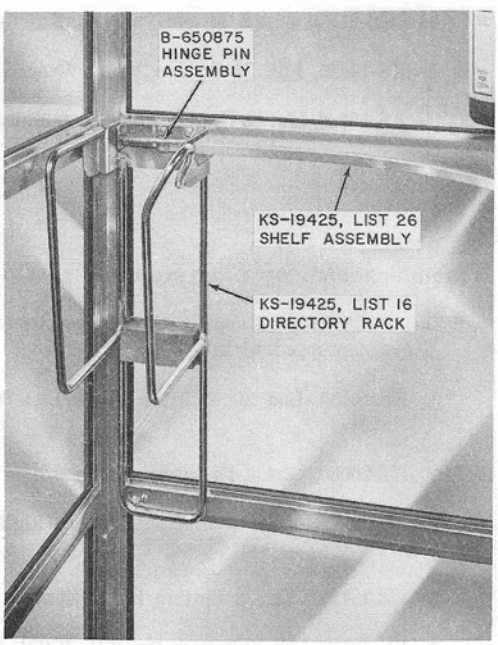


Fig. 11—KS-19425, List 16 Directory Rack and KS-19425, List 26 Shelf Assembly

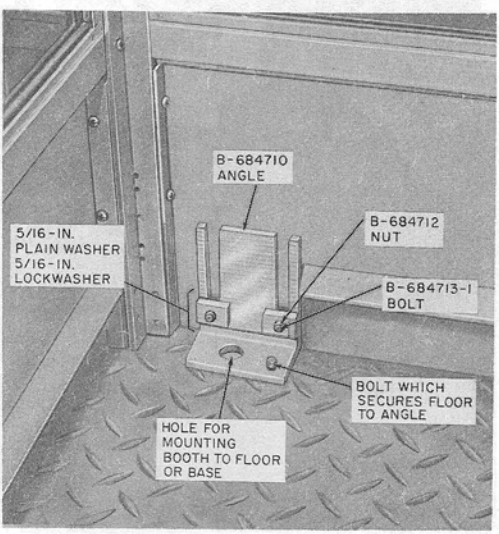


Fig. 13—Mounting and Leveling Angle

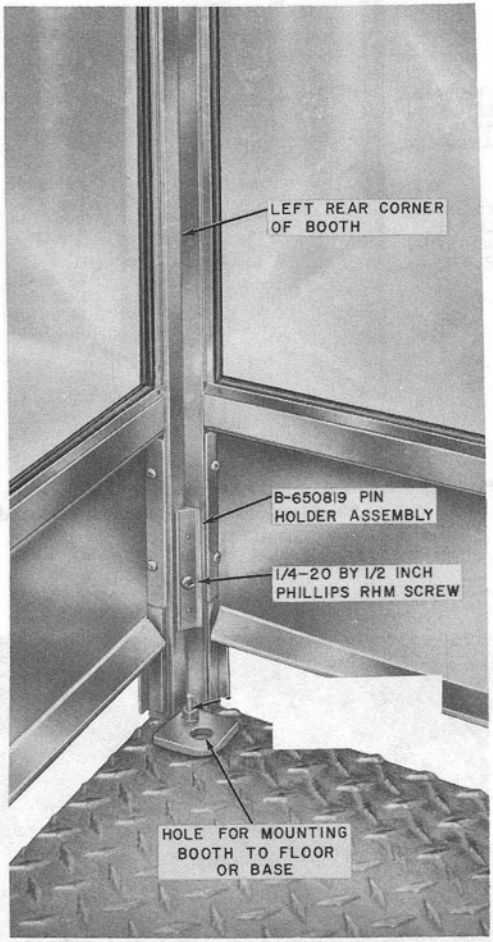


Fig. 14—Leveling Insert Assembly

MULTIPLE KIT

2.25 Refer to Fig. 15.

ORDERING GUIDE

Note: Use full size bottom panels between booths in multiple installations to reduce conversation interference.

2.26 The following are examples of typical orders:

Example 1 Single Booth:

1—KS-19425, List 4 Telephone Booth w/List 60 finish

Note: The above order will include the following items:

1—KS-19580, List 72 Telephone Sign Panel

2—KS-19580, List 80 Telephone Sign Panels

3—KS-19580, List 12 Large Glass Panels

2—KS-19580, List 14 Door Panels

1—KS-19207, List 7 Light Fixture

1—KS-19425, List 27 Shelf Assembly

1—KS-19425, List 21 Sign Blank Assembly

6—KS-19580, List 10 Small Glass Panels

▶1—KS-21716, List 2 Bottom Panel, Right Side

1—KS-19425, List 34 Bottom Panel, Rear

1—KS-19580, List 50 Bottom Panel, Left Side.◀

Example 2 Side by Side Multiple:

2—KS-19425, List 4 Telephone Booths w/List 60 finish, equipped with:

1—KS-19580, List 20 Multiple Kit w/List 60 finish

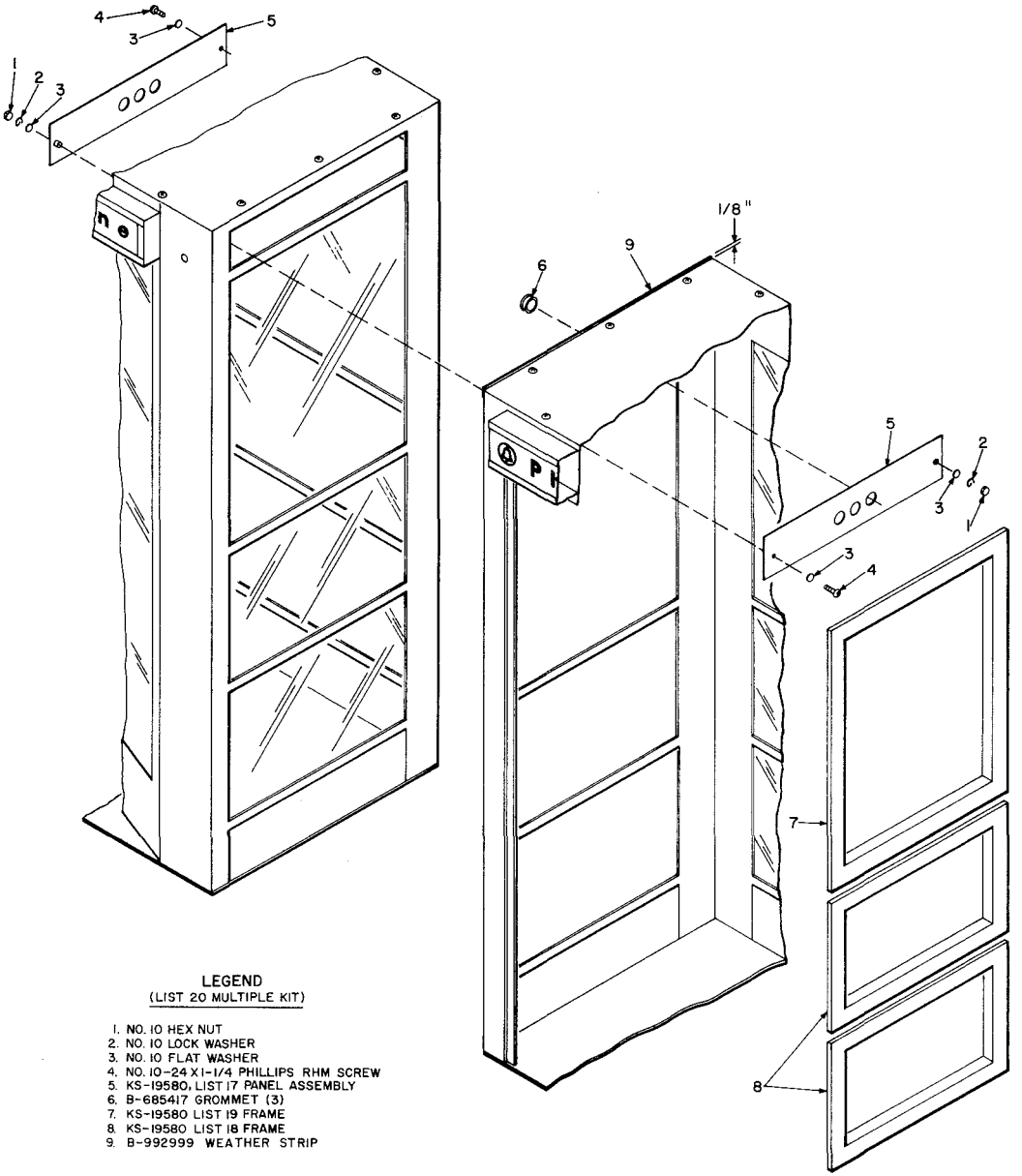
2—KS-20030, List 3 Directory Hangers

▶1—KS-21716, List 3 Bottom Panel (Right Side)

2—KS-19425, List 36 Bottom Panel (Rear)

1—KS-19580, List 49 Bottom Panel (Left Side)◀

2—KS-19425, List 22 Cable Assemblies.



LEGEND
(LIST 20 MULTIPLE KIT)

1. NO. 10 HEX NUT
2. NO. 10 LOCK WASHER
3. NO. 10 FLAT WASHER
4. NO. 10-24 X 1-1/4 PHILLIPS RHM SCREW
5. KS-19580, LIST 17 PANEL ASSEMBLY
6. B-685417 GROMMET (3)
7. KS-19580 LIST 19 FRAME
8. KS-19580 LIST 18 FRAME
9. B-992999 WEATHER STRIP

Fig. 15—KS-19580, List 20 Multiple Kit

3. INSTALLATION

3.01 Booth location should be:

- Within full view of public
- Readily accessible to customer
- Free of such hazards as broken or uneven pavements and flooring
- Spaced with a minimum clearance of 6 inches from property lines and building
- Placed with as little step up as possible (maximum of 3 inches) but still maintaining proper drainage
- Protected by bumper guards (outdoor only).

3.02 The KS-19425 booth requires anchoring at all outdoor locations. Anchoring at indoor locations is desirable; however, this may not be possible in some instances.

INSTALLING THE FOUNDATION TEMPLATE

3.03 When necessary to provide a concrete base, a KS-19425, List 10 or List 20 foundation template (Fig. 16) is used. Install the template as follows.

(a) Prepare a form 40 inches square with an inside depth of 10 inches (Fig. 17).

(b) Tamp 6 inches of cinders or gravel in the bottom of form.

(c) Position the template in the form on wooden blocks so that the top of mounting inserts will be flush with top of concrete base as shown in Fig. 17.

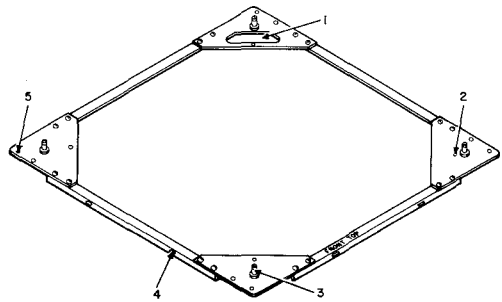
(d) If underground power and telephone wires are to be used, provide for holes in the concrete base at corresponding hole positions in the template.

Do not remove screw plugs from booth mounting inserts until booth is installed. Their purpose is to prevent dirt from filling mounting holes.

(e) For multiple booth installations where separation between booths is ***not*** required, lengthen the form approximately 29 inches for each additional booth. Fasten adjacent templates together with two 10-32 by 1/2-inch RHM screws and two No. 10-32 hex nuts.

(f) For multiple booth installations where separation of booths ***is*** required, lengthen the form sufficiently and fasten adjacent templates together with steel straps (fabricated locally) and No. 8 sheet metal screws.

(g) Pour concrete around the template(s) to fill the form.



LEGEND:
1. HOLE FOR UNDERGROUND TELEPHONE AND POWER WIRE ENTRANCE.
2. NAIL HOLES FOR ATTACHING TEMPLATE TO LEVELING BLOCKS.
3. BOOTH LEVELING INSERT.
4. HOLES FOR FASTENING TWO TEMPLATES TOGETHER WHERE SEPERATION IS NOT REQUIRED.
5. HOLES FOR FASTENING STEEL STRAPS WHERE SEPARATION OF TEMPLATES IS REQUIRED.

Fig. 16—KS-19425, List 10 or List 20 Foundation Template

INSTALLING THE BOOTH

3.04 Secure booth as follows.

(a) If a KS-19425, List 10 or List 20 foundation template is used, remove insert plugs from template and secure leveling insert assemblies (Fig. 17) of booth to template using four 3/8-16 by 1-1/4 inch steel zinc plate hex head bolts, four 3/8-inch lockwashers, and four 3/8-inch flatwashers.

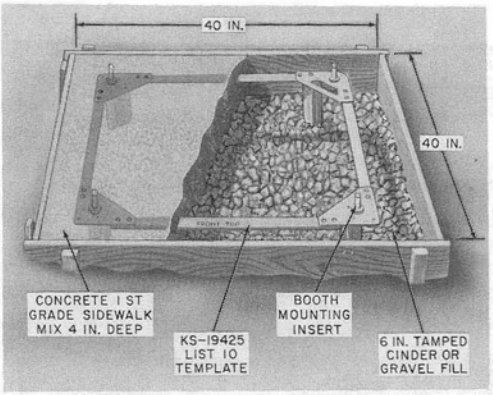


Fig. 17—Concrete Base Preparation with KS-19425, List 10 or List 20 Template

(b) If a KS-19425, List 10 or List 20 foundation template is not used, and the booth is to be mounted on concrete.

(1) Mark the locations for four mounting holes.

(2) Drill four 5/8-inch diameter holes to accept machine bolt anchors for 3/8-inch bolts.

(3) Install the fasteners.

(4) Secure leveling angle assemblies of booth to bolt anchors using four 3/8-16 (length required) steel zinc plate hex head bolts, four 3/8-inch lockwashers, and four 3/8-inch flatwashers.

(c) If booth is to be mounted on a wooden floor.

(1) Mark the location for four mounting holes.

(2) Drill four lead holes to accommodate 5/16 by 2-1/2 inch lag screws.

(3) Secure booth to floor using four 5/16 by 2-1/2 inch lag screws, four 5/16-inch lockwashers, and four 5/16-inch flatwashers.

(d) Adjust the leveling insert assemblies or angles (Fig. 13 or 14) if necessary, and ensure that the booth is level.

Note: Insert assemblies (Fig. 14) are adjusted by moving the B-650819 pin holder assembly up or down.

DOOR REQUIREMENTS

3.05 After anchoring and leveling booth, check door operation per Part 4.

TELEPHONE WIRING

Aerial wire span fastened to booth should not exceed 25 feet.

First Attachment

3.06 At outdoor locations, attach drop wire hook (Fig. 18) or corner bracket (Fig. 19) (whichever is required) to right rear column adjacent to the entrance hole as follows.

A. Drop Wire Hook

(1) Secure drop wire hook (Fig. 18) to clinch nut (provided with booth) using one 1/4-20 by 3/4 FHM screw, one 1/4-inch flatwasher, and one 1/4-inch lockwasher.

B. Corner Bracket

(1) Secure the corner bracket (Fig. 19) to the threaded clinch nut using one 1/4-20 by 3/4 Phillips RHM screw.

(2) Using the bracket as a template, drill a clearance hole for another 1/4-inch screw.

(3) Further secure the bracket to the booth using one 1/4-20 by 3/4 Phillips RHM screw, one 1/4-inch flatwasher, one 1/4-inch lockwasher, and one 1/4-inch hex nut.

Drop Wire Connection

3.07 Telephone wire entrance holes are located in the following locations:

- KS-19425, List 21 Sign Blank Assembly (Fig. 18 and 19)
- Through a metallic conduit to holes provided in the right-rear corner of the booth floor.

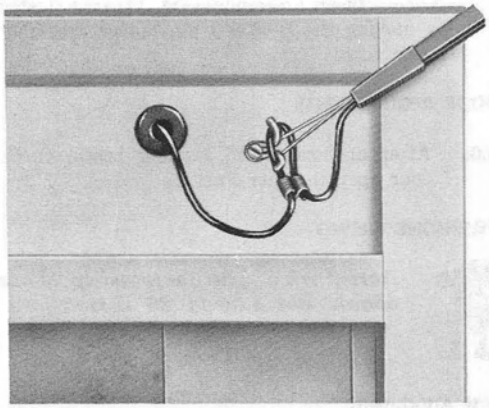


Fig. 18—Drop Wire Hook for First Attachment

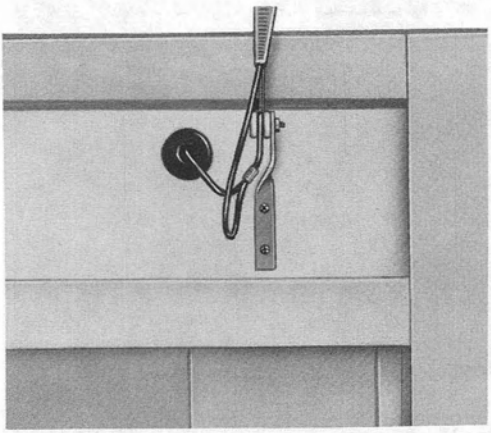


Fig. 19—Corner Bracket for First Attachment

3.08 Feed drop wire through entrance hole and terminate on 123A1A station protector (furnished) or 42A connecting block (whichever is required).

The protector or connecting block is located in the top of the ceiling; however, it may be moved to the wire way below shelf in the right-rear corner if ground level or underground entrance is used.

Coin Station Connections

3.09 Station connection wires are furnished.

ELECTRICAL WIRING AND GROUNDING

Wiring

3.10 Power wire entrance holes are located in the following locations:

- KS-19425, List 21 Sign Blank Assembly
- Through metallic conduit to holes provided in the right-rear corner of the booth floor.

3.11 Refer to 2.15 (a) and (c) for overhead entrance power cables. Refer to 2.14 and 2.15(b) for additional apparatus that can be used when ground level or underground power is desired.

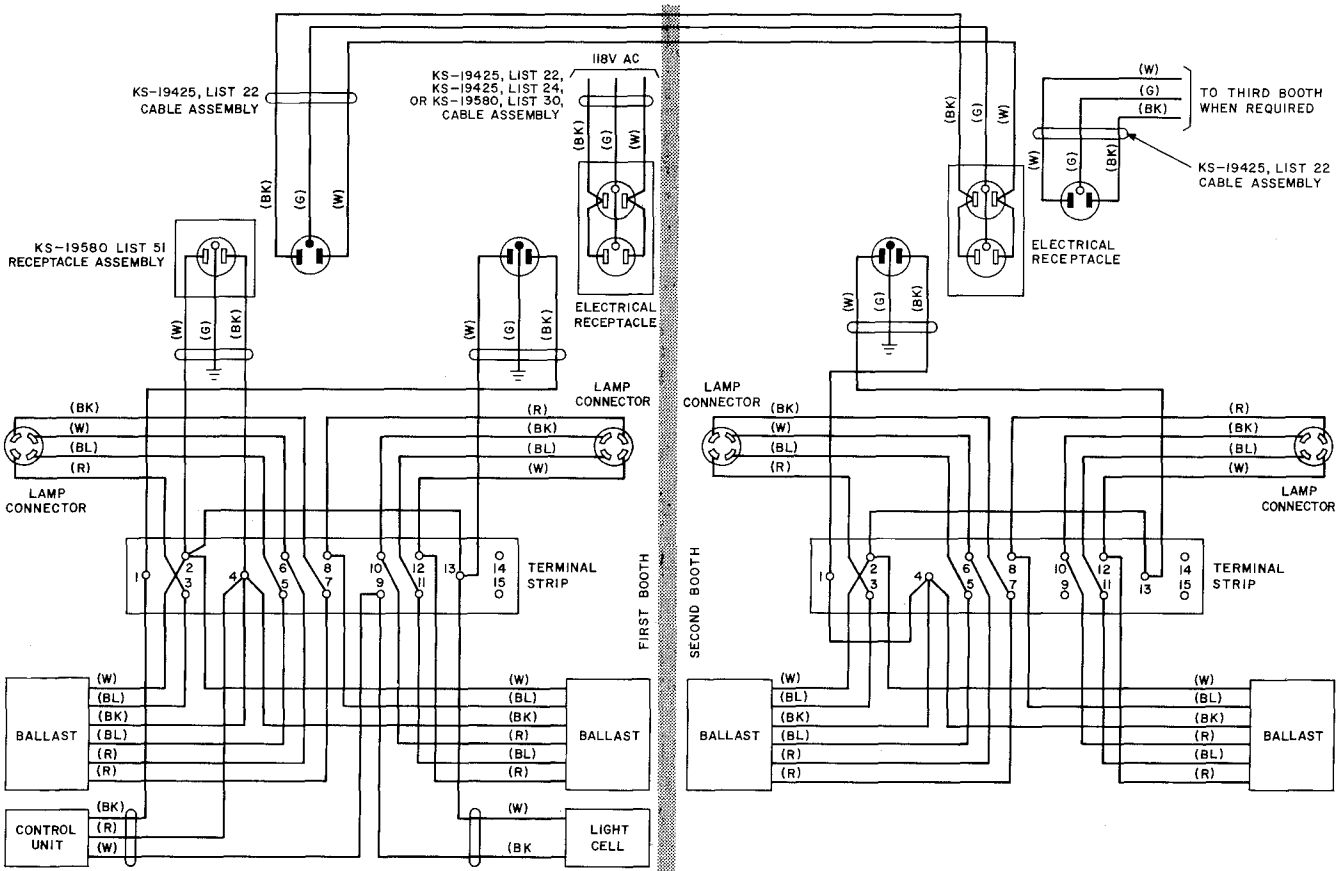
3.12 Refer to 3.25 and 3.26 for the lower backboard and circuit breaker box.

3.13 Have local electrician connect wiring if circuit breaker is used or if 14 gauge wire is used instead of power cables.

3.14 A duplex receptacle for electrical wiring is located in the ceiling area.

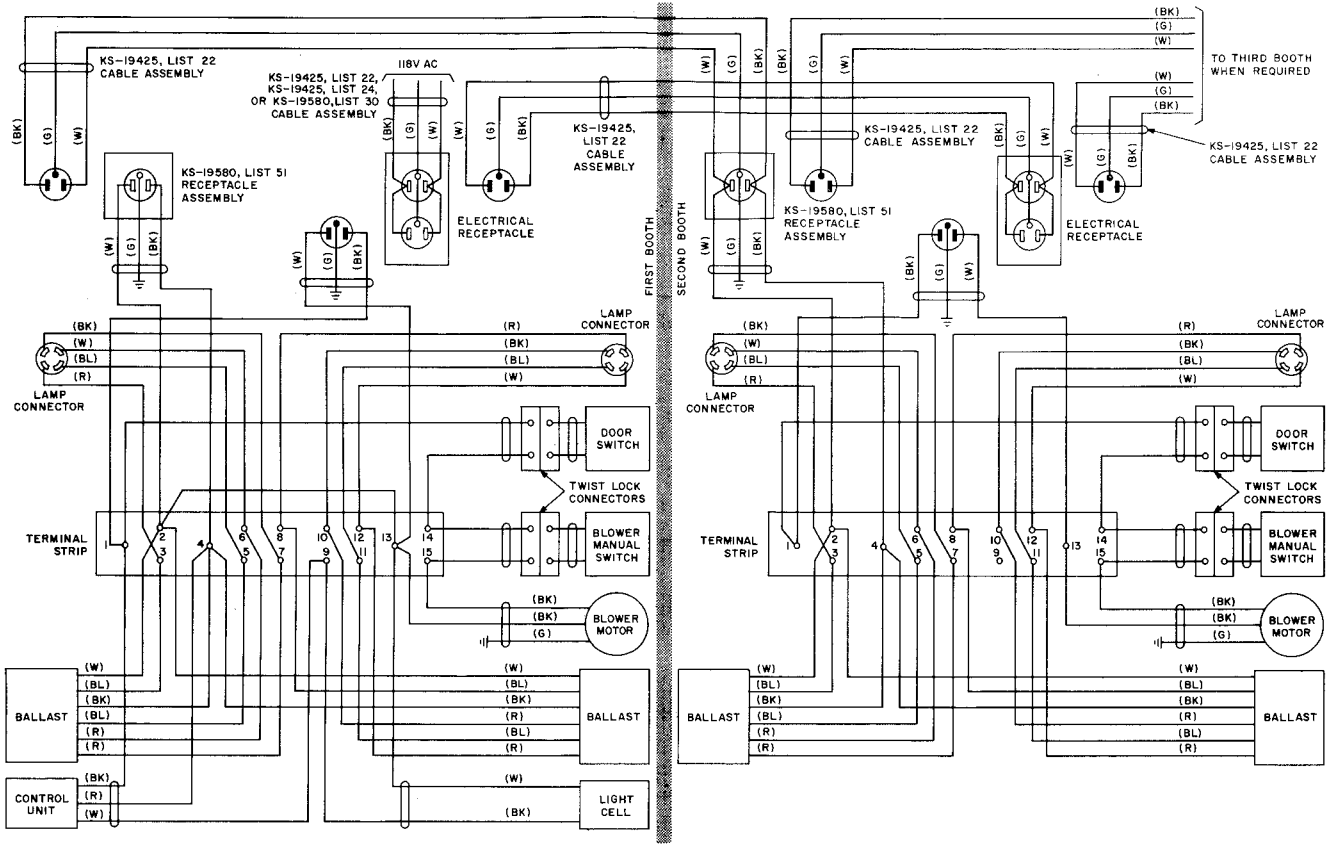
3.15 Interconnect power between adjacent booths in mulitple installations with KS-19425, List 22 cable assembly or approved No. 14 gauge wire.

3.16 Refer to Fig. 20 and 21 for wiring arrangements of multiple installations.



NOTE:
FOR MULTIPLE INSTALLATIONS USING KS-19207, LIST 7 UNITS, AND USING A KS-19261 LIGHT CONTROL UNIT (MAXIMUM OF FIVE BOOTHS FOR EACH CONTROL UNIT), REMOVE THE STRAP WIRE FROM TERMINAL STRIP TERMINALS 1 AND 4 IN FIRST BOOTH. INSTALL A KS-19580, LIST 51 RECEPTACLE ASSEMBLY IN THE FIRST BOOTH. CONNECT ELECTRICAL RECEPTACLE OF SECOND BOOTH TO LIST 51 RECEPTACLE OF FIRST BOOTH USING KS-19425, LIST 22 CABLE ASSEMBLY. CONNECT ELECTRICAL RECEPTACLE OF THIRD, FOURTH, AND FIFTH BOOTHS TO ELECTRICAL RECEPTACLE OF PREVIOUS BOOTH USING KS-19425, LIST 22 CABLE ASSEMBLY.

Fig. 20—Wiring Diagram of Multiple Installation Using KS-19207, List 7 Light Unit



NOTE:

FOR MULTIPLE INSTALLATIONS USING KS-19207, LIST 3 LIGHT AND BLOWER UNITS, AND USING A KS-19261 LIGHT CONTROL UNIT (MAXIMUM OF FIVE BOOTHS FOR EACH CONTROL UNIT), REMOVE THE STRAP WIRE FROM TERMINAL STRIP TERMINALS 1 AND 4 IN ALL BOOTHS. REMOVE THE STRAP WIRE FROM TERMINALS 2 AND 13 IN ALL BOOTHS EXCEPT FIRST BOOTH. INSTALL A KS-19580, LIST 51 RECEPTACLE ASSEMBLY IN EACH BOOTH. CONNECT LIST 51 RECEPTACLE OF SECOND, THIRD, FOURTH AND FIFTH BOOTHS TO LIST 51 RECEPTACLE OF PREVIOUS BOOTH USING KS-19425, LIST 22 CABLE ASSEMBLY. CONNECT ELECTRICAL RECEPTACLES IN SAME MANNER.

Fig. 21—Wiring Diagram of Multiple Installation Using KS-19207, List 3 Light and Blower Unit

Grounding

3.17 Ensure that the ground terminal of the station protector is connected to the booth ground lug with bonding wire provided. If a bonding wire is not present, use an approved No. 14 gauge wire.

3.18 In multiple installations, bond the booths together for grounding purposes.

3.19 Refer to Section 508-100-100 for complete information on grounding.

DIRECTORY HANGER, RACK, AND SHELF ARRANGEMENTS

3.20 There are two shelf assemblies, a directory rack, a directory hanger and a directory shelf available for the booth. Install, when required, as follows (see Fig. 10 through 12).

Use KS-19094 antiseize compound on all screws threaded into aluminum.

(a) ***KS-19425, List 27 Shelf Assembly and KS-20030, List 3 Directory Hanger (Fig. 10).***

Note: The List 27 shelf assembly spans the rear wall and can be used separately, or with a KS-20030, List 3 directory hanger.

(1) Secure the shelf assembly to the backboard using two 10-32 by 1/2 RHM screws.

(2) Secure the shelf assembly to the cross rails using five 10-32 by 1/2 RHM screws.

(3) Refer to Section 508-710-102 for additional information on the KS-20030, List 3 directory hanger.

(b) ***KS-19425, List 16 Directory Rack and KS-19425, List 26 Shelf Assembly (Fig. 11).***

Note: The List 16 directory rack accommodates one 3-inch binder in the left-rear corner of the booth. The List 26 shelf assembly fastens to the directory rack and extends across the back of the booth and under the coin telephone.

(1) Secure the directory rack to the cross rails in the left-rear corner using two 10-32 by 1/2 Phillips FHM screws and two No. 10 CSK lockwashers.

(2) Secure the shelf assembly to the bottom of the backboard and to the cross rails using five 10-32 by 1/2 RHM screws.

(3) Secure the shelf assembly to the directory rack using the screw furnished with the directory rack.

(c) ***KS-19425, List 13 Directory Shelf (Fig. 12).***

Note: The List 13 directory shelf is available for indoor use to be externally mounted on the booth.

A KS-19425, List 14 mounting plate must be used in conjunction with the directory shelf.

(1) Install KS-19425, List 14 mounting plate in the same manner as a standard glass panel in the bottom position on the right side of the booth. Install the plate with shelf mounting holes toward top.

(2) Secure the directory shelf to the mounting plate using seven 10-24 by 9/16 carriage bolts and seven No. 10-24 stop nuts.

Install the bolts with the heads on inside of booth.

SEAT ASSEMBLY

3.21 A KS-19425, List 12 mounting plate (Fig. 12) must be used for mounting the seat.

3.22 Install KS-19425, List 12 mounting plate as follows.

(1) Install the mounting plate in the same manner as a standard glass panel in the bottom position on the left side of the booth.

(2) Install a B-650894 clip (furnished with seat assembly) on each corner of the List 12 mounting plate using four 8-32 by 3/8 SEMS RHM screws.

Install the clips on the inside of the booth. Their purpose is to prevent the removal of retaining strips.

3.23 Install the seat assembly on the upper portion of the mounting plate using the following items (furnished with seat assembly). Install items in the sequence listed.

- Four 1/4-20 by 1-1/8 carriage bolts (install with heads on outside of booth)
- Four B-650893 spacers
- Seat assembly
- Two 1/4-inch flatwashers (front and rear bolts)
- Four 1/4-inch lockwashers
- Four 1/4-20 cap nuts.

3.24 Tighten all nuts securely.

LOWER BACKBOARD PLATE AND COVER ASSEMBLY

3.25 To install KS-19425, List 25 lower backboard plate and cover assembly (Fig. 3).

(1) Remove four plastic plugs located in lower part of right-rear column.

(2) Insert four J-bolts (furnished with assembly) in the holes with the J-part of the bolt in an upward position.

(3) Remove upper and lower plate assembly from backboard.

(4) Place backboard in position on column.

(5) Secure backboard using flat washers, lock washers, and nuts furnished with the assembly.

(6) Replace the upper and lower plate assembly on backboard.

CIRCUIT BREAKER BOX

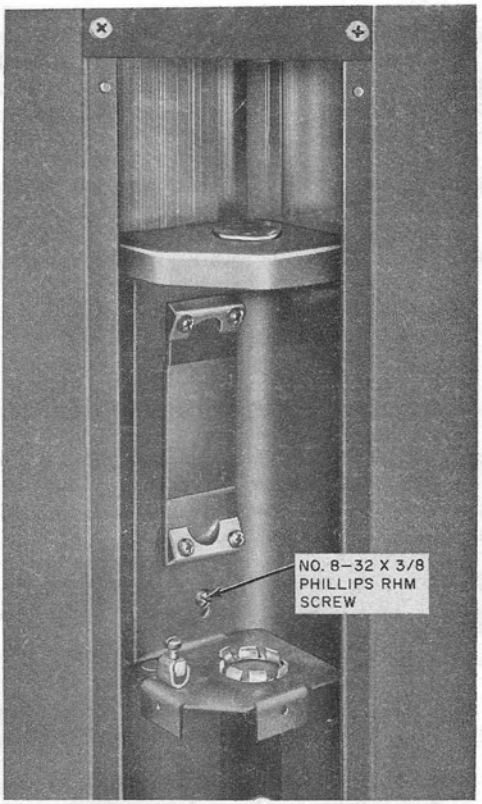


Fig. 22—Installation of Circuit Breaker Box in Lower Backboard

3.26 Install the KS-19426, List 17 circuit breaker box (if applicable) per Fig. 22. Have local electrican install circuit breakers.

MULTIPLE INSTALLATION (NO SEPARATION)

3.27 Install first booth as outlined in 3.03 and 3.04.

3.28 Install adhesive backing weather strip on second booth per Fig. 15.

Note: The length of the strip is same as a KS-19580 booth, consequently it will have to be cut to fit the KS-19425 booth.

3.29 Install second booth against first booth and join the two booths together using the remaining items in the KS-19580, List 20 multiple kit (Fig. 15). The frames are installed in the same manner as the side panels.

3.30 Refer to 2.12 and 2.13 for requirements on use of the KS-19580, List 51 receptacle assembly.

3.31 Install the B-650837 bracket on the B-650839 channel using two 8-32 by 3/8 Phillips RH self-tapping screws (Fig. 8).

3.32 Install the receptacle assembly on the bracket (Fig. 8) using the four remaining 8-32 by 3/8 Phillips RH self-tapping screws.

4. MAINTENANCE

4.01 The local telephone company shall establish the appearance standards of all exposed surfaces.

4.02 The local telephone company shall establish the safety standards for all booths.

4.03 All screws threaded into aluminum parts during the course of repair shall be coated with KS-19094 antiseize compound.

BOOTH CHECK POINTS

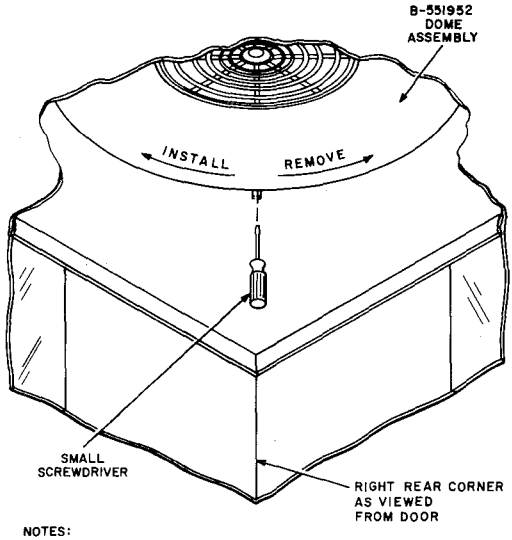
- Safe approach to booth (have dangerous conditions corrected)
- Appearance of booth
- Electrical grounding
- Door operation
- Panels and signs
- Booth lighting
- Directories and binders
- Dome and lights
- Security of booth anchorage
- Loose screws and bolts
- Seat assembly (if applicable)
- Shelf assemblies
- Power cords
- Bumper guards (outdoor booths).

DOME ASSEMBLY

THINK ***Use eye protection when removing the dome assembly.***

4.04 The B-551952 dome assembly must be removed to make the light assembly accessible. Do this in accordance with Fig. 23.

4.05 Replace dome assemblies which do not meet local telephone company standards.



NOTES:
1. FOR REMOVAL, INSERT SMALL SCREWDRIVER THROUGH SLOT IN CEILING, DEPRESS DETENT SPRING, AND TURN DOME ASSEMBLY COUNTERCLOCKWISE.
2. FOR INSTALLATION, PLACE DOME ASSEMBLY IN CEILING AND TURN IT CLOCKWISE UNTIL DETENT SPRING ENGAGES AND LOCKS DOME.

Fig. 23—Method of Removing Dome Assembly

LIGHT AND BLOWER UNIT

Use eye protection when handling fluorescent lamps. Before making any repairs or replacements in electrical equipment, disconnect plug or turn the service switch OFF and verify that circuit is dead by checking with an approved voltmeter.

4.06 Ensure that the door operated switch assembly (B-650927) actuates properly when the door is closed. Also ensure that the manually operated blower switch assembly (B-684779-2), if present, located in the right rear corner of the booth, turns the blower on and off.

4.07 Ensure that all electrical leads are securely clamped away from the air inlet hole and from the rotating impeller if a blower is present.

4.08 When the ballast shows signs of leaking compound, replace the complete KS-19207 unit. Refer to Section 508-820-100.

PANEL REPLACEMENT

Side and Rear Panels

Warning: Wear gloves and eye protection when handling glass panels to prevent personal injury. Use care when handling tempered glass. Nicks or scratches will damage the glass and may cause it to shatter. Do not allow metal tools to come in contact with edge of tempered glass. Before installation, examine glass for nicks or chips along edges. If such defects are apparent, do not use this glass.

4.09 Replace those panels which are broken or which will not meet local telephone company standards. Refer to Table A for available panels.

4.10 Booth panels and signs are held in place by four interlocking retaining strips. They are inserted in sequence as shown in Fig. 24. The No. 4 strip is rippled and is held in place by interface friction.

4.11 Replace panels as follows.

(1) Remove No. 4 locking strip.

(2) Remove retaining strips No. 2 and No. 3.

(3) Remove retaining strip No. 1.

(4) Remove panel and rubber glazing strip.

(5) Apply rubber glazing strip to replacement panel.

(6) Insert panel into frame with the beaded edge of retaining strip on the outside.

(7) Replace retaining strips in sequence as shown in Fig. 24.

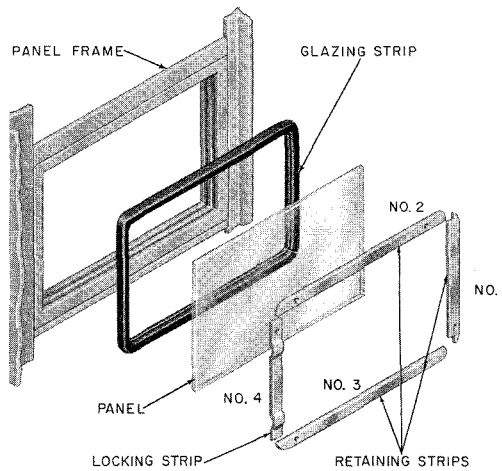


Fig. 24—Assembly of Side or Rear Panels

Bottom Panels

4.12 Replace those panels which are broken or which will not meet local telephone company standards. Refer to Table C for available panels.

4.13 To remove bottom panels.

(1) Remove bolts that secure panels to mounting angles (Fig. 13).

(2) Remove Phillips RH screws that secure panels to corner columns.

♦TABLE C♦

BOTTOM PANELS*

KS NO.	SIZE	POSITION	REMARKS
KS-21716, L2	Short	Right Side	Less tie down angle
KS-21716, L3	Solid		
KS-19425, L30	Short	Rear	Used when KS-19425, L25 lower backboard is provided — Includes tie down angle
KS-19425, L32	Solid		Used when KS-19425, L25 lower backboard is provided — Includes tie down angle
KS-19425, L34	Short		Used when KS-19425, L25 lower backboard is not provided — Includes tie down angle
KS-19425, L36	Solid		Used when KS-19425, L25 lower backboard is not provided — Includes tie down angle
KS-19580, L50	Short	Left Side	Less tie down angle
KS-19580, L49	Solid		
KS-19425, L31	Short	Rear	Same as L30 less tie down angle
KS-19425, L33	Solid		Same as L32 less tie down angle
KS-19425, L35	Short		Same as L34 less tie down angle
KS-19425, L37	Solid		Same as L36 less tie down angle
KS-19580, L49	Solid	Left Side	Same as L41 less tie down angle
KS-19580, L50	Short		Same as L39 less tie down angle

* Panels are available in various finishes as follows:
- List 60 — Bright
- List 61 — Gold
- List 62 — Bronze

(3) Install using reverse procedures.

PHONE SIGNS

4.14 The front sign may be removed as follows.

(a) Remove four self-tapping screws from top edge of frame and the metal retainer which secures the sign.

(b) Slide the sign up and out of the enclosure assembly.

(c) Use reverse procedure for installing.

Roof must be removed before side and rear sign panels can be removed.

4.15 The side and rear signs are removed in the same manner as the side panels (Fig. 24).

4.16 Replace signs which are broken or which will not meet local telephone company standards. Refer to Table B for available signs.

SEAT AND SHELF ASSEMBLIES

4.17 Refer to Part 3 for installation procedures.

DIRECTORIES AND BINDERS

4.18 Directory binder rods or hinge fasteners shall not be broken or distorted to the extent that directories are not capable of being held securely in the binder. Hinges shall not be so bent, burred, or distorted as to obstruct the free passage of hinge fasteners or prevent smooth operation of covers.

4.19 Binder locking devices shall operate freely and lock securely. Adjustable backplates shall be in good condition.

4.20 Ensure that a rubber bumper is in place on the directory rack/hanger to cushion the binder as it drops into the rack.

- B-685401 bumper is used on KS-19425, List 16 directory rack
- B-697467 bumper is used on KS-20030, List 3 directory hanger

4.21 Install a new bumper, if required, as follows.

(a) Soften old adhesive with trichloroethane and remove.

(b) Install new bumper using 3M Company EC-1711 adhesive or equivalent.

PROTECTOR GROUND

4.22 The protector is located in the rear of the ceiling area (Fig. 8) or if a lower backboard (Fig. 3) is used it may be located there.

4.23 When located in the ceiling area, the protector can be reached by removing the dome assembly (Fig. 23).

4.24 The booth is equipped with a bonding wire at the protector. Ensure that this wire is secured to the booth and protector.

4.25 If the bonding wire becomes broken, replace with copper or aluminum wire no smaller than No. 14 gauge.

Converting Protector Mounting Bracket For Better Accessibility

4.26 Following items are required (Fig. 9) and must be ordered separately:

- B-992745 plate
- Two 8-32 by 3/8 Phillips RH self-tapping screw.

4.27 Disconnect telephone wires and ground from protector.

4.28 Remove two 8-32 by 1/2 Phillips RH self-tapping screws and remove protector from existing mounting bracket.

4.29 Install protector on B-992745 plate using the two screws removed in 4.28.

4.30 Insert two 8-32 by 3/8 Phillips RH self-tapping screws in the B-992745 plate to align with the keyhole slots in the B-650838 bracket.

4.31 Install plate (with protector) on the angle bracket utilizing the keyhole slots. Tighten the two screws.

4.32 Reconnect telephone wires and ground.

FLOOR

4.33 If a booth is equipped with an abrasive-clad floor, the finish can be restored with the use of Goodyear Griptred flooring and protective coating dark gray 592-7005 or an approved equivalent. This can be applied with an ordinary paint brush.

ROOF

4.34 If it becomes necessary to remove the roof, remove twelve 8-32 by 5/8 Phillips RH screws and lift off.

4.35 There are four adhesive backed vinyl strips which are located along the booth edge under the roof. Check strips for damage each time roof is removed.

4.36 Replace strips as necessary.

DOOR REQUIREMENTS AND MAINTENANCE (See Fig. 25 for Replacement Parts)

4.37 The door shall operate freely and smoothly without squeaking or chattering. The nylon rollers and door track shall be clean of foreign materials and the track shall not be gouged, burred, or scored causing rough operation of the door.

4.38 With the booth level, when the door is fully closed manually it shall remain closed until opened manually, and when in the fully closed position the top of the door shall be in alignment with the door frame.

4.39 In outdoor locations, the door shall be held open 2 to 3 inches when in the normal position. Ensure that maximum tension is obtained on spring in center of door (Fig. 25).

4.40 The door actuated switch shall operate as follows when the manual blower switch is on.

(a) With the door fully closed, the blower motor shall run.

(b) With the door in the open position specified in 4.39 the blower motor shall be off.

The door switch shall have no effect on the operation of the booth lamps if the lamps are wired for continuous illumination or automatic light control.

4.41 The open clearance shall be a minimum of 21 inches.

4.42 Rubber bumpers at the bottom of the doors shall not be frayed or torn to expose underlying metal. Screws and retainer strips shall hold bumpers securely.

4.43 Ensure that angle bracket associated with felt bumper in the door track is tight.

4.44 If door hinges squeak, lubricate them at each joint between the barrels with KS-14774, List 2G lubricating grease or equivalent; KS-14796 oiler may be used.

4.45 Replace glass panels in same manner as side panels (Fig. 24).

4.46 Replace damaged bumpers along bottom of door (Fig. 25).

4.47 To change door closing spring tensions, adjust B-684748 stop assembly as follows.

(a) Loosen the two stop assembly mounting screws.

(b) Move the assembly left or right to obtain the spring tension required.

(c) Tighten screws and recheck tension.

4.48 When door rollers do not have proper vertical engagement in the track, adjust door guide assembly as follows.

(a) Remove two screws and B-651720 cover (Fig. 26 and 27).

(b) Loosen three door guide assembly mounting screws.

(c) Move the door guide assembly up or down to obtain proper roller position.

Note: In most cases, the maximum upward position will be required.

(d) Tighten screws and recheck rollers.

(e) Install B-651720 cover.

Door Guide Assembly

4.49 The KS-19425 booth will have either a B-651721-1 short-roller door guide assembly (Fig. 26) or a B-993172-1 long-roller door guide assembly (Fig. 27).

4.50 The B-993172-2 door guide assembly requires a different ceiling, baffle, and a deeper track to accommodate the longer roller. If a problem exists with door guide rollers jumping out of the track, and this cannot be corrected by adjustment as directed in paragraphs 3.04(d) and 4.48, booths can be modified to accept the long-roller door guide. Parts and instructions are included in SI-376 Track and Door Guide Modification Kit.

This modification is extensive and should be investigated before field application.

REPLACEMENT PARTS

4.51 The parts listed in Table D are not shown on Fig. 25, 26, and 27 but may be ordered as necessary.

4.52 Panels and signs are listed in Tables A, B, and C respectively.

CLEANING

4.53 Refer to Section 508-100-101 for complete cleaning procedures.

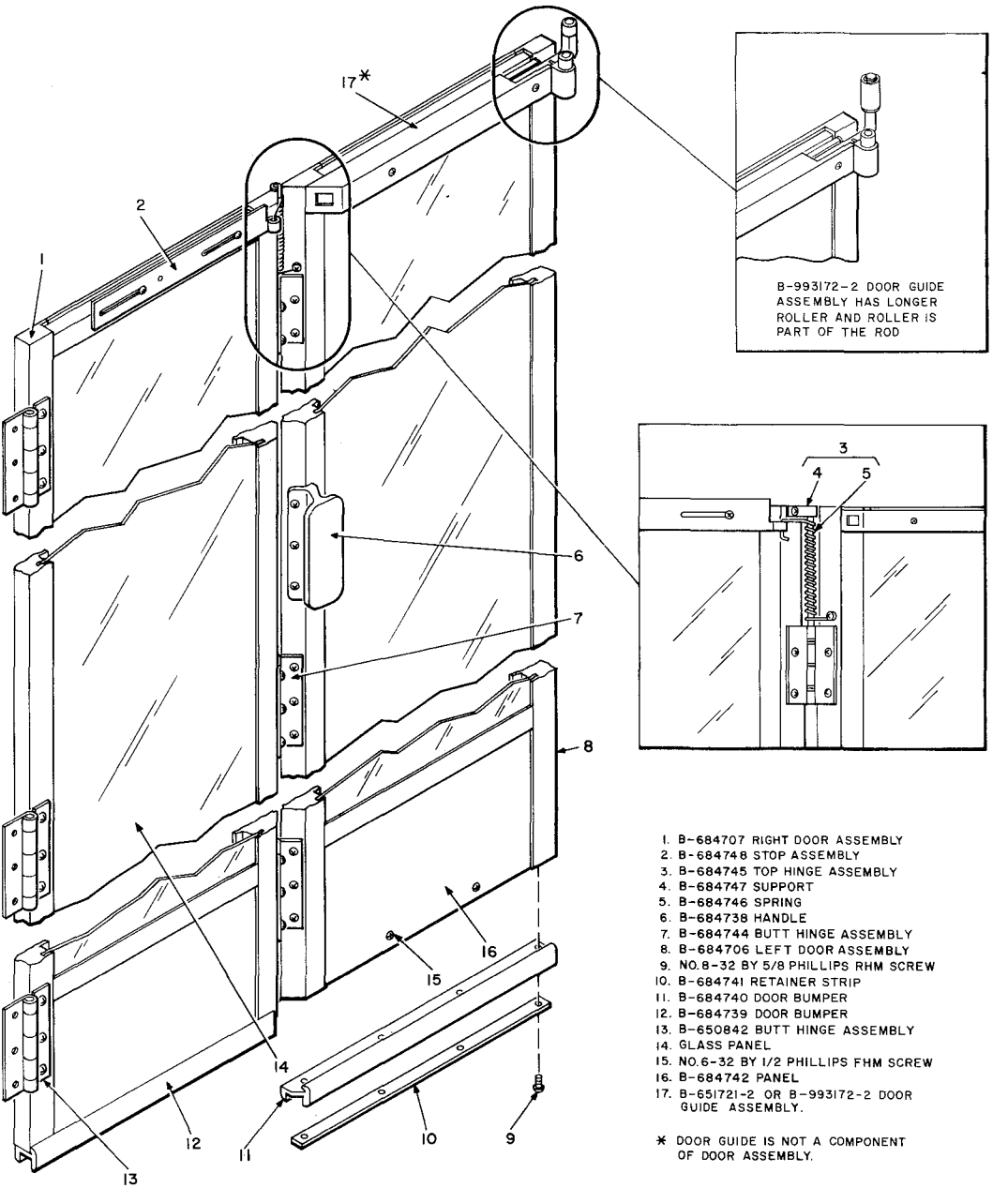


Fig. 25—B-684705 Door Assembly

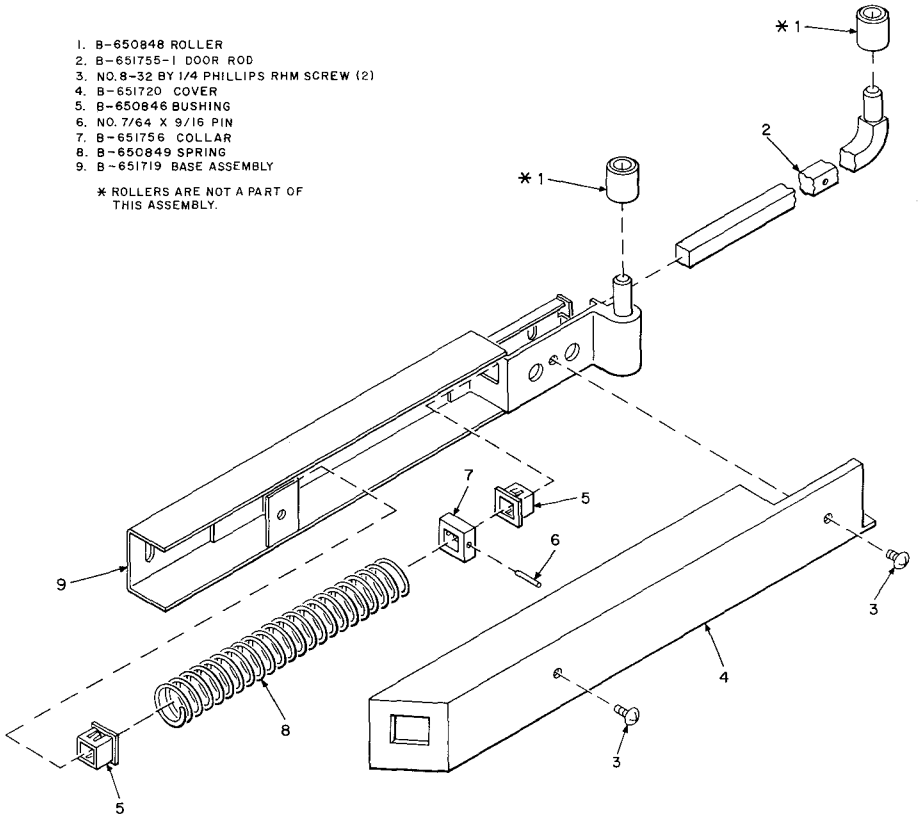


Fig. 26—B-651721-1 Door Guide Assembly

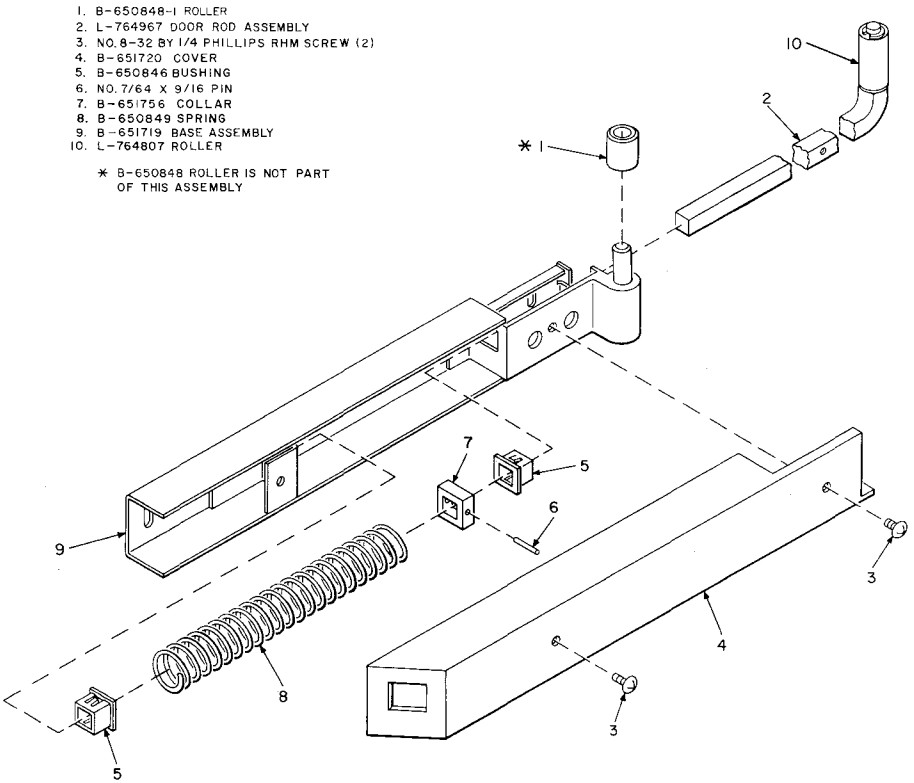


Fig. 27—B-993172-1 Door Guide Assembly

◆TABLE D◆

REPLACEMENT PARTS

NAME	PART NO. LIST NO., OR DESCRIPTION	REMARKS
Actuator Assembly	B-650929	Actuates B-650927 switch assembly
Angle	B-650824	Support for B-650825 bumper
	L-764805	Support for L-764806 bumper
Backboard Assembly	B-650829	For coin telephone
Bracket	B-994165	Holds dome in ceiling assembly
Bumper, Felt	B-650825	Located in right end of a shallow door track as viewed from outside front of booth
	L-764806	Located in right end of a deep door track as viewed from outside front of booth
Bumper, Aluminum	B-650826	Located in left end of a shallow door track as viewed from outside front of booth
Bumper, Rubber	B-684714	Used on left door frame
Dome Assembly	B-551952	Circular lens and ventilator under light fixture
Enclosure Assembly	B-685376	Encloses front sign
Floor	B-650815-1	Tread plate
Header Assembly	B-650822	
Lamp	40 Watt-Circline, cool white	Used in KS-19207 light unit
Plug	Shake Proof Corp. No. 207-440401-00-0667	Plug button for plugging light control entrance hole
Retainer	B-562371	Use with B-562370 locking spring
Roof	B-650855	
Spring	B-562370	Locks dome in place
Angle Assy	B-994924	Tie down and leveling equipment for List 4 booth
Angle Assy	B-684710	
Angle Assy	B-684711	
Nut	B-684712	
Bolt	B-684713-1	
Bolt	B-684713-2	
Strip, glazing	B-685410-1	Side or rear sign
	B-685410-2	Side and rear glass panels (large)
	B-685410-3	Side and rear glass panels (small)
	B-685410-4	Door panels
	B-685411-1	Multiple installation panel assembly and power entrance panel
	B-685411-2	Aluminum or porcelain type panels (large)
	B-685411-3	Aluminum or porcelain type panels (small)
	B-685410-5	Front sign

TABLE D (Cont)

REPLACEMENT PARTS

NAME	PART NO. LIST NO., OR DESCRIPTION	REMARKS
Strip, retaining	B-685372-1	Top of door panels
	B-685372-2	Either side of door panels
	B-685372-3	Bottom of door panels
	B-685372-4	Either side of large side panels
	B-685372-5	Locking strip for large side panels
	B-685372-6	Either side of small side panels
	B-685372-7	Top of small side panels, large side panels, or side and rear phone signs
	B-685372-8	Locking strip for small side panels
	B-685372-9	Bottom of small side panels, large side panels, or side and rear phone signs
	B-685372-10	Either side of phone signs (front and rear)
	B-685372-11	Locking strip for phone signs
Strip, weather	3M Co. single coated tape No. 4508 Pressure Sensitive, 1/8-in. thk, black vinyl foam	Adhesive backed roof gaskets*
Switch Assembly	B-650927	Energizes light when door is closed
	B-684779-2	Turns blower motor on and off

* Roof gaskets should be checked for damage each time roof is removed.