

INDOOR BOOTH KS-19340 WOOD

1. GENERAL

1.01 Information in this section was formerly contained in Section 508-111-100 which is hereby canceled.

1.02 The KS-19340 wood booth (Fig. 1) is designed for sit-down or stand-up service, and for single or multiple installation.

2. IDENTIFICATION

2.01 The overall dimensions of the booth are:

- Height—83-1/8 inches
- Width—30-3/8 inches (with end panels)
- Depth—30-1/2 inches (without back panels)

2.02 The overall width of multiple installations (up to five) is shown in Table A.

2.03 This wooden booth is available in a variety of materials and finishes. List Nos. have been assigned the basic booth and panels as described in Table B.



All list numbers in Table B which are required must be specified on the order.

2.04 The interior of the booth consists of:

- Mottled gray porcelain enameled steel linings
- Wood ceiling
- Charcoal gray fiberglass shelf
- Charcoal gray fiberglass seat (optional)
- Dark gray rubber covered floor
- Translucent white plastic lighted dome

2.05 The door consists of two vertical sections, each containing a full length glass panel. It folds inside the booth along the right wall when opened.

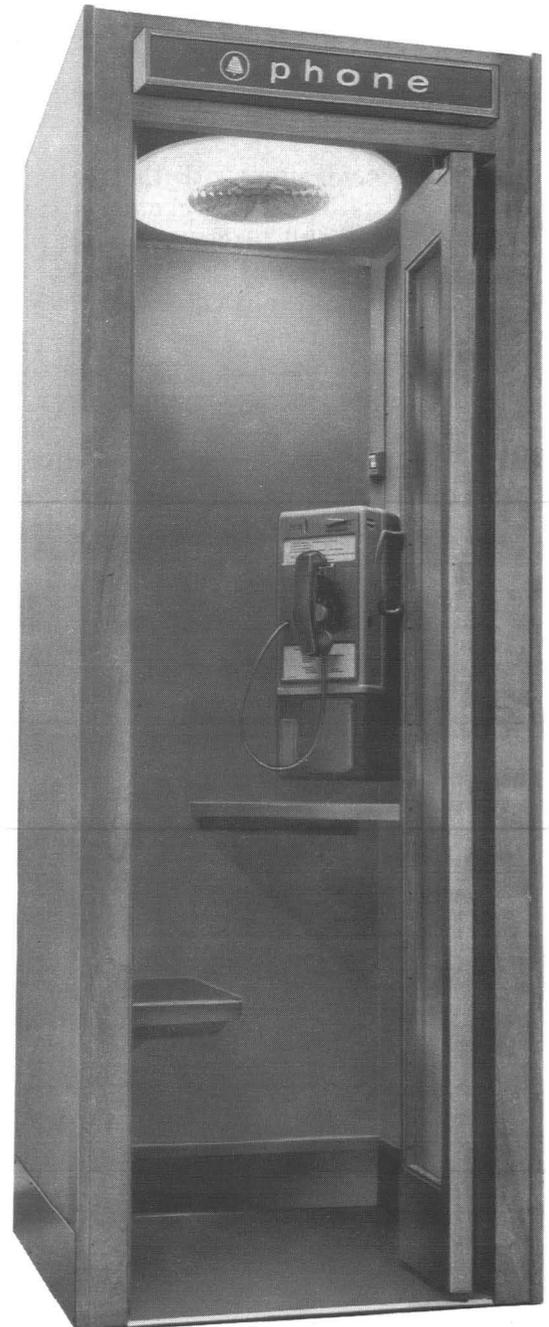


Fig. 1—KS-19340 Wood Booth

**TABLE A
WIDTH OF BOOTHS**

NO. OF BOOTHS	OVERALL WIDTH
2	5 ft
3	7 ft 5-1/8 in.
4	9 ft 11-1/4 in.
5	12 ft 4-7/8 in.

2.06 A translucent sign, with the Bell System Emblem and the word phone, is mounted over the door in a dull black steel frame which projects 1-1/2 inches beyond the front of the booth. Table C lists the signs available.

2.07 An air intake opening is provided through the top side of the front sign assembly.

2.08 The booth is illuminated and ventilated by a KS-19207, List 1 light and blower unit. Refer to Section 508-820-100. This light unit also illuminates the front sign.

2.09 A customer controlled blower switch assembly (S.P. Rockette No. 8911K234, Cutler-Hammer Inc.) is located in the right-rear corner above the

coin collector/telephone set. This switch is operated in conjunction with the door operated switch assembly (B-560059).

2.10 The lamp is wired for continuous illumination unless otherwise specified; however, it may be wired for operation with the door switch assembly.

2.11 Power for light and blower is supplied by means of a KS-19425, List 22 cable assembly. This cable is furnished as part of the booth for plugging into a 118-volt ac power-service outlet. Where local regulations permit, a power-cord plug retainer and cord clamp may be used to prevent accidental removal of cable assembly from power service outlet.

2.12 The booth is designed to mount a variety of coin telephone sets by using the appropriate backboard and mounting kit. See Table D.

2.13 A 3-wire convenience outlet and 42A connecting block are located in the ceiling area.

2.14 A KS-19928, List 1 card frame may be used with this booth. Refer to Section 508-811-100.

**TABLE B
BASIC ITEMS**

KS-19340 LIST NO. OF BOOTH		FINISH	MATERIAL	KS-19340 LIST NO. OF MATCHING PARTS		
SIT-DOWN	STAND-UP			SIDE PANEL	BACK PANEL	SEPARATOR*
1	11	None	Birch	21	31	41
2	12	Birch	Birch	22	32	42
3	13	None	Oak	23	33	43
4	14	Oak	Birch	24	34	44
5	15	Walnut	Birch	25	35	45
6	16	Mahogany	Birch	26	36	46

* The separators are for use when booths are installed in multiples; one separator is required for two booths. A separator may be substituted for a finished end panel when the end of the booth is not exposed.

TABLE C
SIGNS AND SIGN ASSEMBLIES

KS-19340 LIST NO.	DESCRIPTION	CONSIST OF KS-19340, LIST NO.		REMARKS
58	Sign Assembly	63	66	†
59		64		
60		62		
61		65		
62	Sign Panel			White Background, Blue Letters
63				White Blank
64*				Blue Background, White Letters
65				Blue Blank
66	Frame Assembly			Dull Black Finish

* List 64 sign panel will be furnished with each booth unless otherwise specified.

† When the old type front signs (Lists 51 and 52) are replaced on an existing booth, it will be necessary to order a List 58, 59, 60, or 61 sign assembly which includes the List 66 frame, B-650753 clip, and mounting screws. A List 62, 63, 64, or 65 sign shall be ordered where a List 66 frame already exists.

TABLE D
BACKBOARDS AND MOUNTINGS

KS-19340 LIST NO.	DESCRIPTION	REMARKS
53*	Backboard	For all coin telephone sets except panel type
54	Backboard	For panel type coin telephone sets. Must be specified on order if required. 127B type cover must be used over panel phone.
55	Mounting Kit	For mounting a subscriber set (see Fig. 2). Must be specified on order if required.

* List 53 backboard will be furnished with each booth unless otherwise specified.

SECTION 508-201-100

The card frame is not furnished and must be ordered separately.

2.15 A KS-20029 or an 11-type directory shelf may be mounted on outside of booth. Refer to Section 508-710-100.

2.16 When a directory shelf is used on outside of booth, a 2B-type directory light may be used over the shelf as shown in Section 508-710-100.

ORDERING INFORMATION

2.17 Orders for the booth shall specify the quantity, KS numbers, and list numbers, including those items that must be ordered separately. The desired locations of the panels and separators must be specified on the order.

2.18 The following are examples of typical orders.

Example 1

1 Booth, Telephone, KS-19340, List 11, Equipped With:

2 Panels, End, KS-19340, List 21

1 Panel, Back, KS-19340, List 31

1 Kit, Mounting, KS-19340, List 55

Example 2

2 Booths, Telephone, KS-19340, List 2, Equipped With:

2 Panels, End, KS-19340, List 22

2 Panels, Back KS-19340, List 32

1 Separator, KS-19340, List 42

2 Backboards, KS-19340, List 54

2 Covers, 127B-Type

2 Telephone Signs, KS-19340, List 62

2 Card Frames, KS-19928, List 1

3. INSTALLATION

3.01 Booth location should be:

- Readily accessible to customer
- Free of hazards
- Clear of wall switches, outlets, or fuse boxes
- In sufficient space to permit access to top of booth for maintenance purposes.

3.02 Booths are shipped assembled unless order states otherwise. When shipped unassembled, all necessary screws and material are included in the shipment.



Screw holes are aligned to simplify assembly in the field. When assembled, the sides of the booth unit shall make contact with the panels or separators along entire length of the booth unit.

PANELS AND SEPARATORS

3.03 End panels and separators are attached with eight No. 10 by 1-3/4 BH wood screws. The back panel is attached with ten No. 9 by 1-3/4 FH wood screws.

3.04 A booth separator may be substituted for a finished end panel when the end of the booth is not exposed.

LEVELING

3.05 Set booth level on floor so that it does not rock. Where floor is uneven or not level, place wooden shims under the proper side of booth to level it. Shims also should be placed under the middle of floor to prevent sagging. To prevent binding, the top of door must be aligned parallel with booth door frame when door is closed.

3.06 The booth must be level to ensure proper operation of the coin telephone set. Level as follows:

- (1) Place a dime (or mark a 3/4 in. circle) as shown in Fig. 3

- (2) Suspend a plumb line (obtain locally), as shown in Fig. 3 from a tack placed temporarily in center of top edge of booth.
- (3) Shim the booth, as described in 3.05 until the plumb line is centered within area of dime or marked circle.

3.07 Avoid setting booths on floor with considerable slope such as ramps or inclined passageways. When this location cannot be avoided, be sure each booth is placed level with a minimum amount of step-up. In multiple installations of this type:

- Attach separator to highest booth first.
- Line up booths so that the fronts present a straight line before attempting to fasten them together.
- Exposed gap of 1/4-inch or more between the floor and the booth requires sealing with strips of wood. Stain strips to match the finish of the booth.

TELEPHONE WIRING

3.08 Signaling ground requirements are shown in Table E.

**TABLE E
SIGNALING GROUND REQUIREMENTS**

NUMBER OF BOOTHS	OPTIONS		
	CABLE PAIRS	CONDUCTORS OF STATION WIRE	NO. 14 GROUND WIRE
1 to 6	1	1	1
6 to 12	2	2	1
12 or more	1 pr per 6 booths	1 pr per 6 booths	1

3.09 When using triple conductor wire, run wire to the 42A connecting block of each booth. This connecting block is located in the ceiling on the rear of the booth.

3.10 To gain access to the connecting block, remove dome assembly (Fig. 4) or roof assembly which is secured by four 9 by 1 FH wood screws.

3.11 When a subscriber set is required, drill a 5/8-inch hole for access to the wiring channel in accordance with Fig. 5.

THINK Exercise care when drilling to prevent bit from marring end panel.

SUBSCRIBER SET INSTALLATION

3.12 The writing shelf is provided with brackets for accepting the KS-19340, List 55 mounting kit. When required, order kit separately and install in accordance with Fig. 2. All hardware is furnished as part of the kit.

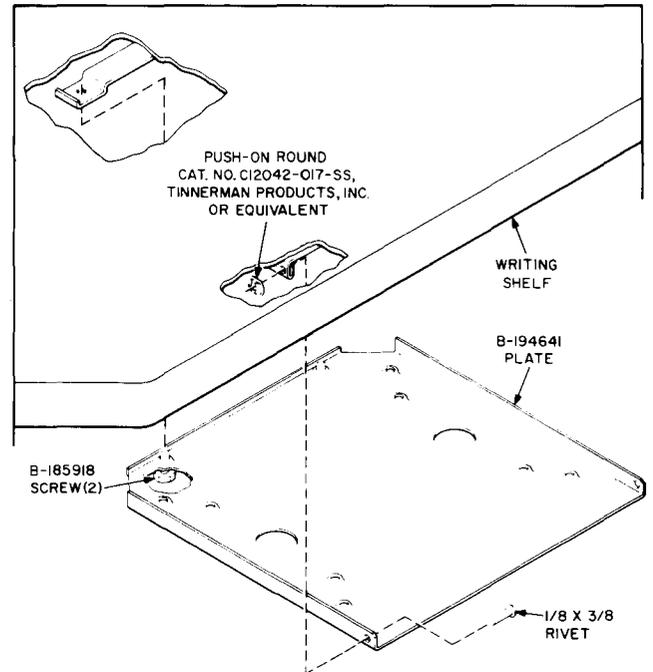


Fig. 2—KS-19340, List 55 Subscriber Set Mounting Kit

BACKBOARDS

Note: Unless otherwise specified, all KS-19340 booths are equipped with List 53 backboards. All backboards must be minimum of 2 inches above the shelf (Fig. 5).

3.13 If a panel type coin telephone set is installed, a KS-19340, List 54 backboard must be used.

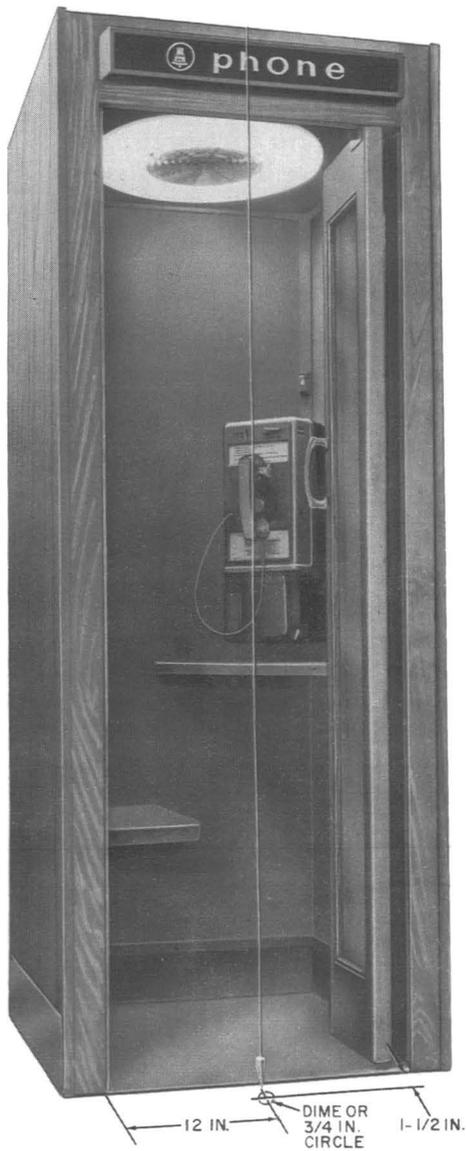


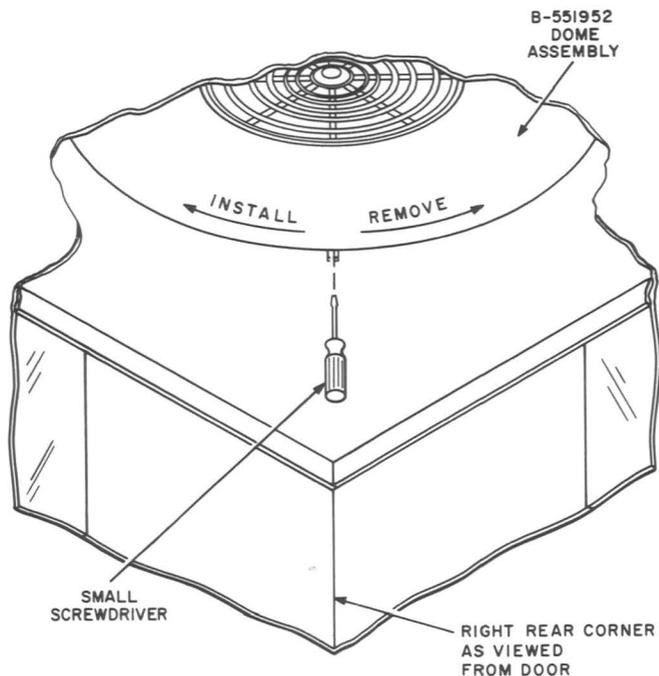
Fig. 3—KS-19340 Booth With Plumb Line

3.14 Refer to Section 506-100-101 for complete information on backboards.

ELECTRICAL WIRING

3.15 A 3-wire, grounded electrical outlet should be provided at booth location. Ensure that the third wire is grounded.

3.16 The booth is equipped with a KS-19425, List 22 cable assembly. This assembly is a rubber-covered 3-wire cord 64 inches long equipped



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.

B-567878

Fig. 4—Method of Removing Dome Assembly

with a 3-wire plug. It terminates in the electrical receptacle located in the ceiling of the booth.



A No. 14 gauge ground wire is connected between the ground terminal of the electrical receptacle and the backboard. The purpose of this ground wire is to prevent exposing customers to electric shock from defective current-carrying coin telephone mounted in the booth. Verify that there is continuity between the ground terminal in the electrical plug and the coin telephone.

3.17 Connect the power cord to the spare receptacle of adjacent booth in multiple installations.

KS-19928, LIST 1 CARD FRAME

3.18 Locate card frame per Fig. 5 and install as directed in Section 508-811-100.

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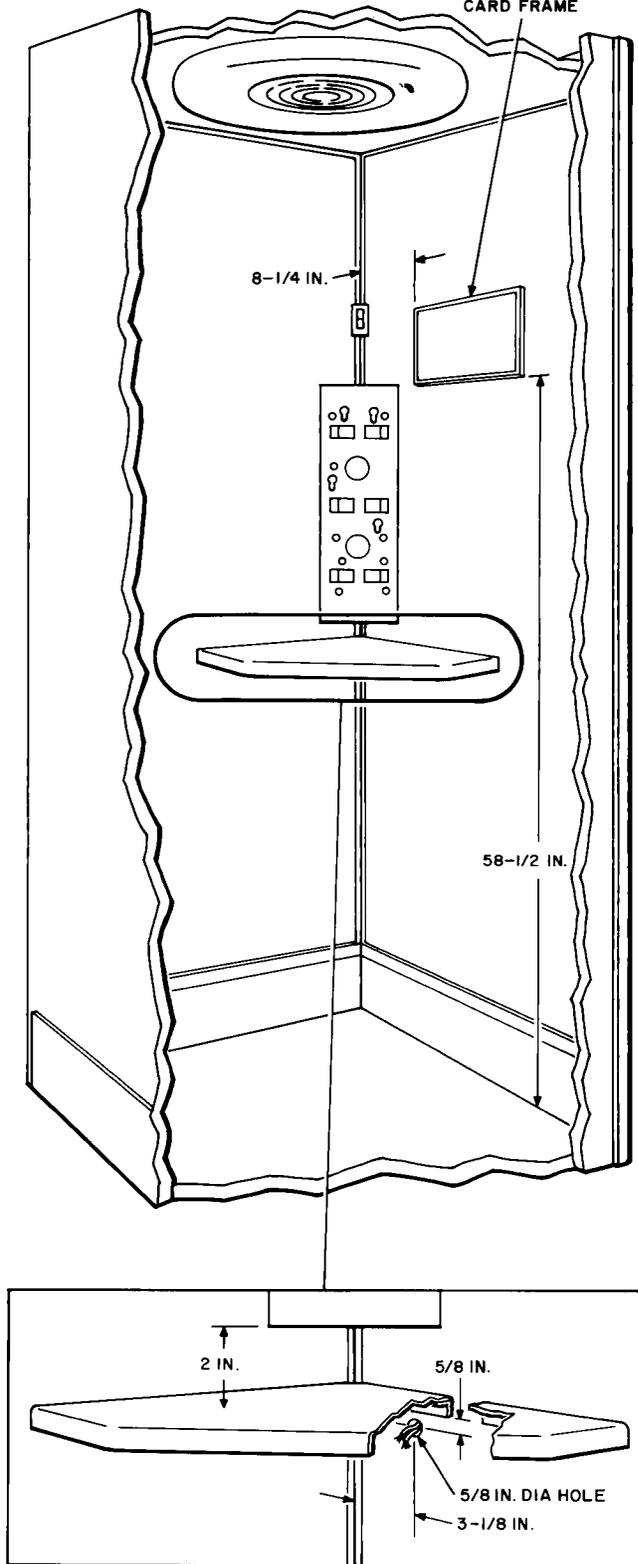
KS-19928, LIST I
CARD FRAME

Fig. 5—Requirements for Subscriber Set Wire Access Hole and Card Frame

INSTALLATION OF 2-TYPE LIGHT FIXTURE

3.19 When called for on an order, the booth will be delivered wired for a directory light, but the light and shelf are added in the field to avoid damage in transportation. Do not install a directory light without installing a directory shelf under it.



Before starting to connect any electrical wiring, be sure the power cable is pulled out of the power receptacle or the power shut off by throwing the toggle switch if the booth is so equipped.

3.20 To install a 2-type light fixture at existing installations:

- (1) For 2B fixture, drill a 1-inch hole to accommodate ovalflex angle connector as shown in Fig. 6.
- (2) For 2D fixture, follow instructions in Fig. 7.
 - (a) Remove end panel for drilling and cutting.
 - (b) Cut a hole large enough to permit passage of the plug and 90-degree connector attached to the cable.
- (3) Make connections to the booth terminal strip above the ceiling.

3.21 The end panel has an inconspicuous center punch mark approximately 1/16 inch in diameter located on the center line of the panel 60-5/16 inches above the bottom edge to indicate the proper spot for drilling the mounting hole for the directory light fixture.

4. MAINTENANCE

- 4.01** The approach to the booth shall be free of all hazards.
- 4.02** The local telephone company shall establish the appearance standards of all exposed surfaces.
- 4.03** The local telephone company shall establish the safety standards for all booths.

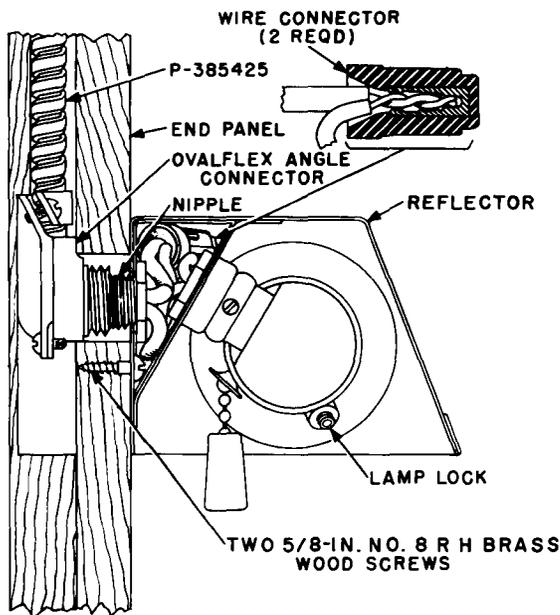


Fig. 6—Installation of 2-Type Light Fixture

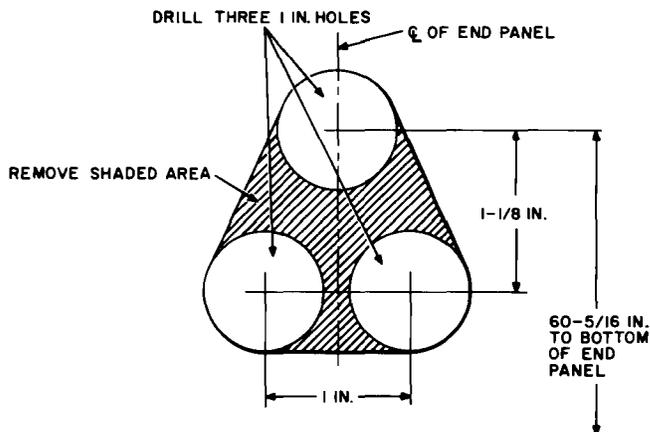


Fig. 7—Hole for 2D Fixture

4.04 When the condition of the external surface is such that cleaning will not be sufficient, the surface should be sanded and refinished.

DOOR

4.05 The door shall operate freely throughout its entire travel without binding or squeaking. When the door binds or squeaks:

- (a) Verify that booth is level. Refer to 3.05 and 3.06.

- (b) Thoroughly clean inside of door tracks with KS-7860 petroleum spirits.

THINK *KS-7860 petroleum spirits is flammable. Use safety precautions while using.*

- (c) Check that the guide pin assembly is straight and the roller is free of nicks. For replacement, use B-558859 guide pin assembly and B-561730 roller.

- (d) Replace broken or defective wooden door stops using No. 8 by 1-1/2 inch zinc plated wood screws.

4.06 When hinges are noisy or bind, lubricate each joint with KS-14774, List 2G lubricant and wipe off all excessive lubricant. When hinges show wear of 1/8-inch separation between the hinge barrels, replace the hinge with a B-558815 piano hinge assembly.

4.07 If the door-operated light switch becomes damaged, use a B-560059 switch assembly.

4.08 Replace damaged door glass panels with the following:

- Small panel—B-558805-3
- Large panel—B-558805-4

FLOOR

4.09 Use a B-558821 rubber floor and a B-558822 floor liner to repair defective or worn floors.

4.10 *To replace floor in booth:*

- (a) Remove binding strips, old floor, and liner.
- (b) Using putty knife, remove adhesive residue from the base and between edge of tread and floor.
- (c) Apply a thin, even coat of adhesive EC-194 to the screen impression side of liner. Locate liner centrally with chamfered edge under the tread. Press it down smoothly by treading on it.
- (d) Apply adhesive EC-847 in a thin, even coat, spread in a strip 12 inches wide across the front width of liner.

(e) Place edge of new floor under opened door and force tapered edge under the tread. (Exercise care in centering floor.) Let floor fall downward into position. The back and side flaps fold upward. Press floor against liner with foot.

(f) Replace binding strips.

4.11 Replace booth if tread is badly worn.

SEAT AND SHELF

4.12 Ensure that all mounting screws are secure.

4.13 For replacement, use B-557129 seat and B-557327 shelf assembly.

DOME ASSEMBLY

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

4.14 Clean the inside of the dome assembly with mild soap and warm water.

4.15 Replace B-551952 dome assemblies which do not meet local telephone company standards.

4.16 Clean the space between the ceiling and roof of all loose dirt and other loose foreign material.

LIGHT AND BLOWER UNIT

THINK → *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 voltage tester.*

4.17 Determine that the manually operated ventilator switch turns the blower on and off.

4.18 If ballast shows signs of leaking compound, replace the complete KS-19207, List 1 light and blower unit. Refer to Section 508-820-100.

4.19 Ensure that all electrical leads are securely clamped away from the air intake hole and from the rotary impeller.

4.20 The unit is equipped with a fluorescent Circline 40-watt cool white lamp.

SIGNS

4.21 Refer to Table C for replacement panels and assemblies.

4.22 To replace a sign panel or sign assembly, refer to Fig. 8 and perform the following:

Late Models

- (1) Remove four No. 6 by 1/2 RH wood screws which secure frame to header.
- (2) Slide assembly down and off
- (3) To replace panel, loosen four No. 8-32 by 3/16 PHM screws on top of frame.
- (4) Install, using reverse procedure.

Early Models



When early model signs are replaced, use sign assemblies per Table C.

- (1) Slide sign panel up and out of frame.
- (2) Remove old frame from booth.

Note: Mounting screws and B-650673 clip are furnished with List 58 through 61 sign assemblies.

- (3) Using four No. 6 by 1/2 RH wood screw, install B-650673 clip in opening of door header.
- (4) Hook bottom edge of sign frame under clip and secure to top of door header with four No. 6 by 1/2 RH wood screws.
- (5) Adjust the four pan head screws on top of frame and ensure that sign panel is tight.

LININGS

4.23 Booth linings which do not meet local telephone company standards can only be replaced at the service center.

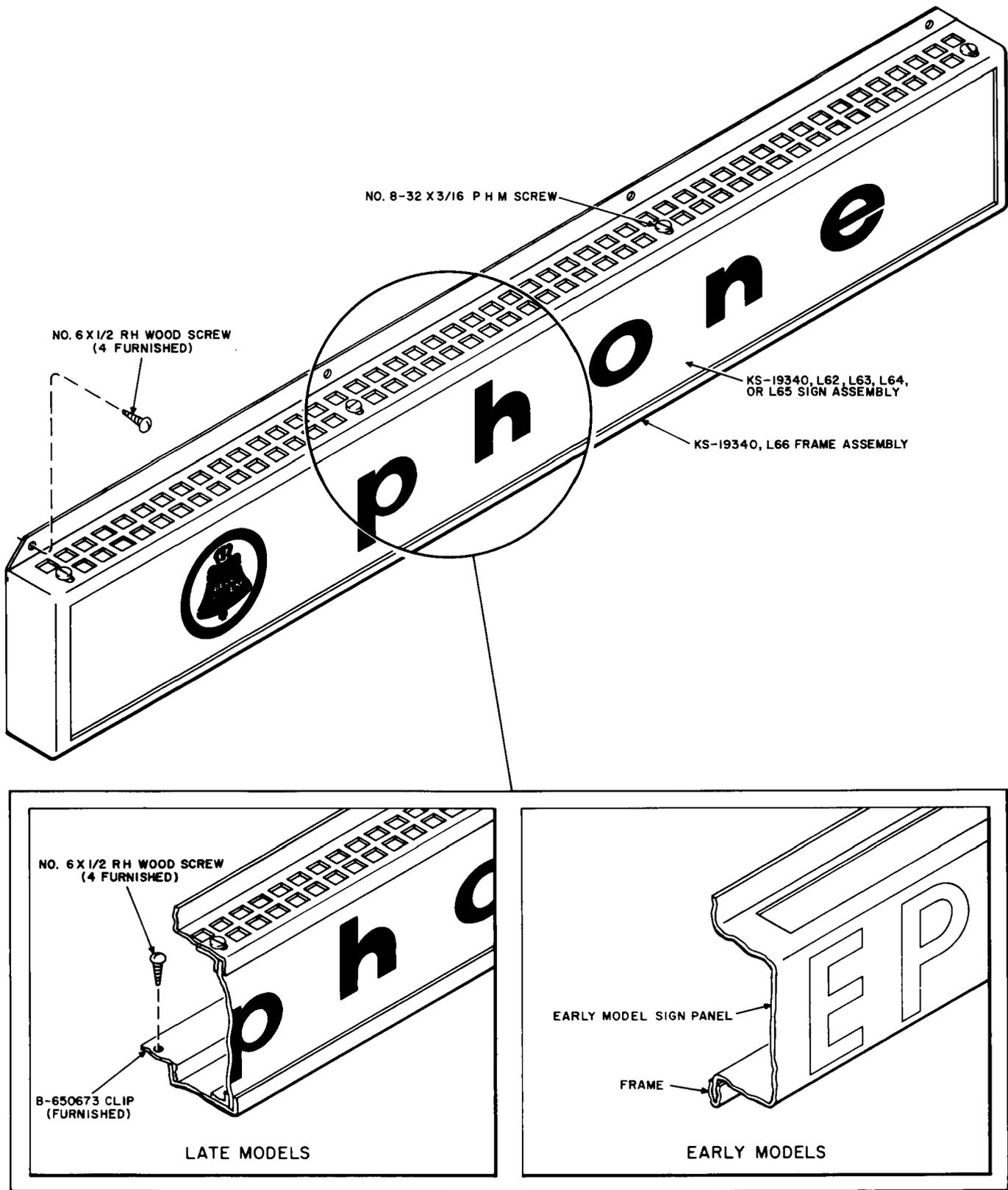


Fig. 8—KS-19340 Sign Assembly

ELECTRICAL EQUIPMENT

4.24 The B-560059 door switch assembly should be adjusted to operate when distance between the edge of the large door and the edge of the door frame is 13 inches \pm 1 inch.

4.25 Adjust door switch assembly by loosening switch mounting screws, positioning switch, and retightening screws.

4.26 If the blower switch, located above the coin collector/telephone set, becomes damaged, replace as follows:

- (1) Remove two B-564390-6 oval head screws which secure corner moulding to booth.
 - B-558860-1 moulding is used in a booth for stand-up service.
 - B-558860-2 moulding is used in a booth for sit-down service.
- (2) Pull moulding out from corner and remove one No. 6-20 by 3/8 RH tapping screw which secures switch to moulding.
- (3) Disconnect the two cable leads from switch and remove switch.

(4) If it becomes necessary to replace a cable, use B-560058-1 in a booth for stand-up service and B-560058-2 in a booth for sit-down service.

(5) Install switch using reverse procedure.

4.27 Ensure that continuity exists between the ground terminal of the KS-19425, List 22 power cable and the backboard. If it becomes necessary to replace the ground wire between the receptacle and backboard, use no less than No. 14 gauge wire.

CARD FRAME

4.28 When booths are equipped with card frames, ensure that frame is securely mounted.

4.29 Replace all damaged card frames with KS-19928, List 1 card frame per Section 508-811-100.

FINAL CLEANING

4.30 After all maintenance has been completed, sweep and dust the interior of the booth.