

COIN TELEPHONE SHELF KS-19945

1. GENERAL

1.01 Information in this section was formerly contained in Section 508-125-100 which is hereby canceled.

2. IDENTIFICATION

2.01 The KS-19945 coin telephone shelf (Fig. 1) is a wall mounted Fiberglas reinforced polyester molded unit intended for indoor use only.

2.02 The shelf is available in gray or blue with a stainless steel writing shelf.

2.03 The overall dimensions of the shelf are:

- Height—36 inches
- Width—17-1/2 inches
- Depth—11 inches

2.04 A 178A backboard is furnished with each shelf unless otherwise specified.

2.05 The KS-19945 shelf, less the backboard, can be installed over an existing 174- or 178A-type backboard.

2.06 The shelf is designed for a KS-19681, List 9 or List 10 illuminated sign (Fig. 1) or a porcelain enamel nonilluminated sign (Fig. 2).

2.07 The shelf will accept a 1A/1C-type coin telephone set (Fig. 1) or a 236G coin collector (Fig. 3). No provisions are made for using a subscriber set.

2.08 The directory compartment, which is a part of the shelf, will accept directories up to 4 inches thick.

2.09 Table A describes the basic list numbers.

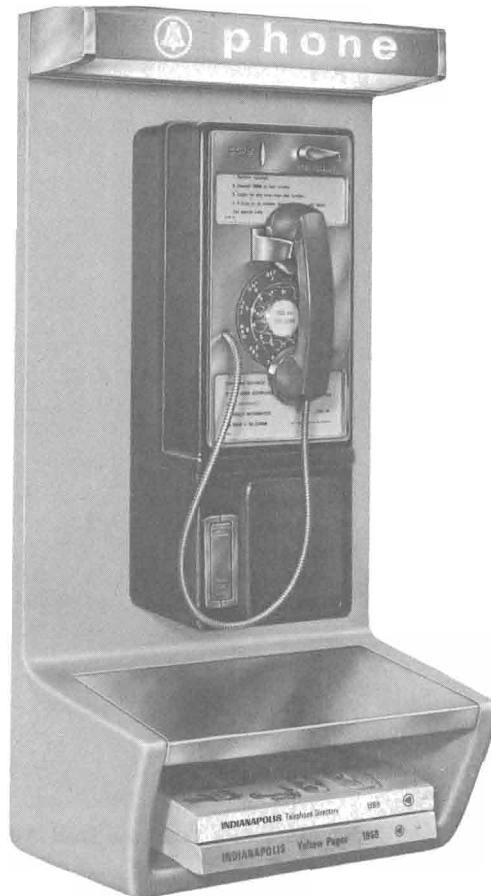


Fig. 1—KS-19945, List 1 Coin Telephone Shelf With 1C1 Coin Telephone Set

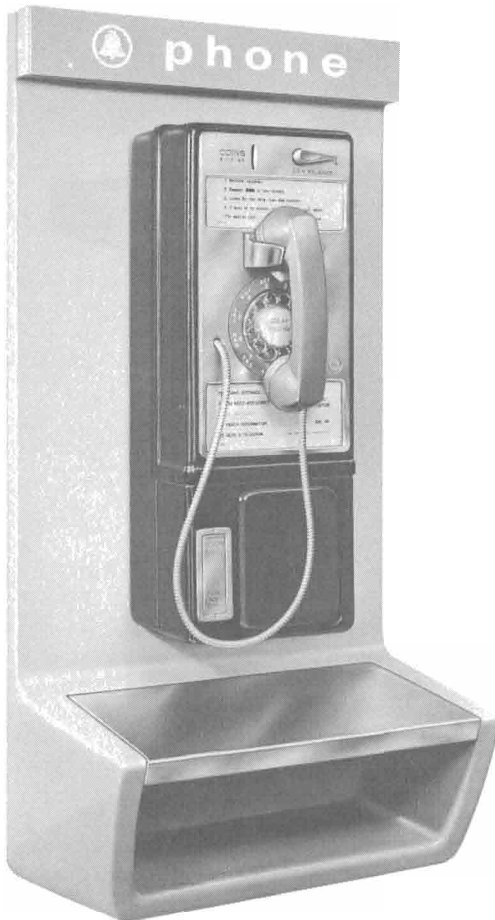


Fig. 2—KS-19945, List 3 Coin Telephone Shelf With 1C1 Coin Telephone Set

3. INSTALLATION



When mounting the 1A/1C-type coin telephone set, a vertical surface must be provided. A tilt greater than 1-1/2 degrees in any direction can cause chute malfunction. A vertical surface



Fig. 3—KS-19945, List 4 Coin Telephone Shelf With 236G Coin Collector

may be determined by the following steps:

- (1) Place a spirit level vertically against the mounting surface on which the set is to be installed.
- (2) When a vertical reading is obtained, the end of the level opposite the point of contact

TABLE A
KS-19945 LIST NUMBERS AND DESCRIPTION

LIST NO.	DESCRIPTION	SHELF COLOR	SIGN FURNISHED	COLOR OF SIGN LETTERS	COLOR OF SIGN BACKGROUND
1	Shelf	Gray	KS-19681, L9*	White	Blue
2	Shelf	Gray	KS-19681, L10*	Blue	White
3	Shelf	Gray	KS-19945, L9	White	Blue
4	Shelf	Gray	KS-19945, L10	Blue	White
9	Sign, porcelain enamel			White	Blue
10	Sign, porcelain enamel			Blue	White
11	Shelf	Blue	KS-19681, L9*	White	Blue
12	Shelf	Blue	KS-19681, L10*	Blue	White
13	Shelf	Blue	KS-19945, L9	White	Blue
14	Shelf	Blue	KS-19945, L10	Blue	White

* KS-19681 illuminated signs may be ordered separately. See Fig. 6 for component parts identification.

shall be no farther from the mounting surface than described in Table B.

(3) The left to right mounting axis shall also be within 1-1/2 degrees of true vertical.

TABLE B

METHOD OF DETERMINING A VERTICAL SURFACE

SPIRIT LEVEL LENGTH	MAXIMUM ALLOWABLE DISTANCE OUT OF PLUMB
18 inches	15/32 inch
24 inches	5/8 inch
30 inches	25/32 inch
36 inches	15/16 inch

New Installation

3.01 Install the 178A backboard (furnished with KS-19945 shelf) using the fasteners described in Table C. Bottom edge of backboard shall be 45-1/2 inches from floor.

Note: If an illuminated sign is used, ensure that a 3-wire grounded outlet is accessible. If the outlet is below shelf, place light cord behind shelf before securing shelf to wall. If concealed wiring is desired, an electrical box may be installed centered 24 inches above bottom edge of backboard.

3.02 The rear of the directory compartment has two mounting holes (Fig. 4). Hold shelf in place over backboard and mark the wall through these two holes.

TABLE C
FASTENERS USED IN MOUNTING BACKBOARDS

MOUNTING SURFACES					HOLE SIZE REQUIRED	FASTENERS	
SOFT-WOOD	HARD-WOOD	MASONRY* (CONCRETE, BRICK)	LATH AND PLASTER	PLASTER, CINDER BLOCK, HOLLOW TILE, METAL LATH, PLASTER-BOARD†		SIZE AND TYPE (NOTES 2 AND 3)	QUANTITY (NOTE 1)
•					1/8 or No. 30	1-3/4 inch No. 14 FH tapping screw	7
	•					1-1/4 inch No. 14 FH tapping screw	
		•			1/2	1/4-20 by 1-1/2 inch FH machine screw in 1/4 by 1-1/4 inch expansion shield	
			•		1/8 or No. 30	1-3/4 inch No. 14 FH tapping screw, secure in stud	6
				•	3/4	1/4- by 4-inch RH toggle bolt	

* When mounting on plastered masonry, use fasteners 1/2-inch longer than specified.

† When mounting on plasterboard, plaster on lath, etc, fasteners must be embedded in stud at least 1 inch.

Note 1: Additional fasteners may be placed to ensure mounting.

Note 2: When using toggle bolts, cut off excess length.

Note 3: Size shown for wall screw anchors is diameter only. Length will be determined by wall thickness.

3.03 Remove the shelf and drill the two marked holes using Table C as a guide for drilling.

3.04 Install appropriate anchors, if required, in the two holes.

3.05 Place shelf over backboard and secure it to wall with two screws. These screws will keep shelf in place until coin telephone set is installed.

3.06 Install security studs in coin telephone set as follows: (See Section 506-101-400 for complete information on security studs.)

(a) Install two P-40Y061 security studs (long shoulder, short thread) in the two upper holes.



Security studs used in the two upper holes must be flush or underflush with inside of backplate in coin telephone set. Longer threads will interfere with coin chute.

(b) Install two P-12E798 security studs (long shoulder, long thread) in the two lower holes.

3.07 Install 1A/1C-type coin telephone set in accordance with Sections 506-410-400 or 506-411-401. Security studs will go through shelf and backboard (Fig. 5).

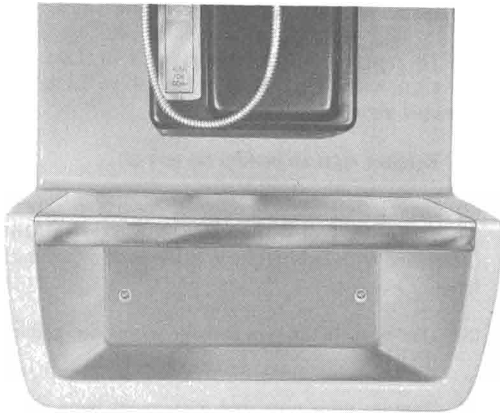


Fig. 4—Directory Compartment of KS-19945 Coin Telephone Shelf

- 3.08** Further secure the set to shelf and backboard with seven 1/4-20 by 5/8 hardened RHM screws (P-23F790) which are furnished with set.

Existing Installation



No provisions are made for using a subscriber set with this shelf.

- 3.09** Remove coin telephone set from backboard.
- 3.10** Perform operations outlined in 3.02 through 3.05.
- 3.11** If a 1A/1C-type coin telephone set is used, perform operations outlined in 3.06 through 3.08.
- 3.12** If a 236G coin collector is used, install four P-12E798 security studs (long shoulder, long thread).
- 3.13** Further secure the set to the shelf and backboard with 1/4-20 by 1 inch FHM screws (P-49C296). Order separately.

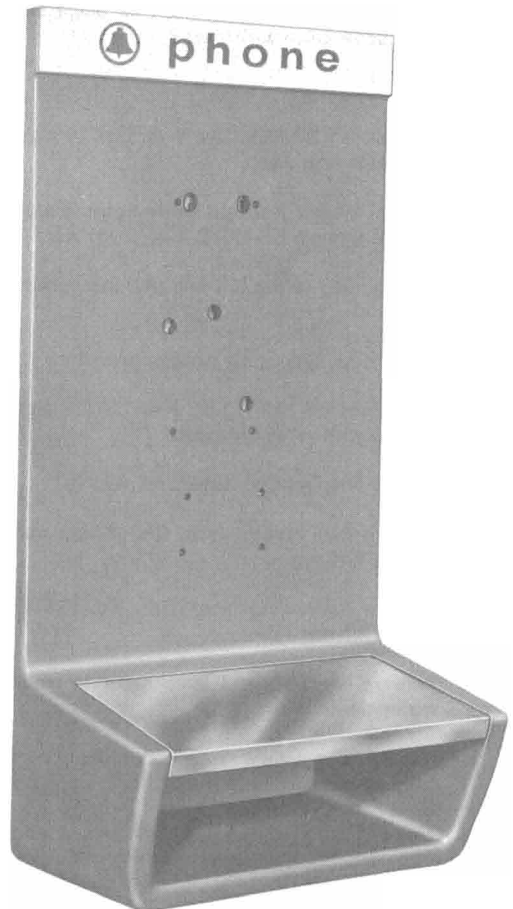


Fig. 5—KS-19945, List 14 Coin Telephone Shelf

4. MAINTENANCE

- 4.01** Maintenance of the KS-19945 coin telephone shelf consists of cleaning, replacing complete shelf, or replacing sign or sign parts.

Cleaning

- 4.02** Refer to Section 508-100-101.

Replacing Complete Shelf

- 4.03** Remove coin telephone set and shelf.

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- 4.04** Install new shelf and replace coin telephone set in accordance with Part 2.

Signs

- 4.05** To replace KS-19945, List 9 or List 10 sign with same type sign:

- (1) Remove tamper resistant screw at top center of shelf using a KS-19192, List 1 wrench.
- (2) Remove sign to the left and pull away from shelf.
- (3) Install new sign, using reverse procedure.

- 4.06** To replace KS-19681, List 9 or List 10 sign (Fig. 6) with same type sign:

- (1) Unplug lamp cord or disconnect wiring.
- (2) Remove four screws from top of sign and remove diffuser.
- (3) Remove fluorescent lamp (G.E. No. F14T12 or equivalent).
- (4) Remove two nuts and lamp cover to make wiring accessible.
- (5) Remove wire nuts and disconnect lamp cord from ballast and lamp holder.

Note: If lamp cord is not damaged, it may be reused. If it is not reusable, remove it from behind shelf.

- (6) Remove four mounting screws and remove base assembly.
- (7) If new lamp cord is used, run a fish tape through entrance hole in rear of shelf and down wire channel until it is accessible at bottom of shelf.
- (8) Tie new cord to fish tape and pull it up into position.

- (9) Install new sign using reverse procedure.

- 4.07** To replace a KS-19945, List 9 or List 10 sign with a KS-19681, List 9 or List 10 illuminated sign:

- (1) Remove sign as in 4.05 (1) and (2).
- (2) Insert four plasti-grommet inserts (Fastex Div. of Ill. Tool Works No. 242-180602-90-0101-) (furnished with light fixture) in the four mounting holes.
- (3) Disassemble the sign to make wiring accessible (Fig. 6).
- (4) Remove wire nuts and disconnect lamp cord from ballast and lamp holder.
- (5) Run a fish tape through entrance hole in rear of shelf and down wire channel until it is accessible at bottom of shelf.
- (6) Tie lamp cord to fish tape and pull it up into position.
- (7) Install base assembly on shelf using the four No. 8 by 3/4 Phillips head self-tapping screws furnished with light fixture.
- (8) Reconnect lamp cord to ballast and lamp holder.
- (9) Install cover on base assembly.
- (10) Install fluorescent lamp (G.E. No. F14T12 or equivalent).
- (11) Install frame and diffuser and secure them with the four No. 8-32 by 1/2 stainless steel screws.
- (12) Plug lamp cord into wall socket.

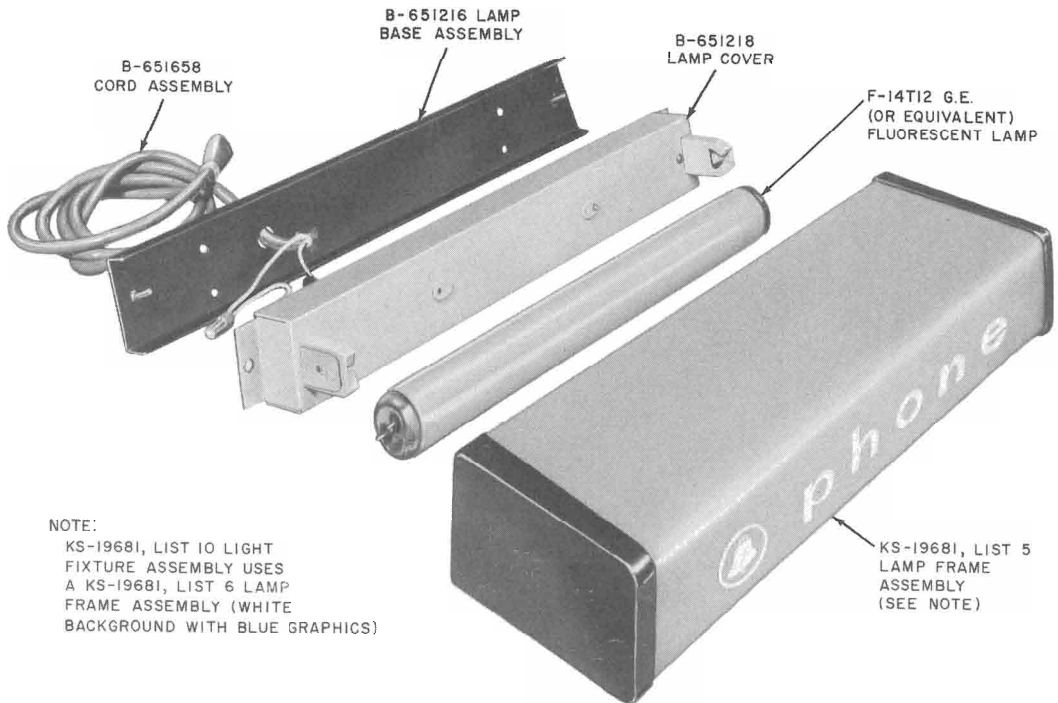


Fig. 6—KS-19681, List 9 Light Fixture Assembly