

COIN TELEPHONE SHELF

KS-20194

IDENTIFICATION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 This section is reissued to

- Revise references
- Revise Tables A, B, and C

1.02 The KS-20194 coin telephone shelf (Fig. 1) is a wedge-shaped wall mount intended for indoor use only.

1.03 It may be installed singly or in various multiple arrangements (Fig. 2).

1.04 The wedge shelf is designed for mounting a 235/1235-type coin collector or a 2A/2C type coin telephone set in the left or right corner (Fig. 1) or a 1A-type coin telephone set in the left corner (Fig. 3).

1.05 The wedge shelf can be surface mounted or recessed in a wall.

2. IDENTIFICATION

2.01 The overall dimensions of the shelf are:

- Height—29-1/2 inches
- Width—28 inches when surface mounted or 29-1/2 inches when recessed
- Depth—15 inches at wide end, 7-1/2 inches at narrow end.

2.02 The basic shelf assembly includes:

- Wooden backboard (surface mountings only)
- Metal housing
- Coin telephone mounting plate
- 178A Backboard (List 5 shelf only)
- Plastic diffuser with Bell System emblem and word phone which surrounds a fluorescent lamp

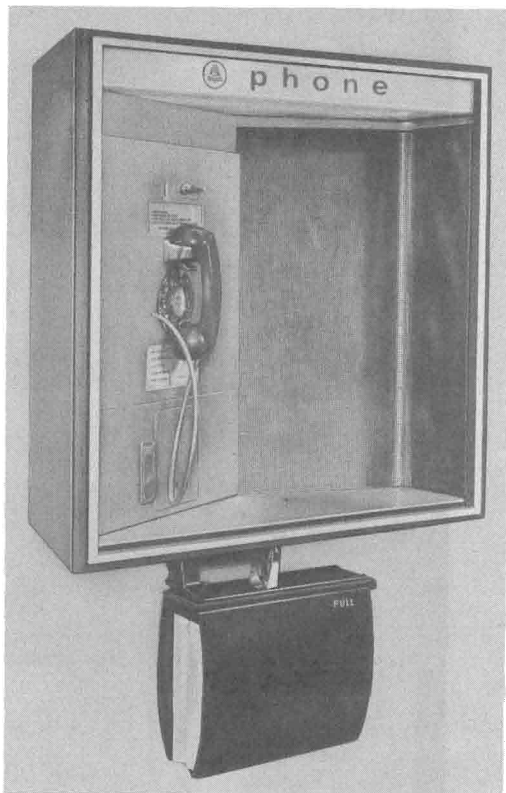


Fig. 1—KS-20194, List 1 Coin Telephone Shelf with KS-20030 Directory Hanger

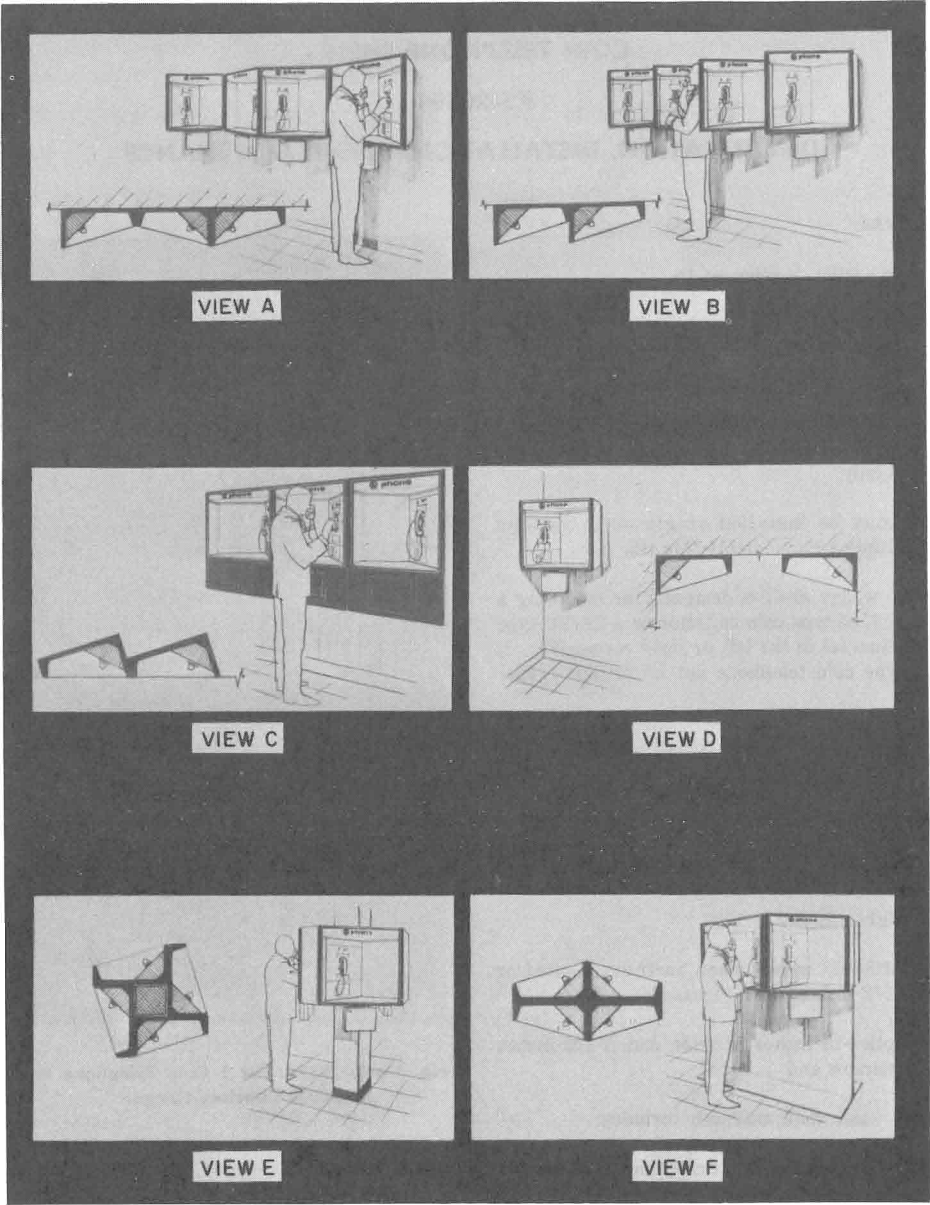


Fig. 2—Various Multiple Arrangements for KS-20194 Shelf



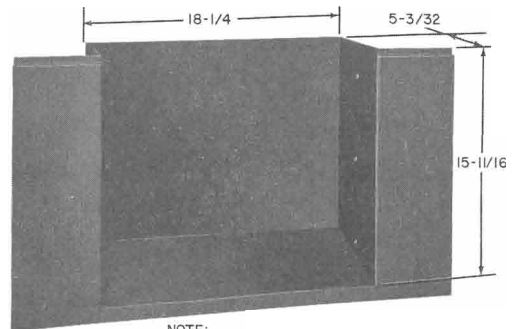
Fig. 3—KS-20194, List 5 Coin Telephone Shelf with 1A1 Coin Telephone Set and KS-20030 Directory Hanger

- Stainless steel writing shelf
- Perforated stainless steel interior panel(s) backed with acoustic material
- Oyster gray finished outer housing (surface mountings only)
- Oxford gray aluminum trim bezel.

2.03 Optional equipment includes:

- (a) KS-20030, List 5 directory hanger (Fig. 1)
 - Single binder with clockwise rotation
 - For use with KS-20194, List 1, 3, and 5 shelves.
- (b) KS-20030, List 6 directory hanger
 - Single binder with counterclockwise rotation

- For use with KS-20194, List 2 and 4 shelves.
- (c) KS-20194, List 10 directory dress panel (Fig. 4)
- For use with List 3 and 4 shelves (recessed) when a KS-20030 directory is required.



NOTE:
ALL DIMENSIONS SHOWN ARE IN INCHES.

Fig. 4—KS-20194, List 10 Directory Dress Panel

2.04 Table A describes the basic list numbers.

2.05 Power and telephone service entrance is made through the shelf backboard when surface mounted. When recessed, this service may enter through wireways along the top of the shelf.

2.06 The shelf and surrounding area are lighted with a 2-foot long, 20-watt fluorescent lamp (GE Co. No. F20T12 or equivalent).

ORDERING INFORMATION

2.07 List numbers must be specified as required (Table A) plus accessories as shown in the following examples of typical orders:

Example I: Left-hand surface mount for 2A-type coin telephone set

1—Coin telephone shelf—KS-20194, List 1

1—Directory hanger—KS-20030, List 5

TABLE A
KS-20194 COIN TELEPHONE SHELF
ORDERING GUIDE

LIST NO.	DESCRIPTION	REMARKS
1	Shelf, surface mounted (Fig. 1)	For left-hand mounting of 235-/1235-type coin collector or 2A-/2C-type coin telephone set
2	Shelf, surface mounted	For right-hand mounting of 235-/1235-type coin collector or 2A-/2C-type coin telephone set
3	Shelf, recess mounted	For left-hand mounting of 235-/1235-type coin collector or 2A-/2C-type coin telephone set
4	Shelf, recess mounted	For right-hand mounting of 235-/1235-type coin collector or 2A-/2C-type coin telephone set
5	Shelf, surface mounted (Fig. 3)	For left-hand mounting of 1A-/1C-type coin telephone set
10	Panel, directory dress (Fig. 4)	For use with List 3 or List 4 shelves in conjunction with directory hanger
11*	Diffuser, white letters on blue background	For use with List 1, 3, and 5 shelves
12*	Diffuser, white letters on blue background	For use with List 2 and 4 shelves
13	Diffuser, blue letters on white background	For use with List 1, 3, and 5 shelves
14	Diffuser, blue letters on white background	For use with List 2 and 4 shelves
15	Diffuser, white with no letters	For use with List 1, 3, and 5 shelves
16	Diffuser, white with no letters	For use with List 2 and 4 shelves

* List 11 and List 12 diffusers are furnished unless otherwise specified.

Example II: Right-hand recessed mount for 2A-type coin telephone set

- 1—Coin telephone shelf—KS-20194, List 4
- 1—Directory dress panel—KS-20194, List 10
- 1—Directory hanger—KS-20030, List 6

Example III: Left-hand surface mount for 1A-type coin telephone set

- 1—Coin telephone shelf—KS-20194, List 5
- 1—Directory hanger—KS-20030, List 5
- 1—Diffuser—KS-20194, List 13

3. INSTALLATION

3.01 Shelf location should be:

- Within full view of public
- Readily accessible to customer
- Free of such hazards as broken or uneven flooring.

3.02 Ensure that wall will provide a secure mounting for the shelf.



The shelf is packaged completely assembled and must be partially disassembled before it can be installed.

3.03 Remove the following items from the housing in the sequence listed below:

- Trim assembly (located between the diffuser and perforated panels). Loosen No 10-32 by 1/2 hex socket head cap screw through hole provided in end of trim.
- Diffuser
- Lamp
- Light barrier (except with List 5)
- Perforated panels (recessed mounting only).

3.04 Install housing for a List 1, 2, or 5 shelf (surface mounted) as follows:

- (a) Use B-991631 measure strip and locate B-991082 backboard assembly (Fig. 5) on wall in the exact position it will be installed. Backboard shall be 46-53/64 inches from floor.

Note: Holes are not provided in the backboard for mounting to the wall. At least nine fasteners are recommended and the wall will determine the location the holes are to be drilled.

- (b) Lay out and mark locations on the backboard for drilling mounting holes. Ensure that backboard is positioned correctly for the list number housing being installed.

- (c) Refer to Table B and drill holes in the backboard and wall to accept the fasteners specified.

- (d) Countersink the drilled holes in backboard for flat head screws.

- (e) Install backboard on wall using appropriate fasteners.

- (f) Hang shelf housing on backboard utilizing the two backboard studs. Studs may be moved to opposite corners if necessary.

- (g) Secure housing to backboard using thirteen 1/4-20 by 11/16 RHM screw. Screws are furnished.

3.05 Install housing for a List 3 or 4 shelf (recess mounted) as follows:

- (a) Use B-991631 measure strip and locate place on wall where shelf will be installed. Shelf housing shall be 46-13/32 inches from floor

- (b) Refer to Fig. 6 and 7 for dimensions and cut hole in wall to accept housing. Minimum depth shall be 15 inches.

- (c) If a KS-20194, List 10 directory dress panel is required, cut a hole in wall below the shelf cutout to accommodate this panel. Refer to Fig. 7 for dimensions. Minimum depth shall be 5-1/4 inches.

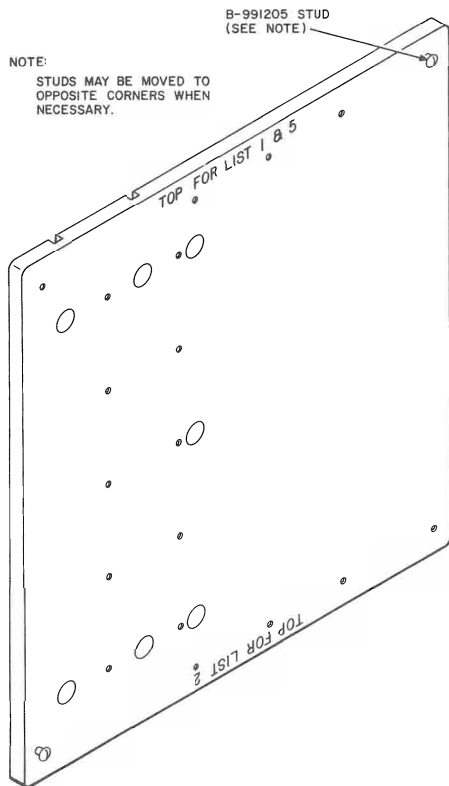


Fig. 5—B-991082 Backboard Assembly

Note: Three mounting holes are provided in each side of the panel for securing it to the mounting surface. Provide mounting blocks or a suitable framework for this purpose.

- (d) Install housing in cutout and secure it to wall. Use fasteners specified in Table B.
 - (e) If applicable, install List 10 directory dress panel in wall under the housing (Fig. 8) using six No. 10 FH wood screws or equivalent.
- 3.06** Install acoustic and perforated panels, telephone wiring, coin telephone, electric wiring, lamp, and diffuser.
- 3.07** Install trim assembly between diffuser and coin telephone set.
- Note:** Start trim on side opposite telephone and work across to other side.
- 3.08** Secure trim assembly using B-699159 (for Lists 1, 2, 3, and 4 shelves) or L-760625 (for List 5 shelf) retainer and one No. 10-32 by 1/2 hex socket head cap screw.
- DIRECTORY HANGER**
- 3.09** Mounting holes have been provided under the shelf for a KS-20030 directory hanger. Refer to Division 508, section entitled: KS-20030 Directory Hangers for installation procedures.
- 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 coin telephone shelves.
- 4.03** Replace any part of the shelf which does not meet local telephone company standards.
- 4.04** Inspect the approach to the shelf and ensure that it is free of all hazards.
- 4.05** Ensure that all visible screws are secure.
- 4.06** Clean shelf in accordance with Division 508, section entitled: Booth and Shelf Cleaning.
- 4.07** Refer to Table C for replacement parts.

TABLE B
FASTENERS USED FOR MOUNTING BACKBOARDS

MOUNTING SURFACE	HOLE SIZE REQUIRED IN BACKBOARD	HOLE SIZE REQUIRED IN WALL	SIZE AND TYPE FASTENER
Soft wood or Hard wood	7/32	1/8 or No. 30	1-3/4-inch No. 14 FH tapping screw
Masonry* (Concrete, Brick)	5/16	5/8	5/16 by 2-inch expansion shield with 5/16 by 2-3/4-inch machine screw
Lath and plaster†	7/32	1/8 or No. 30	2-3/4-inch No. 14 FH wood screw (fastener must be embedded in stud 1 inch)
Plaster, cinder block, hollow tile, metal lath, plaster-board	5/16	1 inch	5/16 by 4-inch FH 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.

‡ When using toggle bolts, cut off excess length.

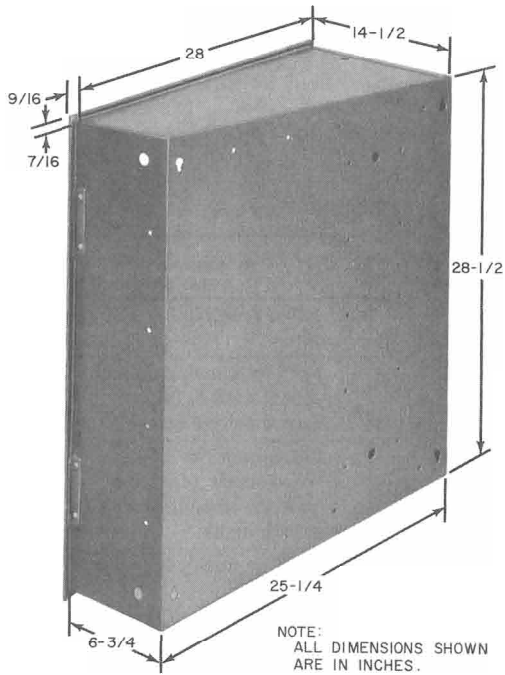


Fig. 6—Rear View of Housing

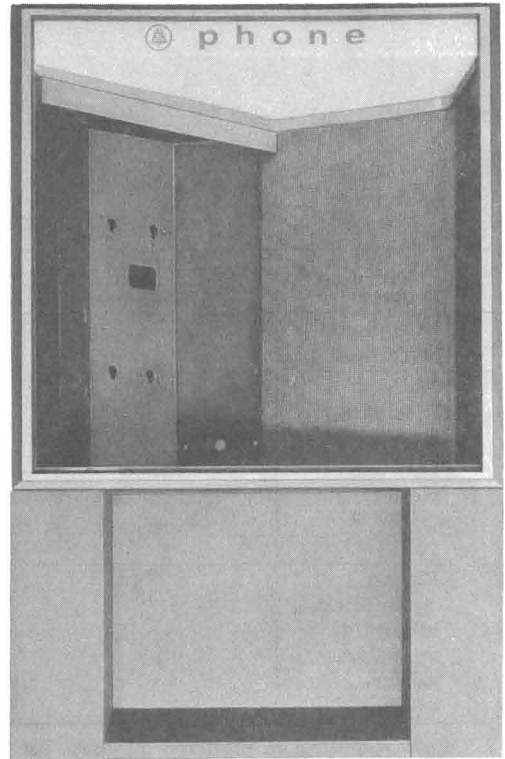


Fig. 8—List 1 Housing with List 10 Panel

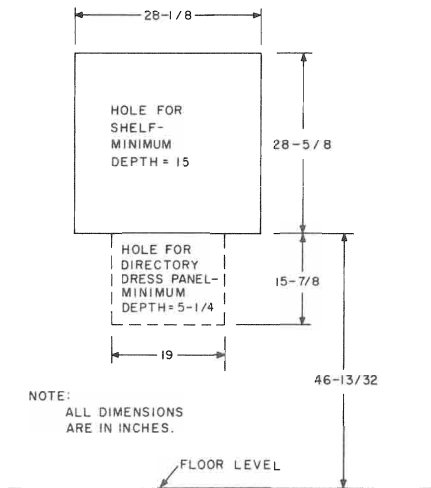


Fig. 7—Layout for Cutting Hole in Wall

TABLE C
REPLACEMENT PARTS

NAME	PART NO.		REMARKS
Acoustic Material	B-699168	Small	For List 1, 2, 3, or 4 housing
	B-699169	Large	
	L-760800	Small	For List 5 housing
	L-760801	Large	
Diffuser		See Table A	
Lamp	GE Co. No. F20T12 or equivalent	2-foot long, 20 watt	
Light Barrier	B-699153	For List 1, 2, 3, or 4 housings	
Panel, Inner	B-699160	Small	For List 1, 2, 3, or 4 housing
	B-699161	Large	
	L-760776	For List 5 housing	
Retainer	B-699159	Use with B-699158 trim assembly	
	L-760625	Use with B-760799 trim assembly	
Trim Assembly	B-699158-1	Use with List 1 and List 3 housings	
	B-699158-2	Use with List 2 and List 4 housings	
	L-760799	Use with List 5 housing	