

KS-20030 DIRECTORY HANGERS AND KS-21435 DIRECTORY FACILITY IDENTIFICATION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 The KS-20030 directory hangers (Fig. 1 and 2) are universal hangers designed for use with various coin telephone booths, shelves, and KS-20842 SENTRY* telephone mounting. The KS-21435 directory facility (Fig. 3), is a universal (hanger) designed for use with KS-20842 SENTRY telephone mounting.

1.02 This section is reissued to add information on the KS-21435 directory facilities.

1.03 It is intended that the KS-20030, Lists 1, 2, 3, 5, and 6 hangers be used in semiprotected locations and Lists 10, 11, 12, and 13 are intended for outdoor locations. ♦The KS-21435, Lists 1, 2, and 3 are designed for outdoor locations.♦

2. IDENTIFICATION

2.01 The KS-20030 list numbers have been assigned to the directory hangers as described in Table A. ♦KS-21435 list number facilities are described in Table B.♦

2.02 The KS-20030 hangers consist of a stainless steel mechanism that permits rotation of a directory and cover assembly in both horizontal and vertical planes.

2.03 Each hanger supports the directory, below and parallel to the front edge of a shelf (Fig. 4 through 10).

2.04 Springs are provided to act as detents when access is acquired and will return the directory to normal position when rotated manually out of the detent area.

2.05 The vertical motion, subsequent to the horizontal rotation permits the directory to

be raised to rest on the shelf for access (Fig. 11 through 14).

2.06 ♦The KS-21435 facility consists of a cast mechanism that permits rotation in the horizontal and vertical planes simultaneously (Fig. 15).

2.07 The facility supports the directory with pages down below and parallel to the front edge of the shelf.

2.08 The directory is automatically returned to storage position after use.♦

ORDERING INFORMATION

2.09 Orders shall specify the quantity, KS number, and list number. Refer to Table A or ♦B♦.

3. INSTALLATION (KS-20030 HANGERS)

Note: No. 10-32 by 3/8-inch Phillips RHM screws are furnished with each hanger for securing it to the shelf.

3.01 Refer to Table A for use of each hanger.

3.02 Current model booths and shelves are equipped with writing shelves designed to accept the KS-20030 directory hangers. Use hardware provided. Refer to paragraphs 3.03 through 3.23 for unique installations.

A. KS-14611 and KS-19580 Booths

Note: Early model must be modified as follows:

3.03 Remove all existing writing shelves, directory racks, and apparatus blanks. Retain hardware.

3.04 Install KS-19580, List 29 shelf assembly using hardware retained.

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LEGEND

- 1 - NO. 10-32 SECURITY SCREW
- 2 - SINGLE HANGER ASSEMBLY
B-697874-1 FOR LIST 1 DIRECTORY HANGER
B-697874-2 FOR LIST 3 DIRECTORY HANGER
B-697874-3 FOR LIST 6 DIRECTORY HANGER
B-697874-4 FOR LIST 5 DIRECTORY HANGER
- 3 - NO. 10-32 X 3/8 PHILLIPS RHM SCREW
- 4 - 1/2 - 13 HEX NUT
- 5 - B-698340 BUMPER HOLDER
- 6 - B-697647 BUMPER
- 7 - DIRECTORY ASSEMBLY
KS-20030, L7 FOR LIST 1, 3, AND 5
DIRECTORY HANGERS
KS-19426, L42 (CLOSED-END COVER) FOR LIST 10,
11, AND 13 DIRECTORY HANGERS
- 8 - B-563039 LINK (PART OF DIRECTORY ASSEMBLY)
- 9 - B-563043 HANGER PIN (PART OF DIRECTORY ASSEMBLY)

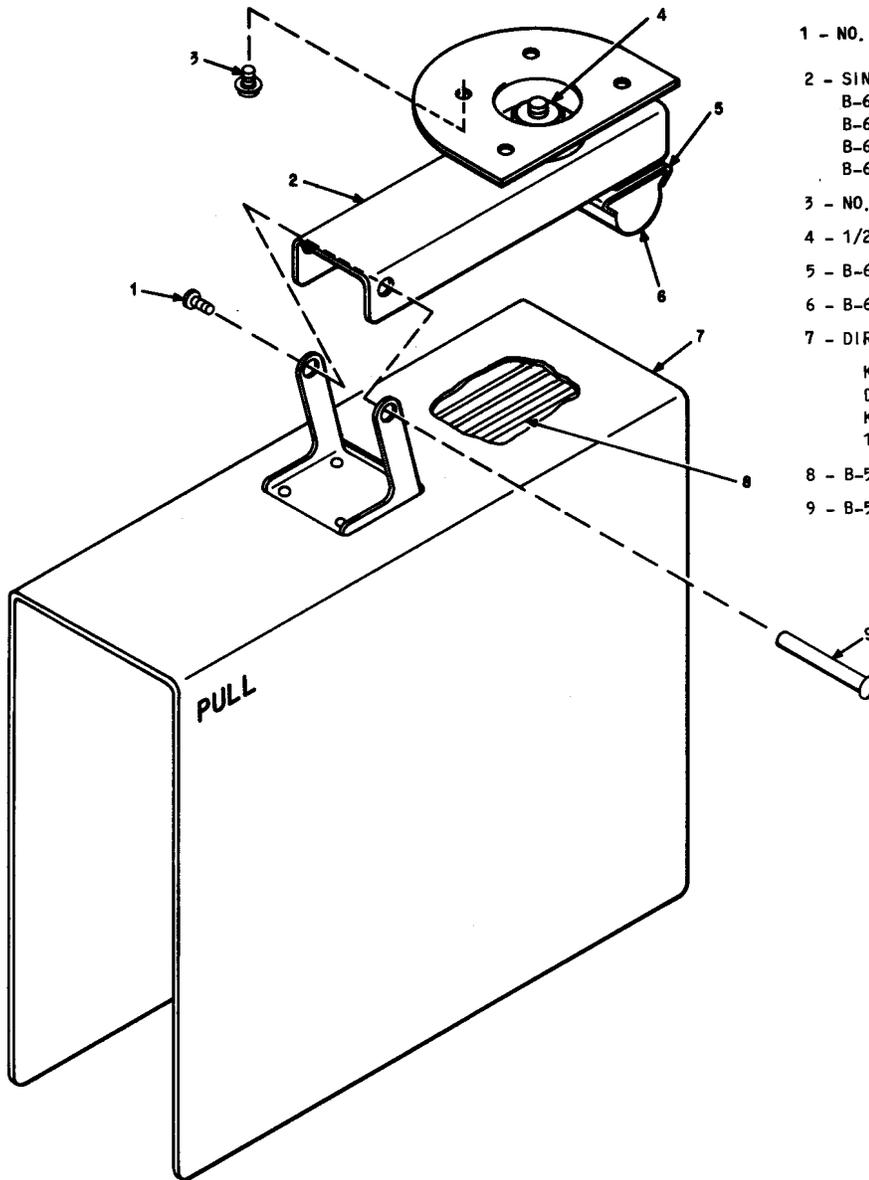


Fig. 1—KS-20030 Directory Hanger (Typical for Single Binder)

3.05 Secure the List 1 or 2 directory hanger to the shelf assembly.

3.06 Repeat paragraph 3.03.

B. KS-16797 and KS-19425 Booths

3.07 Install KS-19425, List 27 shelf assembly using hardware retained.

Note: Early model must be modified as follows.

3.08 Secure the List 3 directory hanger to the shelf assembly using retained hardware.

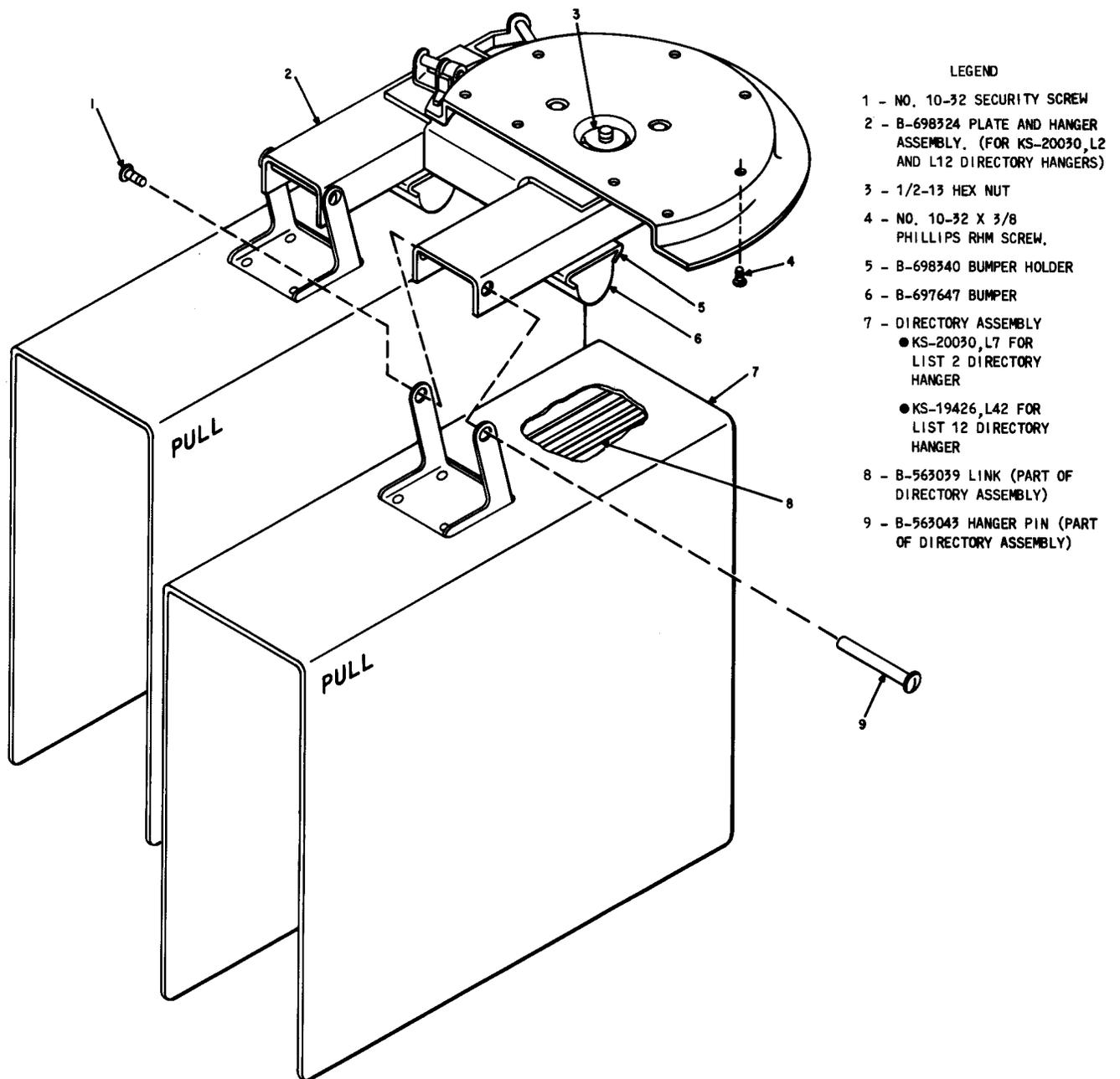


Fig. 2—KS-20030 Directory Hanger (Typical for Double Binder)

C. KS-19267 Shelf

Note: Early model must be modified as follows:

3.09 Remove the KS-19267, List 11 directory rack per Fig. 16 or the KS-19267, List 13 cover assembly per Fig. 17.

3.10 If present, remove subset and subset mounting bracket per Fig. 18.

3.11 Remove writing shelf from frame of shelf assembly per Fig. 19.

3.12 Mount KS-19267, List 14 mounting bracket (Fig. 20) temporarily and secure it at the left front with one No. 8-32 by 7/16 RHM screw.

◆TABLE A◆

KS-20030 DIRECTORY HANGERS

LIST NO.	DESCRIPTION	DIRECTION OF ROTATION	DEGREE OF ROTATION	USED WITH	FIG. REF
1	Single open end binder—will accept a directory up to 3-3/4 inches thick	Counter-clockwise	90°	KS-19267 Shelf	4
2	Two single open end binders—each will accept a directory up to 3-3/4 inches thick			KS-14611 Booth KS-19580 Booth KS-21716 Booth	5
3	Single open end binder—will accept a directory up to 3-3/4 inches thick	Clockwise		KS-16797 Booth KS-19425 Booth KS-20255 Booth KS-20630 Booth	6
5			60°	KS-20194, List 1 Shelf KS-20194, List 3 Shelf KS-20194, List 5 Shelf KS-21571, Shelf	7
6		Counter-clockwise		KS-20194, List 2 Shelf KS-20194, List 4 Shelf	—
7	Directory Assembly — can be ordered as a replacement part	Not applicable		KS-20030, List 1 KS-20030, List 2 KS-20030, List 3 KS-20030, List 5 KS-20030, List 6	1 and 2
10	Same as List 3 except with KS-14926, L42 closed end cover plus a separate mounting plate	Clockwise	90°	KS-20842, List 30 Shelf KS-20842, List 31 Housing	8
11	Same as List 1 except with KS-19426, List 42 closed-end cover	Counter-clockwise		KS-20842, Lists 32, 33, 34, and 35 Housing KS-21977, List 1 Mounting	10
12	Same as List 2 except with 2 KS-19426, List 42 closed-end covers			KS-20842, Lists 32, 33, 34, and 35 Housing	—
13	Same as List 10 except without the separate mounting plate	Clockwise		KS-20842, Lists 32, 33, 34, and 35 Housing KS-20255 Booth	9

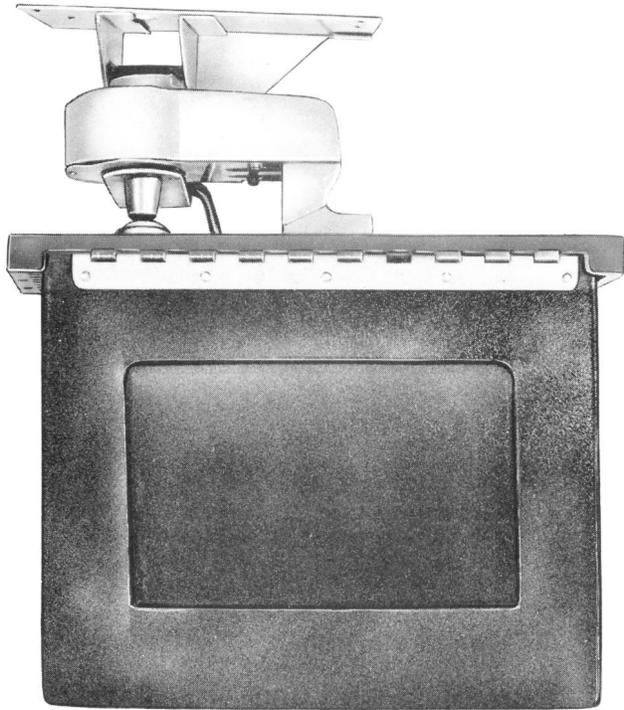


Fig. 3—KS-21435 Directory Facility



Fig. 4—KS-20030, List 1 Directory Hanger Mounted on KS-19267 Shelf

3.13 Using the mounting bracket as a template, mark the location for drilling a second hole on the front cross rail and three holes (Fig. 21) on the rear cross rail.

3.14 Remove the screw and mounting bracket.



Fig. 5—KS-20030, List 2 Directory Hanger Mounted on KS-19267 Shelf

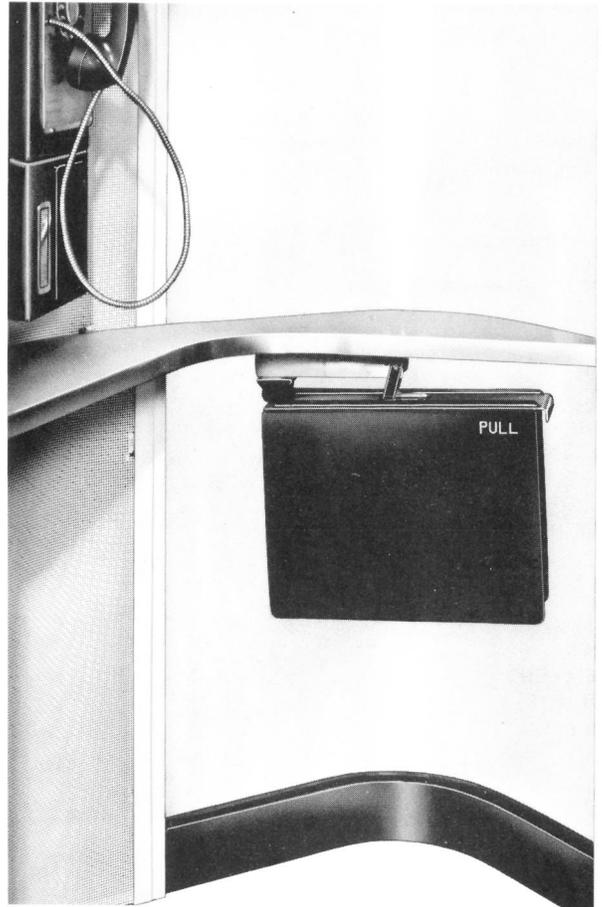


Fig. 6—KS-20030, List 3 Directory Hanger in KS-20255 Telephone Kiosk

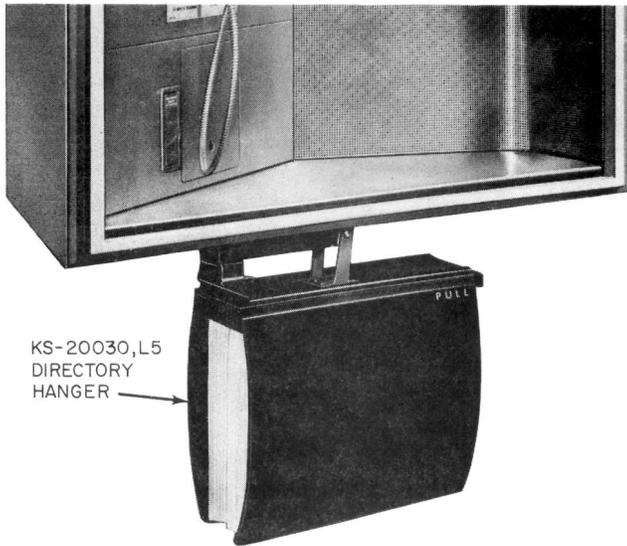


Fig. 7—KS-20030, List 5 Directory Hanger Mounted on KS-20194 Shelf

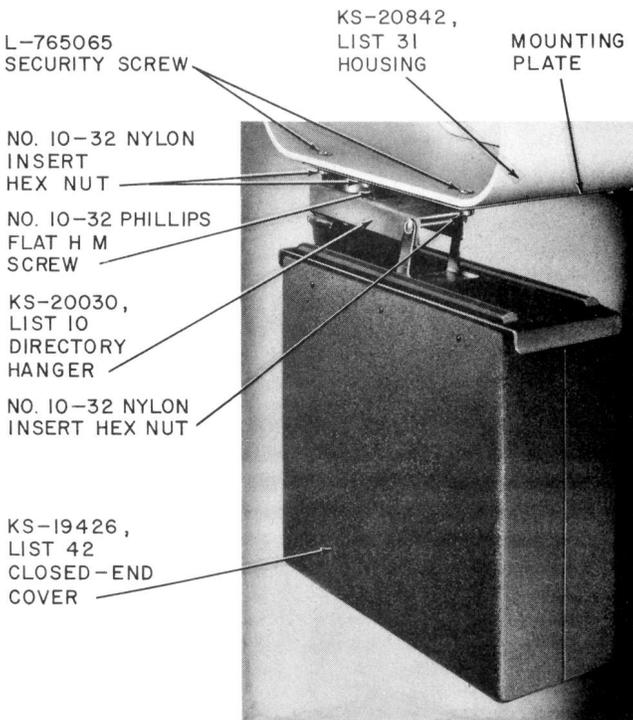


Fig. 8—KS-20030, List 10 Directory Hanger Mounted on KS-20842, List 31 Housing (Walk-Up)

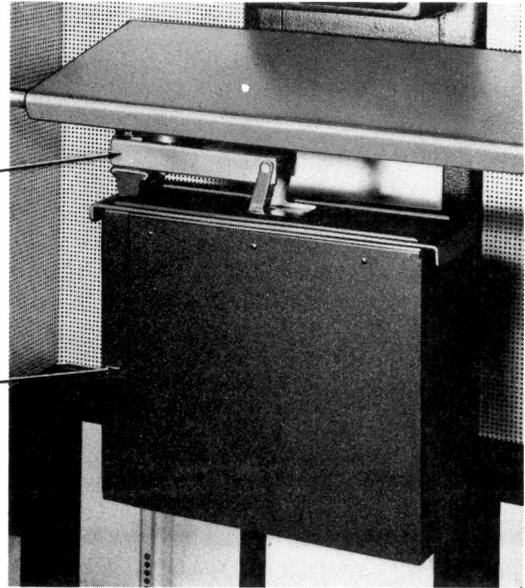


Fig. 9—KS-20030, List 13 Directory Hanger Mounted on KS-20842, List 32 Housing (Walk-In)

3.15 Using No. 25 drill, drill the hole marked on the front cross rail.

3.16 Using a No. 17 drill, drill the holes marked on the rear cross rail.

3.17 Install KS-19267, List 14 mounting bracket and secure with one No. 8-32 by 7/16 RHM screw, one No. 8-32 by 7/16 RH self-tapping screw, and three No. 10-32 by 1/2 RH self-tapping screws. Screws are furnished with mounting bracket.

3.18 If subset was removed in paragraph 3.10, perform following operations:

- (1) Place flange of KS-19267, List 15 subset mounting bracket (Fig. 22) on edge of right-hand curved column and secure to List 14 mounting bracket using two No. 8-32 by 5/16 RHM screws, two No. 8 lockwashers, and two No. 8-32 hex nuts (Fig. 23). Hardware is furnished with List 15 bracket.

(2) Install subset on mounting bracket.

3.19 Install writing shelf per Fig. 19

3.20 Install List 1 or List 2 directory hanger to shelf assembly.

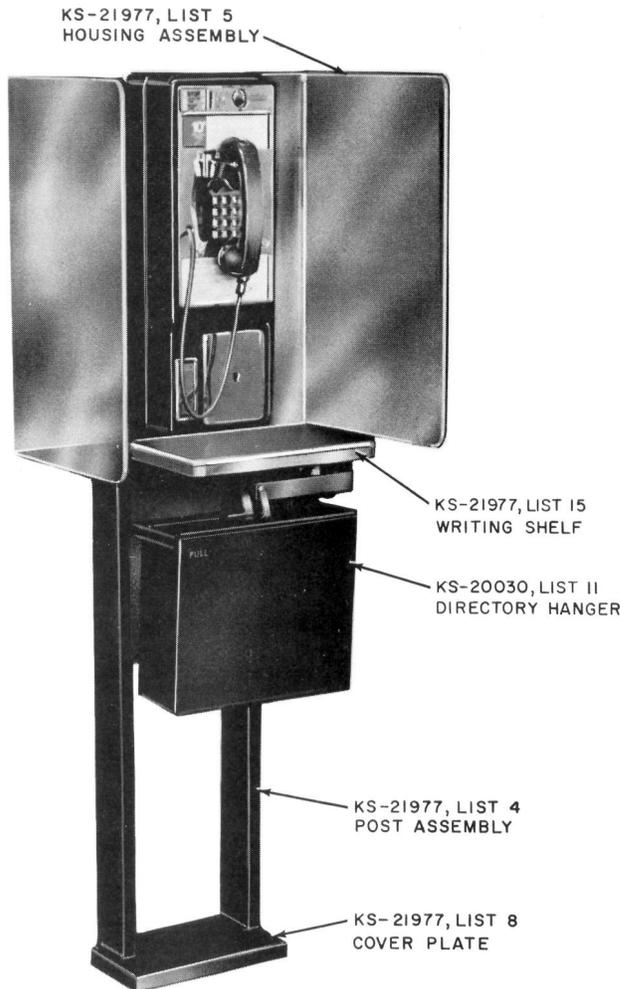


Fig. 10—KS-20030, List 11 Directory Hanger Mounted on a KS-21977, List 1 Post Mounting

KS-20842 TELEPHONE MOUNTINGS (KS-20030 DIRECTORY HANGERS)

A. KS-20842, List 30 Shelf

3.21 Install a KS-20030, List 10 directory hanger on a KS-20842, List 30 shelf per Fig. 24.

B. KS-20842, List 31 Housing (Walk-Up)

3.22 Install a KS-20030, List 10 directory hanger on a KS-20842, List 31 housing per Fig. 25.

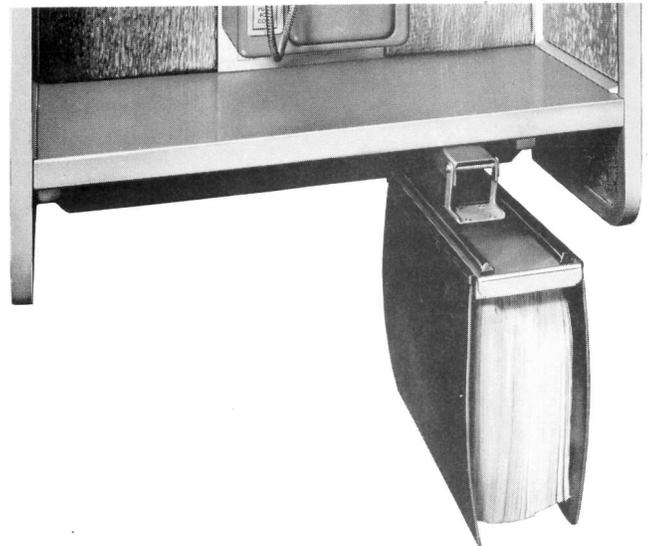


Fig. 11—KS-20030, List 1 Directory Hanger Rotated 90°

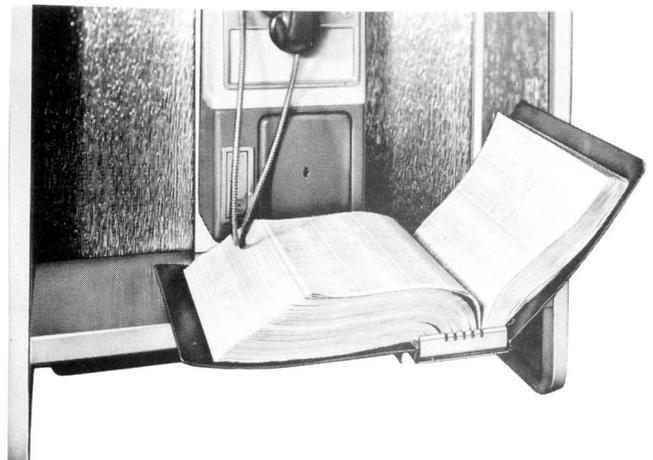


Fig. 12—KS-20030, List 1 Directory Hanger in Reading Position

C. KS-20842, List 32 Housing (Walk-In)

3.23 Secure the List 11, 12, or 13 directory hanger to the housing using a No. 10-32 by 3/8-inch Phillips RHM screws furnished with hanger.

Note: Install directories in hangers using same method shown in Section 508-710-101. There are 5 rods in each KS-20030 hanger.

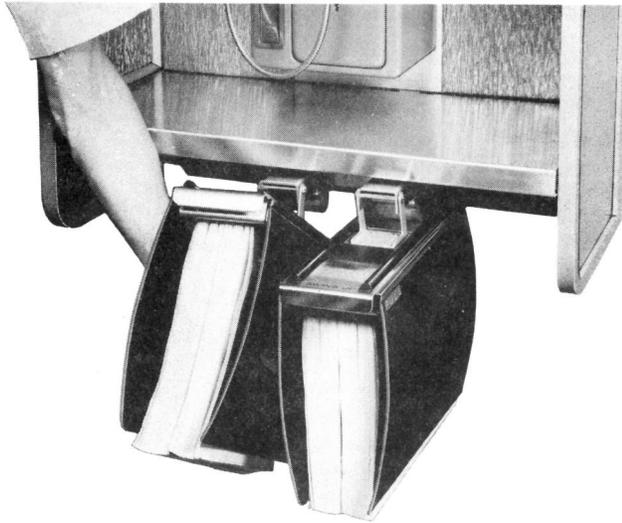


Fig. 13—KS-20030, List 2 Directory Hanger Rotated 90°

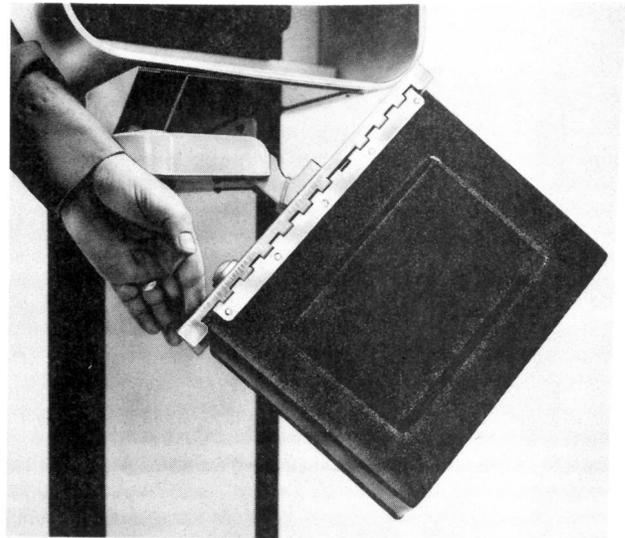


Fig. 15—KS-21435 Directory Facility Mounted on A KS-20842, List 31 Housing

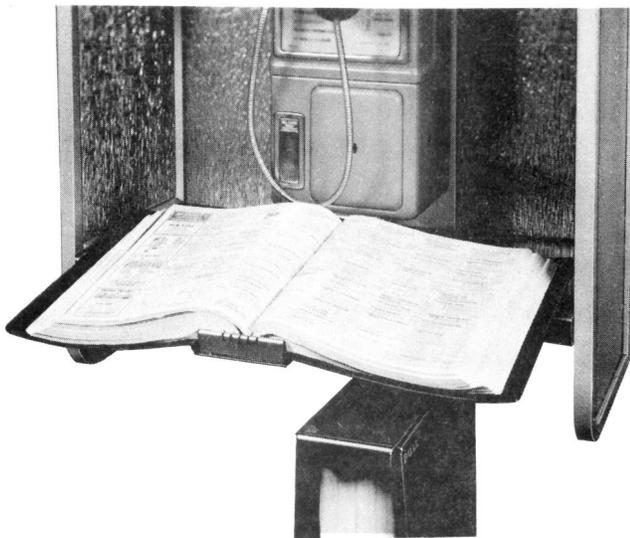


Fig. 14—KS-20030, List 2 Directory Hanger in Reading Position

KS-21435 DIRECTORY FACILITY

Note: Use hardware provided with each facility to fasten it to the housing or shelf.

3.24 Refer to Table B for use of each facility.

3.25 Support rods (5), furnished as KS-21435, List 11 are installed in the upper part of the binder as shown in Fig. 26. Rod is then snapped into place at the other end as shown in Fig. 27.

3.26 Rod cannot be removed by hand. Twist rod with long-nosed pliers releases the rod from the detent. Pull rod upward for removal (Fig. 28).

4. MAINTENANCE

4.01 Maintenance of the KS-20030 directory hangers consists of replacing broken or damaged parts and lubricating bearings with KS-19589 lubricant. Refer to Fig. 1 and 2 for replacement parts.

4.02 Directory covers for the KS-21435, List 10 can be replaced in the field. Remove the hinge pin as shown in (Fig. 29) and replace the cover.

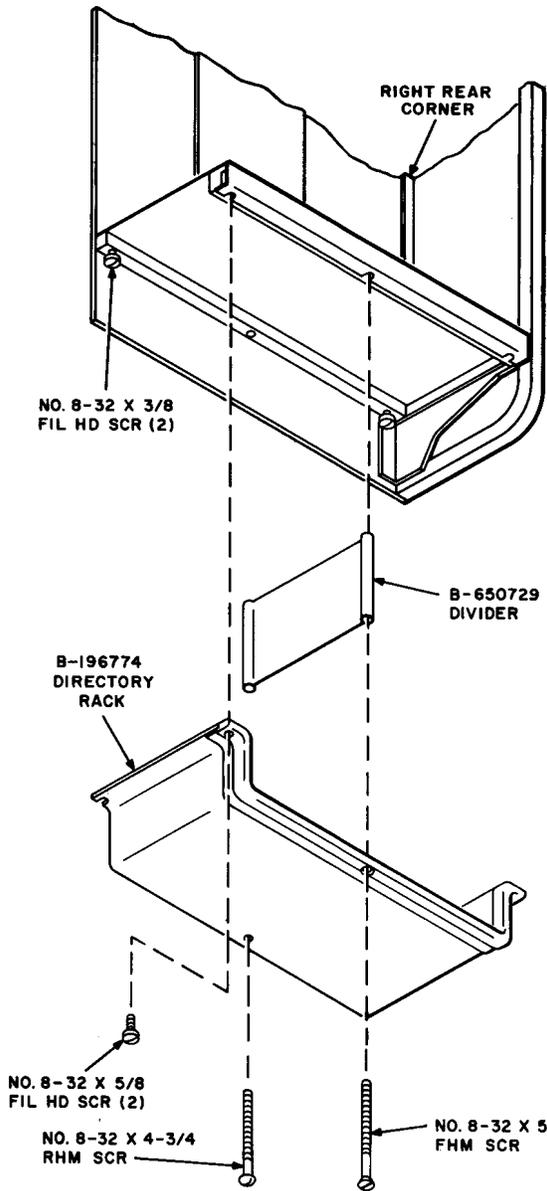


Fig. 16—Assembly of KS-19267, List 11 Directory Rack

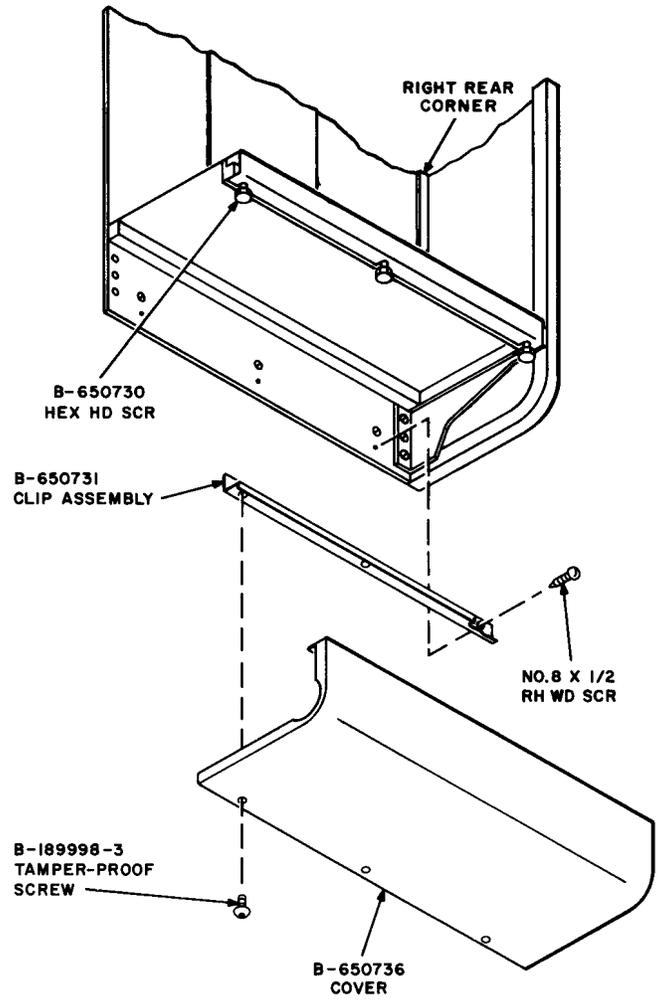
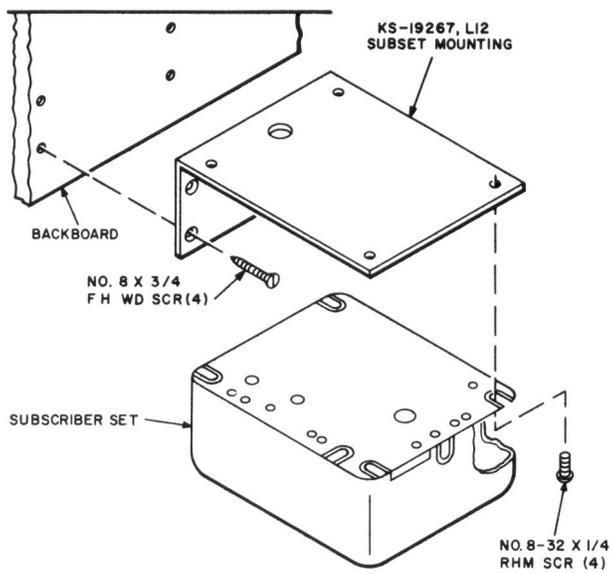
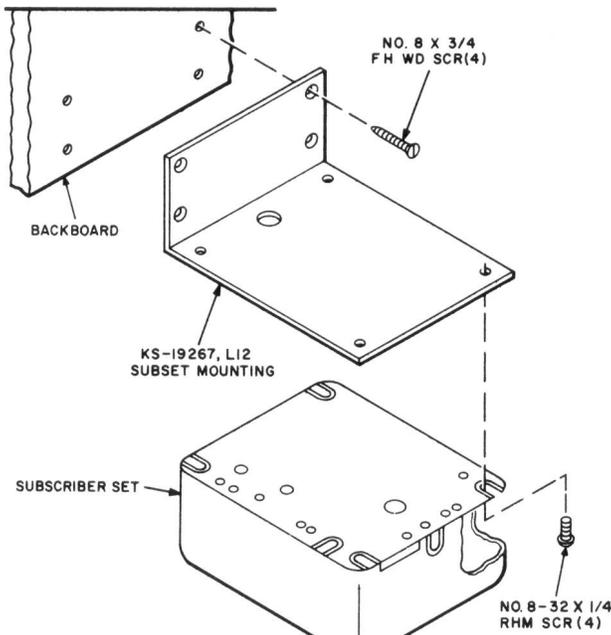


Fig. 17—Assembly of KS-19267, List 13 Cover Assembly



A
METHOD FOR MOUNTING
WITHOUT DIRECTORY RACK



B
METHOD FOR MOUNTING
WITH DIRECTORY RACK

Fig. 18—Assembly of KS-19267, List 12 Subset Mounting Bracket

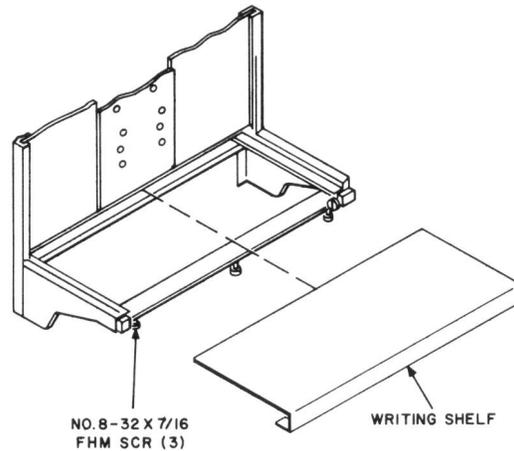


Fig. 19—Assembly of Writing Shelf on KS-19267 Shelf

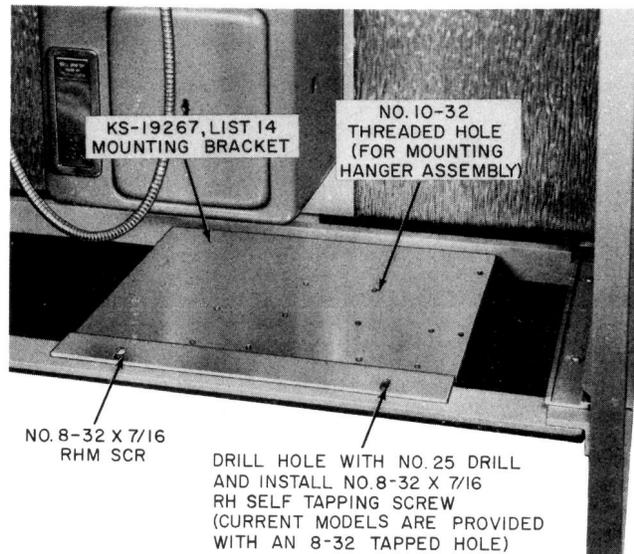


Fig. 20—Locating KS-19267, List 14 Mounting Bracket

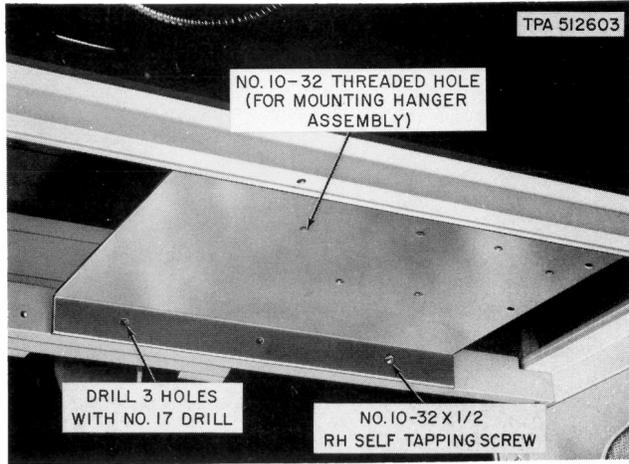


Fig. 21—Installation of KS-19267, List 14 Mounting Bracket

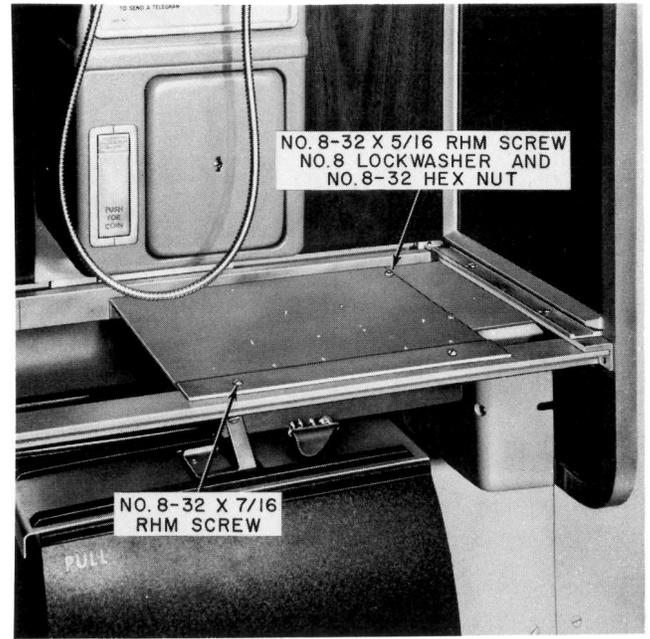


Fig. 23—Installation of KS-19267, List 15 Subset Mounting Bracket

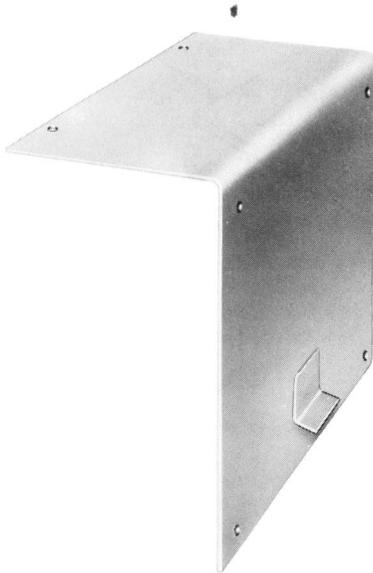


Fig. 22—KS-19267, List 15 Subset Mounting Bracket

TABLE B

KS-21435 DIRECTORY FACILITY

LIST NO.	DESCRIPTION	USED WITH	FIG. REF.
1†	Complete directory	KS-20482, List 31 Housing	15
2†	Complete directory	KS-20842, Lists 32, 33, 34, 35, and 35A Housing	—
3†	Complete directory	KS-20842, List 30 shelf	—
10	Directory cover	(See Note)	29
11	Five(5) support rods	(See Note)	26

Note: Replaceable components for the KS-21435, List 1, 2, and 3 directory facility.

† Will accept a directory up to 2-3/4 inches thick.

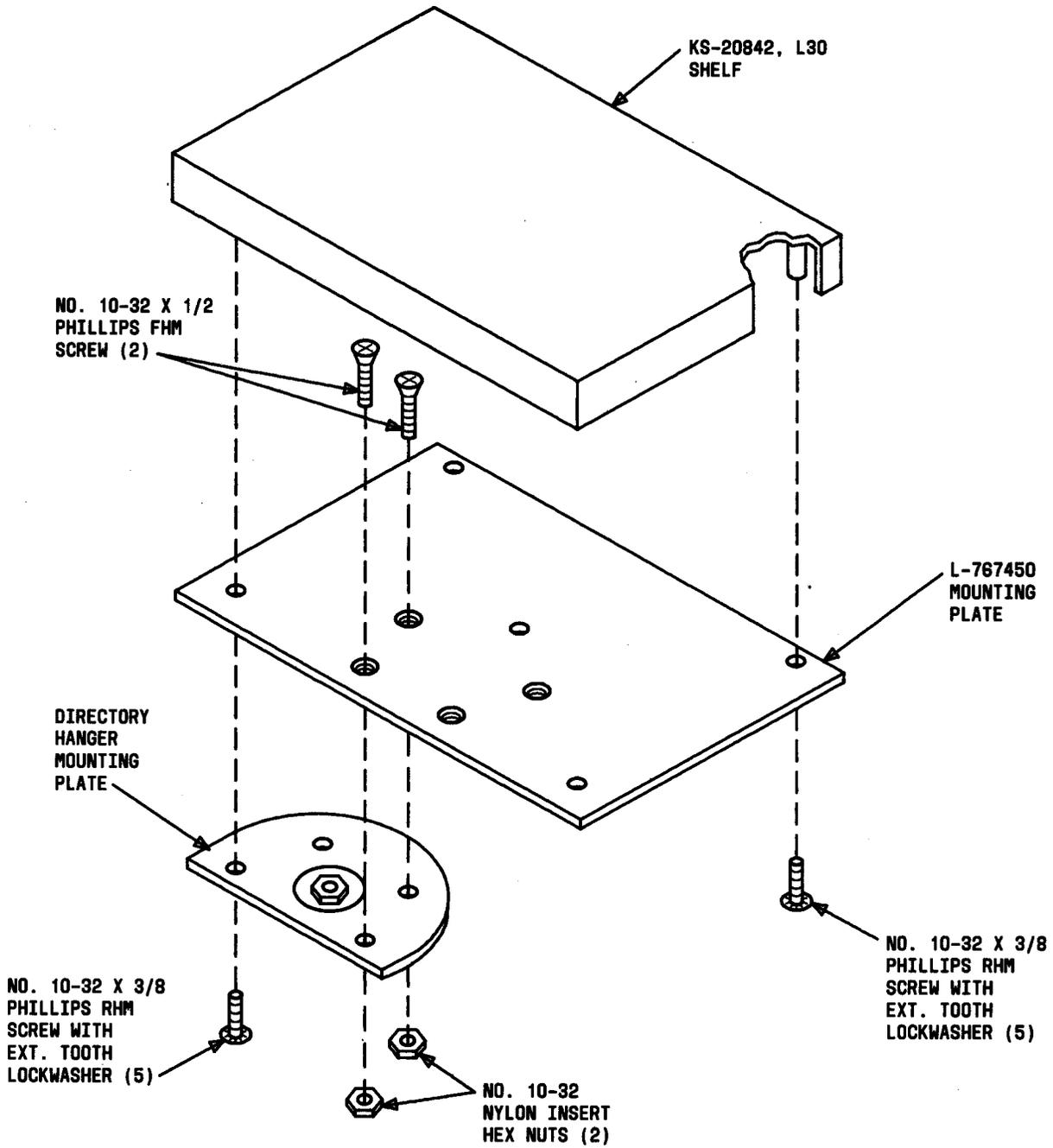


Fig. 24—Installing a KS-20030, List 10 Directory Hanger to a KS-20842, List 30 Shelf

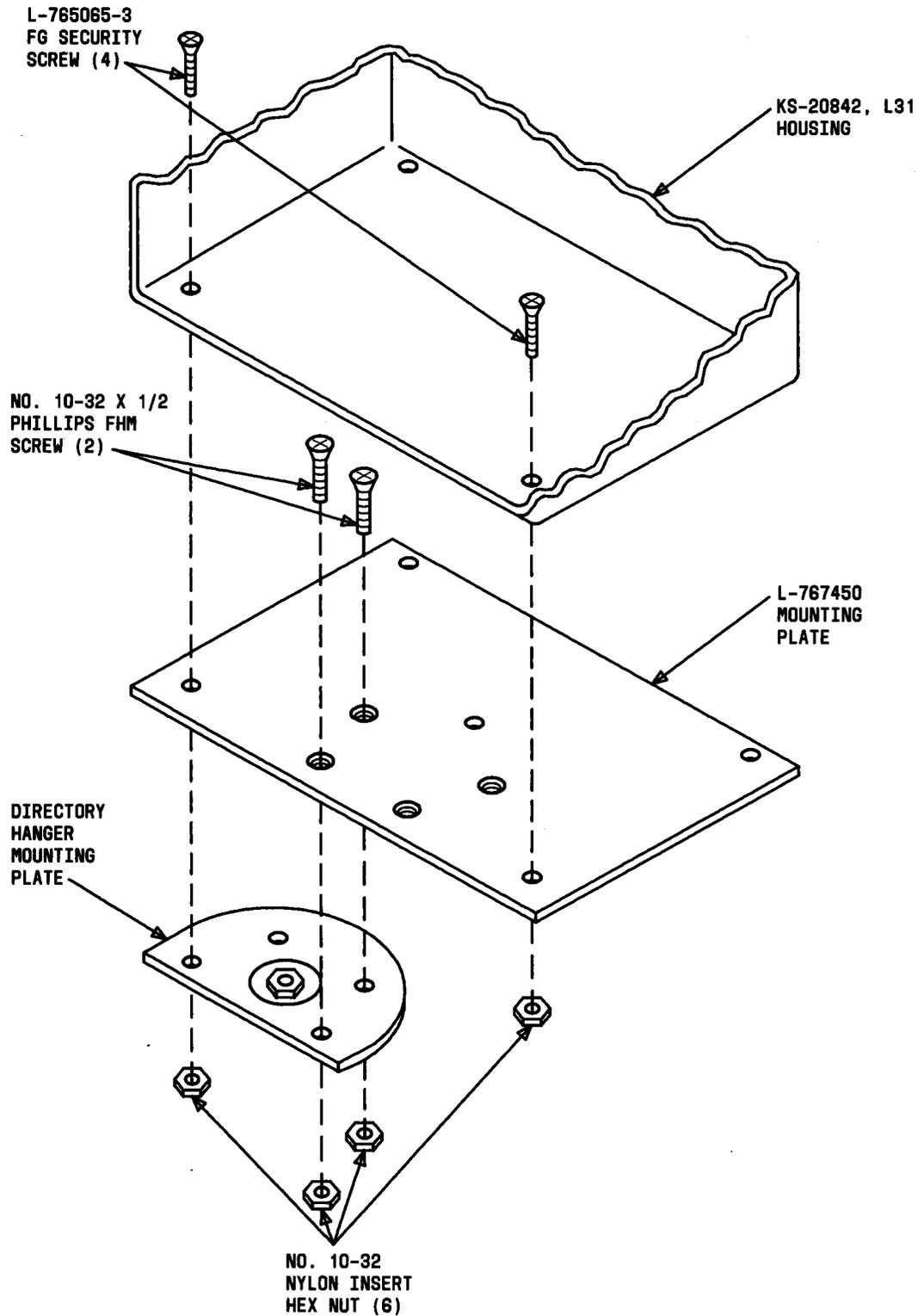


Fig. 25—Installing a KS-20030, List 10 Directory Hanger to a KS-20842, List 31 Housing

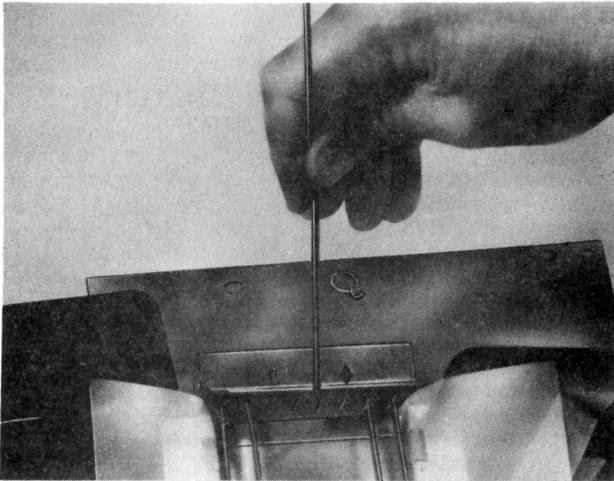


Fig. 26—▶Installing KS-21435, List 11 Support Rod◀

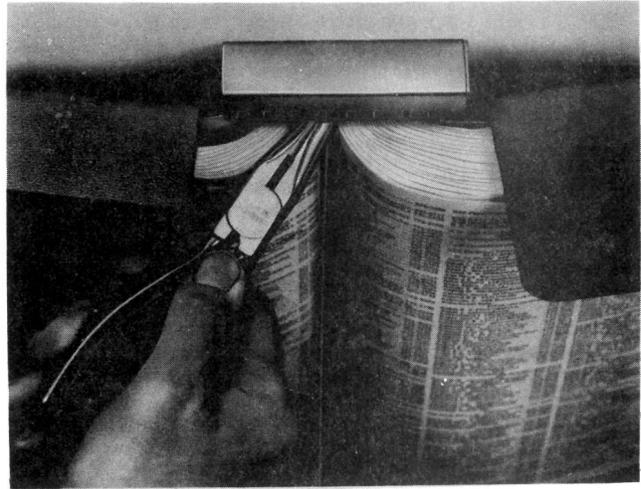


Fig. 28—▶Removing KS-21435, List 11 Support Rod◀

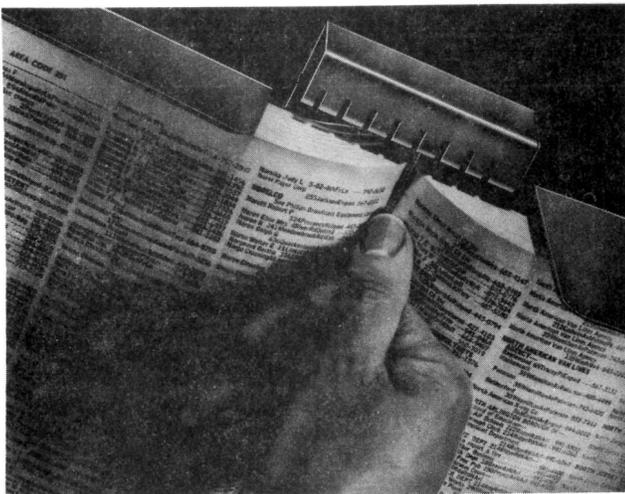


Fig. 27—▶KS-21435, List 11 Support Rod in Place◀

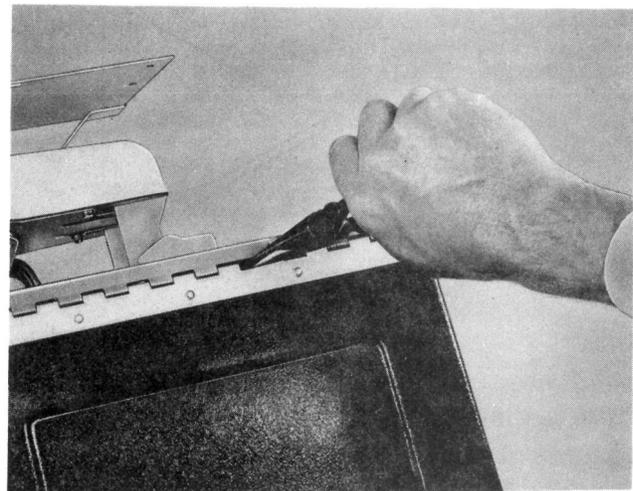


Fig. 29—▶Removing Hinge Pin From KS-21435, List 10 Directory Cover◀