

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 public telephone enclosures. The KS-21435 directory facility (Fig. 3) is a universal (hanger) primarily designed for use with KS-20842 SENTRY* public telephone enclosures.

1.02 This section is reissued to delete all information related to multislot coin collectors. Since this reissue is a general revision, no revision arrows have been used to denote significant changes.

2. IDENTIFICATION

A. KS-20030 Directory Hangers

2.01 Various list numbers are assigned to the hangers as described in Table A. Table A also indicates the usage of each hanger.

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).

B. KS-21435 Directory Facilities

2.06 Various list numbers are assigned to the facilities as described in Table B. Table B also indicates the usage of each facility.

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

2.08 The facility supports the directory with pages down. It is mounted below and parallel to the front edge of the shelf.

2.09 The directory is automatically returned to storage position after use.

C. Ordering Information

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

3. INSTALLATION

A. KS-20030 Directory Hangers

3.01 Unless otherwise specified, use No. 10-32 by 3/8 Phillips roundhead machine screws (furnished with hangers) to secure the hangers to shelves.

3.02 Current models of booths and shelves listed in Table A are equipped with writing shelves designed to accept these hangers; however, it will be necessary to modify some older model enclosures before they can accept these hangers. Modify these older enclosures as directed in paragraphs 3.03 through 3.05.

B. KS-14611 and KS-19580 Booths

3.03 The KS-20030, List 1 and List 2 hangers are designed for these booths, provided each booth is equipped with a KS-19580, List 29 shelf assembly. If not, remove all existing shelf(s) and install a KS-19580, List 29 shelf assembly using existing hardware.

C. KS-16797 and KS-19425 Booths

3.04 The KS-20030, List 3 hanger is designed for these booths, provided each booth is equipped

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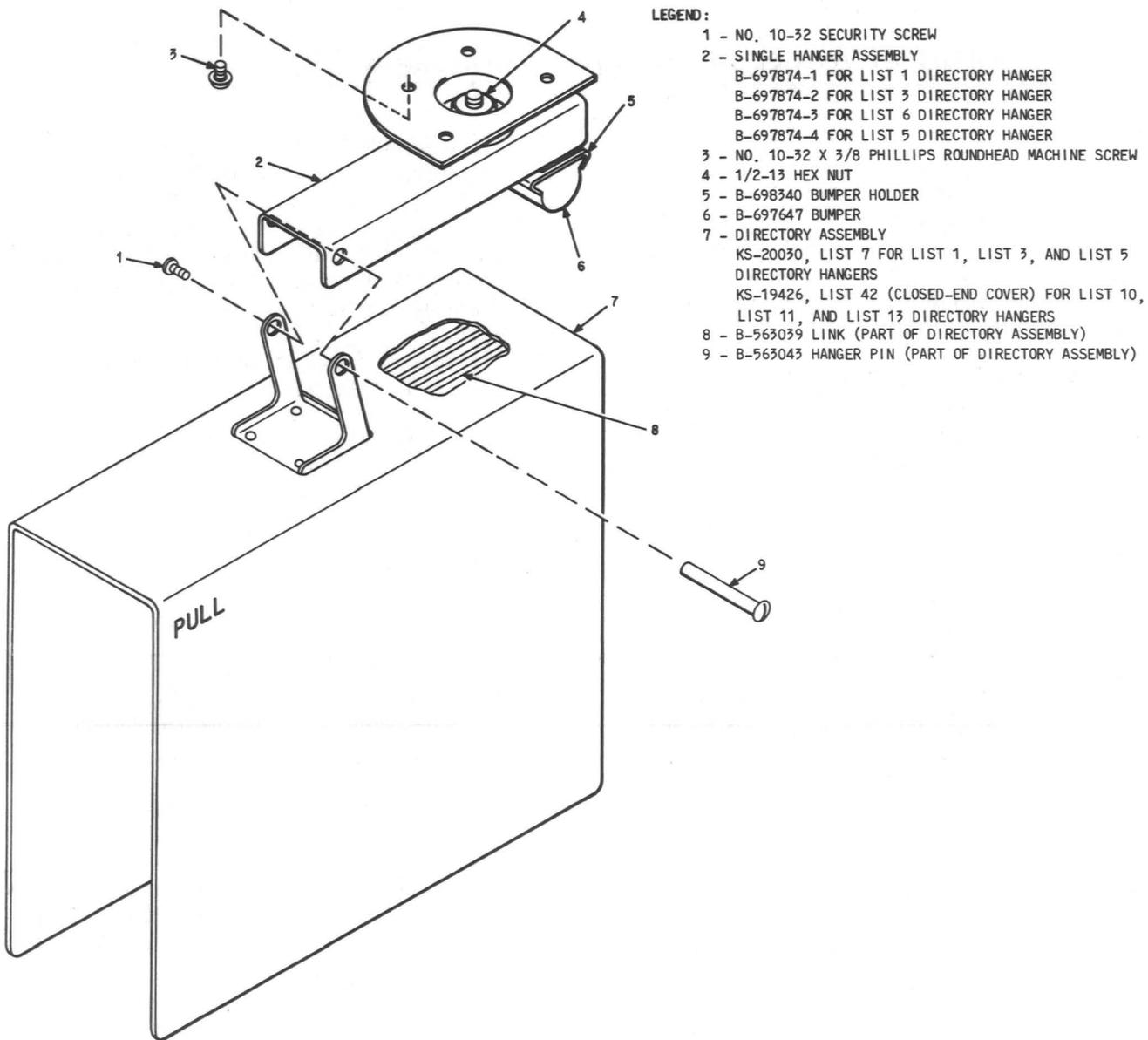


Fig. 1—KS-20030 Directory Hanger (Typical for Single Binder)

with a KS-19425, List 27 shelf assembly. If not, remove all existing shelf(s) and install a KS-19425, List 27 shelf assembly using existing hardware.

D. KS-19267 Shelf

3.05 Some KS-19267 shelves are equipped with a KS-19267, List 11 directory rack (Fig. 16) and some are equipped with a KS-19267, List 13 cover

assembly (Fig. 17). If a KS-20030, List 1 or List 2 is desired, perform the following procedures:

- (1) Remove the KS-19267, List 11 directory rack or KS-19267, List 13 cover assembly.
- (2) Remove the writing shelf from frame per Fig. 18.

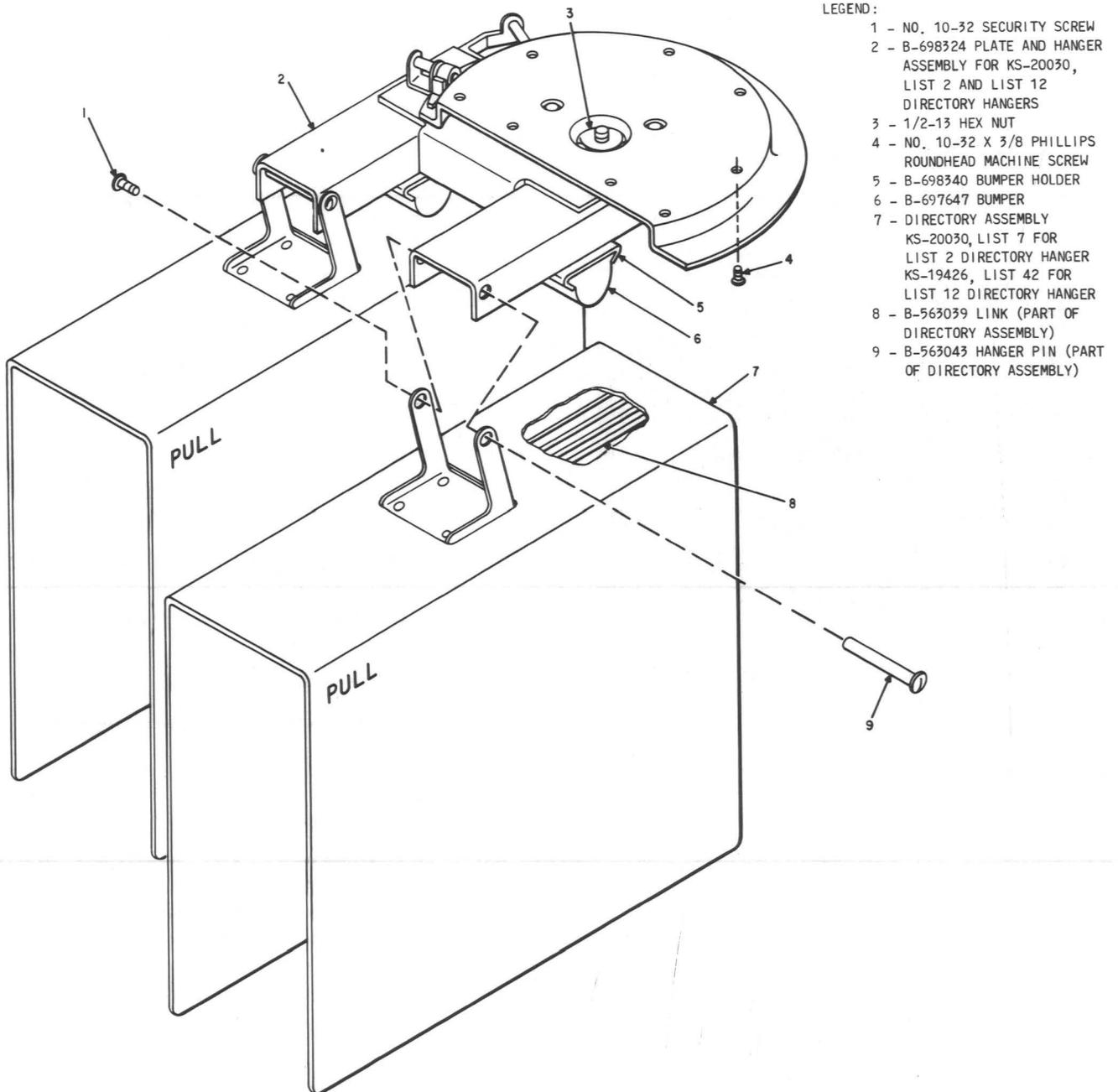


Fig. 2—KS-20030 Directory Hanger (Typical for Double Binder)

(3) Mount KS-19267, List 14 mounting bracket (Fig. 19) temporarily and secure it at the front with one No. 8-32 by 7/16 roundhead machine screw.

(4) Using the mounting bracket as a template, mark the location for drilling three holes on the rear-cross rail (Fig. 20).

(5) Remove the screw and mounting bracket.

(6) Using a No. 17 drill bit, drill the three holes marked on the rear-cross rail.

(7) Install the KS-19267, List 14 mounting bracket and secure it with two No. 8-32 by 7/16 round-

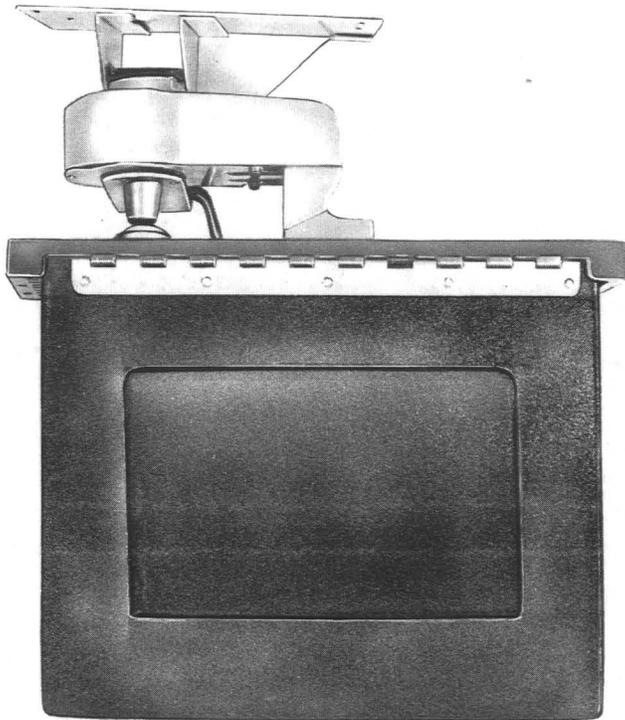


Fig. 3—KS-21435 Directory Facility

head machine screws and three No. 10-32 by 1/2 roundhead self-tapping screws. Screws are furnished with mounting bracket.

- (8) Install the writing shelf per Fig. 18.
- (9) Install a KS-20030, List 1 or List 2 directory hanger to the List 14 mounting bracket.

- 3.06 Install a KS-20030, List 10 directory hanger on a KS-20842, List 30 shelf as shown in Fig. 21.
- 3.07 Install a KS-20030, List 10 directory hanger on a KS-20842, List 31 housing as shown in Fig. 22.
- 3.08 Install Ks-20030, List 11, List 12, or List 13 directory hanger on a KS-20842, List 32, List 33, List 34, List 35, or List 35A housing using No. 10-32 by 3/8 Phillips roundhead machine screws furnished with hanger.
- 3.09 Install directories in hangers using the five directory rods furnished with each hanger.

E. KS-21435 Directory Facility

- 3.10 Use hardware provided with each facility to fasten it to the housing or shelf.
- 3.11 Refer to Table B for use of each facility.
- 3.12 Five KS-21435, List 11 support rods are furnished with each facility. Install each support rod as shown in Fig. 23 and 24.
- 3.13 To remove support rods, refer to Fig. 25 and use long-nosed pliers.

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. 26) and replace the cover.

TABLE A

KS-20030 DIRECTORY HANGERS

LIST NUMBER	DESCRIPTION	DIRECTION OF ROTATION	DEGREE OF ROTATION	USED WITH	FIGURE REFERENCE
1	Single open-end binder (will accept a directory up to 3-3/4 inches thick)	Counterclockwise	90°	KS-19267 Shelf KS-14611 Booth KS-19580 Booth KS-21716 Booth KS-22665 Enclosure	4
2	Two single open-end binders (each will accept a directory up to 3-3/4 inches thick)			5	
3	Single open-end binder (will accept a directory up to 3-3/4 inches thick)	Clockwise	60°	KS-16797 Booth KS-19425 Booth KS-20255 Booth KS-20630 Booth	6
5				KS-20194, List 1 Shelf KS-20194, List 3 Shelf KS-20194, List 5 Shelf KS-21571, Shelf	7
6		Counterclockwise	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, List 42 closed-end cover plus a separate mounting plate	Clockwise	90°	KS-20842, List 30 Shelf KS-20842, List 31 Housing KS-20842, List 31A Housing	8
11	Same as List 1 except with KS-19426, List 42 closed-end cover	Counterclockwise		KS-20842, Lists 32, 33, 34, 35, and 35A Housing KS-21977, List 1 Mounting KS-22642 Enclosure KS-22665 Enclosure	10
12	Same as List 2 except with two KS-19426, List 42 closed-end covers			KS-20842, Lists 32, 33, 34, 35, and 35A Housing KS-22642 Enclosure KS-22665 Enclosure	—
13	Same as List 10 except without the separate mounting plate	Clockwise		KS-20842, Lists 32, 33, 34, 35, and 35A Housing KS-20255 Booth KS-22642 Enclosure	9



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

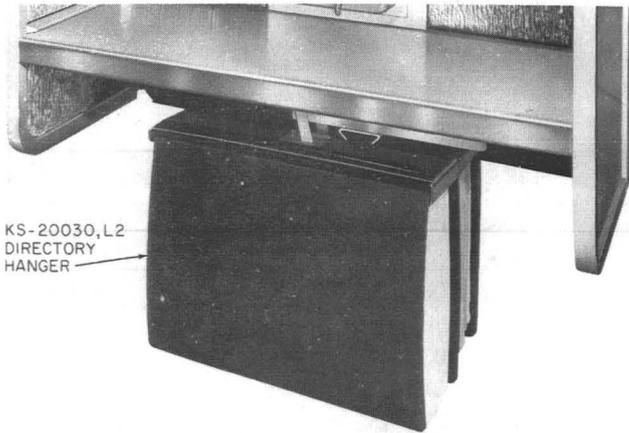


Fig. 5—KS-20030, List 2 Directory Hanger Mounted on KS-19267 Shelf

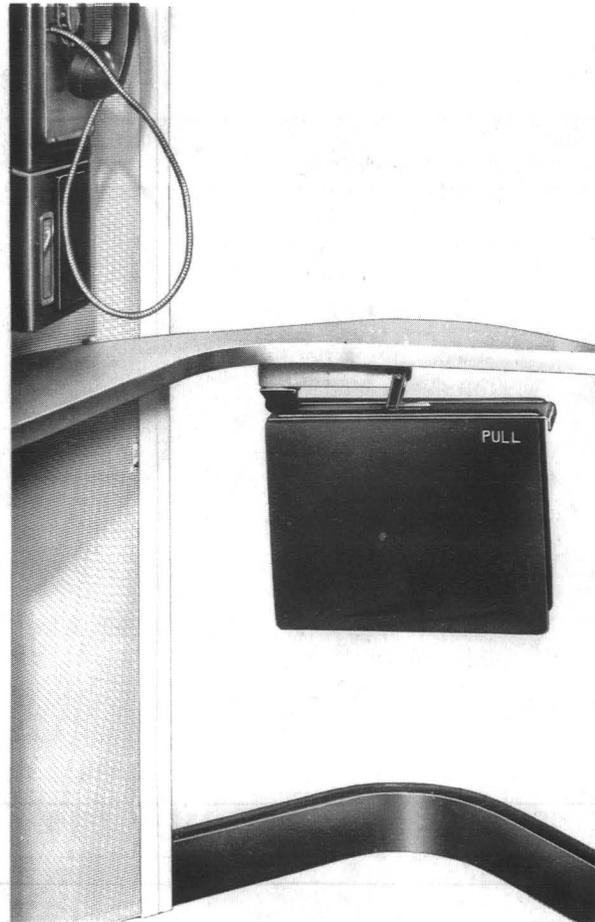


Fig. 6—KS-20030, List 3 Directory Hanger in KS-20255 Telephone Kiosk

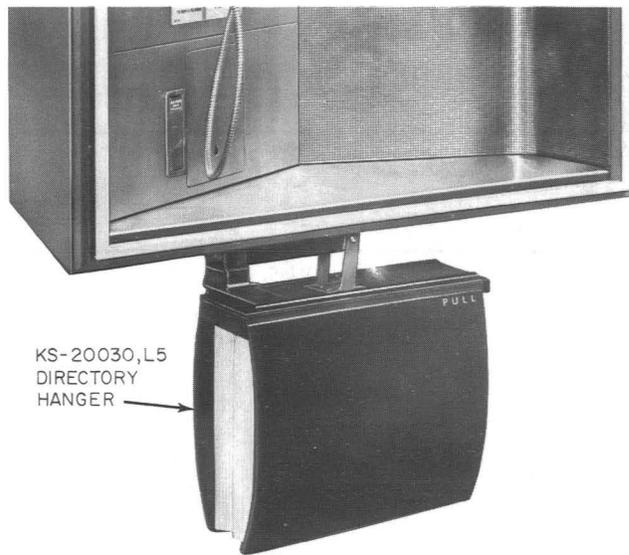


Fig. 7—KS-20030, List 5 Directory Hanger Mounted on KS-20194 Shelf

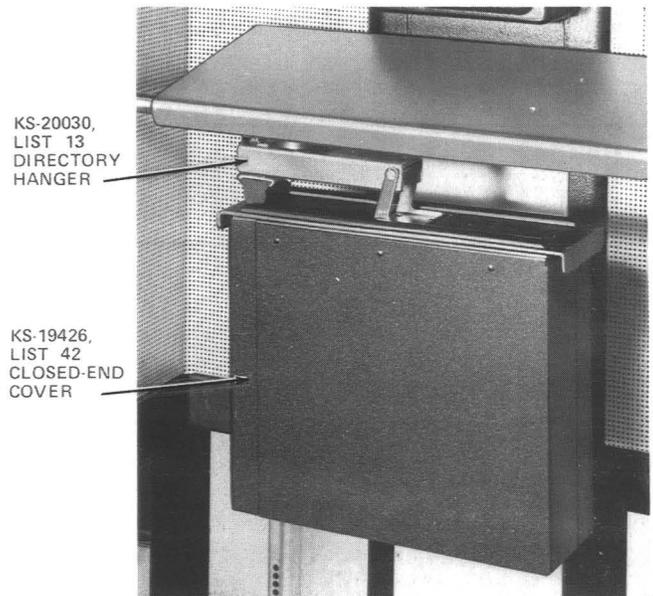


Fig. 9—KS-20030, List 13 Directory Hanger Mounted on KS-20842, List 32 Housing (Walk-in)

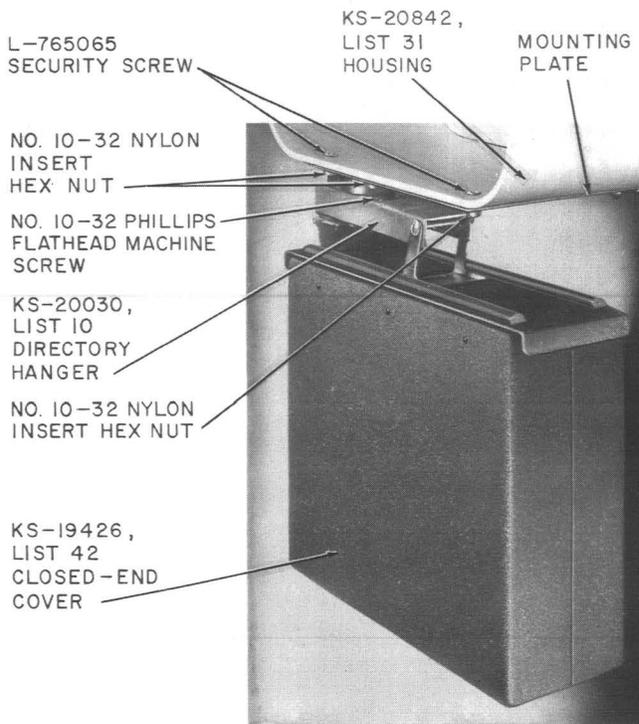


Fig. 8—KS-20030, List 10 Directory Hanger Mounted on KS-20842, List 31 Housing (Walk-up)

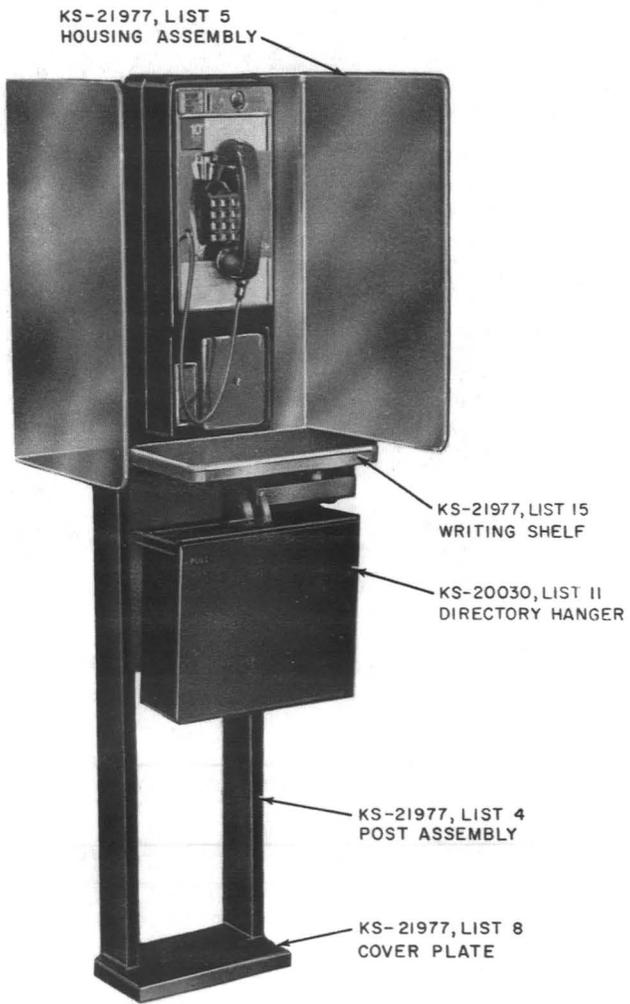


Fig. 10—KS-20030, List 11 Directory Hanger Mounted on a KS-21977, List 1 Post Mounting

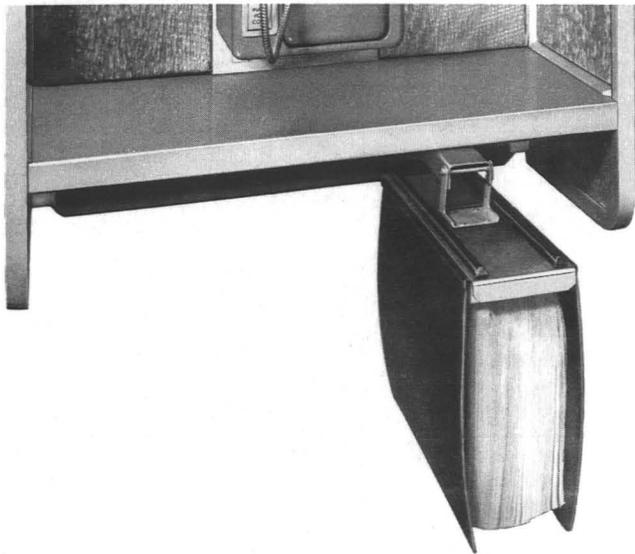


Fig. 11—KS-20030, List 1 Directory Hanger Rotated 90°

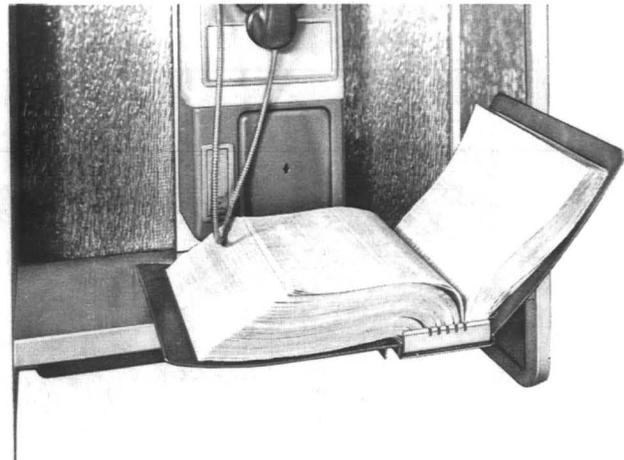


Fig. 12—KS-20030, List 1 Directory Hanger in Reading Position

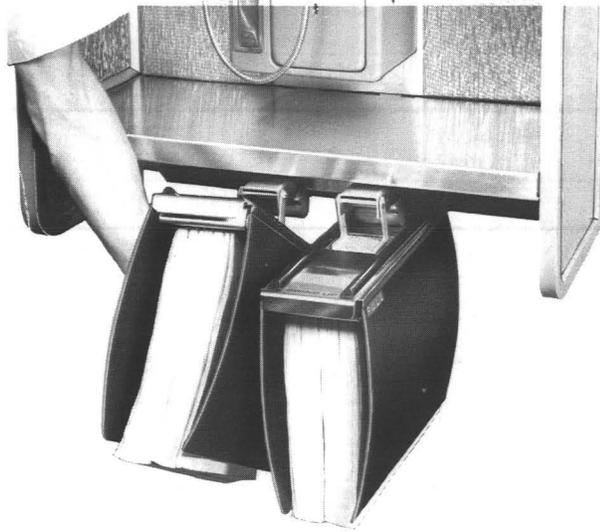


Fig. 13—KS-20030, List 2 Directory Hanger Rotated 90°

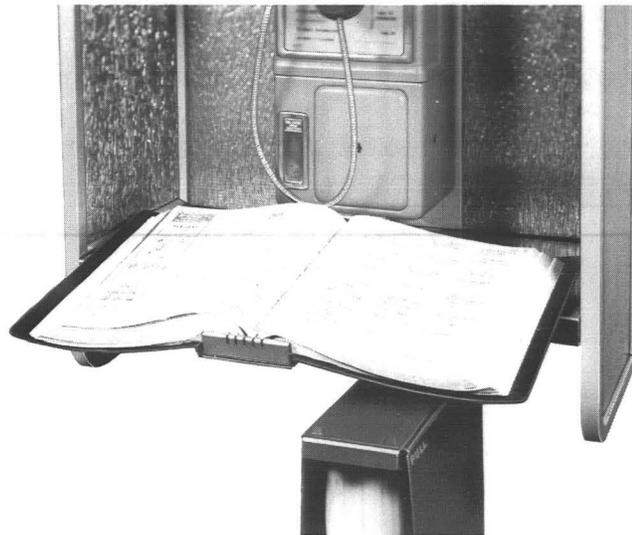


Fig. 14—KS-20030, List 2 Directory Hanger in Reading Position

TABLE B

KS-21435 DIRECTORY FACILITY

LIST NUMBER	DESCRIPTION	USED WITH	FIGURE REFERENCE
1*	Complete directory	KS-20482, List 31 or List 31A 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	†	26
11	Five support rods	†	23

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

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

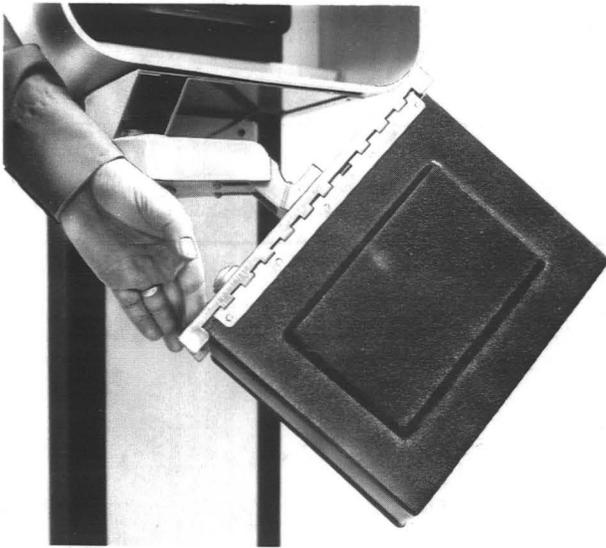


Fig. 15—KS-21435 Directory Facility Mounted on a KS-20842, List 31 Housing

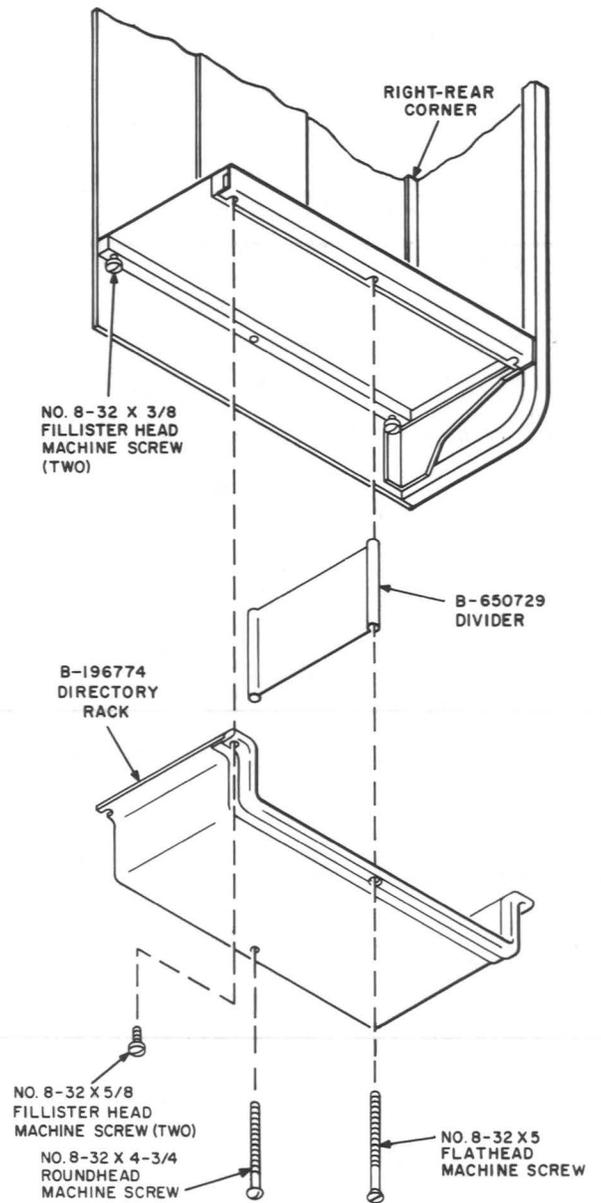


Fig. 16—Assembly of KS-19267, List 11 Directory Rack

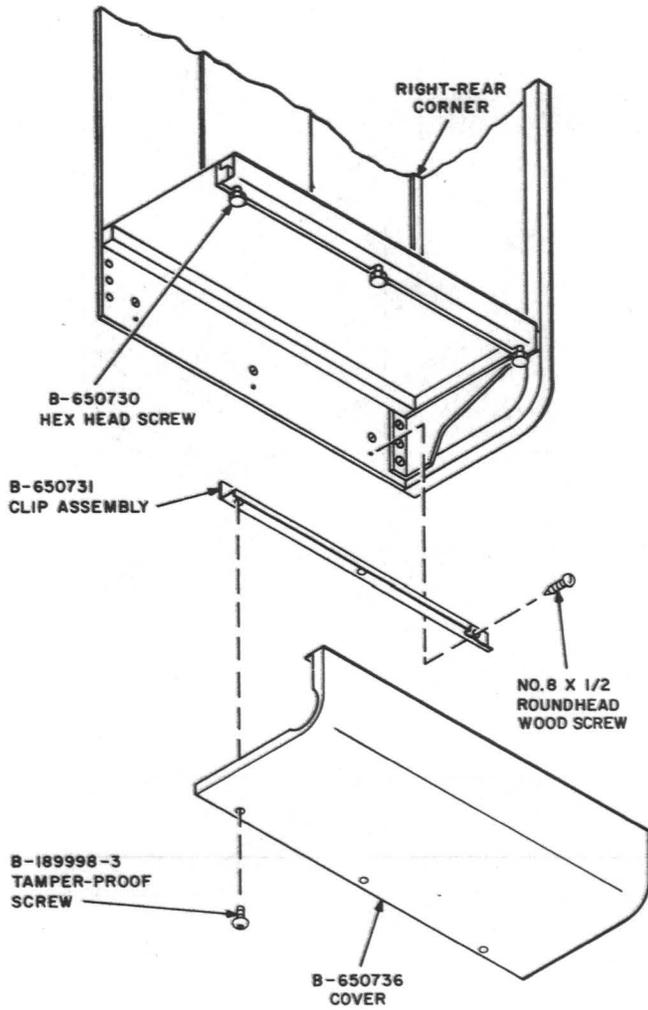


Fig. 17—Assembly of KS-19267, List 13 Cover Assembly

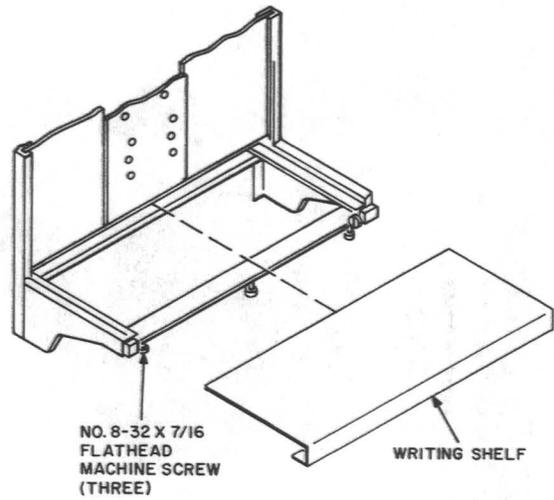


Fig. 18—Assembly of Writing Shelf on KS-19267 Shelf

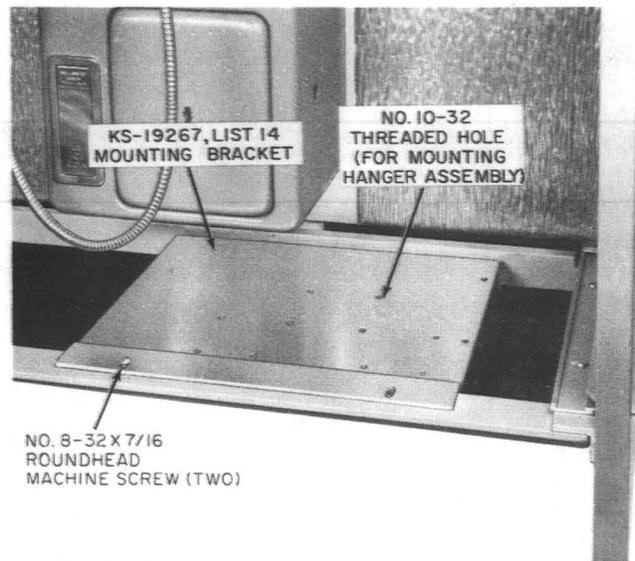


Fig. 19—Locating KS-19267, List 14 Mounting Bracket

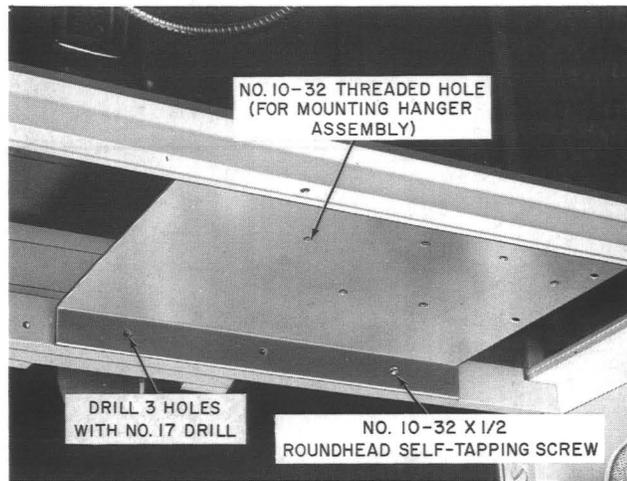


Fig. 20—Installation of KS-19267, List 14 Mounting Bracket

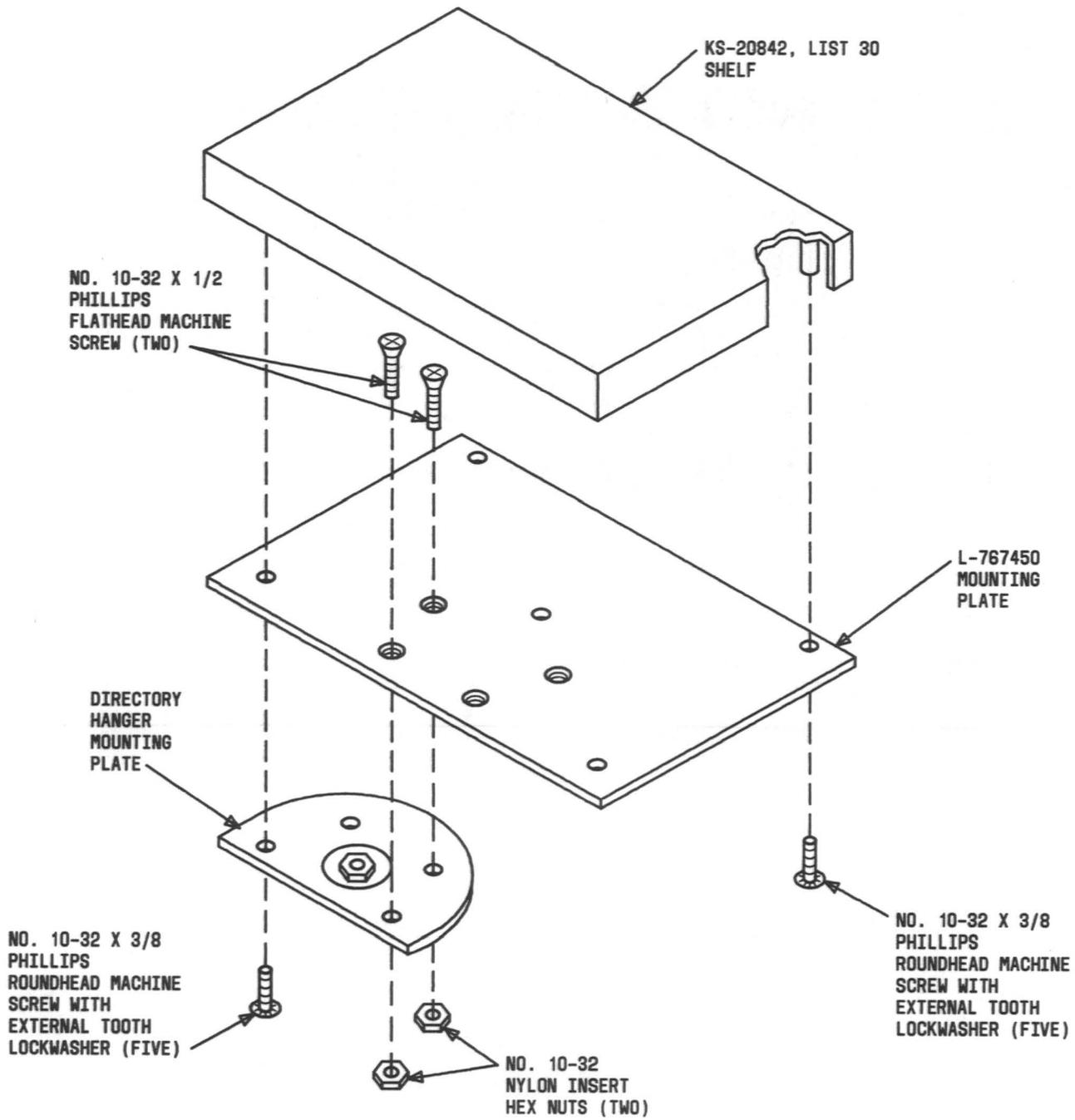


Fig. 21—Installing a KS-20030, List 10 Directory Hanger to a KS-20842, List 30 Shelf

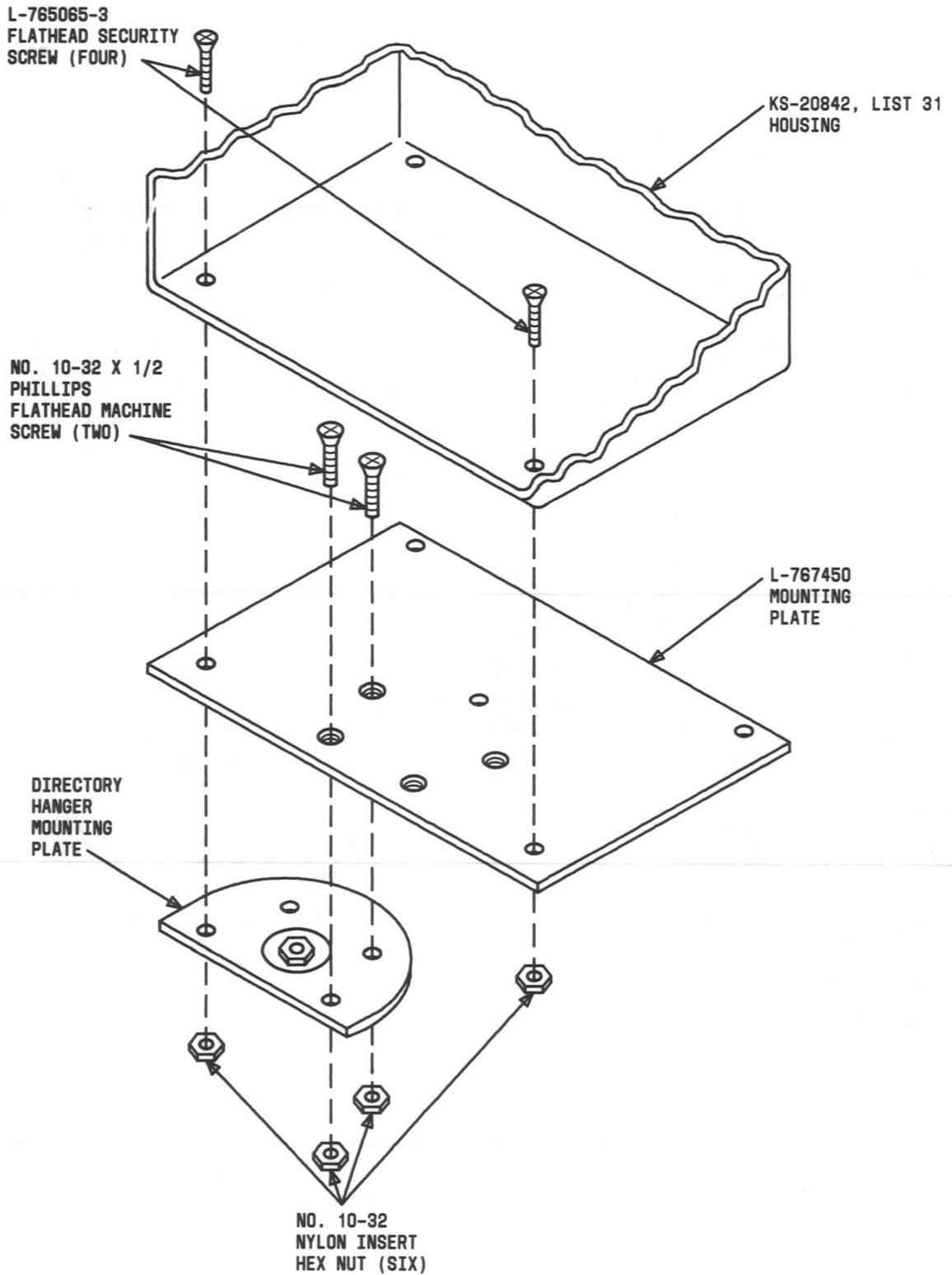


Fig. 22—Installing a KS-20030, List 10 Directory Hanger to a KS-20842, List 31 Housing

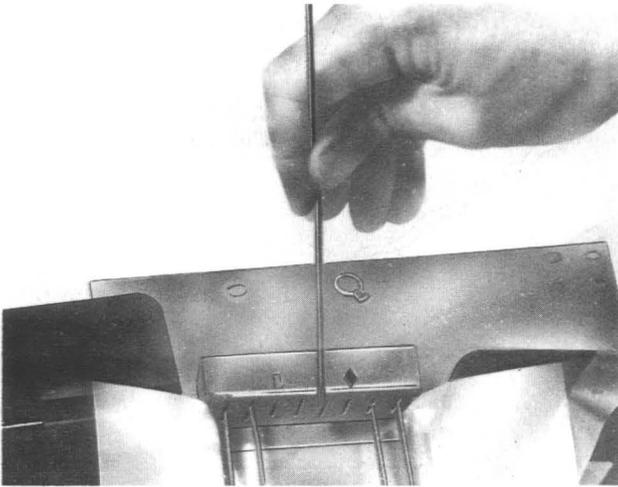


Fig. 23—Installing KS-21435, List 11 Support Rod

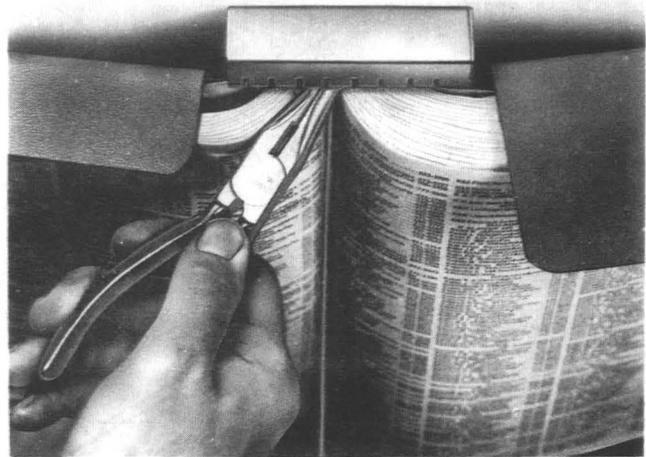


Fig. 25—Removing KS-21435, List 11 Support Rod

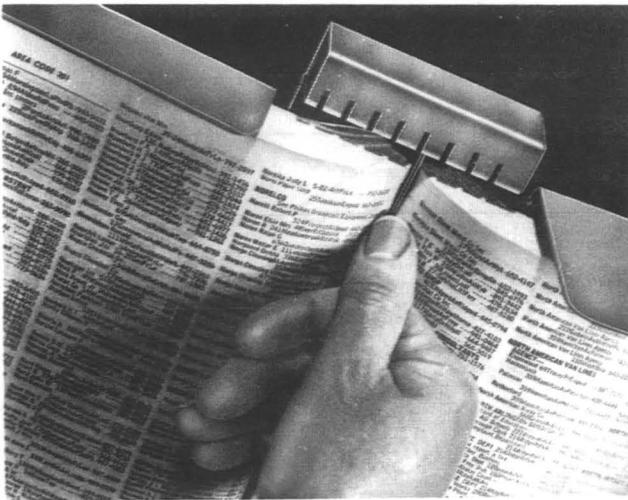


Fig. 24—KS-21435, List 11 Support Rod in Place

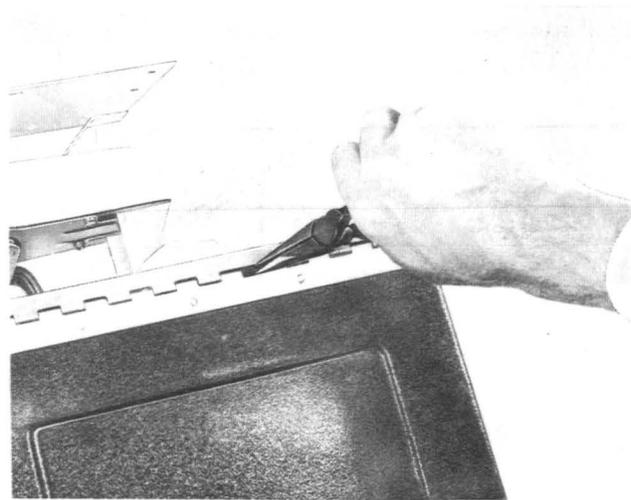


Fig. 26—Removing Hinge Pin From KS-21435, List 10 Directory Cover