

## KS-20030 DIRECTORY HANGERS

### IDENTIFICATION, INSTALLATION, AND MAINTENANCE

#### 1. GENERAL

**1.01** This section is reissued to revise installation procedure for KS-19267, List 14 mounting bracket (Fig. 15 and 16).

**1.02** The KS-20030 directory hangers (Fig. 1 and 2) are universal hangers designed for use with various coin telephone booths and shelves.

**1.03** It is intended that these hangers be used in protected or semiprotected locations.

#### 2. IDENTIFICATION

**2.01** List numbers have been assigned to the directory hangers as described in Table A.

**2.02** The 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. 3 through 6).

**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. 7 through 10).

#### ORDERING INFORMATION

**2.06** Orders shall specify the quantity, KS number, and list number.

#### 3. INSTALLATION

**Note:** No. 10-32 by 3/8 SEMS 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 but early models must be modified as follows:

##### *KS-14611 and KS-19580 Booths*

**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.

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

##### *KS-16797 and KS-19425 Booths*

**3.06** Repeat 3.03.

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

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

##### *KS-19267 Shelf*

**3.09** Remove the KS-19267, List 11 directory rack per Fig. 11 or the KS-19267, List 13 cover assembly per Fig. 12.

**3.10** If present, remove subset and subset mounting bracket per Fig. 13.

**3.11** Remove writing shelf from frame of shelf assembly per Fig. 14.

**3.12** Mount KS-19267, List 14 mounting bracket (Fig. 15) temporarily and secure it at the left front with one No. 8-32 by 7/16 RHM screw.

**3.13** Using the mounting bracket as a template, mark the location for drilling a second hole

♦ TABLE A ♦

## KS-20030 DIRECTORY HANGERS

LIST NO.	DESCRIPTION	DIRECTION OF ROTATION	DEGREE OF ROTATION	USED WITH	FIG. REF
1	Single Binder — will accept a directory up to 4 inches thick	Counter-clockwise	90°	KS-19267 Shelf	3
2	Two Single Binders— each will accept a directory up to 4 inches thick			KS-14611 Booth KS-19580 Booth	4
3	Same as List 1	Clockwise		KS-16797 Booth KS-19425 Booth KS-20255 Booth	5
5			60°	KS-20194, List 1 Shelf KS-20194, List 3 Shelf KS-20194, List 5 Shelf	6
6		Counter-clockwise		KS-20194, List 2 Shelf KS-20194, List 4 Shelf	Not Available
7	Directory Assembly — can be ordered as a replacement part	Not applicable	KS-20030, List 1 KS-20030, List 2 KS-20030, List 3	1 and 2	
8			KS-20030, List 5 KS-20030, List 6	1	

on the front cross rail and three holes (Fig. 16) on the rear cross rail.

**3.14** Remove the screw and mounting bracket.

**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. 7 10-32 by 1/2 RH self-tapping screws.♦ Screws are furnished with mounting bracket.

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

(1) Place flange of KS-19267, List 15 subset mounting bracket (Fig. 17) 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. 18). Hardware is furnished with List 15 bracket.

(2) Install subset on mounting bracket.

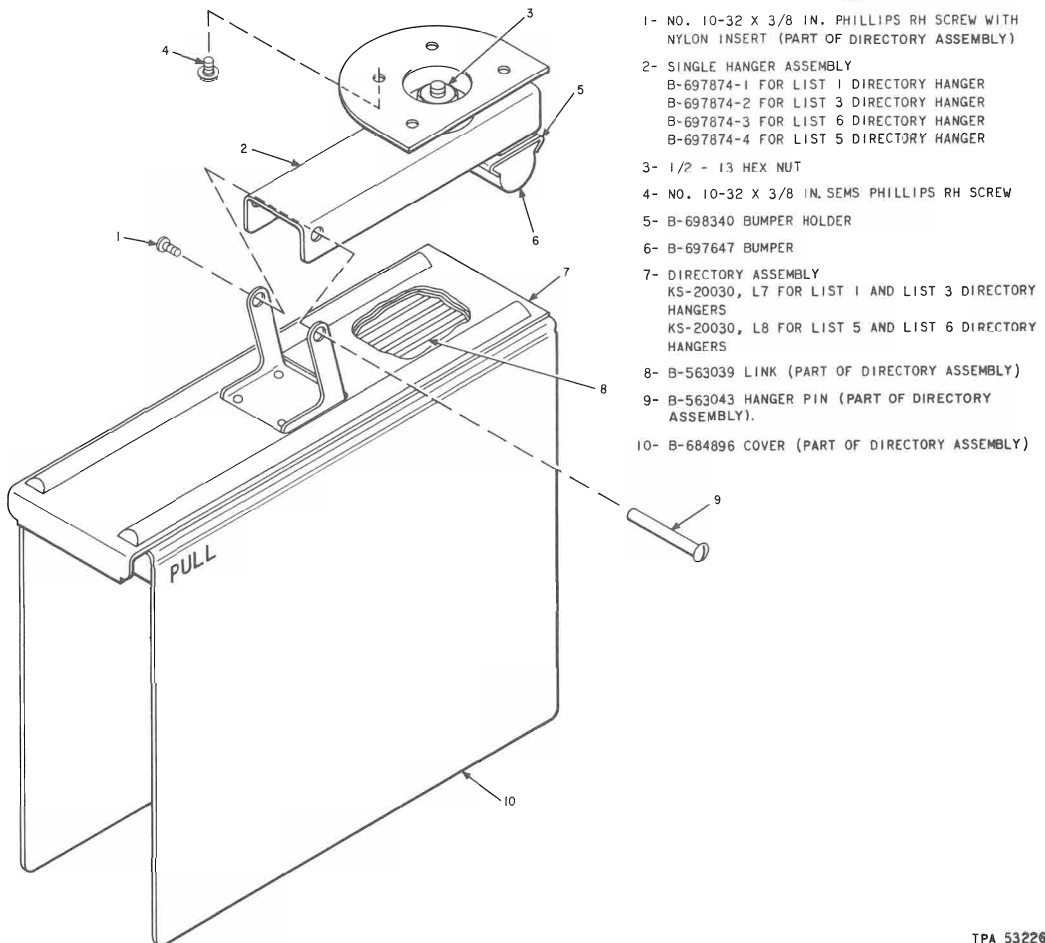
**3.19** Install writing shelf per Fig. 14.

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

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

#### 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.



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

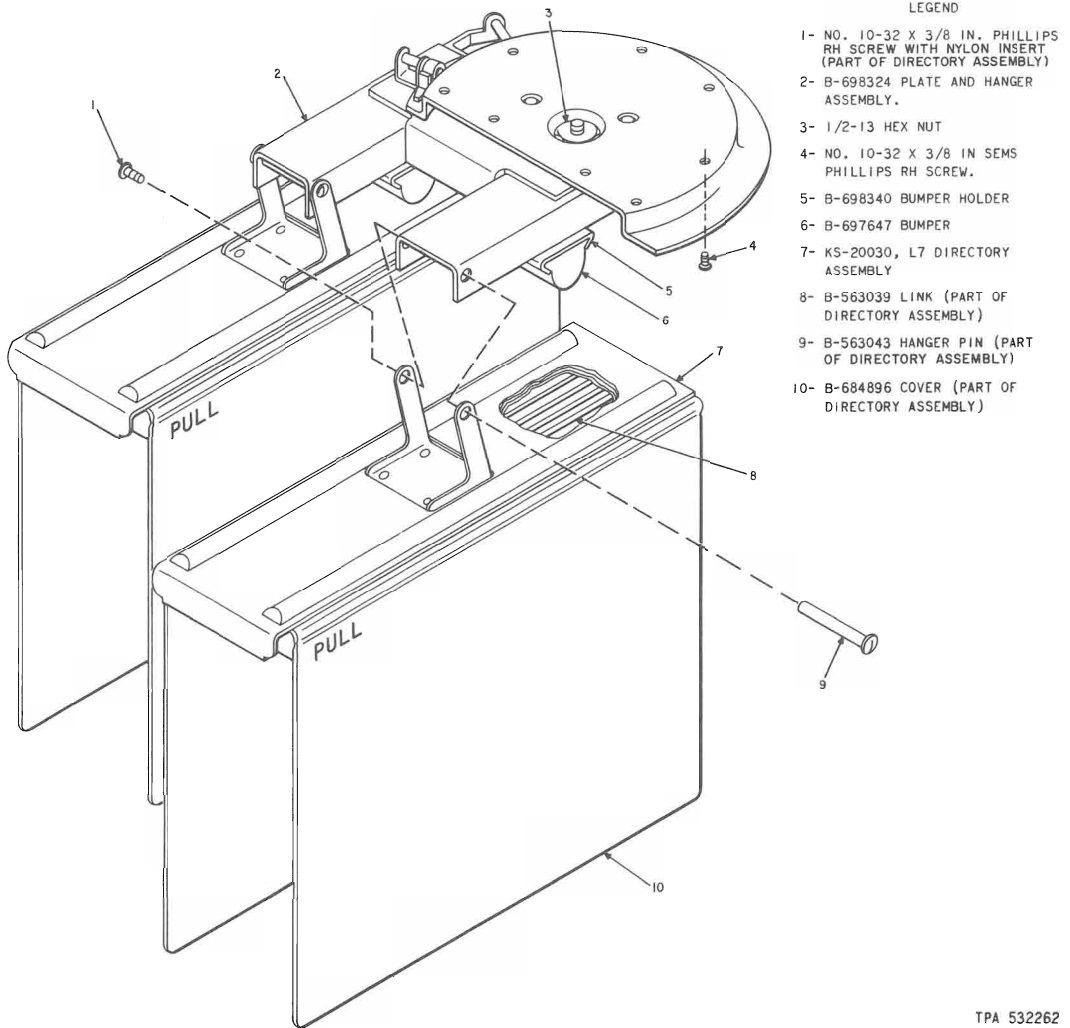
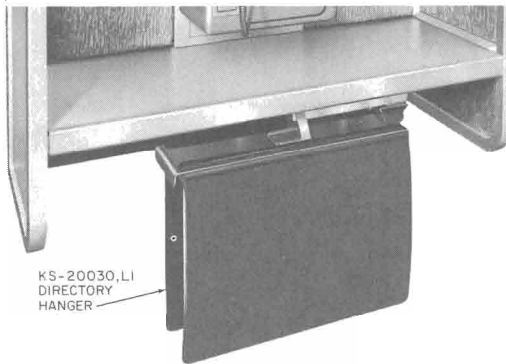
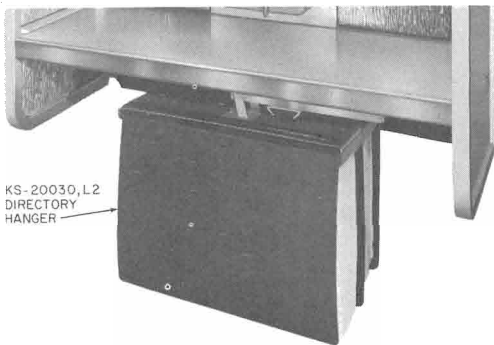


Fig. 2—KS-20030, List 2 Directory Hanger

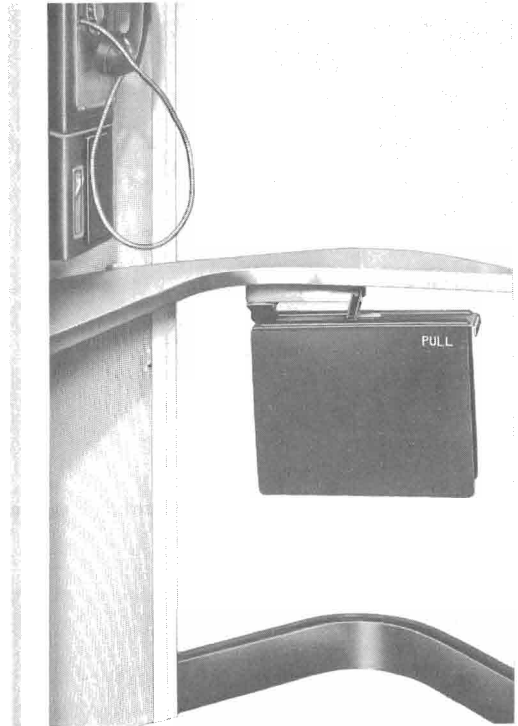
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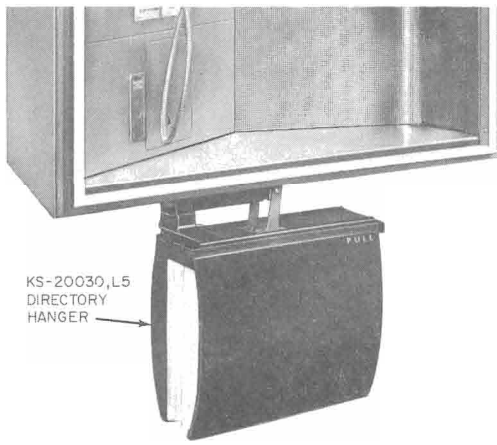
**Fig. 3—KS-20030, List 1 Directory Hanger Mounted on KS-19267 Shelf**



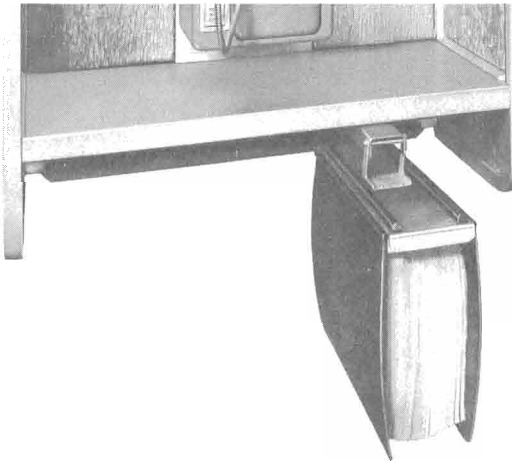
**Fig. 4—KS-20030, List 2 Directory Hanger Mounted on KS-19267 Shelf**



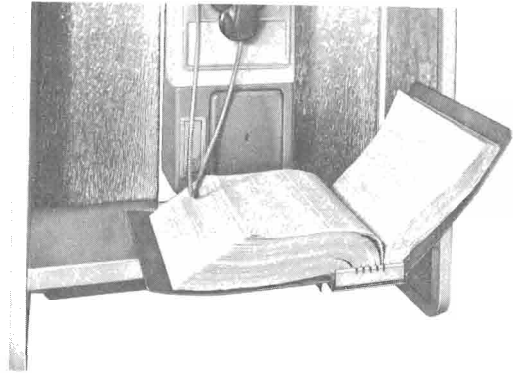
**Fig. 5—KS-20030, List 3 Directory Hanger in KS-20255 Telephone Kiosk**



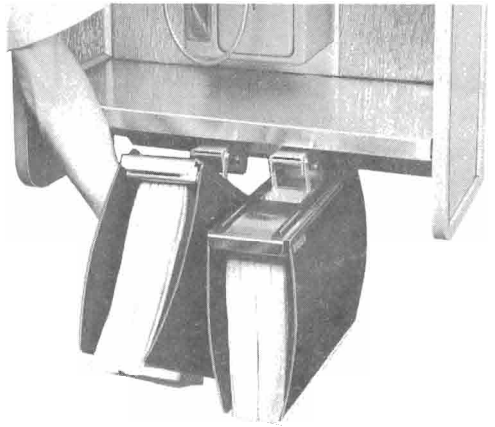
**Fig. 6—KS-20030, List 5 Directory Hanger Mounted on KS-20194 Shelf**



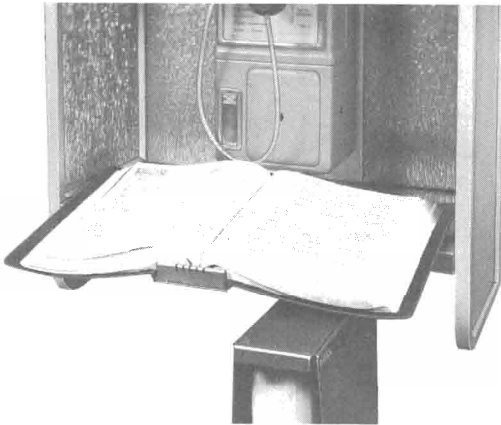
**Fig. 7—KS-20030, List 1 Directory Hanger Rotated 90°**



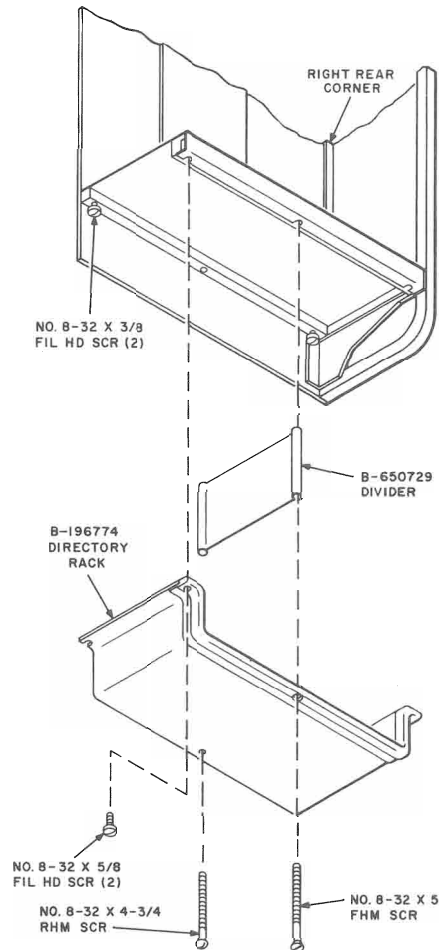
**Fig. 8—KS-20030, List 1 Directory Hanger in Reading Position**



**Fig. 9—KS-20030, List 2 Directory Hanger Rotated 90°**



**Fig. 10—KS-20030, List 2 Directory Hanger in Reading Position**



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

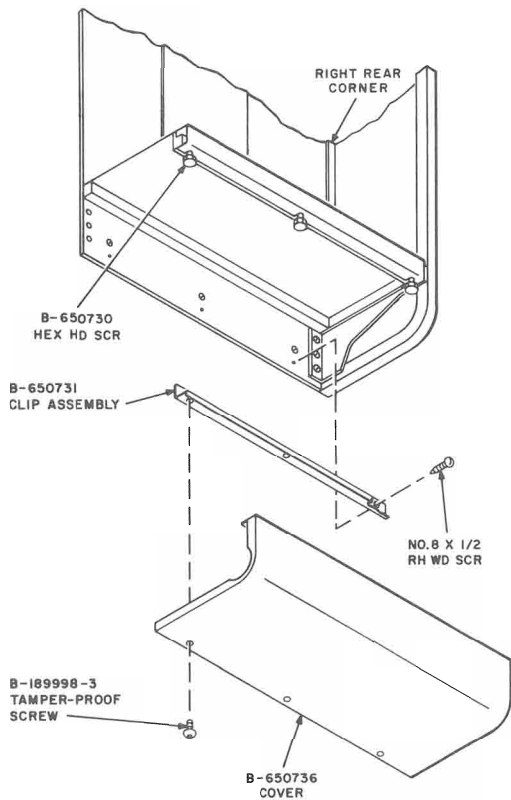
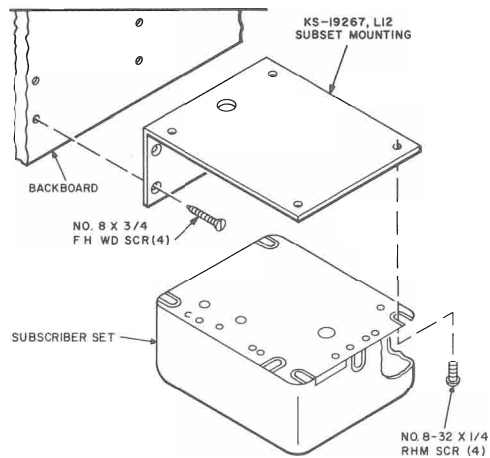
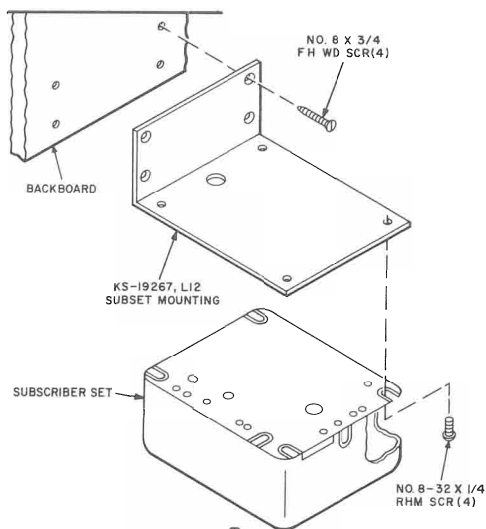


Fig. 12—Assembly of KS-19267, List 13 Cover Assembly



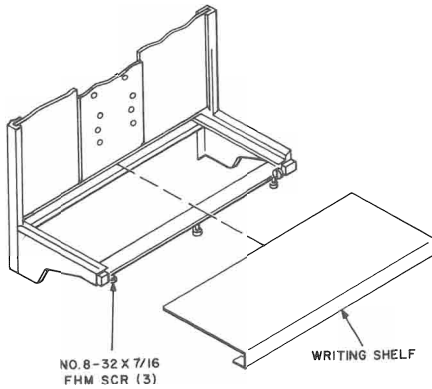
A  
METHOD FOR MOUNTING  
WITHOUT DIRECTORY RACK



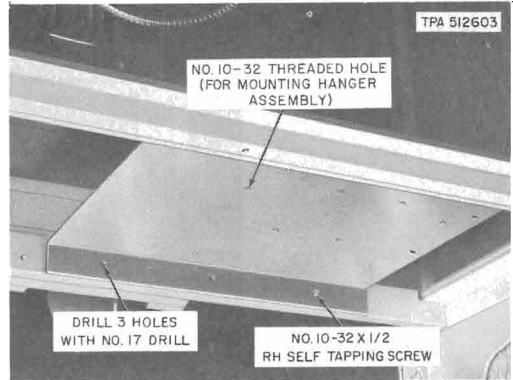
B  
METHOD FOR MOUNTING  
WITH DIRECTORY RACK

Fig. 13—Assembly of KS-19267, List 12 Subset Mounting Bracket





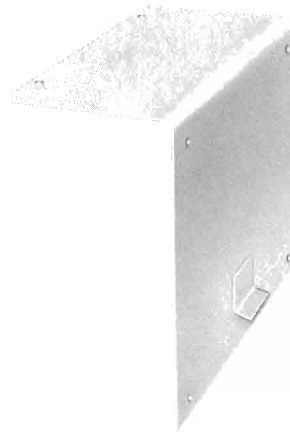
**Fig. 14—Assembly of Writing Shelf**



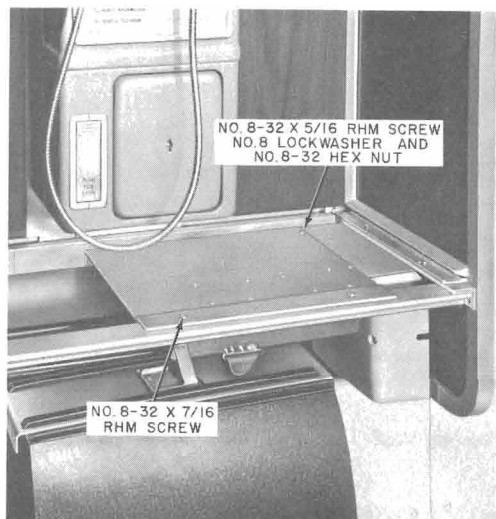
**Fig. 16—Installation of KS-19267, List 14 Mounting Bracket**



**Fig. 15—Locating KS-19267, List 14 Mounting Bracket**



**Fig. 17—KS-19267, List 15 Subset Mounting Bracket**



**Fig. 18—Installation of KS-19267, List 15 Subset Mounting Bracket**