

## ADAPTERS AND COVERS

### IDENTIFICATION AND INSTALLATION

#### 1. GENERAL

**1.01** This section describes the KS-20458, List 1, 3, 6, 8, 12, 13, 14, 16, 17, and 18 covers and the 152A adapter.

**1.02** This section is reissued to:

- Add information on KS-20458, List 16, 17, and 18 covers
- Rate KS-20458, List 15 cover manufacture discontinued (MD)
- Remove footnote reference from List 14 in Table A.

#### 2. IDENTIFICATION

**2.01** The adapters and covers covered in this section are used to facilitate connections between multibutton key telephone sets and the key telephone system cable runs.

**2.02** The KS-20458, List 12, 13, and 14 are single-connector covers and replace the KS-20366- and KS-19778-type covers. These new design covers incorporate the following improvements:

- Stronger magnets and improved magnet mountings to provide a firmer grip on ferrous metal surfaces
- Molded tabs inside the covers which positively attach the connector assembly to the cover
- A splash guard to protect the connectors from water splashes and cleaning materials.

**2.03** Current model KS-20458, List 1, List 3, List 6, and List 8 covers for multiconnector cable use are now furnished from the factory equipped with a mounting bracket. With early model covers,

these brackets (plain and adhesive) were ordered separately by a list number.

**2.04** ♦The KS-20458, List 16, 17, and 18 covers will house and support six-mated plugs and connectors. These covers are used in conjunction with 30- and 50-type consoles. The KS-20458, List 16, 17, and 18 covers are arranged to allow for mounting on all surfaces with the use of screws, bolts, magnets, or adhesives.♦

**2.05** Refer to Table A for ordering information. Table B lists the dimensions of the covers.

#### 3. DESIGN FEATURES

##### (a) 152A Adapter (Fig. 1):

- For mounting 66E-25 connecting block
- Mounting screws provided
- Knockouts provided on four sides to receive two different sizes of wiremold ducts.



*The adapter is not to be used as a substitute for underfloor duct fittings.*

##### (b) KS-20458-Type Covers (Fig. 2, 3, and 4):

- Cable may enter from under the cover in a through-the-wall installation or from an electrical outlet when the cover is equipped with a mounting bracket (Fig. 5 and 6).
- Cable or mounting cord entrance provided on each end. Both may enter same end on List 12, 13, or 14 (Fig. 7).
- Mounts in any position on wood or metal wall or desk surface.

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- A typical installation of KS-20458, List 12, 13, or 14 is shown in Fig. 8.

- A typical installation of KS-20458, List 16, 17, or 18 is shown in Fig. 9.

(c) **KS-20458, List 1, List 6 (Fig. 5), List 12 (Fig. 6), and List 16 (Fig. 10) Covers Including Plain Brackets:**

- Mounting screws furnished for mounting to electrical outlet box
- May be fastened to wall or standard electrical outlet box.

(d) **KS-20458, List 3, List 8 (Fig. 5), List 14 (Fig. 6), and List 18 (Fig. 10) Covers Including Adhesive Brackets:**

- Pressure-sensitive adhesive backing
- Will adhere to a smooth clean surface.

(e) **KS-20458, List 11 (Fig. 5) and List 17 (Fig. 10) Magnet Assembly:**

- Will attach to ferrous metal surfaces
- Package of four magnets.

(f) **KS-20458, List 15 (MD) Splash Guard:**

- Plastic cover furnished with List 13 cover, but may be installed on List 12 or List 14 covers for protection against water splashes and cleaning material.

(g) **KS-20366- and KS-19778-Type Covers (MD):**

- These single-mated KS-type plug and connector covers are replaced by the KS-20458, List 12, List 13, or List 14 covers which provide similar mounting arrangements.

**4. INSTALLATION**

(a) **152A Adapter:**

- (1) Knock out desired side of adapter when installing on overfloor duct systems (Fig. 1).
- (2) Secure to duct system or electrical outlet box using mounting hardware provided.

(b) **KS-20458 Cover:**

- (1) When a mounting bracket is required, two 6-32, 3/4-inch roundhead screws are provided for mounting to a standard electrical outlet box. Otherwise, the installer must furnish proper screws if a bracket is to be used.
- (2) For covers equipped with magnets or adhesive-backed blocks, provide a clean flat surface to attach the cover.
- (3) Position mated plug and connector in List 12, 13, or 14 cover using molded tabs to firmly hold single-connector assembly in place.
- (4) Snap cover on bracket to hold firmly in place.

◆TABLE A◆

ORDERING GUIDE

APPARATUS	LIST	50-PIN MINIATURE RIBBON CONNECTOR				TYPE SURFACE TO BE MOUNTED ON			EQUIPPED WITH LIST 11 MAGNET ASSEMBLY	EQUIPPED WITH ADHESIVE BRACKET	EQUIPPED WITH MOUNTING BRACKET
		SINGLE	TWO OR THREE	FOUR OR FIVE	SIX	SMOOTH	FERROUS METAL	ELECTRICAL OUTLET BOX			
Cover KS-20458	L1*		•			•	•	•			•
	L2		•				•		•		
	L3		•			•	•			•	
	L6*			•		•	•	•			•
	L7			•			•		•		
	L8			•		•	•			•	
	L12*	•				•	•	•			•
	L13	•					•		•		
	L14	•					•	•		•	
	L16				•	•	•	•			•
	L17				•		•		•		
	L18				•	•	•			•	
Guard, Splash KS-20458	L15 (MD)	•									

\* Four suitable fasteners required; not furnished with cover.

♦TABLE B♦

DIMENSIONS

KS-20458-TYPE COVER	WIDTH	HEIGHT	DEPTH
L1,L2, or L3	3-1/2 inches	6-1/4 inches	2-5/8 inches
L6,L7, or L8	4-3/4 inches	9-3/4 inches	2-5/8 inches
L12,L13, or L14	3-3/8 inches	5-1/16 inches	13/16 inches
L16,L17, or L18	5-5/8 inches	9-3/4 inches	2-5/8 inches

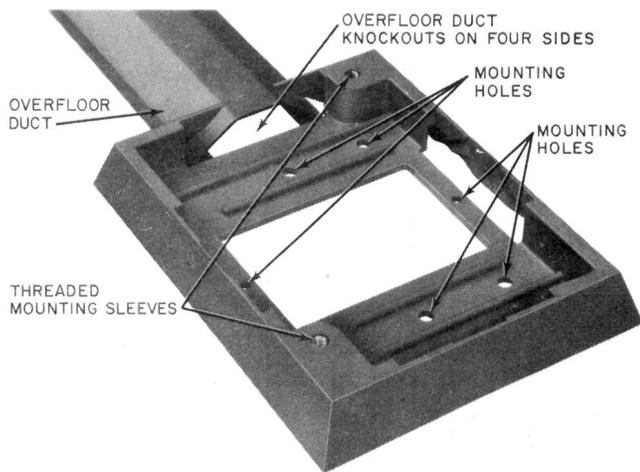


Fig. 1—152A Adapter



Fig. 3—KS-20458, List 12, List 13, or List 14 Cover (Front View)

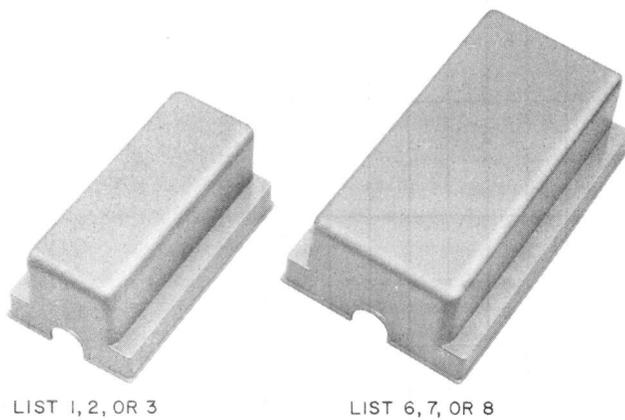


Fig. 2—KS-20458-Type Cover

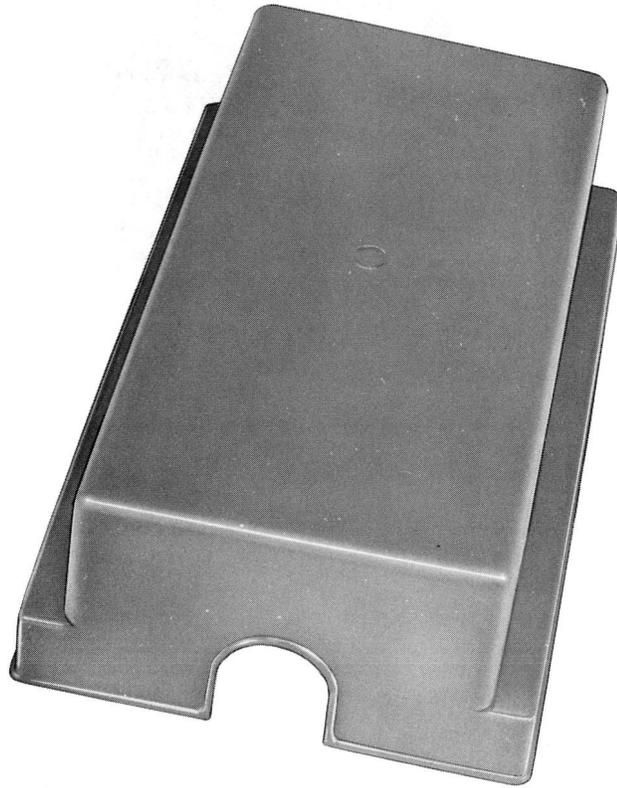


Fig. 4—KS-20458, List 16, List 17, or List 18 Cover (Front View)

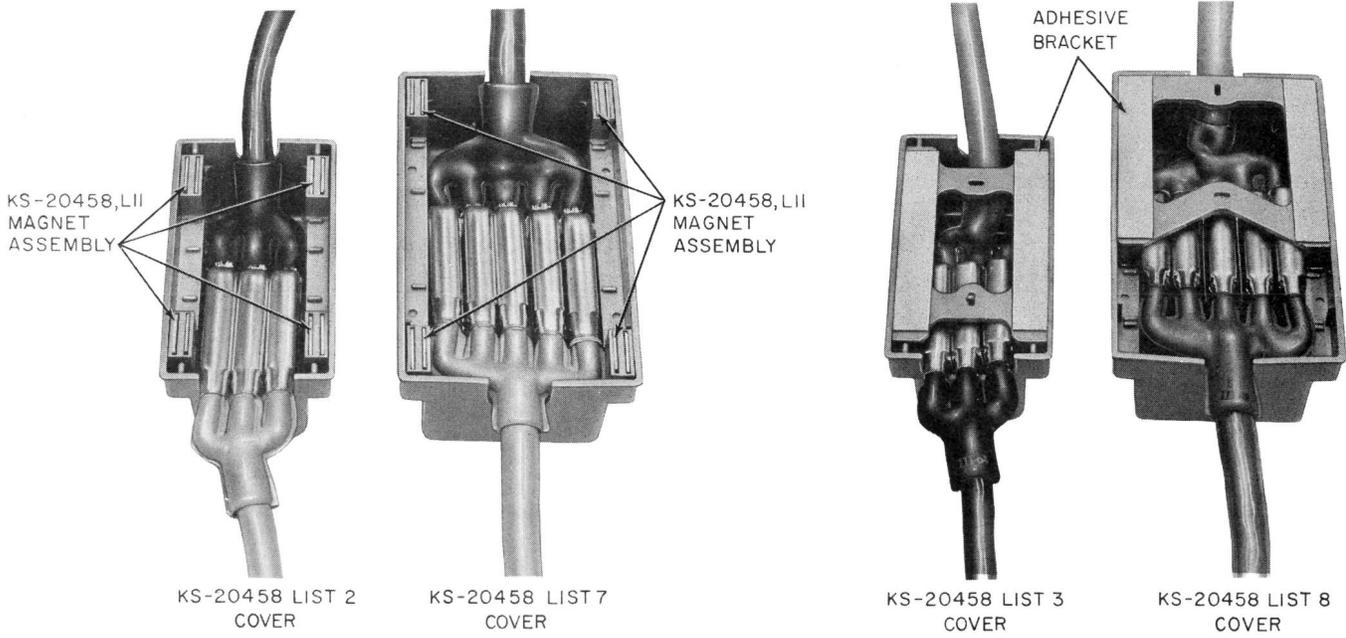
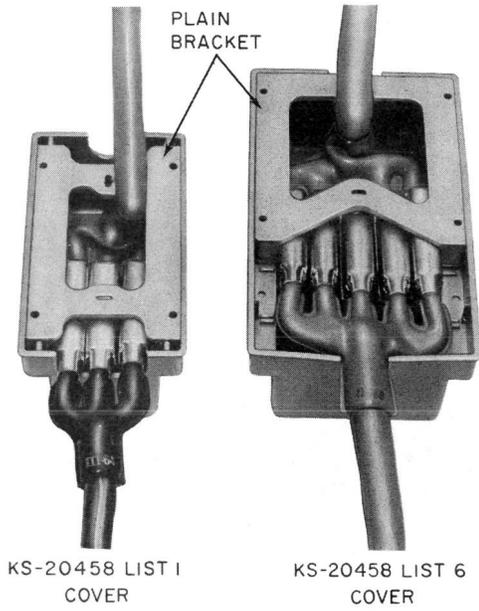


Fig. 5—KS-20458-Type Cover (Rear View) With Three- and Five-Mated Plug and Connector in Cover

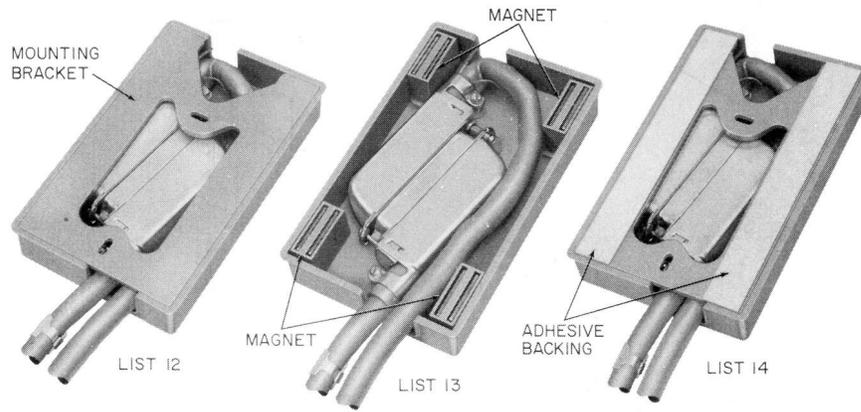


Fig. 6—KS-20458-Type Cover (Rear View) With Single-Mated Plug and Connector in Cover

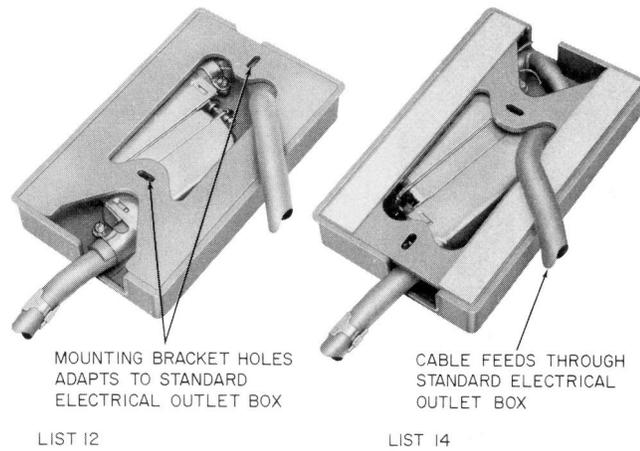


Fig. 7—KS-20458, List 12 and List 14 Covers (Rear View) Showing Placement of Connector Cable Through Bracket

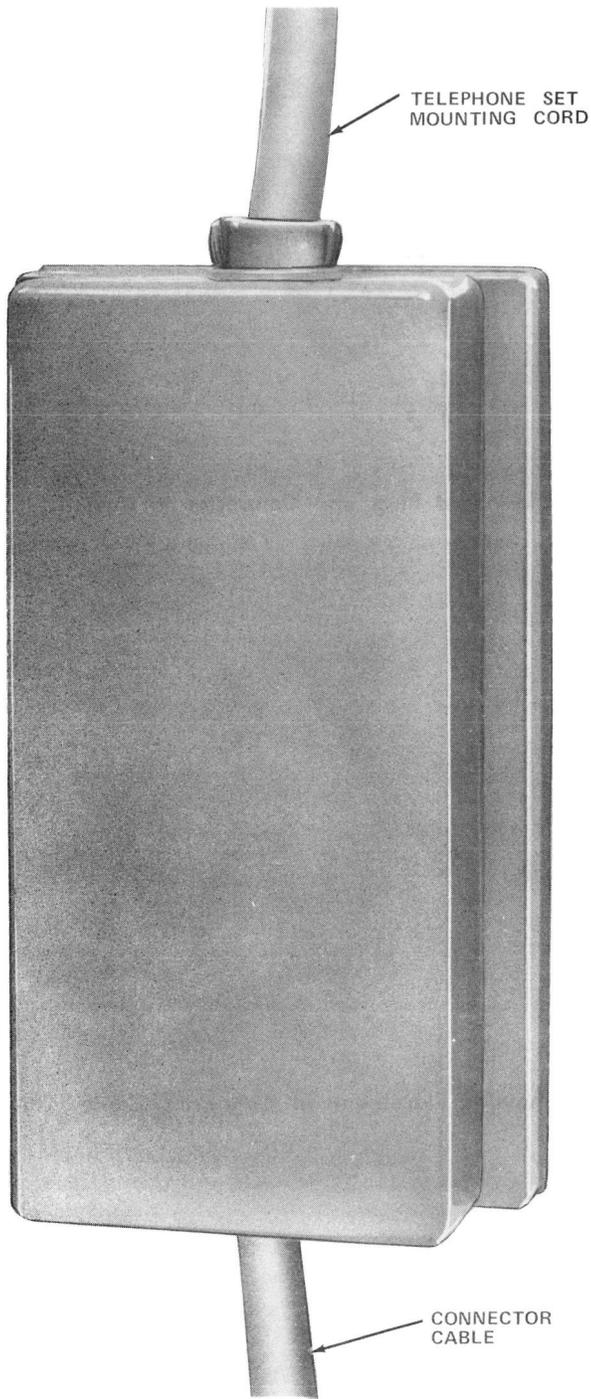
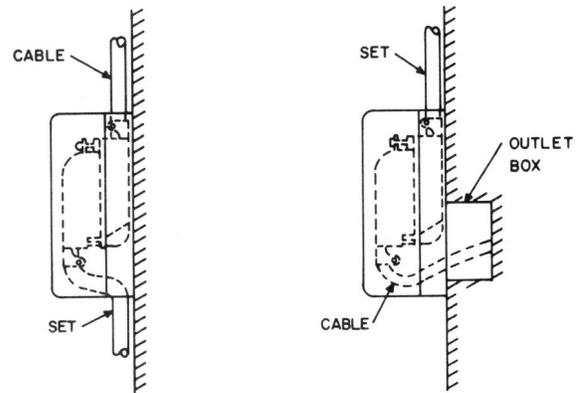


Fig. 8—KS-20458, List 12, List 13, or List 14 Cover, Typical Installation



A. SURFACE FIVE CONNECTOR AND THREE CONNECTOR COVER

B. WALL OUTLET BOX MOUNTING

Fig. 9—KS-20458, List 16, List 17, or List 18 Cover, Typical Installation With Single-Mated Plug and Connector in Cover

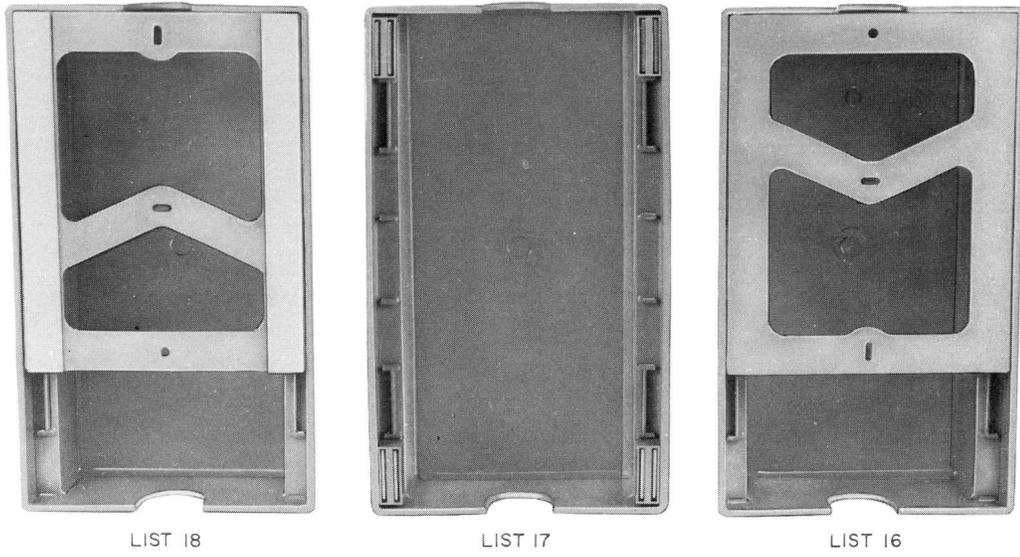


Fig. 10—▶KS-20458, List 16, List 17, or List 18 Cover (Rear View)◀