

KS-22081 CLUSTER MOUNTING

IDENTIFICATION, INSTALLATION, AND MAINTENANCE

1. GENERAL

1.01 This section contains information on the KS-22081 telephone mounting (Fig. 1). It is intended for indoor use only where ambient lighting is sufficient.

1.02 Whenever this section is reissued the reason for reissue will be listed in this paragraph.

1.03 A variety of mounting arrangements are available (Fig. 2). Included is a double (back-to-back), triple (spaced 120 degree), and five or six circular cluster arrangement.

1.04 Each position will accommodate a 1A, 1C, or 1D coin telephone set or a coinless type (Charge-a-Call) telephone set to be mounted at the universal height of 54 inches.

2. IDENTIFICATION

2.01 The KS-22081 telephone mounting consists primarily of a center support post composed of three rectangular tubings and held together by circular plates at bottom, center, and top. A security dome, transparent housings, and mounting brackets for the telephone sets or directory hanger is also included. Each telephone mounting position has a stainless steel writing shelf and directory holder.

2.02 The approximate dimensions of a six position cluster mounting is 62 inches in diameter and 69 inches high. The weight is approximately 360 pounds.

2.03 There are no lighting fixtures associated with the individual housings. A KS-20031, List 1 triangular lighted sign may be ordered separately and mounted on top of the post using a special KS-22081, List 25 mounting kit.

2.04 The KS-20029 directory shelf and hanger assembly may be ordered separately and

mounted in place of a telephone set for variations and future growth. A stainless steel faceplate (Fig 3), replaces the telephone set at the directory station.

2.05 The KS-22081, Lists 101, 102, 103, and 104 mountings are shipped from the factory completely assembled. Refer to Table A for ordering information.

2.06 The housing is made of transparent plastic which offers the customer conversation privacy and visibility.

Ordering Guide

2.07 Orders for this product shall specify the quantity, KS number, and List number, refer to Table A.

2.08 Following are examples of typical orders:

Example No. 1: Five telephone positions with a KS-20029 directory station.

1-KS-22081, List 102

1-KS-20029 Directory Shelf and Hanger assembly.

Example No. 2: Six telephone positions with a KS-20031 triangular lighted sign.

1-KS-22081, List 101

1-KS-20031, List 1 Sign

1-KS-22081, List 25 Kit.

3. INSTALLATION

3.01 Location should be:

- Within full view of public
- Readily accessible to the customer

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

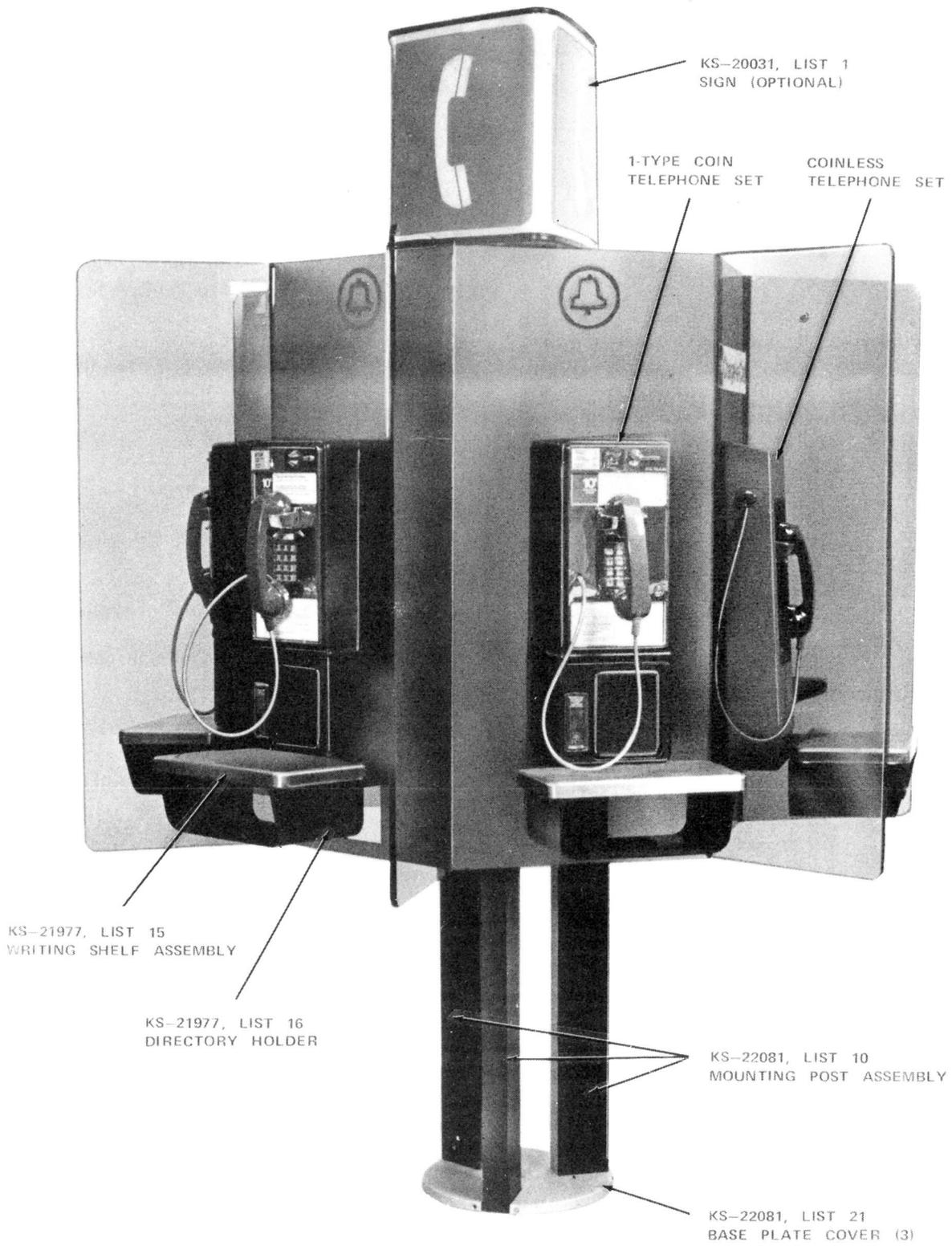


Fig. 1—KS-22081, List 101 Telephone Mounting

- Free of hazards such as broken or uneven flooring
 - In area with adequate lighting
 - Prewired for each telephone set and sign if required.
- 3.02** Ensure that floor will provide a secure base for the mounting being installed.
- 3.03** Move the crated mounting to the installation location and uncrate the mounting as follows.

- (a) Remove the wood side panels from crate.
- (b) With a security screwdriver, remove the three (3) KS-22081, List 21 baseplate covers.
- (c) Remove the bolts which hold the mounting to the skid.

Caution: *The mounting must be held in a balanced position during this operation.*

- (d) Carefully remove the mounting from the skid and place in exact position the mounting will be located.
- (e) Using the base as a template, mark the location for the six mounting holes.
- (f) Move the mounting from the drilling area.

Danger: *Use eye protection while drilling.*



All wiring for the telephone set and lighted sign must be run prior to anchoring the mounting to floor surface. See WIRING paragraphs 3.06 and 3.07.

- (g) Masonry Surfaces.
 - (1) Use HILTI No. 5490024 (or equivalent) anchors and 1/2-13 by 1-inch hex head machine bolts
 - (2) Drill holes to accept the anchors. Anchors should be flush or slightly under flush with surface.
 - (3) Secure mounting to the floor using the bolts described in (1).

(h) Wooden Surfaces.

- (1) Use 1/2 by 2-inch hex head lag bolts.
- (2) Drill 3/8-inch lead holes 1-1/2 inches deep.
- (3) Secure mounting to the floor using the lag bolts.

Caution: *The post must be plumb to ensure proper operation of the coin telephone set. Use shims as necessary to plumb the post.*

- (i) Install the three (3) baseplate covers using No. 10-32 by 1/2-inch flat head security screws.

A. Optional KS-20031, List 1 Sign

3.04 Install the lighted sign using KS-22081, List 25 kit as follows.

- (a) Remove the hole plug from the security dome located on top of the support post (Fig. 2).
- (b) Screw the threaded end of 14-inch pipe into the hole (Fig. 4).
- (c) Place the adapter assembly (Fig. 4) on other end of pipe. Tighten the 1/4-20 by 3/16-inch setscrew against pipe.

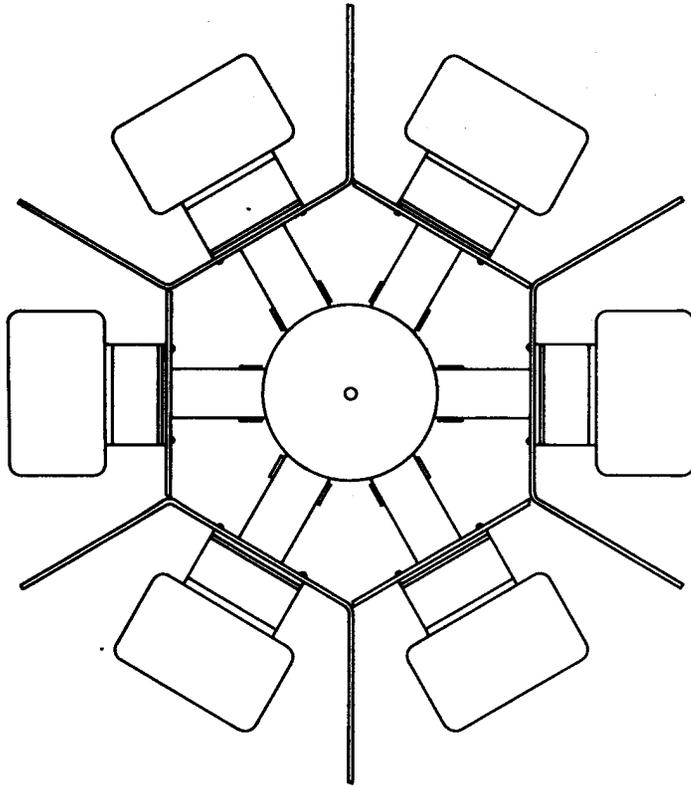
(d) Have an electrician connect wiring to the light fixture. For additional information on the KS-20031, List 1 Sign, refer to Section 508-810-202.

- (e) Install the KS-20031 sign on top of the mounting.

B. Optional KS-20029 Directory Shelf

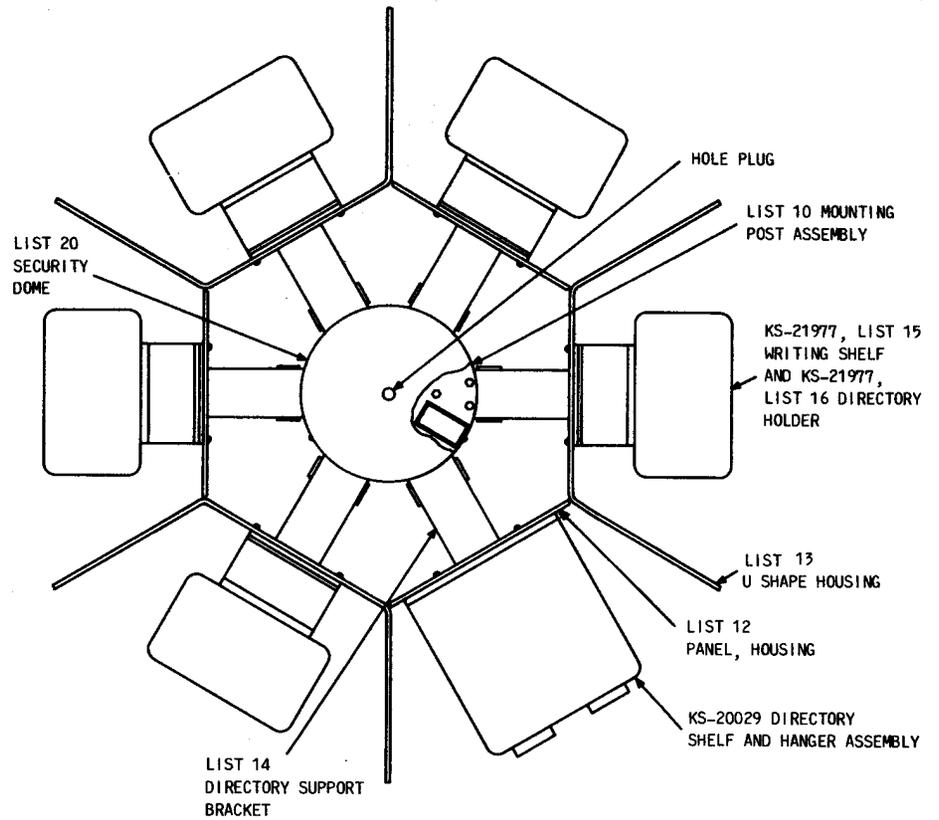
3.05 A directory station can be installed in place of a telephone set as follows.

- (a) Install a KS-22081, List 14 directory support bracket assembly to the post using six 3/8-16 by 1-1/4 inch hex screws, 3/8-inch lockwashers, and 3/8-inch hex nuts.
- (b) Install faceplate assembly where telephone set would normally be mounted using eight 1/4-20 by 5/8-inch RHM security screws.
- (c) Refer to Section 508-710-100 for installation of the KS-20029 directory shelf.



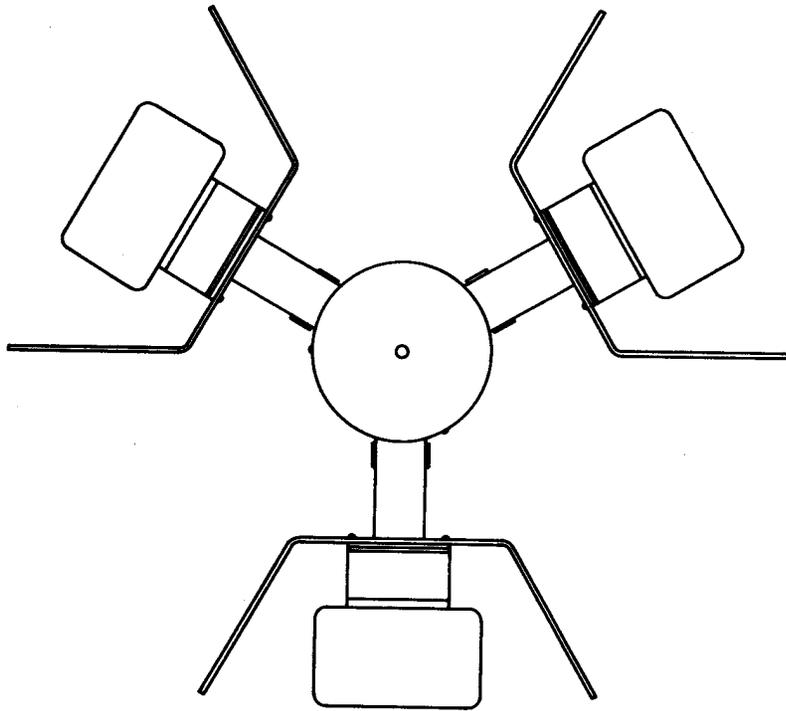
KS-22081, LIST 101
(SIX POSITION), SEE NOTE

NOTE:
REFER TO TABLE A FOR COMPLETE
DESCRIPTION OF ALL COMPONENTS.



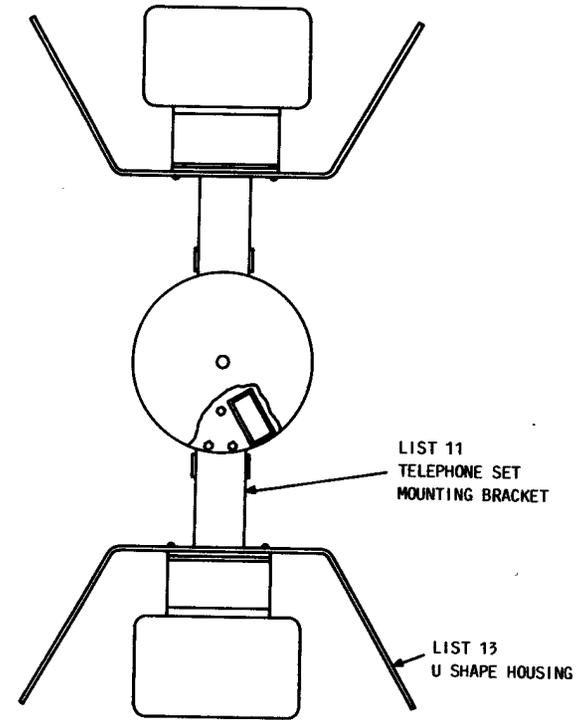
KS-22081, LIST 102
(FIVE POSITION WITH
ONE DIRECTORY STATION), SEE NOTE

Fig. 2—KS-22081 Cluster Mounting Arrangement (Sheet 1 of 2)



KS-22081, LIST 103
(THREE POSITION), SEE NOTE

NOTE:
REFER TO TABLE A FOR COMPLETE
DESCRIPTION OF ALL COMPONENTS.



KS-22081, LIST 104
(TWO POSITION), SEE NOTE

Fig. 2—KS-22081 Cluster Mounting Arrangement (Sheet 2 of 2)

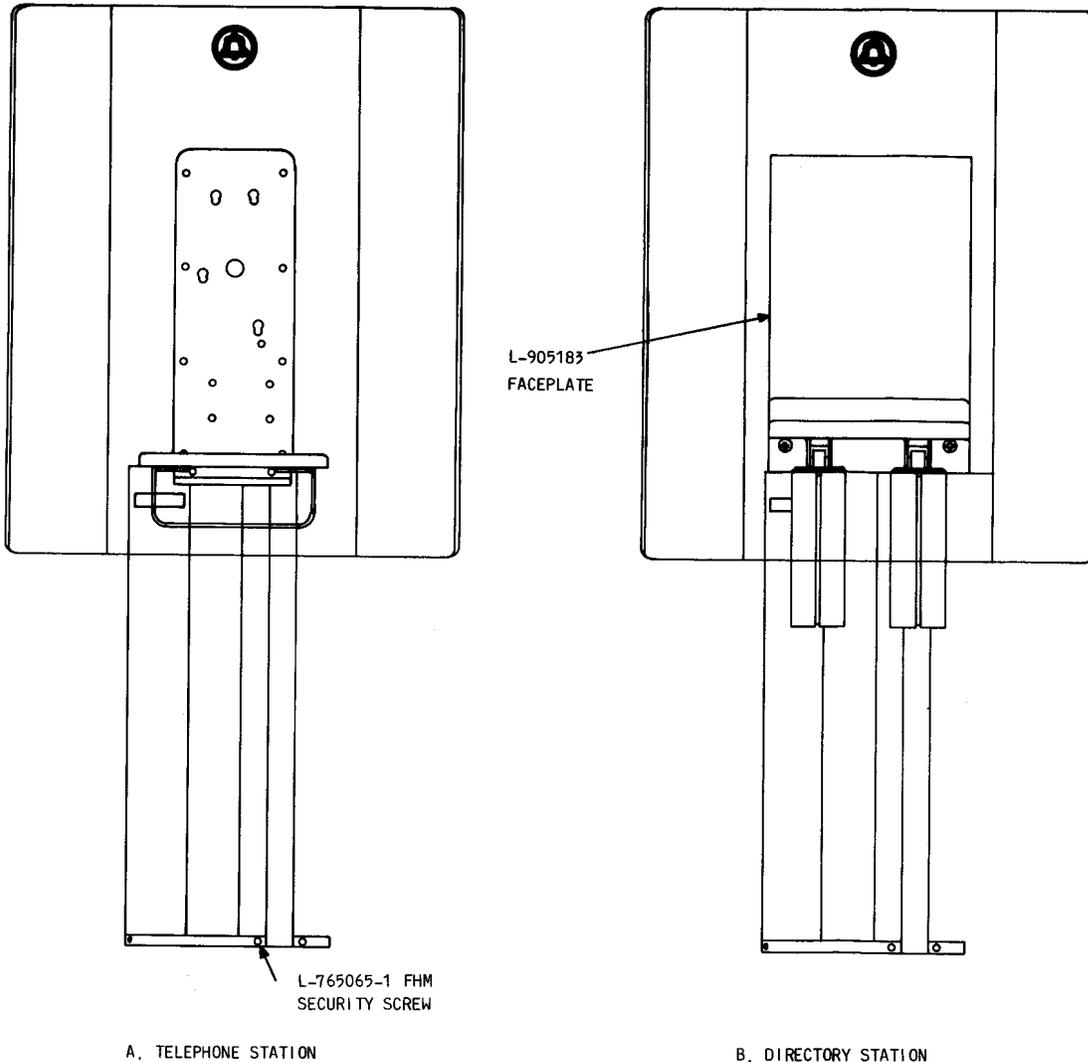


Fig. 3—Optional Telephone or Directory Station

C. Wiring

3.06 All wiring for the telephone sets must enter the mounting from the floor. Run the wiring up through the bottom of one of the three legs along the inside of post member up to the side hole located near the top of the post. Branch the wires to the individual telephone mounting brackets.

3.07 The power wiring for the lighted sign should be run in flexible conduit. Run the conduit before anchoring the post to the floor. Entering from the ground through a post member (not taken by telephone wires) up to the security dome and to the sign.

3.08 Have a local electrician connect the light fixture using No. 14 AWG wire and flexible conduit. Follow the National and Local Electrical Safety Codes.

D. Telephone Set

3.09 See Section 506-410-400 or TOP 506-410-402 for installation information on 1-type coin telephone sets. Refer to Section 506-500-100 for coinless telephone sets.

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 public phone facilities.
- 4.03 Replace any part of the mounting which does

not meet local telephone company standards.

- 4.04 Inspect the approach to the mountings and ensure that they are free of all hazards.
- 4.05 Clean in accordance with Section 508-100-101.
- 4.06 Refer to Table A for components.

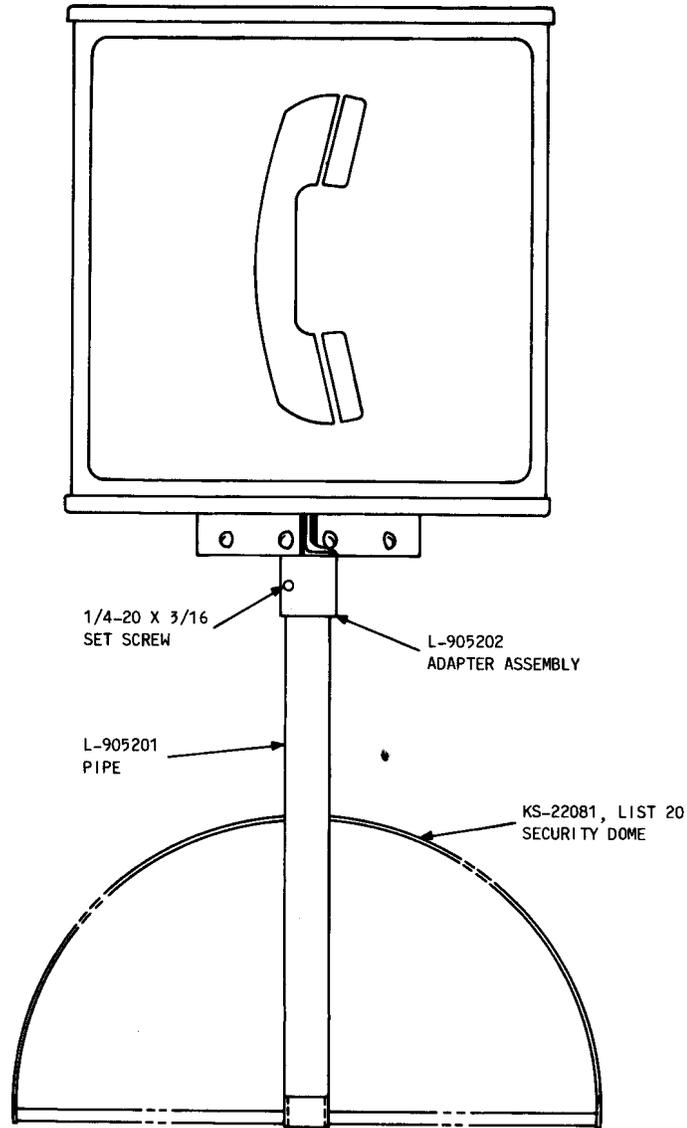


Fig. 4—KS-20031, List 1 Sign Mounting Arrangement

TABLE A
ORDERING GUIDE
KS-22081 MOUNTINGS

KS-22081 LIST NO.	DESCRIPTION	REMARKS
101	Six Position Mount	Consist of: List 10 – Mounting Post Assembly List 11 – Telephone Set Mounting Brackets (6) List 12 – Panel, Housing Assembly (3) List 13 – U Shape Housing Assembly (3) List 20 – Security Dome List 21 – Baseplate Cover (3) List 25 – Mounting Kit, (KS-20031, List 1 Sign Optional, Ordered Separately) KS-21977, List 15 – Writing Shelf Assembly (6) KS-21977, List 16 – Directory Holder (6)
102	Five Position Mount One Position Directory Station	Consist of: List 10 – Mounting Post Assembly List 11 – Telephone Set Mounting Brackets (5) List 12 – Panel, Housing Assembly (3) List 13 – U Shape Housing Assembly (3) List 14 – Directory Support Bracket Assembly, With L-905183 Faceplate (KS-20029 Directory Shelf and Hanger Assembly, Ordered Separately) List 20 – Security Dome List 21 – Baseplate Cover (3) List 25 – Mounting Kit, (KS-20031, List 1 Sign Optional, Ordered Separately)
103	Three Position Mount (Spaced 120 Degree)	Consists of: List 10 – Mounting Post Assembly List 11 – Telephone Set Mounting Brackets (3) List 13 – U Shape Housing Assembly (3) List 20 – Security Dome List 21 – Baseplate Cover (3) List 25 – Mounting Kit, (KS-20031, List 1 Sign Optional, Ordered Separately) KS-21977, List 15 – Writing Shelf Assembly (3) KS-21977, List 16 – Directory Holder (3)
104	Two Position Mount (Back-to-back)	Consist of: List 10 – Mounting Post Assembly List 11 – Telephone Set Mounting Brackets (2) List 13 – U Shape Housing Assembly (2) List 20 – Security Dome List 21 – Baseplate Cover (3) List 25 – Mounting Kit, (KS-20031, List 1 Sign Optional, Ordered Separately) KS-21977, List 15 – Writing Shelf Assembly KS-21977, List 16 – Directory Holder