

COIN TELEPHONE STATIONS BACKBOARDS

1. GENERAL

1.01 This section provides identification and installation information for coin collector and coin telephone set backboards.

1.02 Information in this section was previously contained in Section 506-110-105 which is hereby canceled.

2. IDENTIFICATION

(a) *Ordering Guide:*

(1) *Multiuse Backboards:*

CODE NO.	FIG. NO.
Backboard, 139A-3	1
Backboard, 144D	2
Backboard, 174A	3
Backboard, 178A-3	4

(2) *Special Purpose Backboards:*

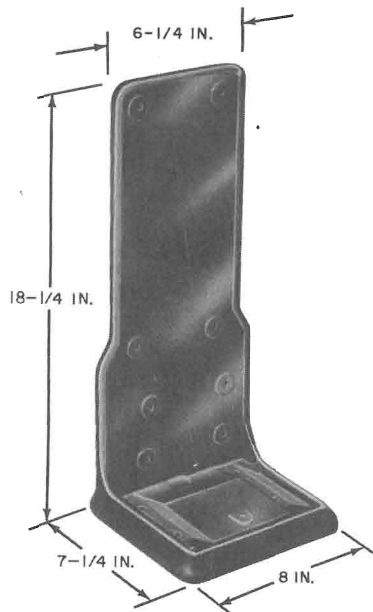
Backboard, 167A-3	5
Backboard Kit, KS-19206, List 6	6
Backboard Kit, KS-19206, List 7	7
Backboard, Auxiliary, KS-19267, List 10	8
Backboard, KS-19340, List 53	9
Backboard, KS-19340, List 54	10
Backboard Installation Kit KS-19426, List 7	11
Backboard Installation Kit KS-19426, List 8	12
Backboard, B-190387-2	13

(3) *Backboard Accessories:*

CODE NO	FIG. NO.
Kit of Parts, D-179939	14
Kit of Parts, D-179940	15

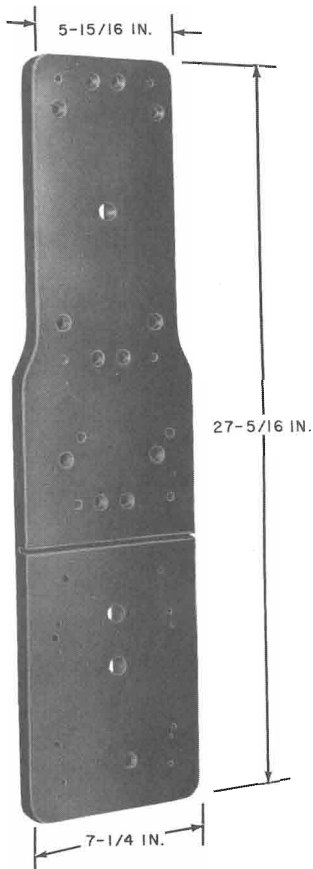
(b) *Design Features*

(1) Refer to Fig. 1 through 15.



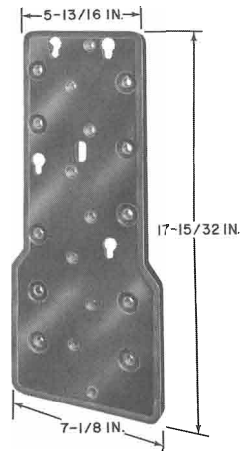
- METAL BLACK
- FOR MOUNTING ALL 200-TYPE COIN COLLECTORS (EXCEPT PANEL TYPE) ON HORIZONTAL SURFACES
- SCREWS PROVIDED FOR MOUNTING COIN COLLECTORS

Fig. 1—139A-3 Backboard



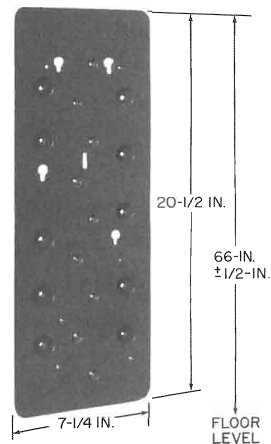
- WOOD, BLACK
- FOR MOUNTING ALL 200-TYPE COIN COLLECTORS (EXCEPT PANEL TYPE) AND A SUBSCRIBER SET ON A WALL AS ONE UNIT
- PROVIDED WITH A SAW SLOT SO BOTTOM PORTION CAN BE CUT OFF WHEN SUBSCRIBER SET IS NOT REQUIRED
- HOLES FOR MOUNTING COIN COLLECTORS ARE PROVIDED WITH 1/4-20 THREADED INSERTS
- REPLACES 144C BACKBOARD

Fig. 2—144D Backboard



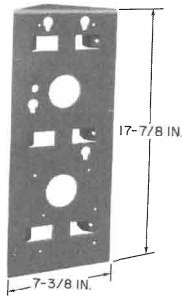
- ALUMINUM ALLOY, BLACK
- FOR MOUNTING ALL 200-TYPE COIN COLLECTORS (EXCEPT PANEL TYPE) ON A WALL

Fig. 3—174A Backboard



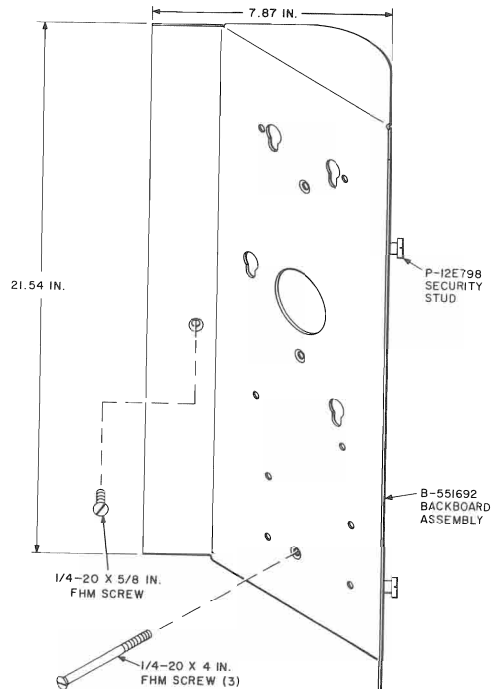
- ALUMINUM ALLOY, BLACK
- FOR MOUNTING 1-TYPE COIN TELEPHONES ON A WALL

Fig. 4—178A-3 Backboard



- 167A-3, METAL, BLACK, RATED A&M ONLY
- 167A-42, METAL, BIEGE, RATED MD
- FOR MOUNTING 200-TYPE COIN COLLECTORS (EXCEPT PANEL TYPE) IN 5-, 6-, 7-, 10-, OR 11-TYPE BOOTHS AND IN 20-TYPE SHELF
- PROVIDED WITH SCREWS FOR MOUNTING COIN COLLECTOR TO BACKBOARD
- REPLACES 153A-3 BACKBOARD

Fig. 5—167A-3 Backboard



- STEEL, OFF WHITE ENAMEL.
- FOR MOUNTING 200-, 1A-, AND 1C- TYPE COIN COLLECTORS (EXCEPT PANEL TYPE) IN KS-19206 BOOTH.
- PROVIDED WITH SCREWS AND SECURITY STUDS FOR MOUNTING BACKBOARD TO BOOTH.
- PROVIDED WITH SCREWS FOR MOUNTING COIN COLLECTOR TO BACKBOARD.

Fig. 6—KS-19206, List 6 Backboard Kit

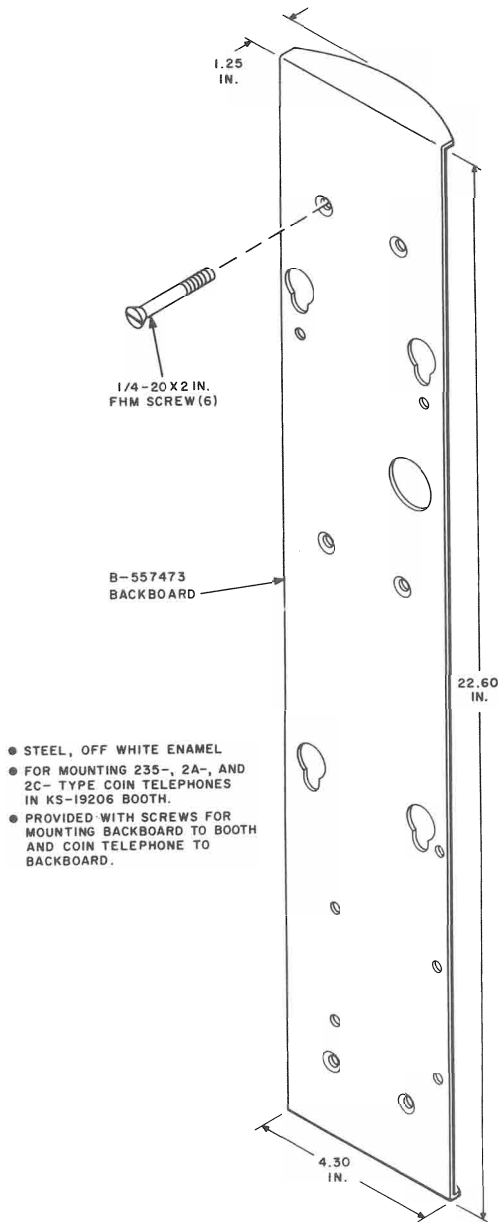


Fig. 7—KS-19206, List 7 Backboard Kit

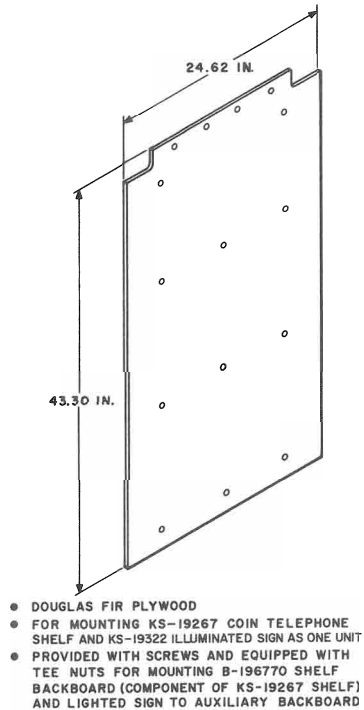


Fig. 8—KS-19267, List 10 Auxiliary Backboard

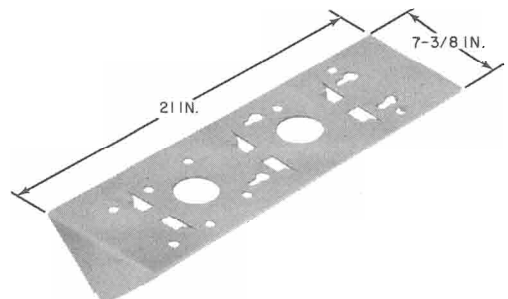
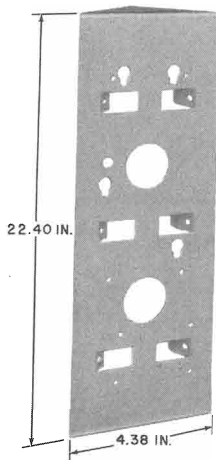
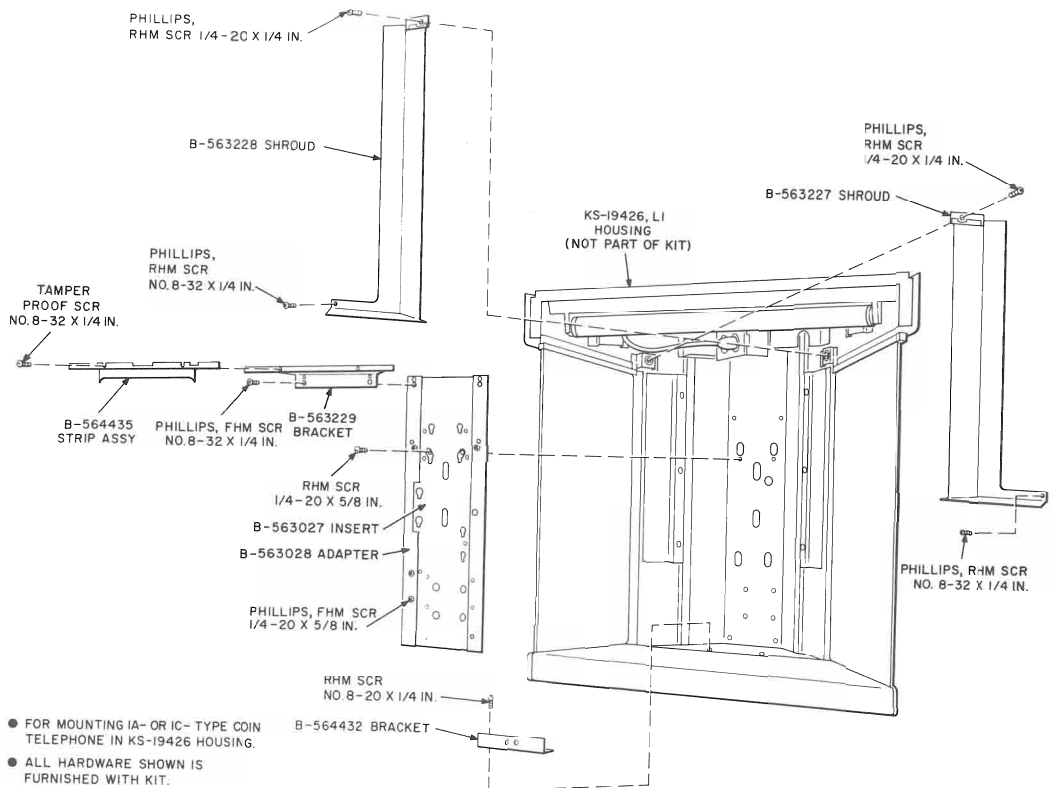


Fig. 9—KS-19340, List 53 Backboard



- STEEL, OFF-WHITE ENAMEL
- FOR MOUNTING 235-, 2A-, AND 2C-TYPE COIN TELEPHONE SETS IN KS-19340 AND KS-19442 BOOTHS

Fig. 10—KS-19340, List 54 Backboard



- FOR MOUNTING 1A- OR 1C- TYPE COIN TELEPHONE IN KS-19426 HOUSING.
- ALL HARDWARE SHOWN IS FURNISHED WITH KIT.

Fig. 11—KS-19426, List 7 Backboard Installation Kit

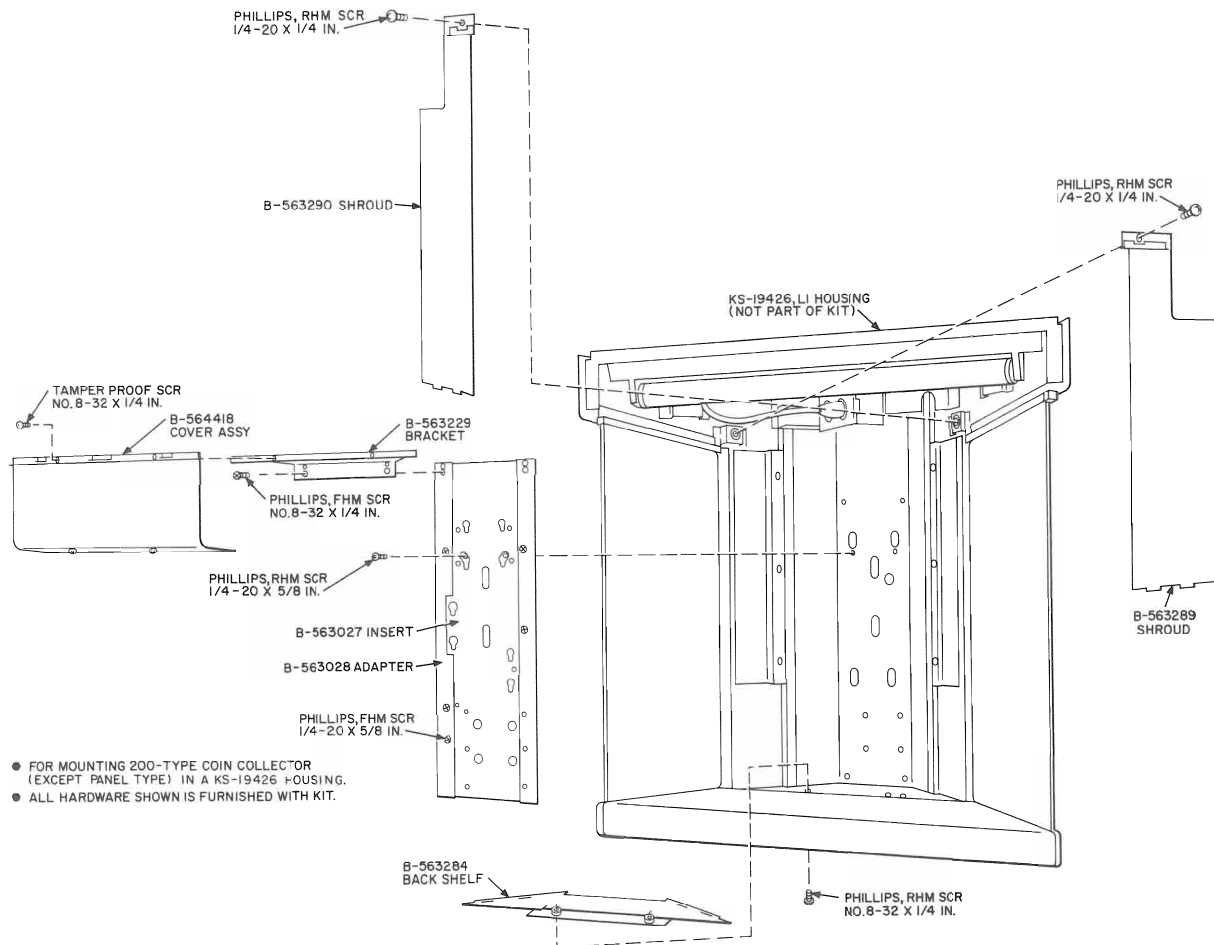
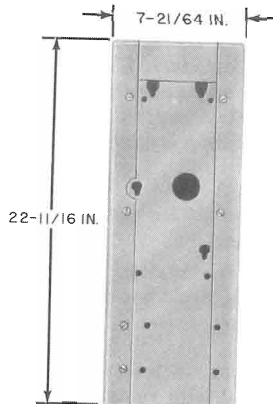
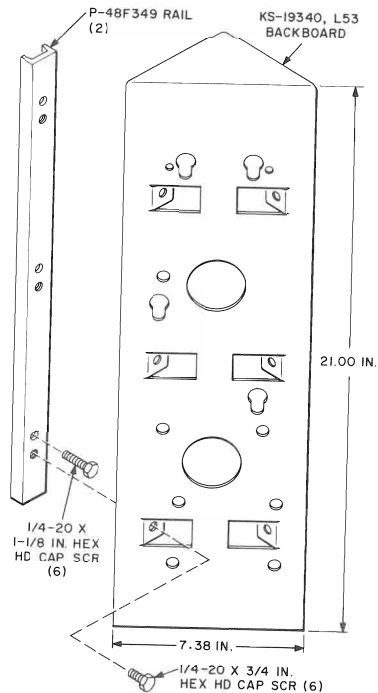


Fig. 12—KS-19426, List 8 Backboard Installation Kit



- ANODIZED ALUMINUM
- FOR MOUNTING 1A- AND 1C-TYPE COIN TELEPHONE SETS IN KS-16797 BOOTHS MANUFACTURED PRIOR TO JULY, 1963
- PROVIDED WITH SCREWS FOR MOUNTING COIN TELEPHONE TO BACKBOARD
- TWO B-650326 FILLER BLOCKS MUST BE ORDERED SEPARATELY TO PERMIT BOLTING THE BACKBOARD TO THE SIDE AND BACK CROSS RAILS

Fig. 13—B-190387-2 Backboard



- REPLACES 167A BACKBOARD FOR MOUNTING 1A- OR 1C-TYPE COIN TELEPHONE IN 10 AND 11-TYPE BOOTHS.
- ALL PARTS SHOWN ARE FURNISHED WITH KIT.

Fig. 14—D-179939 Kit of Parts

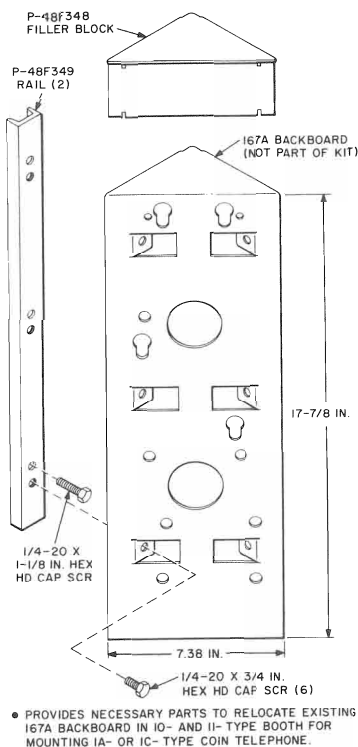


Fig. 15—D-179940 Kit of Parts

3. INSTALLATION

3.01 Refer to Table A for proper fastening device and quantity to be used for each backboard dependent upon:

- Type of surface
- Strength and rigidity of base material



Backboards must be mounted securely using the specified number and type of fasteners. If backboards are located on an uneven surface, shim to obtain a firm mounting and use fasteners 1/2-inch longer than specified in Table A.

3.03 Refer to 080 Division for method of installing fasteners.

Note: When fasteners extend into or through a surface, avoid damaging existing equipment and wiring.

3.04 Backboards located outdoors should be secured with rustproof fasteners, such as galvanized screws or bolts.

3.05 If backboard must be mounted on a finely finished surface, such as glazed tile or marble, that would be expensive to repair, consult supervisor and obtain instructions before proceeding.

167A-3 Backboard (Fig. 5)

3.06 When installing the 167A backboard it should be located in the right-rear corner of the booth with the top of the backboard 63 inches from the floor in booth without seat and 52.5 inches from the floor in booth with seat. Six 1/4-20 by 1-5/8 inch hex-head cap screws and 1/4-20 tee nuts are needed to secure the backboard to the booth.

KS-19267, List 10 Auxiliary Backboard (Fig. 8)

3.07 The KS-19267, List 10 auxiliary backboard must be installed with the bottom edge 35.25 inches from the floor and 24.75 inches center to center when multiplied. Fasteners should be omitted in area between top of shelf and bottom of lighted sign.

TABLE A
FASTENERS USED IN MOUNTING BACKBOARDS

BACKBOARD TYPE	MOUNTING SURFACES					HOLE SIZE REQUIRED	FASTENERS	
	SOFT- WOOD	HARD- WOOD	MASONRY* (CONCRETE, BRICK)	PLASTER BOARD AND PLASTER ON LATH†	PLASTER ON CINDER BLOCK, HOLLOW TILE, METAL LATH		SIZE AND TYPE	QUANTITY (NOTE 1)
139A	•					1/8 or No. 30	1-3/4 inch No. 14 FH tapping screw	4
		•					1-1/4 inch No. 14 FH tapping screw	
			•			1/2	1/4-20 by 1-1/2-inch FH machine screw in 1/4 by 1-1/4-inch expansion shield	
144D, 174A, and 178A	•					1/8 or No. 30	1-3/4 inch No. 14 FH tapping screw	7
		•					1-1/4 inch No. 14 FH tapping screw	
			•			1/2	1/4-20 by 1-1/2-inch FH machine screw in 1/4 by 1-1/4-inch expansion shield	
				•		1/8 or No. 30	1-3/4 inch No. 14 FH tapping screw, secure in stud a minimum of 1 inch	6
KS-19267, List 10 Auxiliary, B-196770 (Part of KS-19267 Shelf), and LP-480578 (Part of 19-type Shelf)					•	3/4	1/4- by 4-inch RH toggle bolt (Note 2)	9
	•					1/8 or No. 30	2-inch No. 14 RH wood screw	
		•						
			•			5/8	5/16-18 by 2-3/4-inch RH machine screw P-182481 in 5/16 by 2-inch expansion shield	
				•		1/8 or No. 30	2-3/4 inch No. 14 RH wood screw (fas- tener must be imbedded in stud 1 inch)	
					•	1	5/16- by 4-inch RH toggle bolt (Note 2)	

* When mounting on plastered masonry, install expansion shield below plastered surface by amount equal to thickness of plaster and use 1/2-inch longer machine screw than specified in Table.

† When mounting on plasterboard, plaster on lath, etc, fasteners must be embedded in stud at least 1 inch.

Note 1: Additional fasteners may be placed to ensure mounting.

Note 2: When using toggle bolts, cut off excess length.