MOUNTING A5 CHANNEL BANKS PER J68853

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1. GENERAL

1.1 Scope

1.11 This section provides a method for mounting A5 Channel Banks. It is necessary to mount these units on the job because access to the cable duct is blocked after the units are mounted on the bay. The method for cabling these units is covered on ED-50071-10.

NOTE 1: A5 Channel Banks should be mounted in consecutive order from bottom up, in accordance with ED-50071-10 and ED-50072-10.

1.12 The A5 Channel Bank assembly weighs 96 lbs. and requires seven 1-3/4" mounting plate spaces (12-1/4"). It is a door type unit which is arranged for both wiring and maintenance from the front or wiring side of the bay. The bay frameworks are on 22-1/2" centers in order to provide cable ducts between units on adjacent bays.

1.121 A5 Channel Banks are mounted on universal cable duct type bays that fall into two categories:

(a) UNEQUIPPED (or bay without fuse panel).

(b) EQUIPPED (or bay with fuse panel).

1.13 Refer to Sections 50A and 50G for the location of other information to which reference may be necessary when performing operations covered by this section.

1.2 Precautions

1.21 General safety precautions against personal injury and equipment damage are outlined in Handbook 0 and Section 1A in this handbook. These precautions are to be observed at all times as they apply to the operations being performed. Specific precautions to be taken are covered in this section.

1.3 Arrangement of Tools

1.31 Prior to starting operations covered by this section, the tools and other items required should be arranged at the work locations so as to minimize fatigue and inconvenience when handling.

1.4 Verification

1.41 Items for the verification of the equipment installed by the operations covered in this section are listed in Section 50V.

The method of mounting the A5 Channel Banks on these two types of bays is exactly the same except for the location and means of support for the R-1844 1/4 Ton Chain Hoist.

2. TOOLS AND MATERIALS REQUIRED

2.1 Tools

R- No.	Description	Quantity	Contained In Kits
R-81438	★Chain, Hoisting, Sender Units	1	48.55,162
R-1844	Hoist, Chain, 1/4 ton	1	43,48,162
R-2443	Screwdriver, Cabinet, 3"	1	168,198
R-1255	Wrench, O.E., 31/32" - 1-1/16"	2	3,4,42,43,48.55

★NOTE 2: Because the length of the R-81438 Chain does not permit sufficient lifting height for raising the ninth unit into position, shorten it by inserting a 3/8" x 3" long bolt (P-428480) between the sixth link from the smaller ring of both chains and fasten them together with two 3/8" nuts. This should be done before the No. 1 unit is hoisted.

2.2 Materials

R- No.	Description	Quantity
-	Auxiliary Framing - Channel (6' length)	2
P-205259	Bolt, M., Sq. H. (5/8" - 11 x 5")	2
P-428480	Bolt, M., Sq. H. (3/8" - 16 x 3-1/2")	1
P-160919	Bolt, M., Sq. H. (5/8" - 11 x 3-1/4")	2
P-453278	Clip (Channel)	6
P-453277	Clip (Channel)	2
P-205261	Nut, Hex (5/8" - 11)	4
P-126405	Nut, Hex (3/8" - 16)	2
P-201510	★Screw, M., R.H. (12 - 24 x 1-1/2")	2

★ If Not Readily Available, Purchase Locally.

3 SEQUENCE OF OPERATIONS

3.01 Method and location of support for R-1844 1/4 Ton Chain Hoist:

(a) UNEQUIPPED (or bay without fuse panel).

3.011 Attach hook of R-1844 1/4 Ton Chain Hoist over the cable rack stringer nearest the top front center of the bay.

NOTE A: Push away any cable or wire that may interfere with the engagement of the hook of the chain hoist.

(b) EQUIPPED (or bay with fuse panel).

3.012 Fasten a pair of 6-foot long auxiliary framing bars to the underside of the regular auxiliary framing and locate so that the distance from the front of the bay upright to the center of the framing bars is approximately 12 inches. Insert the hook of the R-1844 1/4 Ton Chain Hoist between the bars so that the shank of the hook is between the front of the bay and the outside face of the bars. Use two channel clips (P-453278) a bolt and nut (P 160919 and P-205261) on each side of the hook to prevent spreading of the bars during hoisting.

NOTE B: In order to protect the fuse panel from being damaged during hoisting, a protective covering should be used to enclose it.

3.02 Attach the load hook of the R-1844 1/4 Ton Chain Hoist to the smaller of the two rings of the R-81438 Chain (See Note 2 Paragraph 2.1).

3.03 Attach one hook of the R-81438 Chain into each of the top cable slots on the rear of the unit.

CAUTION: Be sure that the door is securely closed before hoisting the unit.

3.04 Raise unit into its approximate mounting position in front of the bay using the R-1844 1/4 Ton Chain Hoist. (Guide the unit while it is being hoisted by holding the lower portion of the R-81438 Chain.)

NOTE 3: After No. 1 unit is mounted on bay, each succeeding unit can be placed on the one below for added support.

3.05 Open door and insert the cable and wires through each of the four cable slots on the rear of the unit.

CAUTION: Hold door open and unit in approximate mounting position while inserting cables and wires.

3.06 With the R-81438 Chain still attached, guide unit into bay, on top of the one below it, until is is approximately 1 inch away from its permanent mounting position on the bay upright.

3.07 Insert one 12- 24 x 1-1/2' screw (P-201510) into the center mounting hole for each side of the unit; then, secure to uprights until approximately 1 inch of screw remains (meanwhile keeping door open and unit in position).

3.08 Remove R-81438 Chain from cable slots.

3.09 Push unit into permanent mounting position, insert the standard mounting screws supplied with the unit into the four remaining mounting holes and secure to bay upright. (Hold door open and unit in position until the four mounting screws are fastened.)

3.10 Remove the two 12- 24 x 1-1/2' screws from the center mounting holes on each side of the unit and replace with the standard mounting screws. Close door and repeat sequence for mounting of next unit.

Vertical lines at side of paragraphs indicates requirements.

Reason for Issue:
To include information on mounting of A5 Channel Banks per J68853 in a separate section.

Engineer of Installation

Replaces information previously contained in Section T.1 50G dated 3-16-61