TMC SPECIFICATION

NO. S -1166

REV: A B C

COMPILED: VEG | CHECKED: BL VG | APPD: LB | SHEET 1 OF 5

TITLE:

jb 12/21/66

KIT-318-1

I. EQUIPMENT AFFECTED:

A - SBT-1K (AX-198)

II. PURPOSE:

To replace existing unit (AX-198) with AX-650-1 and necessary modifications for incorporation of high speed electronic switching between transmitting and receiving frequencies using simplex operation.

III. MATERIALS SUPPLIED:

TMC PART NO.	DESCRIPTION
1. AX-650-1	Chassis Assembly
2. CA676-10-96.00	Cable Assembly 8 ft. long
3. CD-101-1MW	Lacing Cord 18 ft.
4. CA-480-97-50F, 2 req.)	Cable RF 50 ft. long
5. NP-362-46	Nameplate, Kit 318 designation

IV. TOOLS REQUIRED:

TO BE SUPPLIED BY INSTALLING ACTIVITY

1. Screw Driver (Blade Type)
2. Screw Driver (Philips Type)
3. Soldering Iron and Solder
4. Longnose Pliers
5. Wire Strippers
6. Cutting Pliers

V. DISASSEMBLY PROCEDURE FOR ADOPTING MODIFICATION:

Reference:

1. Disconnect all power to transmitter.
2. Pull out unit (RFD-1) to full extent of slides.
3. Disconnect all cables terminating on AX-198- (RF output chassis assembly).
4. Disconnect cable retractor AS-116 by removing clamp secured to cable.

5. On top section outside rear of transmitter cabinet. Remove seven (7) mounting screws holding AX-198. Exercise care in removing screws to prevent AX-198 from sudden dislodgement.
6. Remove AX-198 from Rack. (Ref Fig. 2)

VI. MODIFICATION OF EQUIPMENT

Reference - CA-506 (Rack Cable) (Ref. Fig. 1)

Attach to rack cable (CA-506) items No. 2 as called out in Section III. By connecting a Wh/Yel Lead to Pin M and a Wh/Red Lead to Pin N of P-607, Fig. 1 secure leads to main branch with Item 3 as called out in Section III and terminate at E-604 fanning strip of CA-506. Connect and solder matching leads which in turn will mate with terminal strip E-701-Connections 1 and 2 located on rear of Unit PS-4B.

VII. RE-ASSEMBLY OF EQUIPMENT (Ref. Fig. 2)

1. Place into position AX-650-1 (RF Output Chassis Assembly) Item No. 1 of Section III in area where AX-198 was previously located and secure with mounting screws that were removed in Section V operation No. 5.
2. Connect cable retractor clamp to original retracting position.
3. Connect all cables to their original terminating points on AX-650-1, same as connections required for AX-198 which was removed.
4. Inspect all mechanical connections and screws for proper tightness, visually check all rack cables for clearance on units which may have been pulled out.
5. Connect one cable CA-480-97-50F Item No. 4, Section III to J-2003 Receiver Squelch Jack. Route and terminate loose end of Cable to receiver AVC Line. Connect remaining CA-480-97-50F to Jack J-2004 and terminate at Receiver Antenna Jack.
6. Push in all units which may have been pulled out and secure. Upon completion of modification, affix Item No. 5, Section III (Modification Nameplate) under existing RAK Nameplates.

TMC SPECIFICATION

NO. S -1166

REV: A B C

COMPILED: VEG | CHECKED: | APPD: | SHEET 4 OF 5

TITLE: KIT-318-1

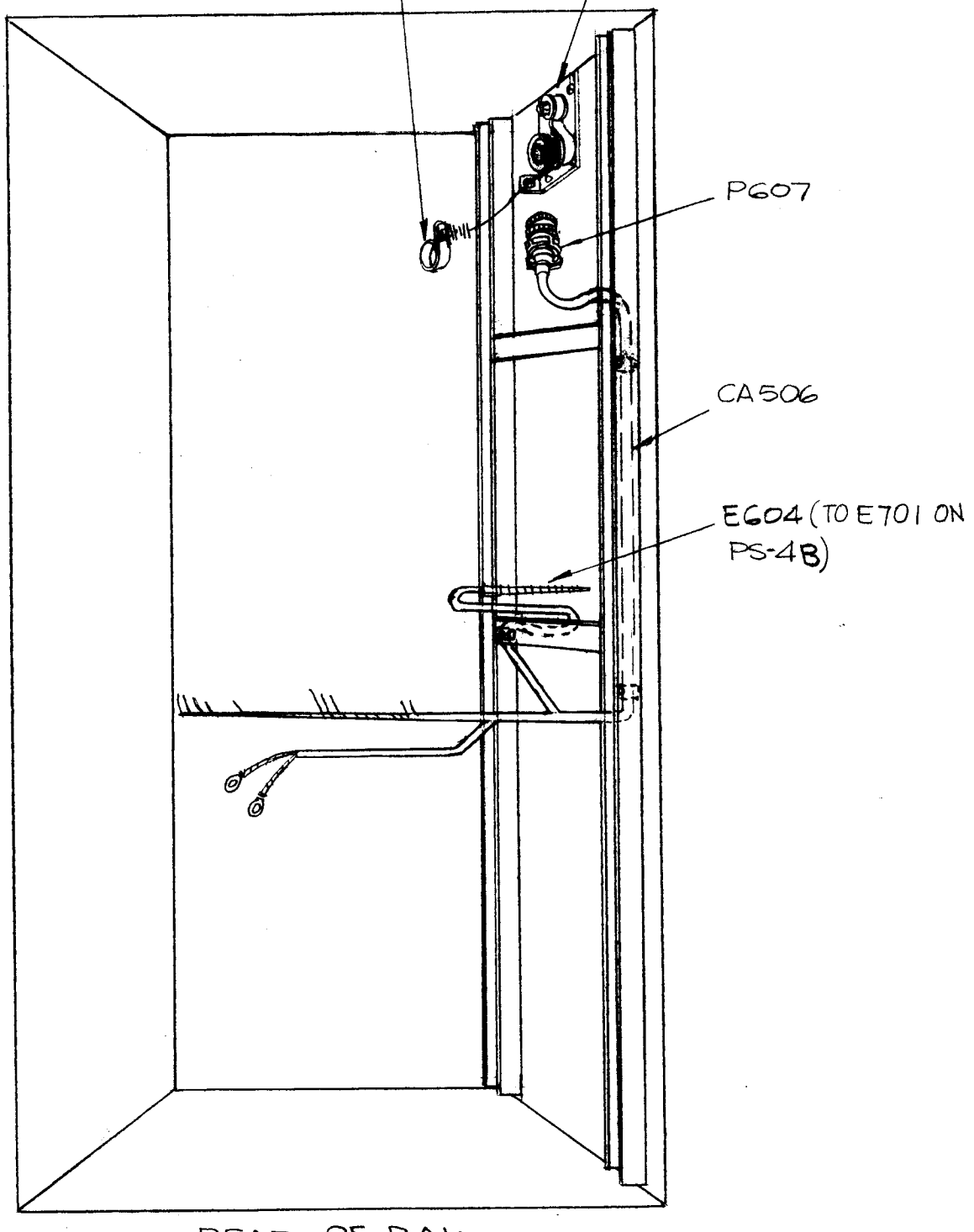

FIG-1

TMC SPECIFICATION

NO. S -1166

REV: A B C

COMPILED: VEG | CHECKED: | APPD: | SHEET 5 OF 5

TITLE: KIT-318-1

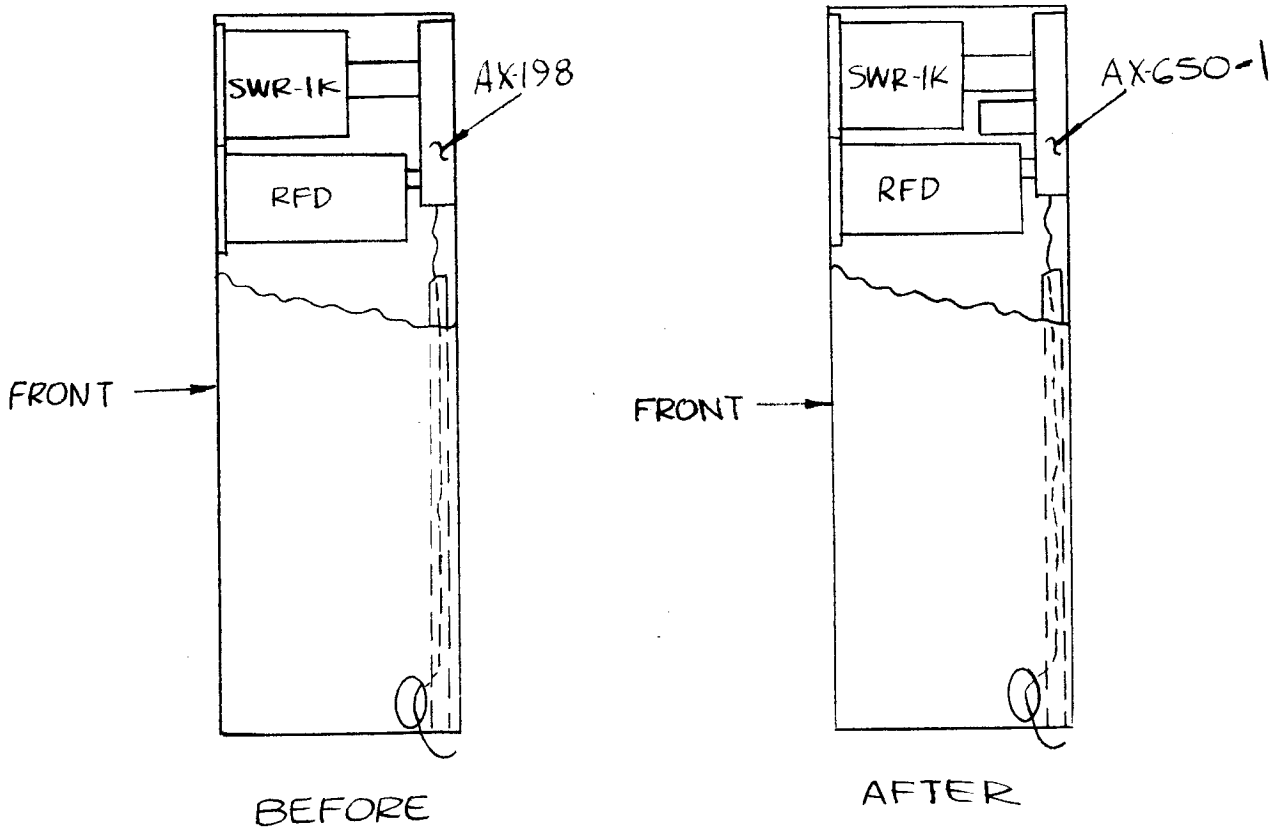

FIG-2

REVISION SHEET	THE TECHNICAL MATERIEL CORP. MAMARONECK NEW YORK	S 1166 LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
12/29/66	ø			ORIGINAL RELEASE FOR PRODUCTION	
1/16/67	A	1	17669	Revised per EMN	ae
5-22-67	B		18238	Revised per EMN, Sheet 2, 3, 4, All Sheets title.	
8/14/72	C	2	20825	Revised per EMN 20825	

TMC FORM MLR-1 2-65—AINS.