	TI	MC SPEC	ION		NO. S	1123		
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Typed by	mtp 7/14/6	6						

KIT-289

GPT-200K SOLID STATE POWER SUPPLY MODIFICATION

TMC SPECIFICATION										N	NO. S															
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TITLE	: KI	r - 289	_	GPT-	-200K	S0:	LID	STA	ATE	PO	WER	SU	PL	Y M	ODI	FIC	TA	ON								
Туред	l by	mtp 7	/15/	66																			•			

I. PURPOSE

To change from tube rectifiers to solid state (silicon diode) rectifiers in the high voltage rectifiers for the GPT-200K series transmitters.

II. EQUIPMENT AFFECTED

All TMC GPT-200K series transmitters (AN/FRT62).

III. MATERIAL SUPPLIED

	<u>Item</u>	Qty.	Part No.	Description
	1.	2	HVRA-1	Rectifier Drawer
Bag Hard- ware	(2.	16	SCFP1032SS10	Screw, Machine
		16	FW10HBN	Washer, Flat
	(16	LWSlomRN	Washer, Lock, Split
	(.	16	NTH1032BN12	Nut, Plain, Hex

IV. TOOLS REQUIRED

- A. To be provided by installing activity:
 - 1. Screwdriver, Phillips #2 point.
 - 2. Wrench, 3/8 Hex Socket or Spintite.

NOTE: This tool requirement list does not preclude the use of box, socket or speed type wrenches if available at the installing activity.

V. PROCEDURE

- A. Turn off all power to the transmitter and discharge the high voltage circuits with shorting rod.
- B. Remove both AP-110, high voltage rectifier drawers.
- C. With Phillips screwdriver and 3/8 wrench, remove chassis section of slide (TK117-7), making certain that left and right sides are so

TMC SPECIFICATION												NO. S							
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V. PROCEDURE - Cont'd

marked. Using screwdriver and hardware, (Item 2 - MATERIAL SUPPLIED).

Mount chassis sections as marked (right section to right side plate,
and left section to left sideplate).

- D. Replace the AP-110 drawers with HVRA-1 drawers (Item 1). (No change in cabling or connections is necessary.)
- E. Energize the transmitter and observe for normal meter readings and operation of the transmitter.

REVISION		SHEET		THE TECHNICAL MATERIEL CORP. S 1123 MAMARONECK NEW YORK LIST NO.		
DATE	REV.	SHEET	EMN #	DESCRIPTION Sheet 4 of 4	APP.	
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