

# TMC SPECIFICATION

NO. S 1101

REV:  A  B  C  D

COMPILED: \_\_\_\_\_ CHECKED: \_\_\_\_\_ APPD: *Allen 5/18/66* SHEET 1 OF 5

TITLE: KIT 284

Typed 5/18/66 by Carol M. Smith

KIT 284

KIT-284  
S1101

# TMC SPECIFICATION

NO. S 1101

REV: **B CD**

COMPILED:                      CHECKED:                      APPD:                      SHEET 2 OF 5

TITLE:                      KIT 284

Typed 5/18/66 by C.M.S.

I This modification affects transmitters AN/FRT 39, AN/FRT 40 and AN/FRT 62. It involves changes to the high voltage warning light, AX 124, to correct a safety hazard.

II List of Materials Supplied

<u>Item No</u>	<u>Symbol</u>	<u>Qty</u>	<u>TMC Part No</u>	<u>Description</u>
1		1	1N547	Diode
2		1	TM102-4	Terminal strip
3		1	PX336-4	Insulator, Terminal Board
4			Deleted	
5		2	SM2520BN5.75	Stud, Threaded
6		1	PX979	Insulator, Disc
7		2	FW25HBN	Washer, Flat
8		2	LWS25MRN	Washer, Lock
9		2	NTH2520BN14	Nut, Plain, Hex
10		2	NTC2520BNL	Nut, Cap
11		1	Dwg A1696	AX124 Assembly Dwg.
12		1	Dwg TS138	Lamp Dwg.
13		1	Dwg MS1604	Top Shield Dwg.
14		1	TP131-1-1/2/3/4	Rubber Stamp
15		1	STAMP-PAD	Stamp-Pad
16		4	SFB0632SC10	Self Tapping Screws

III. Modification Instructions

A. Warning Light

1. With all power off the transmitter, disconnect and remove the warning light assembly using side access or front access as required.

# TMC SPECIFICATION

NO. S 1101

REV:

Ø

A

B

C

D

COMPILED:

CHECKED:

APPD:

SHEET 3 OF 5

TITLE:

KIT 284

(a) Remove front and rear side rack doors by lifting off hinges.  
(b) Remove left side rack cover by first removing ten (10) snap-in buttons, then eight (8) of the 1/2" bolts underneath using a 1/2" socket wrench or spintite. Work from bottom up. Loosen but do not remove the two (2) top bolts. Cover lifts off these easily.

(c) Remove inner RF shield secured by 0832 screws.

(d) Disconnect the white and white/black leads at E3003 on roof of compartment.

(e) Remove the 1/2" square nuts and washers of warning light assembly and lift light off from top. Retain hardware and large gasket.

(f) Remove top cover by first removing twelve (12) large snap-in buttons, then the 5/16" bolts and washers using a 5/16" socket wrench or spintite. Lift cover up from front and slide to rear over studs of porcelain insulators exposing 4 nuts of terminal strip E3003. Proceed to Step A. 2.

## (Front Access (top cover not removeable))

(g) Remove the Sideband Exciter O-714/UR Model CBE ( ) and Frequency Amplifier AM2505-C-URA-31, Model CHG ( ) from the transmitter to gain access to terminal strip E3003.

(h) Remove 3 screws securing long trim strip above the 8 panel meters. This will expose 6 screws on side rack securing meter box to frame. Remove screws.

NOTE: If meter box is supported by nuts and bolts at the top of meter box, side access must be used to install new terminal strip.

(i) Remove meter box and meter panel intact and support same so that no stress will be on cabling. Two spacers behind meter box will also drop free. They must be re-installed after completing modification.

(j) Disconnect wiring from existing terminal strip E3003.

(k) Position the new terminal strip near the existing E3003 and using item 2 as a guide, drill four holes in top RF shield with a #36 drill bit. Mount the new terminal strip, Item 2 and its insulator strip, Item 3, using four self tapping screws, Item 16. Stamp terminals 1, 2, 3, and 4 per figure 1, using Item 14 and 15. Proceed to step B. 4. after modifying warning light.



