DATE 10/1/62 SH. 1 OF 3 COMPILED BY D.V.C.	TMC SPECIFICATION NO. S 10033	
	TITLE:	JOB
APPROVED		

MODIFICATION INSTRUCTIONS TO T.M.C. H.F. TRANSMITTER MODEL GPT-750 ( ) 2

T. M. C. (CANADA) LIMITED
OTTAWA ONTARIO

DATE 10/1/62 SH. 2 OF 3 COMPILED BY D.V.C.	TMC SPECIFICATION NO. S- 10033	
	TITLE:	JOB
APPROVED		

PURPOSE: - It has been found in the field that the GPT-750 Transmitter is critical in operation using crystal control in the frequency range of approximately 2.8 to 3.1 mc/s. This has been found due to some of the transmitters being fitted with an R.F. Choke that causes spurious response in this frequency area when using crystal operation in this frequency range.

TECHNICAL DETAILS: - The circuitry involved is associated with the 6AH6 crystal oscillator amplifier, (V-403) in the "Interconnect" chassis forming part of the R.F. Deck RTF-2 (See schematic Diagram E-46). The plate load Choke L-403, adjacent to #5 terminal of V-403 should be substituted for a Choke of value 750 microhenries and shunted with a 47,000 ohm, 1 watt resistor, (R-427) as shown on the attached Drawing CK-10420.

METHOD: - Locate Choke L-403 on the mounting strip directly underneath V-403 (6AH6 crystal oscillator amplifier tube). It should be especially noted that there is another 750 microhenrie Choke, L-401 in this circuit which must not be changed. Remove Choke L-403 and the resistor form on which it is wound. Replace this Choke with a new 750 microhenrie inductor (TMC Part No. CL-100-5). In parallel with this Choke, solder a 47,000 ohm 1 watt resistor (TMC Part RC30GF473K) across the same mounting terminal.

PARTS REQUIRED: -

Parts Required	Description	TMC Part No.
One	R.F. Choke, 750 microhenries.	CL-100-5
One	Resistor, 47-K, 1 watt	RC30GF473K