

DATE <u>13/8/63</u>	TMC SPECIFICATION NO. S - 10084	
SH. <u>1</u> OF <u>4</u>		
COMPILED BY BW/hh <i>100</i>	TITLE:	JOB
APPROVED <i>100</i>		

MODIFICATION INSTRUCTIONS

FOR

MODEL GPR-90 RXD

(CAN-1B)

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

DATE <u>13/8/63</u>	TMC SPECIFICATION NO. S - 10084
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- 1.) Drill Main Chassis in accordance with drawing MS-10450.
- 2.) Drill Front Panel in accordance with drawing MS-10441.
- 3.) Make a disc of fish paper 1 3/4" diameter (IM-178-1.78) and punch holes in it symmetrically to correspond with drawing MS-10450.
- 4.) Mount the fish paper on the upper surface of the chassis so that the holes register. Then insert the grommet EY-102-14 in the centre hole.
- 5.) Connect the coloured wire as specified below to the following pins of tube socket TS-101-POI:

<u>Colour</u>	<u>Connections</u>
Black	Pin 7
Brown	Pin 8
Wh/Brown tracer	Pin 2
Red	Pin 3
Coaxial Cable (Sub-minax)	Pin 6

NOTE: The outer braid of the coaxial Cable should be cut back so that the conductor can be connected to PIN 6 with the braid connected to the existing ground lug on the tube socket, TS-101-POI.

- 6.) Pass all the wires attached to the tube socket as indicated in para 5 through the grommet EY-102-14 and mount the TS-101-POI tube socket over the fish paper using two TE-117-3 spacers with the keyway facing the transformer T10.
- 7.) Select the black wire from the tube socket, cut and solder the wire to the grounded portion of the terminal strip with two lugs located under L-28.
- 8.) Locate the two heavy green leads from the transformer T-10 which are connected to terminal strip TM-117-26 and note one green lead has a brown wire connected to it and the other green lead has white/brown tracer connected to it.

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- 9.) Twist the brown wire and the wh/brown tracer wire together which have been placed through the grommet as per para 6 and route these wires to the terminal strip TM-117-26.

Connect the brown wire and the white/brown wire to the green wires to correspond with the previously connected brown wire and the white/brown wire.

- 10.) Locate the "Accessory Power Out" socket. The coaxial cable which has been threaded through the a/m grommet is to be positioned under the T9 leads and routed to the "Accessory Power Out" socket. The coaxial cable conductor is connected, but not soldered to Pin 1 and the coax braid soldered to the existing ground lug on the "Accessory Power Out" socket.

- 11.) Drill a hole in the chassis between V9 and V10 tube sockets to install TE-102-2 stand-off.

Connect CC-109-5 capacitor between Pin 1 of "Accessory Power Out" socket and the TE-102-2 turret terminal. A yellow wire MWC22(7)U4 is installed between the turret terminal and the green terminal of T7.

- 12.) Mount the ST-22-N toggle switch in the new hole on the front panel in accordance with drawing MS-10441, together with escutcheon plate LD-10106.

- 13.) Locate the white/red trace wire which connects the B. F. O. ON/OFF toggle switch (S8) on the front panel to the resistor R86 (RC20GF683K) near tube V13.

- 14.) Disconnect the white/red trace wire mentioned in para 13 from terminal strip, withdraw this wire from the existing main cable except for the last two (2) lacings at the BFO ON/OFF switch.

The white/red trace wire is connected to one of the centre pair of contacts on the newly installed BFO toggle switch.

- 15.) Along the path previously occupied by the withdrawn wire thread a new white/red trace wire approximately 12" longer and connect one end of this wire to the lug on the terminal strip previously occupied by the withdrawn wire. The other end of the wire is routed from the point where it leaves the main cable across the back of the front Panel to one of the lower pair of contacts of the newly installed crystal BFO toggle switch.

NOTE: All connections are to be made to the same side of the switch.

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- 16.) Select the red wire which is fed through the rubber grommet from TS-101-PO1 tube socket. Route this wire directly to the nearer side of the chassis and lace it into the main cable up to the front panel. This red wire is to be routed behind the front panel and soldered to one of the upper pair of contacts of the newly installed BFO toggle switch.

- 17.) Install the modification plate, NP-10006, using the 4 mounting holes provided on the right side of the front panel.