

DATE <u>29/6/60</u> SH. <u>1</u> OF <u>3</u> COMPILED BY <u>R.W.T.</u>	TMC SPECIFICATION NO. S-10053	
	TITLE: DETAILED MODIFICATION INSTRUCTIONS	JOB
APPROVED <u>[Signature]</u>	GPR-90-RX	<u>[Signature]</u>

DETAILED MODIFICATION INSTRUCTIONS

FOR

GPR-90-RX

DATE 29/6/60
SH. 2 OF 3

TMC SPECIFICATION NO. S-10053

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GPR-90-RX

JAC

Drill the main chassis in accordance with drawing MS-10450.

Drill the front panel in accordance with drawing MS-10441.

Take the disc of fish paper (IM-178-1.78) and punch holes in it symmetrically to correspond with MS-10450.

Mount the fish paper on the upper surface of the chassis so that the holes register and stick down with radio cement. Then insert the grommet EY-102-14 in the centre hole.

Connect the lengths of wire specified in ML-10096 to the following pins of tube socket TS-101-P01.

Black	pin 7
Brown	pin 8 (6")
Brown	pin 2 (6")
Red	pin 3
Co-axial Cable (Subminax)	pin 6

Note; the outer braid of the coaxial cable should be cut back $\frac{1}{8}$ " flush with the outer insulation and covered with a helleman sleeve at the tube socket end only.

Immediately beneath the new holes in the main chassis, locate a terminal strip. Lift this strip at least $\frac{1}{8}$ " further away from the chassis by inserting extra nuts between the mounting lugs and the chassis.

Pass all the wires attached to the tube socket through the grommet and mount the socket over the fish paper using the two TE-117-3 soacers.

Select the black wire from the tube socket, cut it and solder it to the left hand ground terminal of the terminal strip.

Solder one brown wire to each of the two lugs carrying heavy green leads from the nearby transformer (T10).

Locate the terminal strip carrying 15 uuf. B.F.O. injection capacitor C59.

Mount on this strip the tubular capacitor CC21SL100D between the unused lug and the lug carrying the green wire to transformer T7.

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SH. 3 OF 3

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Pass the co-axial cable from the tube socket underneath the back edge of the screening box and trim to length, connecting the outer braid to the rear ground lug on the terminal strip and connect the inner to the lug carrying the free end of capacitor CC21SL100D.

Mount the ST-22-N toggle switch in the new hole on the front panel together with escutcheon plate LD-10106.

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 near tube V13.

Disconnect this wire at the terminal strip and run it behind the front panel to be soldered to the centre pair of lugs on the new toggle switch.

Connect a new white/red trace wire to the lug where the other white/red trace wire was disconnected and run it along the side of the screening box until it reaches the point where the wires from the crystal B.F.O. socket emerge through the grommet.

Select the red wire from the grommet and run this together with the white/red trace wire on past the screening box and across to the right hand wall of the chassis. Here they join the harness and run to the front panel.

Connect the red wire to the upper pair of lugs on the new ST-22-N toggle switch and connect the white/red to the lower pair.