

DATE 9/24/59

SH. 1 OF 2

COMPILED BY
D.W. CARTER

TMC SPECIFICATION NO. S-454

TITLE: MODIFICATION OF GPT-750 () 1 RADIO TRANSMITTER
FOR STANDBY OPERATION OF VMO

JOB REV B

APPROVED

P/O MODIFICATION KIT, TMC NO. 148

1. By-pass of main breaker to supply A.C. power to the VMO with main breaker in "OFF" position.

MATERIAL SUPPLIED:

- A. One (1) pre-wired switch (ST-22N) complete with IN-1090 mounting plate and wiring.
- B. Installation Diagram IN-1089 (Sheet 1).
- C. Installation Diagram IN-1089 (Sheet 2).
- D. Installation Drawing IN-1090

PROCEDURE:

- A. Disconnect all A.C. power from the Transmitter by removing the A.C. plug at the rear of the cabinet.
- B. Remove RTP drawer from the cabinet.
- C. Refer to rear view of the Model RTP, Figure 3-4, Page 3-4, of the GPT-750 Instruction Manual.
- D. Remove the left hand spare fuse holder from the RTP front panel and discard.
- E. Remove the cover over CB601 (main circuit breaker) and the long cover over M601.
- F. Insert the pre-wired switch supplied in the hole vacated by "D" above. Orient the switch so that the red, black, and white/black leads are to the right. Attach the switch plate to the switch on the front panel and tighten the securing nut.
- G. Disconnect the white lead which is connected to the base connection of F601 and connect to the bus between the base connections of F602 and F603.
- H. Remove the section of bus between F601 and F602.
- I. Referring to sketch IN-1089 (Sheet 2) make the following connections:
 1. Connect the black lead from the switch to the base connection of F601.
 2. Connect the red lead from the switch to the bus connecting F602 and F603.
 3. Connect the white lead from the switch to the right hand terminal "A", (as viewed from the rear) of CB601, the main circuit breaker.
 4. Connect the white/black lead from the switch to the left hand terminal "A" of CB601, the main circuit breaker.

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5. Connect the white/red lead from the switch to the right hand terminal "C" (115 volt operation) or the right hand terminal "B" (230 volt operation) of CB601, the main circuit breaker.
- J. Replace the covers removed in "E" above.
- K. Reinstall and connect the RTP drawer in the cabinet.
- L. Reconnect A.C. power to the Transmitter.
- M. This completes the modification of the Transmitter for Standby Operation of the VMO.
- N. With the switch installed in "E" above in the "ON" position, power will be supplied to the VMO ovens with the Main Breaker in the "OFF" (down) position. Placing the switch in the "OFF" position disables the bypass feature and restores the Transmitter to normal operation.

