

SECTION VIII

VFO ALIGNMENT.

In the event it should be necessary, for any reason, to re-align the VFO, the following procedure should be followed to assure correct alignment:

PRELIMINARY.

- a. Disconnect all cables from the rear apron of the power supply section and remove this section of the transmitter from the cabinet.
- b. Place all power and control switches in the OFF position.
- c. Insert the AC line cord plug into a 110-115 volt, 60 cycles, single phase current source.
- d. Place the power supply section EXCITER switch to the VFO OPERATE position.
- e. Place the power supply FILAMENT switch to the ON position and allow a ten-minute warm-up period.
- f. Elevate the power supply section chassis to provide convenient access to the VFO slugs and trimmers located on the bottom side of the chassis. It is very important that the power supply section and the VFO remain in their normal operating position or else the compensating capacitors will not function properly and calibration may be off as much as 5-10 KC.

See Figure 1 for identification and location of the alignment slugs and trimmers.

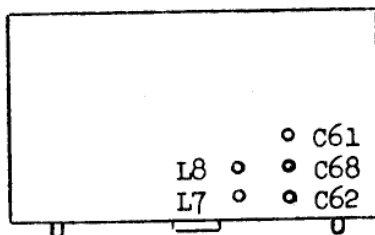


Figure 1 - Bottom View of Power Supply Section

ALIGNMENT PROCEDURE.

- a. Place the EXCITER switch to the VFO TUNE position.
- b. Place the VFO BANDSWITCH to the 160-80 M position.
- c. Tune your receiver (using a 100 KC crystal calibrator) to 1800 KC.