

- (✓) Adjust the top and bottom slugs of transformer T102 for a maximum volume or S Meter indication.
- (✓) Adjust the slug of transformer T103 for a maximum S Meter indication.
- (✓) Repeat the adjustments of transformers T201, T102, and T103 for a maximum S Meter indication.

VFO ALIGNMENT

- (✓) Make sure the Transceiver has been warmed up for at least 30 minutes before making the following adjustments.

NOTE: Refer to Reading the Dial on Page 139.

- (✓) Find the CAL signal within approximately 25 kHz of 3900 kHz (400 on the dial). A general coverage receiver tuned to 5100 kHz will aid in identifying the VFO signal. If you are receiving a CAL signal, it will cease when the Function switch is set at VOX.
- (✓) Find the CAL signal near 4000 kHz. Then carefully turn the dial to its counterclockwise stop. Hold the VFO knob with one hand and, with the other hand, slip the circular dial until the end of the scale marked "Stop" coincides with the hairline at the "500" end. See Detail 8-9A on Page 78.
- (✓) Again tune in the 4000 kHz CAL signal.
- (✓) Carefully tune off the 4000 kHz CAL signal to the side toward the 500 dial reading. Then adjust the VFO COIL to move the CAL signal to your listening frequency. By alternately moving your listening frequency and then adjusting the VFO COIL, you can "walk" the CAL signal in the desired direction until it coincides with the 500 dial reading.
- (✓) Turn the dial to the vicinity of 0 and identify the 3500 kHz CAL signal. Move this signal so that it coincides with the 0 dial reading by adjusting both VFO TRIMMERS.

- (✓) As the two preceding adjustments interact to some extent, repeat them until the 3500 kHz and 4000 kHz CAL signals coincide respectively with the 0 and 500 marks on the dial.

NOTE: The VFO signal may be tuned in on a general coverage receiver at 5000 kHz for the "500" dial setting, and at 5500 kHz for the "0" dial setting.

DRIVER GRID AND PLATE COILS

The driver grid and driver plate coils will be adjusted in the following steps. The coil locations are marked on the shield cover on the bottom of the chassis. These coils must be adjusted in the proper sequence as follows:

- (✓) Set the MAIN TUNING dial to 200, and the DRIVER PRESELECTOR to the 12 o'clock position.
- (✓) Adjust driver grid coil 3.5 and driver plate coil 3.5 for a maximum S Meter indication. The S Meter will move slowly during the adjustment of these two coils.
- (✓) Change the setting of the front panel controls as follows:

DRIVER PRESELECTOR — 29.2 position. See the inset drawing on Figure 1-3 (fold-out from Page 106).

BAND — 29.0.

MAIN TUNING dial (VFO) — 200 kHz.
- (✓) Turn the MAIN TUNING dial back and forth around 29.2 MHz to get the loudest signal. Check for the calibrate signal by turning the DRIVER PRESELECTOR to make sure there is a variation in volume. Return the DRIVER PRESELECTOR to the 29.2 position.
- (✓) Adjust driver grid coil 29 and driver plate coil 29 for a maximum S Meter indication.