

FINAL TUNE

After the VFO dial has been set to the desired operating frequency and the FUNCTION switch set to the TUNE position, this control is adjusted for a maximum meter indication, tuning the transmitter for maximum output,

CARRIER NULL (ON CIRCUIT BOARD)

This control serves to balance the balanced modulator to eliminate the carrier from the output signal of the transmitter.

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Turning the VFO dial selects the desired operating frequency: the transmitter and receiver are set at the exact same frequency,

METER

In the BIAS SET position, the meter indicates final cathode current; 300 ma full scale. In the OPERATE-TUNE position, it indicates signal strength, ALC action, and relative output power,

METER SWITCH

Placing this switch in the OPERATE TUNE or BIAS SET position gives the operator a quick check on the various functions in the transceiver.

FUNCTION

The FUNCTION switch permits turning the Transceiver On or Off, and selects the PTT, VOX, CAL, or TUNE mode of operation.

BIAS ADJ

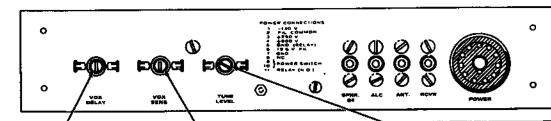
With the microphone button depressed for PTT operation and with the Mater switch in the BLAS SET position, the BLAS ADJ control should be adjusted for an S3 meter reading. A triangle is marked at 83 on the meter scale to indicate the proper bias setting. Do not allow the meter reading to exceed S3 without modulation,

MIC GAIN

When the operator talks into the microphone the MIC GAIN control should be adjusted so the meter indication is about three to six "5" units on average talking, with the meter switch in the OPERATE-TUNE position, There will always some output, even when control is turned fully counterclockwise.

LSB USB

Used to select the desired sideband.



VOX DELAY

S METER ADJ

AF VOL

RF ATTN

With the FUNCTION switch set at PTT and the METER switch in the OPERATE-TUNE posi-tion, adjust the S METER ADJ control for a zero indication with the RF GAIN control fully counterclockwise and with no signal being received

The setting of the AF VOL control determines the audio output level to the speaker.

Normally this control is operated in the fully

clockwise position. For extremely strong sta-tions, the control should be turned counter-clockwise until the desired level is obtained.

Turning this control counterclockwise increases the time the transmitter stays on after the operator stops talking into the microphone when using VOX.

The YOX SENS control is adjusted for the desired sensitivity to turn the transmitter on when the operator talks into the microphone, Clockwise rotation increases the sensitivity.

TIME LEVEL

After an operating frequency has been selected by the VFO dial, the FINAL TUNE control is adjusted for a maximum meter indication, with the FUNCTION switch in TUNE and the meter switch at OPERATE TUNE. The TUNE LEVEL control should then be adjusted for approxi-mately an S8 meter reading.

Figure 4-4