

## INITIAL TEST SET-UP

1. Set the unit down with the speaker grill facing upwards. Remove the five (5) Phillips-head screws securing the "speaker-mounted" chassis cover.

NOTE: When removing the cover, care should be taken not to damage the speaker lead wires. These wires should remain connected to the speaker terminals to insure a proper load across the secondary of the output transformer. If the output meter used for alignment is terminated with an 8-16 ohm load, the speaker lead wires may be connected directly to the output meter.

2. Connect the unit to a suitable DC power source. If a variable DC power supply is used, the DC voltage should be set to approximately 13.5 volts.
3. For receiver alignment, the RF signal generator should be terminated into a 50-ohm impedance before connection to the receiver. Set the signal generator to provide a 30% modulated signal at approximately 400 cycles.

TABLE 1. RECEIVER ALIGNMENT

STEP	INPUT SIGNAL AND S. G. COUPLING	REC/ VFO TUNE	ADJUST	AC VOLTMETER CONNECTIONS	INDICATION
IF Alignment	1.65 Mc Metallic case of TR2	51 Mc	L-4, 5, 6, 7, 8	Across  speaker  terminals	Maximum
Receiver Oscillator Tuning	ANTenna Connector 50 Mc	50 Mc	L-3*		output
	ANTenna Connector 52 Mc	52 Mc	VC-3 Trimmer "B"*		
Antenna Input	ANTenna Connector 50 Mc	50 Mc	L-1*, L-2*		on
	ANTenna Connector 52 Mc	52 Mc	VC-3 Trimmer "C"*		AC Voltmeter
S-Meter	ANTenna Connector 51 Mc (100 $\mu$ V signal)	51 Mc	VR-4	-----	"S9" on S-Meter

\*Adjustments should be repeated until calibration is correct at both ends of dial.

## TRANSMITTER VFO

Do not attempt to align the VFO section unless the receiver portion of the HA-750 is accurately calibrated or some means of accurate frequency measurement equipment is available.

1. Set all controls as indicated previously.
2. Set SPOT switch to "ON".
3. Follow procedure given in Table 4.