

# the hallicrafters co.

## TR-88 TRANSISTOR RADIO

#### IF ALIGNMENT

STEP	SIGNAL GENERATOR CONNECTIONS	GENERATOR FREQUENCY	RECEIVER DIAL SETTING	ADJUST	REMARKS	
1	Across secondary of stick-loop ant. (terminal strip on top side of chassis).	ick-loop ant. (ter- modulated inal strip on top		A, B & C i-f slugs	Tune for maximum output.	
2	Same as step 1.	Same as step 1	Slowly tune over entire range.	E & D Neutralizing adj.	Adjust so that no os- cillation occurs throughout the tun- ing range.	

I-F oscillation will appear in the output, as heard in the speaker, as distortion that may range from "motor boating" to howl. Some compromise adjustment of the i-f slugs A, B & C, may be required to permit neutralization over the entire tuning range.

#### RF ALIGNMENT

3	Same as step 3. 535 KC T		Tuning gang open.	G, Osc, trimmer	Tune for maximum output.  Same as step 3.	
4			Tuning gang closed.	F, Osc. Coil slug		
5	Same as step 3.	1400 KC modulated	1400 KC	H, Ant. trimmer	Same as step 3.	

### TRANSISTOR SUBSTITUTION CHART

Hallicrafter Part	General Transistor	G.E.	Raytheon	RCA	Texas Inst.
112-001 112-002 112-003* 112-004	GT 761 GT 760 GT2N109 GT81, 2N109	2N136 2N135 2N186 2N191	760, 2N112,CK 761 CK760, 2N112 CK <b>766</b> 	2N139 2N109 2N109	 2N109, 352 310

\* The audio output transistors were installed at the factory as a matched pair. If replacement of either unit becomes necessary it is recommended that a new matched pair be installed.



