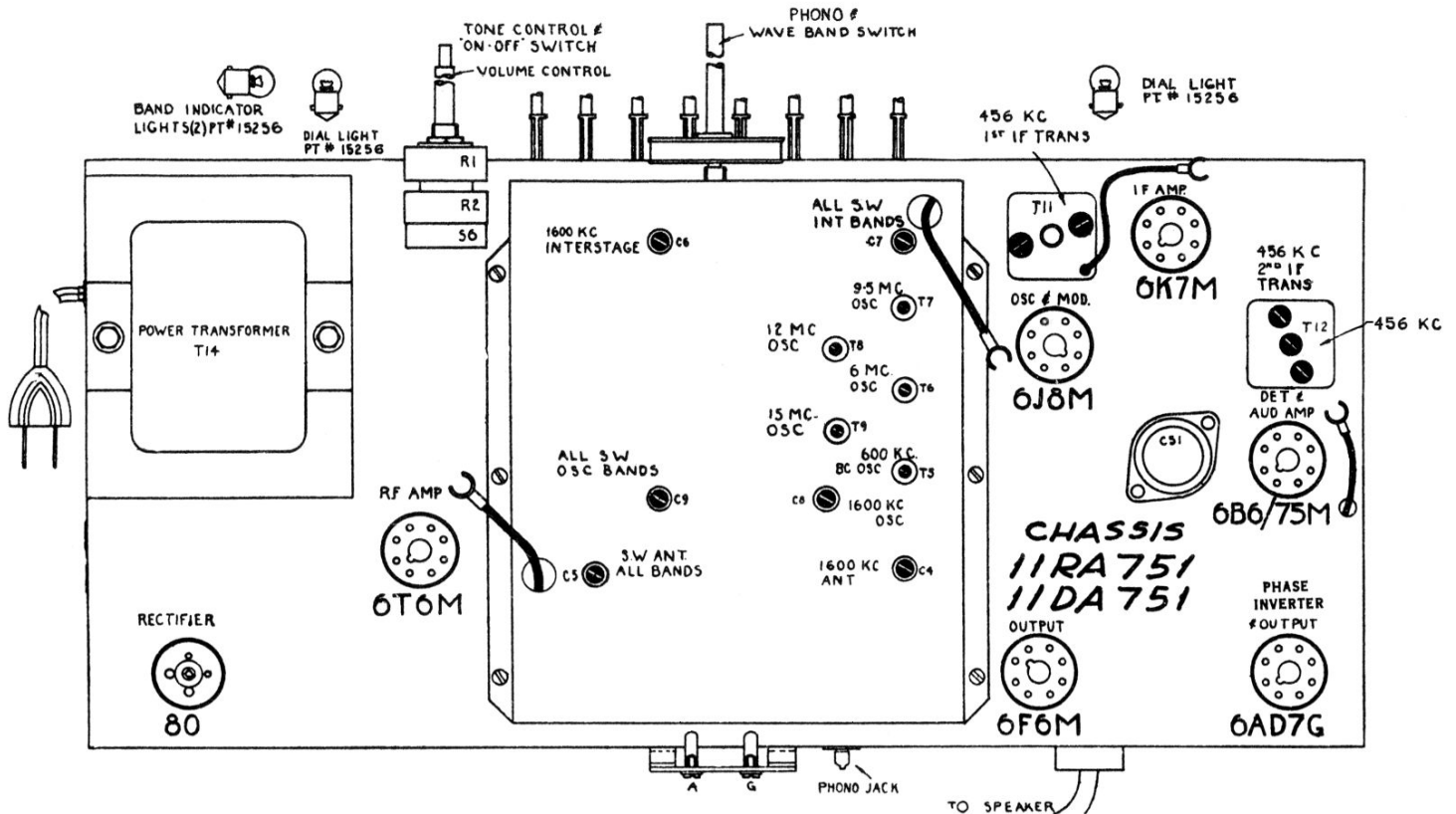


Rogers 16-77 De Forest 77-42 (Chassis 11RA751, 11DA751)



The automatic push buttons are very easy to "set up" on these models; simply lift the front of the keys up, one at a time, tune the desired station in manually, and then press the key down into the original position. DO NOT ATTEMPT TO REMOVE KEYS.

ALIGNMENT DATA INTERMEDIATE and BROADCAST BAND FREQUENCIES

751, 951

Operation	Connect Generator	Set Generator Tuning	Set Receiver Tuning	Dummy Antenna	Vol. Cont.	Adjust	Remarks
1	To Grid Cap of 6J8M Tube	456 Kcs.	700-800 Kcs.	.1 Mfd.	Max.	C10, C11, C12, C13, C14	To Peak I.F.
2	To Antenna	1600 Kcs.	1600 Kcs.	.0002 Mfd.	Max.	C8	To Peak Osc.
3	To Antenna	1600 Kcs.	1600 Kcs.	.0002 Mfd.	Max.	C6	To Peak I.S.
4	To Antenna	1600 Kcs.	1600 Kcs.	.0002 Mfd.	Max.	C4	To Peak Ant.
5*	To Antenna	600 Kcs.	600 Kcs.	.0002 Mfd.	Max.	T5	To Track Osc.
6	To Antenna	1600 Kcs.	1600 Kcs.	.0002 Mfd.	Max.	C8, C6, C4	To Recheck Adjus

651, 751, 951

SHORT-WAVE SPREAD-BAND

The most satisfactory method of aligning and checking the spread-band ranges is through the use of actual short-wave stations of known frequencies, which are tuned in on a specific receiver band and deviations from calibration noted.

When using a signal generator allow it to operate until it stops drifting. Check its calibration against known stations at or near the aligning frequencies shown.

Operation	Connect Generator	Generator Tuning	Receiver Tuning	Dummy Antenna	Adjust	Lineal Deviation
1	To Antenna	15.22 Mcs.	15.22 Mcs.	400 Ohms	C9	+ 1/8"
2	To Antenna	6.1 Mcs.	6.1 Mcs.	400 Ohms	T6	+ 1/8"
3	To Antenna	9.6 Mcs.	9.6 Mcs.	400 Ohms	T7	+ 1/8"
4	To Antenna	11.8 Mcs.	11.8 Mcs.	400 Ohms	T8	+ 1/8"
5	To Antenna	15.2 Mcs.	15.2 Mcs.	400 Ohms	T9	+ 1/8"
6	To Antenna	For maximum sensitivity in the middle of the 6. mc. band		400 Ohms	C7	To Peak I.S.
7	To Antenna			400 Ohms	C5	To Peak Ant.

NOTE—Do not use adjustment C7 on the 11DA651 chassis.

Use only a visual output indicator during alignment. Keep the generator output low—only sufficient to give a readable indication.

The dummy antenna must be non-inductive, preferably that using isolantite sleeve and metal ends.