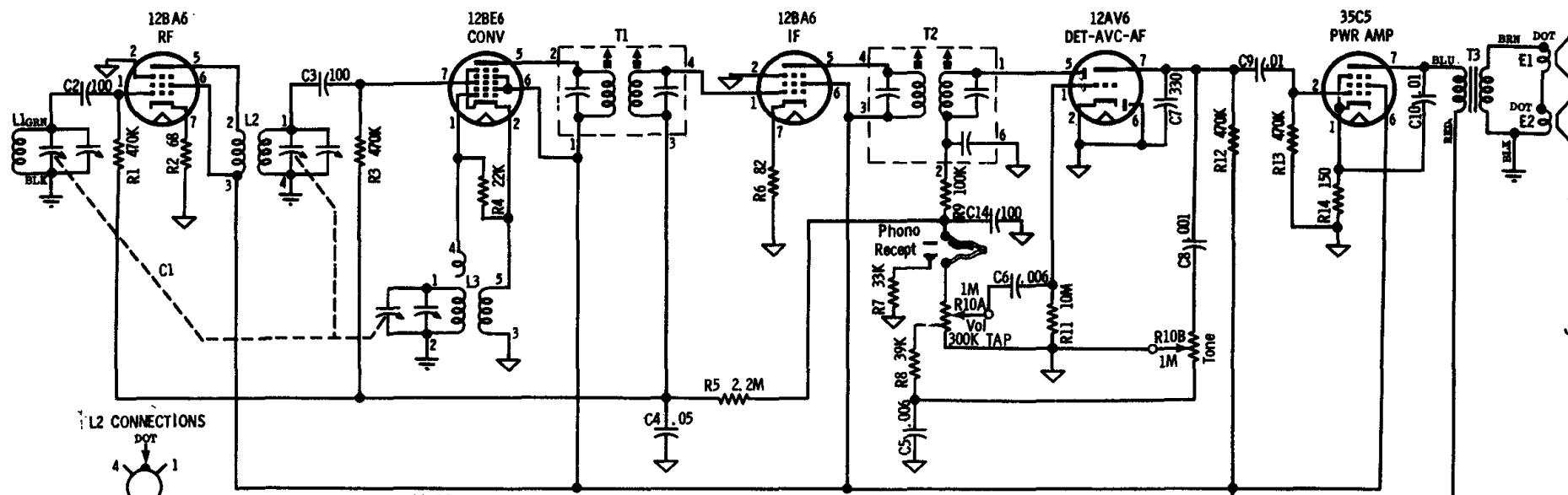


MODELS CHASSIS
66X1 Mahogany HS-478
66X2 Ivory HS-478



NOTES:
 Capacitors - decimal values in MF all others in MMF unless otherwise specified.
 Voltages - measured from point indicated to B- with a VTVM. No signal input.

T1 CONNECTIONS



T2 CONNECTIONS



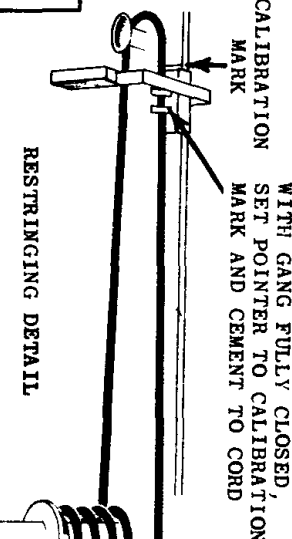
ALIGNMENT

Use an isolation transformer between the power line and the receiver. If not available, connect low side of generator to chassis through a .1 mf capacitor. Connect speakers and a low range output meter across output transformer secondary and set volume control to maximum. Attenuate generator output to maintain .565 volts on output meter to prevent overloading.

STEP	DUMMY ANTENNA	GENERATOR CONNECTION	GENERATOR FREQUENCY (400 cycle mod)	GANG SETTING	ADJUST	REMARKS
IF ALIGNMENT 1.	.1 mf	Grid of conv. (pin 7, 12BE6)	455 Kc	Fully open	1, 2, 3 & 4 (IF cores)	Adjust for maximum. Use insulated screwdriver.
OSC ALIGNMENT 2.	.1 mf	Grid of conv. (pin 7, 12BE6)	1620 Kc	Fully open	5 (Osc)	Adjust for maximum.
RF ALIGNMENT 3.	-	Radiation loop*	1400 Kc	Tune for max	6 (RF)	Adjust for maximum.
4.	-	Radiation loop*	1400 Kc	Tune for max	7 (Ant)	Adjust for maximum.

*Connect generator output across 5" diameter, 5 turn loop and couple inductively to receiver loop. Keep loops at least 12" apart.

THE SPEAKERS MUST BE IN PHASE OR A LOSS OF LOW FREQUENCIES WILL RESULT.



MOTOROLA