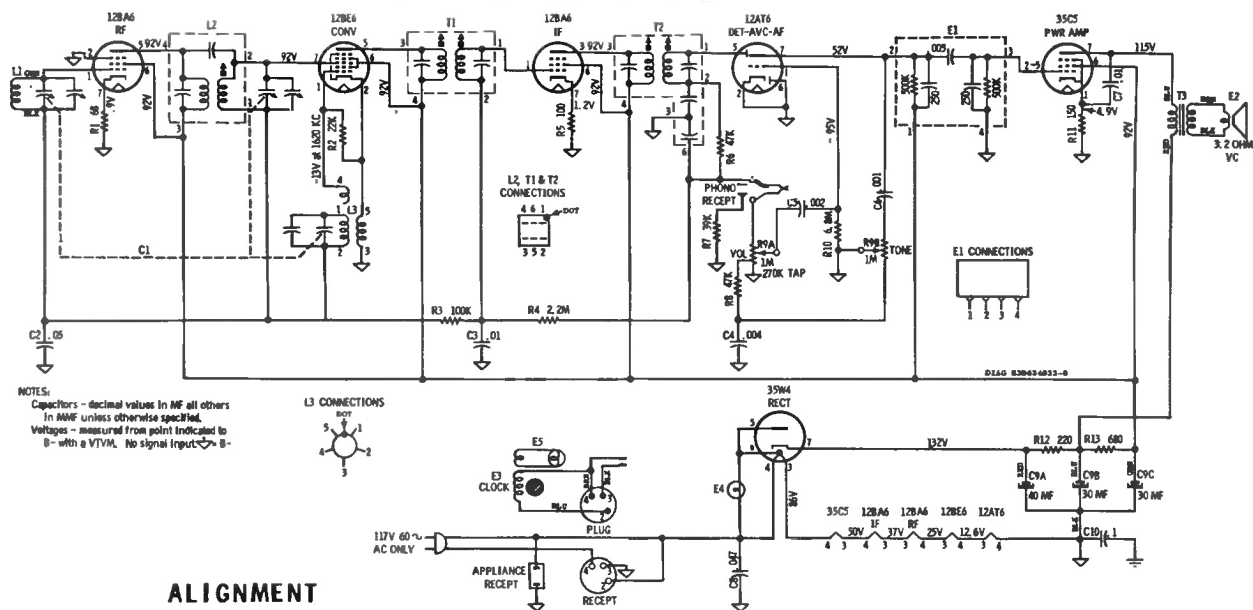


MOTOROLA

MODELS CHASSIS
66C1 Ivory HS-458
66C2 Gray HS-458



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. Temporarily connect the clock, antenna and speaker to radio. Connect a low range output meter across the voice coil and set volume control to maximum and tone control to treble. Attenuate generator output to maintain .4 volts on output meter at all times to prevent overloading; if noise is too high during radiation measurements use 1.25 volt output.

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.
RF ALIGNMENT						
2.	.1 mf	Grid of conv. (pin 7, 12BE6)	1620 Kc	Fully open	5 (Osc trim)	Adjust for maximum.
3.	-	Radiation loop*	1400 Kc	Tune for max	6 (RF trim) & 7 (Ant trim)	Remove dial scale background to make trimmers accessible. Adjust for maximum.
4.	-	Radiation loop*	600 Kc	Tune for max	8 (RF core)	Adjust for maximum.
5.	-	Radiation loop*	1400 Kc	Tune for max	6 (RF trim)	Adjust for maximum.

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

