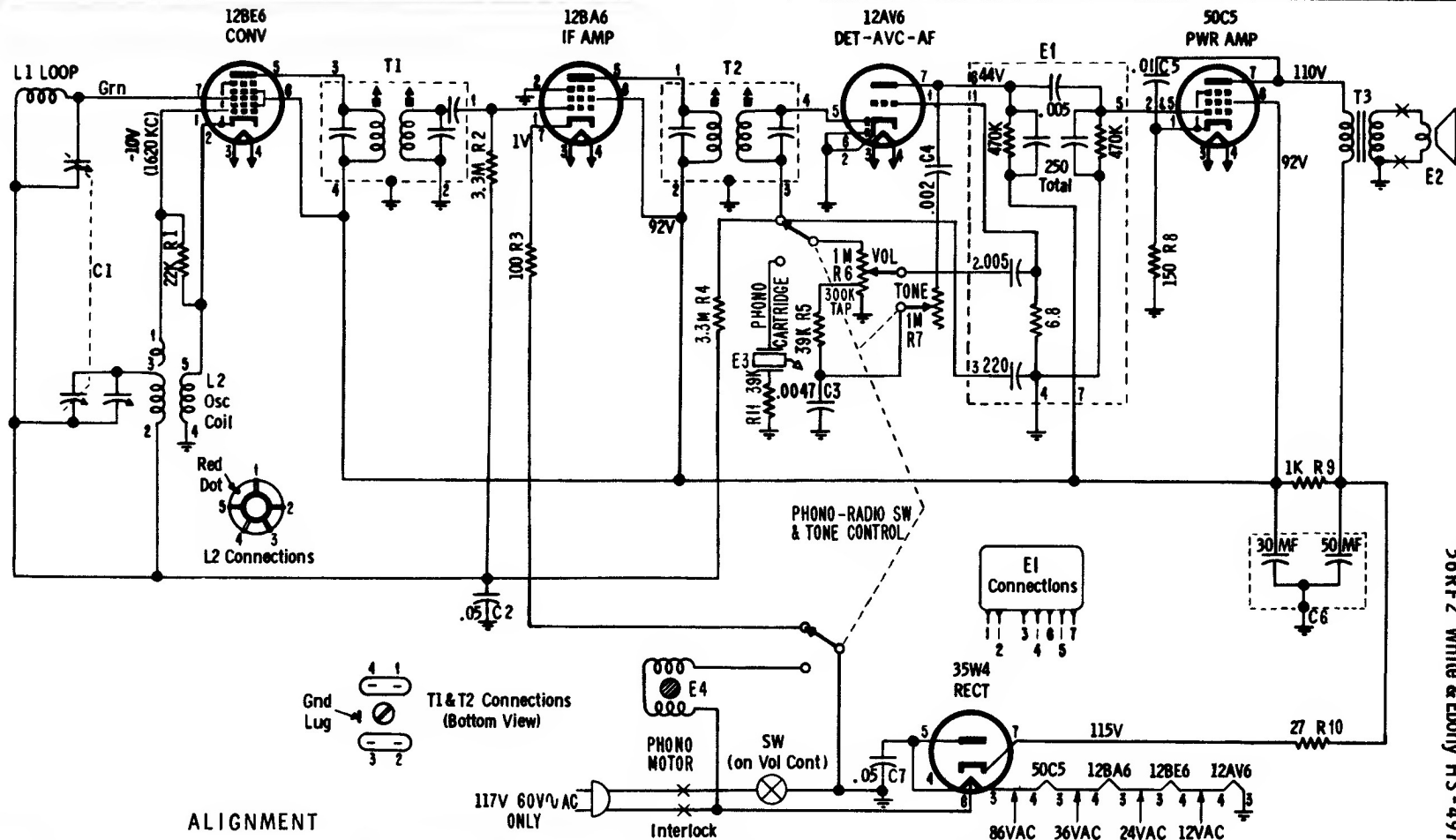


MOTOROLA INC.

MODELS
56RF1 Red and Gray HS-497
56RF2 White & Ebony HS-497

CHASSIS



ALIGNMENT

Use an isolation transformer between the power line and the receiver. If not available, connect low side of generator to ground (outer chassis edges) through a .1 mf capacitor. Temporarily connect speaker and antenna leads to receiver. Connect a low range output meter across speaker voice coil and set volume control to maximum and tone control to treble. Attenuate generator output to maintain .40 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.

NOTES:

Capacitors - Decimal values in MF, all others in MMF unless otherwise specified

Volages - Measured from point indicated to ground with a VTVM. No signal input
Input voltage - 117V AC $\pm 10\%$.

Tuning Range - 535 to 1620 KC
IF - 455 KC