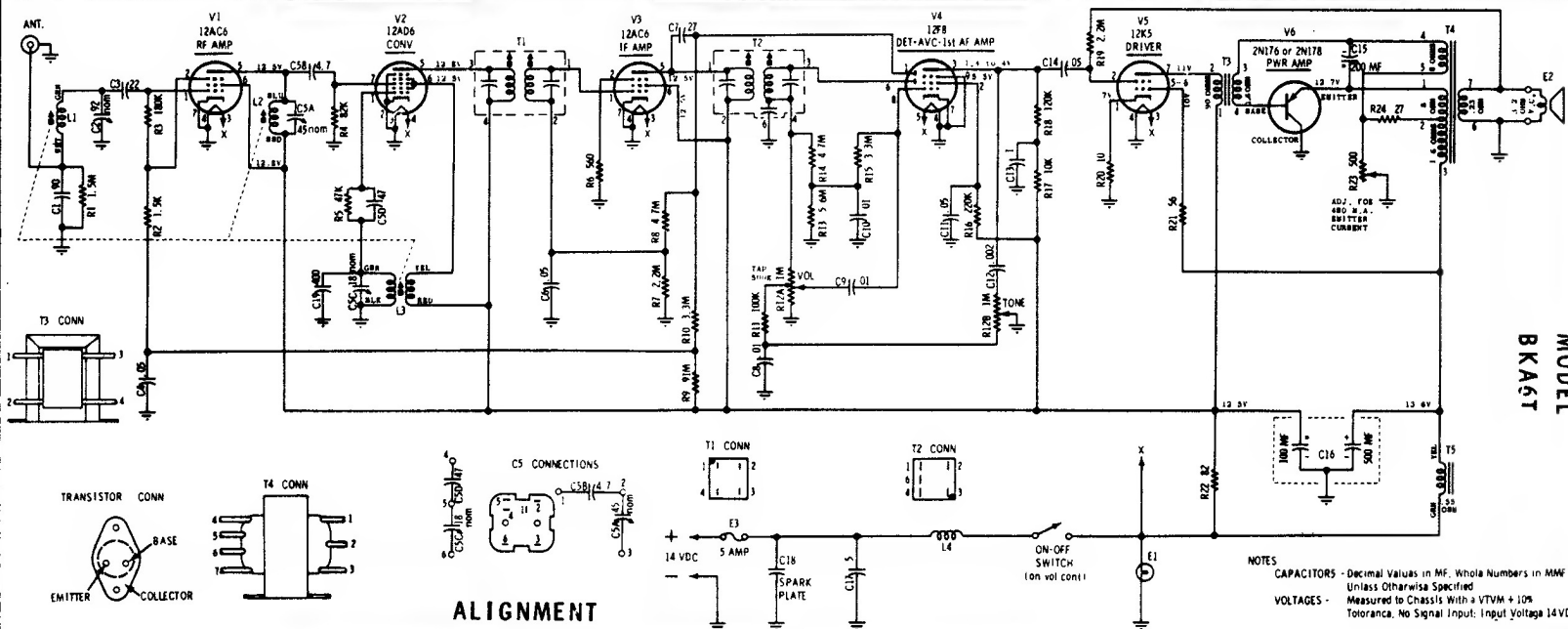


MOTOROLA

MODEL 6KA6T



Connect an output meter across the speaker voice coil. Set tone to high and volume to maximum. Attenuate signal generator output to maintain 1.79 volts on output meter to prevent overloading the receiver.

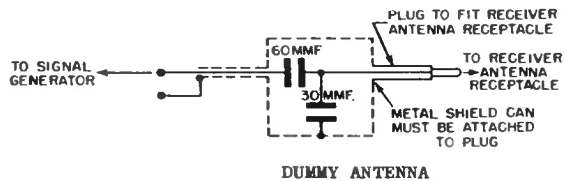
STEP	GENERATOR CONNECTION	GENERATOR FREQUENCY (400 cycle mod)	TUNER SET TO	ADJUST	REMARKS
1.	IF ALIGNMENT Conv grid (pin 7) .1 mf & thru chassis	455 Kc	Hi end stop	1, 2, 3 & 4	Peak for maximum.
2.	RF ALIGNMENT Ant recept through dummy (see Fig.)	1610 Kc	Hi end stop	5, 6 & 7	Peak for maximum.
NOTE: Do not perform steps 3, 4, 5 & 6 unless the tuner has been tampered with or components have been replaced. Before proceeding with step 3, back tuning cores 1" out of coils to eliminate their effect on trimmer adjustments. Remove the escutcheon, dial background plate and the pilot light socket to expose the tuning cores.					
3.	Ant recept through dummy (see Fig.)	1610 Kc	Hi end stop	5, 6 & 7	Peak for maximum.
4.	"	1200 Kc	Tuner carriage 9/32" from hi end stop	8, 9 & 10	Peak for maximum using alignment tool Motorola Part No. 66A76278.
5.	"	1610 Kc	Hi end stop	5, 6 & 7	Peak for maximum.
6.	Repeat steps 4 & 5 until no further increase; then cement tuning cores in place.				
7.	ANTENNA TRIMMER		Weak station around 1400 Kc	7	With radio installed in car and antenna fully extended, peak antenna trimmer for maximum.

- RADIO POLARITY** - When servicing this radio on the service bench, be sure that the radio housing is connected to the negative side of the power source and that the "A" lead connects to the positive side.
- TRANSISTOR REPLACEMENT** - When replacing a transistor, be sure that the transistor contacts are connected as follows: the lead from the driver transformer T-3 to the base terminal; the lead from the output transformer T-4 to the emitter terminal; the collector is automatically grounded when the transistor is mounted to the heat radiator. The schematic diagram shows the position of the transistor electrodes as viewed from the terminal side. Care should be taken when mounting the transistor to the heat radiator; if not securely mounted, the transistor may be damaged from lack of proper heat dissipation. NOTE: When a transistor is replaced, the emitter current should be checked. (See EMITTER CURRENT ADJUSTMENT).
- EMITTER CURRENT ADJUSTMENT** - To adjust the emitter current, insert a milliammeter in series with the emitter electrode. This can be done by unplugging emitter lead and connecting positive side of milliammeter to lead, and negative side to transistor emitter terminal. Adjust the variable 500 ohm resistor R-23 for 480 ma emitter current. Note: This milliammeter should be a quality instrument with low internal resistance of .1 ohm max.

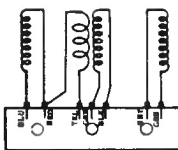
MOTOROLA INC.

Model BKA6T

Alignment Adjustments and Parts Location



L2 (RF) L3 (OSC) L1 (ANT)



L1, L2, & L3 CONNECTIONS

