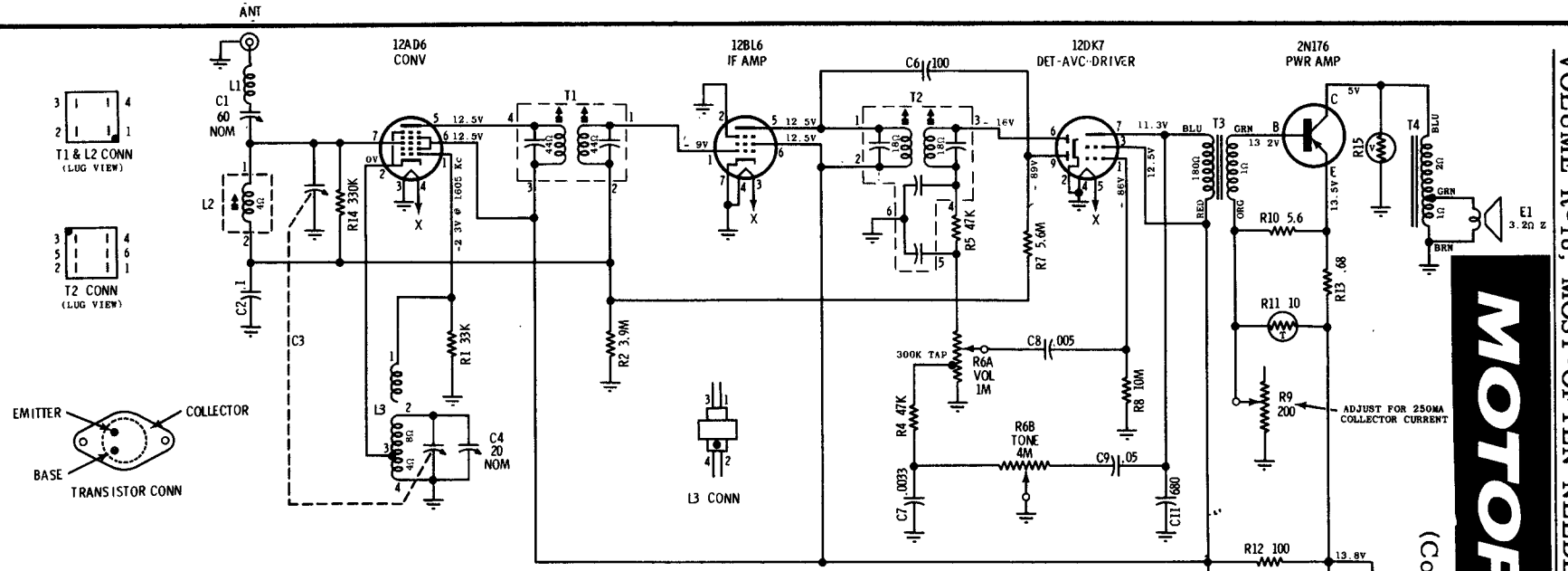


(Continued on page 93)

ALIGNMENT

Connect an output meter across the speaker voice coil. Set tone control to high and volume to maximum. Attenuate signal generator output to maintain 1.3 volts on output meter to prevent overloading the receiver.

STEP	GENERATOR CONNECTION	GENERATOR FREQUENCY (400 cycle mod)	GANG SETTING	ADJUST	REMARKS
IF ALIGNMENT					
1.	Grid of conv (pin 7 12AD6) through .1 mf capacitor & chassis	455 Kc	Fully open	1, 2, 3 & 4	Peak for maximum.
RF ALIGNMENT					
2.	Ant recept through dummy antenna.	1605 Kc	Fully open	5	Peak for maximum.
3.	"	1400 Kc	Tune for max	6	Peak for maximum.
4.	"	600 Kc	Tune for max	7	Peak for maximum while rocking gang.
5.	Repeat steps 3 & 4 until no further increase.		The last adjustment should be the trimmer (6).		
ANTENNA TRIMMER					
6.	—	—	Tune to a weak station around 1400 Kc	6	With radio installed in car and antenna fully extended, peak antenna trimmer for max.

(For location of alignment adjustments see illustration on page 93)

CAUTION

"A" LEAD MUST BE CONNECTED TO POSITIVE (+) SIDE OF POWER SUPPLY. RADIO WILL NOT OPERATE AND DAMAGE TO COMPONENTS WILL RESULT IF CONNECTED OTHERWISE.

NOTES:
CAPACITORS Decimal values in MF. All others in MMF unless otherwise specified.
VOLTAGES - Measured from point indicated to chassis, ±10%. No signal input.
INPUT VOLTAGE - 14V DC.
TUNING RANGE - 540 KC to 1605 KC
IF - 455 KC

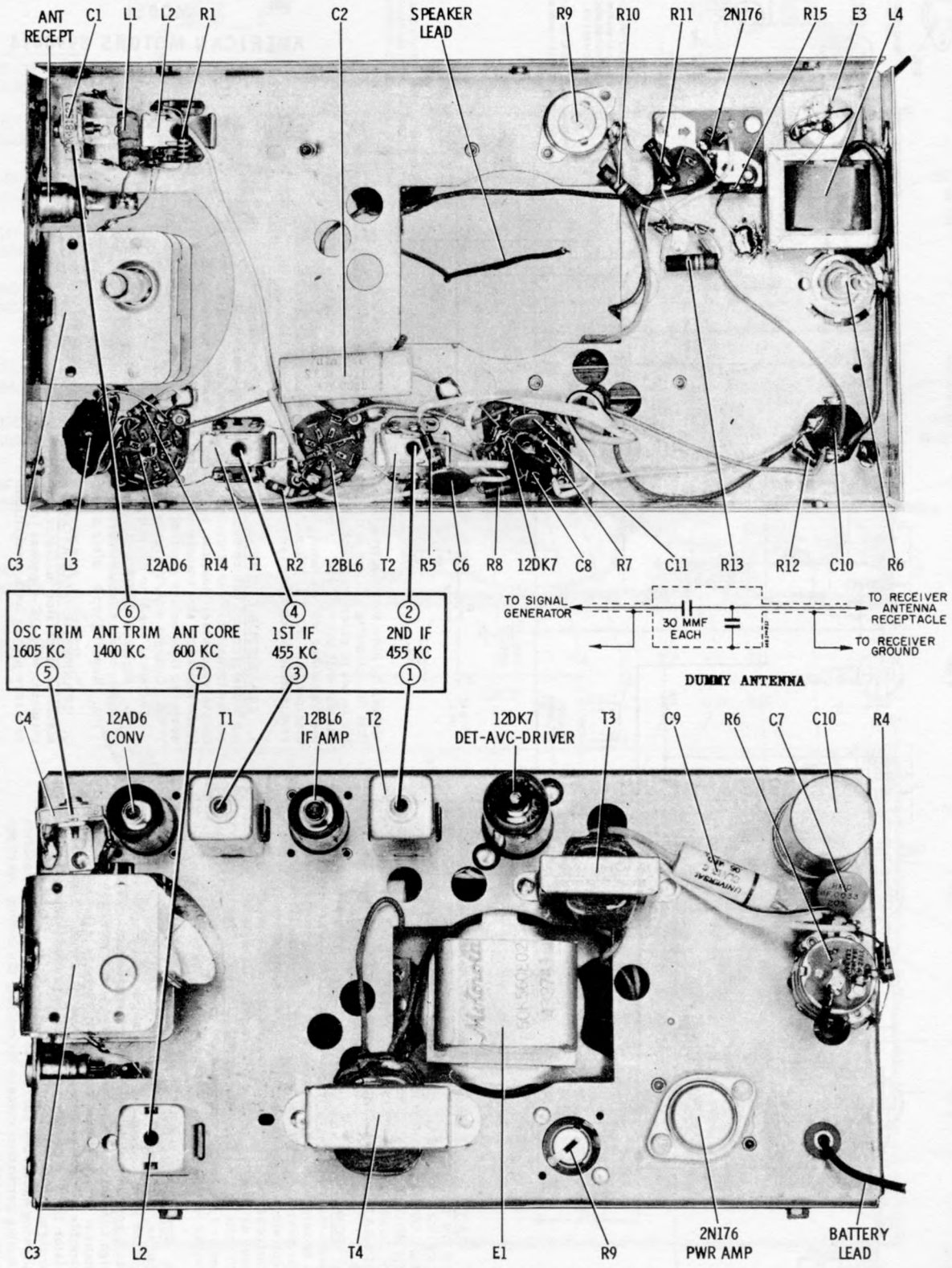
MOTOROLA

MODEL
AMERICAN MOTORS 8990543
MOTOROLA 83MR

MOTOROLA

Model 83MR, American Motors 8990543

(Continued from page 92)



ALIGNMENT ADJUSTMENTS AND PARTS LOCATIONS