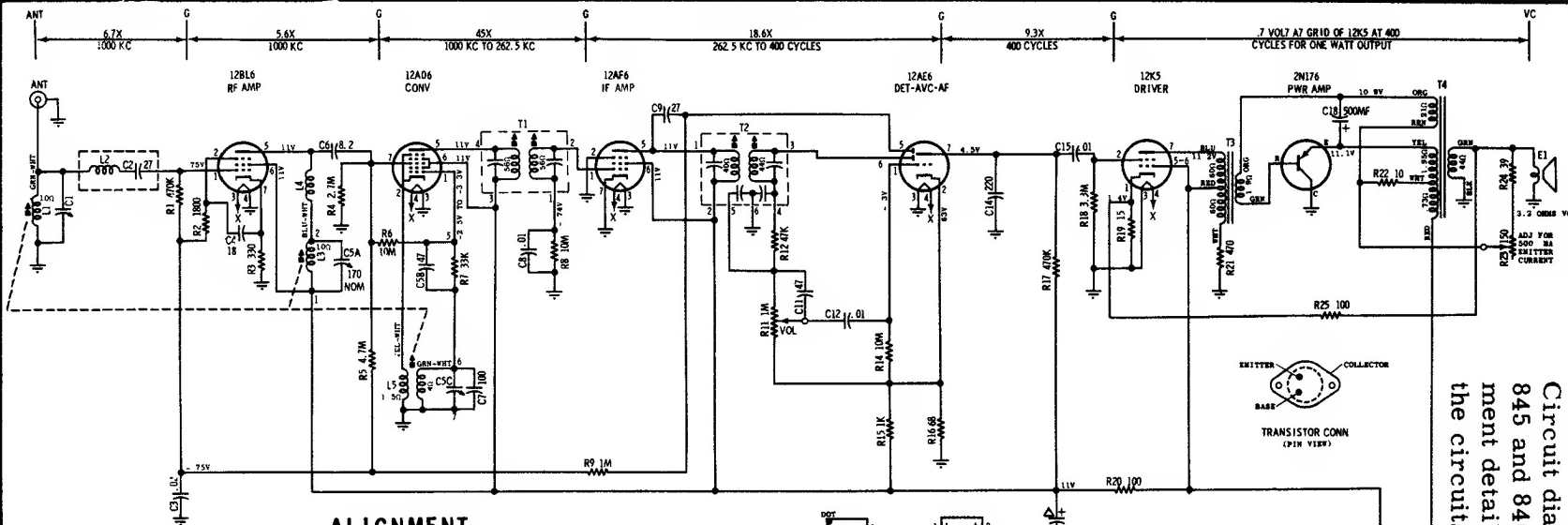


Circuit diagram of Model 849 below; circuit for Models 845 and 846 is on the next page, adjacent at right. Alignment detail illustrations continued on the page following the circuits.



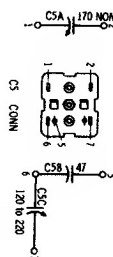
ALIGNMENT

Connect an output meter across the speaker voice coil. Set volume to maximum. Attenuate signal generator output to maintain 1.79 volts on output meter at all times.

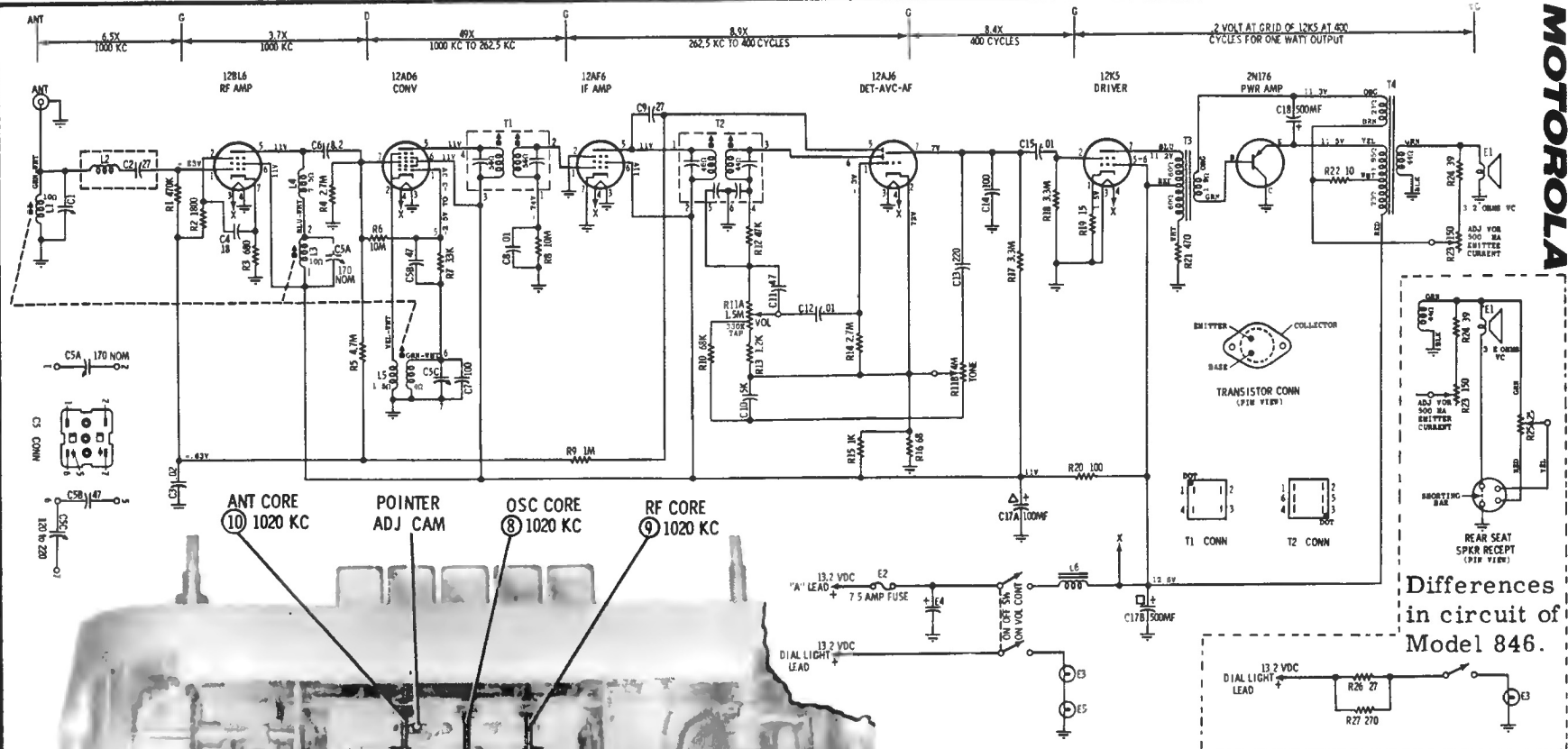
STEP	GENERATOR CONNECTION	GENERATOR FREQUENCY (400 cycle mod)	TUNER SET TO	ADJUST	REMARKS
IF ALIGNMENT 1.	12AD6 grid (pin 7) thru .1 mf capacitor & chassis	262.5 Kc	Hi end stop	1, 2, 3 & 4	Adjust for maximum.
RF ALIGNMENT 2.	Ant recept thru dummy antenna (see Figure)	1610 Kc	Hi end stop	5, 6 & 7	Adjust for maximum.
NOTE: Do not perform steps 3, 4, 5 & 6 unless the tuner has been tampered with or components have been replaced. Remove escutcheon to expose tuning cores. Before proceeding with step 3, back tuning cores 1-3/8" out of coils to eliminate their effect on the trimmer adjustments.					
3.	Ant recept thru dummy antenna (see Figure)	1610 Kc	Hi end stop	5, 6 & 7	Adjust for maximum.
4.	"	1020 Kc	49/64" from hi end stop	8, 9 & 10	Adjust for maximum. Use alignment tool Part No. 66A76278.
5.	"	1610 Kc	Hi end stop	5, 6 & 7	Adjust for maximum.
6. Repeat steps 4 and 5 until no further increase; then cement cores in place. Step 5 should be the last step.					
ANTENNA TRIMMER 7.	-		Weak station around 1400 Kc	7	With radio installed in car and antenna fully extended, peak antenna trimmer for maximum.

MODEL 849 SCHEMATIC DIAGRAM

NOTES
Capacitors - Decimal values in MF. All others in MMF unless otherwise specified.
Voltages - Measured from point indicated to chassis with a VTVM. Tolerance $\pm 10\%$.
No signal input. Input voltage 13.2 VDC.



Model 845 Dodge D66, D67, D70, D71, D72
Model 846 DeSoto S25, S26, S27
Model 849 Plymouth P30, P31



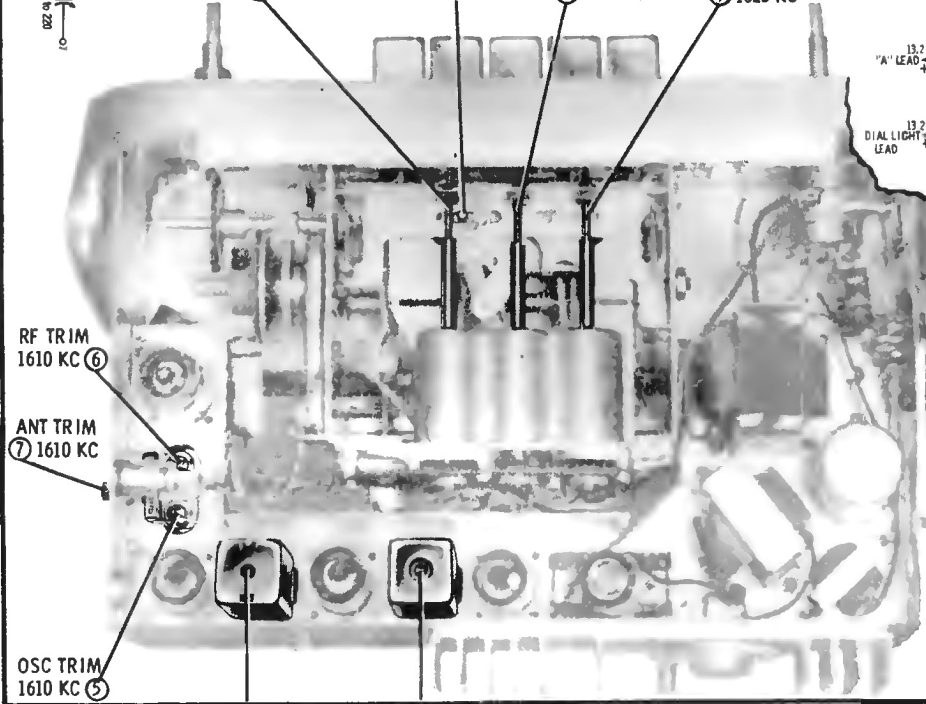
Differences in circuit of Model 846.

Circuit of MOTOROLA Models 845 and 846

NOTES:
Capacitors - Decimal values in MF. All others in MMF unless otherwise specified.
Voltages - Measured from point indicated to chassis with a VTVM. Tolerance $\pm 10\%$.
No signal input. Input voltage 13.2VDC.

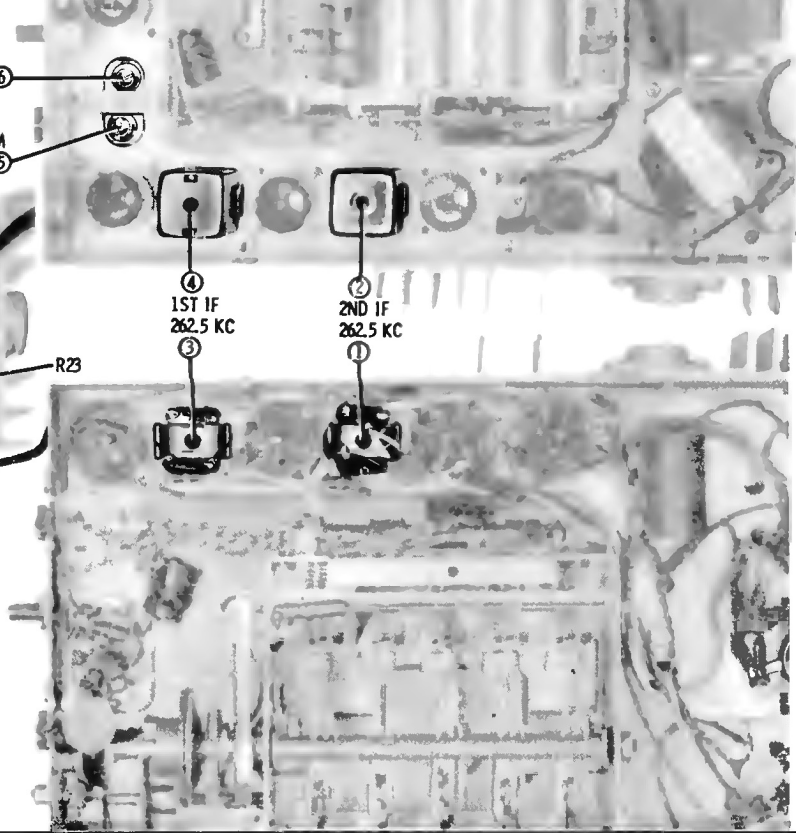
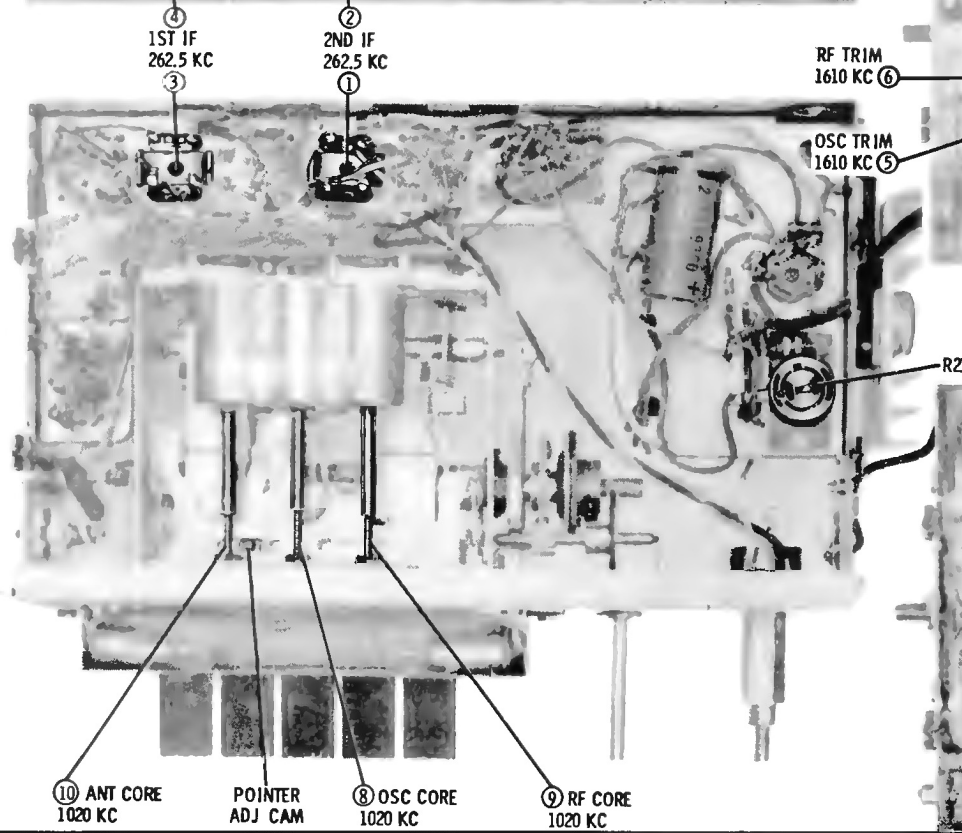
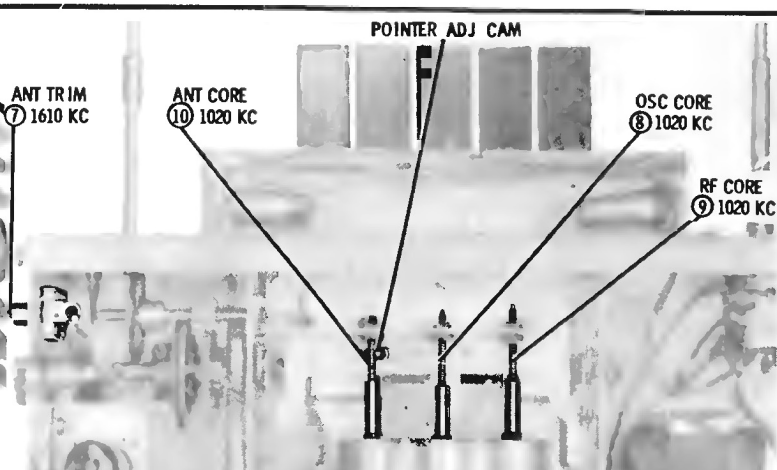
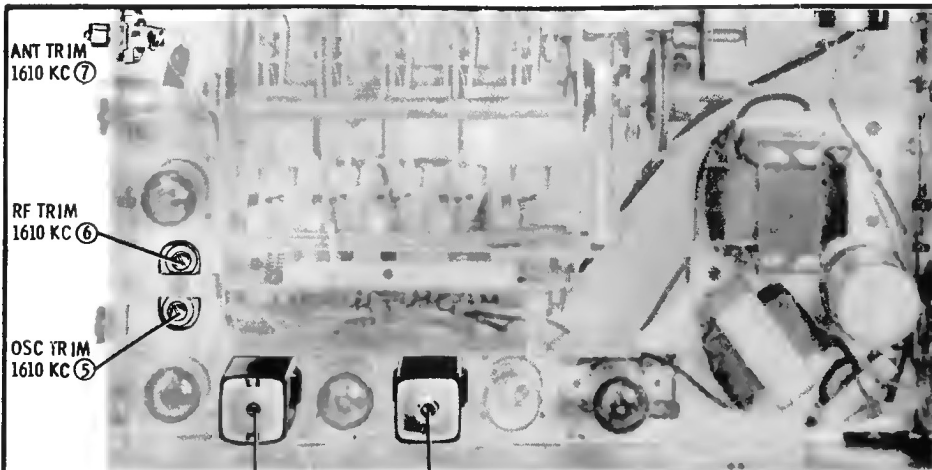
TRANSISTOR REPLACEMENT - When replacing a transistor, set the transistor bias control resistor (R-23) to its maximum resistance position and be sure that the transistor mounting screws are securely tightened. Adhering to these precautions will prevent damage to the transistor from low bias and lack of heat dissipation.

EMITTER CURRENT ADJUSTMENT - The emitter current is adjusted by variable resistor R-23 for a 450 Ma flow through the transistor with 12 volts at the receiver's "A" lead. The current is adjusted by measuring the voltage drop across the top section of the output transformer T-4 primary winding. Connect the negative lead of a low range VTVM to the yellow lead of T-4 (top of primary winding) and the positive VTVM lead to the white lead of T-4 (tap on primary); adjust R-23 for a .85 volt reading



MODEL 846 ALIGNMENT DETAIL

MOTOROLA Models 845 and 849 Alignment Detail



MODEL 849 ALIGNMENT DETAIL

MODEL 845 ALIGNMENT DETAIL