

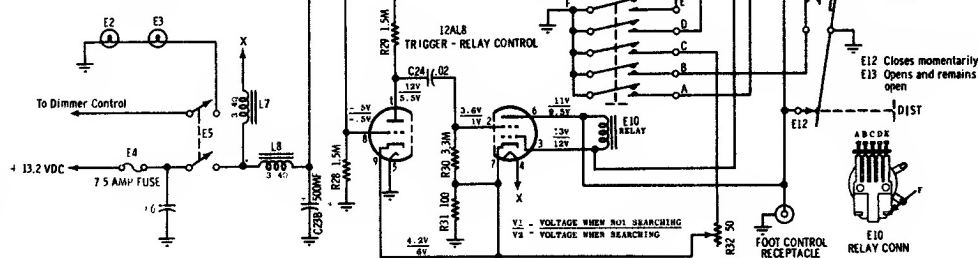
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TRANSISTOR REPLACEMENT - When replacing a transistor, set the transistor bias control resistor (R-24) to its maximum resistance position and be sure that the transistor mounting screws are securely tightened. Adhering to these precautions will prevent damage to the transistor from low bias and lack of heat dissipation. NOTE: After replacing a transistor, adjust the EMITTER current as explained under **EMITTER CURRENT ADJUSTMENT**.

TUBE CHECK - Substituting a known good tube for a suspected one is the best and only check recommended at this time.

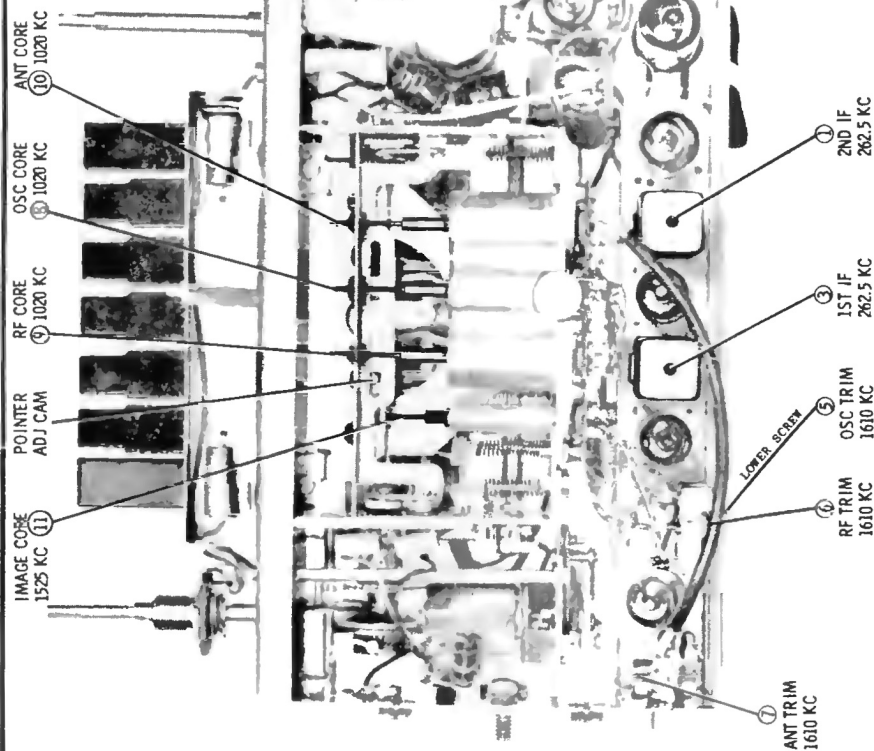
CAUTION
"A" LEAD MUST BE CONNECTED TO POSITIVE (+) SIDE OF
POWER SUPPLY. RADIO WILL NOT OPERATE AND DAMAGE
TO COMPONENTS WILL RESULT IF CONNECTED OTHERWISE



MOTOROLA MoPar 918 and MoPar 919 ALIGNMENT

Connect a VTVM across the AVC line and ground (see ALIGNMENT LOCATIONS detail). Set volume control to its mid-position. Attenuate signal generator output to maintain 1.5 to 2 volts on VTVM at all times to prevent overloading the receiver.

| STEP | GENERATOR CONNECTION | GENERATOR FREQUENCY (400 cycle mod) | TUNER SET TO | ADJUST | REMARKS |
|---|---|-------------------------------------|-----------------------------|-----------|---|
| IF ALIGNMENT | | | | | |
| 1. | 12AD6 grid (pin 7) thru .1 mf capacitor and chassis | 262.5 Kc | Hi end stop | 2, 3 & 4 | Adjust for <u>maximum</u> . |
| 2. | " | " | " | 1 | Adjust for <u>minimum</u> . Adjust signal generator as required to obtain a well-defined minimum. |
| RF ALIGNMENT | | | | | |
| 3. | Ant recept thru dummy | 1610 Kc | Hi end stop | 5, 6 & 7 | Adjust for maximum. |
| NOTE: Do not perform steps 4, 5, 6, 7 and 8 unless tuner has been tampered with or components have been replaced. Remove escutcheon to expose core screws. Before proceeding with step 4, back tuning cores (of ant, RF & oscillator only) 1-3/8" out of coils to eliminate their effect on trimmer adjustments. | | | | | |
| 4. | Ant recept thru dummy | 1610 Kc | Hi end stop | 5, 6 & 7 | Adjust for maximum. |
| 5. | " | 1020 Kc | 49/64" from hi end stop | 8, 9 & 10 | Adjust for maximum. |
| 6. | " | 1610 Kc | Hi end stop | 5, 6 & 7 | Adjust for maximum. |
| 7. Repeat steps 5 and 6 until no further increase; then cement cores in place. Step 6 should be last step. | | | | | |
| 8. | Ant recept thru dummy | 1525 Kc | 1000 Kc | 11 | Adjust trap for minimum output of image frequency (1525 Kc) when tuned to 1000 Kc. |
| ANTENNA TRIMMER | | | | | |
| 9. | - | - | Weak station around 1400 Kc | 7 | With radio in car and antenna fully extended, adjust antenna trimmer for maximum output. |



CONNECT VTVM BETWEEN THIS POINT (JUNCTION OF R2 & C4) AND CHASSIS FOR ALIGNMENT ADJUSTMENTS.