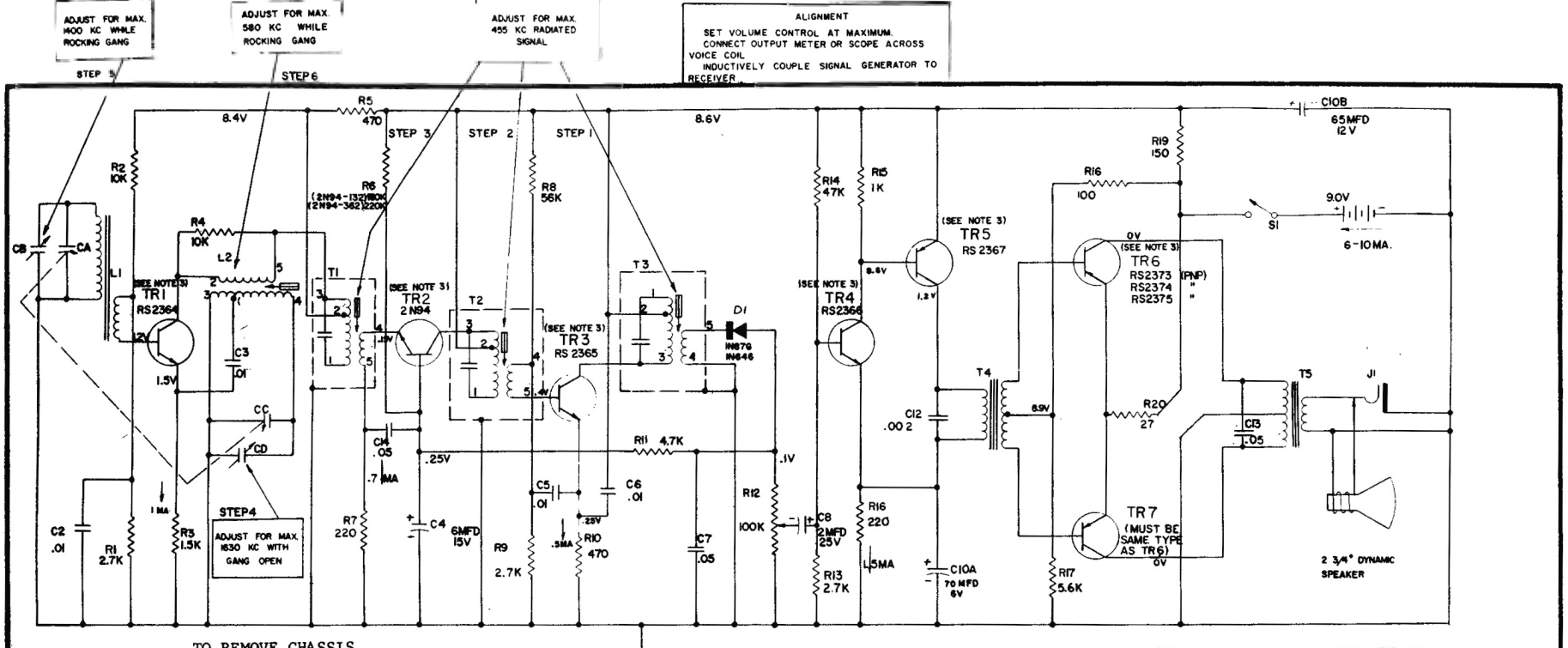


TO REMOVE CHASSIS

1. Disengage screw on rear of cabinet.
2. Insert coin in slot on bottom of cabinet and twist to remove cabinet back.
3. Remove 5 screws holding board to cabinet bosses. (Do not remove screws from antenna holder.)
4. Swing circuit board up 90° from cabinet front.

TO REMOVE VOLUME CONTROL AND/OR TUNING CAPACITOR

1. Remove chassis.
2. Remove volume control knob.
3. Remove two screws holding tuning capacitor mounting plate to cabinet front.
4. Unscrew metal stud holding mounting bracket near speaker and dial scale opening.
5. Carefully lift out chassis and controls, tilt unit slightly to slide dial pointer out of opening.

TROUBLESHOOTING

A check of battery condition and total current drain of the receiver should be made first. All current measurements are made at quiescence with the receiver turned on, volume control at minimum, tuning gang closed, and with no-signal conditions.

The total receiver current drain is 6 to 10 mils. This is measured by inserting a milliammeter in series with the battery (-) and pivoted connector.

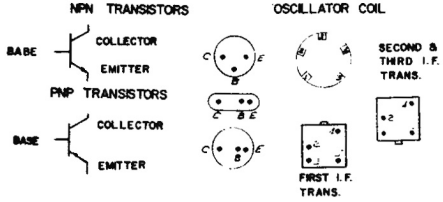
If an excessive total current drain is recorded, the individual collector currents of each transistor should be checked. An excessive current reading may mean a shorted transistor; no current will indicate that a transistor or associated circuit component is defective.

NO RECEPTION:
1. Check battery voltage and battery contacts.
2. Check on-off switch.
3. Check all antenna lead connections.
4. Check coil L2.

WEAK AUDIO:
1. Check battery voltage for 9 volts.
2. Check battery current.
3. Check transistor collector currents.
4. Check alignment.

INTERMITTENT:
1. Check battery contacts for corrosion.
2. Check solder connections on dip-soldered side of circuit board.

Intermittent audio, motorboating, and poor reception is frequently caused by poor battery contact or low battery voltage.



NOTES—
1- UNLESS OTHERWISE NOTED— CAPACITORS MORE THAN 1 MMF CAPACITORS LESS THAN 1 MF RESISTORS ARE 1/2 WATT K = 1000
2- VOLTAGES ARE POSITIVE WITH RESPECT TO GROUND UNDER NO SIGNAL CONDITIONS.
3. REPLACE WITH TRANSISTOR TYPES SHOWN, OR ORDER BY CATALOG NUMBER AS LISTED IN PARTS LIST.

GENERAL ELECTRIC
Models P815A, P816A