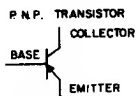


NOTES

- UNLESS OTHERWISE NOTED - CAP. MORE THAN 1-UF. CAP. LESS THAN 1-UF
- VOLTAGES ARE NEGATIVE WITH RESPECT TO GRD. UNDER NO SIGNAL CONDITIONS AND VOL. CONTROL MIN.
- REPLACE TRANSISTORS WITH TYPES SHOWN

OSC. COIL AND L.F. TRANSFORMER



TRANSISTOR MFG. PATTERN



BOTTOM VIEWS



CHASSIS REMOVAL

- Remove the dial knob screw with a small Phillips screw driver and lift off the dial knob.
- Remove cabinet back by inserting a coin in the slot on the bottom of the set, giving it a slight twist.
- Remove two 1/8" Phillips-head screws located underneath the batteries.
- Remove 1/8" Phillips-head screw located next to the tuning capacitor.
- Slide out the circuit board in the direction of the cabinet bottom and lift out.

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 quiescent receiver current drain is 12 to 14 mils. This is measured by inserting a milliammeter in series with the batteries.

TROUBLESHOOTING (CONT'D)

If an excessive total quiescent 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:

- Check battery voltage and battery contacts.
- Check on-off switch.
- Check all antenna lead connections.
- Check coil L2.

WEAK AUDIO:

- Check battery voltage for 3 volts.
- Check battery current.
- Check transistor collector currents.
- Check alignment.

INTERMITTENT:

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

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

TABLE OF TRANSISTOR VOLTAGES				
	EMITTER	BASE	COLLECTOR	FUNCTION
TR1	0.7	0.8	2.4	CONVERTER
TR2	0.15	0.3	2.5	2ND I.F. AMP.
TR3	0.2	0.35	2.5	3RD I.F. AMP.
TR4	0.75	0.8	2.5	1ST AUDIO
TR5	0	0.3	2.2	AUDIO DRIVER
TR6	0	0.15	0.15	CURRENT REGULATOR
TR7	0.04	0.15	3.0	PUSH PULL
TR8	0.04	0.15	3.0	AUDIO OUTPUT