

NOTES

1- UNLESS OTHERWISE NOTED CAPACITORS MORE THAN 1-MMF CAPACITORS LESS THAN 1-MF RESISTORS ARE 1/2 WATT K=1000

2- VOLTAGE AND CURRENT READINGS ARE AVERAGE UNDER NO SIGNAL CONDITIONS VOLTAGES ARE POSITIVE WITH RESPECT TO GROUND

3- VOLTAGES SHOWN IN  $\square$  ARE FOR PNP TRANSISTORS IN TR5 AND TR6

4- REPLACE WITH TRANSISTOR TYPES SHOWN

5- TR1	R1	R4
2N1058A	47K	3.9K
2N1029B	56K	3.9K
4JX2AB5	39K	NONE

6- TR2	R7
2N94-132	68K
2N94-362	82K

7- FOR NPN TR5 & TR6

A- SOLDER T5 YELLOW LEAD (B) TO POINT "A"

B- SOLDER "D" SIDE OF R22 TO "C"

C- R15 MUST BE 100  $\mu$  THERMISTOR.

D- R16 MUST BE 2.2K.

8- FOR PNP TR5 & TR6

A- SOLDER "O" SIDE OF R22 TO "A"

B- SOLDER T5 YELLOW LEAD (B) TO POINT "C"

C- R15 MUST BE 2.2K.

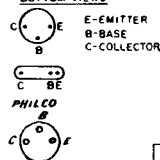
R16 MUST BE 100  $\mu$  THERMISTOR.

TROUBLESHOOTING

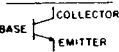
The total radio battery current drain should always be ascertained before proceeding with the servicing of this receiver. To measure the total radio battery current, unsolder the red lead attached to the + terminal on the chassis side of the battery compartment and insert a milliammeter in series with the lead and + terminal. The total current drain should be between 12-18 mls. All current measurements must be made at quiescence with the receiver turned on, volume control at maximum, tuning gang closed, and with no signal conditions.

An excessive current reading may mean a shorted transistor; no current will indicate that a transistor, associated circuit component, or a battery is defective.

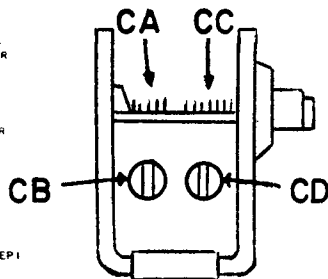
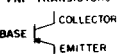
BOTTOM VIEWS



NPN TRANSISTORS



PNP TRANSISTORS

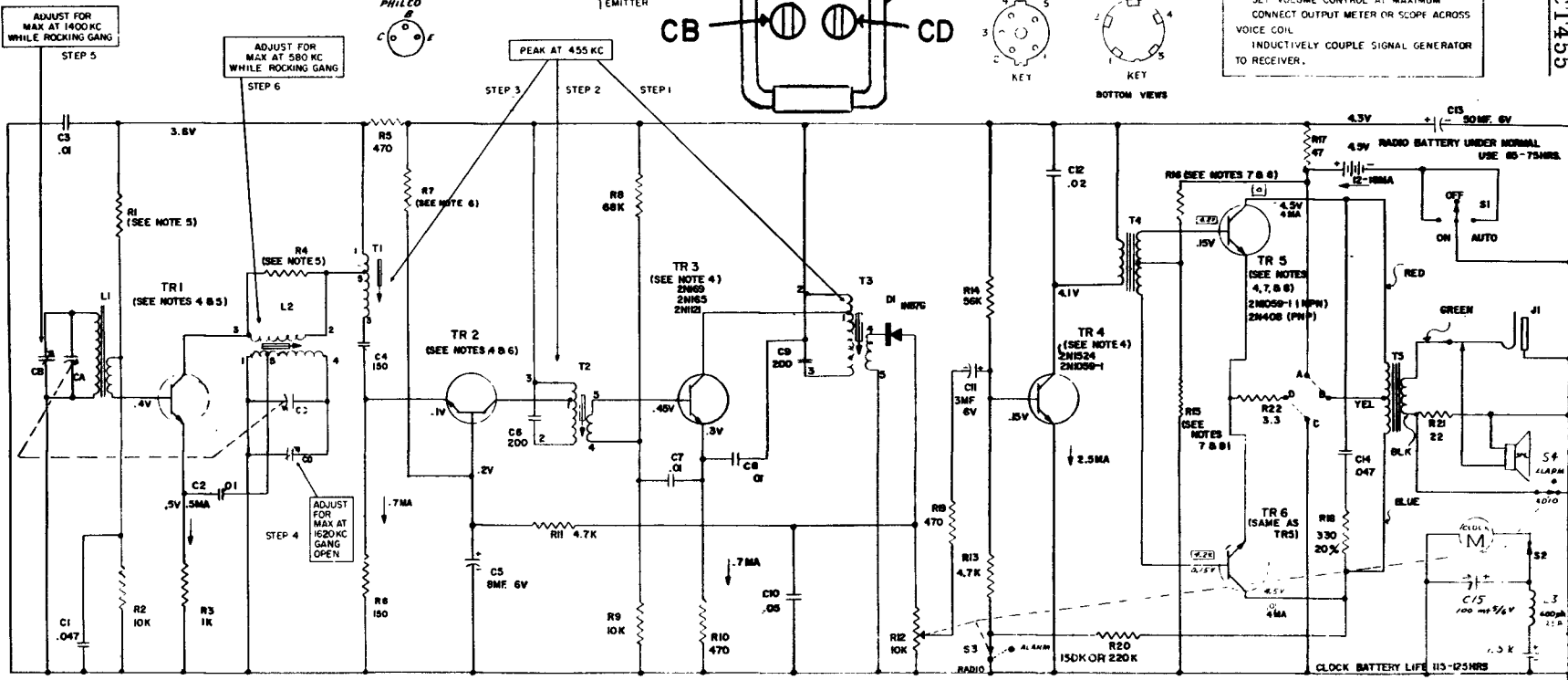


CHASSIS REMOVAL

1. Remove two screws from cabinet back, lift cabinet back off.
2. Remove four screws holding circuit board to cabinet bosses (do not remove the two screws that secure antenna holder to circuit board.)
3. Remove volume control.
4. Remove output transformer from speaker.
5. Carefully lift chassis board out.

SPEAKER REMOVAL

1. Remove cabinet back.
2. Remove two screws holding output transformer mounting plate on speaker.
3. Remove antenna holder from circuit board.
4. Remove clips that secure speaker to cabinet bosses.
5. Carefully lift speaker out.



ALIGNMENT  
SET VOLUME CONTROL AT MAXIMUM  
CONNECT OUTPUT METER OR SCOPE ACROSS VOICE COIL  
INDUCTIVELY COUPLE SIGNAL GENERATOR TO RECEIVER.

GENERAL ELECTRIC Model CT455