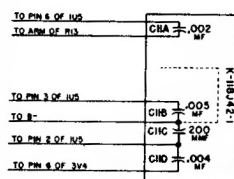
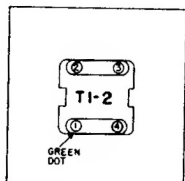
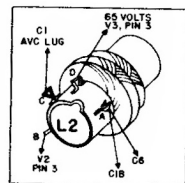
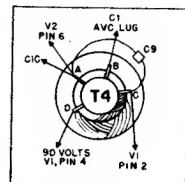
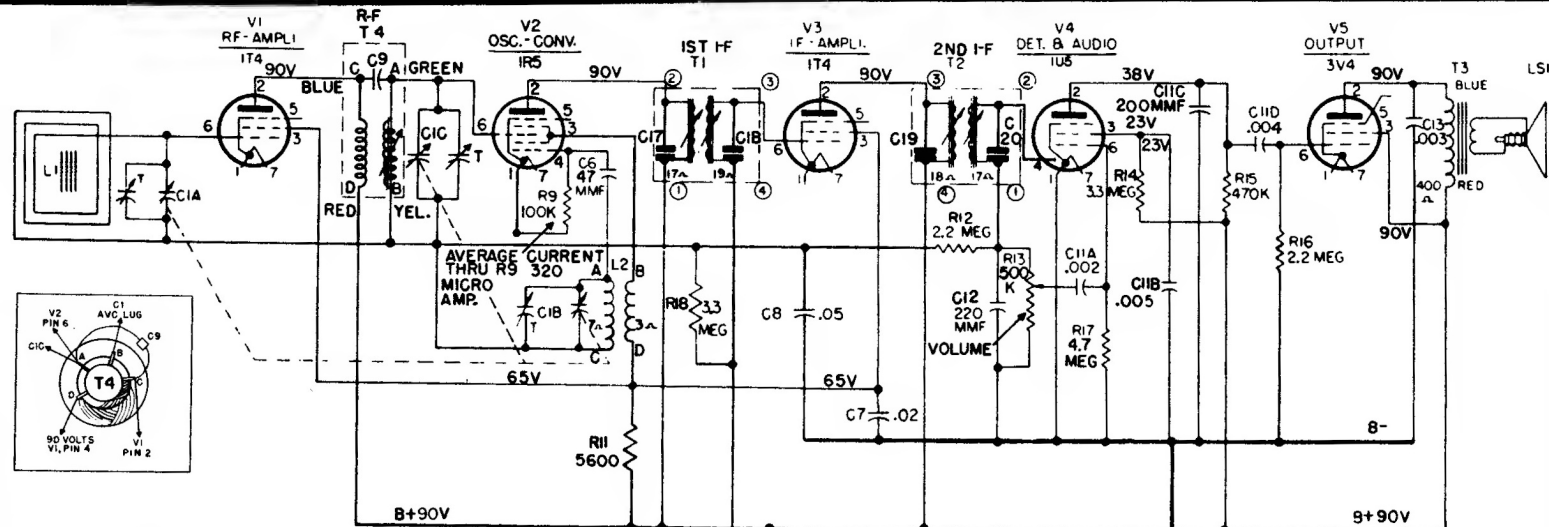


B
MICROVOLTS

SENSITIVITY AND STAGE GAINS AT 50 MILLIWATTS OUTPUT OR 4VAC RMS ACROSS VOICE COIL

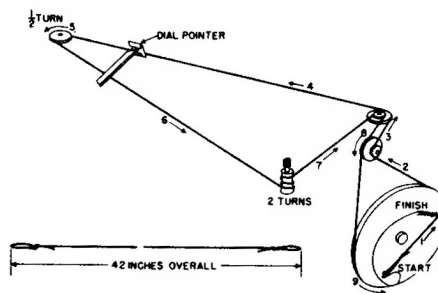
13X
1000KC30X
1000KC TO 455KC7.3X
455KC TO 400~52X
400~1.3VOLTS PIN 6
@ 400~ FOR
.4 VAC. OUTPUT

NOTE:

ALL CAPACITIES ARE IN MFD.
UNLESS OTHERWISE INDICATED.
ALL VOLTAGES ARE D-C MEASUR-
ED TO B- USING A 20,000 OHMS
PER VOLT METER.
READINGS ARE SIMILAR FOR 117
VOLTS LINE, OR BATTERY
INPUT POWER.

CHASSIS REMOVAL:

1. Remove the two control knobs.
2. Remove the hex head screw in cabinet bosses at each side of chassis.
3. Remove two hex head screws holding chassis support brackets to bosses in bottom of cabinet.
4. Disconnect audio output leads from loudspeaker and re-move complete chassis with brackets.

VIEWED FROM
TERMINAL SIDELINE-BATT.
SWITCH IN
LINE POSITION"ON-OFF" SWITCH
ON-VOL. CONT.
ON- POSITIONMALE BATT.
PLUG.
PRDNG VIEWCOMBINATION
"A AND B" BATT.

BLACK

PL-1

90V

GENERAL ELECTRIC COMPANY

Models 640 and 641

BOTTOM SHIELD REMOVAL:

1. Remove the hex head screw in cabinet bosses at each side of chassis.
2. Remove the three snap fasteners holding shield to back edge of chassis.
3. Remove the hex head screw holding bottom shield to each end of chassis.
4. Withdraw shield to position exposing chassis components.

ALIGNMENT CHART

Always have volume control full on and reduce signal input so A-V-C will not affect output.

Step	Test-oscillator Connected to	Test Osc. Setting	Pointer Setting	Adjust for Maximum Output
1	1T4 (V3) I-F grid (pin 6) in series with .05 mfd. and B- bus.	455 KC	550 KC	Iron cores of 2nd I-F Transformer, T2.
2	1R5 (V2) converter grid (pin 6) in series with .05 mfd. and B- bus.	455 KC	550 KC	Iron cores of 1st I-F Transformer, T1.
3	1T4 (V1) R-F amplifier grid (pin 6) in series with .05 mfd. and B- bus.	1670 KC	Gang condenser (C1A, B, C) fully open	C1B oscillator trimmer.
4		1500 KC	For max. output	C1C R-F trimmer.
5		580 KC	For max. output	Core of T4.
6	Repeat steps 4 and 5 to give maximum output.			
7	Inductively coupled to loop, L1	1500 KC	For max. output	C1A antenna trimmer.

Components and Adjustments, Top View

