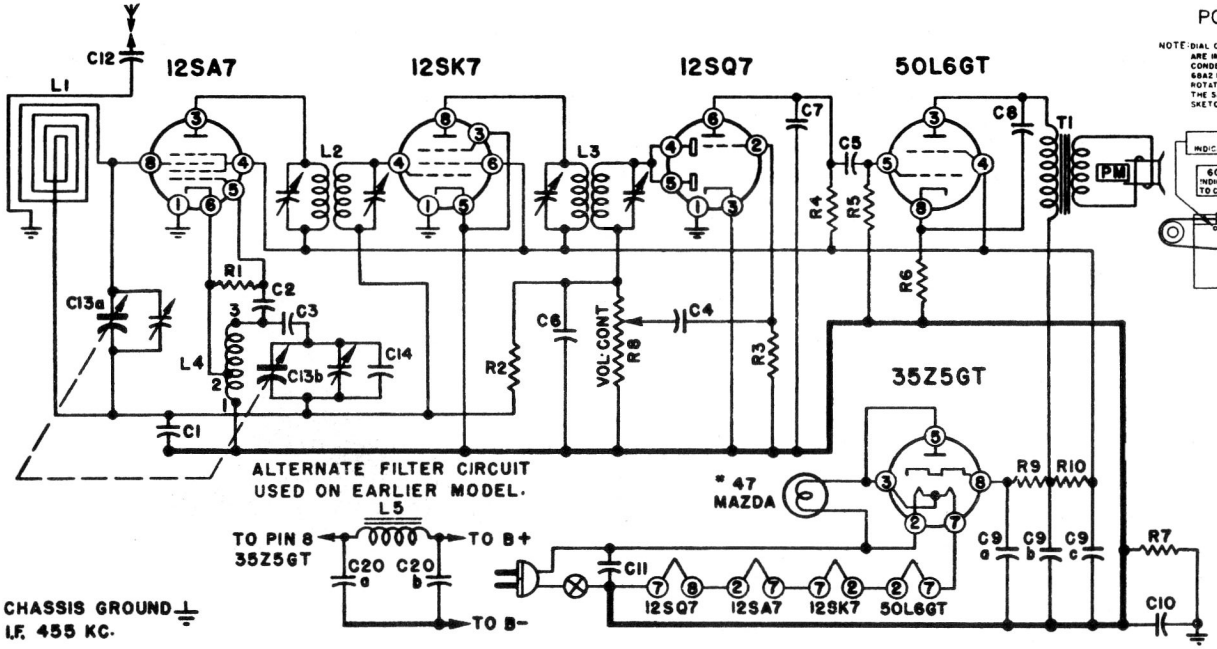
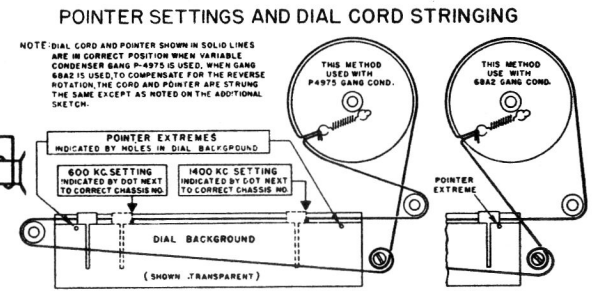


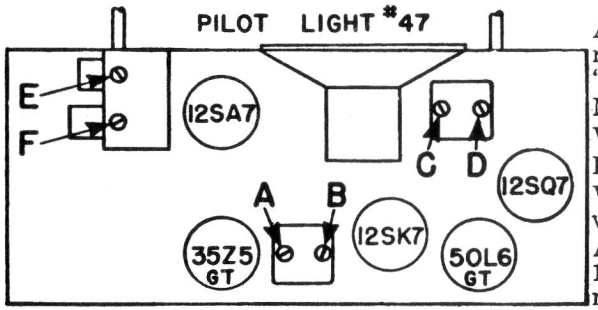


1946-47 MODEL 5B-1

NOTE: 1. In later production R9 and C9a are disconnected from pin No. 8 of the 35Z5 and a 33-ohm 1-watt resistor (R11) is connected between pin No. 8 and the junction of R9 and C9a.

2. The jumper between pins 4 and 5 on the 12SQ7 is removed and one pin is connected to the secondary of the second I.F. (L3) and the other pin is connected directly to the junction point of R2 and the secondary of the 1st I.F. (L2).

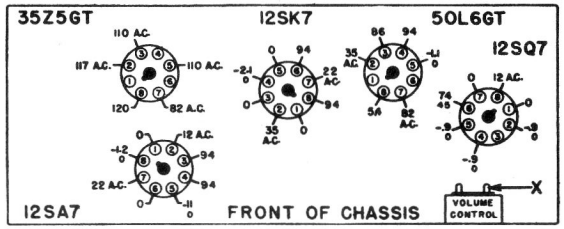
TOP VIEW — TUBE & TRIMMER LOCATION



All readings made between Tube Socket Terminals and Switch Lug on volume control (Point "X" on drawing).
Measured on a 117 Volt A.C. line.
Volume control full on.
Dial tuned to low frequency end, no signal.
Voltages indicated obtained on Vacuum Tube voltmeter.
A second voltage reading is shown made with a 1000 ohm-per-volt meter when use of this instrument would result in appreciably lower readings.

Connect Signal Generator to—	Dummy Antenna Between Radio and Generator	Set Generator Frequency to—	Set Receiver Dial Frequency to—	Adjust Following Trimmers	Type of Adjustment
Tuning Condenser Antenna Stator	250 mmfd. Condenser	455 KC.	High frequency end of Dial	C—D 2nd I. F. A—B 1st I. F.	Adjust to maximum Output
Tuning Condenser Antenna Stator	250 mmfd. Condenser	1630 KC.	High frequency end of Dial	E—Osc.	Adjust to maximum Output
Loop radiator (or place pickup lead from gen. close to loop of set to obtain adequate signal).	No actual connection between set and generator.	1400 KC.	Tune in generator signal	F—Ant.	Adjust to maximum Output

VOLTAGE DATA:—



Bottom View of Chassis, Showing Voltages

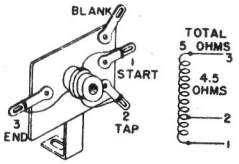
CONDENSERS

Symbol	Capacity	Type
C1	.1 mfd.	200 V.
C2	.00005 mfd.	Mica
C3	.02 mfd.	400 V.
C4	.01 mfd.	400 V.
C5	.01 mfd.	400 V.
C6	.00025 mfd.	Mica
C7	.0005 mfd.	Mica
C8	.02 mfd.	400 V.
C9a	30. mfd.	(Elect.) 150 V.
C9b	30. mfd.	(Elect.) 150 V.
C9c	20. mfd.	(Elect.) 150 V.
C10	.2 mfd.	400 V.
C11	.05 mfd.	400 V.
C12	.005 mfd.	600 V.
C13a	.00042 mfd.	(max.) Var.
C13b	.00018 mfd.	(max.) Var.
C14	.000015 mfd.	Mica
C20a	30. mfd.	(Elect.) 150 V.
C20b	50. mfd.	(Elect.) 150 V.

COILS

Symbol	Description
L1	Loop
L2	1st I. F. Trans.
L3	2nd I. F. Trans.
L4	Osc. Coil
L5	Choke, Filter

OSCILLATOR COIL



RESISTORS

Symbol	Resistance	Type
R1	22,000 ohms	C½W
R2	1 meg ohm	C½W
R3	10 meg ohms	C½W
R4	220,000 ohms	C½W
R5	470,000 ohms	C½W
R6	150 ohms	C½W
R7	150,000 ohms	C½W
R8	1 meg ohm Volume Control	
R9	150 ohms	C1W
R10	1,000 ohms	C1W
R11	33 ohms	C1W

ADMIRAL DATA SHEET 1