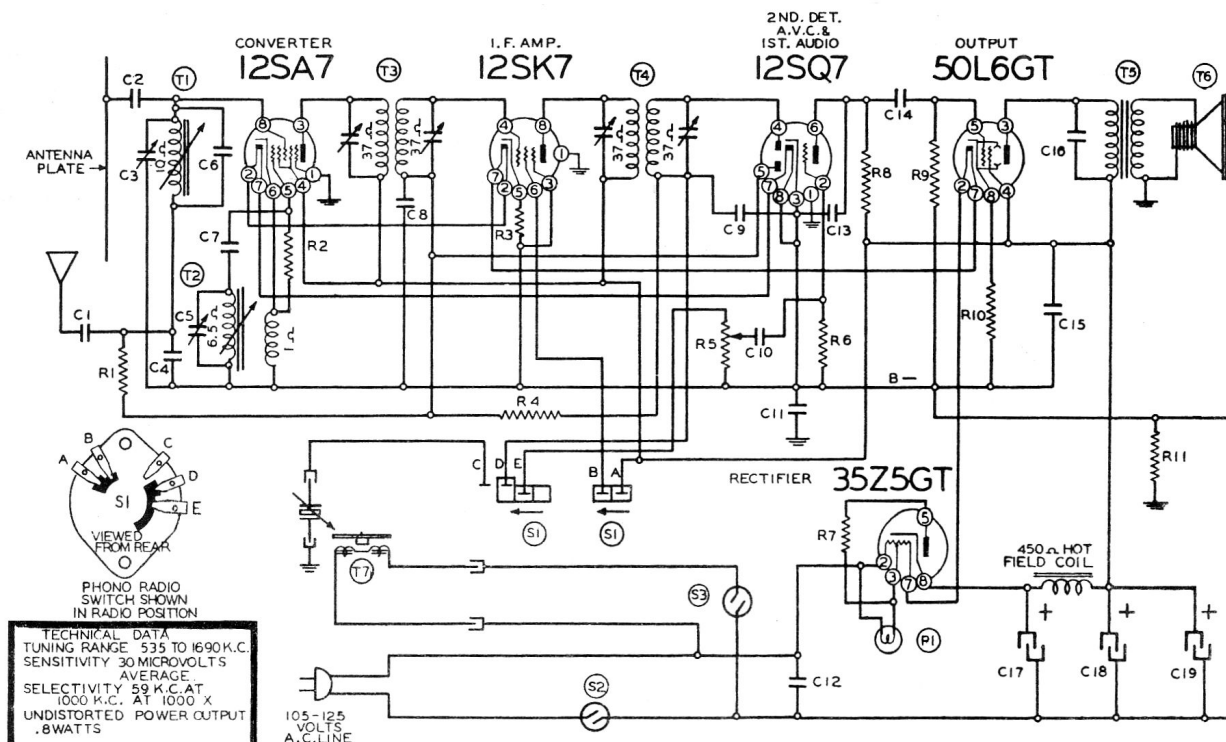




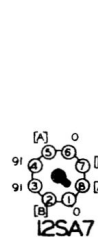
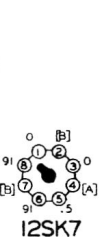
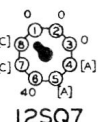
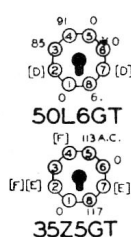
TECHNICAL DATA
 TUNING RANGE 535 TO 1690 K.C.
 SENSITIVITY 30 MICROVOLTS
 AVERAGE
 SELECTIVITY 59 K.C. AT
 1000 K.C. AT 1000 X
 UNDISTORTED POWER OUTPUT
 .8 WATTS
 MAX. POWER OUTPUT
 1.4 WATTS IN VOICE COIL
 POWER CONSUMPTION
 RADIO CHASSIS 35 WATTS
 PHONO MOTOR 20 WATTS
 I.F. 455 K.C.

IF PEAK 455 KC

BOTTOM VIEW OF CHASSIS

VOLTAGES MEASURED WITH A HIGH RESISTANCE VOLTMMETER
 BETWEEN SOCKET TERMINALS & "B" MINUS.
 PHONO-RADIO SWITCH TO BE IN RADIO POSITION.
 VOLUME CONTROL AT MINIMUM & NO SIGNAL
 117 VOLT LINE.

[A] - CANNOT BE MEASURED WITH VOLTMETER. [D] - 47 VOLTS A.C. ACROSS PINS 2 & 7.
 [B] - 11 VOLTS A.C. ACROSS PINS 2 & 7. [E] - 34 VOLTS A.C. ACROSS PINS 2 & 7.
 [C] - 11 VOLTS A.C. ACROSS PINS 7 & 8. [F] - 117 VOLTS A.C. ACROSS PINS 2 & 4.



REAR OF CHASSIS

VOLTAGE CHART

- Connect B- of radio chassis to ground post of signal generator through .1 Mfd. condenser.
- Volume control—Maximum all adjustments.

CONDENSERS

- C8, C15 .05 x 200 Volt Tubular Condenser.
 C11 .1 x 400 Volt Tubular Condenser.
 C10 .002 x 600 Volt Tubular Condenser.
 C14 .006 x 600 Volt Tubular Condenser.
 C16 .01 x 400 Volt Tubular Condenser.
 C12 .1 x 400 Volt Tubular Condenser.
 C17, C18, C19 Electrolytic Filter Condenser. 50 to 60 Cycles. 40 Mfd. x 150 V.; 20 Mfd. x 150 V.; 20 Mfd. x 150 V.
 C17, C18, C19 Electrolytic Filter Condenser. 25 Cycles. 60 Mfd. x 150 V.; 40 Mfd. x 150 V.; 40 Mfd. x 150 V.
 C3, C5 Ant. and Osc. Dual Trimmer Condenser
 C2 .0003 Mica Type Condenser—20%
 C1, C7, C9 .0001 Mica Type Condenser—20%
 C4 .0008 Mica Type Condenser—10%
 C13 .00025 Mica Type Condenser—20%
 C6 .00005 Ceramic Condenser—10%.

RESISTORS

- R5, S2 Volume Control and Switch (500M Ohms)
 R1, R11 200M Ohm—1/4 Watt Resistor—20%
 R2 20M Ohm—1/4 Watt Resistor—10%
 R3 100 Ohm—1/4 Watt Resistor—10%
 R4 3 Megohm—1/4 Watt Resistor—20%
 R8 250M Ohm—1/4 Watt Resistor—20%
 R6 5 Megohm—1/4 Watt Resistor—25%
 R7 25 Ohm—1/4 Watt Resistor—10%
 R9 750M Ohm—1/4 Watt Resistor—20%
 R12 30 Ohm—1 Watt Resistor—20%
 R10 150 Ohm—1/4 Watt Resistor—10%
 200 Ohm—1/4 Watt Resistor—10%
 1200 Ohm—1 Watt Resistor—10%

Following Resistors Used Only When
 P.M. Dynamic Speaker is Used:

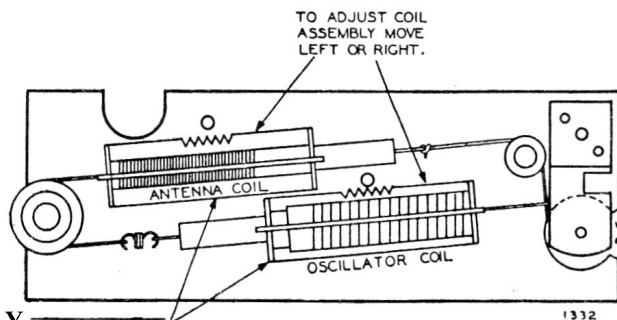
BAND	SIGNAL GENERATOR			Position of Iron Cores (Dial Setting)	Trimners Adjusted to Maximum (in Order Shown)
	Frequency Setting	Dummy Antenna	Connection to Radio		
I. F.	455 Kc.	.1 MFD.	Connect to Antenna Plate	Iron Cores All the way out	Two trimmers on top of output I.F. (See Chassis View)
	455 Kc.	.1 MFD.	Connect to Antenna Plate	Iron Cores All the way out	Two trimmers on top of input I.F. (See Chassis View)
BROAD-CAST BAND	1690 Kc.	.1 MFD.	Connect to Antenna Plate	Iron Cores All the way out	Oscillator trimmer (C5) (See Chassis View)
	1690 Kc.	200 MMF.	Connect to Antenna Plate	Iron Cores All the way out	Antenna trimmer (C3) (See Chassis View)
	1400 Kc.	200 MMF.	Connect to Antenna Plate	Turn Dial to 1400 Kc.	Adjust position of antenna coil right or left. (See Note "A")
	1690 Kc.	200 MMF.	Connect to Antenna Plate	Turn Dial to 1690 Kc.	Adjust antenna trimmer (C3) (See Chassis View) (See Note "B")

NOTE "A"—The antenna coil assembly is made so that it is movable right or left. When making the adjustment as given in the alignment procedure move the coil assembly very slowly. It can be moved by hand or by pivoting one edge of the blade of a screwdriver in the hole and engaging the blade in the gear teeth of the coil form.

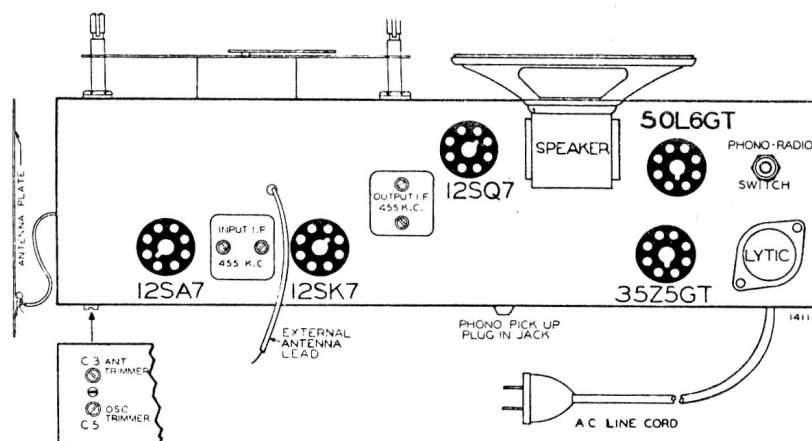
NOTE "B"—After the antenna coil has been tracked at 1400 Kc. it is necessary to check the antenna trimmer (C3) adjustment again at 1690 Kc. If no appreciable change in trimmer adjustment is made the coil is in track, if the trimmer requires considerable change it will be necessary to again adjust the position of the antenna coil at 1400 Kc. These two adjustments should be tried several times until no change of trimmer adjustment is required at 1690 Kc.

BELMONT RADIO CORP.

NOTE: THE ANTENNA COIL ASSEMBLY IS MADE SO THAT IT IS MOVABLE LEFT OR RIGHT. WHEN MAKING THE ADJUSTMENT AS GIVEN IN THE ALIGNMENT PROCEDURE MOVE COIL ASSEMBLY VERY SLOWLY



COIL VIEW ASSEMBLY



CHASSIS VIEW — Showing tube location and type.
Note External Antenna Lead at back of chassis.