

CONDENSERS

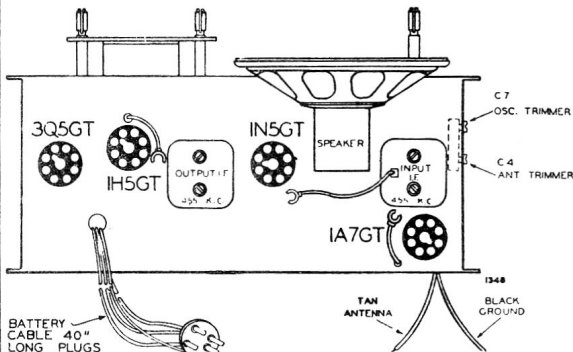
- C1 12936 .0003 mica
 - C2 160112 .001 x 200 v.
 - C3 129177 .000045—Ceramicon
 - C4 124165 Antenna trimmer
 - C5 1009 .05 x 200 v.—Condenser
 - C6 12912 .00025 mica
 - C7 124165 Oscillator trimmer
 - C8 1009 .05 x 200 v. Condenser
 - C9 1006 .25 x 200 v. Condenser
 - C10 10020 .1 x 200 v.
 - C11 10017 .5 x 120 v.
 - C12 119117-B 10 mfd. x 150 v. Lytic
 - C13 1295 .0001 mica
 - C14 10012 .003 x 600 v. Condenser
 - C15 1295 .0001 mica
 - C16 10026 .02 x 400 v. Condenser
 - C17 1007 .005 x 600 v.
 - C18 100112 .001 x 200 v.
- C4 and C7 are in same unit

RESISTORS

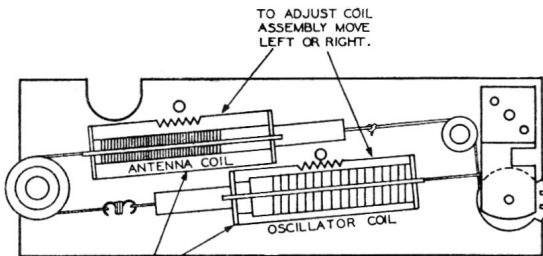
- R1 13017 10M ohm— $\frac{1}{2}$ w.
- R2 1304 3 megohm— $\frac{1}{2}$ w.
- R3 1309 200M ohm— $\frac{1}{2}$ w.
- R4 130194 35M ohm— $\frac{1}{2}$ w.
- R5 13094 50M ohm— $\frac{1}{2}$ w.
- R6 1304 3 megohm— $\frac{1}{2}$ w.
- R7 101250 1 megohm—Volume control and switch— $\frac{1}{2}$ w.
- R8 130257 5 megohm— $\frac{1}{2}$ w.
- R9 13019 1 megohm— $\frac{1}{2}$ w.
- R10 130146 2 megohm— $\frac{1}{2}$ w.
- R11 13079 400 ohm— $\frac{1}{2}$ w.
- R12 101231 1 megohm tone control

PARTS

- T1 1364 Antenna Coil
- T2 1364 Oscillator Coil
- Permeability tuning assem. Complete.
- T3 108202 Input I. F. Coil 455 kc.
- T4 108153B Output I. F. Coil 455 kc.
- T5 10591B Output transformer
- T6 114215R 6" P.M. Speaker
- S1 Switch-on volume control

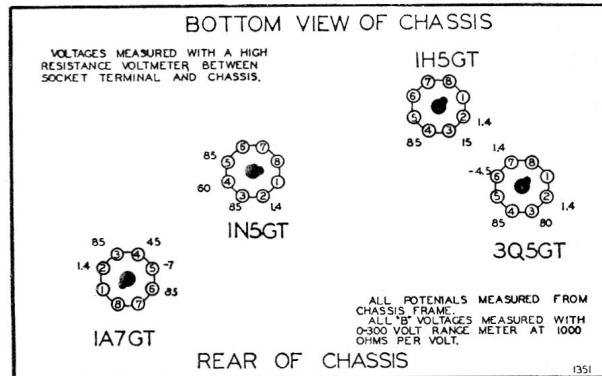


CHASSIS VIEW



COIL ASSEMBLY VIEW

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



BOTTOM VIEW OF CHASSIS

VOLTAGES MEASURED WITH A HIGH RESISTANCE VOLTMETER BETWEEN SOCKET TERMINAL AND CHASSIS.

Power Consumption A—250 Amp. B .014 Amps.
Power Output - - - 160 Milliwatts Undistorted

Sensitivity for 50 Milliwatt Output: 45 Microvolts Average
Selectivity - 48 KC at 1000 Times Signal at 1000 KC
Tuning Frequency Range - - - - - 540 to 1700 KC

BAND	SIGNAL GENERATOR Frequency Setting	Dummy Antenna	Connection to Radio	Position of Iron Cores (Dial Setting)	Trimmers Adjusted (in Order Shown)	Trimmer Function	Adjustment
455 Kc.	455 Kc.	.1 MFD.	Connect to Grid of 1A7	Iron Cores All the way out	Two trimmers on top of output I. F. can	Output I. F.	maximum output
I. F.	455 Kc.	.1 MFD.	Connect to Grid of 1A7	Iron Cores All the way out	Two trimmers on top of input I. F. can	Input I. F.	maximum output
BROADCAST BAND	1700 Kc.	.1 MFD.	Connect to Grid of 1A7	Iron Cores All the way out	Trimmer (C7) (See chassis view)	Oscillator	maximum output
	1700 Kc.	200 MMF.	Connect to Antenna Clip	Iron Cores All the way out	Trimmer (C4) (See chassis view)	Antenna	maximum output
	1400 Kc.	200 MMF.	Connect to Antenna Clip	Turn Dial to 1400 Kc.	Adjust position of antenna coil (See coil assembly view)	Antenna Coil Adjustment	maximum output (See Note "A")
	1700 Kc.	200 MMF.	Connect to Antenna Clip	Turn Dial to 1700 Kc.	Adjust trimmer (C4) (See chassis view)	Antenna	Check for tracking (See Note "B")

NOTE "A"—The antenna coil assembly is made so that it is movable. 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 (C4) adjustment again at 1700 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 1700 Kc.

- Volume control—Maximum all adjustments.
- Dummy antenna .1 mfd. and 200 mmf.