

CONDENSERS

C1	12936	.0003 mica
C2	100112	.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 400 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.

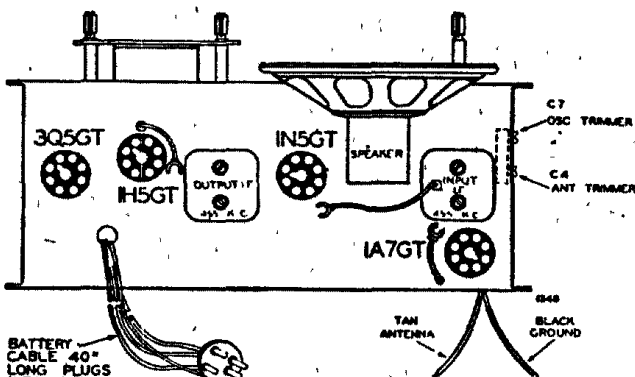
C4 and C7 are in same unit

RESISTORS

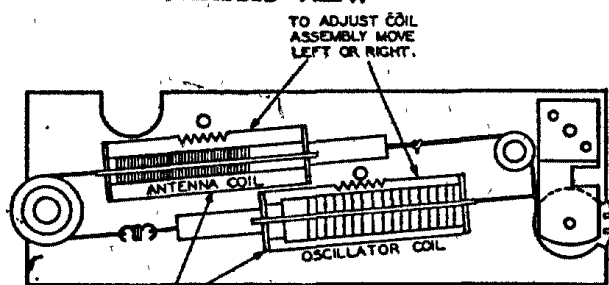
R1	13017	10M ohm— $\frac{1}{2}$ w.
R2	1304	3 megohm— $\frac{1}{2}$ w.
R3	1309	200M ohm— $\frac{1}{2}$ w.
R4	130194	35M ohm— $\frac{1}{2}$ w.
R5	13094	50M ohm— $\frac{1}{2}$ w.
R6	1304	3 megohm— $\frac{1}{2}$ w.
R7	101250	1 megohm—Volume control and switch— $\frac{1}{2}$ w.
R8	130257	5 megohm— $\frac{1}{2}$ 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

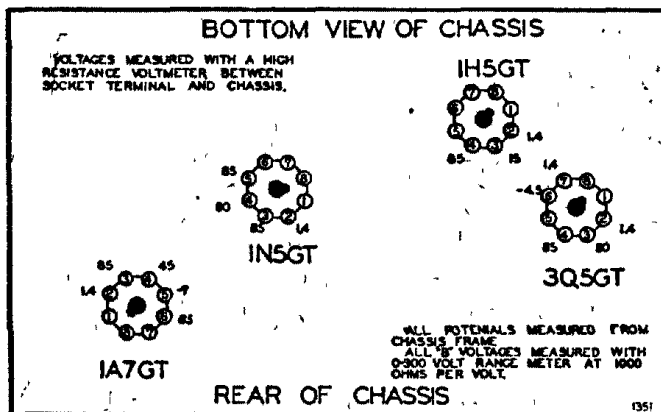


CHASSIS VIEW



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 ASSEMBLY VIEW



REAR OF 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.

• Volume control—Maximum all adjustments.

• Dummy antenna .1 mfd. and 200 mmf.

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.