

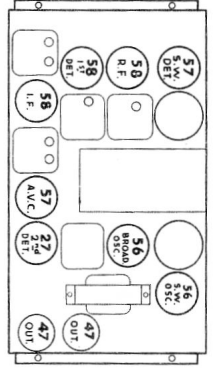
CAUTION

Reading must be taken with the set tuned to one of the short wave ranges and the local - distance switch pulled out.

All D.C. voltages are measured between the tube socket terminal and chassis, using a high resistance voltmeter of 1000 ohms per volt. Readings will vary depending upon voltage range of meter, being higher for higher range instruments. This variation is most marked for all detector and oscillator D.C. voltages.

Readings taken with set testers plugged into the tube sockets may deviate considerably from the values given in this table, due to their internal circuit arrangements.

Tube Circuit	Type of Tube	Filament Voltage	Plate to Chassis	Screen Grid Cathode to Chassis
Short Wave Oscillator	56	2.4	81	5.2
Short Wave Detector	57	2.4	21	1.9
R. F. Broadcaster Oscillator	58	2.4	188	102
First Detector	58	2.4	188	102
I. F. Detector	58	2.42	188	102
A. V. C.	57	2.44	0	0
Second Detector	57	2.42	70	-92
Output	47	2.4	177	188



TUBE LOCATIONS

Diagram No.	Description	Diagram No.	Description
1	Variable tuning condenser	53	Power switch part of 81137
2	750,000 ohm 1/2 watt resistor	54	Lead-in filament switch
3	6,000 ohm 1/2 watt resistor	55	2.5 V. pilot lamp
4	100 ohm 1/2 watt resistor	56	75,000 ohm 1/2 watt resistor
5	45,000 ohm 1/2 watt resistor	57	Power transformer, 115 V., 60 cye.
6	2,000 ohm 1/2 watt resistor	58	Power transformer, 250 V., 60 cye.
7	150 ohm 1 watt resistor	59	8 Mfd. 450 V. electrolytic cond.
8	150 ohm 1 watt resistor	60	10 Mfd. 475 V. (for 25 cycles)
9	20,000 ohm 1/2 watt resistor	61	Output transformer, single-spindle
10	20,000 ohm 1/2 watt resistor	62	Output transformer, double-spindle
11	100,000 ohm 1/2 watt resistor	63	Speaker socket
12	1,200 ohm 1 watt resistor	64	Speaker power terminal socket
13	100,000 ohm 1/2 watt resistor	65	Speaker power terminal plug
14	100,000 ohm 1/2 watt resistor	66	Speaker coil Model R-306 (160 ohms)
15	250 ohm resistor on one form	67	Speaker coil Model R-306 (250 ohms)
16	250 ohm resistor on one form	68	Diaphragm Assembly (Model R-206-A)
17	1 Mfd. 400 V. fixed condenser	69	Diaphragm Assembly (Model R-209-A)
18	1 Mfd. 300 V. fixed condenser	70	1 Mfd. 100 V. fixed condenser
19	1 Mfd. 400 V. fixed condenser	71	10,000 ohm 1/2 watt resistor
20	1 Mfd. 400 V. fixed condenser	72	10,000 ohm 1/2 watt resistor
21	25 Mfd. 200 V. fixed condenser	73	1 Mfd. 400 V. fixed condenser
22	25 Mfd. 200 V. fixed condenser	74	1 Mfd. 400 V. fixed condenser
23	.02 Mfd. 400 V. fixed condenser	75	1 Mfd. 400 V. fixed condenser
24	.02 Mfd. 400 V. fixed condenser	76	1 Mfd. 400 V. fixed condenser
25	.02 Mfd. 400 V. fixed condenser	77	1 Mfd. 400 V. fixed condenser
26	.02 Mfd. 400 V. fixed condenser	78	1 Mfd. 400 V. fixed condenser
27	.02 Mfd. 400 V. fixed condenser	79	1 Mfd. 400 V. fixed condenser
28	.02 Mfd. 400 V. fixed condenser	80	1 Mfd. 400 V. fixed condenser
29	.02 Mfd. 400 V. fixed condenser	81	1 Mfd. 400 V. fixed condenser
30	.00025 Mfd. fixed condenser	82	1 Mfd. 400 V. fixed condenser
31	.00025 Mfd. fixed condenser	83	1 Mfd. 400 V. fixed condenser
32	.00025 Mfd. fixed condenser	84	1 Mfd. 400 V. fixed condenser
33	.00025 Mfd. fixed condenser	85	1 Mfd. 400 V. fixed condenser
34	.00025 Mfd. fixed condenser	86	1 Mfd. 400 V. fixed condenser
35	.00025 Mfd. fixed condenser	87	1 Mfd. 400 V. fixed condenser

CHASSIS MODEL 105

RECEIVER MODELS 50 to 59

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