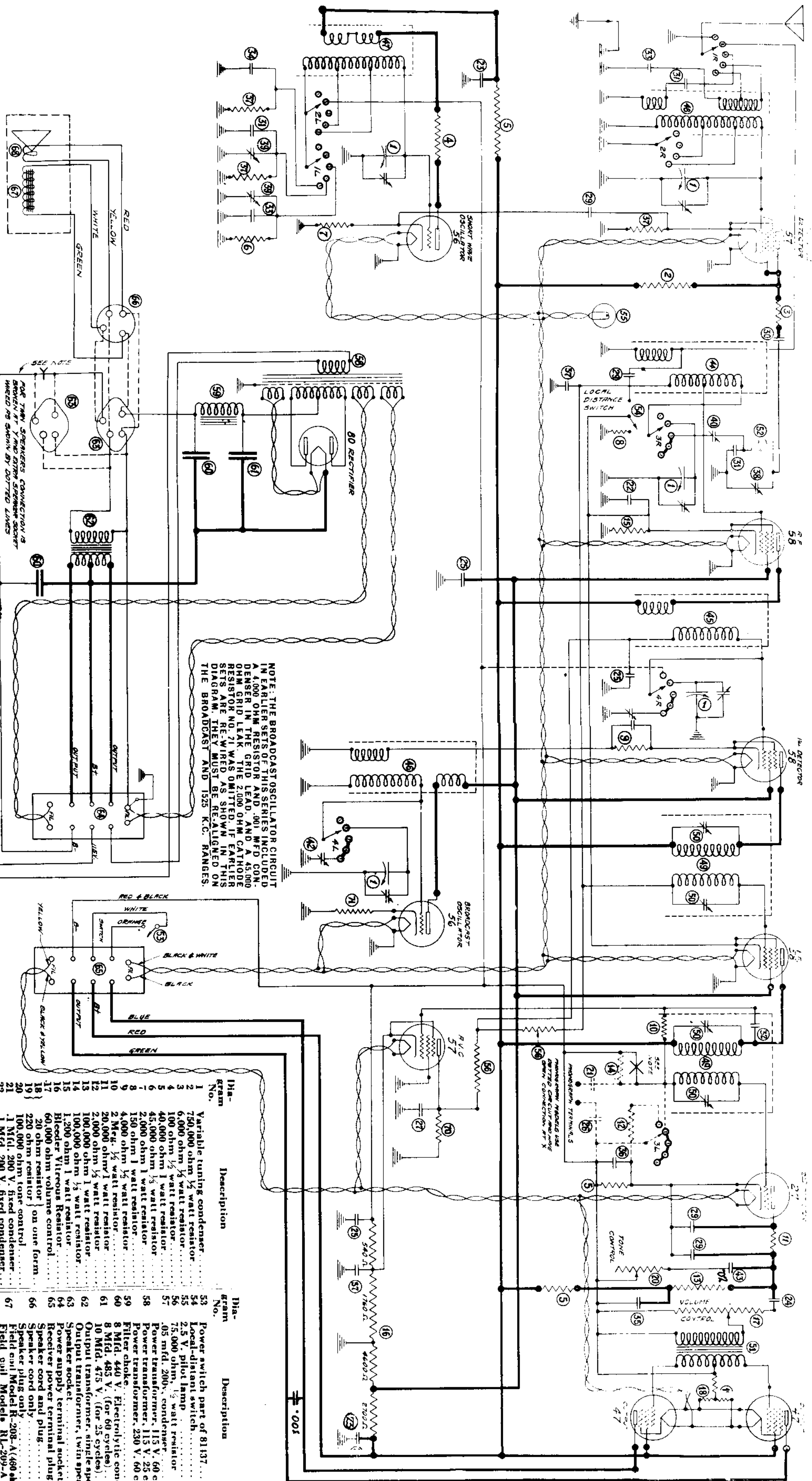


Stewart-Warner Corp.

	Model: R-105 CHASSIS	Chassis:	Year:
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		
Resources			
RCC STEWART WARNER 13			



NOTE: THE BROADCAST OSCILLATOR CIRCUIT IN EARLIER SETS USED A 250 OHM RESISTOR IN THE GRID LEAD AND A 45,000 OHM GRID LEAK. THE 2,000 OHM CATHODE RESISTOR NO. 71 WAS OMITTED. IF EARLIER SETS ARE REWIRED AS SHOWN IN THIS DIAGRAM THEY MUST BE RECALIBRATED ON THE BROADCAST AND 1525 K.C. RANGES.

CAUTION

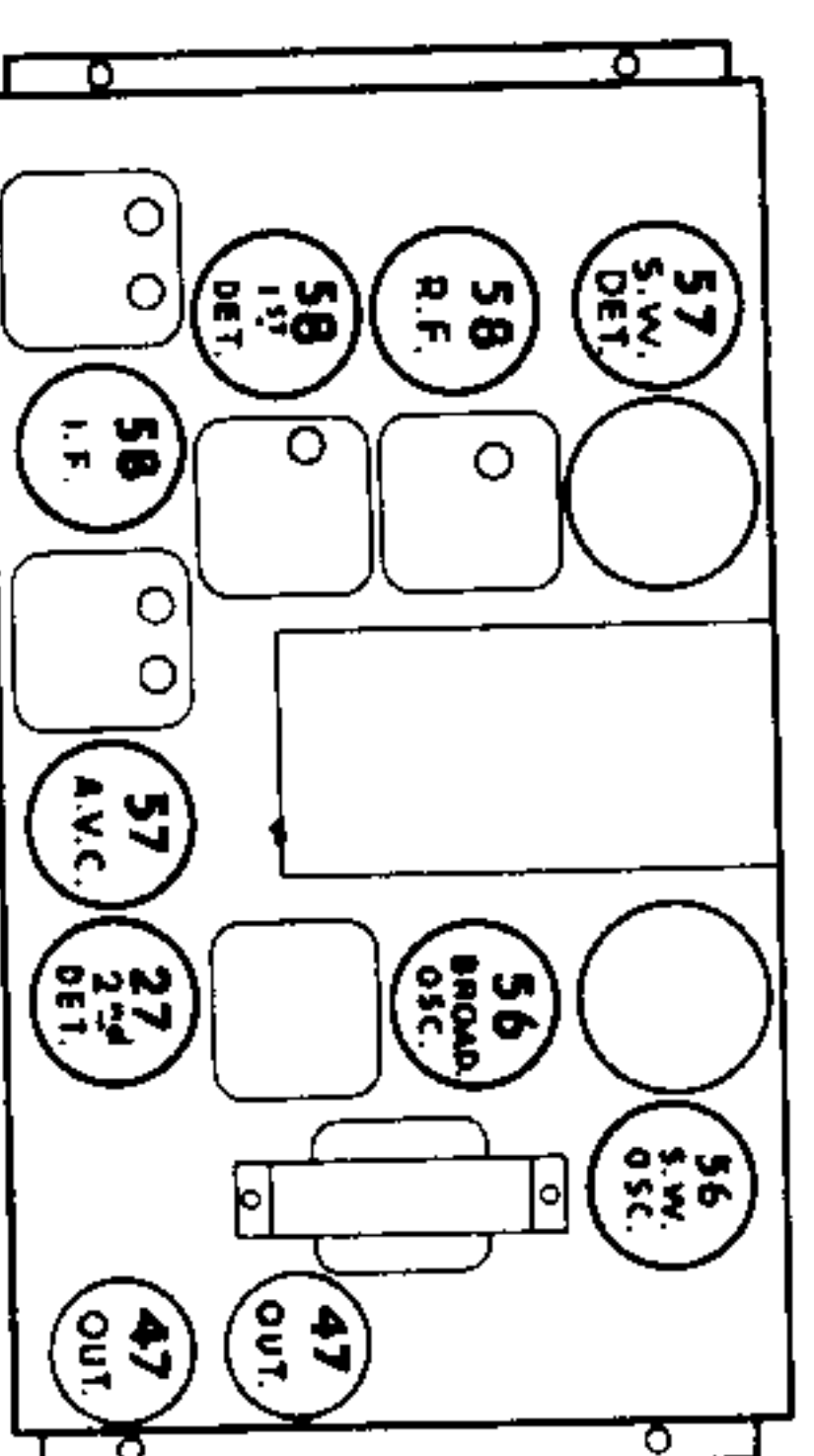
Reading must be taken with the set tuned to one of the short wave ranges, and the local-distance switch pulled out.

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 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 Chassis	Cathode to Chassis
Short Wave Oscillator	56	2.4	81		5.2
Short Wave Detector	57	2.4	21	21	1.9
R. F. Detector	58	2.4	188	102	2.4
Broadcast Oscillator	56	2.4	102		0
First Detector	58	2.4	188	102	9
I. F. Detector	58	2.42	188	102	2.2
A. V. C.	57	2.44	0	0	—89
Second Detector	27	2.42	70		—92
Output	47	2.4	177	188	Fil. to Grid 18.5

TUBE LOCATIONS



CHASSIS MODEL 105

RECEIVER MODELS 50 to 59

1932-33-34

DATA SHEET

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	Local-distant 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	40,000 ohm 1/2 watt resistor	57	.05 mfd. 200V. condenser
6	45,000 ohm 1/2 watt resistor	58	Power transformer, 115 V., 60 eye.
7	2,000 ohm 1 watt resistor	59	Power transformer, 115 V., 25 eye.
8	4,000 ohm 1/2 watt resistor	60	Power transformer, 250 V., 60 eye.
9	20,000 ohm 1/2 watt resistor	61	Filter choke, electrolytic cond.
10	20,000 ohm 1/2 watt resistor	62	8 Mfd. 450 V. (for 25 eye)
11	2,000 ohm 1/2 watt resistor	63	10 Mfd. 475 V. (for 25 eye)
12	100,000 ohm 1/2 watt resistor	64	Output transformer, twin speaker
13	100,000 ohm 1/2 watt resistor	65	Speaker supply terminal plug
14	60,000 ohm 1/2 watt resistor	66	Receivers power terminal plug
15	100,000 ohm 1/2 watt resistor	67	Speaker cord and plug
16	100,000 ohm 1/2 watt resistor	68	Speaker plug only
17	100,000 ohm 1/2 watt resistor	69	Field coil Model R-208-A (400 ohms)
18	100,000 ohm 1/2 watt resistor	70	Field coil Model R-209-A or R-209-A (250 ohms)
19	100,000 ohm 1/2 watt resistor	71	Diaphragm Assembly (Model R-208-A)
20	100,000 ohm 1/2 watt resistor	72	Diaphragm Assembly (Model R-209-A)
21	100,000 ohm 1/2 watt resistor	73	Diaphragm Assembly (Model R-209-A)
22	100,000 ohm 1/2 watt resistor	74	Diaphragm Assembly (Model R-209-A)
23	100,000 ohm 1/2 watt resistor	75	Diaphragm Assembly (Model R-209-A)
24	100,000 ohm 1/2 watt resistor	76	Diaphragm Assembly (Model R-209-A)
25	100,000 ohm 1/2 watt resistor	77	Diaphragm Assembly (Model R-209-A)
26	100,000 ohm 1/2 watt resistor	78	Diaphragm Assembly (Model R-209-A)
27	100,000 ohm 1/2 watt resistor	79	Diaphragm Assembly (Model R-209-A)
28	100,000 ohm 1/2 watt resistor	80	Diaphragm Assembly (Model R-209-A)
29	100,000 ohm 1/2 watt resistor	81	Diaphragm Assembly (Model R-209-A)
30	100,000 ohm 1/2 watt resistor	82	Diaphragm Assembly (Model R-209-A)
31	100,000 ohm 1/2 watt resistor	83	Diaphragm Assembly (Model R-209-A)
32	100,000 ohm 1/2 watt resistor	84	Diaphragm Assembly (Model R-209-A)
33	100,000 ohm 1/2 watt resistor	85	Diaphragm Assembly (Model R-209-A)
34	100,000 ohm 1/2 watt resistor	86	Diaphragm Assembly (Model R-209-A)
35	100,000 ohm 1/2 watt resistor	87	Diaphragm Assembly (Model R-209-A)

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