

Model 158

Specifications

Model 158 is a seven tube superheterodyne designed for operation from A. C. electric circuits. The intermediate frequency used is 181.5 KC.

Tubes And Voltage Limits

The following are the voltages measured with the receiver in operating condition, but with no signal to the antenna circuit. Use a high resistance D. C. Voltmeter (1000 ohms per volt, or more) for all but filament voltages. In measuring filament or heater voltages use

a low range A. C. meter. The voltage limits are + or - 10% of values given in the following table.

Line voltage—117.5 (235 for 220 volt receivers).

Plate voltage measured from plate contact to cathode contact.

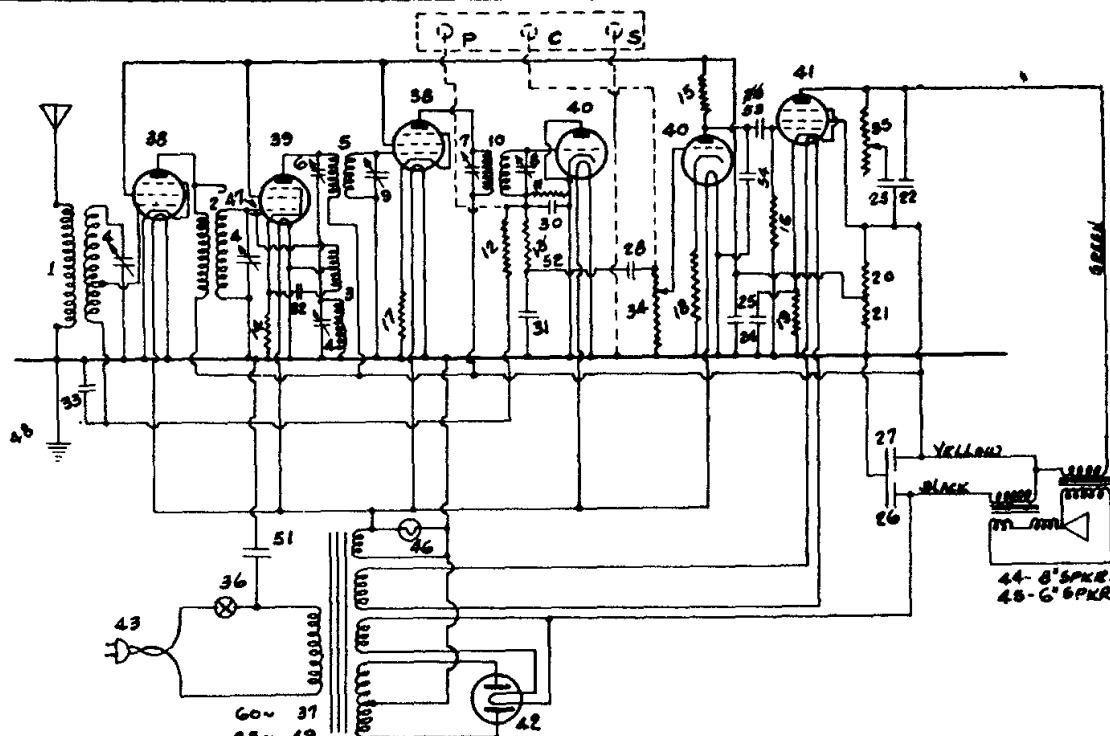
Screen grid voltage measured from screen grid contact to cathode contact.

Suppressor grid voltage measured from suppressor grid contact to cathode contact.

Bias voltage measured from cathode contact to chassis.

Tube	Position	Plate	Screen Grid	Voltages Supp. Grid	Bias	Fil.
-58	R. F. Amplifier	270	85	0	0	2.5
-57	Oscillating Detector	270	80	0	6.0	2.5
-58	I. F. Amplifier	275	80	0	4.0	2.5
-56	Detector	0				2.5
-56	A. F. Amplifier	40			1.6	2.5
-42	Output	245	250		22.0	6.3
-80	Rectifier	350				4.8

1	61-24995	ANTENNA COIL
2	62-24968	INTERSTAGE COIL
3	62-24996	OSCILLATOR COIL
4	C-26442B	TUNING CAPACITOR
5	61-25444	181.5 I.F. TRANSFORMER
6	61-25948	181.5 I.F. TUNING COND.
7	61-25948	200 KHz TUNING COND.
8	W-25500A	200 KHz TUNING COND.
9	W-25500A	1.5 SECUNDARY COND.
10	61-25444	200 KHz I.F. TRANSFORMER
11	W-24844	1 MEGOHM
12	W-26077	3 MEGOHM
13	W-24455	300,000 A
14	W-24444	7,000 A
15	W-24237	60,000 A
16	W-23705	300,000 A
17	W-22514	150 A
18	W-23013	2,000 A
19	W-23907	750 A
20	W-25970	15,000 A
21		10,000 A
P2	W-25517A	.008 MFD.
P3		.05 MFD.
P4	W-25857B	.9 MFD.
P5		.8 MFD.
P6	W-25852A	.9 MFD.
P7		.4 MFD.
P8	W-27203	.02 MFD.
P9	W-27202	.02 MFD.
P10	W-26152A	.0001 MFD.
P11		.0001 MFD.
P12	W-25437	.0015 MFD.
P13	W-27203	.02 MFD.
P14	W-25666A	.0015 MFD.
P15	W-25594A	TONS CONT. 80,000 A
P16		SWITCH
P17	614-23589	60-POWER TRANS.
P18	624-27456	.5A SOCKET
P19	613-27456	.5A SOCKET
P20	610-27456	.5A SOCKET
P21	615-27456	.4A SOCKET
P22	616-27456	.8A SOCKET
P23	624-2491A	CORD & PLUG
P24	LC-25518	212-4 SPEAKER
P25	27248	312-3 SPEAKER
P26	W-22221	2-5V DIAL LAMP
P27	61-21276	2-SIDE EYELET COND.
P28	LN-10864	ANT. SHD. TERMINAL
P29	616-23550	.25A POWER TRANS.
P30	614-23559	220V. POWER TRANS.
P31	W-27150	.0005 MFD.
P32	W-237105	500,000 A
P33	W-26537	.03 MFD.
P34		.001 MFD.
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RECORD OF CHANGES	
A	ITEM 13 REPLACED BY ITEM 52
B	ITEM 83 REPLACED BY ITEM 53&54 RECALL P 100
THE CROSLEY RADIO CORPORATION, CINCINNATI, OHIO	
58 WIRING DIAGRAM	
APPROVED NOV 11 1958	SCHEMATIC
58	NO B-27965