

Crosley Corp.

Model: 56TC

Chassis:

Year: Pre 1948

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

Riders Volume 15 - CROSLEY 15-8

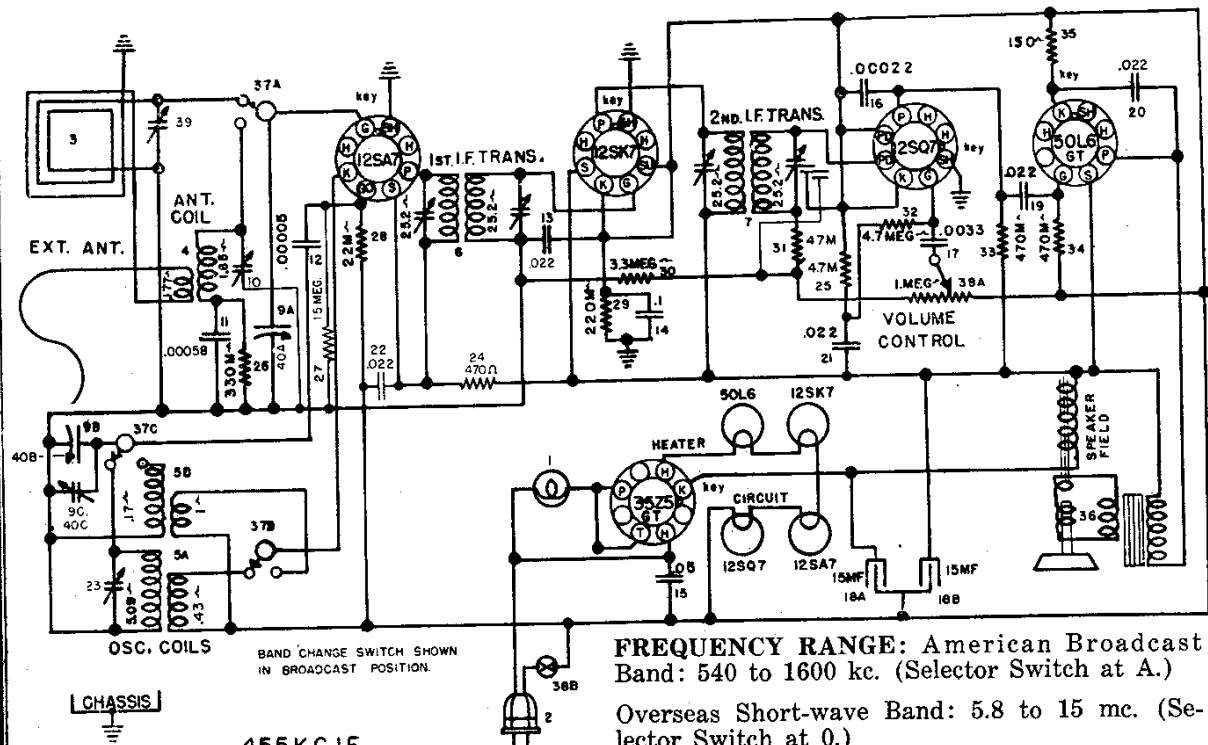
Riders Volume 15 - CROSLEY 15-9

Riders Volume 15 - CROSLEY 15-10

Riders Volume 15 - CROSLEY 15-13

MODELS 56TA, 56TC,
56TW

THE CROSLLEY CORP.



455 K.C.I.F

RESISTANCE OF SPEAKER FIELD: 450 ohms.
SPEAKER FIELD CURRENT: 60 ma.

FREQUENCY RANGE: American Broadcast Band: 540 to 1600 kc. (Selector Switch at A.)

Overseas Short-wave Band: 5.8 to 15 mc. (Selector Switch at 0.)

INTERMEDIATE FREQUENCY: 455 kc.

POWER SUPPLY: a.c—d.c.

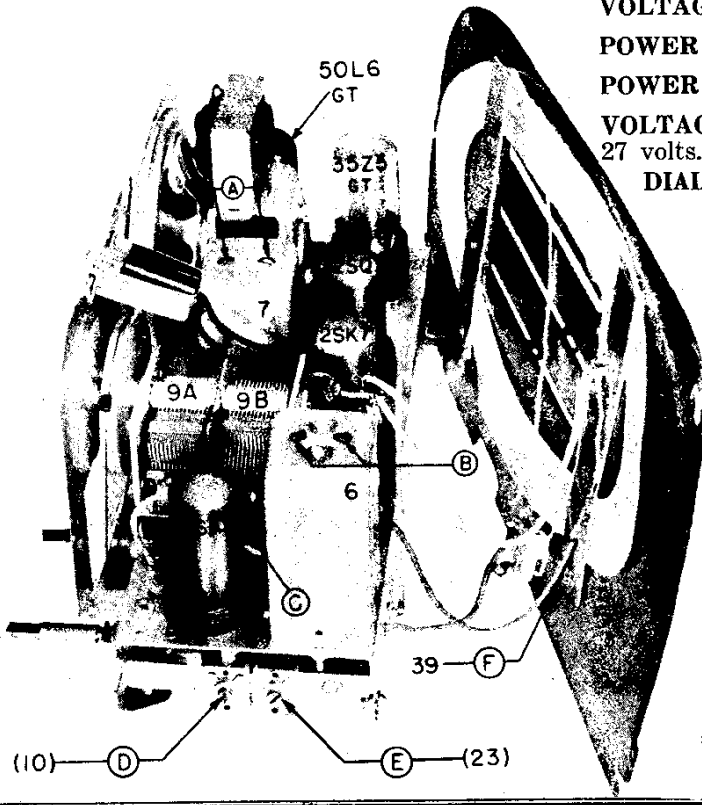
VOLTAGE RATING: 105-125 volts.

POWER CONSUMPTION: 35 watts nominal.

POWER OUTPUT: 1 watt maximum.

VOLTAGE DROP ACROSS SPEAKER FIELD: 27 volts.

DIAL BULB: Type 47, 6.3 volts, .15 amp.



CHASSIS, SIDE VIEW—

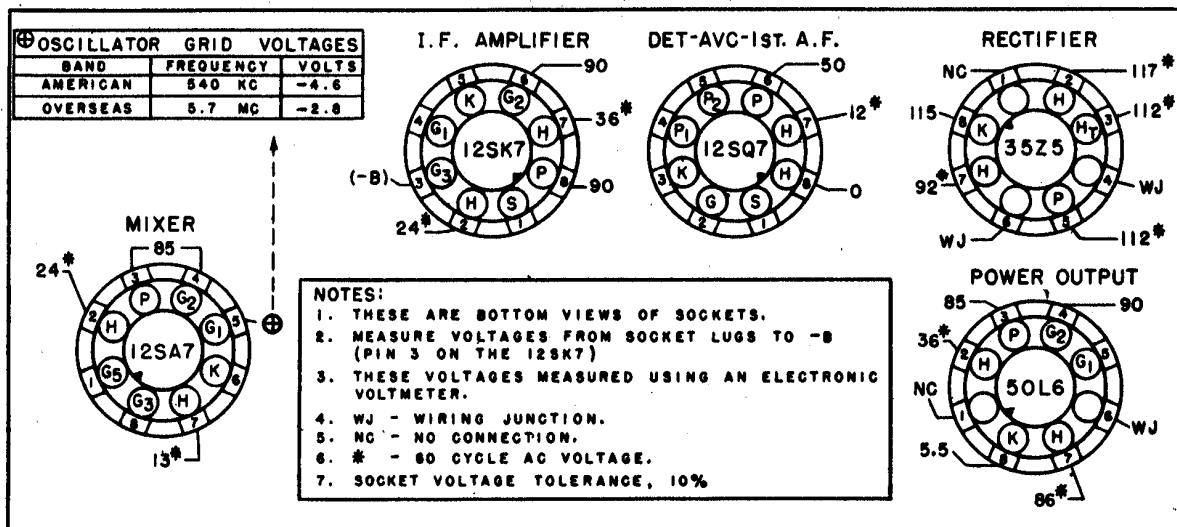
-MODELS 56TA, 56TW, 56TC

Type	Function
12SA7 (or GT/G)	Mixer
12SK7 (or GT/G)	I.F. Amplifier
12SQ7 (or GT/G)	Detector, AVC, 1st A.F. Amplifier
50L6GT	A.F. Power Output
35Z5GT/G	Rectifier

MODELS 56TA, 56TC, 56TW
 MODELS 56TA-L, 56TC-L,
 56TW-L

THE CROSLLEY CORP.

MODELS 56TA, 56TW, 56TC



ALIGNMENT PROCEDURE

MODELS 56TA, 56TW, 56TC

-MODELS 56TA-L, 56TW-L, 56TC-L

1. Turn the tuning condenser to the completely closed position against the stop and set the dial pointer to the reference line at the end of the dial scale.
2. Connect the output meter across the speaker voice coil.
3. The r.f. signal input from the signal generator should be connected to the external antenna lead. Connect the signal generator ground through a 0.1 mfd. condenser to -B (pin 3 on the 12SK7 tube socket Models 56TA, 56TW, 56TC) (pin 4 on 14A7 tube socket Models 56TA-L, 56TW-L, 56TC-L).
4. Turn the volume control on full and adjust the signal generator output to produce approximately mid-scale deflection of the output meter, but maintain signal generator output as low as possible to prevent AVC action in the receiver.

Alignment Sequence	Signal Generator Output			Position of		Adjust for Maximum Output
	Frequency in kc.	In Series with	To	Band Switch	Tuning Dial	
1	455	200 mmf.	Ant.	A	1,620	A & B
2	15,300	400 ohms	Ant.	O	15,300	C
3	15,000	400 ohms	Ant.	O	15,000	D
4	1,400	200 mmf.	Ant.	A	1,400	E & F

NOTE: When aligning the short-wave oscillator trimmer (C), be sure that the circuit is aligned at the correct frequency and not at the image frequency which is 910 kilocycles lower as indicated by the receiver dial. To check: Tune in the generator frequency, then increase the generator output and tune in the image frequency. The image frequency should be weaker than the fundamental and audible 910 kilocycles lower on the receiver dial. If the image cannot be tuned in, the oscillator trimmer is adjusted to the wrong peak; i.e., the oscillator trimmer may be adjusted to the image or one of the harmonics instead of the fundamental frequency. The correct peak is the second one heard as the trimmer adjustment screw is opened from the completely closed position.

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MODELS 56TA, 56TC, 56TW
MODELS 56TA-L, 56TC-L,
56TW-L

MODELS 56TA, 56TW, 56TC

Item No.	Part No.	Description
1	W-48858	Dial Light, 6.3 V
2	C-132300-1	Power Cable and Plug
3		Ant. Loop (Part of Antenna Loop and Back Assembly. See Cabinet Parts.)
4	AW-134994	H. F. Ant. Coil
5A	AW-134993	B. C. Osc. Coil
5B		H. F. Osc. Coil
6	AW-134065	1st I. F. Transformer
7	AW-134158	2nd I. F. Transformer
8	B-134995	Variable Condenser } Two
9A		Variable Condenser } Section
9B		H. F. Ant. Trimmer
10	AB-135088	Condenser, 580 mmf., 300 V. Mica
11	GC-210685-148	Condenser, 50 mmf., Mica
12	39004-5	Condenser, .022 mfd., 200 V. Paper
13	39001-63	Condenser, .1 mfd., 200 V. Paper
14	39001-67	Condenser, .05 mfd., 200 V. Paper
15	39004-9	Condenser, 220 mmf., Mica
16	39001-10	Condenser, .0033 mfd., 600 V. Paper
17		Condenser, 15 mfd., 140 V. } Two
18A	W-134177	Condenser, 15 mfd., 120 V. } Section
18B		Elect. Filter

MODELS 56TA-L, 56TW-L, 56TC-L

Item No.	Part No.	Description
1	W-48858	Dial Light, 6.3 v.
2	C-132300-1	Power Cable and Plug
3		Ant. Loop (Part of Antenna Loop and Back Assembly. See Cabinet Parts.)
4	AW-134994	H. F. Ant. Coil
5A	AW-134993	B. C. Osc. Coil
5B		H. F. Osc. Coil
6	AW-134158	1st I. F. Transformer
7	B-134995	2nd I. F. Transformer
9A		Variable Condenser } Two
9B		Variable Condenser } Section
10	AB-135088	H. F. Ant. Trimmer
11	GC-210685-143	Condenser, 580 mmf., 300 v., Mica
12	39004-5	Condenser, 60 mmf., 500 v., Mica
13	39001-63	Condenser, .022 mfd., 200 v., Paper
14	39001-67	Condenser, .1 mfd., 200 v., Paper
15	39001-65	Condenser, .05 mfd., 200 v., Paper
16	39004-9	Condenser, 220 mmf., 500 v., Mica
17	39001-10	Condenser, .0033 mfd., 600 v., Paper
18A	W-134177	Condenser, 15 mfd., 140 v. } Two
18B		Condenser, 15 mfd., 120 v. } Section
19	39001-63	Condenser, .022 mfd., 200 v., Paper
20	39001-63	Condenser, .022 mfd., 200 v., Paper
21	39001-63	Condenser, .022 mfd., 200 V. Paper
22	39001-63	Condenser, .022 mfd., 200 V. Paper
23	Part of Item #10	
24	39281-11	B. C. Osc. Trimmer
25	39281-17	Resistor, 470 Ohm, 1/2 W.
26	39281-28	Resistor, 330,000 Ohm, 1/2 W.
27	39281-38	Resistor, 15 Megohm, 1/2 W.
28	39281-21	Resistor, 22,000 Ohm, 1/2 W.
29	39281-27	Resistor, 220,000 Ohm, 1/2 W.
30	39281-34	Resistor, 3.3 Megohm, 1/2 W.
31	39281-23	Resistor, 47,000 Ohm, 1/2 W.
32	39281-35	Resistor, 4.7 Megohm, 1/2 W.
33	39281-25	Resistor, 470,000 Ohm, 1/2 W.
34	39281-29	Resistor, 180 Ohm, 1/2 W.
35	39281-8	Speaker
36	GC-49675-9	Band Change Switch } Three
37A	49772-3	Band Change Switch } Section
37B		Band Change Switch } Section
38A	C-46846-6	Control, Volume (1 Megohm) } Assy.
38B		Switch (Power)
39	Part of Item #3	B. C. Ant. Trimmer

Item No.	Part No.	Description
21	39001-63	Condenser, .022 mfd., 200 v., Paper
22	39001-63	Condenser, .022 mfd., 200 v., Paper
23	Part of Item #10	B. C. Osc. Trimmer
24	39281-11	Resistor, 470 Ohm, 1/2 w.
25	39281-17	Resistor, 330,000 Ohm, 1/2 w.
26	39281-28	Resistor, 15 Megohm, 1/2 w.
27	39281-38	Resistor, 22,000 Ohm, 1/2 w.
28	39281-21	Resistor, 220,000 Ohm, 1/2 w.
29	39281-34	Resistor, 3.3 Megohm, 1/2 w.
30	39281-23	Resistor, 47,000 Ohm, 1/2 w.
31	39281-35	Resistor, 4.7 Megohm, 1/2 w.
32	39281-25	Resistor, 470,000 Ohm, 1/2 w.
33	39281-29	Resistor, 180 Ohm, 1/2 w.
34	39281-8	Speaker
35	GC-49675-9	Band Change Switch } Three
36	GC-49675-9	Band Change Switch } Section
37A		Band Change Switch } Section
37B		Control, Volume (1 Megohm) } Assy.
38A	C-46846-6	Switch (Power)
38B	Part of Item #3	B. C. Ant. Trimmer
39	W-47577	Cable Lock Plate
	C-135175	Dial Face
	B-134570	Dial Pointer
	W-134667	Dial Cord Spring
	W-51752	Dial Light Socket Assembly
	39017-4	Drive Shaft
	W-134917	Retaining Ring
	W-10711	Spring Washer
	W-134916	Tube Socket
	W-135371	Trimount Stud (Dial Face and Chassis Bottom Cover)
	W-49770	Grommet
	W-134055	Rubber Bumper
	W-185164	Pinnut (3/8-32)
	W-46662	Plastic Cabinet—Brown (56TA-L)
	D-132136-1	Plastic Cabinet—Ivory (56TW-L)
	AW-134738	Wood Cabinet (56TC-L)
	D-134586	Ant. Loop and Back Assembly (56TA-L, 56TW-L)
	AC-134618	Ant. Loop and Back Assembly (56TC-L)
	AC-134288	Ant. Loop and Back Assembly (56TW-L)
	B-134610	Dial Lens
	W-134382	Knob (56TA-L, 56TC-L)
	W-134888	Knob (56TW-L)
	W-134888	Mounting Screw
	39220-32	Trimount Stud (Dial Lens, 56TA-L, 56TW-L)
	W-136630	Trimount Stud (Ant. Loop and Back Assembly, 56TA, 56TW)
	W-132124	Trimount Stud (Ant. Loop and Back Assembly, 56TA, 56TW)

Figures in first column correspond to figure in Schematic Diagram