

Crosley Corp.

Model: 56TX-L

Chassis:

Year: Pre 1948

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

[Riders Volume 16 - CROSLEY 16-2](#)

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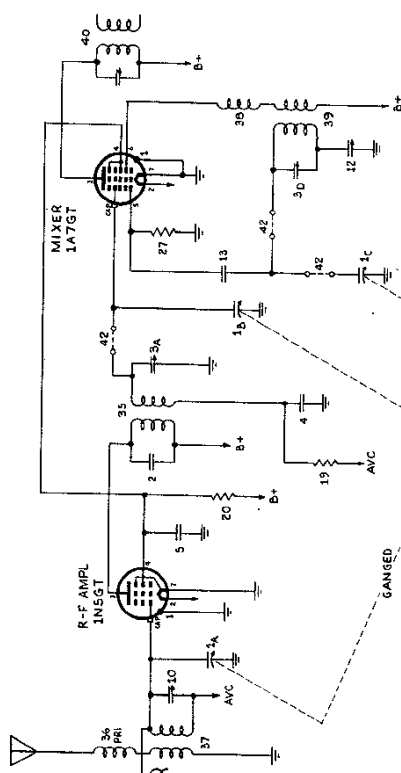
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"clarified schematics"

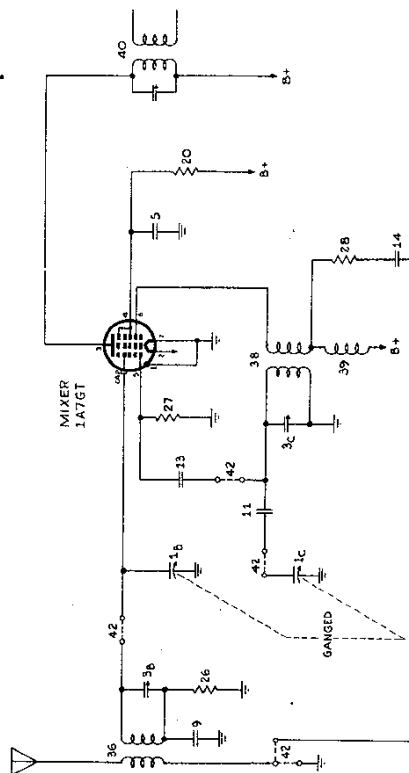
PAGE 16-2 CROSLEY

MODEL 56FC
MODEL 56TX-L

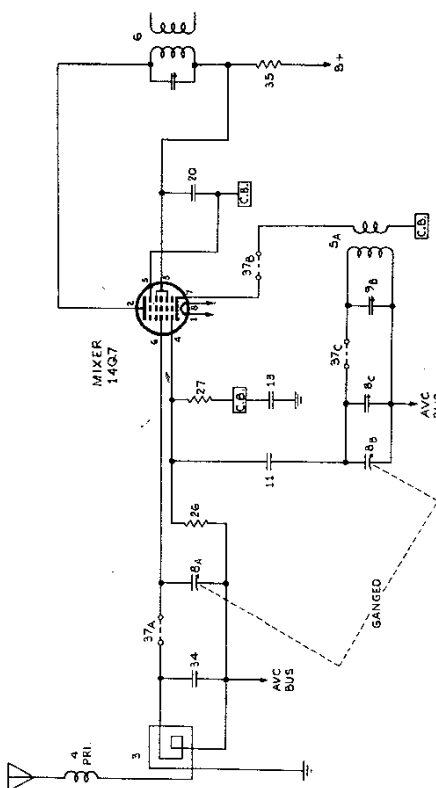
CROSLEY DIV.
AVCOMFG. CORP.



BAND-SWITCH SHOWN
AT 1ST POSITION
BROADCAST BAND
540-1800KC

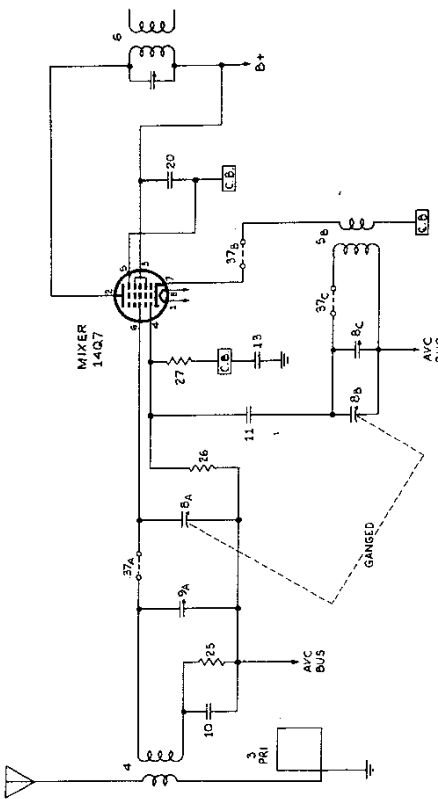


BAND-SWITCH SHOWN
AT 2ND POSITION COUNTERCLOCKWISE.
SHORT WAVE BAND
5.6 - 15 MC.



BAND-SWITCH SHOWN
AT 1ST POSITION.
BROADCAST BAND
540-1600KC

⊠ DENOTES COMMON BUS
ABOVE GROUND BY
C₁₃ (1 μF)



BAND-SWITCH SHOWN
AT 2ND POSITION COUNTERCLOCKWISE.
SHORT WAVE BAND
5.6 - 15 MC.

⊠ DENOTES COMMON BUS
ABOVE GROUND BY
C₁₃ (1 μF)

PARTS LIST—MODEL 56TX-L

Item No.	Part No.	Description	Item No.	Part No.	Description
1	W-48868	Bob (Dial), Type 47, 6.3v., 15 amp.	26	32254-38	Resistor, 15 megohm, $\frac{1}{2}$ w.
2	C-122500-1	Cable and Plug (power)	27	32254-21	Resistor, 22,000 ohm, $\frac{1}{2}$ w.
3	AC-1241618	Antenna Loop Assembly	28	32254-34	Resistor, 22 megohm, $\frac{1}{2}$ w.
4	AW-1241693	Coil (B. C. Oscillator)	29	32254-35	Resistor, 22 megohm, $\frac{1}{2}$ w.
5A	AW-1241693	Coil (B. C. Oscillator)	30	32254-36	Resistor, 47 ohm, 1 w.
6	AW-1241695	Coil (H. F. Oscillator)	31	W-137267	Resistor, 47 ohm, 1 w.
7	AW-1241695	Transformer (Set 1, F)	32	W-137267	Resistor, 47 ohm, 1 w.
8	AW-1241695	Transformer (Set 2, F)	33	W-134952	Condenser (Antenna Trimmer)
9	W-134958	Condenser (Variable)	34	W-134952	Condenser (Antenna Trimmer)
10	W-134958	Condenser (Variable)	35	W-134952	Condenser (Antenna Trimmer)
11	W-134958	Condenser (Variable)	36	W-134952	Condenser (Antenna Trimmer)
12	W-134958	Condenser (Variable)	37A	W-134952	Condenser (Antenna Trimmer)
13	W-134958	Condenser (Variable)	37C	W-134952	Condenser (Antenna Trimmer)
14	W-134958	Condenser (Variable)	38	W-134952	Condenser (Antenna Trimmer)
15	W-134958	Condenser (Variable)	39	W-134952	Condenser (Antenna Trimmer)
16	W-134958	Condenser (Variable)	40	W-134952	Condenser (Antenna Trimmer)
17A	W-134958	Condenser, 20 mfd., 100 v. (Section 1)	41	W-134952	Condenser (Antenna Trimmer)
17B	W-134958	Condenser, 20 mfd., 100 v. (Section 2)	42	W-134952	Condenser (Antenna Trimmer)
18	39901-30	Condenser, .02 mfd., 500 v., Paper	43	W-134952	Condenser (Antenna Trimmer)
19	39901-30	Condenser, .02 mfd., 500 v., Paper	44	W-134952	Condenser (Antenna Trimmer)
20	39901-30	Condenser, .02 mfd., 500 v., Paper	45	W-134952	Condenser (Antenna Trimmer)
21	32254-24	Resistor, 470,000 ohm, $\frac{1}{2}$ w.	46	W-134952	Condenser (Antenna Trimmer)
22	32254-25	Resistor, 470,000 ohm, $\frac{1}{2}$ w.	47	W-134952	Condenser (Antenna Trimmer)
23	32254-26	Resistor, 100 ohm, $\frac{1}{2}$ w.	48	W-134952	Condenser (Antenna Trimmer)
24	32254-27	Resistor, 100 ohm, $\frac{1}{2}$ w.	49	W-134952	Condenser (Antenna Trimmer)
25	32254-27	Resistor, 330,000 ohm, $\frac{1}{2}$ w.	50	W-134952	Condenser (Antenna Trimmer)
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			261	W-134952	Condenser (Antenna Trimmer)
			262	W-134952	Condenser (Antenna Trimmer)
			263	W	

These parts will replace the original equipment parts.

PARTS LIST—MODELS 56TZ, 57TQ

Item No.	Part No.	Description	Item No.	Part No.	Description
1	W-48353	Bulb (Dial), Type 47, 4.5 v., 15 amp.	29	38972-87	Resistor, 479,000 ohm, $\frac{1}{2}$ w.
2	C-12290-2	Cable and Plug, Power	30	38973-16	Resistor, 150 ohm, $\frac{1}{2}$ w.
3	AW-133750	Loop Antenna	31A	W-136582	Control, Volume (1 w/telem)
4	AW-133751	Transformer, 1 and 1 F.	31B	38986-14	Switch, Power (Radio)
5	AW-133752	Transformer, 2nd 1 F.	32A	38986-14	Switch, Power (Radio)
6	AW-133753	Condenser, Variable	32B	W-136584	Switch (Radio, Phone, Tone)
7	W-136570	Condenser, Variable	33	AD-136420	Speaker (Less Trimmer)
7A	W-136570	Condenser, Variable	33A	AD-136420	Transformer (Output)
7B	W-136570	Condenser, Trimmer	34	W-137273	Reorder Changer (M-400)
7C	Part of Item 7B	Condenser, Trimmer	35	W-138293	Condenser, Trimmer
8	38901-76	Condenser, .003 mfd., 600 v., Paper	36	W-138293	Condenser, Trimmer
9	38901-76	Condenser, .003 mfd., 600 v., Paper	37	38901-80	Condenser, .02 mfd., 600 v., Paper
10	38901-76	Condenser, .003 mfd., 600 v., Paper	38	W-138293	Condenser, Trimmer
11	38901-17	Condenser, .003 mfd., 600 v., Paper	39	Part of Item 38	Socket, Tube
12	38901-19	Condenser, .003 mfd., 600 v., Paper	40	W-138293	Socket, Tube
13	38901-17	Condenser, .003 mfd., 600 v., Paper	41	38901-80	Condenser, .02 mfd., 600 v., Paper
14	38901-76	Condenser, .003 mfd., 600 v., Paper	42	W-138293	Condenser, Trimmer
15	38901-76	Condenser, .003 mfd., 600 v., Paper	43	W-138293	Condenser, Trimmer
16	38901-76	Condenser, .003 mfd., 600 v., Paper	44	W-138293	Condenser, Trimmer
17	38901-80	Condenser, .02 mfd., 600 v., Paper			Plate and Sub Assembly, Dial
18	38901-80	Condenser, .02 mfd., 600 v., Paper			Pulley (Wood), Idle
18A	W-136770	Condenser, .02 mfd., 600 v., Paper			Other, External (Idle Pulley)
18B	W-136770	Condenser, .02 mfd., 600 v., Paper			Other, External (Drive Cord)
19	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Pointer, Drive
20	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Shunt, Drive
21	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Ring, Retaining
22	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Ring, Retaining
23	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Cabinet (57TQ)
24	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Cabinet (57TQ)
25	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Dial Glass
26	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Dial Glass
27	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Knob (Dial or Volume)
28	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Knob (Radio-Phone)
29	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Needle, Frequency Meter Assembly
30	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Needle, Frequency Meter Assembly
31	38972-16	Resistor, 150 ohm, $\frac{1}{2}$ w.			Lead Support (57Z)

[illegible]

These parts are used on 2nd production models only.

PARTS LIST—MODEL 56TD

Item No.	Part No.	Description	Item No.	Part No.	Description
1	W-145958	Bulb (Dial), Type 47, 5.5 v., 15 amp.	35	359582-35	Control (Volume)
2	C-132000-1	Condenser, .02 mfd., 600 v., paper	36	359583-36	Control (Tone)
3	AC-135000-1	Antenna Loop Assy.	37	359584-37	Switch (Power)
4	AW-185058	Coil Assy. (Oscillator)	27	B-135892	Control (2 megohm)
5	AW-185058	Transformer (Ist. & 2d. F.)	28	B-135893	Control (7 ohm)
6	AW-152687	Transformer (Ist. & 2d. F.)	29	B-135894-29	Condenser, .01 mfd., 600 v., paper
7	B-136510	Condenser, Variable (Two Section)	30	359011-30	Resistor, 22,000 ohm, 1/4 w.
7A	Part of Item 7A	Condenser, Variable (Section)	31	359012-31	Condenser, .003 mfd., 600 v., paper
7B	Part of Item 7B	Condenser, Variable (Section)	32	359013-32	Resistor, 150 ohm, 1/4 w.
7C	Part of Item 7C	Condenser, Variable (Section)	33	W-134535	Resistor, 47 ohm, 1 w.
7D	Part of Item 7D	Condenser, Variable (Section)	34	359284-34	Resistor, 150 ohm, 1/4 w.
7E	Part of Item 7E	Condenser, Variable (Section)	35	359015-35	Resistor, 220 ohm, 1/4 w.
8	359011-38	Condenser, .02 mfd., 600 v., paper	36	C-135828	Roller, Drive Cord
9	359011-39	Condenser, .02 mfd., 600 v., paper	37	W-134681	Spring, Drive Shaft
10	359011-40	Condenser, .02 mfd., 600 v., paper	38	C-135829	Roller, Drive Shaft
11	359011-41	Condenser, .02 mfd., 600 v., paper	39	W-134537	Spring, Drive Shaft
12	359011-76	Condenser, .003 mfd., 600 v., paper	40	W-135915	Shaft, Drive
13	359011-80	Condenser, .02 mfd., 600 v., paper	41	W-134916	Washer, Spring (Drive Shaft)
14	359011-81	Condenser, .02 mfd., 600 v., paper	42	W-134917	Ring, Retaining (Drive Shaft)
15	359011-82	Condenser, .02 mfd., 600 v., paper	43	W-134535	Cabinet Assy.
16	B-135658-53	Condenser, .60 mfd., 600 v., ceramic	44	W-135857	Knob
17	B-135657	Speaker	45	W-135858	Knob
18	359011-17	Condenser, .05 mfd., 600 v., paper	37	359011-37	Control (Volume)
19	359011-18	Condenser, .05 mfd., 600 v., paper	38	359012-38	Control (Tone)
19A	359011-19	Condenser, .05 mfd., 600 v., paper	39	359013-39	Control (7 ohm)
19B	359011-20	Condenser, .05 mfd., 600 v., paper	40	359014-40	Control (2 megohm)
19C	359011-21	Condenser, .05 mfd., 600 v., paper	41	359015-41	Control (7 ohm)
20	359284-33	Resistor, 15 ohm, 1/4 w.	42	359284-34	Resistor, 150 ohm, 1/4 w.
21	359284-34	Resistor, 15 ohm, 1/4 w.	43	359284-35	Resistor, 150 ohm, 1/4 w.
22	359284-35	Resistor, 4.7 megohm, 1/4 w.	44	359284-36	Resistor, 150 ohm, 1/4 w.
23	359284-36	Resistor, 470,000 ohm, 1/4 w.	45	359284-37	Resistor, 150 ohm, 1/4 w.
24	359284-37	Resistor, 470,000 ohm, 1/4 w.	46	359284-38	Resistor, 150 ohm, 1/4 w.
25	359284-38	Resistor, 150 ohm, 1/4 w.	47	359284-39	Resistor, 150 ohm, 1/4 w.
26	359284-39	Resistor, 150 ohm, 1/4 w.	48	359284-40	Resistor, 150 ohm, 1/4 w.
27	B-135892	Control (Power)	49	359284-41	Resistor, 150 ohm, 1/4 w.

These parts will replace the original equipment parts.

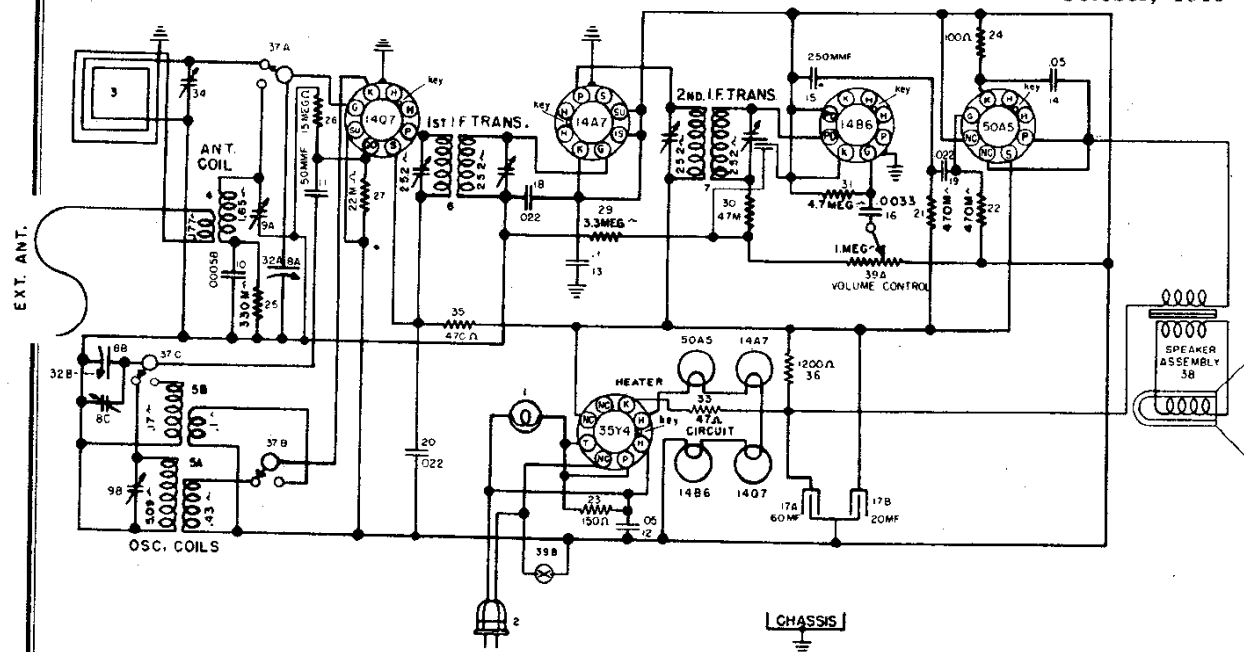
PARTS LIST—MODEL 56TN-L

Item No.	Part No.	Description	Item No.	Part No.	Description
1	W-46838	Bulb (Dial Light), Type 47, 6.3v.	29	W-137467	Resistor, 47 Ohm, 1 W., 1/2 w.
2	C-132200-1	Cable and Plug (power)	30	W-137468	Resistor, 47 Ohm, 1/2 w.
3	AC-154288	Antenna Loop and Rack Assembly	31	39251-23	Resistor, 47,000 Ohm, 1/2 w.
4	W-134288	Resistor, 470,000 Ohm, 1/2 w.	32	39251-24	Resistor, 47,000 Ohm, 1/2 w.
5	AW-134289	Coil (H.F. Oscillator) Two	33	39251-25	Resistor, 470,000 Ohm, 1/2 w.
6	W-134290	Coil (H.F. Oscillator) Section	34	39251-26	Resistor, 150 Ohm, 1/2 w.
7	AW-134295	Transformer (as 1 F.)	35	39251-3	Speaker
8	W-134296	Condenser (Variable) Two	36	DD-138073	Switch (Band Change) Three
9	B-134295	Condenser (Variable) Section	37	DD-138075	Switch (Band Change) Section
10	Part of Item #98	Condenser, Transmitter (H.F. Oscillator)	38	C-46844-6	Control Volume (1 Megohm) Assy.
11	GC-134293-10	Condenser, 680 mfd., 500 v., Mica	39	B. C. Ant. Transmitter	
12	B-228593-43	Condenser, 50 mfd., 500 v., Mica	40	W-13429	Switch (Tone)
13	89001-47	Condenser, 50 mfd., 500 v., Paper	41	W-13429	Socket (500 Ohm, 1 W.)
14	89001-48	Condenser, 50 mfd., 500 v., Paper	42	W-13429	Socket (Tone)
15	89001-45	Condenser, 50 mfd., 500 v., Paper	43	W-138371	Socket Assembly (Dial Light)
16	89001-73	Condenser, 25 mfd., 500 v., Mica		89017-4	Face (Dial)
17	89001-10	Condenser, 25 mfd., 500 v., Paper		W-13429	Pin (Dial Pointer)
18	B-138072	Condenser, 50 mfd., 140 V. Section		W-134297	Shaft (Drive)
19		Condenser, 50 mfd., 120 V. Elct.		W-134297	Ring (Retaining)
20	89001-68	Condenser, .02 mfd., 200 v., Paper		W-13429	Spring (Dial Cord)
21	89001-48	Condenser, .02 mfd., 200 v., Paper		W-13429	Toggle Arm and Link Assembly
22	Part of Item #10	Condenser, Transmitter (H.F. Oscillator)		W-13429	Spring (Lock)
23	39251-11	Resistor, 470 Ohm, 1/2 w.		W-13429	Spring (Mount)
24	39251-3	Resistor, 150 Ohm, 1/2 w.		AB-134637	Cabinet
25	39251-38	Resistor, 150 Ohm, 1/2 w.		D-137113	Lens (Dial)
26	39251-38	Resistor, 150 Ohm, 1/2 w.		D-137113	Knob (Tune)
27	39251-21	Resistor, 22,000 Ohm, 1/2 w.		W-13429	Knob (Tune) (Tune)

28	39281-21	Resistor, 22,000 Ohm, $\frac{1}{2}$ w.	W-184742	Knob, Tone (Large)
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CROSLEY DIV.
AVCO MFG. CORP.*Under no circumstances should a ground be connected to this receiver.*

October, 1946

**TYPE:** Five-tube, two-band, superheterodyne.

455 KC. IF

FREQUENCY RANGE: American Broadcast Band, 540 to 1600 kc. (Selector Switch, Counter-clockwise or Left.)

Overseas Short-wave Band: 5.8 to 15 mc. (Selector Switch, Clockwise or Right.)

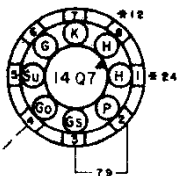
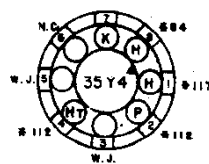
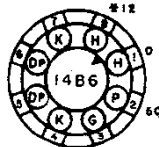
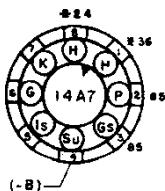
INTERMEDIATE FREQUENCY: 455 kc.**POWER SUPPLY:** a.c.—d.c.**VOLTAGE RATING:** 105-125 volts.**POWER CONSUMPTION:** 35 watts nominal.**POWER OUTPUT:** 1.5 watts minimum.

OSCILLATOR GRID VOLTAGES		
BAND	FREQUENCY	VOLTS
AMERICAN	540 KC	-4.9
OVERSEAS	5.7 MC	-3.8

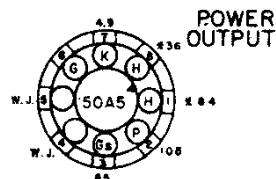
I.F. AMPLIFIER DET.-A.V.C.-1st A.F.

RECTIFIER

MIXER

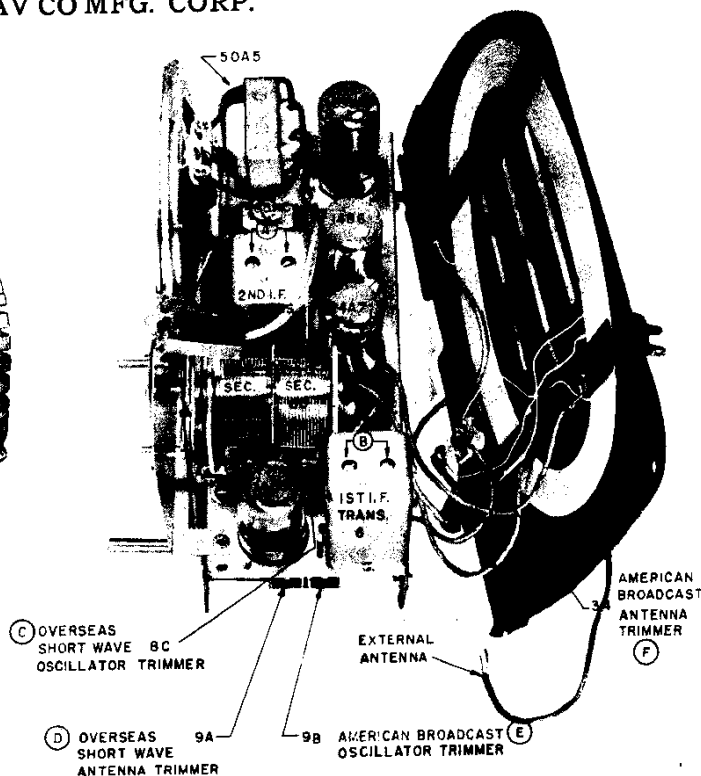
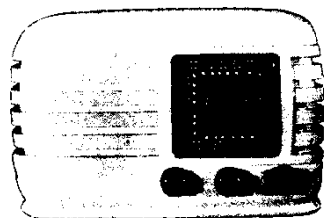
**NOTES:**

1. TUBE SOCKETS ARE BOTTOM VIEWS.
2. MEASURE VOLTAGES FROM SOCKET LUG TO -B (PIN 4 ON THE 14A7)
3. VOLTAGES AS MEASURED WITH AN ELECTRONIC VOLTMETER.
4. WJ—WIRING JUNCTION
5. NC—NO CONNECTION
6. *—AC VOLTAGES
7. VOLTAGE TOLERANCE, 10%
8. LINE VOLTAGE 117V, 60 ~ AC.



POWER OUTPUT

CROSLEY DIV.
AV CO MFG. CORP.



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 4 on 14A7 tube socket).
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.	Left	1,620	A & B
2	15,300	400 ohms	Ant.	Right	15,300	C
3	15,000	400 ohms	Ant.	Right	15,000	D
4	1,400	200 mmf.	Ant.	Left	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.