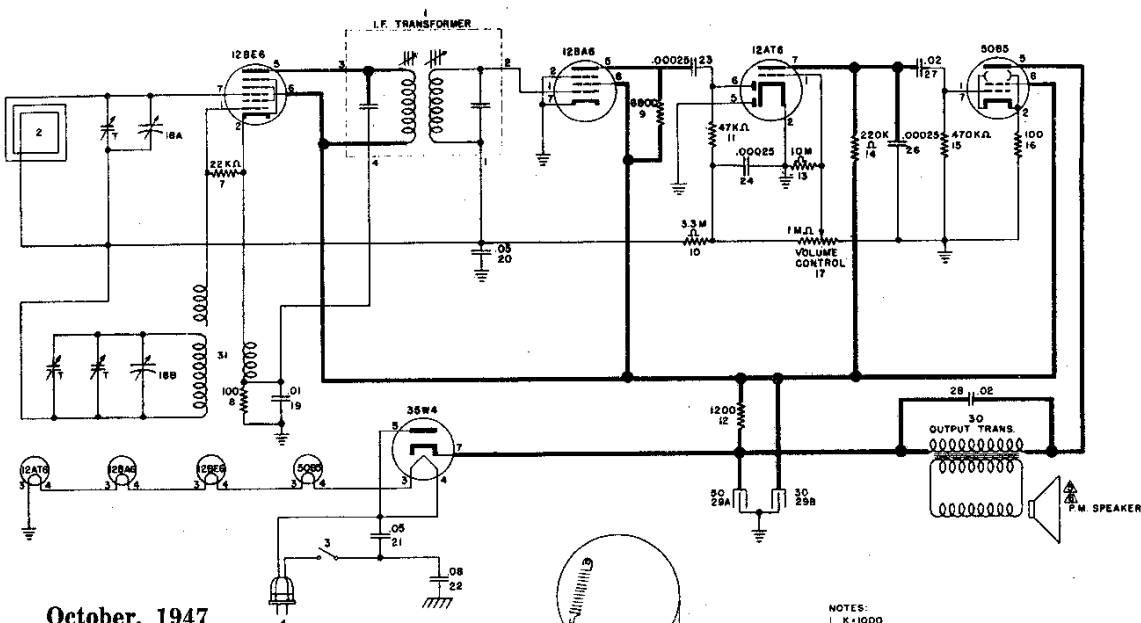


CROSLY DIVISION  
AVCO MFG. CORP.

MODEL 58TK



October, 1947

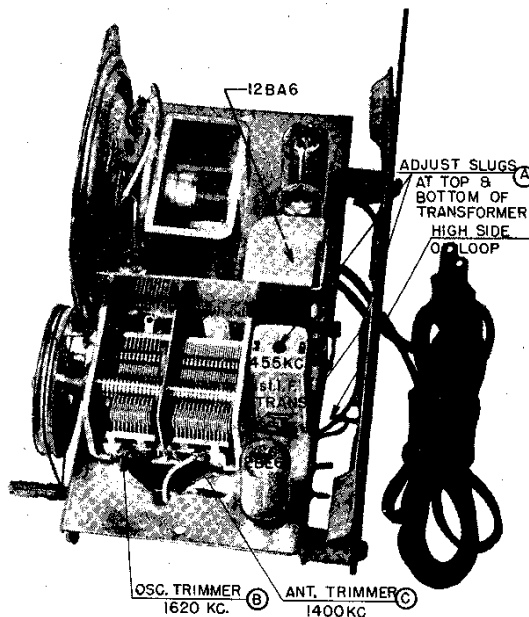
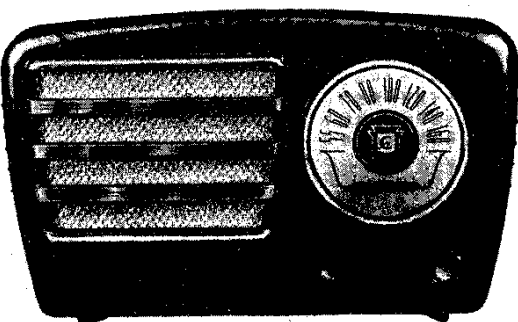
**POWER SUPPLY:** a.c.-d.c.  
**VOLTAGE RATING:** 105-125 volts.  
**POWER CONSUMPTION:** 30 watts.  
**POWER OUTPUT:** 1.5 watts maximum.

**TUBE COMPLEMENT**

Type	Function
12BE6	Converter
12BA6	I. F. Amplifier
12AT6	Detector, AVC, 1st A.F. Amplifier
50B5	A.F. Power Output
35W4	Rectifier

- NOTES:  
 1. K=1000  
 2. M=MEG  
 3. ALL RESISTANCE VALUES IN OHMS,  
 Ω CAPACITANCE VALUES IN MFD,  
 UNLESS OTHERWISE NOTED.  
 4. // // // DENOTES CHASSIS GROUND.  
 5. — DENOTES COMMON WIRING OMITTED  
 FROM DRAWING FOR SAKE OF CLARITY.

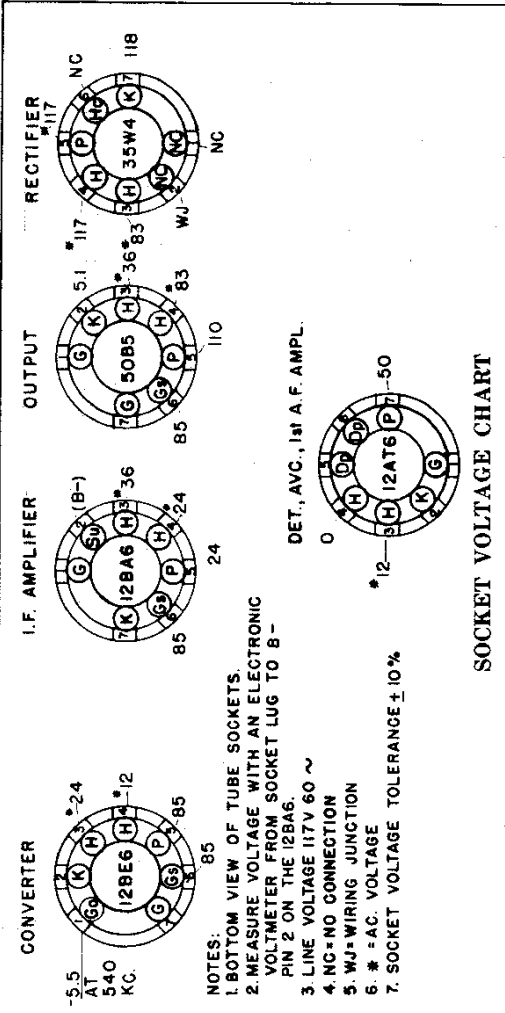
**TYPE:** Five-tube, single band, Superheterodyne.  
**FREQUENCY RANGE:** 540 to 1600 kc.  
**INTERMEDIATE FREQUENCY:** 455 kc.



CHASSIS, TOP VIEW

MODEL 58TK

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SOCKET VOLTAGE CHART

When using direct current it may be necessary to reverse the position of the power plug in the electric outlet for correct polarity.

Reversing the position of the power plug when alternating current is used may reduce hum.

Under no circumstances should a ground be connected to this receiver.

ALIGNMENT PROCEDURE

1. Connect an output meter across the speaker voice coil.
2. The r.f. signal input from the signal generator should be connected to the high side of loop antenna. Connect the signal generator ground through a 0.1 mfd. condenser to B— (pin 2 on 12BA6 tube socket).
3. Turn the volume control on full and adjust the signal generator output to produce approximately midscale 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 Dial Pointer	Adjust for Maximum Output
	Frequency in kc.	In Series with		
1	455	200 mmf.	High Side of Loop	A
2	1620	*Radiated to Loop	1620	B
3	1400	*Radiated to Loop	1400	C

\* Place signal generator output lead near the loop antenna.

REPLACEMENT PARTS LIST

Item No.	Part No.	Description
1	C-139919	Transformer, I.F.
2	AC-139873	Antenna Loop and Back Assy.
3	Part of Item 17	Switch, Power
4	C-132300-2	Cable and Plug Assy., Power
5	AD-138459	Speaker (Less Transformer)
7	39373-60	Resistor, 22,000 ohm, ½ w.
8	39373-14	Resistor, 100 ohm, ½ w.
9	39373-161	Resistor, 6,800 ohm, ½ w.
10	39373-100	Resistor, 3.3 megohm, ½ w.
11	39373-67	Resistor, 47,000 ohm, ½ w.
12	39373-144	Resistor, 1,200 ohm, 1 w.
13	39373-107	Resistor, 10 megohm, ½ w.
14	39373-80	Resistor, 220,000 ohm, ½ w.
15	39373-87	Resistor, 470,000 ohm, ½ w.
16	39373-14	Resistor, 100 ohm, ½ w.
17	B-139635	Control, Volume (1 megohm) and Switch Assy.
*	39368-14	Control, Volume
	39369-1	Switch, Power
18A	B-137073-17	Condenser, Variable { Two
18B		Condenser, Variable { Section
19	39001-13	Condenser, .01 mfd., 600 v., paper
20	39001-17	Condenser, .05 mfd., 600 v., paper
21	39001-17	Condenser, .05 mfd., 600 v., pa
22	39001-19	Condenser, .1 mfd., 600 v., paper
23	39001-73	Condenser, 250 mmf., 600 v., paper
24	39001-73	Condenser, 250 mmf., 600 v., paper
25	39001-76	Condenser, .003 mfd., 600 v., paper
26	39001-73	Condenser, 250 mmf., 600 v., paper
27	39001-80	Condenser, .02 mfd., 600 v., paper
28	39001-80	Condenser, .02 mfd., 600 v., paper
29A	B-136770	Condenser, 50 mfd., 150 v. { Two Sect.
29B		Condenser, 30 mfd., 150 v. { Two Sect.
30	B-137728	Transformer, Output
31	AW-142640	Coil Assy., Oscillator
	D-139763	Cabinet
	B-139898	Dial
	W-139947	Grill Cloth
	W-139925	Knob
	W-139899	Pointer Disc, Dial
	W-51071	Ring, Retaining
	B-135075-4	Shaft, Drive
	39462-1	Socket, Tube
	W-51752	Spring, Dial Drive Cord
	W-132124	Stud, Trimount
	W-134916	Washer, Spring

\* These parts will replace the original equipment parts.