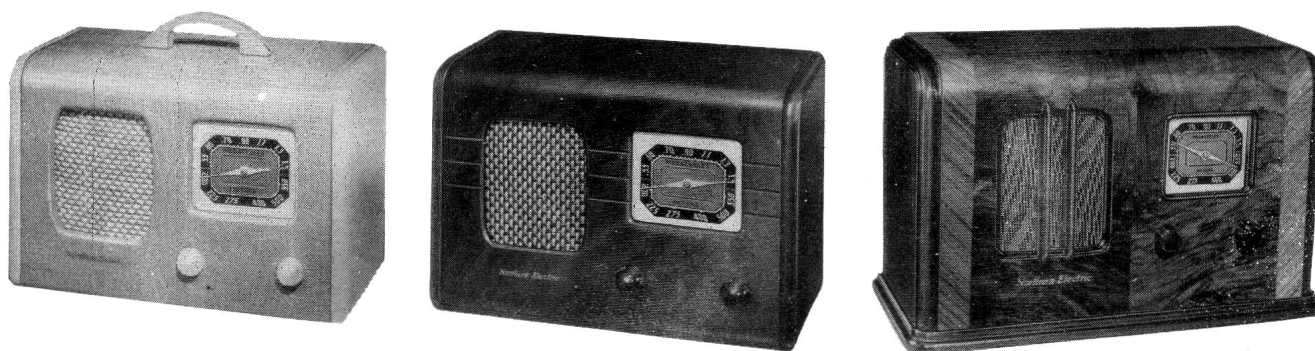


Models 550-I, P & W and 552

AC-DC Universal Superheterodyne

Radio Receiver



Specifications

Frequency Range:

535 K.C. to 1510 K.C.
(Standard Broadcast)

I.F.:

470 K.C.

Tubes:

Type	Position
12SA7	Converter
12SK7	I-F Amplifier
12SQ7	2nd Detector, AVC and 1st Audio Amplifier
35L6GT	Output
35Z5GT	Rectifier

Power Supply:

110-125 volts, 25-60 cy.
110-125 volts D.C.
Consumption: 30 watts

A.V.C.:

On 12SK7 I.F. and 12SA7 Converter.

Controls:

Two; left-hand knob, volume control and rotary power switch.
Right-hand knob, tuning control.

Power Output:

1.5 watts.

Loudspeaker:

550 model 4" E.D.
552 model 5" E.D.

Dial:

Rectangular metaloid foil. Double end pointer. Scale directly illuminated.

Cabinets:

Model 550-I, Ivory shaded fabricoid covered wood.
Model 550-P, Pearl white tone fabricoid covered wood.
Models 550-W and 552, Walnut.

Audio System:

Audio portion of 12SQ7 resistance-capacitance coupled to 35L6GT power output.

Antenna:

Built-in loop with provision made for use of external antenna.

Dimensions:

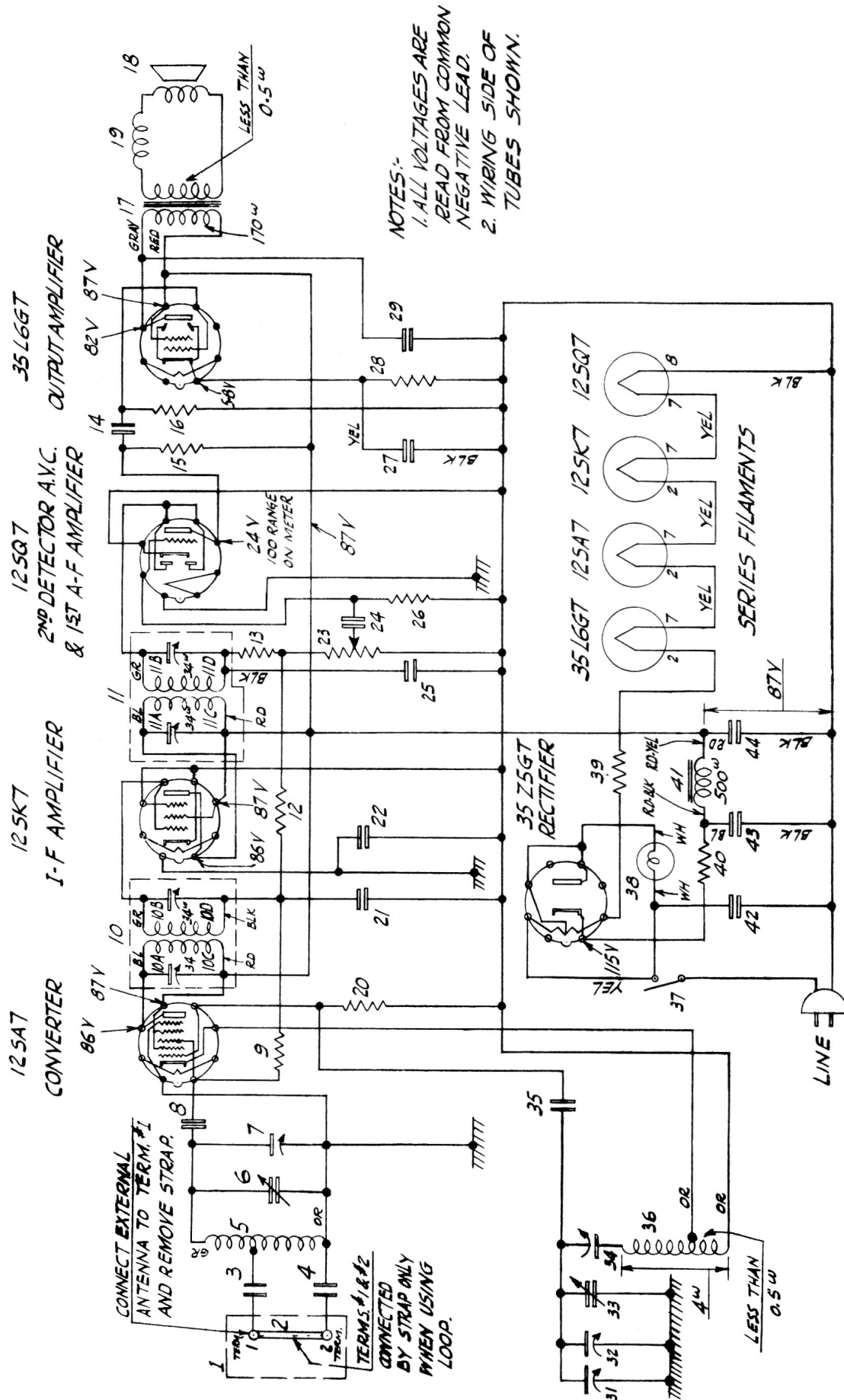
Chassis 550; 9" long, 3-15/16" wide (including flange), 1-15/32" high.

Chassis 552; 9" long, 4-1/2" wide (including flange), 1-15/32" high.

Cabinet; 550-I & P; 10-1/8" long, 5-1/8" wide, 6-3/4" high plus 1-1/16" for handle.

Cabinet; 550-W; 10-1/8" long, 5-1/8" wide, 6-3/4" high.

Cabinet; 552; 14-5/8" long, 6-9/16" wide and 9" high.



MODELS 550 AND 552 RADIO RECEIVERS

REPLACEMENT PARTS LIST

Item	Description	Part No.	Item	Description	Part No.
1	Ant. Ground Terminal Strip	K-3749-3	31	Trimmer(on gang)1.5-20 mmf.	
2	Metal Strap	K-3291-1		Part of K-5524-2	
3	Capacitor: .003 mf. 400 volt	K-2228-3	32	Trimmer(on gang)1.5-20 mmf.	
4	Capacitor, mica; 100 mmf.	K-1611-2		Part of K-5524-2	
5	(Loop Assembly (model 550)	K-5472-3	33	Tuning Gang:Osc.420 mmf.Part of	K-5524-2
	(Loop Assembly (model 552)	K-5472-4	34	Oscillator lag,cap.300-625 mmf.	K-3860-8
6	Tuning Gang:Ant.420 mmf.Part of	K-5524-2	35	Capacitor, mica: 50 mmf.	K-1611-1
7	Trimmer(on gang)1.5-20 mmf.		36	B.C.Oscillator Coil	K-5536
	Part of K-5524-2		37	On-Off Switch	Part of K-4991-2
8	Capacitor, mica: 1000 mmf.	K-1611-23	38	Dial Lamp (6.3 V. 250 ma.)	K-2589-3
9	Resistor: 1 meg. 1/2 watt	K-2226-2	39	Resistor: 60 ohms, 2 watt	K-4990-14
10	1st I-F Trans.Assembly complete	K-5510	40	Resistor: 35 ohms, 1/2 watt	K-2252-2B
10A-10B	1st I-F Trimmer	K-5688	41	Loudspeaker field,500 ohm;	
10C-10D	1st I-F coil only	K-5511		Part of K-5002-2	
11	2nd I-F trans.assy. complete	K-5512	42	Capacitor: .03 mf. 400 volt	K-2228-18
11A-11B	2nd I-F trimmer	K-5688	43	Capacitor: 40 mf. 150 V.Part of	K-5438-2
11C-11D	2nd I-F Coil only	K-5513	44	Capacitor: 40 mf. 150 V.Part of	K-5438-2
12	Resistor: 2 meg. 1/2 watt	K-2226-1	MISCELLANEOUS:		
13	Resistor: 50,000 ohm, 1/2 watt	K-2226-6	Sockets (Octal base, small size)		K-4944
14	Capacitor: .01 mf. 200 volt	K-2227-6	Dial Scale		K-5565
15	Resistor: .25 meg. 1/2 watt	K-2226-4	Dial Indicator		K-5509
16	Resistor: .5 meg. 1/2 watt	K-2226-3	Dial Spring		K-3687-2
17	(Output transformer assy. (550)	K-5008-3	Dial Cord 10" (order by feet)		K-4636
	(Output transformer assy. (552)	K-5650	Dial Cover (celluloid)		K-5518-3
18	(Loudspeaker Assembly (550)	K-5002-2	Drive Shaft		K-4489-8
	(Loudspeaker Assembly (552)	K-5649	Lamp Socket		K-5517
19	(Hum Coil (550)(not replace.)		Knobs (550 I & P)		K-4989-2
	Part of K-5002-2		Knobs (550 W)		K-4989-1
	(Hum Coil (552)(not replace.)		Knobs (552)		K-4762-1
	Part of K-5649		Standoff (3 terminals) (for loop)		K-5573
20	Resistor: 20,000 ohms, 1/2 watt	K-2226-8	Standoff (3 terminals)		K-2348
21	Capacitor: .05 mf. 200 volt	K-2227-8	Standoff (2 terminals)		K-1683-1
22	Capacitor: .25 mf. 200 volt	K-2227-10	Loop Antenna Assembly (550)		K-5472-3
23	Volume Control(with Sw.)(.5 meg)	K-4991-2	Loop Antenna Assembly (552)		K-5472-4
24	Capacitor: .01 mf. 200 volt	K-2227-6	Loop Antenna (550)		K-5572-3
25	Capacitor; mica: 400 mmf.	K-1611-24	Loop Antenna (552)		K-5572-4
26	Resistor: 10 meg., 1/2 watt	K-2226-74	Back Cover (550)		K-5576
27	Capacitor:20 mf.25 volt,Part of	K-5438-2	Back Cover (552)		K-5571
28	Resistor: 220 ohms, 1/2 watt	K-2252-38	Spring Clip(coil retain.)(2nd IF Tran.)		K-5791
29	Capacitor: .02 mf. 200 volt	K-2227-7			

REALIGNING DETAILS

I.F.:

With .1 mf. capacitor in signal generator lead, set generator to 470 K.C.; connect to 12SA7 converter grid, adjust trimmers, items 10A, 10B, 11A and 11B (ground lead of generator should be connected to common negative lead.)

R.F.:

Connect high signal generator lead through 100-mmf. capacitor to antenna terminal (#1) on rear cover of set, after removing strap from between terminals #1 and #2. Set dial and generator frequency to 1400 K.C. Align oscillator trimmers, items 31 and 32 (trimmers on front section of gang). Align antenna trimmer, item 7 (trimmer on rear section of gang), rocking the tuning gang while doing so. Set generator and receiver to 600 K.C., align oscillator lag, item 34 (on fixed end of oscillator coil, under chassis), rocking the gang while doing so. Recheck at 1400 K.C.

IMPORTANT NOTE: When aligning the 550 or 552 receiver, it is necessary to cover the end of the chassis containing the oscillator coil, with a steel plate. This must be done to obtain correct calibration.