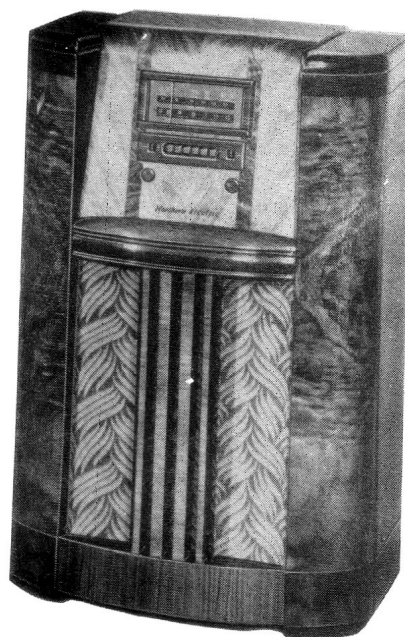
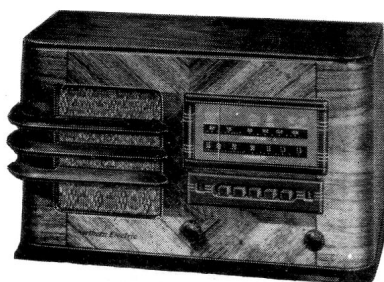


Models 556, 556-A, 557, and 557-A

A-C Superheterodyne Radio Receiver



Specifications

Frequency Range:

Broadcast: .54 to 1.52 megacycles
Shortwave: 5.75 to 15.6 megacycles

I.F.:

470 kilocycles

Tubes:

Type	Position
6SA7	Converter
6SK7	I-F Amplifier
6SQ7	2nd Detector, A.V.C. and 1st A-F Amplifier
6F6G	Output
5Y4G	Rectifier

Power Supply:

110-125 volts A-C

Power Output:

3.0 watts.

A.V.C.:

Applied to 6SA7 converter and 6SK7 I-F amplifier

Audio System:

First A-F section of 6SQ7 resistance-capacitance coupled to 6F6G output.

Antenna:

Built-in loop on rear cover for Broadcast. Special antenna mounted above chassis for Shortwave. Provision is also made for use of external antenna.

Controls:

(Four)

- (1) Volume and Switch
- (2) Tuning
- (3) Two-Position Tone
- (4) Band

Loudspeaker:

Model 556 & 556-A: 5" E.D.
Model 557 & 557-A: 8" E.D.

Automatic Tuning:

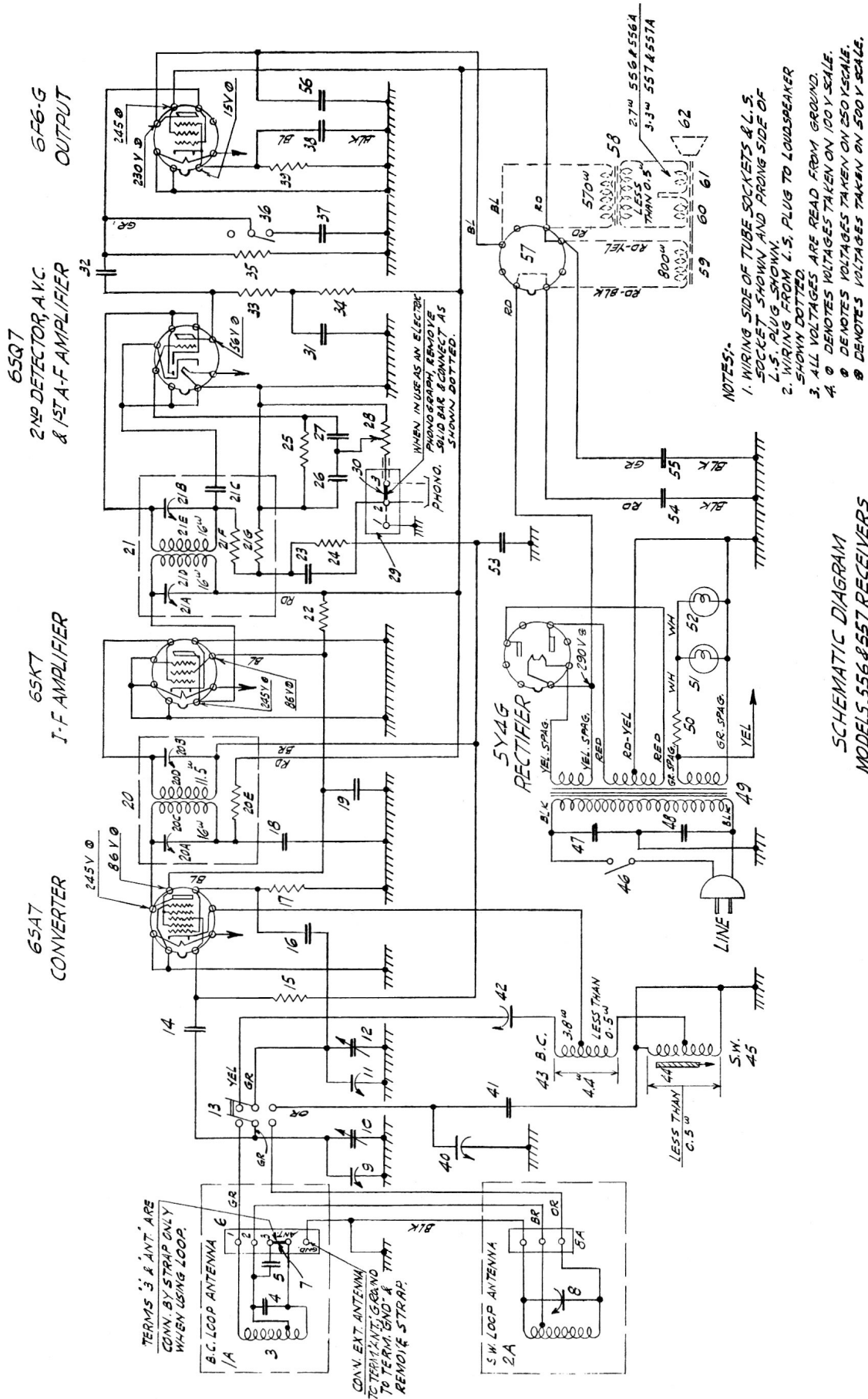
Six mechanically-operated pushbuttons for selection of stations.

Dimensions:

Chassis: (556, 556-A, 557 and 557-A) 12 $\frac{3}{8}$ " long, 5 $\frac{1}{4}$ " wide and 2-5/16" high.

Cabinet: (556 and 556-A) 19" long, 8 $\frac{3}{8}$ " wide and 11 $\frac{1}{8}$ " high.

Cabinet: (557 and 557-A) 38" high, 25" wide and 13" deep.



SCHEMATIC DIAGRAM
MODELS 556 & 557 RECEIVERS
A-C SUPERHETERODYNE

REPLACEMENT PARTS LIST

Item	Description	Part No.	Item	Description	Part No.
1A	Broadcast Loop Assembly.....	K-5745	43	B.C. Oscillator Coil.....	K-5743
2A	Shortwave Loop Assembly.....	K-5746	44	S.W. Oscillator Coil Core, Part Of	K-5744
3	Broadcast Loop.....	K-5812-1	45	S.W. Oscillator Coil.....	K-5744
4	Capacitor, mica: 200 mmf.....	K-1611-3	46	On-Off Switch, Part Of.....	K-5758-1
5	Capacitor, mica: 100 mmf.....	K-1611-2	47	{ Buffer Capacitor, Double Unit	K-5078
6	Terminal Strip (Ant. & Gnd.)	K-5737	48	{ (Line Filters) .025 mf.	
7	Metal Strap.....	K-3291-1	49	{ Power Trans. 60 cy. (556-557).....	K-3700-16
8	Trimmer: 16-72 mmf.....	K-1458-8		{ Power Trans. 25 cy. (556A-557A)...	K-3700-15
8A	Terminal Strip (Shortwave).....	K-5691-4	50	Resistor: 1 ohm, 1/2 watt.....	K-2252-8
9	Trimmer (on gang).....Part Of	K-5735	51	Dial Lamp (6.3 volt).....	K-2589-3
10	Tuning Gang (ANT) 485 mmf. Pt Of	K-5735	52	Dial Lamp (6.3 volt).....	K-2589-3
11	Trimmer (on gang).....Part Of	K-5735	53	Capacitor: .05 mf. 200 volt.....	K-2227-8
12	Tuning Gang (OSC) 485 mmf. Pt. of	K-5735	54	Capacitor: 20 mf. 450 V. Part Of...	K-5740-1
13	Band Switch.....	K-4029-2	55	Capacitor 20 mf. 400 V. Part Of...	K-5740-1
14	Capacitor, mica: 1000 mmf.....	K-1611-23	56	Capacitor .005 mf. 600 volt.....	K-5660-5
15	Resistor: 1 meg., 1/2 watt.....	K-2226-2	57	{ Speaker Socket.....	K-5720
16	Capacitor, mica: 50 mmf.....	K-1611-1		{ Speaker Plug.....	K-2678
17	Resistor: 20,000 ohms, 1/2 Watt.....	K-2226-8	58	{ Output Trans. Assy. (556-556-A)....	K-3873-5
18	Capacitor: .1 mf. 400 volt.....	K-2228-9		{ Output Trans. Assy. (557-557-A)....	K-4046-5
19	Capacitor: .1 mf. 400 volt.....	K-2228-9		{ Loudspeaker Field 800 ohms	
20	1st I-F Trans. Assy. Complete.....	K-4609-2	59	{ (556 and 556-A) Part Of.....	K-5649-2
20A	{ 1st I-F Trimmers only.....	K-2134-6		{ Loudspeaker Field 800 ohms	
20B				{ (557 and 557-A) Part Of.....	K-5733
20C	{ 1st I-F Coils only.....	K-4610		{ Hum Coil (not replaceable)	
20D			60	{ (556 and 556-A) Part Of.....	K-5649-2
20E	Resistor: 1000 ohms, 1/2 Watt.....	K-2226-16		{ Hum Coil (not replaceable)	
21	2nd I-F Trans. assy. complete.....	K-4545-2		{ (557 and 557-A) Part Of.....	K-5733
21A	{ 2nd I-F Trimmers only.....	K-2932-1	61	{ Voice Coil (not replaceable)	
21B				{ (556 and 556-A) Part Of.....	K-5649-2
21C				{ Voice Coil (not replaceable)	
21D	{ 2nd I-F Coils only.....	K-4585		{ (557 and 557-A) Part Of.....	K-5733
21E			62	{ Loudspeaker Assy. (556 & 556-A)...	K-5649-2
21F	Resistor: 50,000 ohms, 1/2 Watt.....	K-2226-6		{ Loudspeaker Assy. (557 & 557-A)...	K-5733
21G	Resistor, 1/2 meg, 1/2 Watt.....	K-2226-3			
22	Resistor: 13,500 ohms, 2 watt.....	K-3352-11			
23	Capacitor: .02 mf. 200 volt.....	K-2227-7			
24	Resistor: 2 meg., 1/2 Watt.....	K-2226-1			
25	Resistor: 10 meg, 1/2 watt.....	K-2226-74			
26	Capacitor, mica 100 mmf.....	K-1611-2			
27	Capacitor: .02 mf. 200 volt.....	K-2227-7			
28	Volume Control: 2 Meg. (with switch)	K-5758-1			
29	Terminal Strip (phono. conns).....	K-2456-2			
30	Metal Strap.....	K-3291-1			
31	Capacitor: .1 mf. 400 volt.....	K-2228-9			
32	Capacitor: .02 mf. 400 volt.....	K-2228-7			
33	Resistor: 1/4 meg. 1/2 watt.....	K-2226-4			
34	Resistor: 50,000 ohms, 1/2 W.....	K-2226-6			
35	Resistor, 1/2 meg, 1/2 watt.....	K-2226-3			
36	Tone Switch.....	K-4029-3			
37	Capacitor: .01 mf. 200 Volt.....	K-2227-6			
38	Capacitor: 20 mf. 25 V. Pt. of.....	K-5740-1			
39	Resistor: 500 ohms, 1/2 Watt.....	K-2226-18			
40	Trimmer: 10-55 mmf.....	K-1458-3			
41	Capacitor, mica, 6500 mmf.....	K-1952-33			
42	Trimmer: 355-800 mmf.....	K-3860-9			

MISCELLANEOUS

Sockets (tube and loudspeaker).....	K-5720
Dial Scale.....	K-5755
Dial Indicator.....	K-5805
Pushbutton pulley cord 48" long.....	K-5752
(order by feet)	
Manual Tuning Pulley Cord 24" long....	K-4636
(order by feet)	
Dial Cover (celluloid).....	K-5727-2
Spring (small dial pulley).....	K-3804-2
Spring (large dial pulley).....	K-3790
Pulley (wood).....	K-5717
Shaft.....	K-5664
Sleeve.....	K-5665
Clamp.....	K-5666
"C" Washer.....	K-2895
Knob (volume and tuning).....	K-5176-1
Knob (pushbutton).....	K-5707
Standoff, on top of chassis (single terminal)	K-2594-1
Standoff, underneath chassis (two terminals).....	K-1683-1
Dial Lamp Socket.....	K-5722-1
Station Names Sheet.....	K-5731

REALIGNING DETAILS

I.F. ALIGNMENT:

Connect the high generator lead to the 6SA7 grid through a 0.1 mf. capacitor. Connect the low side to ground. Set the generator to 470 kilocycles and adjust items 20A, 20B, 21A, 21B (on I-F Cans) for maximum output.

BROADCAST ALIGNMENT

Connect the high signal generator lead through a 100-mm.f. capacitor to the antenna terminal on rear of receiver. (Remove strap from between terminals "3" and "ANT".) Set generator and receiver to 1400 kilocycles and adjust oscillator trimmer, item 11 (located at left-end of gang), for maximum output. Adjust antenna trimmer, item 9 (located at centre of gang) for maximum output. Rock the gang while doing so. Set the generator to 600 kilocycles and tune in the signal. Adjust trimmer, item 42 (located at

right-end of chassis) for maximum output, rocking the gang while doing so. Recheck at 1400 kilocycles.

SHORT-WAVE ALIGNMENT:

Connect generator through a 400-ohm resistor to antenna and ground terminals of receiver. Set generator and receiver to 15.0 M.C. and adjust trimmer, item 40 (located under chassis at front) for maximum output. **NOTE** Two signals may be obtained; the correct signal is the one with the trimmer screw furthest out. Adjust trimmer, item 8 (located on short-wave loop) for maximum output, rocking the gang while doing so. Set the generator to 6.0 M.C. and tune in signal. Adjust iron core, item 44 (located at right-end of chassis) for maximum output, rocking the gang while doing so. Recheck at 15.0 M.C.