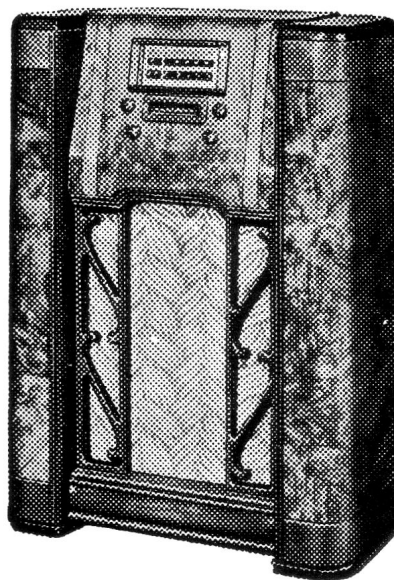


Models 1556 & 1557

A-C Superheterodyne Radio Receiver



Specifications

Frequency Range:

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

I.F.:

463 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) Tone
 - (4) Band

Loudspeaker:

Model 1556: 5" E.D.
Model 1557: 8" E.D.

Automatic Tuning:

Six mechanically-operated pushbuttons for selection of stations.

Phono Radio Terminals:

Provision is made for use of receiver as an electric phonograph.

Dimensions:

Chassis: (both models) 12 $\frac{3}{8}$ " long, 5 $\frac{1}{4}$ " wide and 2 $\frac{5}{16}$ " high.
Cabinet: (1556) 19 $\frac{1}{2}$ " long, 9" wide and 11 $\frac{3}{8}$ " high.
Cabinet: (1557): 38" high, 27 $\frac{3}{8}$ " wide and 12 $\frac{5}{8}$ " deep.

*SCHEMATIC DIAGRAM
MODELS 1556 & 1557 RECEIVERS
A-C SUPERHETERODYNE*

REPLACEMENT PARTS LIST

Item	Description	Part No.	Item	Description	Part No.
1A	Broadcast Loop Assembly.....	K-5745	42	Trimmer: 355-800 mmf.....	K-3860-9
2A	Shortwave Loop Assembly.....	K-5746	43	B.C. Oscillator Coil.....	K-5743
3	Broadcast Loop.....	K-5812-1	44	S.W. Oscillator Coil Core, Part Of	K-5744
4	Capacitor, mica: 200 mmf.....	K-1611-3	45	S.W. Oscillator Coil.....	K-5744
5	Capacitor, mica: 100 mmf.....	K-1611-2	46	On-Off Switch, Part Of.....	K-5758-5
6	Terminal Strip (Anti. & Gnd.)....	K-5737	47	{Buffer Capacitor, Double Unit....	K-5073
7	Metal Strap.....	K-3291-1	48	{(Line Filters) .025 mf.	
8	Trimmer: 16-72 mmf.....	K-1458-8	49	Power Trans. 25 60 cy.....	K-3700-15
8A	Terminal Strip (Shortwave).....	K-5691-4	50	Resistor: 1 ohm, 1/2 watt.....	K-5975-56 B
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
13A	{Transfer Switch.....	K-6115	55	Capacitor 20 mf. 400 V. Part Of..	K-5740-1
13B			56	Capacitor .005 mf. 600 volt.....	K-5660-5
13C			57	{Speaker Socket.....	K-5720
13D				{Speaker Plug.....	K-2678
14	Capacitor, mica: 1000 mmf.....	K-1611-23	58	{Output Trans. Assy. 556.....	K-3873-5
15	Resistor: 1 meg., 1/2 watt.....	K-5974-25 B		{Output Trans. Assy. 557.....	K-4046-5
16	Capacitor, mica: 50 mmf.....	K-1611-1T	59	{Loudspeaker Field 800 ohms	
17	Resistor: 22,000 ohms, 1/2 Watt....	K-5974-65 B		{556 Part Of.....	K-5649-2
18	Capacitor: .1 mf. 400 volt.....	K-2228-9		{Loudspeaker Field 800 ohms	
19	Capacitor: .1 mf. 400 volt.....	K-2228-9		{557 Part Of.....	K-5733
20	1st I-F Trans. Assy. Complete. }	K-4609-2	60	{Hum Coil (not replaceable)	
20A	{1st I-F Trimmers only.....	K-2134-6		{556.....	K-5649-2
20B				{Hum Coil (not replaceable)	
20C				{557.....	K-5733
20D			61	{Voice Coil and diaphragm	
20E	Resistor: 1000 ohms, 1/2 watt.. }	K-5974-97 B		{556.....	K-5993
21	2nd I-F Trans. assy. complete.....	K-4545-2		{Voice Coil and diaphragm	
21A	{2nd I-F Trimmers only.....	K-2932-1		{557.....	K-5992
21B			62	{Loudspeaker Assy. 556.....	K-5649-2
21C				{Loudspeaker Assy. 557.....	K-5733
21D					
21E	{2nd I.F. Coils only.....	K-4585			
21F	Resistor: 47,000 ohms, 1/2 Watt. }	K-5974-57 B			
21G	Resistor, .47 meg, 1/2 Watt.... }	K-5974-33 B			
22	Resistor: 13,000 ohms, 2 watt.....	K-5984-70 A			
23	Capacitor: .02 mf. 200 volt.....	K-2227-7			
24	Resistor: 2.2 meg., 1/2 Watt.....	K-5974-17 B			
25	Resistor: 10 meg, 1/2 watt.....	K-5974-1B			
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-5758-5			
29	Terminal Strip (phono. conns)....	K-5547-3			
31	Capacitor: .1 mf. 400 volt.....	K-2228-9			
32	Capacitor: .02 mf. 400 volt.....	K-2228-7			
33	Resistor: .22 meg. 1/2 watt.....	K-5974-41 B			
34	Resistor: 47,000 ohms, 1/2 watt....	K-5974-57 B			
35	Resistor, .47 meg, 1/2 watt.....	K-5974-33 B			
36	Tone Control, 1/4 meg.....	K-5813-5			
37	Capacitor: .01 mf. 200 Volt.....	K-2227-6			
38	Capacitor: 20 mf. 25 V. Pt. of....	K-5740-1			
39	Resistor: 470 ohms, 1/2 Watt.....	K-5974-105B			
40	Trimmer: 10-55 mmf.....	K-1458-3			
41	Capacitor: mica, 6500 mmf.....	K-1952-33T			

MISCELLANEOUS

Sockets (tube and loudspeaker)	K-5720
Dial Scale.....	K-5755
Dial Indicator Assy.....	K-6108
Pushbutton pulley cord 24" long.....	K-4636
(order by feet)	
Manual Tuning Pulley Cord 48" long...	K-5752
(order by feet)	
Dial Cover (celluloid)	K-5727-2
Spring (small dial pulley).....	K-3804-2
Spring (large dial pulley).....	K-3790
Pulley (for dial indicator).....	K-6053
Shaft.....	K-5664-3
Sleeve.....	K-5665
Clamp.....	K-5666
"C" Washer.....	K-2895
Knob (volume and tuning).....	K-6114-1
Knob (tone and wave band).....	K-6114-2
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
Pushbutton Rod.....	K-5995-1
Spring (used on push button rod).....	K-6191

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 463 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-mmfd. 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 centre of gang), for maximum output. Adjust antenna trimmer, item 9 (located at right-end 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.