

PARTS LIST
AND
INSTRUCTIONS
FOR
INSTALLING AND OPERATING
YOUR
Silvertone
SUPERHETERODYNE RADIO RECEIVER

IN ALL CORRESPONDENCE RELATIVE TO THIS UNIT
ALWAYS MENTION THIS CHASSIS NUMBER.

ORDER REPLACEMENT PARTS BY MAIL OR
THROUGH ANY OF OUR RETAIL STORES
SEARS, ROEBUCK AND CO. - U.S.A.

WHEN ORDERING CHASSIS PARTS OR WRITING
US ABOUT THIS RADIO, ALWAYS GIVE THE
CHASSIS NUMBER INDICATED ON THE METAL
TAG (PICTURED ABOVE) ON THE CHASSIS AND
THE CATALOG NUMBER SHOWN ON THE CAB-
INET STICKER.

IMPORTANT

PLEASE READ THESE INSTRUCTIONS VERY CAREFULLY
BEFORE OPERATING YOUR RADIO.

THE INSTRUCTIONS TELL YOU:

1. HOW TO INSTALL AND OPERATE YOUR RADIO PRO-
PERLY SO THAT YOU WILL HAVE THE FINEST POSSIBLE
RECEPTION.
2. HOW TO KEEP YOUR RADIO IN GOOD CONDITION.
3. HOW TO OBTAIN PROPER SERVICE ATTENTION SHOULD
YOU EVER REQUIRE IT.

IF YOU FOLLOW THE INSTRUCTIONS CAREFULLY YOU
WILL BE ASSURED OF THE FINE PERFORMANCE AND CON-
TINUED SATISFACTION BUILT INTO ALL SILVERTONE
RADIOS.

SEARS, ROEBUCK AND COMPANY

KEEP THIS BOOKLET. IT CONTAINS VALUABLE SERVICE INFORMATION

INSTALLATION

LOCATION

The receiver should be placed on a level surface, convenient to an electric outlet. Do not place the receiver near a radiator or other heater since the cabinet may be damaged.

AC OR DC OPERATION

The receiver is designed for operation from 105-125 volt, 25 to 60 cycle AC or DC current supply. See label attached to the bottom of the cabinet. Never connect to a supply having a different frequency or voltage than specific on the label.

On AC, improved reception may sometimes be obtained by turning the power plug half way around and re-inserting it into the power receptacle. Try the plug both ways and leave it in the position which gives the best reception.

On DC, the receiver will operate with the plug inserted in only one position.

Power consumption of this receiver is 35 watts.

This radio receiver is listed by Underwriters' Laboratories, Inc.

ANTENNA

ANTENNA CONNECTION FOR UNUSUAL CONDITIONS

This receiver has built into it the Silvertone 'RADIONET' Aerial system. This special self-contained aerial system will provide excellent local reception under normal conditions without the use of an outside aerial system. Since only a power connection is normally required, the receiver may be operated in any part of the home convenient to an electric outlet.

For reception of exceptionally weak or distant stations, or in areas where local conditions make it necessary, provision is made for connecting an outdoor antenna. Typical of local conditions that may make an outdoor antenna necessary, is installation of the receiver in a shielded building (one having a large amount of steel in its structure) or installation in areas known as 'dead spots' (locations where stations are received weakly, often due to ore deposits in the ground).

If an ordinary antenna is used, its lead-in should be connected to the "External Antenna Connection" taped to the inside back of the cabinet.

This receiver does not require a ground connection.

OPERATION

ON-OFF SWITCH AND VOLUME CONTROL

This is the knob to the left on the front of the Cabinet. When it is turned to the extreme left (counter clockwise) the radio is turned off. As it is turned to the right (clockwise) a click is heard.

As the knob is turned further to the right, the radio becomes louder and when it is turned to the left, the radio becomes softer. The knob setting should be advanced when searching for stations and then reduced to facilitate accurate tuning after the station has been picked up.

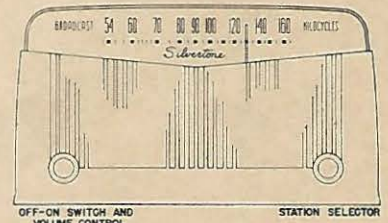
STATION SELECTOR

This is the knob to the right on the front of the cabinet. Stations are tuned in by rotating this knob until the program has the deepest tone and least amount of background noise.

When the station has been tuned in properly, the Volume Control Knob should be turned to the point giving the desired volume. Never attempt to reduce the volume by tuning off the station with the Station Selector knob. Always use the Volume Control.

DIAL

The dial is marked in kilocycles. Actual frequency (kilocycles) may be read by adding a zero (0) to any number shown on the dial. If the frequency of a desired station is known, it can be tuned in within a degree or two of its corresponding dial marking. The frequency numbers of broadcast stations can usually be found in the radio program page of your local newspaper or from a 'radio log'.



NORMAL CARE AND MAINTENANCE

To maintain the radio at top notch efficiency, it is advisable to have the tubes tested every six months. They can be taken to any Sears retail store for free testing.

If an outdoor antenna is used, it is advisable to have a Sears service man inspect it periodically, perhaps once a year. All connections should be checked to be sure that they are clean and tight, that no wires are broken, and that the antenna is well insulated from the ground at all points.

IF THE RECEIVER FAILS TO OPERATE PROPERLY, CAREFULLY CHECK THE FOLLOWING:

Reread the instructions carefully to see if the set has been properly installed.

Be sure the power cord is making a good contact. As a means of checking, connect radio into another outlet that has been giving satisfactory service.

Check to see if the tubes are pushed all the way down in the sockets.

IF THE RADIO STILL DOES NOT WORK AND WAS PURCHASED FROM:

MAIL ORDER

Remove the tubes and have them checked at your nearest Sears Retail Store or local radio shop.

If it still does not operate properly, write the mail order house from which you ordered the radio, describing the trouble you are having. We will advise what action is to be taken.

RETAIL

Take the radio to the Customer Service Department in your nearest Sears Retail store.

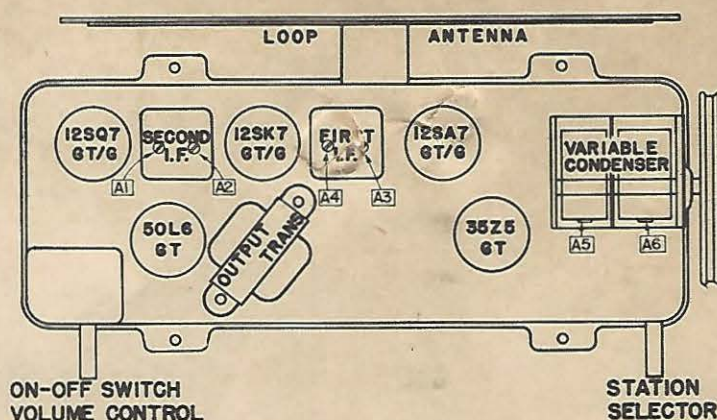
GUARANTEE

We guarantee every Silvertone Radio to be free from defects in material or workmanship. We will replace or repair free of charge for a period of 90 days from date of purchase any part or portion of the radio chassis, speaker or cabinet which proves to be defective. Silvertone tubes carry a separate guarantee.

TECHNICAL INFORMATION FOR SERVICE MEN

Tuning range 540 Kc. to 1600 Kc. Intermediate frequency — 455 Kc. I-f and r-f measurements made at .5 watt output — approximately 1.26 volts on a rectifier type voltmeter connected across the voice coil.

Approximately inputs for .5 watt output: I-f 200 uv. R-f with standard loop: at 600 Kc. 2000 uv/m; at 1000 Kc. 1750 uv/m; at 1400 Kc. 1500 uv/m. R-f at external antenna connection: at 600 Kc. 1000 uv; at 1000 Kc. 500 uv; at 1400 Kc. 300 uv.



ALIGNMENT DATA

With variable condenser closed, set the pointer to the Extreme left hand notch on back of dial scale backing plate.

Position of Variable	Generator Frequency	Dummy Ant.	Generator Connection (high)	Generator Connection (low)	Adjust Trimmers (in order shown)	Trimmer Function
Open	455 Kc	.05 mfd.	Mixer Grid	Float. Gnd.	A1, A2, A3, A4,	I. F.
1400 Kc	1400 Kc	50 mmfd.	Ext. Ant. Conn.	Float. Gnd.	A5, A6	Osc. Mixer
600 Kc	600 Kc	50 mmfd.	Ext. Ant. Conn.	Float. Gnd.	Check Point	

HOW TO ORDER PARTS FOR YOUR SILVERTONE RADIO

These authorized replacement parts may be ordered through any Sears Retail store or the Mail order Store which serves the territory in which you live. Prices upon application from Sears, Roebuck and Co. Parts are shipped prepaid. When ordering parts always give:

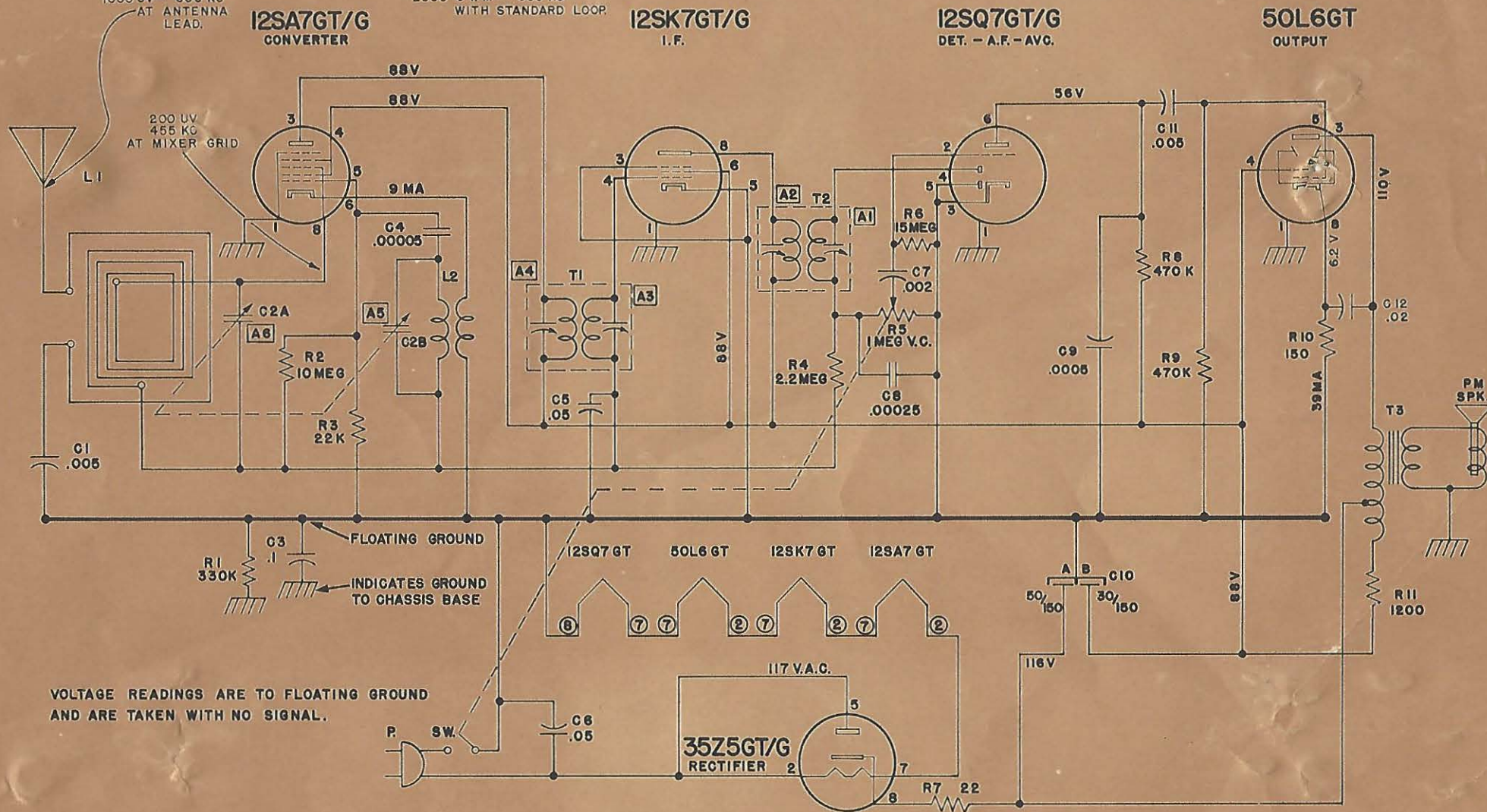
1. THE PART NUMBER (number printed on the part if different from that shown in this list) and the DESCRIPTION, for each part ordered. When no number is assigned order by description and rating.
2. The CHASSIS and CATALOG NUMBERS. The chassis number will be found on a metal plate at the rear of the chassis. This plate is pictured below. The catalog number will be found on a sticker on the back, inside or bottom of the cabinet.

PARTS LIST



Schematic Location	Part No.	Description	Schematic Location	Part No.	Description
	N22182	Bracket, Dial Scale Mounting, (Right)		N21204-4	Knob, On-Off Volume or Tuning (Brown — Cat. No. 9005)
	N22181	Bracket, Dial Scale Mounting, (Left)		N21204-3	Knob, On-Off Volume or Tuning (Ivory — Cat. No. 9006)
	N22216	Cabinet Assembly — Includes Clear Plastic Dial Scale, (Brown — Cat. No. 9005)		N22169	Leaflet, Instruction
	N22135-1	Cabinet, (Brown — Cat. No. 9005)		N20138	Line Cord with Plug
	N22166	Scale, Dial, Clear Plastic	L1	N21245-1	Loop Antenna Assembly
	N22217	Cabinet Assembly — Includes Clear Plastic Dial Scale, (Ivory — Cat. No. 9006)		N22180	Plate, Dial Scale Backing
	N22135-2	Cabinet, (Ivory — Cat. No. 9006)		N22185-1	Pointer, Dial
	N22166	Scale, Dial, Clear Plastic		N22184	Rail, Pointer Slide
	N22210-1	Coil, Oscillator	R1		Resistor, 330,000 ohms, ¼ watt
C1, C11		Condenser, .005 mfd., 400 volts	R2		Resistor, 10 megohm, ¼ watt
C2A, C2B	N21252	Condenser, Variable	R3		Resistor, 22,000 ohms, ¼ watt
C3		Condenser, .1 mfd., 400 volts	R4		Resistor, 2.2 megohm, ¼ watt
C4		Condenser, .00005 mfd., 500 Volts, mica	R5	N22192	Resistor, Volume Control and On-Off switch, 1 megohm
C5		Condenser, .05 mfd., 200 Volts	R6		Resistor, 15 megohm, ¼ watt
C6		Condenser, .05 mfd., 400 volts	R7		Resistor, 22 ohms, ¼ watt
C7		Condenser, .002 mfd., 400 Volt	R8, R9		Resistor, 470,000 ohms, ¼ watt
C8		Condenser, .00025 mfd., 500 volts, mica	R10		Resistor, 150 ohms, ¼ watt
C9		Condenser, .0005 mfd., 500 volts, mica	R11		Resistor, 1200 ohms, 1 watt
C10A, C10B	N22232	Condenser, Electrolytic, 50-30 mfd., 150 volts	Spk.	N21243	Shaft, Tuning
C12		Condenser, .02mfd., 400 volts	T1	N22191	Speaker, 4" P. M.
	N19132	Cord, Dial Drive	T2	N22189-1	Transformer, 1st I. F.
			T3	N22190-1	Transformer, 2nd I. F.
				N22193-1	Transformer, Output

APPROX. INPUT REQUIRED FOR .5 WATT OUTPUT (1.26 VOLT)
 300 UV—1400 KC 1500 U V/M—1400 KC
 500 UV—1000 KC 1750 U V/M—1000 KC
 1000 UV—600 KC 2000 U V/M—600 KC
 AT ANTENNA LEAD, WITH STANDARD LOOP.



VOLTAGE READINGS ARE TO FLOATING GROUND
 AND ARE TAKEN WITH NO SIGNAL.

NOTE 1:
 PART NO. N22165 APPEARS ON
 THIS PART FOR CHASSIS 132.689.