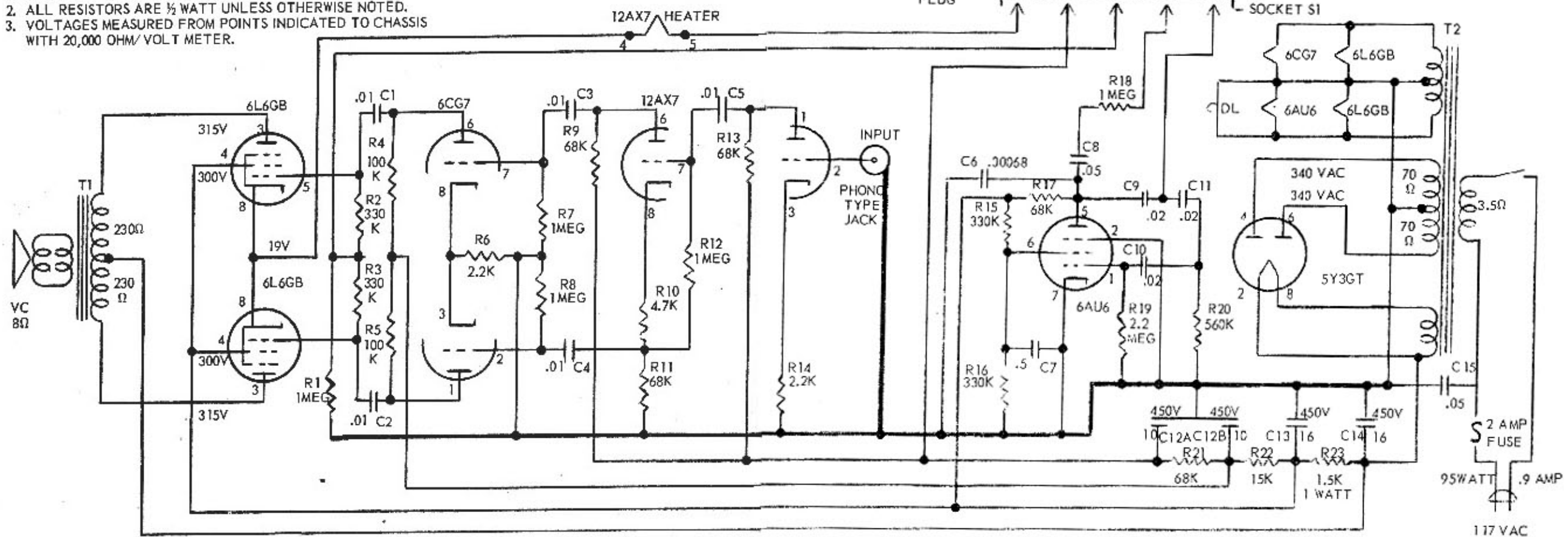


- NOTES:**
1. VALUES OF CAPACITORS IN MFD.
  2. ALL RESISTORS ARE 1/2 WATT UNLESS OTHERWISE NOTED.
  3. VOLTAGES MEASURED FROM POINTS INDICATED TO CHASSIS WITH 20,000 OHM/VOLT METER.



# OWNER'S MANUAL

## SERVICE DATA and REPAIR PARTS LIST for

# *Silvertone*

### MUSICAL INSTRUMENT AMPLIFIER

### MODEL NO. 1433

#### GUARANTEE

The Silvertone Amplifier when installed and operated in accordance with our instructions is guaranteed to give satisfactory service and to perform the specific functions for which it is designed. We will repair or replace free of charge for a period of ninety (90) days from date of sale, any part or portion of the amplifier which proves to be defective.

There will be no charge for service labor if the amplifier is brought to the store, service department address or sent to the nearest Mail Order House within the ninety (90) day guarantee period.

Silvertone tubes are guaranteed for one (1) full year. We will replace any defective tube returned within one (1) year from date of sale to the nearest Sears store or Mail Order House. There will be a service labor charge after the ninety (90) day free service period for any service on the amplifier including the replacement of defective tubes.

This guarantee does not include service necessitated by damage due to misuse, abuse, improper line voltage, fire, flood, lightning or other acts of God.

SEARS, ROEBUCK and CO., U.S.A.  
and SIMPSONS-SEARS LIMITED

KEEP THIS BOOKLET. IT CONTAINS VALUABLE SERVICE INFORMATION

# SILVERTONE

## ELECTRIC MUSICAL INSTRUMENT AMPLIFIER

### OPERATING INSTRUCTIONS

**POWER SUPPLY . . . CAUTION:** This amplifier is designed for operation from 105-125 volt, 60 cycle A. C. Never connect to a power supply having a different voltage or frequency. Insert power cord plug into any convenient outlet. Push handle of toggle switch, located on lower or main chassis, to up position. The pilot light will become illuminated. Allow 60 seconds to warm up.

**INPUTS . . .** One channel, with its own volume, bass and treble controls, provides three receptacles (jacks) to accommodate up to three instruments. Another channel, with its own volume and tone control, provides one receptacle to accommodate a microphone.

**VOLUME CONTROL . . .** Turn volume control up to position giving desired loudness. It is usually best to keep this control up no higher than actually needed. If the pickup on your instrument is provided with its own volume control it should be kept at or near maximum.

**TONE CONTROL . . .** Two tone controls are provided for the section labeled "instruments", one for bass and one for treble. A separate tone control is provided for the section labeled "microphone". Adjust these controls to achieve the proper balance for your instrument and microphone, or for any special effect you may desire.

**TREMOLO . . .** Two controls provide an effect similar to the "Vox Humana" stop on an organ. Adjust to any speed and intensity. A remote control foot switch for the tremolo is packed with this amplifier. When you wish to use the foot switch insert the plug into the receptacle provided on the control panel of the amplifier. The foot operated switch will turn the tremolo on or off at each successive operation. Do not keep the foot switch pressed down. A moderate touch of the toe is sufficient.

### NORMAL CARE AND MAINTENANCE

**TUBES . . .** Check tubes once a year, or more frequently if amplifier is subject to constant or severe use. When replacing tubes take care to put them in the correct sockets and see that the base pins are fully inserted.

**FUSE . . .** A protective safety fuse is located on the main chassis. It may be removed for examination or replacement, after first disconnecting the amplifier from the power supply. Blowing out a fuse may be a warning signal of trouble in the amplifier, and a careful checkup should be made if this happens. Use only a 2 ampere type 3AG for replacement.

**HUM . . .** Local conditions affecting your power supply may cause a slight hum in the amplifier. The hum may be eliminated by withdrawing the power cord plug from the electric outlet and inserting it again with the position of the prongs reversed.

**FEEDBACK . . .** Do not use an instrument or microphone too close to the amplifier. If too close, a loud tone or howl in the amplifier may be caused by the accoustical effect of vibrations from the loudspeaker reflecting back into the instrument or microphone. It is preferable to have the amplifier well to the right or left of your playing or singing position.

**MUSICAL INSTRUMENT AMPLIFIER**

**HOW TO ORDER PARTS:**

**WHERE TO PLACE ORDER:**

Replacement parts may be ordered through any Sears, Roebuck and Co. U.S.A., or in Canada, Simpsons-Sears Limited Retail or Mail Order Store. Prices available upon application.

**ORDER MUST STATE:**

1. The Part Number
2. The Part Description
3. The Chassis Number
4. The Model Number

**USED IN  
MODEL  
1433**

**LOCATION OF CHASSIS AND MODEL NUMBERS:**

The chassis number will be found on a metal plate attached to the chassis.  
The model number will be found on the control panel.

**CHASSIS PARTS**

**CABINET PARTS**

Schematic Location	Part No.	Description	Schematic Location	Part No.	Description	Part No.	Description
<b>CAPACITORS</b>			<b>RESISTORS</b>			1433C	Cabinet and Back
C1, C2, C3, C4, C5	20-016	Tubular, .01 mfd., 600v.	(All resistors 1/2 watt unless otherwise noted)			128PBL	Leather Handle
C6	20-680	Ceramic, .00068 mfd.	R1, R7, R8, R12, R18, R27, R28	18-10502	1 megohm, 20%	88B	Handle Hardware
C7	20-502	Tubular, .5 mfd., 200v.	R2, R3, R15, R16, R44, R45	18-33402	330K ohm, 20%	V15M	Speaker, 15 inch, 8Ω voice coil
C8, C15	20-056	Tubular, .05 mfd., 600v.	R4, R5, R30, R31, R41	18-10402	100K ohm, 20%	1433M	Owner's Manual
C9, C10, C11, C17, C20	20-026	Tubular, .02 mfd., 600v.	R6, R14	18-22202	2.2K ohm, 20%		
C12A-C12B	25-1010	Electrolytic, 10-10mfd., 450v.	R9, R11, R13, R17, R21, R24, R25, R26, R48	18-68302	68K ohm, 20%		
C13, C14	25-16	Electrolytic, 16mfd., 450v.	R10	18-47201	4.7K ohm, 10%		
C18, C19, C21, C22	20-200	Ceramic, .002 mfd.	R22	18-15301	15K ohm, 10%		
C16	25-1025	Electrolytic, 10 mfd., 25v.	R23	18-15212	1.5K ohm, 10%, 1w		
C24	20-150	Disc, .0015 mfd.	R19	18-22502	2.2 megohm, 20%		
C26	20-600	Disc, .006 mfd.	R20	18-56402	560K ohm, 10%		
<b>MISCELLANEOUS PARTS</b>			R29	18-15202	1.5K ohm, 20%		
T1	096	Output Transformer	R32, R33, R36, R37	18-22402	220K ohm, 20%		
T2	13978	Power Transformer	R34, R35	22-10513	1 megohm, tone		
	68	Fuse Holder	R39, R42, R43, R46, R47	22-10512	1 megohm, volume		
	2019	"On-Off" Switch					
P1	50-13	Plug, Phono. Type					
J1	50-6	Jack, Phono. Type					
P2	8-16	Plug, Octal					
S1	8-19	Socket, Octal					
	3800	Control Knob					

**INFORMATION FOR SEARS TECHNICIAN**

**FILING INSTRUCTIONS:** File this page in numerical order in Section A of the Division 57 Radio Technical Manual Gray Binder Vol. 1. For current selling prices, availability and ordering information refer to Division 57 Authorized Price List 185.00.

**SEARS, ROEBUCK and CO. U.S.A. and SIMPSON SEARS LIMITED**