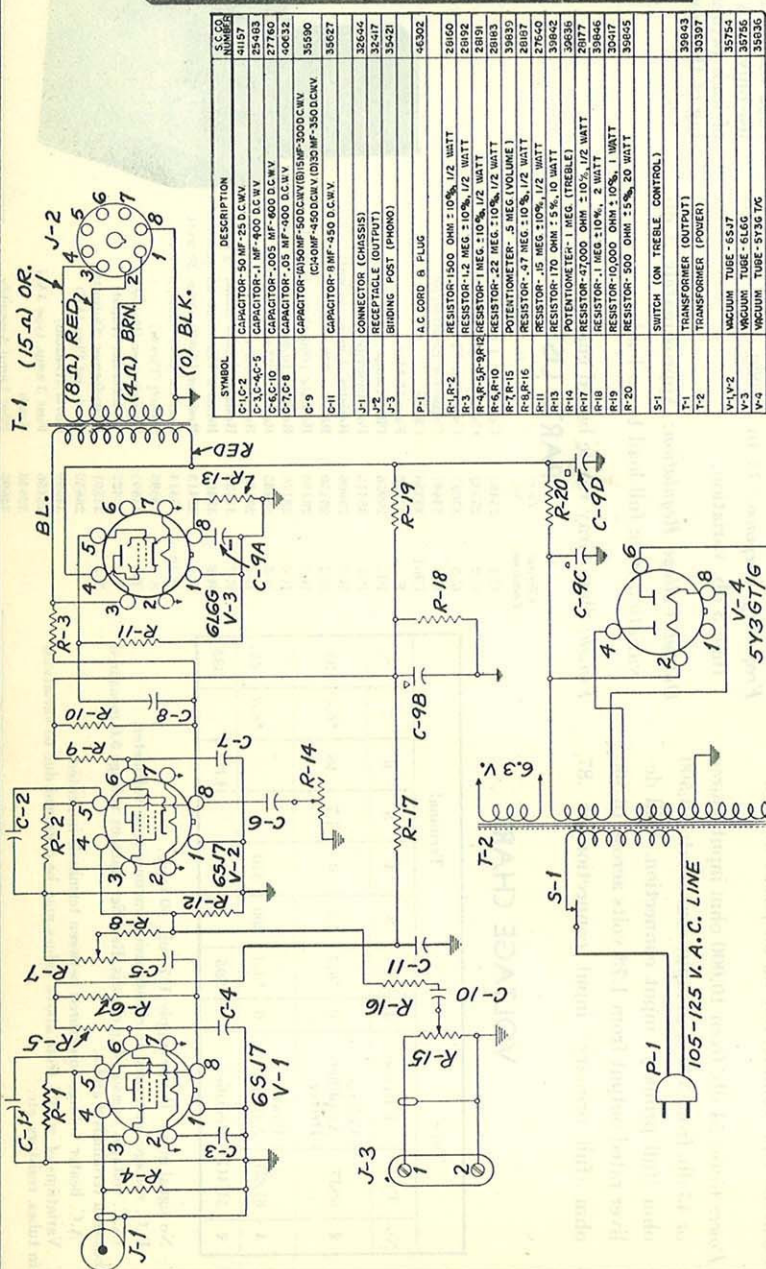
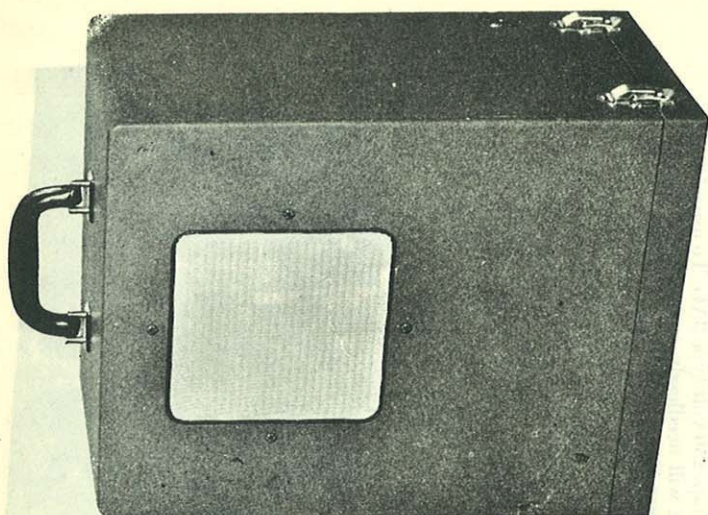


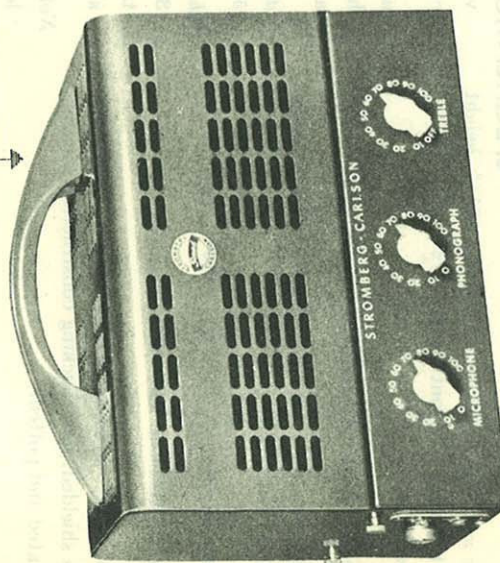


SYMBOL	DESCRIPTION	S.C. NO.
C-1	CONDENSATOR-50 MF-25 V.D.C.W.	41197
C-2	CONDENSATOR-1 MF-400 D.C.W.	25403
C-3	CONDENSATOR-500 MF-400 D.C.W.	27760
C-4	CONDENSATOR-100 MF-500 D.C.W.	40632
C-5	CONDENSATOR-100 MF-500 D.C.W.	35590
C-6	CONDENSATOR-100 MF-500 D.C.W.	35590
C-7	CONDENSATOR-100 MF-500 D.C.W.	35590
C-8	CONDENSATOR-100 MF-500 D.C.W.	35590
C-9	CONDENSATOR-100 MF-500 D.C.W.	35590
C-10	CONDENSATOR-100 MF-500 D.C.W.	35590
J-1	CONNECTOR (CHASSIS)	32642
J-2	RECEPTACLE (OUTPUT)	32417
J-3	SHIELDING POST (PHONO)	35421
P-1	A.C. CORD B. PLUG	46302
R-1	RESISTOR-1500 OHM $\pm 10\%$ 1/2 WATT	20160
R-2	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-3	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-4	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-5	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-6	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-7	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-8	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-9	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-10	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-11	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-12	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-13	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-14	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-15	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-16	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-17	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-18	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-19	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
R-20	RESISTOR-1.2 MEG $\pm 10\%$ 1/2 WATT	20192
S-1	SWITCH (ON TREBLE CONTROL)	30842
T-1	TRANSFORMER (OUTPUT)	30842
T-2	TRANSFORMER (POWER)	30842
V-1	VACUUM TUBE-6SJ7	35754
V-2	VACUUM TUBE-6SL6	35756
V-3	VACUUM TUBE-5Y3GT/6	35936

OUTPUT LINE MATCHING—The following chart lists the amplifier output taps provided to accommodate various speaker loads. The audio voltage present when the amplifier is delivering rated output, are also listed.

Terminals	Impedance	Output (at 6 watts)
8-1	4 ohms	4.9 volts
8-2	8 ohms	6.9 volts
8-3	15 ohms	9.5 volts

For maximum power transfer and minimum distortion, it is desirable to obtain the proper match between an amplifier and its output load. If the exact impedance is not available at the amplifier use the next lower tap (never a higher tap).



AMPLIFIER GROUND—A good building ground, such as a connection from a cold water pipe or the frame of a steel building, should be terminated under the knurled nut located on the rear of the amplifier.

STROMBERG-CARLSON CO.

MODEL AU-29

***SPECIFICATIONS**

Size With Cover: 11" width; 6" depth; 9½" height. Allow 1" front for knobs and 2" back and side for connectors.

Weight: Net 8 lbs.; packed for shipment 9¾ lbs.

Tubes Required: 2 No. 6SJ7; 1 No. 6L6G; 1 No. 5Y3G. Order Tube Kit TK-29.

Power Supply: 105-125 volts, 50-60 cycles.

Power Consumed: 75 watts, maximum, at 117 volts.

Inputs: One microphone; one phonograph; both high impedance.

Controls: One microphone; one phonograph; one treble attenuator and on-off switch.

Power Output: 6 watts. Less than 5% total harmonic content measured at 400 cycles with power supply of 117 volts.

Power Gain: 103 db. from microphone input; 61 db. from phonograph input. Both based on 50,000 ohms input source impedance.

Output Impedance Taps: 4, 8, and 15 ohms.

Frequency Response: 75 to 8500 c.p.s. with less than 3 db. variation.

Noise Level: 50 db. below rated output.

Finish: Glacier Gray.

*Specification ratings based on actual production models.

ADDITIONAL PARTS

In addition to the components shown on the schematic, it is helpful to know the correct part number of other items that might be required to properly service this amplifier.

Part No.	Description	Part No.	Description
32643	External Microphone Connector	39836	Bottom Cover
32644	Chassis Microphone Connector	39840	Knob
32657	Speaker Line Connector	46458	Cap over Input Transformer Hole
TK-29	Tube Kit	AC-29	Top Cover Assembly

VOLTAGE CHART

Tube			Terminal							
No.	Type	Purpose	1	2	3	4	5	6	7	8
1	6SJ7	First Stage Voltage Amplifier	0	*6.3	1.0	0	1.0	30	*6.3	70
1	6SJ7	Second Stage Voltage Amplifier	0	*6.3	1.3	0	1.3	35	*6.3	95
1	6L6G	Power Output	0	*6.3	280	290	0	..	*6.3	14
1	5Y3G	Full Wave Rectifier	..	335	..	†340	..	†340	..	335

No signal input. Power supply 117 volts 60 cycles.

D.C. voltages measured to chassis using vacuum tube voltmeter.

†A.C. voltages measured to chassis. Rectifier filament voltage 5.0 measured between terminals 2 and 8.

*A.C. heater voltage measured between terminals 2 and 7.

Variations of ±10% from above values may be obtained due to manufacturing tolerance in tubes, resistors, etc.

TUBE LOCATION CHART