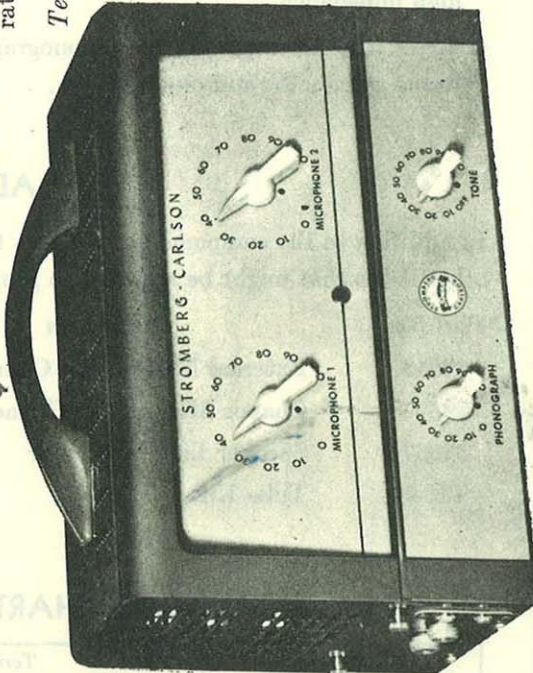
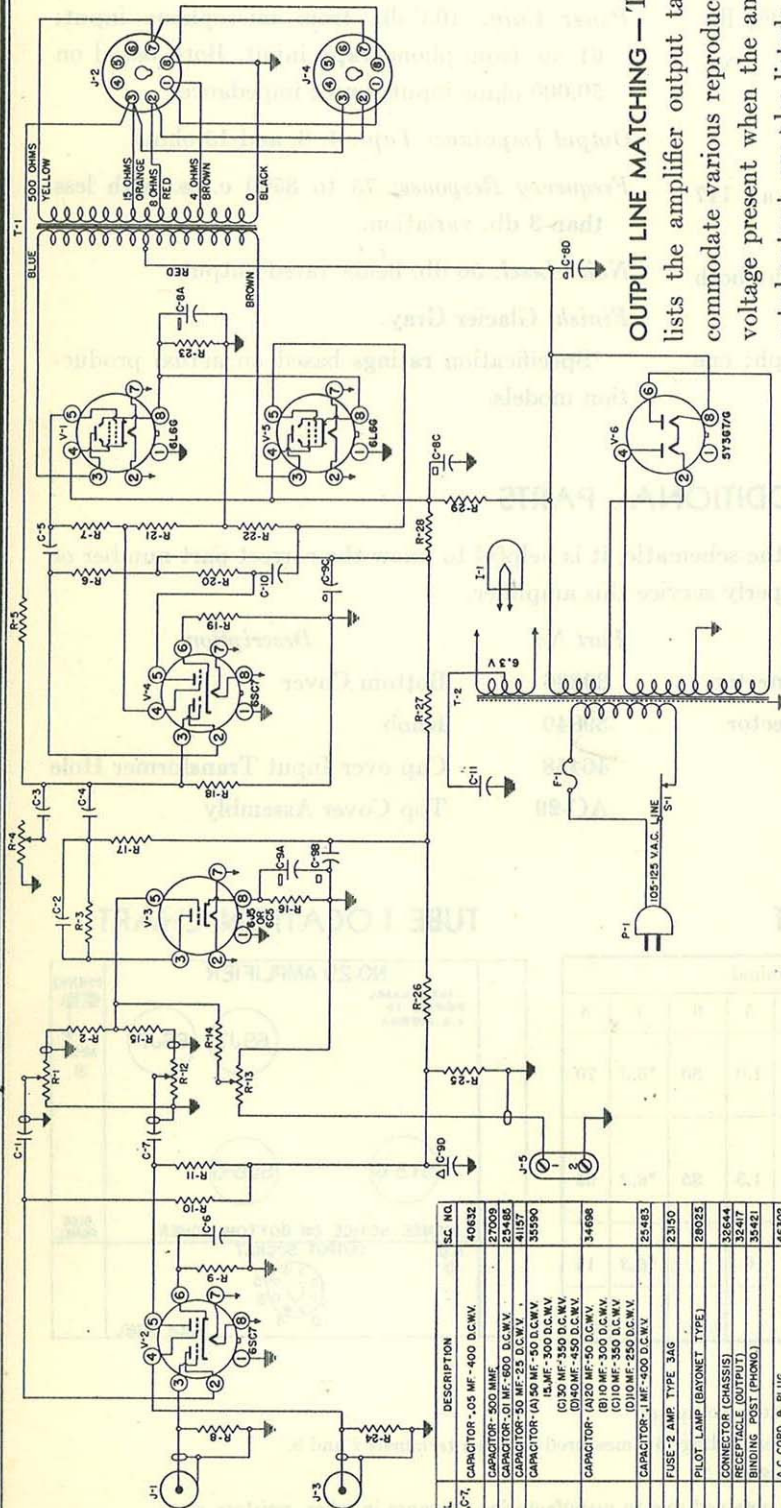


MODELS AU-32, PS-32

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

Terminal	Impedance	Output (at 15 watts)
8-1	4 ohms	8 volts
8-2	8 ohms	11 volts
8-3	16 ohms	15 volts
6-2	170 ohms	50 volts
6-1	190 ohms	53 volts
8-6	250 ohms	61 volts
7-3	350 ohms	72 volts
7-2	385 ohms	76 volts
7-1	415 ohms	79 volts
8-7	500 ohms	87 volts



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.

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VOLTAGE CHART

Tube			Terminal							
No.	Tube	Purpose	1	2	3	4	5	6	7	8
1	6SC7	First Stage Voltage Amplifier	0	70	0	0	70	0.85	*6.3	*6.3
1	6J5 or 6C5	Second Stage Voltage Amplifier	0	*6.3	33	..	0	..	*6.3	1.0
1	6SC7	Driver-Inverter	0	100	0	0	100	1.1	*6.3	*6.3
2	6L6G	Push-Pull Power Output	0	*6.3	310	280	0	..	*6.3	21
1	5Y3GT/G	Rectifier	..	320	‡	‡327	..	‡327	..	320

No signal input. Power supply 117 volt, 60 cycles.

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

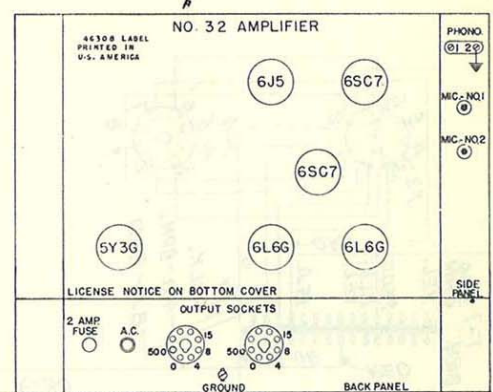
‡A.C. voltages measured to chassis. Rectifier filament voltage 5.0 measured between terminals 4 and 6.

*A.C. heater voltage measured between terminals indicated.

Variations of $\pm 10\%$ from above values may be obtained due to variations in tubes, resistors, etc.

‡Used as tie post.

TUBE LOCATION CHART

**FUSE REPLACEMENT**—When replacing a blown fuse use only a two amp. 250 volt, type 3AG.

To use a fuse of higher rating will needlessly endanger the windings of the power transformer.

SPECIFICATIONS

Size with Cover: Width 13½", depth 7½", height 10¼". Allow 1" front for knobs, 2" side and back for connectors.**Weight:** Net 19 lbs., packed for shipment 22½ lbs.**Tubes Required:** 1-6J5 or 6C5, 2-6SC7, 2-6L6G, 1-5Y3GT/G. Order Tube Kit, TK-32.**Power Supply:** 105-125 volts, 50-60 cycles.**Power Consumed:** 90 watts at 117 volts.**Inputs:** Two microphone, one phonograph, all high impedance.**Controls:** Two microphone, one phonograph, one treble attenuation control with combined on-off switch. Treble control provides up to 8 db. attenuation at 10,000 c.p.s.**Power Gain:** 105 db. from microphone input, 72 db. from phonograph input, ratings based on 50,000 ohm input source impedance.**Power Output:** 15 watts with less than 5% total harmonic content, measured at 400 cycles with a supply voltage of 117 volts.**Output Tap Impedances:** 4, 8, 15 and 500 ohms.**Other Useful Output Impedance Values:** 350, 385, and 415 ohms. Obtained by connecting between taps. (See Output Line Matching of this data sheet.)**Noise Level:** 55 db. below rated output.**Frequency Response:** 75 to 10,000 cycles with less than 3 db. variation.**Output Regulation:** Approximately 3 db. variation from full load to no load.**Finish:** Glacier Gray.

ADDITIONAL PARTS

In addition to the components shown on the schematic, it will be helpful to consult the following list of parts that might be required to properly service this amplifier.

Part No.	Description	Part No.	Description
46702	Fuse Holder	39844	Pilot Light Assembly
32643	External Microphone Connector	39847	Handle for Top Cover
32657	Speaker Line Connector	46305	Top Cover, Less Handle
32667	Knob, Large	46306	Bottom Cover
39840	Knob, Small	46310	Thumb Screw