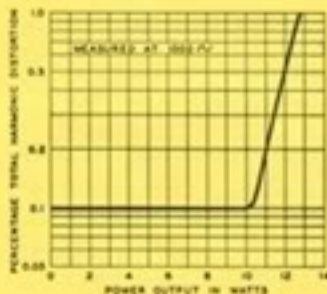
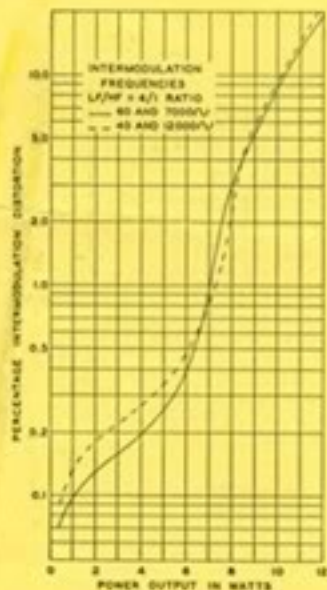
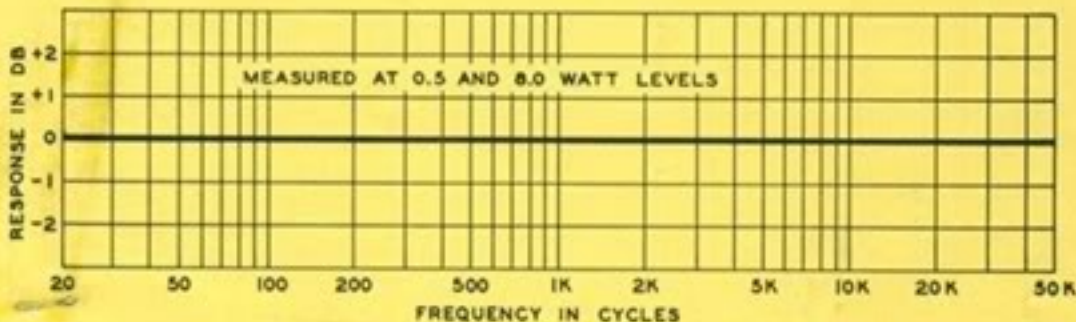


STANCOR TRANSFORMERS

in the

WILLIAMSON HIGH FIDELITY AMPLIFIER



The full potentialities of the famous Williamson Amplifier are realized with Stancor components, making available superb audio quality at low cost. The Stancor high fidelity output transformer A-8054 (\$10.86), power transformer PC8412 (\$7.95) and filter choke C-1411 (\$3.90) have a total net price of only \$22.71.

Note that the excellent frequency response curve recorded at the 8 watt level remains unchanged at the low level of 0.5 watts, a factor frequently overlooked in amplifier evaluation.

Intermodulation distortion measures only 3% at 8 watts output. Total harmonic distortion, at 1000 cycles, is extremely low and may be considered non-existent below the 10 watt power level.

A set of two completely punched and finished chassis for this amplifier is available from your distributor. Ask for Stancor Chassis WM-8, \$5.75 net.

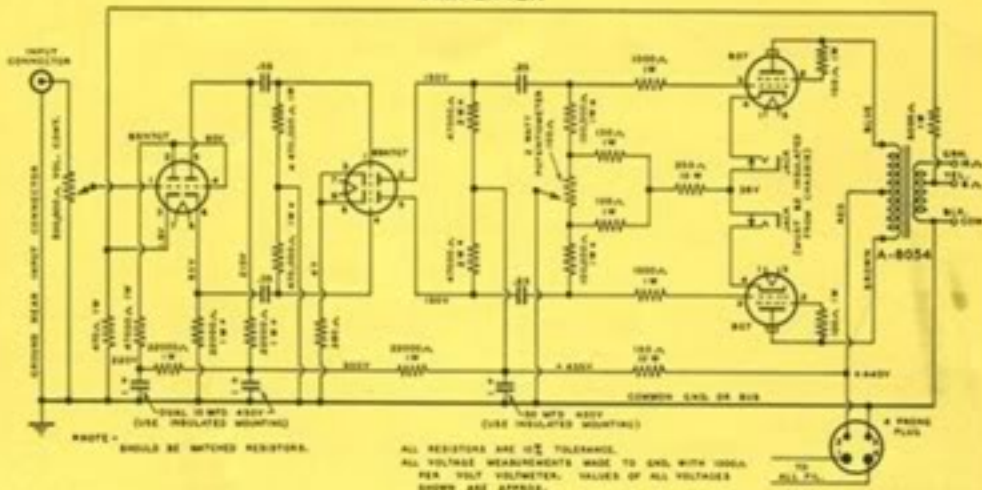


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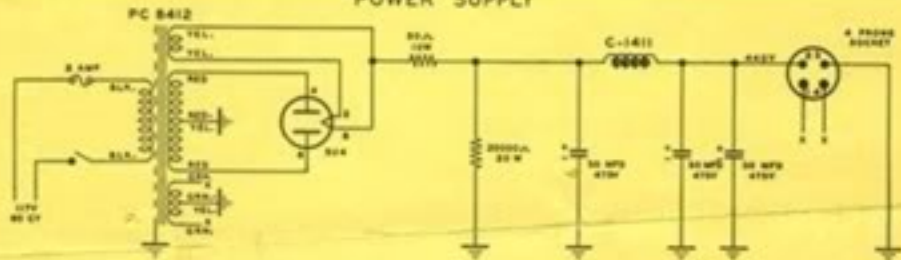
STANDARD TRANSFORMER CORPORATION

3580 Elston Avenue, Chicago 18, Illinois

AMPLIFIER



POWER SUPPLY



WARNING: THE POWER SUPPLY MUST NOT BE OPERATED WITHOUT THE FULL AMPLIFIER LOAD

PARTS LIST

AMPLIFIER

- 1 OUTPUT TRANSFORMER, STANCOR # A-8054
- 1 Chassis 9" x 7" x 2"
- 2 470,000 ohm 1 watt 10% resistor
- 2 100,000 ohm 1 watt 10% resistor
- 1 47,000 ohm 1 watt 10% resistor
- 2 47,000 ohm 2 watt 10% resistor
- 4 22,000 ohm 1 watt 10% resistor
- 1 5,000 ohm 1 watt 10% resistor
- 2 1,000 ohm 1 watt 10% resistor
- 1 470 ohm 1 watt 10% resistor
- 1 390 ohm 1 watt 10% resistor
- 4 100 ohm 1 watt 10% resistor
- 1 150 ohm 10 watt wire wound resistor
- 1 250 ohm 10 watt wire wound resistor
- 1 500,000 ohm potentiometer volume control, audio taper
- 1 100 ohm 2 watt potentiometer
- 1 30 Mfd. 475 W.V. electrolytic capacitor, Sprague # TVL-1810 or equiv. (insulated from chassis)
- 1 Dual 10 Mfd. 450 W.V. electrolytic capacitor, Sprague # TVL-2750 or equiv. (insulated from chassis)
- 2 .25 Mfd. 600 W.V. tubular capacitor, Aerovox Type # 82 Aerolite or equiv.
- 2 .05 Mfd. 600 W.V. tubular capacitor
- 1 Input connector, Amphenol # 75-PC1M
- 1 Power plug, 4 prong, Amphenol # 86-CP4
- 2 Octal tube sockets, Amphenol # 78-58
- 2 5 prong tube sockets, Amphenol # 78-55

- 2 Closed circuit jacks, Mallory # A-2 or equiv. (insulate from chassis with Mallory 203 & 212 fiber washers)
- 2 Plate caps, Millen # 56002
- 1 Output terminal strip, three terminals
- 9 Terminal tie lug strips, two lug type
- 2 Rubber Grommets to fit 3/4" diameter hole

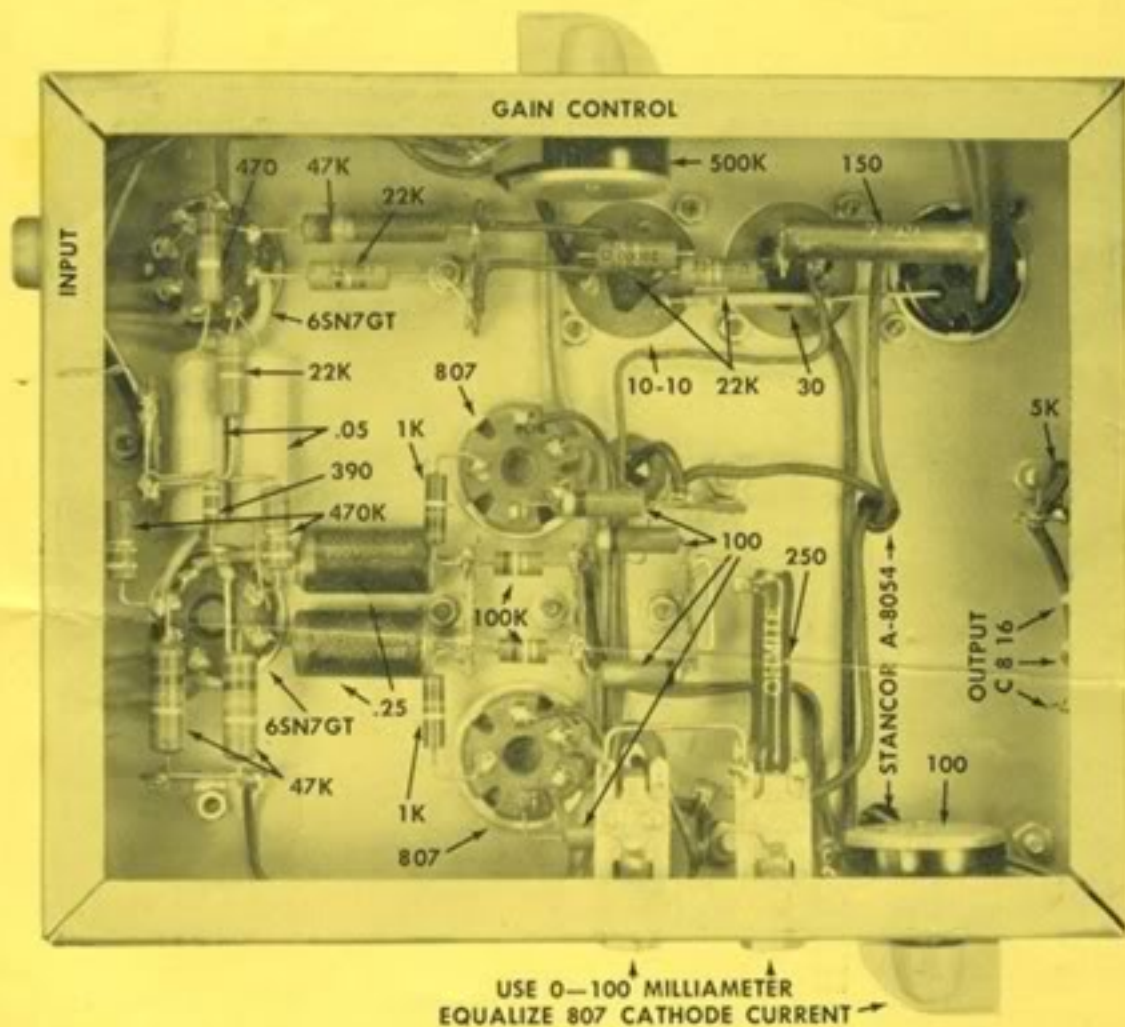
POWER SUPPLY

- 1 POWER TRANSFORMER, STANCOR # PC8412
- 1 FILTER CHOKE STANCOR # C-1411
- 1 Chassis 9" x 7" x 2"
- 3 30 Mfd. 475 W.V. electrolytic capacitor, Sprague # TVL-1810 or equiv.
- 1 20,000 ohm 20 watt wire wound resistor
- 1 50 ohm 10 watt wire wound resistor
- 1 8 prong socket, Amphenol # 78-58
- 1 4 prong socket, Amphenol # 77-MIP-4
- 1 Single pole single throw toggle switch
- 1 Fuse extractor post, Litelfuse # 341001
- 1 2 amp fuse, type 5AG
- 1 Line cord and plug
- 1 Terminal tie lug strip, 2 lug type

POWER CABLE

- 1 Female connector, Amphenol # 78-PF4
- 1 Male connector, Amphenol # 86-PM4
- 1 4-wire cable, length as required

WILLIAMSON HIGH FIDELITY AMPLIFIER



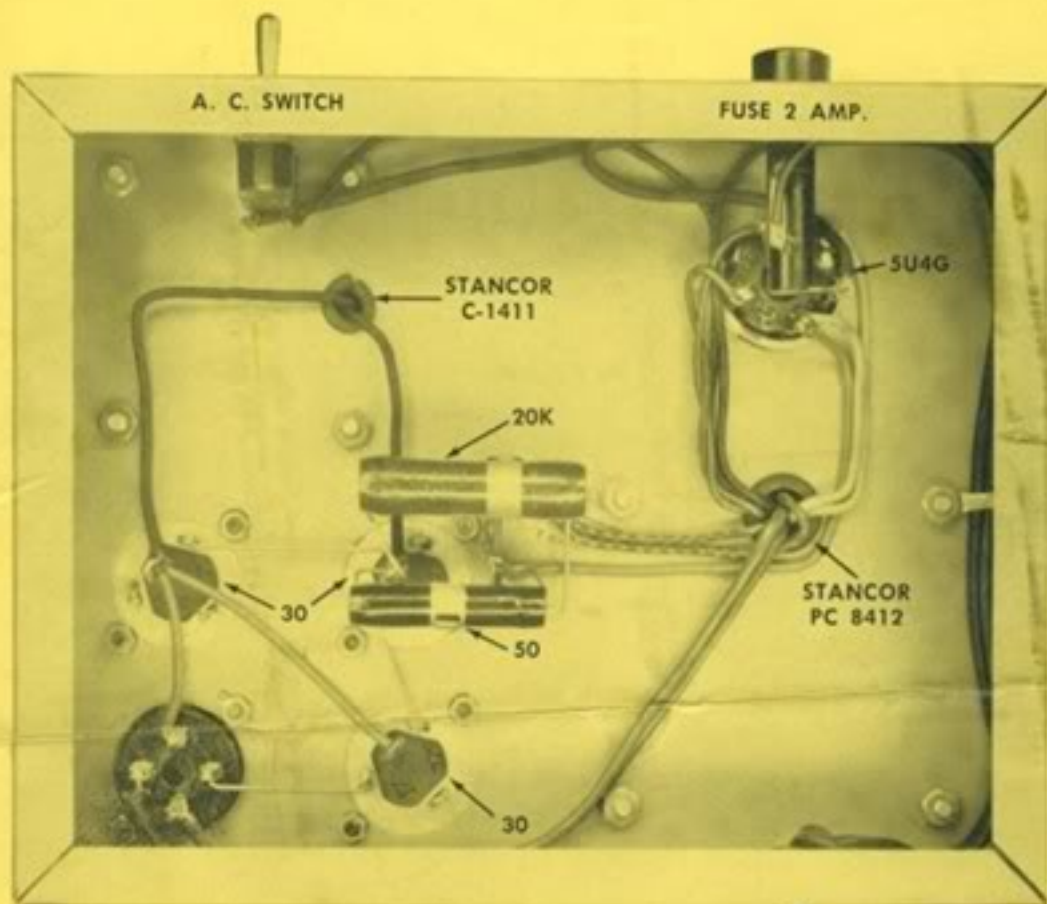
AMPLIFIER UNIT

Pre-amplifier and Tone Control Suggestions.

The basic amplifier circuit should not be revised to include tone controls or additional stages. Preamplification and tone compensation must be accomplished prior to the present input stage.

There is a circuit commercially available which incorporates these features and will accommodate several types of input. This is the Craftsman 300 Equalizer-Preamplifier. It has a self-contained power supply which simplifies installation.

For those who prefer to construct their own equipment, see AUDIO ENGINEERING, November 1951 issue for the construction of "A Simple Preamplifier and Tone-Control Unit."



POWER SUPPLY UNIT

STANDARD TRANSFORMER CORPORATION

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