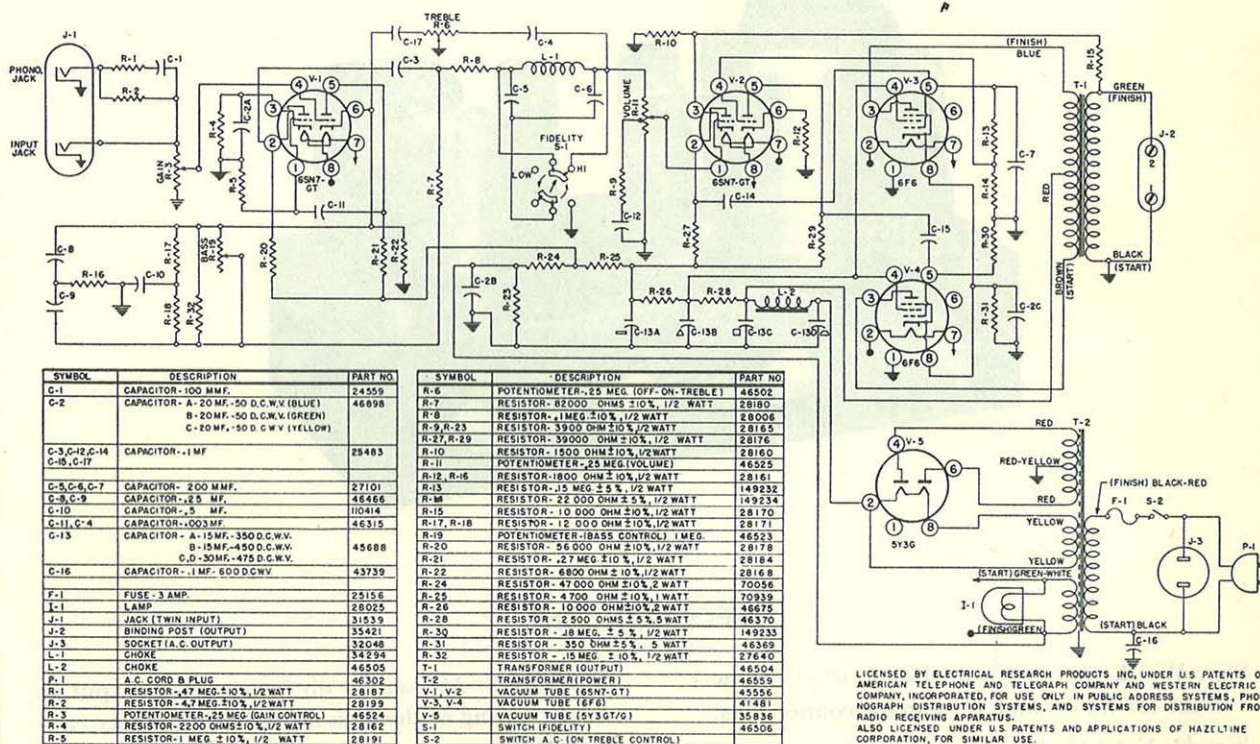


STROMBERG-CARLSON CO.

MODEL 37



VOLTAGE CHART

| Tube | | Terminal | | | | | | | |
|---------|--|----------|-----|-----|------|-----|------|----|-----|
| Type | Purpose | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 6SN7-GT | First and Second Stage Voltage Amplifier | 0 | 92 | 3.6 | 0 | 65 | 3 | 14 | 14 |
| 6SN7-GT | Third Stage Voltage Amplifier and Phase Inverter | 0 | 90 | 3.8 | 0 | 115 | 4.3 | 14 | 14 |
| 6F6G | Power Output | 0 | 14 | 360 | 305 | 0 | — | 14 | 24 |
| 6F6C | Power Output | | | | | | | | |
| 5Y3G | Full Wave Rectifier | — | 385 | — | *385 | — | *385 | — | 385 |

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

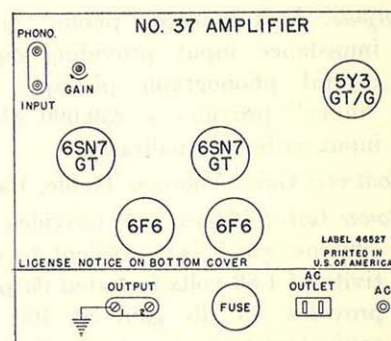
D.C. voltages measured to chassis using vacuum tube voltmeter.

*A.C. voltages measured to chassis. Rectifier filament voltage 5.0 measured between terminals 4 and 6 on 5Y3G tube.

A.C. heater voltage 6.3 measured between terminals 2 and 7 on 6F6G tubes and between 7 and 8 on 6SN7-GT tubes.

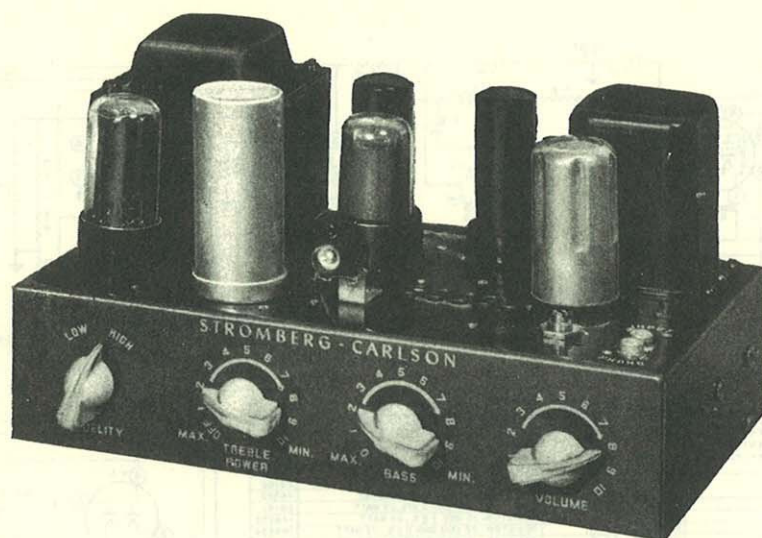
Variations of $\pm 10\%$ from above values may be obtained due to manufacturing tolerances in tubes, resistors, etc.

TUBE LOCATION CHART



MODEL 37

STROMBERG-CARLSON CO.



SPECIFICATIONS

Size: Width 10", depth 6", height $6\frac{3}{8}$ ". Allow 1" front for knobs and 1" rear for connections.

Weight: Net $12\frac{1}{2}$ lbs.; packed for shipment 15 lbs.

Tubes Required: 2-6SN7GT, 2-6F6G, 1-5Y3G.

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

Power Consumed: 85 Watts at 117 volts.

Inputs: Jack marked "phono" is a 5 megohm impedance input providing equalization for crystal phonograph pickups. Jack marked "input" provides a 250,000 ohm impedance input without equalization.

Controls: Gain, Volume, Treble, Bass, Fidelity.

Power Gain: Phono jack provides 56 db gain at 400 cps. which is equivalent to an input sensitivity of 1.83 volts for rated output. Input jack provides 78 db gain at 400 cps. which is equivalent to an input sensitivity of approximately 0.15 volts.

These gain measurements are based on an output impedance of 6 ohms and an input source impedance of 50,000 ohms.

Power Output: 10 watts with less than 5% total harmonic content, measured at 400 cps. with a supply voltage of 117 volts.

Output Impedance: 6 to 8 ohms.

Noise Level: At least 50 db below rated output at any setting of the volume, tone and fidelity controls.

Frequency Response: With volume control—maximum, treble—normal (5), bass—minimum, fidelity—high, and using "input" jack, frequency response will vary less than 3 db from 100 to 10,000 cps. Using "phono" jack, frequency response is equalized for phonograph crystal pickup. Approximately 15 db of equalization is provided from turn-over point of 250 cps.

Treble Control: Provides continuously variable control of the high frequencies up to a maximum of 12 db boost and 18 db attenuation at 10,000 cps.

Bass Control: Provides continuously variable bass-boost up to a maximum of 11 db at 90 cps.

Fidelity Control: In "low" position a low-pass filter is inserted providing a sharp cut-off starting at 4000 cps. and an attenuation of approximately 20 db at 7500 cps. In "high" position this filter is shorted out.

Output Regulation: Less than 7 db variation from full output load to no load.

Finish: Glacier Gray.