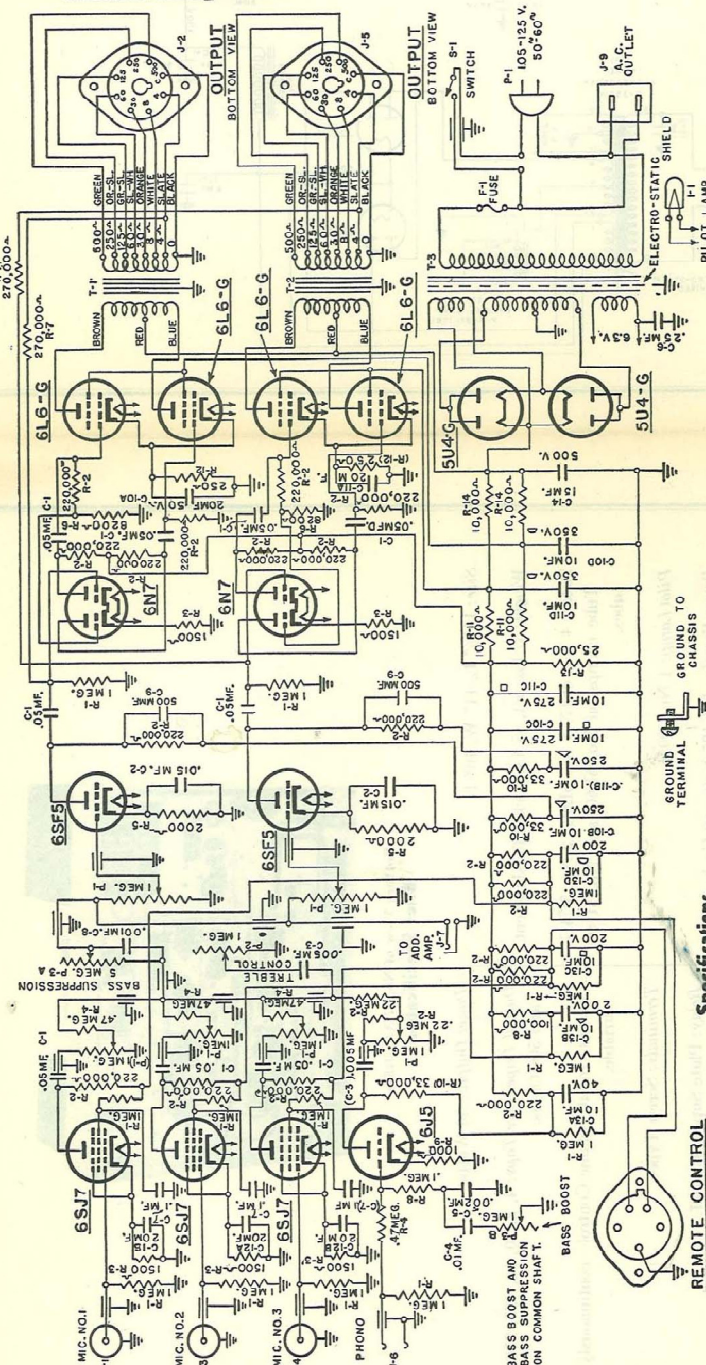


STROMBERG-CARLSON CO.

MODEL 21



Specifications

Size with Cover: Length 16 1/2", Depth 14", Height 8 1/2".

Weight: 41 lbs. net, 50 lbs. packed for shipment.

Tubes Required: 3-6SF5, 1-6SL6, 2-6SN7, 4-6SU4G.

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

Power Consumed: 275 watts maximum at 125 volts.

Audio Power: 45 watts (22 1/2 watts per channel) with not more than 5% total harmonic distortion. Measured at 400 cycle input at 117 volt line.

Inputs: Three high impedance for microphones, one high impedance for phonograph.

Power Gain: 107 db from microphone inputs, 73 db from phonograph inputs, based on 100,000 ohm input impedance; 4 ohm output impedance; measured at 400 cycles.

Accessories

Input Transformer: 35376, 30 ohms primary to 60000 ohms secondary.

Panel Assembly: 40100, for mounting amplifier on a steel cabinet.

Remote Mizer: 35584.

Hum Level (at max. gain): Combined noise and hum level approximately 50 db below full rated output.

Output Impedance: Two separate output transformers, each tapped at 4, 8, 30, 60, 125, 250, and 500 ohms.

Controls: Three microphones, one phonograph, one treble control, one bass boost (on phonograph circuit only) and suppressor, one on-off power switch, two master volume controls.

Useful Frequency Range: 40 to 10,000 cycles.

Regulation: Approximately 3 db variation from maximum load to minimum load (one speaker).

Finish: Van Dyke brown with banding, striping and numbering in white.

Connector Cord: 35224, used to connect Model 21 and Model 22 Amplifiers.

Plate Relays: 44333 for 6 volt direct current, 44334 for 12 volt direct current, 44336 for 24 volt direct current, 35568 for 110 volt direct current.

Capacitors

Circuit Location	Part Number	Description
C-1	24994	.05 mf. Tubular Oil Impreg.
C-2	28594	.015 mf. Tubular Oil Impreg.
C-3	30322	.005 mf. Tubular Oil Impreg.
C-4	31481	.01 mf. Tubular Oil Impreg.
C-5	25481	.002 mf. Tubular Oil Impreg.
C-6	29973	.25 mf. Tubular Oil Impreg.
C-7	25483	.1 mf. Tubular Paper
C-8	26727	.001 mf. Mica Fixed
C-9	27009	500 mmf. Mica Fixed
C-10 A, B, C, D	34698	20 mf. A; 10 mf. B, C, D; Electrolytic
C-11 A, B, C, D	34698	20 mf. A; 10 mf. B, C, D; Electrolytic
C-12 A, B	32641	20 mf. A, B; Electrolytic
C-13 A, B, C, D	34696	10 mf. A, B, C, D; Electrolytic
C-14	34697	15 mf. Electrolytic
C-15	27685	20 mf. Dry Electrolytic

Miscellaneous

Circuit Location	Part Number	Description
J-1, 3, 4	32643	Connector, Microphone, Female
—	32644	Connector, Microphone, Male
—	34669	Cover, Bottom
—	34730	Cover, Top
—	32677	Knob, Ivory, 2 1/4" x 3/4" x 3/8"
—	32648	Knob, Brown, 1 1/4" x 3/4" x 3/8"
—	29956	Pilot Lamp, 6.3 Volts, .25 Amp.
—	34690	Potentiometer, 1 meg.
P-1	34691	Potentiometer, 1 meg.
P-2	34692	Potentiometer, 5 meg. front, 1 meg. rear
P-3 A, B	—	—

Switch and Transformer

Circuit Location	Part Number	Description
S-1	34694	Switch, 6 amp., 125 V.
T-1, 2	32553	Transformer, Output
T-3	34693	Transformer, Power