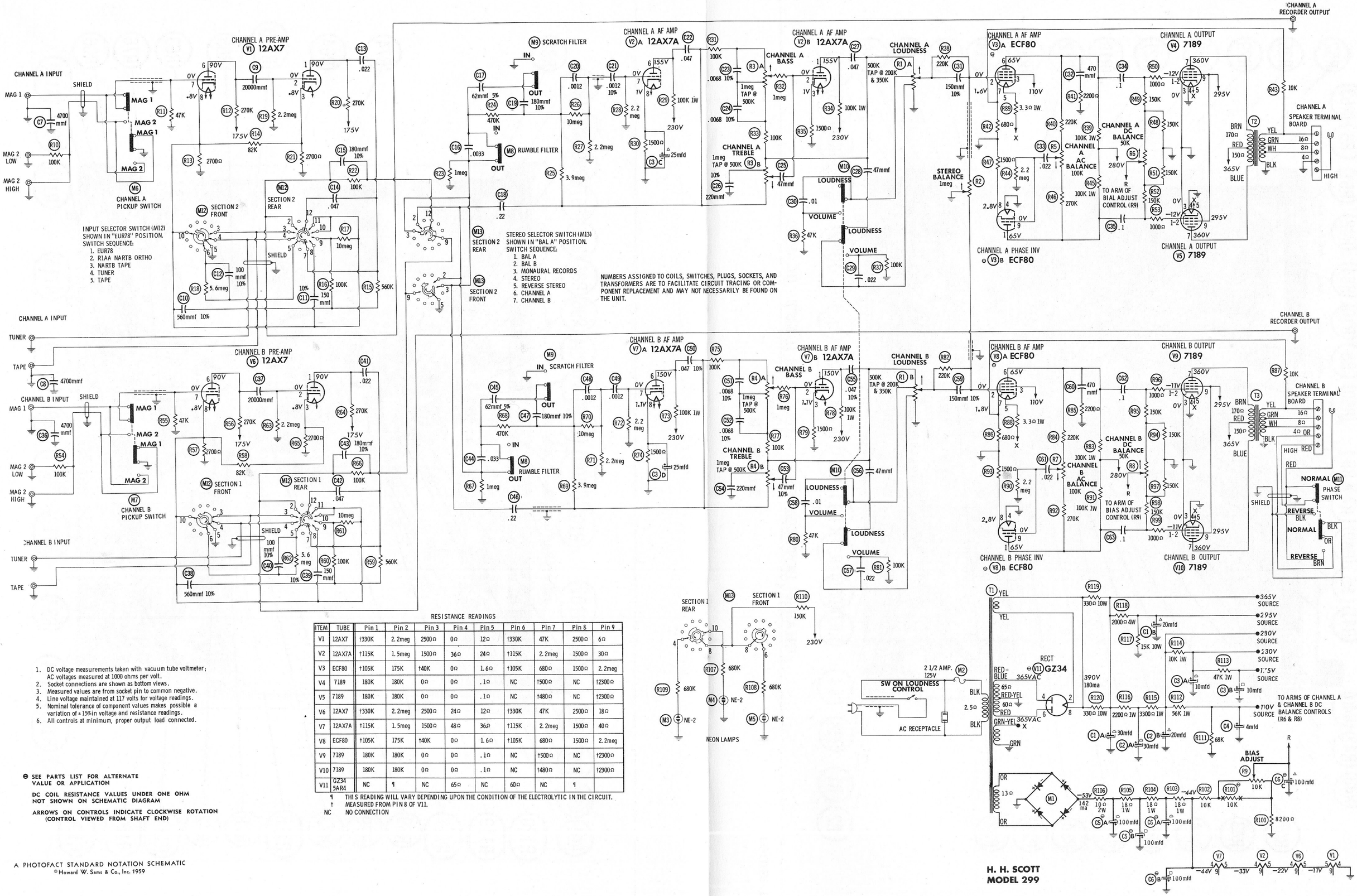


RESISTANCE READINGS

| ITEM | TUBE | Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8 | Pin 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| V1 | 12AX7 | †330K | 2.2meg | 2500Ω | 0Ω | 12Ω | †330K | 47K | 2500Ω | 6Ω |
| V2 | 12AX7A | †115K | 1.5meg | 1500Ω | 36Ω | 24Ω | †115K | 2.2meg | 1500Ω | 30Ω |
| V3 | ECF80 | †105K | 175K | †40K | 0Ω | 1.6Ω | †105K | 680Ω | 1500Ω | 2.2meg |
| V4 | 7189 | 180K | 180K | 0Ω | 0Ω | .1Ω | NC | †500Ω | NC | †2300Ω |
| V5 | 7189 | 180K | 180K | 0Ω | 0Ω | .1Ω | NC | †480Ω | NC | †2300Ω |
| V6 | 12AX7 | †330K | 2.2meg | 2500Ω | 24Ω | 12Ω | †330K | 47K | 2500Ω | 18Ω |
| V7 | 12AX7A | †115K | 1.5meg | 1500Ω | 48Ω | 36Ω | †115K | 2.2meg | 1500Ω | 40Ω |
| V8 | ECF80 | †105K | 175K | †40K | 0Ω | 1.6Ω | †105K | 680Ω | 1500Ω | 2.2meg |
| V9 | 7189 | 180K | 180K | 0Ω | 0Ω | .1Ω | NC | †500Ω | NC | †2300Ω |
| V10 | 7189 | 180K | 180K | 0Ω | 0Ω | .1Ω | NC | †480Ω | NC | †2300Ω |
| V11 | GZ34 5AR4 | NC | ¶ | NC | 65Ω | NC | 60Ω | NC | ¶ | |

¶ THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
† MEASURED FROM PIN 8 OF V11.
NC NO CONNECTION

1. DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured at 1000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance of component values makes possible a variation of ±15% in voltage and resistance readings.
6. All controls at minimum, proper output load connected.

⊖ SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM

ARROWS ON CONTROLS INDICATE CLOCKWISE ROTATION (CONTROL VIEWED FROM SHAFT END)