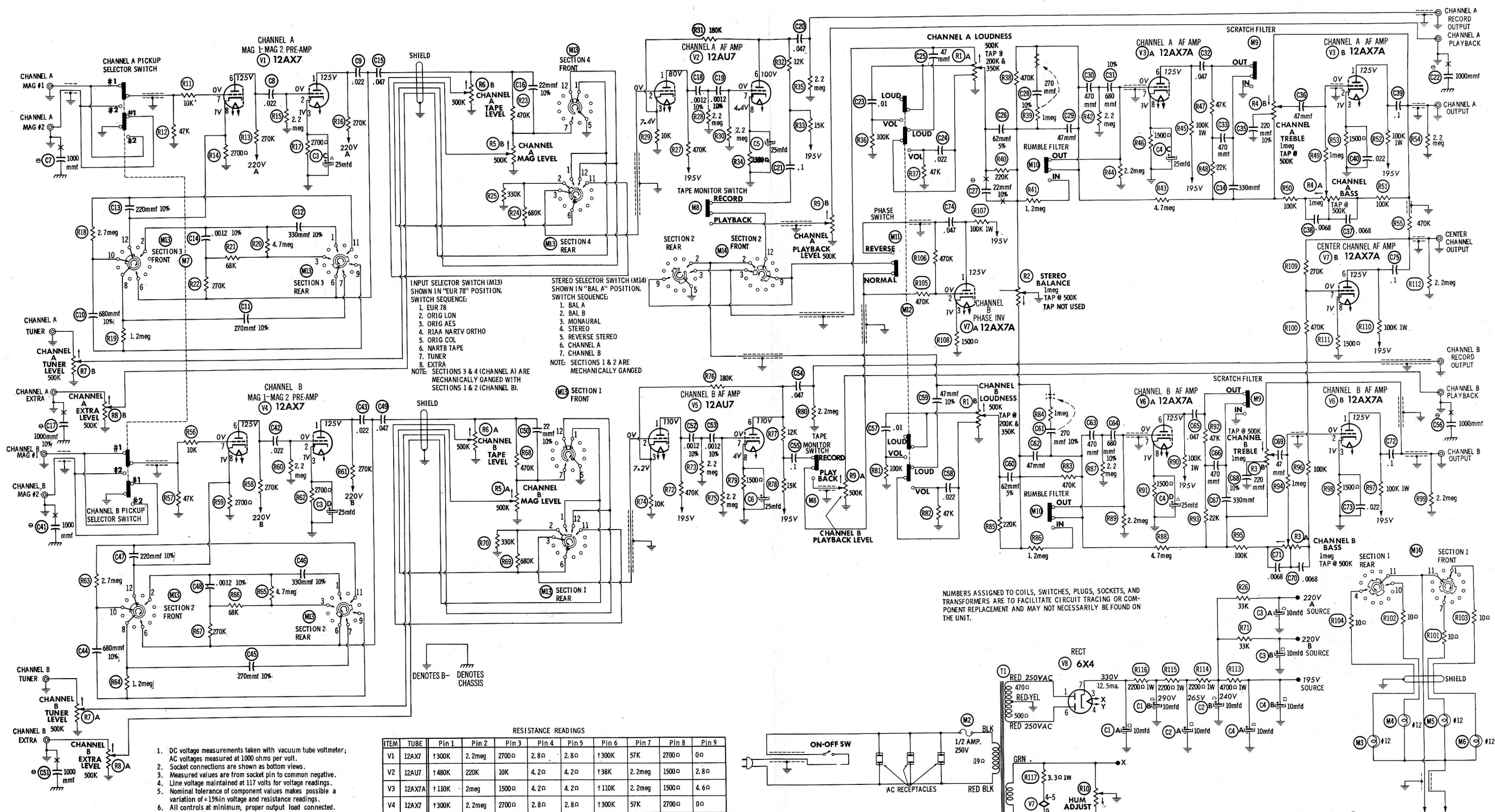




1. DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured at 1000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance of component values makes possible a variation of $\pm 15\%$ 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)

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12AX7	$\pm 300K$	2.2meg	2700 Ω	2.8 Ω	2.8 Ω	$\pm 300K$	57K	2700 Ω	0 Ω
V2	12AU7	$\pm 480K$	220K	10K	4.2 Ω	4.2 Ω	$\pm 38K$	2.2meg	1500 Ω	2.8 Ω
V3	12AX7A	$\pm 110K$	2meg	1500 Ω	4.2 Ω	4.2 Ω	$\pm 110K$	2.2meg	1500 Ω	4.6 Ω
V4	12AX7	$\pm 300K$	2.2meg	2700 Ω	2.8 Ω	2.8 Ω	$\pm 300K$	57K	2700 Ω	0 Ω
V5	12AU7	$\pm 480K$	220K	10K	4.2 Ω	4.2 Ω	$\pm 38K$	2.2meg	1500 Ω	2.8 Ω
V6	12AX7A	$\pm 110K$	2.2meg	1500 Ω	4.2 Ω	4.2 Ω	$\pm 110K$	2.2meg	1500 Ω	4.6 Ω
V7	12AX7A	$\pm 110K$	270K	1500 Ω	120 Ω	120 Ω	$\pm 110K$	700K	1500 Ω	120 Ω
V8	6X4	470 Ω	TP	120 Ω	120 Ω	TP	500 Ω	1		

THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
 5.3VAC MEASURED ACROSS FILAMENTS.
 MEASURED FROM PIN 7 OF V8.
 TP. TIE POINT

NUMBERS ASSIGNED TO COILS, SWITCHES, PLUGS, SOCKETS, AND TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT NECESSARILY BE FOUND ON THE UNIT.

H. H. SCOTT
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