

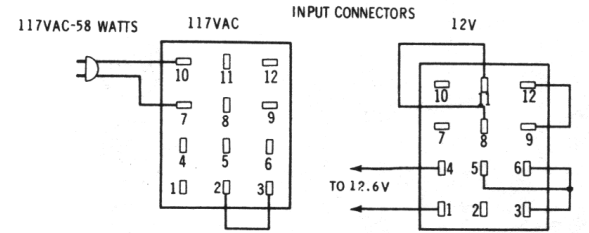
- DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured with 1000 ohm per volt voltmeter.
- Socket connections are shown as bottom views.
- Measured values are from socket pin to common ground.
- Line voltage maintained at 117 volts for voltage readings.
- Nominal tolerance on component values makes possible a variation of +15% in voltage and resistance readings.
- Volume control at maximum, no signal applied for voltage measurements.

RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12BA6	2.4meg	0Ω	FIL	FIL	+5200Ω	+39K	220Ω		
V2	6U8A	+5200Ω	3.3meg	+39K	FIL	FIL	+10K	0Ω	0Ω	47K
V3	12BA6	2.3meg	0Ω	FIL	FIL	+3200Ω	+15K	220Ω		
V4	12AT7	+220K	400K	2200Ω	FIL	FIL	80K	80K	2.1meg	NC
V5	12AX7	480K	1.1meg	7000Ω	FIL	FIL	+122K	950K	10K	NC
V6	12AX7	+242K	47K	3300Ω	FIL	FIL	+292K	0Ω	0Ω	NC
V7	12AQ5	NC	500Ω	FIL	FIL	+600Ω	+250Ω	270K		
V8	6AU8	0Ω	47K	+18K	FIL	FIL	0Ω	22K	+18K	+650Ω

ALL MEASUREMENTS MADE IN "RECEIVE" POSITION UNLESS OTHERWISE DESIGNATED.  
 ▲ MEASURED IN "TRANSMIT" POSITION.  
 † MEASURED FROM OUTPUT OF M2. NC NO CONNECTION

SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION  
 DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM  
 A PHOTOFAC STANDARD NOTATION SCHEMATIC  
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NOTICE  
 ONLY THOSE PERSONS PROPERLY LICENSED ARE PERMITTED TO MAKE REPAIRS OR ADJUSTMENTS WHICH MAY RESULT IN ILLEGAL OPERATION. (REFER TO FCC RULES & REGULATIONS PART 19, SUBPART D, SECTION 19.71).

ARKAY MODELS  
 SQ-9, SQ-9W

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.