



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)

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.

RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12A17	+11K	3.3mg	0.0	0.0	+1000.0	0.0	68.0	.1.0	
V2	12A17	+2000.0	22K	.1.0	0.0	+1000.0	1.6mg	1000.0	.1.0	
V3	6AU6	1.1mg	0.0	0.0	.1.0	+2000.0	+2000.0	0.0		
V4	6AU6	.1.0	0.0	0.0	.1.0	+3000.0	+3000.0	100.0		
V5	6AU6	100K	0.0	.1.0	0.0	+20K	+20K	100.0		
V6	6AL5	7800.0	8300.0	.1.0	0.0	640K	0.0	640K		
V7	6FG6	3.3mg	NC	0.0	0.0	.1.0	+15K	+1285K	NC	1285K
V8	6BA6	5.6mg	0.0	.1.0	0.0	+2000.0	+2000.0	68.0		
V9	6BE6	22K	.1.0	.1.0	0.0	+2000.0	+2000.0	4.4mg		
V10	6BA6	3.9mg	0.0	.1.0	0.0	+1000.0	+1000.0	68.0		
V11	6AL5	0.0	520K	.1.0	0.0	0.0	0.0	2.2mg		
V12	6FG6	3.2mg	NC	0.0	0.0	.1.0	115K	1285K	NC	1285K
V13	12AX7	1285K	100K	2200.0	0.0	25.0	1285K	470K	2700.0	12.0

RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V14	ECC83/12AX7	1115K	0.0	1200.0	25.0	25.0	1115K	0.0	1200.0	25.0
V15	ECC83/12AX7	1485K	470K	2900.0	25.0	25.0	1485K	470K	2900.0	25.0
V16	ECC83/12AX7	115K	1485K	100K	25.0	25.0	1115K	1485K	100K	25.0
V17	7189	NC	470K	40.0	25.0	25.0	NC	190.0	NC	1330.0
V18	7189	NC	470K	40.0	25.0	25.0	NC	1110.0	NC	1330.0
V19	ECC83/12AX7	1285K	1mg	2200.0	40.0	25.0	1285K	470K	2700.0	30.0
V20	7189	NC	470K	40.0	25.0	25.0	NC	190.0	NC	1330.0
V21	7189	NC	470K	40.0	25.0	25.0	NC	1110.0	NC	1330.0
V22	EZ80/6V4	17.0	NC	1.1NF	25.0	25.0	NC	17.0	NC	NC
V23	GZ34/5AR5	NC	+100K	NC	28.0	NC	26.0	NC	1.100K	

- DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured with 100 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 measurements.
- Volume control at maximum, no signal applied for voltage measurements.

