



1ST

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.

- 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.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
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RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	ECC85	†2000 Ω	1 meg	150 Ω	FIL	FIL	†17K	330K	.1 Ω	0 Ω
V2	ECH81	†34K	10 Ω = 3.3 meg	120 Ω	FIL	FIL	†1000 Ω	0 Ω = 33K	†34K	= 33K
V3	EF89	0 Ω	220K	0 Ω	FIL	FIL	NC	†2000 Ω	†69K	27K
V4	EABC80	INF	27K	INF	FIL	FIL	≈ 480K	0 Ω	10 meg	†120K
V5	EM84	2.3 meg	NC	0 Ω	FIL	FIL	†1000 Ω	†470K	NC	†470K
V6	ECC83	†23K	6.9 meg	.100K	FIL	FIL	†350K	4.7 meg	150 Ω	FIL
V7	EL84	NC	920K	80 Ω	FIL	FIL	NC	†480 Ω	NC	†1000 Ω
V8	ECC83	†350K	4.7 meg	150 Ω	FIL	FIL	†120K	10 meg	0 Ω	FIL
V9	EL84	NC	920K	80 Ω	FIL	FIL	NC	†480 Ω	NC	†1000 Ω

ALL MEASUREMENTS TAKEN IN "FM" POSITION UNLESS OTHERWISE DESIGNATED.

▲ MEASURED IN "AM" POSITION.
■ MEASURED FROM CATHODE.

† MEASURED FROM OUTPUT OF M1.
NC NO CONNECTION