

# Parts Description List • Series 51

Symbol	Description	Part No.	Symbol	Part No.	Description
C-1	Capacitor: 0.022 mfd, 20%; 400 V	C68P223M4	R-4		Resistor, Composition: 1 megohm, 10%; ½ W
C-2	Capacitor: 0.01 mfd, 20%; 400 V	C68P103M4	R-5		Resistor, Composition: 47,000 ohms, 10%; ½ W
C-3	Capacitor, Ceramic: 24 mmfd, 10%; 500 V	CC21GP240K5	R-6		Resistor, Composition: 100,000 ohms, 10%; ½ W
C-4	Capacitor: 0.0047 mfd, 10%; 400 V	C68P472K4	R-7		Potentiometer, Dual: (See R-12) 2 megohms
C-5	Capacitor: 0.02 mfd, 20%; 400 V	C68P203M4	R-8		Potentiometer, Composition: 500,000 ohms, tapped at 125,000 ohms
C-6	Capacitor, Ceramic: 1000 mmfd, 10%; 500 V	CC26GP102K5	R-9		Resistor, Composition: 220,000 ohms, 10%; ½ W
C-7	Capacitor: 0.022 mfd, 20%; 400 V	C68P223M4	R-10		Potentiometer, Composition: 1 megohm
C-8	Capacitor, Ceramic: 1000 mmfd; 500 V	CC26GP102K5	R-11		Resistor, Composition: 10,000 ohms, 10%; ½ W
C-9, C-10	Capacitor: 0.01 mfd, 20%; 400 V	C68P103M4	R-12		Potentiometer, Dual: (See R-7) 250,000 ohms
C-11	Capacitor, Electrolytic: 50 mfd; 25 V	C-556-128	R-13		Resistor, Composition: 470,000 ohms, 10%; ½ W
C-12	Capacitor: 0.0039 mfd, 10%; 200 V	C68P392K2	R-14		Resistor, Composition: 680 ohms, 10%; ½ W
C-13	Capacitor, Molded: 0.01 mfd; 600 V	C-2747	R-15, R-16		Resistor, Composition: 100,000 ohms, 10%; ½ W
C-14A, B	Capacitor, Electrolytic: 40 mfd; 450 V	C-1798	R-17, R-18		Resistor, Composition: 470,000 ohms, 10%; ½ W
C-15A, B, C	Capacitor, Electrolytic: 2 sections, 40 mfd,		R-19		Resistor, Composition: 1500 ohms, 10%; ½ W
C-16	Capacitor, Ceramic: 100 mmfd, 10%; 500 V	C-50028-1	R-20		Resistor, Wirewound: 125 ohms; 7 W
	1 section, 20 mfd; 450 V	CC21GP101K5	R-21, R-22		Resistor, Composition: 68 ohms, 10%; ½ W
I-1	Pilot Lamp	I-50099-1	R-23		Resistor, Wirewound: 2 ohms; 2 W
I-2	Lamp, Changer Compartment	I-558-117	R-24		Resistor, Composition: 2200 ohms, 10%; ½ W
J-1	Jack, Phono	J-1030	R-25		Resistor, Composition: 15,000 ohms, 10%; ½ W
J-2, 3, 4, 5	Jack, Phono	J-3143	R-26		Resistor, Composition: 27,000 ohms, 10%; ½ W
J-6	Jack, Speaker	J-531-130	R-27		Resistor, Composition: 82,000 ohms, 10%; ½ W
J-7	Receptacle, 3-pole	J-539-113	R-28		Potentiometer, Wirewound: 500 ohms
LS-1, 2,	Loudspeaker	LS-541-133	R-29		Resistor, Wirewound: 200 ohms
LS-3	Loudspeaker	LS-541-137	R-30		Resistor, Composition: 2700 ohms, 10%; 1 W
P-1	Plug, Speaker	P-531-131	R-31		Resistor, Composition: 4700 ohms, 10%; ½ W
P-2	Plug, Record Changer	P-541-134	R-32		Resistor, Composition: 22,000 ohms, 10%; ½ W
R-1	Resistor, Composition: 22 megohms, 10%; ½ W	RC20BF226K	S-1		Switch, Selector
R-2	Resistor, Composition: 100,000 ohms, 10%; ½ W	RC20BF104K	S-2		Switch, Power: Part of R-7 and R-12
R-3	Resistor, Composition: 2.2 megohms, 10%; ½ W	RC20BF225K	S-3		Switch, Automatic: Shut-off
			T-1		Transformer, Output
			T-2		Transformer, Output

## Voltage Reference Chart

### SOCKET PINS

TUBE	1	2	3	4	5	6	7	8	9
V-1 6SC7	0	120	-0.8	-0.6	120	0	6.3 AC across Pins 7 & 8		—
V-2 12AX7	225	62	64	6.3 AC to Pin 9		62	-0.3	0.3	6.3 AC to Pins 4 & 5
V-3 EL-84	0	0	11.5	6.3 AC to Pins 4 & 5		310	350	NC	310
V-4 EL-84	0	0	11.5	6.3 AC to Pins 4 & 5		310	350	NC	310
V-5 5Y3	—	375	—	350 AC		—	350 AC	—	375

NOTES: Line voltage set at 117 V, 60 cycles. Voltage readings may vary  $\pm 10\%$  under normal operating conditions. All voltages read with vacuum tube voltmeter, under no-signal condition.

Voltages read with respect to chassis and are D.C. unless otherwise specified. Band switch set at RIAA. Volume and tone controls maximum counterclockwise. Power switch on.

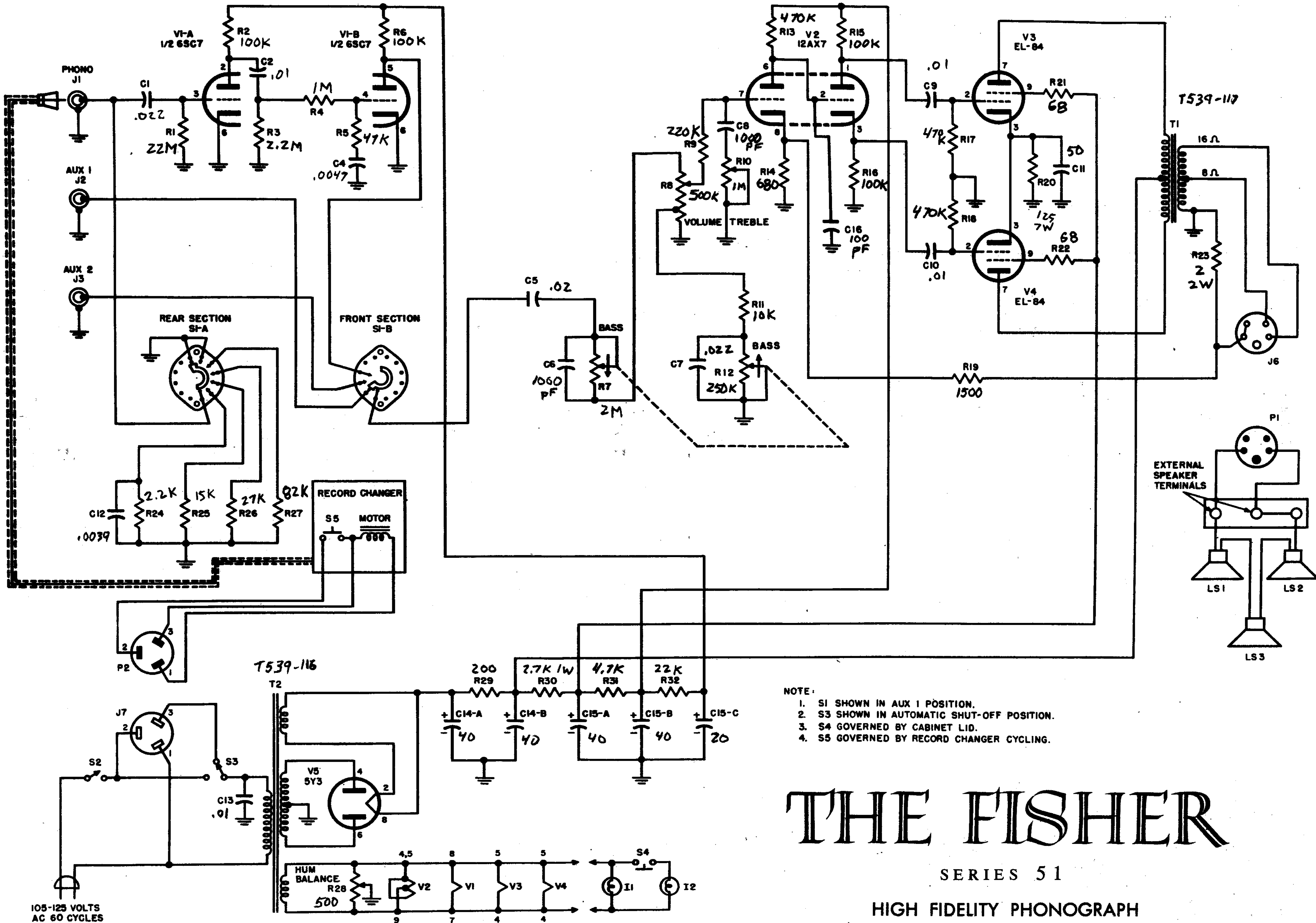
## Resistance Reference Chart

### SOCKET PINS

TUBE	1	2	3	4	5	6	7	8	9
V-1 6SC7	0	INF	22M	2.2M	INF	0	0-100*	0-100*	—
V-2 12AX7	INF	INF	100K	0-100*	0-100*	INF	220K	500	0-100*
V-3 EL-84	—	470K	125	0-100*	0-100*	INF	INF	—	INF
V-4 EL-84	—	470K	125	0-100*	0-100*	INF	INF	—	INF
V-5 5Y3	—	INF	—	100	—	100	INF	INF	—

CAUTION: Be certain to disconnect AC line cord when making these measurements. All resistance in ohms unless otherwise specified. M equals megohms. K equals kilohms.

\*Depends on setting of hum adjustment control. Measurements taken with respect to chassis.



- NOTE:
1. S1 SHOWN IN AUX 1 POSITION.
  2. S3 SHOWN IN AUTOMATIC SHUT-OFF POSITION.
  3. S4 GOVERNED BY CABINET LID.
  4. S5 GOVERNED BY RECORD CHANGER CYCLING.

# THE FISHER

SERIES 51

HIGH FIDELITY PHONOGRAPH

105-125 VOLTS  
AC 60 CYCLES