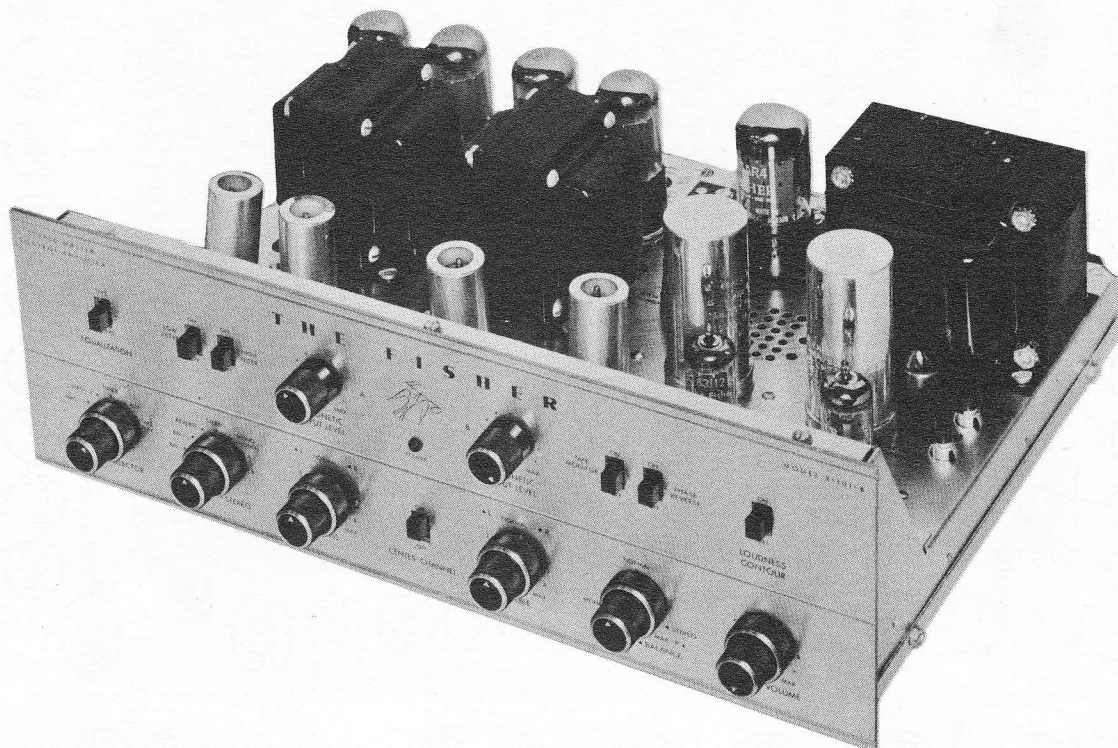


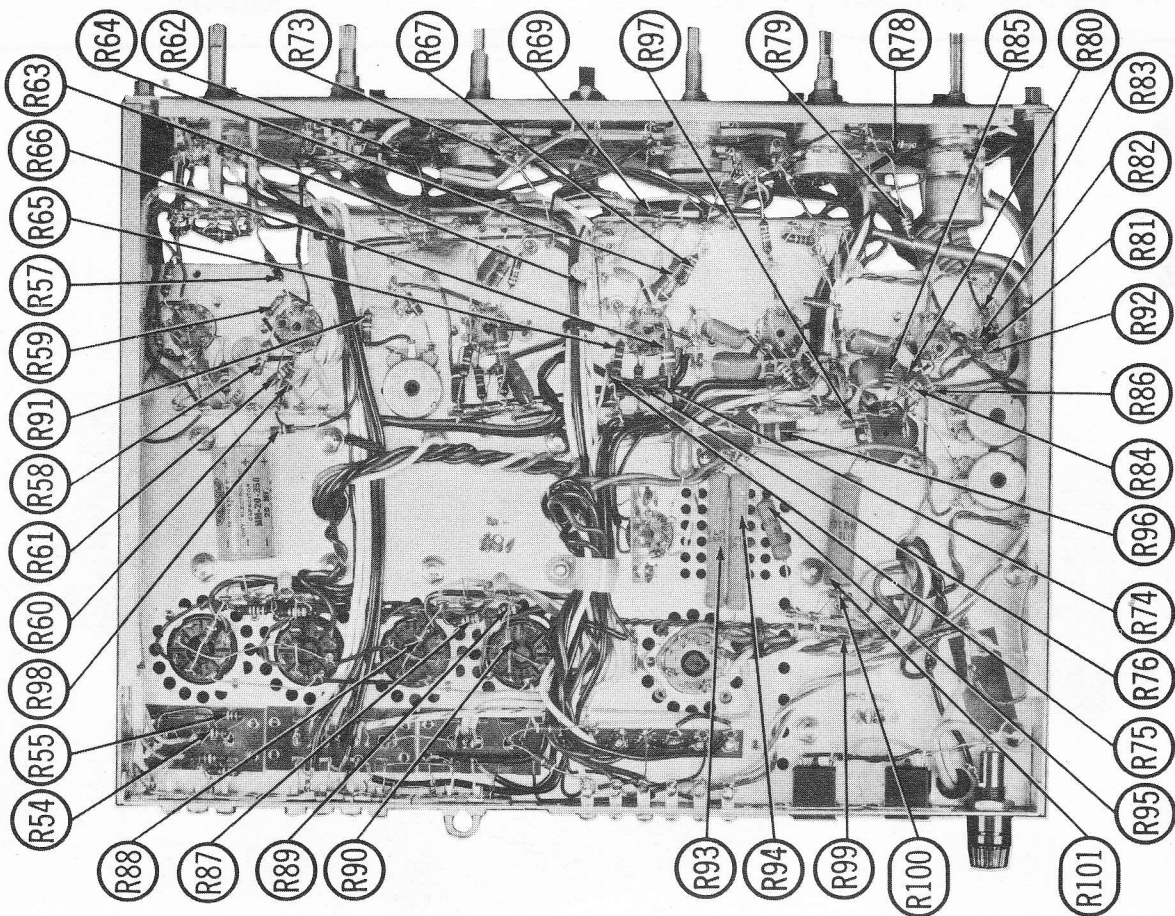
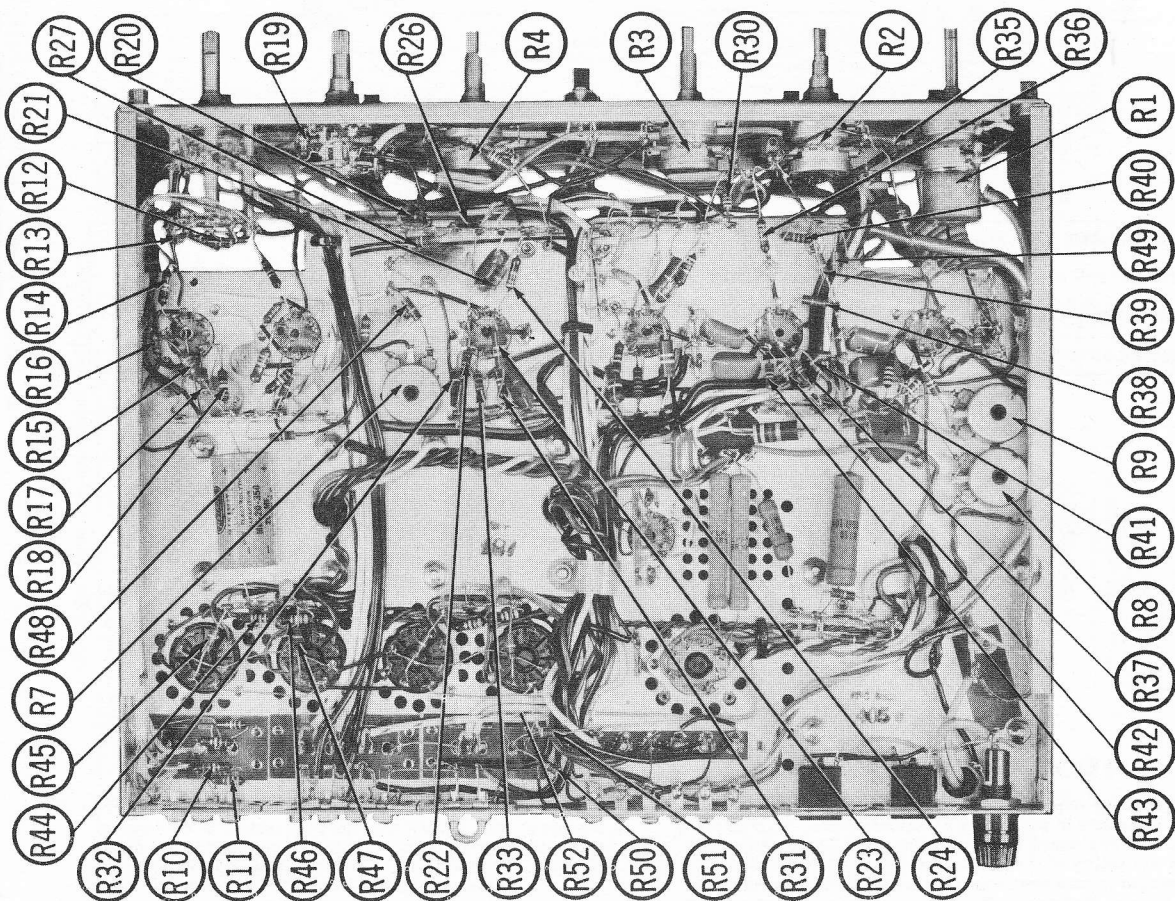
FISHER MODEL
X-101-BFISHER MODEL
X-101-B

TRADE NAME	Fisher Model X-101-B (Serial #60001 thru 69999)		
MANUFACTURER	Fisher Radio Corp., 21-21 44th Drive, Long Island City 1, N. Y.		
TYPE SET	AC Operated 11 Tube Stereo Amplifier		
POWER SUPPLY	105 - 120 Volts AC, 50-60 Cycles	RATING	155 Watts, 1.45 Amp. @117 Volts AC

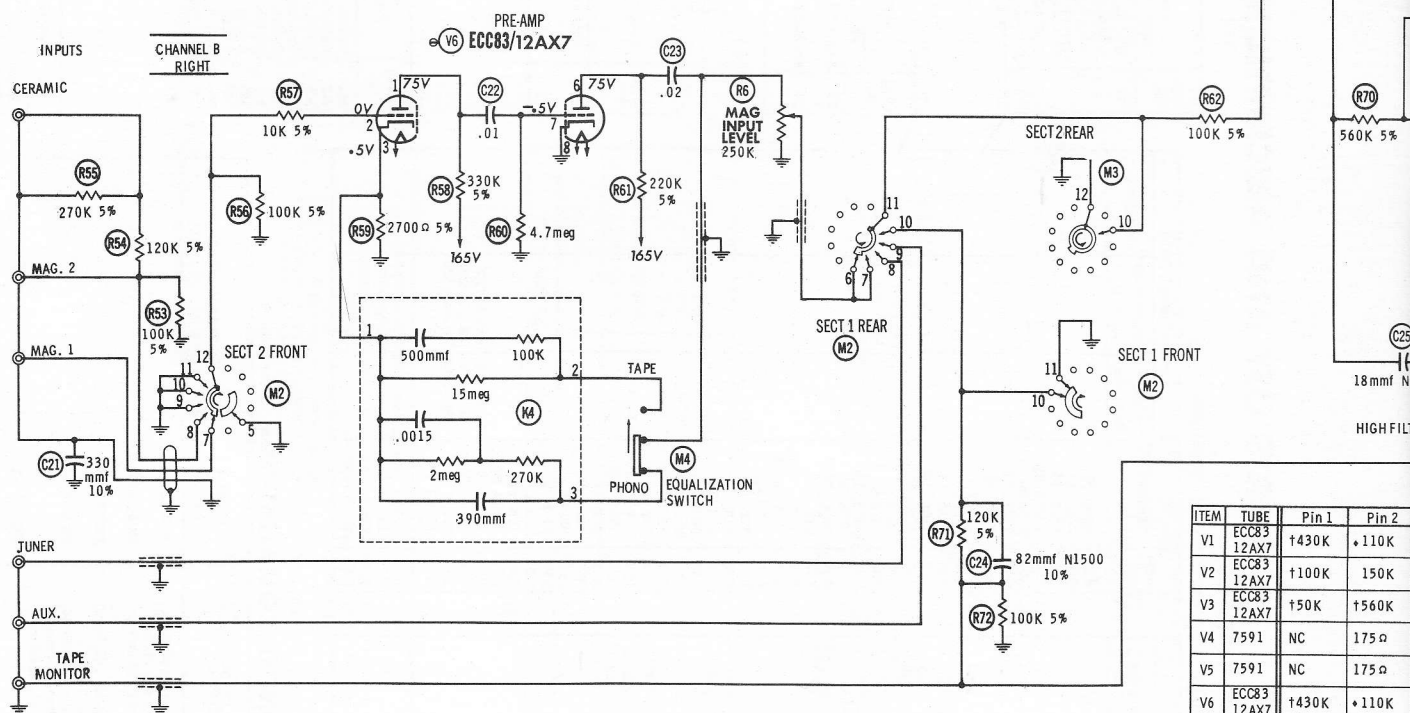
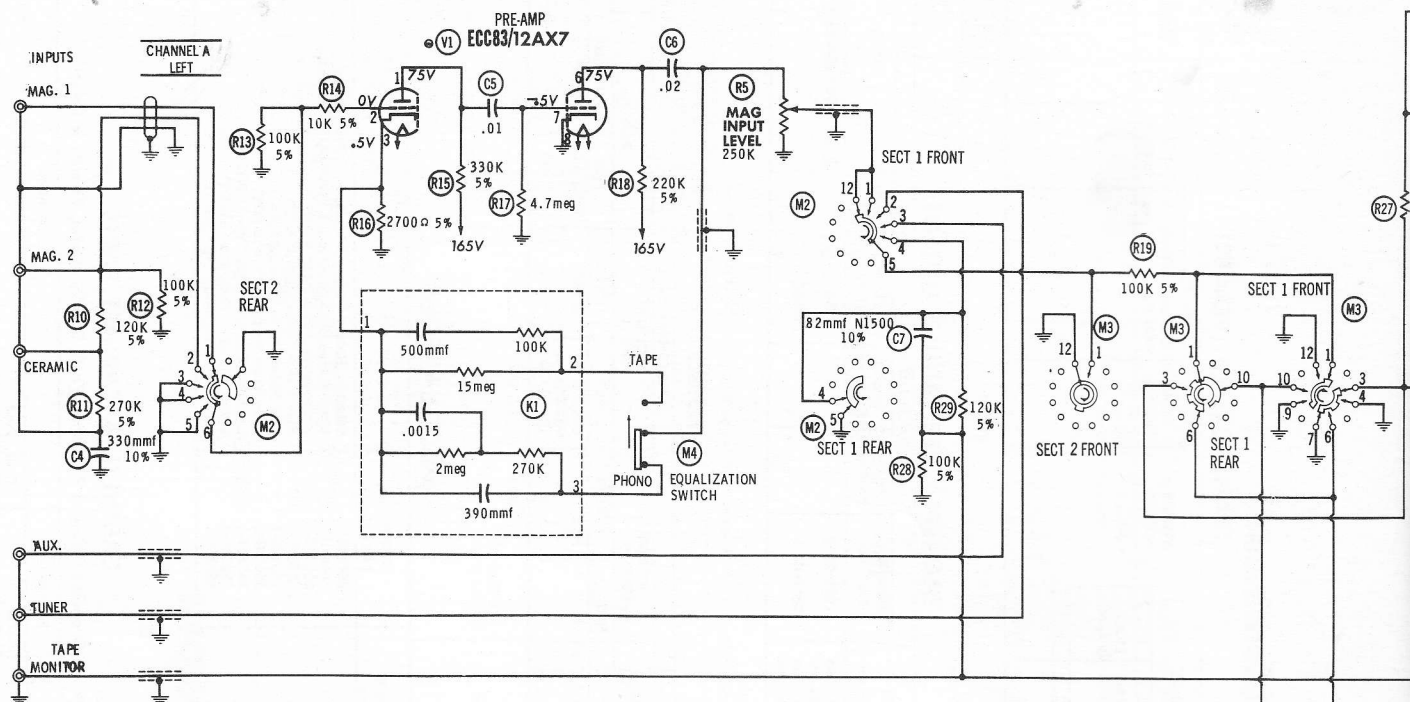
HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of LV373

the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1962 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America



CHASSIS BOTTOM VIEW -- RESISTOR IDENT.



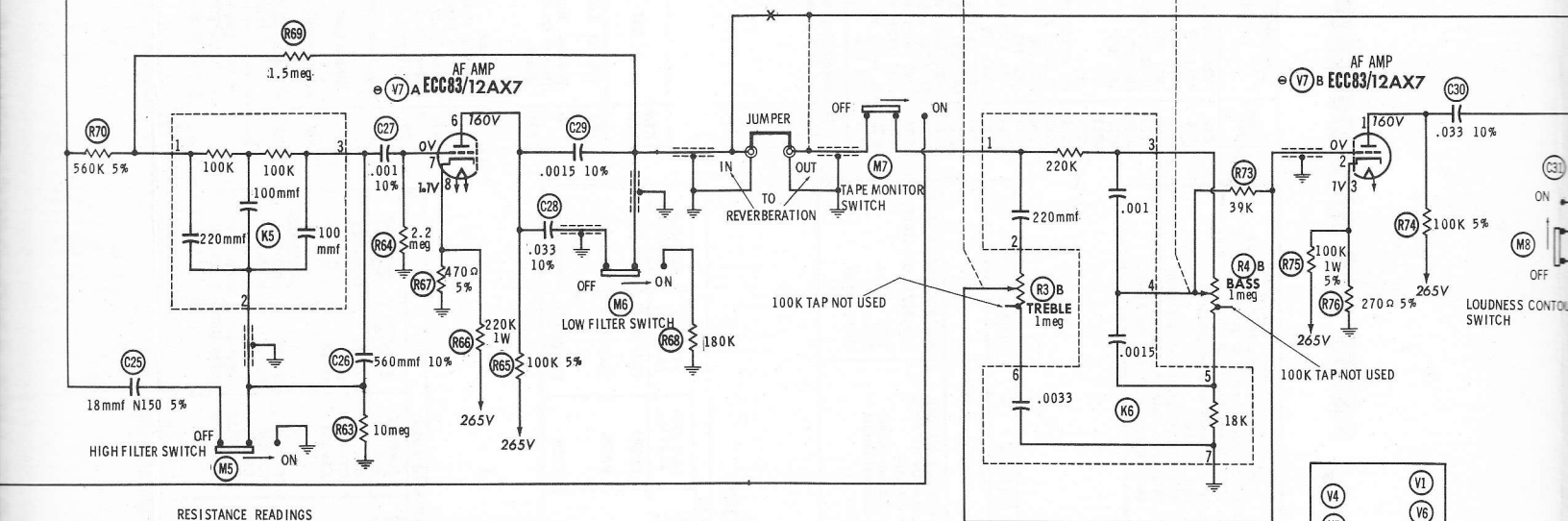
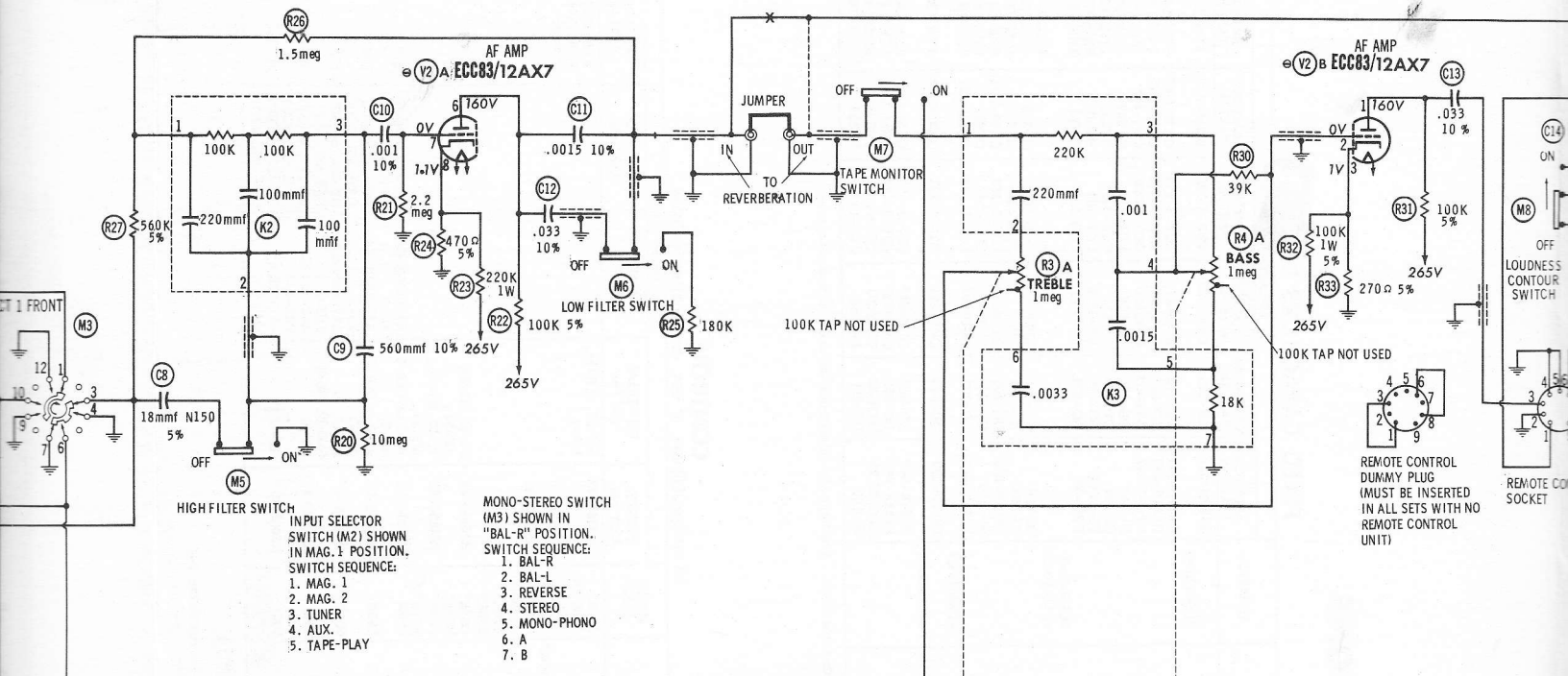
● SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION

1. DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured with 1000 ohm per volt voltmeter.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common ground.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance of component values makes possible a variation of ±15% in voltage and resistance readings.
6. All controls at minimum, proper output load connected.

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.

ITEM	TUBE	Pin 1	Pin 2
V1	ECC83 12AX7	+430K	+110K
V2	ECC83 12AX7	+100K	150K
V3	ECC83 12AX7	+50K	+560K
V4	7591	NC	175Ω
V5	7591	NC	175Ω
V6	ECC83 12AX7	+430K	+110K
V7	ECC83 12AX7	+100K	150K
V8	ECC83 12AX7	+50K	+560K
V9	7591	NC	175Ω
V10	7591	NC	175Ω
V11	6Z34 5AR4	NC	FIL

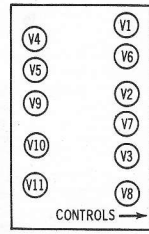
1 THIS READING WILL VARY DEPENDING ON THE READING WILL VARY, COIL MEASURED FROM PIN 8 OF V11
 † TAKEN IN "MAG 1" POSITION.



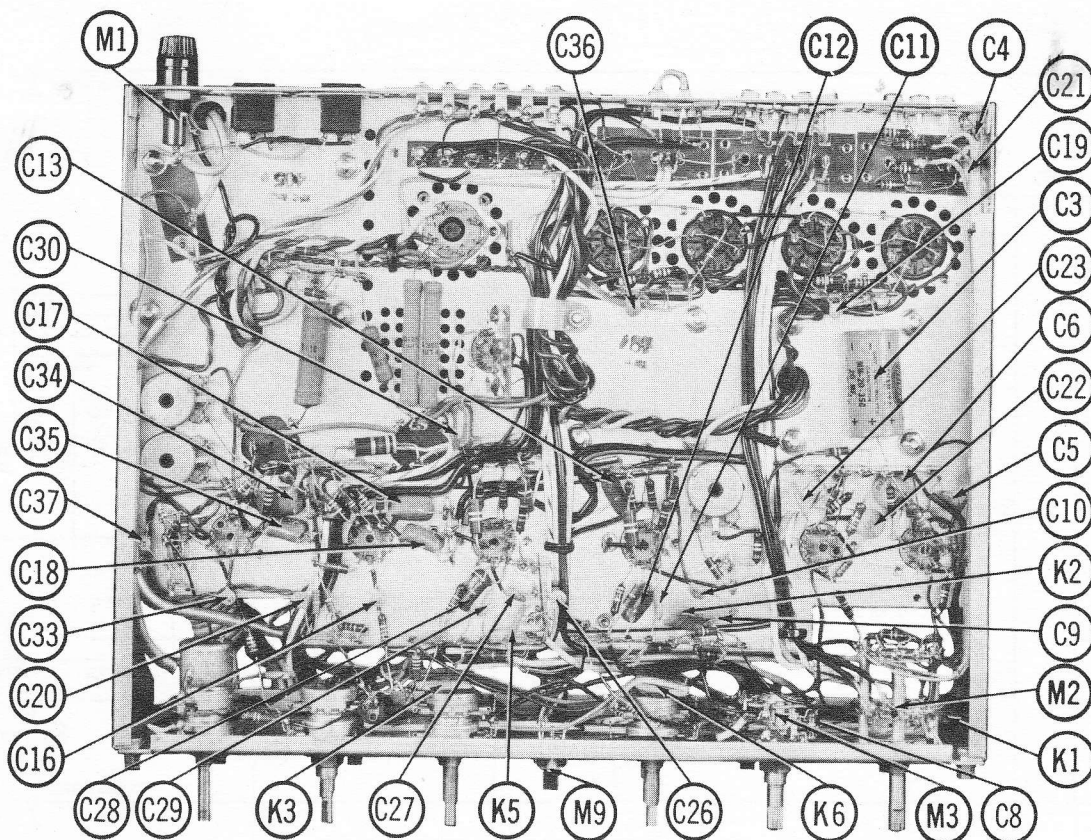
RESISTANCE READINGS

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V4	+430K	+110K	2700Ω	36Ω	48Ω	+320K	4.7meg	0Ω	NC
V5	+100K	150K	270Ω	12Ω	24Ω	+100K	2.2meg	470Ω	NC
V9	+50K	+560K	50K	175Ω	175Ω	560K	47K	2400Ω	175Ω
V10	NC	175Ω	+210Ω	+1500Ω	48Ω	400K	175Ω	+1500Ω	
V11	NC	175Ω	+210Ω	+1500Ω	48Ω	400K	175Ω	+1500Ω	
	+430K	+110K	2700Ω	36Ω	24Ω	+320K	4.7meg	0Ω	NC
	+100K	150K	270Ω	0Ω	12Ω	+100K	2.2meg	470Ω	NC
	+50K	+560K	50K	175Ω	175Ω	560K	47K	2400Ω	175Ω
	NC	175Ω	+210Ω	+1500Ω	48Ω	400K	175Ω	+1500Ω	
	NC	175Ω	+210Ω	+1500Ω	48Ω	400K	175Ω	+1500Ω	
	NC	FIL	NC	60Ω	NC	65Ω	NC	+35K	

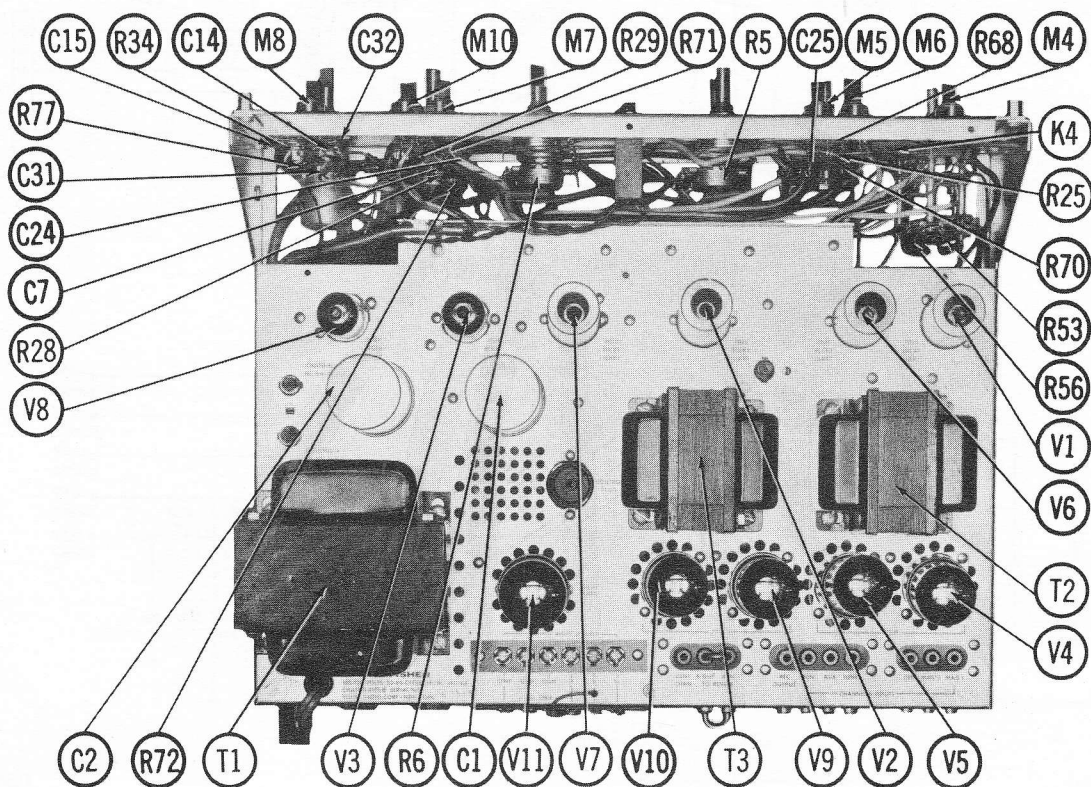
READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
READING WILL VARY, CONTROL SET FOR NORMAL OPERATION.
OBTAINED FROM PIN 8 OF V11.
NC NO CONNECTION



117VAC
155 WATTS



CHASSIS BOTTOM VIEW – CAPACITOR & MISC. IDENT.



CHASSIS – TOP VIEW

PARTS LIST AND DESCRIPTIONS

WIRING DATA

General-use Unshielded Hook-up Wire		Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord		8524 (Stranded) Available in 12 Colors
Power Cord (Interlock Type)		17106 (Plastic) or 17128 (Rubber) - 6 Ft.
Low-Loss Shielded Lead (Interconnecting)		17109 (Plastic) or 17128 (Rubber) - 9 Ft.
Phono Pick-up Arm Cable		Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)
		Use BELDEN No. 8401 or 8421
		Use BELDEN No. 8439 (Two Conductor-Unshielded)
		8419 (Three Conductor-Shielded)

TUBES

ITEM No.	AMPEREX		GENERAL ELECTRIC		RAYTHEON		SYLVANIA	
	USE	TYPE	USE	TYPE	USE	TYPE	USE	TYPE
V1	Left Channel Preamp.	ECC83/12AX7 (7025)*	Right Channel AF Amp.	ECC83/12AX7 (7025)*				
V2	Left Channel AF Amp.	ECC83/12AX7 (7025)*	Phase Inverter	ECC83/12AX7 (7025)*				
V3	Left Channel Output	7591	Right Channel Output	7591				
V4	Left Channel Output	7591	Rectifier	GZ34/5AR4				
V5	Left Channel Preamp.	ECC83/12AX7 (7025)*						
V6	Right Channel Preamp.	ECC83/12AX7 (7025)*						

* Alternate

ELECTROLYTIC CAPACITORS

ITEM No.	CAP.	VOLT.	REPLACEMENT DATA				
			FISHER PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.
C1A	.40	500	C50180-34	AFH2-73	B0540	XC3-36	PP290
C1B	.40	450	C50180-14	AFH3-148-50	C1180	XC2-25	PP375
C1C	.40	450	C50180-14	AFH3-148-50	C1180	QTI-24	PP375
C2	.30	350	C692-131	PRST75	BR20-350	QTI-9	TC65

ITEM No.	CAP.	VOLT.	FISHER PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	.40	500	C50180-34	AFH2-73	B0540	XC3-36	PP290	TVL-2944
C1B	.40	450	C50180-14	AFH3-148-50	C1180	XC2-25	PP375	TVL-3764
C1C	.40	450	C50180-14	AFH3-148-50	C1180	QTI-24	PP375	TVL-3764
C2	.30	350	C692-131	PRST75	BR20-350	QTI-9	TC65	TVA-1608

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CORNELL-DUBILIER PART No.	ELMOCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C4	330 10%		DI-330	DD-331	CCD-331	GP333	10TS-T33
C5	.01		DI-10000	DD-103	CCD-103	B-10	5HK-S10
C6	.02		BPD-02	DD-203	CCD-203	B-120	5HK-S20
C7	82 N1500 10%						
C8	82 N1500 5%						
C9	.01						
C10	.033 250V 10%						
C11	.001 10%						
C12	.033 250V 10%						
C13	.033 250V 10%						
C14	68 N220 10%						

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CORNELL-DUBILIER PART No.	ELMOCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C15	.022 250V 10%		P488N-022	CUB4S22	4DP-2-223	GEM-4122	4TM-S22
C16	68 N220 10%		P488N-047	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C17	.047 400V 10%		P488N-047	CUB4S47	4DP-3-473	GEM-4147	4TM-S47
C18	.047 250V 10%		NPO-DI 22	C10Q22U	CCDN-220	CN7-422	10TCU-Q22
C19	21 N750 5%		DI-680	L10T68	CCD-681	GP368	10TS-T68
C20	680 10%		DI-330	DD-331	CCD-331	GP333	10TS-T33
C21	.01		DI-10000	DD-103	CCD-103	B-10	5HK-S10
C22	.02		BPD-02	DD-203	CCD-203	B-120	5HK-S20
C23	82 N1500 10%						
C24	18 N150 5%						
C25	.001 10%						
C26	.033 250V 10%						
C27	.001 10%						
C28	.033 250V 10%						
C29	.001 10%						
C30	.033 250V 10%						
C31	68 N220 10%						
C32	.022 250V 10%						
C33	68 N220 10%						
C34	.047 400V 10%						
C35	.047 250V 10%						
C36	21 N750 5%						
C37	680 10%						

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

Fisher Part Number.

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESIST-ANCE	FISHER PART No.	CENTRALAB PART No.	REPLACEMENT DATA		
					CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1A	Volume, Left	500K	R50160-92	BT-66, STR-66, KR-2			
R1B	Volume, Right	500K					
R2A	Blend	120K Tap					
R3A	Balance	Imeg					
R3B	Treble, Left	Imeg					
R3C	Treble, Right	Imeg					
R4A	Base, Left	Imeg					
R4B	Base, Right	Imeg					
R5	Mag. Input Level, A	250K	R50160-98	B-50 or (AB-50, AK-7)	A47-250K-S/PS-3		U46
R6	Mag. Input Level, B	250K	R50160-98	B-50 or (AB-50, AK-7)	A47-250K-S/PS-3		U46
R7	Bias Adjust	5000Ω	R50103-4	BX-10 or (AB-10, AK-1)	A47-5000-S/PS-3		U14
R8	AC Balance, A	50K	R50103-3	EX-31	A47-50K-S/PS-3		SU-35
R9	AC Balance, B	50K	R50103-3	EX-31	A47-50K-S/PS-3		SU-35

* 100K Tap Not Used.

† "SNAPPROL".

▲ Used in Models not Requiring Tap.

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		IRC PART No.	WORKMAN PART No.			IRC PART No.	WORKMAN PART No.
R10	120K 5%			R56	100K 5%		
R11	270K 5%			R57	10K 5%		
R12	100K 5%			R58	330K 5%		
R13	100K 5%			R59	27000 5%		
R14	10K 5%			R60	4.7meg		
R15	330K 5%			R61	220K 5%		
R16	27000 5%			R62	100K 5%		
R17	4.7meg			R63	10meg		
R18	220K 5%			R64	2.2meg		
R19	100K 5%			R65	100K 5%		
R20	10meg			R66	220K 1W		
R21	2.2meg			R67	4700 5%		
R22	100K 5%			R68	180K		
R23	220K 1W			R69	1.5meg		
R24	4700 5%			R70	560K 5%		
R25	180K			R71	120K 5%		
R26	1.5meg			R72	100K 5%		
R27	560K 5%			R73	39K		
R28	100K 5%			R74	100K 5%		
R29	120K 5%			R75	100K 1W 5%		
R30	39K			R76	2700 5%		
R31	100K 5%			R77	22K 5%		
R32	100K 1W 5%			R78	82K		
R33	2700 5%			R79	47K 5%		
R34	22K 5%			R80	560K		
R35	82K			R81	22000 5%		
R36	47K 5%			R82	2200		
R37	560K			R83	22K 5%		
R38	22000 5%			R84	47K 5%		
R39	2200			R85	330K 5%		
R40	22K 5%			R86	27K		
R41	47K 5%			R87	330K 5%		
R42	330K 5%			R88	10000		
R43	27K			R89	330K 5%		
R44	3300K 5%			R90	10000		
R45	10000			R91	10K 5%		
R46	330K 5%			R92	18000 5%		
R47	10000			R93	1250 7W	PW10-125	7W-SQ-125
R48	18000			R94	1250 7W	PW10-125	7W-SQ-125
R49	18000 5%			R95	15000 3W	PW5-1500	5W-SQ-1500
R50	47000			R96	33000 2W		
R51	47000			R97	27000		
R52	10000			R98	100K		
R53	100K 5%			R99	2200		
R54	120K 5%			R100	2200		
R55	270K 5%			R101	9200 10W		10G920

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	FISHER PART No.	REPLACEMENT DATA
K1	Magnetic Input Coupling	390mmf, 500mmf, .0015mfd, 200K, 270K, 2meg, 15meg	PC50187-3	
K2	Audio Coupling	100mmf, 100mmf, 220mmf, 100K, 100K	PC50187-2	
K3	Audio Coupling	220mmf, .001mfd, .0015mfd, .0033mfd, 18K, 220K	PC50187-4	
K4	Magnetic Input Coupling	390mmf, 500mmf, .0015mfd, 200K, 270K, 2meg, 15meg	PC50187-3	
K5	Audio Coupling	100mmf, 100mmf, 220mmf, 100K, 100K	PC50187-2	
K6	Audio Coupling	220mmf, .001mfd, .0015mfd, .0033mfd, 18K, 220K	PC50187-4	

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA				NOTES
		PRI.	SEC. 1	SEC. 2	FISHER PART No.	
T1	117V ② 1.45A	800VAC ③ .200A	5VAC ④ 1.9A		T849-J15	
	SEC. 3	SEC. 4	SEC. 5			
	⑤ 3.5A					

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA				NOTES
		FISHER PART No.	Merit PART No.	Stancor PART No.	Triad PART No.	
T2	81000 CT ③ 80, 40	T849-J16-2		22588 ①		① Drill New Mounting Hole(ø).
T3	81000 CT ③ 80, 40	T849-J16-1		22588 ①		

FUSES

ITEM No.	RATING	REPLACEMENT DATA				BUSS PART No.
		FISHER PART No.	Holder	FUSE	Holder	
M1	3AG 125V S/B	F3319	X 563-151	31303 2 (3AG 3 2/10A 125V S/B)	342001	MDX 3 2/10 HKP

MISCELLANEOUS

ITEM No.	PART NAME	FISHER PART No.	NOTES
M2	Switch	S849-J17	Selector (Rotary Wafer, 2 Sections, 5 Positions)
M3	Switch	S849-J18	Mono-Stereo (Rotary Wafer, 2 Sections, 7 Positions)
M4	Switch	SS0200-5	Equalization, Slide Type (DPDT)
M5	Switch	SS0200-5	High Filter, Slide Type (DPDT)
M6	Switch	SS0200-5	Low Filter, Slide Type (DPDT)
M7	Switch	SS0200-5	Tape Monitor, Slide Type (DPDT)
M8	Switch	SS0200-5	Loudness Control, Slide Type (DPDT)
M9	Switch	SS0200-5	Center Channel, Slide Type (DPDT)
M10	Switch	SS0200-5	Phase Reverse, Slide Type (DPDT)

CABINETS & CABINET PARTS

(When Ordering Cabinets & Cabinet Parts, Specify Model, Chassis & Color)

NAME	PART NO.	DESCRIPTION
Knob	ES0220	Dual, Front
Knob	ES0221	Dual, Rear
Knob	ES0222-1	Dual, Dummy
Leg	H50277	Plastic