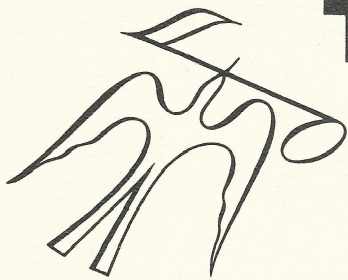
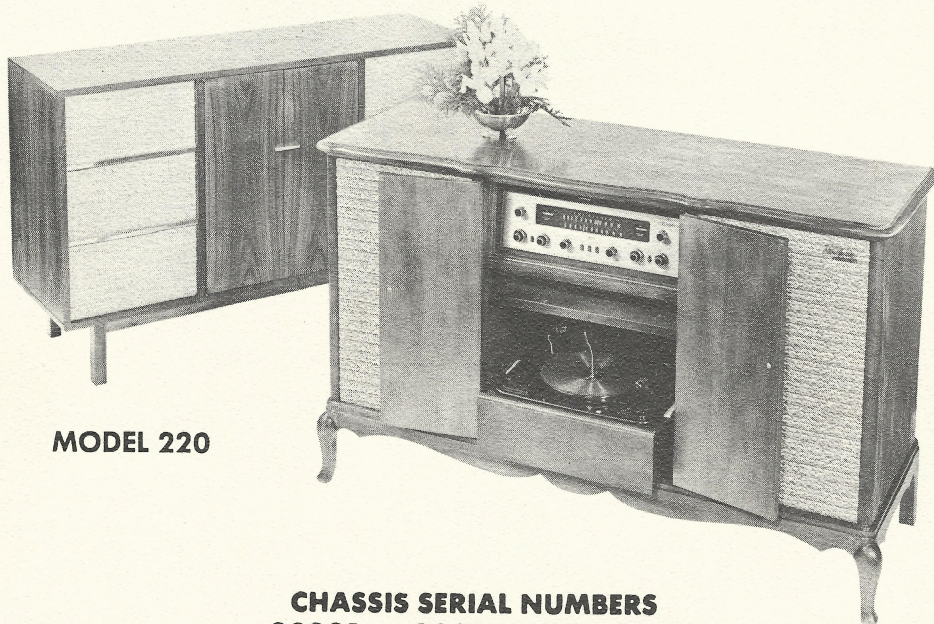


Stereophonic



THE FISHER
PREMIERE
SCHEMATIC and
PARTS LIST



MODEL 220

**CHASSIS SERIAL NUMBERS
20001 — 29999 INCLUSIVE**

PRICE: \$1.00

FISHER RADIO CORPORATION · NEW YORK

(c) www.fisherconsoles.com

**CHASSIS SERIAL NUMBERS
20001 — 29999 INCLUSIVE**

THE FISHER 220



PARTS DESCRIPTION LIST • RECEIVER CHASSIS

R28 Wirewound, 220, 5W
R29 Composition, 68K
R30 Composition, 1M
R31 Composition, 33K, 1W
R32 Composition, 1K
R33 Composition, 1K, 1W
R34 Composition, 3.3M
R35 Composition, 22K, 1W
R36 Composition, 100
R37 Composition, 1K
R38 Composition, 270
R39 Composition, 47K
R40 Composition, 270
R41 Composition, 1K
R42 Composition, 33K
R43 Composition, 180
R44, 45 Composition, 2.2M
R46 Composition, 82K
R47 Composition, 470K
R48 Composition, 1K
R49 Composition, 47K, 1W
R50 Composition, 47K
R51 Composition, 1K
R52 Composition, 270
R53 Composition, 10M
R54 Composition, 390K
R55 Composition, 330K
R56 Composition, 470K
R57 Composition, 1K
R58 Composition, 68K
R59 Composition, 100K
R60 Composition, 3.3M
R61 Potentiometer, 250K
R62 Composition, 15K
R63 Composition, 1.5K
R64, 65
 66, 67 Potentiometer, 250K
R68, 69 Composition, 220K
R70, 71 Composition, 10M
R72 Composition, 47K
R73 Composition, 15M
R74 Composition, 2.2M
R75 Composition, 3.3M
R76 Composition, 330K, 1W
R77 Composition, 2.7K, 1W
R78 Composition, 10
R79 Composition, 330K, 1W
R80 Composition, 2.7K, 1W
R81 Composition, 10
R82 Composition, 47K
R83 Composition, 15M
R84 Composition, 2.2M
R85 Composition, 3.3M
R86 Composition, 100K
R87 Composition, 1.2K
R88 Composition, 10K
R89 Composition, 100K
R90 Composition, 10K
R91, 92 Composition, 100K
R93 Composition, 1.2K
R94 Potentiometer, Dual Bass, 1M
R95 Composition, 220K
R96 Composition, 39K
R97 Composition, 18K
R98 Composition, 270K
R99 Composition, 2.2M
R100 Composition, 270K
R101 Composition, 2.2M
R102 Composition, 220K
R103 Composition, 39K
R104 Composition, 18K
R105 Potentiometer, Dual Treble, 1M
R106, 107 Composition, 120K
R108, 109 Composition, 470K
R110 Composition, 10M
R111 Composition, 4.7M
R112 Composition, 100K
R113 Composition, 10M
R114 Composition, 4.7M
R115, 116 Composition, 100K
R117 Composition, 10M
R118 Composition, 100K
R119 Composition, 10M
R120, 121 Composition, 2.2M
R122, 123 Composition, 220K
R124 Composition, 2.2K

R551-137
RC20BF683K
RC20BF105K
RC30BF333K
RC20BF102K
RC30BF102K
RC20BF335K
RC30BF223K
RC20BF101K
RC20BF102K
RC20BF271K
RC20BF473K
RC20BF271K
RC20BF102K
RC20BF333K
RC20BF181K
RC20BF225K
RC20BF823K
RC20BF474K
RC20BF102K
RC30BF473K
RC20BF473K
RC20BF102K
RC20BF271K
RC20BF106K
RC20BF394K
RC20BF334K
RC20BF474K
RC20BF102K
RC20BF683K
RC20BF104K
RC20BF335K
R50160-3
RC20BF153K
RC20BF152K

R50160-3
RC20BF224K
RC20BF106K
RC20BF473K
RC20BF156K
RC20BF225K
RC20BF335K
RC30BF334K
RC30BF272K
RC20BF100K
RC30BF334K
RC30BF272K
RC20BF100K
RC20BF473K
RC20BF156K
RC20BF225K
RC20BF335K
RC20BF104K
RC20BF122K
RC20BF103K
RC20BF104K
RC20BF103K
RC20BF104K
RC20BF122K
R50160-19
RC20BF224K
RC20BF393K
RC20BF183K
RC20BF274K
RC20BF225K
RC20BF274K
RC20BF225K
RC20BF224K
RC20BF393K
RC20BF183K
R50160-19
RC20BF124K
RC20BF474K
RC20BF106K
RC20BF475K
RC20BF104K
RC20BF106K
RC20BF475K
RC20BF104K
RC20BF106K
RC20BF106K
RC20BF104K
RC20BF106K
RC20BF225K
RC20BF224K
RC20BF222K

R125, 126 Composition, 100K
R127 Composition, 2.2K
R128 Potentiometer, Dual Balance, 250K
R129, 130 Composition, 47K
R131 Composition, 4.7K
R132 Potentiometer, Dual Volume, 500K
R133 Composition, 4.7K
R134, 135 Composition, 820K
R136 Composition, 220K
R137 Composition, 1.5K
R138 Composition, 100
R139 Composition, 6.8K
R140 Composition, 220K
R141 Composition, 1.5K
R142 Composition, 100
R143 Composition, 6.8K
R144, 145 Composition, 33K, 1W
R146, 147 Composition, 22K
R148, 149 Composition, 33K, 1W
R150, 151 Composition, 680K
R152 Composition, 10K
R153, 154 Composition, 680K
R155 Composition, 10K
R156 Composition, 4.7K, 1W
R157 Composition, 1K
R158, 159 Composition, 15K
R160 Composition, 1K
R161 Composition, 4.7K, 1W
R162, 163 Composition, 1K

RC20BF104K
RC20BF222K
R50160-18
RC20BF473K
RC20BF472K
R50160-17
RC20BF472K
RC20BF824K
RC20BF224K
RC20BF152K
RC20BF101K
RC20BF682K
RC20BF224K
RC20BF152K
RC20BF101K
RC20BF682K
RC30BF333K
RC20BF223K
RC30BF333K
RC20BF684K
RC20BF103K
RC20BF684K
RC20BF103K
RC30BF472K
RC20BF102K
RC20BF153K
RC20BF102K
RC30BF472K
RC20BF102K

COILS, CHOKES AND TRANSFORMERS

Symbol	Description	Part No.
L1	Choke, 3.3 Micro Henries	L50066-8
L2	Coil, FM Antenna	L726-124
L3	Coil, AM Antenna	L721-139
L4	AM Ferrite Loop	L721-136
L5	Choke, 1 Micro Henry	L50066-2
L6, 7	Choke, .56 Micro Henries	L50066-19
L8	Choke, RF	L629-180
L9	Coil, FM RF	L726-126
L10	Coil, FM Oscillator	L726-125
L11, 13	Choke, 1 Micro Henry	L50066-2
L12	Choke, .56 Micro Henries	L50066-19
L14	Choke, 1.2 Micro Henries	L50066-3
L15, 16, 17, 18	Choke, Filament Ferrite Bead	L592-189
L19	Coil, AM Oscillator	L50210-21
L20	Choke, 1.2 Micro Henries	L50066-3
L21	Coil, 10kc Filter	L644-120
T1	Transformer, Power	T720-115
T2, 3	Transformer, Output	T720-116
Z1	Transformer, FM IF	ZZ662-117
Z2	Transformer, FM IF	ZZ2987
Z3	Limiter Coil Assembly	L670-145
Z4	Transformer, FM Detector	ZZ592-170
Z5	Transformer, AM RF	L556-125
Z6	Transformer, AM IF	ZZ50210-1
Z7	Transformer, AM IF	ZZ2984

MISCELLANEOUS

Symbol	Description	Part No.
F1	Fuse, 3.2 Ampere, Slo-Blo	F3319
I1, 2	Lamp, Dial Panel	I-50082-3
S1	Switch, Selector	S720-154
S2	Switch, Mono-Stereo	S720-151
S3	Switch, Slide	S50200-2
S4	Switch, Power	Part of R132
S5, 6, 7, 8, 9	Switch, Slide	S50200-2

MECHANICAL PARTS

Symbol	Description	Part No.
—	FM Dial Pointer	A720-158
—	AM Dial Pointer	A720-159
—	Knob, Tuning	E50133-1
—	Knob, Selector and Mono-Stereo	E50133-2
—	Knob, Bass and Treble, Rear	E50153-1
—	Knob, Bass and Treble, Front	E50152
—	Knob, Volume and Balance	E50154-1
—	9-Pin Tube Shield	E3287
—	7-Pin Tube Shield	E3330
—	Speaker Terminal Strip	E50170-10
—	Plastic Leg	H657-145
—	Dial Glass	N720-113
—	Fuse Holder	X1036

PARTS DESCRIPTION LIST • RECEIVER CHASSIS

CAPACITORS

10% tolerance for all fixed capacitors, unless otherwise noted or marked GMV (guaranteed minimum value.)

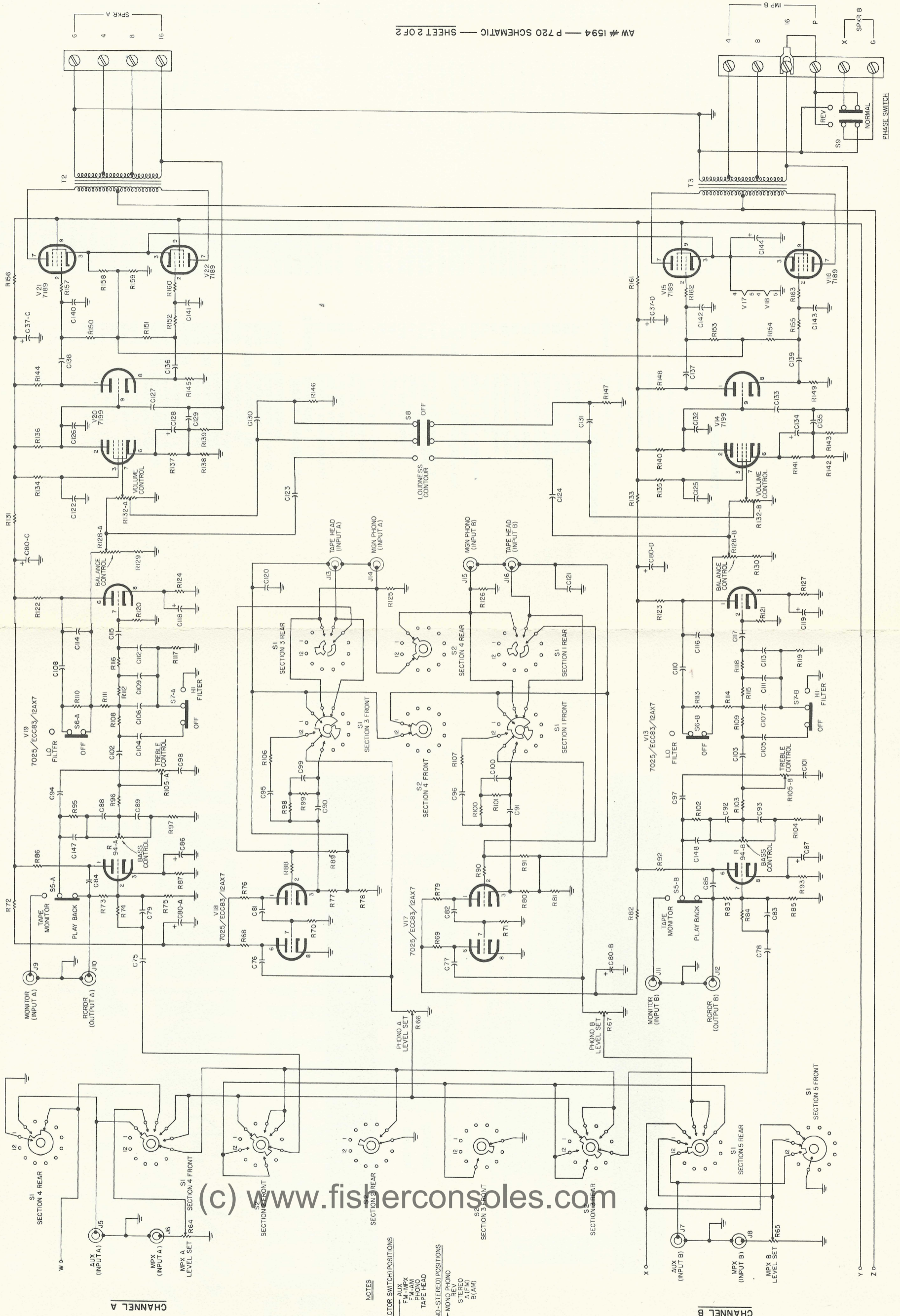
Symbol	Description	Part No.	Symbol	Description	Part No.
C1	Ceramic, 24uuf 5% N150, 1000V	C50070-8	C80	Electrolytic, four section:	C50180-1
C2	Ceramic, 100uuf N1500, 1000V	C50070-6	A:	10uf, 200V	
C3, 4	Ceramic, 8uuf ±.5uuf NPO, 500V	CC20CJ080D5	B:	10uf, 200V	
C5	Ceramic, Trimmer	C662-123	C:	30uf, 300V	
C6	AM Variable	Part of C9	D:	30uf, 300V	
C7	Ceramic, 100uuf N1500, 1000V	C50070-6	C81, 82	Ceramic, .01uf 20%, 500V	C50089-3
C8	FM Variable	C726-116	C83	Ceramic, 16uuf N75, 1000V	C50070-21
C9	AM Variable	C684-127	C84, 85	Ceramic, .01uf 20%, 500V	C50089-3
C10	Ceramic, Feedthru, .001uf GMV	C592-187	C86, 87	Electrolytic, 25uf, 6V	C639-114
C11	Ceramic, 100uuf N1500, 1000V	C50070-6	C88	Ceramic, .001uf, 1000V	C50072-3
C12	Molded, .047uf, 250V	C50074-27	C89	Molded, .01uf, 250V	C50074-25
C13	Ceramic, .001uf, 1000V	C50072-3	C90, 91	Ceramic, 390uuf, 1000V	C50072-6
C14	Ceramic, Feedthru, .001uf GMV	C592-187	C92	Ceramic, .001uf, 1000V	C50072-3
C15	Ceramic, 5uuf ±.5uuf NPO, 500V	CC20CJ050D5	C93	Molded, .01uf, 250V	C50074-25
C16	Ceramic, Trimmer	C662-123	C94	Ceramic, 220uuf, 1000V	C50072-20
C17	Ceramic, .02uf +80—20%, 500V	C50089-4	C95, 96	Ceramic, 560uuf, 1000V	C50072-14
C18	Molded, .01uf 20%, 600V	C2747	C97	Ceramic, 220uuf, 1000V	C50072-20
C19	Ceramic, 100uuf N1500, 1000V	C50070-6	C98	Ceramic, .0033uf, 1000V	C50072-11
C20	Ceramic, .02uf +80—20%, 500V	C50089-4	C99, 100	Ceramic, .0018uf, 1000V	C50072-8
C21	Ceramic, 68uuf N750, 500V	CC20UJ680K5	C101	Ceramic, .0033uf, 1000V	C50072-11
C22	Ceramic, 100uuf N1500, 1000V	C50070-6	C102, 103	Molded, .022uf, 250V	C50074-26
C23	Ceramic, 18uuf N470, 1000V	C50070-13	C104, 105	Ceramic, 47uuf N750, 1000V	C50070-4
C24	Ceramic, .005uf 20%, 500V	C50089-1	C106, 107	Ceramic, 220uuf, 1000V	C50072-20
C25	Ceramic, 5uuf ±.5uuf N220, 500V	CC20RH050D5	C108	Molded, .01uf, 250V	C50074-25
C26	Ceramic, Trimmer	C662-123	C109	Ceramic, 100uuf N1500, 1000V	C50070-6
C27	Ceramic, .68uuf 20%, 500V	C50077-6N	C110	Molded, .01uf, 250V	C50074-25
C28	Ceramic, Feedthru, .001uf GMV	C592-187	C111, 112,		
C29	Ceramic, 24uuf 5% N150, 1000V	C50070-8	113	Ceramic, 100uuf N1500, 1000V	C50070-6
C30	Ceramic, 100uuf, N1500, 1000V	C50070-19	C114	Molded, .002uf, 200V	C68P202K2
C31	Ceramic, 10uuf ±.5uuf NPO, 500V	CC20CH100D5	C115	Ceramic, .001uf, 1000V	C50072-3
C32	Ceramic, .001uf, 1000V	C50072-3	C116	Molded, .002uf, 200V	C68P202K2
C33	AM Variable	Part of C9	C117	Ceramic, .001uf, 1000V	C50072-3
C34	Ceramic, 100uuf N1500, 1000V	C50070-6	C118, 119	Electrolytic, 25uf, 6V	C639-114
C35	Ceramic, .005uf 20%, 500V	C50089-1	C120, 121	Ceramic, 100uuf N1500, 1000V	C50070-6
C36	Ceramic, 2.2uuf, 500V	C3039	C122	Molded, .1uf, 500V	C50074-38
C37	Electrolytic, four section:	C50180-2	C123, 124	Ceramic, 68uuf N2200, 1000V	C50070-12
	A: 40uf, 400V		C125	Molded, .1uf, 500V	C50074-38
	B: 40uf, 350V		C126	Ceramic, 47uuf N750, 1000V	C50070-4
	C: 20uf, 300V		C127	Ceramic, 15uuf N75, 1000V	C50070-18
	D: 20uf, 300V		C128	Electrolytic, 25uf, 6V	C639-114
C38	Ceramic, Feedthru, .001 GMV	C592-187	C129	Ceramic, 470uuf, 1000V	C50072-13
C39	Electrolytic, three section:	C670-125	C130, 131	Molded, .022uf, 250V	C50074-26
	A: 40uf, 300V		C132	Ceramic, 47uuf N750, 1000V	C50070-4
	B: 40uf, 250V		C133	Ceramic, 15uuf N75, 1000V	C50070-18
	C: 40uf, 250V		C134	Electrolytic, 25uf, 6V	C639-114
C40	Ceramic, Feedthru, .001uf GMV	C592-187	C135	Ceramic, 470uuf, 1000V	C50072-13
C41	Ceramic, .02uf +80—20%, 500V	C50089-4	C136, 137,		
C42	Ceramic, 100uuf N1500, 1000V	C50070-6	138, 139	Molded, .1uf, 20%, 500V	C50074-38
C43	Ceramic, .02uf +80—20%, 500V	C50089-4	C140, 141,		
C44	Ceramic, .001uf, 1000V	C50072-3	142, 143	Ceramic, 390uuf, 1000V	C50072-6
C45	Ceramic, .005uf 20%, 500V	C50089-1	C144	Electrolytic, 100uf, 100V	C663-143
C46	Ceramic, .0027uf, 1000V	C50072-17	C145	Ceramic, 5uuf ±.5uuf N150, 500V	CC20PJ050D5
C47	Ceramic, .02uf +80—20%, 500V	C50089-4	C146	Ceramic, 47uuf N750, 1000V	C50070-6
C48	Ceramic, Feedthru, .001uf GMV	C592-187	C147	Ceramic, 82uuf N1500, 1000V	C50070-7
C49	Ceramic, .005uf 20%, 500V	C50089-1	C148	Ceramic, 68uuf N2200, 1000V	C50070-12
C50	Ceramic, 10uuf NPO, 1000V	C50070-11	C149	Ceramic, .005uuf 20%, 500V	C50089-1
C51	AM Variable	Part of C9			
C52	Ceramic, .02uf +80—20%, 500V	C50089-4			
C53	Ceramic, Feedthru, .001uf GMV	C592-187			
C54	Ceramic, .02uf +80—20%, 500V	C50089-4			
C55, 56	Ceramic, .005uf 20%, 500V	C50089-1			
C57	Ceramic, .0027uf, 1000V	C50072-17			
C58	Ceramic, .02uf +80—20%, 500V	C50089-4			
C59	Ceramic, 10uuf NPO, 1000V	C50070-11			
C60	Ceramic, .005uf 20%, 500V	C50089-1			
C61	Ceramic, .0027uf, 1000V	C50072-17			
C62, 63	Ceramic, .005uf 20%, 500V	C50089-1			
C64, 65	Ceramic, 330uuf, 1000V	C50072-1			
C66	Electrolytic, 8uf, 50V	C629-138			
C67	Ceramic, .055uf 20%, 500V	C50089-1			
C68	Ceramic, 330uuf, 1000V	C50072-1			
C69	Ceramic, .01uf 20%, 500V	C50089-3			
C70	Ceramic, .001uf, 1000V	C50072-3			
C71	Molded, .022uf, 250V	C50074-26			
C72	Ceramic, 820uuf 5%, 500V	CC21GP821J5			
C73	Ceramic, 220uuf, 1000V	C50072-20			
C74	Molded, .047uf, 250V	C50074-27			
C75	Ceramic, .01uf 20%, 500V	C50089-3			
C76, 77	Ceramic, .02uf +80—20%, 500V	C50089-4			
C78	Ceramic, .01uf 20%, 500V	C50089-3			
C79	Ceramic, 16uuf N75, 1000V	C50070-21			

RESISTORS AND POTENTIOMETERS

In ohms, 10% tolerance, 1/2 watt, unless otherwise noted. K = kilohm, M = megohm.

Symbol	Description	Part No.
R1	Composition, 270	RC20BF271K
R2	Composition, 1K	RC20BF102K
R3	Composition, 4.7	RC20BF4R7K
R4, 5	Composition, 330K	RC20BF334K
R6	Composition, 100K	RC20BF104K
R7, 8	Composition, 2.2M	RC20BF225K
R9	Composition, 100	RC20BF101K
R10	Composition, 22	RC20BF220K
R11	Composition, 2.2K	RC20BF222K
R12	Composition, 47K	RC20BF473K
R13	Composition, 1K	RC20BF102K
R14	Not Used	Not Used
R15	Composition, 470K	RC20BF474K
R16	Composition, 1K	RC20BF102K
R17	Composition, 4.7	RC20BF4R7K
R18	Composition, 820K	RC20BF824K
R19	Wirewound, 140, 10W	R720-177
R20	Potentiometer, Wirewound, 500	R516-128
R21	Wirewound, 50, 5W	R556-142
R22	Potentiometer, Wirewound, 500	R516-128
R23	Composition, 100	RC20BF101K
R24	Composition, 150	RC20BF151K
R25	Wirewound, 220, 5W	R551-137
R26	Wirewound, 2200, 7W	R563-148
R27	Composition, 47K	RC20BF473K

SCHEMATIC DIAGRAM • AMPLIFIER SECTION OF RECEIVER CHASSIS



(c) www.fisherconsoles.com

NOTES

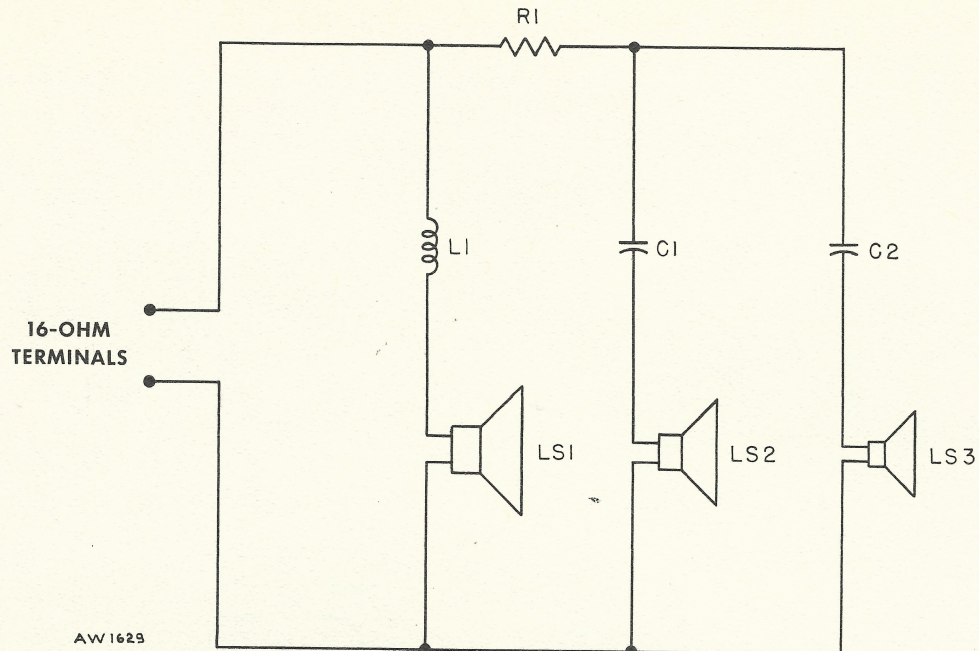
S1 (SELECTOR SWITCH) POSITIONS SHOWN IN — AUX FM-MPX FM-AM PHONO TAPE HEAD

S2 (MONO-STEREO) POSITIONS SHOWN IN — MONO PHONO REV STEREO A (FM) B (AM)

CHANNEL A

CHANNEL B

SCHEMATIC DIAGRAM • SPEAKER SYSTEMS



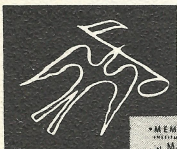
PARTS LIST • SPEAKER SYSTEMS

Symbol	Description	Part No.
C1	Capacitor, electrolytic, 16uf, 50V	C765-107
C2	Capacitor, tubular, 2uf, 50V	C547-118
L1	Coil, 3 milhenries	L547-120
LS1	Loudspeaker, woofer, 16-ohm	LS765-106
LS2	Loudspeaker, midrange, 16-ohm	LS50123
LS3	Loudspeaker, tweeter, 16-ohm	LS547-124
R1	Resistor, wirewound, 6.8 ohms, 10% 5 W	R671-113

NOTE: Schematic diagram and parts list apply to both speaker systems, which contain the same components and are wired identically.

PARTS LIST • RECORD CHANGER

Symbol	Description	Part No.
—	Record changer	RC547-121
—	Cartridge, magnetic, stereo	G50184



FISHER RADIO CORPORATION • NEW YORK

