

CHASSIS SERIAL NUMBERS
10001-19999 INCLUSIVE

THE FISHER FM-100



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SCHEMATIC and

PARTS LIST



MODEL FM-100

CHASSIS SERIAL NUMBERS
10001-19999 INCLUSIVE

PRICE: \$1.00

FISHER RADIO CORPORATION • NEW YORK

PARTS DESCRIPTION LIST

CAPACITORS

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

Symbol	Description	Order No.
C1	Ceramic, 8uuf ± .5uuf, NPO, 500V	CC20CJ080D5
C2	Molded, .01uf 20%, 600V	C2747
C3	Ceramic, 100uuf N1500, 1000V	C50070-6
C4	Ceramic, Trimmer	C662-123
C5	FM Variable	C726-116
C6	Ceramic, 100uuf N1500, 1000V	C50070-6
C7, 8, 9, 10	Ceramic, Feedthru, .001uf GMV	C592-187
C11	Electrolytic, three section: A — 40uf, 300V B — 40uf, 250V C — 40uf, 250V	C670-125
C12	Ceramic, Feedthru, .001uf GMV	C592-187
C13	Ceramic, .001uf, 1000V	C50072-3
C14	Ceramic, Feedthru, .001uf GMV	C592-187
C15	Ceramic, 8uuf ± .5uuf NPO, 500V	CC20CJ080D5
C16	Ceramic, Trimmer	C662-123
C17	Ceramic, 100uuf N1500, 1000V	C50070-6
C18	Ceramic, .005uf 20%, 500V	C50089-1
C19	Ceramic, 68uuf N750, 500V	CC20UJ680K5
C20	Ceramic, 100uuf N1500, 1000V	C50070-6
C21	Ceramic, 5uuf ± .5uuf N150, 500V	CC20PJ050D5
C22	Ceramic, 5uuf ± .5uuf N220, 500V	CC20RH050D5
C23	Ceramic, 47uuf N750, 1000V	C50070-4
C24	Ceramic, Trimmer	C662-123
C25	Ceramic, .005uf 20%, 500V	C50089-1
C26	Ceramic, 24uuf 5% N150, 1000V	C50070-8
C27	Ceramic, Feedthru, .001uf GMV	C592-187
C28	Ceramic, 100uuf 5% N1500, 1000V	C50070-19
C29	Ceramic, .001uf, 1000V	C50072-3
C30	Ceramic, .005uf 20%, 500V	C50089-1
C31	Ceramic, Feedthru, .001uf GMV	C592-187
C32	Ceramic, .0027uf, 1000V	C50072-17
C33	Ceramic, .005uf 20%, 500V	C50089-1
C34	Ceramic, .02uf +80—20%, 500V	C50089-4
C35	Ceramic, .0027uf, 1000V	C50072-17
C36	Ceramic, .005uf 20%, 500V	C50089-1
C37	Ceramic, 47uuf N750, 1000V	C50070-4
C38	Ceramic, .001uf GMV, 500V	C50089-2
C39	Ceramic, 100uuf N1500, 1000V	C50070-6
C40	Molded, .1uf, 250V	C50074-28
C41	Ceramic, .0027uf, 1000V	C50072-17
C42	Ceramic, 100uuf N1500, 1000V	C50070-6
C43	Electrolytic, 20uf, 250V	C746-145
C44	Molded, .1uf, 250V	C50074-28
C45	Ceramic, .02uf +80—20%, 500V	C50089-4
C46	Ceramic, .005uf 20%, 500V	C50089-1
C47	Ceramic, 5uuf NPO, 500V	CC20CJ050D5
C48	Ceramic, .005uf 20%, 500V	C50089-1
C49	Ceramic, .001uf GMV, 500V	C50089-2
C50	Electrolytic, 1uf, 50V	C746-144
C51, 52	Ceramic, 12uuf NPO, 1000V	C50070-2
C53	Ceramic, .02uf +80—20%, 500V	C50089-4
C54	Molded, .1uf, 250V	C50074-28
C55	Ceramic, .02uf +80—20%, 500V	C50089-4

C56	Ceramic, 18uuf N470, 1000V
C57	Ceramic, .0027uf, 1000V
C58	Ceramic, .005uf 20%, 500V
C59	Ceramic, .02uf +80—20%, 500V
C60	Ceramic, 330uuf, 1000V
C61	Ceramic, .0033uf, 1000V
C62	Molded, .1uf, 250V
C63	Ceramic, .005uf 20%, 500V
C64, 65	Ceramic, 330uuf, 1000V
C66	Electrolytic, 8uf, 50V
C67	Ceramic, 18uuf N470, 1000V

C50070-13
C50072-17
C50089-1
C50089-4
C50072-1
C50072-11
C50074-28
C50089-1
C50072-1
C629-138
C50070-13

R49	Potentiometer, 500K Level Set
R50	Composition, 2.2M
R51	Composition, 220K
R52	Composition, 330K
R53	Composition, 100
R54	Composition, 820K
R55	Composition, 470K
R56	Composition, 1.8M
R57	Composition, 18K
R58	Composition, 27K, 1W
R59	Composition, 1K
R60	Composition, 270
R61	Composition, 33K
R62	Composition, 1K
R63, 64	Composition, 6.8K
R65	Composition, 1.5K

R50103-6
RC20BF225K
RC20BF224K
RC20BF334K
RC20BF101K
RC20BF824K
RC20BF474K
RC20BF185K
RC20BF183K
RC30BF273K
RC20BF102K
RC20BF271K
RC20BF333K
RC20BF102K
RC20BF682K
RC20BF152K

RESISTORS AND POTENTIOMETERS

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

Symbol	Description	Order No.
R1, 2	Composition, 330	RC20BF331K
R3	Composition, 2.7K	RC20BF272K
R4	Composition, 100K	RC20BF104K
R5	Composition, 120	RC20BF121K
R6	Wirewound, 330 5W	R746-146
R7, 8	Composition, 330K	RC20BF334K
R9	Wirewound, 330 5W	R746-146
R10	Composition, 22	RC20BF220K
R11	Composition, 2.2K	RC20BF222K
R12	Composition, 470K	RC20BF474K
R13, 14	Composition, 1K	RC20BF102K
R15	Composition, 120	RC20BF121K
R16	Composition, 470	RC20BF471K
R17	Composition, 47K	RC20BF473K
R18	Composition, 82K	RC20BF823K
R19	Composition, 1K	RC20BF102K
R20	Composition, 120	RC20BF121K
R21	Composition, 82K	RC20BF823K
R22	Composition, 680K	RC20BF684K
R23	Potentiometer, Dual, 100K Muting Control and 100K Channel Separation	R50160-10
R24	Composition, 100K	RC20BF104K
R25	Composition, 1K	RC20BF102K
R26	Composition, 220K	RC20BF224K
R27	Composition, 820K	RC20BF824K
R28	Composition, 100K	RC20BF104K
R29	Composition, 220K	RC20BF224K
R30	Composition, 120K	RC20BF124K
R31	Composition, 4.7K	RC20BF472K
R32	Composition, 180K	RC20BF184K
R33	Composition, 1.8M	RC20BF185K
R34	Composition, 82K	RC20BF823K
R35	Composition, 1K	RC20BF102K
R36	Composition, 220K	RC20BF224K
R37	Composition, 100K	RC20BF104K
R38	Composition, 22M	RC20BF226K
R39	Composition, 330K	RC20BF334K
R40	Potentiometer, 500K Level Set	R50103-6
R41	Composition, 100K	RC20BF104K
R42	Composition, 22K	RC20BF223K
R43, 44	Composition, 220K	RC20BF224K
R45	Composition, 15M	RC20BF156K
R46	Composition, 68K	RC20BF683K
R47	Composition, 100K	RC20BF104K
R48	Composition, 22M	RC20BF226K

Symbol	Description	Order No.
L1	Coil, FM Antenna	L726-124
L2	Choke, 1 Micro Henry	L50066-2
L3, 4	Choke, .56 Micro Henries	L50066-19
L5	Choke, RF	L629-180
L6	Coil, FM-Off	L726-126
L7	Coil, FM Oscillator	L726-125
L8	Choke, .56 Micro Henries	L50066-19
L9, 10	Choke, 1 Micro Henry	L50066-2
L11	Choke, 1.2 Micro Henries	L50066-3
L12	Coil, Muting Oscillator	L50210-21
L13	Choke, Filament	L520-156
L14	Choke, 1.2 Micro Henries	L50066-3
L15, 16, 17, 18	Choke, Filament Ferrite Bead	L592-189
T1	Transformer, Power	T746-115
Z1	Transformer, FM-IF	ZZ662-117
Z2, 3	Transformer, FM-IF	ZZ50210-2
Z4	Coil, FM Limiter	L551-121
Z5	Transformer, FM Ratio Detector	ZZ592-170

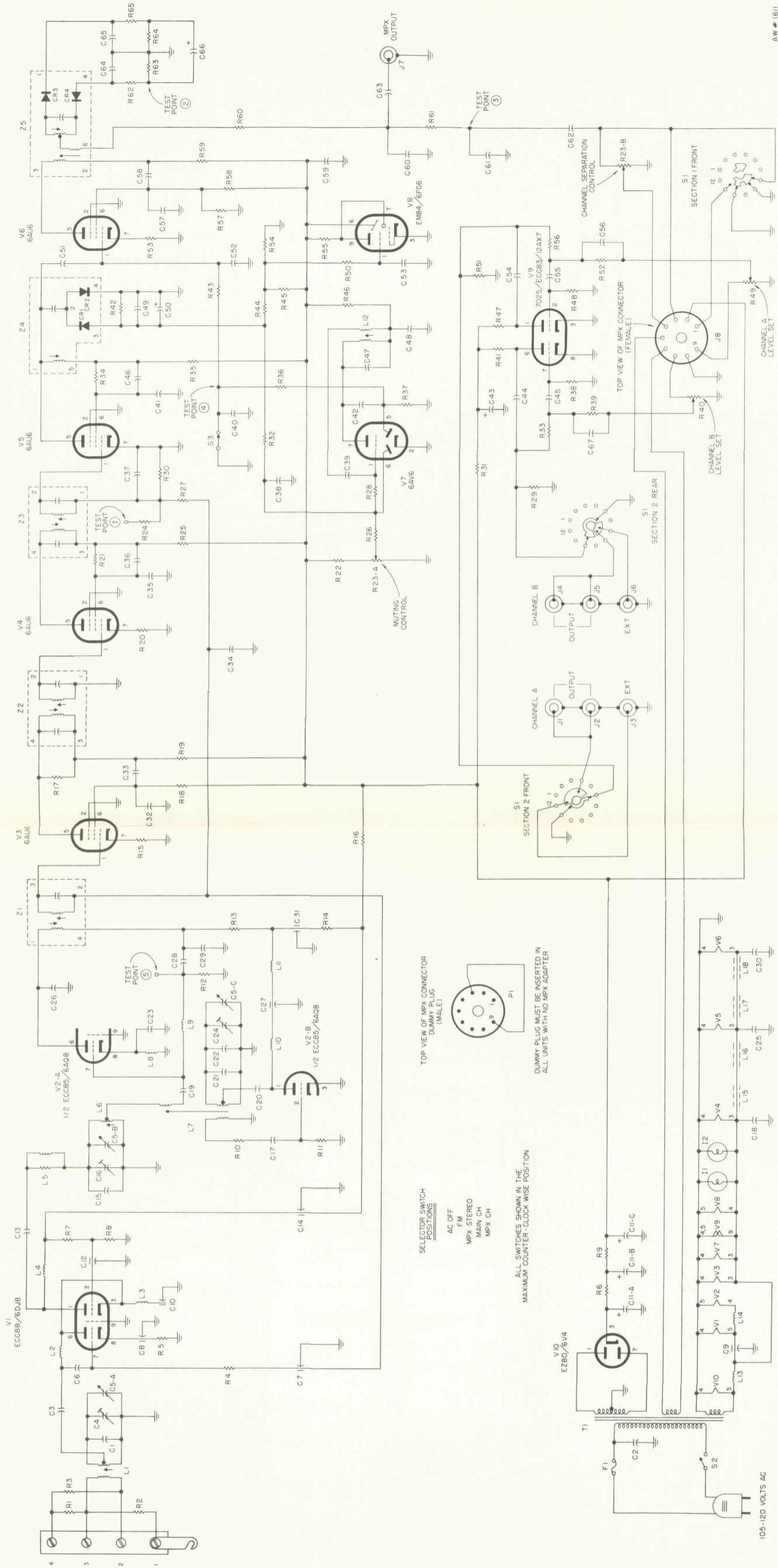
MISCELLANEOUS

Symbol	Description	Part No.
CR1, 2	Crystal Diode, Type 1N295	V-1N295
CR3, 4	Crystal Diodes, Matched Pair	V-1N542
F1	Fuse, 1.5 Ampere, Slo-Blo	F684-143
I1, 2	Lamp, Dial Panel	I50082-3
P1	Plug, 9 Pin	P50181
S1	Switch Selector	S746-118
S2	Switch, Power	Part of S1
S3	Switch, Muting	Part of R23

MECHANICAL PARTS

Symbol	Description	Part No.
—	Dress Panel Screened	A5746-114
—	Dial Pointer	A746-143
—	Shield, Tube, 7 Pin	E3330
—	Shield, Tube, 9 Pin	E3287
—	Knob, Selector	E50154-1
—	Knob, Tuning	E50154-2
—	Knob, Dual Front	E50152
—	Knob, Dual Rear	E50153-1
—	Insulating Cap for Dummy Plug P1	E50182
—	Plastic Leg	H657-145
—	Dial Glass	N746-113
—	Fuse Holder	X1036

SCHEMATIC DIAGRAM



AW # 1611
P746 SCHEMATIC FM-100

SELECTOR SWITCH POSITIONS:
AC OFF
FM
MPX STEREO
MAIN CH
MPX CH

ALL SWITCHES SHOWN IN THE MAXIMUM COUNTER-CLOCKWISE POSITION

TOP VIEW OF MPX CONNECTOR (MALE)

DUMMY PLUG MUST BE INSERTED IN ALL UNITS WITH NO MPX ADAPTER

RESISTORS	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R17	R18	R19	R20	R21	R22	R23-A	R23-B	R24	R25	R26	R27	R28	R29	R30	R31	R32	R33	R34	R40	R41	R42	R43	R44	R45	R46	R47	R48	R49	R50	R51	R52	R53	R54	R55	R56	R57	R58	R59	R60	R61	R62	R63	R64	R65									
CAPACITORS	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11-A	C11-B	C11-C	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66



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