



CHASSIS SERIAL NUMBERS
10001 - 19999 INCLUSIVE

THE FISHER FM-100



THE FISHER **FM-100**

SCHEMATIC and

PARTS LIST



MODEL FM-100

**CHASSIS SERIAL NUMBERS
10001 - 19999 INCLUSIVE**

PRICE: \$1.00

FISHER RADIO CORPORATION • NEW YORK

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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, 8uf ± .5uf, NPO, 500V	CC20C1080D5
C2	Molded, .01uf 20%, 600V	C2747
C3	Ceramic, 100uf N1500, 1000V	C50070-6
C4	Ceramic, Trimmer	C662-123
C5	FM Variable	C726-116
C6	Ceramic, 100uf 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, 8uf ± .5uf NPO, 500V	CC20C1080D5
C16	Ceramic, Trimmer	C662-123
C17	Ceramic, 100uf N1500, 1000V	C50070-6
C18	Ceramic, .005uf 20%, 500V	C50089-1
C19	Ceramic, 68uf N750, 500V	CC20U1680K5
C20	Ceramic, 100uf N1500, 1000V	C50070-6
C21	Ceramic, 5uf ± .5uf N1500, 500V	CC20P1050D5
C22	Ceramic, 5uf ± .5uf N220, 500V	CC20RH050D5
C23	Ceramic, 47uf N750, 1000V	C50070-4
C24	Ceramic, Trimmer	C662-123
C25	Ceramic, .005uf 20%, 500V	C50089-1
C26	Ceramic, 24uf 5%, N150, 1000V	C50070-8
C27	Ceramic, Feedthru, .001uf GMV	C592-187
C28	Ceramic, 100uf 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, 47uf N750, 1000V	C50070-4
C38	Ceramic, .001uf GMV, 500V	C50089-2
C39	Ceramic, 100uf N1500, 1000V	C50070-6
C40	Molded, .1uf, 250V	C50074-28
C41	Ceramic, .0027uf, 1000V	C50072-17
C42	Ceramic, 100uf 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, 5uf NPO, 500V	CC20C1050D5
C48	Ceramic, .005uf 20%, 500V	C50089-1
C49	Ceramic, .001uf GMV, 500V	C50089-2
C50	Electrolytic, 1uf, 50V	C746-144
C51, 52	Ceramic, 12uf 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

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	RC20BF473K
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	Pentohmeter, Dual, 100K Mufting 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, 4.7K	RC20BF472K
R33	Composition, 1.8M	RC20BF184K
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	Pentohmeter, 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

RESISTORS AND POTENTIOMETERS

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

Symbol	Description	Order No.
R49	Potentiometer, 500K Level Set	R50103-6
R50	Composition, 2.2M	RC20BF225K
R51	Composition, 220K	RC20BF224K
R52	Composition, 330K	RC20BF334K
R53	Composition, 100	RC20BF101K
R54	Composition, 820K	RC20BF824K
R55	Composition, 470K	RC20BF474K
R56	Composition, 1.8M	RC20BF185K
R57	Composition, 18K	RC20BF183K
R58	Composition, 27K, 1W	RC30BF273K
R59	Composition, 1K	RC20BF102K
R60	Composition, 270	RC20BF271K
R61	Composition, 33K	RC20BF333K
R62	Composition, 1K	RC20BF102K
R63, 64	Composition, 6.8K	RC20BF682K
R65	Composition, 1.5K	RC20BF152K

COILS, CHOKES AND TRANSFORMERS

COILS

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-RF	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, Mufting 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

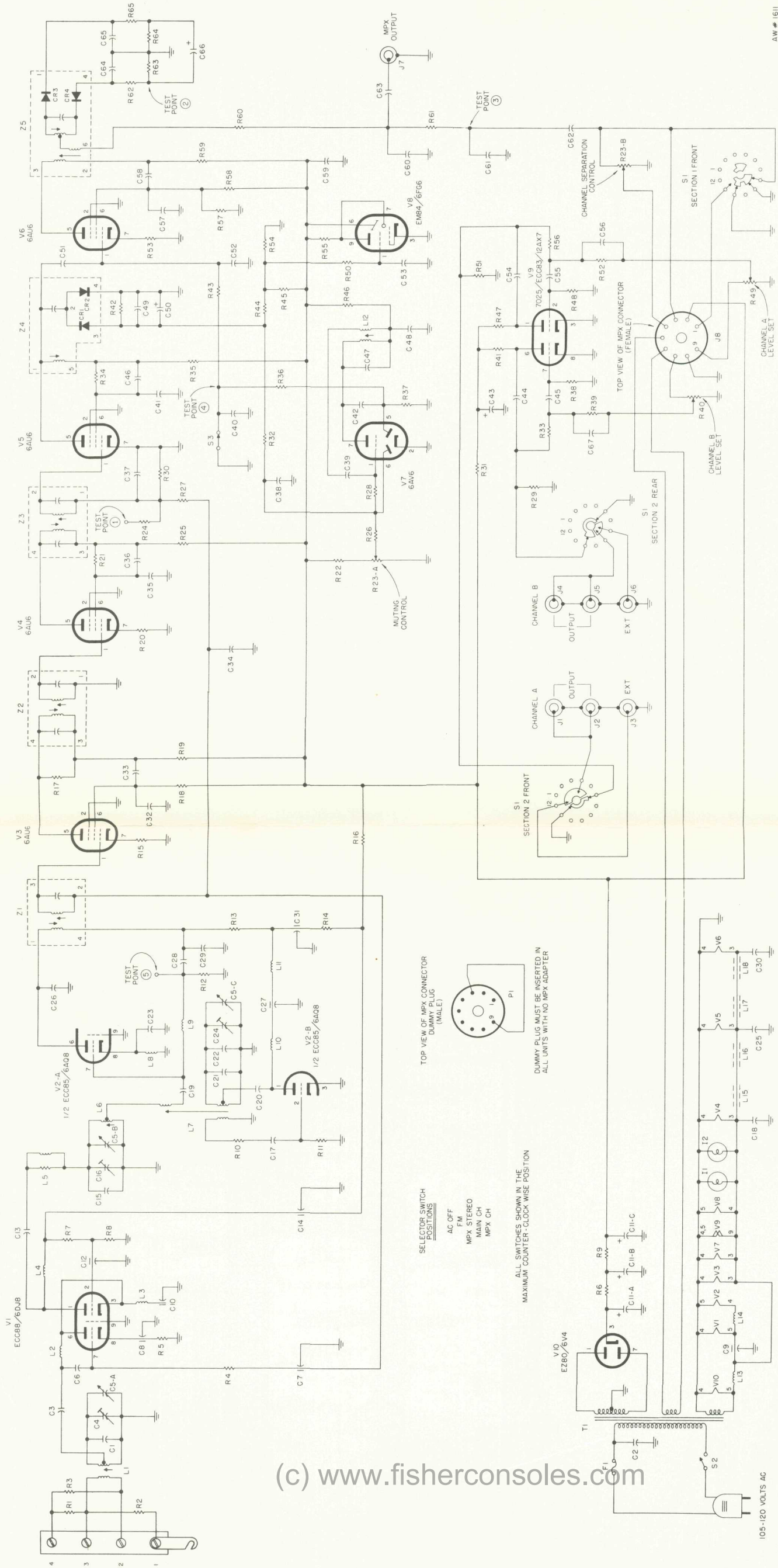
MISCELLANEOUS

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	150082-3
P1	Plug, 9 Pin	P50181
S1	Switch Selector	S746-118
S2	Switch, Power	S46-51
S3	Switch, Mufting	Part of R23

MECHANICAL PARTS

Symbol	Description	Part No.
—	Dress Panel Screened	A5746-114
—	Dial Printer	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

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RESISTORS	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19	R20	R21	R22	R23-A	R23-B	R24	R25	R26	R27	R28	R29	R30	R31	R32	R33	R34	R35	R36	R37	R38	R39	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	R66	
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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