



Stereophonic

THE FISHER 500-C

SERVICE

MANUAL



MODEL 500-C

CHASSIS SERIAL NUMBERS
FROM 30001 TO 49999 INCLUSIVE

PRICE: \$1.00

FISHER RADIO CORPORATION • NEW YORK

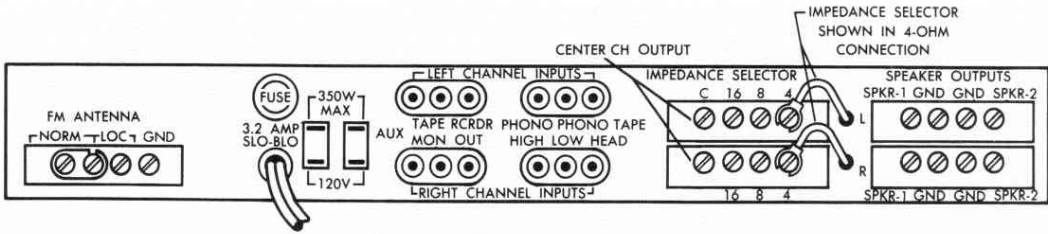
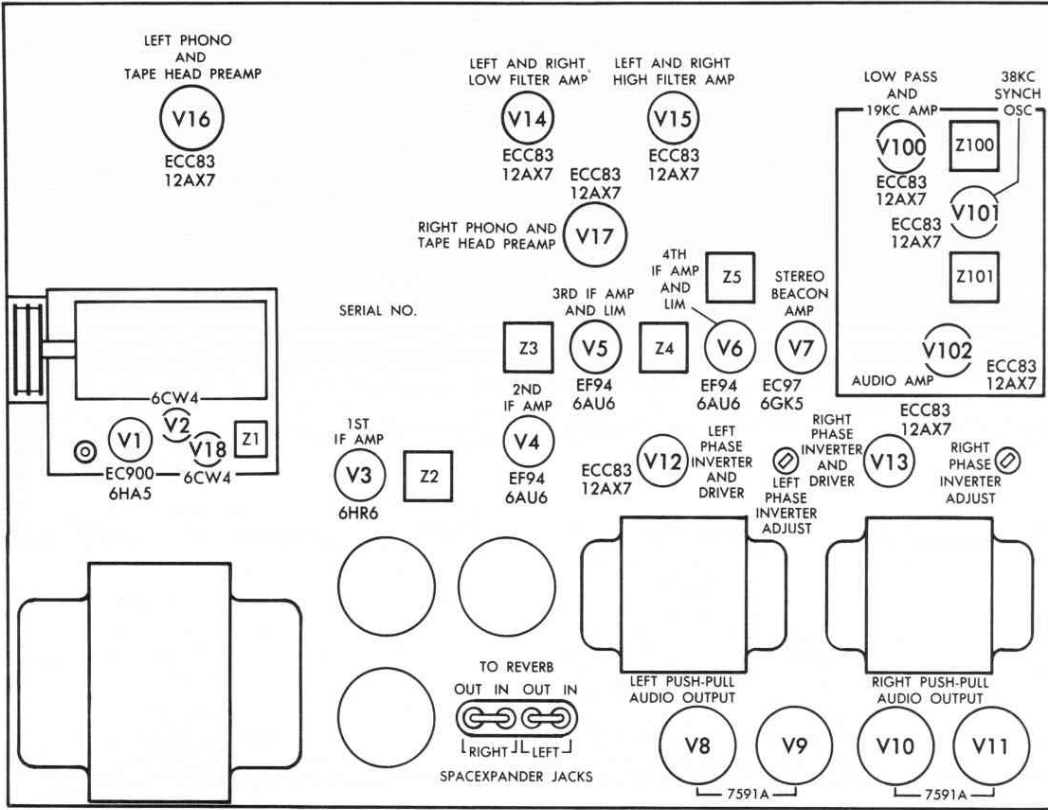


THE FISHER 500-C

CHASSIS SERIAL NUMBERS FROM 30001 TO 49999 INCLUSIVE



TUBE LAYOUT



PARTS DESCRIPTION LIST

CAPACITORS

10% tolerance for all fixed capacitors, unless otherwise noted or marked GMV (guaranteed minimum value).
All capacitors not marked uf are pF (uuf).

Symbol	Description	Part No.
C1, 2	Ceramic, 100, GMV, N1500, 1000V	C50070-5
C3	Ceramic, 21, 5%, N750, 1000V	C50070-32
C4	Ceramic, 8, 5%, NPO, 1000V	C50070-45
C5	Ceramic Trimmer	C662-123
C6	Ceramic, 1000, GMV, 500V	C50089-2
C8	FM Variable	C966-109-1
C9	Ceramic, 1000, GMV, 500V	C50089-2
C11	Ceramic, Feedthru, 1000, GMV	C592-187
C12	Ceramic Trimmer	C662-123
C13, 14	Ceramic, .01uf, 20%, 500V	C50089-3
C15	Ceramic, 8, 5%, NPO, 1000V	C50070-45
C16, 17	Mylar, .022uf, 250V	C50197-49
C18	Ceramic, 68, 5%, N750, 1000V	C50070-35
C19	Ceramic Trimmer	C662-123
C20	Ceramic, 24, 5%, N150, 1000V	C50070-8
C21	Ceramic, 100, 5%, N1500, 1000V	C50070-19
C22, 23	Ceramic, 100, N1500, 1000V	C50070-6
C24	Ceramic, 8, ±.5, N330, 500V	CC205J08005
C26	Ceramic, 1000, 1000V	C50072-3
C27, 28	Ceramic, Feedthru, 1000, GMV	C592-187
C29	Ceramic, .02uf, +80 — 20%, 500V	C50089-4
C30	Ceramic, 120, N1500, 1000V	C50070-9
C31	Ceramic, 24, 5%, N150, 1000V	C50070-8
C32	Ceramic, 120, N1500, 1000V	C50070-9
C33	Ceramic, 24, 5%, N150, 1000V	C50070-8
C34	Ceramic, 5000, +80 — 20%, 500V	C50089-6
C35, 36	Ceramic, 1000, 1000V	C50072-3
C37	Ceramic, 2700, 1000V	C50072-17
C38	Ceramic, 2200, 1000V	C50072-5
C39	Ceramic, .02uf, 20%, 500V	C50089-5
C40	Ceramic, 2200, 1000V	C50072-5
C41	Ceramic, .02uf, 20%, 500V	C50089-5
C42	Ceramic, 5000, +80 — 20%, 500V	C50089-6
C43	Ceramic, .02uf, GMV, 1000V	C50071-6
C44, 45	Ceramic, 5000 +80 — 20%, 500V	C50089-6
C46	Ceramic, 2700, 1000V	C50072-17
C47, 48	Ceramic, 100, 5%, N1500, 1000V	C50070-19
C49	Ceramic, 24, 5%, N150, 1000V	C50070-8
C50	Ceramic, .02uf, +80 — 20%, 500V	C50089-4
C51	Electrolytic, 2uf, 70V	C721-142
C52, 53	Mylar, .047uf, 400V	C50197-30
C54, 55	Ceramic, 820, 1000V	C50072-7
C56	Ceramic, 2700, 1000V	C50072-17
C57	Electrolytic, 5uf, 350V	C50283-7
C58	Ceramic, 5000, +80 — 20%, 500V	C50089-6
C59	Mylar, .1uf, 125V	C50435-7
C60	Ceramic, 560, 1000V	C50072-14
C61	Mylar, 1uf, 125V	C50435-7
C62	Ceramic, 5000, +80 — 20%, 500V	C50089-6
C63	Ceramic, 68, N2200, 1000V	C50070-12
C64, 65	Ceramic, .02uf, 20%, 500V	C50089-5
C66	Ceramic, 2700, 1000V	C50072-17
C67	Ceramic, 5000, +80 — 20%, 500V	C50089-6
C68	Polystyrene, 1800, 5%, 125V	CP50394-11
C69, 70	Electrolytic, 50uf, 10V	C50283-6
C71	Ceramic, 330, 1000V	C50072-1
C72	Mylar, .1uf, 125V	C50435-7
C75, 76	Ceramic, 330, 1000V	C50072-1
C77	Mylar, .047uf, 630V	C50197-101
C78	Mylar, .047uf, 250V	C50197-52
C79	Mylar, .047uf, 630V	C50197-101

C80	Mylar, .047uf, 250V	C50197-52
C81	Ceramic, 1000, 1000V	C50072-3
C82	Ceramic, 18, N470, 1000V	C50070-13
C83	Ceramic, 1000, 1000V	C50072-3
C84	Ceramic, 18, N470, 1000V	C50070-13
C85	Electrolytic, Buf, 50V	C629-138
C86	Mylar, .1uf, 125V	C50435-7
C89, 90	Ceramic, 5000, +80 — 20%, 500V	C50089-6
C91	Electrolytic, 4 Section:	C50180-49
	A — 20uf, 300V	
	B — 40uf, 400V	
	C — 40uf, 450V	
	D — 40uf, 500V	
C92	Electrolytic, 4 Section:	C50180-48
	A — 50uf, 250V	
	B — 50uf, 250V	
	C — 50uf, 250V	
	D — 200uf, 250V	
C93, 94, 95, 96	Ceramic, 5000, +80 — 20%, 500V	C50089-6
C97	Electrolytic, 2 Section:	C50180-38
	A — 1000uf, 35V	
	B — 1000uf, 35V	
C98	Electrolytic, 200uf, 250V	C50180-20
C99, 100, 101	Ceramic, 5000, +80 — 20%, 500V	C50089-6
C102, 103	Molded, .01uf, 20%, 600V	C2747
C104, 105	Ceramic, Feedthru, 1000, GMV	C592-187
C106	Ceramic, 68, N2200, 1000V	C50070-12
C107	Mylar, .1uf, 125V	C50435-7

RESISTORS AND POTENTIOMETERS

In ohms, 5% tolerance, 1/8 Watt unless otherwise noted. K=Kilohm, M=Megohm.

Symbol	Description	Part No.
R1	Composition, 270, 10%, 1/2 W	RC20BF271K
R2	Composition, 100K, 10%, 1/2 W	RC20BF104K
R3	Dep. Carbon, 220K	R12DC224J
R4	Dep. Carbon, 150K	R12DC154JD
R5	Dep. Carbon, 68K	R12DC683J
R6	Dep. Carbon, 150K	R12DC154J
R7	Dep. Carbon, 68K	R12DC683J
R8	Dep. Carbon, 220K	R12DC224J
R10	Dep. Carbon, 10K	R12DC103J
R11	Dep. Carbon, 100K	R12DC104J
R12	Glass, 2.7K, 1/2 W	R20G272J
R13	Dep. Carbon, 10	R12DC100J
R14	Dep. Carbon, 10K	R12DC103J
R15	Dep. Carbon, 100K	R12DC104J
R16	Glass, 2.7K, 1/2 W	R20G272J
R17	Dep. Carbon, 10	R12DC100J
R18, 19	Glass, 330K, 1W	R30G334J
R20	Dep. Carbon, 220K	R12DC224J
R21	Dep. Carbon, 4.7M, 1/2 W	R33DC475J
R22	Dep. Carbon, 220K, 1/2 W	R33DC224J
R23	Dep. Carbon, 4.7M, 1/2 W	R33DC475J
R24	Dep. Carbon, 220K, 1/2 W	R33DC224J
R25, 26	Dep. Carbon, 330K	R12DC334J
R27	Dep. Carbon, 390	R12DC391J
R28	Dep. Carbon, 220K	R12DC224J
R29, 30	Dep. Carbon, 82K	R12DC823J
R31	Dep. Carbon, 1.2K	R12DC122J
R32	Dep. Carbon, 1K	R12DC102J
R33, 34	Dep. Carbon, 330K	R12DC334J
R35	Dep. Carbon, 56K	R12DC563J
R36	Glass, 4.7K, 10%, 3W	RPG3W472K
R37	Composition, 3.3K, 10%, 1W	RC30BF332
R38, 39	Dep. Carbon, 470K	R12DC474J
R40	Dep. Carbon, 2.7M, 1/2 W	R33DC275J

PARTS DESCRIPTION LIST

R41, 42 Dep. Carbon, 1.5M, 1/2 W
R43 Composition, 180, 10%, 1/2 W
R44 Dep. Carbon, 120K, 1/2 W
R45 Dep. Carbon, 1K, 1/2 W
R46 Dep. Carbon, 120K, 1/2 W
R47 Dep. Carbon, 2.7M, 1/2 W
R48 Dep. Carbon, 1K, 1/2 W
R49 Dep. Carbon, 39K
R50 Composition, 27K, 10%, 1/2 W
R51 Composition, 1K, 10%, 1/2 W
R52 Dep. Carbon, 680K
R53 Potentiometer, 500K, Dual Treble
R54 Potentiometer, 500K, Dual Bass
R55 Dep. Carbon, 680K
R58 Dep. Carbon, 1K
R59 Composition, 150, 10%, 1/2 W
R60 Composition, 10K, 10%, 1/2 W
R61 Composition, 100, 10%, 1/2 W
R62 Composition, 47K, 10%, 1/2 W
R63 Composition, 1K, 10%, 1/2 W
R64 Dep. Carbon, 680K
R66 Dep. Carbon, 120K, 1/2 W
R67 Dep. Carbon, 1K, 1/2 W
R68 Dep. Carbon, 120K, 1/2 W
R69 Dep. Carbon, 1K, 1/2 W
R70 Dep. Carbon, 2.2M, 1/2 W
R71 Dep. Carbon, 820K
R72, 73 Dep. Carbon, 220K
R74 Dep. Carbon, 68K
R75 Dep. Carbon, 270K
R76 Dep. Carbon, 56K
R77 Dep. Carbon, 150K
R78, 79 Dep. Carbon, 2.7M, 1/2 W
R80 Composition, 100, 10%, 1/2 W
R81 Dep. Carbon, 22K
R82 Composition, 82K, 10%, 1/2 W
R83 Dep. Carbon, 470K, 1/2 W
R84 Potentiometer, 300K, Dual Balance
R85 Composition, 220, 10%, 1/2 W
R86 Composition, 1K, 10%, 1/2 W
R87 Dep. Carbon, 180
R88, 89 Dep. Carbon, 820K
R90 Dep. Carbon, 47K
R91, 92 Dep. Carbon, 22K
R93, 94 Dep. Carbon, 820K
R95 Potentiometer, 500K, Dual Volume
R96 Wirewound, 25, 10%, 5W
R97 Composition, 68K, 10%, 1/2 W
R98, 99,
100 Dep. Carbon, 47K
R101 Dep. Carbon, 470K, 1/2 W
R103 Dep. Carbon, 220, 1/2 W
R104 Dep. Carbon, 470K, 1/2 W
R105 Dep. Carbon, 2.2K, 1/2 W
R106 Dep. Carbon, 220, 1/2 W
R107 Composition, 1K, 10%, 1/2 W
R108, 109 Potentiometer, 25K
R110 Composition, 270, 1/2 W
R111, 112 Dep. Carbon, 33K, 1/2 W
R113 Dep. Carbon, 180K, 1/2 W
R114 Dep. Carbon, 68K, 1/2 W
R115 Dep. Carbon, 180K, 1/2 W
R116 Dep. Carbon, 68K, 1/2 W
R117 Dep. Carbon, 2.2K, 1/2 W
R118 Composition, 1.5K, 1/2 W
R119 Composition, 1K, 1/2 W
R120 Composition, 220, 10%, 1/2 W
R121, 122,
123 Dep. Carbon, 330K
R125 Dep. Carbon, 15K
R126, 127 Dep. Carbon, 1K, 1/2 W

R33DC155J
RC20BF181K
R33DC124J
R33DC102J
R33DC124J
R33DC275J
R33DC102J
R12DC393J
RC20BF273K
RC20BF102K
R12DC684J
R50150-101-2
R50160-101-2
R12DC684J
R12DC102J
RC20BF151K
RC20BF103K
RC20BF101K
RC20BF473K
RC20BF102K
R12DC684J
R33DC124J
R33DC102J
R33DC124J
R33DC102J
R33DC225J
R12DC824J
R12DC224J
R12DC683J
R12DC274J
R12DC563J
R12DC154J
R33DC275J
RC20BF101K
R12DC223J
RC20BF823K
R12DC474J
R50160-130
RC20BF221K
RC20BF102K
R12DC181J
R12DC824J
R12DC473J
R12DC223J
R12DC824J
R50160-104
R688-117
RC20BF683K
R12DC473J
R33DC474J
R33DC221J
R33DC474J
R33DC222J
R33DC221J
RC20BF102K
R50103-2
RC20BF271J
R33DC333J
R33DC184J
R33DC683J
R33DC184J
R33DC683J
R33DC222J
RC20BF152J
RC20BF102J
RC20BF221K
R12DC334J
R12DC153J
R33DC102J

R128 Dep. Carbon, 2.2K, 1/2 W
R129, 130 Dep. Carbon, 1K, 1/2 W
R131 Dep. Carbon, 15K, 1/2 W
R132 Dep. Carbon, 5.6K, 1/2 W
R133 Composition, 82K, 10%, 1/2 W
R135 Composition, 2.7K, 10%, 1W
R136 Glass, 470, 10%, 3W
R139 Composition, 1.2K, 10%, 1W
R140 Wirewound, 25, 10%, 5W
R142 Wirewound, 15, 10%, 5W
R143 Glass, 1.2K, 10%, 7W
R144 Glass, 470, 10%, 3W
R145, 146 Composition, 330, 10%, 1W
R149 Composition, 820K, 10%, 1/2 W

R33DC222J
R33DC102J
R33DC153J
R33DC562J
RC20BF823K
RC30BF272K
PG3W471K
RC30BF122K
R688-117
R719-106
PG7W122K
PG3W471K
RC30BF331K
RC20BF824K

COILS, CHOKES & TRANSFORMERS

Symbol	Description	Part No.
L1	FM Antenna Coil	L966-113
L2	FM RF Coil	L1034-113
L3	FM Mixer Coil	L966-115
L4	FM Oscillator Coil Assembly	AS966-107
L5	Choke, .68 Microhenry	L50066-1
L6, 7	Choke, 1.2 Microhenry	L50066-3
L9	Choke, 3.3 Microhenries	L50066-8
T1	Transformer Output	T991-116-1
T2	Transformer Output	T991-116-2
T3	Transformer, Power	T991-115
Z1	Transformer, FM IF	ZZ50210-42
Z2	Transformer, FM IF	ZZ50210-39
Z3	Transformer, FM IF	ZZ50210-2
Z4	FM Limiter Coil	ZZ50210-6
Z5	FM Ratio Detector	ZZ50210-9

MISCELLANEOUS

Symbol	Description	Part No.
CR1, 2, 3, 4	Diode, Silicon	V50260-10
CR5	Diode, Silicon	SR50411-1
CR6	Selenium Rectifier, Bridge	SR50253-1
CR7	Diode, Silicon	SR50411-1
F1	Fuse, 3.2 Amp, Slo-Blo	F3319
I1, 2	Lamp, #47 OF	I50009-4
I3, 4	Lamp, Dial	I50441-4
J17	Jack, Headphone	J846-120-1
M1	Meter, Tuning	M990-124
PC1, 2	Printed Circuit, Equalization	PC50187-3
PC3, 4	Printed Circuit, Tone Control	PC50187-9
PC5, 6	Printed Circuit, High Filter	PC50187-2
RL1	Relay	K50314
S1	Switch, Selector	S991-112
S2	Switch, Slide, FM Filter	S50200-5
S3	Switch, Speaker Selector	S990-130
S4	Switch, Loudness Contour	S990-129
S5, 6, 7	Switch, Slide	S50200-5
S8	Switch, Power	Part of R95
—	FM Dipole	AS50227-1
—	Dress Panel	AS991-108
—	Knob, Dummy Dual	E50324
—	Knob, Dual Rear	E50321
—	Knob, Dual Front	E50321
—	Knob, Speaker Selector	E50325-1
—	Knob, Tuning	E50325-2
—	Dial Glass	N991-107
—	Fuse Holder	X563-151