

Stereophonic



THE FISHER

400-CX

SERVICE

MANUAL



MODEL 400-CX

CHASSIS SERIAL NUMBERS
FROM 20001 TO 29999 INCLUSIVE

PRICE: \$1.00

FISHER RADIO CORPORATION • NEW YORK



CHASSIS SERIAL NUMBERS
FROM 20001 TO 29999 INCLUSIVE

THE FISHER 400-CX



PARTS DESCRIPTION LIST

CAPACITORS

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

Symbol	Description	Part No.
C1, 2	Ceramic, 39uuf, N1500, 1000V	C50070-17
C3, 4	Mylar, .022uf, 250V	C50197-49
C5, 6	Ceramic, 500uuf, 1000V	C50072-38
C7, 8	Ceramic, 750uuf, 1000V	C50072-37
C9, 10,		
11, 12	Ceramic, 1500uuf, 1000V	C50072-10
C13, 14	Mylar, .047uf, 250V	C50197-52
C15, 17	Ceramic, .05uf, +80 — 20%, 100V	C50073-2
C18, 19	Ceramic, 21uuf, 5%, N750, 1000V	C50070-32
C20, 21	Ceramic, 390uuf, 1000V	C50072-6
C22, 23	Ceramic, .01uf, 20%, 500V	C50089-3
C24, 25	Ceramic, 2200uuf, 1000V	C50072-5
C26, 27	Ceramic, 68uuf, N750, 1000V	C50070-16
C28, 29	Ceramic, 470uuf, 1000V	C50072-13
C30, 31	Ceramic, .005uf, 20%, 500V	C50089-1
C32	Electrolytic, 2 section	C50180-29
	A: 1000uf, 35V	
	B: 1000uf, 35V	
C33	Electrolytic, 4 section	C50180-10
	A: 40uf, 450V	
	B: 10uf, 450V	
	C: 10uf, 450V	
	D: 40uf, 450V	
C34	Electrolytic, 4 section	C50180-30
	A: 30uf, 350V	
	B: 10uf, 250V	
	C: 30uf, 350V	
	D: 10uf, 300V	
C35, 36	Ceramic, 1500uuf, 1000V	C50072-10
C37, 38	Ceramic, 220uuf, 1000V	C50072-20
C39	Ceramic, 12uuf, NPO, 1000V	C50070-2
C40	Ceramic, 7uuf, NPO, 1000V	C50070-20
C41, 42	Mylar, .1uf, 250V	C50197-54
C43, 44,		
45, 46	Electrolytic, 50uf, 3V	C50283-1
C47, 48	Mylar, .1uf, 250V	C50197-54
C49, 50,		
51, 52	Ceramic, 24uuf, 5%, N150, 1000V	C50070-8
C53, 54	Mylar, .033uf, 250V	C50197-51
C55, 56	Ceramic, 2700uuf, 1000V	C50072-17
C57, 58	Electrolytic, 50uf, 3V	C50283-1
C59, 60	Ceramic, 300uuf, 1000V	C50072-39
C61, 62	Ceramic, 1200uuf, 1000V	C50072-4
C63, 64	Ceramic, 1000uuf, 1000V	C50072-3
C65, 66	Ceramic, 220uuf, 1000V	C50072-20
C67, 68	Mylar, .68uf, 250V	C50197-57
C69, 70	Ceramic, 220uuf, 1000V	C50072-20
C71, 72	Mylar, .047uf, 250V	C50197-52
C73, 74	Mylar, .68uf, 250V	C50197-57
C75, 76,		
77, 78	Electrolytic, 50uf, 3V	C50283-1
C79, 80	Mylar, .68uf, 250V	C50197-57
R42, 43	Composition, 1.8M, 5%	
R44, 45	Composition, 150K, 5%	
R46, 47	Composition, 75K, 5%	
R48, 49	Dep. Carbon, 22K, 5%, 1/3 W	
R50, 51	Composition, 1M, 5%	
R52	Glass, 330, 3W	
R53	Wirewound, 8.2, 7W	
R54	Glass, 1K, 3W	
R55	Composition, 47K	
R56	Glass, 1K, 3W	
R57, 58	Composition, 2.2M, 5%	
R59	Glass, 5.6K, 3W	
R60	Glass, 1K, 3W	
R61, 62	Composition, 2.2M, 5%	
R63	Glass, 4.7K, 3W	
R64, 65	Composition, 2.2M, 5%	
R66, 67	Composition, 2.7M, 5%	
R68	Composition, 15K	
R69, 70	Composition, 1.5K	
R71, 72	Dep. Carbon, 220K, 5%, 1/3 W	
R73, 74	Composition, 1M, 5%	
R75, 76	Dep. Carbon, 220K, 5%, 1/3 W	
R77, 78	Dep. Carbon, 2.7K, 5%, 1/3 W	
R79, 80	Dep. Carbon, 100K, 5%, 1/3 W	
R81, 82	Dep. Carbon, 470K, 5%, 1/3 W	
R83	Potentiometer, dual, 250K, balance	
R84, 85,		
86, 87	Dep. Carbon, 470K, 5%, 1/3 W	
R88	Composition, 33	
R89, 90	Composition, 2.7M, 5%	
R91, 92	Composition, 2.2M, 5%	
R93, 94	Dep. Carbon, 470K, 5%, 1/3 W	
R95	Potentiometer, dual, 1M, dimension	
R96	Dep. Carbon, 470K, 5%, 1/3 W	
R97, 98	Dep. Carbon, 120K, 5%, 1/3 W	
R99, 100	Composition, 1.8K	
R101, 102,		
103, 104,		
105, 106	Dep. Carbon, 47K, 5%, 1/3 W	
R107, 108	Composition, 68K, 10%, 1W	
R109, 110	Dep. Carbon, 470K, 5%, 1/3 W	
R111, 112	Dep. Carbon, 10K, 5%, 1/3 W	
R113	Dep. Carbon, 220K, 5%, 1/3 W	
R114	Dep. Carbon, 100K, 5%, 1/3 W	
R115	Dep. Carbon, 220K, 5%, 1/3 W	
R116, 117	Dep. Carbon, 2.7K, 5%, 1/3 W	
R118, 119	Dep. Carbon, 22K, 5%, 1/3 W	
R120	Potentiometer, dual, 100K, volume	
R121	Dep. Carbon, 470K, 5%, 1/3 W	
R122	Potentiometer, dual, 1M, bass	
R123	Potentiometer, dual, 500K, treble	
R124	Potentiometer, 500K, center volume	
R125, 126	Dep. Carbon, 270K, 5%, 1/3 W	
R127, 128	Composition, 1.5K	
R129, 130	Composition, 180K	
R131, 132	Composition, 68K, 1W	
RC20BF185J		
RC20BF154J		
RC20BF753J		
R33DC223J		
RC20BF105J		
RPG3W331K		
R851-121		
RPG3W102K		
RC20BF473K		
RPG3W102K		
RC20BF225J		
RPG3W562K		
RPG3W102K		
RC20BF225J		
RPG3W472K		
RC20BF225J		
RC20BF275J		
RC20BF153K		
RC20BF152K		
R33DC224J		
RC20BF105J		
R33DC224J		
R33DC272J		
R33DC104J		
R33DC474J		
R50160-65		
R33DC474J		
RC20BF330K		
RC20BF275J		
RC20BF225J		
R33DC474J		
R50160-70		
R33DC474J		
R33DC124J		
RC20BF182K		
R33DC473K		
R30BF683K		
R33DC474J		
R33DC103J		
R33DC224J		
R33DC104J		
R33DC224J		
R33DC272J		
R33DC223J		
R50160-69		
R33DC474J		
R50160-66		
R50160-67		
R50160-68		
R33DC274J		
RC20BF152K		
RC20BF184K		
R30BF683K		

RESISTORS AND POTENTIOMETERS

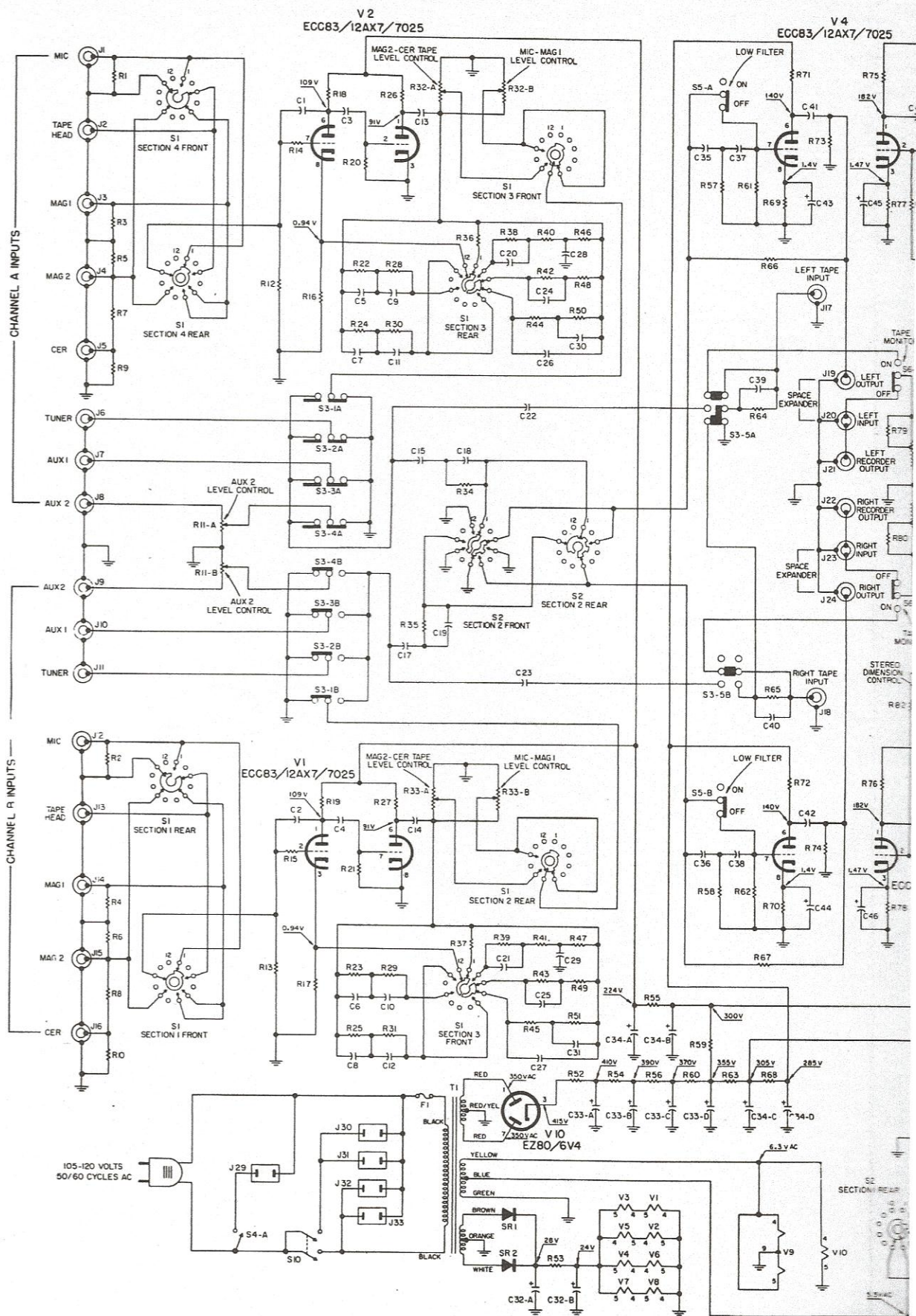
In ohms, 10% tolerance, 1/2 watt, unless otherwise noted. K=Kilohm, M=Megohm.

Symbol	Description	Part No.
R1, 2	Dep. Carbon, 120K, 5%, 1/3 W	R33DC124J
R3, 4, 5, 6	Dep. Carbon, 47K, 5%, 1/3 W	R33DC473J
R7, 8	Dep. Carbon, 120K, 5%, 1/3 W	R33DC124J
R9, 10	Dep. Carbon, 270K, 5%, 1/3 W	R33DC274J
R11	Potentiometer, dual, 250K, aux. 2 level	R50160-71
R12, 13	Dep. Carbon, 470K, 5%, 1/3 W	R33DC474J
R14, 15	Dep. Carbon, 10K, 5%, 1/3 W	R33DC103J
R16, 17	Glass, 2.7K, 5%, 1W	R30G272J
R18, 19	Glass, 330K, 5%, 1W	R30G334J
R20, 21	Composition, 3.9M, 5%	RC20BF395J
R22, 23,		
24, 25	Composition, 150K, 5%	RC20BF154J
R26, 27	Dep. Carbon, 270K, 5%, 1/3 W	R33DC274J
R28, 29	Composition, 2.2M, 5%	RC20BF225J
R30, 31	Composition, 1M, 5%	RC20BF105J
R32, 33	Potentiometer, dual, 250K, mag., 1 and 2 level	R50160-71
R34, 35	Dep. Carbon, 470K, 5%, 1/3 W	R33DC474J
R36, 37	Dep. Carbon, 330K, 5%, 1/3 W	R33DC334J
R38, 39	Composition, 2.7M, 5%	RC20BF275J
R40, 41	Composition, 75K, 5%	RC20BF753J

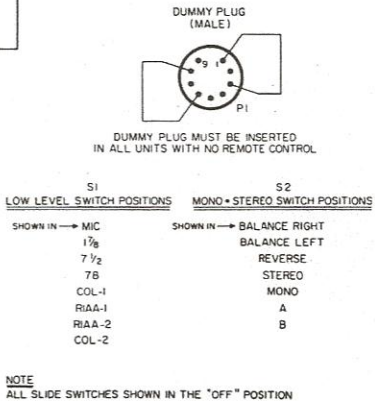
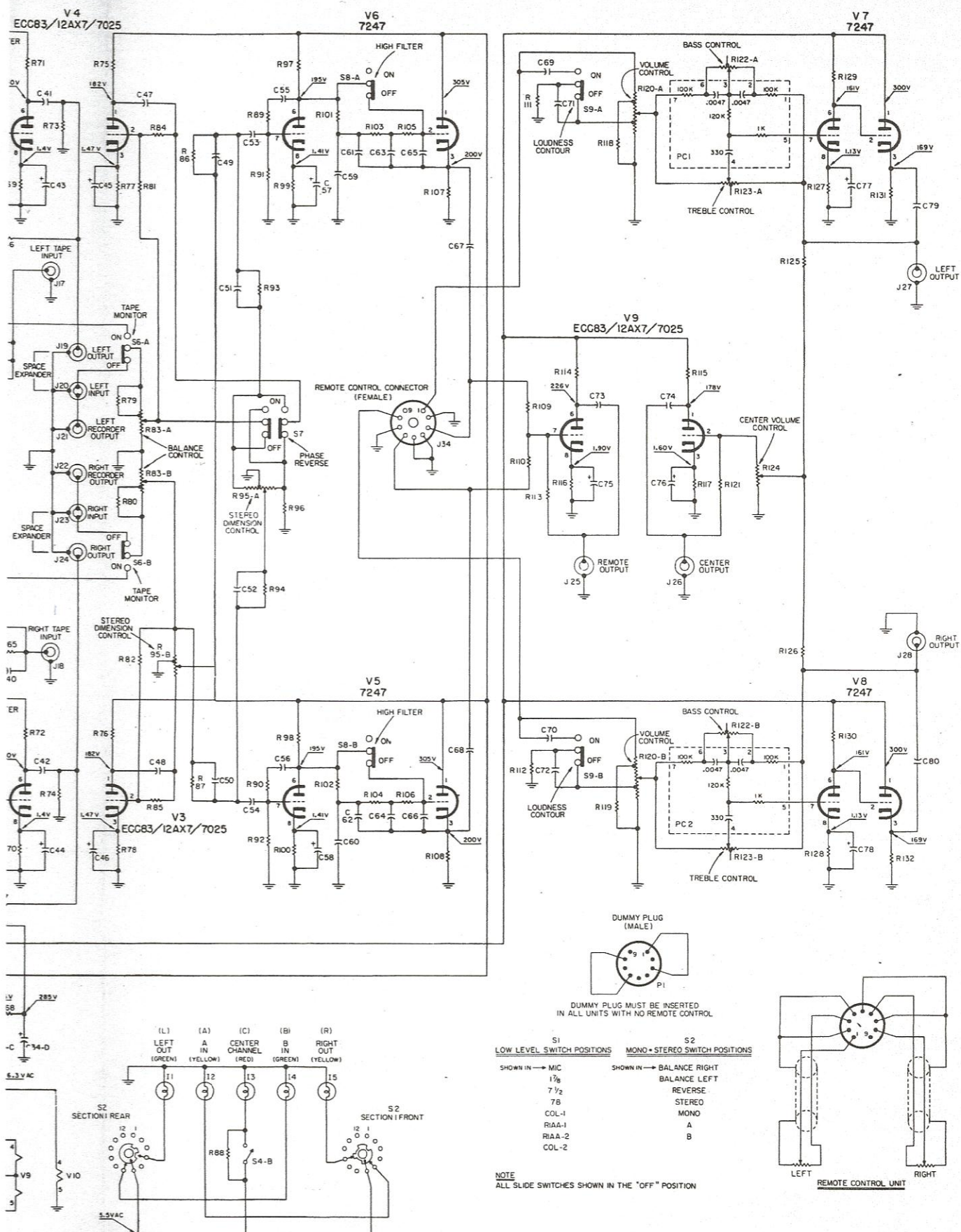
MISCELLANEOUS

Symbol	Description	Part No.
F1	Fuse, .5 amp., slo-blo	F795-136
I1, 2, 3,		
4, 5	Lamp, #47	150009-1
PC1, 2	Printed circuit tone control	PC657-140
P1	Plug, dummy	P50181
S1	Switch, low level	S851-118
S2	Switch, mono-stereo	S851-117
S3	Switch, push button	S851-119
S4	Switch, center ch., power	Part of R124
S5, 6, 7,		
8, 9	Switch, slide	S50200-5
S10	Switch, power	Part of R120
SR1, 2	Diode, silicon, SD91	SR851-121
T1	Transformer, power	T851-115
—	Dress panel	AS851-106
—	Shielded cable	AS50004-1
—	Knob, push button	E851-116
—	Knob, dual, front	E50220
—	Knob, dual, rear	E50221
—	Knob	E50224-1
—	Jewel, red	150162-1
—	Jewel, yellow	150162-2
—	Jewel, green	150162-4

SCHEMATIC DIAGRAM



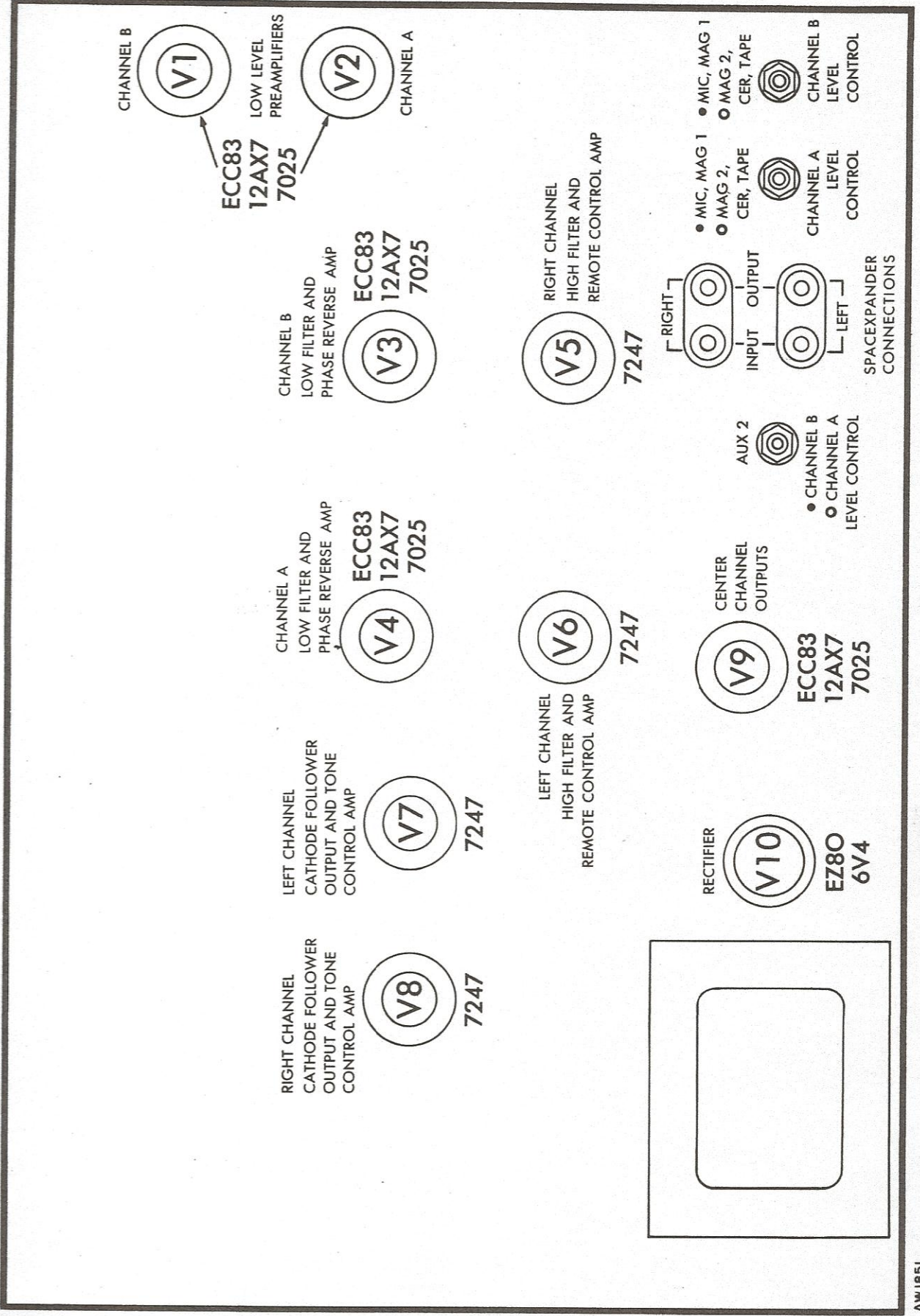
RESISTORS	R1 TO R10	R11	R12 TO R17	R18 TO R25	R26 TO R31	R32 TO R35	R36 TO R37	R38 TO R39	R40 TO R45	R46 TO R53	R54	R55 TO R56	R57 TO R60	R61 TO R63	R64 TO R70	R71 TO R74	R75 TO R78
CAPACITORS	C1	C2	C3 TO C8	C9 TO C12	C13 TO C17	C18 TO C19	C20 TO C23	C24 TO C27	C28 TO C33	C34	C35 TO C36	C37 TO C40	C41 TO C44	C45	C46		



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64 TO R74	R71	R75 TO R80	R81 TO R85	R86 R87	R88	R89 TO R95	R96 TO R100	R101 R102	R103 R104	R105 R106	R107 R108	R109 TO R113	R114 R116	R118 R119	R120	R115 R117	R121 R122 R123	R124	R125 R126	R127 TO R130	R131 R132
39 TO C44	C41	C45 TO C46	C47 C48	C49 C50	C51 C52	C53 C54	C55 C56	C57 C58	C59 C60	C61 C62	C63 C64	C65 C66	C67 C68	C69 TO C72	C73 C75	C74 C76	C77 C78	C79	C80	C81	C82

TUBE LAYOUT





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