



Stereophonic

THE FISHER 202-T

**SCHEMATIC and
PARTS LIST**



MODEL 202-T

CHASSIS SERIAL NUMBERS
FROM 10001 TO 19999 INCLUSIVE

PRICE: \$1.00

FISHER RADIO CORPORATION • NEW YORK



CHASSIS SERIAL NUMBERS
FROM 10001 TO 19999 INCLUSIVE

THE FISHER 202-T



PARTS DESCRIPTION LIST

CAPACITORS

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

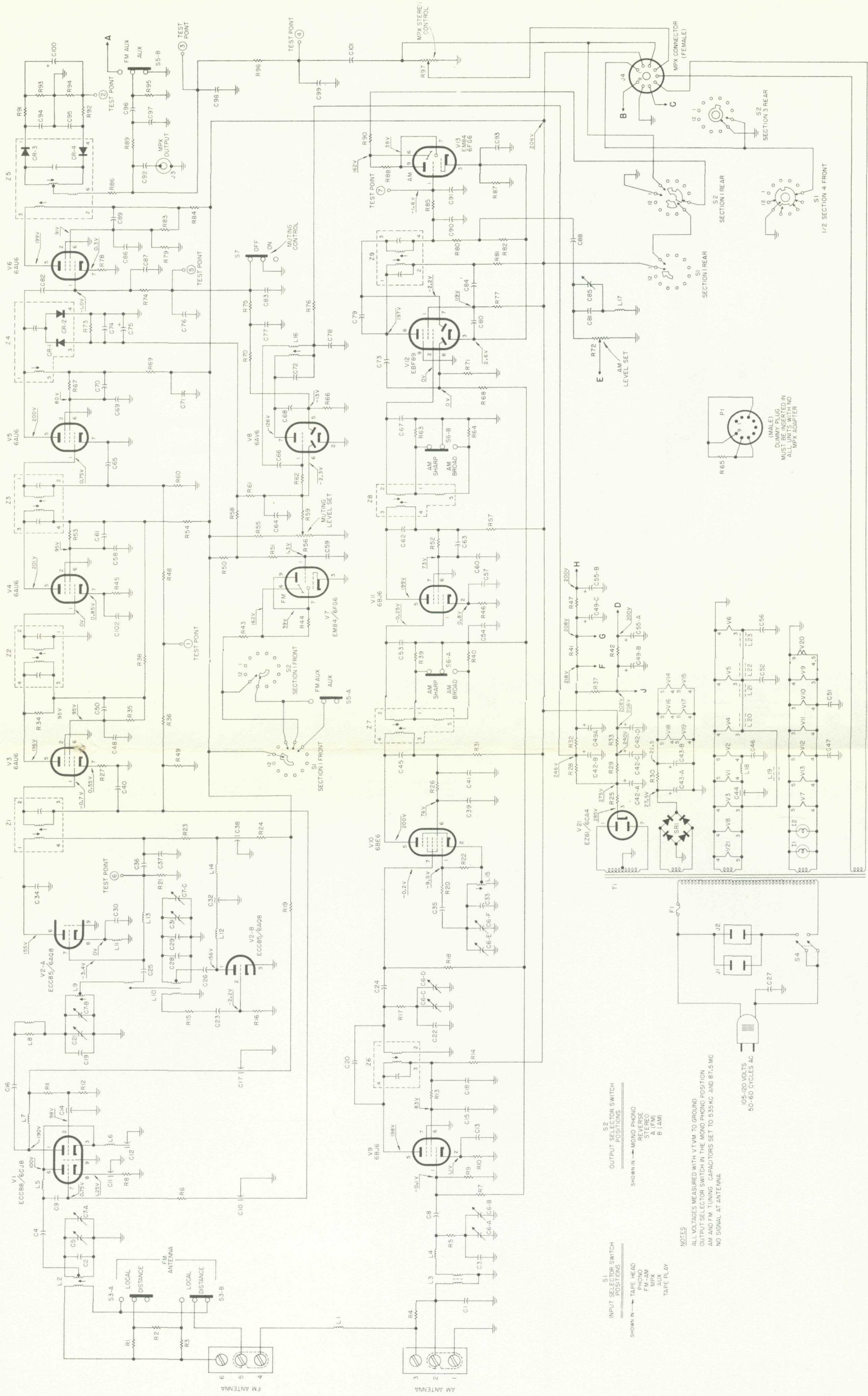
Symbol	Description	Part No.	Symbol	Description	Part No.
C1	Ceramic, 24uuf 5% 150 1000V	C50070-8	C80	Ceramic, .005uf 20%; 500V	C50089-1
C2	Ceramic, 8 uuf ± .5uuf NPO; 500V	CC20CJ080D5	C81	Ceramic, 560uuf; 1000V	C50072-14
C3	Ceramic, 5uuf ± .5uuf NPO; 500V	CC20CJO50D5	C82	Ceramic, 12uuf; NPO, 1000V	C50070-2
C4	Ceramic, 100uuf N1500; 1000V	C50070-6	C83, 84	Ceramic, .005uf 20%, 500V	C50089-1
C5	Ceramic trimmer	C662-123	C85	Mica trimmer	C629-151-5
C6	AM variable	C684-127	C86	Ceramic, .0027uf 1000V	C50072-17
C7	FM variable	C726-116	C87	Ceramic, 12uuf, NPO, 1000V	C50070-2
C8	Ceramic, 100 uuf GMV, N1500; 1000V	C50070-5	C88	Mylar, .047uf, 250V	C50197-52
C9	Ceramic, 100 uuf N1500; 1000V	C50070-6	C89	Ceramic, .005uf 20%; 500V	C50089-1
C10, 11, 12	Ceramic, Feedthru, .001 uf GMV	C592-187	C90	Ceramic, 220uf, 1000V	C50072-20
C13	Ceramic, .02uf + 80 — 20%; 500V	C50089-4	C91	Mylar, .047uf 250V	C50197-52
C14	Ceramic, Feedthru, .001 uf; GMV	C592-187	C92	Ceramic, .005uf 20%; 500V	C50089-1
C15	Ceramic, .02uf + 80 — 20%; 500V	C50089-4	C93	Ceramic, .02uf + 80 — 20%, 500V	C50089-4
C16	Ceramic, .001uf; 1000V	C50072-3	C94, 95	Ceramic, 330uuf, 1000V	C50072-1
C17	Ceramic, .02uf + 80 — 20%; 500V	C50089-4	C96	Mylar, .015uf, 250V	C50197-58
C18	Ceramic, .005uf 20%; 500V	C50089-1	C97	Ceramic, 820uuf, 5%; 500V	CC21GP821J5
C19	Ceramic, 8uuf ± .5uuf; NPO, 500V	CC20CJ080D5	C98	Ceramic, 330uuf, 1000V	C50072-1
C20	Ceramic, .68uuf, 500V	C50077-6N	C99	Ceramic, .0033uf; 1000V	C50072-11
C21	Ceramic, Trimmer	C662-123	C100	Electrolytic, 8uf, 50V	C629-138
C22	Ceramic, 10uuf ± .5uuf, NPO; 500V	CC20CJ100D5	C101	Mylar, .1uf, 250V	C50197-54
C23	Ceramic, 100uuf, N1500; 1000V	C50070-6	C102	Ceramic, .005uf, 20%; 500V	C50089-1
C24	Ceramic, 100uuf, GMV, N1500, 1000V	C50070-5	C110, 111	Ceramic, 220uuf, 1000V	C50072-20
C25	Ceramic, 68uuf, N750; 500V	CC20UJ680K5	C112, 113	Ceramic, 100uuf, GMV; 1000V	C50070-5
C26	Ceramic, 100uuf, N1500; 1000V	C50070-6	C114, 115	Mylar, .01uf, 250V	C50197-48
C27	Molded, .01uf 20%; 600V	C2747	C116, 117	Mylar, .022uf, 250V	C50197-49
C28	Ceramic, 5uuf ± .5uuf N150, 500V	CC20PJ050D5	C118, 119	Ceramic, 24uuf, 5%, N150; 1000 V	C50070-8
C29	Ceramic, 5uuf ± .5uuf N220, 500V	CC20RH050D5	C120, 121	Ceramic, 1200uuf; 1000V	C50072-4
C30	Ceramic, 47uuf N750; 1000V	C50070-4	C122	Ceramic, .0033uf; 1000V	C50072-11
C31	Ceramic, trimmer	C662-123	C123	Electrolytic, 25uf; 6V	C639-114
C32	Ceramic, feedthru .001uf GMV	C592-187	C124	Ceramic, .0033uf; 1000V	C50072-11
C33	Ceramic, 10uuf ± .5uuf NPO; 500V	CC20CJ100D5	C125	Electrolytic, 25uf, 6V	C639-114
C34	Ceramic, 24uuf 5%; N150; 1000V	C50070-8	C126, 127	Mylar, .022uf, 250V	C50197-49
C35	Ceramic, 100uuf GMV, N1500; 1000V	C50070-5	C128, 129	Ceramic, .005uf, 20%; 500V	C50089-1
C36	Ceramic, 100uuf 5%, N1500; 1000V	C50070-19	C130, 131	Mylar, .68uf; 250V	50197-57
C37	Ceramic, .001uf, 1000V	C50072-3	C132, 133	Mylar, .027uf, 250V	50197-50
C38	Ceramic, feedthru .001 uf GMV	C592-187	C134, 135	Ceramic, 330uuf; 1000V	C50072-11
C39, 40	Ceramic, .02uf + 80 — 20% 500V	C50089-4	C136	Ceramic, 56uuf, N1500; 1000V	C50070-22
C41	Ceramic, .005uf 20%; 500V	50089-1	C137	Ceramic, 47uuf, N750; 1000V	C50070-4
C42	Electrolytic four section:	C50180-3	C138, 139	Mylar, .1uf; 250V	C50197-54
	A 40uf 350V		C140	Electrolytic, 25uf, 6V	C639-114
	B 40uf 300V		C141	Ceramic, .001uf; 1000V	C50072-3
	C 40uf 300V		C142	Electrolytic, 25uf; 6V	C639-114
	D 40uf 250V		C143	Ceramic, .001uf; 100V	C50072-3
C43	Electrolytic to section:	C50180-7	C144, 145	Electrolytic, 25uf; 6V	C639-114
	A 1000uf 30V		C146, 147	Mylar, .1uf; 250V	C50197-54
	B 1000uf 30V		C148, 149	Ceramic, .02uf + 80 — 20%; 500V	C50089-4
C44	Ceramic feedthru .001uf GMV	C592-187	C150, 151, 152, 153, 154	Mylar, .1uf; 250V	C50197-54
C45	Mica, 470uuf 5%, 300V	C3334			
C46, 47	Ceramic, .005uf 20%; 500V	C50089-1			
C48	Ceramic, .0027uf, 1000V	C50072-17			
C49	Electrolytic, three section:	C50180-4			
	A 40uf 250V				
	B 40uf 250V				
	C 40uf 250V				
C50, 51, 52	Ceramic, .005uf 20%; 500V	C50089-1			
C53	Mica, 470uuf, 5%; 300V	C3334			
C54	Mylar, .047 uf; 250V	C50197-52			
C55	Electrolytic, two section:	C50180-5			
	A 40uf 250V				
	B 40uf 250V				
C56	Ceramic, .005uf 20%; 500V	C50089-1			
C57	Ceramic, .02uf + 80 — 20%; 500V	C50089-4			
C58	Ceramic, .0027uf, 1000V	C50072-17			
C59	Ceramic, .02uf + 80 — 20%; 500V	C50089-4			
C60, 61	Ceramic, .005uf 20%; 500V	C50089-1			
C62	Mica, 470 uuf 5%; 300V	C3334			
C63, 64	Ceramic, .005uf, 20%, 500V	C50089-1			
C65	Ceramic, 47uuf, N750; 1000V	C50070-4			
C66	Ceramic, 220uuf 1000V	C50072-20			
C67	Mica, 470uuf 5%; 300V	C3334			
C68	Ceramic, 220 uuf, 1000V	C50072-20			
C69	Ceramic, .0027uf; 1000V	C50072-17			
C70	Ceramic, .005uf 20%; 500V	C50089-1			
C71	Ceramic, .02uf + 80 — 20%; 500V	C50089-4			
C72	Ceramic, 5uuf ± .5uuf, NPO; 500V	CC20CJ050D5			
C73	Ceramic, 24uuf, 5%; 1000V	C50070-8			
C74	Ceramic, .005uf 20%; 500V	C50089-1			
C75	Electrolytic, 2uf; 70V	C721-142			
C76	Mylar, .1uf 10%; 250V	C50197-54			
C77, 78	Ceramic, .005uf 20%; 500V	C50089-1			
C79	Ceramic, 1uf, 20% P100; 100V	C50070-1			

RESISTORS AND POTENTIOMETERS

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

Symbol	Description	Part No.
R1	Composition 330	RC20BF331K
R2	Composition 2.7K	RC20BF272K
R3	Composition 330	RC20BF331K
R4	Composition 1K	RC20BF102K
R5	Composition 4.7	RC20BF47K
R6	Composition 100K	RC20BF104K
R7	Composition 4.7M	RC20BF475K
R8	Composition 120	RC20BF121K
R9	Composition 3.3M	RC20BF335K
R10	Composition 120	RC20BF121K
R11, 12	Composition 330K	RC20BF334K
R13	Composition 47K	RC20BF473K
R14	Composition 1K	RC20BF102K
R15	Composition 22	RC20BF220K
R16	Composition 2.2K	RC20BF222K
R17	Composition 4.7	RC20BF47K
R18	Composition 820K	RC20BF824K
R19	Composition 1K	RC20BF102K
R20	Composition 100	RC20BF101K
R21	Composition 470K	RC20BF474K
R22	Composition 22K	RC20BF223K
R23	Composition 1K	RC20BF102K
R24	Composition 2.2K, 1W	RC30BF222K
R25	Wirewound 100W	R592-185
R26	Composition 22K; 1W	RC30BF223K
R27	Composition 120	RC20BF121K
R28	Composition 1.2K; 1W	RC30BF122K
R29	Wirewound 400, 5%; 5W	R621-130
R30	Wirewound 12, 5W	R721-141
R31	Composition 1K	RC20BF102K

SCHEMATIC DIAGRAM • FM-AM TUNING SECTIONS



NOTES
 ALL VOLTAGES MEASURED WITH VTVM TO GROUND
 OUTPUT SELECTOR SWITCH IN THE MONO PHONO POSITION
 AM AND FM TUNING CAPACITORS SET TO 53.5 KC AND 87.5 MC
 NO SIGNAL AT ANTENNA

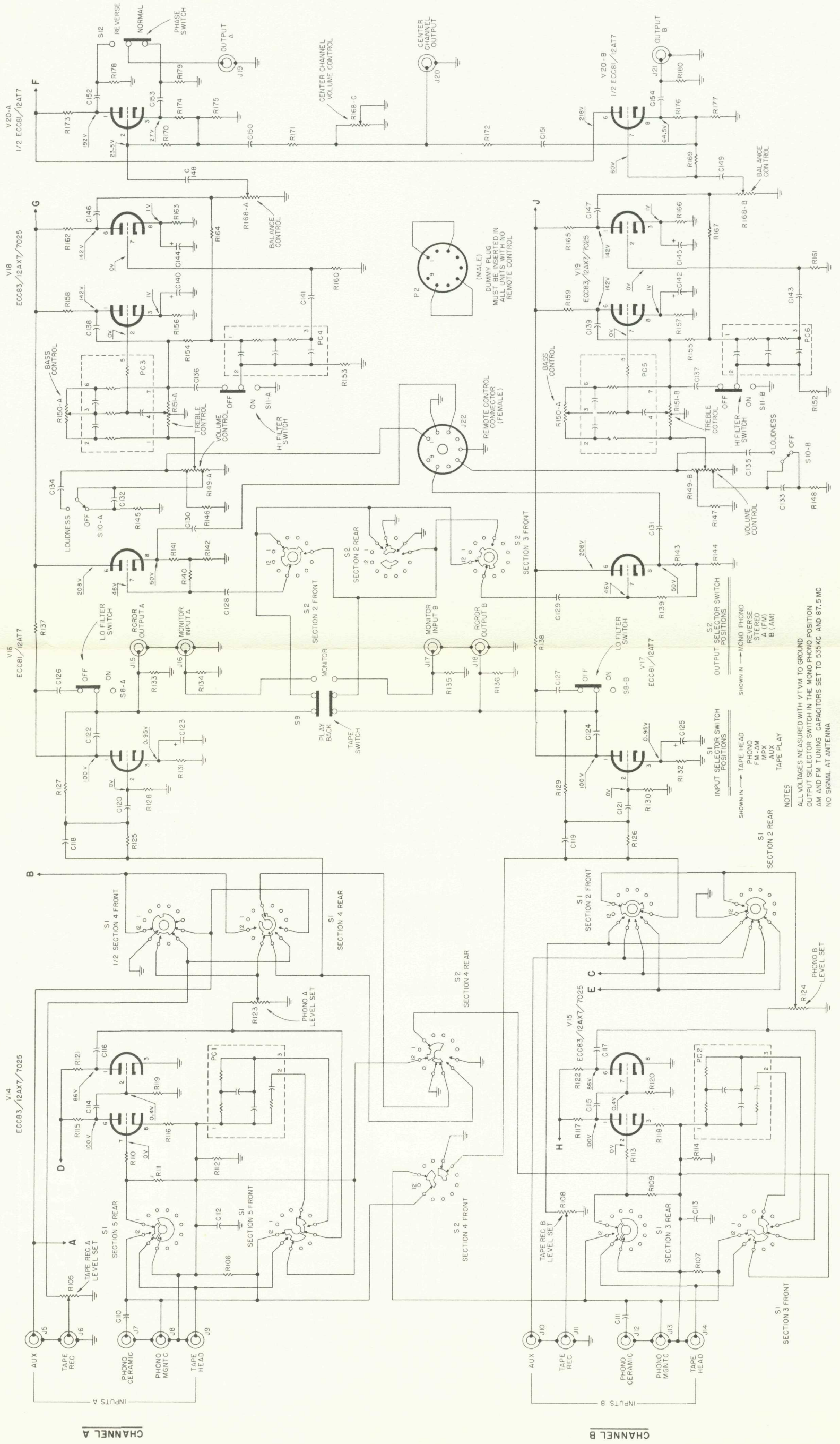
INPUT SELECTOR SWITCH POSITIONS
 SHOWN IN → TAPE HEAD
 PHONO
 REVERSE
 S
 A (FM)
 B (AM)
 TAPE PLAY

OUTPUT SELECTOR SWITCH POSITIONS
 SHOWN IN → MONO PHONO
 REVERSE
 S
 A (FM)
 B (AM)



R1	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19	R20	R21	R22	R23	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	R67	R68	R69	R70	R71	R72	R73	R74	R75	R76	R77	R78	R79	R80	R81	R82	R83	R84	R85	R86	R87	R88	R89	R90	R91	R92	R93	R94	R95	R96	R97	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	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	C67	C68	C69	C70	C71	C72	C73	C74	C75	C76	C77	C78	C79	C80	C81	C82	C83	C84	C85	C86	C87	C88	C89	C90	C91	C92	C93	C94	C95	C96	C97	C98	C99	C100
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SCHEMATIC DIAGRAM • PREAMPLIFIER



NOTES:
 ALL VOLTAGES MEASURED WITH VT VM TO GROUND
 OUTPUT SELECTOR SWITCH IN THE MONO PHONO POSITION
 AM AND FM TUNING CAPACITORS SET TO 535KC AND 87.5 MC
 NO SIGNAL AT ANTENNA

RESISTORS	CAPACITORS
R105	C110
R106	C111
R107	C112
R108	C113
R109	C114
R110	C115
R111	C116
R112	C117
R113	R123
R114	R124
R115	R118
R116	R119
R117	R120
R118	R121
R119	R122
R120	R125
R121	C122
R122	C123
R123	C124
R124	C125
R125	C126
R126	C127
R127	C128
R128	C129
R129	C130
R130	C131
R131	C132
R132	C133
R133	C134
R134	C135
R135	C136
R136	C137
R137	C138
R138	C139
R139	C140
R140	C141
R141	C142
R142	C143
R143	C144
R144	C145
R145	C146
R146	C147
R147	C148
R148	C149
R149	C150
R150-A	C151
R150-B	C152
R151-A	C153
R151-B	C154
R152	C155
R153	C156
R154	C157
R155	C158
R156	C159
R157	C160
R158	
R159	
R160	
R161	
R162	
R163	
R164	
R165	
R166	
R167	
R168-A	
R168-B	
R168-C	
R169	
R170	
R171	
R172	
R173	
R174	
R175	
R176	
R177	
R178	
R179	
R180	

Symbol	Description	Part No.	Symbol	Description	Part No.
R32	Composition 1.2K, 1W	RC30BF122K	R137, 138	Composition 47K	RC20BF473K
R33	Wirewound 400, 5%; 5W	R621-130	R139, 140	Composition 470K	RC20BF474K
R34	Composition 47K	RC20BF473K	R141	Composition 220	RC20BF221K
R35	Composition 82K	RC20BF823K	R142	Composition 10K	RC20BF103K
R36	Composition 1.8M	RC20BF185K	R143	Composition 220	RC20BF221K
R37, 38	Composition 1K	RC20BF102K	R144, 145	Composition 10K	RC20BF103K
R39, 40	Composition 270	RC20BF271K	R146, 147	Composition 22K	RC20BF223K
R41	Composition 1K	RC20BF102K	R148	Composition 10K	RC20BF103K
R42	Composition 10K	RC20BF103K	R149	Potentiometer, dual, 100K, volume	R50160-29
R43	Composition 68K	RC20BF683K	R150	Potentiometer, dual, 1M, Bass	R50160-30
R44	Composition 470K	RC20BF474K	R151	Potentiometer, dual, 500K, treble	R50160-28
R45	Composition 120	RC20BF121K	R152, 153	Composition 10M	RC20BF105K
R46	Composition 100	RC20BF101K	R154, 155	Composition 470K	RC20BF474K
R47	Composition 10K	RC20BF103K	R156, 157	Composition 1.8K	RC20BF182K
R48	Composition 100K	RC20BF104K	R158, 159	Composition 100K	RC20BF104K
R49	Composition 1.8M	RC20BF185K	R160, 161	Composition 2.2M	RC20BF225K
R50	Composition 15M	RC20BF156K	R162	Composition 100K	RC20BF104K
R51	Composition 3.3M	RC20BF335K	R163	Composition 1.8K	RC20BF182K
R52	Composition 68K	RC20BF683K	R164	Composition 3.3M	RC20BF335K
R53	Composition 56K	RC20BF563K	R165	Composition 100K	RC20BF104K
R54	Composition 470	RC20BF471K	R166	Composition 1.8K	RC20BF182K
R55	Composition 820K	RC20BF824K	R167	Composition 3.3M	RC20BF335K
R56	Potentiometer 250K; muting	R50160-3	R168	Potentiometer, triple, 500K, balance 250K, center ch. volume	R50160-31
R57	Composition 1K	RC20BF102K	R169, 170	Composition 1M	RC20BF105K
R58	Composition 220K	RC20BF224K	R171, 172	Composition 68K	RC20BF683K
R59	Composition 470K	RC20BF474K	R173	Composition 6.8K	RC20BF683K
R60	Composition 47K	RC20BF473K	R174	Composition 680	RC20BF681K
R61	Composition 150K	RC20BF154K	R175	Composition 6.8K	RC20BF682K
R63	Composition 100K	RC20BF104K	R176	Composition 680	RC20BF681K
R63, 64	Composition 270	RC20BF271K	R177	Composition 6.8K	RC20BF682K
R65	Composition 1.2M	RC20BF125K	R178, 179,	Composition 470K	RC20BF474K
R66	Composition 100K	RC20BF104K	180		
R67	Composition 82K	RC20BF823K			
R68	Composition 2.2M	RC20BF225K			
R69	Composition 1K	RC20BF102K			
R70	Composition 220K	RC20BF224K			
R71	Composition 820K	RC20BF824K			
R72	Potentiometer 250K, AM level set	R50160-3			
R73	Composition 15K	RC20BF153K			
R74	Composition 220K	RC20BF224K			
R75	Composition 1K	RC20BF102K			
R76	Composition 220K	RC20BF224K			
R77	Composition 27K	RC20BF273K			
R78	Composition 100	RC20BF101K			
R79	Composition 18K	RC20BF183K			
R80	Composition 47K	RC20BF473K			
R81	Composition 1K	RC20BF102K			
R82	Composition 47K	RC20BF473K			
R83	Composition 22K	RC20BF223K			
R84	Composition 1K	RC20BF102K			
R85	Composition 3.3M	RC20BF335K			
R86	Composition 270	RC20BF271K			
R87	Composition 180	RC20BF181K			
R88	Composition 470K	RC20BF474K			
R89	Composition 100K	RC20BF104K			
R90	Composition 68K	RC20BF683K			
R91	Composition 1.5K	RC20BF152K			
R92	Composition 1K	RC20BF102K			
R93, 94	Composition 6.8K	RC20BF682K			
R95	Composition 330K	RC20BF334K			
R96	Composition 33K	RC20BF333K			
R97	Potentiometer 100K, MPX, Control	R50160-20			
R105	Potentiometer 250K, Tape rec. level ch. A	R50160-3			
R106, 107	Composition 82K	RC20BF823K			
R108	Potentiometer, 250K, Tape rec. level ch. B	R50160-3			
R109	Composition 100K	RC20BF104K			
R110	Composition 10K	RC20BF103K			
R111	Composition 100K	RC20BF104K			
R112	Composition 10	RC20BF100K			
R113	Composition 10K	RC20BF103K			
R114	Composition 10	RC20BF100K			
R115	Composition 330K, 1W	RC30BF334K			
R116	Composition 2.7K, 1W	RC30BF272K			
R117	Composition 330K, 1W	RC30BF334K			
R118	Composition 2.7, 1W	RC30BF272K			
R119, 120	Composition 4.7M	RC20BF475K			
R121, 122	Composition 220K	RC20BF224K			
R123, 124	Potentiometer, 250K, Phono Level Sets	R50160-3			
R125, 126	Composition 470K	RC20BF474K			
R127	Composition 2.2M	RC20BF225K			
R128	Composition 1M	RC20BF105K			
R129	Composition 2.2M	RC20BF225K			
R130	Composition 1M	RC20BF105K			
R131, 132	Composition 470	RC20BF471K			
R133	Composition 270K	RC20BF274K			
R134, 135	Composition 330K	RC20BF334K			
R136	Composition 270K	RC20BF274K			

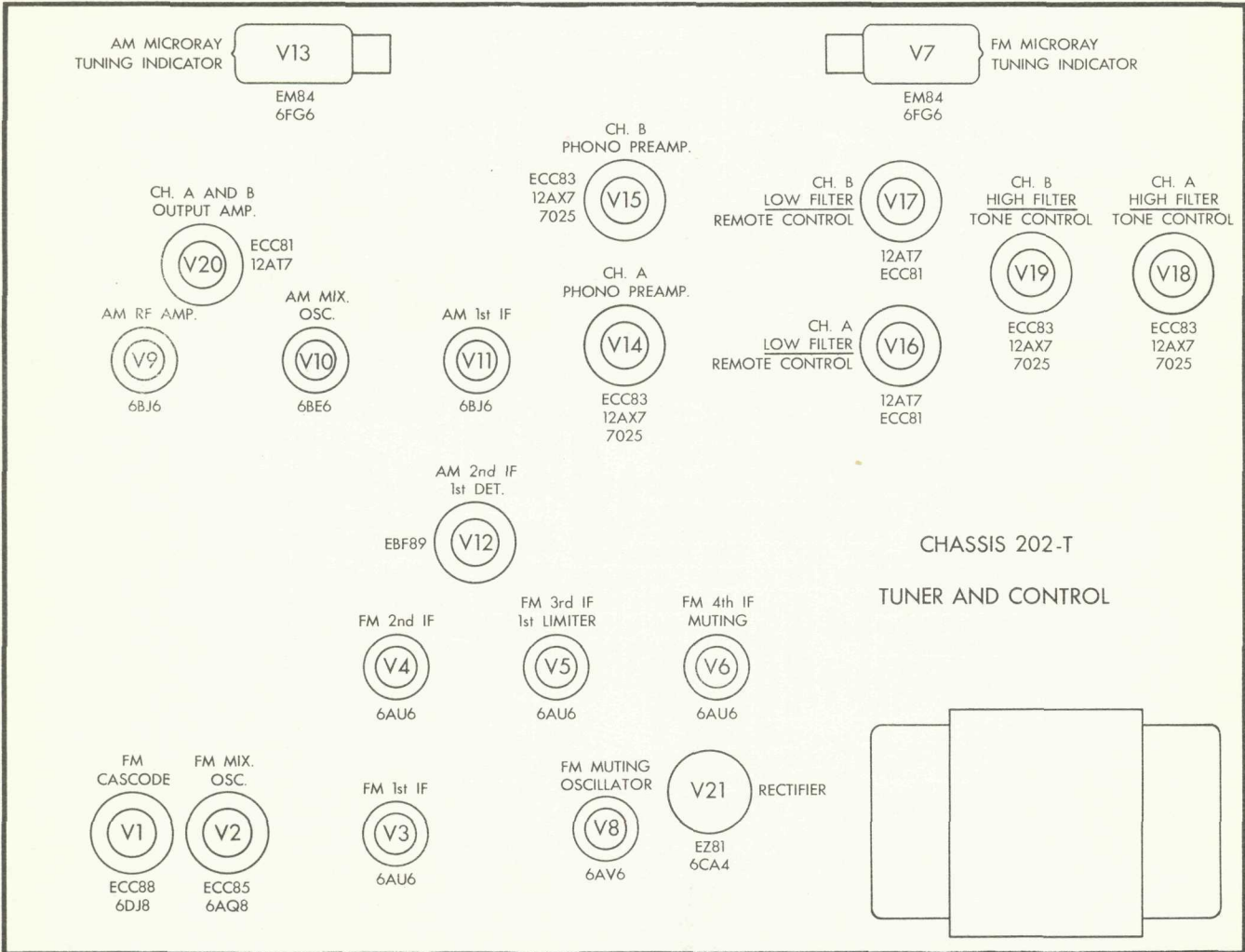
COILS, CHOKES AND TRANSFORMERS

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 Antenna	L721-136
L5	Choke, 1 micro henry	L50066-2
L6, 7	Choke, .56 micro henries	L50066-19
L8	Choke, R.F.	L629-180
L9	Coil, FM, R.F.	L726-126
L10	Coil, FM, osc.	L726-125
L11	Choke, .56 micro henries	L50066-19
L12, 13	Choke, 1 micro henry	L50066-2
L14	Choke, 1.2 micro henries	L50066-3
L15	Coil, AM, osc.	L50210-22
L16	Coil, muting, osc.	L50210-21
L17	Coil, 10KC, filter	L644-120
L18	Choke, 1.2 micro henries	L50066-3
L19, 20	Choke, filament ferrite bead	L592-189
21, 22, 23		
T1	Transformer, power	T721-115
Z1	Transformer, FM, I.F.	ZZ662-117
Z2	Transformer, FM, I.F.	ZZ629-142
Z3	Transformer, FM, I.F.	ZZ50210-2
Z4	Coil, FM, limiter	L551-121
Z5	Transformer, FM, Ratio Detector	ZZ592-170
Z6	Transformer, AM, R.F.	L670-151
Z7, 8	Transformer, AM, I.F.	ZZ50210-3
Z9	Transformer, AM, I.F.	ZZ2984

MISCELLANEOUS

Symbol	Description	Part No.
CR1, 2	Crystal diode, Type 1N295	V-1N295
CR3, 4	Crystal diode, Type 1N542, matched pair	V-1N542
F1	Fuse, 3 amp.	F-3000
I1, 2	Lamp, dial panel	I-50082-3
P1, 2	Plug, 9-pin	P-50181
PC1, 2	Printed circuit, Phone Equalization	PC50187-3
PC3, 5	Printed circuit, Tone Control	PC657-140
PC4, 6	Printed circuit, High Freq. filter	PC50187-2
S1	Switch, selector	S721-117
S2	Switch, mono stereo	S721-118
S3, 5, 6, 7, 8, 9, 11, 12	Switch slide	S50200-2 or S50200-4
S4	Switch, power	Part of R149
S10	Switch, loudness	Part of R149
SR1	Selenium rectifier	SR721-143

TUBE LAYOUT



AW 1669



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