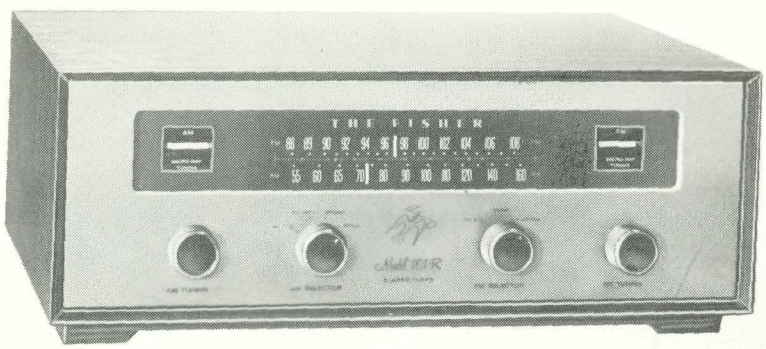
THE FISHER 101-R

SCHEMATIC and PARTS LIST



MODEL 101-R

CHASSIS SERIAL NUMBERS
10001-19999 INCLUSIVE

PRICE: $1.00

FISHER RADIO CORPORATION · NEW YORK

CAPACITORS

20% tolerance for all fixed capacitors, unless otherwise noted or marked GMV (guaranteed minimum value.) Cer = Ceramic

Symbol	Description	Part No.
C1	Ceramic, 24uuf 5% N150, 1000V	C50070-8
C2	Ceramic, 8uuf ± .5uuf NPO, 500V	CC20CJ080D5
C3	Ceramic Trimmer	C662-123
C4	Ceramic, 10uuf NPO, 500V	CC20CH100G5
C5	Ceramic, 100uuf 10% N1500, 1000V	C50070-6
C6	Variable, AM	C684-127
C7	Variable, FM	C662-113
C8	Ceramic, 100uuf GMV N1500, 1000V	C50070-5
C9	Ceramic, 100uuf 10% N1500, 1000V	C50070-6
C10, 11, 12	Ceramic, Feedthru, 1000uuf GMV	C592-187
C13	Ceramic, .02uf +80—20%, 500V	C50089-4
C14	Molded, .01uf, 600V	C2747
C15	Ceramic, Feedthru, 1000uuf GMV	C592-187
C16	Ceramic, .02uf +80—20%, 500V	C50089-4
C17	Ceramic, .005uf, 500V	C50089-1
C18	Ceramic, Feedthru, 100uuf GMV	C592-187
C19	Ceramic, .005uf, 500V	C50089-1
C20	Ceramic Trimmer	C662-123
C21	Ceramic, .68uf, 500V	C50077-6N
C22	Ceramic, 5uuf ± .5uuf NPO, 500V	CC20CJ050D5
C23	Ceramic, 100uuf 10% N1500, 100V	C50070-6
C24	Ceramic, 10uuf NPO, 500V	CC20CH100G5
C25	Electrolytic, two sections: 40uf, 350V 40uf, 300V	C684-122
C26	Ceramic, Feedthru, 100uuf GMV	C592-187
C27	Ceramic, 68uuf 10% N750, 500V	CC20UJ680K5
C28	Ceramic, 100uuf 10% N1500, 1000V	C50070-6
C29	Ceramic, 100uuf, ± .5uuf N220, 500V	CC20RH100D5
C30	Ceramic, 47uuf 10% N750, 1000V	C50070-4
C31	Ceramic, Feedthru, 1000uuf GMV	C592-187
C32	Ceramic Trimmer	C662-123
C33	Ceramic, 24uuf 5% N150, 1000V	C50070-8
C34	Ceramic, 120uuf 10% N1500, 1000V	C50070-9
C35	Ceramic, 100uuf GMV N1500, 1000V	C50070-5
C36	Electrolytic, three section: 40uf, 300V 40uf, 300V 20uf, 250V	C684-119
C37	Ceramic, .005uf, 500V	C50089-1
C38	Ceramic, 1000uuf 10%, 1000V	C50072-3
C39	Ceramic, 10uuf, ± .5uuf N1400, 500V	CC20VK100D5
C40	Ceramic, .02uf +80—20%, 500V	C50089-4
C41	Ceramic, .005uf, 500V	C50089-1
C42	Ceramic, Feedthru, 1000uuf GMV	C592-187
C43	Ceramic, .02uf +80—20%, 500V	C50089-4
C44	Mica, 470uuf 5%, 300V	C3334
C45, 46	Ceramic, .005uf, 500V	C50089-1
C47	Ceramic, .0027uf, 1000V	C50071-5
C48	Mica, 470uuf 5%, 300V	C3334
C49	Ceramic, .005uf, 500V	C50089-1
C50, 51	Molded, .047uf 10%, 250V	C50074-27
C52	Mica, Trimmer, 160uuf-500uuf	C629-151-5
C53	Ceramic, 47uuf 10% N750, 1000V	C50070-4
C54	Ceramic, 560uuf, 10%, 1000V	C50072-14
C55	Ceramic, .02uf +80—20%, 500V	C50089-4
C56	Ceramic, .005uf, 500V	C50089-1
C57	Mica, 470uuf 5%, 300V	C3334
C58	Ceramic, .005uf, 500V	C50089-1
C59	Molded, .1uf 10%, 250V	C50074-28
C60	Molded, .1uf 10%, 250V	C50074-28
C61	Electrolytic, 25uf, 6V	C639-114
C62	Ceramic, .0027uf, 1000V	C50071-5
C63	Mica, 470uuf 5%, 300V	C3334
C64	Ceramic, .005uf, 500V	C50089-1
C65	Ceramic, 10uuf NPO, 500V	CC20CH100G5
C66	Ceramic, .02uf +80—20%, 500V	C50089-4
C67	Ceramic, 47uuf 10% N750, 1000V	C50070-4
C68, 69	Ceramic, .005uf, 500V	C50089-1
C70	Ceramic, .0027uf, 1000V	C50071-5
C71	Ceramic, .005uf, 500V	C50089-1
C72	Ceramic, 1uuf P100, 1000V	C50070-1
C73	Ceramic, 220uuf 10%, 500V	CC21GP221K5
C74	Molded, .1uf 10%, 250V	C50074-28
C75	Molded, .047uf 10%, 250V	C50074-27
C76	Electrolytic, 25uf, 6V	C639-114
C77	Ceramic, .005uf, 500V	C50089-1
C78	Ceramic, .0027uf, 1000V	C50071-5
C79	Ceramic, 100uuf GMV N1500, 1000V	C50070-5
C80	Ceramic, .005uf, 500V	C50089-1
C81	Ceramic, 330uuf, 10%, 1000V	C50072-1
C82	Molded, .047uf 10%, 250V	C50074-27
C83	Ceramic, .02uf +80—20%, 500V	C50089-4
C84	Ceramic, .005uf, 500V	C50089-1
C85	Ceramic, 330uf 10%, 1000V	C50072-1
C86	Ceramic, 24uuf 5% N150, 1000V	C50070-8
C87	Ceramic, .0022uf 10%, 1000V	C50072-5
C88	Ceramic, .02uf +80—20%, 500V	C50089-4
C89	Molded, .01uf 10%, 250V	C50074-25
C90	Molded, .047uf 10%, 250V	C50074-27
C91, 92	Ceramic, 330uuf 10%, 1000V	C50072-1
C93	Electrolytic, 8uf, 50V	C629-138
C94	Ceramic, 100uuf GMV N1500, 100V	C50070-5

RESISTORS AND POTENTIOMETERS

In ohms, 10% tolerance, ½ watt, unless otherwise noted. K = kilohm, M = megohm.

Symbol	Description	Part No.
R1	Composition, 1K	RC20BF102K
R2	Composition, 270	RC20BF271K
R3	Composition, 4.7	RC20BF4R7K
R4	Composition, 100K	RC20BF104K
R5	Composition, 1.8M	RC20BF185K
R6	Composition, 1.2K	RC20BF122K
R7	Composition, 4.7M	RC20BF475K
R8	Composition, 100	RC20BF101K
R9	Composition, 330K	RC20BF334K
R10	Composition, 47K	RC20BF473K
R11	Composition, 330K	RC20BF334K
R12	Composition, 1K	RC20BF102K
R13	Composition, 4.7	RC20BF4R7K
R14	Composition, 2.2K	RC20BF222K
R15	Composition, 22	RC20BF220K
R16	Wirewound, 75, 5W	R684-140
R17	Composition, 820K	RC20BF824K
R18, 19	Wirewound, 270, 5W	R684-141
R20	Composition, 470K	RC20BF474K
R21	Composition, 33K	RC20BF333K
R22	Composition, 100	RC20BF101K
R23	Wirewound, 270, 5W	R684-141
R24	Composition, 1K	RC20BF102K
R25	Composition, 22K, 1W	RC30BF223K
R26	Composition, 2.2K, 1W	RC30BF222K
R27	Composition, 1K	RC20BF102K
R28	Composition, 100	RC20BF101K
R29	Composition, 1K	RC20BF102K
R30	Composition, 82K	RC20BF823K
R31	Composition, 47K	RC20BF473K
R32	Potentiometer, 500K 20%	R520-139
R33	Composition, 1K	RC20BF102K
R34	Composition, 100	RC20BF101K
R35	Composition, 330K	RC20BF334K
R36	Composition, 5.6K	RC20BF562K
R37	Composition, 2.2M	RC20BF225K
R38	Composition, 1M	RC20BF105K
R39	Composition, 82K	RC20BF823K
R40	Composition, 1K	RC20BF102K
R41	Composition, 47K	RC20BF473K
R42	Composition, 560	RC20BF561K
R43	Composition, 100	RC20BF101K
R44	Composition, 150K	RC20BF154K
R45	Composition, 82K	RC20BF823K
R46	Composition, 1K	RC20BF102K
R47	Composition, 2.2M	RC20BF225K
R48	Composition, 1.8M	RC20BF185K
R49	Composition, 820K	RC20BF824K
R50	Composition, 1.8M	RC20BF185K
R51	Composition, 180	RC20BF181K
R52	Composition, 120K	RC20BF124K
R53	Composition, 47K	RC20BF473K
R54	Composition, 82K	RC20BF823K
R55, 56	Composition, 1K	RC20BF102K
R57	Composition, 3.3M	RC20BF335K
R58	Composition, 56K	RC20BF563K
R59	Composition, 22K	RC20BF223K
R60, 61	Composition, 330K	RC20BF334K
R62	Composition, 470K	RC20BF474K
R63	Composition, 22K	RC20BF223K
R64	Composition, 10M	RC20BF106K
R65	Composition, 39K	RC20BF393K
R66	Composition, 560	RC20BF561K
R67	Composition, 2.2M	RC20BF225K
R68	Composition, 330K	RC20BF334K
R69	Composition, 1.8M	RC20BF185K
R70	Composition, 1M	RC20BF105K
R71	Composition, 1K	RC20BF102K
R72	Composition, 470K	RC20BF474K
R73	Composition, 330K	RC20BF334K
R74	Composition, 270	RC20BF271K
R75	Composition, 33K	RC20BF333K
R76	Composition, 1K	RC20BF102K
R77	Composition, 22K	RC20BF223K
R78	Potentiometer, 500K 20%	R520-139
R79	Composition, 15K	RC20BF153K
R80	Composition, 1.5K	RC20BF152K

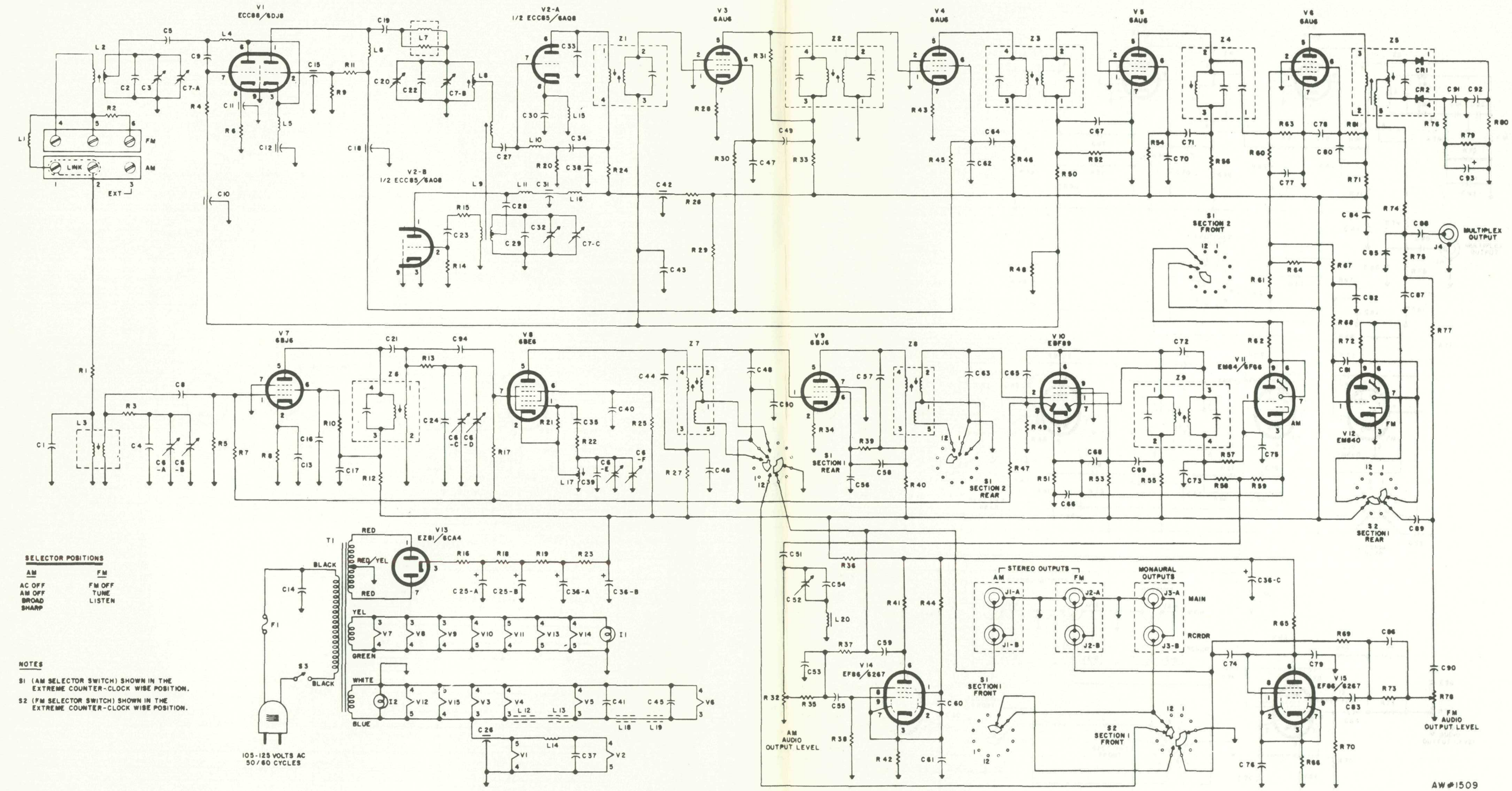
COILS, TRANSFORMERS, CHOKES

Symbol	Description	Order No.
L1	Choke, RF 3.3 Micro Henries	L50066-8
L2	Coil, Tuned, FM Antenna	L662-124
L3	Coil, Tuned, AM Antenna	L629-171
L4	Choke, RF 1.2 Micro Henries	L50066-3
L5, 6	Choke, RF .56 Micro Henries	L50066-19
L7	Choke, RF	L629-180
L8	Coil, Tuned, FM-RF	L662-125
L9	Coil, Tuned, FM Oscillator	L662-126
L10, 11	Choke, RF 1.2 Micro Henries	L50066-3
L12, 13	Choke, Ferrite Bead, Filament	L592-189
L14	Choke, RF 1.2 Micro Henries	L50066-3
L15	Choke, RF .56 Micro Henries	L50066-19
L16	Choke, RF 1.2 Micro Henries	L50066-3
L17	Coil, AM Oscillator	L550-122
L18, 19	Choke, Ferrite Bead, Filament	L592-189
L20	Coil, 10kc Filter	L644-120
T1	Transformer, Power	T684-124
Z1	Transformer, FM-IF	ZZ662-117
Z2, 3	Transformer, FM-IF	ZZ629-142
Z4	Coil, FM Limiter	L670-145
Z5	Transformer, FM Detector	ZZ592-170
Z6	Transformer, AM-RF	L670-151
	Used in Some Units with a 47uuf Capacitor connected across primary.	L556-125
Z7, 8	Transformer, AM-IF	ZZ509-132
Z9	Transformer, AM-IF	ZZ2984

MISCELLANEOUS

CR1, CR2	Crystal Diode, Matched Pair, FM Detector	V-1N542
F1	Fuse, 1½ Ampere, Slo-Blo	F684-143
I1, 2	Lamp, Dial Edge Lighting	I50082
S1	Switch, AM Selector	S684-123
S2	Switch, FM Selector	S684-120
S3	Switch, AC Power	Part of S1

SCHEMATIC DIAGRAM



SELECTOR POSITIONS

AM	FM
AC OFF	FM OFF
AM OFF	TUNE
BROAD	LISTEN
SHARP	

NOTES

S1 (AM SELECTOR SWITCH) SHOWN IN THE EXTREME COUNTER-CLOCK WISE POSITION.
S2 (FM SELECTOR SWITCH) SHOWN IN THE EXTREME COUNTER-CLOCK WISE POSITION.

105-125 VOLTS AC 50/60 CYCLES

AW#1509

RESISTORS	R1 R2 R3 · 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 TO R66 · R67 TO R70 · R81 R71 R72 · R73 · R74 R75 · R76 R77 R78 · R79 R80
CAPACITORS	C1 · C2 · C3 C4 · C5 C6-A · C7-A C8 C6-B · C9 C10 · C11 · C12 · C13 C14 · C15 C16 · C17 · C18 · C19 C20 C21 · C22 · C7-B C23 C24 · C94 C6-C · C6-D C25-A C26 · C27 C28 · C29 C25-B · C30 C31 C32 · C7-C C36-A TO C37 · C33 C39 C40 · C38 C36-B C41 · C6-E · C6-F · C42 TO 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 C36-C C76 · C77 · C78 C79 · C80 C81 · C82 C83 C84 · C85 C86 · C87 · C88 C89 · C90 · C91 · C92 C93

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