

Musical Fidelity A1 Integrated Amplifier									
The common problems for this amp are very noisy potentiometer and input selector due to bad design.You can get rid of the entire phono, line preamp, and even input selector if you want less trouble and noise. To bypass, simply remove R4 and wire the input directly to the right hand side of R4 so the amp acts as an power amp. Its good if you only use it with cd player or DAC with volume controller. If you									
Main Power Supply Capacitors	Voltage	Capacitance (microF)	Comments/Observations	Replacement part Mfr Name	Replacement part Mfr Number	Voltage	Capacitan ce (microF)	Comments	Price (ea)
C1	25	10,000	1 Rubycon 85c 25mm x 50mm	KEMET	PEH536JC E5100M3	35	10000	105C ,4600 Hour,22 mOhms, 30 mm x 40mm	5.21
C2	25	10,000	1 Rubycon 85c 25mm x 50mm	KEMET	PEH536JC E5100M3	35	10000	105C ,4600 Hour,22 mOhms, 30 mm x 40mm	5.21
C3	25	10,000	1 Rubycon 85c 25mm x 50mm	KEMET	PEH536JC E5100M3	35	10000	105C ,4600 Hour,22 mOhms, 30 mm x 40mm	5.21
C4	25	10,000	1 Rubycon 85c 25mm x 50mm	KEMET	PEH536JC E5100M3	35	10000	105C ,4600 Hour,22 mOhms, 30 mm x 40mm	5.21
C32				JB		250	0.47	Polyster Film	1.79
Amp Board									
C6	50	1	2	VISHAY	BFC247076105	63	1	85C,Polyester Film Cap	0.88
C7	50	1	2	VISHAY	BFC247076105	63	1	85C,Polyester Film Cap	0.88
C8	50	10	2 ELNA	PANASONIC	EEUEB1J100S	63	10	105C ,5000 Hour	0.08
C9	50	10	2 ELNA	PANASONIC	EEUEB1J100S	63	10	105C ,5000 Hour	0.08
C10	50	10	2 ELNA	PANASONIC	EEUEB1J100S	63	10	105C ,5000 Hour	0.08
C13	16	47	2 ELNA	PANASONIC	EEUEB1E470S	25	47	105C ,5000 Hour	0.10
C14	16	47	2 ELNA	PANASONIC	EEUEB1E470S	25	47	105C ,5000 Hour	0.10
C17	100	0	2	WIMA	MKS4	400	0.1	100C, 300000 Hour, Polyester Film	1.35
Phono Power									
C18	16	100	1 JKC	PANASONIC	EEUEB1E101S	25	100	105C ,5000 Hour	0.23
C19	16	100	1 JKC	PANASONIC	EEUEB1E101S	25	100	105C ,5000 Hour	0.23
C20	16	100	1 JKC	PANASONIC	EEUEB1E101S	25	100	105C ,5000 Hour	0.23
C21	16	100	1 JKC	PANASONIC	EEUEB1E101S	25	100	105C ,5000 Hour	0.23
C22	16	100	1 JKC	PANASONIC	EEUEB1E101S	25	100	105C ,5000 Hour	0.23
Phono Preamp									
C26	50	10	2 ELNA	PANASONIC	EEUEB1J100S	63	10	105C ,5000 Hour	0.08
C27	16	1,000	1 RS 85c 12.5mm x 25mm	PANASONIC	EEUFRC102L	16	1000	105C ,9000 Hour,8mm x 20mm	0.38
C29	50	1	2 85c	MULTICOMP PRO	MCGLR100V105M5X11	100	1	105c, 2000 Hour	0.06
C30	16	5	2 JKC	RUBYCON	50ML4R7MEFC4X7	50	4.7	105c, 5000 Hour	0.16
Cxx	16	100	1 JKC	PANASONIC	EEUEB1E101S	25	100	105C ,5000 Hour	0.23
Output Transistor									
	Model		Comments/Observations	Replacement part Mfr Name	Replacement part Mfr Number			Comments	Price (ea)
TR9	MJ2955	2	NPN	ONSEMI	MJ21194G			250V, 200C	8.44
TR10	2N3055	2	PNP	ONSEMI	MJ21193G			250V, 200C	8.04
Other Transistor									
	Model								
TR1	BC557B	2	PNP	ONSEMI	BC560C			PNP	0.60
TR2	BC557B	2	PNP	ONSEMI	BC560C			PNP	0.60
TR5	BC557B	2	PNP	ONSEMI	BC560C			PNP	0.60
TR3	BC547B	2	NPN	ONSEMI	BC550CTA			NPN	0.04
TR4	BC547B	2	NPN	ONSEMI	BC550CTA			NPN	0.04
TR7	BC547B	2	NPN	ONSEMI	BC550CTA			NPN	0.04
TR6	BD137	2	NPN	ONSEMI	BD139			NPN	0.15
TR8	BD138	2	PNP	ONSEMI	BD140			PNP	0.09
Resistors									
	Risittance	Power (w)	Comments/Observations	Replacement part Mfr Name	Replacement part Mfr Number	Resistance	Power (w)	Comments	Price (ea)
R1	0.47	2	1	MULTICOMP PRO	MCKNP05S,J047KAA9	0.47	5		0.18
R2	0.47	2	1	MULTICOMP PRO	MCKNP05S,J047KAA9	0.47	5		0.18
R19	2k2		2	MULTICOMP PRO	MOR01S,J0222A10	2k2	1		0.06
R20	2k2		2	MULTICOMP PRO	MOR01S,J0222A10	2k2	1		0.06
R30	0.47	2	2	MULTICOMP PRO	MCKNP03S,J047KA19	0.47	3		0.12
R31	0.47	2	2	MULTICOMP PRO	MCKNP03S,J047KA19	0.47	3		0.12
Zener Diode									
	Voltage	Power (w)		Replacement part Mfr Name	Replacement part Mfr Number	Voltage	Power (w)		
ZD1	12		2	NXP	BZV85-C12	12	1		0.07
ZD2	12		2	NXP	BZV85-C12	12	1		0.07
MISC									
Potentiometer			1 ALPS 603F 50KAX2	ALPS ALPINE	RK27111250K			50kohm	16.62
Heat Sink Compound			1		HY510				19.09