

Item no. I	Description	I	EAA Part number
I	I Index	I	45.485
2	I Square 1000 - Block diagram -	I	45.464
3	I Square 1000 - Power and protection module - Block diagram and test points -	I	45.471
4	I Square 1000 - DC Power and audio output wiring diagram -	I	35.462
5	I Square 1000 - Mains connection -	I	35.461
6	I Square 1000 - Power supply and timing - Schematic diagram -	I	45.447
7	I Square 1000 - Power supply - Parts list - 1 of 2 -	I	45.479
8	I Square 1000 - Power supply - Parts list - 2 of 2 -	I	45.480
9	I Square 1000 - Timing module - Components layout -	I	45.456
10	I Square 1000 - Timing module - Parts list - 1 of 1 -	I	45.467
11	I Square 1000 - Power amplifier module - Schematic diagram -	I	45.446
12	I Square 1000 - Power and protection module - Schematic diagram -	I	35.448
13	I Square 1000 - Power amplifier - Right channel - Components layout -	I	35.458
14	I Square 1000 - Power amplifier - Right channel - Components layout -	I	35.460
15	I Square 1000 - Power amplifier - Left channel - Components layout -	I	35.454
16	I Square 1000 - Power amplifier - Left channel - Components layout -	I	35.455
17	I Square 1000 - Power amplifier - Parts list - 1 of 7 -	I	45.468
18	I Square 1000 - Power amplifier - Parts list - 2 of 7 -	I	45.469
19	I Square 1000 - Power amplifier - Parts list - 3 of 7 -	I	45.470
20	I Square 1000 - Power amplifier - Parts list - 4 of 7 -	I	45.471
21	I Square 1000 - Power amplifier - Parts list - 5 of 7 -	I	45.472
22	I Square 1000 - Power amplifier - Parts list - 6 of 7 -	I	45.473
23	I Square 1000 - Power amplifier - Parts list - 7 of 7 -	I	45.474
24	I Square 1000 - Relay module - Schematic diagram -	I	45.445
25	I Square 1000 - Relay module - Components layout -	I	45.459
26	I Square 1000 - Relay module - Parts list - 1 of 2 -	I	45.481
27	I Square 1000 - Relay module - Parts list - 2 of 2 -	I	45.482
28	I Square 1000 - Display module - Schematic diagram -	I	45.442
29	I Square 1000 - Display module - Components layout -	I	45.457
30	I Square 1000 - Display module - Parts list - 1 of 3 -	I	45.475
31	I Square 1000 - Display module - Parts list - 2 of 3 -	I	45.476
32	I Square 1000 - Display module - Parts list - 3 of 3 -	I	45.477
33	I Square 1000 - Voltage amplifier - Schematic diagram -	I	45.441
34	I Square 1000 - Voltage amplifier - Components layout -	I	45.453
35	I Square 1000 - Voltage amplifier - Parts list - 1 of 2 -	I	45.465
36	I Square 1000 - Voltage amplifier - Parts list - 2 of 2 -	I	45.466
37	I Square 1000 - VCA module - Schematic diagram -	I	45.443
38	I Square 1000 - VCA module - Components layout -	I	45.451
39	I Square 1000 - VCA module - Parts list - 1 of 1 -	I	45.464
40	I Square 1000 - Multiplier module - Schematic diagram -	I	45.444
41	I Square 1000 - Multiplier module - Components layout -	I	45.452
42	I Square 1000 - Multiplier module - Parts list - 1 of 1 -	I	45.463
43	I Square 1000 - Input wiring harness - Components layout -	I	45.450
44	I Square 1000 - Input wiring harness - Parts list - 1 of 1 -	I	45.478
45	I Square 1000 - Miscellaneous mechanical parts - Parts list - 1 of 1 -	I	45.483
46	I Square 1000 - Miscellaneous mechanical parts - Parts list - 1 of 2 -	I	45.484
47	I Square 1000 - Miscellaneous mechanical parts - Parts list - 2 of 2 -	I	45.486 to 45.489
48	I Square 1000 - Calibration procedure -	I	45.485

Item no	Sch.ref.	Description	Qty.	EAA Part number
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
1104	Z 5	Hardware used to secure blower B1 Machine screw, metric, TC4x50	4	TC4x50
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
1107	Z 20	Hardware used to secure input sockets connectors X15 and X16 Pop rivet, 3x8mm	8	SMR380
I	I	I	I	I
I	I	I	I	I
1110	Z 21	Hardware swaged on main chassis Y6 Nut, swage type, metric, ref. RFO1M4	4	RFO1M4
1111	Z 22	Nut, swage type, metric, ref. RFO1M5	8	RFO1M5
1112	Z 23	Nut, swage type, metric, ref. RK10M5-300	4	RK10M5-300
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
1115	Z 14	Hardware used to secure main cover Y7 Machine screw, metric, TFHC5x12	12	TFHC5x12
I	I	I	I	I
I	I	I	I	I
1118	Z 25	Hardware used to secure front panel handles Y9 Machine screw, metric, TFHC5x16	4	TFHC5x16
I	I	I	I	I
I	I	I	I	I
1121	Z 14	Hardware used to secure rear panel handles Y9 Machine screw, metric, TFHC5x12	4	TFHC5x12
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
1125	Z 13	Hardware used to secure finger guard X17 and clip Z26 on fan cover Y10 Pop rivet, 3.2x8mm	3	Z15
1126	Z 26	Pop rivet, 4x12mm	2	H#5
I	I	I	I	I
I	I	I	I	I
1129	Z 29	Hardware used to secure pin Z28 Lockwasher, Z15	3	Z15
1130	Z 12	Hex. nut, metric, H#5	2	H#5
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
1133	Z 30	Hardware used to secure rubber feet I18 Machine screw, metric, TC5x20	4	TC5x20
1134	Z 31	Washer, flat, L5x16	4	L5x16
I	I	I	I	I
I	I	I	I	I
1137	Z 32	Hardware used to secure voltage amplifier cover Y11 Machine screw, metric, TC4x8	4	TC4x8
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
1140	Z 14	Hardware used to secure hex. standoffs Z27 Machine screw, metric, TFHC5x12	2	TFHC5x12
1141	Z 31	Washer, flat, L5x16	2	L5x16
1142	Z 29	Lockwasher, Z15	2	Z15
I	I	I	I	I
I	I	I	I	I
1145	Z 24	Hardware used to secure power modules assemblies Machine screw, metric, TFHC5x16	8	TFHC5x16
I	I	I	I	I
I	I	I	I	I

Item no.	Sch.ref.	Description	Qty.	EAA Part number
I	I		I	I
I	I		I	I
I	I		I	I
I	I		I	I
1055	B 1	Blower, 451/5, 115VAC, 50/60 Hz, 20W, ref. 4600N	1	4600N
I	I		I	I
057	BP 1	Binding post, black, ref. B3	2	B3
1058	BP 2	Binding post, red, ref. B31	2	B31
I	I		I	I
I	I		I	I
I	I		I	I
I	I		I	I
063	X 15	Connector socket, female, 3 positions, XLB3-31	2	XLB3-31
1064	X 16	Connector socket, male, 3 positions, XLB3-32	2	XLB3-32
065	X 17	Finger guard, steel wire, zinc plated, ref. LZ20	1	LZ20
066	X 18	Foot, neoprene rubber, ref. 735-30	4	735-30
1067	X 19	Feed-thru insulator, neoprene rubber, ref. DA30-70-30	1	DA30-70-30
068	X 20	Air filter, plastic foam, ref. Bulpren-S10	1	Bulpren-S10
I	I		I	I
I	I		I	I
I	I		I	I
I	I		I	I
I	I		I	I
075	Y 6	Main chassis, aluminium, black anodised, ref. 03.297F	1	03.297F
I	I		I	I
1075	I	Main chassis, sub-assy, (main chassis equipped with swaged nuts)	1	03.297F/SUB.ASSY.
I	I		I	I
077	Y 7	Main cover, aluminium, black anodised, ref. 33.2988	1	33.2988
1078	Y 8	Front panel, aluminium, black anodised, ref. 23.3128	1	23.3128
079	Y 9	Handle, aluminium, anodised, ref. 03.176	4	03.176
I	I		I	I
1081	Y 10	Fan cover, ref. 33.290D	1	33.290D
I	I		I	I
083	I	Fan cover sub assembly, (fan cover equipped with finger guard	1	33.290D/SUB.ASSY.
I	I	XL17, clip Z26 and air filter X20)	1	I
I	I		I	I
086	Y 11	Voltage amplifier cover, zinc plated, ref. 33.3168	2	33.3168
I	I		I	I
I	I		I	I
I	I		I	I
I	I		I	I
I	I		I	I
1091	Z 26	Clip, air filter fastening, ref. C4413	2	C4413
1092	Z 27	Hex. standoff, metric, zinc plated, H5x20, ref. 2083	2	2083
1093	Z 28	Pin, air filter fastening, ref. R6213	2	R6213
I	I		I	I
I	I		I	I
I	I		I	I
I	I		I	I
I	I		I	I

Item no.	Sch.ref.	Description	Qty.	EAA Part number
I	I		I	
I	I		I	
I	I		I	
I	I		I	
1005	R 1	I Resistor, 10k, 0.25W, 5%	I	
1006	R 2	I Ident. to R1	7 I	
1007	R 3	I Resistor, 12k, 0.25W, 5%	I	
I	R 4	I N.A.	I I	
1009	R 5	I Ident. to R1	I	
1010	R 6	I Resistor, 1k, 0.25W, 5%	I	
1011	R 7	I Resistor, 33k, 0.25W, 5%	2 I	
1012	R 8	I Resistor, 470k, 0.25W, 5%	2 I	
1013	R 9	I Ident. to R7	3 I	
1014	R 10	I Resistor, 15k, 0.25W, 5%	I	
1015	F 11	I Ident. to R1	I I	
1016	R 12	I Ident. to R6	I	
1017	R 13	I Ident. to R1	I	
1018	R 14	I Resistor, 100k, 0.25W, 5%	I	
1019	R 15	I Ident. to R14	2 I	
1020	R 16	I Ident. to R8	I	
1021	R 17	I Resistor, 820 ohms, 0.25W, 5%	I	
1022	R 18	I Resistor, 560k, 0.25W, 5%	I I	
1023	R 19	I Resistor, 2.2k, 0.25W, 5%	I I	
1024	R 20	I Ident. to R8	I	
1025	R 21	I Resistor, 33 ohms, 0.25W, 5%	I	
1026	R 22	I Ident. to R1	I I	
1027	R 23	I Resistor, 4.7k, 0.25W, 5%	I	
1028	R 24	I Ident. to R1	I I	
I	I		I	
I	I		I	
1031	X 1	I Spade 1/4", printed circuit, ref. Y320A	2 I	Y320A
I	I		I	
I	I		I	
I	I		I	
I	I		I	
I	I		I	
1036	I	I Relay module assembly	I	53.3096/ASSY.
I	I		I	
I	I		I	
I	I		I	
I	I		I	
I	I		I	
I	I		I	
I	I		I	
I	I		I	
I	I		I	
I	I		I	
I	I		I	

PARTS LIST - I - SQUARE 1000 - RELAY MODULE - ref. 53.309 I 2 of 2 I 45.482

Item no.	Sch.ref.	Description	Qty.	EAA Part number
952	C 1	Capacitor, electrolytic, 10µF, 35 to 50V, MM or MG type	1	I
953	C 2	I Ident. to C1	5	I
954	C 3	I Ident. to C1	1	I
955	C 4	I Ident. to C1	1	I
956	C 5	Capacitor, ceramic, 330pF	2	I
957	C 6	I Ident. to C5	1	I
958	C 7	Capacitor, electrolytic, 4.7µF, 25 to 50V MM or MG type	3	I
959	C 8	I Ident. to C7	1	I
960	C 9	Capacitor, electrolytic, 47µF, 25V, MM or MG type	1	I
961	C 10	Capacitor, film, 0.1µF, 100V, MMK0	3	I
962	C 11	I Ident. to C10	1	I
963	C 12	I Ident. to C1	1	I
964	C 13	I Ident. to C10	1	I
965	C 14	I Ident. to C7	1	I
966	C 15	Capacitor, ceramic, 220pF	1	I
		I	1	I
966	CB 1	Printed circuit board	1	I
		I	1	I 53.3095/PCB.
970	CL 1	Coil, AF, 4 turns	1	I
		I	1	I DL1
972	CS 1	Connector, socket, 8 positions, pitch 2.5mm, ref. MSFB	2	I MSJ858-1-0-605
973	CS 2	I Ident. to CS2	1	I
		I	1	I
975	D 3	Diode, 1N4148	5	I
976	D 4	I Ident. to D3	1	I
977	D 5	I Ident. to D3	1	I
978	D 6	I Ident. to D3	1	I
979	D 7	Diode, 1N4006	1	I
980	D 8	I Ident. to D3	1	I
		I	1	I
982	D8 1	Diode bridge, M04F	2	I
983	D8 2	I Ident. to D81	1	I
		I	1	I
985	D7 1	Diode, zener, K1X55C5V1	2	I
986	D7 2	I Ident. to D71	1	I
		I	1	I
986	IC 1	Integrated circuit, TL071CF	1	I
		I	1	I
990	K 1	Relay, 24VDC, ref. RR23001L1	1	I RR23001L1
		I	1	I
992	Q 1	Transistor 2N222A	2	I
993	Q 2	Transistor 2N2907A	2	I
994	Q 3	I Ident. to Q2	1	I
995	Q 4	I Ident. to Q1	1	I
		I	1	I
		I	1	I

***** PARTS LIST - 1 - SQUARE 1000 - RELAY MODULE - ref. 53.309 - I of 2 I 45.481 *****

Item no.	Sch.ref.	Description	Qty.	EAA Part number
852	B 1	I Blower, 45 1/2, 115VAC, 50/60 Hz, 20W, ref. 4600M	1	4600M
853	B 8	I Bus bar, grounding, ref. 33.3180	1	33.3180
855	C 1	I Capacitor, electrolytic, case 72x114mm, 22000 to 30000 uF, 100V	4	374579
856	C 2	I Ident. to C1	1	
857	C 3	I Ident. to C1	1	
858	C 4	I Ident. to C1	1	
859	C 13	I Capacitor, film, 0.1 to 0.22uF, 250V	2	
860	C 14	I Ident. to C13	1	
861	CP 1	I Clamp for power cord, ref. DM8	1	DM8
863	D 5	I Diode bridge, 25A 400V, ref. FR3504	3	FR3504
864	DB 2	I Ident. to DB1	1	
865	DB 3	I Ident. to DB1	1	
867	F 1	I Fuse, 1/4" x 1/4", slo-blow, 20A, ref. 313020	2	313020
868	F 2	I Ident. to F1	1	
869	F 3	I Fuse, 1/4" x 1/4", slo-blow, 25A, ref. 326025	4	326025
870	F 4	I Ident. to F3	1	
871	F 5	I Ident. to F3	1	
872	F 6	I Ident. to F3	1	
873	FH1	I Fuse holder, ref. 345603	2	345603
874	FH2	I Ident. to FH1	1	
875	FR3 + FR4	I Fuse holder, ref. 354802-6Y	2	354802-6Y
876	FR5 + FR6	I Ident. to FR3+FR4	1	
878	PC 1	I Power cord, H07-RNF 3x2.5mm2	1	H07-RNF-3x2.5
280	SW 1	I Switch, toggle, 1 section, ref. 5636A16	1	5636A16
882	T 1	I Transformer, 115/240 VAC, 5W/60 Hz, ref. A032C1TM	1	A032C1TM
883	TB1 + TB2	I Terminal block assembly, including:	1	TB1+TB2
884		I - 4 Terminal block, ref. 261-301	1	
885		I - 1 End plate, ref. 261-361	1	
886	TB 3	I Terminal block assembly, including:	1	TB3
867		I - 2 Terminal block, ref. 262-301	1	
888		I - 1 End plate, ref. 262-361	1	
889	TSM 1	I Thermo-switch, normally open contact, ref. 65-0-98-22-040-030	2	65-0-98-22-040-030
890	TSM 2	I Ident. to TSM1	1	
892		I Transformer assembly,	1	
893		I (including: transformer, transformer brackets and hardware)	1	A032C1TM/ASSY.
895		I Power capacitors assembly	1	
896		I (including capacitors C1 to C4, bus bar BB1 and connect. cables)	1	374579/ASSY.

Item no.	Sch.ref.	Description	Qty.	EAA Part number
806	CC	Crimp connector, ref. FC01L	26	FC04L
811	CP 1	Connector, plug, housing, 8 positions, ref. MBC8	2	MBC8
812	CP 2	Ident. to CP1		
813	CP 3	Connector, plug, housing, 4 positions, ref. MBC4	2	MBC4
814	CP 4	Ident. to CP3		
815	CP 5	Connector, plug, housing, 3 positions, ref. MBC3	2	MBC3
816	CP 6	Ident. to CP5		
821	SW 1	Switch, toggle, 1 section, ref. 5636A16	2	5636A16
822	SW 2	Ident. to SW1		
823	SW 3	Switch, toggle, 2 sections, ref. 5646A16		5646A16
824	SW 4	Switch, toggle, 3 sections, ref. 5656A16		5656A16
829	Z 4	Dress nut, ref. U500	4	U500
835		Input wiring harness, sub-assembly		IWH1

44

Item no. I	Sch.ref. I	Description	I Qty.	EAA Part number
I	I		I	I
702	Q 1	I Transistor, BD441	3 I	
703	Q 2	I Transistor, BD442	1 I	
704	Q 3	I Transistor, 2N2222A	4 I	
705	Q 4	I Ident. to Q3	1 I	
706	Q 5	I Ident. to Q3	1 I	
707	Q 6	I Ident. to Q1	1 I	
708	Q 7	I Ident. to Q1	1 I	
709	Q 8	I Ident. to Q3	1 I	
I	I		I	I
I	I		I	I
712	R 1	I Resistor, 10 ohms, 1W, 5%	1 I	
713	R 2	I Resistor, 1k, 0.25W, 5%	2 I	
714	R 3	I Resistor, 6.8k, 0.25W, 5%	2 I	
715	R 4	I Resistor, 3.9k, 0.25W, 5%	1 I	
716	R 5	I Resistor, 4.7k, 0.25W, 5%	3 I	
717	R 6	I Resistor, 47k, 0.25W, 5%	3 I	
718	R 7	I Resistor, 150 ohms, 0.25W, 5%	2 I	
719	R 8	I Resistor, 10k, 0.25W, 5%	6 I	
720	R 9	I Ident. to R7	1 I	
721	R 10	I Ident. to R8	1 I	
722	R 11	I Resistor, 39k, 0.25W, 5%	2 I	
723	R 12	I Resistor, 470k, 0.25W, 5%	2 I	
724	R 13	I Ident. to R8	1 I	
I	R 14	I N.A.	I	I
I	R 15	I N.A.	I	I
727	R 16	I Ident. to R11	1 I	
728	R 17	I Ident. to R8	1 I	
729	R 18	I Ident. to R12	1 I	
730	R 19	I Ident. to R5	1 I	
731	R 20	I Ident. to R8	1 I	
732	R 21	I Resistor, 22k, 0.25W, 5%	2 I	
733	R 22	I Ident. to R8	1 I	
734	R 23	I Ident. to R2	1 I	
735	R 24	I Resistor, 56 ohms, 0.25W, 5%	1 I	
736	R 25	I Resistor, 3.3k, 0.25W, 5%	1 I	
737	R 26	I Resistor, 1.5k, 0.25W, 5%	1 I	
738	R 27	I Ident. to R5	1 I	
739	R 28	I Ident. to R21	1 I	
740	R 29	I Resistor, 100k, 0.25W, 5%	1 I	
741	R 30	I Ident. to R6	1 I	
742	R 31	I Ident. to R6	1 I	
743	R 32	I Ident. to R3	1 I	
I	I		I	I
I	I		I	I
746	RS	I Resistor, strap	2 I	
I	I		I	I

Item no.	Sch.ref.	Description	Qty.	EAA Part number
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
654	C 1	I Capacitor, electrolytic, 220µF, 16V, MM or M6 type	I	I
655	C 2	I Ident. to C1	I	I
656	C 3	I Capacitor, electrolytic, 4.7µF, 25 to 50V, MM or M6 type	4	I
657	C 4	I Capacitor, film, 10µF, 250V, MMKG	I	I
658	C 5	I Ident. to C1	I	I
659	C 6	I Ident. to C1	I	I
660	C 7	I Capacitor, electrolytic, 470µF, 50V, MM or M6 type	I	I
661	C 8	I Capacitor, electrolytic, 100µF, 50V, MM or M6 type	I	I
662	C 9	I Capacitor, electrolytic, 4.7µF, 50V, MM or M6 type	I	I
I	I	I	I	I
664	CB 1	I Printed circuit board	I	I 25.406B/PCB
I	I	I	I	I
666	CS 1	I Connector, socket, 8 positions, pitch 2.5mm, ref. MSF8	I	I 2 MKS185B-1-0-808
667	CS 2	I Ident. to CS1	I	I
668	CS 3	I Connector, socket, 3 positions, pitch 2.5mm, ref. MSF3	2	I MKS1853-1-0-303
669	CS 4	I Ident. to CS3	I	I
I	I	I	I	I
671	D 2	I Diode, LED, yellow, MV5552	I	I
672	D 3	I Ident. to D2	2	I
673	D 4	I Diode, 1N4148	I	I
674	D 5	I Ident. to D4	4	I
675	D 6	I Ident. to D4	I	I
676	D 7	I Ident. to D4	I	I
677	D 9	I Diode, LED, red, MV6752	I	I
678	D 12	I Diode, LED, part of SW1	I	I
679	D 13	I Diode, 1N4006	I	I
I	I	I	I	I
681	DZ 1	I Diode, zener, BZX55C5V1	I	I
682	DZ 8	I Ident. to DZ1	2	I
683	DZ 10	I Diode, zener, 8ZX55C24V	I	I
684	DZ 11	I Diode, zener, BZX55C18V	I	I
I	I	I	I	I
686	DB 1	I Diode bridge, W04F	I	I
I	I	I	I	I
688	IC 1	I Integrated circuit, ME555CP	I	I
689	IC 2	I Integrated circuit, TL071CP	I	I
690	IC 3	I Ident. to IC2	2	I
I	I	I	I	I
692	P 1	I Potentiometer, adjustable, 10k	I	I
693	P 2	I Ident. to P1	2	I PT10V-H2.5-10k
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I

Item no.	Sch.ref.	Description	Qty.	EAA Part number
604	Y 1	Heatsink, primary, ref.232940	1	23.2940
605	Y 2	Heatsink, ref. 332898	2	33.2898
609	Z 1	Machine screw, metric, TC-3x20	32	TC-3x20
610	Z 2	Machine screw, metric, TC-3x8	2	TC-3x8
611	Z 3	Machine screw, metric, TCDC-5x12	12	TCDC-5x12
619		Power module, right channel, printed circuit board assembly	1	40.306F/PCB.ASSY.
622		Power module, left channel, printed circuit board assembly	1	40.307F/PCB.ASSY.
628		Power module, right channel, module assembly (including power transistors and heatsinks assembly)	1	40.306F/MOD.ASSY.
632		Power module, left channel, module assembly (including power transistors and heatsinks assembly)	1	40.307F/MOD.ASSY.
639		Matched transistors maintenance kit, including: Q5 and Q7, Q8 to Q14, Q15 to Q22	1	TKM1

Item no.	Sch.ref.	Description	Qty.	EAA Part number
502	I R 47	I Ident. to R16	1	I
503	I R 48	I Resistor, 22k, 0.25W, 5%	1	I
504	I R 49	I Ident. to R48	14	I
505	I R 50	I Resistor, 15k, 0.25W, 5%	1	I
506	I R 51	I Resistor, 10k, 0.25W, 5%	3	I
507	I R 52	I Ident. to R48	7	I
508	I R 53	I Ident. to R48	1	I
509	I R 54	I Ident. to R48	1	I
510	I R 55	I Ident. to R48	1	I
511	I R 56	I Ident. to R13	1	I
512	I R 57	I Resistor, 82k, 0.25W, 5%	1	I
513	I R 58	I Ident. to R8	1	I
514	I R 59	I Ident. to R51	1	I
515	I R 60	I Ident. to R8	1	I
516	I R 61	I Resistor, strap	1	I
517	I R 62	I Ident. to R4	14	I
518	I R 63	I Resistor, 22 ohms, 0.25W, 5%	7	I
519	I R 64	I Ident. to R63	1	I
	I R 65	I N.A.	1	I
521	I R 66	I Resistor, 5.6k, 0.25W, 5%	1	I
522	I R 67	I Ident. to R61	1	I
	I R 68	I N.A.	1	I
524	I R 69	I Ident. to R8	1	I
525	I R 70	I Ident. to R50	1	I
526	I R 71	I Ident. to R48	1	I
527	I R 72	I Ident. to R48	1	I
528	I R 73	I Ident. to R48	1	I
529	I R 74	I Ident. to R48	1	I
530	I R 75	I Ident. to R13	1	I
531	I R 76	I Resistor, 470 ohms, 0.25W, 5%	2	I
532	I R 77	I Ident. to R51	1	I
533	I R 78	I Ident. to R8	1	I
534	I R 79	I Ident. to R76	1	I
535	I R 80	I Ident. to R8	1	I
536	I R 81	I Resistor, 56k, 0.25W, 5%	4	I
537	I R 82	I Ident. to R81	1	I
538	I R 83	I Ident. to R51	1	I
539	I R 84	I Resistor, 100k, 0.25W, 5%	3	I
540	I R 85	I Ident. to R84	1	I
541	I R 86	I Ident. to R51	1	I
542	I R 87	I Resistor, 1.8k, 0.25W, 5%	1	I
543	I R 88	I Ident. to R51	1	I
544	I R 89	I Resistor, 180k, 0.25W, 5%	1	I
545	I R 90	I Resistor, 47k, 0.25W, 5%	2	I
546	I R 91	I Ident. to R48	1	I
547	I R 92	I Ident. to R48	1	I

Item no.	Sch.ref.	Description	Qty.	EAA Part number
	I	I	I	I
	I	I N.A.	I	I
	R 2	I N.A.	I	I
454	R 3	I Resistor, 3.9k, 0.25W, 5%	I	I
455	R 4	I Resistor, 1k, 0.25W, 5%	6	I
456	R 5	I Ident. to R4	I	I
457	R 6	I Resistor, 220 ohms, 0.25W, 5%	15	I
458	R 7	I Ident. to R6	I	I
459	R 8	I Resistor, 4.7k, 0.25W, 5%	7	I
460	R 9	I Ident. to R8	I	I
461	R 10	I Resistor, 150 ohms, 0.25W, 5%	I	I
462	R 11	I Ident. to R10	3	I
463	R 12	I Resistor, 39 ohms, 0.25W, 5%	I	I
464	R 13	I Resistor, 47 ohms, 0.25W, 5%	I	I
465	R 14	I Ident. to R6	3	I
466	R 15	I Ident. to R10	I	I
467	R 16	I Resistor, 10 ohms, 1W, 5%	I	I
468	R 17	I Ident. to R16	3	I
	I	I N.A.	I	I
470	R 19	I Ident. to R6	I	I
471	R 20	I Ident. to R6	I	I
472	R 21	I Ident. to R6	I	I
473	R 22	I Ident. to R6	I	I
474	R 23	I Ident. to R6	I	I
475	R 24	I Ident. to R6	I	I
	I	I N.A.	I	I
477	R 26	I Ident. to R6	I	I
478	R 27	I Ident. to R6	I	I
479	R 28	I Ident. to R6	I	I
480	R 29	I Ident. to R6	I	I
481	R 30	I Ident. to R6	I	I
482	R 31	I Ident. to R6	I	I
	I	I N.A.	I	I
484	R 33	I Resistor wirewound, 0.47 ohms, 4W	I	I
485	R 34	I Ident. to R33	14	RSC4x21-0.47E
486	R 35	I Ident. to R33	I	I
487	R 36	I Ident. to R33	I	I
488	R 37	I Ident. to R33	I	I
489	R 38	I Ident. to R33	I	I
490	R 39	I Ident. to R33	I	I
491	R 40	I Ident. to R33	I	I
492	R 41	I Ident. to R33	I	I
493	R 42	I Ident. to R33	I	I
494	R 43	I Ident. to R33	I	I
495	R 44	I Ident. to R33	I	I
496	R 45	I Ident. to R33	I	I
497	R 46	I Ident. to R33	I	I

Item no.	Sch.ref.	Description	Qty.	EAA Part number
I	I		I	
I	I		I	
I	I		I	
404	I	IC 1+2 Integrated circuit, TL072CP	4	I
405	I	IC 3 Integrated circuit, TL071CF	7	I
406	I	IC 4 Ident. to IC3	I	
407	I	IC 5+6 Ident. to IC1+2	I	
408	I	IC 7 Ident. to IC3	I	
409	I	IC 8+11 Ident. to IC1+2	I	
410	I	IC 9+10 Ident. to IC1+2	I	
411	I	IC 12 Ident. to IC3	I	
412	I	IC 13 Ident. to IC3	I	
413	I	IC 14 Ident. to IC3	I	
414	I	IC 15 Ident. to IC3	I	
I	I		I	
I	I		I	
417	P 1	Potentiometer, adjustable, cermet, 2.2k	I	
418	P 2	Potentiometer, adjustable, 2.2k	I	VW05H-2.2k
419	P 3	Ident. to P2	3	PT10V-H2.5-2.2k
420	P 4	Ident. to P2	I	
I	I		I	
I	I		I	
423	Q 1	Transistor, 2N2222A	I	
424	Q 2	Transistor, 2N2907A	I	
425	Q 3	Transistor, BD441	I	
426	Q 4	Transistor, BF767, (matched with Q6)	2	I
427	Q 5	Transistor, 2N3584, (matched with Q7)	I	
428	Q 6	Transistor, BF750, (matched with Q4)	I	
429	Q 7	Transistor, 2N5212, (matched with Q5)	I	
430	Q 8	Transistor, MJ15024, (matched with Q15)	I	
431	Q 9	Ident. to Q6	7	I
432	Q 10	Ident. to Q8	I	
433	Q 11	Ident. to Q8	I	
434	Q 12	Ident. to Q6	I	
435	Q 13	Ident. to Q8	I	
436	Q 14	Ident. to Q8	I	
437	Q 15	Transistor, MJ15025, (matched with Q8)	I	
438	Q 16	Ident. to Q15	7	I
439	Q 17	Ident. to Q15	I	
440	Q 18	Ident. to Q15	I	
441	Q 19	Ident. to Q15	I	
442	Q 20	Ident. to Q15	I	
443	Q 21	Ident. to Q15	I	
444	Q 22	Ident. to Q3	I	
I	I		I	
I	I		I	
I	I		I	

Itce no.	Sch.ref.	Description	Qty.	EAA Part number
352	CS 1	I Connector, socket, 8 positions, pitch 2.5mm, ref. MSFW8	1	MKS2858-1-0-808
353	CS 2	I Connector, socket, 8 positions, pitch 2.5mm, ref. MSF8	1	MKS1658-1-0-808
354	CS 3	I N.C.	1	
355	CS 4	I Connector, socket, 4 positions, pitch 2.5mm, ref. MSF4	1	J2080-20/4
356	CS 5	I Connector, socket, 4 positions, ref. J2080-20/4	3	J2080-20/4
357	CS 6	I Ident. to CS5	1	
358	CS 7	I Connector, socket, 6 positions, ref. J2080-20/6	1	J2080-20/6
359	CS 8	I Ident. to CS5	1	
361	D 1	I Diode, 1N4148	1	
362	D 2	I Ident. to D1	25	
363	D 3	I Ident. to D1	1	
364	D 4	I Ident. to D1	1	
365	D 5	I Diode, 1N4006	4	
366	D 6	I Ident. to D5	1	
367	D 7	I Ident. to D1	1	
368	D 8	I Ident. to D1	1	
369	D 10	I Ident. to D1	1	
370	D 11	I Ident. to D1	1	
371	D 12	I Ident. to D1	1	
372	D 13	I Ident. to D1	1	
373	D 14	I Ident. to D1	1	
374	D 16	I Ident. to D1	1	
375	D 17	I Ident. to D1	1	
376	D 18	I Ident. to D1	1	
377	D 19	I Ident. to D1	1	
378	D 20	I Ident. to D1	1	
379	D 21	I Ident. to D1	1	
380	D 22	I Ident. to D1	1	
381	D 23	I Ident. to D1	1	
382	D 25	I Ident. to D1	1	
383	D 27	I Ident. to D1	1	
384	D 28	I Ident. to D1	1	
385	D 31	I Ident. to D1	1	
386	D 32	I Ident. to D5	1	
387	D 33	I Ident. to D5	1	
388	D 34	I Ident. to D1	1	
389	D 35	I Ident. to D1	1	
391	DZ 9	I Diode, zener, 81X55C8V2	1	
392	DZ 15	I Ident. to DZ9	2	
393	DZ 24	I Diode, zener, 81X55C10V	1	
394	DZ 26	I Diode, zener, 81X55CSV1	1	
395	DZ 29	I Diode, zener, 81X55CSV1	1	
396	DZ 30	I Diode, zener, 81X55C12V	2	
		I Ident. to DZ29	1	
		I	1	

 -6- PARTS LIST -4- 1 SQUARE 1000 - POWER AMPLIFIER MODULE - ref. 40.306 / 40.307 1 2 of 7 1 45.469

Item no.	Sch.ref.	Description	Qty.	EAA Part number
352	C 1	Capacitor, film, 0.47µF, 63V, MKK0	7	
353	C 2	Capacitor, ceramic, 220pf	3	
354	C 3	Ident. to C2	1	
355	C 4	Ident. to C2	1	
356	C 5	Capacitor, electrolytic, 4.7µF, 25V, MM type	2	
357	C 6	Ident. to C1	1	
358	C 7	Ident. to C5	1	
359	C 8	Ident. to C1	1	
360	C 9	Ident. to C1	1	
361	C 10	Capacitor, ceramic, 100pf, 500V	1	
362	C 11	Capacitor, ceramic, 330pf, 500V	1	
363	C 12	Capacitor, film, 22nf, 250V, MKK0	1	
364	C 13	Capacitor, film, 0.47µF, 100V, pitch 0.6" (15.24mm)	2	
365	C 14	Ident. to C13	1	
366	C 15	Capacitor, electrolytic, 47µF, 100V, MM or M6 type	2	
367	C 16	Ident. to C15	1	
	C 17	N.A.	1	
369	C 18	Capacitor, electrolytic, 100µF, 25V, M6 type	10	
370	C 19	Ident. to C18	1	
371	C 20	Ident. to C16	1	
372	C 21	Capacitor, electrolytic, 47µF, 16V, MU or M6 type	4	
373	C 22	Ident. to C18	1	
374	C 23	Ident. to C21	1	
375	C 24	Ident. to C18	1	
376	C 25	Ident. to C18	1	
377	C 26	Ident. to C1	1	
378	C 27	Capacitor, electrolytic, 220µF, 16V, MM or M6 type	1	
379	C 28	Ident. to C1	1	
380	C 29	Ident. to C1	1	
381	C 30	Capacitor, ceramic, 47pf	1	
382	C 31	Ident. to C18	1	
383	C 32	Ident. to C18	1	
384	C 33	Ident. to C18	1	
385	C 34	Capacitor, electrolytic, 330µF, 16V, MM or M6 type	1	
386	C 35	Ident. to C21	1	
387	C 36	Capacitor, film, 0.1µF, 100V, MKK0	7	
388	C 37	Ident. to C36	1	
389	C 38	Ident. to C18	1	
390	C 39	Ident. to C21	1	
392	CB 1	Printed circuit board, right channel	1	40.306F/PCB
394	CB 2	Printed circuit board, left channel	1	40.307F/PCB
396	CD	Capacitor, film, decoupling, ident. to C36	5	

Item no.	Sch.ref.	Description	Qty.	EAA Part number
301	BK 1	I Relay, mains switching, 24VDC	1	RY20-200LJ
303	C 5A	I Capacitor, film, 0.68uF, 400V	1	
304	C 5B	I Ident. to C5A	3	
305	C 5C	I Ident. to C5A	1	
306	C 6	I Capacitor, electrolytic, 47uF, 16V, MM or M6 type	1	
307	C 7	I Capacitor, electrolytic, 2200uF, 25V, GPS type	2	2200/25V-6FS
308	C 8	I Ident. to C7	1	
309	C 9	I Capacitor, electrolytic, 470uF, 50V, MM or M6 type	2	
310	C 10	I Ident. to C9	1	
311	C 11	I Capacitor, electrolytic, 1000uF, 50V, MM or M6 type	2	
312	C 12	I Ident. to C11	1	
314	CB 1	I Printed circuit board	1	44-371C/PCB
316	D 1	I Diode, BY255	1	
317	D 2	I Ident. to D1	2	
318	D 5	I Diode, 1N4006	1	
319	DZ 3	I Diode, zener, BZX55C18V	1	
320	DZ 4	I Ident. to DZ3	2	
322	F 7	I Fuse, 5x20mm, 0.5Amp. slow blow	1	
323	F 8	I Fuse, 5x20mm, 2Amp. slow blow	1	
324	F 9	I Ident. to F8	2	
326	FH 7	I Fuse holder, ref.910	3	910
327	FH 8	I Ident. to FH7	1	
328	FH 9	I Ident. to FH7	1	
330	K 1	I Relay, 24VDC, ref. RR23001LJ	1	
331	K 2	I Ident. to K1	2	RR2301LJ
333	Q 1	I Transistor BD441	1	
334	Q 2	I Transistor BD442	1	
335	Q 3	I Transistor BD682	1	
337	R 1	I Resistor, wirewound, 3.3 ohms, 7W, ref.R2C.8x35	1	
339	R 2	I Ident. to R1	2	R2C.8x35
339	R 3	I Resistor, 560 ohms, 0.25W, 5% I Ident. to R3	1	
340	R 4	I Ident. to R3	2	
341	R 5	I Resistor, 100k, 0.25W, 5% I Ident. to R5	1	
343	TB 1	I Terminal block, pitch 0.2" (5.08mm), ref. 236-401	18	236-401
344	TB 2	I Terminal block, pitch 0.375" (10mm), ref. 236-601	4	236-601
345	TB 3	I End plate, snap-on, ref. 236-100 I Ident. to TB3	4	236-100
347	I	I Timing module assembly I Ident. to I	1	44-371C/PCB.ASSY.

Item no.	Sch.ref.	Description	Qty.	EAA Part number
I	I	I	I	I
I	I	I	I	I
203	C 1	I Capacitor, electrolytic, 330mF, 16V, MM or MG type	I	I
204	C 2	I Capacitor, ceramic, 330pF, 63V	1	I
205	C 3	I Capacitor, film, 0.1mF / 100V / MKKD	1	I
206	C 4	I Ident. to C3	2	I
207	C 5	I Capacitor, electrolytic, 100mF, 25V, MG type	I	I
208	C 6	I Ident. to C5	I	I
209	C 7	I Capacitor, ceramic, 22pF, 63V	I	I
210	C 8	I Ident. to C7	I	I
211	C 9A	I Capacitor, electrolytic, 470mF, 6.3V, MM or MG type	I	I
212	C 9B	I Ident. to C9A	I	I
213	C 10	I Capacitor, electrolytic, 10mF, 25V, MM type	I	I
214	C 11	I Capacitor, electrolytic, 100mF, 6.3V, MM or MG type	I	I
215	C 12	I Capacitor, electrolytic, 47mF, 25V, MM or MG type	I	I
I	I	I	I	I
I	I	I	I	I
218	CB 1	I Printed circuit board	I	I 63.305C/PCB
I	I	I	I	I
I	I	I	I	I
221	CP 1	I Connector, plug, 5 positions	I	I
222	CP 2	I Ident. to CP1	2	I J20E8-20/5
I	I	I	I	I
I	I	I	I	I
225	DZ 1	I Diode, zener, BZX55C18V	I	I
226	DZ 2	I Ident. to DZ1	2	I
I	I	I	I	I
I	I	I	I	I
229	IC 1	I Integrated circuit IL071CP -> 261	I	I
I	I	I	I	I
I	I	I	I	I
232	P 1	I Potentiometer, adjustable, cermet, 10k	I	I VA05H-10k
I	I	I	I	I
I	I	I	I	I
235	Q 1	I Transistor 2N555J (matched with Q2)	I	I
236	Q 2	I Ident. to Q1	2	I
237	Q 3	I Transistor 2N540J (matched with Q4)	I	I
238	Q 4	I Ident. to Q3	2	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I
I	I	I	I	I

Item no.	Sch.ref.	Description	Qty.	EAA Part number
102	C 1	Capacitor, electrolytic, 47 μ F / 16V / MU type	2	
103	C 2	Ident. to C1		
105	CB 1	Printed circuit board	1	63.304A/PCB.
107	CP 1	Connector, plug, 4 positions	1	J2088-20/4
108	CP 2	Connector, plug, 6 positions	1	J2088-20/6
110	D 1	Diode, 1N4148	2	
111	D 2	Ident. to D1		
113	IC 1	Integrated circuit MC1495L	1	
114	IC 2	Integrated circuit TL071CP	1	
116	P 1	Potentiometer, adjustable, 10k	2	PT10V-HZ.5-10k
117	P 2	Ident. to P1		
118	P 3	Potentiometer, adjustable, 4.7k	1	PT10H-HZ.5-4.7k
119	P 4	Potentiometer, adjustable, 22k	1	PT10H-HZ.5-22k
121	R 1	Resistor 22k, 0.25W, 5%	1	
122	R 2	Resistor 10k, 0.25W, 5%	3	
123	R 3	Ident. to R2		
124	R 4	Ident. to R2		
125	R 5	Resistor 8.2k, 0.25W, 5%	1	
126	R 6	Resistor 27k, 0.25W, 5%	1	
127	R 7	Resistor 3.3k, 0.25W, 5%	5	
128	R 8	Ident. to R7		
129	R 9	Ident. to R7		
130	R 10	Ident. to R7		
131	R 11	Ident. to R7		
132	R 12	Resistor 27k, 0.25W, 5%	1	
133	R 13	Resistor 15k, 0.25W, 5%	1	
134	R 14	Resistor 3.9k, 0.25W, 5%	2	
135	R 15	Ident. to R14		
140	I	Multiplier module assembly	1	63.304A/PCB. ASSY.