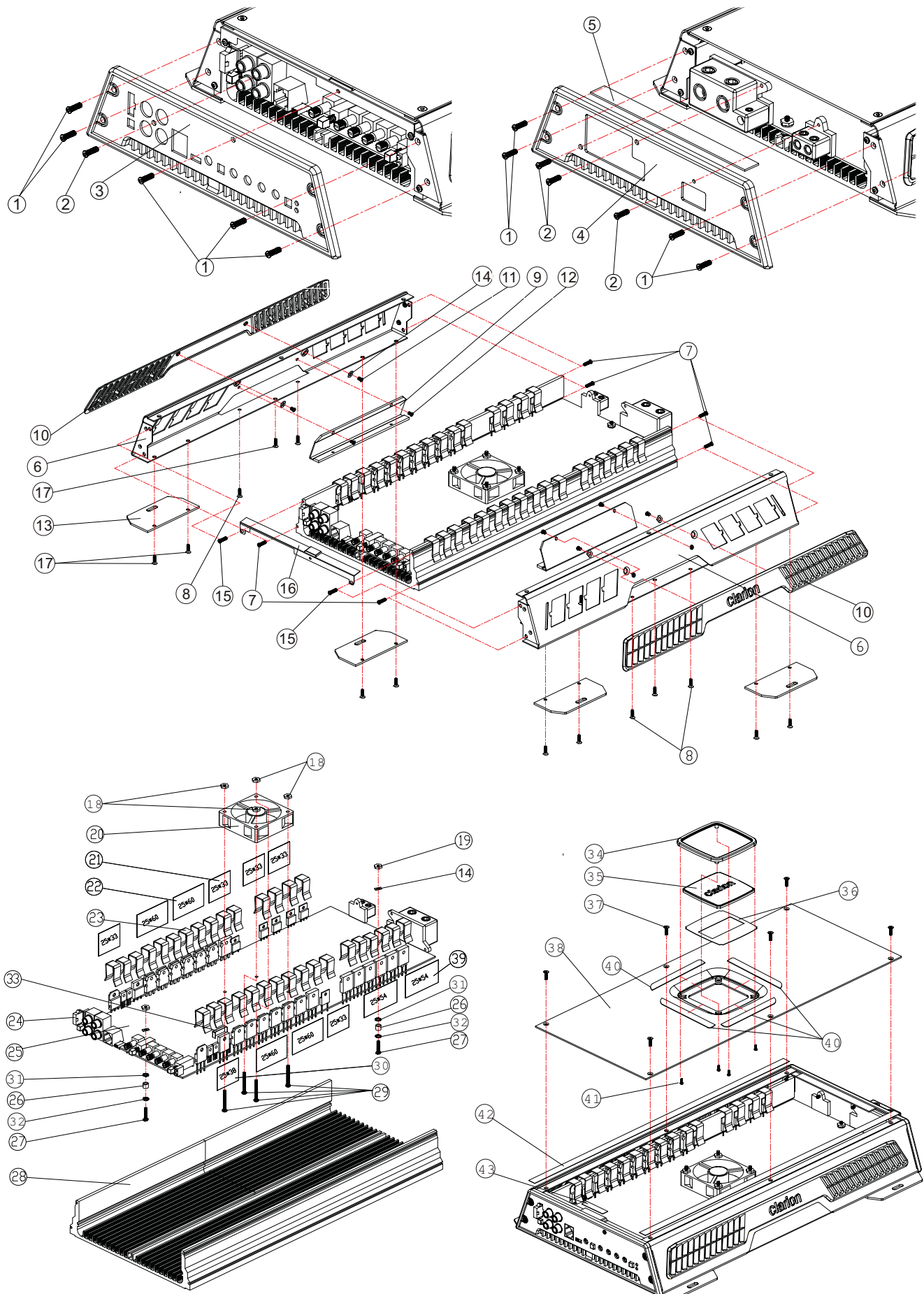


■TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
NO AUDIO	LOW OR NO REMOTE TURN-ON VOLTAGE	CHECK REMOTE CONNECTIONS AT AMPLIFIER AND SOURCE UNIT.
	BLOWN AMPLIFIER FUSE	REPLACE WITH NEW FAST-BLOW FUSE (SAME RATING).
	POWER WIRES NOT CONNECTED	CHECK BATTERY AND GROUND WIRING AT AMPLIFIER; ALSO CHECK BATTERY CONNECTIONS.
	SPEAKER LEADS SHORTED	CHECK SPEAKER CONTINUITY TO GROUND, IT SHOULD NOT SHOW A COMMON GROUND.
	SPEAKERS NOT CONNECTED OR ARE BLOWN	CHECK SPEAKER CONNECTIONS AT AMPLIFIER, MEASURE COIL IMPEDANCE.
AUDIO CYCLES ON AND OFF	THERMAL PROTECTION CIRCUITS ARE SHUTTING AMPLIFIER OFF	CHECK LOCATION FOR ADEQUATE VENTILATION; CONSULT AN AUTHORIZED CLARION AUDIO DEALER.
DISTORTED AUDIO.	GAIN IS NOT SET PROPERLY, OR DAMAGED SPEAKER CONES	REVIEW SETTING GAIN; INSPECT EACH SPEAKER CONE FOR SIGNS OF DAMAGE (I.E., FROZEN CONE, BURNING SMELL, ETC.)
AMPLIFIER FUSE KEEPS BLOWING	INCORRECT WIRING OR SHORT CIRCUIT	REVIEW INSTALLATION AND CHECK ALL WIRING CONNECTION.
WHINING OR TICKING NOISE IN THE AUDIO WITH ENGINE ON.	AMPLIFIER IS PICKING UP ALTERNATION NOISE OR RADIATED NOISE	TURN DOWN INPUT GAIN AND MOVE AUDIO CABLES AWAY FROM POWER WIRES. CHECK POWER AND GROUND CONNECTIONS ON AMPLIFIER AND INSTALL AN IN-LINE NOISE FILTER ON SOURCE UNIT'S POWER WIRE. ALSO CHECK THE ALTERNATOR AND /OR VOLTAGE. TEST FOR WEAK BATTERY OR ADD WATER TO BATTERY.

■EXPLODED VIEW / PARTS LIST

Ref.	PART NO.	DESCRIPTION	Q'TY
1	SM-VH430-08	MACHINE SCREW M3.0*8 PAN HEX SOCKET BLACK	9
2	ST-VH430-10	TAPPING SCREW T3.0*10 PAN HEX SOCKET BLACK	4
3	71-00751-00	FRONT PANEL ABS DPX11551	1
4	71-00752-00	REAR PANEL ABS DPX11551	1
5	73-00181-00	PC DECORATION PLATE 8*90*1mm	1
6	71-00753-00	SIDE PANEL L=402mm DPX11551	2
7	ST-VH430-06	TAPPING SCREW T3.0*6 PAN HEX SOCKET BLACK	6
8	ST-NF430-06	TAPPING SCREW M3.0*6mm FLAT HEX SOCKET BLACK	4
9	74-00223-00	ALUMI PLATE L=140mm	2
10	73-00179-00	VENT PANEL ABS BLACK DPX11551	2
11	ST-RP430-04	TAPPING SCREW T3.0*4mm ROUND BLACK	4
12	SM-VH430-04	MACHINE SCREW M3.0*4 PAN HEX SOCKET BLACK	4
13	74-00224-00	FOOT BASE L=80mm W=40mm	4
14	YH-00028-00	WASHER 1mm *6.5mm/3.6mm	4
15	ST-FQ430-08	TAPPING SCREW "+" FLAT 0.5mm 3*8mm BLACK	2
16	73-00182-00	FRONT BRACKET ZINE CLARION	1
17	SM-NF430-10	MACHINE SCREW M3.0*10mm FLAT HEX BLACK	10
18	NM-OH330-00	NUT M3.0*P0.5	4
19	YH-00026-00	NUT K/NUT6#-32TSZ	2
20	75-00001-01	FAN 60mm*15mmTALL L-50mm	1
21	78-00470-00	MICA 25mm*33mm'	5
22	78-00472-00	MICA 25mm*60mm	4
23	74-00153-00	CLIP BLACK	32
24	35-00121-00	5P CONNECTOR H7755P-05 L-300mm	1
25	11-00709-00	PCB DPX11551 1.02	1
26	YH-00024-01	BRASS RING CU COVER6.3*4.5*4.0NO	2
27	YH-00027-00	SCREW H6#-32T*5/8SZ	2
28	77-00380-00	HEATSINK BLACK L=400mm	1
29	SM-RP430-20	MACHINE SCREW TRUSS BLACK M3.0*20mm	4
30	78-00448-00	MICA 25mm*38mm	1
31	YH-00029-00	NUT BW3.5*8*0.5SZ	2
32	YH-00025-00	WASHER PW4.2*10*1.0SZ	2
33	74-00191-00	TRANSISTER CLIP	1
34	75-00242-00	LOGO FRAME ABS	1
35	75-00241-00	LOGO ABS	1
36	76-00439-00	LIGHT GUIDE PLATE FR-1 0.25	1
37	SM-NF230-08	MACHINE SCREW M3.0*8mm FLAT HEX SOCKET NI	6
38	72-00500-00	TOP COVER L=402mm [1550W]	1
39	78-00473-00	MICA 25mm*54mm	2
40	78-00488-00	NONWOVEN	4
41	ST-RP420-05	TAPPING SCREW T2.0*5mm BLACK ROUND	4
42	78-00483-00	NONWOVEN 401*7.5*0.2mm	2
43	78-00487-00	NONWOVEN 20*6*0.2mm	5



ELECTRICAL PART LIST

PART NO.	DESCRIPTION	Q'TY	REF NO.
04-21040-87	CERAMIC 104/Z 50V 0805	28	C1 C16 C24 C27 C28 C30 C31 C38 C39 C42 C52 C53 C55 C69 C70 C73 C78 C79 C83 C85 C94 C96 C106 C110 C113 C116 C117 C35
06-00273-00	CAP MMYL ECQB 1H273JF 50V P=5	2	C114 C115
02-22403-41	E/C 2400uf 50V LOW ESR 18*30	8	C18 C19 C20 C21 C99 C100 C101 C102
02-21001-41	E/C 10uf 50V 5*11	8	C2 C7 C11 C12 C13 C14 C26 C68
02-24701-31	E/C 47uf 25V 105° 6.3*11	4	C3 C56 C81 C111
04-21030-85	CERAMIC 103/K 50V 0805	2	C32 C93
02-21003-61	E/C 1000uf 63V L ESR 16*31.5	8	C33 C34 C48 C49 C75 C76 C89 C90
06-00104-03	CAP MMYL ECQV 1H104JL 50V P=5	5	C36 C97 C98 C105 C108
04-20680-85	CERAMIC 68P/J 50V 0805	3	C37 C45 C71
06-00104-02	CAP MMYL ECQV 1104JM 100V P=5	2	C4 C112
06-00152-00	CAP MMYL ECQB 1H152JF 50V P=5	1	C40
04-20100-86	CERAMIC 10P/J 50V 0805	5	C41 C22 C23 C25 C29
02-21000-41	E/C 1uf 50V 5*11	2	C43 C64
04-24720-86	CERAMIC 472/K 50V 0805	1	C44
04-24740-86	CERAMIC 474/Z 25V 0805	4	C46 C47 C54 C95
04-21000-85	CERAMIC 100P/J 50V 0805	4	C5 C15 C17 C107
06-00472-02	CAP MMYL ECQB 1H472JF 50V P=5	1	C50
02-26803-21	E/C 6800uf 16V LOW ESR 18*30	6	C57 C58 C65 C66 C86 C104
02-24702-31	E/C 470uf 25V LOW ESR 10*15	3	C59 C61 C103
06-00102-02	CAP MMYL ECQB 2102JF 400V P=5	2	C6 C109
04-21020-85	CERAMIC 102/K 50V 0805	1	C60
02-24700-31	E/C 4.7uf 25V 5*11	1	C62
06-00823-00	CAP MMYL ECQB 1H823JF 50V P=5	2	C67 C77
04-22720-85	CERAMIC 272/J 50V 0805	1	C72
04-24700-85	CERAMIC 470P/K 50V 0805	2	C74 C88
06-00224-02	CAP MMYL 224J 100V P=7.5	1	C8
04-22730-85	CERAMIC 273/K 50V 0805	1	C80
06-00274-00	CAP MMYL ECQV 1H274JL 50V P=5	4	C82 C84 C91 C92
02-22202-32	E/C 220uf 25V 8*11	1	C87
02-21003-30	E/C 1000uf 25V 105° 10*20	2	C9 C10
09-40016-00	R.U. MUR1520,FES16DT 16A 200V	2	D1 D38
09-70001-00	AXIAL DIODE 6A 200V R-6	2	D13 D34
09-04934-85	DL4934-MELF 1A 100V SMD	3	D19 D20 D31
09-01620-01	ULTRA-FAST RECO U16C20C	2	D2 D3
09-01620-02	ULTRA-FAST RECO U16C20A	2	D4 D5
09-04935-85	DL4935-MELF 1A 200V SMD	2	D6 D37
09-14001-85	DIODE 1N4001TB miniMELF SMD	2	D7 D11
09-14148-85	DIODE 1N4148-SOD80 miniMELF	23	D8 D9 D10 D12 D14 D15 D16 D17 D18 D21 D22 D23 D24 D25 D26 D27 D28 D29 D30 D32 D33 D35 D36
09-20160-85	ZENER 16V DL-35(miniMELF)	2	DZ1 DZ9
09-20180-85	ZENER 18V DL-35 miniMELF	2	DZ2 DZ7
09-00051-85	ZENER 5.1V DL-35 miniMELF	2	DZ3 DZ6
09-20100-85	ZENER 10V DL-35 miniMELF	1	DZ4
09-20060-85	ZENER 6V DL-35 miniMELF	1	DZ5
09-20510-85	ZENER 51V DL-35 miniMELF	2	DZ8 DZ10
32-00668-00	JACK 4P WHITE WSP-244VS-03 GOLD	1	J1

PART NO.	DESCRIPTION	Q'TY	REF NO.
32-00685-01	TERMINAL JSZ2-25A 2P BLACK "+" GOLD UP	1	J2
30-00104-00	RJ41 6P BLACK RIGHT ANGLE 90°	1	J3
30-00115-00	2P BASE XH 2.5 180°	1	J4
30-00289-00	5P BASE XH PH2.0 180°	1	J5
32-00686-00	TERMINAL JSZ3-27A 3P BLACK "+" GOLD UP	1	J6
01-00098-00	JUMPPER 2mm*63mm H=7mm	1	JP1-JP2
25-00745-00	WIRE WHITE 1015 #12 230mm 8*8	1	JP3-JP4
25-00744-00	WIRE WHITE 1015 #12 130mm 8*8	1	JP5-JP8
25-00730-00	WIRE RED 1015 #12 180mm 8*8	1	JP6-JP7
25-00751-00	WIRE BLACK 1015 #12 98mm 8*8	1	JP9-JP10
20-00113-00	BEAD 110ohm @100MHz 3.5*9*0.8	2	L1 L4
20-00245-00	OUTPUT CHOKE DPX1851-1010	1	L2
76-00388-00	CABLE TIE JL-160 4.8mm*160mm	2	L2
20-00184-00	OUTPUT COIL SE-1000-ZIB	1	L3
19-00302-03	LED BLUE 1L0345FB12E0CF001	6	LED1 LED2 LED3 LED4 LED5 LED6
78-00479-00	SILICONE TUBE 1mm*22mm	12	LED1 LED2 LED3 LED4 LED5 LED6
19-00335-00	LED 3mm RED 1L0341S11A0TE001	1	LED7
19-00338-00	LED 3mm BLUE 1L034FB12C0TE001	1	LED7
24-00316-00	LED HOLDER 3mm LED-306	1	LED7
08-00064-00	I.C. HUF75344G3 75A 55V TO-247	8	M1 M2 M3 M4 M5 M6 M7 M8
78-00284-00	SILICONE TUBE 2mm*6mm	40	M1 M2 M3 M4 M5 M6 M7 M8 Q5 Q6 Q7 Q8 Q9 Q10 Q41 Q42 Q43 Q44 Q45 Q46
76-00407-00	TEST PIN JT-1P-CIW	4	P7 P8 P9 P10
08-00107-00	TRANS TIP107 100V 8A T0220 'ST'	1	Q1
78-00348-00	SILICONE TUBE 1mm*8mm	30	Q1 Q2 Q3 Q4 D1 D2 D3 D4 D5 Q36 Q37 Q38 Q39 D38 TH2
08-10056-85	TR MMBTA56LT1 SOT-23 'ON'	7	Q11 Q13 Q14 Q15 Q28 Q30 Q48
08-10006-85	TR MMBTA06LT1 SOT-23 'ON'	10	Q12 Q16 Q17 Q19 Q20 Q24 Q27 Q29 Q31 Q47
08-05401-00	2N5401 160V 600mA EBC TO-92 TAPE	2	Q18 Q21
08-00340-00	TRANS MJE340G 0.5A 300V 'ON'	2	Q2 Q37
08-05551-00	2N5551 160V 600mA EBC TO-92 TAPE	2	Q22 Q23
08-26726-00	TR MPS751G 'ON' 2N6726 TO-237	3	Q25 Q32 Q34
08-26715-00	TR MPS651G 'ON' 2N6715 TO-237	3	Q26 Q33 Q35
08-00350-00	TRANS MJE350G 0.5A 300V 'ON'	2	Q3 Q38
08-00102-00	TRANS TIP102 100V 8A T0220 'ST'	1	Q36
08-04883-00	TRANS 2SC4883A 2A 'SANKEN'	1	Q39
08-01859-00	TRANS 2SA1859A 2A 'SANKEN'	1	Q4
08-10006-01	TRANS MPSA06 TO-92 'ON'	1	Q40
78-00323-00	SILICONE TUBE 1mm*10mm	2	Q40
08-03263-00	TRANS 2SC3263 15A 'SANKEN'	6	Q41 Q42 Q43 Q44 Q45 Q46
08-01294-00	TRANS 2SA1294 15A 'SANKEN'	6	Q5 Q6 Q7 Q8 Q9 Q10
34-00150-00	5P CONNECTOR H7755R-05 L-100mm	1	R+ R- L+ L- GND
01-51000-85	RESISTOR 10 ohm 1% 0805	4	R1 R8 R225 R245
01-51020-88	RESISTOR 1 K 1% 1206	2	R10 R221
01-53310-85	RESISTOR 332 ohm 1% 0805	2	R102 R133
01-55610-85	RESISTOR 562 ohm 1% 0805	1	R103
01-52010-85	RESISTOR 200 ohm 1% 0805	2	R105 R116
01-55101-85	RESISTOR 5.11 K 1% 0805	3	R106 R213 R19

PART NO.	DESCRIPTION	Q'TY	REF NO.
01-54120-85	RESISTOR 41.2 K 1% 0805	2	R109 R141
01-53600-85	RESISTOR 36.5 ohm 1% 0805	2	R11 R224
01-51110-86	RESISTOR 110 ohm 1% 1206	1	R111
01-54710-86	RESISTOR 475 ohm 1% 1206	1	R112
01-56820-85	RESISTOR 6.81 K 1% 0805	4	R113 R203 R208 R209
01-55618-85	RESISTOR 56.2 ohm 1% 0805	2	R114 R183
01-56830-85	RESISTOR 68.1 K 1% 0805	4	R12 R17 R204 R216
01-51420-85	RESISTOR 1.43 K 1% 0805	3	R124 R182 R186
01-57510-85	RESISTOR 750 ohm 1% 0805	1	R125
01-53020-86	RESISTOR 3.01 K 1% 0805	1	R127
01-51620-85	RESISTOR 1.62 K 1% 0805	2	R128 R139
01-51240-85	RESISTOR 124 K 1% 0805	4	R13 R14 R15 R16
01-52020-85	RESISTOR 2 K 1% 0805	10	R130 R165 R170 R173 R175 R176 R188 R189 R193 R196
01-51210-85	RESISTOR 121 ohm 1% 0805	1	R136
01-53630-85	RESISTOR 36.5 K 1% 0805	1	R145
01-51430-85	RESISTOR 14 K 1% 0805	1	R146
01-53910-85	RESISTOR 392 ohm 1% 0805	3	R148 R206 R207
01-55001-85	RESISTOR 5.11 ohm 1% 0805	7	R151 R229 R232 R236 R243 R244 R246
01-57530-85	RESISTOR 75 K 1% 0805	1	R154
01-59320-85	RESISTOR 9.31 K 1% 0805	1	R157
01-53320-85	RESISTOR 3.32 K 1% 0805	3	R158 R159 R210
01-53030-85	RESISTOR 30.1 K 1% 0805	3	R164 R166 R187
01-57120-85	RESISTOR 7.15 K 1% 0805	4	R168 R169 R191 R192
01-53520-85	RESISTOR 3.48 K 1% 0805	2	R171 R194
01-51040-85	RESISTOR 100 K 1% 0805	3	R178 R219 R222
01-51010-85	RESISTOR 100 ohm 1% 0805	8	R18 R28 R64 R74 R212 R214 R218 R223
01-55130-85	RESISTOR 51.1 K 1% 0805	1	R184
01-58210-85	RESISTOR 825 ohm 1% 0805	1	R197
01-55120-86	RESISTOR 5.11 K 1% 1206	2	R198 R27
01-51730-85	RESISTOR 17.4 K 1% 0805	2	R199 R202
01-52030-85	RESISTOR 20 K 1% 0805	21	R2 R39 R40 R51 R52 R59 R60 R72 R85 R120 R134 R137 R144 R147 R153 R155 R162 R163 R167 R185 R235
01-11002-22	RESISTOR 1.1 ohm 1/2W 5%	2	R230 R231
01-51530-88	RESISTOR 15 K 1% 1206	4	R25 R26 R86 R90
01-10005-12	RESISTOR 0.51 ohm 1W MO	1	R29
01-55001-87	RESISTOR 5.1 ohm 1% 1206	4	R3 R95 R96 R234
01-53330-86	RESISTOR 33.2 K 1% 1206	1	R30
01-10001-73	RESISTOR 0.1 ohm 2W 5% MO	12	R31 R32 R33 R34 R35 R36 R220 R238 R239 R240 R241 R242
01-57520-85	RESISTOR 7.5 K 1% 0805	3	R37 R104 R107
01-52210-85	RESISTOR 221 ohm 1% 0805	1	R38
01-51020-85	RESISTOR 1 K 1% 0805	12	R4 R20 R21 R22 R23 R97 R121 R122 R156 R172 R174R227
01-51520-85	RESISTOR 1.5 K 1% 0805	2	R42 R43
01-51530-85	RESISTOR 15 K 1% 0805	3	R45 R152 R161
01-54720-85	RESISTOR 4.75 K 1% 0805	18	R46 R56 R76 R77 R78 R83 R84 R110 R115 R118 R119 R131 R138 R140 R142 R143 R195 R108
01-51250-85	RESISTOR 1.21 M 1% 0805	4	R49 R73 R79 R80

PART NO.	DESCRIPTION	Q'TY	REF NO.
01-51030-85	RESISTOR 10 K 1% 0805	21	R5 R6 R24 R41 R44 R47 R48 R55 R57 R62 R63 R69 R89 R91 R179 R190 R200 R201 R211 R217 R228
01-55230-85	RESISTOR 52.3 K 1% 0805	4	R50 R53 R58 R61
01-54710-85	RESISTOR 475 ohm 1% 0805	8	R54 R82 R123 R126 R132 R135 R233 R237
01-54730-85	RESISTOR 47.5 K 1% 0805	3	R65 R177 R180
01-54930-85	RESISTOR 49.9 K 1% 0805	3	R66 R87 R94
01-58450-85	RESISTOR 845 ohm 1% 0805	1	R67
01-52005-86	RESISTOR 2.2 ohm 1% 1206	1	R68
01-51100-86	RESISTOR 1.1 ohm 1% 1206	2	R7 R226
01-53910-86	RESISTOR 392 ohm 1% 1206	2	R70 R181
01-57320-85	RESISTOR 7.32 K 1% 0805	2	R71 R101
01-51640-85	RESISTOR 162 K 1% 0805	1	R81
01-13000-73	RESISTOR 30 ohm 2W 5% MO	2	R88 R92
01-52200-85	RESISTOR 22.1 ohm 1% 0805	10	R9 R75 R93 R100 R117 R129 R150 R160 R205 R215
01-52520-85	RESISTOR 2.55 K 1% 0805	1	R98
01-53920-85	RESISTOR 3.92 K 1% 0805	2	R99 R149
18-00863-00	SWITCH EG-2315A 2P3T	1	S1
18-00159-00	SW-4P2T JFPB-41S-A(N)	1	SW1
18-00892-00	SW-2P2T JFPB-21S-A(N)	2	SW2 SW3
13-11003-00	TH 100K NTC 6mm DIA	2	TH1 TH2
07-00072-85	IC TL072CDR 'TI' SOIC SMD	5	U1 U3 U4 U12 U24
07-00074-85	IC TL074CDR 'TI' SOIC SMD	3	U13 U16 U21
07-00431-85	IC TL431DBZR 'TI' SOT-23-3	1	U15
07-03525-85	IC SG3525AP SO16 SMD 'ST'	1	U19
07-00817-00	IC H11A817 'FSC'	7	U2 U9 U10 U14 U17 U18 U23
07-90001-00	IC PIC18F1220-I/P	1	U20
07-05532-85	IC NJM5532M JRC SOIC SMD	5	U5 U6 U8 U11 U22
07-00393-85	IC LM393DT 'SGS' SMD	1	U7
13-00222-01	POT TRIM-6MM-VERT-470ohm	1	V1
13-00208-00	POT TRIM-6MM-VERT-220ohm	2	V2 VR5
15-20203-29	B20K*2 F09125G B20Kb L15KQA	2	VR1 VR2
15-25030-07	C50K*2 F09125G C50Kb L15KQA	1	VR3
15-40050-11	C50K*4 F09145G C50Kb L15KQA	2	VR4 VR6
20-00237-00	TRANSFORMER DPX11551	1	X1