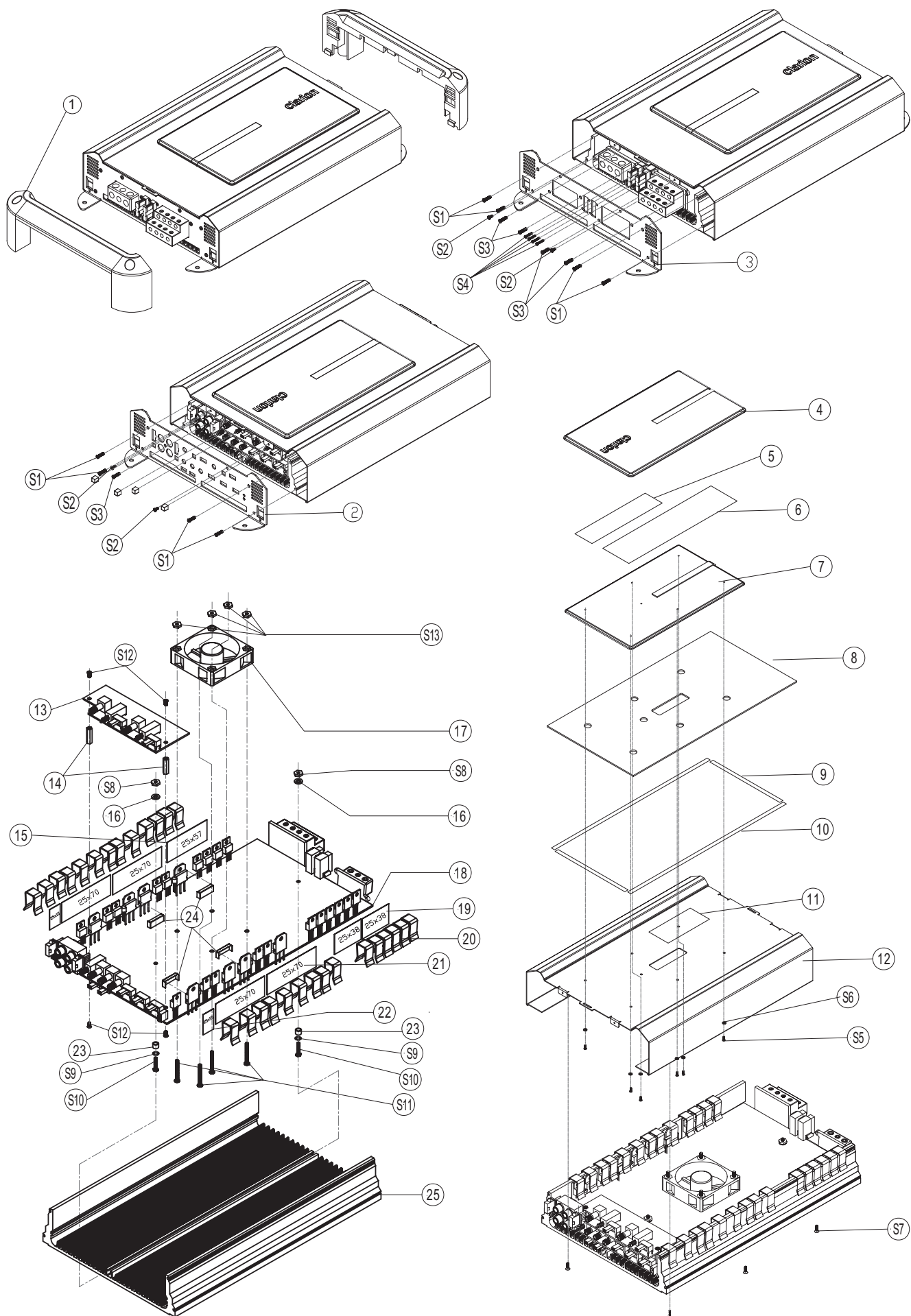


TROUBLESHOOTING

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

PART #	DESCRIPTION	Q'TY	UNIT	LOCATION #
UB 73-00193-00	End Caps XH series Black	PCS	2	1
UB 71-00828-00	Front Metal Plate Black XH5410	PCS	1	2
UB 71-00829-00	Rear Metal Plate Black XH5410	PCS	1	3
UB 75-00265-01	Aluminum Logo Plate XH5410	PCS	1	4
UB 78-00531-00	3M Double-side Tape 6mm*210mm ^	PCS	2	5
UB 78-00547-00	3M Double-side Cpa 50mm*205mm	PCS	2	6
UB 75-00264-00	PC illuminated plate XH series	PCS	1	7
UB 75-00266-00	PC plate XH5410	PCS	1	8
UB 78-00541-00	3M Double-side Tape 6mm*130mm ^	PCS	2	9
UB 78-00543-00	3M Double-side Tape 6mm*290mm ^	PCS	2	10
UB 76-00460-00	Lighting guide film FR-1 0.25	PCS	1	11
UB 72-00548-00	Top Metal Plate Black XH5410 L=312.8mm	PCS	1	12
UB 10-00718-00	VR PCB Assembly APX4361,XH5410 ver 1.04	KIT	1	13
UB 76-00441-00	Plastic post Hex H-16	PCS	2	14
UB 78-00475-00	MICA 25mm*57mm	PCS	1	15
UB YH-00025-00	Washer PW4.2*10*1.0SZ	PCS	2	16
UB 75-00001-01	FAN 60mm*15mm L-50mm+PIN	PCS	1	17
UB 10-00717-00	Main PCB Assembly APX4361,XH5410 ver 1.04	KIT	1	18
UB 78-00448-00	MICA 25mm*38mm	PCS	2	19
UB 74-00153-00	Clip Black	PCS	28	20
UB 78-00317-00	MICA 25mm*70mm	PCS	4	21
UB 78-00474-00	MICA 25mm*15mm	PCS	2	22
UB YH-00024-01	Copper Ring CU ring 6.3*4.5*inner 4.0NO	PCS	2	23
UB 74-00213-00	Clips for 35C,36C TR	PCS	4	24
UB 77-00425-00	Heatsink XH5410 Black L=301.8mm	PCS	1	25
UB ST-VH430-08	Screw Round Flat Hex Black T3.0*8	PCS	8	S1
UB YH-00027-00	Screw H6#-32T*5/8SZ	PCS	2	S10
UB SM-RP430-20	SCREW TRUSS BLACK M3.0*20mm	PCS	4	S11
UB SM-RP430-08	Screw Round Head Black M3.0*8mm	PCS	4	S12
UB NM-OH330-00	NUT M3.0*P0.5	PCS	4	S13
UB SM-VH426-05	Screw Round Flat Head Hex Black M2.6*5	PCS	4	S2
UB ST-VH430-10	Screw Round Flat Head Hex Black T3.0*10	PCS	5	S3
UB ST-RP420-08	Screw Round Head Black T2.0*8mm	PCS	4	S4
UB ST-RP420-05	Screw Round Head Black T2.0*5mm	PCS	6	S5
UB YH-00031-00	Washer outer4.8 inner2.15 thickness 0.6mm black	PCS	6	S6
UB SM-NF430-08	Screw Flat Head Hex Black M3.0*8mm	PCS	6	S7
UB YH-00026-00	Nut K/NUT6#-32TSZ	PCS	2	S8
UB YH-00029-00	BW3.5*8*0.5SZ	PCS	2	S9



ELECTRICAL PART LIST

Main PCB Section

PART #	DESCRIPTION	QTY	UNIT	LOCATION #
UB 01-10001-73	RESISTOR 0.1 ohm 2W 5% MO	8	PCS	R30 R31 R32 R33 R262 R265 R263 R264
UB 01-11002-22	RESISTOR 1.1 ohm 1/2W 5%	2	PCS	R233 R234
UB 01-13000-22	RESISTOR 30 ohm 1/2W MO	1	PCS	R130
UB 01-50000-85	RESISTOR0 ohm 0805	1	PCS	R173
UB 01-51010-85	RESISTOR 100 ohm 1% 0805	1	PCS	R180
UB 01-51020-85	RESISTOR 1 K 1% 0805	22	PCS	R11 R26 R27 R28 R29 R63 R66 R76 R77 R78 R79 R89 R100 R101 R102 R103 R111 R115 R198 R201 R228 R232
UB 01-51030-85	RESISTOR 10 K 1% 0805	7	PCS	R119 R123 R126 R158 R159 R166 R167
UB 01-51040-85	RESISTOR 100 K 1% 0805	1	PCS	R150
UB 01-51110-86	RESISTOR 110 ohm 1% 1206	1	PCS	R104
UB 01-51230-86	RESISTOR 12.1 K 1% 0805	8	PCS	R58 R62 R70 R74 R190 R194 R202 R206
UB 01-51430-85	RESISTOR 14 K 1% 0805	2	PCS	R138 R142
UB 01-51530-87	RESISTOR 15.8 K 1% 0805	1	PCS	R163
UB 01-51830-86	RESISTOR 18.2 K 1% 1206	1	PCS	R225
UB 01-52010-85	RESISTOR 200 ohm 1% 0805	1	PCS	R227
UB 01-52020-85	RESISTOR 2 K 1% 0805	18	PCS	R1 R20 R56 R60 R64 R65 R68 R72 R192 R196 R199 R200 R204 R208 R216 R229 R237 R239
UB 01-52030-85	RESISTOR 20 K 1% 0805	25	PCS	R46 R47 R48 R49 R84 R85 R86 R87 R118 R132 R133 R137 R139 R143 R144 R145 R147 R149 R155 R164 R168 R170 R230 R258 R261
UB 01-52200-85	RESISTOR 22.1 ohm 1% 0805	31	PCS	R3 R6 R7 R10 R13 R15 R55 R57 R59 R61 R67 R69 R71 R73 R125 R191 R193 R195 R197 R203 R205 R207 R209 R241 R245 R250 R253 R254 R257 R266 R269
UB 01-52320-85	RESISTOR 2.37 K 1% 0805	4	PCS	R94 R95 R117 R127
UB 01-52430-85	RESISTOR 24 K 1% 0805	8	PCS	R42 R43 R44 R45 R51 R52 R53 R54
UB 01-52520-84	RESISTOR 2.5 K 1% 0805	4	PCS	R12 R14 R242 R246
UB 01-53320-85	RESISTOR 3.32 K 1% 0805	1	PCS	R131
UB 01-53530-85	RESISTOR 35.7 K 1% 0805	4	PCS	R141 R148 R160 R171
UB 01-53630-85	RESISTOR 36.5 K 1% 0805	2	PCS	R140 R165
UB 01-53910-85	RESISTOR 392 ohm 1% 0805	1	PCS	R215
UB 01-53910-86	RESISTOR 392 ohm 1% 1206	2	PCS	R93 R182
UB 01-53930-85	RESISTOR 39.2 K 1% 0805	1	PCS	R226
UB 01-54710-85	RESISTOR 475 ohm 1% 0805	11	PCS	R4 R5 R8 R9 R152 R240 R249 R251 R252 R255 R256
UB 01-54710-86	RESISTOR 475 ohm 1% 1206	1	PCS	R116
UB 01-54720-85	RESISTOR 4.75 K 1% 0805	27	PCS	R106 R107 R108 R109 R121 R122 R128 R129 R154 R156 R157 R161 R162 R172 R174 R175 R177 R178 R181 R183 R184 R185 R187 R210 R211 R213 R214
UB 01-54730-85	RESISTOR 47.5 K 1% 0805	3	PCS	R120 R124 R134
UB 01-55001-85	RESISTOR 5.11 ohm 1% 0805	7	PCS	R243 R247 R248 R259 R260 R267 R268
UB 01-55001-87	RESISTOR 5.1 ohm 1% 1206	10	PCS	R24 R25 R50 R75 R88 R90 R91 R92 R110 R112
UB 01-55101-85	RESISTOR 5.11 K 1% 0805	1	PCS	R114
UB 01-55310-85	RESISTOR 536 ohm 1% 0805	4	PCS	R105 R113 R135 R136
UB 01-55618-85	RESISTOR 56.2 ohm 1% 0805	9	PCS	R34 R37 R38 R41 R151 R217 R220 R221 R224
UB 01-55930-85	RESISTOR 59 K 1% 0805	8	PCS	R16 R17 R18 R19 R80 R81 R82 R83
UB 01-56800-85	RESISTOR 681 ohm 1% 0805	9	PCS	R35 R36 R39 R40 R212 R218 R219 R222 R223
UB 01-56820-85	RESISTOR 6.81 K 1% 0805	4	PCS	R2 R21 R236 R238
UB 01-57530-85	RESISTOR 75 K 1% 0805	2	PCS	R146 R169

PART #	DESCRIPTION	QTY	UNIT	LOCATION #
UB 01-57820-87	RESISTOR 7.87 K 1% 1206	2	PCS	R186 R189
UB 01-58220-85	RESISTOR 8.25 K 1% 0805	2	PCS	R153 R176
UB 01-59010-85	RESISTOR 909 ohm 1% 0805	4	PCS	R22 R23 R231 R235
UB 01-59020-85	RESISTOR 9.09 K 1% 0805	4	PCS	R96 R97 R98 R99
UB 01-59320-85	RESISTOR 9.31 K 1% 0805	1	PCS	R244
UB 02-21000-41	E/C 1uf 50V 5*11	9	PCS	C17 C18 C19 C20 C33 C46 C59 C60 C65
UB 02-21001-41	E/C 10uf 50V 5*11	5	PCS	C15 C16 C21 C48 C122
UB 02-21003-30	E/C 1000uf 25V 105°10*20	2	PCS	C88 C91
UB 02-21803-51	E/C 1800uf 35V LOW ESR 18*25	4	PCS	C58 C71 C80 C89
UB 02-22202-32	E/C 220uf 25V 8*11	1	PCS	C76
UB 02-24700-41	E/C 4.7uf 25V 105°6.3*11	1	PCS	C87
UB 02-24701-31	E/C 47uf 25V 105°6.3*11	7	PCS	C5 C31 C32 C67 C93 C99 C123
UB 02-24702-31	E/C 470uf 25V LOW ESR 10*15	2	PCS	C49 C50
UB 02-26803-21	E/C 6800uf 16V LOW ESR 18*30	3	PCS	C84 C90 C107
UB 04-20100-86	CERAMIC 10P/J 50V 0805	12	PCS	C35 C39 C97 C102 C26 C27 C28 C29 C40 C41 C42 C43
UB 04-20270-85	CERAMIC 27P/J 50V 0805	1	PCS	C70
UB 04-20330-86	CERAMIC 33P/J 50V 0805	2	PCS	C2 C47
UB 04-20680-85	CERAMIC 68P/J 50V 0805	8	PCS	C9 C13 C52 C53 C54 C55 C124 C125
UB 04-21020-85	CERAMIC 102/K 50V 0805	4	PCS	C36 C37 C100 C101
UB 04-21030-85	CERAMIC 103/K 50V 0805	2	PCS	C82 C95
UB 04-21040-87	CERAMIC 104/Z 50V 0805	32	PCS	C1 C7 C11 C22 C23 C24 C25 C34 C38 C44 C45 C56 C57 C68 C77 C83 C86 C92 C96 C98 C103 C104 C108 C109 C110 C111 C112 C116 C119 C121 C129 C130
UB 04-21500-85	CERAMIC 150P/J 50V 0805	8	PCS	C6 C8 C10 C12 C115 C117 C118 C120
UB 04-21530-85	CERAMIC 153/K 50V 0805	1	PCS	C79
UB 04-22720-85	CERAMIC 272/J 50V 0805	1	PCS	C126
UB 04-22730-85	CERAMIC 273/K 50V 0805	4	PCS	C3 C4 C127 C128
UB 04-23300-85	CERAMIC 330P/K 50V 0805	4	PCS	C61 C64 C62 C63
UB 04-24720-86	CERAMIC 472/K 50V 0805	1	PCS	C72
UB 04-24740-86	CERAMIC 474/Z 25V 0805	3	PCS	C73 C94 C105
UB 06-00104-03	CAP MMYL ECQV 1H 104JL 50V P=5	8	PCS	C14 C30 C51 C66 C75 C78 C81 C85
UB 06-00393-00	CAP MMYL ECQB 1H 393JF 50V P=5	2	PCS	C113 C114
UB 06-00472-02	CAP MMYL ECQB 1H 472JF 50V P=5	1	PCS	C74
UB 07-00072-85	IC TL072CDR 'TI' SOIC SMD	2	PCS	U5 U9
UB 07-00074-85	IC TL074CDR 'TI' SOIC SMD	4	PCS	U2 U3 U6 U8
UB 07-00431-85	IC TL431IDBZR 'TI' SOT-23-3	1	PCS	U15
UB 07-00716-00	IC PIC16F716-I/P^	1	PCS	U4
UB 07-00817-00	IC H11A817 'FSC'	3	PCS	U7 U13 U14
UB 07-03525-85	IC SG3525AP SO16 SMD 'ST'	1	PCS	U16
UB 07-05532-85	IC NJM5532M JRC SOIC SMD	3	PCS	U10 U11 U12
UB 07-L7815-00	REGULATOR L7815CV TO-220 'ST'	1	PCS	U17
UB 07-L7915-00	REGULATOR L7915CV TO-220 'ST'	1	PCS	U1
UB 08-00031-00	TRANSISTOR TIP31C 4A/100V 'ST'	4	PCS	Q2 Q7 Q50 Q55
UB 08-00032-00	TRANSISTOR TIP32C 4A/100V 'ST'	4	PCS	Q3 Q8 Q49 Q54
UB 08-00035-00	TRANSISTOR TIP35C 25A/100V 'ST'	4	PCS	Q1 Q6 Q51 Q56
UB 08-00036-00	TRANSISTOR TIP36C 25A/100V 'ST'	4	PCS	Q5 Q10 Q47 Q52
UB 08-10006-01	TRANS MPSA06 TO-92 'ON'	4	PCS	Q4 Q9 Q48 Q53
UB 08-10006-85	TR MMBTA06LT1 SOT-23 'ON'	17	PCS	Q11 Q12 Q17 Q18 Q21 Q22 Q25 Q26 Q27 Q30 Q33 Q34 Q37 Q38 Q42 Q44 Q45
UB 08-10056-85	TR MMBTA56LT1 SOT-23 'ON'	9	PCS	Q19 Q20 Q23 Q24 Q29 Q31 Q32 Q35 Q36

PART #	DESCRIPTION	QTY	UNIT	LOCATION #
UB 08-10647-01	TRANS 2SB647 1A TO-92	4	PCS	Q13 Q15 Q39 Q41
UB 08-10667-01	TRANS 2SD667 1A TO-92	4	PCS	Q14 Q16 Q40 Q43
UB 08-26715-00	TR MPS651G 'ON'2N6715 TO-237	1	PCS	Q28
UB 08-26726-00	TR MPS751G 'ON'2N6726 TO-237	1	PCS	Q46
UB 08-50N06-00	FET FQP50N06 TO-220AB	6	PCS	M1 M2 M3 M4 M5 M6
UB 09-00051-85	ZENER 5.1V DL-35 miniMELF	1	PCS	DZ1
UB 09-00099-85	DIODE BAV99LT1G 70V SOT23^	4	PCS	D11 D12 D17 D18
UB 09-04934-85	DL4934-MELF 1A 100V SMD	2	PCS	D13 D14
UB 09-14001-85	DIODE 1N4001TB miniMELF SMD	2	PCS	D15 D16
UB 09-14148-85	DIODE 1N4148-SOD80 miniMELF	14	PCS	D5 D6 D7 D8 D9 D10 D19 D20 D22 D23 D24 D25 D26 D27
UB 09-15401-01	1N5402 3A/200V DC-201AD	1	PCS	D21
UB 09-20060-85	ZENER 6V DL-35 miniMELF	1	PCS	DZ2
UB 09-20100-85	ZENER 10V DL-35 miniMELF	1	PCS	DZ3
UB 09-20510-85	ZENER 51V DL-35 miniMELF	2	PCS	DZ4 DZ5
UB 09-40008-00	MUR820PBF / U08A20C	4	PCS	D1 D2 D3 D4
UB 11-00787-00	PCB XH5410 1.04	1	PCS	
UB 13-00207-00	TRIM-6-VERT-500 500 ohm^	4	PCS	VR1 VR2 VR6 VR7
UB 13-00208-00	POT TRIM-6MM-VERT-220ohm	1	PCS	V1
UB 13-11003-00	TH 100K NTC 6mm DIA	2	PCS	TH1 TH2
UB 15-20203-29	B20K*2 F09125G B20Kb L15KQA	3	PCS	VR3 VR4 VR5
UB 18-00159-00	SW-4P2T JFPB-41S-A(N)	2	PCS	SW1 SW2
UB 18-00863-00	SWITCH EG-2315A 2P3T	2	PCS	SW6 SW7
UB 18-30001-01	SW SV65020F-0203-6H-01-FN	3	PCS	SW3 SW4 SW5
UB 19-00302-03	LED BLUE 1L0345FB12E0CF001^	6	PCS	LED1 LED2 LED3 LED4 LED5 LED6
UB 19-00335-00	LED 3mm RED 1L0341S11A0TE001	1	PCS	LED7
UB 19-00338-00	LED 3mm BLUE 1L034FB12C0TE001	1	PCS	LED7
UB 20-00128-00	INDUCTOR 1KW T157-52 CORE	1	PCS	L3
UB 20-00184-00	OUTPUT COIL SE-1000-ZIB	4	PCS	L1 L2 L4 L5
UB 20-00244-00	TRANSFORMER APX4360-01	0	PCS	X1
UB 20-00244-01	TRANSFORMER APX4361-2	1	PCS	X1
UB 24-00316-00	LED HOLDER3mm90°LED-306	1	PCS	LED7
UB 26-00348-00	CABLE GRAY 13PIN 60mm 3*3	1	PCS	J5
UB 30-00115-00	2P BASE XH 2.5 180°	1	PCS	J3
UB 30-00289-00	5P BASE XH PH2.0 180°	1	PCS	J4
UB 32-00656-04	TERMINAL SLL-KOR-4P*2 BLACK	1	PCS	J2
UB 32-00658-09	TERMINAL KOR-3P BLACK	1	PCS	J6
UB 32-00668-00	JACK 4P WSP-244VS-03	1	PCS	J1
UB 34-00150-00	5P BASE O/BH7755R-05 L-100mm	2	PCS	L+ L- R+ R- GND
UB 35-00121-00	5P Connector H7755P-05 L-300mm	2	PCS	ATTACHEMENT
UB 76-00239-00	FUSE HOLDER JEF-703E	2	PCS	FH1 FH2
UB 76-00276-01	FUSE ATC-40A 'UL' AMBER	2	PCS	FH1 FH2
UB 76-00407-00	TEST PIN JT-1P-CIW	4	PCS	TP1 TP2 TP3 TP4
UB 78-00284-00	SILICON TUBE 2mm*6mm	16	PCS	Q1 Q5 Q6 Q10 Q47 Q51 Q52 Q56
UB 78-00323-00	SILICON TUBE 1mm*10mm	8	PCS	Q4 Q9 Q48 Q53
UB 78-00348-00	SILICON TUBE 1mm*8mm	42	PCS	U1 Q2 Q3 Q7 Q8 D1 D2 D3 D4 U17 Q49 Q50 Q54 Q55 TH2 M1 M2 M3 M4 M5 M6
UB 78-00479-00	SILICON TUBE 1mm*22mm	12	PCS	LED1 LED2 LED3 LED4 LED5 LED6

VR Board Section

PART #	DESCRIPTION	QTY	UNIT	LOCATION #
UB 01-51420-85	RESISTOR 1.43 K 1% 0805	4	PCS	R8 R14 R22 R30
UB 01-52020-85	RESISTOR 2 K 1% 0805	16	PCS	R5 R6 R7 R9 R11 R13 R15 R16 R21 R23 R24 R25 R27 R29 R31 R32
UB 01-53520-85	RESISTOR 3.48 K 1% 0805	4	PCS	R10 R12 R26 R28
UB 01-54720-85	RESISTOR 4.75 K 1% 0805	8	PCS	R1 R2 R3 R4 R17 R18 R19 R20
UB 04-20680-85	CERAMIC 68P/J 50V 0805	8	PCS	C1 C2 C5 C6 C15 C16 C19 C20
UB 04-21040-87	CERAMIC 104/Z 50V 0805	4	PCS	C3 C4 C17 C18
UB 06-00562-00	CAP MMYL ECQB 1H562JF 50V P=5	8	PCS	C7 C8 C13 C14 C21 C22 C27 C28
UB 06-00563-00	CAP MMYL ECQB 1H563JF 50V P=5	8	PCS	C9 C10 C11 C12 C23 C24 C25 C26
UB 07-00072-85	IC TL072CDR 'TI' SOIC SMD	2	PCS	U2 U4
UB 07-00074-85	IC TL074CDR 'TI' SOIC SMD	2	PCS	U1 U3
UB 11-00788-00	VR Board 1.04	1	PCS	
UB 15-40050-11	C50K*4 F09145G C50Kb L15KQA	2	PCS	VR1 VR2
UB 18-00159-00	SW-4P2T JFPB-41S-A(N)	2	PCS	S1 S2
UB 18-30001-01	SW SV65020F-0203-6H-01-FN	2	PCS	SW1 SW2