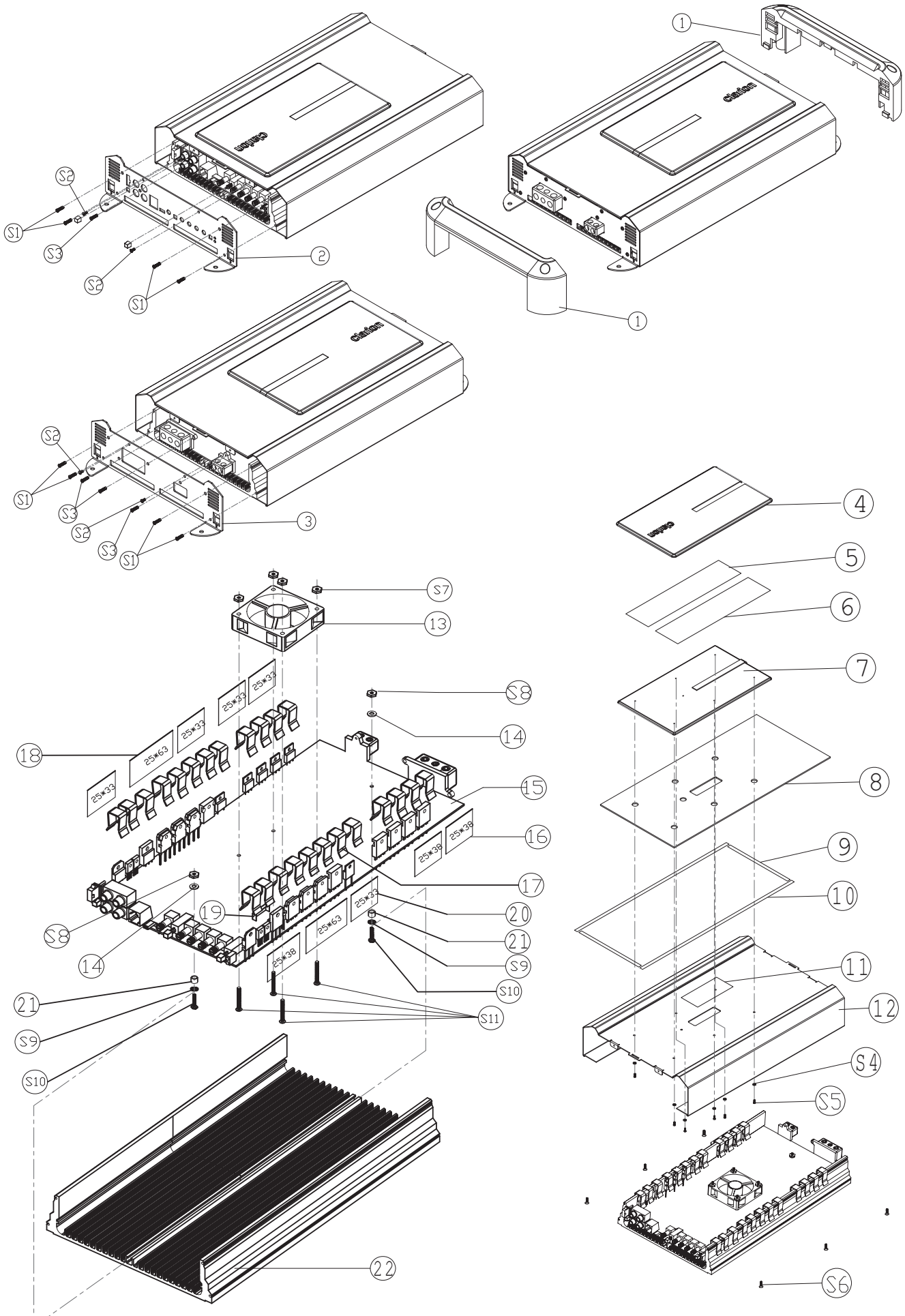
■TROUBLESHOOTING

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	UNIT	Q'TY	LOCATION #
UB 73-00193-00	End caps XH series Black	PCS	2	1
UB 71-00830-00	Front Metal Plate Black XH7110	PCS	1	2
UB 71-00831-00	Rear Metal Plate Black XH7110	PCS	1	3
UB 75-00265-02	Aluminum Logo Plate XH7110	PCS	1	4
UB 78-00531-00	3M Double-side Tape 6mm*210mm	PCS	2	5
UB 78-00547-00	3M Double-side Tape 50mm*205mm	PCS	2	6
UB 75-00264-00	PC illuminated plate XH series	PCS	1	7
UB 75-00267-00	PC Plate XH7110	PCS	1	8
UB 78-00541-00	3M Double-side Tape 6mm*130mm	PCS	2	9
UB 78-00534-00	3M Double-side Tape 6mm*330mm	PCS	2	10
UB 76-00460-00	lighting guide film FR-1 0.25	PCS	1	11
UB 72-00549-00	Top Metal Plate Black XH7110 L=347.8mm	PCS	1	12
UB 75-00001-01	FAN 60mm*15mm TALL W-50mm	PCS	1	13
UB YH-00025-00	Washer PW 4.2*10*1.0SZ	PCS	2	14
UB 10-00708-00	PCB Assembly XH7110 ver1.02	KIT	1	15
UB 78-00448-00	MICA 25mm*38mm	PCS	3	16
UB 74-00153-00	Clips Black	PCS	24	17
UB 78-00471-00	MICA 25mm*63mm	PCS	2	18
UB 74-00191-00	Clips for SANKEN TR	PCS	1	19
UB 78-00470-00	MICA 25mm*33mm	PCS	5	20
UB YH-00024-01	CU ring 6.3*4.5*inner 4.0NO	PCS	2	21
UB 77-00426-00	Heatsink XH7110 Black L=336.8mm	PCS	1	22
UB ST-VH430-08	Round Flat Head Hex T3.0*8	PCS	8	S1
UB SM-VH426-05	Screw Pan Hex Black M2.6*5	PCS	4	S2
UB ST-VH430-10	Round Flat Head Hex T3.0*10	PCS	4	S3
UB YH-00031-00	washer 4.8/2.15 *0.6mm black	PCS	6	S4
UB ST-RP420-05	Round Head Black T2.0*5mm	PCS	6	S5
UB SM-NF430-08	Screw Flat Head Hex Black M3.0*8mm	PCS	6	S6
UB NM-OH330-00	Nut M3.0 * P0.5	PCS	4	S7
UB YH-00026-00	NutK/NUT6#-32TSZ	PCS	2	S8
UB YH-00029-00	BW 3.5*8*0.5SZ	PCS	2	S9
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


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XH7110

ELECTRICAL PART LIST

PART #	DESCRIPTION	Q'ty	Unit	LOCATION #
UB 01-00098-00	JUMMPER 2mm*63mm H=7mm	1	PCS	JP1-JP2
UB 01-10001-73	RESISTOR 0.1 ohm 2W 5% MO	6	PCS	R33 R34 R35 R209 R234 R235
UB 01-10005-12	RESISTOR 0.51 ohm 1W MO	1	PCS	R27
UB 01-11002-22	RESISTOR 1.1 ohm 1/2W 5%	2	PCS	R213 R214
UB 01-13000-73	RESISTOR 30 ohm 2W 5% MO	2	PCS	R103 R122
UB 01-51000-85	RESISTOR 10 ohm 1% 0805	4	PCS	R1 R9 R215 R236
UB 01-51010-85	RESISTOR 100 ohm 1% 0805	8	PCS	R24 R26 R61 R78 R211 R218 R220 R223
UB 01-51020-85	RESISTOR 1 K 1% 0805	12	PCS	R6 R20 R21 R22 R23 R76 R98 R123 R152 R178 R182 R217
UB 01-51020-88	RESISTOR 1 K 1% 1206	2	PCS	R12 R219
UB 01-51030-85	RESISTOR 10 K 1% 0805	21	PCS	R2 R7 R19 R38 R41 R44 R45 R52 R54 R59 R60 R65 R90 R104 R156 R187 R196 R197 R210 R229 R230
UB 01-51040-85	RESISTOR 100 K 1% 0805	3	PCS	R174 R221 R222
UB 01-51100-86	RESISTOR 1.1 ohm 1% 1206	1	PCS	R8
UB 01-51110-86	RESISTOR 110 ohm 1% 1206	1	PCS	R67
UB 01-51210-85	RESISTOR 121 ohm 1% 0805	1	PCS	R134
UB 01-51240-85	RESISTOR 124 K 1% 0805	4	PCS	R13 R14 R15 R16
UB 01-51250-85	RESISTOR 1.21 M 1% 0805	4	PCS	R46 R71 R79 R80
UB 01-51420-85	RESISTOR 1.43 K 1% 0805	3	PCS	R118 R177 R183
UB 01-51430-85	RESISTOR 14 K 1% 0805	1	PCS	R143
UB 01-51530-85	RESISTOR 15 K 1% 0805	3	PCS	R42 R148 R157
UB 01-51530-87	RESISTOR 15.8 K 1% 0805	2	PCS	R107 R141
UB 01-51530-88	RESISTOR 15 K 1% 1206	5	PCS	R28 R29 R30 R87 R89
UB 01-51620-85	RESISTOR 1.62 K 1% 0805	2	PCS	R124 R136
UB 01-51730-85	RESISTOR 17.4 K 1% 0805	2	PCS	R195 R198
UB 01-52005-86	RESISTOR 2.2 ohm 1% 1206	2	PCS	R216*2
UB 01-52005-86	RESISTOR 2.2 ohm 1% 1206	1	PCS	R72
UB 01-52010-85	RESISTOR 200 ohm 1% 0805	2	PCS	R102 R110
UB 01-52020-85	RESISTOR 2 K 1% 0805	10	PCS	R126 R162 R167 R170 R171 R179 R185 R186 R190 R193
UB 01-52030-85	RESISTOR 20 K 1% 0805	20	PCS	R4 R36 R37 R48 R49 R56 R57 R70 R86 R130 R132 R135 R144 R149 R151 R158 R159 R173 R175 R228
UB 01-52200-85	RESISTOR 22.1 ohm 1% 0805	10	PCS	R10 R73 R94 R99 R113 R129 R145 R155 R200 R208
UB 01-52210-85	RESISTOR 221 ohm 1% 0805	1	PCS	R32
UB 01-52520-85	RESISTOR 2.55 K 1% 0805	1	PCS	R92
UB 01-52630-85	RESISTOR 26.7 K 1% 0805	2	PCS	R108 R138
UB 01-53020-86	RESISTOR 3.01 K 1% 0805	3	PCS	R39 R40 R125
UB 01-53030-85	RESISTOR 30.1 K 1% 0805	3	PCS	R160 R163 R184
UB 01-53310-85	RESISTOR 332 ohm 1% 0805	2	PCS	R96 R131
UB 01-53320-85	RESISTOR 3.32 K 1% 0805	3	PCS	R146 R147 R203
UB 01-53340-86	RESISTOR 332 K 1% 0805	1	PCS	R81
UB 01-53520-85	RESISTOR 3.48 K 1% 0805	2	PCS	R168 R191
UB 01-53600-85	RESISTOR 36.5 ohm 1% 0805	2	PCS	R17 R224
UB 01-53630-85	RESISTOR 36.5 K 1% 0805	1	PCS	R142
UB 01-53910-85	RESISTOR 392 ohm 1% 0805	3	PCS	R153 R206 R207
UB 01-53910-86	RESISTOR 392 ohm 1% 1206	2	PCS	R68 R176
UB 01-53920-85	RESISTOR 3.92 K 1% 0805	2	PCS	R93 R154
UB 01-54710-85	RESISTOR 475 ohm 1% 0805	9	PCS	R51 R82 R105 R119 R120 R128 R133 R226 R233
UB 01-54720-85	RESISTOR 4.75 K 1% 0805	17	PCS	R43 R53 R74 R75 R77 R84 R85 R109 R114 R115 R116 R117 R127 R137 R139 R140 R192

PART #	DESCRIPTION	Q'ty	Unit	LOCATION #
UB 01-54730-85	RESISTOR 47.5 K 1% 0805	3	PCS	R62 R164 R172
UB 01-54930-85	RESISTOR 49.9 K 1% 0805	3	PCS	R63 R88 R97
UB 01-55001-85	RESISTOR 5.11 ohm 1% 0805	5	PCS	R169 R231 R232 R237 R238
UB 01-55001-87	RESISTOR 5.1 ohm 1% 1206	4	PCS	R5 R83 R91 R227
UB 01-55101-85	RESISTOR 5.11 K 1% 0805	3	PCS	R66 R212 R3
UB 01-55120-86	RESISTOR 5.11 K 1% 1206	2	PCS	R204 R25
UB 01-55130-85	RESISTOR 51.1 K 1% 0805	1	PCS	R180
UB 01-55610-85	RESISTOR 562 ohm 1% 0805	1	PCS	R100
UB 01-55618-85	RESISTOR 56.2 ohm 1% 0805	2	PCS	R112 R181
UB 01-56820-85	RESISTOR 6.81 K 1% 0805	4	PCS	R111 R199 R201 R202
UB 01-56830-85	RESISTOR 68.1 K 1% 0805	4	PCS	R11 R18 R205 R225
UB 01-57120-85	RESISTOR 7.15 K 1% 0805	4	PCS	R165 R166 R188 RF189
UB 01-57320-85	RESISTOR 7.32 K 1% 0805	2	PCS	R69 R95
UB 01-57510-85	RESISTOR 750 ohm 1% 0805	1	PCS	R121
UB 01-57520-85	RESISTOR 7.5 K 1% 0805	3	PCS	R31 R101 R106
UB 01-57530-85	RESISTOR 75 K 1% 0805	5	PCS	R47 R50 R55 R58 R150
UB 01-58210-85	RESISTOR 825 ohm 1% 0805	1	PCS	R194
UB 01-59010-85	RESISTOR 909 ohm 1% 0805	1	PCS	R64
UB 01-59320-85	RESISTOR 9.31 K 1% 0805	1	PCS	R161
UB 02-21000-41	E/C 1uf 50V 5*11	2	PCS	C41 C61
UB 02-21001-41	E/C 10uf 50V 5*11	8	PCS	C2 C8 C11 C12 C13 C14 C27 C65
UB 02-21003-30	E/C 1000uf 25V 105° 10*20	2	PCS	C9 C10
UB 02-22202-32	E/C 220uf 25V 8*11	1	PCS	C79
UB 02-22403-41	E/C 2400uf 50V LOW ESR 18*30	10	PCS	C19 C20 C21 C22 C23 C90 C91 C92 C93 C94
UB 02-24701-31	E/C 47uf 25V 105° 6.3*11	4	PCS	C3 C52 C75 C106
UB 02-24702-31	E/C 470uf 25V LOW ESR 10*15	3	PCS	C53 C56 C97
UB 02-26803-21	E/C 6800uf 16V LOW ESR 18*30	4	PCS	C59 C66 C80 C98
UB 04-20100-86	CERAMIC 10P/J 50V 0805	5	PCS	C39 C18 C24 C26 C30
UB 04-20680-85	CERAMIC 68P/J 50V 0805	3	PCS	C35 C42 C64
UB 04-21000-85	CERAMIC 100P/J 50V 0805	4	PCS	C5 C15 C17 C101
UB 04-21020-85	CERAMIC 102/K 50V 0805	1	PCS	C55
UB 04-21030-85	CERAMIC 103/K 50V 0805	3	PCS	C33 C58 C82
UB 04-21040-87	CERAMIC 104/Z 50V 0805	28	PCS	C1 C16 C25 C28 C29 C31 C32 C34 C37 C38 C40 C48 C49 C51 C62 C63 C69 C70 C76 C77 C78 C83 C87 C96 C102 C105 C108 C109
UB 04-22720-85	CERAMIC 272/J 50V 0805	1	PCS	C71
UB 04-22730-85	CERAMIC 273/K 50V 0805	1	PCS	C72
UB 04-24700-85	CERAMIC 470P/K 50V 0805	2	PCS	C67 C81
UB 04-24720-86	CERAMIC 472/K 50V 0805	1	PCS	C45
UB 04-24740-86	CERAMIC 474/Z 25V 0805	5	PCS	C43 C44 C47 C57 C84
UB 06-00102-02	CAP MMYL ECQB 2102JF 400V P=5	2	PCS	C6 C100
UB 06-00104-02	CAP MMYL ECQV 1104JM 100V P=5	2	PCS	C4 C107
UB 06-00104-03	CAP MMYL ECQV 1H104JL 50V P=5	5	PCS	C36 C88 C89 C95 C99
UB 06-00152-00	CAP MMYL ECQB 1H152JF 50V P=5	1	PCS	C50
UB 06-00152-01	CAP MMYL ECQB 1H152JF 250V P=5	1	PCS	C50
UB 06-00224-02	CAP MMYL 224J 100V P=7.5	1	PCS	C7
UB 06-00273-00	CAP MMYL ECQB 1H273JF 50V P=5	2	PCS	C103 C104
UB 06-00274-00	CAP MMYL ECQV 1H274JL 50V P=5	4	PCS	C73 C74 C85 C86
UB 06-00472-01	CAP MMYL ECQB 1H472JF 100V P=5	1	PCS	C54

PART #	DESCRIPTION	Q'ty	Unit	LOCATION #
UB 06-00472-02	CAP MMYL ECQB 1H472JF 50V P=5	1	PCS	C54
UB 06-00823-00	CAP MMYL ECQB 1H823JF 50V P=5	2	PCS	C60 C68
UB 07-00072-85	IC TL072CDR 'TI' SOIC SMD	5	PCS	U1 U3 U4 U13 U24
UB 07-00074-85	IC TL074CDR 'TI' SOIC SMD	3	PCS	U14 U16 U21
UB 07-00393-85	IC LM393DT 'SGS' SMD	1	PCS	U7
UB 07-00431-85	IC TL431IDBZR 'TI' SOT-23-3	1	PCS	U15
UB 07-00817-00	IC H11A817 'FSC'	7	PCS	U2 U9 U10 U12 U17 U18 U23
UB 07-03525-85	IC SG3525AP SO16 SMD 'ST'	1	PCS	U20
UB 07-05532-85	IC NJM5532M JRC SOIC SMD	5	PCS	U5 U6 U8 U11 U22
UB 07-90001-00	IC PIC18F1220-I/P ^	1	PCS	U19
UB 08-00064-00	I.C. HUF75344G3 75A 55V TO-247	6	PCS	M1 M2 M3 M4 M5 M6
UB 08-00102-00	TRANS TIP102 100V 8A T0220 'ST'	1	PCS	Q33
UB 08-00107-00	TRANS TIP107 100V 8A T0220 'ST'	1	PCS	Q1
UB 08-00340-00	TRANS MJE340G 0.5A 300V 'ON'	2	PCS	Q2 Q34
UB 08-00350-00	TRANS MJE350G 0.5A 300V 'ON'	2	PCS	Q3 Q35
UB 08-01294-00	TRANS 2SA1294 15A 'SANKEN'	3	PCS	Q5 Q6 Q7
UB 08-01859-00	TRANS 2SA1859A 2A 'SANKEN'	1	PCS	Q4
UB 08-03263-00	TRANS 2SC3263 15A 'SANKEN'	3	PCS	Q38 Q39 Q40
UB 08-04883-00	TRANS 2SC4883A 2A 'SANKEN'	1	PCS	Q36
UB 08-05401-00	2N5401 160V 600mA EBC TO-92	2	PCS	Q17 Q18
UB 08-05551-00	2N5551 160V 600mA EBC TO-92	2	PCS	Q19 Q20
UB 08-10006-01	TRANS MPSA06 TO-92 'ON'	1	PCS	Q37
UB 08-10006-85	TR MMBTA06LT1 SOT-23 'ON'	10	PCS	Q9 Q13 Q14 Q15 Q16 Q21 Q24 Q26 Q28 Q42
UB 08-10056-85	TR MMBTA56LT1 SOT-23 'ON'	7	PCS	Q8 Q10 Q11 Q12 Q25 Q27 Q41
UB 08-26715-00	TR MPS651G 'ON' 2N6715 TO-237	3	PCS	Q23 Q29 Q32
UB 08-26726-00	TR MPS751G 'ON' 2N6726 TO-237	3	PCS	Q22 Q30 Q31
UB 09-00051-85	ZENER 5.1V DL-35 miniMELF	2	PCS	DZ1 DZ9
UB 09-01620-01	ULTRA-FAST RECO U16C20C	2	PCS	D2 D3
UB 09-01620-02	ULTRA-FAST RECO U16C20A	2	PCS	D4 D5
UB 09-04934-85	DL4934-MELF 1A 100V SMD	3	PCS	D19 D21 D31
UB 09-04935-85	DL4935-MELF 1A 200V SMD	2	PCS	D6 D37
UB 09-14001-85	DIODE 1N4001TB miniMELF SMD	2	PCS	D7 D12
UB 09-14148-85	DIODE 1N4148-SOD80 miniMELF	23	PCS	D9 D10 D11 D13 D14 D15 D16 D17 D18 D20 D22 D23 D24 D25 D26 D27 D28 D29 D30 D33 D34 D35 D36
UB 09-20060-85	ZENER 6V DL-35 miniMELF	1	PCS	DZ5
UB 09-20100-85	ZENER 10V DL-35 miniMELF	1	PCS	DZ4
UB 09-20160-85	ZENER 16V DL-35(miniMELF)	2	PCS	DZ2 DZ10
UB 09-20180-85	ZENER 18V DL-35 miniMELF	2	PCS	DZ3 DZ8
UB 09-20510-85	ZENER 51V DL-35 miniMELF	2	PCS	DZ6 DZ7
UB 09-40016-00	FAST RECTIFIER FES16DT	2	PCS	D1 D38
UB 09-70001-00	AXIAL DIODE 6A 200V R-6	2	PCS	D8 D32
UB 11-00789-00	PCB XH7110(DPX185) V1.03	1	PCS	PCB
UB 13-00208-00	POT TRIM-6MM-VERT-220ohm ^	2	PCS	V2 VR5
UB 13-00222-01	POT TRIM-6MM-VERT-470ohm ^	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	2	PCS	VR1 VR2
UB 15-25030-07	C50K*2 F09125G C50Kb L15KQA	1	PCS	VR3
UB 15-40050-11	C50K*4 F09145G C50Kb L15KQA	2	PCS	VR4 VR6

PART #	DESCRIPTION	Q'ty	Unit	LOCATION #
UB 18-00159-00	SW-4P2T JFPB-41S-A(N)	1	PCS	SW1
UB 18-00863-00	SWITCH EG-2315A 2P3T	1	PCS	S1
UB 18-00892-00	SW-2P2T JFPB-21S-A(N)	2	PCS	SW2 SW3
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 20-00113-00	BEAD 110ohm @100MHz 3.5*9*0.8	2	PCS	L1 L4
UB 20-00184-00	OUTPUT COIL SE-1000-ZIB	1	PCS	L3
UB 20-00245-00	OUTPUT CHOKE DPX1851-1010	1	PCS	L2
UB 20-00246-00	TRANSFORMER 800H-1000	1	PCS	X1
UB 24-00316-00	LED HOLDER 3mm 90° LED-306	1	PCS	LED7
UB 25-00729-00	CABLE WHITE 1015 #12 210mm 8*8	1	PCS	JP4-JP5
UB 25-00743-00	CABLE WHITE 1015 #12 160mm 8*8	1	PCS	JP6-JP7
UB 25-00744-00	CABLE WHITE 1015 #12 130mm 8*8	1	PCS	JP3-JP8
UB 25-00752-00	CABLE BLACK 1015 #12 85mm 8*8	1	PCS	JP9-JP10
UB 30-00104-00	6P TERMINAL RJ41 90°	1	PCS	J3
UB 30-00115-00	2P TERMINAL XH 2.5 180°	1	PCS	J4
UB 30-00289-00	5P TERMINAL BASE XH PH2.0 180°	1	PCS	J5
UB 32-00658-09	3P TERMINAL SLB-KOR-3P	1	PCS	J6
UB 32-00668-00	4P TERMINAL WSP-244VS-03	1	PCS	J1
UB 32-00685-01	2P TERMINAL JSZ2-25A	1	PCS	J2
UB 34-00150-00	5P BASE H7755R-05 L-100mm	1	PCS	L+ L- R+ R- GND
UB 35-00121-00	5P CONNECTOR H7755P-05 L-300mm	1	PCS	Attachement
UB 76-00388-00	CABLE TIE JL-160 4.8mm*160mm	2	PCS	L2
UB 76-00407-00	TEST PIN JT-1P-CIW	4	PCS	P8 P9 P12 P13
UB 78-00284-00	SILICON TUBE 2mm*6mm	24	PCS	M1 M2 M3 M4 M5 M6 Q5 Q6 Q7 Q38 Q39 Q40
UB 78-00323-00	SILICON TUBE 1mm*10mm	2	PCS	Q37
UB 78-00348-00	SILICON TUBE 1mm*8mm	30	PCS	Q1 Q2 Q3 Q4 D1 D2 D3 D4 D5 Q33 Q34 Q35 Q36 D38 TH2
UB 78-00479-00	SILICON TUBE 1mm*22mm	12	PCS	LED1 LED2 LED3 LED4 LED5 LED6