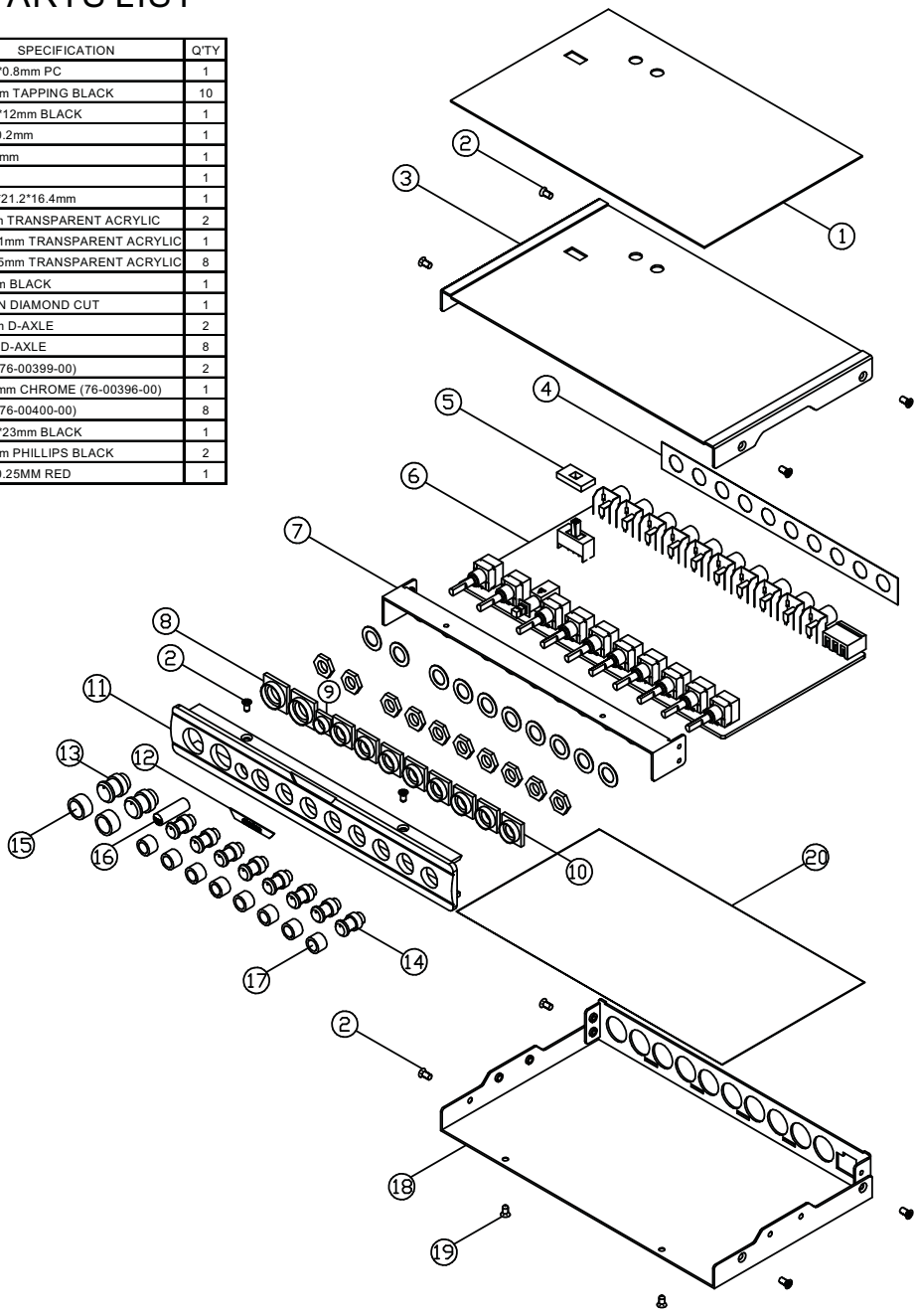
■TROUBLESHOOTING

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 NO	DESCRIPTION	SPECIFICATION	Q'TY
1	UB MG-G016-1008	TOP COVER	165*103*0.8mm PC	1
2	UB LS-FBC0-0205	SCREW	ψ2.5*5mm TAPPING BLACK	10
3	UB MG-FB17-1000	TOP COVER	178*103*12mm BLACK	1
4	UB 33-FB15-1402	NON CLOTH	154*14*0.2mm	1
5	UB 29-1609-0300-ED	EVA	16*9*3.0mm	1
6	UB EQS746-01	PCB ASSEMBLE		1
7	UB JJ-FS17-2116	BRACKET	176.4*21.2*16.4mm	1
8	UB MM-1515-0000	DISPLAY LENS	15*15mm TRANSPARENT ACRYLIC	2
9	UB MM-0909-0000	DISPLAY LENS	9.81*9.81mm TRANSPARENT ACRYLIC	1
10	UB MM-1212-0000	DISPLAY LENS	12.5*12.5mm TRANSPARENT ACRYLIC	8
11	UB MG-AB18-0000	ALUMI PLATE	L=183mm BLACK	1
12	UB NP-EQS746	BADGE	CLARION DIAMOND CUT	1
13	UB 04-1000-0000	VR CAP	ψ10.4mm D-AXLE	2
14	UB 04-0700-0000	VR CAP	ψ7.9mm D-AXLE	8
15	UB 31-1000-0000	RUBBER COVER	BLACK (76-00399-00)	2
16	UB 04-1806-00GG	AUX KNOB	ψ6*18.5mm CHROME (76-00396-00)	1
17	UB 31-0700-0000	RUBBER COVER	BLACK (76-00400-00)	8
18	UB MG-FB17-1000-01	BOTTOM COVER	178*103*23mm BLACK	1
19	UB LS-FBCG-0205-01	SCREW	ψ2.5*5mm PHILLIPS BLACK	2
20	UB 29-1793-0200-PD	ISOLATED FIBER SHEET	173*93*0.25MM RED	1



■ELECTRICAL PART LIST

PART NO	DESCRIPTION	SPEC	Q'TY	LOCATION NO.
UB 10-1216-8400	TERMINAL	3P BLACK 12*16*8.4MM	1	X1
UB 10-1515-9500	TERMINAL	3P BLACK 15*15*9.5MM	1	X1
UB 40-LH15-0060	JUMMPER	Φ0.6*15mm	1	GND1
UB BYQ-0000-01	TRANSFORMER	MC13Q-6W	1	T1
UB CCL-101J2AOAP-01	C/CAPACITOR	100P/100V	4	C6 C10 C13 C14
UB CCL-104J2AOAP-02	M/CAPACITOR	104/100V	7	C1 C2 C43 C54 C53 C58 C47
UB CEP105J1HHR5P-02	E/CAPACITOR	1uF/50V 105℃ BLACK	2	C27 C28
UB CEP106J1HHR5P-02	E/CAPACITOR	10uF/50V 105℃BLACK	3	C3 C8 C57
UB CEP224J1HYR5P-01	E/CAPACITOR	0.22UF/50V	2	C31 C34
UB CEP225J1HYR5P-01	E/CAPACITOR	2u2/50V 105℃BLACK	2	C21 C24
UB CEP226J1EHR5P-01	E/CAPACITOR	22uF/25V 105℃BLACK	2	C15 C16
UB CEP227J1CHRAP-01	E/CAPACITOR	220uF/16V 105℃BLACK	2	C45 C50
UB CEP227J1EHRAP-02	E/CAPACITOR	220uF/25V 105℃ BLACK	2	C25 C26
UB CEP475J1HYR5P-01	E/CAPACITOR	4.7UF/50V	2	C17 C18
UB CML-103J2AOAP-04	MPF/CAPACITOR	103J/100V	5	C36 C52 C55 C5 C11
UB CML-104J2AOAP-04	MPF/CAPACITOR	104J/100V	4	C19 C20 C35 C38
UB CML-123J2AOAP-02	MPF/CAPACITOR	123J 100V	2	C29 C30
UB CML-152J2AOAP-02	MPF/CAPACITOR	152J 100V	2	C51 C56
UB CML-153J2AOAP-03	MPF/CAPACITOR	153J 100V	2	C32 C33
UB CML-222J2AOAP-01	MPF/CAPACITOR	222J 100V	2	C44 C46
UB CML-333J2AOAP-01	MPF/CAPACITOR	333/100V	4	C22 C23 C40 C49
UB CML-392J2AOAP-01	MPF/CAPACITOR	392J 100V	1	C48
UB CML-472J2AOAP-01	MPF/CAPACITOR	472J/100V	4	C37 C39 C41 C42
UB CML-473J2AOAP-04	MPF/CAPACITOR	473J 100V	2	C4 C12
UB CML-682J2AOAP-04	MPF/CAPACITOR	682J 100V	2	C7 C9
UB DR-D0IN4001-T-01	DIODE	IN4001	2	D16 D17
UB DS-DOIN4148-T-01	DIODE	IN4148	4	D8 D9 D11 D12
UB DZ-180S218W2T-01	ZENER DIODE	18V 1/2W	1	ZD1
UB IA-00TL072CNH-01	IC	TL072	1	U2
UB IA-00TL074CNH-01	IC	TL074 DIP14	5	U1 U3 U4 U5 U6
UB JR-12GVA-001R	RCA JACK	GOLD PLATE / WHITE HOLE	5	J7 J1 J3 J4 J5
UB JR-12GVA-001W	RCA JACK	GOLD PLATE / RED HOLE	5	J6 J2 J10 J8 J9
UB LD-R0U30-004E-01	LED	BLUE ψ3	12	D1 D2 D3 D4 D5 D6 D7 D10 D13 D14 D15
UB PCB-1739-16FR	PCB	173*93.4*1.6/mm	1	
UB RC-100JW4-MLT-01	CF/RESISTOR	10R 1/4W	1	R41
UB RC-102JW4-MLT-01	CF/RESISTOR	1K/1/4W	3	R42 R54 R55
UB RC-103JW4-MLT-01	CF/RESISTOR	10K/1/4W	1	R56
UB RC-103JW8-MLT-01	CF/RESISTOR	10K/1/8W	6	R1 R3 R4 R5 R46 R47
UB RC-104JW8-MLT-01	CF/RESISTOR	100K/1/8W	4	R2 R6 R11 R12
UB RC-153JW8-MLT-01	CF/RESISTOR	15K/1/8W	2	R52 R58
UB RC-183JW8-MLT-01	CF/RESISTOR	18K 1/8W	2	R48 R51
UB RC-221JW4-MLT-01	CF/RESISTOR	220R/1/4W 5%	1	R60
UB RC-222JW4-MLT-01	CF/RESISTOR	2.2K 1/4W	4	R16 R17 R21 R22
UB RC-222JW8-MLT-01	CF/RESISTOR	2.2K/1/8W	2	R13 R14
UB RC-272JW8-MLT-01	CF/RESISTOR	2.7K/1/8W	2	R8 R9
UB RC-273JW8-MLT-01	CF/RESISTOR	27K/1/8W	4	R36 R38 R39 R44
UB RC-302JW8-MLT-01	CF/RESISTOR	3K/1/8W	4	R7 R10 R18 R19
UB RC-393JW8-MLT-01	CF/RESISTOR	39K/1/8W	6	R20 R24 R27 R30 R31 R33
UB RC-511JW8-MLT-01	CF/RESISTOR	510Ω 1/8W	14	R23 R25 R26 R28 R32 R34 R35 R37 R40 R43 R49 R50 R53 R57
UB RC-751JW4-MLT-01	CF/RESISTOR	750Ω 1/4W	3	R15 R29 R59
UB ST1-2N6726H	TRIODO	2N6726 Central	1	Q4
UB ST1-MPSA06H	TRIODO	MPSA06	2	Q3 Q5
UB ST1-MPSA27H	TRIODO	MPSA27	2	Q1 Q2
UB SW-PH22X-01	SWITCH	SS2P2T-7*16.5	1	SW1
UB SW-PL22X-08	SWITCH	PS2P2T	1	SW2
UB VR-R1B103-007	VR	B10K*2 D-AXLE	7	VR6 VR7 VR8 VR9 VR10 VR11 VR12
UB VR-R2B203-017	VR	B20K*2 D-AXLE (W/O POINT)	2	VR1 VR2
UB VR-R2B203-018	VR	B20K*2 D-AXLE	1	VR4
UB VR-R2B223-01	VR	22K BLACK	2	VR3 VR5