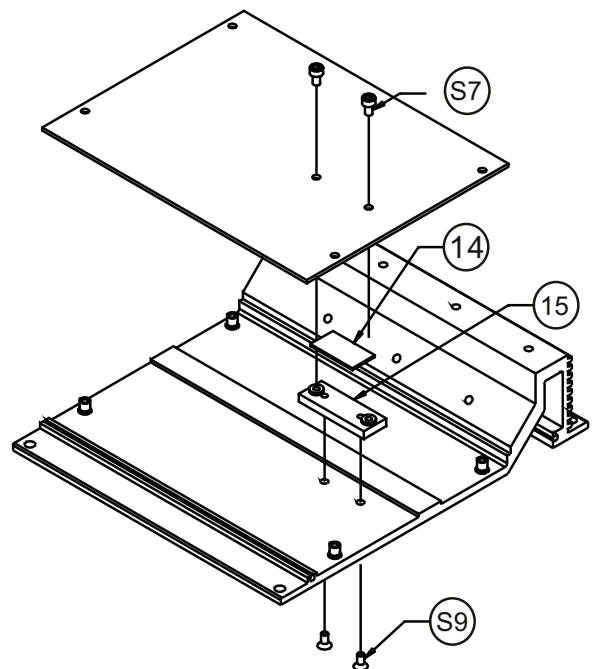
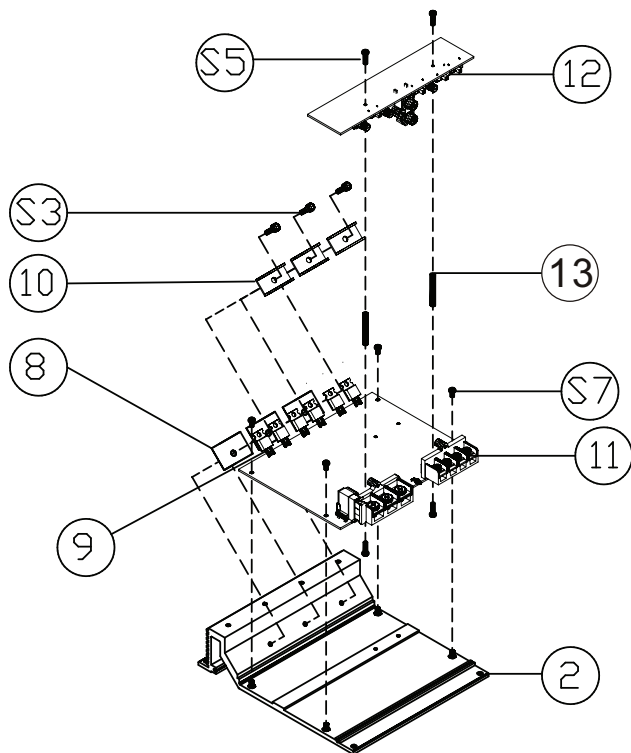
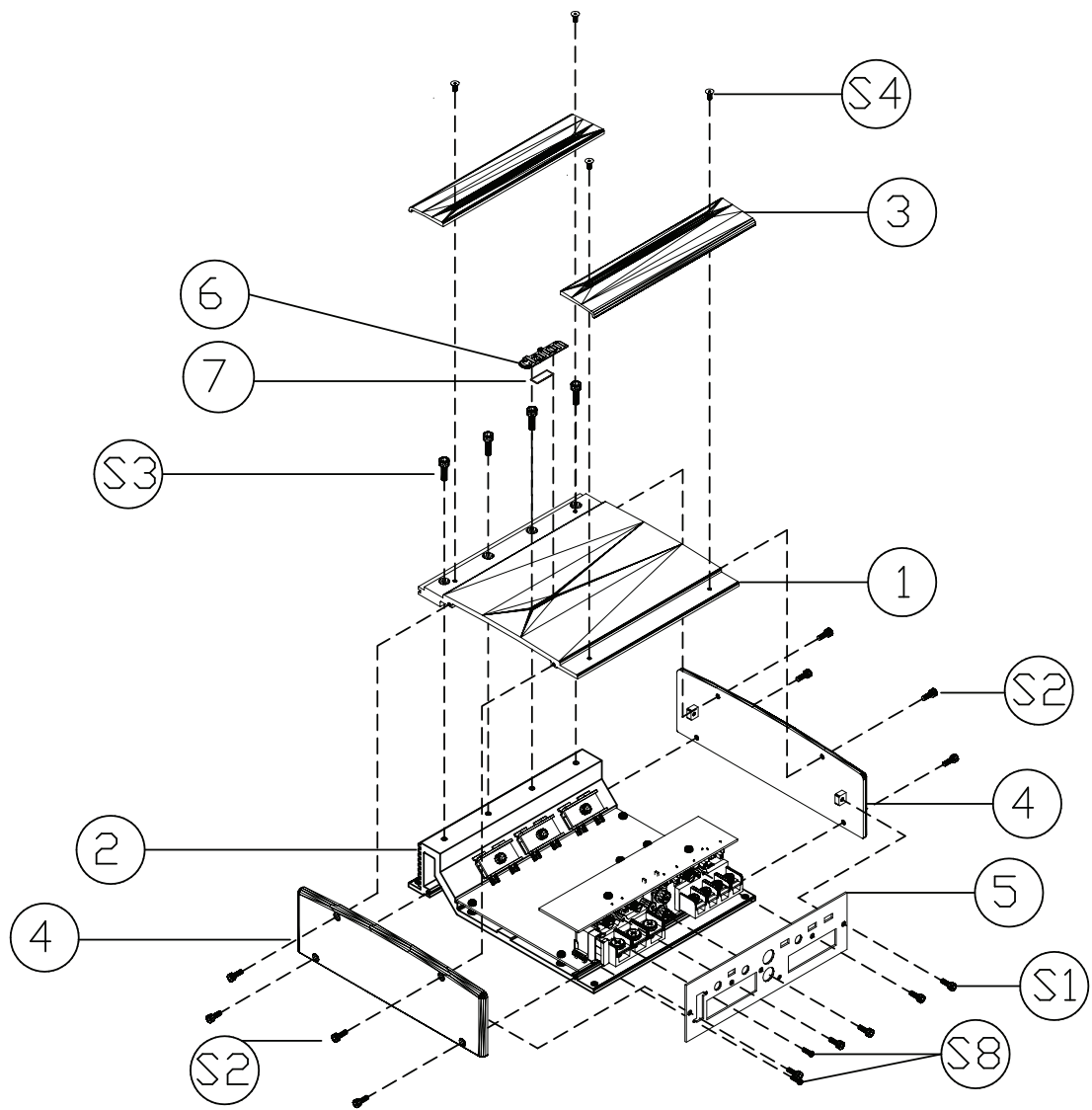


■TROUBLESHOOTING

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	Q'ty	UNIT	Location No.
UB- 72-00583-00	TOP ALU PLATE XC6210 HAIRLINE L=151	PCS	1	1
UB- 77-00457-00	HEATSINK XC6210 ALUMI 151mm	PCS	1	2
UB- 73-00205-00	TOP DECO ALU PLATE XC6210 L=150.49	PCS	2	3
UB- 71-00884-00	SIDE PANEL XC ABS	PCS	2	4
UB- 71-00883-00	FRONT PANEL XC6210	PCS	1	5
UB- 75-00279-00	LOGO BADGE CLARION	PCS	1	6
UB- 78-00567-00	3M TWIN ADHESIVE 6x15mm	PCS	1	7
UB- 78-00569-00	MICA 19.85mm*32mm	PCS	3	8
UB- 78-00458-00	SILICONE PIN TUBE	PCS	12	9
UB- 74-00179-00	NI BRACKET L-29mm	PCS	3	10
UB- 10-00836-00	XC6210 PCB ASSEMBLY	KIT	1	11
UB- 10-00830-00	XC6210 VR BOARD ASSEMBLY	KIT	1	12
UB- 74-00178-00	HEX BAR H-30	PCS	2	13
UB- 76-00468-00	GAP PAD 5000S35 12.7X23.6mm	PCS	1	14
UB- 76-00469-00	FET HEAT SINK 36.58mm	PCS	1	15
UB- ST-IH530-08	TAP SCREW HEX BLACK T3*8mm	PCS	5	S1
UB- SM-IH630-08	MACHINE SCREW HEX T3*8mm	PCS	8	S2
UB- SM-IH240-12	MACHINE SCREW NI HEX W/WAS. M4*12mm	PCS	7	S3
UB- SM-NF630-06	MACHINE SCREW FLAT HEX M3*6mm	PCS	4	S4
UB- SM-IH430-12	MACHINE SCREW BLACK HEX M3.0*12mm	PCS	4	S5
UB- SM-IH430-05	MACHINE SCREW BLACK HEX M3.0*5mm	PCS	6	S7
UB- ST-RP520-10	TAP SCREW ROUND BLACK T2*10mm	PCS	2	S8
UB- SM-NF630-08	MACHINE SCREW FLAT HEX M3*8mm	PCS	2	S9



ELECTRICAL PART LIST

PC BOARD

Part No.	Description	Q'ty	UNIT	Location No.
UB- 02-21001-86	E/C 10uf 25V 105° 5*5.4 SMT	12	PCS	C1 C4-5 C11 C14 C16 C18 C22-23 C27 C29 C45
UB- 04-20330-87	CERAMIC 33P/J 50V NPO 0603	2	PCS	C12-13
UB- 02-23303-51	E/C 3300uf 35V ESR 105C 18*32 P=7.5mm	2	PCS	C15 C31
UB- 04-23350-85	CERAMIC 3.3uf/K 10V X5R 0805	4	PCS	C17 C19 C62 C64
UB- 04-22720-63	CERAMIC 272/J 50V X7R 0603	1	PCS	C20
UB- 04-21040-89	CERAMIC 104Z 50V Y5V 0603	13	PCS	C2-3 C6-7 C10 C21 C35 C46 C49-52 C56
UB- 04-21500-63	CERAMIC 150P/J 50V NPO 0603	2	PCS	C24-25
UB- 02-22201-84	E/C 22uf 16V 105° 5*5.4 SMT	2	PCS	C26 C28
UB- 06-00472-02	CAP MMYL ECQB 1H472JF 50V P=5	1	PCS	C30
UB- 02-24702-54	E/C 470U 35V ESR 10*17 P=5 TAPE	2	PCS	C32 C43
UB- 04-21050-90	CERAMIC 1uF/Z 50V Y5V 1206	4	PCS	C33-34 C39-40
UB- 02-21002-70	E/C 100U 100V ESR 10*20 P=5 TAPE	2	PCS	C36 C38
UB- 04-21050-91	CERAMIC 1uF/M 100V X7R 1210	1	PCS	C37
UB- 02-23303-31	E/C 3300uf 25V ESR 105C 18*26 P=7.5mm	2	PCS	C41-42
UB- 02-21002-29	E/C 100U 16V 105C 5*11 P=2.5 TAPE	1	PCS	C44
UB- 06-00104-02	CAP MMYL ECQV 1104JM 100V P=5	2	PCS	C47-48
UB- 06-00105-04	PPN 1uF 250V 10% P=15mm	2	PCS	C53-54
UB- 04-21030-86	CERAMIC 103/K 50V X7R 0603	1	PCS	C55
UB- 04-24740-86	CERAMIC 474/Z 25V Y5V 0805	1	PCS	C57
UB- 04-21020-86	CERAMIC 102/K 50V X7R 0603	6	PCS	C58-61 C63 C65
UB- 02-21001-60	E/C 10U 100V 105C 6.3*11 P=2.5 TAPE	2	PCS	C8-9
UB- 09-01620-01	ULTRA-FAST RECO U16C20C	1	PCS	D1
UB- 09-01620-02	ULTRA-FAST RECO U16C20A	1	PCS	D2
UB- 09-14148-85	DIODE DL4148-SOD80 miniMELF	7	PCS	D3-7 D9 D11
UB- 09-40120-86	RECTIFIER MURA120T3 'ON' SMA	2	PCS	D8 D10
UB- 09-20510-85	ZENER 51V DL-35 miniMELF	2	PCS	D22-3
UB- 09-20056-86	ZENER 5.6V 500mW SOD-323	1	PCS	DZ5
UB- 76-00239-00	FUSE HOLDER JEF-703E	1	PCS	F2
UB- 76-00224-01	FUSE 30A	1	PCS	F2
UB- 30-00299-00	CON100-2X3 FCI 75869-131LF	1	PCS	J1
UB- 26-00373-00	CABLE GRAY 8 PIN 60mm 3*3	1	PCS	J2
UB- 32-00700-00	TERMINAL JSZ3-03A BLACK [+]	1	PCS	J3
UB- 32-00701-00	TERMINAL JSZ4-03A BLACK [+]	1	PCS	J4
UB- 20-00154-00	INPUT INDUCTOR 4uH MB41004	1	PCS	L1
UB- 20-00295-00	INDUCTOR Sagami 7G17B	2	PCS	L2-3
UB- 19-00291-01	LED 3mm G/R BOG333B	1	PCS	LED1
UB- 08-02807-00	HEXFET IRF2807 82A 75V	2	PCS	M1-2
UB- 09-06645-85	MOSFET IRF6645TRPBF	4	PCS	M3-6
UB- 11-00836-00	PCB XC6210 1.05 BLUE	1	KIT	PCB
UB- 08-10006-85	TR MMBTA06LT1 SOT-23 'ON'	4	PCS	Q2 Q9 Q12-13
UB- 08-10647-01	TRANS 2SB647 1A TO-92 TAPE	1	PCS	Q3
UB- 08-10056-85	TR MMBTA56LT1 SOT-23 'ON'	4	PCS	Q5-6 Q10-11
UB- 08-02707-85	2SD2707 EMT3 50V 150mA ROHM	2	PCS	Q7-8
UB- 01-52710-83	RESISTOR 274 ohm 1% 0603	2	PCS	R11 R19
UB- 01-53020-83	RESISTOR 3.01 K 1% 0603	6	PCS	R12 R22 R38 R40 R83-84
UB- 01-52030-86	RESISTOR 20 K 1% 0603	4	PCS	R1-2 R31 R56
UB- 01-52020-86	RESISTOR 2 K 1% 0603	1	PCS	R13
UB- 01-52230-83	RESISTOR 22.1 K 1% 0603	2	PCS	R15 R18
UB- 01-51030-86	RESISTOR 10 K 1% 0603	9	PCS	R16-17 R42 R60 R71 R85 R87 R89 R91
UB- 01-54730-86	RESISTOR 47.5 K 1% 0603	9	PCS	R20-21 R30 R43-44 R50-51 R59 R62
UB- 01-51040-86	RESISTOR 100 K 1% 0603	7	PCS	R27-29 R45 R48 R57-58
UB- 01-59320-83	RESISTOR 9.31 K 1% 0603	1	PCS	R33
UB- 01-51110-83	RESISTOR 110 ohm 1% 0603	1	PCS	R34
UB- 01-55108-83	RESISTOR 51.1 ohm 1% 0603	3	PCS	R3-4 R32
UB- 01-51530-83	RESISTOR 15 K 1% 0603	2	PCS	R36 R35
UB- 01-13000-72	RESISTOR 30 ohm 2W 5% MO	1	PCS	R41
UB- 01-55120-83	RESISTOR 5.11 K 1% 0603	2	PCS	R49 R63
UB- 01-11510-95	RESISTOR 150 ohm 5% 2512	1	PCS	R5
UB- 01-55618-85	RESISTOR 56.2 ohm 1% 0805	1	PCS	R52
UB- 01-53030-83	RESISTOR 30.1 K 1% 0603	5	PCS	R53 R67-70
UB- 01-52220-90	RESISTOR 2.2 K 1% 1206	2	PCS	R54-55
UB- 01-55030-83	RESISTOR 49.9 K 1% 0603	2	PCS	R61 R64
UB- 01-52200-12	RESISTOR 22 ohm 1W 1% TAPE	2	PCS	R65-66
UB- 01-55001-86	RESISTOR 5.1 ohm 1% 0603	2	PCS	R6-7

UB- 01-54710-83	RESISTOR 475 ohm 1% 0603	1	PCS	R72
UB- 01-58410-83	RESISTOR 845 ohm 1% 0603	2	PCS	R73-74
UB- 01-51000-83	RESISTOR 10 ohm 1% 0603	10	PCS	R75-76 R78-79 R94-95 R98-99 R101-102
UB- 01-53920-86	RESISTOR 3.92 K 1% 0603	2	PCS	R77 R80
UB- 01-51220-83	RESISTOR 1.21 K 1% 0603	2	PCS	R81-82
UB- 01-58220-83	RESISTOR 8.25 K 1% 0603	6	PCS	R86 R88 R23-26
UB- 01-53320-86	RESISTOR 3.32 K 1% 0603	2	PCS	R90 R92
UB- 01-51020-86	RESISTOR 1 K 1% 0603	6	PCS	R9-10 R46-47 R37 R39
UB- 01-53330-83	RESISTOR 33.2 K 1% 0603	2	PCS	R93 R97
UB- 01-54700-30	RESISTOR 4.7 ohm 1% 0603	2	PCS	R96 R100
UB- 13-00227-85	THERMISTOR 100K NTC 5% 0603	2	PCS	TH1-2
UB- 76-00407-00	TEST PIN JT-1P-CIW	2	PCS	TP1-2
UB- 07-00317-00	IC LM317 TO-220 'ST'	1	PCS	U1
UB- 07-00337-00	IC LM337 KA337TU TO-220 'FSC'	1	PCS	U2
UB- 07-L7812-85	REGULATOR L7812ACD2T 'ST' D2PAK SMT	1	PCS	U3
UB- 07-L0001-85	REGULATOR L78L05CUTR 'ST' SOT-89 SMT	1	PCS	U4
UB- 07-L0002-85	REGULATOR L79L05ABUTR 'ST' SOT-89 SMT	1	PCS	U5
UB- 07-03525-85	IC SG3525AP SO16 'ST' SMT SO16	1	PCS	U6
UB- 07-9S08S-85	MICRO FREESCALE MC9S08SFVTJ	1	PCS	U7
UB- 07-00393-85	IC LM393DT 'ST' SMT SOIC8	1	PCS	U8
UB- 07-02092-85	CLASS D IRS2092SPBF	2	PCS	U9-10
UB- 13-00226-85	TRIM POT 100 ohm 3mm SMT	2	PCS	VR1-2
UB- 20-00296-00	TRANSFORMER XC6410-01	1	PCS	X1

VR BOARD

Part No.	Description	Q'ty	UNIT	Location No.
UB- 04-21040-89	CERAMIC 104Z 50V Y5V 0603	10	PCS	C1 C4-5 C11 C14-16 C19 C27 C31
UB- 06-00104-03	ECQV 1H104JL 50V P=5	4	PCS	C13 C17 C20 C29
UB- 04-20330-87	CERAMIC 33P/J 50V NPO 0603	4	PCS	C21 C28 C30 C32
UB- 04-20680-86	CERAMIC 68P/J 50V NPO 0603	2	PCS	C2-3
UB- 06-00563-00	CAP MMYL ECQB 1H563JF 100V P=5	4	PCS	C23 C25 C33 C35
UB- 06-00562-00	CAP MMYL ECQB 1H562JF 100V P=5	4	PCS	C24 C26 C34 C36
UB- 04-23300-86	CERAMIC 330P/J 50V NPO 0603	2	PCS	C6 C12
UB- 02-21001-88	E/C 10uF 16V 105° 3.0*5.4 SMT	6	PCS	C7-10 C18 C22
UB- 32-00666-03	JACK 2P WSP-242VS-05 RED/SILVER	1	PCS	J1
UB- 01-55620-83	RESISTOR 5.62 K 1% 0603	6	PCS	R10-11 R23 R25-27
UB- 01-51120-84	RESISTOR 1.15 K 1% 0603	2	PCS	R12 R18
UB- 01-53330-83	RESISTOR 33.2 K 1% 0603	2	PCS	R13 R17
UB- 01-51050-86	RESISTOR 1 M 1% 0603	4	PCS	R1-4
UB- 01-51120-83	RESISTOR 1.1 K 1% 0603	2	PCS	R21 R29
UB- 01-53230-83	RESISTOR 32.4 K 1% 0603	4	PCS	R30 R43 R45 R60
UB- 01-56030-85	RESISTOR 60.4 K 0805 (0.1%)	8	PCS	R33-36 R48 R59 R61 R66
UB- 01-57530-83	RESISTOR 75 K 1% 0603	2	PCS	R39 R57
UB- 01-51040-86	RESISTOR 100 K 1% 0603	2	PCS	R42 R46
UB- 01-54730-86	RESISTOR 47.5 K 1% 0603	2	PCS	R44 R49
UB- 01-56430-83	RESISTOR 64.9 K 1% 0603	2	PCS	R5 R14
UB- 01-52020-86	RESISTOR 2 K 1% 0603	8	PCS	R50-55 R63 R67
UB- 01-52030-86	RESISTOR 20 K 1% 0603	14	PCS	R6 R15 R19-20 R31-32 R38 R40-41 R47 R56 R58 R64-65
UB- 01-53420-83	RESISTOR 3.48 K 1% 0603	2	PCS	R62 R68
UB- 01-51420-83	RESISTOR 1.43 K 1% 0603	2	PCS	R7 R37
UB- 01-58220-83	RESISTOR 8.25 K 1% 0603	1	PCS	R8
UB- 01-54720-86	RESISTOR 4.75 K 1% 0603	5	PCS	R9 R16 R22 R24 R28
UB- 18-00865-00	SW EG2211 2P2T 2*2mm L=4mm	1	PCS	SW 1
UB- 18-00863-02	SWITCH EG2315 2P3T L=3.5mm	2	PCS	SW 2 SW 4
UB- 18-00869-01	SWITCH EG4208 4P2T L=4mm	1	PCS	SW 3
UB- 07-00072-85	IC TL072CDR 'TI' SOIC SMD	4	PCS	U1-2 U6-7
UB- 07-00074-85	IC TL074CDR TI, ST SOIC SMD	3	PCS	U3-5
UB- 11-00851-00	UPPER VR BOARD XC6210 V1.05	1	PCS	VR BOARD
UB- 15-25020-00	VR L5K*2 RD925G-0A1 18 TEETH L=10	1	PCS	VR1
UB- 15-22030-09	VR L20K*2 RD925G-0A1 18 TEETH L=10	1	PCS	VR2
UB- 15-40050-15	VR C50K*4 RH945G-0A1 18 TEETH L=10	1	PCS	VR3