

# SWA1501 Active Subwoofer

## PARTS LIST

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### 090-387-00 SWA1501 SPEAKER (990003)

PART #	REV	DESCRIPTION	QTY	NOTES
021022	8	CABINET/FINISHED/BLACK/	1	SEE BELOW
304005	A	POLY BAG/CLEAR 34 X 24 X 60	1	
0010208		PACKAGING KIT	1	
030068	A	OWNERS MANUAL	1	

### 021022 REV 8 CABINET/FINISHED/BLACK/SWA1501

PART #	REV	DESCRIPTION	QTY	ALT PART #	NOTES
022002	0	CABINET/PAINTED/BLACK	1		
0005686	A	AMPLIFIER ASSEMBLY	1		SEE NEXT PAGE
025255	A	ASSEMBLY/CABLE	1	23104190	
555189	0	GASKET/STRAIN RELIEF/RCF	1		
029014	B	SCREW/M8 X 25 FHMS BLK	4		
0001065	A	POWERCORD/16 AWG/2M/SJT/105 C	1		
152001	A	FOOT/RUBBER[F1686]	4		
102051	A	SCREW/10-24 X 1 PH PHMS 18-8 BLK	12		
024007	0	TOP HAT/POLE MOUNT	1	490-051-00	
030012	A	GASKET/TOP HAT	1		
102050	A	SCREW/10-24 X 1 PH FHMS 18-8 BLK	4		
0006633	A	WOOFER, BOXED M1575W	1		
555164	A	GASKET/15" WOOFER	1		
102024	A	SCREW/1/4-20 X 1-1/4 SHCS 18-8	4		
024009	0	HANDLE BACKER/CUP/HOUSING	2	550-476-00	
024002	0	HANDLE/CAST/MACKIE	2	551-507-00	
024003	0	GRIP/HANDLE/RUBBER	2	760-115-00	
030013	A	GASKET/HANDLE BACKER/CUP/HOUSING	2		
029005	0	SCREW/8-32 X 3/8 PH PHMS	4	700-033-04	
102048	A	SCREW/10 X 3/4 PH PHSMS 18-8	13		
021023	1	BAFFLE ASSEMBLY/FINISHED/BLACK	1		SEE BELOW
102217	0	SCREW/10-24 X 1-3/4 PH PHMS 18-8 BLK	12		
029002	0	WASHER/FLAT/ID .195/SS/BLK	12	710-057-00	
0003115	001	LABEL/CAUTION/SERIAL #	1		

### 021023 REV 1 BAFFLE ASSEMBLY/FINISHED/BLACK

PART #	REV	DESCRIPTION	QTY	ALT. PART #
022003	0	BAFFLE/PAINTED/SWA1501	1	
024004	0	LOGO/MACKIE/LDSKR	1	840-227-00
024005	0	LOGO/ACTIVE/SRS1500	1	840-273-00
029003	0	NUT/PALNUT/7/16 OD/STLZC	2	705-021-01
030016	A	GASKET/MACKIE LOGO	1	
025001	0	PCB ASSY/LED/SRS1500	1	055-313-00
029001	0	SCREW/4 X 1/4 PH PHSMS/TYPE B	1	701-022-00
027009	A	HORN/WAVEGUIDE/SWA1501/	1	33901390
102051	A	SCREW/10-24 X 1 PH PHMS 18-8 BLK	12	

# SWA1501 parts list

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## 0005686 AMPLIFIER ASSEMBLY SWA1501 115 VAC

PART #	REV	DESCRIPTION	QTY	NOTES
23020680	4	IEC AC INPUT ASSEMBLY	1	SEE PAGE A-4
23020690	5	AMPLIFIER ASSEMBLY	1	SEE PAGE A-5
23020700	3	INPUT ASSEMBLY	1	SEE PAGE A-8
23102690	3	CABLE ASSEMBLY, UR	2	
23103870	1	CABLE ASSEMBLY, FLAT	1	
23104140	0	LOWER GROUND CABLE ASSEMBLY	1	
23104290	0	UPPER GROUND CABLE ASSEMBLY	1	
32900090	0	DARK GREY KNOB 35056	1	
32952180	0	GROUND LABEL 36663	3	
33120530	0	HEATSINK 37035	1	
33181100	2	LOWER AMPLIFIER SUPPORT 37065	1	
33181420	1	UPPER AMPLIFIER SUPPORT 37458	1	
33921690	0	CABLE STRAIN RELIEF GROMMET 37217	5	
33921700	0	SPACER 5MM 37051	5	
51150227	0	SCREW V.TC+M3 X12ZNN U7687 50174	3	
51190115	0	ALLEN SCREW V.TCEI M4 X12 ZNN U5931 410	2	
51190125	0	ALLEN SCREW M4 X16 ZNN U5931	14	
51240212	0	SCREW V.TC+ B 2,9X9,5ZNN U6954	12	
51991012	0	SPECIAL SCREW M8X80 36960	1	
52100110	0	WASHER 4,3X 9ZNN U6592 6329 1/2	11	
52100126	0	WASHER 9X24 ZNC U6593	1	
52100142	0	WASHER 3,2X6 ZNN U6592	2	
52201002	0	WASHER 3 DIN 6798-A	2	
52201003	0	WASHER 4 DIN 6798-A	16	
52201005	0	WASHER 8 DIN 6798-A	1	
53101005	0	NUT M 3 U5588-A-6S ZNC	2	
53102012	0	NUT M 4 U5588-A-6S ZNN	6	
53102030	0	NUT M 8 U5588-A-6S 5780 1/2	1	
59999992	0	CABLE TIE T & B M 24	1	
59999994	0	CABLE TIE T & B M 23 50152	2	
81751124	1	C1T51-101A POWER TRANSFORMER	1	
83242020	0	C3S42-020 POWER SWITCH	1	

## 23020680 REV 4 IEC AC INPUT PCB ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
23104170	0	IEC GROUND CABLE ASSEMBLY	1	
33032180	0	PCB MR 36956	1	
33181090	0	PCB SUPPORT BRACKET. 36959	1	
51150227	0	SCREW V.TC+M3 X12ZNN U7687 50174	2	
52100142	0	WASHER 3,2X6 ZNN U6592	2	
52201002	0	WASHER 3 DIN 6798-A	2	
53101005	0	NUT M 3 U5588-A-6S ZNC	2	
54100525	0	RIVET, EYELET TYPE 30-50 SN 50268 1/2	2	
83112022	0	C3P12-001T632-FUSE 6,3AT	1	F1
83142001	0	C3P42-251K104-CAPACITOR FILM 250V20% 0,1U	1	C3
83142058	0	C3P42-271K474-CAPACITOR FILM 250V20% 0,47U	1	C4
83145019	0	C3P45-251K333-CAPACITOR FILM 250V20% 33N	2	C1, C2
83182002	0	C3P82-002 FUSEHOLDER	2	
83432096	0	C3C32-032M006-MALE CONNECTOR 6PIN	2	J1, J2
83444020	1	C3C44-020M001-MALE FASTON	2	
83482010	0	C3C82-010M003-MALE MAINS RECEPTACLE	1	J3 400-132-00

## 23020690 REV 5 AMPLIFIER BOARD ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
23104160	1	GROUND WIRE ASSEMBLY	1	
33032190	0	PCB DR 36963	1	
33120500	1	TRANSISTOR HEATSINK 37090	1	
33221560	0	TRANSISTOR INSULATOR 37089	1	
33910760	1	TRANSISTOR SPACER 37088	2	
33921670	0	TRANSISTOR SPRING 36500	4	
33921700	0	SPACER 5MM 37051	2	
33921710	0	SPACER 7MM 37052	2	
52100110	0	WASHER 4,3X 9ZNN U6592 6329 1/2	4	
53301035	0	FLANGED NUT M 4 DIN 6923 ZNC	4	
81121017	0	C1R21-251J220-RESISTOR 1/4W5% 22	1	R2
81121021	0	C1R21-251J470-RESISTOR 1/4W5% 47	2	R34, R45
81121022	0	C1R21-251J560-RESISTOR 1/4W5% 56	2	R17, R64
81121025	0	C1R21-251J101-RESISTOR 1/4W5% 100	3	R33, R43, R47
81121029	0	C1R21-251J221-RESISTOR 1/4W5% 220	3	R28, R41, R55
81121031	0	C1R21-251J331-RESISTOR 1/4W5% 330	4	R25, R26, R72, R73
81121033	0	C1R21-251J471-RESISTOR 1/4W5% 470	1	R67
81121034	0	C1R21-251J561-RESISTOR 1/4W5% 560	4	R7, R23, R24, R44
81121037	0	C1R21-251J102-RESISTOR 1/4W5% 1K	2	R70, R71
81121039	0	C1R21-251J152-RESISTOR 1/4W5% 1,5K	1	R30
81121041	0	C1R21-251J222-RESISTOR 1/4W5% 2,2K	6	R4, R8, R12, R19, R35, R69
81121045	0	C1R21-251J472-RESISTOR 1/4W5% 4,7K	2	R11, R18
81121048	0	C1R21-251J822-RESISTOR 1/4W5% 8,2K	1	R3
81121049	0	C1R21-251J103-RESISTOR 1/4W5% 10K	12	R5, R20, R36, R37, R50, R51, R56, R60, R61, R65, R74, R75
81121053	0	C1R21-251J223-RESISTOR 1/4W5% 22K	5	R9, R10, R38, R42, R48
81121057	0	C1R21-251J473-RESISTOR 1/4W5% 47K	2	R66, R68
81121061	0	C1R21-251J104-RESISTOR 1/4W5% 100K	6	R6, R21, R40, R49, R52, R53
81121065	0	C1R21-251J224-RESISTOR 1/4W5% 220K	1	R29
81121703	0	C1R21-251F4751RESISTOR 1/4W1% 4,75K	2	R27, R39
81132005	0	C1R32-501G2R2-RESISTOR METAL 1/2W2% 2,2	4	R16, R31, R32, R63
81132077	0	C1R32-501G153-RESISTOR METAL 1/2W2% 15K	1	R46
81136620	0	C1R36-202J6R8-RESISTOR METAL 2W5% 6,8	2	R57, R58
81136632	0	C1R36-202J220-RESISTOR METAL 2W5% 22	1	R62
81136680	0	C1R36-202J222-RESISTOR METAL 2W5% 2,2K	2	R13, R15
81136690	0	C1R36-202J562-RESISTOR METAL 2W5% 5,6K	2	R14, R22
81241129	0	C1F41-502JR33-RES WIRE WOUND 5W5% 0,33	2	R54, R59
81241188	0	C1F41-502J472-RES WIRE WOUND 5W5% 4,7K	1	R1
81410008	0	C1C10-251K105-CAPACITOR FILM 250V10% 1M	1	C22
81410009	0	C1C10-251K155-CAPACITOR FILM 250V10% 1,5M	1	C10
81410018	0	C1C10-101K105-CAPACITOR FILM 100V10% 1M	1	C33
81412049	0	C1C12-251K685-CAPACITOR LYTIC 250V10% 6,8U	1	C11
81413007	0	C1C13-101K103-CAPACITOR FILM 100V10% 10N	2	C21, C31
81413013	0	C1C13-101K104-CAPACITOR FILM 100V10% 100N	3	C4, C13, C27

continued...

....Amplifier pcb continued

PART #	REV	DESCRIPTION	QTY	NOTES
81419001	0	C1C19-251J103-CAPACITOR FILM 250V10% 10N	2	C23, C24
81419005	0	C1C19-251J473-CAPACITOR FILM 250V5% 47N	2	C18, C19
81419007	0	C1C19-251J104-CAPACITOR FILM 250V5% 100N	1	C25
81423003	0	C1C23-102K331-CAP CERAMIC 1000V10% 330P	2	C1, C8
81423004	0	C1C23-102K100-CAP CERAMIC 1000V10% 10P	4	C9, C14, C26, C30
81423006	0	C1C23-102K681-CAP CERAMIC 1000V10% 680P	2	C5, C6
81523049	0	C1E23-250*220-CAPACITOR LYTIC 25V 22U	4	C15, C16, C32, C34
81523053	0	C1E23-250*101-CAPACITOR LYTIC 25V 100U	3	C2, C3, C7
81523057	0	C1E23-250*470-CAPACITOR LYTIC 25V 47U	1	C20
81533021	0	C1E33-500*103-CAPACITOR LYTIC 50V 10000U	2	C28, C29
81533075	0	C1E33-161*272-CAPACITOR LYTIC 160V 2700U	2	C12, C17
81632064	1	C1L32-160A020-INDUCTOR	1	L1
81632065	1	C1L32-551A181-INDUCTOR	1	L2
82112001	1	C2D12-750*151-DIODE 1N4148	2	D38, D39
82112002	0	C2D12-201*251-DIODE BAV21	14	D3, D4, D6, D7, D10, D11, D13, D14, D20, D23, D26, D28, D40, D41
82122015	0	C2D22-101*402-DIODE MUR410	2	D31, D32
82122019	0	C2D22-801*302-DIODE BY399	5	D9, D30, D33, D36, D37
82122020	0	C2D22-151*203-DIODE BYV79	1	D12
82131002	0	C2D31-132J3R3-ZENER 1,3W 3,3V	2	D27, D29
82131050	0	C2D31-501J120-ZENER 0,5W 12V	5	D19, D21, D22, D24, D25
82131052	0	C2D31-501J150-ZENER 0,5W 15V	6	D1, D2, D17, D18, D45, D46
82173002	0	C2D73-300*201-DIODE BAT85	2	D5, D8
82175011	0	C2D75-211*802-DIODE BRIDGE 8A	2	D35, D43
82212001	0	C2T12-101A450-TRANSISTOR BC549C	1	Q9
82212016	1	C2T12-201B500-TRANSISTOR BC557C	1	Q8
82212021	0	C2T12-501B301-TRANSISTOR MPSA42	1	Q2
82212022	0	C2T12-501A301-TRANSISTOR MPSA92	2	Q6, Q10
82212026	0	C2T12-201A400-TRANSISTOR 2N3904	1	Q3
82212027	0	C2T12-201B400-TRANSISTOR 2N3906	2	Q1, Q11
82212028	0	C2T12-101A201-TRANSISTOR 2SC3788	1	Q16
82212029	0	C2T12-101B201-TRANSISTOR 2SA1478	1	Q13
82231028	0	C2T31-153B231-TRANSISTOR 2SC5200	1	Q17
82231029	0	C2T31-153A231-TRANSISTOR 2SA1943	1	Q14
82231030	0	C2T31-802B251-TRANSISTOR MJE15033	1	Q18
82231031	0	C2T31-802A251-TRANSISTOR MJE15032	1	Q5
82242010	0	C2T42-502B101-TRANSISTOR TIP122	1	Q7
82262024	0	C2T62-902A201-MOSFET IRF630	2	Q12, Q15
82262025	0	C2T62-101A250-FET J107	1	Q19
82262026	0	C2T62-183A201-MOSFET IRF640	1	Q4
82312005	0	C2A12-25532 INTEGRATED CIRCUIT NE5532	2	U2, U3
82512001	0	C2F12-001 GREEN LED	2	D15, D16
82512008	0	C2F12-008 GREEN LED	3	D34, D42, D44

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....Amplifier pcb continued

PART #	REV	DESCRIPTION	QTY	NOTES
82531006	0	C2F31-006 OPTOCOUPLER	1	U1
83111074	0	C3P11-002T102-FUSE 1AT	1	F2
83112023	0	C3P12-001T802-FUSE 8AT	1	F1
83121006	0	C3P21-006*102-THERMAL SWITCH	1	SW1
83182002	0	C3P82-002-FUSEHOLDER	2	
83182007	0	C3P82-007 -FUSEHOLDER	2	
83432026	0	C3C32-028M002-CONNECTOR 2PIN	1	J3
83432094	0	C3C32-031M010-CONNECTOR 10PIN	1	J2
83434006	0	C3C34-003M005-MALE FASTON VERTICAL	1	J4
83434007	0	C3C34-003M002-MALE FASTON VERTICAL	1	J1

## 23020700 REV 3 INPUT BOARD ASSEMBLY

PART #	REV	DESCRIPTION	QTY	NOTES
33032200	0	INPUT PCB DR 36964	1	
33120510	0	TRANSISTOR HEATSINK 37105	1	
43900990	0	LED SPACER 36190	4	
51150220	0	SCREW V.TC+M3 X10ZNC U7687 50149	2	
52100103	0	WASHER 3,2X6 ZNC U6592 12272	2	
52201002	0	WASHER 3 DIN 6798-A	2	
81121017	0	C1R21-251J220-RESISTOR 1/4W5% 22	1	R49
81121021	0	C1R21-251J470-RESISTOR 1/4W5% 47	1	R9
81121025	0	C1R21-251J101-RESISTOR 1/4W5% 100	5	R3, R43, R55, R69, R71
81121029	0	C1R21-251J221-RESISTOR 1/4W5% 220	6	R18, R40, R65, R66, R76, R86
81121034	0	C1R21-251J561-RESISTOR 1/4W5% 560	4	R33, R36, R50, R84
81121037	0	C1R21-251J102-RESISTOR 1/4W5% 1K	2	R22, R101
81121039	0	C1R21-251J152-RESISTOR 1/4W5% 1,5K	1	R5
81121041	0	C1R21-251J222-RESISTOR 1/4W5% 2,2K	17	R2, R4, R6, R7, R15, R19, R26, R27, R31, R63, R64, R79, R81, R85, R93, R95, R96
81121045	0	C1R21-251J472-RESISTOR 1/4W5% 4,7K	9	R13, R21, R24, R34, R41, R48, R60, R77, R102
81121047	0	C1R21-251J682-RESISTOR 1/4W5% 6,8K	2	R61, R92
81121049	0	C1R21-251J103-RESISTOR 1/4W5% 10K	8	R8, R28, R29, R30, R62, R80, R94, R97
81121051	0	C1R21-251J153-RESISTOR 1/4W5% 15K	2	R78, R91
81121053	0	C1R21-251J223-RESISTOR 1/4W5% 22K	3	R10, R11, R39
81121057	0	C1R21-251J473-RESISTOR 1/4W5% 47K	12	R12, R37, R38, R42, R44, R53, R54, R67, R68, R70, R72, R98
81121061	0	C1R21-251J104-RESISTOR 1/4W5% 100K	6	R1, R16, R17, R20, R23, R35
81121065	0	C1R21-251J224-RESISTOR 1/4W5% 220K	1	R14
81121068	0	C1R21-251J394-RESISTOR 1/4W5% 390K	1	R32
81121638	0	C1R21-251F1001RESISTOR 1/4W1% 1K	4	R45, R46, R74, R76
81121706	0	C1R21-251F5111RESISTOR 1/4W1% 5,11K	1	R73
81121710	0	C1R21-251F5621RESISTOR 1/4W1% 5,62K	4	R56, R59, R87, R90
81121734	0	C1R21-251F1002RESISTOR 1/4W1% 10K	4	R57, R58, R88, R89
81121799	0	C1R21-251F4752RESISTOR 1/4W1% 47,5K	4	R51, R52, R82, R83
81132005	0	C1R32-501G2R2-RESISTOR METAL 1/2W2% 2,2	2	R25, R103
81136025	0	C1R36-162J100-RESISTOR METAL 1,6W5% 10	2	R99, R100
81311075	0	C1P11-064C103-POT 10KC	1	R47
81413007	0	C1C13-101K103-CAP FILM100V10% 10N	1	C21
81413011	0	C1C13-101K473-CAP FILM100V10% 47N	2	C2, C16
81413022	0	C1C13-630K474-CAP FILM63V10% 470N	1	C12
81413030	0	C1C13-500K105-CAP FILM50V10% 1U	6	C14, C17, C18, C22, C36, C37
81413262	0	C1C13-630J104-CAP FILM63V5% 100N	11	C3, C8, C13, C15, C23, C29, C30, C31, C41, C47, C48
81421007	0	C1C21-500K100-CAP CER.50V10% 10P	4	C34, C38, C42, C49
81421019	0	C1C21-500K101-CAP CER.50V10% 100P	1	C43
81426002	0	C1C26-500K330-CAP CER.50V10% 33P	7	C7, C26, C27, C28, C44, C45, C46
81426055	0	C1C26-500J681-CAP CER.50V5% 680P	4	C24, C25, C39, C40

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....input pcb continued

PART #	REV	DESCRIPTION	QTY	NOTES
81523045	0	C1E23-250*4R7-CAP LYTIC. 25V 4,7U	1	C5
81523049	0	C1E23-250*220-CAP LYTIC 25V 22U	2	C4, C6
81523053	0	C1E23-250*101-CAP LYTIC 25V 100U	5	C1, C9, C11, C19, C35
81523057	0	C1E23-250*470-CAP LYTIC 25V 47U	4	C10, C20, C32, C33
82112001	1	C2D12-750*151-DIODE 1N4148	12	D5, D6, D7, D8, D9, D10, D11, D12, D16, D17, D20, D21
82131050	0	C2D31-501J120-ZENER 0,5W 12V	4	D14, D15, D18, D19
82131052	0	C2D31-501J150-ZENER 0,5W 15V	1	D13
82212001	0	C2T12-101A450-TRANSISTOR BC549C	4	T1, T2, T5, T12
82212016	1	C2T12-201B500-TRANSISTOR BC557C	2	T4, T7
82242009	0	C2T42-502A101-TRANSISTOR TIP127	1	T6
82242010	0	C2T42-502B101-TRANSISTOR TIP122	1	T14
82262002	1	C2T62-020A350-TRANSISTOR J113	6	T3, T8, T9, T10, T11, T13
82312005	0	C2A12-25532 INTEGRATED CIRCUIT NE5532	7	U1, U2, U3, U5, U6, U7, U8
82511006	0	C2F11-006- RED LED	1	D3
82512008	0	C2F12-008 GREEN LED	2	D2, D4
82513004	1	C2F13-004 YELLOW LED	1	D1
82561003	0	C2F61-003 OPTOCOUPLER	1	U4
83252004	0	C3S52-0030202-COMMUTATORE A SLITTA	1	SW1
83414025	0	C3C14-020F003-FEMALE XLR CONNECTOR	2	J3, J6
83414026	0	C3C14-020M003-MALE XLR CONNECTOR	4	J2, J4, J5, J7
83432026	0	C3C32-028M002-CONNECTOR 2PIN	1	J1
83432097	0	C3C32-033M010-CONNECTOR 10PIN	1	J8
83811002	1	C3A11-002 INSULTAING STRIP	2	
83812001	0	C3A12-001 INSULATING WASHER	2	