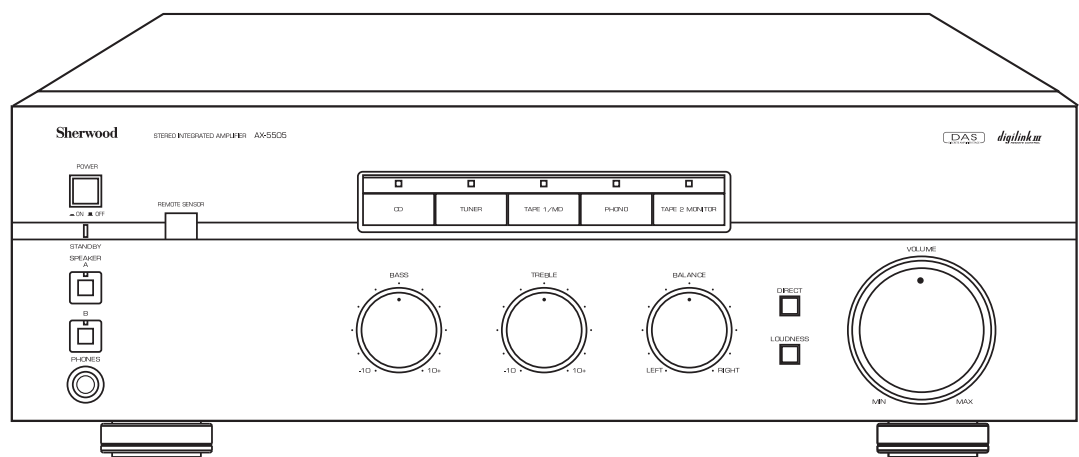


SERVICE MANUAL

AX-5505 STEREO INTEGRATED AMPLIFIER



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Sherwood

SAFETY PRECAUTIONS

WARNING

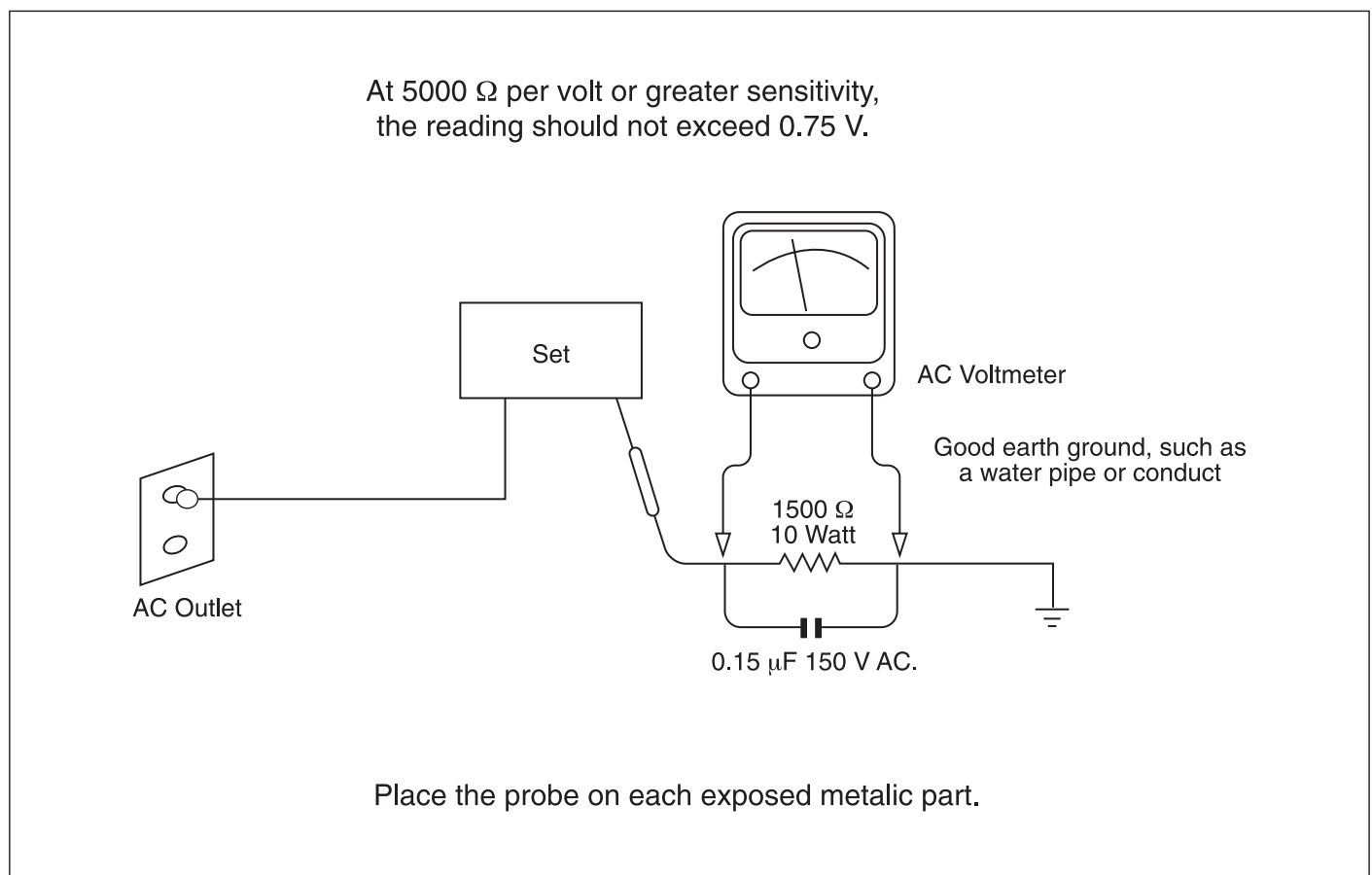
Before servicing this unit, familiarize yourself with the following precautions:

1. Many electrical and mechanical parts in this chassis have special safety characteristics that often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements: electrical components having such features are identified by  in the schematic diagram and the parts list.

Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

2. Before returning the set to the customer, always do an AC leakage current check on the exposed metal

parts of the cabinet, such as terminals, screw heads, and metal overlays, to be sure the set is safe to operate danger of electrical shock. Plug the AC line cord directly into a 120 V AC outlet(USA Version) or 230 V AC outlet(EU Version). (Do not use a line isolation transformer during this check.) Be sure your AC voltmeter has a sensitivity of $5000\ \Omega$ per volt or greater. Then connect a $1500\ \Omega$ 10 watt resistor, paralleled by a $0.15\ \mu\text{F}$ 150 V AC capacitor, between a known good earth ground(such as a water pipe, or conduit) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of a $1500\ \Omega$ resistor and a $0.15\ \mu\text{F}$ capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 V RMS. This corresponds to 0.2 mA AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



SPECIFICATIONS

1. STEREO SECTION

Measuring methods are based on IHF and IEC standard 268-3

Measurements condition, unless otherwise noted :

Output resistive load = (8) ohms / Both channel driven

Tone Directi ON, Other SW's : OFF

Nominal input level : 3mV for MM, 0.5mV for MC, 200mV for general purpose inputs

Power figures should be kept minimum 10min. between 15 and 35°C

Terminator : 100 ohm for MC, 0 ohm for MM and general purpose inputs

Filter : IHF-A Filter

R/O = Rated Output

Power Supply : EUR/UK : 230V/50Hz, KOR :220V/60Hz

No	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	CD	1 kHz	R/O	mV	200±50	230±30
		PHONO	1 kHz	R/O	mV	3±0.5	3±0.4
2	CHANNEL BALANCE	CD	1 kHz	R/O TO -40 dB	dB	±3	±2
3	RESIDUAL NOISE, IHF-A FILTER (0 ohm SHORTED)	CD	1 kHz	VOL min.	mV	≤1.0	≤0.8
			1 kHz	VOL max.	mV	≤2.0	≤1.8
4	TOTAL HARMONIC DISTORTION	CD (200mV)	40 Hz	R/O -3 dB	%	≤0.1	≤0.08
			1 kHz		%	≤0.1	≤0.08
			20 kHz		%	≤0.1	≤0.08
5	CONTINUOUS AVERAGE POWER at 0.3% THD	CD	40 Hz	8 ohms	W	100	102
			1 kHz		W	100	102
			20 kHz		W	100	102
6	S/N RATIO, IHF-A FILTER (0 ohm SHORTED)	CD	1 kHz	R/O	dB	≥85	≥87
		PHONO	1 kHz		dB	≥65	≥68
7	CHANNEL SEPARATION (0 ohm SHORTED)	CD (200 mV)	100 Hz	R/O -3 dB	dB	≥53	≥55
			1 kHz		dB	≥53	≥55
			10 kHz		dB	≥43	≥45
8	FUNCTION CROSSTALK (0 ohm SHORTED)	CD->TAPE1	1/10 kHz	R/O -3 dB	dB	≥60	≥65
		CD->PHONO	1/10 kHz		dB	≥60	≥65
9	FREQUENCY RESPONSE (-3 dB)	CD (200 mV)		1 W	Hz ~ kHz	20 ~60	10 ~ 65
10	TONE CONTROL (TONE ON)	CD	100 Hz	1 W	dB	±10(±2)	±10(±1)
			10 kHz		dB	±10(±2)	±10(±1)
11	LOUDNESS CONTROL (LOUDNESS ON)	CD	100 Hz	R/O -3 dB	dB	±6(±2.0)	±6(±1.5)
			10 kHz		dB	±3(±1.5)	±3(±1.5)
12	PHONO E.Q (INPUT = 3 mV)	PHONO	20 Hz	TAPE OUT	+19.27	±3.0	±2.0
			100 Hz		+13.09	±2.0	±1.5
			10 kHz		-13.72	±2.0	±1.5
			20 kHz		-19.62	±2.0	±1.5
13	HEADPHONE OUTPUT H/P = 64 ohms	CD (200 mV)	1 kHz	R/O	V	3.5±1.0	3.5±0.5
14	INPUT OVERLOAD AT 0.5% THD	PHONO	1 kHz	TAPE OUT	mV	≥105	≥110
15	MUTING LEVEL	CD (200 mV)	1 kHz	R/O	dB	≥60	≥65

REF. No.	DESCRIPTION					Q'TY.	PARTS No.	VER.
PCB1	ASSEMBLY P.C.B BOARD MAIN						7028022422010	D
PCB1	ASSEMBLY P.C.B BOARD MAIN						7028022420060	G
	CAPACITORS							
C101	C,CERAMIC HIK AXIAL	0.1 uF	50V	Z	1		D005104597531S	D/G
C102L/R	C,CERAMIC T.C AXIAL	33 pF	50V	J	2		D001330067521S	D/G
C103L/R	C,ELECT GE 85C	10 uF	35V	M	2		D040100085050S	D/G
C104L/R	C,CERAMIC T.C AXIAL	82 pF	50V	K	2		D001820077531S	D/G
C105L/R	C,CERAMIC SEMI AXIAL	1200 pF	16V	M	2		D007122783521S	D/G
C106L/R	C,FILM POLYESTER	0.012 uF	100V	J	2		D02012306C060S	D/G
C107L/R	C,FILM POLYESTER	0.0033 uF	100V	J	2		D02033206C060S	D/G
C108L/R	C,CERAMIC HIK AXIAL	220 pF	50V	K	2		D005221277521S	D/G
C109L/R	C,ELECT GE 85C	100 uF	16V	M	2		D040101083070S	D/G
C110L/R	C,ELECT GE 85C	10 uF	35V	M	2		D040100085050S	D/G
C111L/R	C,FILM POLYESTER	0.0039 uF	100V	J	2		D02039206C060S	D/G
C112	C,ELECT GE 85C	47 uF	16V	M	1		D040470083080S	D/G
C113	C,CERAMIC HIK AXIAL	0.01 uF	16V	K	1		D005103773531S	D/G
C114	C,ELECT GE 85C	47 uF	16V	M	1		D040470083080S	D/G
C115	C,CERAMIC HIK AXIAL	0.01 uF	16V	K	1		D005103773531S	D/G
C121	C,CERAMIC HIK AXIAL	0.1 uF	50V	Z	1		D005104597531S	D/G
C122AL/AR/BL/BR/CL/CR/DL/DR/EL/ER/FL/FR/G	C,CERAMIC HIK AXIAL	100 pF	50V	K	13		D005101177521S	D/G
C123AL/AR/BL/BR/CL/CR/DL/DR/EL/ER/FL/FR	C,CERAMIC HIK AXIAL	100 pF	50V	K	12		D005101177521S	D/G
C124 ~ C125	C,ELECT GE 85C	10 uF	35V	M	2		D040100085050S	D/G
C126 ~ C127	C,CERAMIC HIK AXIAL	0.1 uF	50V	Z	2		D005104597531S	D/G
C128	C,CERAMIC HIK AXIAL	100 pF	50V	K	1		D005101177521S	D/G
C131L/R	C,ELECT GE 85C	4.7 uF	50V	M	2		D0404R7087250S	D/G
C132L/R	C,CERAMIC HIK AXIAL	680 pF	50V	K	2		D005681177521S	D/G
C133L/R	C,ELECT GE 85C	4.7 uF	50V	M	2		D0404R7087250S	D/G
C134L/R	C,CERAMIC HIK AXIAL	0.01 uF	16V	K	2		D005103773531S	D/G
C151	C,ELECT GE 85C	0.47 uF	50V	M	1		D040R47087050S	D/G
C171	C,ELECT GE 85C	1 uF	50V	M	1		D040010087150S	D/G
C172	C,ELECT GE 85C	470 uF	6.3V	M	1		D040471081070S	D/G
C173 ~ C174	C,ELECT GE 85C	10 uF	35V	M	2		D040100085050S	D/G
C175	C,ELECT GE 85C	1000 uF	35V	M	1		D040102085030S	D/G
C176	C,ELECT GE 85C	470 uF	35V	M	1		D040471085210S	D/G
C177 ~ C179	C,FILM POLYESTER	0.047 uF	100V	J	3		D02047306C060S	D/G
C201L/R	C,ELECT GE 85C	4.7 uF	50V	M	2		D0404R7087250S	D/G
C202L/R	C,CERAMIC HIK AXIAL	100 pF	50V	K	2		D005101177521S	D/G
C203L/R	C,CERAMIC HIK DISC	2200 pF	50V	Z	2		D004222097060S	D/G
C204L/R	C,ELECT GE 85C	22 uF	16V	M	2		D040220083070S	D/G
C205L/R	C,ELECT GE 85C	47 uF	50V	M	2		D040470087070S	D/G
C206L/R	C,CERAMIC T.C AXIAL	1 pF	50V	K	2		D001010077531S	D/G
C207L/R	C,ELECT GE 85C	220 uF	10V	M	2		D040221082080S	D/G
C208L/R	C,CERAMIC T.C AXIAL	1 pF	50V	K	2		D001010077531S	D/G
C209AL/AR/L/R	C,CERAMIC HIK AXIAL	180 pF	50V	K	4		D005181177521S	D/G
C210L/R	C,ELECT GE 85C	100 uF	63V	M	2		D040101088010S	D/G
C211L/R	C,ELECT GE 85C	10 uF	35V	M	2		D040100085050S	D/G
C212L/R	C,ELECT GE 85C	100 uF	63V	M	2		D040101088010S	D/G
C213L/R	C,ELECT GE 85C	10 uF	35V	M	2		D040100085050S	D/G
C214L/R	C,ELECT GE 85C	10 uF	35V	M	2		D040100085050S	D/G
C215L/R	C,FILM POLYESTER	0.1 uF	250V	K	2		D02010407H080S	D/G
C216L/R	C,FILM POLYESTER	0.1 uF	250V	K	2		D02010407H080S	D/G
C251 ~ C252	C,CERAMIC HIK AXIAL	4700 pF	16V	K	2		D005472773531S	D/G
C253 ~ C254	C,FILM POLYESTER	0.0047 uF	100V	J	2		D02047206C060S	D/G
C255 ~ C256	C,CERAMIC HIK AXIAL	4700 pF	16V	K	2		D005472773531S	D/G
C257 ~ C258	C,FILM POLYESTER	0.0047 uF	100V	J	2		D02047206C060S	D/G
C261 ~ C265	C,FILM POLYESTER	0.1 uF	250V	K	5		D02010407H080S	D/G
C266 ~ C267	C,ELECT GE 85C	6800 uF	71V	M	2		D040682089000S	D/G
	COILS							
L201L/R	COIL,FILTER-INDUCTOR					2	D330900001330S	D/G
	CONNECTORS							
CP101	CN.WAFER 2.0MM					1	L101200101010S	D/G
CP102	CN.WAFER 2.0MM					1	L101200100410S	D/G
CP103	CN.WAFER 2.0MM					1	L101200100610S	D/G
CP105	CN.WAFER 2.5MM					1	L102526700300S	D/G
CP106	CN.WAFER 7.92MM					1	L108202000320S	D/G
CP107	CN.WAFER 2.0MM					1	L101200100310S	D/G
	DIODES							
D101 ~ D102, D121 ~ D123	D,SWITCHING					5	K000013300520S	D/G

REF. No.	DESCRIPTION					Q'TY.	PARTS No.	VER.
D173 ~ D176	D,SWITCHING					4	K000400700010S	D/G
D201L/R	D,SWITCHING					2	K000013300520S	D/G
D202L/R	D,SWITCHING					2	K000013300520S	D/G
D203 ~ D204	D,SWITCHING					2	K000013300520S	D/G
D261	D,RECTIFIER BRIDGE					1	K047056000000S	D/G
	INTERGRATED CIRCUITS							
IC101	IC,LINEAR OP					1	J121206800000S	D/G
IC102	IC,LOGIC					1	J040731300010S	D/G
IC103	IC,LINEAR-REGULATOR					1	J126781500000S	D/G
IC104	IC,LINEAR-REGULATOR					1	J126791500030S	D/G
	JACKS							
	TER,RCA 2PIN					1	G601200430030S	D/G
	TER,RCA 2PIN					1	G601200430040S	D/G
	TER,RCA 6PIN					2	G603060046020S	D/G
	TER,BOARD SCREW 8P					1	G614108V1020MS	D/G
	RESISTORS							
R101L/R	R,CARBON FILM	33 Kohm	1/5W	J	2	C00003336P520S	D/G	
R102L/R	R,CARBON FILM	47 ohm	1/5W	J	2	C00004706P520S	D/G	
R103L/R	R,CARBON FILM	270 Kohm	1/5W	J	2	C00002746P520S	D/G	
R104L/R	R,CARBON FILM	22 Kohm	1/5W	J	2	C00002236P520S	D/G	
R105L/R	R,CARBON FILM	390 ohm	1/5W	J	2	C00003916P520S	D/G	
R106L/R	R,CARBON FILM	33 Kohm	1/5W	J	2	C00003336P520S	D/G	
R107L/R	R,CARBON FILM	330 ohm	1/5W	J	2	C00003316P520S	D/G	
R108 ~ R109	R,CARBON FILM	47 ohm	1/5W	J	2	C00004706P520S	D/G	
R121AL/AR/BL/BR/CL/CR/DL/DR/EL/ER/FL/FR	R,CARBON FILM	1 Kohm	1/5W	J	12	C00001026P520S	D/G	
R122L/R	R,CARBON FILM	100 Kohm	1/5W	J	2	C00001046P520S	D/G	
R123L/R	R,CARBON FILM	100 Kohm	1/5W	J	2	C00001046P520S	D/G	
R124	R,CARBON FILM	220 Kohm	1/5W	J	1	C00002246P520S	D/G	
R125	R,CARBON FILM	22 Kohm	1/5W	J	1	C00002236P520S	D/G	
R126 ~ R127	R,CARBON FILM	100 ohm	1/5W	J	2	C00001016P520S	D/G	
R128 ~ R130	R,CARBON FILM	1 Kohm	1/5W	J	3	C00001026P520S	D/G	
R131L/R	R,CARBON FILM	270 Kohm	1/5W	J	2	C00002746P520S	D/G	
R132L/R	R,CARBON FILM	220 ohm	1/5W	J	2	C00002216P520S	D/G	
R133L/R	R,CARBON FILM	10 Kohm	1/5W	J	2	C00001036P520S	D/G	
R134L/R	R,CARBON FILM	47 Kohm	1/5W	J	2	C00004736P520S	D/G	
R135L/R	R,CARBON FILM	1 Kohm	1/5W	J	2	C00001026P520S	D/G	
R154	R,CARBON FILM	6.8 Kohm	1/5W	J	1	C00006826P520S	D/G	
R155L/R	R,CARBON FILM	2.2 Kohm	1/5W	J	2	C00002226P520S	D/G	
R156	R,CARBON FILM	3300 Kohm	1/5W	J	1	C00003356P520S	D/G	
R171	R,CARBON FILM	100 Kohm	1/5W	J	1	C00001046P520S	D/G	
R172	R,CARBON FILM	68 Kohm	1/5W	J	1	C00006836P520S	D/G	
R173	R,CARBON FILM	3.3 Kohm	1/5W	J	1	C00003326P520S	D/G	
R174	R,CARBON FILM	1.5 Kohm	1/5W	J	1	C00001526P520S	D/G	
R177	R,METAL FILM 100PPM	10 ohm	1.0W	J	1	C060010065520S	D/G	
R178	R,METAL FILM 100PPM	33 ohm	1.0W	J	1	C060033065520S	D/G	
R201L/R	R,CARBON FILM	1 Kohm	1/5W	J	2	C00001026P520S	D/G	
R202L/R	R,CARBON FILM	33 Kohm	1/5W	J	2	C00003336P520S	D/G	
R203L/R	R,CARBON FILM	180 ohm	1/5W	J	2	C00001816P520S	D/G	
R204L/R	R,CARBON FILM	180 ohm	1/5W	J	2	C00001816P520S	D/G	
R205L/R	R,CARBON FILM	18 Kohm	1/5W	J	2	C00001836P520S	D/G	
R207L/R	R,CARBON FILM	1.5 Kohm	1/5W	J	2	C00001526P520S	D/G	
R208L/R	R,CARBON FILM	1.5 Kohm	1/5W	J	2	C00001526P520S	D/G	
R209L/R	R,CARBON FILM	220 ohm	1/5W	J	2	C00002216P520S	D/G	
R210L/R	R,CARBON FILM	10 Kohm	1/5W	J	2	C00001036P520S	D/G	
R211L/R	R,CARBON FILM	43 Kohm	1/5W	J	2	C00004336P520S	D/G	
R212L/R	R,CARBON FILM	33 Kohm	1/5W	J	2	C00003336P520S	D/G	
R213L/R	R,CARBON FILM	1.3 Kohm	1/5W	J	2	C00001326P520S	D/G	
R214L/R	R,CARBON FILM	560 ohm	1/5W	J	2	C00005616P520S	D/G	
R216L/R	R,CARBON FILM	560 ohm	1/5W	J	2	C00005616P520S	D/G	
R217L/R	R,CARBON FILM	560 ohm	1/5W	J	2	C00005616P520S	D/G	
R218L/R	R,CARBON FILM	4.7 Kohm	1/5W	J	2	C00004726P520S	D/G	
R219L/R	R,CARBON FILM	4.7 Kohm	1/5W	J	2	C00004726P520S	D/G	
R220L/R	R,CARBON FILM	560 ohm	1/5W	J	2	C00005616P520S	D/G	
R221L/R	R,CARBON FILM	22 Kohm	1/5W	J	2	C00002236P520S	D/G	
R222L/R	R,CARBON FILM	22 Kohm	1/5W	J	2	C00002236P520S	D/G	
R223L/R	R,CARBON FILM	680 ohm	1/5W	J	2	C00006816P520S	D/G	
R224L/R	R,CARBON FILM	1.3 Kohm	1/5W	J	2	C00001326P520S	D/G	
R225L/R	R,CARBON FILM	2 Kohm	1/5W	J	2	C00002026P520S	D/G	
R226L/R	R,CARBON FILM	82 ohm	1/5W	J	2	C00008206P520S	D/G	
R227L/R	R,CARBON FILM	82 ohm	1/5W	J	2	C00008206P520S	D/G	
R228L/R	R,CARBON FILM	68 ohm	1/5W	J	2	C00006806P520S	D/G	
R229L/R	R,CARBON FILM	68 ohm	1/5W	J	2	C00006806P520S	D/G	

REF. No.	DESCRIPTION					Q'TY.	PARTS. No.	VER.
R230L/R	R,CARBON FILM	3.3 ohm	1/5W	J	2	2	C0003R306P520S	D/G
R231L/R	R,CARBON FILM	82 ohm	1/5W	J	2	2	C00008206P520S	D/G
R232L/R	R,CARBON FILM	3.3 ohm	1/5W	J	2	2	C0003R306P520S	D/G
R233L/R	R,CEMENT MPR	0.27 ohm	5.0W	J	2	2	C144R27069350S	D/G
R234L/R	R,CARBON FILM	1.8 Kohm	1/5W	J	2	2	C00001826P520S	D/G
R235L/R	R,CARBON FILM	2 Kohm	1/5W	J	2	2	C00002026P520S	D/G
R236L/R	R,CARBON FILM	910 ohm	1/5W	J	2	2	C00009116P520S	D/G
R237L/R	R,CARBON FILM	6.8 Kohm	1/5W	J	2	2	C00006826P520S	D/G
R238L/R	R,CARBON FILM	39 ohm	1/5W	J	2	2	C00003906P520S	D/G
R239L/R	R,CARBON FILM	39 ohm	1/5W	J	2	2	C00003906P520S	D/G
R240L/R	R,CARBON FILM	39 ohm	1/5W	J	2	2	C00003906P520S	D/G
R241L/R	R,CARBON FILM	39 ohm	1/5W	J	2	2	C00003906P520S	D/G
R242L/R	R,METAL FILM 100PPM	10 ohm	1.0W	J	2	2	C060010065520S	D/G
R243L/R	R,CARBON FILM	22 Kohm	1/5W	J	2	2	C00002236P520S	D/G
R251	R,METAL FILM 100PPM	68 ohm	1.0W	J	1	1	C060068065520S	D/G
R252	R,CARBON FILM	4.7 Kohm	1/5W	J	1	1	C00004726P520S	D/G
R253	R,CARBON FILM	47 Kohm	1/5W	J	1	1	C00004736P520S	D/G
R254	R,METAL FILM 100PPM	68 ohm	1.0W	J	1	1	C060068065520S	D/G
R255	R,CARBON FILM	4.7 Kohm	1/5W	J	1	1	C00004726P520S	D/G
R256	R,CARBON FILM	47 Kohm	1/5W	J	1	1	C00004736P520S	D/G
R608 ~ R609	R,METAL FILM 100PPM	0.22 ohm	1.0W	J	2	2	C060R22065050S	D/G
	TRANSISTORS							
Q131L/R	SEMI,TR/GE NPN 2SC				2	2	J502287400010S	D/G
Q151L/R	SEMI,TR/GE NPN 2SD				2	2	J5031302B0050S	D/G
Q152	SEMI,BRT/PNP RB				1	1	J601107M00050S	D/G
Q153	SEMI,BRT/PNP RC				1	1	J6020107M0010S	D/G
Q171	SEMI,TR/GE PNP 2SA				1	1	J5001267Y0050S	D/G
Q172 ~ Q173	SEMI,TR/GE NPN 2SC				2	2	J5021740S0010S	D/G
Q201L/R	SEMI,TR/GE PNP 2SA				2	2	J5000992F0050S	D/G
Q202L/R	SEMI,TR/GE PNP 2SA				2	2	J5000992F0050S	D/G
Q203L/R	SEMI,TR/GE PNP 2SA				2	2	J5000992F0050S	D/G
Q204L/R	SEMI,TR/GE PNP 2SA				2	2	J5000992F0050S	D/G
Q205L/R	SEMI,TR/GE NPN 2SC				2	2	J5021845F0000S	D/G
Q206L/R	SEMI,TR/GE PNP 2SA				2	2	J5000992F0050S	D/G
Q207L/R	SEMI,TR/GE NPN 2SC				2	2	J5021845F0000S	D/G
Q208L/R	SEMI,TR/GE PNP 2SA				2	2	J5001360O000DS	D/G
Q209L/R	SEMI,TR/GE NPN 2SC				2	2	J5021740S0010S	D/G
Q210L/R	SEMI,TR/GE NPN 2SC				2	2	J5023423O0000S	D/G
Q211L/R	SEMI,TR/GE NPN 2SC				2	2	J5024382Y0010S	D/G
Q212L/R	SEMI,TR/GE PNP 2SA				2	2	J5001668Y0010S	D/G
Q215L/R	SEMI,TR/GE NPN 2SC				2	2	J5021845F0000S	D/G
Q251 ~ Q252	SEMI,TR/GE NPN 2SC				2	2	J5023198Y0000S	D/G
	MISCELLANEOUS							
G101	TERMINAL				1	1	3790040876010S	D/G
RLY101 ~ RLY102	RELAY				2	2	G680240502030S	D/G
THER101L/R	THERMISTOR				2	2	F340530200000S	D/G
	P.C.B				1	1	7020022420013S	D/G
	CN,WIRE 1P				132	132	L045084006040S	D/G
	HEAT SINK				1	1	2120044338010S	D/G
	SCREW,TAP TITE				1	1	B020030083B10S	D/G
PCB2	ASSEMBLY P.C.B BOARD FRONT						7028069567010	D
PCB2	ASSEMBLY P.C.B BOARD FRONT						7028069561010	G
	CAPACITORS							
C300 ~ C301	C,CERAMIC CHIP HIK	0.047 uF	50V	Z	2	2	D011473597160S	D/G
C301L/R	C,ELECT GE 85C	4.7 uF	50V	M	2	2	D0404R7087250S	D/G
C302L/R	C,CERAMIC CHIP T.C	47 pF	50V	J	2	2	D010470167160S	D/G
C303L/R	C,ELECT GE 85C	4.7 uF	16V	M	2	2	D0404R7083060S	D/G
C304	C,CERAMIC CHIP HIK	0.047 uF	50V	Z	1	1	D011473597160S	D/G
C304L/R	C,ELECT GE 85C	2.2 uF	50V	M	2	2	D0402R2087110S	D/G
C305	C,CERAMIC CHIP HIK	0.047 uF	50V	Z	1	1	D011473597160S	D/G
C305L/R	C,FILM POLYESTER	0.015 uF	100V	J	2	2	D02015306C050S	D/G
C306L/R	C,FILM METALIZER	0.082 uF	100V	J	2	2	D02382306C050S	D/G
C307L/R	C,FILM METALIZER	0.0033 uF	100V	J	2	2	D02333206C050S	D/G
C308L/R	C,FILM METALIZER	0.022 uF	100V	J	2	2	D02322306C050S	D/G
C311	C,CERAMIC CHIP HIK	0.022 uF	50V	K	1	1	D011223777160S	D/G
C312	C,ELECT GE 85C	0.47 uF	50V	M	1	1	D040R47087110S	D/G
C313	C,ELECT GE 85C	100 uF	10V	M	1	1	D040101082090S	D/G
C313L/R	C,ELECT GE 85C	4.7 uF	50V	M	2	2	D0404R7087250S	D/G
C314	C,DOUBLE LAYER(70)	47000 uF	5.5V	Z	1	1	D090473904010S	D/G
C314L/R	C,CERAMIC CHIP T.C	82 pF	50V	J	2	2	D010820167160S	D/G
C315	C,CERAMIC CHIP HIK	0.022 uF	50V	K	1	1	D011223777160S	D/G
C315L/R	C,ELECT GE 85C	4.7 uF	50V	M	2	2	D0404R7087250S	D/G
C316	C,CERAMIC CHIP HIK	1000 pF	50V	K	1	1	D011102777160S	D/G

REF. No.	DESCRIPTION	Q'TY.	PARTS. No.	VER.
C316L/R	C,CERAMIC CHIP T.C 330 pF 50V J	2	D010331167160S	D/G
C317	C,ELECT GE 85C 1 uF 50V M	1	D040010087070S	D/G
C317L/R	C,CERAMIC CHIP T.C 330 pF 50V J	2	D010331167160S	D/G
C318	C,ELECT GE 85C 2.2 uF 50V M	1	D0402R2087110S	D/G
C331L/R	C,CERAMIC CHIP T.C 560 pF 50V J	2	D010561167160S	D/G
C332L/R	C,FILM POLYESTER 0.22 uF 63V K	2	D020224078060S	D/G
	CONNECTORS			
CP301	CN.WAFER 2.0MM	1	L101200100920S	D/G
	DIODES			
D300, D303 ~ D305	D,SWITCHING CHIP	4	K005041483230S	D/G
	INTERGRATED CIRCUITS			
IC300	IC,CPU MICRO PROCESS	1	J020780502540S	D/G
IC302 ~ IC303	IC,LINEAR OP	2	J121206800030S	D/G
	RESISTORS			
J359	R,CHIP THICK 0 ohm 1/16W J	1	C20000006M160S	D/G
R301L/R	R,CHIP THICK 100 ohm 1/16W J	2	C20001016M160S	D/G
R302	R,CHIP THICK 10 Kohm 1/16W J	1	C20001036M160S	D/G
R302L/R	R,CHIP THICK 470 Kohm 1/16W J	2	C20004746M160S	D/G
R303L/R	R,CHIP THICK 100 Kohm 1/16W J	2	C20001046M160S	D/G
R304L/R	R,CHIP THICK 470 Kohm 1/16W J	2	C20004746M160S	D/G
R305L/R	R,CHIP THICK 47 Kohm 1/16W J	2	C20004736M160S	D/G
R306L/R	R,CHIP THICK 1.8 Kohm 1/16W J	2	C20001826M160S	D/G
R307	R,CHIP THICK 3.3 Kohm 1/16W J	1	C20003326M160S	D/G
R307L/R	R,CHIP THICK 22 Kohm 1/16W J	2	C20002236M160S	D/G
R308	R,CHIP THICK 100 Kohm 1/16W J	1	C20001046M160S	D/G
R308L	R,CHIP THICK 3.3 Kohm 1/16W J	1	C20003326M160S	D/G
R308L1	R,CHIP THICK 3.3 Kohm 1/16W J	1	C20003326M160S	D/G
R309	R,CHIP THICK 47 Kohm 1/16W J	1	C20004736M160S	D/G
R309L/R	R,CHIP THICK 2.2 Kohm 1/16W J	2	C20002226M160S	D/G
R310	R,CHIP THICK 1 Kohm 1/16W J	1	C20001026M160S	D/G
R310R	R,CHIP THICK 560 ohm 1/16W J	1	C20005616M160S	D/G
R310R1	R,CHIP THICK 560 ohm 1/16W J	1	C20005616M160S	D/G
R311	R,CHIP THICK 8.2 Kohm 1/16W J	1	C20008226M160S	D/G
R312 ~ R313	R,CHIP THICK 1 Kohm 1/16W J	2	C20001026M160S	D/G
R313L/R	R,CHIP THICK 100 ohm 1/16W J	2	C20001016M160S	D/G
R314	R,CHIP THICK 4.7 Kohm 1/16W J	1	C20004726M160S	D/G
R314L/R	R,CHIP THICK 470 Kohm 1/16W J	2	C20004746M160S	D/G
R315L/R	R,CHIP THICK 100 Kohm 1/16W J	3	C20001046M160S	D/G
R316	R,CHIP THICK 1.2 Kohm 1/16W J	1	C20001226M160S	D/G
R316L/R	R,CHIP THICK 10 Kohm 1/16W J	2	C20001036M160S	D/G
R317	R,CHIP THICK 1.2 Kohm 1/16W J	1	C20001226M160S	D/G
R317L/R	R,CHIP THICK 1.8 Kohm 1/16W J	2	C20001826M160S	D/G
R318	R,CHIP THICK 1.2 Kohm 1/16W J	1	C20001226M160S	D/G
R318L/R	R,CHIP THICK 1.8 Kohm 1/16W J	2	C20001826M160S	D/G
R319	R,CHIP THICK 1.2 Kohm 1/16W J	1	C20001226M160S	D/G
R319L/R	R,CHIP THICK 100 Kohm 1/16W J	2	C20001046M160S	D/G
R320	R,CHIP THICK 1.2 Kohm 1/16W J	1	C20001226M160S	D/G
R320L/R	R,CHIP THICK 220 Kohm 1/16W J	2	C20002246M160S	D/G
R321	R,CHIP THICK 3.3 Kohm 1/16W J	1	C20003326M160S	D/G
R321L/R	R,CHIP THICK 47 Kohm 1/16W J	2	C20004736M160S	D/G
R322	R,CHIP THICK 2.2 Kohm 1/16W J	1	C20002226M160S	D/G
R326	R,CHIP THICK 1 Kohm 1/16W J	1	C20001026M160S	D/G
R327	R,CHIP THICK 220 ohm 1/16W J	1	C20002216M160S	D/G
R331L/R	R,CHIP THICK 39 Kohm 1/16W J	2	C20003936M160S	D/G
R332	R,CHIP THICK 220 ohm 1/16W J	1	C20002216M160S	D/G
R332L/R	R,CHIP THICK 3.3 Kohm 1/16W J	2	C20003326M160S	D/G
R337, R338	R,CHIP THICK 33 Kohm 1/16W J	2	C20003336M160S	D/G
R339	R,CHIP THICK 220 ohm 1/16W J	1	C20002216M160S	D/G
VR300 ~ VR301	VR,ROTARY 14MM	2	C454121402900S	D/G
VR302	VR,ROTARY 14MM	1	C454121402500S	D/G
	TRANSISTORS			
Q304	SEMI,CHIP TR/NPN 2SC	1	J522010300210S	D/G
Q305 ~ Q309	SEMI,CHIP TR/NPN 2SC	5	J522010500210S	D/G
	MISCELLANEOUS			
CN304	CN,WIRE 2MM	1	L002161092630S	D/G
CN305	CN,WIRE 2MM	1	L002351050030S	D/G
CN306	CN,WIRE	1	L000351100020S	D/G
CN307	CN,WIRE 2MM	1	L002161062630S	D/G
CP303	CN,WIRE 2MM	1	L002101150100S	D/G
J305 ~ J347, J349 ~ J358, J360 ~ J363, J366, J370 ~ J373, J375, J378 ~ J380	CN,WIRE 1P	66	L045084006040S	D/G
LED300	LED,ROUND	1	K500032101061S	D/G

REF. No.	DESCRIPTION	Q'TY.	PARTS. No.	VER.
LED301 ~ LED304	LED,ROUND	4	K500035101270S	D/G
SW300	SW,PUSH	1	G000041640000S	D/G
SW301 ~ SW303	SW,TACT	3	G180000270010S	D/G
SW304	SW,PUSH	1	G000041640000S	D/G
SW305 ~ SW306	SW,TACT	2	G180000270010S	D/G
	P.C.B	1	7020069560001S	D/G
	SHIELD	1	3070210007000S	D/G
PCB3	ASSEMBLY P.C.B BOARD SPK LED		7028069568010	D
PCB3	ASSEMBLY P.C.B BOARD SPK LED		7028069562010	G
C325	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104577160S	D/G
C327	C,ELECT GE 85C 47 uF 25V M	1	D040470084070S	D/G
C328	C,CERAMIC CHIP HIK 0.1 uF 50V K	1	D011104577160S	D/G
CP308	CN.WAFER 2.0MM	1	L101200100920S	D/G
D314	D,SWITCHING CHIP	1	K005041483230S	D/G
R328	R,CHIP THICK 470 ohm 1/16W J	1	C20004716M160S	D/G
R329 ~ R331, R333 ~ R334	R,CHIP THICK 1 Kohm 1/16W J	5	C20001026M160S	D/G
R336	R,CHIP THICK 1.5 Kohm 1/16W J	1	C20001526M160S	D/G
Q311 ~ Q313	SEMI,CHIP TR/NPN 2SC	3	J522010500210S	D/G
GUIDE	GUIDE	1	4350210011000S	D/G
LED305 ~ LED307	LED,ROUND	3	K500052101161S	D/G
REM300	MODULE,REMOCON	1	E940943003810S	D/G
SW308	SW,TACT	1	G180000270010S	D/G
SW309	SW,TACT	1	G180000270010S	D/G
PCB4	ASSEMBLY P.C.B BOARD VOLUME		7028069569010	D
PCB4	ASSEMBLY P.C.B BOARD VOLUME		7028069563010	G
C308	C,FILM POLYESTER 0.01 uF 100V J	1	D02010306C060S	D/G
C309 ~ C310	C,ELECT GE 85C 47 uF 50V M	2	D040470087070S	D/G
C322	C,ELECT GE 85C 220 uF 16V M	1	D040221083110S	D/G
CP302	CN.WAFER 2.0MM	1	L101200101510S	D/G
D301 ~ D302	D,ZENER	2	K06005R144520S	D/G
R300 ~ R301, R303 ~ R304	R,CHIP THICK 1 Kohm 1/16W J	4	C20001026M160S	D/G
R305 ~ R306	R,CHIP THICK 4.7 Kohm 1/16W J	2	C20004726M160S	D/G
VOL300	VR,ROTARY 16MM	1	C455168120010S	D/G
Q300 ~ Q301	SEMI,TR/GE PNP 2SA	2	J5005600Y0050S	D/G
Q302 ~ Q303	SEMI,TR/GE NPN 2SC	2	J5020600Y0050S	D/G
CN300	CN,WIRE 2MM	1	L002121040050S	D/G
J301 ~ J304	CN,WIRE 1P	4	L045084006040S	D/G
J376	CN,WIRE 1P	1	L045084006040S	D/G
PCB5	ASSEMBLY P.C.B BOARD POWER SW		7028069564010	G
CN502	CN,WIRE	1	L000401020010S	G
SW501	SW,PUSH	1	G000122006060S	G
PCB6	ASSEMBLY P.C.B BOARD STANDBY		702806956B010	D
PCB6	ASSEMBLY P.C.B BOARD STANDBY		7028069565010	G
C319 ~ C320	C,FILM POLYESTER 0.047 uF 100V J	2	D02047306C060S	D/G
C321	C,ELECT GE 85C 10 uF 50V M	1	D040100087060S	D/G
C323	C,ELECT GE 85C 1000 uF 16V M	1	D040102083030S	D/G
C324	C,FILM POLYESTER 0.047 uF 100V J	1	D02047306C060S	D/G
C329	C,ELECT GE 85C 1 uF 50V M	1	D040010087150S	D/G
C507	C,CERAMIC AC(SAFETY) 4700 pF 400V M	1	D00847208K070S	D/G
CP310	CN.WAFER 7.92MM	1	L108202000220S	D/G
CP312	CN.WAFER 7.92MM	1	L108353280290S	D/G
CP313	CN.WAFER 2.0MM	1	L101200100510S	D/G
CP314	CN.WAFER 7.92MM	1	L108353280280S	D/G
D306	D,SWITCHING CHIP	1	K005041483230S	D/G
D307	D,ZENER	1	K06005R144520S	D/G
D308 ~ D311	D,SWITCHING	4	K000400700010S	D/G
D312, D316	D,SWITCHING CHIP	2	K005041483230S	D/G
IC301	IC,LINEAR-REGULATOR	1	J126780500110S	D/G
	SOCKET,POWER RECEPTA	1	G435040110000S	G
R323	R,CHIP THICK 4.7 Kohm 1/16W J	1	C20004726M160S	D/G
R324	R,CHIP THICK 220 Kohm 1/16W J	1	C20002246M160S	D/G
R325	R,METAL FILM 100PPM 10 ohm 1/4W J	1	C060010063050S	D/G
R335	R,CHIP THICK 47 Kohm 1/16W J	1	C20004736M160S	D/G
TRANS300	TRANS ST/BY	1	8201280000011S	D/G
Q314	SEMI,CHIP TR/NPN 2SC	1	J522038750210S	D/G
F502	FUSE GLASS TUBE 20MM	1	N751224001110S	D/G
F502A/B	HOLDER,FUSE CLIP	2	G645000050010S	D/G
F503	FUSE GLASS TUBE 20MM	1	N751222001110S	G
F503A/B	HOLDER,FUSE CLIP	2	G645000050010S	G
GND301	TERMINAL	1	3790040876010S	D/G
J364 ~ J365, J367 ~ J369, J374	CN,WIRE 1P	6	L045084006040S	D/G
RLY501	RELAY	1	G680120502010S	D/G
PCB7	ASSEMBLY P.C.B BOARD HEADPHONE		702806956C010	D

REF_No.	DESCRIPTION	Q'TY.	PARTS_No.	VER.
PCB7	ASSEMBLY P.C.B BOARD HEADPHONE		7028069566010	G
C271L/R	C,CERAMIC CHIP T.C 560 pF 50V J	2	D010561167160S	D/G
JACK300	JACK,D6.5	1	G402040161331S	D/G
R271L/R	R,METAL FILM 100PPM 470 ohm 1.0W J	2	C060047165050S	D/G
R272L/R	R,CHIP THICK 15 Kohm 1/16W J	2	C20001536M160S	D/G
CN309	CN,WIRE 2MM	1	L002501030030S	D/G
	SHIELD	1	3070045816011S	D/G
PCB8	ASSEMBLY P.C.B BOARD POWER_SW		702806956A010	D
CN502	CN,WIRE	1	L000401020010S	D
SW501	SW,PUSH	1	G000122006060S	D

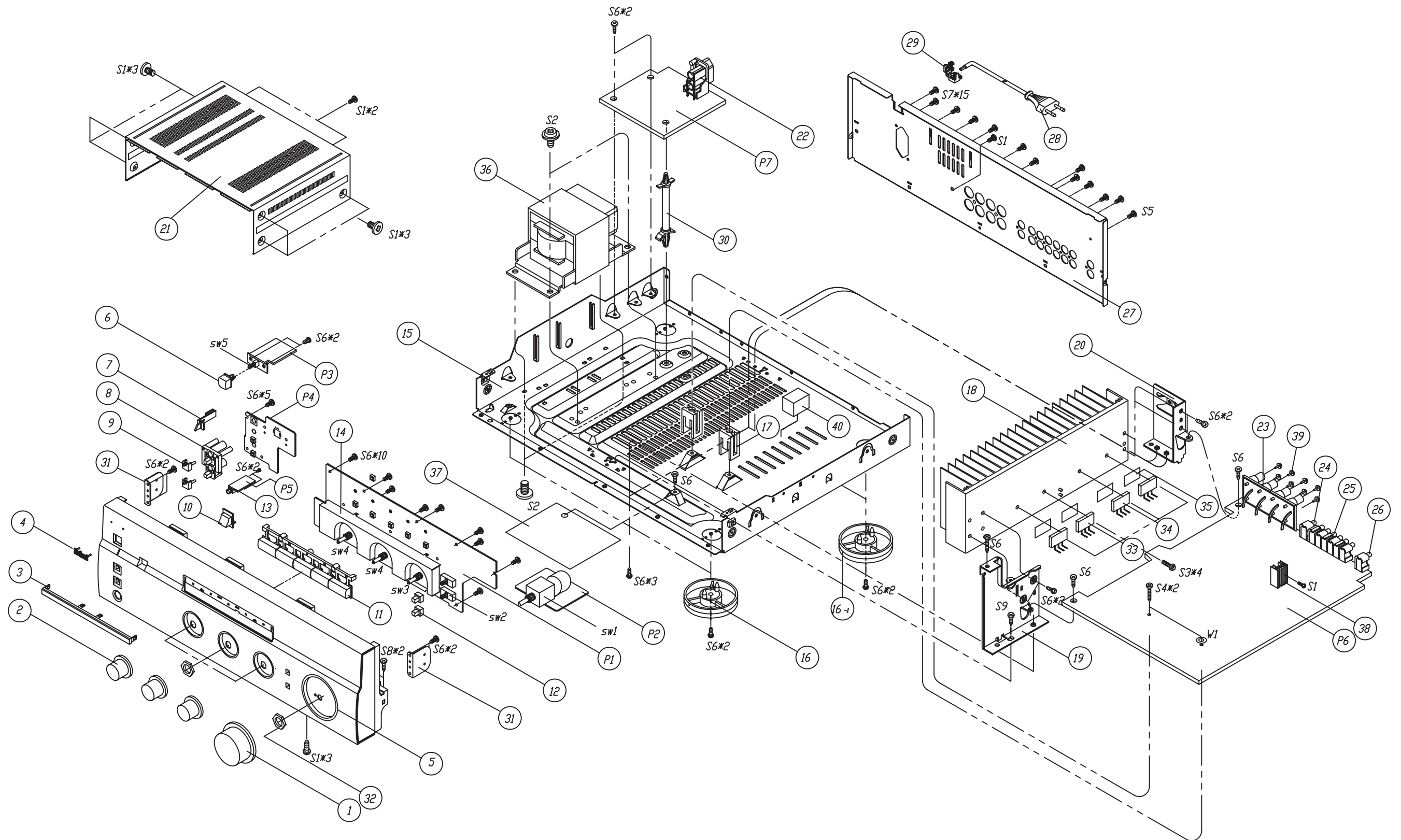
MECHANICAL PARTS LIST

NO.	DESCRIPTION	Q'TY	HA090502<DOM>	HA090501<G>
1	BUTTON MAIN KNOB	1	5097-04565-101-1SZ	5097-04565-101-1SZ
2	BUTTON KNOB ROTARY	3	5097-05401-101-0SZ	5097-05401-101-0SZ
3	WINDOW FLT	1	5070-21001-300-0SZ	5070-21001-300-0SZ
4	BADGE INKEL	1	5637-21026-801-0S	5637-21003-101-0S
5	PANEL FRONT	1	3067-21001-104-0SZ	3067-21001-104-0SZ
6	BUTTON POWER	1	5090-20009-101-0S	5090-20009-101-0S
7	INDICATOR B	1	5160-20002-101-0S	5160-20002-101-0S
8	BUTTON SPEAKER	1	5090-21006-100-0SZ	5090-21006-100-0SZ
9	INDICATOR C	2	5160-20003-101-0S	5160-20003-101-0S
10	WINDOW REMOTE	1	5070-21002-300-0SZ	5070-21002-300-0SZ
11	BUTTON FUNCTION	1	5097-21007-101-0SZ	5097-21007-101-0SZ
12	BUTTON DIRECT	2	5090-21005-100-0SZ	5090-21005-100-0SZ
13	JACK, D6.5	1	G402-04016-133-1S	G402-04016-133-1S
14	SHIELD	1	3070-21000-700-0S	3070-21000-700-0S
15	CHASSIS MAIN	1	3200-02018-606-0S	3200-02018-606-0S
16	FOOT PL GOLD	2	4007-04020-101-0S	4007-04020-101-0S
16-1	FOOT PL	2	4000-04020-101-0S	4000-04020-101-0S
17	SUPPORTER	2	4070-00160-101-0S	4070-00160-101-0S
18	HEAT SINK	1	2120-02009-805-0S	2120-02009-805-0S
19	BRACKET A	1	4010-02024-601-0S	4010-02024-601-0S
20	BRACKET B	1	4010-02025-601-0S	4010-02025-601-0S
21	CAVINET TOP	1	3000-02020-604-0S	3000-02020-604-0S
22	SOCKET, POWER RECEPTA	1		G435-04011-000-0S
23	TER, BOARD PUSH 8P	1	G614-108V-102-0MS	G614-108V-102-0MS
24	TER, RCA 2PIN	1	G601-20043-004-0S	G601-20043-004-0S
25	TER, RCA 6PIN	2	G603-06004-602-0S	G603-06004-602-0S
26	TER, RCA 2PIN	1	G601-20043-003-0S	G601-20043-003-0S
27	CHASSIS BACK	1	3207-21000-670-0S	3207-21000-651-0S
28	CORD ASSY	1	L068-25025-018-0S	L068-25025-010-0S
29	STOPPER	1	4380-04016-201-0S	4380-04016-201-0S
30	SUPPORTER	1	4070-00034-000-0S	4070-00034-000-0S
31	BRACKET SIDE	2	4010-02080-601-0S	4010-02080-601-0S
32	NUT	4	_____	_____
33	SEMI,TR	2	J500-1491Y-001-0S	J500-1491Y-001-0S
34	SEMI,TR	2	J502-3855Y-001-0S	J502-3855Y-001-0S
35	MICA	4	_____	_____
36	POWER TRANS	1	8200-85857-003-0S	8200-85868-008-0S
37	SHIELD	1	3070-21007-600-0S	3070-21007-600-0S
38	HEAT SINK	1	2120-04433-801-0S	2120-04433-801-0S
39	BUSHING	8	2410-04035-301-0S	2410-04035-301-0S
40	CUSHION	1	4050-21051-500-0S	4050-21051-500-0S

NO.	DESCRIPTION	Q'TY	HA090502<DOM>	HA090501<G>
S1	SCREW,TAP TITE 3*8 BK	13	B020-03008-3B1-0S	B020-03008-3B1-0S
S2	SCREW,TAP TITE ASSY 4*8 ZNY	4	B028-94010-1B1-1S	B028-94010-1B1-1S
S3	SCREW,TAPPING ASSY 3*14 ZNY	4	B018-23014-1H1-0S	B018-23014-1H1-0S
S4	SCREW,TAP TITE 3*17 ZNY	2	B020-03017-1B1-0S	B020-03017-1B1-0S
S5	SCREW,TAPPING 3*8 NI	1	B010-33008-4B1-0S	B010-33008-4B1-0S
S6	SCREW,TAP TITE 3*8 ZNY	40	B020-03008-1B1-0S	B020-03008-1B1-0S
S7	SCREW,TAP TITE	15	B020-03010-3B1-1S	B020-03010-3B1-1S
S8	SCREW	2	1500-00120-601-0S	1500-00120-601-0S
S9	SCREW,TAP TITE	1	B020-23008-3B1-0S	B020-23008-3B1-0S
W1	WASHER	1	B300-03516-1P1-0S	B300-03516-1P1-0S

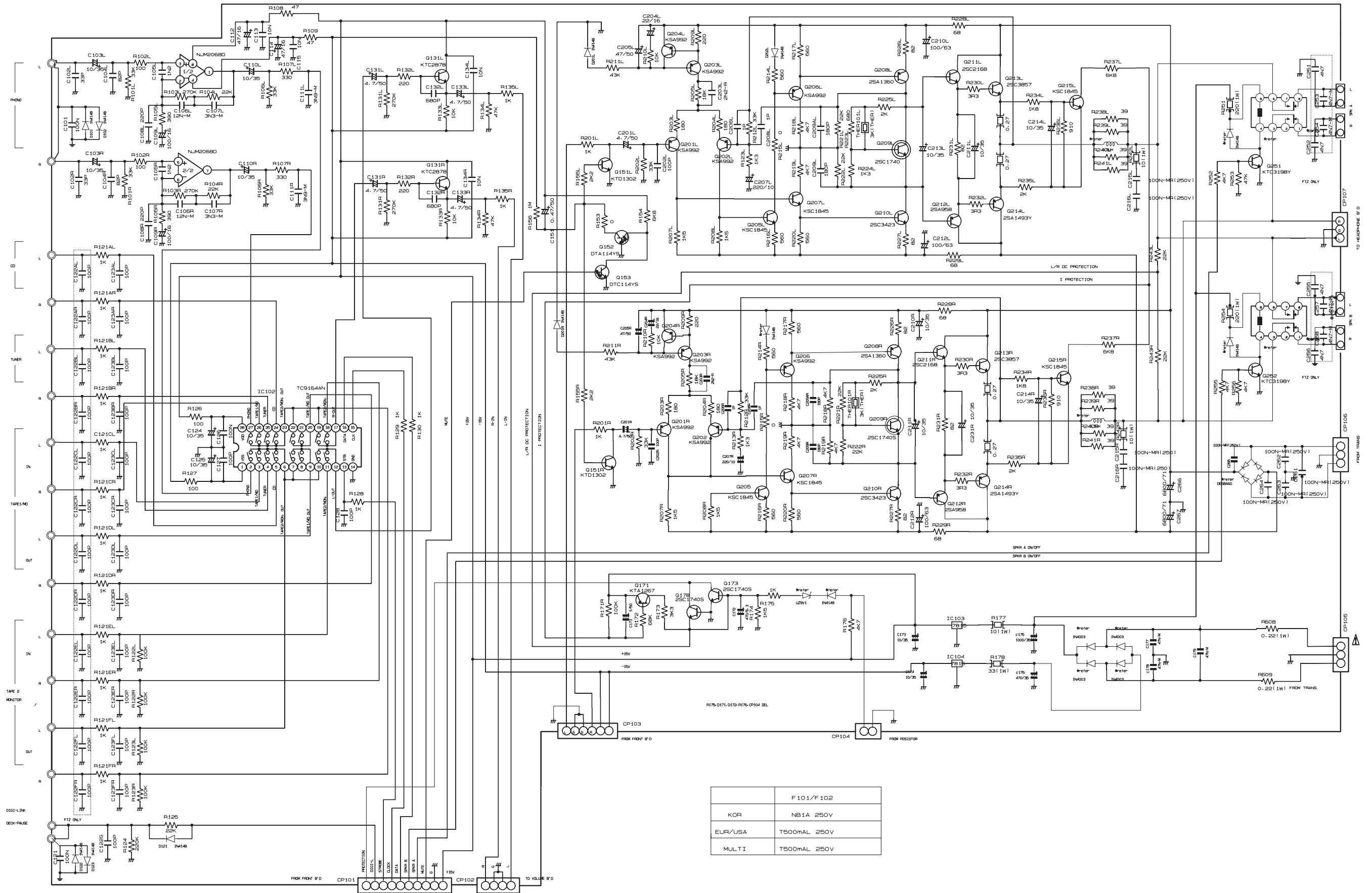
NO.	DESCRIPTION	Q'TY	HA090502<DOM>	HA090501<G>
P1	PCB FRONT	1	7028-06956-701-0	7028-06956-101-0
P2	PCB VOLUME	1	7028-06956-901-0	7028-06956-301-0
P3	PCB POWER SWITCH	1	7028-06956-100-1	7028-06956-401-0
P4	PCB SPK LED	1	7028-06956-801-0	7028-06956-201-0
P5	PCB HEADPHONE	1	7028-06956-120-1	7028-06956-601-0
P6	PCB MAIN	1	7028-02242-201-0	7028-02242-006-0
P7	PCB STANDBY	1	7028-06956-110-1	7028-06956-501-0
SW1	VR, ROTARY 16mm MOTOR	1	C455-16812-001-0S	C455-16812-001-0S
SW2	SW, PUSH	2	G000-04164-000-0S	G000-04164-000-0S
SW3	VR, ROTARY 14mm	1	C454-12140-250-0S	C454-12140-250-0S
SW4	VR, ROTARY 14mm	2	C454-12140-290-0S	C454-12140-290-0S
SW5	SW, PUSH	1	G000-12200-606-0S	G000-12200-606-0S

EXPLODED VIEW



SCHEMATIC DIAGRAMS

MAIN



FRONT

AX-5505 FRONT B



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