

JVC

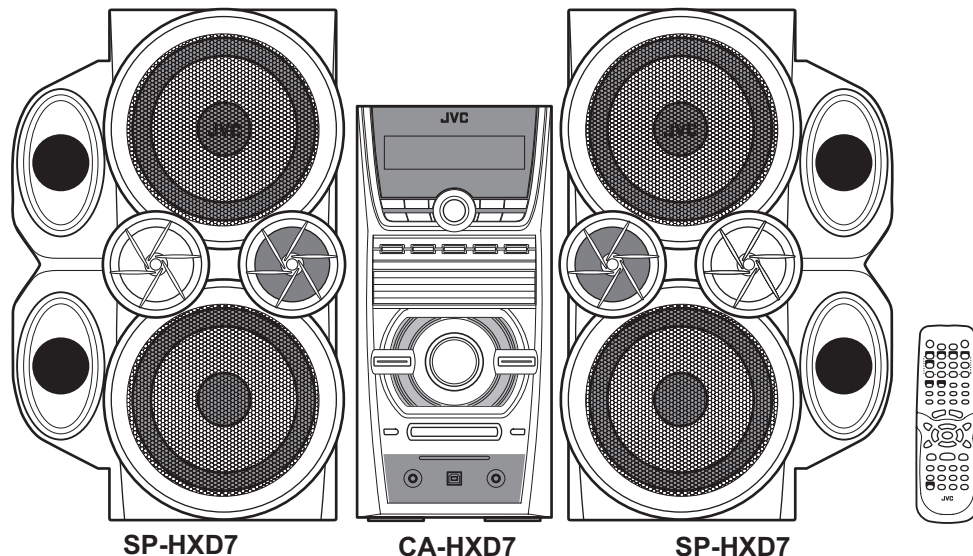
SERVICE MANUAL

COMPACT COMPONENT SYSTEM

HX-D7

Area suffix

UJ ----- U.S.Military



Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

TABLE OF CONTENTS

1	PRECAUTION.....	1-3
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-4
3	DISASSEMBLY	1-5
4	ADJUSTMENT	1-17
5	TROUBLESHOOTING	1-17

SPECIFICATION

CA-HXD7

Amplifier section	Output Power	SUBWOOFER	135 W per channel, min. RMS, driven into 6 Ω at 63 Hz with no more than 10% total harmonic distortion. (IEC268-3)
		MAIN SPEAKER	60 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion. (IEC268-3)
	Audio input sensitivity/impedance		AUX:400 mV/47 k Ω USB:USB Version 1.1
	Digital output		DIGITAL OUTPUT (OPTICAL):-21 dBm to -15 dBm (660 nm \pm 30 nm)
	VIDEO OUT		Color system:NTSC
	VIDEO (composite)		1 V(p-p)/75 Ω
	S-VIDEO		Y (luminance):1 V(p-p)/75 Ω C (chrominance, burst):0.286 V(p-p)/75 Ω
	COMPONENT(interlace/ progressive)		(Y):1 V(p-p)/75 Ω (PB/PR):0.7 V(p-p)/75 Ω
	Speaker Terminals		4 Ω - 8 Ω (main speakers) 6 Ω - 16 Ω (subwoofers)
Tuner section	FM tuning range		87.50 MHz - 108.00 MHz
	AM tuning range		531 kHz - 1 710 kHz (at 9 kHz interval) 530 kHz - 1 710 kHz (at 10 kHz interval)
Disc player section	Playable disc		DVD Video/DVD Audio CD/VCD/SVCD CD-R/CD-RW (recorded in Audio CD/Video CD/Super Video CD/MP3/JPEG format) DVD-R/DVD-RW (recorded in video format)
	Dynamic range		90 dB
	Horizontal resolution		500 lines
	Wow and flutter		Immeasurable
General	Power requirement		AC 110 V - AC 127 V/ AC 220 V - AC 240 V (adjustable with the voltage selector), 50/60 Hz
	Power consumption		160 W (at operation) 30 W (on standby)
	Dimensions (approx.)		175 mm \times 373 mm \times 389 mm (W/H/D)
	Mass (approx.)		10.1 kg

Speaker section-SP-HXD7

Type		4-Way Front Twin Woofer (Magnetically Shielded Type)
Speakers	Subwoofer	16 cm cone \times 1
	Woofer	16 cm cone \times 1
	Mid range	7 cm cone \times 1
	Tweeter	2 cm piezo \times 1
Power handling capacity	Subwoofer	360 (180 + 180) W
	Main speaker	160 (80 + 80) W
Impedance	Subwoofer	6 Ω
	Main speaker	4 Ω
Frequency range	Subwoofer	30 Hz - 1 000 Hz
	Main speaker	50 Hz - 20 000 Hz
Sound pressure level	Subwoofer	74 dB/W·m
	Main speaker	84 dB/W·m
Dimensions (approx.)		295 mm \times 452 mm \times 390 mm (W/H/D)
Mass (approx.)		8.9 kg each

Design and specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 Safety Precautions

- (1) This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- (4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

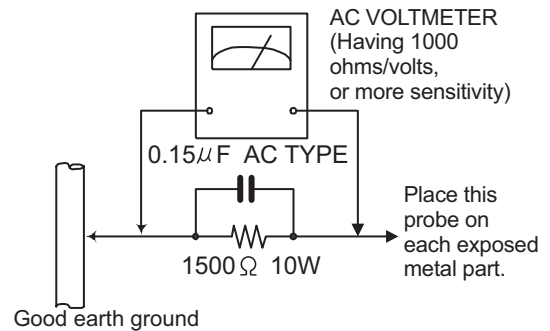
(5) Leakage shock hazard testing

After reassembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

- Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
- Alternate check method
Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 Ω per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC

voltmeter.

Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



1.2 Warning

- (1) This equipment has been designed and manufactured to meet international safety standards.
- (2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- (3) Repairs must be made in accordance with the relevant safety standards.
- (4) It is essential that safety critical components are replaced by approved parts.
- (5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.

Therefore, pay attention to such burrs in the case of pre-forming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (\blacksquare), diode (\blacktriangle) and ICP (\bullet) or identified by the " Δ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.

(This regulation dose not Except the J and C version)

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

This service manual does not describe SPECIFIC SERVICE INSTRUCTIONS.

SECTION 3 DISASSEMBLY

3.1 Main body section

3.1.1 Removing the metal cover

(See Figs.1 to 3)

- (1) From the back side of the main body, remove the five screws **A** attaching the metal cover. (See Fig.1.)
- (2) From the both sides of the main body, remove the four screws **A** attaching the metal cover. (See Figs.2 and 3.)
- (3) Remove the metal cover from the main body while lifting the rear section of the metal cover in the direction of the arrow. (See Figs.2 and 3.)

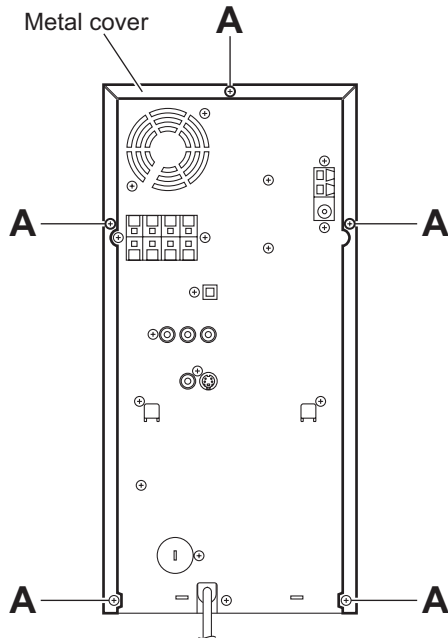


Fig.1

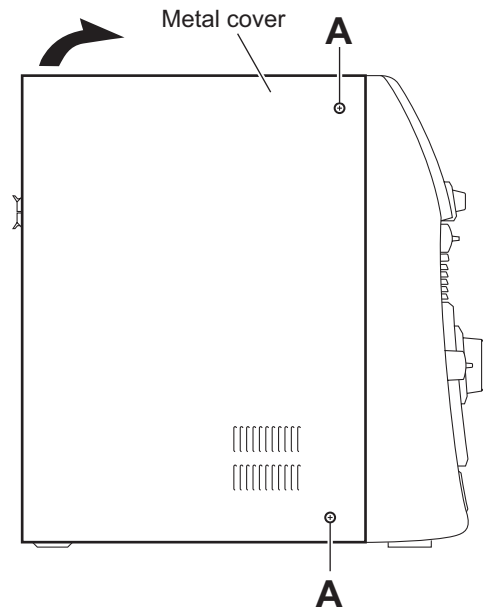


Fig.3

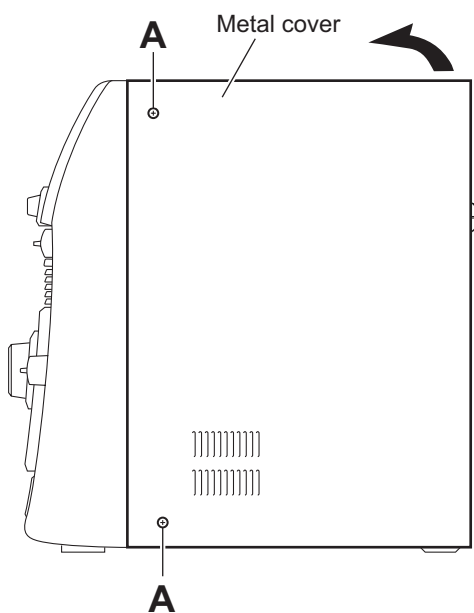


Fig.2

3.1.2 Removing the tuner (See Figs.4 and 5)

- Remove the metal cover.
 - (1) From the left side of the main body, disconnect the card wire from the connector on the tuner. (See Fig.4.)
 - (2) From the back side of the main body, remove the two screws **B** attaching the tuner to the rear panel. (See Fig.5.)

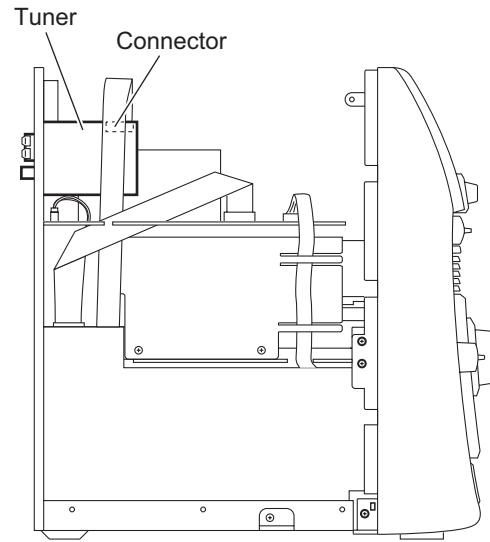


Fig.4

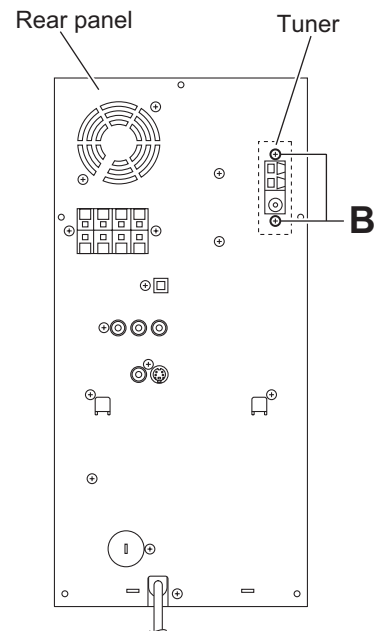


Fig.5

3.1.3 Removing the fan motor (See Figs.6 and 7)

- Remove the metal cover.
 - (1) From the top side of the main body, disconnect the wire from the connector [FAN101](#) on the amplifier board. (See Fig.6.)
 - (2) From the back side of the main body, remove the two screws **C** attaching the fan motor to the rear panel. (See Fig.7.)
 - (3) Take out the fan motor from the main body.

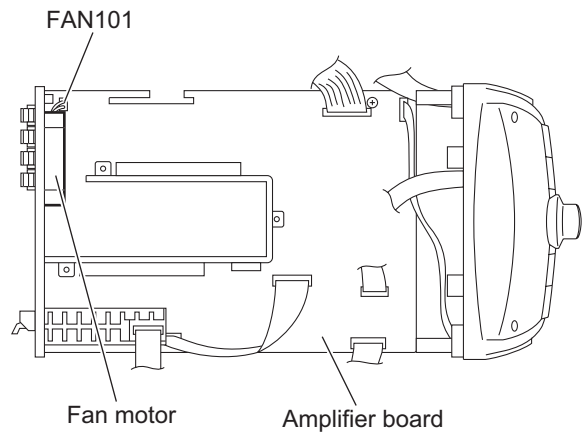


Fig.6

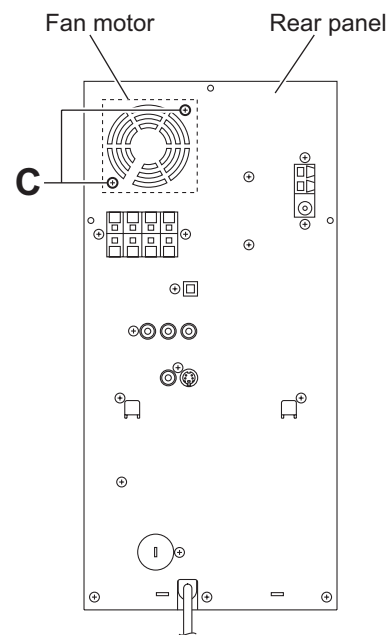


Fig.7

3.1.4 Removing the rear panel (See Fig.8)

- Remove the metal cover.
 - From the back side of the main body, remove the fifteen screws **D** and screw **E** attaching the rear panel.
 - Remove the sections **a** toward this side and remove the rear panel from the sections **b**.

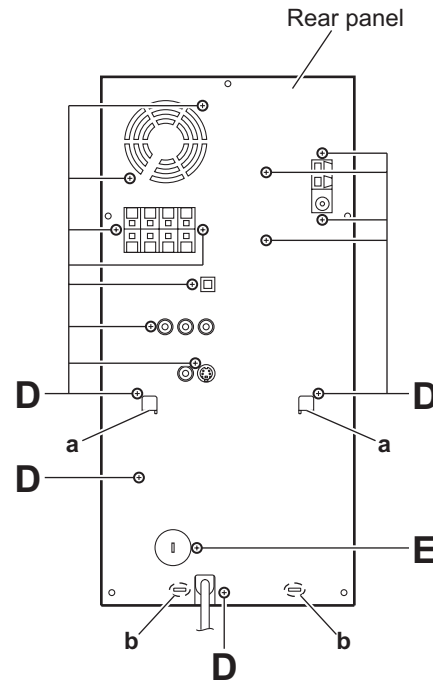


Fig.8

3.1.5 Removing the video board (See Fig.9)

- Remove the metal cover and rear panel.

From the back side of the main body, disconnect the card wire from the connector [CN101](#) on the video board.

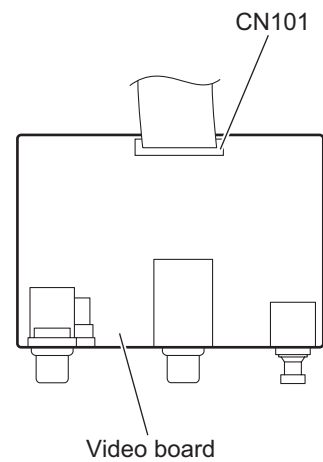


Fig.9

3.1.6 Removing the fuse board and voltage selector board (See Fig.10)

- Remove the metal cover and rear panel.

From the back side of the main body, disconnect the wires from the connectors ([DCW06](#), [DCW07](#)) on the fuse board and remove the fuse board with the voltage selector board.

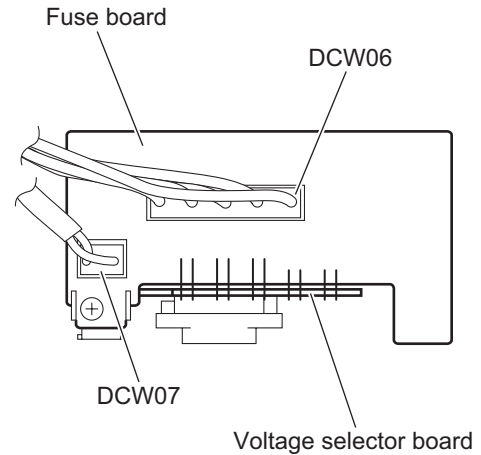


Fig.10

3.1.7 Removing the amplifier board (See Fig.11)

- Remove the metal cover and rear panel.
- From the top side of the main body, disconnect the wire of the fan motor from the connector [FAN101](#) on the amplifier board.
 - Disconnect the wire from the connector [FAN102](#) on the amplifier board and remove the wire from the slot **c**.
 - Disconnect the wires from the connectors ([AW102](#), [AW105](#), [CW108](#)) on the amplifier board.
 - Disconnect the card wire from the connector [AW104](#) on the amplifier board.
 - Disconnect the card wire from the connector [AW101](#) on the amplifier board and remove the card wire from the slot **c**.
 - Remove the card wire of the tuner from the slot **c**.

Reference:

- Remove the tuner as required.
- When connecting the each wire, pass them through the slot **c** as before.

- Remove the screw **F** and take out the amplifier board from the main body.

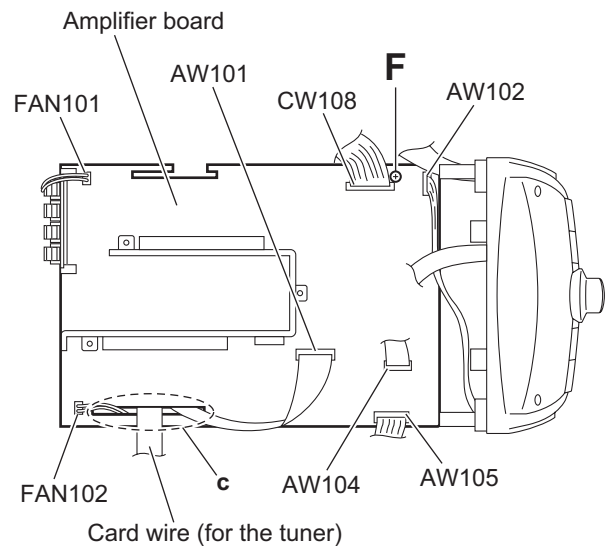


Fig.11

3.1.8 Removing the power amplifier ICs (See Figs.12 to 14)

- Remove the metal cover, rear panel and amplifier board.
 - From the forward side of the amplifier board, remove the four screws **G** and screw **H** attaching the power amplifier ICs to the heat sink. (See Figs.12 and 13.)
 - From the reverse side of the amplifier board, remove the three screws **J** attaching the heat sink. (See Fig.14.)
 - Remove the soldered sections (**d**, **e**, **f**) and remove the power amplifier ICs from the forward side of the amplifier board. (See Fig.14.)

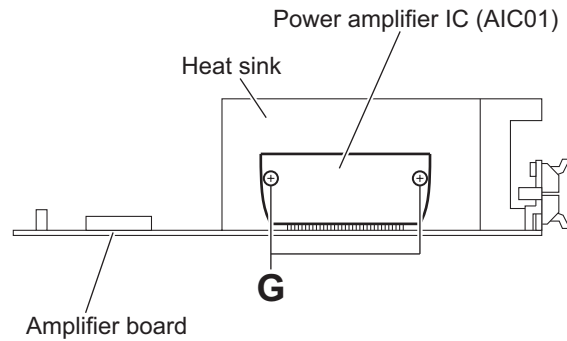


Fig.12

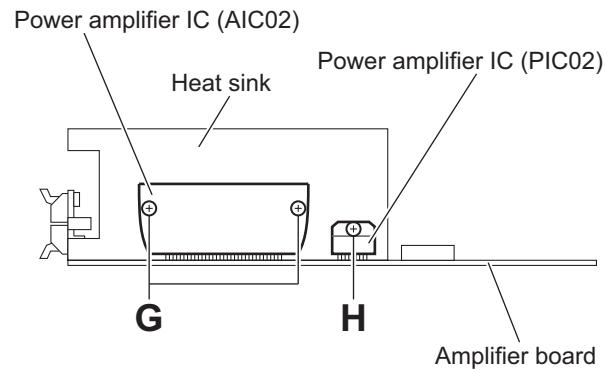


Fig.13

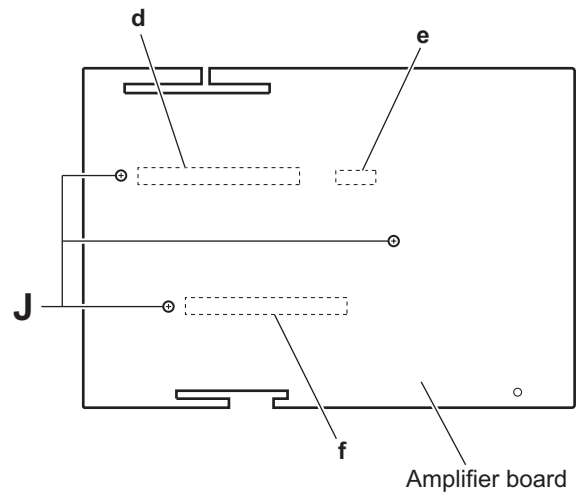


Fig.14

3.1.9 Removing the 5DVD changer mechanism assembly (See Figs.15 to 19)

- Remove the metal cover, rear panel, video board and amplifier board.

- (1) From the right side of the main body, remove the card wire from the sections **g** of the shield. (See Fig.15.)
- (2) From the left side of the main body, remove the wire from the sections **h** of the shield. (See Fig.16.)
- (3) From the both sides of the main body, remove the four screws **K** and remove the shield from the main body. (See Figs.15 and 16.)
- (4) Disconnect the wires from the connectors ([DCW02](#), [DCW04](#), [DCW05](#)) on the DVD power board. (See Fig.17.)
- (5) From the both sides of the main body, remove the four screws **M** and remove the 5DVD changer mechanism assembly from the main body in the direction of the arrow. (See Figs.17 and 18.)
- (6) Disconnect the card wire from the connector [CW104](#) on the forward side of the main board. (See Fig.18.)
- (7) From the top side of the 5DVD changer mechanism assembly, remove the four screws **N** and remove the base 1 and base 2. (See Fig.19.)
- (8) From the bottom side of the 5DVD changer mechanism assembly, disconnect the card wire from the connector [CN701](#) on the DVD servo control board. (See Fig.19.)

Reference:

When removing the tray panels, release the claws **j** of the tray panel and remove the five tray panels from the 5DVD changer mechanism assembly. (See Fig.19.)

Note:

When releasing the claws **j**, take care not to break them. (See Fig.19.)

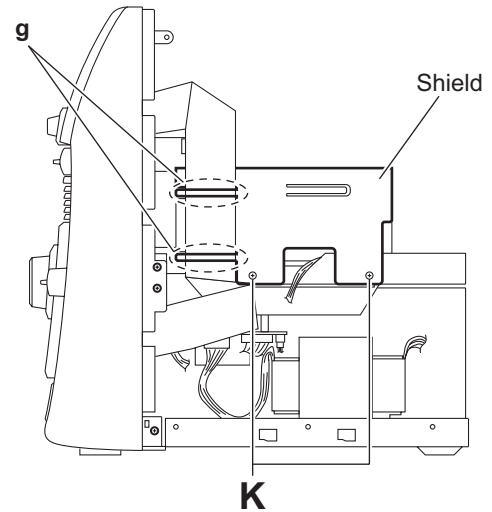


Fig.15

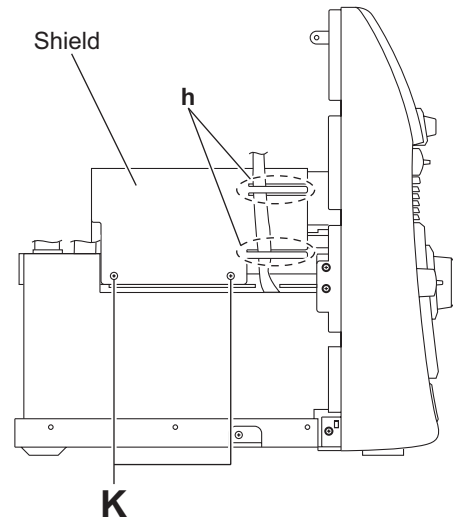


Fig.16

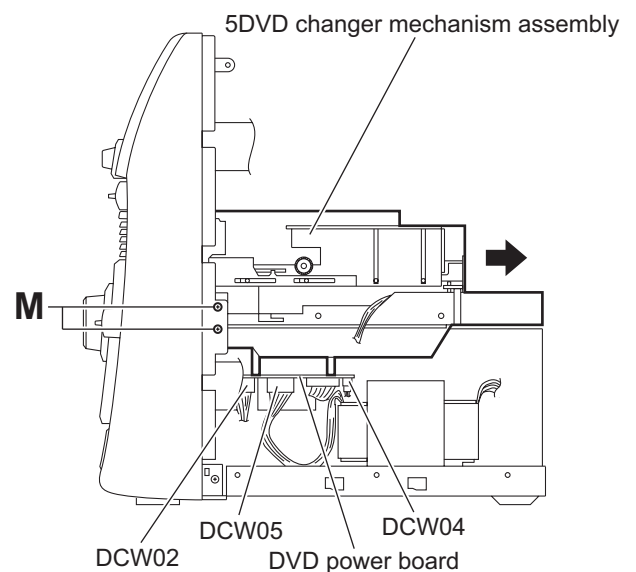


Fig.17

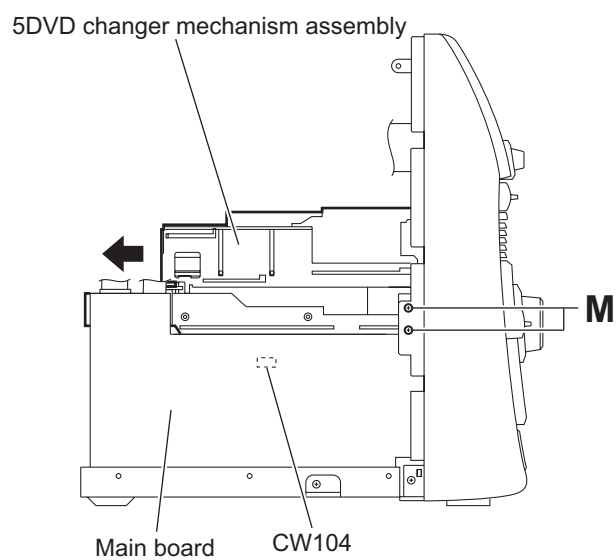


Fig.18

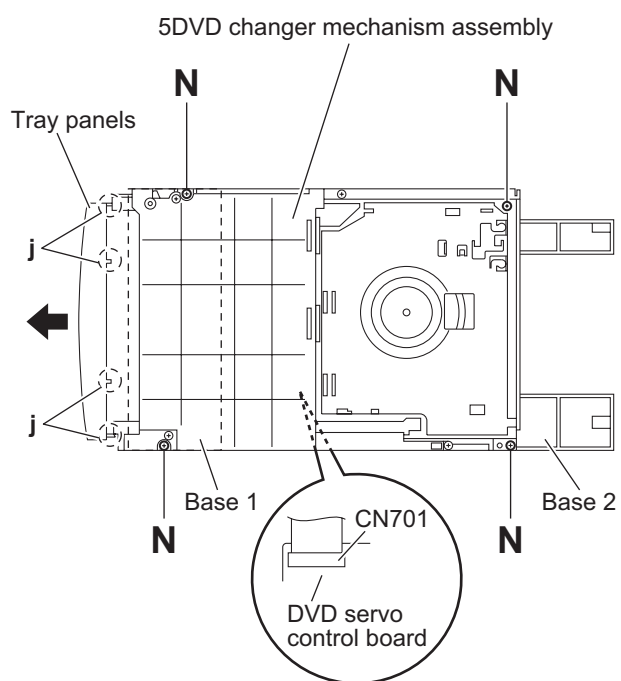


Fig.19

3.1.10 Removing the DVD power board

(See Fig.20)

- Remove the metal cover, rear panel, video board, amplifier board and 5DVD changer mechanism assembly.
- (1) From the back side of the base 2, disconnect the card wires from the connectors ([AW103](#), [AW106](#)) on the DVD power board.
- (2) Disconnect the wire from the connector [AW104](#) on the DVD power board.
- (3) Remove the three screws **P** attach the DVD power board on the base 2.

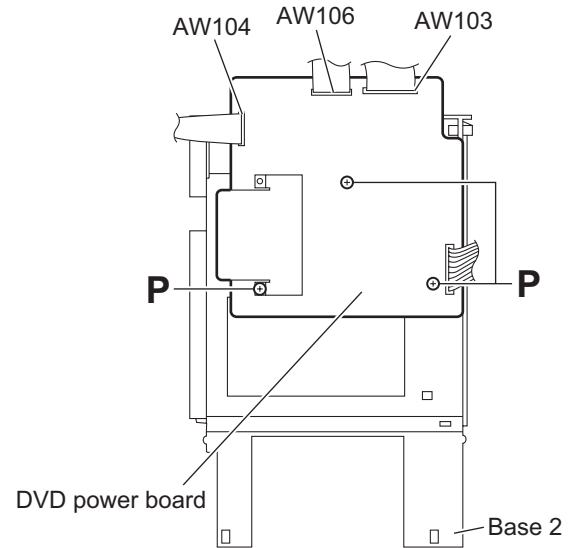


Fig.20

3.1.11 Removing the power transformer

(See Fig.21)

- Remove the metal cover, rear panel, video board, fuse board, voltage selector board, amplifier board and 5DVD changer mechanism assembly.
- (1) Remove the four screws **Q** attaching the power transformer on the bottom chassis.
- (2) Take out the power transformer.

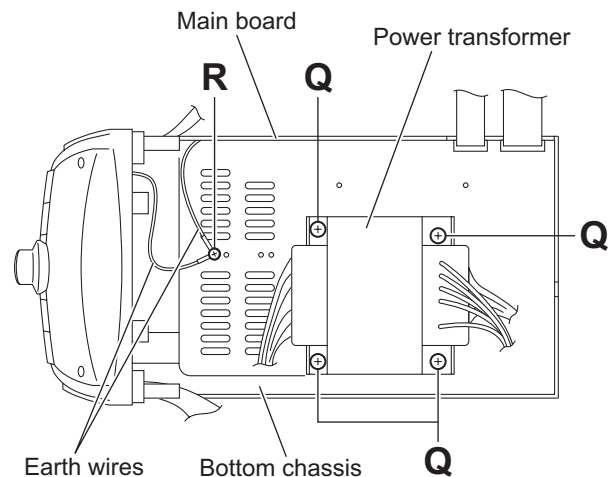


Fig.21

3.1.12 Removing the main board

(See Figs.21 and 22)

- Remove the metal cover, rear panel, video board, amplifier board and 5DVD changer mechanism assembly.
- (1) From the top side of the main body, remove the screw **R** attaching the earth wires on the bottom chassis. (See Fig.21.)
- (2) Remove the screw **S** attaching the main board. (See Fig.22.)
- (3) Disconnect the connectors ([CW101](#), [CW102](#), [CW105](#)) on the main board from the front panel assembly in the direction of the arrow. (See Fig.22.)

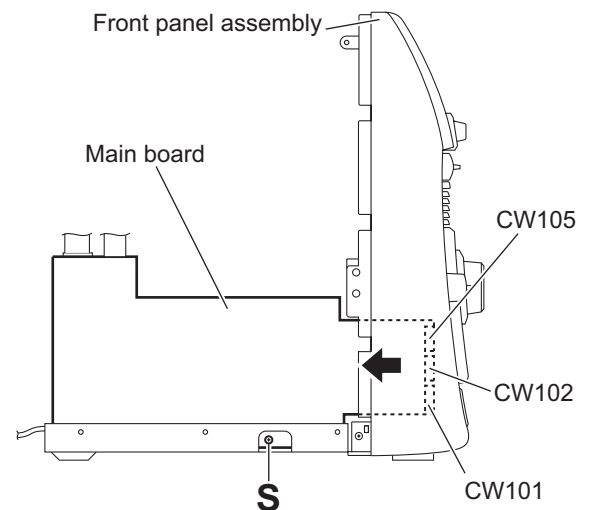


Fig.22

3.1.13 Removing the front panel assembly (See Figs.21, 23 to 25)

- Remove the metal cover, rear panel, video board, amplifier board and 5DVD changer mechanism assembly.
 - (1) From the top side of the main body, remove the screw **R** attaching the earth wires on the bottom chassis. (See Fig.21.)
 - (2) From the both sides of the main body, remove the two screws **T** attaching the front panel assembly. (See Figs.23 and 24.)
 - (3) From the both and bottom sides of the main body, release the joints (**k**, **m**) and remove the front panel assembly from the main body in the direction of the arrow. (See Figs.23 to 25.)

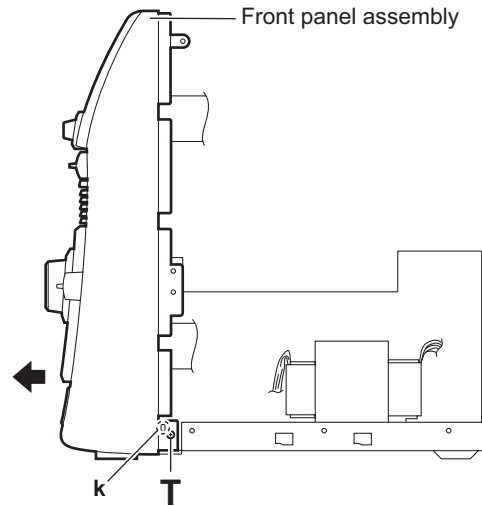


Fig.23

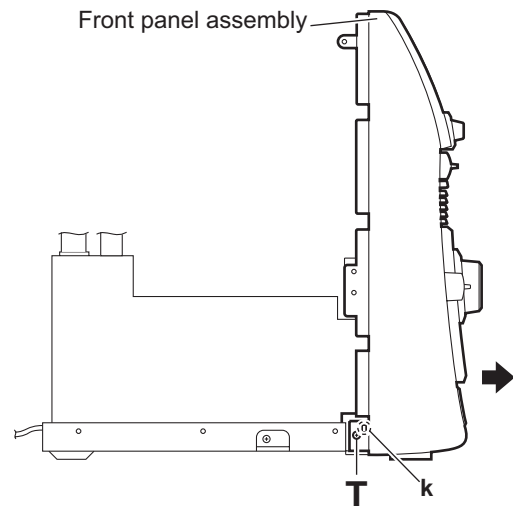


Fig.24

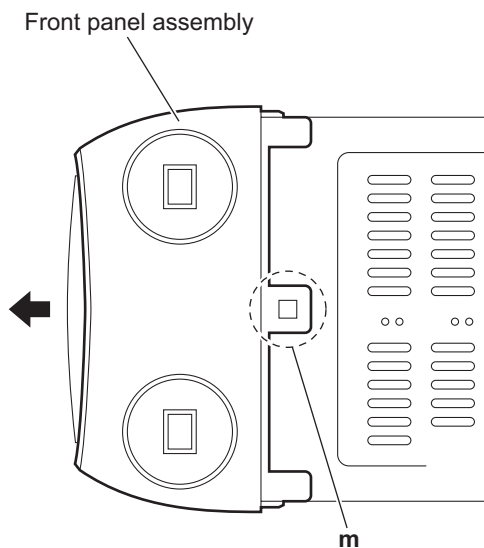


Fig.25

3.1.14 Removing the FL board (See Fig.26)

- Remove the metal cover, rear panel, video board, amplifier board, 5DVD changer mechanism assembly and front panel assembly.
- (1) From the inside of the front panel assembly, remove the four screws **U** attaching the FL board.
- (2) Take out the FL board from the front panel assembly and disconnect the card wire from the connector [FW102](#) on the forward side of the FL board.

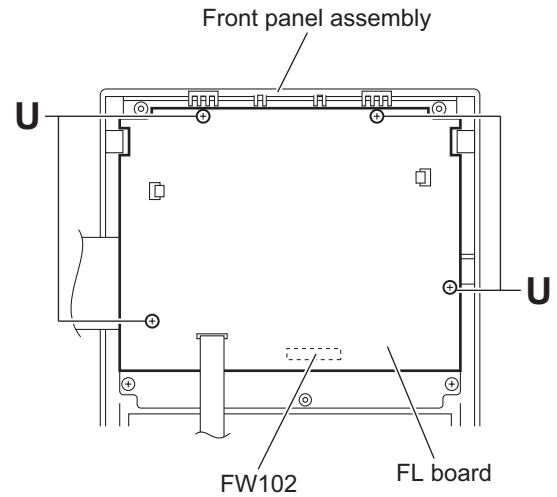


Fig.26

3.1.15 Removing the switch board (See Figs.27 and 28)

- Remove the metal cover, rear panel, video board, amplifier board, 5DVD changer mechanism assembly, front panel assembly and FL board.

- (1) From the inside of the front panel assembly, remove the spacer on the switch board.
- (2) Remove the five screws **U** attaching the switch board. (See Fig.27.)
- (3) Take out the switch board while lifting it from the front panel assembly little by little.

Reference:

The preset knob is removed from the front side simultaneously. (See Fig.28.)

- (4) Take out the switch board from the front panel assembly and disconnect the card wire from the connector [FW201](#) on the forward side of the switch board. (See Fig.27.)

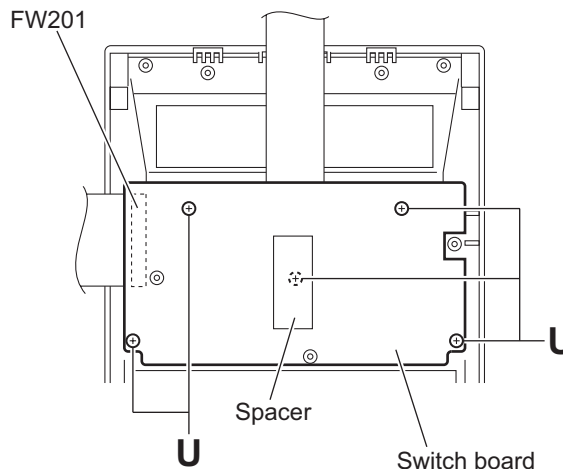


Fig.27

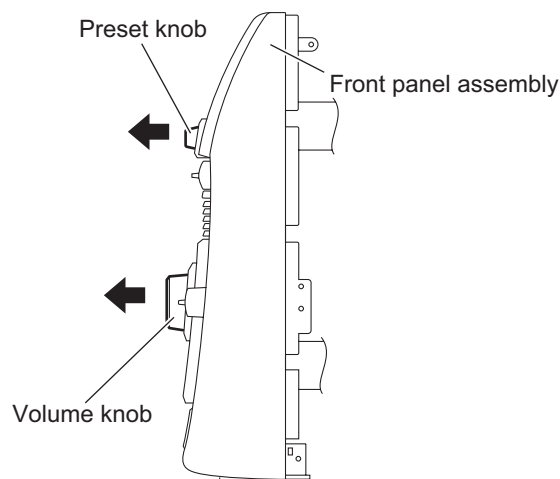


Fig.28

3.1.16 Removing the volume board (See Figs.28 and 29)

- Remove the metal cover, rear panel, video board, amplifier board, 5DVD changer mechanism assembly and front panel assembly.

- (1) From the front side of the front panel assembly, pull out the volume knob in the direction of the arrow. (See Fig.28.)
- (2) From the inside of the front panel assembly, disconnect the card wire from the connector [FW301](#) on the volume board. (See Fig.29.)
- (3) Remove the seven screws **U** attaching the volume board. (See Fig.29.)
- (4) Take out the volume board from the front panel assembly and disconnect the wires from the connectors ([FW307](#), [FW308](#)) on the forward side of the volume board. (See Fig.29.)

3.1.17 Removing the jack board (See Fig.29)

- Remove the metal cover, rear panel, video board, amplifier board, 5DVD changer mechanism assembly, front panel assembly and volume board.

Remove the three screws **U** and take out the jack board from the front panel assembly.

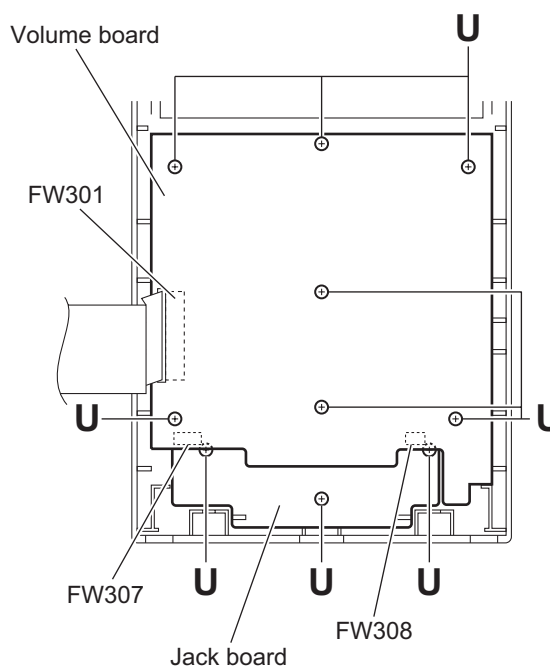


Fig.29

SECTION 4 ADJUSTMENT

This service manual does not describe ADJUSTMENT.

SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.



Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB455)



Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

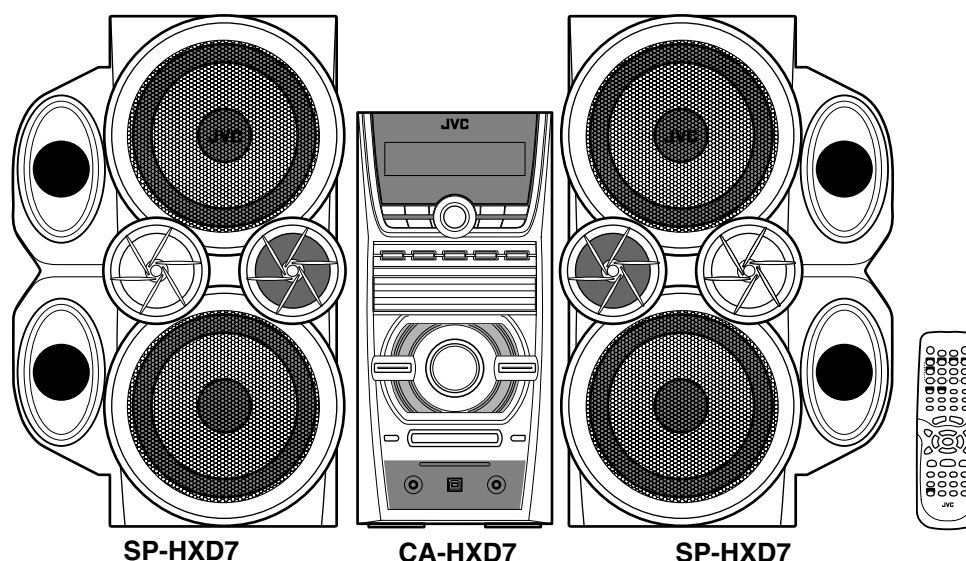
COMPACT COMPONENT SYSTEM

HX-D7

CD-ROM No.SML200508

Area suffix

UJ ----- U.S.Military



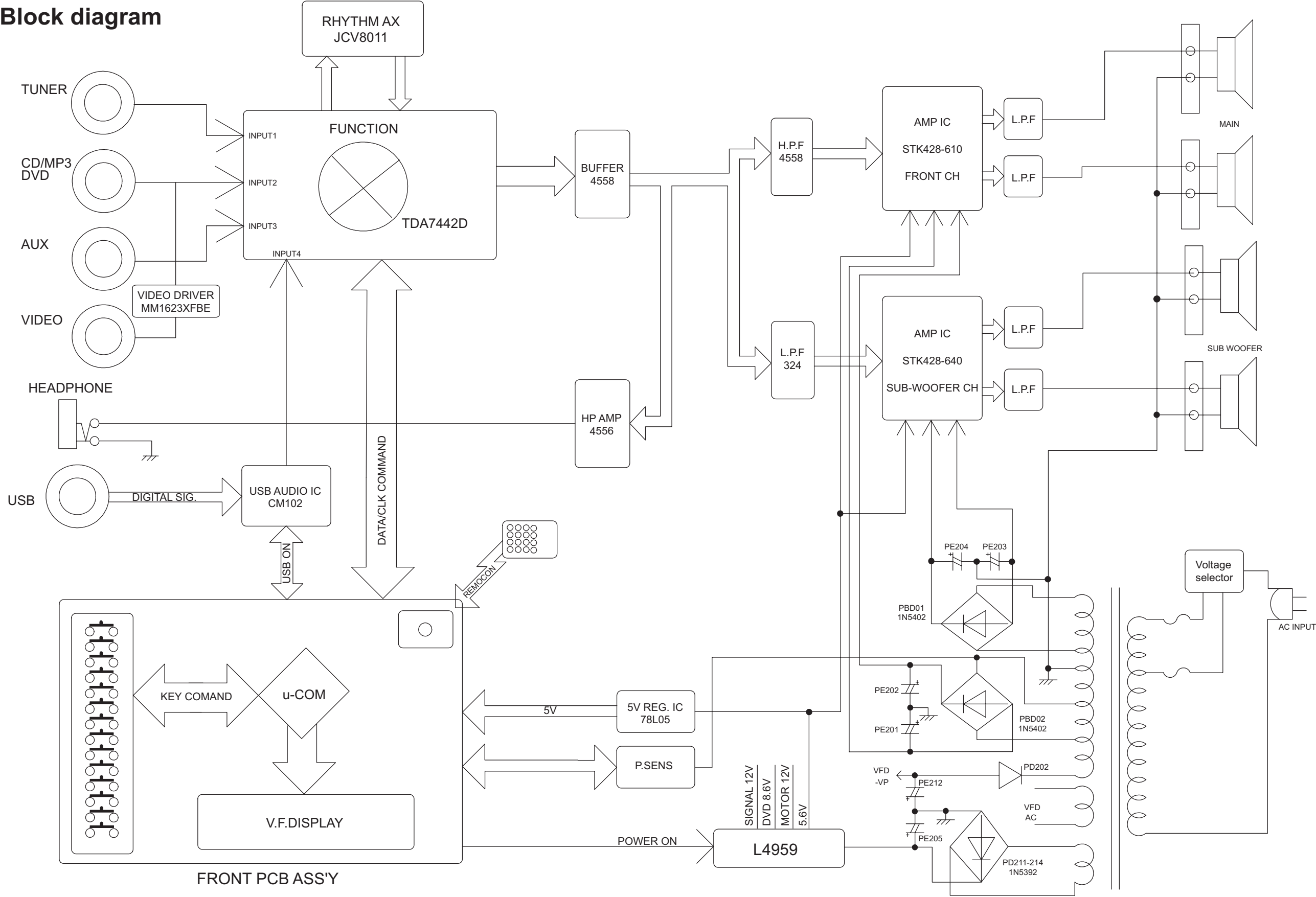
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Block diagram	-----	2-1	
Standard schematic diagrams	-----	2-2	
Printed circuit boards	-----	2-7 to 11	

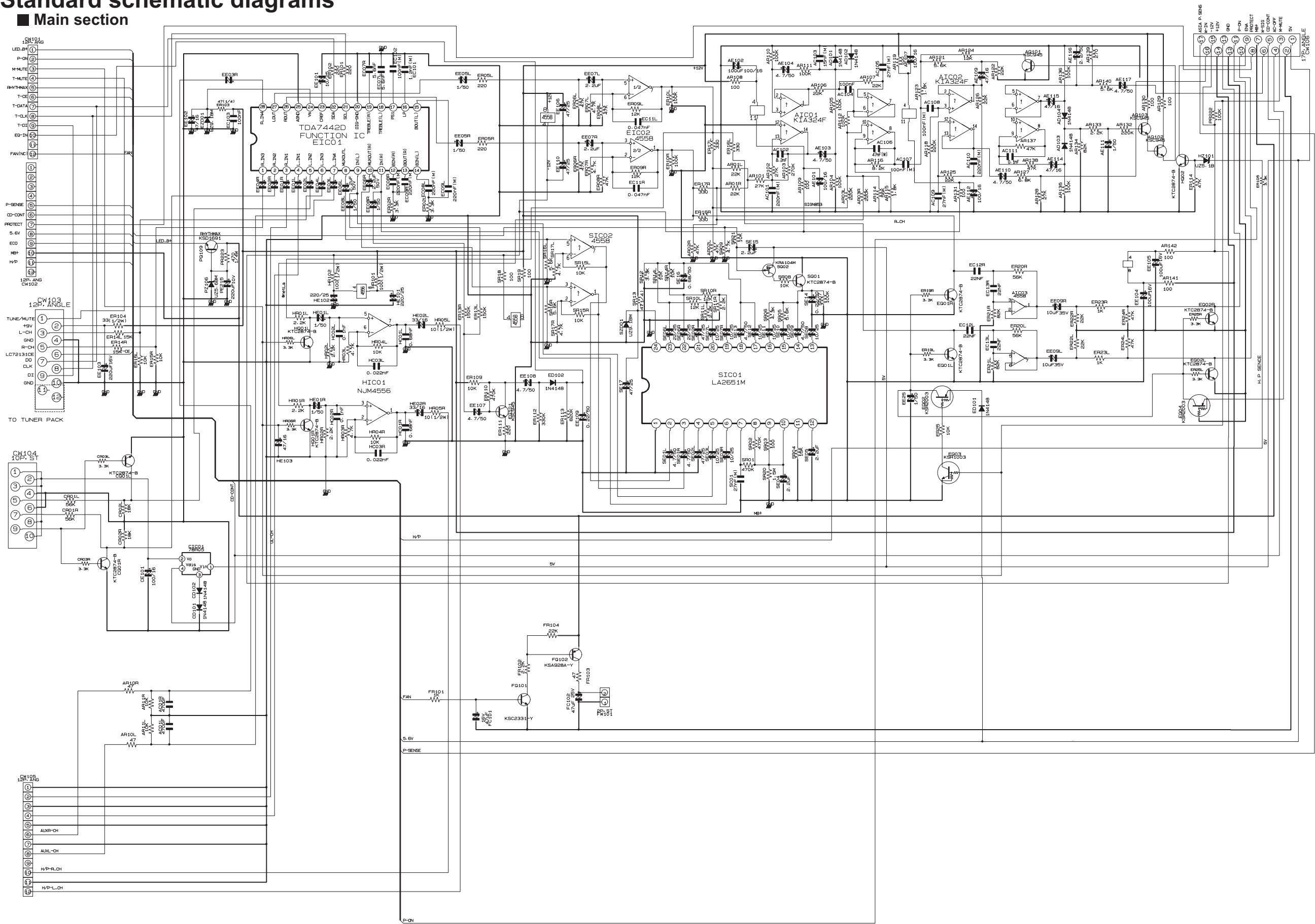
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▬) and ICP (●) or identified by the "A" mark nearby are critical for safety.

Block diagram

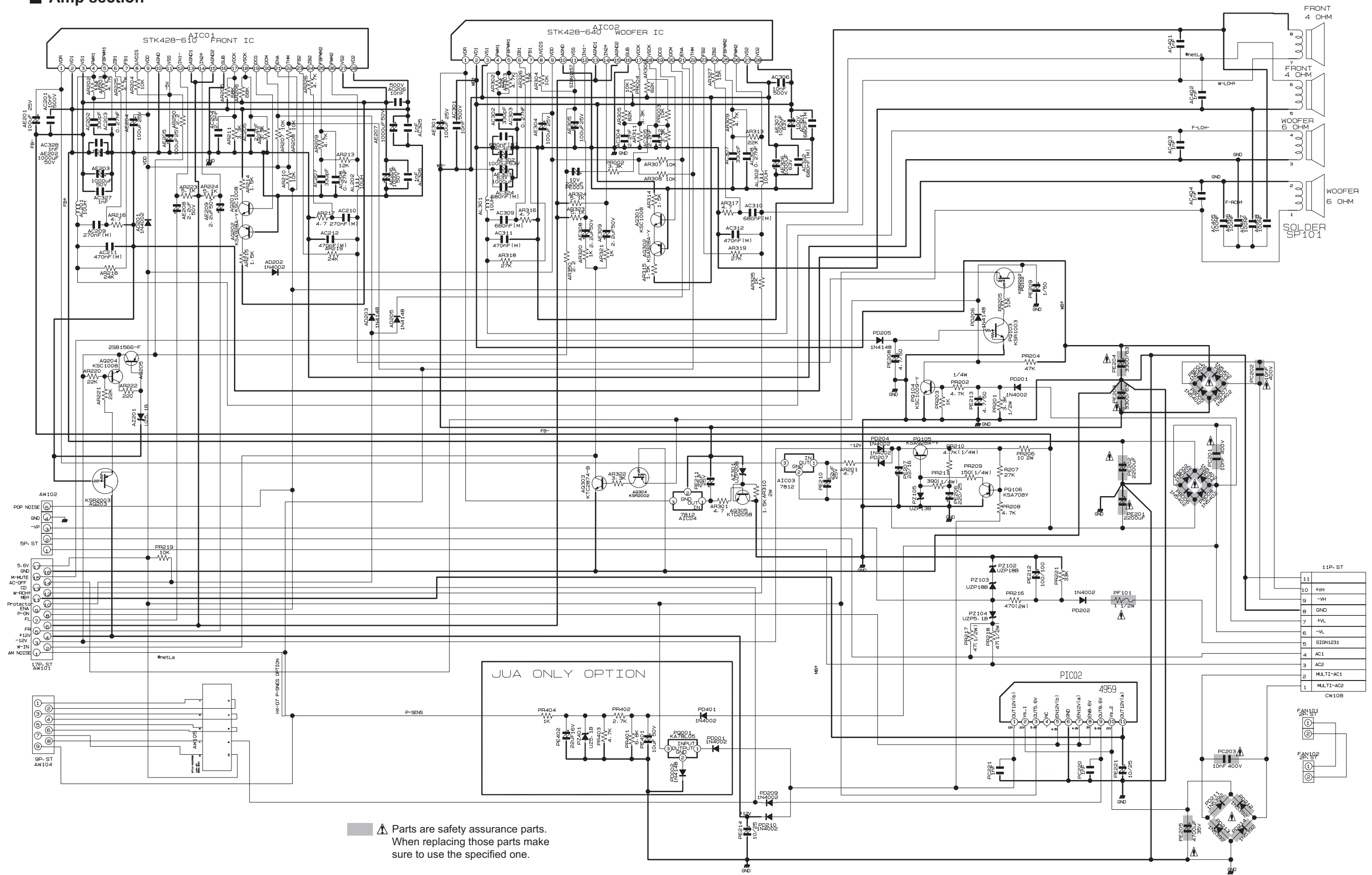


Standard schematic diagrams

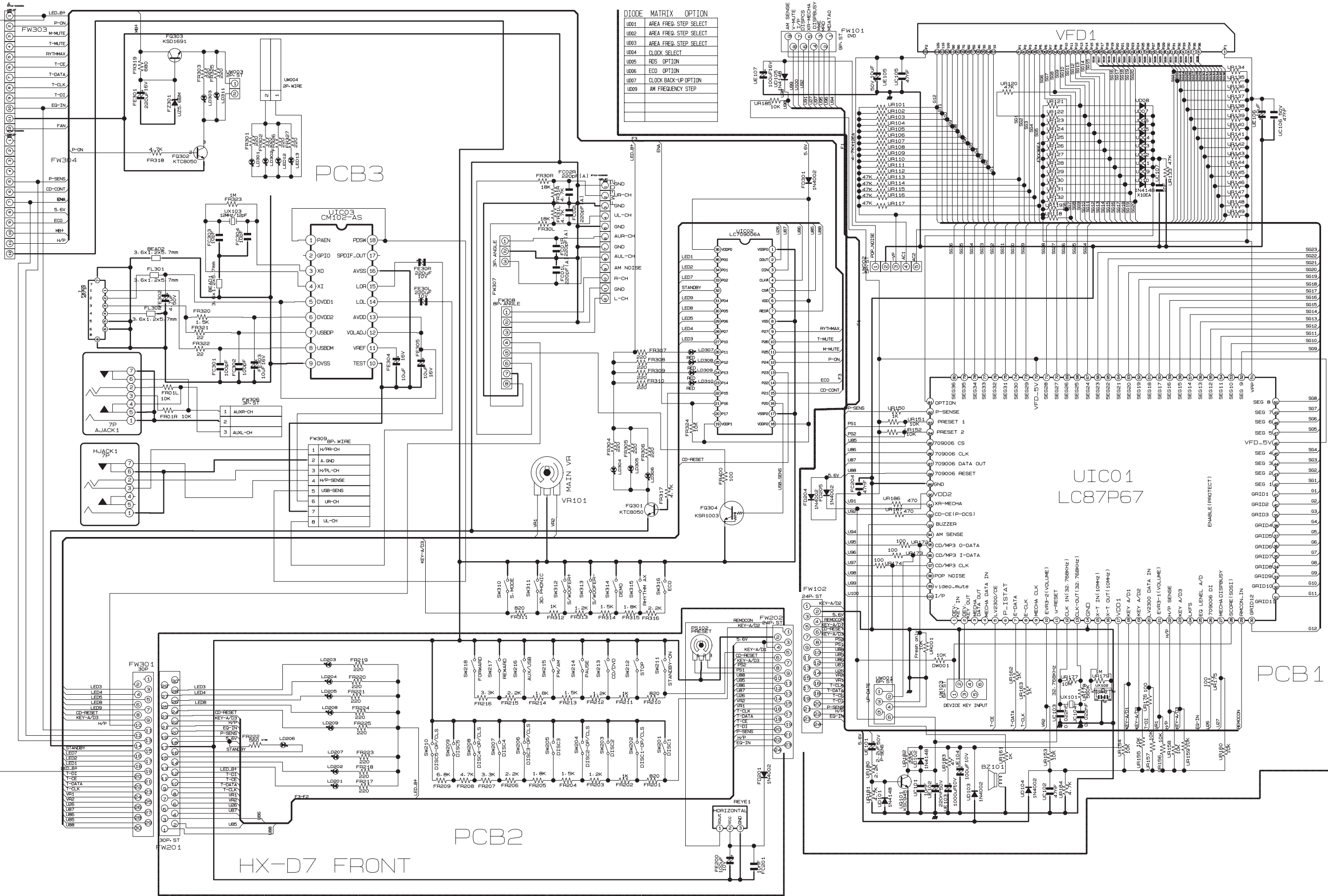
■ Main section



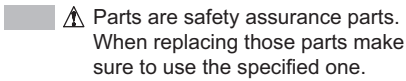
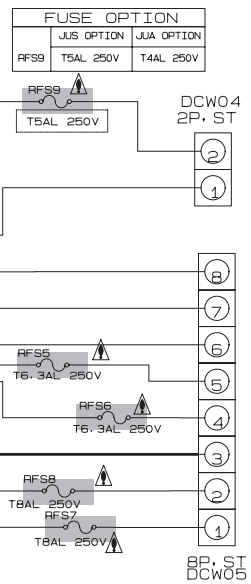
■ Amp section



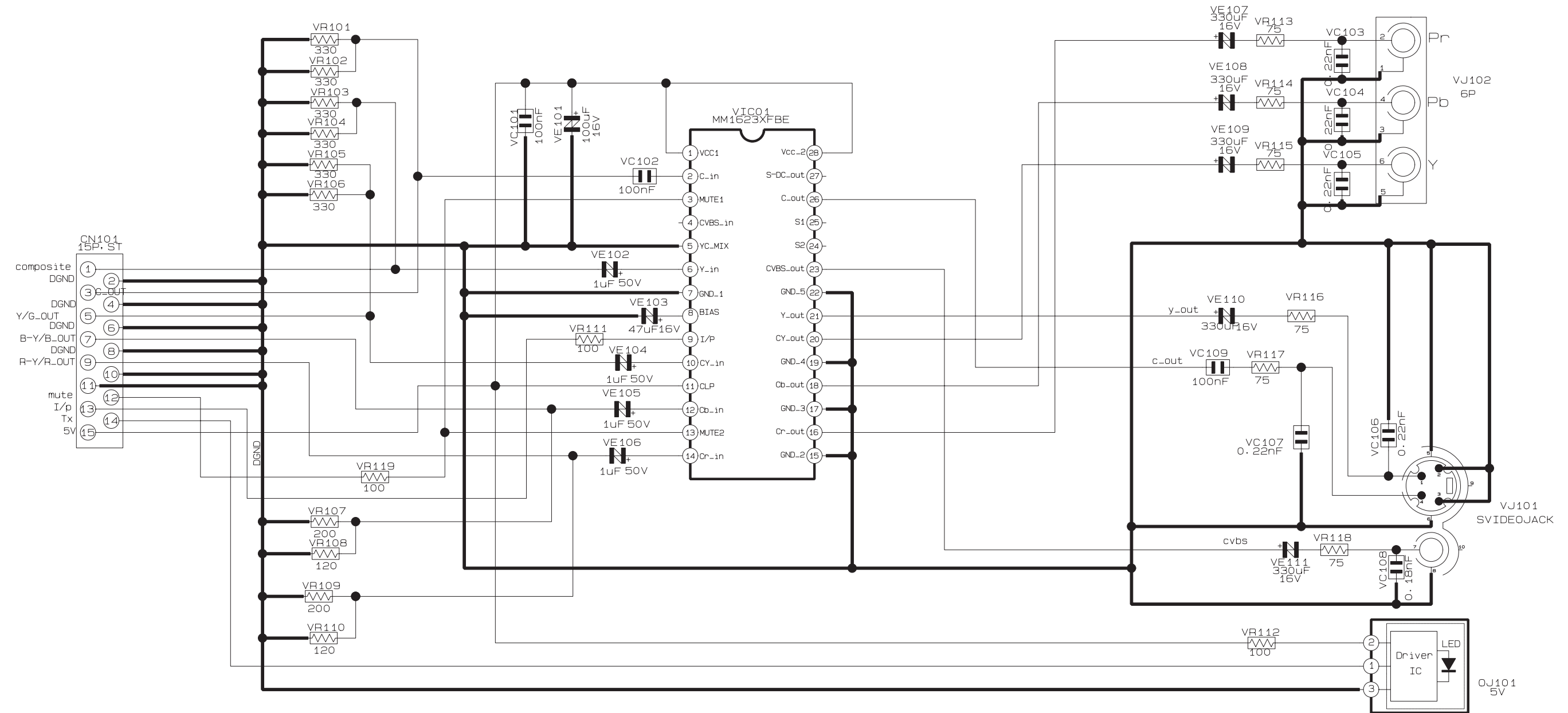
FL & Key control section



■ DVD primary section



■ Vide section

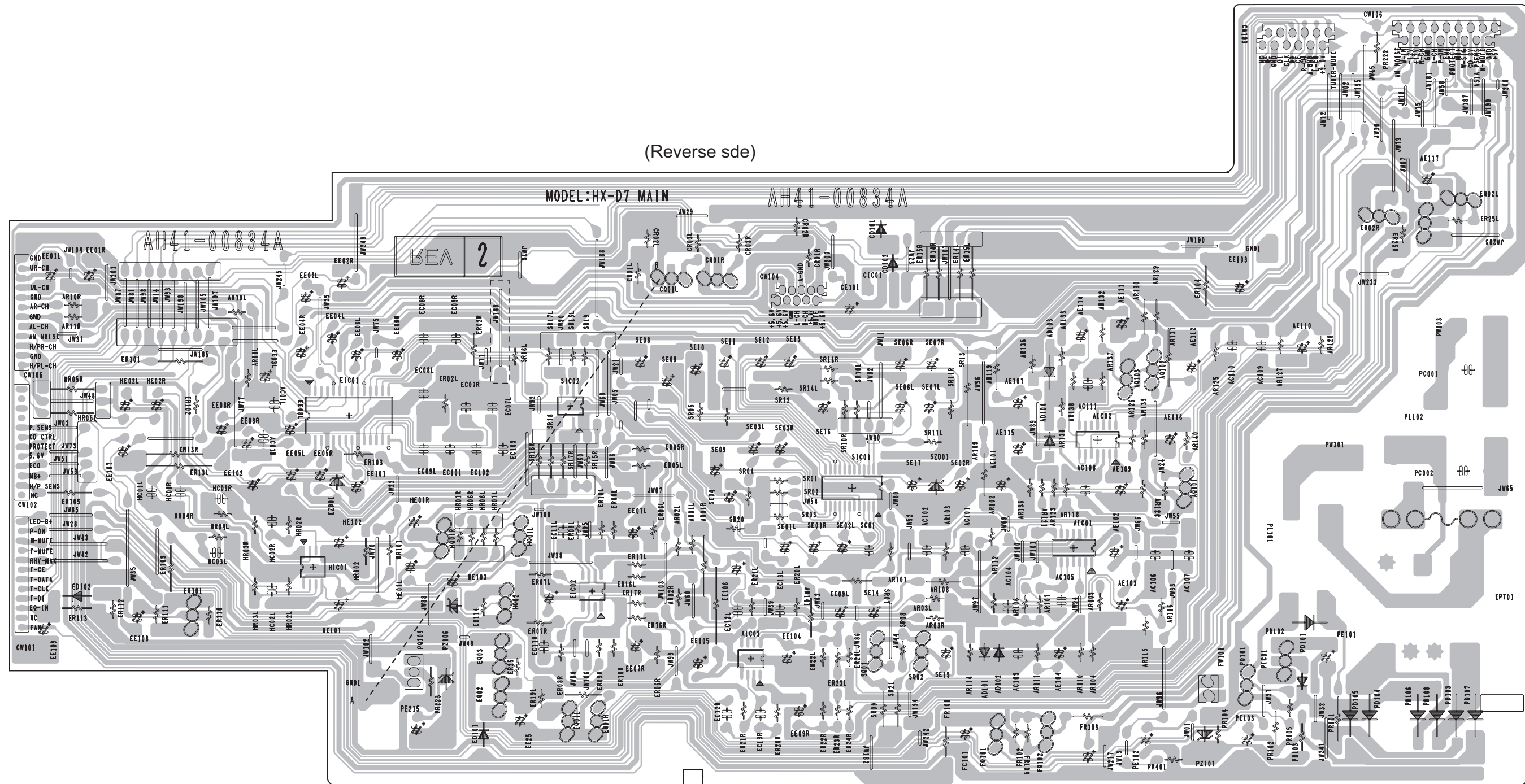


■ **Main board** Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



Main board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

(Forward side)

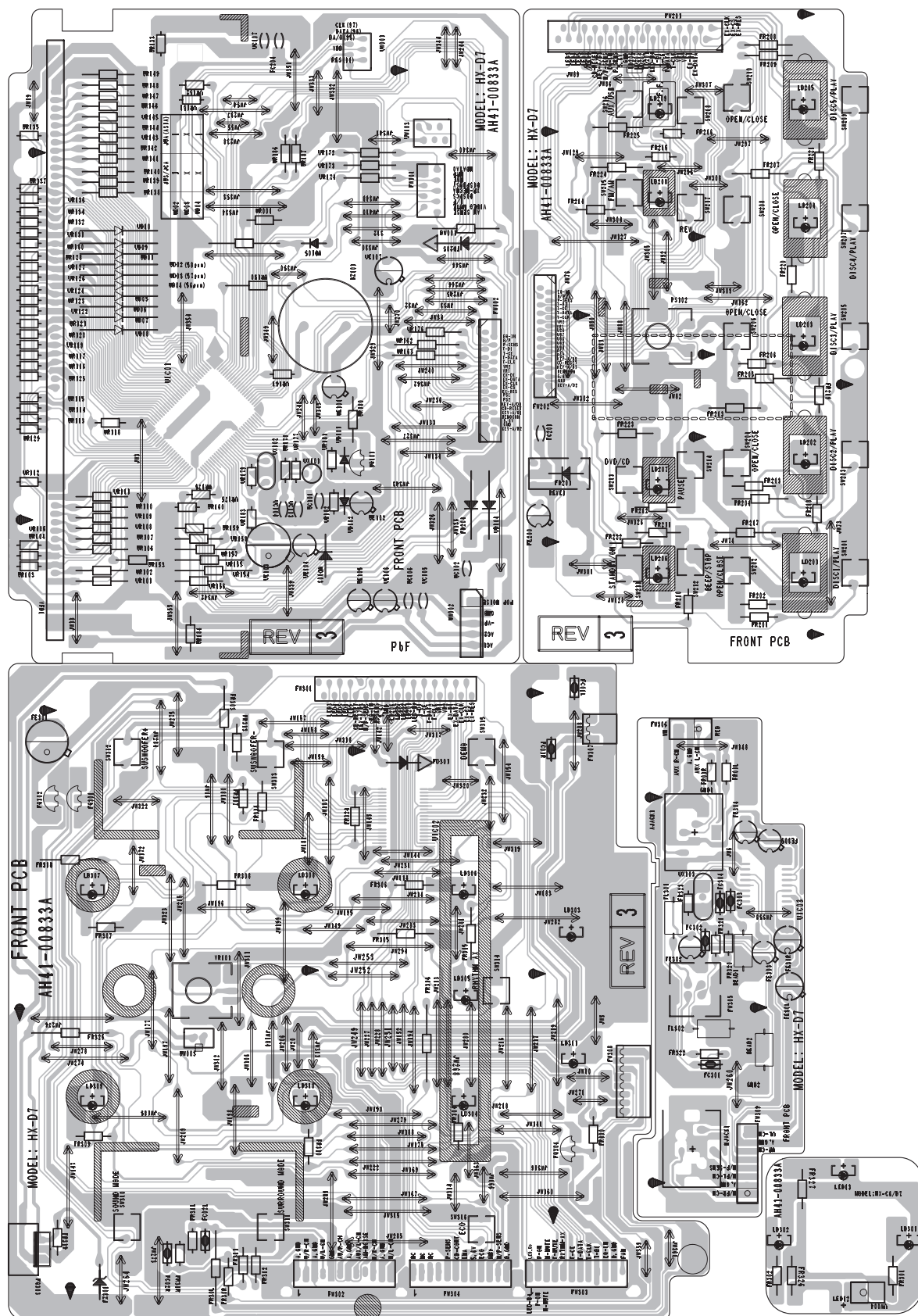


(Reverse side)

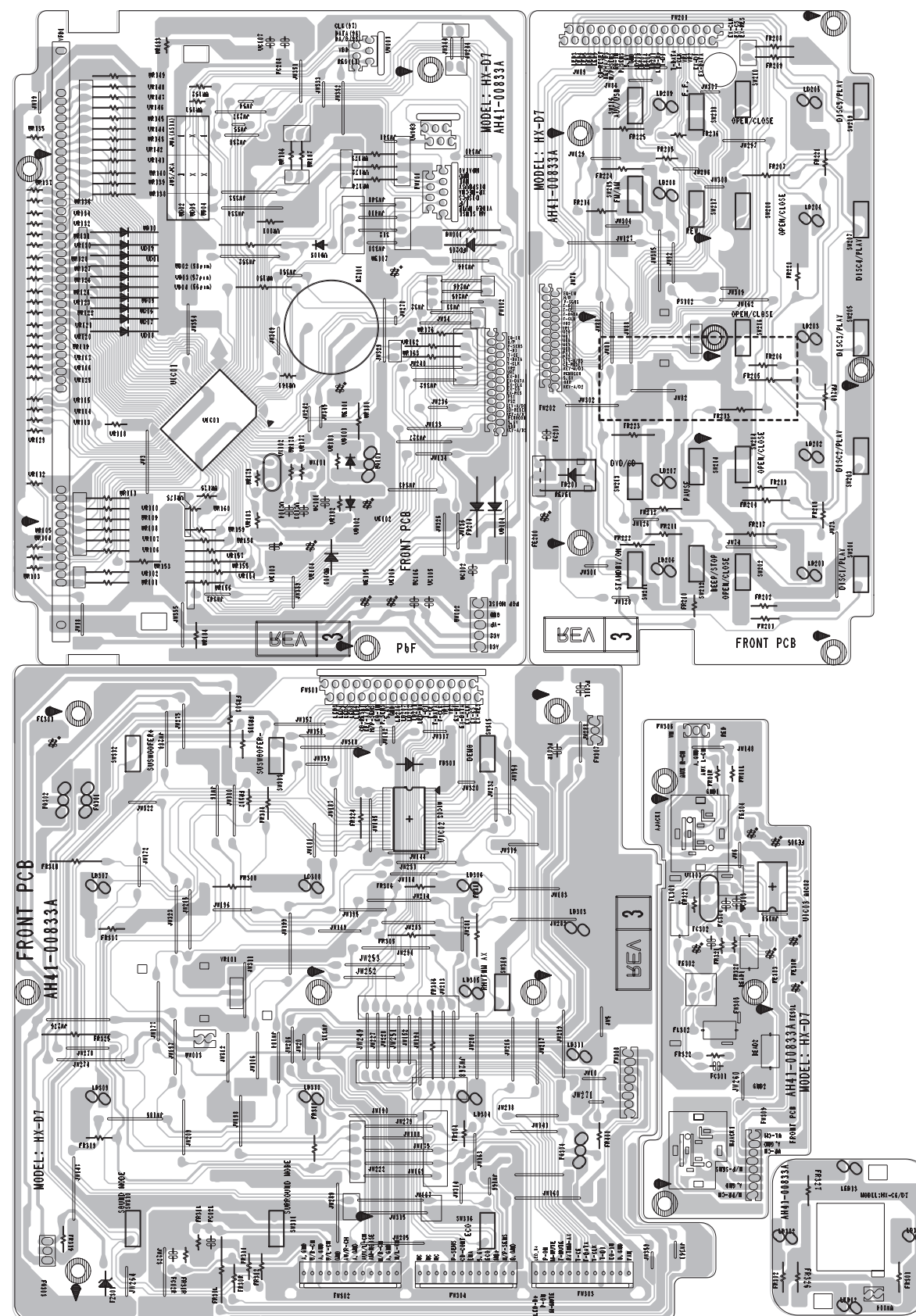


Front board	Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)
--------------------	--

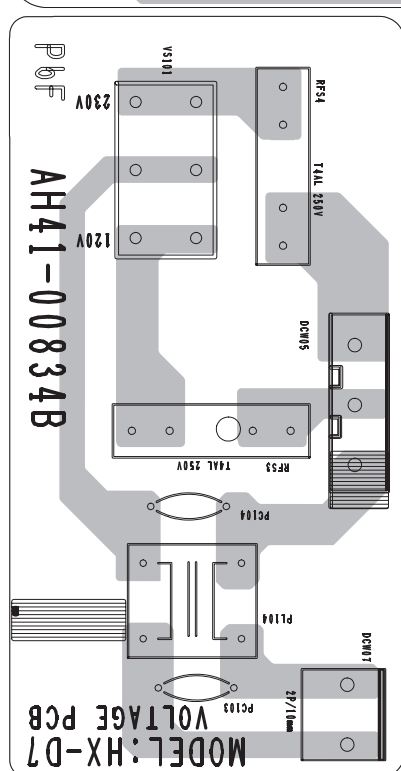
(Forward side)



(Reverse side)



Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)





Victor Company of Japan, Limited

AV & MULTIMEDIA COMPANY AUDIO/VIDEO SYSTEMS CATEGORY 10-1,1chome,Ohwatari-machi,Maebashi-city,371-8543,Japan

(No.MB455SCH)



Printed in Japan
VPT

PARTS LIST

[HX-D7]

* All printed circuit boards and its assemblies are not available as service parts.

Area suffix

UJ ----- U.S.Military

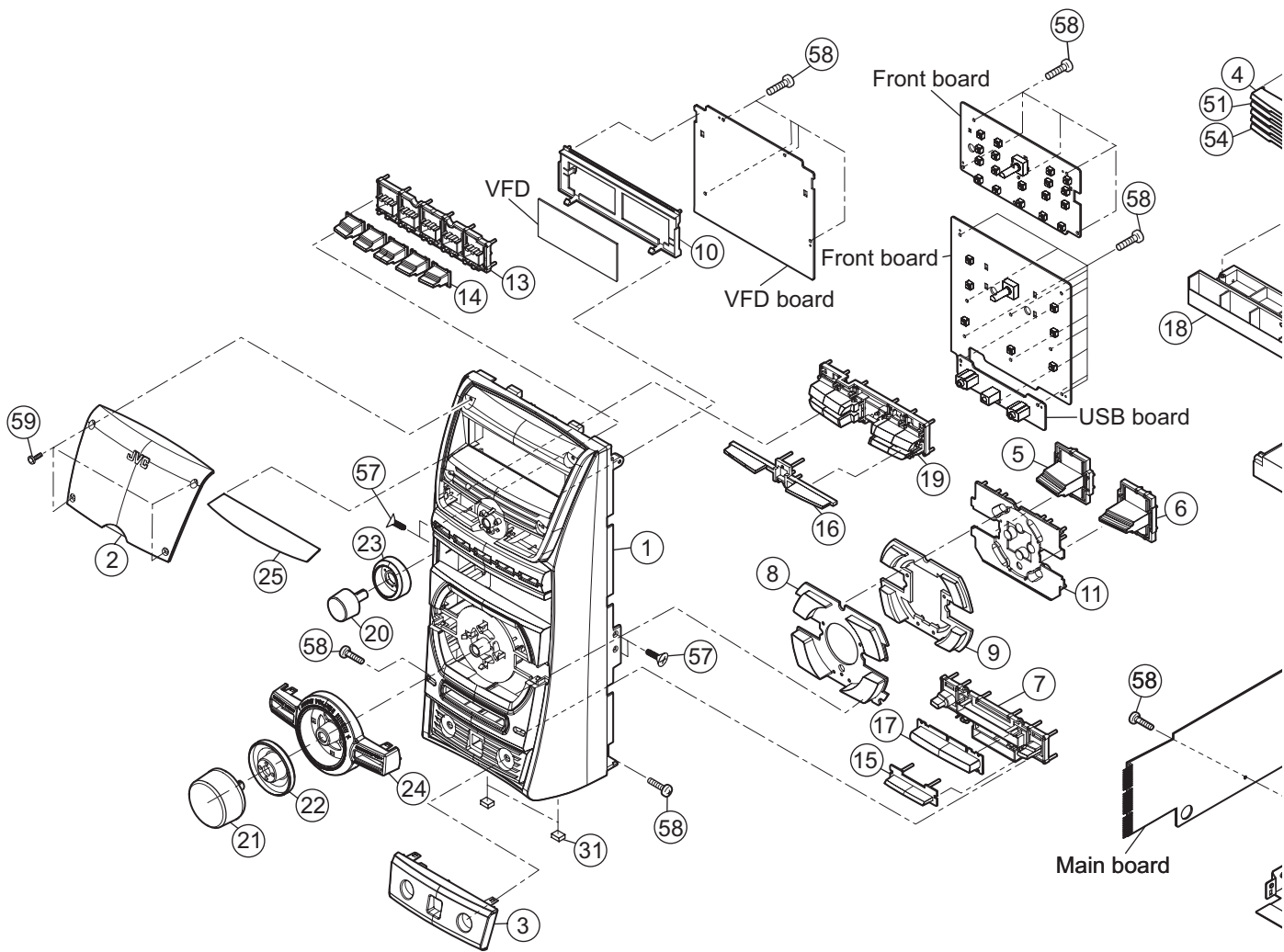
- Contents -

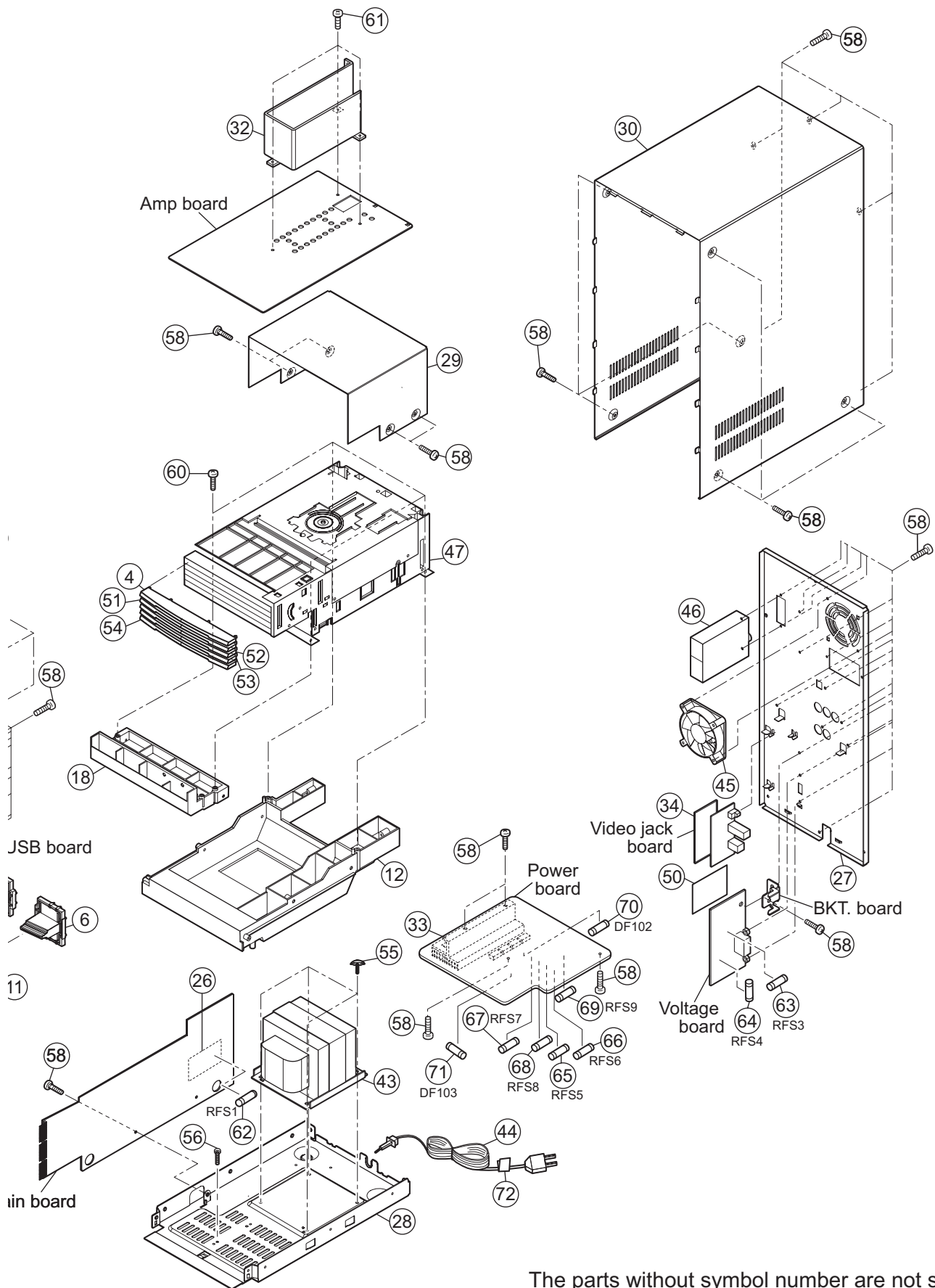
Exploded view of general assembly and parts list (Block No.M1)	3- 2
Electrical parts list (Block No.01~06)	3- 5
Packing materials and accessories parts list (Block No.M3)	3-12

Exploded view of general assembly and parts list

Block No. M 1 M M

Am





The parts without symbol number are not service.

General Assembly

Block No. [M][1][M][M]

Symbol No.	Part No.	Part Name	Description	Local
1	AH64-03278D	FRONT CABINET	MIPS	
2	AH64-03279C	VFD WINDOW	PMMA VIS GS-15C	
3	AH64-03280B	USB WINDOW	PMMA VIS GS-15C	
4	AH64-03283B	DVD DOOR	ABS L/GRAY	
5	AH64-03284B	SOUND MODE KNOB	ABS 94HB	
6	AH64-03285B	SUBWOOFER KNOB	ABS 94HB	
7	AH64-03286B	DEMO KNOB	ABS 94HB	
8	AH64-03282A	WINDOW RING	PMMA VIS GS-15C	
9	AH67-00336B	LENS RING	PMMA MILKY	
10	AH61-01831A	VFD HOLDER	ABS BLACK	
11	AH61-01834A	VOLUME HOLDER	ABS WHITE	
12	AH61-01835A	DECK HOLDER	ABS WHITE	
13	AH61-01833A	DISC HOLDER	ABS BLACK	
14	AH67-00335B	DISC LENS	ABS CLEAR	
15	AH67-00339A	USB LENS	PMMA MILKY	
16	AH67-00334A	FUNCTION LENS	PMMA VIS GS-15C	
17	AH67-00338B	RHYTHM AX LENS	ABS CLEAR	
18	AH67-00340A	DECK CAP	ABS	
19	AH61-01832D	FUNCTION HLDR	ABS BLACK	
20	AH64-03289C	JOG KNOB	ABS 94HB	
21	AH64-03290C	VOLUME KNOB	ABS 94HB	
22	AH67-00337A	VOLUME LENS	PMMA MILKY	
23	AH67-00341C	JOG CAP	ABS NATURAL	
24	AH67-00342B	VOLUME CAP	ABS NATURAL	
25	AH63-00913A	MIRROR SHEET	PC T0.5	
26	AH63-00278L	PCB COVER	PC T0.5	
27	AH64-03293D	REAR CABINET	SECC T0.8	
28	AH64-03292A	BOTTOM CABINET	SECC T1.0	
29	AH63-00912A	DECK COVER	SECC T0.8	
30	AH64-03291B	TOP CABINET	SECC T0.6	
31	AH69-20031A	FOOT	(x2)	
32	AH62-00137A	HEAT SINK	AL T3.0	
33	AH62-00129C	HEAT SINK	AL T3.0	
34	AH63-01063A	SHIELD	SPTE T0.3	
43	AH26-00329B	POWER TRANS		
44	AH39-00257A	POWER CORD	250V 2.5A 1830MM	
45	AH31-00044A	FAN ASSY		
46	AH40-00097A	TUNER PACK		
47	AH59-01514A	5DVD MECHA ASSY	FMU-SM2-15PM	
50	AH63-00278M	PROTECT SHEET	PC T0.5	
51	AH64-03283C	DVD DOOR	DISC2 ABS L/GRAY	
52	AH64-03283D	DVD DOOR	DISC3 ABS L/GRAY	
53	AH64-03283E	DVD DOOR	DISC4 ABS L/GRAY	
54	AH64-03283F	DVD DOOR	DISC5 ABS L/GRAY	
55	6003-001463	SCREW	TH 4X6 YEL(x4)	
56	6003-001561	SCREW	BH 2S M3X6 YEL	
57	6002-000126	SCREW	M3X10 BLACK(x4)	
58	6003-000276	SCREW	M3X10 YEL(x60)	
59	AH64-01106G	SCREW	M3X10 SILVER(x4)	
60	6003-000109	SCREW	M2.6XL8(x4)	
61	6003-001375	SCREW	M3XL8(x3)	
62	3601-000414	FUSE	RFS1 250V 5A	
63	3601-000281	FUSE	RFS3 250V 4A	
64	3601-000281	FUSE	RFS4 250V 4A	
65	3601-001007	FUSE	RFS5 250V 6.3A	
66	3601-001007	FUSE	RFS6 250V 6.3A	
67	3601-001277	FUSE	RFS7 250V 8A	
68	3601-001277	FUSE	RFS8 250V 8A	
69	3601-000281	FUSE	RFS9 250V 4A	
70	3601-000216	FUSE	DF102 250V 2.5A	
71	3601-000216	FUSE	DF103 250V 2.5A	
72	AH68-50282D	CAUTION LABEL		

Electrical parts list

Main board

Block No. [0][1]

△ Symbol No.	Part No.	Part Name	Description	Local
AIC01	324	IC	1201-000471	
AIC02	324	IC	1201-000471	
AIC03	4558	IC	1201-000461	
CIC01	78R05	IC	1203-001006	
EIC01	TDA7442D	IC	1204-001776	
EIC02	4558	IC	1201-000461	
HIC01	4556	IC	1201-001285	
SIC01	JCV8011-TLM-E	IC	1204-002268	
SIC02	4558	IC	1201-000461	
AQ101	KTC945B	TRANSISTOR	0501-002409	
AQ102	KTC945B	TRANSISTOR	0501-002409	
AQ103	KTC945B	TRANSISTOR	0501-002409	
CQ01L	KTC2874-B	TRANSISTOR	0501-002436	
CQ01R	KTC2874-B	TRANSISTOR	0501-002436	
EQ02	KSR2003	TRANSISTOR	0504-000145	
EQ03	KSR1003	TRANSISTOR	0504-000118	
EQ04	KSR2003	TRANSISTOR	0504-000145	
EQ01L	KTC2874-B	TRANSISTOR	0501-002436	
EQ01R	KTC2874-B	TRANSISTOR	0501-002436	
EQ02L	KTC2874-B	TRANSISTOR	0501-002436	
EQ02R	KTC2874-B	TRANSISTOR	0501-002436	
EQ101	KTC945B	TRANSISTOR	0501-002409	
FQ101	KSC2331-Y	TRANSISTOR	0501-000369	
FQ102	KTA1273	TRANSISTOR	0501-000422	
HQ02	KTC2874-B	TRANSISTOR	0501-002436	
HQ01L	KTC2874-B	TRANSISTOR	0501-002436	
HQ01R	KTC2874-B	TRANSISTOR	0501-002436	
PQ109	KSD1691	TRANSISTOR	0502-001048	
SQ01	KTC2874-B	TRANSISTOR	0501-002436	
SQ02	KRA104M	TRANSISTOR	0504-001175	
AD101	1N4148	DIODE	0401-000005	
AD102	1N4148	DIODE	0401-000005	
AD103	1N4148	DIODE	0401-000005	
AD104	1N4148	DIODE	0401-000005	
CD101	1N4148	DIODE	0401-000005	
CD102	1N4148	DIODE	0401-000005	
ED101	1N4148	DIODE	0401-000005	
ED102	1N4148	DIODE	0401-000005	
EZD01	MTZJ9.1C	Z DIODE	0403-001170	
SZD01	MTZJ9.1C	Z DIODE	0403-001170	
AC01L	2202-000263	C CAPACITOR	470pF 50V	
AC01R	2202-000263	C CAPACITOR	470pF 50V	
AC101	2301-000216	M CAPACITOR	220nF 50V	
AC102	2301-000474	M CAPACITOR	8.2nF 50V	
AC103	2301-000390	M CAPACITOR	15nF 50V	
AC104	2201-000021	C CAPACITOR	100nF 50V	
AC105	2301-000419	M CAPACITOR	27nF 50V	
AC106	2301-000449	M CAPACITOR	47nF 50V	
AC107	2301-000375	M CAPACITOR	100nF 50V	
AC108	2301-000375	M CAPACITOR	100nF 50V	
AC109	2301-000419	M CAPACITOR	27nF 50V	
AC110	2301-000216	M CAPACITOR	220nF 50V	
AC111	2201-000146	C CAPACITOR	0.1nF	
AE101	2401-000042	E CAPACITOR	100uF 16V	
AE102	2401-000042	E CAPACITOR	100uF 16V	
AE103	2401-000027	E CAPACITOR	4.7uF 50V	
AE104	2401-000027	E CAPACITOR	4.7uF 50V	
AE107	2401-000042	E CAPACITOR	100uF 16V	
AE109	2401-001975	E CAPACITOR	47uF 16V	
AE110	2401-000027	E CAPACITOR	4.7uF 50V	
AE111	2401-001912	E CAPACITOR	1uF 50V	
AE112	2401-000042	E CAPACITOR	100uF 16V	
AE114	2401-001975	E CAPACITOR	47uF 16V	
AE115	2401-001975	E CAPACITOR	47uF 16V	
AE116	2401-000651	E CAPACITOR	2.2uF 50V	
AE117	2401-000027	E CAPACITOR	4.7uF 50V	
CE101	2401-000042	E CAPACITOR	100uF 16V	
EC07L	2301-000454	M CAPACITOR	5.6nF 50V	
EC07R	2301-000454	M CAPACITOR	5.6nF 50V	

△ Symbol No.	Part No.	Part Name	Description	Local
EC08L	2301-000216	M CAPACITOR	220nF 50V	
EC08R	2301-000216	M CAPACITOR	220nF 50V	
EC09L	2301-000216	M CAPACITOR	220nF 50V	
EC09R	2301-000216	M CAPACITOR	220nF 50V	
EC101	2301-000361	M CAPACITOR	1.2nF 50V	
EC102	2301-000375	M CAPACITOR	100nF 50V	
EC103	2201-000021	C CAPACITOR	100nF 50V	
EC11L	2201-000573	C CAPACITOR	0.047nF 50V	
EC11R	2201-000573	C CAPACITOR	0.047nF 50V	
EC12L	2201-000379	C CAPACITOR	22nF 50V	
EC12R	2201-000379	C CAPACITOR	22nF 50V	
EC13L	2201-000379	C CAPACITOR	22nF 50V	
EC13R	2201-000379	C CAPACITOR	22nF 50V	
EE25	2401-001912	E CAPACITOR	1uF 50V	
EE01L	2401-001912	E CAPACITOR	1uF 50V	
EE01R	2401-001912	E CAPACITOR	1uF 50V	
EE02L	2401-001912	E CAPACITOR	1uF 50V	
EE02R	2401-001912	E CAPACITOR	1uF 50V	
EE03L	2401-001912	E CAPACITOR	1uF 50V	
EE03R	2401-001912	E CAPACITOR	1uF 50V	
EE04L	2401-001912	E CAPACITOR	1uF 50V	
EE04R	2401-001912	E CAPACITOR	1uF 50V	
EE05L	2401-001912	E CAPACITOR	1uF 50V	
EE05R	2401-001912	E CAPACITOR	1uF 50V	
EE06L	2401-000651	E CAPACITOR	2.2uF 50V	
EE06R	2401-000651	E CAPACITOR	2.2uF 50V	
EE07L	2401-000651	E CAPACITOR	2.2uF 50V	
EE07R	2401-000651	E CAPACITOR	2.2uF 50V	
EE08L	2401-001912	E CAPACITOR	1uF 50V	
EE08R	2401-001912	E CAPACITOR	1uF 50V	
EE09L	2401-000455	E CAPACITOR	10uF 35V	
EE09R	2401-000455	E CAPACITOR	10uF 35V	
EE101	2401-000480	E CAPACITOR	10uF 50V	
EE102	2401-001975	E CAPACITOR	47uF 16V	
EE103	2401-000832	E CAPACITOR	220uF 25V	
EE104	2401-000042	E CAPACITOR	100uF 16V	
EE105	2401-000042	E CAPACITOR	100uF 16V	
EE106	2401-000048	E CAPACITOR	47uF 25V	
EE107	2401-000027	E CAPACITOR	4.7uF 50V	
EE108	2401-000027	E CAPACITOR	4.7uF 50V	
EE109	2401-000759	E CAPACITOR	220nF 50V	
EE110	2401-000048	E CAPACITOR	47uF 25V	
FC101	2401-001975	E CAPACITOR	47uF 16V	
FC102	2401-000048	E CAPACITOR	47uF 25V	
HC01L	2201-000863	C CAPACITOR	0.68nF 50V	
HC01R	2201-000863	C CAPACITOR	0.68nF 50V	
HC02L	2201-000146	C CAPACITOR	0.1nF	
HC02R	2201-000146	C CAPACITOR	0.1nF	
HC03L	2201-000389	C CAPACITOR	0.022nF	
HC03R	2201-000389	C CAPACITOR	0.022nF	
HE01L	2401-001912	E CAPACITOR	1uF 50V	
HE01R	2401-001912	E CAPACITOR	1uF 50V	
HE02L	2401-001164	E CAPACITOR	33uF 16V	
HE02R	2401-001164	E CAPACITOR	33uF 16V	
HE101	2401-000832	E CAPACITOR	220uF 25V	
HE102	2401-000832	E CAPACITOR	220uF 25V	
HE103	2401-001975	E CAPACITOR	47uF 16V	
PE215	2401-002042	E CAPACITOR	220uF 10V	
SC01	2301-000419	M CAPACITOR	27nF 50V	
SE04	2401-000651	E CAPACITOR	2.2uF 50V	
SE05	2401-000651	E CAPACITOR	2.2uF 50V	
SE08	2401-000480	E CAPACITOR	10uF 50V	
SE09	2401-000027	E CAPACITOR	4.7uF 50V	
SE10	2401-000480	E CAPACITOR	10uF 50V	
SE11	2401-000480	E CAPACITOR	10uF 50V	
SE12	2401-000480	E CAPACITOR	10uF 50V	
SE13	2401-000027	E CAPACITOR	4.7uF 50V	
SE14	2401-000759	E CAPACITOR	220nF 50V	
SE15	2401-000651	E CAPACITOR	2.2uF 50V	
SE16	2401-001645	E CAPACITOR	0.68uF 50V	
SE17	2401-000048	E CAPACITOR	47uF 25V	
SE01L	2401-000027	E CAPACITOR	4.7uF 50V	
SE01R	2401-000027	E CAPACITOR	4.7uF 50V	
SE02L	2401-000048	E CAPACITOR	47uF 25V	
SE02R	2401-000048	E CAPACITOR	47uF 25V	
SE03L	2401-000480	E CAPACITOR	10uF 50V	

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
SE03R	2401-000480	E CAPACITOR	10uF 50V		ER105	2001-000591	C RESISTOR	3.3KΩ 1/8W	
SE06L	2401-001938	E CAPACITOR	22uF 25V		ER109	2001-000290	C RESISTOR	10KΩ 1/8W	
SE06R	2401-001938	E CAPACITOR	22uF 25V		ER10L	2001-000273	C RESISTOR	100KΩ 1/8W	
SE07L	2401-000480	E CAPACITOR	10uF 50V		ER10R	2001-000273	C RESISTOR	100KΩ 1/8W	
SE07R	2401-000480	E CAPACITOR	10uF 50V		ER110	2001-000773	C RESISTOR	470KΩ 1/8W	
					ER111	2001-000515	C RESISTOR	220Ω 1/8W	
AR01L	2001-000522	C RESISTOR	22KΩ 1/8W		ER112	2001-000645	C RESISTOR	330KΩ 1/8W	
AR01R	2001-000522	C RESISTOR	22KΩ 1/8W		ER113	2001-000989	C RESISTOR	820KΩ 1/8W	
AR02L	2001-000786	C RESISTOR	47KΩ 1/8W		ER114	2001-000786	C RESISTOR	47KΩ 1/8W	
AR02R	2001-000786	C RESISTOR	47KΩ 1/8W		ER13L	2001-000356	C RESISTOR	150KΩ 1/8W	
AR03L	2001-000508	C RESISTOR	220KΩ 1/8W		ER13R	2001-000356	C RESISTOR	150KΩ 1/8W	
AR03R	2001-000508	C RESISTOR	220KΩ 1/8W		ER14L	2001-000008	C RESISTOR	15KΩ 1/8W	
AR101	2001-000563	C RESISTOR	27KΩ 1/8W		ER14R	2001-000008	C RESISTOR	15KΩ 1/8W	
AR102	2001-000563	C RESISTOR	27KΩ 1/8W		ER15L	2001-000290	C RESISTOR	10KΩ 1/8W	
AR103	2001-000548	C RESISTOR	270KΩ 1/8W		ER15R	2001-000290	C RESISTOR	10KΩ 1/8W	
AR104	2001-000273	C RESISTOR	100KΩ 1/8W		ER16L	2001-000003	C RESISTOR	330Ω 1/8W	
AR105	2001-000273	C RESISTOR	100KΩ 1/8W		ER16R	2001-000003	C RESISTOR	330Ω 1/8W	
AR106	2001-000522	C RESISTOR	22KΩ 1/8W		ER17L	2001-000003	C RESISTOR	330Ω 1/8W	
AR107	2001-000522	C RESISTOR	22KΩ 1/8W		ER17R	2001-000003	C RESISTOR	330Ω 1/8W	
AR108	2001-000281	C RESISTOR	100Ω 1/8W		ER19L	2001-000591	C RESISTOR	3.3KΩ 1/8W	
AR109	2001-000281	C RESISTOR	100Ω 1/8W		ER19R	2001-000591	C RESISTOR	3.3KΩ 1/8W	
AR10L	2001-000793	C RESISTOR	47Ω 1/8W		ER20L	2001-000864	C RESISTOR	56KΩ 1/8W	
AR10R	2001-000793	C RESISTOR	47Ω 1/8W		ER20R	2001-000864	C RESISTOR	56KΩ 1/8W	
AR110	2001-000273	C RESISTOR	100KΩ 1/8W		ER21L	2001-001000	C RESISTOR	82KΩ 1/8W	
AR111	2001-000273	C RESISTOR	100KΩ 1/8W		ER21R	2001-001000	C RESISTOR	82KΩ 1/8W	
AR112	2001-000273	C RESISTOR	100KΩ 1/8W		ER22L	2001-000522	C RESISTOR	22KΩ 1/8W	
AR114	2001-000864	C RESISTOR	56KΩ 1/8W		ER22R	2001-000522	C RESISTOR	22KΩ 1/8W	
AR115	2001-000258	C RESISTOR	1.8KΩ 1/8W		ER23L	2001-000429	C RESISTOR	1KΩ 1/8W	
AR116	2001-000977	C RESISTOR	8.2KΩ 1/8W		ER23R	2001-000429	C RESISTOR	1KΩ 1/8W	
AR118	2001-000508	C RESISTOR	220KΩ 1/8W		ER24L	2001-000786	C RESISTOR	47KΩ 1/8W	
AR119	2001-000281	C RESISTOR	100Ω 1/8W		ER24R	2001-000786	C RESISTOR	47KΩ 1/8W	
AR11L	2001-000290	C RESISTOR	10KΩ 1/8W		ER25L	2001-000591	C RESISTOR	3.3KΩ 1/8W	
AR11R	2001-000290	C RESISTOR	10KΩ 1/8W		ER25R	2001-000591	C RESISTOR	3.3KΩ 1/8W	
AR121	2001-000802	C RESISTOR	5.6KΩ 1/8W		FR101	2001-000429	C RESISTOR	1KΩ 1/8W	
AR122	2001-000522	C RESISTOR	22KΩ 1/8W		FR102	2001-000449	C RESISTOR	2.2KΩ 1/8W	
AR123	2001-000258	C RESISTOR	1.8KΩ 1/8W		FR103	2001-000025	C RESISTOR	75Ω 1/4W	
AR124	2001-000331	C RESISTOR	12KΩ 1/8W		FR104	2001-000522	C RESISTOR	22KΩ 1/8W	
AR125	2001-000522	C RESISTOR	22KΩ 1/8W		FR222	2001-000855	C RESISTOR	560Ω 1/4W	
AR126	2001-000522	C RESISTOR	22KΩ 1/8W		HR01L	2001-000449	C RESISTOR	2.2KΩ 1/8W	
AR127	2001-000890	C RESISTOR	6.8KΩ 1/8W		HR01R	2001-000449	C RESISTOR	2.2KΩ 1/8W	
AR128	2001-000563	C RESISTOR	27KΩ 1/8W		HR02L	2001-000449	C RESISTOR	2.2KΩ 1/8W	
AR129	2001-000281	C RESISTOR	100Ω 1/8W		HR02R	2001-000449	C RESISTOR	2.2KΩ 1/8W	
AR130	2001-000281	C RESISTOR	100Ω 1/8W		HR03L	2001-000734	C RESISTOR	4.7KΩ 1/8W	
AR131	2001-000281	C RESISTOR	100Ω 1/8W		HR03R	2001-000734	C RESISTOR	4.7KΩ 1/8W	
AR132	2001-000508	C RESISTOR	220KΩ 1/8W		HR04L	2001-000290	C RESISTOR	10KΩ 1/8W	
AR133	2001-000449	C RESISTOR	2.2KΩ 1/8W		HR04R	2001-000290	C RESISTOR	10KΩ 1/8W	
AR134	2001-001000	C RESISTOR	82KΩ 1/8W		HR05L	2001-000019	C RESISTOR	10Ω 1/2W	
AR135	2001-000273	C RESISTOR	100KΩ 1/8W		HR05R	2001-000019	C RESISTOR	10Ω 1/2W	
AR136	2001-000273	C RESISTOR	100KΩ 1/8W		HR06L	2001-000591	C RESISTOR	3.3KΩ 1/8W	
AR137	2001-000786	C RESISTOR	47KΩ 1/8W		HR06R	2001-000591	C RESISTOR	3.3KΩ 1/8W	
AR138	2001-000786	C RESISTOR	47KΩ 1/8W		HR101	2001-000028	C RESISTOR	100Ω 1/2W	
AR139	2001-000554	C RESISTOR	270Ω 1/8W		HR102	2001-000028	C RESISTOR	100Ω 1/2W	
AR140	2001-000802	C RESISTOR	5.6KΩ 1/8W		PR222	2001-000273	C RESISTOR	100KΩ 1/8W	
AR141	2001-000027	C RESISTOR	100Ω 1/4W		PR223	2001-000062	C RESISTOR	470Ω 1/4W	
AR142	2001-000027	C RESISTOR	100Ω 1/4W		SR01	2001-000773	C RESISTOR	470KΩ 1/8W	
CR01L	2001-000864	C RESISTOR	56KΩ 1/8W		SR02	2001-000773	C RESISTOR	470KΩ 1/8W	
CR01R	2001-000864	C RESISTOR	56KΩ 1/8W		SR03	2001-000281	C RESISTOR	100Ω 1/8W	
CR02L	2001-000411	C RESISTOR	18KΩ 1/8W		SR04	2001-000008	C RESISTOR	15KΩ 1/8W	
CR02R	2001-000411	C RESISTOR	18KΩ 1/8W		SR05	2001-000802	C RESISTOR	5.6KΩ 1/8W	
CR03L	2001-000591	C RESISTOR	3.3KΩ 1/8W		SR06	2001-000723	C RESISTOR	4.3KΩ 1/8W	
CR03R	2001-000591	C RESISTOR	3.3KΩ 1/8W		SR07	2001-000273	C RESISTOR	100KΩ 1/8W	
ER25	2001-000290	C RESISTOR	10KΩ 1/8W		SR08	2001-000290	C RESISTOR	10KΩ 1/8W	
ER02L	2001-000591	C RESISTOR	3.3KΩ 1/8W		SR09	2001-000734	C RESISTOR	4.7KΩ 1/8W	
ER02R	2001-000591	C RESISTOR	3.3KΩ 1/8W		SR12	2001-000591	C RESISTOR	3.3KΩ 1/8W	
ER05L	2001-000515	C RESISTOR	220Ω 1/8W		SR13	2001-000023	C RESISTOR	47Ω 1/4W	
ER05R	2001-000515	C RESISTOR	220Ω 1/8W		SR18	2001-000281	C RESISTOR	100Ω 1/8W	
ER06L	2001-000786	C RESISTOR	47KΩ 1/8W		SR19	2001-000281	C RESISTOR	100Ω 1/8W	
ER06R	2001-000786	C RESISTOR	47KΩ 1/8W		SR20	2001-000244	C RESISTOR	1.5MΩ 1/8W	
ER07L	2001-000734	C RESISTOR	4.7KΩ 1/8W		SR21	2001-000290	C RESISTOR	10KΩ 1/8W	
ER07R	2001-000734	C RESISTOR	4.7KΩ 1/8W		SR10L	2001-000331	C RESISTOR	12KΩ 1/8W	
ER08L	2001-000786	C RESISTOR	47KΩ 1/8W		SR10R	2001-000331	C RESISTOR	12KΩ 1/8W	
ER08R	2001-000786	C RESISTOR	47KΩ 1/8W		SR11L	2001-000449	C RESISTOR	2.2KΩ 1/8W	
ER09L	2001-000331	C RESISTOR	12KΩ 1/8W		SR11R	2001-000449	C RESISTOR	2.2KΩ 1/8W	
ER09R	2001-000331	C RESISTOR	12KΩ 1/8W		SR14L	2001-000290	C RESISTOR	10KΩ 1/8W	
ER101	2001-000515	C RESISTOR	220Ω 1/8W		SR14R	2001-000290	C RESISTOR	10KΩ 1/8W	
ER102	2001-000515	C RESISTOR	220Ω 1/8W		SR15L	2001-000290	C RESISTOR	10KΩ 1/8W	
ER103	2001-000023	C RESISTOR	47Ω 1/4W		SR15R	2001-000290	C RESISTOR	10KΩ 1/8W	
ER104	2001-000022	C RESISTOR	33Ω 1/2W		SR16L	2001-000802	C RESISTOR	5.6KΩ 1/8W	

△ Symbol No.	Part No.	Part Name	Description	Local
SR16R	2001-000802	C RESISTOR	5.6KΩ 1/8W	
SR17L	2001-000734	C RESISTOR	4.7KΩ 1/8W	
SR17R	2001-000734	C RESISTOR	4.7KΩ 1/8W	
AW104	AH39-00791A	CONNECTOR WIRE	10P for AMP AW105	
CW101	3711-005905	CONNECTOR	2P	
CW102	3710-002254	CONNECTOR	12P 2mm	
CW103	3708-000412	CONNECTOR	12P 1.25mm	
CW104	3708-000347	CONNECTOR	10P 1MM	
CW105	3711-005905	CONNECTOR	2P	
CW106	3708-000189	CONNECTOR	17P 1.25mm	
FW101	AH39-20008Q	CONNECTOR WIRE	2P for AMP FAN102	
GND1	AH39-50001K	HARNES WIRE	140mm BLK	
GND2	AH65-30013A	CLAMP CORD		
XXXXX	3811-000122	PVC WIRE	300V 150mm	
XXXXX	6003-001375	SCREW	M3XL8	
XXXXX	AH61-40014A	SUPPORT RIVET	(x2)	
XXXXX	AH62-00099A	HEAT SINK		
XXXXX	AH62-00147A	HEAT SINK		

Front board

Block No. [0][2]

△ Symbol No.	Part No.	Part Name	Description	Local
UIC01	AH11-00167A	MASK ROM	LC876B64C-56L0	
UIC02	LC709006A	IC	1205-002632	
UIC03	CM102	IC	0904-001968	
FQ301	KTC8050	TRANSISTOR	0501-002375	
FQ302	KTC8050	TRANSISTOR	0501-002375	
FQ303	KSD1691	TRANSISTOR	0502-001048	
FQ304	KSR1003	TRANSISTOR	0504-000118	
UQ101	KTC945B	TRANSISTOR	0501-002409	
FD201	1N4002	DIODE	0402-000127	
FD204	1N4002	DIODE	0402-000127	
FD301	1N4002	DIODE	0402-000127	
FZ301	MTZJ5.6B	Z DIODE	0403-000509	
LD201	0601-001739	LED	RED	
LD202	0601-001739	LED	RED	
LD203	0601-001739	LED	RED	
LD204	0601-001739	LED	RED	
LD205	0601-001739	LED	RED	
LD206	0601-001739	LED	RED	
LD207	0601-001739	LED	RED	
LD208	0601-001739	LED	RED	
LD209	0601-001739	LED	RED	
LD301	0601-001739	LED	RED	
LD302	0601-001739	LED	RED	
LD303	0601-001739	LED	RED	
LD304	0601-001739	LED	RED	
LD305	0601-001739	LED	RED	
LD306	0601-001739	LED	RED	
LD307	0601-001739	LED	RED	
LD308	0601-001739	LED	RED	
LD309	0601-001739	LED	RED	
LD310	0601-001739	LED	RED	
LD311	0601-001739	LED	RED	
LED12	0601-001739	LED	RED	
LED13	0601-001739	LED	RED	
UD02	1N4148	DIODE	0401-000005	
UD101	1N4148	DIODE	0401-000005	
UD102	1N4148	DIODE	0401-000005	
UD103	1N4002	DIODE	0402-000127	
UD104	1N4002	DIODE	0402-000127	
UD105	1N4148	DIODE	0401-000005	
FC01L	2202-000806	C CAPACITOR	220pF 50V	
FC01R	2202-000806	C CAPACITOR	220pF 50V	
FC02L	2202-000806	C CAPACITOR	220pF 50V	
FC02R	2202-000806	C CAPACITOR	220pF 50V	
FC201	2201-000982	C CAPACITOR	10nF	

△ Symbol No.	Part No.	Part Name	Description	Local
FC204	2201-000565	C CAPACITOR	47nF 50V	
FC301	2202-000121	C CAPACITOR	0.1nF 50V	
FC302	2202-000121	C CAPACITOR	0.1nF 50V	
FC303	2202-000786	C CAPACITOR	0.01nF 50V	
FC304	2202-000786	C CAPACITOR	0.01nF 50V	
FE200	2401-000240	E CAPACITOR	100uF 10V	
FE301	2401-000832	E CAPACITOR	220uF 25V	
FE302	2401-001952	E CAPACITOR	4.7uF 50V	
FE303	2401-000480	E CAPACITOR	10uF 50V	
FE304	2401-000414	E CAPACITOR	10uF 16V	
FE305	2401-000414	E CAPACITOR	10uF 16V	
FE30L	2401-002042	E CAPACITOR	220uF 10V	
FE30R	2401-002042	E CAPACITOR	220uF 10V	
UC101	2201-000982	C CAPACITOR	10nF	
UC102	2201-000565	C CAPACITOR	47nF 50V	
UC103	2201-000389	C CAPACITOR	0.022nF	
UC104	2201-000389	C CAPACITOR	0.022nF	
UC105	2201-000565	C CAPACITOR	47nF 50V	
UC106	2201-000565	C CAPACITOR	47nF 50V	
UC107	2201-000017	C CAPACITOR	1nF 50V	
UE101	2401-000651	E CAPACITOR	2.2uF 50V	
UE102	2401-000759	E CAPACITOR	220nF 50V	
UE103	2401-000118	E CAPACITOR	1000uF 10V	
UE104	2401-000240	E CAPACITOR	100uF 10V	

FR01L	2001-000290	C RESISTOR	10KΩ 1/8W
FR01R	2001-000290	C RESISTOR	10KΩ 1/8W
FR201	2001-000995	C RESISTOR	820Ω 1/8W
FR202	2001-000429	C RESISTOR	1KΩ 1/8W
FR203	2001-000221	C RESISTOR	1.2KΩ 1/8W
FR204	2001-000241	C RESISTOR	1.5KΩ 1/8W
FR205	2001-000258	C RESISTOR	1.8KΩ 1/8W
FR206	2001-000449	C RESISTOR	2.2KΩ 1/8W
FR207	2001-000591	C RESISTOR	3.3KΩ 1/8W
FR208	2001-000734	C RESISTOR	4.7KΩ 1/8W
FR209	2001-000890	C RESISTOR	6.8KΩ 1/8W
FR210	2001-000995	C RESISTOR	820Ω 1/8W
FR211	2001-000429	C RESISTOR	1KΩ 1/8W
FR212	2001-000221	C RESISTOR	1.2KΩ 1/8W
FR213	2001-000241	C RESISTOR	1.5KΩ 1/8W
FR214	2001-000258	C RESISTOR	1.8KΩ 1/8W
FR215	2001-000449	C RESISTOR	2.2KΩ 1/8W
FR216	2001-000591	C RESISTOR	3.3KΩ 1/8W
FR217	2001-000034	C RESISTOR	220Ω 1/4W
FR218	2001-000034	C RESISTOR	220Ω 1/4W
FR219	2001-000034	C RESISTOR	220Ω 1/4W
FR220	2001-000034	C RESISTOR	220Ω 1/4W
FR221	2001-000034	C RESISTOR	220Ω 1/4W
FR222	2001-000855	C RESISTOR	560Ω 1/4W
FR223	2001-000034	C RESISTOR	220Ω 1/4W
FR224	2001-000034	C RESISTOR	220Ω 1/4W
FR225	2001-000034	C RESISTOR	220Ω 1/4W
FR301	2001-000034	C RESISTOR	220Ω 1/4W
FR302	2001-000034	C RESISTOR	220Ω 1/4W
FR303	2001-000034	C RESISTOR	220Ω 1/4W
FR304	2001-000034	C RESISTOR	220Ω 1/4W
FR305	2001-000034	C RESISTOR	220Ω 1/4W
FR306	2001-000034	C RESISTOR	220Ω 1/4W
FR307	2001-000034	C RESISTOR	220Ω 1/4W
FR308	2001-000034	C RESISTOR	220Ω 1/4W
FR309	2001-000034	C RESISTOR	220Ω 1/4W
FR30L	2001-000411	C RESISTOR	18KΩ 1/8W
FR30R	2001-000411	C RESISTOR	18KΩ 1/8W
FR310	2001-000034	C RESISTOR	220Ω 1/4W
FR311	2001-000995	C RESISTOR	820Ω 1/8W
FR312	2001-000429	C RESISTOR	1KΩ 1/8W
FR313	2001-000221	C RESISTOR	1.2KΩ 1/8W
FR314	2001-000241	C RESISTOR	1.5KΩ 1/8W
FR315	2001-000258	C RESISTOR	1.8KΩ 1/8W
FR316	2001-000449	C RESISTOR	2.2KΩ 1/8W
FR317	2001-000734	C RESISTOR	4.7KΩ 1/8W
FR318	2001-000734	C RESISTOR	4.7KΩ 1/8W
FR319	2001-000119	C RESISTOR	680Ω 1/4W
FR320	2001-000241	C RESISTOR	1.5KΩ 1/8W
FR321	2001-000527	C RESISTOR	22Ω 1/8W
FR322	2001-000527	C RESISTOR	22Ω 1/8W
FR323	2001-000435	C RESISTOR	1MΩ 1/8W
FR324	2001-000290	C RESISTOR	10KΩ 1/8W

△ Symbol No.	Part No.	Part Name	Description	Local	△ Symbol No.	Part No.	Part Name	Description	Local
FR325	2001-000034	C RESISTOR	220Ω 1/4W		UR183	2001-000793	C RESISTOR	47Ω 1/8W	
FR326	2001-000034	C RESISTOR	220Ω 1/4W		UR184	2001-000734	C RESISTOR	4.7KΩ 1/8W	
FR327	2001-000034	C RESISTOR	220Ω 1/4W		UR186	2001-000780	C RESISTOR	470KΩ 1/8W	
UR001	2001-000290	C RESISTOR	10KΩ 1/8W		UR187	2001-000780	C RESISTOR	470KΩ 1/8W	
UR101	2001-000734	C RESISTOR	4.7KΩ 1/8W						
UR102	2001-000734	C RESISTOR	4.7KΩ 1/8W		AJACK1	3722-001588	PHONE JACK	7P 3.6PI AG BLK	
UR103	2001-000734	C RESISTOR	4.7KΩ 1/8W		BEAD1	3301-000297	FERRITE BEADS		
UR104	2001-000734	C RESISTOR	4.7KΩ 1/8W		BEAD2	3301-000297	FERRITE BEADS		
UR105	2001-000734	C RESISTOR	4.7KΩ 1/8W		BZ101	3002-001134	BUZZER	85DB 12V	
UR106	2001-000734	C RESISTOR	4.7KΩ 1/8W		FL301	3301-000297	FERRITE BEADS		
UR107	2001-000734	C RESISTOR	4.7KΩ 1/8W		FL302	3301-000297	FERRITE BEADS		
UR108	2001-000734	C RESISTOR	4.7KΩ 1/8W		FW101	3708-000492	CONNECTOR	9P 1.25mm	
UR109	2001-000734	C RESISTOR	4.7KΩ 1/8W		FW102	3708-001696	CONNECTOR	24P	
UR110	2001-000734	C RESISTOR	4.7KΩ 1/8W		FW201	3708-001577	CONNECTOR	30P 1.25mm	
UR111	2001-000734	C RESISTOR	4.7KΩ 1/8W		FW202	3708-001696	CONNECTOR	24P	
UR112	2001-000734	C RESISTOR	4.7KΩ 1/8W		FW301	3708-001488	CONNECTOR	30P 1.25mm	
UR113	2001-000786	C RESISTOR	47KΩ 1/8W		FW302	3710-002050	CONNECTOR	12P	
UR114	2001-000786	C RESISTOR	47KΩ 1/8W		FW303	3710-002050	CONNECTOR	12P	
UR115	2001-000786	C RESISTOR	47KΩ 1/8W		FW304	3710-002050	CONNECTOR	12P	
UR116	2001-000786	C RESISTOR	47KΩ 1/8W		FW305	3722-002292	USB JACK	4P/1P	
UR117	2001-000786	C RESISTOR	47KΩ 1/8W		FW306	AH39-00096D	CONNECTOR WIRE	3P for FRONT FW307	
UR118	2001-000786	C RESISTOR	47KΩ 1/8W		FW307	3711-000906	CONNECTOR	3P 1R 2mm	
UR119	2001-000786	C RESISTOR	47KΩ 1/8W		FW308	3711-001136	CONNECTOR	8P	
UR120	2001-000786	C RESISTOR	47KΩ 1/8W		FW309	AH39-00060C	CONNECTOR WIRE	8P for FRONT FW308	
UR121	2001-000786	C RESISTOR	47KΩ 1/8W		GND2	AH39-50001L	HARNESS WIRE	RING4 200MM BLK	
UR122	2001-000786	C RESISTOR	47KΩ 1/8W		HJACK1	3722-001588	PHONE JACK	7P 3.6PI AG BLK	
UR123	2001-000786	C RESISTOR	47KΩ 1/8W		PS102	3406-001050	ROTARY SWITCH	5V DC 0.5mA 12mm	
UR124	2001-000786	C RESISTOR	47KΩ 1/8W		REYE1	0609-001189	REMOCON MODULE	HORIZONTAL 16.4mm	
UR125	2001-000786	C RESISTOR	47KΩ 1/8W		SW201	3404-000165	TACT SWITCH	12V 50mA	
UR126	2001-000786	C RESISTOR	47KΩ 1/8W		SW202	3404-000165	TACT SWITCH	12V 50mA	
UR127	2001-000786	C RESISTOR	47KΩ 1/8W		SW203	3404-000165	TACT SWITCH	12V 50mA	
UR128	2001-000786	C RESISTOR	47KΩ 1/8W		SW204	3404-000165	TACT SWITCH	12V 50mA	
UR129	2001-000786	C RESISTOR	47KΩ 1/8W		SW205	3404-000165	TACT SWITCH	12V 50mA	
UR130	2001-000786	C RESISTOR	47KΩ 1/8W		SW206	3404-000165	TACT SWITCH	12V 50mA	
UR131	2001-000786	C RESISTOR	47KΩ 1/8W		SW207	3404-000165	TACT SWITCH	12V 50mA	
UR132	2001-000786	C RESISTOR	47KΩ 1/8W		SW208	3404-000165	TACT SWITCH	12V 50mA	
UR133	2001-000786	C RESISTOR	47KΩ 1/8W		SW209	3404-000165	TACT SWITCH	12V 50mA	
UR134	2001-000786	C RESISTOR	47KΩ 1/8W		SW210	3404-000165	TACT SWITCH	12V 50mA	
UR135	2001-000786	C RESISTOR	47KΩ 1/8W		SW211	3404-000165	TACT SWITCH	12V 50mA	
UR136	2001-000786	C RESISTOR	47KΩ 1/8W		SW212	3404-000165	TACT SWITCH	12V 50mA	
UR137	2001-000786	C RESISTOR	47KΩ 1/8W		SW213	3404-000165	TACT SWITCH	12V 50mA	
UR138	2001-000786	C RESISTOR	47KΩ 1/8W		SW214	3404-000165	TACT SWITCH	12V 50mA	
UR139	2001-000786	C RESISTOR	47KΩ 1/8W		SW215	3404-000165	TACT SWITCH	12V 50mA	
UR140	2001-000786	C RESISTOR	47KΩ 1/8W		SW216	3404-000165	TACT SWITCH	12V 50mA	
UR141	2001-000786	C RESISTOR	47KΩ 1/8W		SW217	3404-000165	TACT SWITCH	12V 50mA	
UR142	2001-000786	C RESISTOR	47KΩ 1/8W		SW218	3404-000165	TACT SWITCH	12V 50mA	
UR143	2001-000786	C RESISTOR	47KΩ 1/8W		SW310	3404-000165	TACT SWITCH	12V 50mA	
UR144	2001-000786	C RESISTOR	47KΩ 1/8W		SW311	3404-000165	TACT SWITCH	12V 50mA	
UR145	2001-000786	C RESISTOR	47KΩ 1/8W		SW312	3404-000165	TACT SWITCH	12V 50mA	
UR146	2001-000786	C RESISTOR	47KΩ 1/8W		SW313	3404-000165	TACT SWITCH	12V 50mA	
UR147	2001-000786	C RESISTOR	47KΩ 1/8W		SW314	3404-000165	TACT SWITCH	12V 50mA	
UR148	2001-000786	C RESISTOR	47KΩ 1/8W		SW315	3404-000165	TACT SWITCH	12V 50mA	
UR149	2001-000786	C RESISTOR	47KΩ 1/8W		SW316	3404-000165	TACT SWITCH	12V 50mA	
UR150	2001-000429	C RESISTOR	1KΩ 1/8W		UW002	AH39-00249A	CONNECTOR WIRE	5P for AMP AW102	
UR151	2001-000290	C RESISTOR	10KΩ 1/8W		UW003	3711-003408	CONNECTOR	2P	
UR152	2001-000290	C RESISTOR	10KΩ 1/8W		UW004	AH39-00342A	CONNECT WIRE	Z510S 2P	
UR153	2001-000290	C RESISTOR	10KΩ 1/8W		UW103	3708-000448	CONNECTOR	6P 1.25mm	
UR154	2001-000290	C RESISTOR	10KΩ 1/8W		UX101	2801-001394	CRYSTAL	32.768KHz	
UR155	2001-000290	C RESISTOR	10KΩ 1/8W		UX102	2802-001198	C.RESONATOR	10MHz	
UR156	2001-000290	C RESISTOR	10KΩ 1/8W		UX103	2801-004396	CRYSTAL UNIT	12.0MHz 30ppm	
UR157	2001-000290	C RESISTOR	10KΩ 1/8W		VFD1	AH07-00152A	VFD DISPLAY	WHITE	
UR158	2001-000290	C RESISTOR	10KΩ 1/8W		VR101	3406-001047	ROTARY SWITCH	5V DC 0.5mA	
UR159	2001-000290	C RESISTOR	10KΩ 1/8W		XXXXX	6003-001375	SCREW	M3XL8	
UR160	2001-000290	C RESISTOR	10KΩ 1/8W		XXXXX	AH61-01831A	VFD HOLDER	ABS BLACK	
UR161	2001-000429	C RESISTOR	1KΩ 1/8W		XXXXX	AH61-01834B	LED HOLDER	ABS	
UR162	2001-000429	C RESISTOR	1KΩ 1/8W		XXXXX	AH62-00099A	HEAT SINK		
UR163	2001-000429	C RESISTOR	1KΩ 1/8W		XXXXX	AH63-01033A	USB SHIELD		
UR172	2001-000027	C RESISTOR	100Ω 1/4W						
UR173	2001-000281	C RESISTOR	100Ω 1/8W						
UR174	2001-000027	C RESISTOR	100Ω 1/4W						
UR175	2001-000281	C RESISTOR	100Ω 1/8W						
UR176	2001-000027	C RESISTOR	100Ω 1/4W						
UR177	2001-000295	C RESISTOR	10MΩ 1/8W						
UR178	2001-000850	C RESISTOR	560KΩ 1/8W						
UR179	2001-000435	C RESISTOR	1MΩ 1/8W						
UR180	2001-000449	C RESISTOR	2.2KΩ 1/8W						
UR181	2001-000734	C RESISTOR	4.7KΩ 1/8W						
UR182	2001-000508	C RESISTOR	220KΩ 1/8W						

Amp board

Block No. [0][3]

△ Symbol No.	Part No.	Part Name	Description	Local
AIC01	STK428-610	IC	1201-002207	
AIC02	STK428-640	IC	1201-002208	
AIC03	KIA7812PI	IC	AH14-10003E	
AIC04	KIA7812PI	IC	AH14-10003E	
PIC02	4959	IC	1203-001653	
PQ001	78L05A	IC	1203-000429	
XXXXX	78R05	IC	1203-001006	
AQ201	KSC1008	TRANSISTOR	0501-000010	
AQ202	KTA1281	TRANSISTOR	0501-002228	
AQ203	KSR2003	TRANSISTOR	0504-000145	
AQ204	KSC1008	TRANSISTOR	0501-000010	
AQ205	KSB1366	TRANSISTOR	0502-001138	
AQ301	KSC1008	TRANSISTOR	0501-000010	
AQ302	KTA1281	TRANSISTOR	0501-002228	
AQ303	KTC2874-B	TRANSISTOR	0501-002436	
AQ304	KSR2002	TRANSISTOR	0504-000144	
AQ305	KTD2058	TRANSISTOR	0502-000465	
PQ102	KSR2002	TRANSISTOR	0504-000144	
PQ103	KSR1003	TRANSISTOR	0504-000118	
PQ104	KSC1009-Y	TRANSISTOR	0501-000331	
PQ105	KTA1046	TRANSISTOR	0502-001177	
PQ105	KTA1281	TRANSISTOR	0501-002228	
PQ106	KSA708-Y	TRANSISTOR	0501-000294	
AD201	1N4002	DIODE	0402-000127	
AD202	1N4002	DIODE	0402-000127	
AW133	1N4002	DIODE	0402-000127	
AW173	1N4002	DIODE	0402-000127	
AZ201	UZ5.1BSB	Z DIODE	0403-000355	
△ PBD01	1N5402	DIODE	0402-000157	
△ PBD02	1N5402	DIODE	0402-000157	
△ PBD03	1N5402	DIODE	0402-000157	
△ PBD04	1N5402	DIODE	0402-000157	
△ PBD05	1N5402	DIODE	0402-000157	
△ PBD06	1N5402	DIODE	0402-000157	
△ PBD07	1N5402	DIODE	0402-000157	
△ PBD08	1N5402	DIODE	0402-000157	
PD001	1N4002	DIODE	0402-000127	
PD002	1N4148	DIODE	0401-000005	
PD201	1N4002	DIODE	0402-000127	
PD202	1N4002	DIODE	0402-000127	
PD204	1N4002	DIODE	0402-000127	
PD207	1N4002	DIODE	0402-000127	
PD210	1N4002	DIODE	0402-000127	
△ PD211	1N5392	DIODE	0402-000151	
△ PD212	1N5392	DIODE	0402-000151	
△ PD213	1N5392	DIODE	0402-000151	
△ PD214	1N5392	DIODE	0402-000151	
PD401	1N4002	DIODE	0402-000127	
PZ104	1N4733A	Z DIODE	0403-000525	
PZ105	1N4743A	Z DIODE	0403-000150	
PZ401	UZ5.1BSB	Z DIODE	0403-000355	
△ PC201	2201-000161	C CAPACITOR	10nF	
△ PC202	2201-000161	C CAPACITOR	10nF	
△ PC203	2201-000161	C CAPACITOR	10nF	
AC201	2201-000161	C CAPACITOR	10nF	
AC204	2201-000338	C CAPACITOR	2.2nF 50V	
AC205	2201-000338	C CAPACITOR	2.2nF 50V	
AC206	2201-000161	C CAPACITOR	10nF	
AC209	2305-001039	M CAPACITOR	270nF 63V	
AC210	2301-001074	M CAPACITOR	680nF 63V	
AC211	2305-000412	M CAPACITOR	470nF	
AC212	2305-000412	M CAPACITOR	470nF	
AC301	2201-000161	C CAPACITOR	10nF	
AC304	2201-000338	C CAPACITOR	2.2nF 50V	
AC305	2201-000338	C CAPACITOR	2.2nF 50V	
AC306	2201-000161	C CAPACITOR	10nF	
AC309	2301-001074	M CAPACITOR	680nF 63V	
AC310	2305-001039	M CAPACITOR	270nF 63V	
AC311	2305-000412	M CAPACITOR	470nF	
AC312	2305-000412	M CAPACITOR	470nF	

△ Symbol No.	Part No.	Part Name	Description	Local
AC321	2301-000302	M CAPACITOR	680nF 100V	
AC322	2301-000302	M CAPACITOR	680nF 100V	
AC323	2301-000302	M CAPACITOR	680nF 100V	
AC324	2301-000302	M CAPACITOR	680nF 100V	
AC325	2201-000806	C CAPACITOR	1nF 400V	
AC326	2201-000806	C CAPACITOR	1nF 400V	
AC327	2201-000806	C CAPACITOR	1nF 400V	
AC328	2201-000806	C CAPACITOR	1nF 400V	
AC405	2201-000021	C CAPACITOR	100nF 50V	
AC406	2201-000021	C CAPACITOR	100nF 50V	
AC407	2201-000021	C CAPACITOR	100nF 50V	
AC408	2201-000021	C CAPACITOR	100nF 50V	
AE201	2401-000303	E CAPACITOR	100uF 25V	
AE202	2401-002335	E CAPACITOR	1000uF 63V	
AE203	2401-002335	E CAPACITOR	1000uF 63V	
AE204	2401-000303	E CAPACITOR	100uF 25V	
AE205	2401-000303	E CAPACITOR	100uF 25V	
AE206	2401-002335	E CAPACITOR	1000uF 63V	
AE207	2401-002335	E CAPACITOR	1000uF 63V	
AE208	2401-000650	E CAPACITOR	2.2uF 50V	
AE209	2401-000650	E CAPACITOR	2.2uF 50V	
AE301	2401-000303	E CAPACITOR	100uF 25V	
AE302	2401-004153	E CAPACITOR	1000uF 100V	
AE303	2401-004153	E CAPACITOR	1000uF 100V	
AE304	2401-000303	E CAPACITOR	100uF 25V	
AE305	2401-000303	E CAPACITOR	100uF 25V	
AE306	2401-004153	E CAPACITOR	1000uF 100V	
AE307	2401-004153	E CAPACITOR	1000uF 100V	
AE308	2401-000650	E CAPACITOR	2.2uF 50V	
AE309	2401-000650	E CAPACITOR	2.2uF 50V	
△ PE201	2401-002592	E CAPACITOR	2200uF 50V	
△ PE202	2401-002592	E CAPACITOR	2200uF 50V	
△ PE203	2401-003385	E CAPACITOR	3300uF 80V	
△ PE204	2401-003385	E CAPACITOR	3300uF 80V	
△ PE205	2401-003116	E CAPACITOR	4700uF 35V	
PE206	2401-000832	E CAPACITOR	220uF 25V	
PE207	2401-000909	E CAPACITOR	22uF 16V	
PE208	2401-000027	E CAPACITOR	4.7uF 50V	
PE209	2401-001912	E CAPACITOR	1uF 50V	
PE210	2401-000970	E CAPACITOR	22uF 50V	
PE211	2401-000970	E CAPACITOR	22uF 50V	
PE212	2401-000230	E CAPACITOR	100uF 100V	
PE213	2401-000027	E CAPACITOR	4.7uF 50V	
PE214	2401-000480	E CAPACITOR	10uF 50V	
PE221	2401-000480	E CAPACITOR	10uF 50V	
PE401	2401-001625	E CAPACITOR	6.8uF 50V	
PE402	2401-001938	E CAPACITOR	22uF 25V	
AR201	2003-000689	METAL RESISTOR	4.7Ω 1W	
AR202	2001-001015	C RESISTOR	9.1KΩ 1/8W	
AR203	2001-000734	C RESISTOR	4.7KΩ 1/8W	
AR204	2001-000290	C RESISTOR	10KΩ 1/8W	
AR205	2001-000010	C RESISTOR	68KΩ 1/8W	
AR206	2001-000010	C RESISTOR	68KΩ 1/8W	
AR207	2001-000290	C RESISTOR	10KΩ 1/8W	
AR208	2001-000290	C RESISTOR	10KΩ 1/8W	
AR209	2001-000734	C RESISTOR	4.7KΩ 1/8W	
AR210	2001-000290	C RESISTOR	10KΩ 1/8W	
AR211	2001-000449	C RESISTOR	2.2KΩ 1/8W	
AR212	2001-000449	C RESISTOR	2.2KΩ 1/8W	
AR213	2001-001015	C RESISTOR	9.1KΩ 1/8W	
AR214	2003-000429	METAL RESISTOR	100Ω 2W	
AR215	2003-000429	METAL RESISTOR	100Ω 2W	
AR216	2003-000690	METAL RESISTOR	4.7Ω 2W	
AR217	2003-000690	METAL RESISTOR	4.7Ω 2W	
AR218	2001-000411	C RESISTOR	18KΩ 1/8W	
AR219	2001-000411	C RESISTOR	18KΩ 1/8W	
AR220	2001-000522	C RESISTOR	22KΩ 1/8W	
AR221	2001-000522	C RESISTOR	22KΩ 1/8W	
AR222	2001-001107	C RESISTOR	220Ω 1/2W	
AR225	2001-000008	C RESISTOR	15KΩ 1/8W	
AR226	2001-000008	C RESISTOR	15KΩ 1/8W	
AR250	2001-000456	C RESISTOR	2.2Ω 1/4W	
AR301	2003-000429	METAL RESISTOR	100Ω 2W	
AR301	2003-000689	METAL RESISTOR	4.7Ω 1W	
AR302	2001-000522	C RESISTOR	22KΩ 1/8W	
AR303	2001-000734	C RESISTOR	4.7KΩ 1/8W	
AR304	2001-000290	C RESISTOR	10KΩ 1/8W	

△ Symbol No.	Part No.	Part Name	Description	Local
AR305	2001-000273	C RESISTOR	100KΩ 1/8W	
AR306	2001-000273	C RESISTOR	100KΩ 1/8W	
AR307	2001-000290	C RESISTOR	10KΩ 1/8W	
AR308	2001-000290	C RESISTOR	10KΩ 1/8W	
AR309	2001-000734	C RESISTOR	4.7KΩ 1/8W	
AR311	2001-000591	C RESISTOR	3.3KΩ 1/8W	
AR312	2001-000591	C RESISTOR	3.3KΩ 1/8W	
AR313	2001-000522	C RESISTOR	22KΩ 1/8W	
AR314	2003-000429	METAL RESISTOR	100Ω 2W	
AR315	2003-000429	METAL RESISTOR	100Ω 2W	
AR316	2003-000690	METAL RESISTOR	4.7Ω 2W	
AR317	2003-000690	METAL RESISTOR	4.7Ω 2W	
AR318	2001-000563	C RESISTOR	27KΩ 1/8W	
AR319	2001-000563	C RESISTOR	27KΩ 1/8W	
AR320	2001-000429	C RESISTOR	1KΩ 1/8W	
AR321	2001-000429	C RESISTOR	1KΩ 1/8W	
AR322	2001-000591	C RESISTOR	3.3KΩ 1/8W	
AR325	2001-000429	C RESISTOR	1KΩ 1/8W	
AR326	2001-000008	C RESISTOR	15KΩ 1/8W	
AR327	2001-000008	C RESISTOR	15KΩ 1/8W	
AR350	2001-000456	C RESISTOR	2.2Ω 1/4W	
JW183	2001-000022	C RESISTOR	33Ω 1/2W	
△ PF101	2001-000016	C RESISTOR	1Ω 1/2W	
PR003	2001-000009	C RESISTOR	20KΩ 1/8W	
PR004	2001-000009	C RESISTOR	20KΩ 1/8W	
PR201	2001-000052	C RESISTOR	3.3KΩ 1/2W	
PR202	2001-000055	C RESISTOR	4.7KΩ 1/4W	
PR203	2001-000429	C RESISTOR	1KΩ 1/8W	
PR204	2001-000786	C RESISTOR	47KΩ 1/8W	
PR205	2001-000290	C RESISTOR	10KΩ 1/8W	
PR206	2003-000455	METAL RESISTOR	100Ω 2W	
PR208	2001-000734	C RESISTOR	4.7KΩ 1/8W	
PR209	2001-000111	C RESISTOR	150Ω 1/4W	
PR210	2001-000055	C RESISTOR	4.7KΩ 1/4W	
PR211	2001-000038	C RESISTOR	390Ω 1/4W	
PR216	2003-000701	METAL RESISTOR	470Ω 2W	
PR217	2001-001153	C RESISTOR	47Ω 1/2W	
PR218	2001-001153	C RESISTOR	47Ω 1/2W	
PR219	2001-000290	C RESISTOR	10KΩ 1/8W	
PR221	2001-000660	C RESISTOR	33KΩ 1/8W	
PR401	2001-001168	C RESISTOR	6.8KΩ 1/2W	
PR402	2001-001099	C RESISTOR	2.7KΩ 1/2W	
R207	2001-000563	C RESISTOR	27KΩ 1/8W	

AL201	2702-001129	COIL	20uH	
AL202	2702-001129	COIL	20uH	
AL301	2702-001132	COIL	20uH	
AL302	2702-001132	COIL	20uH	

AW101	3708-000193	CONNECTOR	17P	
AW102	3711-001011	CONNECTOR	5P 1R 2.5mm	
AW104	3708-001029	CONNECTOR	9P	
AW105	3711-000596	CONNECTOR	10P	
CW108	3711-000631	CONNECTOR	BOX 11P 1R 2.5mm	
FAN101	3711-000820	CONNECTOR	2P 1R 2.5mm	
FAN102	3711-000820	CONNECTOR	2P 1R 2.5mm	
SP101	3716-001208	TERMINAL BLOCK	8P	
XXXXX	6003-001230	SCREW	M3X16 YEL(x4)	
XXXXX	6003-001375	SCREW	M3XL8(x5)	
XXXXX	AH62-00062D	HEAT SINK	(x2)	
XXXXX	AH62-00137A	HEAT SINK	AL T3.0	

Jack board

Block No. [0][4]

△ Symbol No.	Part No.	Part Name	Description	Local
△ VIC01	MM1623XFBE	IC	1201-002085	
VC101	2203-000206	CHIP CAPACITOR	100nF 50V	
VC102	2203-000206	CHIP CAPACITOR	100nF 50V	
VC103	2203-000595	CHIP CAPACITOR	0.22nF 50V	
VC104	2203-000595	CHIP CAPACITOR	0.22nF 50V	

△ Symbol No.	Part No.	Part Name	Description	Local
VC105	2203-000595	CHIP CAPACITOR	0.22nF 50V	
VC106	2203-000595	CHIP CAPACITOR	0.22nF 50V	
VC107	2203-000595	CHIP CAPACITOR	0.22nF 50V	
VC108	2203-000408	CHIP CAPACITOR	0.18nF 50V	
VC109	2203-000206	CHIP CAPACITOR	100nF 50V	
VE101	2401-000042	E CAPACITOR	100uF 16V	
VE102	2401-001912	E CAPACITOR	1uF 50V	
VE103	2401-001975	E CAPACITOR	47uF 16V	
VE104	2401-001912	E CAPACITOR	1uF 50V	
VE105	2401-001912	E CAPACITOR	1uF 50V	
VE106	2401-001912	E CAPACITOR	1uF 50V	
VE107	2401-001102	E CAPACITOR	330uF 16V	
VE108	2401-001102	E CAPACITOR	330uF 16V	
VE109	2401-001102	E CAPACITOR	330uF 16V	
VE111	2401-001102	E CAPACITOR	330uF 16V	

J13	2007-000033	CHIP RESISTOR	0Ω	
J19	2007-000029	CHIP RESISTOR	0Ω	
J21	2007-000029	CHIP RESISTOR	0Ω	
J22	2007-000029	CHIP RESISTOR	0Ω	
J25	2007-000033	CHIP RESISTOR	0Ω	
J26	2007-000033	CHIP RESISTOR	0Ω	
J28	2007-000033	CHIP RESISTOR	0Ω	
J29	2007-000033	CHIP RESISTOR	0Ω	
J30	2007-000033	CHIP RESISTOR	0Ω	
J31	2007-000033	CHIP RESISTOR	0Ω	
VR101	2007-000766	CHIP RESISTOR	330Ω	
VR102	2007-000766	CHIP RESISTOR	330Ω	
VR103	2007-000766	CHIP RESISTOR	330Ω	
VR104	2007-000766	CHIP RESISTOR	330Ω	
VR105	2007-000766	CHIP RESISTOR	330Ω	
VR106	2007-000766	CHIP RESISTOR	330Ω	
△ VR107	2007-000026	CHIP RESISTOR	200Ω 1/8W	
VR108	2007-000023	CHIP RESISTOR	120Ω 1/10W	
△ VR109	2007-000026	CHIP RESISTOR	200Ω 1/8W	
VR110	2007-000023	CHIP RESISTOR	120Ω 1/10W	
VR111	2007-000290	CHIP RESISTOR	100Ω	
VR112	2007-000290	CHIP RESISTOR	100Ω	
VR113	2007-001166	CHIP RESISTOR	75Ω 1/8W	
VR114	2007-001166	CHIP RESISTOR	75Ω 1/8W	
VR115	2007-001166	CHIP RESISTOR	75Ω 1/8W	
VR116	2007-001166	CHIP RESISTOR	75Ω 1/8W	
VR117	2007-001166	CHIP RESISTOR	75Ω 1/8W	
VR118	2007-001166	CHIP RESISTOR	75Ω 1/8W	
VR119	2007-000290	CHIP RESISTOR	100Ω	

△ CN101	3708-000172	CONNECTOR	15P	
△ OJ101	3707-001060	CONNECTOR		
△ VJ101	3722-002145	PIN JACK	1P VHS+PIN	
△ VJ102	3722-002224	PIN JACK	3P	

Power board

Block No. [0][5]

△ Symbol No.	Part No.	Part Name	Description	Local
DIC02	KIA378R09PI	IC	1203-003743	
DIC03	278R05	IC	1203-001589	
DIC04	78R05	IC	1203-001006	
DIC05	78R33	IC	1203-001543	
DP103	1N4002	DIODE	0402-000127	
DPD02	PBL403	DIODE	0402-000450	
DPD03	PBL403	DIODE	0402-000450	
PD203	1N4148	DIODE	0401-000005	
PC103	2201-002128	C CAPACITOR	4.7nF 400V	
PC104	2201-001005	C CAPACITOR	2.2nF 400V	
DC102	2201-002128	C CAPACITOR	4.7nF 400V	
DC103	2201-002128	C CAPACITOR	4.7nF 400V	
DC105	2201-000565	C CAPACITOR	47nF 50V	
DC106	2201-000565	C CAPACITOR	47nF 50V	
DC107	2201-000565	C CAPACITOR	47nF 50V	

△ Symbol No.	Part No.	Part Name	Description	Local
DC108	2201-000565	C CAPACITOR	47nF 50V	
DE102	2401-003116	E CAPACITOR	4700uF 35V	
DE103	2401-001883	E CAPACITOR	1000uF 25V	
DE105	2401-000303	E CAPACITOR	100uF 25V	
DE106	2401-001364	E CAPACITOR	470uF 16V	
DE107	2401-000303	E CAPACITOR	100uF 25V	
DE108	2401-000303	E CAPACITOR	100uF 25V	
DE109	2401-001355	E CAPACITOR	470uF 10V	
DE110	2401-000303	E CAPACITOR	100uF 25V	
DE111	2401-002042	E CAPACITOR	220uF 10V	
DR101	2003-000629	METAL RESISTOR	3.3Ω 2W	
AW103	3708-001761	CONNECTOR	28P	
AW104	AH39-00791A	CONNECTOR WIRE	10P for AMP AW105	
AW106	3708-000172	CONNECTOR	15P	
DCW02	3711-005949	CONNECTOR	5P	
DCW03	AH39-00539A	CONNECTOR WIRE	11P for AMP CW108	
DCW04	3711-000820	CONNECTOR	2P 1R 2.5mm	
DCW05	3711-004848	CONNECTOR	3P 1R 7.92mm	
DCW07	3711-000190	CONNECTOR	2P 1R 7.92mm	
PL104	2901-001341	FILTER		
VS101	3408-000177	SLIDE SWITCH	250V 5A DPDT	
XXXXX	AH61-40014A	SUPPORT RIVET	(x2)	
XXXXX	AH62-00129C	HEAT SINK		

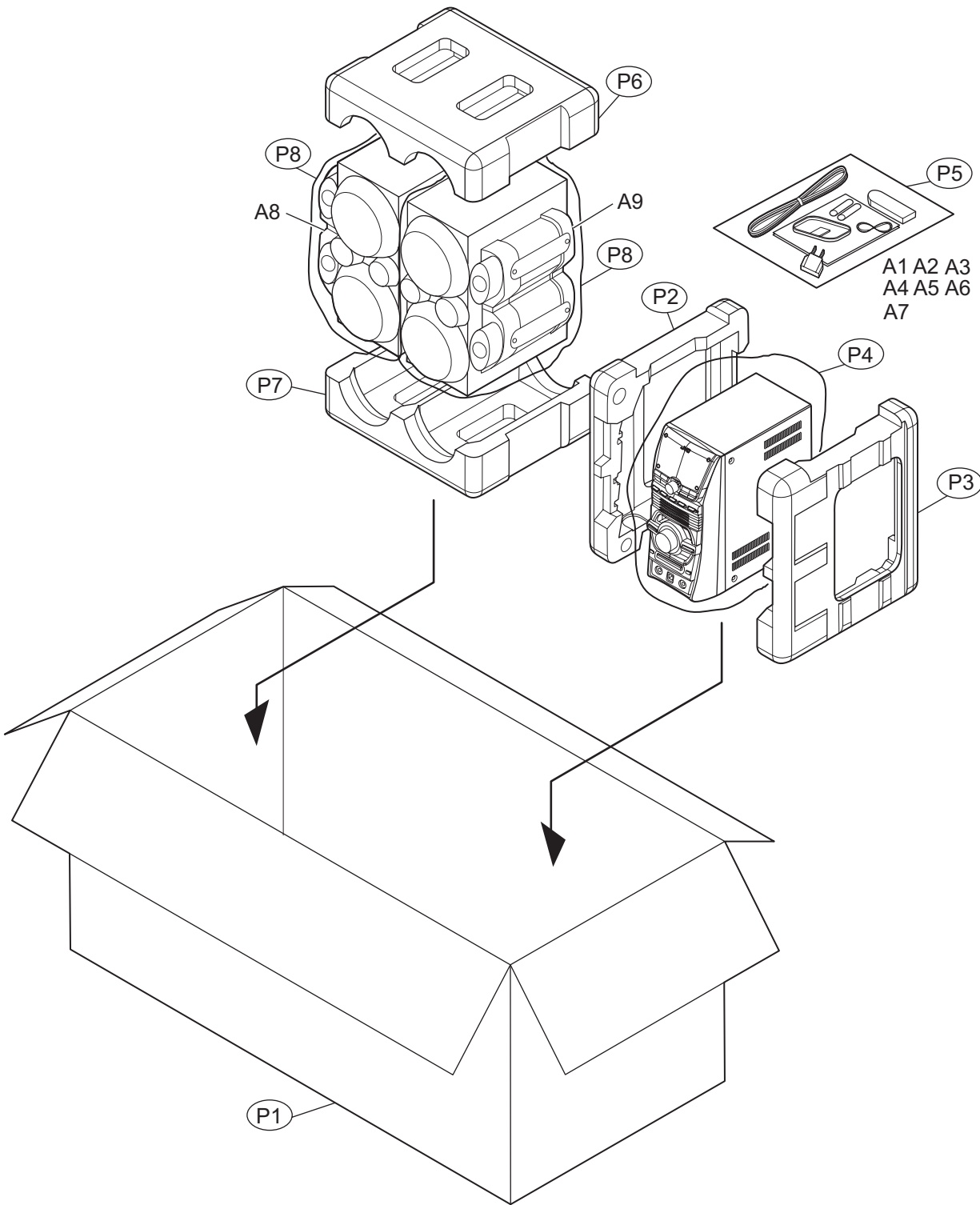
Wiring

Block No. [0][6]

△ Symbol No.	Part No.	Part Name	Description	Local
XXXXX	3301-000132	FERRITE BEADS		
XXXXX	AH63-00075B	SHEET CUSHION		
XXXXX	3809-001298	FLAT CABLE	12P for MAIN CW103 to TUNER	
XXXXX	3809-001327	FLAT CABLE	17P for MAIN CW106 to AMP AW101	
XXXXX	3809-001452	FLAT CABLE	24P for FRONT FW102 to FW202	
XXXXX	3809-001468	FLAT CABLE	9P for AMP AW104 to FRONT FW101	
XXXXX	3809-001707	FLAT CABLE	30P for FRONT FW201 to FW301	
XXXXX	3809-001718	FLAT CABLE	10P for MAIN CW104 to DVD	
XXXXX	3809-001719	FLAT CABLE	15P for JACK CN101 to POWER CW106	
XXXXX	3809-001720	FLAT CABLE	28P for POWER AW103 to DVD	

Packing materials and accessories parts list

Block No. M 3 M M



Packing and Accessories

Block No. [M][3][M][M]

△	Symbol No.	Part No.	Part Name	Description	Local
	A 1	AH68-01704C	INST BOOK	ENG LVT1351-003B	
	A 2	AH59-01539A	REMOTE CONTROL		
	A 3	AH39-00320C	FM WIRE		
	A 4	AH42-00019A	ANT LOOP		
	A 5	-----	BATTERY	(x2)	
	A 6	AH39-40001V	RCA CABLE		
△	A 7	3721-000117	CONVERSION PLUG		
	A 8	AH81-01691A	SPEAKER BOX L		
	A 9	AH81-01691B	SPEAKER BOX R		
	P 1	AH69-01408F	CARTON	FOR SET	
	P 2	AH69-01405A	CUSHION L	FOR SET	
	P 3	AH69-01406A	CUSHION R	FOR SET	
	P 4	6902-000068	POLY BAG	FOR SET	
	P 5	6902-000385	POLY BAG	FOR ACCESSORIES	
	P 6	AH81-01691V	CUSHION	TOP	
	P 7	AH81-01691W	CUSHION	BOTTOM	
	P 8	AH81-00631U	POLY BAG	FOR SPEAKER(x2)	