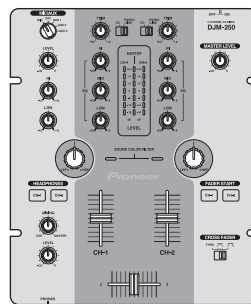


Pioneer

Service Manual



DJM-250-W

ORDER NO.
RRV4278

DJ MIXER

DJM-250-W

DJM-250-K

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
DJM-250-W	SVYXE8	AC 100 V to 240 V	
DJM-250-W	UXECB	AC 100 V to 240 V	
DJM-250-W	FLPXE	AC 100 V to 240 V	
DJM-250-W	KXE5	AC 100 V to 240 V	
DJM-250-W	AXE5	AC 100 V to 240 V	
DJM-250-K	SVYXE8	AC 100 V to 240 V	
DJM-250-K	UXECB	AC 100 V to 240 V	
DJM-250-K	FLPXE	AC 100 V to 240 V	
DJM-250-K	KXE5	AC 100 V to 240 V	
DJM-250-K	AXE5	AC 100 V to 240 V	



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K-MZV NOV. 2011 Printed in Japan

SAFETY INFORMATION



This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product may contain a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

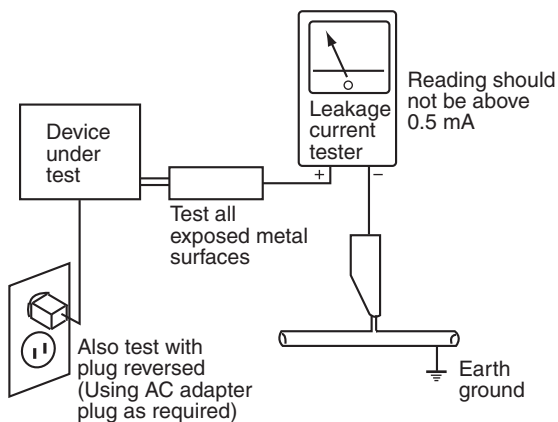
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120 V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

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1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

A

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C.
Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Do NOT use a soldering iron whose tip temperature cannot be controlled.

B

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

- Parts numbers of lead-free solder:
GYP1006 1.0 in dia.
GYP1007 0.6 in dia.
GYP1008 0.3 in dia.

C

D

E

F

2. SPECIFICATIONS

AC adapter

Power.....AC 100 V to 240 V, 50 Hz/60 Hz
 Rated current..... 800 mA
 Rated output..... DC 5 V, 3 A

General – Main Unit

Main unit weight.....3.1 kg (6.83 lb)
 Max. dimensions.....240 mm (W) × 107.7 mm (H) × 300.2 mm (D)
 (9.45 in. (W) × 4.24 in. (H) × 11.8 in. (D))
 Tolerable operating temperature
 +5 °C to +35 °C (+41 °F to +95 °F)
 Tolerable operating humidity..... 5 % to 85 % (no condensation)

Audio Section

Sampling rate 48 kHz
 A/D, D/A converter.....24 bits
 Frequency characteristic
 CD/LINE/AUX/MIC 20 Hz to 20 kHz
 S/N ratio (rated output)
 CD 91 dB
 LINE 91 dB
 PHONO 86 dB
 MIC 80 dB
 Total harmonic distortion (CD — MASTER 1) 0.007 %
 Standard input level / Input impedance
 CD -12 dBu/10 kΩ
 LINE -12 dBu/47 kΩ
 PHONO -48 dBu/47 kΩ
 MIC -52 dBu/10 kΩ
 AUX 1 -18 dBu/10 kΩ
 AUX 2, 3 -12 dBu/10 kΩ
 Standard output level / Load impedance / Output impedance
 MASTER 1 +6 dBu/10 kΩ/330 Ω
 MASTER 2 +2 dBu/10 kΩ/1 kΩ
 PHONES +2 dBu/32 Ω/33 Ω
 Rated output level / Load impedance
 MASTER 1 +22 dBu/10 kΩ
 MASTER 2 +18 dBu/10 kΩ
 Crosstalk (CD) 74 dB
 Channel equalizer characteristic
 HI -∞ to +9 dB (13 kHz)
 MID -∞ to +9 dB (1 kHz)
 LOW -∞ to +9 dB (70 Hz)
 MIC/AUX equalizer characteristics
 HI -12 dB to +12 dB (10 kHz)
 LOW -12 dB to +12 dB (100 Hz)

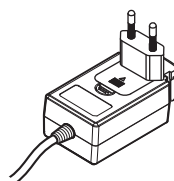
Input/output terminals

CD input terminal
 RCA pin jack 2 sets
 PHONO/LINE input terminals
 RCA pin jack 2 sets
 MIC input terminal
 Phone jack (Ø 6.3 mm) 1 set
 AUX input terminal
 RCA pin jack 2 sets
 Mini phone jack (Ø 3.5 mm) 1 set
 MASTER output terminal
 RCA pin jacks 1 set
 BALANCED OUTPUT output terminal
 XLR connector 1 set
 PHONES output terminal
 Stereo phone jack (Ø 6.3 mm) 1 set
 CONTROL terminal
 Mini phone jack (Ø 3.5 mm) 2 sets

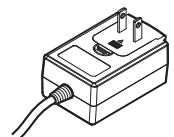
The specifications and design of this product are subject to change without notice.

Accessories

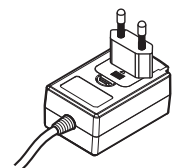
AC adapter



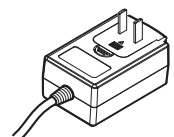
(SVYXE8: 411-DJM250-842-HA)
 (FLPXE: 411-DJM250-841-HA)



(UXECB: 411-DJM250-840-HA)



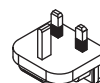
(KXE5: 411-DJM250-845-HA)



(AXE5: 411-DJM250-844-HA)

Power plug

for UK



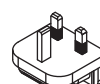
(SVYXE8: 420-DJM250-362-HA)

for Mexico, Taiwan, etc.



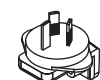
(FLPXE: 420-DJM250-361-HA)

for Hong Kong, Malaysia, Singapore, etc.



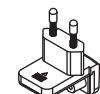
(FLPXE: 420-DJM250-362-HA)

for Australia, New Zealand, etc.



(FLPXE: 420-DJM250-363-HA)

for Thailand, etc.



(FLPXE: 420-DJM250-364-HA)

Operating instructions

(SVYXE8: 502-DM250B-3136-HA)
 (UXECB: 502-DM250A-3135-HA)
 (FLPXE: 502-DM250F-3140-HA)
 (KXE5: 502-DM250E-3139-HA)
 (AXE5: 502-DM250D-3138-HA)

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

Items to be checked after servicing

To keep the product quality after servicing, confirm recommended check points shown below.

No.	Procedures	Check points
1	Check the firmware version in Test mode.	The firmware version must be the latest one. If it is not the latest one, be sure to update it.
2	Confirm whether the customer complain has been solved. If the customer complain occurs with the specific source, such as Mic, each Input, Fader, Equalizer, and Trim, input that specific source for checking.	The customer complain must not be reappeared. Audio and operations must be normal.
3	Check the analog audio input (Check the Channel 1, 2, MIC and AUX.) (Make the analog connections with CDJ player, analog player and MIC.)	Audio and operations must be normal.
4	Check the analog audio output (MASTER1 and 2.) (Make the analog connection with CDJ player.)	Audio and operations must be normal.
5	Check the headphones output.	There must be no errors, such as noise, in the audio output.
6	Check playback, using the fader function. (Select the fader function then check operations of each channel with audio signals.)	There must be no errors in audio output and operations of each channel.
7	Check the buttons.	Make sure that all buttons on the main unit function properly.
8	Check the LEDs.	Check that all the LEDs light in Test mode.
9	Check the user settings.	They must be returned to those set before repair.
10	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding audio.

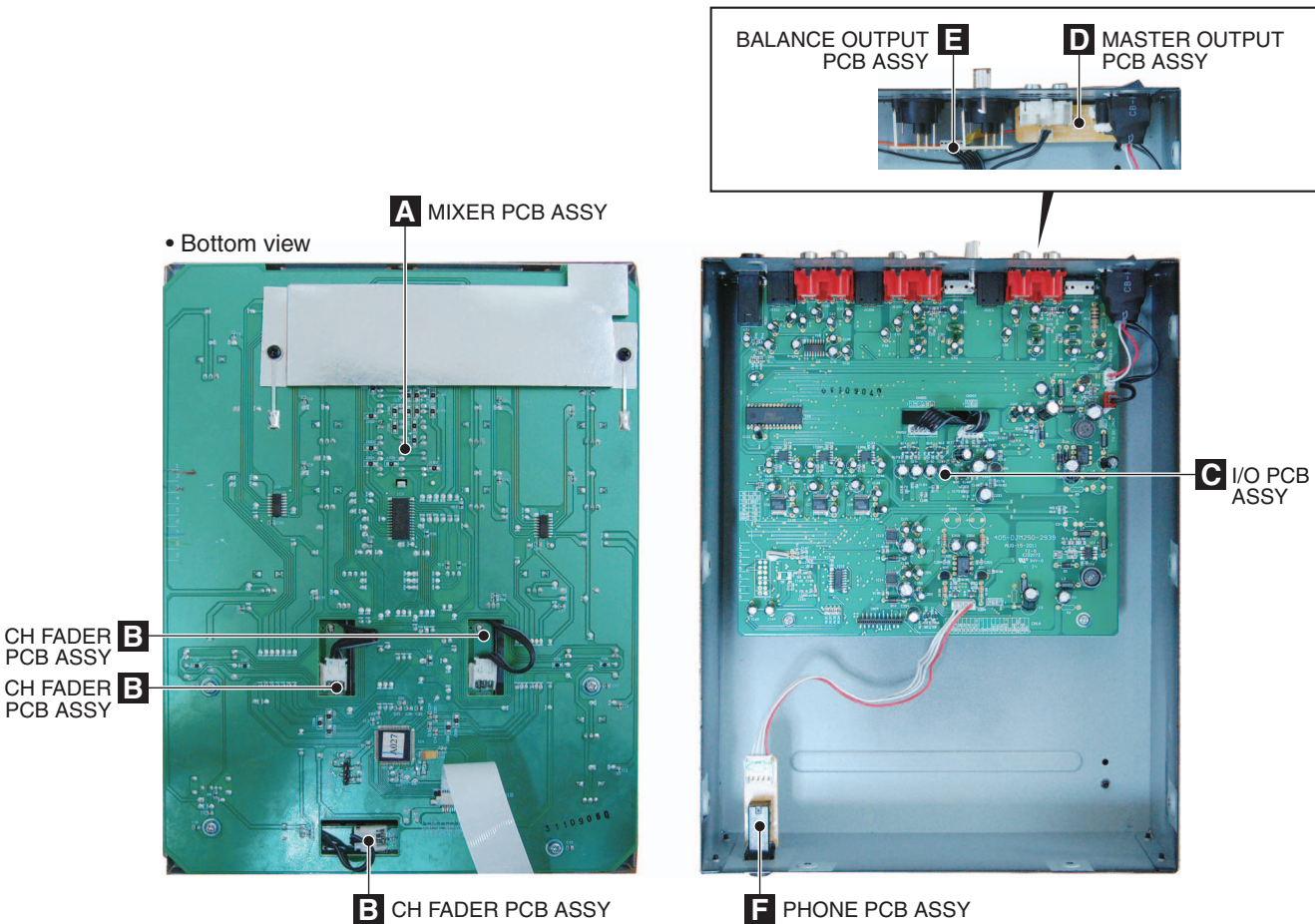
Item to be checked regarding audio
Distortion
Noise
Volume too low
Volume too high
Volume fluctuating
Sound interrupted

3.2 JIGS LIST

Lubricants and Glues List



Name	Part No.	Remarks
Adhesive	GYL1001 (ThreeBond: 1401B)	Refer to "7. DISASSEMBLY".
Adhesive	—— (Sony Chemical&Information Devic: SC608Z2)	Refer to "7. DISASSEMBLY".
Adhesive	GYL1005 (CEMEDINE: 575)	Refer to "7. DISASSEMBLY".



NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
● The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts of identical designation.

Mark No.	Description	Part No.
LIST OF ASSEMBLIES		
1..	MIXER PCB ASSY	704-DJM250-A026-HA
1..	CH FADER PCB ASSY	704-DJM250-A032-HA
1..	I/O PCB ASSY	704-DJM250-A028-HA
1..	MASTER OUTPUT PCB ASSY	704-DJM250-A031-HA
1..	BALANCE OUTPUT PCB ASSY	704-DJM250-A029-HA
1..	PHONE PCB ASSY	704-DJM250-A030-HA

1234

4. BLOCK DIAGRAM

4.1 OVERALL CONNECTION DIAGRAM

A

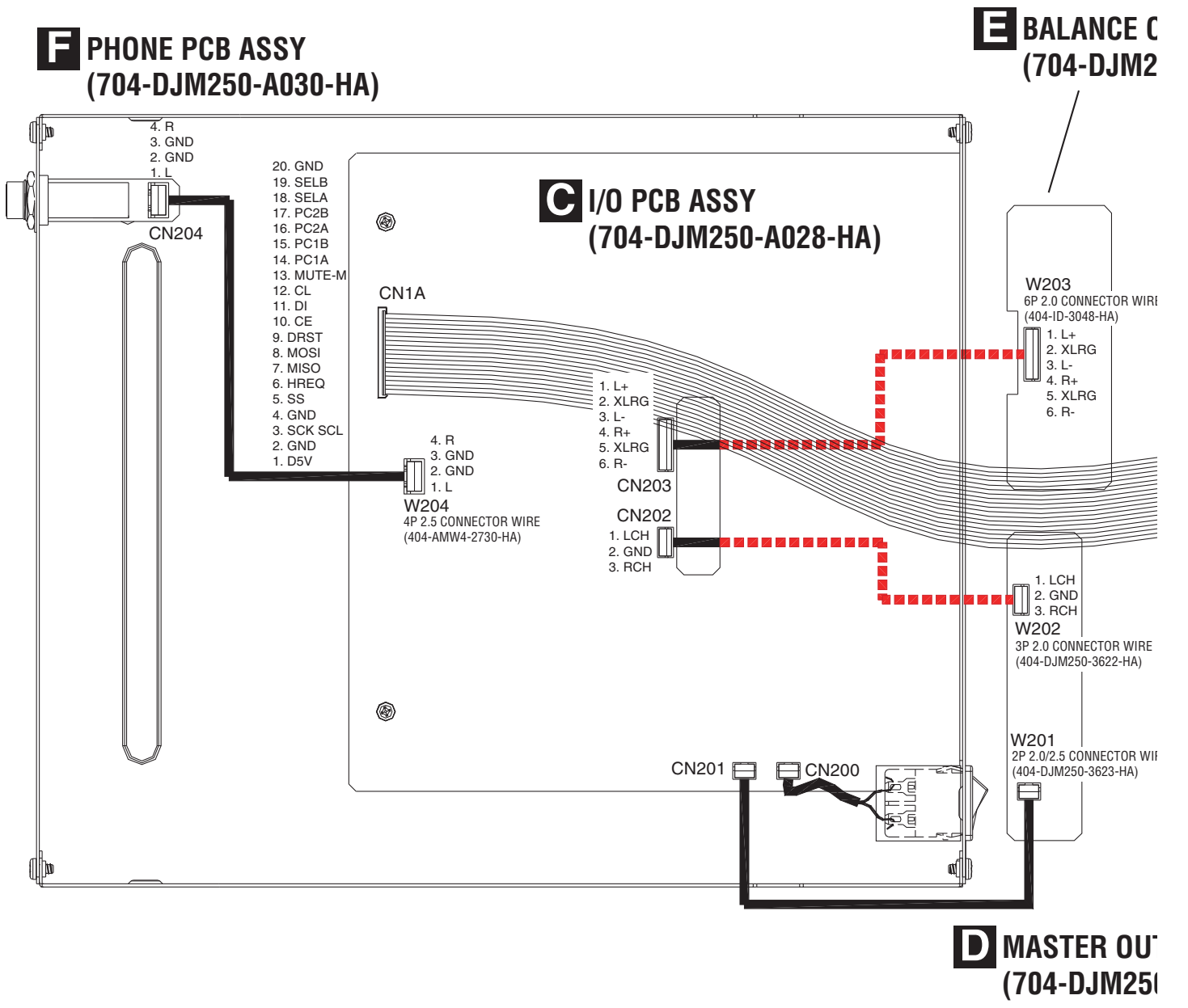
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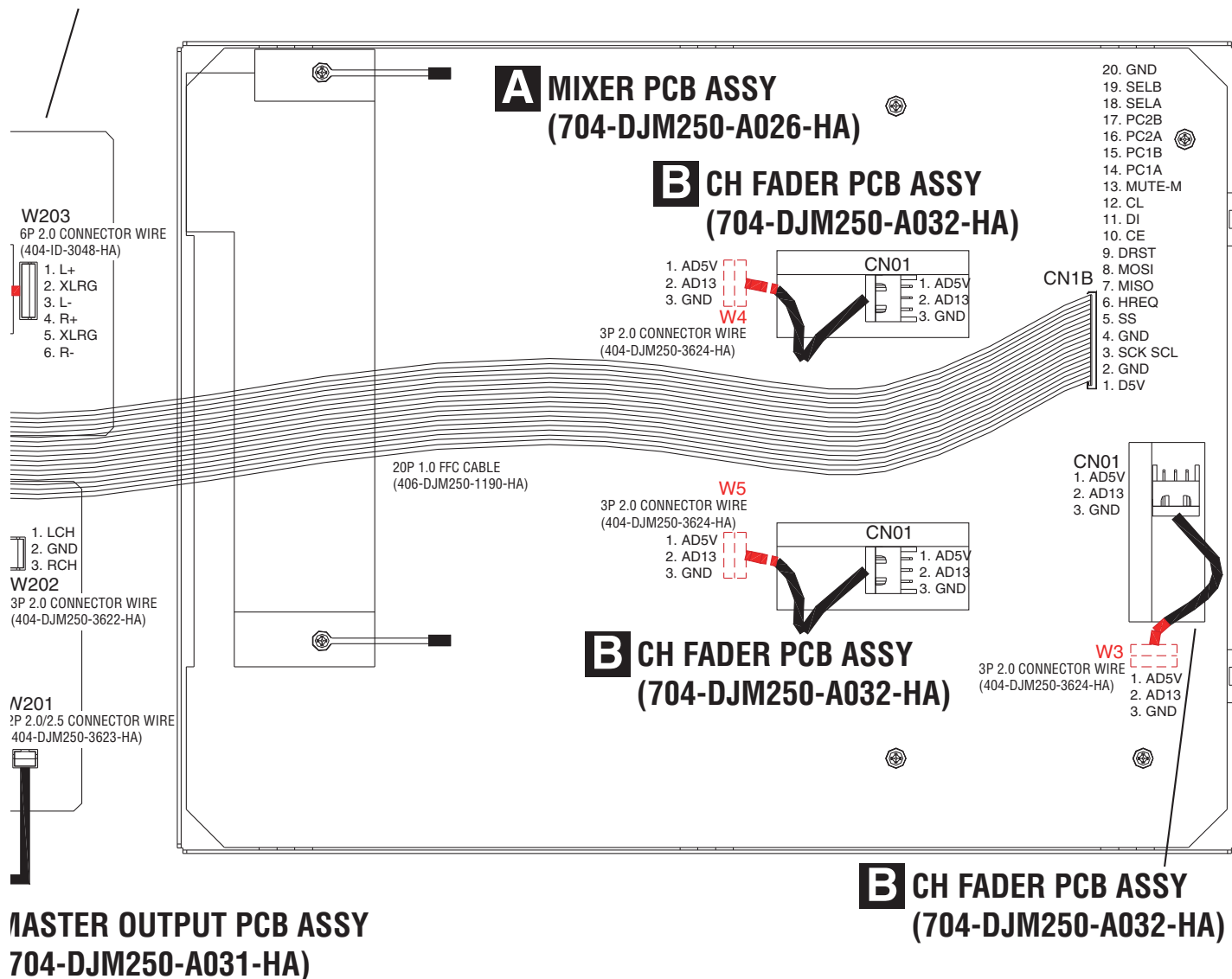
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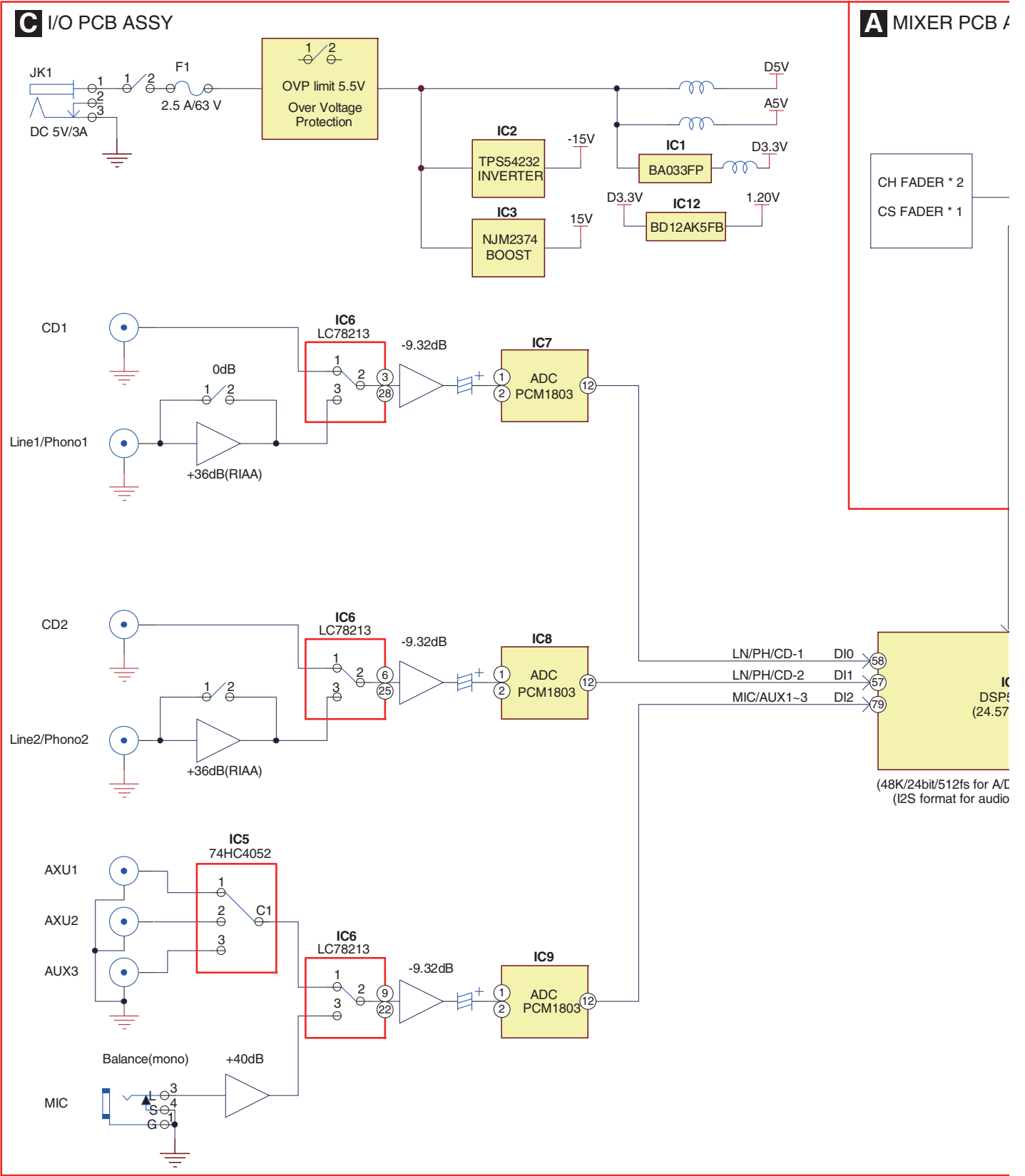
BALANCE OUTPUT PCB ASSY (704-DJM250-A029-HA)



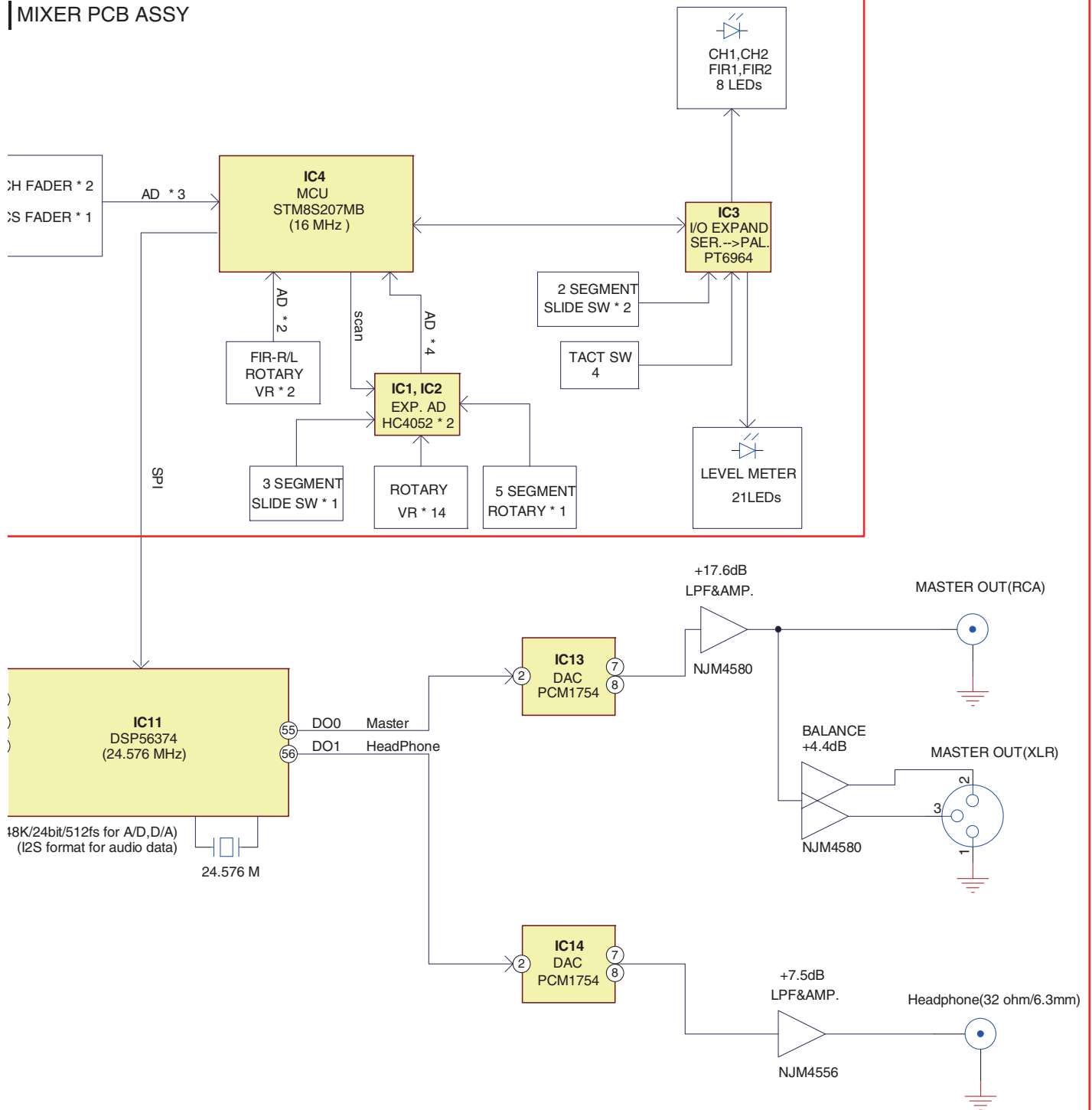
- When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".
- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
-  : The power supply is shown with the marked box.

4.2 OVERALL BLOCK DIAGRAM

A
B
C
D
E
F



MIXER PCB ASSY



4.3 POWER BLOCK DIAGRAM

A

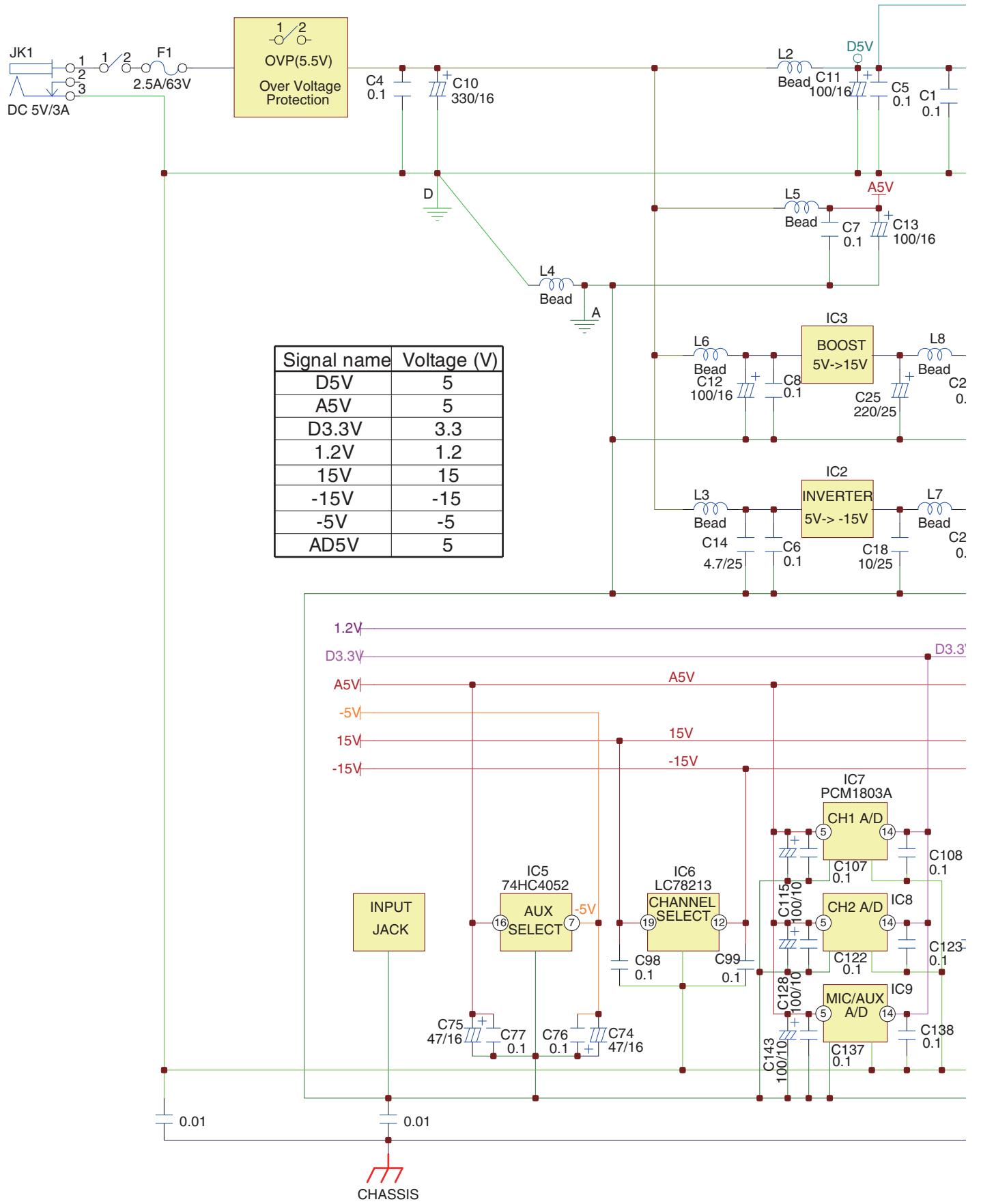
B

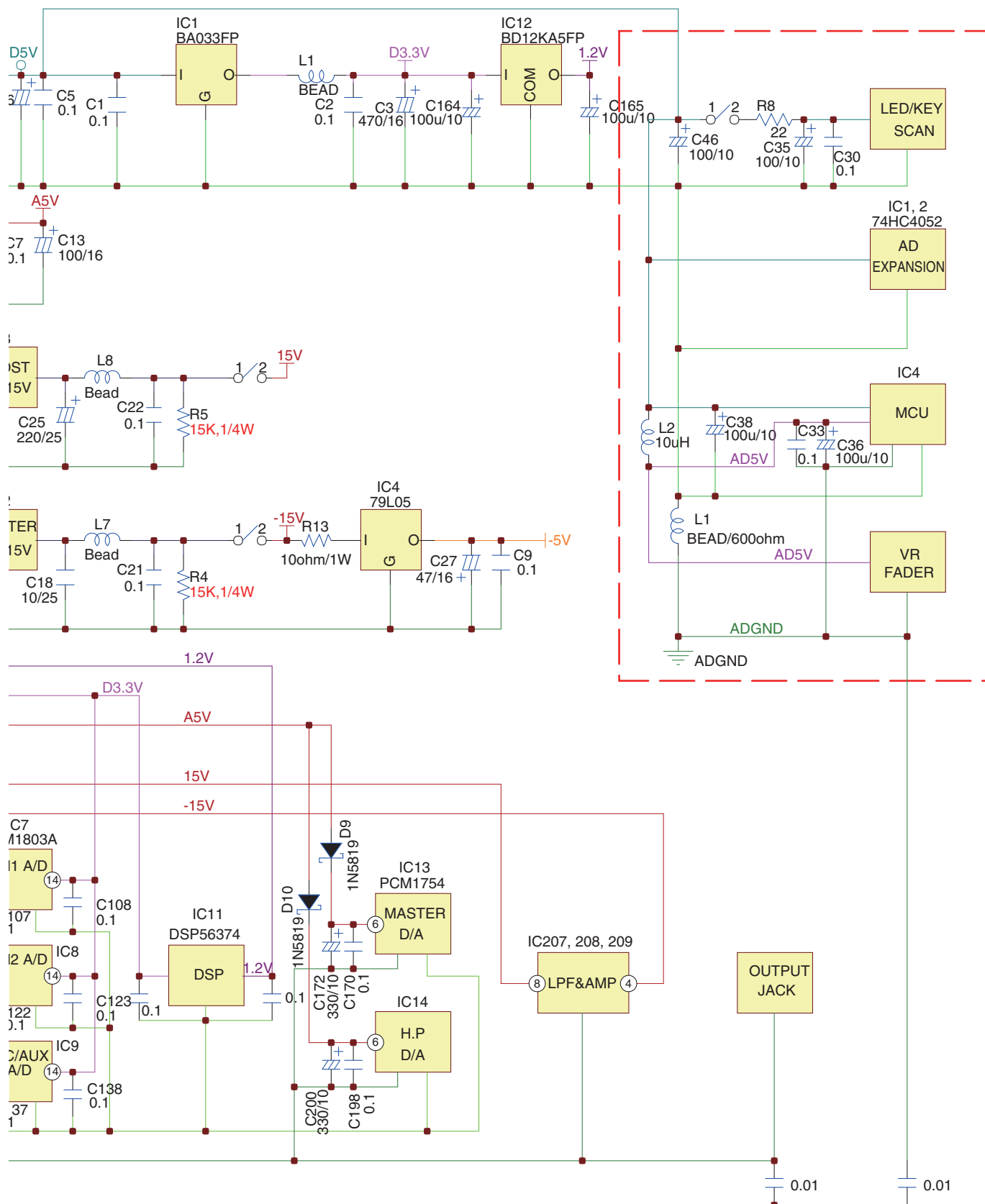
C

D

E

F





5. DIAGNOSIS

5.1 TROUBLESHOOTING

1 Power failure

Symptom: The Master and Channel level indicator LEDs does not flash and SOUND COLOR FILTER indicatorLED does not light.

Status of the product: A power device or power circuit failure

Diagnostic procedure:

1. Unplug the AC power cord.
2. Measure if terminals of capacitor C10, C213 and C242 is short.
3. Measure if AC adapter is DC 5 V input.
4. Plug in the AC power cord, check the positive voltage of C10:
 - A. If it is not, check if Q28, Q29 and IC15 is failure.
 - B. If it is 5 V, check each DC voltage, measure C11 positive to ground is +5 V
C13 positive to ground is +5 V, C3 positive to ground is +3.3 V, C27 negative to ground is -5 V
C222 positive to ground is +15 V, C223 negative to ground is -15 V

2 Audio is not output

Symptom: Audio is not output

Diagnostic procedure:

1. Is a signal input to the ADC?
IC7: CH1, IC8: AUX and MIC, IC9: CH2 → Pin 1 and Pin 2
 - A. If it is not, something is wrong with the analog -circuit block. Check if IC6 audio switch is normal.
Check if OPA (IC200, IC204: CH1, IC203, IC206: CH2, IC201, IC211, IC205: AUX and MIC) is working normally.
 - B. If it is, something is wrong with the digital -circuit block.
Check if there is CLOCK signal for IC7, IC8, IC9 → Pin 10, Pin 11, Pin 12 and Pin 15
2. Is a signal output from the ADC?
IC13: MASTER, IC14: HP → Pin 7 and Pin 8
 - A. If it is, something is wrong with the analog -circuit block.
Check if output amplifier (IC207, IC208: MASTER, IC209: HP) is working normally.
Check if each MUTE transistor (Q12 to Q16 and Q30 to Q31: MASTER, Q18 to Q21: HP) Base Pin is -15 V.
 - B. If it is not, something is wrong with the digital -circuit block.
Check if there is CLOCK signal for IC13, IC14 → Pin 1, Pin 2, Pin 3 and Pin 16

3 CD, PHONO/LINE input selector switch on the front panel can not be switched

Symptom: The CD and PHONO/LINE inputs cannot be switched.

Diagnostic procedure:

1. While CD and PHONO/LINE input is normal, the SW1: CH1, SW2: CH2 or audio switch IC6 may be in failure.

4 PHONO/LINE selector switch can not be switched

Symptom: The PHONO/LINE inputs cannot be switched.

Diagnostic procedure:

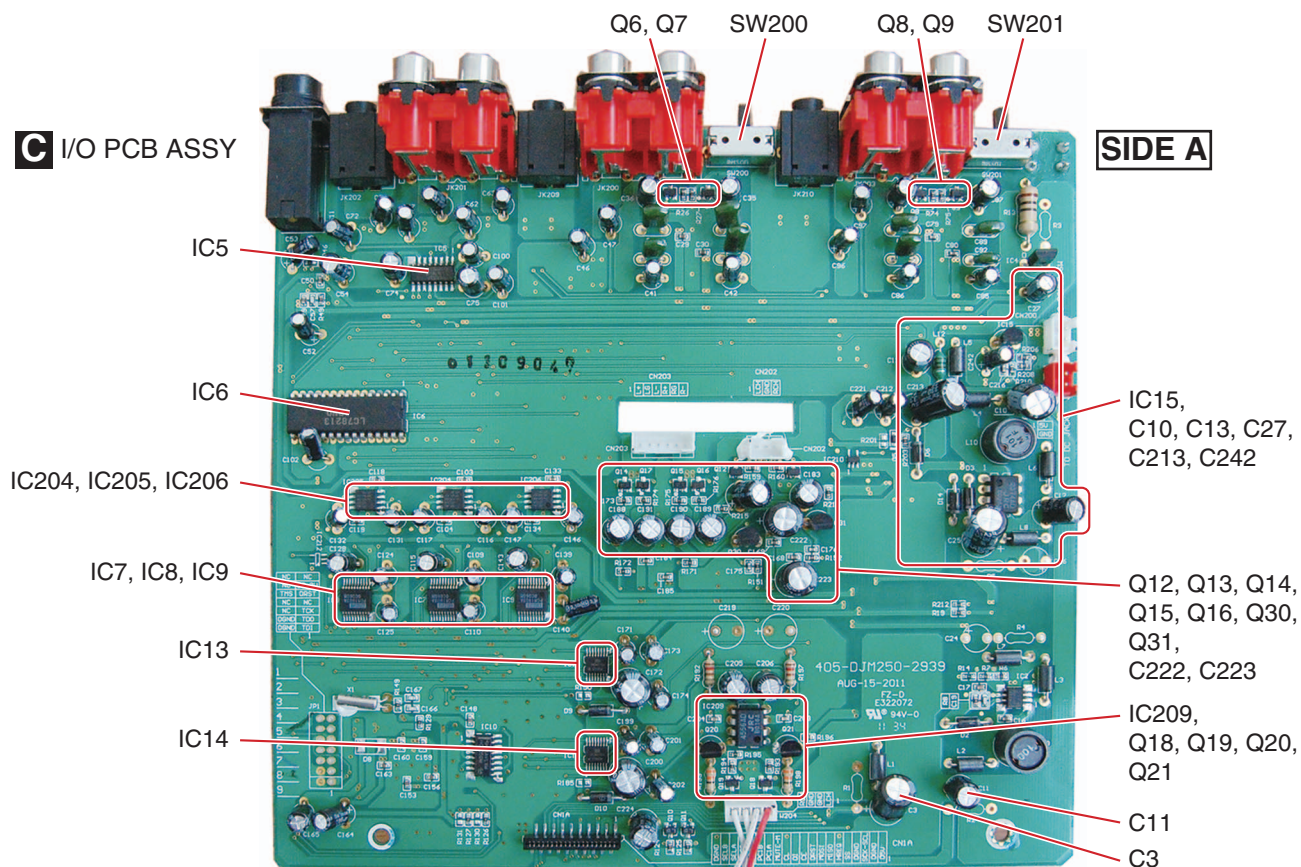
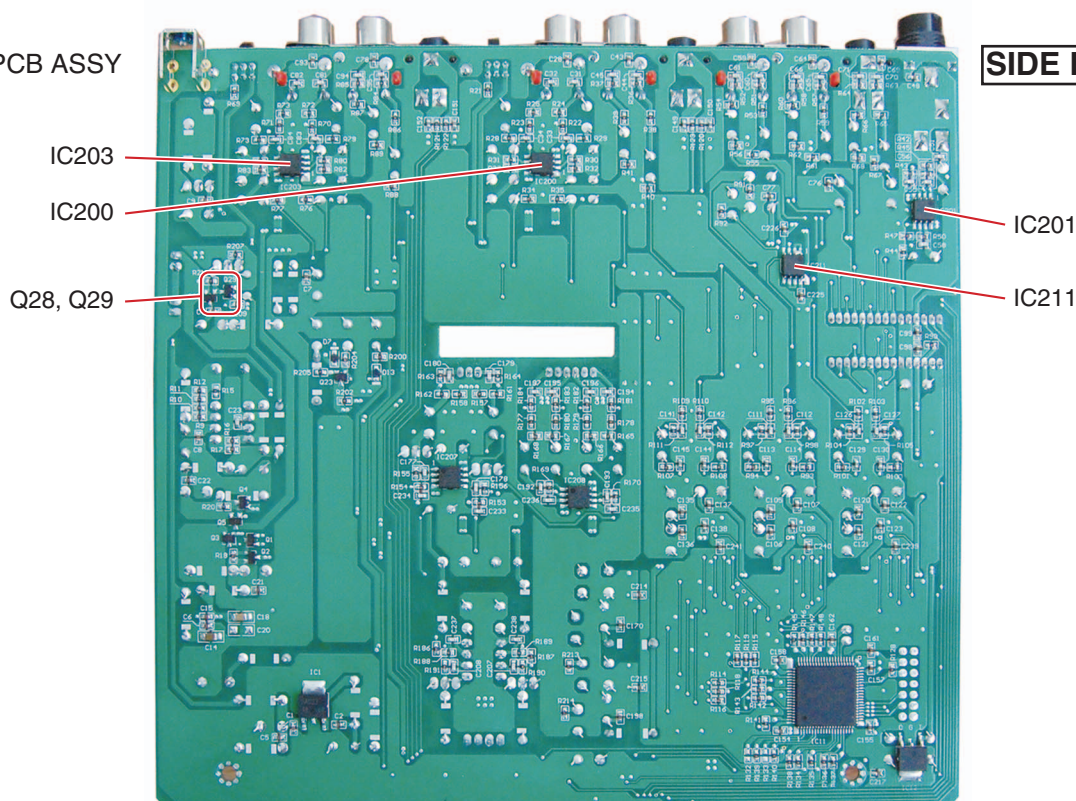
1. While PHONO/LINE input is normal, the SW200: CH1, SW201: CH2 or Q6, Q7: CH1, Q8, Q9: CH2 may be in failure.

5 MIC, OFF, AUX 1, AUX 2, AUX 3 input selector switch can not be switched

Symptom: The MIC, OFF, AUX 1, AUX 2, AUX 3 inputs cannot be switched.

Diagnostic procedure:

1. While MIC and AUX input is normal, the section switch SW7 or audio switch IC5 and IC6 may be in failure.

C I/O PCB ASSY**SIDE A****C** I/O PCB ASSY**SIDE B**

A

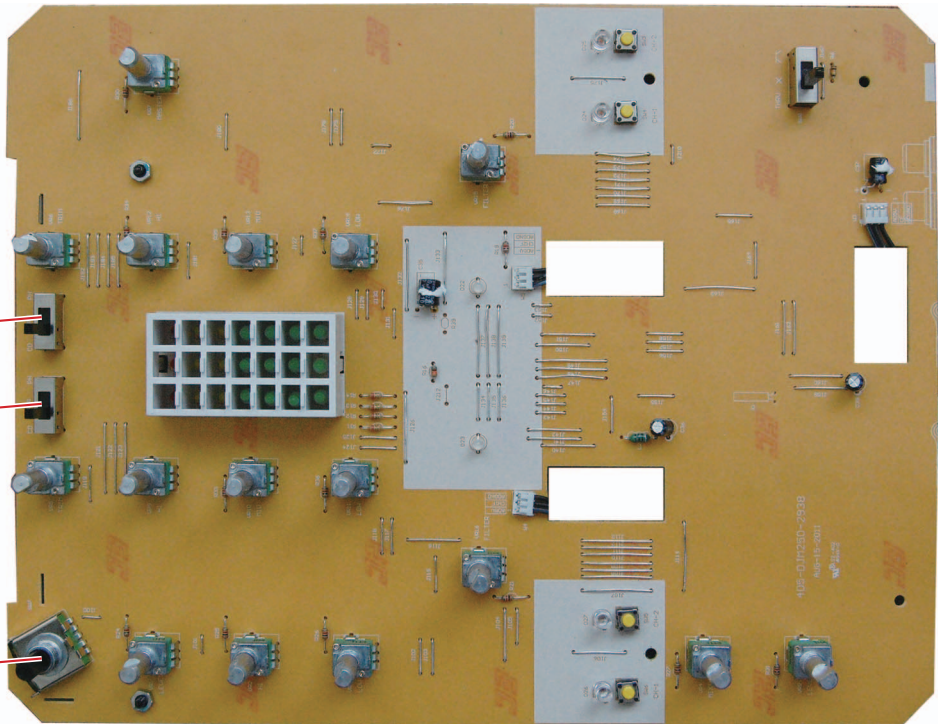
A MIXER PCB ASSY

SIDE A

SW2

SW1

SW7



B

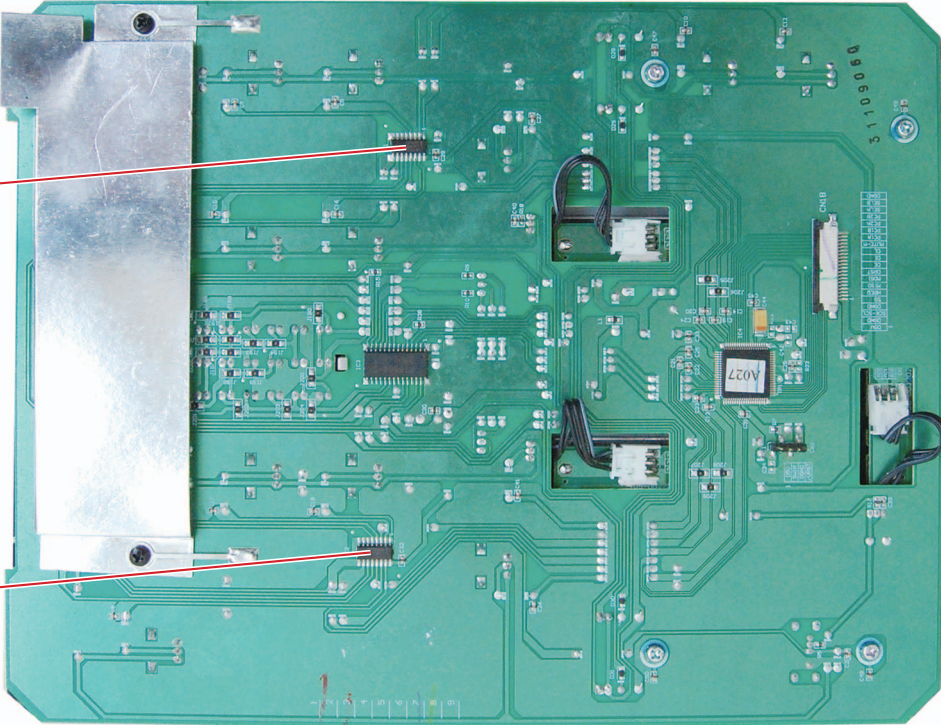
C

A MIXER PCB ASSY

SIDE B

IC1

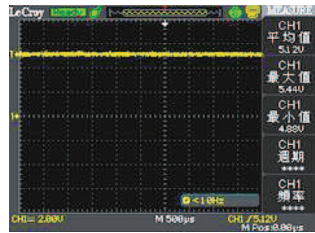
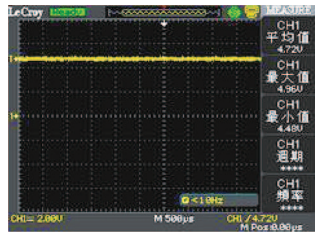
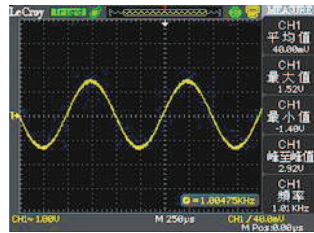
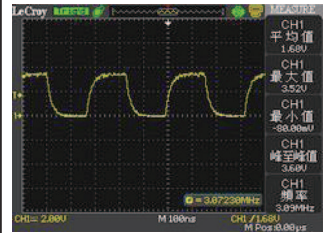
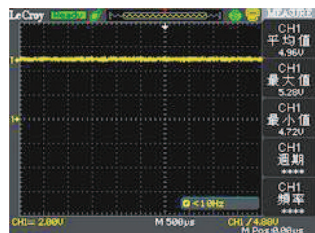
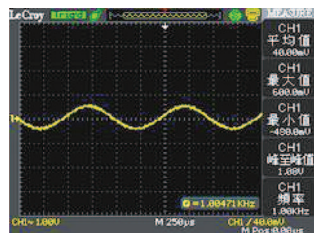
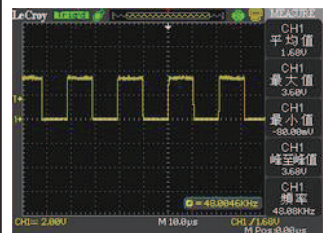
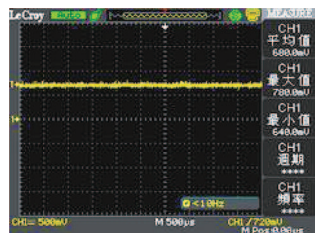
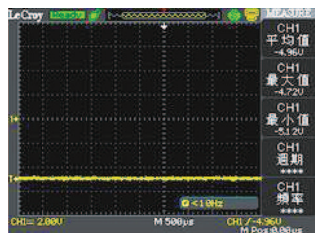
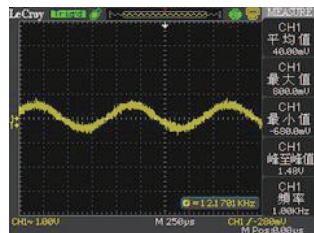
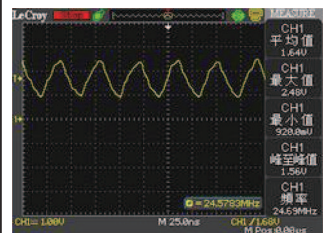
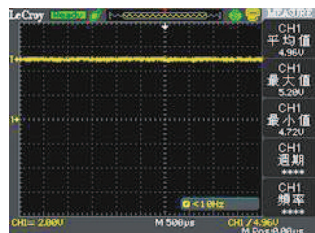
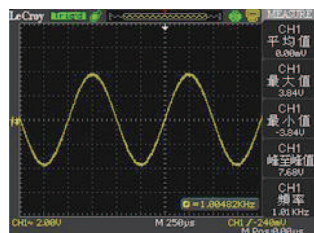
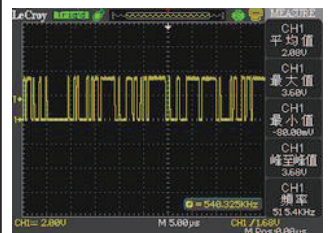
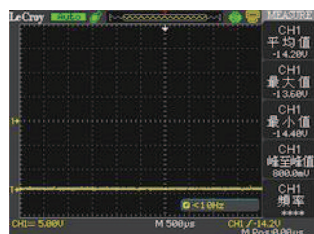
IC2



D

E

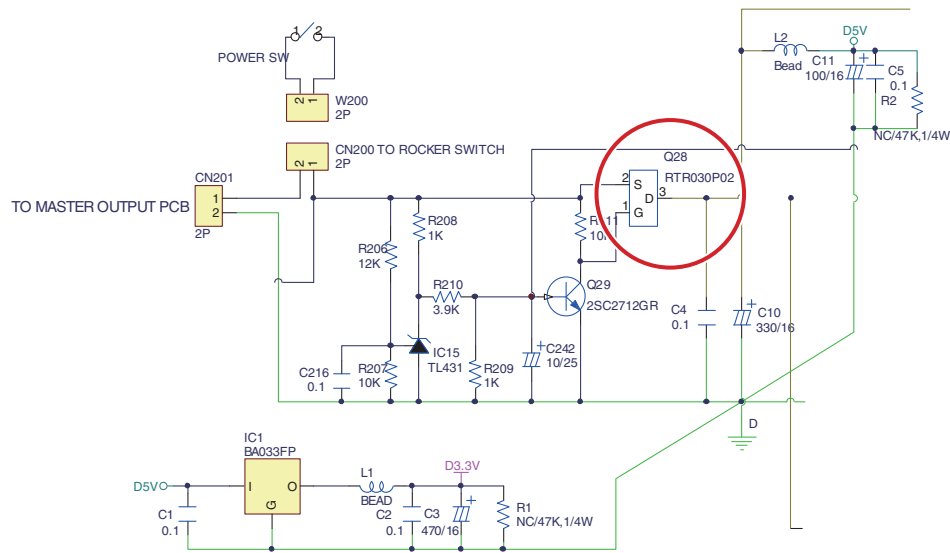
F

1-1 DC 5 V AC Adapter**1-6** C13**2-1** CD / IC6 - Pin 1, 3, 28, 30**2-6** ADC Pin 11 ; DAC Pin 1**1-2** C10**1-7** C3**2-2** ADC / IC7 to IC9 - Pin 1, 2**2-7** ADC Pin 10 ; DAC Pin 3**1-3** C242**1-8** C27**2-3** DAC / IC13, IC14 - Pin 7, 8**2-8** ADC Pin 15 ; DAC Pin 16**1-4** C213**1-9** C222**2-4** IC207 to IC209 - Pin 1, 7**2-9** ADC Pin 12 ; DAC Pin 2**1-5** C11**1-10** C223**2-5** Q12 to Q17, Q30, Q31, Q18 to Q21 Base Pin**3-1** SW1, SW2

5.2 PROTECTION CIRCUIT

A When DC input voltage is over 5.5 V or under 3.5 V (+/- 5%), a protection circuit works, and the product will perform shut down.

C I/O PCB ASSY



6. SERVICE MODE

6.1 TEST MODE

Set the CD, PHONO/LINE input selector switches to "CD" position .

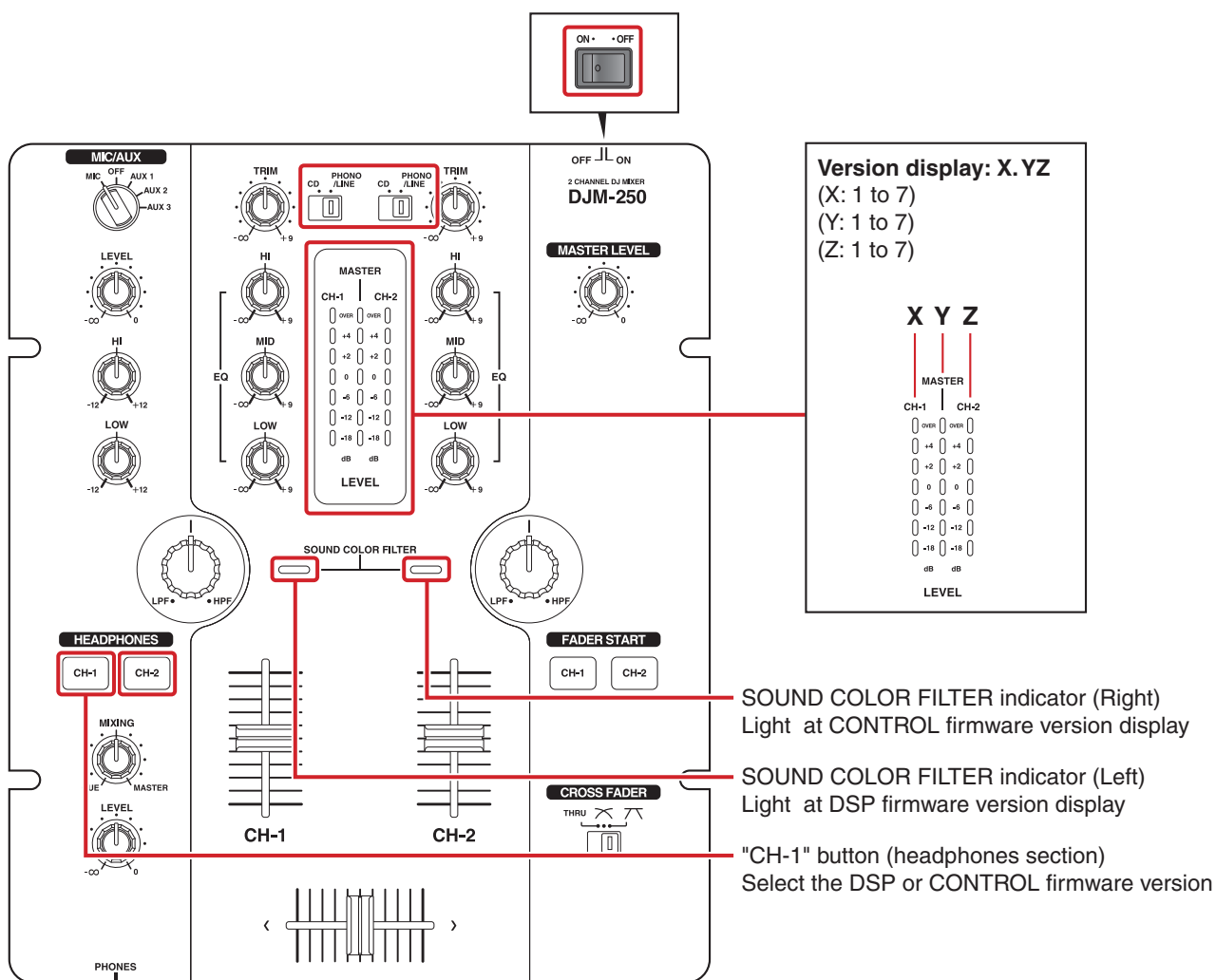
a: All LED Turn On Mode:

- ① Press the "CH-2" button (headphones section) before turn on the "ON/OFF" switch.

b: Show Firmware Version Mode:

- ① Press the "CH-1" button (headphones section) before turn on the "ON/OFF" switch.
- ② When the "CH-1" button (headphones section) is pressed again, the firmware version will be changed to DSP or CONTROL.

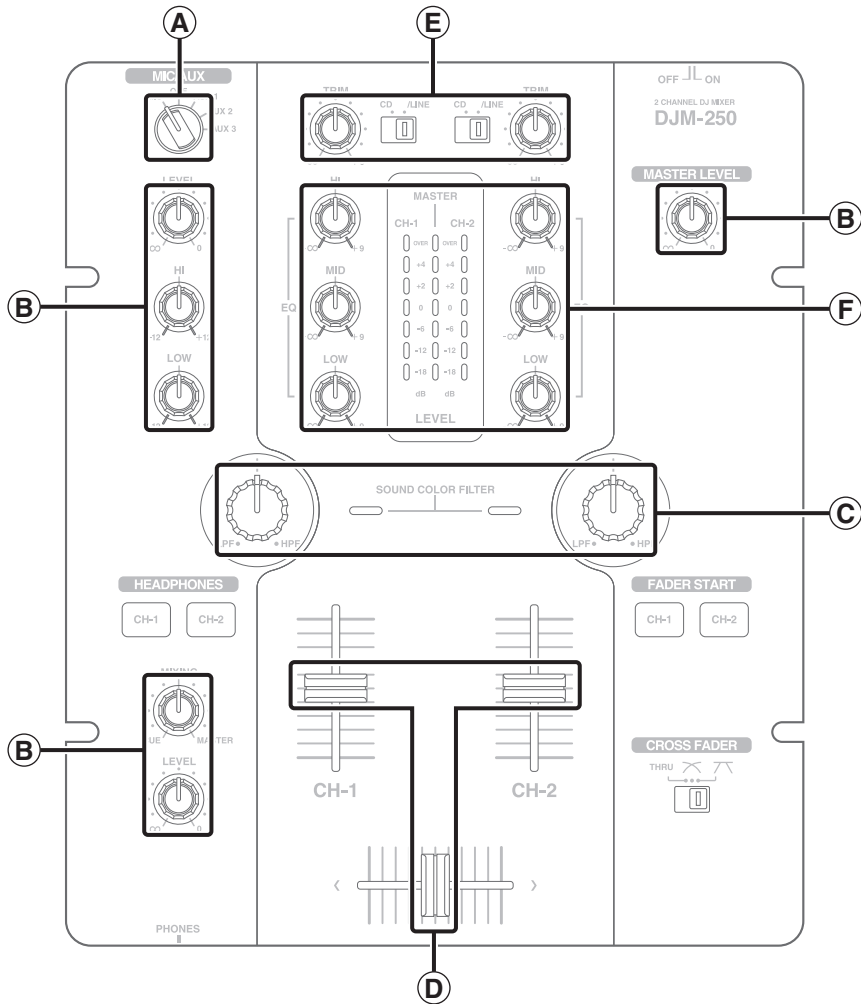
* The firmware version is shown in Master level indicator and Channel level indicator.



7. DISASSEMBLY

Note: Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

Knobs and Volumes Location



- A

Band Rotational Knob
(100-DJM100-2873-HA) ×1

White

Black

B

Rotary Knob
(100-DJM250-2826-HA) ×6

White

Gray

White

C

Filter Knob
(100-DJM100-2874-HA) ×2

White

Gray

D

Push Button
(100-33-2824-HA) ×3

White

Black
- E

DJM-250-W
Rotary Knob
(100-DJM250-2826-HA) ×2

White

Black

White

F

DJM-250-K
Rotary Knob
(100-DJM100-2826-HA) ×2

White

Gray

White

F

DJM-250-W
Rotary Knob
(100-DJM100-2826-HA) ×6

White

Gray

White

F

DJM-250-K
Rotary Knob
(100-DJM250-2826-HA) ×6

White

Black

White

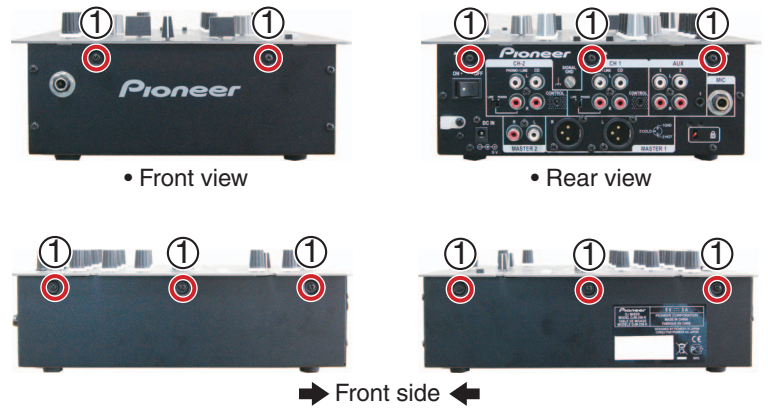
20

DJM-250-W

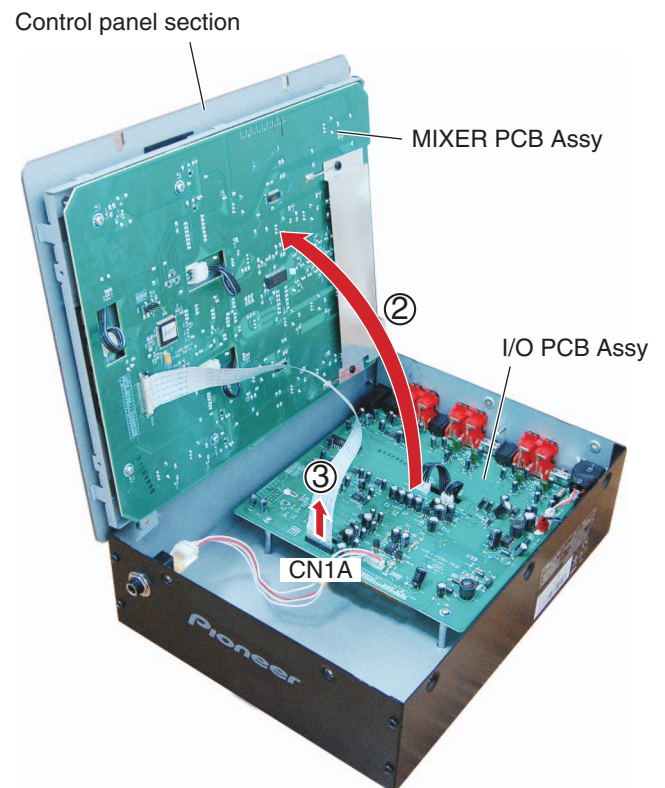
Disassembly

[1] Control Panel Section

- (1) Remove the 11 screws.
(602-QMX2BPM-322-HA)



- (2) Remove the control panel section.
(3) Disconnect the one flexible cable. (CN1A)



A [2] I/O, MASTER OUTPUT, BALANCE OUTPUT PCB Assemblies

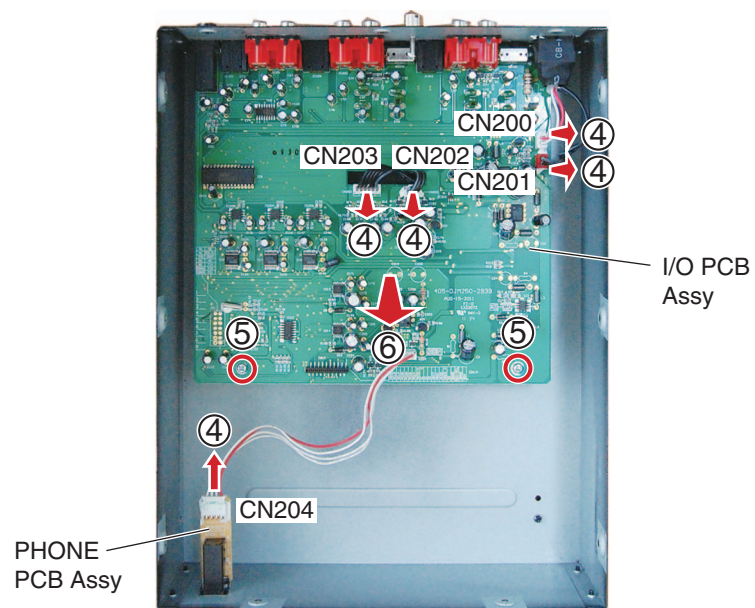
- (1) Remove the one nut and one washer.
- (2) Remove the three screws.
(602-DJ5500-452-HA)
- (3) Remove the one screw.
(602-MP3-324-HA)



• Rear view

B

- (4) Disconnect the five connectors.
(CN200 to CN204)
- (5) Remove the two screws.
(602-B300-041-HA)
- (6) Remove the I/O PCB Assy.



C

D

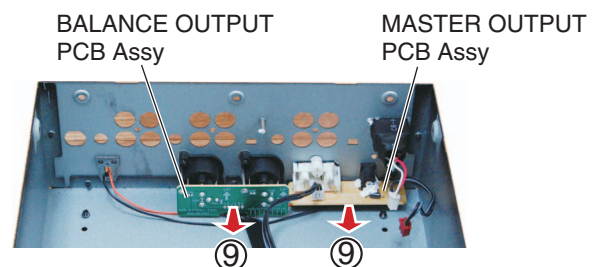
- (7) Remove the five screws.
(602-DJ5500-452-HA)
- (8) Remove the one screw.
(602-MP3-324-HA)



• Rear view

E

- (9) Remove the MASTER OUTPUT and BALANCE OUTPUT PCB Assemblies.

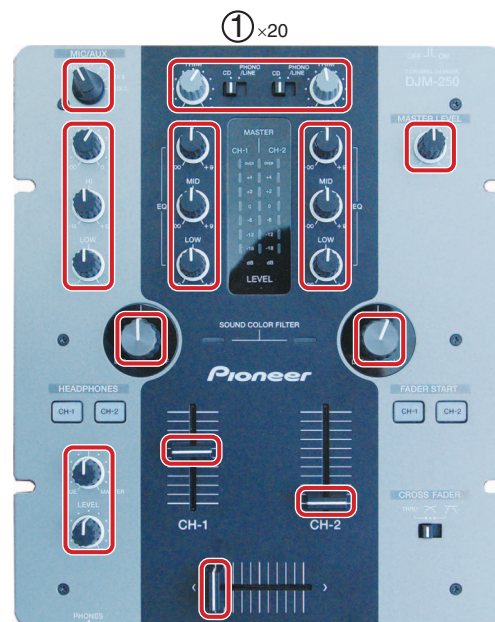


F

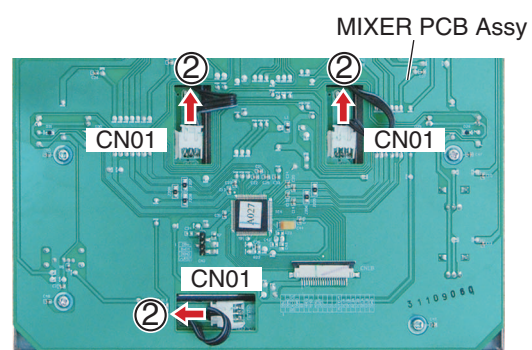
[3] MIXER and CH FADER PCB Assemblies

[3-1] CH FADER PCB Assy

(1) Remove the all knobs.

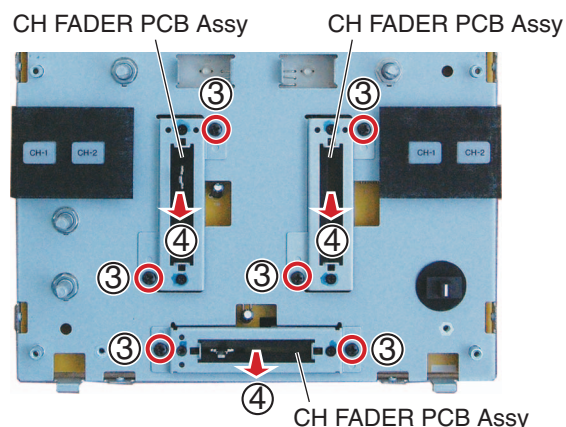


(2) Disconnect the three connectors.
(CN01)



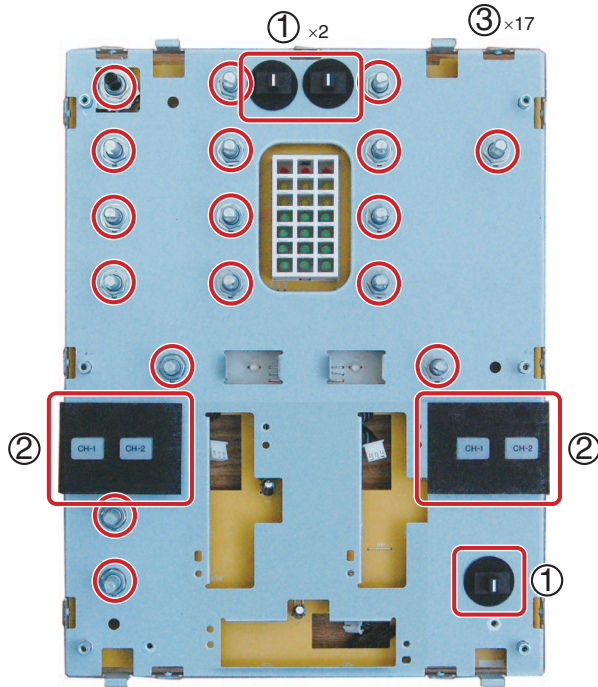
• Bottom view

- (3) Remove the six screws.
(602-QMX2BPM-322-HA)
- (4) Remove the three CH FADER Assemblies
with stay.



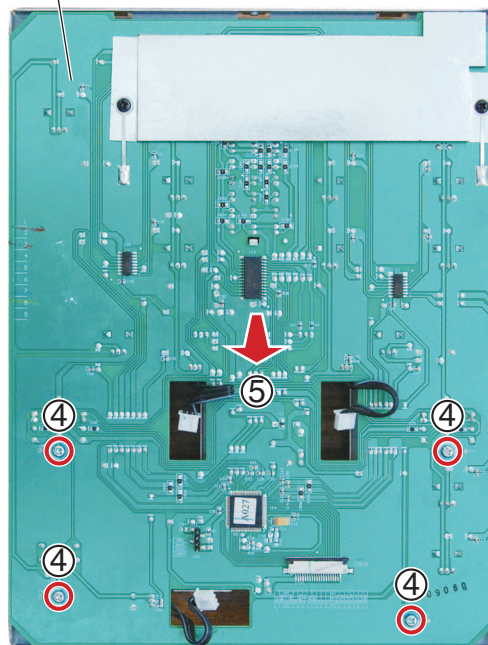
A [3-2] MIXER PCB Assy

- (1) Remove the three push buttons and three non-woven fabrics.
- (2) Remove the two cushions.
- (3) Remove the 17 nuts and 17 washers.

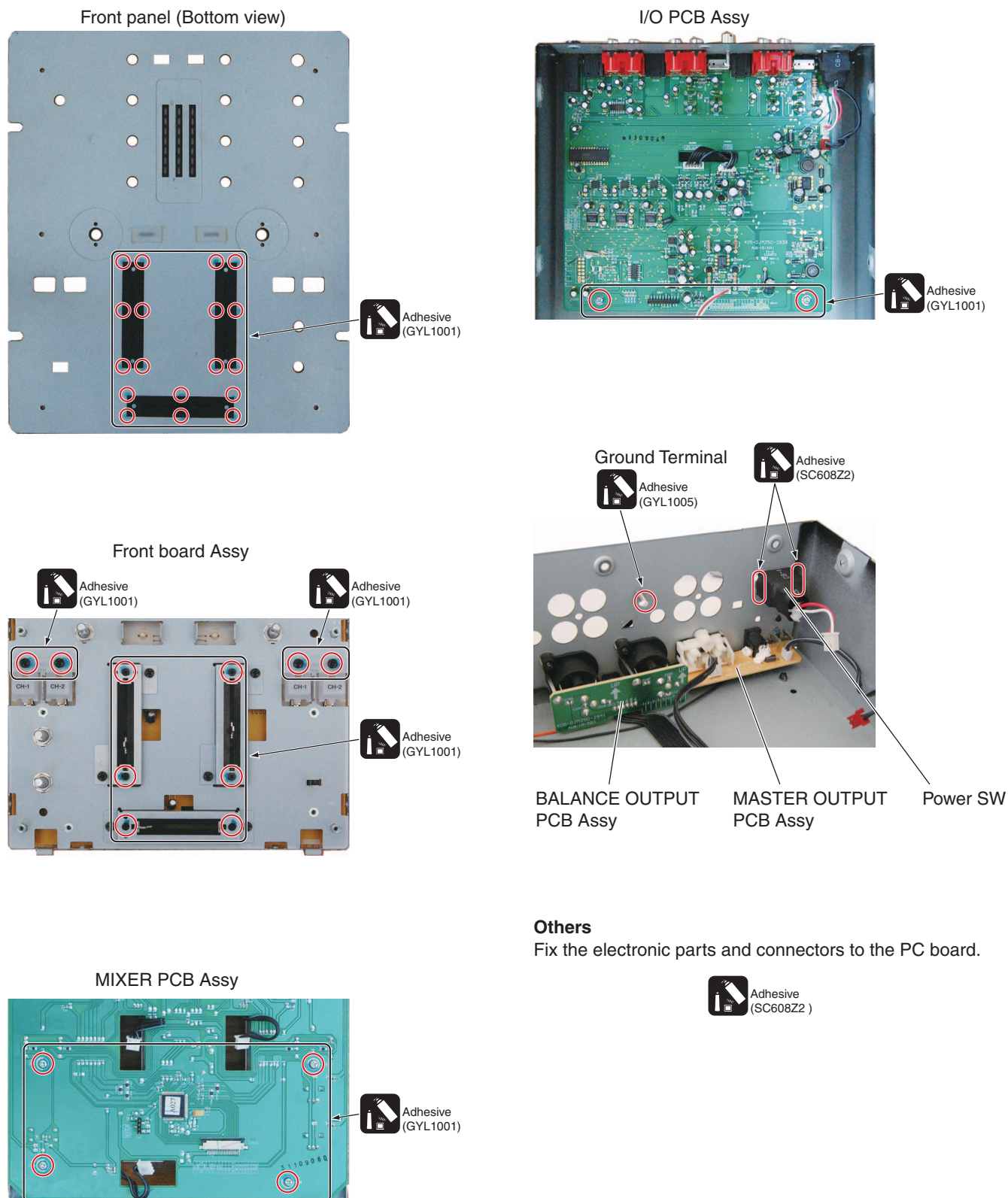


- (4) Remove the four screws. (602-B300-041-HA)
- (5) Remove the MIXER PCB Assy.

MIXER PCB Assy



The Application Position of Adhesive



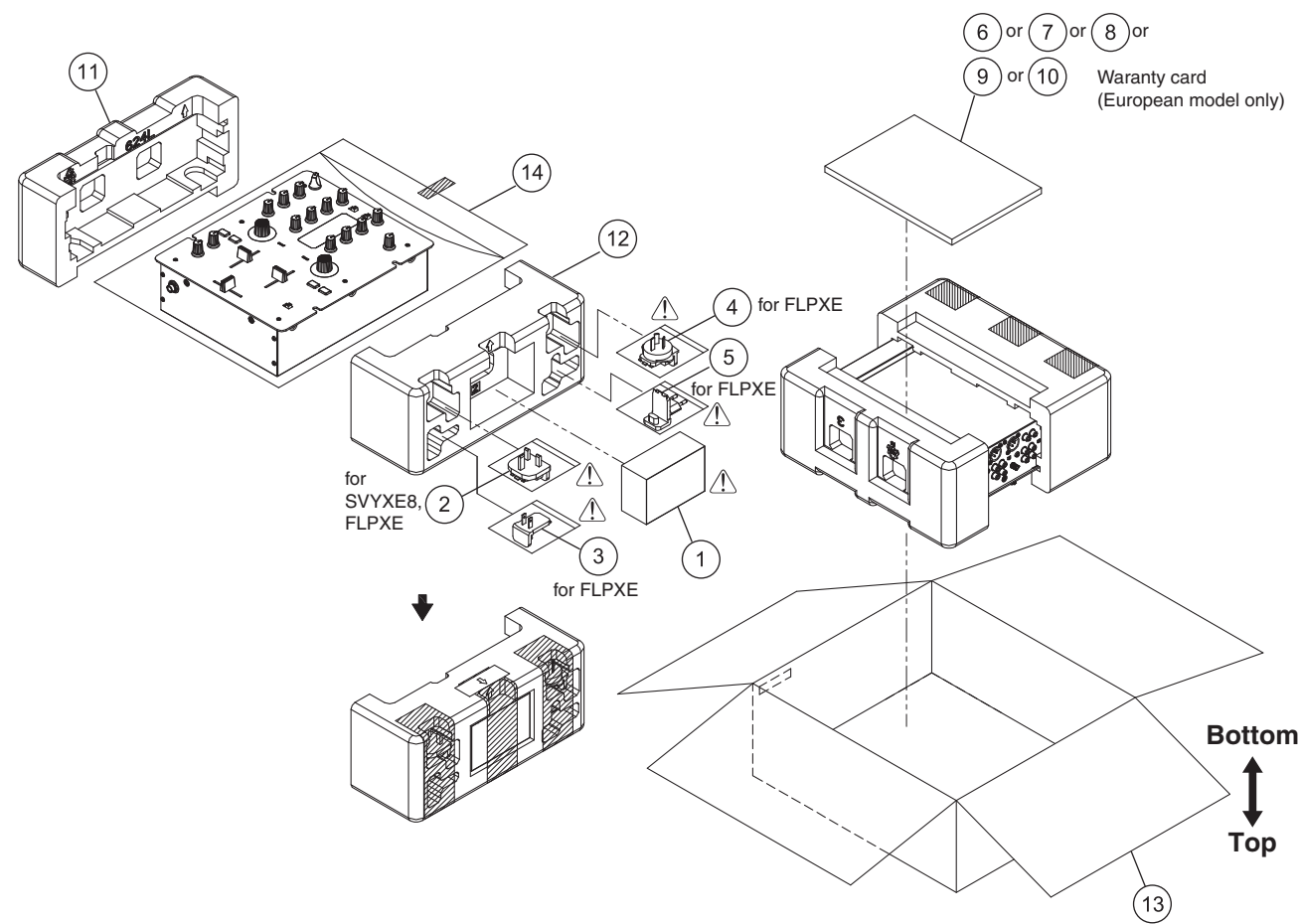
8. EACH SETTING AND ADJUSTMENT

There is no information to be shown in this chapter.

9. EXPLODED VIEWS AND PARTS LIST

- NOTES:
- Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
 - The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - Screws adjacent to ▼ mark on product are used for disassembly.
 - For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)

9.1 PACKING SECTION



(1) PACKING SECTION PARTS LIST

Mark No.	Description	Part No.
⚠ 1	AC Adapter	See Contrast table (2)
⚠ 2	Power Plug	See Contrast table (2)
⚠ 3	Power Plug	See Contrast table (2)
⚠ 4	Power Plug	See Contrast table (2)
⚠ 5	Power Plug	See Contrast table (2)
6	Operating Instructions	See Contrast table (2)
7	Operating Instructions	See Contrast table (2)
8	Operating Instructions	See Contrast table (2)
9	Operating Instructions	See Contrast table (2)
10	Operating Instructions	See Contrast table (2)
11	Polyfoam L	See Contrast table (2)
12	Polyfoam R	See Contrast table (2)
13	Gift Box	See Contrast table (2)
14	Soft Bag	509-DJM250-109-HA

(2) CONTRAST TABLE

DJM-250-W/SVYXE8, UXECB, FLPXE, KXE5, AXE5, DJM-250-K/SVYXE8, UXECB, FLPXE, KXE5 and AXE5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-250-W /SVYXE8	DJM-250-W /UXECB	DJM-250-W /FLPXE	DJM-250-W /KXE5	DJM-250-W /AXE5
⚠	1	AC Adapter	411-DJM250-842-HA	411-DJM250-840-HA	411-DJM250-841-HA	411-DJM250-845-HA	411-DJM250-844-HA
⚠	2	Power Plug	420-DJM250-362-HA	Not used	420-DJM250-362-HA	Not used	Not used
⚠	3	Power Plug	Not used	Not used	420-DJM250-361-HA	Not used	Not used
⚠	4	Power Plug	Not used	Not used	420-DJM250-363-HA	Not used	Not used
⚠	5	Power Plug	Not used	Not used	420-DJM250-364-HA	Not used	Not used
	6	Operating Instructions (En, Fr, De, It, Ni, Es, Ru)	502-DM250B-3136-HA	Not used	Not used	Not used	Not used
	7	Operating Instructions (En)	Not used	502-DM250A-3135-HA	Not used	Not used	Not used
	8	Operating Instructions (En, Es, Zhtw)	Not used	Not used	502-DM250F-3140-HA	Not used	Not used
	9	Operating Instructions (Ko)	Not used	Not used	Not used	502-DM250E-3139-HA	Not used
	10	Operating Instructions (Zhcn, En)	Not used	Not used	Not used	Not used	502-DM250D-3138-HA
	11	Polyfoam L	506-DJM100-624L-HA	506-DJM100-624L-HA	506-DJM100-624L-HA	506-250BKE-626L-HA	506-DJM100-624L-HA
	12	Polyfoam R	506-DJM100-624R-HA	506-DJM100-624R-HA	506-DJM100-624R-HA	506-250BKE-626R-HA	506-DJM100-624R-HA
	13	Gift Box	507-250WHB-3300-HA	507-250WHA-3300-HA	507-250WHF-3300-HA	507-250WHE-3305-HA	507-250WHD-3300-HA

Mark	No.	Symbol and Description	DJM-250-K /SVYXE8	DJM-250-K /UXECB	DJM-250-K /FLPXE	DJM-250-K /KXE5	DJM-250-K /AXE5
⚠	1	AC Adapter	411-DJM250-842-HA	411-DJM250-840-HA	411-DJM250-841-HA	411-DJM250-845-HA	411-DJM250-844-HA
⚠	2	Power Plug	420-DJM250-362-HA	Not used	420-DJM250-362-HA	Not used	Not used
⚠	3	Power Plug	Not used	Not used	420-DJM250-361-HA	Not used	Not used
⚠	4	Power Plug	Not used	Not used	420-DJM250-363-HA	Not used	Not used
⚠	5	Power Plug	Not used	Not used	420-DJM250-364-HA	Not used	Not used
	6	Operating Instructions (En, Fr, De, It, Ni, Es, Ru)	502-DM250B-3136-HA	Not used	Not used	Not used	Not used
	7	Operating Instructions (En)	Not used	502-DM250A-3135-HA	Not used	Not used	Not used
	8	Operating Instructions (En, Es, Zhtw)	Not used	Not used	502-DM250F-3140-HA	Not used	Not used
	9	Operating Instructions (Ko)	Not used	Not used	Not used	502-DM250E-3139-HA	Not used
	10	Operating Instructions (Zhcn, En)	Not used	Not used	Not used	Not used	502-DM250D-3138-HA
	11	Polyfoam L	506-DJM100-624L-HA	506-DJM100-624L-HA	506-DJM100-624L-HA	506-250BKE-626L-HA	506-DJM100-624L-HA
	12	Polyfoam R	506-DJM100-624R-HA	506-DJM100-624R-HA	506-DJM100-624R-HA	506-250BKE-626R-HA	506-DJM100-624R-HA
	13	Gift Box	507-DJM250B-3300-HA	507-DJM250A-3300-HA	507-DJM250F-3300-HA	507-250BKE-3305-HA	507-DJM250D-3300-HA

1 2 3 4

9.2 EXTERIOR SECTION

A

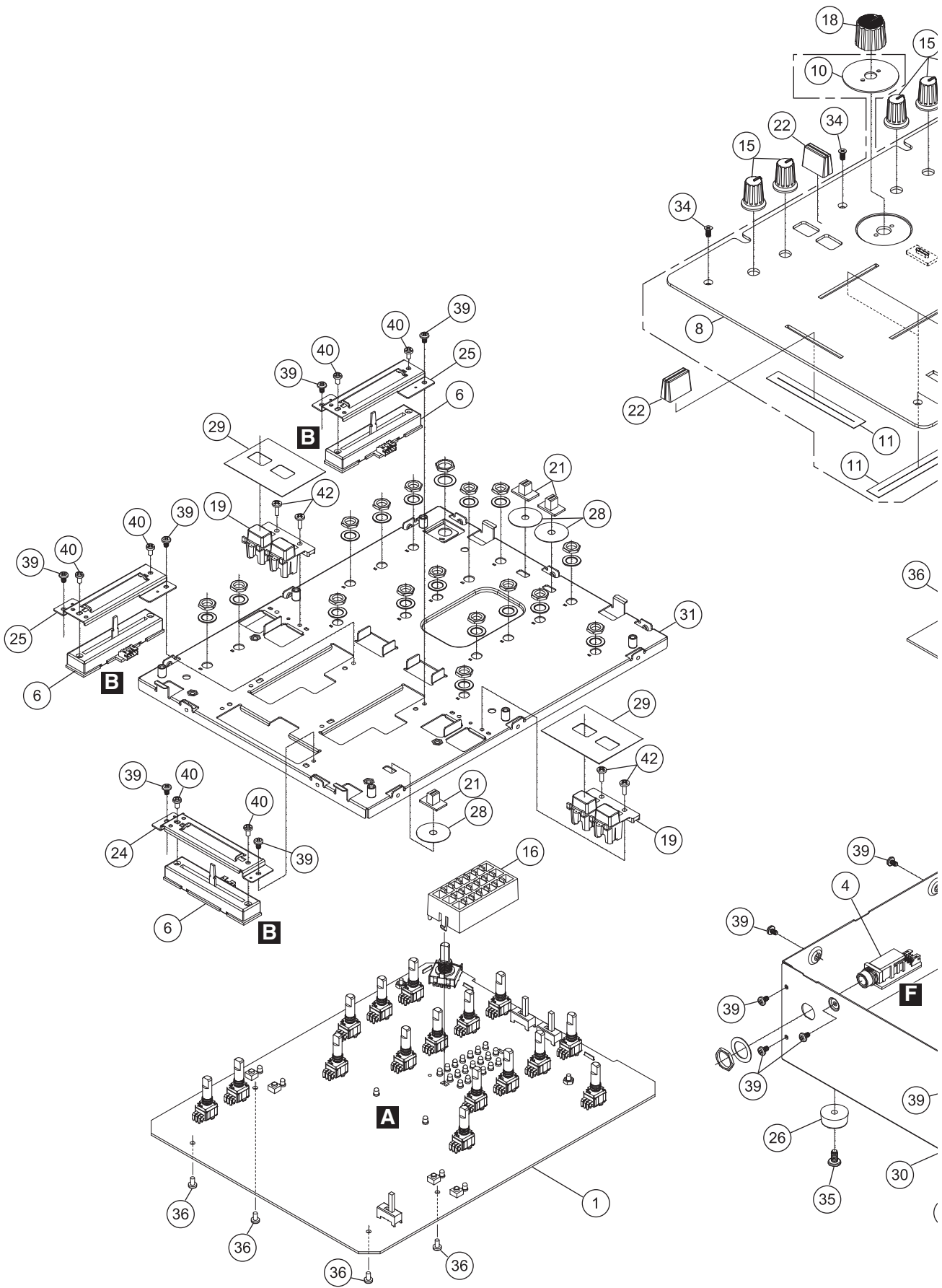
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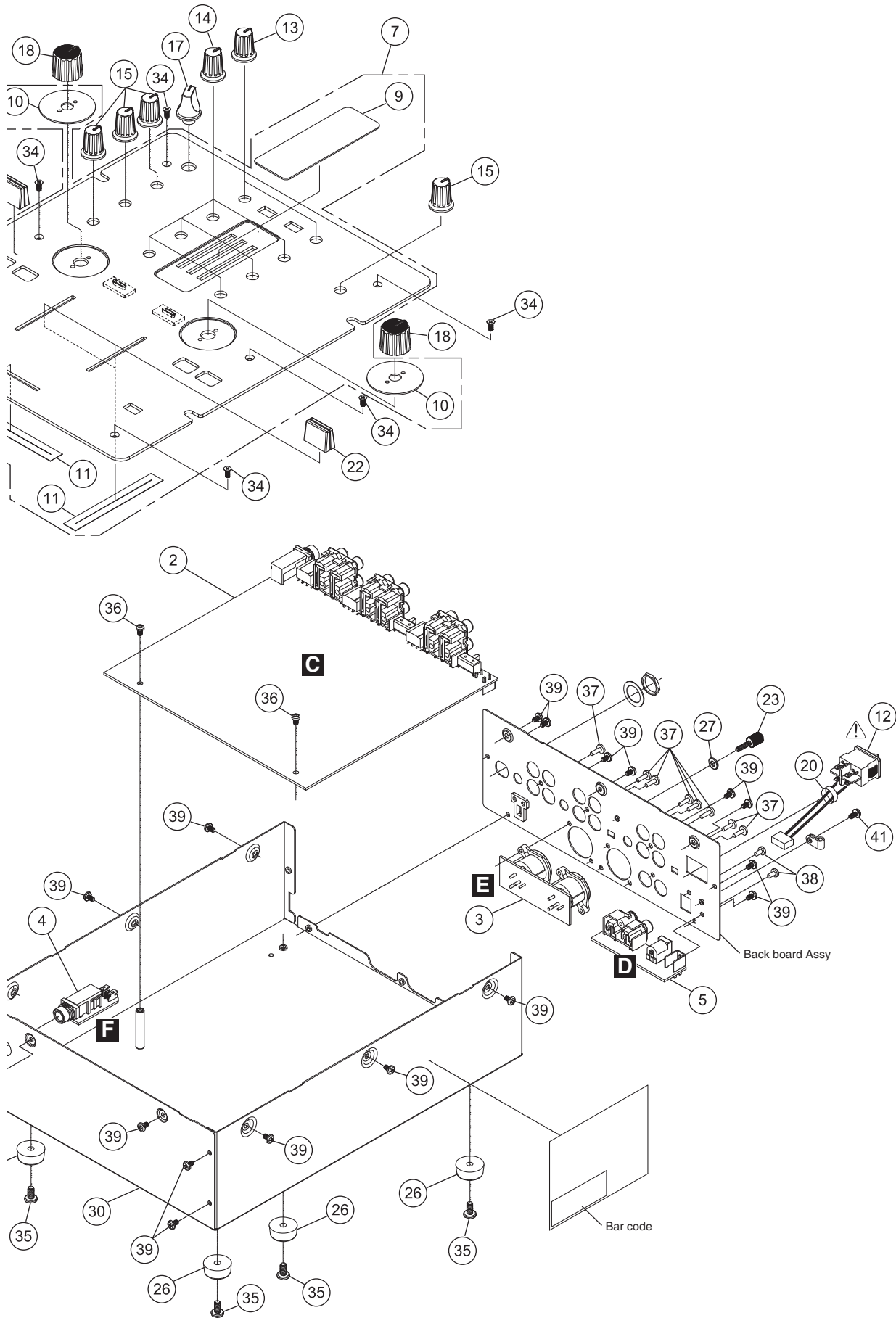
C

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E

F





(1) EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
A	1 MIXER PCB Assy	704-DJM250-A026-HA	21	Push Button	100-MX200-2706-HA
	2 I/O PCB Assy	704-DJM250-A028-HA	22	Push Button	100-33-2824-HA
	3 BALANCE OUTPUT PCB Assy	704-DJM250-A029-HA	23	Ground Terminal	200-GND-642-HA
	4 PHONE PCB Assy	704-DJM250-A030-HA	24	Fixed Plate	300-DJM100-1960-HA
	5 MASTER PCB Assy	704-DJM250-A031-HA	25	Fixed Plate	300-DJM100-1961-HA
	6 CH FADER PCB Assy	704-DJM250-A032-HA	26	Rubber Foot (NBR, 70)	604-BEAT4-238-HA
	7 1..FP Assy	See Contrast table (2)	27	Washer (8x3.2x1T, Ni)	606-Q2221-122-HA
	8 2..Front Panel	See Contrast table (2)	28	Non-Woven Fabrics	612-DJM100-405-HA
	9 2..LM Decoration	See Contrast table (2)	29	Cushion	612-DJM250-412-HA
	10 2..Filter Decoration	See Contrast table (2)	30	Base Assy	703-DJM100-1353-HA
B	11 2..Cushion (75x15x0.3T)	612-AKS4-186-HA	31	Front Board Assy	703-DJM100-1354-HA
	12 Power SW	403-DJ1-107A-HA	32	•••••	
	13 Rotary Knob	See Contrast table (2)	33	•••••	
	14 Rotary Knob	See Contrast table (2)	34	Screw (CTF, 3x7)	See Contrast table (2)
	15 Rotary Knob	100-DJM250-2826-HA	35	Screw	602-BEAT4-440-HA
	16 Anti-Dazzling Base	100-DJM100-2872-HA	36	Screw (3x5 P=0.5)	602-B300-041-HA
	17 Band Rotational Knob	100-DJM100-2873-HA	37	Screw	602-DJ5500-452-HA
	18 Filter Knob	100-DJM100-2874-HA	38	Screw	602-MP3-324-HA
	19 Limpid Button	100-DJM100-2875-HA	39	Screw	602-QMX2BPM-322-HA
	20 Cable Clamp	100-K1-2682-HA	40	Screw	602-SA12-414-HA
C			41	Screw	602-WISO3006-652B-HA
			42	Screw (3x8)	602-XM610-526-HA

(2) CONTRAST TABLE

DJM-250-W/SVYXE8, UXECB, FLPXE, KXE5, AXE5, DJM-250-K/SVYXE8, UXECB, FLPXE, KXE5 and AXE5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-250-W /SVYXE8	DJM-250-W /UXECB	DJM-250-W /FLPX	DJM-250-W /KXE5	DJM-250-W /AXE5
	7	FP Assy	705-DJM250W-1474HA	705-DJM250W-1474HA	705-DJM250W-1474HA	705-DJM250W-1474HA	705-DJM250W-1474HA
	8	Front Panel	300-DJM250W-1958-HA	300-DJM250W-1958-HA	300-DJM250W-1958-HA	300-DJM250W-1958-HA	300-DJM250W-1958-HA
	9	LM Decoration	501-DJM250W-2464-HA	501-DJM250W-2464-HA	501-DJM250W-2464-HA	501-DJM250W-2464-HA	501-DJM250W-2464-HA
	10	Filter Decoration	501-DJM250W-2465-HA	501-DJM250W-2465-HA	501-DJM250W-2465-HA	501-DJM250W-2465-HA	501-DJM250W-2465-HA
	13	Rotary Knob	100-DJM250-2826-HA	100-DJM250-2826-HA	100-DJM250-2826-HA	100-DJM250-2826-HA	100-DJM250-2826-HA
	14	Rotary Knob	100-DJM100-2826-HA	100-DJM100-2826-HA	100-DJM100-2826-HA	100-DJM100-2826-HA	100-DJM100-2826-HA
	34	Screw (CTF, 3x7)	602-AKS4-496B-HA	602-AKS4-496B-HA	602-AKS4-496B-HA	602-AKS4-496B-HA	602-AKS4-496B-HA
Mark	No.	Symbol and Description	DJM-250-K /SVYXE8	DJM-250-K /UXECB	DJM-250-K /FLPX	DJM-250-K /KXE5	DJM-250-K /AXE5
E	7	FP Assy	705-DJM250K-1473HA	705-DJM250K-1473HA	705-DJM250K-1473HA	705-DJM250K-1473HA	705-DJM250K-1473HA
	8	Front Panel	300-DJM100-1958-HA	300-DJM100-1958-HA	300-DJM100-1958-HA	300-DJM100-1958-HA	300-DJM100-1958-HA
	9	LM Decoration	501-DJM100-2464-HA	501-DJM100-2464-HA	501-DJM100-2464-HA	501-DJM100-2464-HA	501-DJM100-2464-HA
	10	Filter Decoration	501-DJM100-2465-HA	501-DJM100-2465-HA	501-DJM100-2465-HA	501-DJM100-2465-HA	501-DJM100-2465-HA
	13	Rotary Knob	100-DJM100-2826-HA	100-DJM100-2826-HA	100-DJM100-2826-HA	100-DJM100-2826-HA	100-DJM100-2826-HA
	14	Rotary Knob	100-DJM250-2826-HA	100-DJM250-2826-HA	100-DJM250-2826-HA	100-DJM250-2826-HA	100-DJM250-2826-HA
	34	Screw (CTF, 3x7)	602-AKS4-496A-HA	602-AKS4-496A-HA	602-AKS4-496A-HA	602-AKS4-496A-HA	602-AKS4-496A-HA

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B

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C

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D

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E

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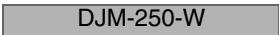
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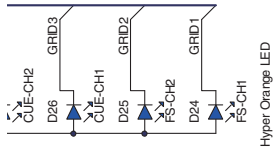
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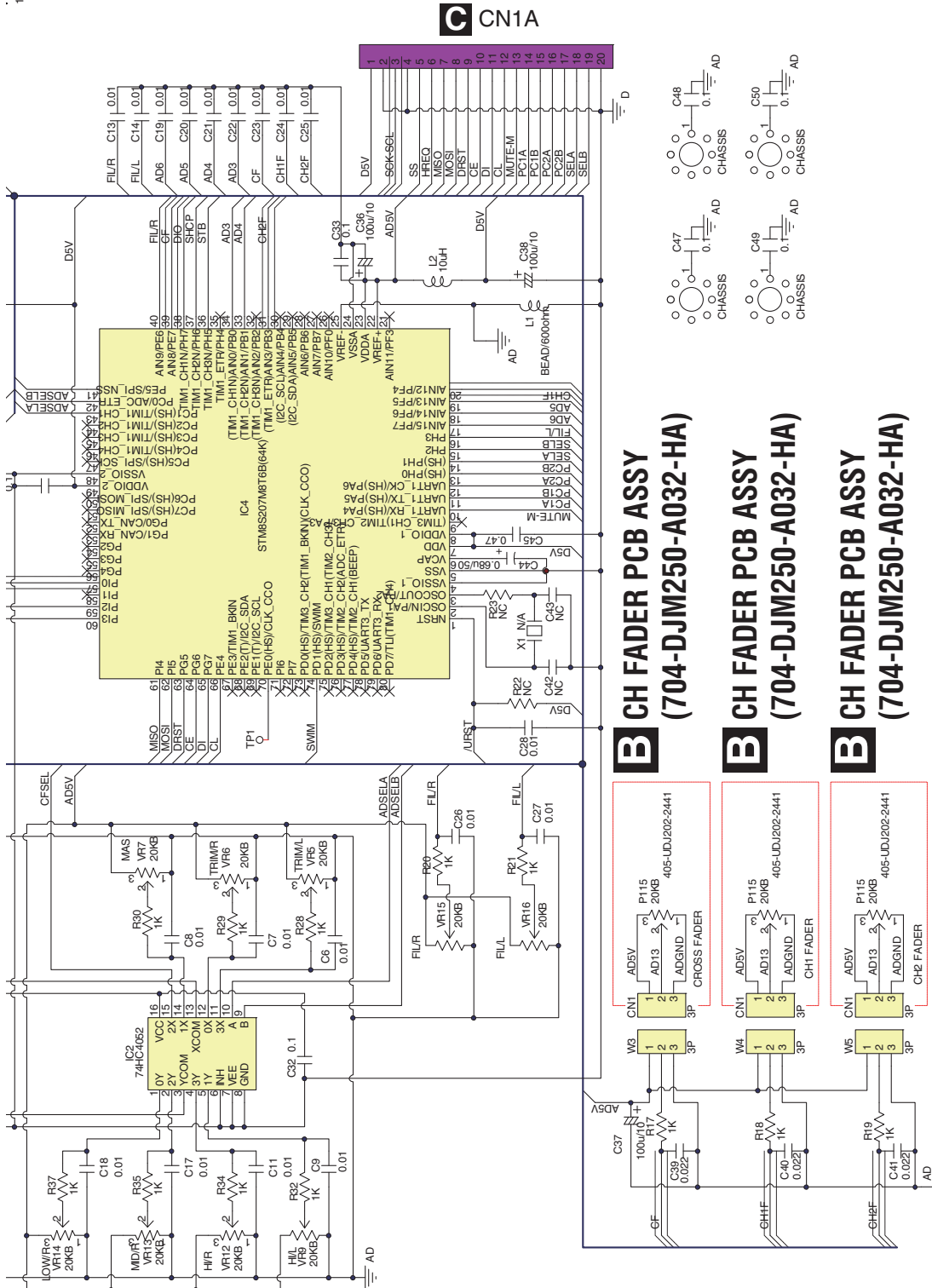
DJM-250-W

A





120



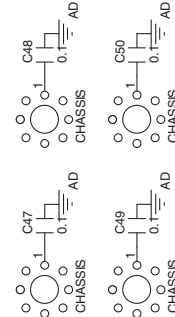
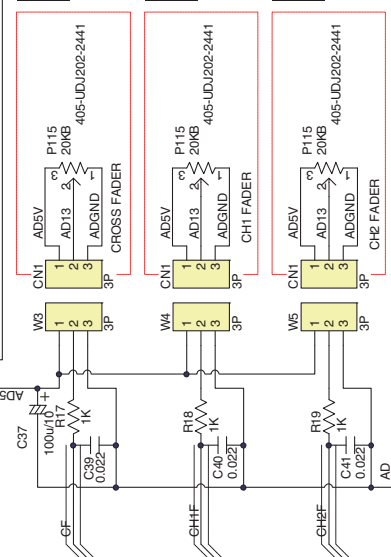
C CN1A

B CH FADER PCB ASSY
(704-DJM250-A032-HA)

B CH FADER PCB ASSY
(704-DJM250-A032-HA)

B CH FADER PCB ASSY
(704-DJM250-A032-HA)

A MIXER PCB ASSY
(704-DJM250-A026-HA)



DJM-250-W

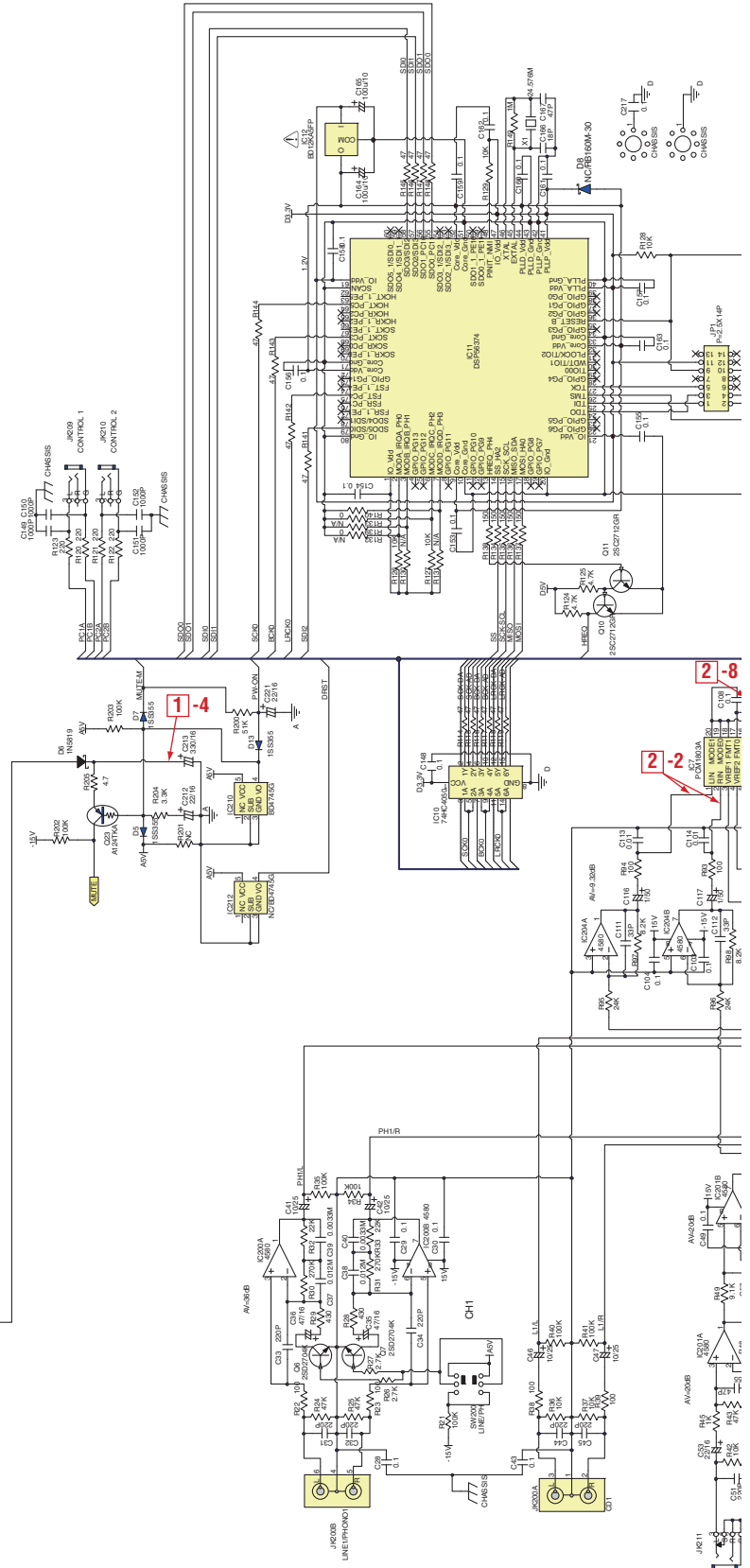
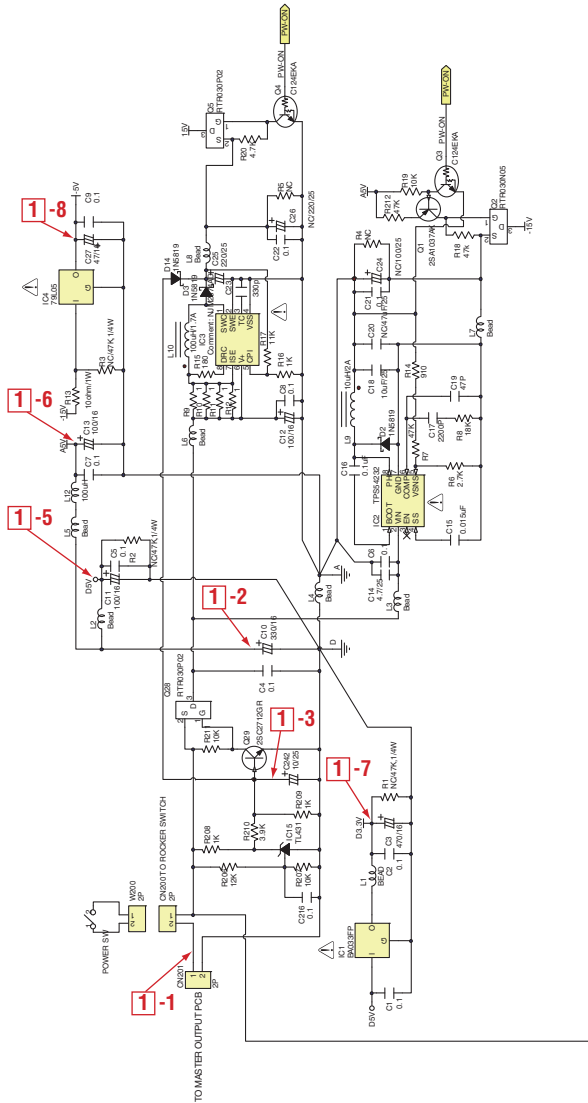
A **B**

33

10.2 I/O, MASTER OUTPUT, BALANCE OUTPUT and PHONE PCB ASSYS

C I/O PCB ASSY (704-DJM250-A028-HA)

D MASTER OUTPUT PCB ASSY (704-DJM250-A031-HA)



E BALANCE OUTPUT PCB ASSY (704-DJM250-A029-HA)



11. PCB CONNECTION DIAGRAM

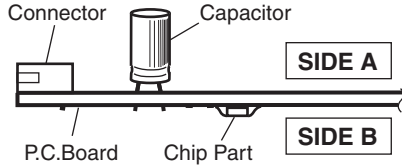
11.1 MIXER and CH FADER PCB ASSYS

SIDE A

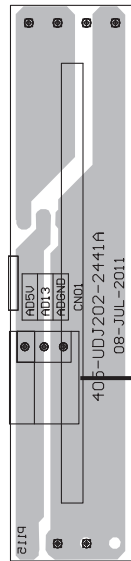
NOTE FOR PCB DIAGRAMS :

1. The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

2. View point of PCB diagrams.

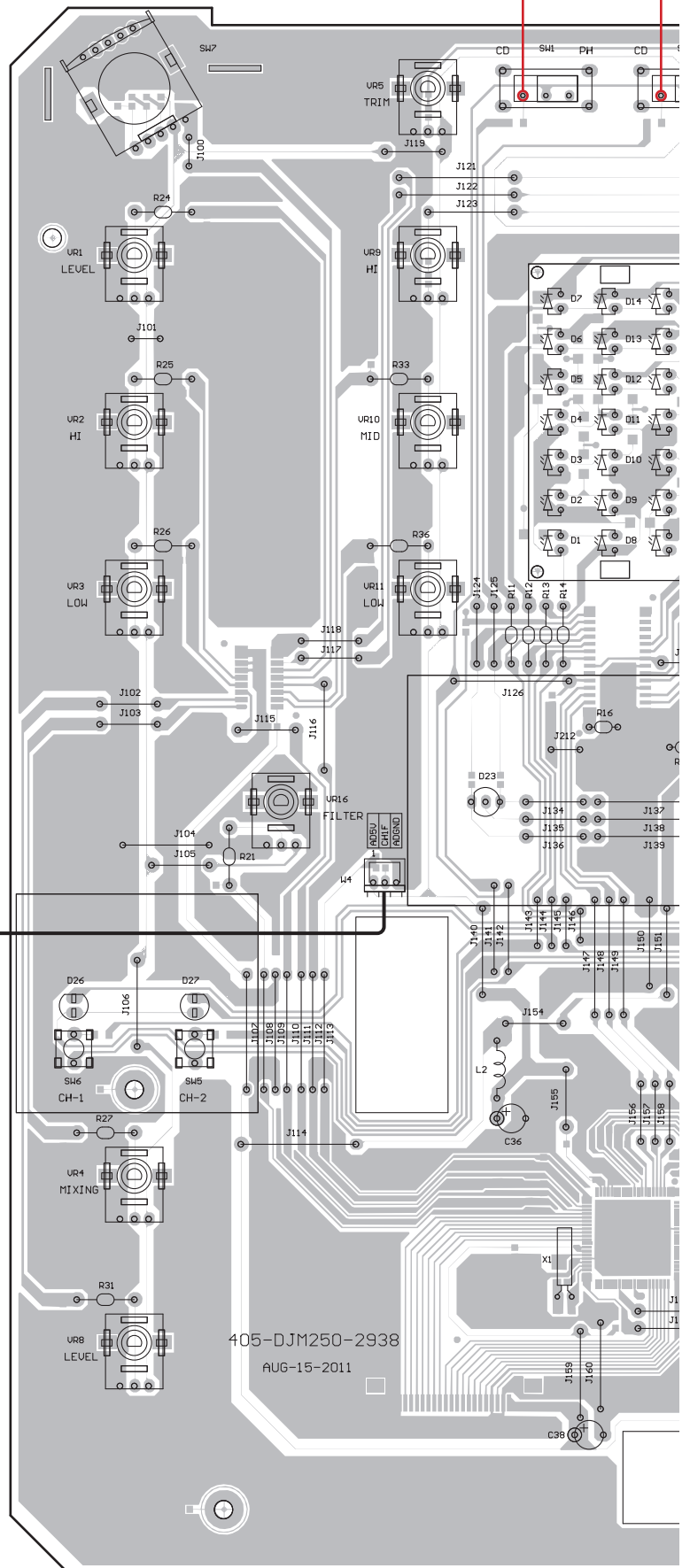


CH FADER PCB ASSY



CN01

W4



A

B



C



F



37

SIDE B

A

A MIXER PCB ASSY

B

C

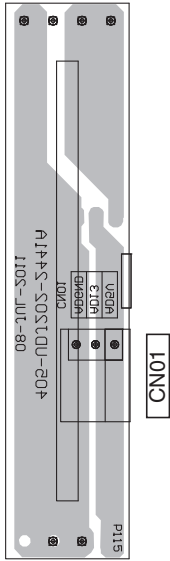
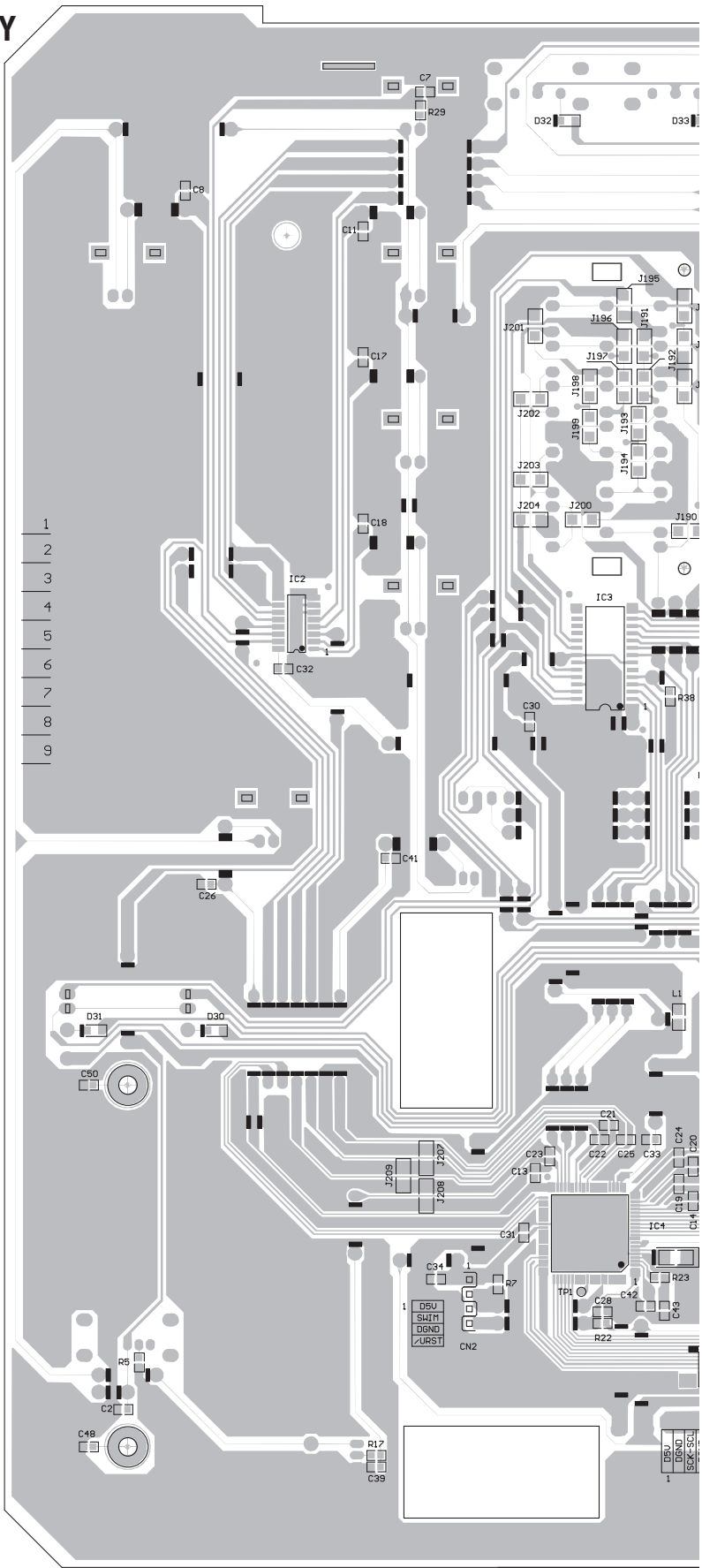
B CH FADER PCB ASSY

D

E

B CH FADER PCB ASSY

F



W5

W3

A B

11.2 I/O, MASTER OUTPUT, BALANCE OUTPUT and PHONE PCB ASSYS

SIDE A

A

B

C

D

E

F

Q6-Q9

IC5 IC4

IC15

IC6

IC210

Q12 Q13

Q14-Q17

IC204-IC206 IC3

Q31

Q30

IC212

IC8 IC7 IC9

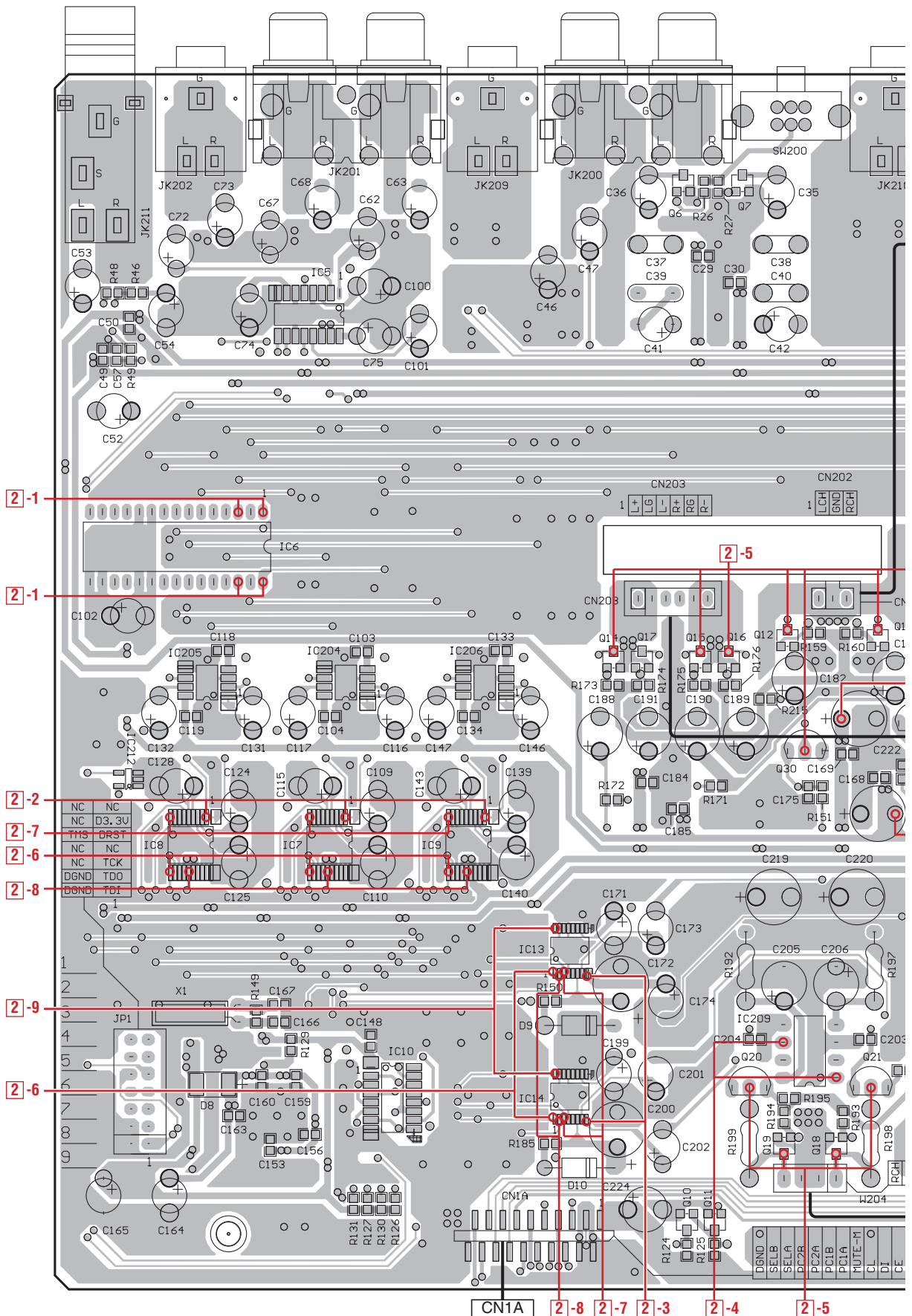
IC13

IC2

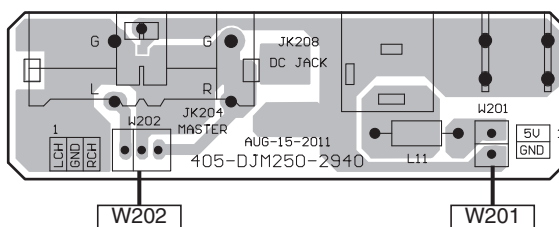
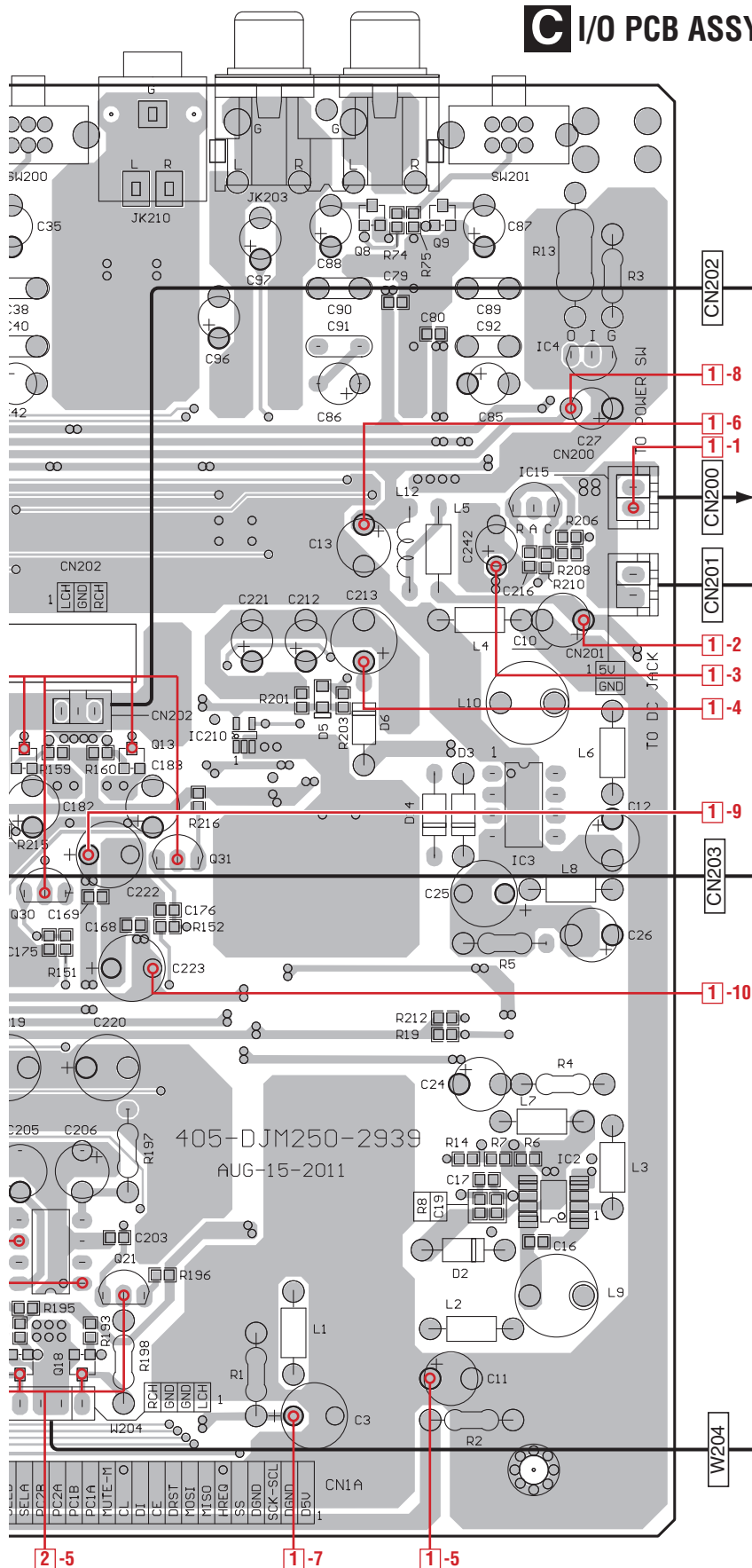
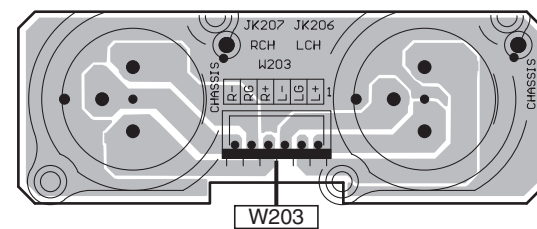
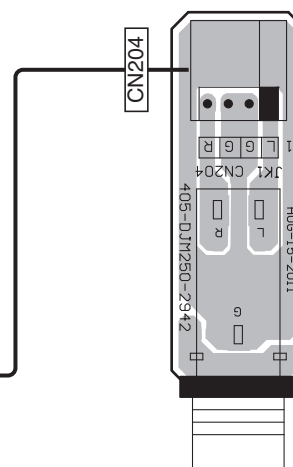
IC209

IC10 IC14

Q19 Q18



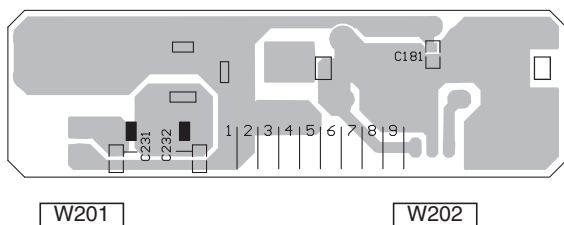
C

SIDE A**C** I/O PCB ASSY**D** MASTER OUTPUT PCB ASSY**E** BALANCE OUTPUT PCB ASSY**F** PHONE PCB ASSY**C D E F**

SIDE B

A

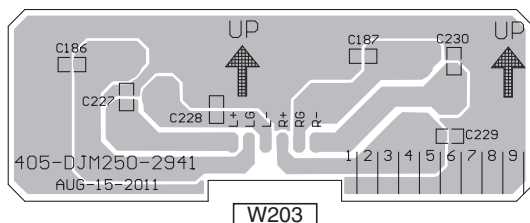
D MASTER OUTPUT PCB ASSY



B

C

E BALANCE OUTPUT PCB ASSY

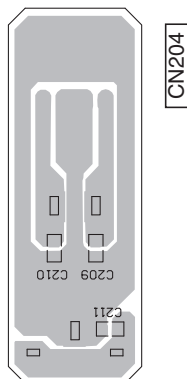
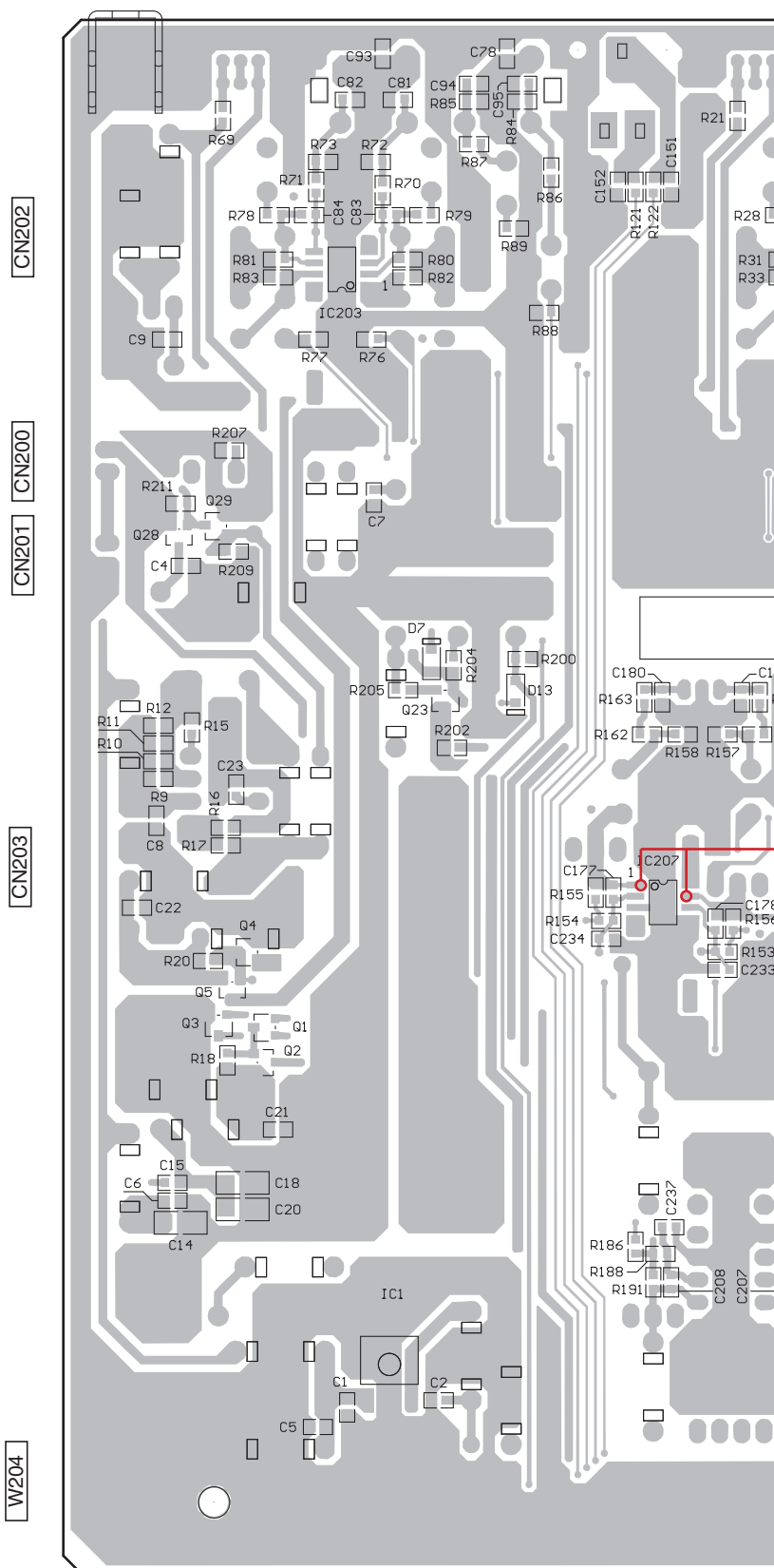


D

E

F

F PHONE PCB ASSY

**C I/O PCB ASSY**

SIDE B

A

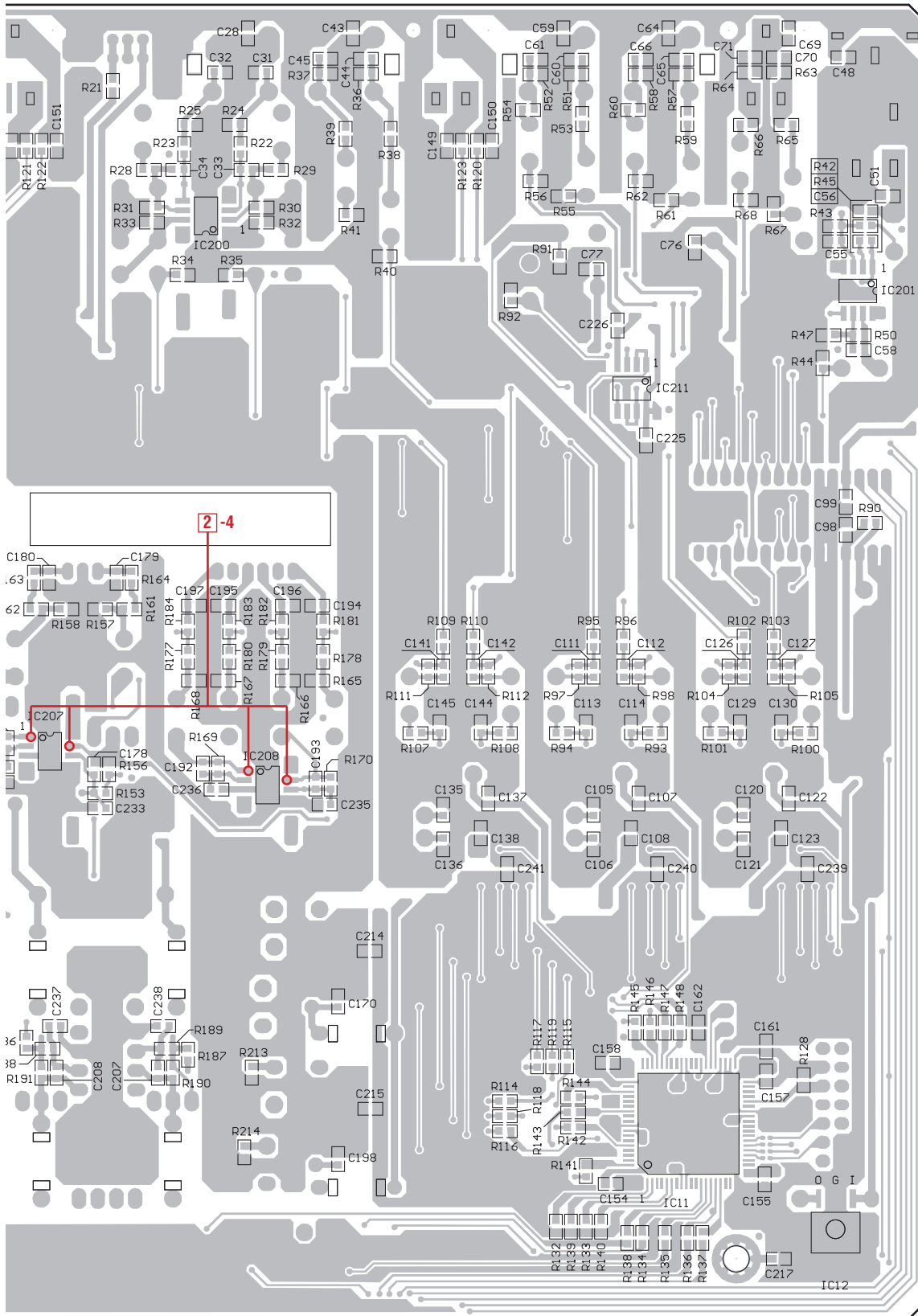
B

C

D

E

F



CN1A

DJM-250-W

C

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12. PCB PARTS LIST

NOTES: ● Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
● The ⚠ mark found on some component parts indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts of identical designation.

Mark	No.	Description	Part No.
LIST OF ASSEMBLIES			
	1..	MIXER PCB ASSY	704-DJM250-A026-HA
	1..	CH FADER PCB ASSY	704-DJM250-A032-HA
	1..	I/O PCB ASSY	704-DJM250-A028-HA
	1..	MASTER OUTPUT PCB ASSY	704-DJM250-A031-HA
	1..	BALANCE OUTPUT PCB ASSY	704-DJM250-A029-HA
	1..	PHONE PCB ASSY	704-DJM250-A030-HA

Mark	No.	Description	Part No.
A MIXER PCB ASSY			
SEMICONDUCTORS			
	Q 1-4	TRANSISTOR	416-CDN88-044-HA
	D 1-4, 8-11,15-18	LED(YELLOW GREEN)	410-DJ5000-252-HA
	D 5,6,12,13,19,20	LED (LTL1CHJSDNN,YEL)	410-HDJ2000-162-HA
	D 7,14,21	LED(LTL1CHJEDNN,RED)	410-DJ5000-253-HA
	D 22,23	LED(RED/YELLOW GREEN)	410-PS2-185-HA
	D 24-27	LED	410-DJM250-409-HA
	D 28-33	SWITCHING DIODE	414-CD1000-075-HA

MISCELLANEOUS			
	L 2	INDUCTOR(10UH T-26MM)	415-MPG100-047-HA
	SW 1,2	SLIDE SW	403-X10-388-HA
	SW 3-6	TACT SW	403-900-242A-HA
	SW 7	SW	403-MC6000-386-HA
	SW 8	SLIDE SW	403-DJM303-368-HA
	W 3-5	3P 2.0 CONNECTOR WIRE	404-DJM250-3624-HA
		20P 1.0 FFC CABLE	406-DJM250-1190-HA
		NUT(M3*P0.5,CD,PB,HG)	601-A100-004-HA
		SCREW(M3*P0.5*L8)	602-HP1010K-178-HA

RESISTORS			
	R 6	CARBON FILM RESISTOR	412-3113-068-HA
	R 11-14	CARBON FILM RESISTOR	412-3113-065-HA
	R 16	CARBON FILM RESISTOR	412-KM300-116-HA
	R 19-21,24-27	CARBON FILM RESISTOR	412-3113-078-HA
	R 30,31,33-37	CARBON FILM RESISTOR	412-3113-078-HA
	VR 1,5-8	ROTARY VR	418-DJM250-676-HA
	VR 2-4,9-16	ROTARY VR	418-DJM250-675-HA

CAPACITORS			
	C 35	ELEC.CAPACITOR	413-HT801K-192-HA
	C 36,38	ELEC.CAPACITOR	413-HMA2200-5017-HA
	C 44	TANTALUM CAPACITOR	413-MAIE-1211-HA

B CH FADER PCB ASSY			
There is no service parts.			

Mark	No.	Description	Part No.
C I/O PCB ASSY			
SEMICONDUCTORS			
	Q 1	TRANSISTOR	416-CDN88-045-HA
	Q 3,4	TRANSISTOR	416-CDN88-044-HA
	Q 5,28	TRANSISTOR	416-UDJ200-347-HA
	Q 6-9,12-19	TRANSISTOR	416-3000-378-HA
	Q 10,11,29	TRANSISTOR	416-CTB200-166-HA
	Q 20,21,30,31	TRANSISTOR	416-AMC110A-5017-HA
	D 2,3,6,9,10,14	DIODE	414-DFX1-144-HA
	D 5,7,13	SWITCHING DIODE	414-CD1000-075-HA

MISCELLANEOUS			
	CN 200	2P SOCKET	404-KMD1500-608A-HA
	CN 201	2P SOCKET	404-Q2422-1154-HA
	CN 202	3P SOCKET	404-HP1010K-259A-HA
	CN 203	6P SOCKET	404-3113-052A-HA
	JK 200,201,203	4P RCA JACK(RCA-413)	420-QMX1-094-HA
	JK 202,209,210	HEADPHONE JACK	420-HDJ7100-063-HA
	JK 201-203	GROUND PLATE	300-QFX19-811-HA
	JK 211	MIC JACK	420-Q3433-107-HA
	JK 211	JACK GROUND PLATE	300-300-1171-HA
	L 1-8	BEAD CORE	415-HV3500K-090-HA
	L 9	CORE	415-PDJ33-381-HA
	L 10	INDUCTOR	415-UDJ1-314-HA
	L 12	INDUCTANCE	415-HT8015-040-HA
	SW 200,201	SLIDE SW	403-QMX1-060-HA
	W 204	4P 2.5 CONNECTOR WIRE	404-AMW4-2730-HA
	X 1	CRYSTAL(CSA-309,24.576MHz,3*9) PIN	427-IQ2UM-133-HA
			300-K1000-1521-HA

RESISTORS			
	R 13	CARBON FILM RESISTOR	412-HMA2200-5019-HA
	R 192,197	CARBON FILM RESISTOR	412-M5-666-HA
	R 198,199	CARBON FILM RESISTOR	412-DV300-5118-HA

CAPACITORS			
	C 3	ELEC.CAPACITOR	413-HT8015-164-HA
	C 10,213	ELEC.CAPACITOR	413-HP1010K-200-HA
	C 11-13,188-191,224	ELEC.CAPACITOR	413-HT801K-193-HA
	C 25	ELEC. CAPACITOR	413-DV300-292-HA
	C 27,35,36,54,74,75,87,88	E/C	413-CDVD2001-265-HA
	C 37,38,89,90	POLYESTER CAPACITOR	413-3113-060-HA
	C 39,40,91,92	POLYESTER CAPACITOR	413-KT300-103-HA
	C 41,42,46,47,52,62,63	ELEC. CAPACITOR	413-SPPW3-235-HA
	C 67,68,72,73,85,86,96	ELEC. CAPACITOR	413-SPPW3-235-HA
	C 97,100,101,109,110	ELEC. CAPACITOR	413-SPPW3-235-HA
	C 124,125,139,140,171	ELEC. CAPACITOR	413-SPPW3-235-HA
	C 173,174,199,242	ELEC. CAPACITOR	413-SPPW3-235-HA
	C 182,183,205,206	ELEC. CAPACITOR	413-SPPW3-237-HA
	C 53,212,221	ELEC. CAPACITOR	413-SPPW3-236-HA
	C 102	ELEC.CAPACITOR	413-HT801K-191-HA
	C 115,128,143,164,165	ELEC.CAPACITOR	413-HMA2200-5017-HA
	C 116,117,131,132	ELEC. CAPACITOR	413-SPPW3-234-HA
	C 146,147	ELEC. CAPACITOR	413-SPPW3-234-HA
	C 172,200	ELEC. CAPACITOR	413-007USB-828-HA

Mark	No.	Description	Part No.
C	201,202	ELEC. CAPACITOR	413-DV300-5156-HA
C	222,223	ELEC. CAPACITOR	413-SPPW3-238-HA

D MASTER OUTPUT PCB ASSY

MISCELLANEOUS

W	201	2P 2.0/2.5 CONNECTOR WIRE	404-DJM250-3623-HA
W	202	3P 2.0 CONNECTOR WIRE	404-DJM250-3622-HA

E BALANCE OUTPUT PCB ASSY

MISCELLANEOUS

W	203	6P 2.0 CONNECTOR WIRE	404-ID-3048-HA
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F PHONE PCB ASSY

There is no service parts.