Pioneer DJ

Service Manual

DJM-TOUR1

DJ MIXER
DJM-TOUR1

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

Model	Type	Power Requirement	Remarks
DJM-TOUR1	LSYXJ	AC 110 V to 240 V	
DJM-TOUR1	UXJCB	AC 110 V to 240 V	
DJM-TOUR1	XJCN	AC 220 V	

THIS SERVICE MANUAL SHOULD BE USED TOGETHER WITH THE FOLLOWING MANUAL(S).

Model	Order No.	Remarks
DJM-TOUR1	RRV4658	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM, PCB PARTS LIST
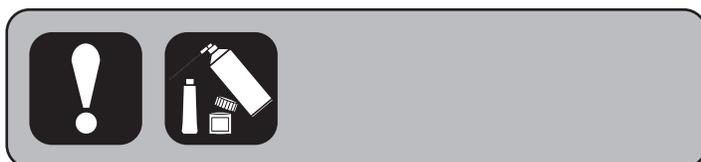
SAFETY INFORMATION

!

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

CONTENTS

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

1.2 NOTES ON REPLACING

B

The part listed below is difficult to replace as a discrete component part.
When the part listed in the table is defective, replace whole Assy.

Assy Name	Parts that is Diffcult to Replace			
	Ref No.	Function	Part No.	Remarks
MAIN Assy	IC1	MAIN UCOM	AM3352BZCZ100	BGA
	IC2	PMIC	TPS65910A31A1RSL	IC with heat-pad
	IC9	DDR3 SDRAM	K4B1G1646G-BCK0	BGA
	IC16	LAN PHY	LAN8720A-CP	IC with heat-pad
	IC1001	DSP	D810K013DZKB456	BGA
	IC1501	SRC_DSP	D810K013DZKB456	BGA
	IC3002	CLK Generator	SI5351C-B03300GM	IC with heat-pad
	IC4502	12V → 5V Regulator	NJM78M05DL1A	IC with heat-pad
	IC4503	5U → 5V Regulator	NJM78M05DL1A	IC with heat-pad
	IC4507	12V → 1.285 DC/DC converter	BD9328EFJ	IC with heat-pad
	IC4512	15U → 15V Regulator	NJM78M15DL1A	IC with heat-pad
USBP Assy	IC4852	High Side SW	TPS2557DRB	IC with heat-pad
HPPW Assy	IC8001	12V → 7V DC/DC converter	MM3543BH	IC with heat-pad
	IC8002	12V → -7V DC/DC converter	NJW4154GM1	IC with heat-pad
	Q8210, Q8211, Q8213, Q8215	Transistor	2SD1760F5 (R)	Transistor with heat-pad
	Q8209, Q8212, Q8214, Q8216	Transistor	2SB1184F5 (R)	Transistor with heat-pad
CDCB Assy	IC4902	X-PAD TOUCH CONTROLLER	ATSAMD20E15A-MU	IC with heat-pad
LANB Assy	IC9001	USB_LAN_IC for LINK	RTL8152B-VB-CG	IC with heat-pad
	IC9004	USB_LAN_IC for INTERNET	RTL8152B-VB-CG	IC with heat-pad
	IC9205	HUB_SW_IC	RTL8309M-CG	IC with heat-pad
HPP2 Assy	Q8805	Transistor	2SD1760F5(R)	Transistor with heat-pad
	Q8806	Transistor	2SB1184F5(R)	Transistor with heat-pad
	Q8807	Transistor	2SD1760F5(R)	Transistor with heat-pad
	Q8808	Transistor	2SB1184F5(R)	Transistor with heat-pad
ILMB Assy	IC9801	12V→5V DC/DC converter	BD9328EFJ	IC with heat-pad

C

D

E

F

1.3 SERVICE NOTICE

■ VOLTAGE MONITORING

This unit always monitors for power failure and will shut itself off immediately after an error is detected.
A power failure is indicated with flashing of the QUANTIZE LED (Intervals: 250 ms [Lit 125 ms/Unlit 125 ms]).
All the LEDs other than QUANTIZE LED will be unlit, and all the switches and VRs will be disabled.
Repair the unit according to the diagnostic procedures described in "5.3 INFORMATION ON POWER DIAGNOSTICS."

■ CONFIRMATION OF USER-SETTING

This product has user-setting data. Be sure to confirm those data before starting repair, although changing them may not have a large effect. Use the Check Sheet in "8.5 USER SETABLE ITEMS" to which you can transcribe the settings, as required.
The settings are stored in FLASH ROM (IC8) on the MAIN Assy.
For details, refer to "Changing the settings" in the operating instructions.

■ FLASH ROM ON THE MAIN Assy

Never replace the FLASH ROM (IC8) on the MAIN Assy during servicing.
If the FLASH ROM is assumed to be defective, replace the whole MAIN Assy.
This FLASH ROM contains data that can only be written in at the factory.
An IEEE 802.3-based MAC address specific to this unit has been written.

■ About work after MAIN Assy replacement

The writing of the unit serial No. is necessary when replacing the MAIN Assy.
Refer to "8.3 WRITING THE SERIAL NUMBER AND THE LANGUAGE SETTING OF THE UNIT".
Be sure to perform "CFDR SET" in Crossfader calibration mode in the test mode when replacing the MAIN Assy.
It is unable to boot up normally if performing "CFDR SET" is neglected.
Be sure to make pairing to the 13 inch LCD module when replacing the MAIN Assy.
Refer to "8.4 HOW TO MAKE PAIRING BETWEEN THE 13 INCH LCD MODULE AND THE MAIN ASSY" about the way of pairing.

■ About USB-LAN Conversion IC in LANB Assy

Do Not replace the USB-LAN Conversion IC (IC9001 and IC9004) in LANB Assy when servicing the Assy.
When the USB-LAN Conversion IC is supposed to be defective, replace the LANB Assy.
This USB-LAN Conversion IC saves the contents that is unable to write except at factory shipment.
The unique IEEE802.3 MAC address of the unit is written.
*The registration of the club information is required again by the new customer ID after servicing for the customer registered KUVO club informaion.
Refer to "Registering the club information" in the web operating instructions about the way of registering club information.
When perfopming replacing service of the LANB Assy, please inform to a customer returning a product that it is necessary to reregister the club information when installing the product.

■ CDCB Assy replacement

The touch defect of X-PAD is supposed to be composite reason as the defect of IC or assembling.
Be sure that the replacing service part is X-PAD SERVICE ASSY (DEA1049).

■ CROSS FADER Assy replacement

Noncontact faders are adopted for the cross faders with this product. Compared with conventional contact-type cross faders, noncontact faders offer dozens of times the durability.
Because high accuracy is required for assembly of the fader section, the service part of this section will be supplied as a whole Assy. Use the CROSS FADER Assy (DXA2257) for replacement.
After replacement, be sure to perform "CFDR SET" in Crossfader calibration mode of Test mode. If you don't, the unit may not start up properly.
Note that performing "CFDR SET" in Cross Fader Calibration mode is also required after replacement of the MAIN Assy or PNLA Assy.

■ About replacing 13 inch LCD module

Be sure that the replacing service part is LCD FULL MODULE SERVICE ASSY (DEA1053).
The MAC address written in the MAIN Assy should be stored in the 13 inch LCD module.

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2. SPECIFICATIONS

General

Power .... AC 110 V to 240 V, 50 Hz/60 Hz
Power consumption .... 82 W
Power consumption (standby) .... 0.4 W
Main unit weight....................................16.1 kg (35.5 lb)
External dimensions
(When TILTABLE DISPLAY part is in closed state)
.... 445.2 mm (W) × 179.1 mm (H) × 451.6 mm (D)
(17.5 in. (W) × 7.1 in. (H) × 17.8 in. (D))
(When TILTABLE DISPLAY part is upright at 90 degrees)
.... 445.2 mm (W) × 418 mm (H) × 457.7 mm (D)
(17.5 in. (W) × 16.5 in. (H) × 18 in. (D))
(When TILTABLE DISPLAY part is in open state)
.... 445.2 mm (W) × 203.1 mm (H) × 694.5 mm (D)
(17.5 in. (W) × 8 in. (H) × 27.3 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 ....96 kHz
D/A converter... 32 bits
A/D converter... 24 bits
Frequency characteristic
LINE... 20 Hz to 40 kHz
S/N ratio (rated output)
PHONO .... 88 dB
LINE.. 105 dB
MIC1, MIC2 .... 79 dB
Total harmonic distortion (LINE — MASTER1) ....0.005 %
Standard input level / Input impedance
PHONO ....−52 dBu/47 kΩ
LINE..−12 dBu/47 kΩ
MIC1, MIC2 ....−52 dBu/8 kΩ
RETURN...−12 dBu/47 kΩ
AUX ....−12 dBu/47 kΩ
Standard output level / Load impedance / Output impedance
MASTER1.....................................+8 dBu/10 kΩ /100 Ω or lower
MASTER2.....................................+2 dBu/10 kΩ /390 Ω or lower
REC OUT ....−8 dBu/10 kΩ /22 Ω or lower
BOOTH......................................+8 dBu/10 kΩ /100 Ω or lower
SEND...−12 dBu/10 kΩ /1 kΩ or lower
PHONES ....+8.5 dBu/32 Ω /1 Ω or lower
Rated output level / Load impedance
MASTER1...+25 dBu/10 kΩ
MASTER2...+21 dBu/10 kΩ
Digital Input / Output impedance
WORD CLOCK... TTL/75 Ω (ON/OFF)
AES/EBU ....110 Ω
Crosstalk (LINE). .... 82 dB
Channel equalizer characteristic
HI .... −26 dB to +6 dB (30 kHz)
MID... −26 dB to +6 dB (1 kHz)
LOW .... −26 dB to +6 dB (20 Hz)
Microphone equalizer characteristic
HI.. −12 dB to +12 dB (10 kHz)
LOW .... −12 dB to +12 dB (100 Hz)

Input / Output terminals

PHONO input terminal
RCA pin jacks... 4 sets
LINE input terminal
RCA pin jacks... 4 sets
MIC1 input terminal (XLR/TRS)
XLR connector & 1/4" TRS jack.. 1 set
MIC2 input terminal (TRS)
1/4" TRS jack.. 1 set
RETURN Input terminals (TS)
1/4" TS jack .... 1 set
AUX input terminal (XLR/TRS)
XLR connector & 1/4" TRS jack... 1 set

DIGITAL IN coaxial input terminal
RCA pin jacks... 4 sets
MASTER output terminal
XLR connector...1 set
RCA pin jacks...1 set
BOOTH output terminal
XLR connector...1 set
REC OUT output terminal
RCA pin jacks...1 set
SEND output terminal (TS)
1/4" TS jack ....1 set
DIGITAL MASTER OUT AES/EBU
XLR connector...1 set
WORD CLOCK input terminals
BNC jack...1 set
PHONES output terminal
1/4" stereo phone jack... 2 sets
3.5 mm stereo mini jack...1 set
USB terminal
Type A .... 1 set
Power supply...5 V/2.1 A or less
Type B .... 2 sets
EXTENSION terminal
LAN terminal (100 Base-TX) .... 1 set
LINK CH terminal
LAN terminal (100 Base-TX) .... 4 sets
INTERNET terminal
LAN terminal (100 Base-TX) .... 1 set

Tiltable display (13-inch)

Display type .... Active matrix TFT liquid crystal display (LCD)
Supported languages .... 18 languages

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

■ Accessories

• Power cord
(LSYXJ: ADG1244)
(UXJCB: DDG1108)
(XJCN: DDG1114)
• USB cable (DDE1128)
When connecting two PCs, provide a USB cable compliant with
USB 2.0 separately.
• Display shade (DEC3649) *Including screw (DBA1448 (×2))
• Operating Instructions (Quick Start Guide)
(LSYXJ: DRH1350/DRH1351)
(UXJCB: DRH1349)
(XJCN: DRH1352)
• Warranty (for some regions)
The included warranty is for the European region.
— For the North American region, the corresponding information is
provided on the last page of both the English and French
versionsof the "Operating Instructions (Quick Start Guide)".
— For the Japanese region, the corresponding information is
provided on the last page of the Japanese version of the
"Operating Instructions (Quick Start Guide)".

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.	Procedure	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 each Channel, MIC1, MIC2, RETURN 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, 2, REC, BOOTH and SEND.) (Make the analog connection with CDJ player.)	Audio and operations must be normal.
5	Check the digital audio input/output (Make the dgital connection with CDJ player.)	Audio for each channel and operations must be normal.
6	Check DVS.	Make sure that PC applications function properly and that the audio signals and operations of each channel are normal.
7	Check the headphones output. (1/4" stereo phone plugs and 3.5 mm stereo mini plugs) Check the second headphones output. (1/4" stereo phone plugs)	There must be no errors, such as noise, in the audio output.
8	Check playback, using the fader function. (Select the fader function then check operations of each channel with audio signals via the DSP.)	There must be no errors in audio output and operations of each channel.
9	Check the connection of each interface.	
	USB A.	Plug in a USB memory device and check that the USB connection indicator lights.
	USB B.	The device must be properly recognized by the PC.
	LINK.	Check the ping operation by connecting to the PC.
	WORD CLK	Check that WORD CLK is displayed in the Utility by connecting the external CLK output equipment.
	INTERNET	Check the ping operation by connecting to the PC.
10	Check the buttons and controls.	Make sure that all buttons and controls on the main unit function properly.
11	Check operations of the X-PAD.	Touch the X-PAD in Test mode and check that it operates properly.
12	Check the FL displays and LEDs.	Check that all the OLED and LEDs light in Test mode.
13	Check the user settings.	They must be returned to those set before repair.
14	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.
15	Pairing between the 13 inch LCD module and the MAIN Assy.	Make sure that pairing between the 13 inch LCD module and the MAIN Assy are completed.

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

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

3.2 JIGS LIST

■ Jigs List

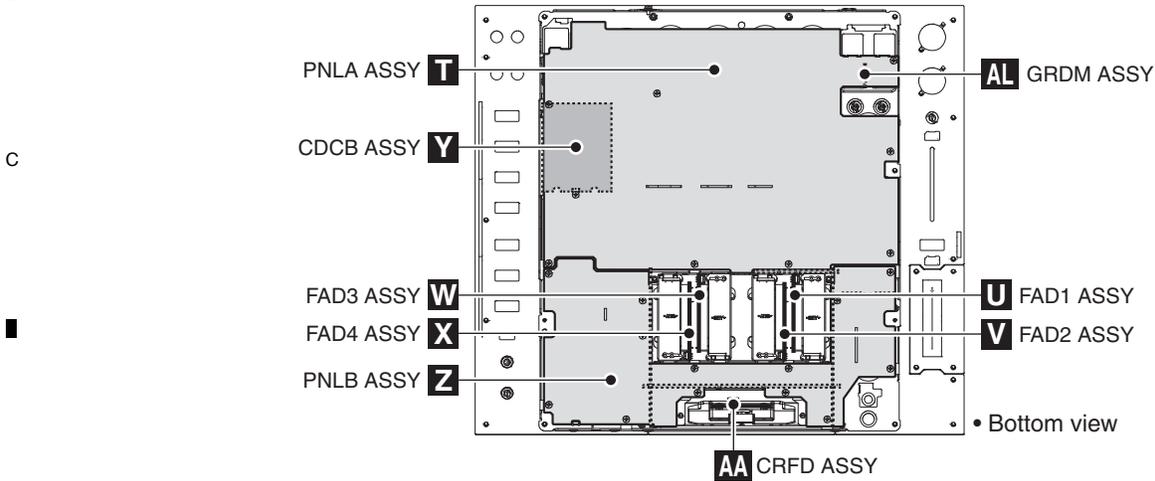| Jig Name	Part No.	Purpose of use / Remarks
USB cable	GGP1193	for PC connection, accessory
Software for writing the serial number and language for setting	GGS1184	For writing the serial number and language setting of the unit to the MAIN Assy after replacement. See "8.3 WRITING THE SERIAL NUMBER AND THE LANGUAGE SETTING OF THE UNIT."

■ Lubricants and Glues List

Name	Part No.	Remarks
Lubricating oil	GYA1001	Refer to "9.5 CONTROL PANEL SECTION (2/2)".

3.3 PCB LOCATIONS
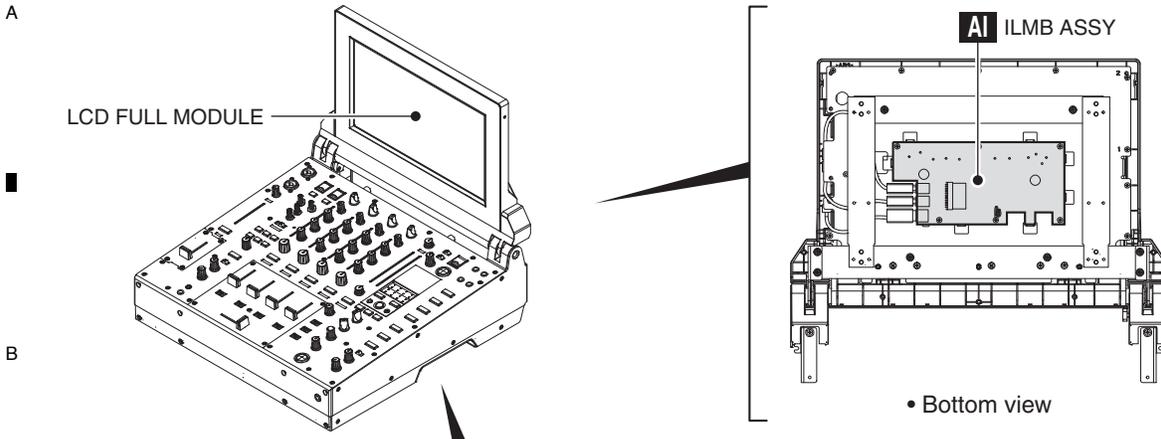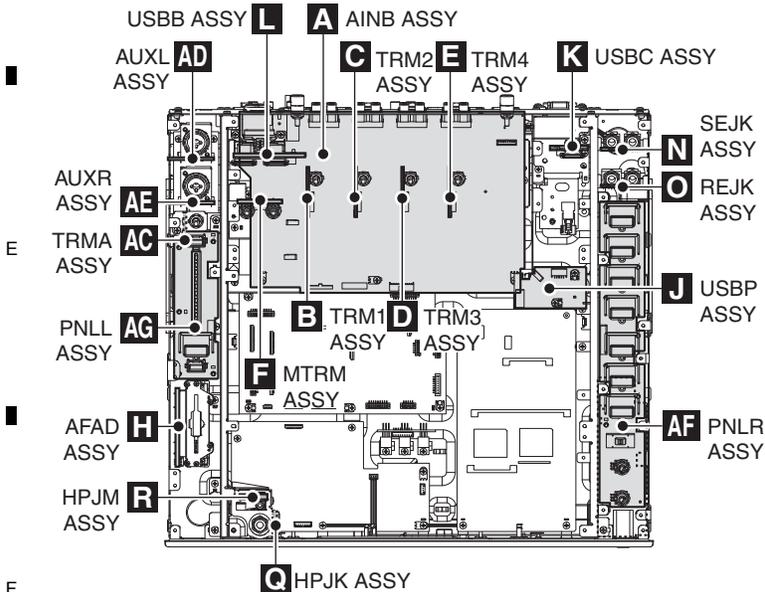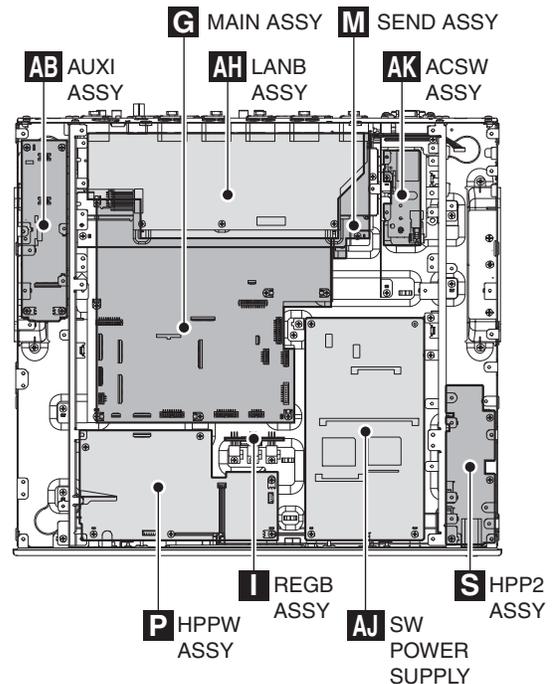
A

LCD FULL MODULE

AI ILMB ASSY

B

• Bottom view

■ Control panel Section

PNLA ASSY **T**

CDCB ASSY **Y**

AL GRDM ASSY

FAD3 ASSY **W**

FAD4 ASSY **X**

PNLB ASSY **Z**

U FAD1 ASSY

V FAD2 ASSY

• Bottom view

AA CRFD ASSY

D

■ Chassis Section (Top)

USBB ASSY **L**　**A** AINB ASSY

AUXL **AD** ASSY

C TRM2 ASSY　**E** TRM4 ASSY

K USBC ASSY

N SEJK ASSY

O REJK ASSY

AUXR ASSY **AE**

TRMA **AC** ASSY

PNLL **AG** ASSY

B TRM1 ASSY　**D** TRM3 ASSY

J USBP ASSY

F MTRM ASSY

AFAD **H** ASSY

AF PNLR ASSY

HPJM **R** ASSY

Q HPJK ASSY

■ Chassis Section (Bottom)

G MAIN ASSY　**M** SEND ASSY

AB AUXI ASSY　**AH** LANB ASSY　**AK** ACSW ASSY

P HPPW ASSY

I REGB ASSY

AJ SW POWER SUPPLY

S HPP2 ASSY

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.	Mark	No.	Description	Part No.
		LIST OF ASSEMBLIES					
NSP	1..MOTHER ASSY		DWM2604	NSP	1..HPAB ASSY		DWM2607
	2..MAIN ASSY		DWX3829		2..HPPW ASSY		DWX3847
	2..USBB ASSY		DWX3830		2..HPJK ASSY		DWX3738
	2..USBC ASSY		DWX3831				
	2..USBP ASSY		DWX3832	NSP	1..AUXB ASSY		DWM2605
					2..AUXL ASSY		DWX3833
NSP	1..AUDIO ASSY		DWM2606		2..AUXR ASSY		DWX3834
	2..AINB ASSY		DWX3845		2..AUXI ASSY		DWX3835
	2..TRM1 ASSY		DWX3715		2..PNLL ASSY		DWX3836
	2..TRM2 ASSY		DWX3716				
	2..TRM3 ASSY		DWX3717		2..REJK ASSY		DWX3837
					2..SEJK ASSY		DWX3838
	2..TRM4 ASSY		DWX3718		2..PNLR ASSY		DWX3839
	2..HPJM ASSY		DWX3739		2..TRMA ASSY		DWX3840
					2..HPP2 ASSY		DWX3841
	1..PNLA ASSY		DWX3915				
					2..SEND ASSY		DWX3843
NSP	1..SUB ASSY		DWM2608				
	2..PNLB ASSY		DWX3720		1..CDCB ASSY		DWX3733
	2..REGB ASSY		DWX3721				
	2..ACSW ASSY		DWX3722		1..LANB ASSY		DWX3842
	2..FAD1 ASSY		DWX3723				
					1..ILMB ASSY		DWX3858
	2..FAD2 ASSY		DWX3724				
	2..FAD3 ASSY		DWX3725		1..CROSS FADER ASSY		DXA2257
	2..FAD4 ASSY		DWX3726		2..CRFD ASSY		DWX3258
	2..MTRM ASSY		DWX3729				
	2..AFAD ASSY		DWX3727	⚠	1..SW POWER SUPPLY		DWR1555
	2..GRDM ASSY		DWX3862		1..LCD FULL MODULE SERVICE ASSY		DEA1053

4. BLOCK DIAGRAM

4.1 OVERALL WIRING DIAGRAM

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- 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.

- 部品を発注する場合は、必ず「分解図と部品表」または「電気部品表」を参照してください。
- ⚠ 印の部品は、安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
- ⬭ 印は電源の供給源を示しています。

Y CDCB ASSY (DWX3733)

L USBB ASSY (DWX3830)

AH (AH 1/2 - AH 2/2) LANB ASSY (DWX3842)

AI ILMB ASSY (DWX3858)

LCD FULL MODULE SERVICE ASSY (DEA1053)

O REJK ASSY (DWX3837)

N SEJK ASSY (DWX3838)

H AFAD ASSY (DWX3727)

A (A 1/11 - A 11/11) AINB ASSY (DWX3845)

M SEND ASSY (DWX3843)

U FAD1 ASSY (DWX3723)

V FAD2 ASSY (DWX3724)

W FAD3 ASSY (DWX3725)

X FAD4 ASSY (DWX3726)

F MTRM ASSY (DWX3729)

B TRM1 ASSY (DWX3715)

C TRM2 ASSY (DWX3716)

D TRM3 ASSY (DWX3717)

E TRM4 ASSY (DWX3718)

T (T 1/3 - T 3/3) PNLA ASSY (DWX3915)

G (G 1/24 - G 24/24) MAIN ASSY (DWX3829)

AK ACSW ASSY (DWX3722)

Z PNLB ASSY (DWX3720)

AA CRFD ASSY (DWX3258)

AC TRMA ASSY (DWX3840)

I REGB ASSY (DWX3721)

AF PNLR ASSY (DWX3839)

J USBP ASSY (DWX3832)

S HPP2 ASSY (DWX3841)

P HPPW ASSY (DWX3747)

AD AUXL ASSY (DWX3833)

AB AUXI ASSY (DWX3835)

AG PNLL ASSY (DWX3836)

AL GRDM ASSY (DWX3862)

USB CONNECTOR (A-TYPE)

K USBC ASSY (DWX3831)

R HPJM ASSY (DWX3739)

Q HPJK ASSY (DWX3738)

AE AUXR ASSY (DWX3834)

AJ (AJ 1/3 - AJ 3/3) SW POWER SUPPLY (DWR1555)

4.2 AUDIO SYSTEM BLOCK DIAGRAM

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4.3 DSP BLOCK DIAGRAM

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OLED OLED

Y CDCB ASSY
CN4906
CN7004
V+3R3 OLED
V+15OLED
V+3R3REF

U FAD1 ASSY CN7811 CN7006 V+3R3REF
V FAD2 ASSY CN7821 CN7007 V+3R3REF
W FAD3 ASSY CN7831 CN7008 V+3R3REF
X FAD4 ASSY CN7841 CN7009 V+3R3REF

T PNLA ASSY
IC7001 PANEL_CPU
V+3R3REF V+3R3E
IC7004 IC7003 V+3R3OLED
CN7001 CN7002 CN7003

AA CRFD ASSY CN4001 CN7502 CN7501 V+3R3REF
Z PNLB ASSY

G MAIN ASSY
IC1 MAIN_CPU AM3352
IC2 PMIC
V+3R3D_DIGI IC4508
V+2R5D IC4510 V+3R8D IC4504
IC4513 High side SW IC4505 V+5D
V+5LED IC4509 V+3R3REF
V+3R3D IC4506 V+1R285D IC4507 V+5D_DIGI IC4502

OUTPUT CIRCUIT
IC4515 V+3R3A_MDAC
IC4517 V+1R2A_MDAC
IC4516 V+3R3A_HP
IC4514 V+5A_HP V+5U
VMUTE V+12M
IC4501 V+5E
IC4512 V+15OLED V+15U

LCD FULL MODULE

AI ILMB ASSY V+5_SEL IC9801
AH LANB ASSY IC9003 V+3R3D_UL1

B TRIM1 ASSY CN6101 CN5201
C TRIM2 ASSY CN6201 CN5401
D TRIM3 ASSY CN6301 CN5601
E TRIM4 ASSY CN6401 CN5801
O REJK ASSY V+15A V-15A
A AINB ASSY IC5010 CN5002 CN5003 CN5004
M SEND ASSY CN6001

I REGB ASSY CN7601
IC7602 V+15A V+15U
IC7603 V-15A V-15U
IC7601 V+5A V+5U

AK ACSW ASSY LIVE NEUTRAL

AJ SW POWER SUPPLY
CN4502 P2 V+5U V+15U V-15U
CN4501 P4 V+12E V+12M
P3

AG PNLL ASSY V+12M V+5LED
AC TRIM A ASSY V+3R3REF
AB AUXI ASSY V+15A V-15A V+5A V+3R3A
H AFAD ASSY V+3R3REF

CN2 CN4701 USBA_VBUS USBB_VBUS
AF PNLR ASSY
L USBB ASSY
K USBC ASSY CN4801 CN4851 CN4852 V+5R2D IC4851
J USBP ASSY
S HPP2 ASSY CN4509 CN3901
P HPPW ASSY CN8201 CN8001 IC8001 IC8002 V+7HP V-7HP V+12M

*IC1専用の電源ICです。
生成される各電圧と入出力PINについては
10. 回路図(MAIN ASSY (4/24))を参照のこと。

* These are the dedicated power ICs for IC1.
For details on the generated voltage and input/output pins
of each power IC, see "MAIN ASSY (4/24)" in "10. SCHEMATIC DIAGRAM."

5. DIAGNOSIS
5.1 POWER ON SEQUENCE

DJM-TOUR1

A

| Power supply | Clock generator | PANEL UCOM | MAIN UCOM | USBC UCOM | DSP | SRC_DSP |

AM_SH_RDY setting [HIGH]

Handshake permission

Handshake request & notice of mode

[CDC] ← Communication

handshake response

Normal mode program road

Normal mode operation start

Normal mode initialization

Version request

Notice of version

Notices such as commands

[MFI] RESET ← Canceling reset [HIGH]

[MFI] ← Notice of information

[USBPSW] ON ← [USBPSW_EN] ON [HIGH]

[USBPSW] ← Notice of start completion [HIGH]

[USBB_CLK_GENN_I2C] ← Setting

[USBB_CLK_GEN_OEB] ← CLK_GEN [HIGH]

[AUDIO_CLK] ON

[ADC], [DAC] RESET ← Canceling reset [HIGH]

Canceling reset [HIGH]

Program road

AM_SDSP_RDY setting [LOW]

Handshake prohibition

Normal mode initialization start

AM_SDSP_RDY setting [HIGH]

Handshake permission

Handshake request

Handshake response

[D-IN_SRC_RESET] ← Canceling reset [HIGH]

Notices such as commands

Data table transfer

Normal mode initialization completion

Notice of start completion (Notice of error)

Canceling reset [HIGH]

Program road

AM_DSP_INT setting [HIGH]

Handshake prohibition

[USBC_CLK_GENN_I2C]

[USBC_CLK_GEN_OEB]

10us

[AUDIO_CLK] ON

Notice of DAC reset completion

[MASTER_DAC_SPI] ← Setting

[USBC_SRC] RESET ← Canceling reset [HIGH]

Normal mode initialization start

AM_DSP_INT setting [LOW]

Handshake permission

Handshake request

Handshake response

HPI communication confirmation request

HPI communication acknowledgement

Notices such as commands

Data table transfer

Normal mode initialization completion

[D-OUT_SRC], [DIT] RESET ← Canceling reset [HIGH]

Notice of start completion (Notice of error)

[DIR] RESET ← Canceling reset [HIGH]

[DIR], [DIT] ← Setting

Notice of all device start completion (Notice of error)

Notice of start completion (Notice of error)

[CPU_MUTE] OFF ← [CPU_MUTE] OFF [LOW]

Notice of MUTE cancellation completion

Notice of MUTE cancellation completion

Canceling software MUTE

DJM-TOUR1

5.2 TROUBLESHOOTING

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*Point to be checked – Assys are classified with prefix.
[1-**] PNLA Assy, MAIN Assy, SW POWER SUPPLY
[2-**] MAIN Assy, PNLA Assy
[3-**] AINB Assy, MAIN Assy, AUXI Assy
[4-**] MAIN Assy, HPPW Assy, HPJK Assy, HPJM Assy,
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[12-**] LANB Assy
[13-**] ILMI Assy, MAIN Assy, LANB Assy

■ Measurement Conditoion   Measure the output diagnosis at the CH1 LINE input.

IN or OUT	Measure CH	IN CH	IN LEVEL	IN FREQUENCY	RL	Other Settings	Other Settings
IN	LINE	CH1/2/3/4	0 dB	1K	—	TRIM LEVEL VR Center	—
IN	PHONO	CH1/2/3/4	-40 dB	1K	—	TRIM LEVEL VR Center	—
IN	DIGITAL	CH1/2/3/4	0 dB	1K	—	TRIM LEVEL VR Center	—
IN	MIC	MIC1/2	-40 dB	1K	—	TRIM LEVEL VR Max	Center all EQs
IN	RETURN	RETURN	0 dB	1K	—	Level/Depth VR Center	—
IN	AUX	AUX	0 dB	1K	—	AUX TRIM VR Center	—
IN	USB	USB1/2/3/4	0 dB	1K	—	TRIM LEVEL VR Center	—
IN	LAN	LINK	—	—	—	Connect with CDJ-2000NXS2	—
OUT	MASTER1/2	CH1/LINE	0 dB	1K	10 kΩ	MASTER LEVEL VR Center	Center all EQs/FADER Max
OUT	BOOTH	CH1/LINE	0 dB	1K	10 kΩ	BOOTH LEVEL VR Center	Center all EQs/FADER Max
OUT	REC	CH1/LINE	0 dB	1K	10 kΩ	—	Center all EQs/FADER Max
OUT	SEND	CH1/LINE	0 dB	1K	10 kΩ	—	Center all EQs/FADER Max
OUT	HP/HPmini	CH1/LINE	0 dB	1K	32 Ω	HP LEVEL Center	Center all EQs/FADER Max
OUT	HP2	CH1/LINE	0 dB	1K	32 Ω	HP LEVEL Center	Center all EQs/FADER Max
OUT	DIGITAL OUT	CH1/LINE	0 dB	1K	110 Ω	—	Center all EQs/FADER Max

Switch Type Setting

HP MONO/STEREO	: STEREO	CH FADER CURVE	: CENTER	RETURN TYPE	: INSERT
HP MIXING	: CENTER	CROSS FADER CURVE	: CENTER	CH CUE	: OFF
MIC SW	: OFF	CROSS FADER ASSIGN	: CENTER	MASTER CUE (HP1)	: ON
EQ CURVE	: EQ	SEND/RETURN	: 1/4" JACK	MASTER CUE (HP2)	: ON

UTILITY settings
Make sure to reset to the factory settings before you start checking.

[0] Prior Confirmation

[0-1] Checking Internal Cables

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Disconnection, breakage, or loose connection of internal cables	Relevant part	Check that all the cables are securely connected. Check that there is no breakage in the cables.	Securely connect the cables. If a cable is broken, replace it.	4.1 OVERALL WIRING DIAGRAM

[0-2] Prior confirmation of power

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Failure in the power source corresponding to the defective location	Power to the IC, etc. that is assumed to be defective	Check if there is a problem in power supplied to the location to be diagnosed.	If there is any problem, check the power source, referring to the "POWER BLOCK DIAGRAM" then repair.	4.4 POWER BLOCK DIAGRAM 5.3 INFORMATION ON POWER DIAGNOSTICS

[1] Failure in Startup

[1-1] The unit does not turn on, and the LED of the UTILITY (WAKE UP) button does not flash.

A V+12E power failure or PANEL UCOM (IC7001) startup error may be suspected.
If the LED of the UTILITY (WAKE UP) button flashes, see "5.3 INFORMATION ON POWER DIAGNOSTICS."

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Power failure, Wire defect	MAIN Assy CN4501-pin 1 [1-1]	Check for the V+12E power.	• If the V+12E power can be confirmed, go to [2]. • If the V+12E power cannot be confirmed, the SW POWER SUPPLY may be defective. Replace it.	4.4 POWER BLOCK DIAGRAM
2	Power failure	MAIN Assy CN4501-pin 4 [1-2]	Check for the V+5E power.	• If the V+5E power can be confirmed, go to [3]. • If the V+5E power cannot be confirmed, the IC4501 may be defective. Check for the status of soldering and replace it.	
3	Wire defect	PNLA Assy CN7001-pin 2 [1-4]	Check for the V+5E power.	• If the V+5E power can be confirmed, go to [4]. • If the V+5E power cannot be confirmed, the jumpers may be defective. Check for the status of soldering and replace it.	
4	Power failure	PNLA Assy IC7004-pin 5 [1-5]	Check for the V+3R3E power.	• If the V+3R3E power can be confirmed, go to [5]. • If the V+3R3E power cannot be confirmed, the parts may be defective. Check for the status of soldering and replace it.	
5	RESET signal error	PNLA Assy IC7001-pin 12 [1-6]	Check for the M16_XRST signal.	• If an output signal can be confirmed, go to [6]. • If an output signal cannot be confirmed, the RESET IC (IC7002) block may be defective. Check for the status of soldering and replace it.	——————
6	16 MHz CLK error	PNLA Assy X7001-pin 3 [1-7]	Check for the 16M_CLK signal. (16-MHz oscillation waveform at 1.65 V center)	• If an output signal cannot be confirmed, the crystal (X7001) block may be defective. Check for the status of soldering and replace it.	——————
7	PANEL UCOM defective	PNLA Assy	If the symptom persists after the above corrections.	The PANEL UCOM (IC7001) may be defective. Check for the status of soldering and replace it.	——————

[2] Error Indications

[2-1] "ERROR 1xxx" is displayed on the OLED.

A communication error of the corresponding IC was generated.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	• The clock generator cannot be reset. • The ADC/DAC cannot be initialized. • The DSP cannot be initialized. • The SRC_DSP cannot be initialized. • The USBC UCOM cannot be initialized.	MAIN UCOM (IC1) and its peripheral circuit	—————	The MAIN UCOM (IC1) may be defective. Replace the MAIN Assy.	—————

[2-2] "ERROR 2xxx" is displayed on the OLED.

A communication error of the corresponding IC was generated.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	• FLASH ROM error • USB HOST startup error • I2C error • USB communication error • Communication error between the MAIN UCOM and USBC UCOM	USBC UCOM (IC2004) and its peripheral circuit	—————	The USBC UCOM (IC2004) may be defective. Replace the MAIN Assy.	—————

[2-3] "ERROR 3xxx" is displayed on the OLED.

A communication error of the corresponding IC was generated.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	• SPI-BOOT error • SPI error • HPI error • SDRAM error	DSP (IC1001) and its peripheral circuit	————	The DSP (IC1001) may be defective. Replace the MAIN Assy.	————

[2-4] "ERROR 4xxx" is displayed on the OLED.

A communication error of the corresponding IC was generated.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	• SPI-BOOT error • SPI error • I2C error	SRC_DSP (IC1501) and its peripheral circuit	————	The SRC_DSP (IC1501) may be defective. Replace the MAIN Assy.	————

[2-5] "ERROR 5xxx" is displayed on the OLED.

A communication error of the corresponding IC was generated.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	• UART error	PANEL UCOM (IC7001) and its peripheral circuit	————	The PANEL UCOM (IC7001) may be defective. Replace the PNLA Assy.	————

[2-6] "ERROR 8xxx" is displayed on the OLED.

A communication error of the corresponding IC was generated.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	• Startup error	IC other than those indicated in "Diagnostics Point" of [2–1] to [2–5], and its peripheral parts	————	The part on the MAIN Assy may be defective. Replace the MAIN Assy.	————

[2-7] "ERROR 9xxx" is displayed on the OLED.

A communication error of the corresponding IC was generated.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	• Communication error between the MAIN UCOM and PANEL UCOM upon their startup • X-PAD startup error • Improper ROM status of the PANEL UCOM	• PANEL UCOM (IC7001) and its peripheral circuit • X-PAD TOUCH CONTROLLER (IC4902)	————	The PANEL UCOM (IC7004) or X-PAD TOUCH CONTROLLER (IC4902) may be defective. In a case of ERROR 9000 or 9002, replace the PNLA Assy. In a case of ERROR 9001, replace the PNLA or CDCB Assy.	————

[2-8] "ERROR 0000" is displayed on the OLED.

A communication error of the corresponding IC was generated.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	• Timeout for startup of the MAIN UCOM	MAIN UCOM (IC1) and its peripheral circuit	————	The MAIN UCOM (IC1) may be defective. Replace the MAIN Assy.	————

[3] AUDIO INPUT

[3-1] No signal is input to the LINE, PHONO connectors.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference

0	Prior Confirmation	• Input selector switch (A, B, DIGITAL, LINE, PHONO, RETURN)
		• TRIM control
		• Channel Level Indicator
			• Confirm on the screen that the selector is set properly.
			• Check if the Channel Level Indicator lights when an audio signal is input.
				• If the Channel Level Indicator lights:
				  There may be a failure on the OUTPUT side.
				  Go to [4] AUDIO OUTPUT.
				• If the Channel Level Indicator does not light:
				  Go to [1].
					Operating instructions

1	Defective parts	AINB Assy CH*_LINE_L/R, CH*_PHONO_L/R Representative CH1 3-1_LINE 3-1_PHONO	[Check of the input before the RELAY block] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is input, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [2].	————
2	Loose connection /defective parts	AINB Assy CH*_TRIM_OUT_L/R Representative CH1 3-2	[Check of the input after the TRIM circuit] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is input, a TRIM circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [3].	————

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
3	Defective parts	AINB Assy CH*_L+/L-/R+/R- Representative CH1 3-3	[Check of the input before the ADC circuit] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is input, an analog circuit must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [4].	———
4	Defective parts	AINB Assy IC5307 (CH1) IC5507 (CH2) IC5907 (CH3) IC5509 (CH4) Representative CH1 3-4	[Check of the input after the ADC circuit] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is input, a CH*_ADC signal circuit or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of IC5306, IC5506, IC5706 or IC5906, or replace it. • If an audio signal is input, go to [5].	———
5	Loose connection /defective parts	AINB Assy SEL_CH*_A/TC IC5307 (CH1) - pin 6 IC5507 (CH2) - pin 6 IC5907 (CH3) - pin 6 IC5509 (CH4) - pin 6 Representative CH1 3-5	[Check of the switching IC] Check if the SEL_CH*_A/TC signal is Low.	• If it is Low, go to [6]. • If it is High, a SEL_CH*_A/TC signal route or the MAIN Assy must be improperly soldered or defective. Check for the soldering status of part, or replace the MAIN Assy.	———
6	Defective parts	AINB Assy CH*_ANA_DATA CN5002 (CH1) - pin 38 CN5002 (CH2) - pin 32 CN5002 (CH3) - pin 14 CN5002 (CH4) - pin 8 Representative CH1 3-6	[Check of the input after the switching IC] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is input, the IC5307 (CH1), IC5507 (CH2), IC5907 (CH3) or IC5509 (CH4) must be improperly soldered or defective. Check for the soldering status of it, or replace it. • If an audio signal is input, go to [7].	———
7	Defective parts	MAIN Assy SEL_CH*_A/D IC1008 (CH1) - pin 6 3-7-1 IC1005 (CH2) - pin 6 3-7-2 IC1006 (CH3) - pin 6 3-7-3 IC1007 (CH4) - pin 6 3-7-4	[Check of the switching IC] Check if the SEL_CH*_A/D signal is Low.	• If it is Low, check for the soldering status of between IC1008 (CH1) pin 5, IC1005 (CH2) pin 5, IC1006 (CH3) pin 5, IC1007 (CH4) pin 5 and IC1001(DSP), or replace the MAIN Assy. • If it is High, a SEL_CH*_A/D signal route or the MAIN Assy must be improperly soldered or defective. Check for the soldering status of part, or replace the MAIN Assy.	———

[3-2] No signal is input to the DIGITAL connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	• Input selector switch (A, B, DIGITAL, LINE, PHONO, RETURN) • Channel Level Indicator	• Confirm on the screen that the selector is set properly. • Check if the Channel Level Indicator lights when an audio signal is input.	• If the Channel Level Indicator lights: There may be a failure on the OUTPUT side. Go to [4] AUDIO OUTPUT. • If the Channel Level Indicator does not light: Go to [1].	Operating instructions
1	Defective parts	MAIN Assy IC4001 (CH1) - pin 2 IC4101 (CH2) - pin 2 IC4201 (CH3) - pin 2 IC4301 (CH4) - pin 2 Representative CH1 3-9	[Check of the DIGITAL input] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is input, the IC4001 (CH1), IC4101(CH2), IC4201 (CH3), IC4301 (CH4) or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of it, or replace it. • If an audio signal is input, go to [2].	———
2	Defective parts	MAIN Assy IC4010 (CH1) - pin 9 IC4107 (CH2) - pin 9 IC4207 (CH3) - pin 9 IC4307 (CH4) - pin 9 Representative CH1 3-10	[Check of the DIGITAL input] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is input, the IC4002 (CH1), IC4102 (CH2), IC4202 (CH3), IC4302 (CH4) or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of it, or replace it. • If an audio signal is input, go to [3].	———
3	Defective parts	MAIN Assy SEL_CH*_A/D IC1008 (CH1) - pin 6 3-7-1 IC1005 (CH2) - pin 6 3-7-2 IC1006 (CH3) - pin 6 3-7-3 IC1007 (CH4) - pin 6 3-7-4	[Check of the switching IC] Check if the SEL_CH*_A/D signal is High.	• If it is Low, check for the soldering status of between IC1008 (CH1) pin 5, IC1005 (CH2) pin 5, IC1006 (CH3) pin 5, IC1007 (CH4) pin 5 and IC1001(DSP), or replace the MAIN Assy. • If it is Low, a SEL_CH*_A/D signal route or the MAIN Assy must be improperly soldered or defective. Check for the soldering status of part, or replace the MAIN Assy.	———

[3-3] No signal is input to the MIC1/MIC2 connectors.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	• OFF, ON, TALK OVER selector switch • Master Level Indicator	• Confirm on the screen that the selector is set properly. • Check if the Master Level Indicator lights when an audio signal is input.	• If the Master Level Indicator lights: There may be a failure on the OUTPUT side. Go to [4] AUDIO OUTPUT. • If the Master Level Indicator does not light: Go to [1].	Operating instructions
1	Defective parts	AINB Assy MIC*_LEVEL Representative MIC1 3-13	[Check of the corresponding input] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is input, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [2].	————
2	Loose connection /defective parts	AINB Assy MIC*_ADC_IN Representative MIC1 3-14	[Check of the input after the TRIM circuit] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is input, a TRIM circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [3].	————
3	Defective parts	AINB Assy CN5002 - pin 40 3-15	[Check of the input after the ADC circuit] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is input, the MIC_ADC or its peripheral circuit must be defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [4].	————
4	Loose connection	MAIN Assy CN4508 - pin 1 3-16	[Check of the input after the ADC circuit] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If an audio signal is input, the DSP (IC1001) may be defective. Replace the MAIN Assy. • If no audio signal is input, a jumper wire may be defective. Replace it.	————

[3-4] No signal is input to the RETURN connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	• SEND/RETURN (1/4" JACK, ⟵⟶) selector switch • SEND/RETURN ON/OFF button • SEND/RETURN LEVEL control	• Check that the type for SEND/RETURN selector switch is set to "1/4" JACK." • Check that the SEND/RETURN ON/OFF button is set to ON. • Check that the SEND/RETURN LEVEL control is set to other than MIN. *No signal is output from the RETURN connector if a signal is input only to the R channel. Even when the R channel is to be diagnosed, be sure to input a signal to the L channel, as well.	————	————
1	Defective parts	AINB Assy RETUEN_L/R 3-17	[Check of the corresponding input] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is input, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [2].	————
2	Defective parts	AINB Assy CN5002 - pin 2 3-18	[Check of the input after the ADC circuit] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is input, the RETURN_ADC signal or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of IC5102 or its peripheral circuit, or replace it. • If an audio signal is input, go to [3].	————
3	Loose connection	MAIN Assy CN4508 - pin 39 3-19	[Check of the input after the ADC circuit] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If an audio signal is input, the DSP (IC1001) may be defective. Replace the MAIN Assy. • If no audio signal is input, a jumper wire may be defective. Replace it.	————

[3-5] No signal is input to the AUX connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	• TRIM • CH level meter	• Confirm on the screen that the selector is set properly. • Check if the Channel Level Indicator lights when an audio signal is input.	• If the Channel Level Indicator lights: There may be a failure on the OUTPUT side. Go to [4] AUDIO OUTPUT. • If the Channel Level Indicator does not light: Go to [1].	Operating instructions
1	Loose connection /defective parts	AUXI Assy AUX_L_IN AUX_R_IN 3-20	[Check of the input before the TRIM circuit] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is input, a OPAMP circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [2].	————
2	Loose connection /defective parts	AUXI Assy AUX_L AUX_R 3-21	[Check of the input after the TRIM circuit] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is input, a TRIM circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [3].	————
3	Defective parts	AUXI Assy ADC_IN_L+/- ADC_IN_R+/- 3-22	[Check of the input before the ADC circuit] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is input, an analog circuit must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is input, go to [4].	————
4	Defective parts	MAIN Assy IC4522 AUX_DATA_IN 3-23	[Check of the input after the ADC circuit] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is input, the ADC signal or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of IC4522 or its peripheral circuit, or replace it. • If an audio signal is input, Replace the MAIN Assy.	————

[4] AUDIO OUTPUT

[4-1] No signal is output from the MASTER1/MASTER2 connectors.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Power supply confirmation	MAIN Assy IC3207 3pin, 5pin, 1pin, 7pin 4-0-1 4-0-2 4-0-3 4-0-4	Check that the pin 3 and pin 1 of IC3207 is 3.3 V, and the pin 5 and pin 7 of IC3207 is 1.2 V.	• Power supply is normal, go to [1]. • Power supply is abnormal, IC3207 or IC3201 its peripheral circuit must be improperly defective. Replace the MAIN Assy.	————
1	Output Confirmation	MASTER1 / MASTER2	Identify the connector(s) that does (do) not output signals.	• If neither MASTER 1 nor 2 connector outputs, go to [2]. • If only the MASTER 1 connector does not output, go to [7]. • If only the MASTER2 connector does not output, go to [8].	————
2	Defective parts	MAIN Assy DAC_RESET IC3201 - pin 8 4-1	[Checking the RESET signal] Check for the DAC_RESET signal level is Low.	• If it is Low, go to [3]. • If it is High, the DAC_RESET signal must be improperly soldered or defective. Check for the soldering status of part, or replace it.	————
3	Defective parts	MAIN Assy IC3201 pins 25, 60, 59 4-2 4-3 4-4	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, the DSP (IC1001) or AUDIO_CLK (IC3002) may be defective. Replace the MAIN Assy. • If an audio signal is output, go to [4].	————
4	Defective parts	MAIN Assy IC3201 - pins 14, 15, 34, 35 4-5 4-6 4-7 4-8	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, the IC3201 or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is output, go to [5].	————
5	Defective parts	MAIN Assy IC3206 - pins 1, 7, IC3208 - pins 1, 7 4-9 4-10 4-11 4-12	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC3206 or IC3208, or replace it. • If an audio signal is output, go to [6].	————
6	Defective parts	MAIN Assy IC3202 - pins 1, 7, IC3203 - pins 1, 7 4-13 4-14 4-15 4-16	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC3202 or IC3203, or replace it. • If an audio signal is output, go to [7].	————

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
7	Defective parts	MAIN Assy IC3204 - pins 1, 7, IC3205 - pins 1, 7 4-17 4-18 4-19 4-20	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If an audio signal is output, RY3201, RY3202 or its peripheral circuit must be improperly soldered or defective. Replace it. • If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC3204 or IC3205, or replace it.	————
8	Defective parts	MAIN Assy IC3403 - pins 1, 7 4-21 4-22	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If an audio signal is output, a jack or its peripheral circuit must be improperly soldered or defective. Replace it. • If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC3403, or replace it.	————

[4-2] No signal is output from the REC connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Power supply confirmation	MAIN Assy IC3207 3pin, 5pin, 1pin, 7pin 4-0-1 4-0-2 4-0-3 4-0-4	Check that the pin 3 and pin 1 of IC3207 is 3.3 V, and the pin 5 and pin 7 of IC3207 is 1.2 V.	• Power supply is normal, go to [1]. • Power supply is abnormal, IC3207 or IC3201 its peripheral circuit must be improperly defective. Replace the MAIN Assy.	————
1	Defective parts	MAIN Assy DAC_RESET IC3201 - pin 8 4-1	[Checking the RESET signal] Check for the DAC_RESET signal level is Low.	• If it is Low, go to [2]. • If it is High, the DAC_RESET signal must be improperly soldered or defective. Replace it.	————
2	Defective parts	MAIN Assy IC3201 pins 25, 60, 59 4-2 4-3 4-4	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, the DSP (IC1001) or AUDIO_CLK (IC3002) may be defective. Replace the MAIN Assy. • If an audio signal is output, go to [3].	————
3	Defective parts	MAIN Assy IC3201 - pins 4, 5, 44, 45 4-23 4-24 4-25 4-26	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, the IC3201 or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is output, go to [4].	————
4	Defective parts	MAIN Assy IC3401, IC3404 1pin, 7pin 4-27 4-28 4-29 4-30	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC3401 or IC3404, or replace it. • If an audio signal is output, go to [5].	————
5	Defective parts	MAIN Assy IC3402 - pins 1, 7 4-31 4-32	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If an audio signal is output, a jack or its peripheral circuit must be improperly soldered or defective. Replace it. • If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC3402, or replace it.	————

[4-3] No signal is output from the BOOTH connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Power supply confirmation	MAIN Assy IC3207 3pin, 5pin, 1pin, 7pin 4-0-1 4-0-2 4-0-3 4-0-4	Check that the pin 3 and pin 1 of IC3207 is 3.3 V, and the pin 5 and pin 7 of IC3207 is 1.2 V.	• Power supply is normal, go to [1]. • Power supply is abnormal, IC3207 or IC3201 its peripheral circuit must be improperly defective. Replace the MAIN Assy.	————
1	Defective parts	MAIN Assy DAC_RESET IC3201 - pin 8 4-1	[Checking the RESET signal] Check for the DAC_RESET signal level is Low.	• If it is Low, go to [2]. • If it is HIgh, the DAC_RESET signal must be improperly soldered or defective. Replace it.	————
2	Defective parts	MAIN Assy IC3201 pins 25, 60, 59 4-2 4-3 4-4	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, the DSP (IC1001) or AUDIO_CLK (IC3002) may be defective. Replace the MAIN Assy. • If an audio signal is output, go to [3].	————
3	Defective parts	MAIN Assy IC3201 - pins 2, 3, 46, 47 4-33 4-34 4-35 4-36	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, the IC3201 or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is output, go to [4].	————

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
4	Defective parts	MAIN Assy IC3606, IC3607 1pin, 7pin 4-37 4-38 4-39 4-40	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC3606 or IC3607, or replace it. • If an audio signal is output, go to [5].	————
5	Defective parts	MAIN Assy IC3602 - pins 1, 7, IC3603 - pins 1, 7 4-41 4-42 4-43 4-44	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, the IC3602, IC3603 or its peripheral circuit may be defective. Check for the soldering status of the IC3602, IC3603, or replace it. • If an audio signal is output, go to [6].	————
6	Defective parts	MAIN Assy IC3604 - pins 1, 7, IC3605 - pins 1, 7 4-45 4-46 4-47 4-48	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If an audio signal is output, a jack or its peripheral circuit is improperly soldered or defective. Replace it. • If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC3604 or IC3605, or replace it.	————

[4-4] No signal is output from the SEND connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Power supply confirmation	MAIN Assy IC3207 3pin, 5pin, 1pin, 7pin 4-0-1 4-0-2 4-0-3 4-0-4	Check that the pin 3 and pin 1 of IC3207 is 3.3 V, and the pin 5 and pin 7 of IC3207 is 1.2 V.	• Power supply is normal, go to [1]. • Power supply is abnormal, IC3207 or IC3201 its peripheral circuit must be improperly defective. Replace the MAIN Assy.	————
1	Defective parts	MAIN Assy DAC_RESET IC3201 - pin 8 4-1	[Checking the RESET signal] Check for the DAC_RESET signal level is Low.	• If it is Low, go to [2]. • If it is High, the DAC_RESET signal must be improperly soldered or defective. Replace it.	————
2	Defective parts	MAIN Assy IC3201 pins 25, 60, 59 4-2 4-3 4-4	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, the DSP (IC1001) or AUDIO_CLK (IC3002) may be defective. Replace the MAIN Assy. • If an audio signal is output, go to [3].	————
3	Defective parts	MAIN Assy IC3201 - pins 12, 13, 36, 37 4-49 4-50 4-51 4-52	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, the IC3201 or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is output, go to [4].	————
4	Defective parts	MAIN Assy CN3801 - pins 5, 8 4-57 4-58	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC3803, or replace it.	————

[4-5] No signal is output from the PHONES connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Output Confirmation	HP / HP_SUB	Identify the connector(s) that does (do) not output signals.	• If both signals are not output, go to [2]. • If either HP or SUB HP signal is not output, go to [4].	————
2	Defective parts	MAIN Assy DAC_RESET IC3904 - pin 1 4-68	[Checking the RESET signal] Check for the DAC_RESET signal level is High.	• If it is High, go to [3]. • If it is Low, the DAC_RESET signal must be improperly soldered or defective. Check for the soldering status of part, or replace it.	————
3	Defective parts	MAIN Assy IC3904 - pins 3, 4, 7, 9, 10 4-69 4-70 4-71 4-72 4-73	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, the DSP (IC1001) or AUDIO_CLK (IC3002) may be defective. Replace the MAIN Assy. If HP signal is not output, go to [4]. If SUB HP signal is not output, go to [8].	————
4	Defective parts	MAIN Assy IC3901 - pins 5, 7 4-74 4-75	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, the IC3902 or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of part, or replace it. • If an audio signal is output, go to [5].	————
5	Loose connection	HPPW Assy CN8201 - pins 8, 10 4-76 4-77	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If the audio signal is not output, cables are supposed to be defective. Replace the cables. When the malfunction is not recovered even if replacing the cables, go to [6].	————

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
6	Defective parts	HPPW Assy If HP signal is not output IC8202 1pin, 7pin 4-78 4-79 If HP mini signal is not output IC8201 1pin, 7pin 4-80 4-81	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC8202 or its peripheral circuit, or replace it. • If an audio signal is output, go to [7].	─────
7	Loose connection /defective parts	HPPW Assy If HP signal is not output IC8202 5pin, 7pin 4-82 4-83 If HP mini signal is not output IC8201 1pin, 7pin 4-84 4-85	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is HP output, the RELAY or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of RY8201, or replace it. • If no audio signal is HPmini output, the RELAY or its peripheral circuit must be improperly soldered or defective. Check for the soldering status of RY8201, or replace it. • If an audio signal is output, The jack and cables of HPJK Assy are supposed to be defective. Replace the cables.	─────
8	Defective parts	HPP2 Assy If HP SUB signal is not output CN8801 4pin, 6pin 4-86 4-87	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is SUB HP output, the IC3901 or its peripheral circuit must be improperly soldered or defective. • If an audio signal is output, go to [9].	─────
9	Defective parts	HPP2 Assy IC8801 1pin, 7pin 4-88 4-89	[Check of the audio output] Check the audio signal (sine wave) in the above-mentioned signal path.	• If no audio signal is output, an analog circuit at a previous stage must be improperly soldered or defective. Check for the soldering status of the IC8801 or its peripheral circuit, or replace it. • If an audio signal is output, the RELAY circuit must be improperly soldered or defective. Check for the soldering status of RY8202, or replace it.	─────

[4-6] No signal is output from the DIGITAL MASTER OUT connector.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Defective parts	MAIN Assy DOUT_SRC/DIT_XRST 4-59	[Checking the RESET signal] Check for the DOUT_SRC/DIT_XRST signal level is High.	• If it is High, go to [2]. • If it is Low, the DOUT_SRC/DIT_XRST signal must be improperly soldered or defective. Check for the soldering status of part, or replace it.	─────
2	Defective parts	MAIN Assy IC4401 - pins 7 to 9 4-60 4-61 4-62	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, the DSP (IC1001) or AUDIO_CLK (IC3002) may be defective. Replace the MAIN Assy. • If an audio signal is output, go to [3].	─────
3	Defective parts	MAIN Assy IC4402 - pins 1 to 4 4-63 4-64 4-65 4-66	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, the IC4401 or its peripheral circuit may be defective. Check for the soldering status of part, or replace it. • If an audio signal is output, go to [4].	─────
4	Defective parts	MAIN Assy IC4403 - pin 4 4-67	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, the IC4403 or its peripheral circuit may be defective. Check for the soldering status of part, or replace it. • If an audio signal is output, go to [5].	─────
5	Defective parts	MAIN Assy	─────	• If no audio signal is output, the T4401 or its peripheral circuit may be defective. Check for the soldering status of part, or replace it.	─────

DJM-TOUR1

[5] DVS

[5-1] A device connected to the USB connector cannot be recognized.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	• Input selector switch (A, B, DIGITAL, LINE, PHONO, RETURN) • TRIM control • Channel Level Indicator	• Check that the Input selector switch is set to A or B. • Install the latest version of the driver. • Check that the settings for the DJM-TOUR1 Utility of the PC are correct.	If there is any problem in the checked items, make corrections.	Operating instructions

1	Loose connection	MAIN Assy
		USBA:
		  CN2 - pins 2 to 4
		  5-1 5-2 5-3
		USBB:
		  CN2 - pins 7 to 9
		  5-4 5-5 5-6
			[Power]
			Check that the C voltage is about 5 V (4.75–5.25) while the unit is connected with a PC.
			
			[D±USB]
			Check that a waveform can be observed while the unit is connected with a PC.
				[Power]
				• If the voltage is not normal, a jumper wire or USBB Assy may be defective. Replace it.
				• If the voltage is normal, go to [2].
				
				[D±USB]
				• If the voltage is not normal, a jumper wire or USBB Assy may be defective. Replace it.
				• If the above items are OK, go to [2].
					————

2	Defective parts	MAIN Assy
		USBA: IC14 - pin 4
		  5-7
		USBB: IC15 - pin 4
		  5-8
			Check that the C voltage is about 5 V (4.75–5.25) while the unit is connected with a PC.	• If the voltage is normal, the MAIN UCOM (IC1) may be defective. Replace it.
				• If the voltage is not normal, a part may be defective. Replace it.
					————

[6] Indicator (OLED/LED) not lit

PANEL UCOM (IC7001) controls the OLED/LED.

[6-1] The OLED does not light.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Power failure	PNLA Assy CN7002 - pin 8 6-1	Check for the V+15OLED power.	• If the V+15OLED power cannot be confirmed, go to [2]. • If the V+15OLED power can be confirmed, go to [4].	4.4 POWER BLOCK DIAGRAM 5.3 INFORMATION ON POWER DIAGNOSTICS
2	Power failure / wire defect	MAIN Assy CN4505 - pin 12 6-2	Check for the V+15OLED power.	• If the V+15OLED power can be confirmed, a jumper wire may be defective. Replace it. • If the V+15OLED power cannot be confirmed, the IC4512 must be improperly soldered or defective. Replace it.	4.1 OVERALL WIRING DIAGRAM 4.4 POWER BLOCK DIAGRAM 5.3 INFORMATION ON POWER DIAGNOSTICS
3	Power failure	PNLA Assy IC7003 - pin 5 6-3	Check for the V+3R3OLED power.	• If the V+3R3OLED power can be confirmed, go to [4]. • If the V+3R3OLED power cannot be confirmed, the IC7003 must be improperly soldered or defective. Replace it.	4.4 POWER BLOCK DIAGRAM 5.3 INFORMATION ON POWER DIAGNOSTICS
4	Wire defect	CDCB Assy CN4906 - pin 24 6-4 [V+15OLED] CN4906 - pin 23 6-5 [V+3R3OLED]	Check for each power.	• If each power can be confirmed, go to [5]. • If each power cannot be confirmed, a jumper wire may be defective. Replace it.	4.4 POWER BLOCK DIAGRAM 5.3 INFORMATION ON POWER DIAGNOSTICS
5	Signal errors	PNLA Assy CN7004 • Common to the upper and lower OLEDs Pin 4: OLED_SCL 6-6 Pin 5: OLED_MOSI 6-7 Pin 9: OLED_XRST 6-8 • Each OLED Pin 8: OLED_CS1 6-9 Pin 10: OLED_A0_1 6-10 Pin 11: OLED_CS2 6-11 Pin 7: OLED_A0_2 6-12	Check the output signal and wire connection of the OLED communication line in the PNLA Assy. • Common to the upper and lower OLEDs OLED_SCL, OLED_MOSI, OLED_XRST • Upper OLED OLED_CS1, OLED_A0_1 • Lower OLED OLED_CS2, OLED_A0_2	• If no signal is output, check the mounting status of the PANEL UCOM (IC7001). If it is properly mounted, the port may be damaged. Replace it. If wire connection is improper, resolder it. • If the signal is normal, go to [6].	————

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
6	Signal errors	CDCB Assy CN7004 • Common to the upper and lower OLEDs Pin 21: OLED_SCL 6-13 Pin 20: OLED_MOSI 6-14 Pin 16: OLED_XRST 6-15 • Each OLED Pin 17: OLED_CS1 6-16 Pin 15: OLED_A0_1 6-17 Pin 14: OLED_CS2 6-18 Pin 18: OLED_A0_2 6-19	Check the output signal and wire connection of the OLED communication line in the CDCB Assy. • Common to the upper and lower OLEDs OLED_SCL, OLED_MOSI, OLED_XRST • Upper OLED OLED_CS1, OLED_A0_1 • Lower OLED OLED_CS2, OLED_A0_2	• If no signal is output, the wire may be in failure. Replace it. • If the signal is normal, go to [7].	—————
7	Defective OLED	CDCB Assy	Check the connection of the OLED wire.	Disconnect the OLED wire, then reconnect it. If the OLED does not light, the part may be defective. Replace it.	—————

[7] X-PAD

PANEL UCOM (IC7001) controls the X-PAD.

[7-1] Pressing on the X-PAD not be detected

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Loose connection	PNLA Assy CDCB Assy	Check for loose connection on the signal line from the power source and PANEL UCOM (IC7001) to the X-PAD TOUCH CONTROLLER (IC4902).	• If any connection on the power or signal line is improper, correct it. • If the signal is normal, go to [2].	—————
2	Signal errors	PNLA Assy CN7004 Pin 12 7-1 Pin 13 7-2 Pin 14 7-3 Pin 15 7-4 Pin 17 7-5 Pin 18 7-6 Pin 19 7-7	Check for input and output signals of the communication line of the X-PAD TOUCH CONTROLLER (IC4902) in the PNLA Assy when power is supplied and the unit is turned on. • V+3R3REF (power) • CDC_XRST • CDC_XINT • CDC_CS • CDC_SCK • CDC_SO • CDC_SI	• If there is no signal when the unit is turned on, check the mounting status of PANEL UCOM (IC7001). If there is no problem, the port may be defective. Replace it. • If the signal is normal, go to [3].	4.4 POWER BLOCK DIAGRAM 5.3 INFORMATION ON POWER DIAGNOSTICS
3	Signal errors	CDCB Assy CN7004 Pin 13 7-8 Pin 12 7-9 Pin 11 7-10 Pin 10 7-11 Pin 8 7-12 Pin 7 7-13 Pin 6 7-14	Check for input and output signals of the communication line of the X-PAD TOUCH CONTROLLER (IC4902) in the CDCB Assy when power is supplied and the unit is turned on. • V+3R3 (power) • CDC_XRST • CDC_XINT • CDC_CS • CDC_SCK • CDC_SO • CDC_SI	• If there is no signal when the unit is turned on, the wires may be in failure. Replace them. • If the signal is normal, go to [4].	4.4 POWER BLOCK DIAGRAM 5.3 INFORMATION ON POWER DIAGNOSTICS
4	Touch sensor IC defective	PNLA Assy (the same points checked in No.2)	Check that the input and output signals of the touch sensor IC communication line in the PNLA Assy with the X-PAD touched in normal operation. (the same points checked in No.2)	If there are no input or output signals, the X-PAD TOUCH CONTROLLER (IC4902) may be defective. As this part cannot be replaced, replace the Assy.	—————

[8] LAN

[8-1] No LAN communication

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	———	Device Test in Test mode, and check if normal status is displayed for LAN, MACAd, IPAdd, and Subn.	• If all show normal status, go to [1]. • If LAN is NG, go to [2]. If MACAd, IPAdd, and Subn are abnormal, data stored in the FLASH (IC8) for the MAIN UCOM may be damaged. Replace the entire MAIN Assy. Note: The FLASH (IC8) is not a service part for MAC address administration. Replace it with the MAIN Assy.	6.1 TEST MODE
1	Defective parts	MAIN Assy RMII_CLK 8-2	[Checking the CLK signal] Confirm that the RMII_CLK signal is 50 MHz oscillation.	• If the signal oscillates, go to [2]. • If the signal does not oscillate, soldering in the RMII_CLK signal path is supposed to be defective. Confirm the soldering condtion of X2 and peripheral circuits.	———

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No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
2	Defective parts	MAIN Assy IC16 7pin, 18pin 8-3 8-4	[Check of the communication signal] Except when the signal is fixed at Low or High, check that the circuits in the above-mentioned signal path function properly.	• If the signal is abnormal, any part in the signal path may be in failure. Check the soldering status. • If the signal is normal, go to [3].	_____
3	Defective parts	LANB Assy IC9202 - pins 1 8-5	[Check of the RESET signal] Check for the RST signal level is High.	• If it is High, go to [4]. • If it is Low, the IC9202 must be improperly soldered or defective. Check for the soldering status of part, or replace it.	_____
4	Defective parts	LANB Assy IC9003 - pins 5 8-6	[Check of the power supply of the HUB_IC] Check if an 3.3 V signal exists.	• If a 3.3 V signal exists, go to [5]. • If it is Low, the IC9003 must be improperly soldered or defective. Check for the soldering status of part, or replace it.	_____
5	Defective parts	LANB Assy IC9205 - pins 74 8-7	[Check of the CLK signal] Confirm that the signal oscillates in 25 MHz.	• If the signal oscillate, go to [6]. • If the signal does not oscillate, the X9201 signal route must be improperly soldered or defective. Check for the soldering status of part.	_____
6	Defective parts	LANB Assy IC9001 - pins 21 8-8	[Check of the CLK signal] Confirm that the signal oscillates in 25 MHz.	• If the signal oscillate, go to [7]. • If the signal does not oscillate, the X9001 signal route must be improperly soldered or defective. Check for the soldering status of part.	_____
7	Defective parts	MAIN Assy	If the symptom persists after the above corrections.	LAN PHY (IC16) , IC9001 or IC9205 may be defective. Replace it.	_____

[9] Crossfader

[9-1] Abnormal function of the crossfader

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Calibration	Calibration	Perform calibration in the Test mode to check if the crossfader functions properly.	If calibration is not possible or fails, go to [9-2].	6.1 TEST MODE

[9-2] The crossfader is inoperable.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	The CRFD Assy is not functioning.	CRFD Assy [Power supply] V+3R3REF IC4001 - pin 5 [GND] GNDREF IC4001 - pin 5 [AD_CRS_FADER signal] IC4001 - pin 4, R4002, R4003 9-1	[Power] Check that AC power is supplied properly. [GND] Check that GNDREF is connected with GNDD in the MAIN Assy. [AD_CRS_FADER signal] Check the AD_CRS_FADER signal at each diagnostic point while operating the crossfader.	• [Power] If there is any abnormality, soldering of IC4001 may be defective. If the symptom persists after resoldering the defective part, go to [2]. • [GND] If there is any abnormality, soldering of IC4001 may be defective. If the symptom persists after resoldering the defective part, go to [2]. • [AD_CRS_FADER signal] If no signal is output, soldering of the resistor or IC4001 may be defective. Repair or replace the part with a good one. • If no problem is found with the above parts, go to [2].	_____
2	Loose connection	PNLB Assy [Power supply] V+3R3REF_L CN7502 - pin 3 [GND] GNDD_REF_L CN7502 - pin 1 [CROSS_FADER signal] CN7502 - pin 2 same as 9-1	[Power] Check that AC power is supplied properly. [GND] Check that GNDD_REF_L is connected with GNDREF in the CRFD Assy. [CROSS_FADER signal] Check the CROSS_FADER signal at the diagnostic point while operating the crossfader.	• [Power] If power is supplied properly, there may be a break in a cable. If power is not supplied properly, go to [3]. • [GND] If connection is properly made, there may be a break in a cable. If connection is not properly made, go to [3]. • [CROSS_FADER signal] If no signal is output, there may be a break in a cable. Replace the part. • If the symptom persists after the above corrections, go to [3].	_____

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
3	Loose connection	PNLB Assy [Power supply] V+3R3REF_L CN7501 - pin 28 [GND] GNDD_REF_L CN7501 - pin 21 [CROSS_FADER signal] CN7501 - pin 27 same as 9-1	[Power] Check that AC power is supplied properly. [GND] Check that GNDD_REF_L is connected with GNDD_REF_L in the PNLA Assy. [CROSS_FADER signal] Check the CROSS_FADER signal at the diagnostic point while operating the crossfader.	• [Power] If power is supplied properly, there may be a break in a cable inside the board. If power is not supplied, go to [4]. • [GND] If connection is proper, there may be a break in a cable inside the board. If connection is not properly made, go to [4]. • [CROSS_FADER signal] If no signal is output, there may be a break in a cable inside the board. Replace the Assy. • If the symptom persists after the above corrections, go to [4].	———
4	Loose connection	PNLA Assy [Power supply] V+3R3REF_L CN7003 - pin 28 [GND] GNDD_REF_L CN7003 - pin 21 [CROSS_FADER signal] CN7003 - pin 27 same as 9-1	[Power] Check that AC power is supplied properly. [GND] Check that GNDD_REF_L is connected with GNDD_REF_L in the PNLB Assy. [CROSS_FADER signal] Check the CROSS_FADER signal at the diagnostic point while operating the crossfader.	• [Power] If power is supplied properly, there may be a break in a cable. If power is not supplied, there may be a break in a cable inside the board. • [GND] If power is supplied properly, there may be a break in a cable. If power is not supplied, there may be a break in a cable inside the board. • [CROSS_FADER signal] If no signal is output, there may be a break in a cable inside the board. Replace the Assy. • If the symptom persists after the above corrections, go to [5].	———
5	Loose connection / PANEL UCOM defective	PNLA Assy [CROSS_FADER signal] R7007, IC7001 - pin 87 same as 9-1	[CROSS_FADER signal] Check the CROSS_FADER signal at the diagnostic point while operating the crossfader.	• [CROSS_FADER signal] If no signal is output, soldering of the resistor or PANEL UCOM (IC7001) may be defective. Repair or replace the part with a good one.	———

[10] USBC

[10-1] A connected device does not recognize the unit.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Loose connection	USBP Assy CN4851 - pins 5, 6 10-1	Check if an approximately 12-V signal exists.	• If a 12 V signal exists, go to [2]. • If the signal is not 12 V, the cable between the MAIN and USBP Assys may be in failure. Replace it.	———
2	Defective parts	USBP Assy IC4852 - pins 2, 3 10-2	Check if an approximately 5.2 V signal exists.	• If a 5.2 V signal exists, go to [3]. • If the signal is not 5.2 V, IC4851 may be in failure. Replace it.	———
3	Defective parts	USBP Assy USBPSW_FA IC4852 - pin 8 10-3	[Checking the communication signal] Check for the USBPSW_FA signal level is High.	• If it is High, go to [4]. • If it is Low, the USBPSW_FA signal route must be improperly soldered or defective. Check for the soldering status of part, or replace it.	———
4	Defective parts	USBP Assy USBPSW_EN IC4852 - pin 4 10-4	[Checking the communication signal] Check for the USBPSW_EN signal level is High.	• If it is High, go to [5]. • If it is Low, the USBPSW_EN signal route must be improperly soldered or defective. Check for the soldering status of part, or replace it.	———
5	Defective parts	———	If the symptom persists after the above corrections.	The connected device may be in failure.	———

[10-2] SEND/RETURN not possible

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	• SEND/RETURN (1/4" JACK, ↔) selector switch • SEND/RETURN ON/OFF button • SEND/RETURN LEVEL control	• Check that the type for SEND/RETURN selector switch is set to "↔." • Check that the SEND/RETURN ON/OFF button is set to ON. • Check that the SEND/RETURN LEVEL control is set to other than MIN.	————	————
1	Defective parts	MAIN Assy USBC_SRC_XRST [10-5]	[Checking the RESET signal] Check for the USBC_SRC_XRST signal level is High.	• If it is High, go to [2]. • If it is Low, the USBC_SRC_XRST signal route must be improperly soldered or defective. Check for the soldering status of part, or replace it.	————
2	Defective parts	MAIN Assy IC2008: pins 7 to 9 [10-6] [10-7] [10-8] IC2009: pins 12, 13 [10-9] [10-10]	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If an audio signal is output, go to [3]. • If no audio signal is output, the DSP (IC1001) or AUDIO_CLK (IC3002) may be defective. Replace the MAIN Assy.	————
3	Defective parts	MAIN Assy IC2008: pins 12 to 14 [10-11] [10-12] [10-13] IC2009: pins 7 to 9 [10-12] [10-13] [10-14]	[Check of the audio output] Except when the audio signal is fixed at Low or High, check the audio signal in the above-mentioned signal path.	• If no audio signal is output, the DSP (IC1001) or AUDIO_CLK (IC3002) may be defective. Replace the MAIN Assy.	————

[11] WORD CLK

[11-1] Malfunctioning in WORD CLK

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Loose connection	MAIN Assy CN3 3pin [11-1]	Confirm if WORD CLK is input.	• When the signal is input, go to [2]. • If the signal is not input, the cables between MAIN and LANB Assys are supposed to be defective. Replace the cables or LANB Assy.	————
2	Defective parts	MAIN Assy IC4404 3pin [11-2]	Confirm if WORD CLK is input.	• When the signal is input, go to [[4-6] No signal is output from the DIGITAL MASTER OUT connector.] item. • If the signal is not input, IC4405 to IC4409 are supposed to be defective. Replace the MAIN Assy.	————

[12] INTERNET

[12-1] Unable to connect to the INTERNET

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
0	Prior Confirmation	————	Device Test in Test mode, and check if normal status is displayed for LAN, MACAd, IPAdd, and Subn.	• If all show normal status, go to [2]. If MACAd, IPAdd, and Subn are abnormal, data stored in the FLASH (IC8) for the MAIN UCOM may be damaged. Replace the entire MAIN Assy. Note: The FLASH (IC8) is not a service part for MAC address administration. Replace it with the MAIN Assy.	————
1	Loose connection	LANB Assy CN9001	Confirm if the cables are connected normally.	• When the cable connection is normal, the LCD module is supposed to be defective. Replace the LCD module. • If the cable connection is defective, replace the cables. •If the malfunction is not recovered by the above way, IC900 and the peripheral circuits are supposed to be defective. Replace the LANB Assy.	————

[13] LCD display module (13 inch)

The LCD display module (13 inch) does not work, but display (7 inch) is working.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	Power is not supplied properly.	ILMB Assy	Check the voltage (5 V) about JA9803_pin1.	DCDC converter (IC9801) or high side switch (IC9804) circuit is defective. Repair it. If not, parts is defective. Replace the defective part.	—————
2	The LCD display module (13 inch) is defective.	—————	—————	The LCD display module (13 inch) is defective. Replace the LCD display module (13 inch).	—————

It does not synchronize the LCD display module (13 inch) and display (7 inch).

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	It is not set pairing.	—————	Check settings about pairing.	Set pairing.	—————
2	The control signal or related devices is defective.	LANB Assy MAIN Assy	Confirm the connecting condition of the each peripheral circuits of IC9001 and IC9205 in LANB Assy, and IC16 in MAIN Assy.	• If there is some problem in IC9001 and IC9205 in LANB Assy, replace the LANB Assy. • If there is some problem in IC16 in MAIN Assy, replace the LANB Assy. • If the problem is not recovered by the above replacement, go to [2].	—————
3	The LCD display module (13 inch) is defective.	—————	—————	The LCD display module (13 inch) is defective. Replace the LCD display module (13 inch).	—————

The LCD display module (13 inch) displayed defective (noise etc...) or not work touch panel.

No.	Cause	Diagnostics Point	Item to be Checked	Corrective Action	Reference
1	The LCD display module (13 inch) is defective.	—————	—————	The LCD display module (13 inch) is defective. Replace the LCD display module (13 inch).	—————

5.3 INFORMATION ON POWER DIAGNOSTICS

■ Power monitoring circuit

The PANEL UCOM (IC7001) of this unit always monitors various power voltages and will shut the secondary power source off immediately once an error is detected.

In such a case, the LED of the QUANTIZE (WAKE UP) button flashes.

■ Monitored power voltages

The name of a power source denotes its voltage. (Example: V+3R3A, denoting 3.3 V)

V+15A	V+15OLED	V+3R3A	V+5A	V+5A_DACREF
V-15A	V+1R285D	V+2R5D	V+3R3D	V+3R3D_DIGI
V+3R3REF	V+3R8D	V+5D	V+7HP	V-7HP

■ Outline of the detection system

• An error-alert signal (FAULT_DET) is issued by the voltage-monitoring block.
• The PANEL UCOM issues a signal for interrupting SW POWER supply (ANA_P_CON, DIGI_P_CON) if an error is detected.
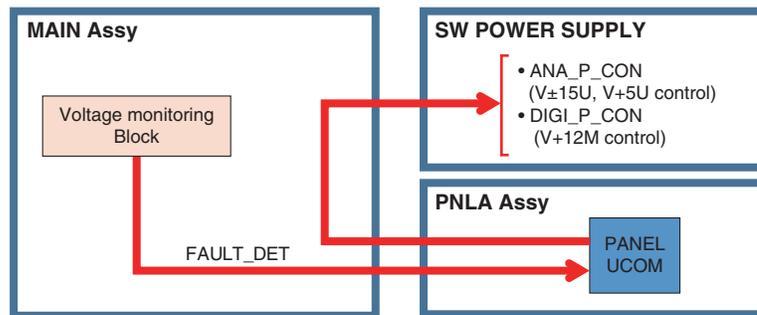
■ Diagnostic procedure

Error Detection OFF mode

You can turn the unit on even during a shutoff of the secondary power triggered by a voltage error, by entering Error Detection OFF mode. To enter this mode, while holding the MIDI ON/OFF buttons and SOUND COLOR FX (DUB ECHO) button pressed simultaneously, press the POWER button (to set it to ON).
Note: This mode is provided only to identify power in failure.
Be careful not to keep the power on any longer than necessary. Having the power on in such condition may damage the IC.

① With the unit turned off, check if the monitored voltages are short-circuited with GND.
② While monitoring each voltage, turn the unit on in Error Detection OFF mode, then check for an error.

Note: Limit the duration of Error Detection OFF mode to no more than 10 seconds at a time.

5.4 ERROR INDICATIONS

■ Normal startup

Error code	Cause	Item to be checked
ERROR 1xxx	MAIN UCOM • The clock generator cannot be reset. • The ADC/DAC cannot be initialized. • The DSP cannot be initialized. • The SRC_DSP cannot be initialized. • The USBC UCOM cannot be initialized.	See [2-1] in "5.2 TROUBLESHOOTING."
ERROR 2xxx	USBC UCOM • FLASH ROM error • USB HOST startup error • I2C error • USB communication error • Communication error between the MAIN UCOM and USBC UCOM	See [2-2] in "5.2 TROUBLESHOOTING."
ERROR 3xxx	DSP • SPI-BOOT error • SPI error • HPI error • SDRAM error	See [2-3] in "5.2 TROUBLESHOOTING."
ERROR 4xxx	SRC_DSP • SPI-BOOT error • SPI error • I2C error	See [2-4] in "5.2 TROUBLESHOOTING."
ERROR 5xxx	PANEL UCOM • UART roor	See [2-5] in "5.2 TROUBLESHOOTING."
ERROR 8001	Timeout for startup of the clock generator	See [2-6] in "5.2 TROUBLESHOOTING."
ERROR 8002	Timeout for startup of the ADC/DAC	
ERROR 8004	Timeout for startup of the DSP	
ERROR 8008	Timeout for startup of the SRC_DSP	
ERROR 8010	Timeout for startup of the USBC UCOM	
ERROR 8xxx	Timeout for startup of the clock generator, ADC DAC, DSP, SRC_DSP, and/or USBC UCOM	
ERROR 9000	Communication error between the MAIN UCOM and PANEL UCOM upon their startup	See [2-7] in "5.2 TROUBLESHOOTING."
ERROR 9001	X-PAD startup error	
ERROR 9002	Improper ROM status of the PANEL UCOM	
ERROR 0000	Timeout for startup of the MAIN UCOM	See [2-8] in "5.2 TROUBLESHOOTING."

■ Updating start

Error code	Cause	Item to be checked
E01	File error • No UPD file is found. • Multiple UPD files are found. • The file size is larger than the maximum theoretical value.	Check that the UPD file is a proper one.
E02	File check error • Model name error • CRC error	
E10	USBC UCOM error • Communication error • FLASH rewriting error	See [2-2] in "5.2 TROUBLESHOOTING."
E20	PANEL UCOM error • Communication error • FLASH rewriting error	See [2-7] in "5.2 TROUBLESHOOTING."
E40	MAIN UCOM error • FLASH rewriting error	See [2-1] in "5.2 TROUBLESHOOTING."
E80	Communication error • LCD module communication error	
Ex0	Combination of errors E10, E20, and E40	See the item corresponding to each error in "5.2 TROUBLESHOOTING."

5.5 CONNECTION CHECK WITH EACH INTERFACE

■ USB

[1. USB B connector]

Whether communication between the PC connected via the USB B connector and this unit is properly performed or not can be confirmed on the PC.
Note: The driver software must be installed beforehand.

• For checking, use the USB connection indicator of the unit.
Lit   : The indicator lights when the driver is recognized after connection with the PC is established.
Flashing : If the driver cannot be recognized after PC connection, the LED flashes (Intervals: 500 ms [lit: 250 ms/unlit: 250 ms]).
Unlit   : When communication between the PC and the unit is interrupted, the LED goes dark.

• Use Device Manager for checking.
If the PC and this unit are properly connected, the components of this unit are added in Device Manager (under Hardware) as devices. If all components are properly displayed, the PC and this unit are properly communicating via the USB connector.

In a case of Windows 7:
Start, Control Panel, System, Hardware, then Device Manager
Devices to be added:
    • Universal Serial Bus controllers
      USB Composite Device
    • Under "Sound, video and game controllers"
      DJM-TOUR1
      DJM-TOUR1
    • Human Interface Device
      HID Conformity Device
      USB Input Device
A communication check may be easily performed if connection is made with Device Manager displayed on the PC screen.
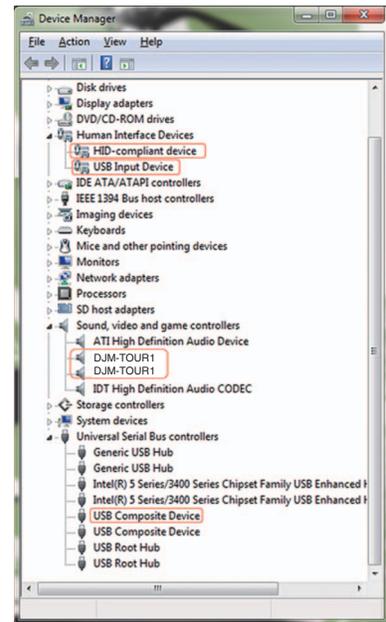
[2. USB A connector]

Check that communication between this unit and the external device connected via the USB A connector is properly performed.
Note: A USB memory device is required for checking.

• For checking, use the USB connection indicator of the unit.
Unlit   : No USB memory device is plugged in.
Flashing : The unit is in the process of recognizing the connected USB memory device.
      (Flashing intervals: 500 ms [lit for 250 ms, unlit for 250 ms])
Lit   : The USB memory device was properly recognized.

■ LAN

[3. LINK]

You can check from this unit if the mixer can properly communicate via LAN.
*Use a Category 5 cable or a cable with higher specifications for connection.
Either a straight or cross LAN cable can be used when the unit is directly connected with the PC, but when the unit is connected with the PC via a hub, be sure to use a straight cable.

• Check the LAN conditions, using Test mode of this unit:
① Start the unit in Test mode.
② Open "DEVICE" in "MODE 12: DEVICE TEST."
③ The IP Address and Subnet Mask are indicated.
④ Check if the LAN is properly connected.

When the LAN is properly connected:
    IP Address: xxx . xxx . xxx . xxx
    Subnet Mask: yyy . yyy . yyy . yyy
    The above x's and y's mean any numeric digits 0–9.
    Four blocks of numerical string delimited by dots

When the LAN is not properly connected:
    IP Address: EE . EE . EE . EE
    Subnet Mask: EE . EE . EE . EE
    All four blocks are filled with "EE."

6. SERVICE MODE
6.1 TEST MODE

1. Description of Test Modes

The Following test modes are provided for this unit:

■ Tablet test mode

■ Mixer test mode

① Mode 1 : Software version confirmation mode. "Version"

② Mode 2 : Crossfader calibration mode. "CFDR SET"

③ Mode 3 : All LEDs Unlit mode. "ALL CLEAR"

④ Mode 4 : All LEDs Lit mode. "ALL SET"

⑤ Mode 5 : Keys operating test mode. "KEY TEST"

⑥ Mode 6 : Selector SWs operating test mode. "SW TEST"

⑦ Mode 7 : Rotary VRs value confimation mode. "VOL TEST"

⑧ Mode 8 : Faders value confimation mode. "FDR TEST"

⑨ Mode 9 : Level indicator LEDs check mode. "LED TEST"

⑩ Mode 10 : X-Pad value confimation mode. "X-PAD TEST"

⑪ Mode 11 : Rotary VRs' A/D-Value Change Confirmation mode. "VOL AD"

⑫ Mode 12 : Faders' A/D Amplitude Value Confirmation mode. "FDR AD"

⑬ Mode 13 : Device confirmation mode. "DEVICE"

2. Test Mode

Test Mode : ON
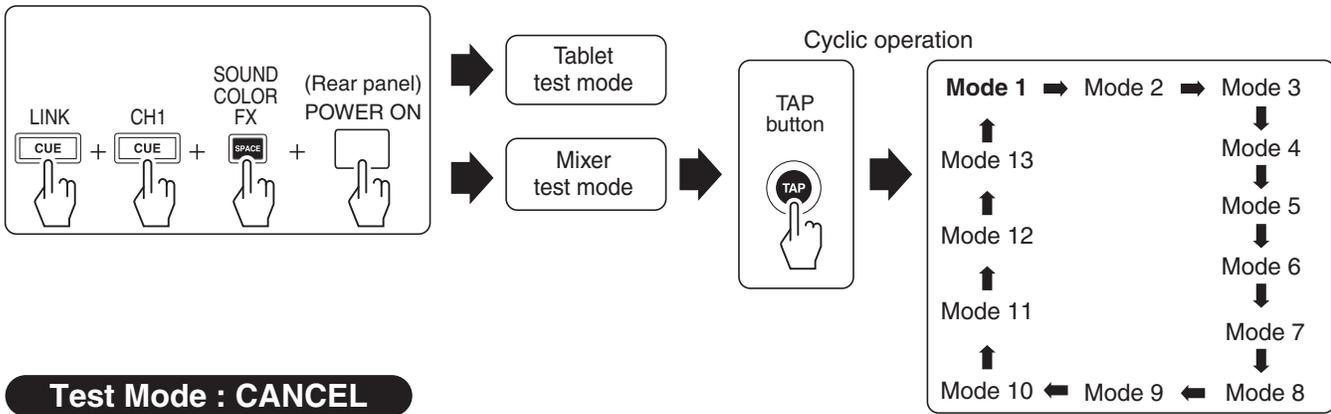
Test Mode : CANCEL
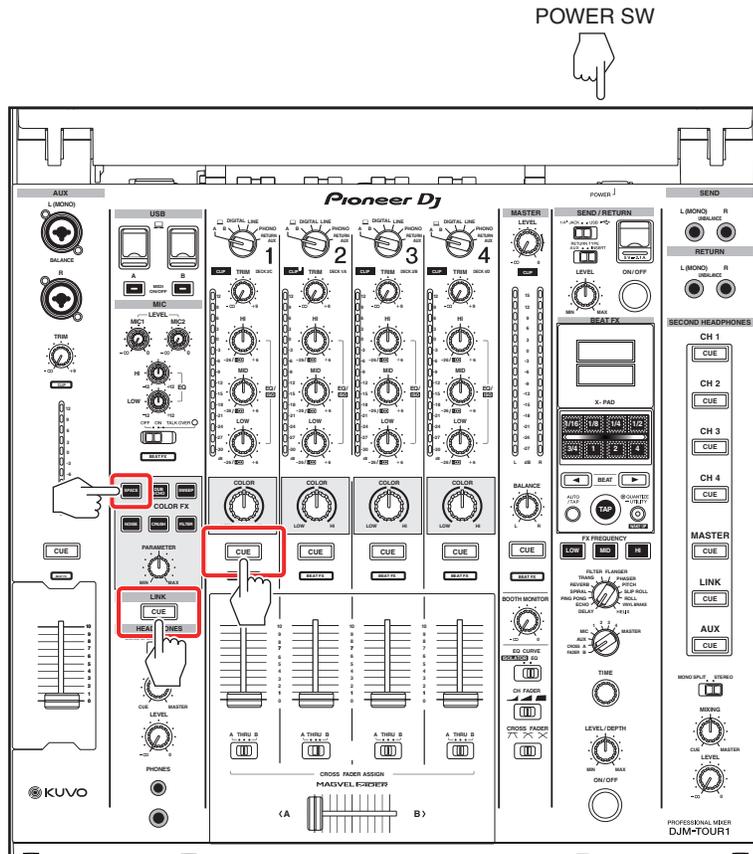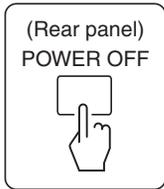
3. Mode transition flowchart

Power is OFF.

Turn the unit ON while holding the LINK CUE, CH1 CUE and SOUND COLOR FX SPACE buttons pressed.

LINK **CUE** + CH1 **CUE** + SOUND COLOR FX **SPACE**

Tablet test mode

① Software version confirmation mode

(TAP)

② Crossfader calibration mode

(TAP)

③ All LEDs Unlit mode

(TAP)

④ All LEDs Lit mode

(TAP)

⑤ Keys operating test mode

(TAP)

⑥ Selector SWs operating test mode

(TAP)

⑦ Rotary VRs value confimation mode

(TAP)

⑧ Faders value confimation mode

(TAP)

⑨ Level indicator LEDs check mode

(TAP)

⑩ X-Pad value confimation mode

(TAP)

⑪ Rotary VRs' A/D-Value Change Confirmation mode

(TAP)

⑫ Faders' A/D Amplitude Value Confirmation mode

(TAP)

⑬ Device confirmation mode

(TAP)

4. Test mode Contents
Tablet test mode

[Function outline]

Display the test mode of the tablet.

[Screen display]

The state that the MAC address of the Mixer is written in the tablet.

[Special instructions]

When saving the MAC address ot the Mixer, do not perform LINK connection to the external equipment.
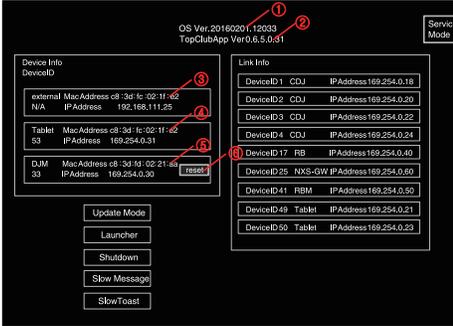
① Tablet OS version
② Tablet application version
③ MAC address, IP address (NXS-GW)
④ MAC address, IP address (Tablet)
⑤ MAC address, IP address (Mixer)
⑥ Save the MAC address of the mixer SAVE/RESET
    save :Save the MAC address of the mixer
    reset :Reset the MAC address of the mixer

[How to save the MAC adderess of the Mixer]

*As the MAC address of the Mixer is not memorized in the tablet in the initial state, it is necessary to write the address by pressing the following Save button.

The state that the MAC address of the Mixer is memorized.   The state that the MAC address of the Mixer is not memorized.

Save

Reset
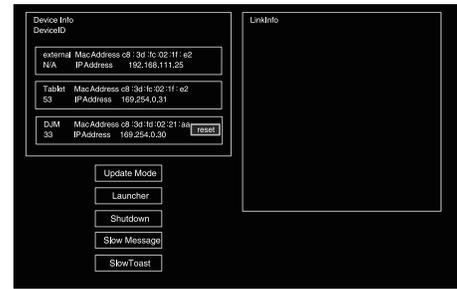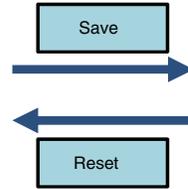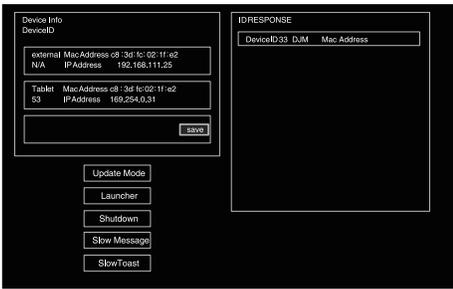
Mixer part ① Mode 1 : Software version confirmation mode. "Version"

• Mode for confirmation of the versions of the SYSTEM, MAIN-MAIN, MAIN-BOOT1, MAIN-BOOT2, MAIN-UPDATE, PANEL, PANEL-BOOT, DSP, SDSP, SH, SH-BOOT and X-PAD.
When this mode is entered, "Version" is displayed at the top of the Main unit display and the TAP button lights.

• Mode 1 consists of 12 pages for indicating the versions of the SYSTEM, MAIN-MAIN, MAIN-BOOT1, MAIN-BOOT2, MAIN-UPDATE, PANEL, PANEL-BOOT, DSP, SDSP, SH, SH-BOOT and X-PAD.

The pages can be changed by pressing the BEAT ◄, ► button.
When Mode 1 is entered, the SYSTEM Version Display mode is automatically entered.

Software Name	Display indication	Software Name	Display indication
SYSTEM	SYSTEM	PANEL-BOOT	PANEL-B
MAIN-MAIN	MAIN-M	DSP	DSP
MAIN-BOOT1	MAIN-B1	SDSP	SRC-DSP
MAIN-BOOT2	MAIN-B2	SH	SH
MAIN-UPDATE	MAIN-UP	SH-BOOT	SH-B
PANEL	PANEL	X-PAD	X-PAD

BEAT ◄ button

Version

SYSTEM

1.00

BEAT ► button

BEAT ◄ button

Version

MAIN-M

1.000

BEAT ► button

BEAT ◄ button

Version

X-PAD

1.000

BEAT ► button
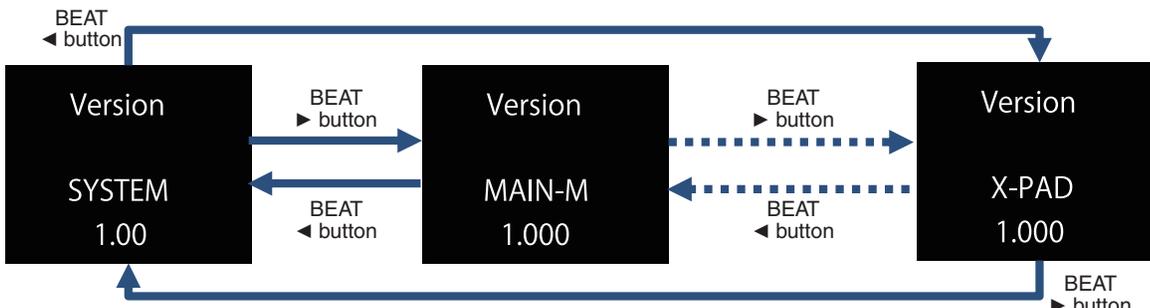
Mixer part ② Mode 2 : Crossfader calibration mode "CFDR SET"

[Function outline]
Mode for obtaining then setting the minimum and maximum A/D values for the crossfader

[Mode name to be displayed]
CFDR SET

[Operating elements]
[TAP] : For changing modes
[CH1 CUE] [CH4 CUE] : For setting an A/D value
[CH2 CUE] [CH3 CUE] : For starting setting and storing a setting value

[How to operate]
(1) Starting setting
Press the CH2 CUE and CH3 CUE buttons simultaneously.
Setting of the minimum and maximum A/D values starts.
A bar is displayed at the A/D value indication positions for A and B.
(2) Setting on the A side
Slide the crossfader to its leftmost position then press the CH1 CUE button.
Upon determination, the determined A/D value will be displayed next to "A" in the 3rd row.
(3) Setting on the B side
Slide the crossfader to its rightmost position then press the CH4 CUE button.
Upon determination, the determined A/D value will be displayed next to "B" in the 3rd row.
(4) Storing a setting value
Press the CH2 CUE and CH3 CUE buttons simultaneously.
Confirm that storage succeeded with the status code to be displayed on the Main unit display.

[Display change]

Currently stored A/D values for A and B sides.
Where no value is stored, "000" will be indicated.

Current A/D value for the crossfader

Status indication

CFDR SET — A135 B900 — 543 — A —|— B
CH2/CH3 CUEs lit

CH2 CUE / CH3 CUE →

CFDR SET — A - B - — 140 — A|——|—B
CH3 CUE lit
(CH4 CUE also lit with no setting for the B side)

CH1 CUE →

CFDR SET — A140 B - — 850 — A ——|B
CH4 CUE lit
(CH3 CUE also lit with no setting for the A side)

CH4 CUE →

CFDR SET — A140 B850 — 850 — A ——|—B
CH2/CH3 CUEs lit

CH2 CUE / CH3 CUE →

CFDR SET — A 140 B850 — OK
CH1/CH2/CH3/CH4 CUEs lit
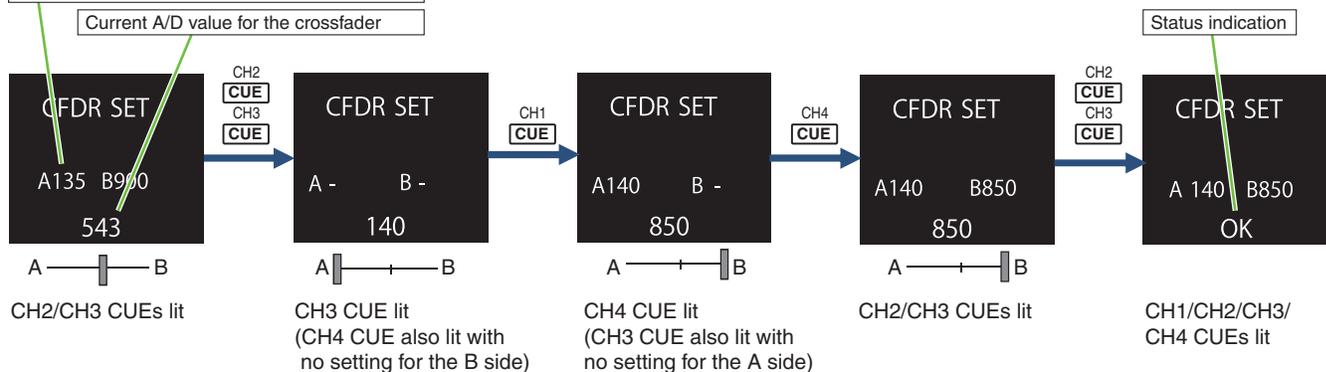
Note: If an error was generated, the CH2 and CH3 CUE buttons are lit, indicating that the unit is waiting for setting restart.

[Status display]
Description of the status codes to be displayed on the Main unit display

OK	Storage completed
NG	Parameter error
ERR	Storage failed.
E10	A/D-value acquisition error on the A side
E20	A/D-value acquisition error on the B side

[Special instructions]
• If the minimum and maximum A/D values of the crossfader are not set, the CH1 CUE, CH2 CUE, CH3 CUE, and CH4 CUE buttons flash when the unit is started in Normal mode.
• If the amplitude value becomes larger during acquisition of an A/D value because of noise or erroneous operation, that session is deemed to be a failure. An acquisition process is reattempted up to 3 times. If an A/D value cannot be obtained after the 3rd retry, an acquisition error results.
• Any A/D values set in this mode will take effect immediately after they are stored.
• Even if an error is generated, setting can be restarted without a mode change.

Mixer part ③ Mode 3 : All LEDs Unlit mode "ALL CLEAR"

- Mode for extinguishing all the LEDs and display.
  Only after this mode is entered, "ALL CLEAR" is displayed for 1 second at the top of the Main unit display.

Mixer part ④ Mode 4 : All LEDs Lit mode "ALL SET"

- Mode for lighting all the LEDs and FL display.
  Only after this mode is entered, "ALL SET" is displayed for 1 second at the top of the Main unit display.

[Special instructions]

- The luminance level of the OLEDs must be maximum.

: LEDs lit during All LEDs Lit mode

Mixer part ⑤ Mode 5 : Keys operating test mode "KEY TEST"

• Mode for indicating a pressed key with lighting of an LED and indication on the Main unit display.
  When this mode is entered, "KEY TEST" is displayed at the top of the Main unit display and the TAP button lights.
• The name of a pressed key is indicated on the Main unit display.

Operating button	Lighting LED	Display indication
MIDI ON/OFF button (left)	MIDI ON/OFF button LED (left)	MIDI ON1
MIDI ON/OFF button (right)	MIDI ON/OFF button LED (right)	MIDI ON2
SOUND COLOR FX button (SPACE)	SOUND COLOR FX button LED (SPACE)	CFX1
SOUND COLOR FX button (DUB ECHO)	SOUND COLOR FX button LED (DUB ECHO)	CFX2
SOUND COLOR FX button (SWEEP)	SOUND COLOR FX button LED (SWEEP)	CFX3
SOUND COLOR FX button (NOISE)	SOUND COLOR FX button LED (NOISE)	CFX4
SOUND COLOR FX button (CRUSH)	SOUND COLOR FX button LED (CRUDH)	CFX5
SOUND COLOR FX button (FILTER)	SOUND COLOR FX button LED (FILTER)	CFX6
CH1 CUE button	CH1 CUE button LED	CUE1
CH2 CUE button	CH2 CUE button LED	CUE2
CH3 CUE button	CH3 CUE button LED	CUE3
CH4 CUE button	CH4 CUE button LED	CUE4
LINK CUE button	LINK CUE button LED	CUE LINK
MASTER CUE button	MASTER CUE button LED	CUE MST
SEND/RETURN ON/OFF button	SEND/RETURN ON/OFF button LED	S/R ON
BEAT ◄ (DOWN) button	Non	BEAT ◄
BEAT ► (UP) button	Non	BEAT ►
AUTO/TAP button	Non	AUTO
QUANTIZE (UTILITY, WAKE UP) button	QUANTIZE (UTILITY, WAKE UP) button LED	GRID
FX FREQUENCY button (LOW)	FX FREQUENCY button (LOW) LED	FREQ L
FX FREQUENCY button (MID)	FX FREQUENCY button (MID) LED	FREQ M
FX FREQUENCY button (HI)	FX FREQUENCY button (HI) LED	FREQ H
Beat effect ON/OFF button	Beat effect ON/OFF button LED	EFX ON
AUX CUE button	AUX CUE button LED	AUX CUE
SECOND HEADPHONES CH1 CUE button	SECOND HEADPHONES CH1 CUE button LED	SECOND CUE 1
SECOND HEADPHONES CH2 CUE button	SECOND HEADPHONES CH2 CUE button LED	SECOND CUE 2
SECOND HEADPHONES CH3 CUE button	SECOND HEADPHONES CH3 CUE button LED	SECOND CUE 3
SECOND HEADPHONES CH4 CUE button	SECOND HEADPHONES CH4 CUE button LED	SECOND CUE 4
SECOND HEADPHONES MASTER CUE button	SECOND HEADPHONES MASTER CUE button LED	SECOND CUE MST
SECOND HEADPHONES LINK CUE button	SECOND HEADPHONES LINK CUE button LED	SECOND CUE LINK
SECOND HEADPHONES AUX CUE button	SECOND HEADPHONES AUX CUE button LED	SECOND CUE AUX

Mixer part ⑥ Mode 6 : Selector SWs operating test mode "SW TEST"

• When this mode is entered, "SW TEST" is displayed at the top of the Main unit display and the TAP button lights.

Operating switch		Lighting LED	
Input selector switch CH1	: USB A	Channel Level Indicator CH1	12 dB
	: USB B		9 dB
	: DIGITAL		6 dB
	: LINE		3 dB
	: PHONO		0 dB
	: RETURN		-3 dB

DJM-TOUR1

A

Operating switch		Lighting LED	
Input selector switch CH2	: USB A	Channel Level Indicator CH2	12 dB
	: USB B		9 dB
	: DIGITAL		6 dB
	: LINE		3 dB
	: PHONO		0 dB
	: RETURN		-3 dB
Input selector switch CH3	: USB A	Channel Level Indicator CH3	12 dB
	: USB B		9 dB
	: DIGITAL		6 dB
	: LINE		3 dB
	: PHONO		0 dB
	: RETURN		-3 dB
Input selector switch CH4	: USB A	Channel Level Indicator CH4	12 dB
	: USB B		9 dB
	: DIGITAL		6 dB
	: LINE		3 dB
	: PHONO		0 dB
	: RETURN		-3 dB
CROSS FADER ASSIGN selector switch CH1	: A	Channel Level Indicator CH1	-30 dB
	: THRU		-27 dB
	: B		-24 dB
CROSS FADER ASSIGN selector switch CH2	: A	Channel Level Indicator CH2	-30 dB
	: THRU		-27 dB
	: B		-24 dB
CROSS FADER ASSIGN selector switch CH3	: A	Channel Level Indicator CH3	-30 dB
	: THRU		-27 dB
	: B		-24 dB
CROSS FADER ASSIGN selector switch CH4	: A	Channel Level Indicator CH4	-30 dB
	: THRU		-27 dB
	: B		-24 dB
OFF, ON, TALK OVER selector switch	: OFF	Channel Level Indicator CH1	-6 dB
	: ON		-9 dB
	: TALK OVER		-12 dB
MONO SPLIT, STEREO selector switch	: MONO SPLIT	Channel Level Indicator CH1	-15 dB
	: STEREO		-18 dB
SEND/RETURN (1/4" JACK, USB) selector switch	: 1/4" JACK	Channel Level Indicator CH2	-6 dB
	: USB		-9 dB
RETURN TYPE (AUX, INSERT) selector switch	: AUX	Channel Level Indicator CH2	-12 dB
	: INSERT		-15 dB
EQ CURVE (ISOLATOR, EQ) selector switch	: ISOLATOR	Channel Level Indicator CH2	-18 dB
	: EQ		-21 dB
CH FADER (◢, ◢, ◢) selector switch	: ◢	Channel Level Indicator CH3	-6 dB
	: ◢		-9 dB
	: ◢		-12 dB
CROSS FADER (⟋⟍, ⟋⟍, ✕) selector switch	: ⟋⟍	Channel Level Indicator CH4	-6 dB
	: ⟋⟍		-9 dB
	: ✕		-12 dB
Effect channel selector switch	: CROSS FADER B	Master Level Indicator L ch	-3 dB
	: CROSS FADER A		-6 dB
	: AUX		-9 dB
	: MIC		-12 dB
	: 1		-15 dB
	: 2		-18 dB
	: 3		-21 dB
	: 4		-24 dB
	: MASTER		-27 dB

Operating switch		Lighting LED	
Beat effect selector switch	: DELAY	Master Level Indicator R ch	9 dB
	: ECHO		6 dB
	: PING PONG		3 dB
	: SPIRAL		0 dB
	: REVERB		-3 dB
	: TRANS		-6 dB
	: FILTER		-9 dB
	: FLANGER		-12 dB
	: PHASER		-15 dB
	: PITCH		-18 dB
	: SLIP ROLL		-21 dB
	: ROLL		-24 dB
	: VINYL BRAKE		-27 dB
	: HELIX		CLIP
HEAD PHONES	: MONO SPLIT	Master Level Indicator L ch	15 dB
	: STEREO		12 dB

This mode is also used to check operation of the TIME control.
The value displayed on the FL display increases/decreases as you turn the TIME control:

Operation range
Initial value: 0
Maximum value: 100
Minimum value: -100

Minimum value

SW TEST

-100

Turn
counterclockwise.

Initial value

SW TEST

0

Turn
clockwise.

Maximum value

SW TEST

100

Correspondence diagram
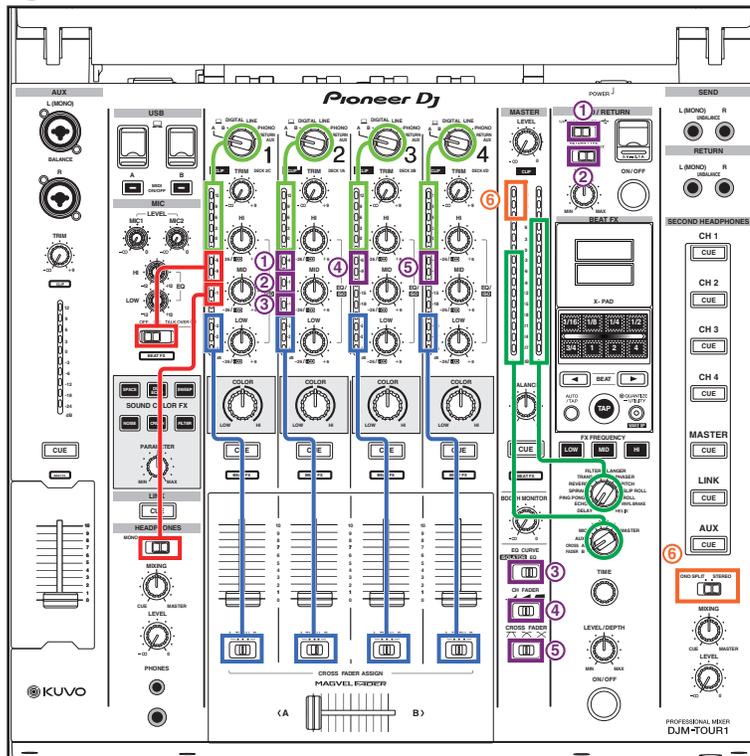
Mixer part ⑦ Mode 7 : Rotary VRs value confimation mode "VOL TEST"

- Mode for confirmation of the AD conversion value for each rotary VR on the operation panel with lighting of a channel level indicator LED or the Main unit display.
  When this mode is entered, "VOL TEST" is displayed on the Main unit display and the TAP button lights.
- To indicate the AD conversion values for several rotary VRs with a single level indicator, the rotary VRs are divided into 6 groups.
  The group pages can be changed by pressing the BEAT ◄, ► button.
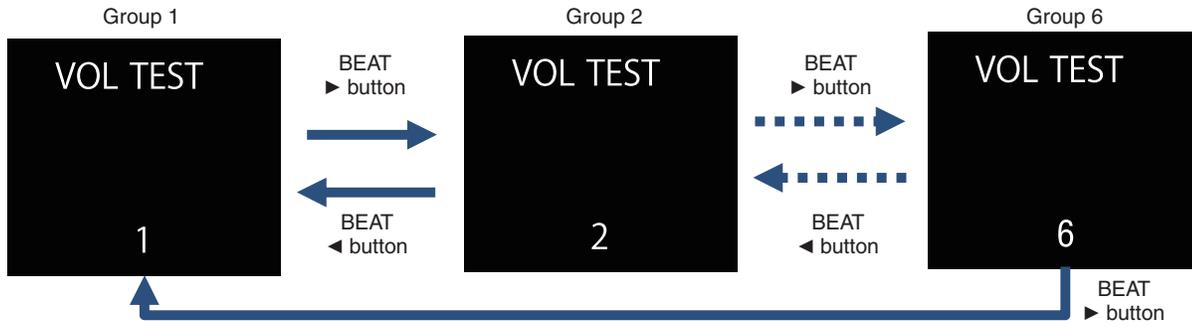
[Use of this mode during repair]
- For failure judgment of the rotary VRs
- For operation check of a rotary VR after replacement

• Group 1

VR to be tested	Lit LED	Lighting range
CH1 TRIM control	CH1 Channel Level Indicator LED	"-∞": Lights off "+9": Full Illuminate
CH2 TRIM control	CH2 Channel Level Indicator LED	"-∞": Lights off "+9": Full Illuminate
CH3 TRIM control	CH3 Channel Level Indicator LED	"-∞": Lights off "+9": Full Illuminate
CH4 TRIM control	CH4 Channel Level Indicator LED	"-∞": Lights off "+9": Full Illuminate
EQ HI control	Master Level Indicator L LED	"-12": Lights off "+12": Full Illuminate
EQ LOW control	Master Level Indicator R LED	"-12": Lights off "+12": Full Illuminate

• Group 2

VR to be tested	Lit LED	Lighting range
CH1 EQ/ISO HI control	CH1 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
CH2 EQ/ISO HI control	CH2 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
CH3 EQ/ISO HI control	CH3 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
CH4 EQ/ISO HI control	CH4 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
MIXING control	Master Level Indicator L LED	"CUE": Lights off "MASTER": Full Illuminate
LEVEL control	Master Level Indicator R LED	"-∞": Lights off "0": Full Illuminate

• Group 3

VR to be tested	Lit LED	Lighting range
CH1 EQ/ISO MID control	CH1 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
CH2 EQ/ISO MID control	CH2 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
CH3 EQ/ISO MID control	CH3 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
CH4 EQ/ISO MID control	CH4 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
MASTER LEVEL control	Master Level Indicator L LED	"-∞": Lights off "0": Full Illuminate
BALANCE control	Master Level Indicator R LED	"L": Lights off "R": Full Illuminate

• Group 4

VR to be tested	Lit LED	Lighting range
CH1 EQ/ISO LOW control	CH1 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
CH2 EQ/ISO LOW control	CH2 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
CH3 EQ/ISO LOW control	CH3 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
CH4 EQ/ISO LOW control	CH4 Channel Level Indicator LED	"-∞/-26": Lights off "+6": Full Illuminate
BOOTH MONITOR control	Master Levele Indicator L LED	"-∞": Lights off "0": Full Illuminate
LEVEL/DEPTH control	Master Levele Indicator R LED	"MIN": Lights off "MAX": Full Illuminate

• Group 5

VR to be tested	Lit LED	Lighting range
CH1 COLOR control	CH1 Channel Level Indicator LED	"LOW": Lights off "HI": Full Illuminate
CH2 COLOR control	CH2 Channel Level Indicator LED	"LOW": Lights off "HI": Full Illuminate
CH3 COLOR control	CH3 Channel Level Indicator LED	"LOW": Lights off "HI": Full Illuminate
CH4 COLOR control	CH4 Channel Level Indicator LED	"LOW": Lights off "HI": Full Illuminate
SEND/RETURN LEVEL control	Master Levele Indicator L LED	"MIN": Lights off "MAX": Full Illuminate
PARAMETER control	Master Levele Indicator R LED	"MIN": Lights off "MAX": Full Illuminate

• Group 6

VR to be tested	Lit LED	Lighting range
AUX TRIM control	CH1 Channel Level Indicator LED	"-∞": Lights off "+9": Full Illuminate
SECOND HEADPHONES MIXING control	CH2 Channel Level Indicator LED	"CUE": Lights off "MASTER": Full Illuminate
SECOND HEADPHONES LEVEL control	CH3 Channel Level Indicator LED	"-∞": Lights off "0": Full Illuminate

A

Correspondence diagram
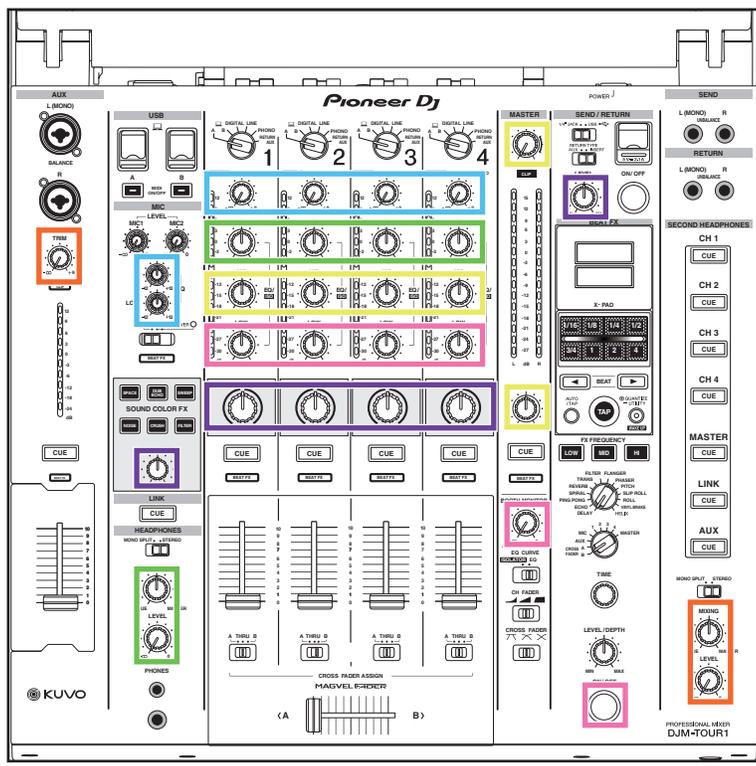
□ : Group 1
□ : Group 2
□ : Group 3
□ : Group 4
□ : Group 5
□ : Group 6

B

C

Mixer part ⑧ Mode 8 : Faders value confimation mode "FDR TEST"

• Mode for confirmation of the values of CH1–4 Channel Fader and Crossfader with the Level indicator LEDs.
  When this mode is entered, "FDR TEST" is displayed on the Main unit display and the TAP button lights.

D

[Use of this mode during repair]
• For failure judgment of the faders
• For operation check of a fader after replacement

Fader to be tested	Lit LED	Lighting range
CH1 Channel Fader	CH1 Channel Level Indicator LED	"0": Lights off "10": Full Illuminate
CH2 Channel Fader	CH2 Channel Level Indicator LED	"0": Lights off "10": Full Illuminate
CH3 Channel Fader	CH3 Channel Level Indicator LED	"0": Lights off "10": Full Illuminate
CH4 Channel Fader	CH4 Channel Level Indicator LED	"0": Lights off "10": Full Illuminate
Crossfader	Master Level Indicator L LED	"A": Lights off "B": Full Illuminate
Crossfader	Master Level Indicator L LED	"A": Lights off "B": Full Illuminate
AUX fader	Master Level Indicator R LED	"0": Lights off "10": Full Illuminate

E

[Special instructions]

F

For the crossfader, the LEDs light with reference to the minimum and maximum A/D values that have been stored in
Crossfader calibration mode. "CFDR SET".
If the A/D values are not stored, the immediate A/D values will be used.

Mixer part ⑨ Mode 9 : Level indicator LEDs check mode "LED TEST"

• Mode for confirming lighting of the Level Indicator LEDs
  When this mode is entered, "LED TEST" is displayed on the Main unit display and the TAP button lights.
  The LEDs for CH1 CUE button, CH2 CUE button, CH3 CUE button, CH4 CUE button, MASTER CUE button,
  FX FREQUENCY LOW button and AUX CUE button light.
• Each time the CUE button is pressed, the channel level indicator LEDs for each channel light one by one from the bottom
  (included CLIP). At first, all the LEDs are unlit.
  If the CUE button is pressed after it was pressed 16 times (AUX:10 times) (when the top LED is lit),
  all the LEDs become unlit again.

Button to be tested	Lit LED
CH1 CUE button	CH1 Channel Level Indicator / CLIP LED
CH2 CUE button	CH2 Channel Level Indicator / CLIP LED
CH3 CUE button	CH3 Channel Level Indicator / CLIP LED
CH4 CUE button	CH4 Channel Level Indicator / CLIP LED
MASTER CUE button	Master Level Indicator L / CLIP LED
FX FREQUENCY LOW button	Master Level Indicator R / CLIP LED
AUX CUE button	AUX Level Indicator LED

Mixer part ⑩ Mode 10 : X-Pad value confimation mode "X-PAD TEST"

[Function outline]
    Mode for confirmation of the X-PAD value with a Level indicator LED and the Main unit display

[Mode name to be displayed]
    X-PAD TEST

[Operating elements]
    [X-PAD]
    [TAP] (light) : Mode change (to next mode)

[Operation details]
    • The data item for a touched position on the upper or lower X-PAD is expressed as a figure in the range of 0 to 255 and
      displayed in the 2nd row (for the upper X-PAD) or the 3rd row (for the lower X-PAD).
    • The indication "ON" or "OFF" is displayed at left of the touched position data to indicate whether the X-PAD is touched
      (ON) or not (OFF).
    • The data of a touched position on the X-PAD are indicated by lighting of the LEDs of the Master Level Indicator.
    • The data item for a touched position on the slicer in between the upper and lower X-PADs is expressed as a figure in
      the range of 0 to 255 and displayed in the 4th row.

[Indications]

Main unit display

X-PAD TEST
OFF   0
ON   255
       128

Indicating data for touched positions

X-PAD
1/16 1/8 1/4 1/2
3/4   1   2   4

Master Level Indicator
1/2   4
1/4   2
1/8   1
1/16 3/4
L dB R
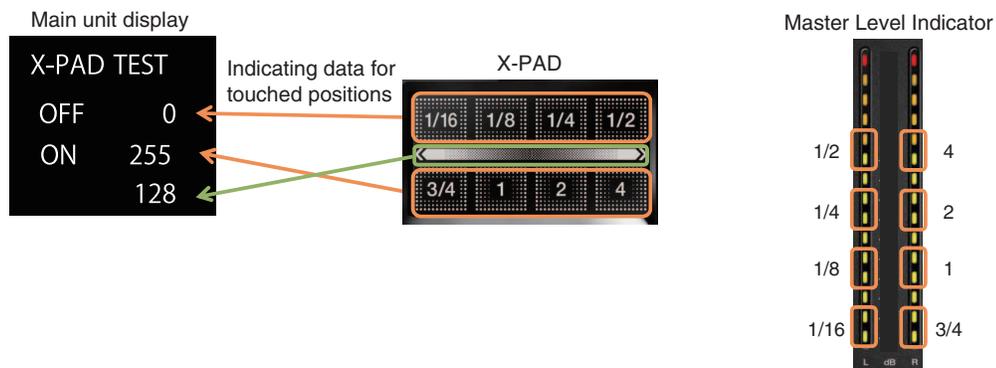
A

[Table of corresponding LEDs and indications]

Operating Section	Lit LED or display	Display indication
X-PAD upper	Main unit display	2nd row: ON/OFF, 0–255
X-PAD lower	Main unit display	3rd row: ON/OFF, 0–255
X-PAD 1/16	Master Level Indicator L LED	-27/-24
X-PAD 1/8	Master Level Indicator L LED	-18/-15
X-PAD 1/4	Master Level Indicator L LED	-9/-6
X-PAD 1/2	Master Level Indicator L LED	0/3
X-PAD 3/4	Master Level Indicator R LED	-27/-24
X-PAD 1	Master Level Indicator R LED	-18/-15
X-PAD 2	Master Level Indicator R LED	-9/-6
X-PAD 4	Master Level Indicator R LED	0/3
X-PAD middle	Main unit display	4th row: 0–255

[Special instructions]
- Even while the upper or lower X-PAD is touched, the previous position data for the slicer remain displayed in the 4th row of the main unit display.
- Even while the slicer is touched, the previous position data for the upper and/or lower X-PADs remain displayed on the main unit display.

Mixer part ⑪ Mode 11 : Rotary VRs' A/D-Value Change Confirmation mode "VOL AD"

[Function outline]
Mode for displaying the AD values of rotary VRs on the Main unit display for confirmation

[Mode name to be displayed]
VOL AD

[Operating elements]
Rotary VRs to be tested
BEAT ►, BEAT ◄ buttons: For switching groups
FX FREQUENCY LOW button: For measuring A/D values
TAP button (light) : For changing modes (to next mode)

[Operation details]
The maximum amplitude value among A/D conversion values for a rotary VR being tested can be confirmed.
Turn a rotary VR to be tested to a desired position then press the FX FREQUENCY LOW button to start measuring.
The amplitude value will be indicated by the corresponding level indicator.
To reset the value, press the FX FREQUENCY LOW button again. During measurement, the maximum amplitude value will be continuously displayed.
The FX FREQUENCY LOW button is lit during measurement and goes dark when reset.
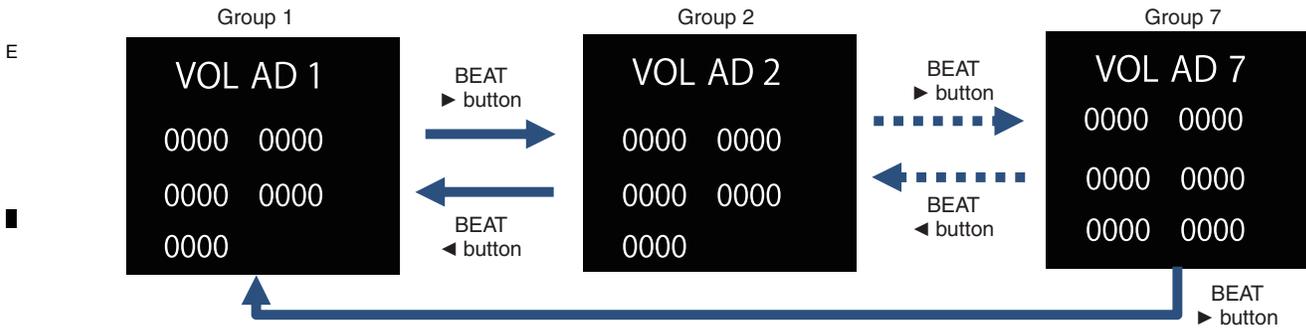
A/D-value indications

The A/D value for each rotary VR is indicated, as shown below.

```
              VOL AD x  ←——  The symbol "x" denotes group No.
①  →  0000   0000  ←  ④
②  →  0000   0000  ←  ⑤
③  →  0000   0000  ←  ⑥
```
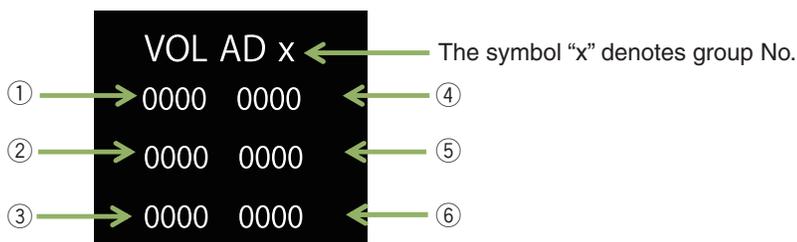
[Use of this mode during repair]

- For failure judgment of the rotary VRs
  As a guide, amplitude values higher than +4 or lower than -4 may be judged as failure.
  The VRs can be set to any position during measurement. Possible symptoms are shown below.
  - The volume changes arbitrarily.
  - Interrupted sound leakage occurs even if the volume is decreased to the minimum at the Master or ZONE.
  - The MIDI signal is output even if the corresponding VR is not operated.
- For operation check of a rotary VR after replacement

• Group 1

VR to be tested	Lit LED or Display	Indication content
EQ HI control	CH1 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ①.
EQ LOW control	CH2 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ②.
PARAMETER control	CH3 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ③.
MIXING control	CH4 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ④.
LEVEL control	Master Level Indicator L LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −27.
	Main unit display	An A/D value (0000 to 1023) is displayed at ⑤.

• Group 2

VR to be tested	Lit LED or Display	Indication content
CH1 TRIM control	CH1 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ①.
CH1 EQ/ISO HI controls	CH2 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ②.
CH1 EQ/ISO MID controls	CH3 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ③.
CH1 EQ/ISO LOW controls	CH4 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ④.
CH1 COLOR control	Master Level Indicator L LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −27.
	Main unit display	An A/D value (0000 to 1023) is displayed at ⑤.

• Group 3

VR to be tested	Lit LED or Display	Indication content
CH2 TRIM control	CH1 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ①.
CH2 EQ/ISO HI controls	CH2 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ②.
CH2 EQ/ISO MID controls	CH3 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ③.
CH2 EQ/ISO LOW controls	CH4 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ④.
CH2 COLOR control	Master Level Indicator L LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −27.
	Main unit display	An A/D value (0000 to 1023) is displayed at ⑤.

• Group 4

VR to be tested	Lit LED or Display	Indication content
CH3 TRIM control	CH1 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ①.
CH3 EQ/ISO HI controls	CH2 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ②.
CH3 EQ/ISO MID controls	CH3 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ③.
CH3 EQ/ISO LOW controls	CH4 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ④.
CH3 COLOR control	Master Level Indicator L LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −27.
	Main unit display	An A/D value (0000 to 1023) is displayed at ⑤.

• Group 5

VR to be tested	Lit LED or Display	Indication content
CH4 TRIM control	CH1 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ①.
CH4 EQ/ISO HI controls	CH2 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ②.
CH4 EQ/ISO MID controls	CH3 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ③.
CH4 EQ/ISO LOW controls	CH4 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ④.
CH4 COLOR control	Master Level Indicator L LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked −27.
	Main unit display	An A/D value (0000 to 1023) is displayed at ⑤.

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• Group 6

VR to be tested	Lit LED or Display	Indication content
MASTER LEVEL control	CH1 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ①.
BALANCE control	CH2 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ②.
BOOTH MONITOR control	CH3 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ③.
SEND/RETURN LEVEL control	CH4 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ④.
—	—	—
	Main unit display	⑤: Blank
LEVEL/DEPTH control	Master Level Indicator R LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –27.
	Main unit display	An A/D value (0000 to 1023) is displayed at ⑥.

• Group 7

VR to be tested	Lit LED or Display	Indication content
AUX TRIM control	CH1 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ①.
SECOND HEADPHONES MIXING control	CH2 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ②.
SECOND HEADPHONES LEVEL control	CH3 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ③.

Correspondence diagram
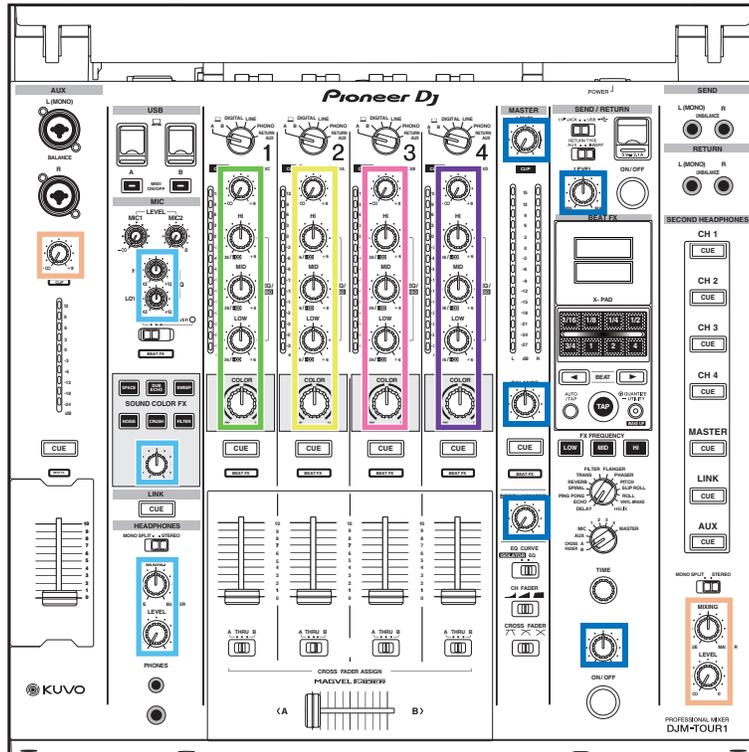
: Group 1
: Group 2
: Group 3
: Group 4
: Group 5
: Group 6
: Group 7

[Special instructions]
- As an A/D value that is displayed on the main unit display is the one before a hysteresis-removal process, and as it has an amplitude, an error of about ±2 may be produced.

Mixer part ⑫ Mode 12 : Faders' A/D Amplitude Value Confirmation mode "FDR AD"

[Function outline]
Mode for displaying the AD values of the faders on the Main unit display for confirmation

[Mode name to be displayed]
FDR AD

[Operating elements]
Faders to be tested
FX FREQUENCY LOW button: For measuring amplitude values
TAP button (light) : For changing modes (to next mode)

[Operation details]
The maximum amplitude value among A/D conversion values for a fader being tested can be confirmed.
Set the fader to be tested to a desired position then press the FX FREQUENCY LOW button to start measuring. The amplitude value will be indicated with the corresponding level indicator.
To reset the value, press the FX FREQUENCY LOW button again. During measurement, the maximum amplitude value will be continuously displayed.
The FX FREQUENCY LOW button is lit during measurement and goes dark when reset.
The A/D value of each fader is displayed on the main unit display.

[Display]
An AD value of each fader is indicated.

```
         FDR AD
①  →   0000   0000   ←  ④
②  →   0000   0000   ←  ⑤
③  →   0000   0000   ←  ⑥
```

Fader to be tested	Lit LED or display	Indication content
CH1 Channel Fader	CH1 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ①.
CH2 Channel Fader	CH2 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ②.
CH3 Channel Fader	CH3 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ③.
CH4 Channel Fader	CH4 Channel Level Indicator LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –30.
	Main unit display	An A/D value (0000 to 1023) is displayed at ④.
Crossfader	Master Level Indicator L LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –27.
	Main unit display	An A/D value is displayed at ⑤. (*1)
AUX Fader	Master Level Indicator R LED	The amplitude value is indicated with increment in the number of the indicator LEDs, lit from the LED marked –27.
	Main unit display	An A/D value (0000 to 1023) is displayed at ⑥.

*1: The value varies, depending on the unit.
The lower limit ranges approximately 100–200,
and the upper limit ranges approximately 800–900.

[Use of this mode during repair]
• For failure judgment of the faders
As a guide, amplitude values higher than +4 or lower than -4 may be judged as failure.
The VRs can be set to any position during measurement. Possible symptoms are shown below.
• The volume changes arbitrarily.
• Interrupted sound leakage occurs even if the volume is decreased to the minimum at the fader.
• The MIDI signal is output even if the corresponding VR is not operated.
• For operation check of a fader after replacement.

[Special instructions]
• As an A/D value that is displayed on the main unit display is the one before a hysteresis-removal process, and as it has an amplitude, an error of about ±2 may be produced.

Mixer part ⑬ Mode 13 : Device confirmation mode "DEVICE"

- Mode for displaying the device information for confirmation
  When this mode is entered, "DEVICE" is displayed at the top of the Main unit display and the TAP button lights.
- Mode 13 consists of 5 pages for indicating the statuses of DSP SDRAM, LAN, MAC address, IP address, and Subnet Mask.
  The pages can be changed by pressing the BEAT ◄, ► button.
- "OK" is displayed in the bottom of the Main unit display when the device is operating properly, and "NG" is displayed when it is not properly operating.

[Display]
Switching pages

Switching addresses

The MAC Address, IP Address, and Subnet Mask are displayed in the 4th row of the main unit display.
To switch pages for confirmation of addresses, use the AUTO/TAP or QUANTIZE (UTILITY, WAKE UP) button.
The total number of pages is expressed by the number of squares on the right side of the 2nd row. A square filled with white represents a currently displayed page.
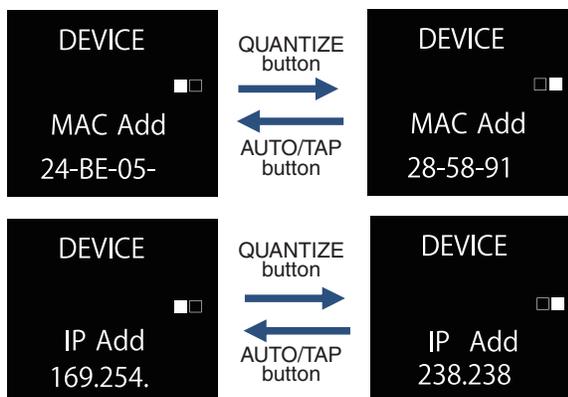
[Table of devices/addresses and corresponding indications]

Device, Address	Main unit display indication		
	Title	Result	
DSP SDRAM	SDRAM	CHK	: During check	
		OK	: Properly operating
		NG	: Not properly operating
LAN	SDRAM	OK	: Properly operating
		NG	: Not properly operating
MAC Address	MAC Add	xx-xx-xx-	: Address value (1st page)	*1
		xx-xx-xx	: Address value (2nd page)	*1
		FF	: No setting
IP Address	IP Add	xxx.xxx.	: Address value (1st page)	*1
		xx.xxx	: Address value (2nd page)	*1
		EE	: Error	*2
Subnet Mask	Subnet	xxx.xxx.	: Address value (1st page)	*1
		xx.xxx	: Address value (2nd page)	*1
		EE	: Error	*3

*1: The symbol x represents an alphanumeric for an address value.
*2: "EE" is also displayed while the IP address is being obtained. If "EE" is displayed for more than 30 seconds, something is wrong.
*3: "EE" is also displayed before the subnet mask data are obtained.

[Special instructions]
For acquisition of the IP Address and Subnet Mask, the unit must be connected with a PC via a LAN cable.
MAC Address displays only main part

6.2 ABOUT THE DEVICE

Device Name	Function	Part No.	Ref. No.	Assy
MAIN UCOM	Main control	AM3352BZCZ100	IC1	MAIN Assy
DDR3 SDRAM	RAM for MAIN UCOM (WORK)	K4B1G1646G-BCK0	IC9	MAIN Assy
FLASH	ROM for MAIN UCOM (Firmware in MAC Address)	DYW**** (NSP)	IC8	MAIN Assy
DSP	Audio DSP	D810K013DZKB456	IC1001	MAIN Assy
DSP_SDRAM1	RAM for DSP	M12L2561616A-5TG2S-K	IC1003	MAIN Assy
DSP_SDRAM2	RAM for DSP	M12L2561616A-5TG2S-K	IC1004	MAIN Assy
SRC_DSP	Audio DSP	D810K013DZKB456	IC1501	MAIN Assy
USBC UCOM	USBC control	R5S72670P144FP	IC2004	MAIN Assy
FLASH	ROM for USBC UCOM	DYW****	IC2003	MAIN Assy
LAN PHY	PHY for Ether net LINK	LAN8720A-CP	IC16	MAIN Assy
USB_LAN_IC for LINK	USB_LAN_IC for Ether net LINK	RTL8152B-VB-CG (NSP)	IC9001	LANB Assy
USB_LAN_IC for INTERNET	USB_LAN_IC for INTERNET	RTL8152B-VB-CG (NSP)	IC9004	LANB Assy
HUB_SW_IC	HUB_IC for Ether net LINK	RTL8309M-CG	IC9205	LANB Assy
PANEL UCOM	Main control. LED, OLED, KEY, VR control	DYW****	IC7001	PNLA Assy
X-PAD TOUCH CONTROLLER	Contact position detection of a X-PAD	ATSAMD20E15A-MU	IC4902	CDCB Assy

Note on DYW**

The "*****" part of the part number changes each time the firmware is updated.

Two or more FLASH and SDRAM are mounted in this unit.
Please judge the device which you should diagnose in reference to this list.

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

Ⓐ DAA1345 ×4 — White / Black

Ⓑ DAA1355 ×5 — White / Gray

Ⓒ DAA1354 ×2 — White / Gray

Ⓓ DAA1307 ×2 — White / Black

Ⓔ DAA1309 ×4 — White / Silver

Ⓕ DAA1250 ×1 — White / Black

Ⓖ DAA1368 ×6 — White / Black

Ⓗ DAA1265 ×2 — White / Black

Ⓘ DAA1353 ×12 — White / Black / White

Ⓙ DAA1205 ×2 — White / Black / Projection

Ⓚ DAA1180 ×1 — Black

Ⓛ DAA1370 ×1 — White / Black

Ⓜ DAC2684 ×6 ＋ DAC2685 ×6 ＋ DNK5888 ×6 — DAC2685 White / DAC2684 Black / DNK5888 Gray

DJM-TOUR1

53

A

Chassis Section

[1] Control panel Section

• Fader panel Section

(1) Remove the 5 slider knobs 2,
    5 slider knobs 1, 5 slider knob stoppers.
    (See below.)

(2) Remove the Panel, by removing the 5 screws.
    (DBA1446)

The reference of the direction

Side on which the line reaches the bottom

B

Stopper
(front direction)

Stopper
(right direction)

②×5

①×5

Panel
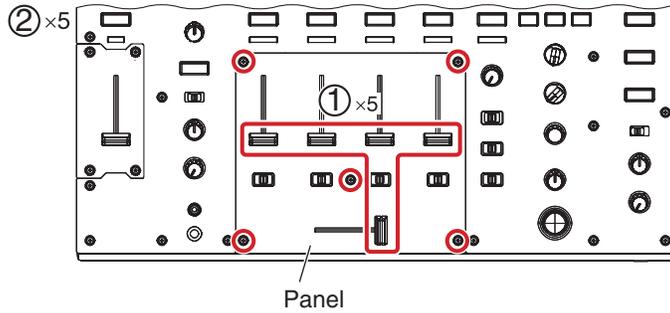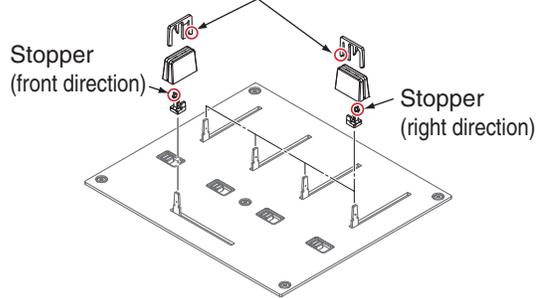
C

• Disassembly of the slider knob

The new slider knob adopted by this product is designed so that it is not pulled out easily. Therefore, the method for removing the slider knob is different from the conventional method; it can only be pulled out after slider knob 2 is removed.

① Find the side on which the line reaches the bottom.

② Insert a pair of tweezers etc. beneath the line then push the slider knob 2 upward. To protect the panel from being scratched, use protective material.

Slider knob 2

③ Remove the slider knob 2.

Slider knob 2

D

Tweezers   Protective material
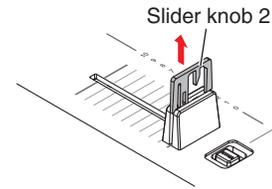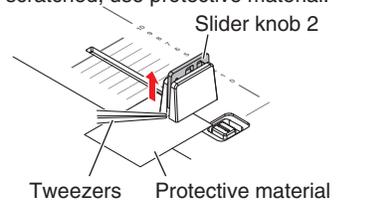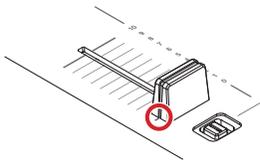
*: During reassembly, fully push down Slider knob 2 until it is dented into Slider knob 1.

④ Remove the slider knob 1.
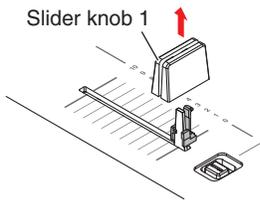
Slider knob 1

⑤ Remove the slider knob stopper.

Slider knob stopper

E
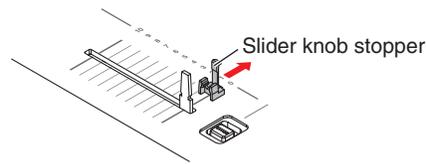
• CROSS FADER Assy Section

(1) Remove the CROSS FADER Assy Section,
    by removing the 2 screws.
    (BBZ30P060FTC)

(2) Disconnect the 1 connector.
    (CN7502)

②

CN7502

①×2

F

CROSS FADER Assy Section
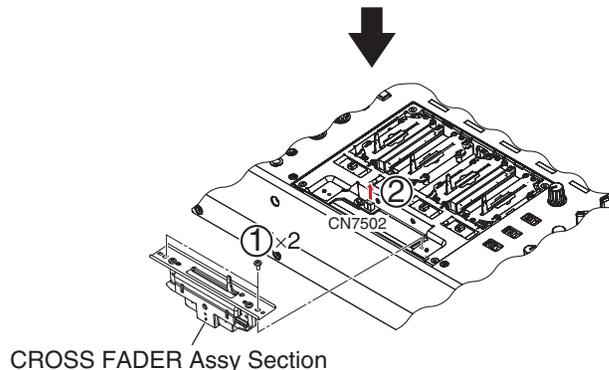
• CROSS FADER Assy

(1) Remove the Stay/CRF, by removing the 2 screws.
(BPZ30P080FTB)

①×2

Stay/CRF

CROSS FADER Assy
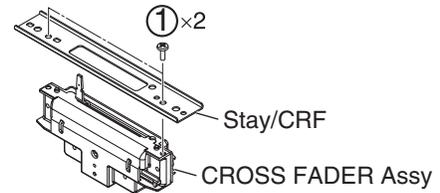
• Control panel Section

(1) Remove the 2 Knobs.
(2) Remove the 5 Knobs.
(3) Remove the 2 Knobs.
(4) Remove the 8 screws.
(BBZ30P060FTB)
(5) By sliding the hook indicated in the figure below in the direction of the arrow,.pull the panel open toward you, rotating it around its bottom edge.

Note:

Be careful not to slide the hook too far, because doing so may deform the hook.

①×2 Knob
②×5 Knob
⑤-1
Hook
④×8
Panel
Knob
③×2
⑤-2
⑤-1
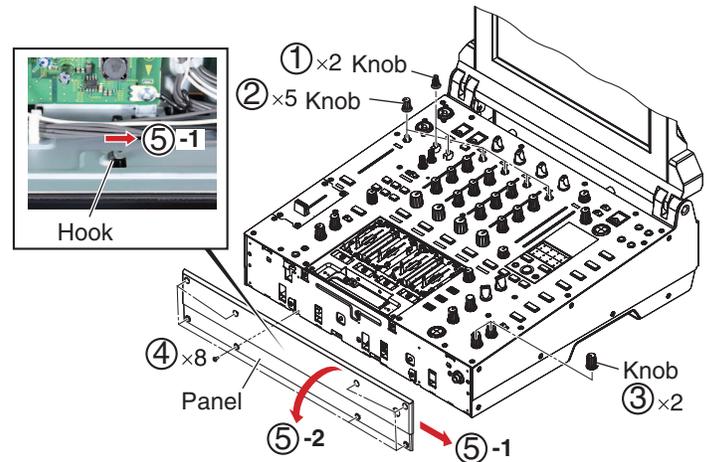
(6) Remove the 2 screws.
(BBZ30P060FTC)
(7) Remove the 2 screws.
(BBZ30P060FTB)
(8) Remove the 16 screws.
(DBA1446)
(9) Remove the 4 screws.
(BPZ30P120FTB)

Screw tightening order

(for MAIN unit)

The other screws are random order.

⑧×16
⑨×4
• Top view

⑦×2
• Rear view

⑥×2
• Front view

❷
❻
❸ ❹ ❺ ❶
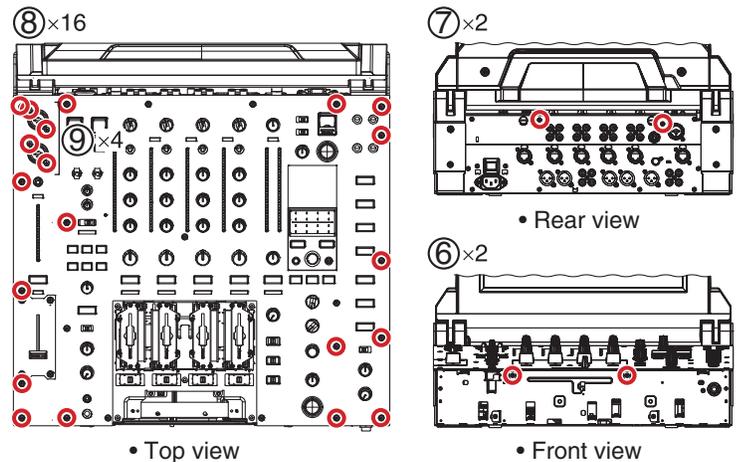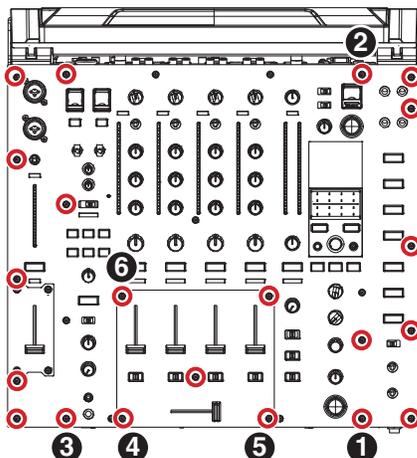
A

(10) Open the Control panel Section in the direction
of the arrow, and remove it.

Note:
Slightly raise the right side of the panel first, then
open it, rotating it around its left edge. Because
the FFCs are connected to the panel, be careful
not to pull it up swiftly.

(11) Disconnect the 3 flexible cables.
(CN4505, 4506, 4517)

B
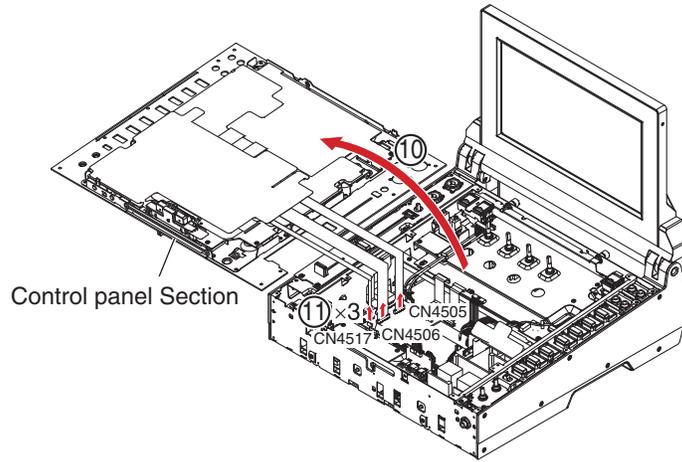
Note:
Before disconnecting the flexible cable from the
CN4517 connector, be sure to unlock the connector.

Control panel Section

■ Note on reassembly of the control panel section

When attaching the control panel section, be sure to verify that the USB_A and USB_B connectors have been properly attached.
• If a USB connector is not attached at the proper position of the USB panel, the USB connector may not function properly or
the cover of the USB panel may not open.

C

Open the cover of each USB panel then check the following:
(Example: In a case of USB_A)

OK

NG
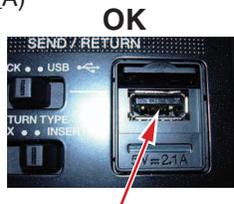
The USB connector must be placed properly
in the opening of the USB panel.

The USB connector is not placed properly
in the opening of the USB panel.

D

[2] TRIM Assy Section

• USBB, USBC, USBP and MTRM Assemblies

(1) Disconnect the 1 flexible cable and
3 connectors.
(CN2, 2002, 4509, 4513)
(2) Release the jumper wires from 4 locking mini
clamps. Remove the 4 locking mini clamps.

E

(3) Remove the USBB Assy, by removing the
2 screws.
(BBZ30P060FTC)
(4) Remove the USBC Assy, by removing the
2 screws.
(5) Remove the 2 screws.
(BBZ30P060FTC)
(6) Remove the USBP Assy while sliding it in the
direction of the arrow.
(7) Remove the 2 screws.
(BBZ30P060FTC)
(8) Remove the MTRM Assy, by disconnecting
the BtoB connector.
(CN5101)

F

USBB Assy   USBC Assy

MTRM Assy   USBP Assy
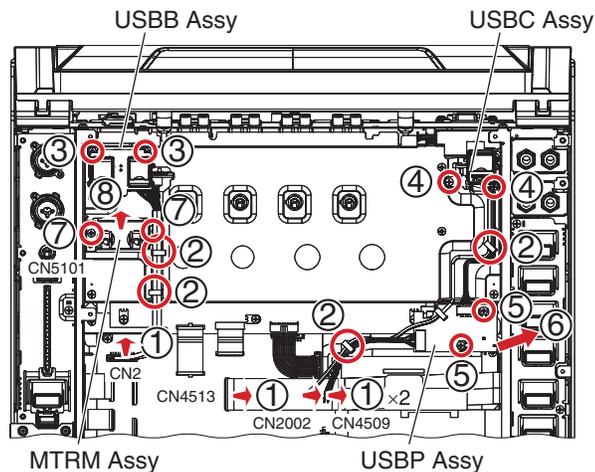
Screw tightening order

The other screws are random order.
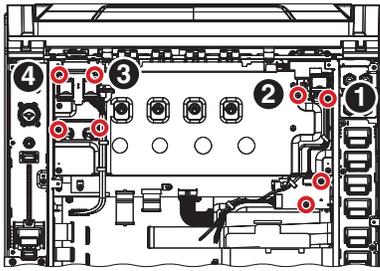
• SEJK and REJK Assemblies

(1) First slightly slide the SEJK and REJK
Assemblies toward the rear side then pull it up.
(2) Disconnect the 2 connectors.
(CN9441, 9651)

SEJK Assy

①-1

CN9441 ②

REJK Assy

①-1

CN9651 ②

①-2   ①-2
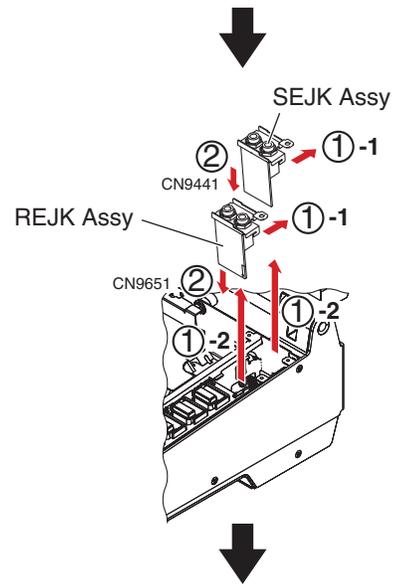
• TRIM Assy Section

(1) Disconnect the 2 flexible cables and
1 connectors.
(CN4504, 4507, 4508)
(2) Remove the Stay, by removing the 2 screws.
(BBZ30P060FTC)
(3) Remove the 10 screws.
(BBZ30P060FTC)

Screw tightening order

The other screws are random order.

③×10

② ②

① ①

CN4508

CN4507   CN4504

Stay
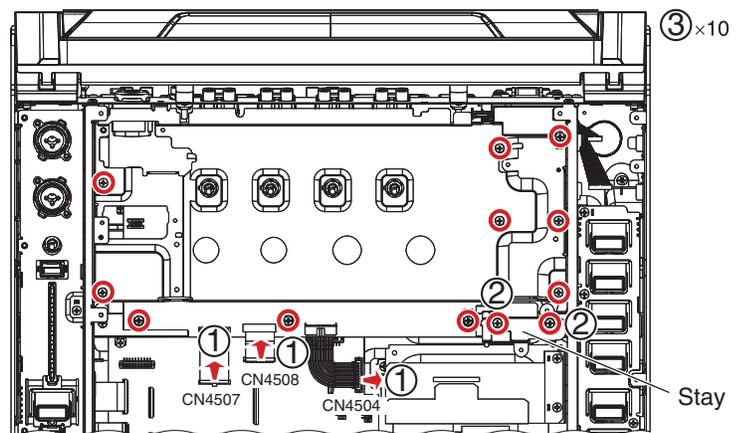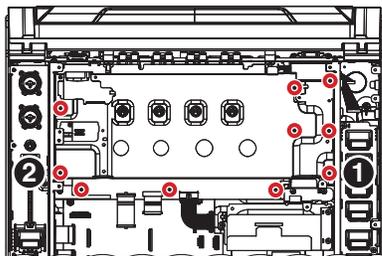
(4) Remove the 8 RCA plugs.
(5) Remove the 1 nut and 1 washers.
(NKX2FTC, DEC2920)
(6) Remove the 2 screws.
(PPZ30P080FTB)
(7) Remove the 4 screws.
(BPZ30P080FTB)

④×8 ⑦×4

⑥ ⑥

⑤

• Rear view
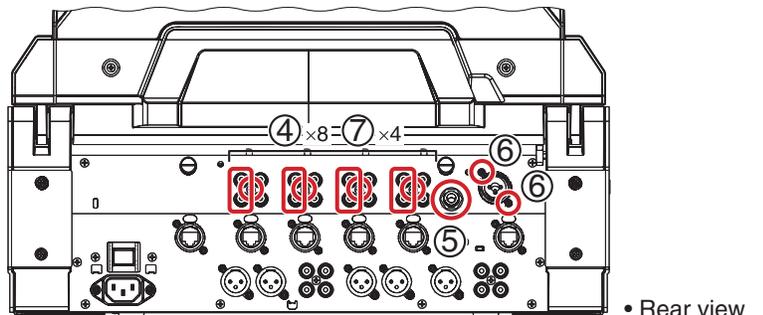
A

(8) Slide the TRIM Assy section in the front side.
(9) Release the jumper wire from the Holder.
(10) Pull up a jumper wire from REJK Assy.
(11) Pull up and remove the TRIM Assy section.
    (Pull up the Assy block by gripping its right
    side and rotating it around its left side.)

Slide the TRIM Assy section until its protrusion is stopped here.

When sliding the TRIM Assy section, be careful of these cables.

B

TRIM Assy Section
(AINB, TRM1 to 4 Assy)
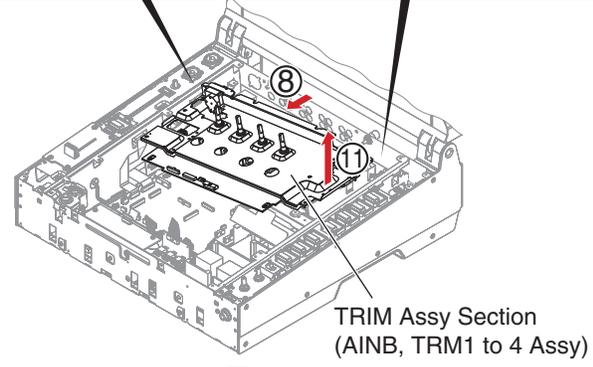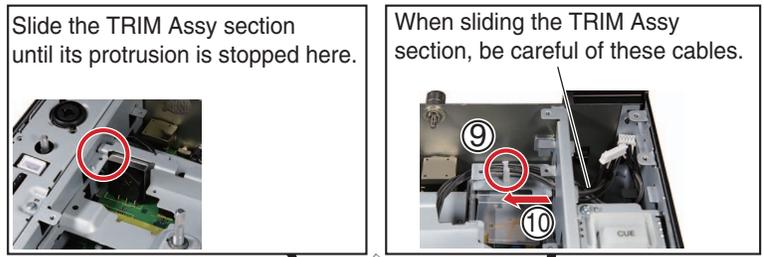
C

[3] AUX Unit Section

• PNLL Unit Section

(1) Disconnect the 1 flexible cable and
    1 connectors.
    (CN4510, 4512)
(2) Remove the slider knob 2, slider knob 1,
    and slider knob stopper.
    (Refer to "Chassis Section_[1] Control Panel
    Section_• Fader panel Section.")
(3) Remove the Panel, by removing the 4 screws.
    (DBA1446)

D

(4) Remove the 2 screws.
    (BBZ30P060FTC)

The reference of the direction

Side on which the line reaches the bottom

Stopper
(right direction)

Panel

CN4510   CN4512

Front ◄
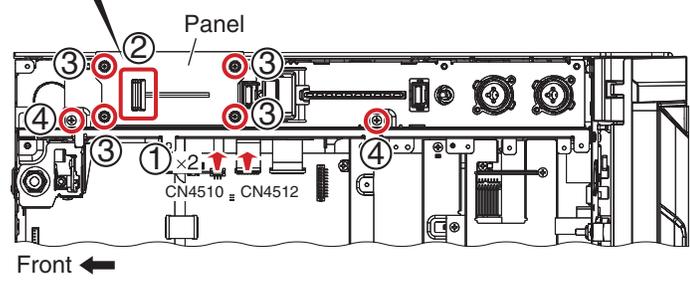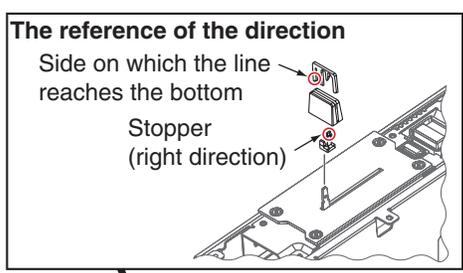
E

(5) Remove the PNLL unit section.
    (Pull up the PNLL unit section from the right
    side, by rotating it around its left side.)

PNLL unit Section
(PNLL, AFAD Assy)
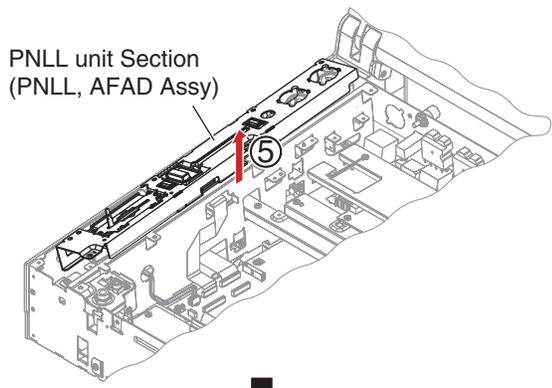
F

• AFAD Assy

(1) Remove the Fader section, by removing the 2 screws.
(BSZ20P040FTB)

Screw tightening order
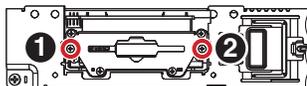
(2) Remove the 4 screws.
(BPZ20P060FTC)
(3) Remove the AFAD Assy with VR stay.
(4) Remove the 2 screws.
(PMH20P040FTC)
(5) Remove the FAD Assy.
(6) Remove the two screws and remove the Guide shaft VK1 and Slider base Section.
(CPZ26P080FTC)
(7) Remove the Slider Section from Guide shaft VK1.
(8) Remove the 2 screws and remove the Lever plate.
(BPZ20P060FTC)

Lubricating oil (GYA1001)

Top & Bottom Top & Bottom

Top & Bottom Top & Bottom

Note:
Greasing must be performed at a total of 8 points, 2 points each for the upper and bottom places of each shaft. (0.4 to 1 mg per point ×8 points)
After applying grease, move the slider base back and forth from one end to the other for approximately 10 to 20 strokes, in order to fully spread the grease.

Front ← Fader Section ①×2

④×2 ②×4 AFAD Assy
⑤ ⑧×2 Lever plate
VR stay ③↑ ⑥×2 ⑧
Guide shaft VK1 ⑥ ⑦ Slider base
Shaft holder

• AUXL and AUXR Assemblies

(1) Remove the Shield plate, by removing the 4 screws.
(BBZ30P060FTC)
(2) Remove the AUXL and AUXR Assemblies.
(During reassembly, be careful of wrong placement of the Assys.)
(3) Remove the 1 screw.
(BBZ30P060FTC)
(4) Remove the 1 nut.
(DBN1011)

Screw tightening order

The other screws are random order.

Shield plate AUXR Assy AUXL Assy
①×4 ③ ④ ② ②
Front ←
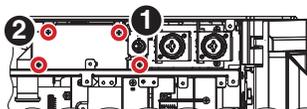
(5) Pull the Stay slightly up then pull it out, by rotating it 90°.
*1: Make sure that the nut was removed in Step (4). If it was not, the Assy will be damaged.
*2: The Stay will not rotate unless it is slightly lifted. (Be careful not to rotate it forcibly, because doing so may damage the connector.)

Stay
⑤-2 ⑤-1
Front ← TRMA Assy
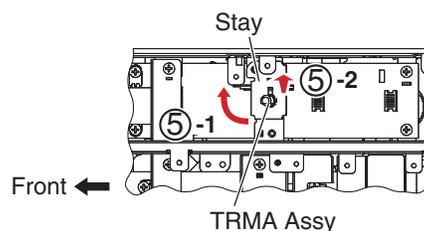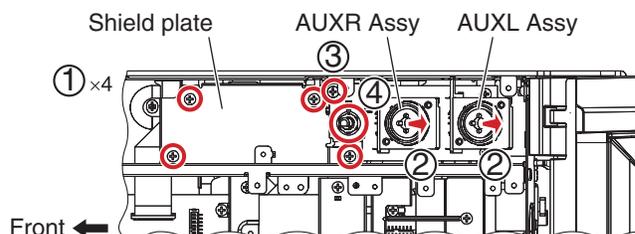
■ Note on reassembly of the control panel section

AUXL Assy   **AUXR Assy**

A protrusion is provided

A protrusion is NOT provided

AUXL Assy

AUXR Assy

During reassembly, be careful not to insert the Assy obliquely, because doing so may damage the connector.
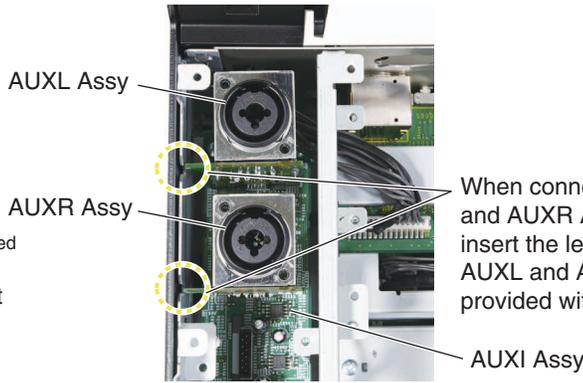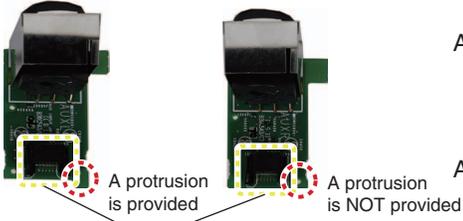
When connecting (inserting) the AUXL and AUXR Assys to the AUXI Assy, insert the left protrusion of each of the AUXL and AUXR Assys into the slits provided with the chassis.

AUXI Assy

[4] HPP2 Unit Section

• PNLR Unit Section

(1) Disconnect the 1 flexible cable.
   (CN8801)
(2) Remove the PNLR unit section, by removing the 6 screws.
   (BBZ30P060FTC)

Screw tightening order

The other screws are random order.

PNLR unit Section
(PNLR Assy)

② ×6

CN8801

Front ◀
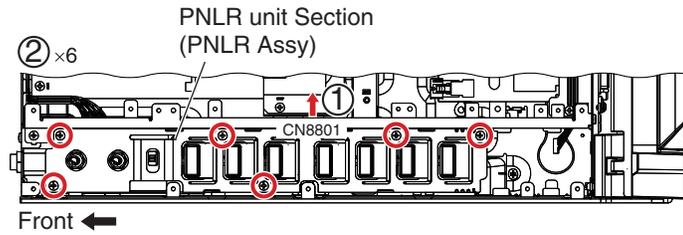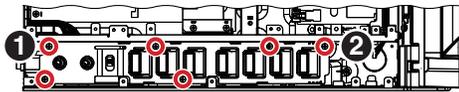
• HPP2 Assy

(1) Remove the Shield plate, by removing the 4 screws.
   (BBZ30P060FTC)

Screw tightening order

① ×4

Shield plate

Front ◀
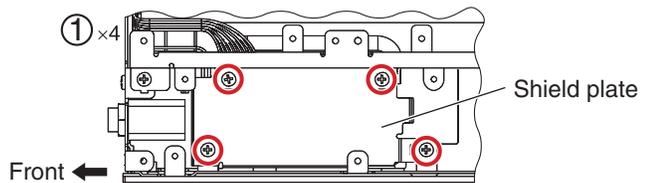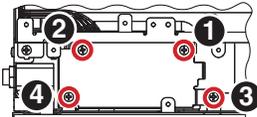
(2) Disconnect the 2 connectors.
   (CN8801, 8802)
(3) Remove the 1 nut.
   (DBN1018)
(4) Remove the 1 screw.
   (BBZ30P060FTC)
(5) Remove the 2 screws.
   (BBZ30P060FTC)

HPP2 Assy

② ×2

CN8801   CN8802

④ ③

Front ◀

⑤   ⑤
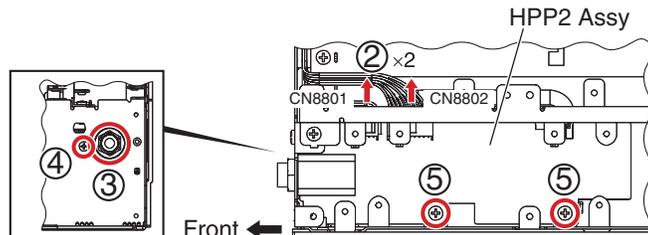
(6) Remove the HPP2 Assy.

Tongues

Cutout

⑥-1
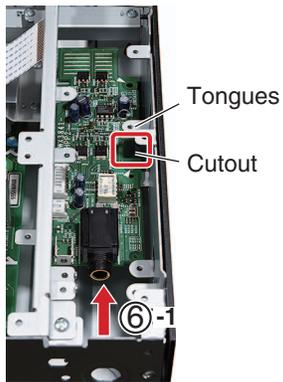
Slide the Assy toward the rear side until the cutout of the Assy comes directly below the tongues on the side panel of the chassis.

Tongues

Cutout

⑥-2
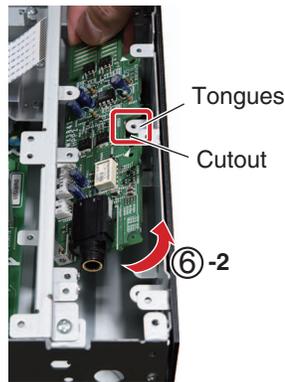
Rotate the Assy, making sure that the tongues on the chassis will not bump into the Assy, thanks to the cutout.

⑥-3
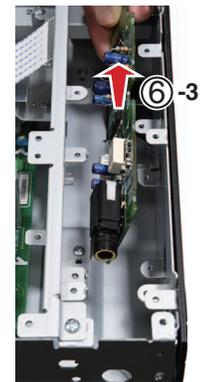
Pull the Assy out, by holding it vertically.

[5] Tiltable Display Section

(1) Release the jumper wire from the cord clamper.
(2) Disconnect the 1 connector and pull back the jumper wire to the AUX side. (CN9001)

②-1

①

CN9001

②-2
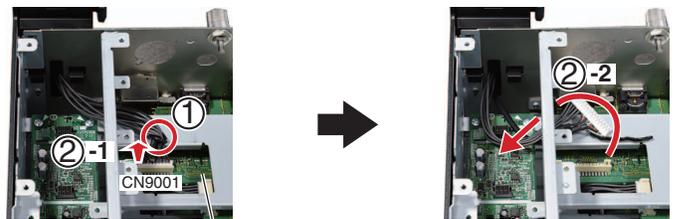
LANB Assy

(3) Remove the 15 screws. (DBA1290)
(4) Remove the 2 Panels, by removing the 4 screws. (AMZ40P080FTB)

Screw tightening order

The other screws are random order.

❶ ❷ ❷ ❶

③×15

Panel

Panel

Front ← → Front

④×4

Panel

Panel
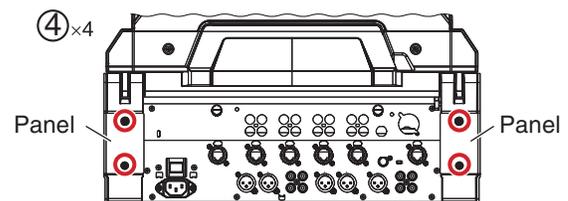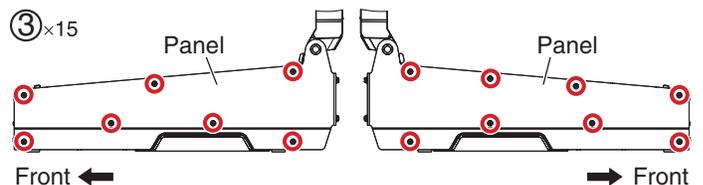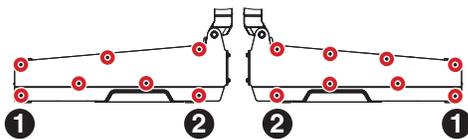
• Rear view

A

(5) Hold the Tiltable display section, slightly pull it up, then pull it out through the rear side.

Note:
NEVER attempt to tilt the Tiltable display section backward in this state. If you do, the hooks of the holding sections may be damaged.

Tiltable display Section

⑤-2

⑤-1
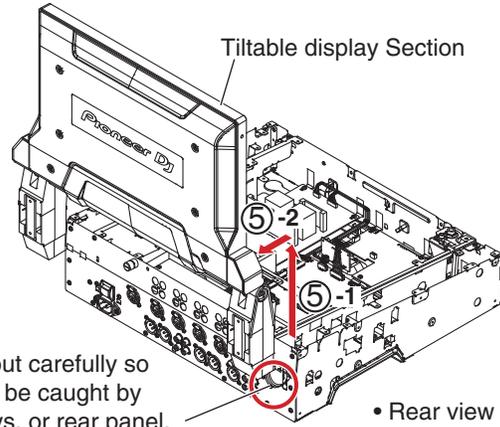
Pull the cables out carefully so that they will not be caught by the chassis, stays, or rear panel.

• Rear view

B

[6] LANB Assy

(1) Remove the 3 screws.
(BBZ30P060FTC)
(2) Pull up the Frame from the right aperture.
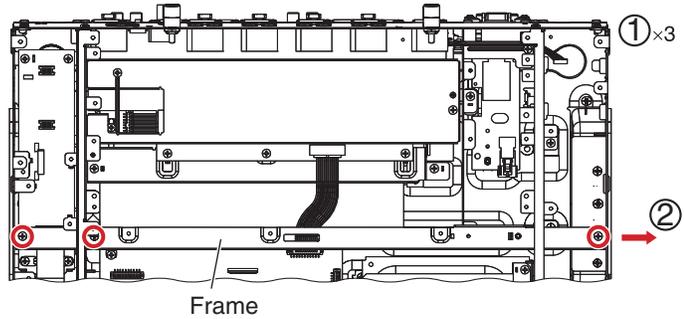
C

①×3

②

Frame

(3) Remove the Shield case, by removing the 3 screws.
(BBZ30P060FTC)

Screw tightening order
The other screws are random order.

D

③×3

→ Front

❶ ❷

Screwdriver
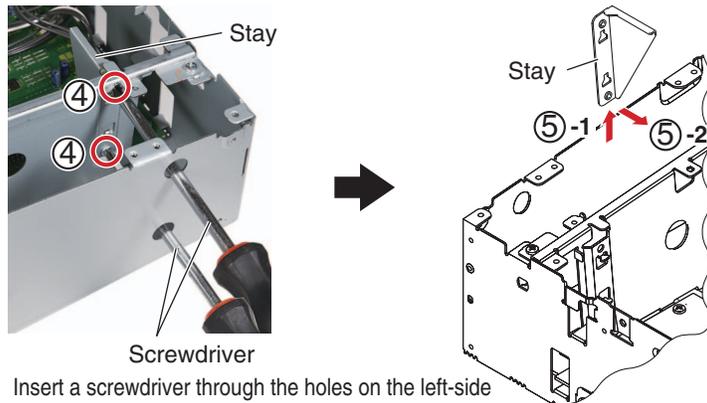
Shield case

Insert a screwdriver through the holes on the left-side panel of the chassis and remove the two screws.

E
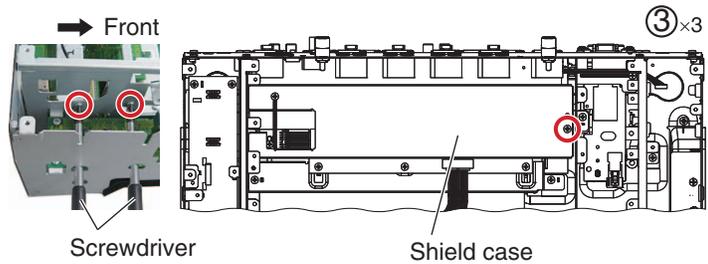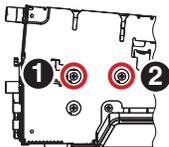
(4) Disconnect the 2 connectors.
(CN9002, 9003)
(5) Remove the 3 screws.
(BBZ30P060FTC)

LANB Assy

⑤×3

④ CN9002

CN9003

④

F

A
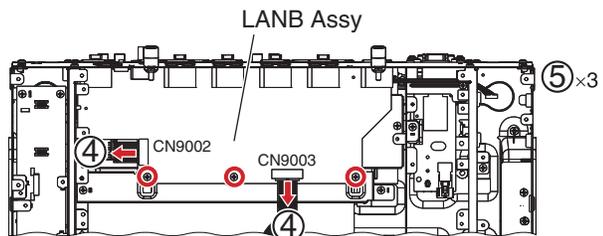
(6) Remove the 1 screw.
(BPZ26P080FTB)
(7) Remove the 12 screws.
(PPZ30P080FTB)

Screw tightening order
The other screws are random order.

⑦×12

⑥

• Rear view

B
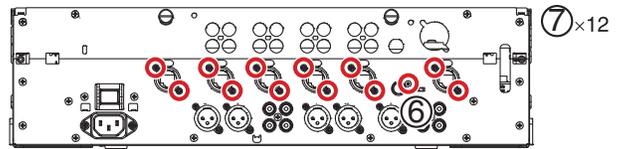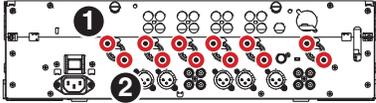
(8) Remove the LANB Assy.

⑧-2

LANB Assy

⑧-1

C
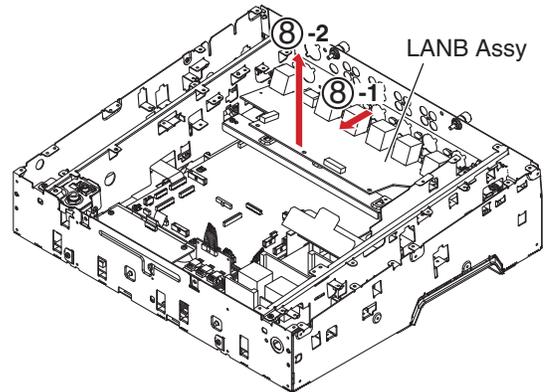
(9) Remove the Stay, by removing the 2 screws.
(BBZ30P060FTC)

⑨×2

D

Stay
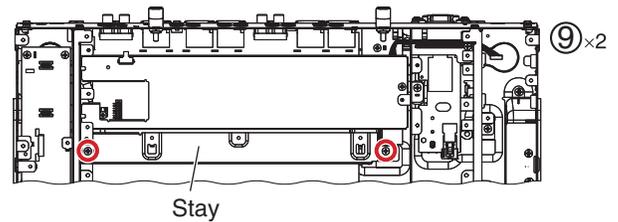
[7] AUXI and TRMA Assemblies

(1) Disconnect the 1 flexible cable.
(CN4511)
(2) Remove the 4 screws.
(BBZ30P060FTC)

Screw tightening order

E

AUXI Assy

②×4

①

CN4511

Front

F
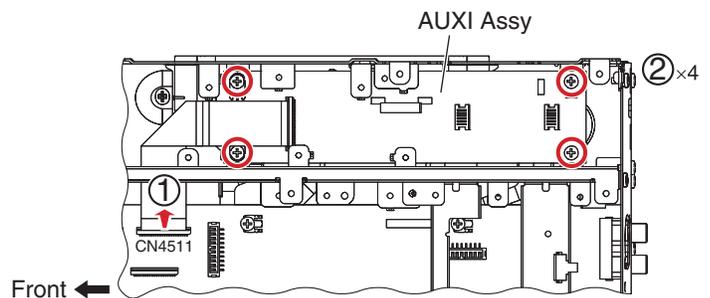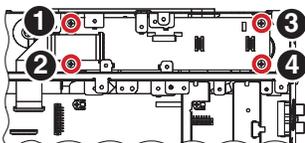
A

(3) Pull the AUXI Assy out upward toward the rear side, by holding a lever on TRMA.
(Be careful that no parts on the Assy bump into the tongues on the chassis or frame.)
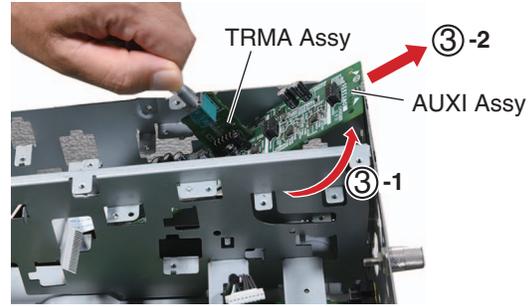
TRMA Assy ③-2
AUXI Assy
③-1

B

(4) Remove the Shield case, by removing the 3 screws.
(BBZ30P060FTC)
Screw tightening order
The other screws are random order.

❶ ❷

Front   ④×3

Screwdriver   Shield case
Insert a screwdriver through the holes on the left-side panel of the chassis and remove the two screws.

C
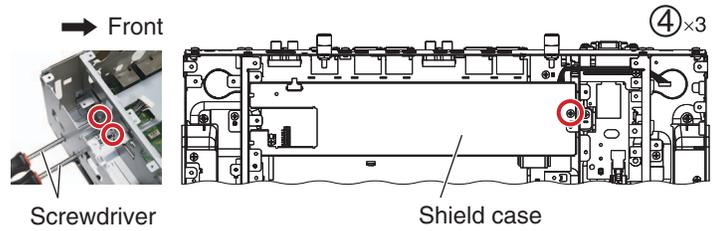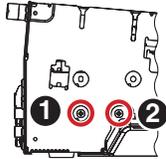
[8] HPJM and HPJK Assemblies

(1) Disconnect the 1 connector.
(CN8202)
(2) Remove the HPJM Assy.
(3) Remove the HPJK Assy.

HPJM Assy ②-2 ②-1
①
CN8202

HPJK Assy ③-4 ③-3 ③-1 ③-2

D
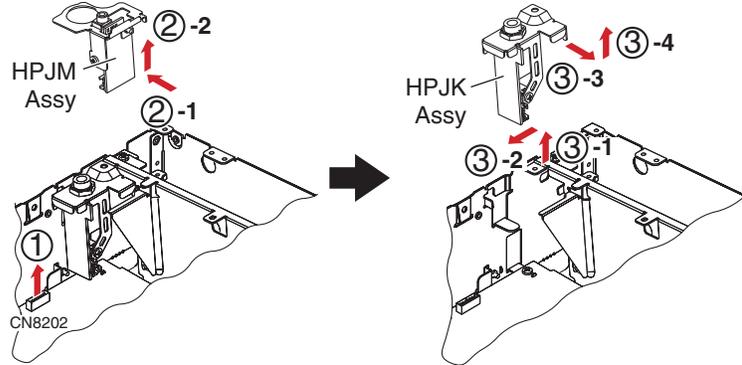
(4) Remove the 2 screws.
(BBZ30P060FTC)
(5) Remove the Stay.

Stay ④ ④

Stay ⑤-1 ⑤-2

Screwdriver
Insert a screwdriver through the holes on the left-side panel of the chassis and remove the two screws.

E

F

[9] MAIN, SEND, HPPW and REGB Assemblies

• MAIN and SEND Assemblies

(1) Remove the 10 screws.
 (PPZ30P080FTB)
(2) Remove the 2 screws.
 (BPZ30P080FTB)

Screw tightening order
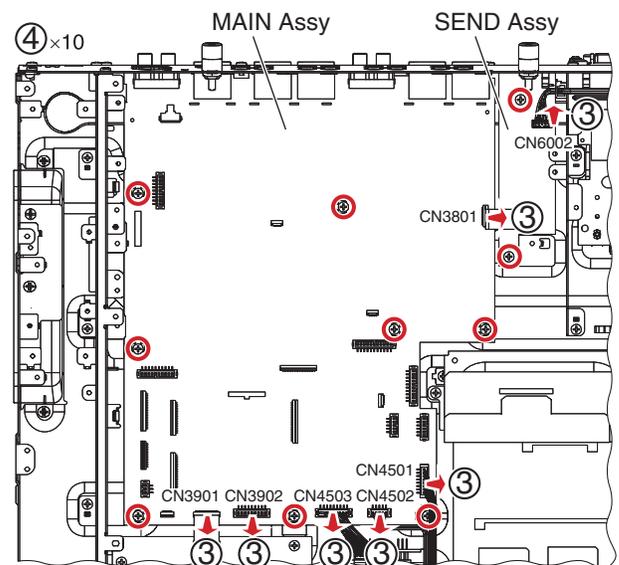
The other screws are random order.

①×10
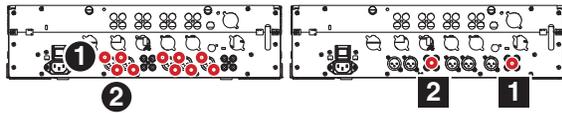
• Rear view

(3) Disconnect the 2 flexible cables and
 5 connectors.
 (CN3801, 3901, 3902, 4501-4503, 6002)
(4) Remove the MAIN and SEND Assemblies, by
 removing the 10 screws.
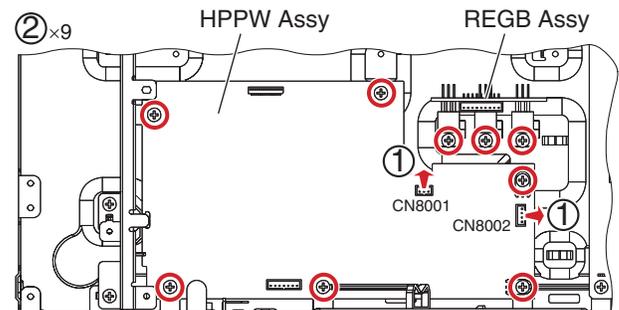 (BBZ30P060FTC)

Screw tightening order

④×10

MAIN Assy   SEND Assy
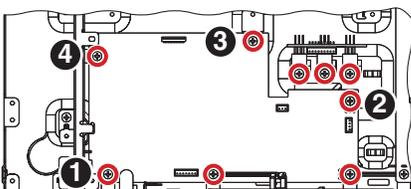

CN6002
CN3801
CN3901 CN3902 CN4503 CN4502
CN4501
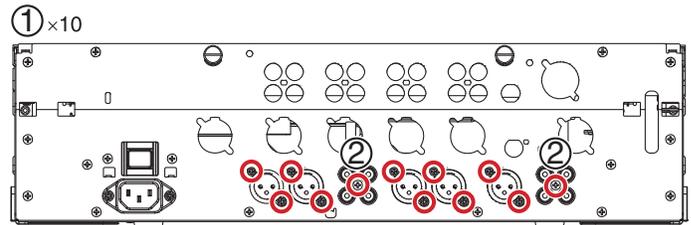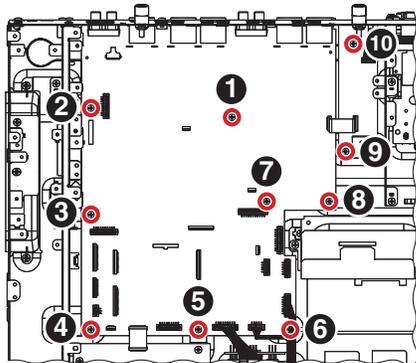
• HPPW and REGB Assemblies

(1) Disconnect the 2 connectors.
 (CN8001, 8002)
(2) Remove the HPPW and REGB Assemblies,
 by removing the 9 screws.
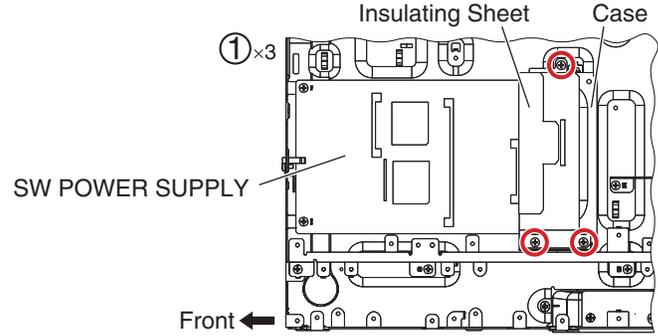 (BBZ30P060FTC)

Screw tightening order

The other screws are random order.

②×9

HPPW Assy   REGB Assy

CN8001
CN8002

[10] SW POWER SUPPLY and ACSW Assy

• SW POWER SUPPLY

(1) Remove the Insulating sheet and Case, by removing the 3 screws.
(BBZ30P060FTC)

Insulating Sheet   Case

①×3

SW POWER SUPPLY

Front ←

(2) Disconnect the 4 connectors.
(P1 to 4)
(3) Remove the 3 screws.
(BBZ30P060FTC)
(4) Remove the SW POWER SUPPLY, by removing the PCB holder.

③   ③
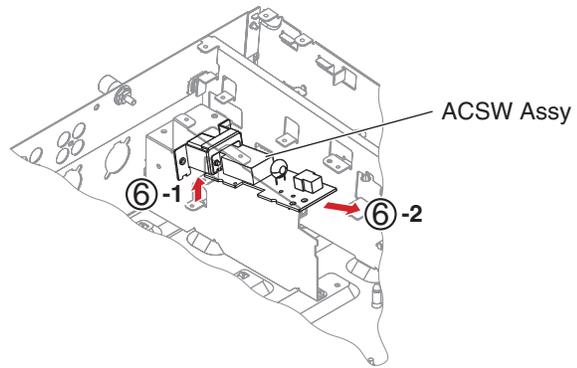② P3
② P4
② P2
③   P1
②   ④

SW POWER SUPPLY

Front ←
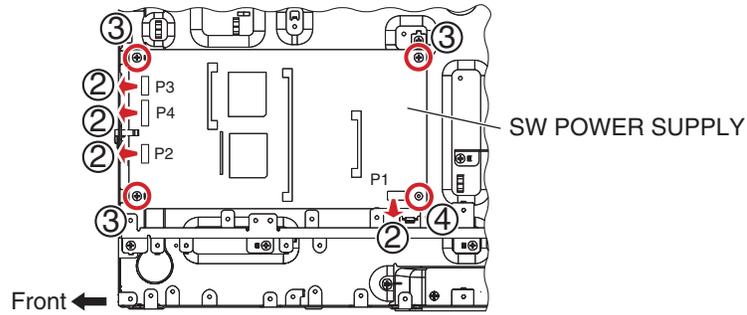
• ACSW Assy

(1) Remove the 2 screws.
(BBZ30P060FTB)
(2) Remove the Sheet, by removing the 1 screw.
(BBZ30P060FTC)
(3) Release the jumper wire from the Holder.
(4) Disconnect the 1 connector.
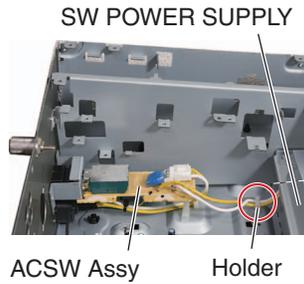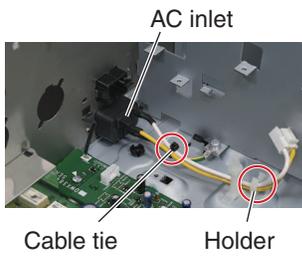(CN7701)
(5) Remove the PC board from the PCB holder.

①   ①

• Rear view

Sheet   ②
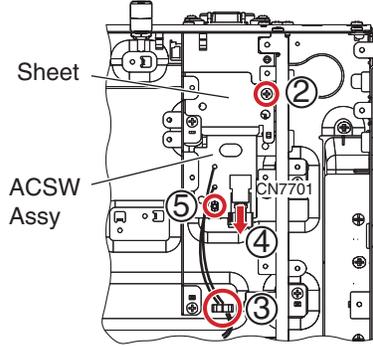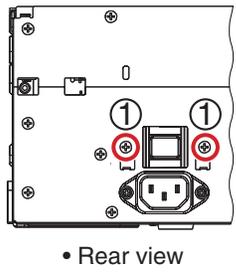
ACSW
Assy   CN7701
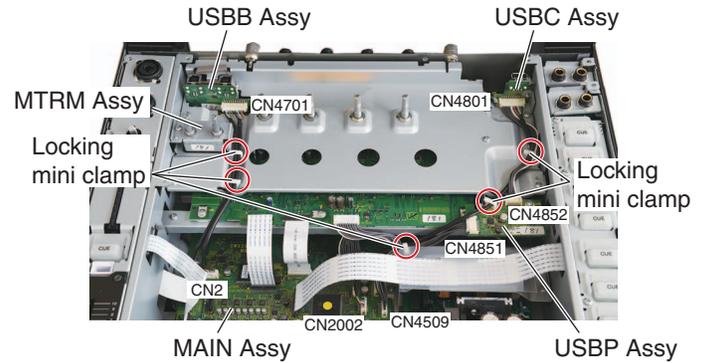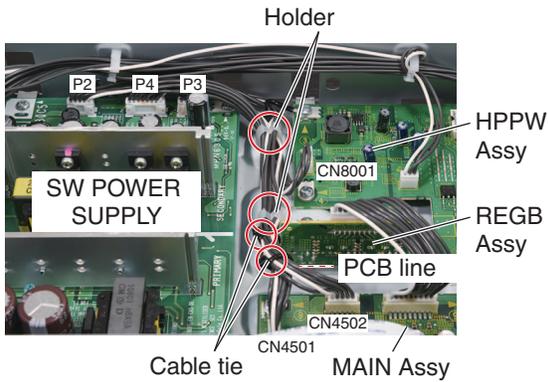⑤   ④
③

(6) Remove the ACSW Assy.

ACSW Assy

⑥-1   ⑥-2

■ Jumper wire styling

Cord clamper
Secure only the cables from the P2 connector
with this cable clamp.

AC inlet

SW POWER SUPPLY

P2

Cable tie   Holder

ACSW Assy   Holder

SW POWER
SUPPLY

HPPW Assy

Holder

USBB Assy   USBC Assy

MTRM Assy

CN4701   CN4801

Locking
mini clamp

P2   P4   P3

CN8001

HPPW
Assy

REGB
Assy

SW POWER
SUPPLY

Locking
mini clamp

CN4852

PCB line

CN4851

CN4502

CN2

CN4501

Cable tie   MAIN Assy

MAIN Assy

CN2002   CN4509

USBP Assy
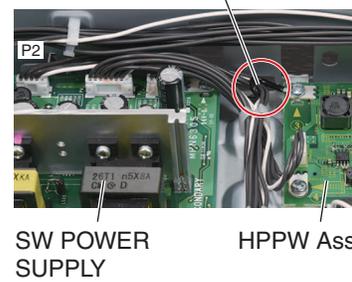
• Cables connecting between the HPP2 and HPPW Assys
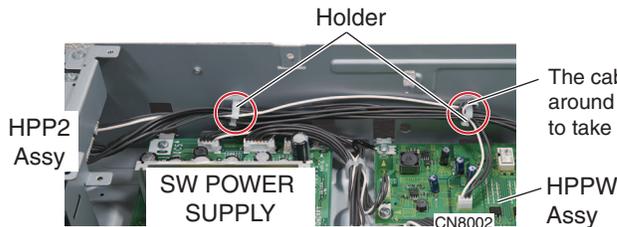
Holder

HPP2
Assy

The cable connected to the CN8002 connector must be wrapped
around the Holder once, as shown in the photo below, in order
to take up the slack on the HPP2 Assy side.

SW POWER
SUPPLY

HPPW
Assy

CN8002

• Cables connecting between the HPP2 and MAIN Assys
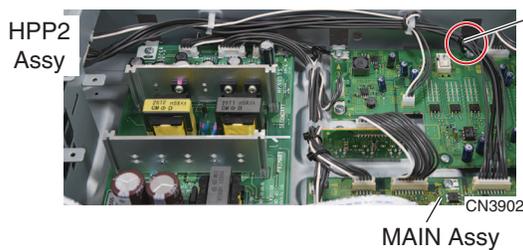
HPP2
Assy

Cord clamper
To take up the slack in the cables connected to the CN3902
connector on the HPP2 Assy side, tie the cables, as shown
in the photo below.

CN3902

MAIN Assy

• Cables connecting between the AINB and REJK Assys and the SEND and SEJK Assys

Holder:
Bind the cables connected to the CN5102 connector of the AINB Assy and the CN6002 connector of the SEND Assy, using a Holder, as shown in the photo below.

Cable tie

Cord clamper:
Hold down the cables connected to the CN5102 connector of the AINB Assy and the CN6002 connector of the SEND Assy against the stay, using a holddown, as shown in the photo below, so that the cables will not rise.

Stay

Cables connected to CN5102 of the AINB Assy
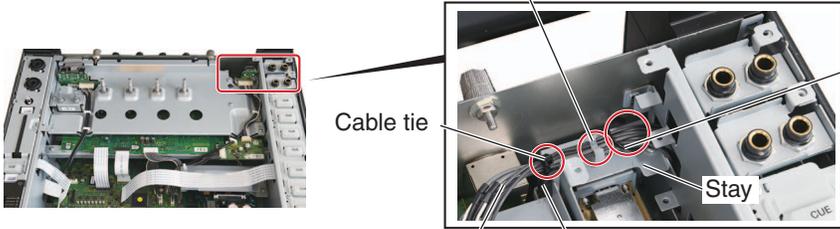
Cables connected to CN6002 of the SEND Assy

• Cables connecting between the LANB and ILMB Assys

Cord clamper:
Hold down the cables connecting between the LANB and ILMB Assys against the shield case, using a holddown, as shown in the photo below, so that the cables will not rise.

Notes on Cable Dressing:
The cables connecting between the LANB and ILMB Assys run near the CN9501 connector of the AUXI Assy. Be sure to dress the cables so that they will not run above the connector.

CN9001

Shield case

LANB Assy

CN9501
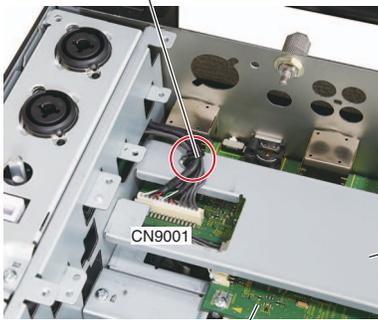
AUXI Assy   Frame

■ Reference information (Screw tightening order)

PNLL Assy
The other screws are random order.

PNLL Assy

Bracket PSW

Bracket PSW

ACSW Assy
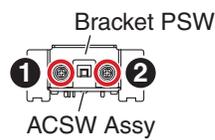
Frame

Frame   Frame
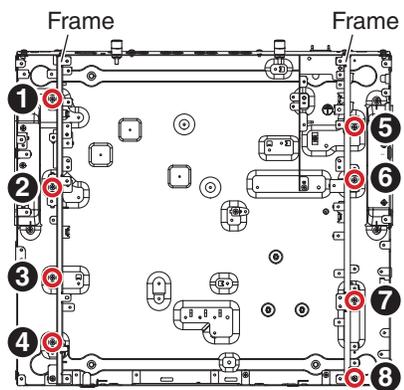
PNLR Assy
The other screws are random order.

PNLR Assy
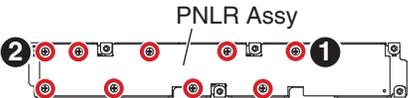
Rear Panel

Rear panel
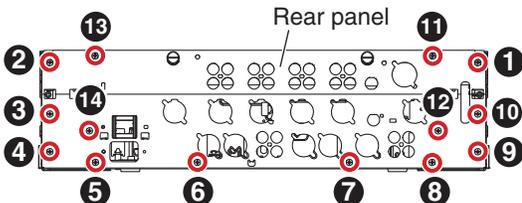
Tiltable Display Section

[1] Exterior Section

(1) Remove the 2 Covers.
(2) Remove the Case and Covers, by removing the 6 screws.
(DBA1450)

②×6

Case

Cover

Cover

Cover

Cover

①

①

• Rear view
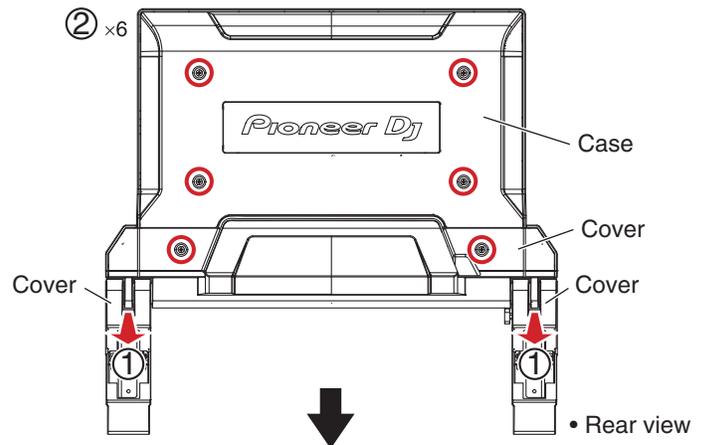
[2] ILMB Assy

(1) Disconnect the 1 connector and 3 USB terminals.
(CN9801, JA9801-9803)
(2) Remove the ILMB Assy, by removing the 6 screws.
(BMZ30P050FTC)

Screw tightening order

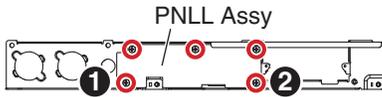The other screws are random order.

❶   ❷

②×6

JA9801   CN9801

①×3

JA9803   JA9802

ILMB Assy

Cord clamper

• Rear view
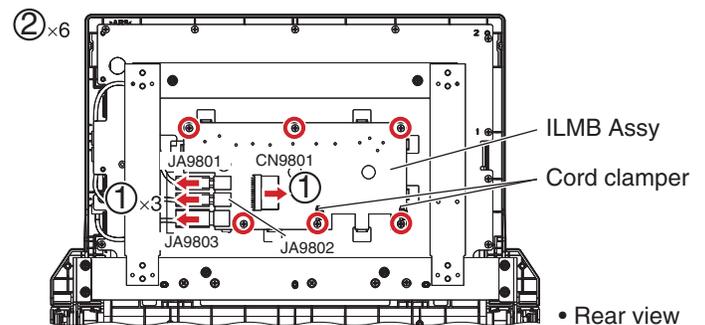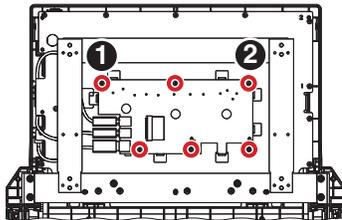
■ Jumper wire styling

On one end of the cable that connects between the ILMB and LAMB Assys, a piece of tape is attached. During reassembly, be sure to connect the connector of the cable on the end to which tape is attached to CN9801 of the ILMB Assy.

CN9801

ILMB Assy

Cord clamper

Dress the cables not to hang over this hole.

Cord clamper

Cord clamper

Ferrite core

Run the cables into the groove.

Run the cables through the slit (groove).
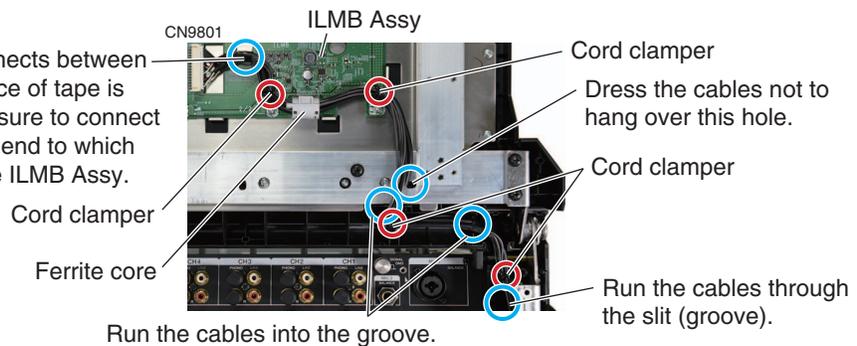
[3] LCD Full Module

• Hinge

(1) Remove the 2 screws.
(BPZ30P080FTB)
(2) Remove the 2 Hinges, by removing the 4 screws.
(PMB40P120FTB)

②②
②②
①①
①①
Hinge   Hinge

• Rear view
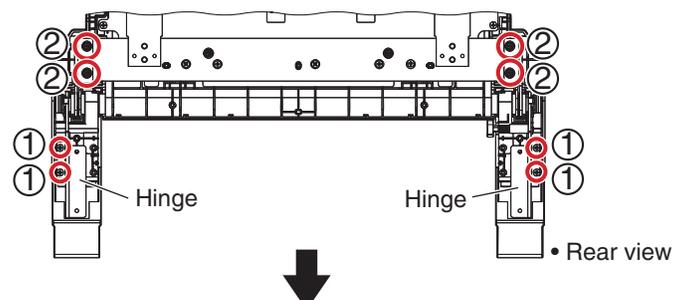
• Frame Section

(1) Remove the 2 screws.
 (BPZ30P100FTC)
(2) Remove the Frame section, by removing the
 4 screws.
 (PMB40P120FTB)

$\textcircled{2}\times4$

Frame
Section

• Rear view
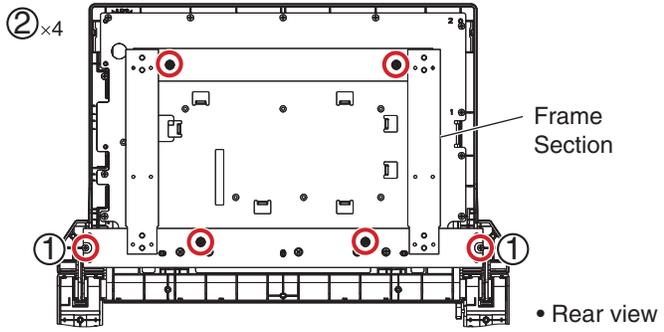
• Chassis

(1) Remove the Chassis, by removing the
 14 screws.
 (BPZ30P100FTC)

Screw tightening order

$\textcircled{1}\times14$

Chassis

• Rear view
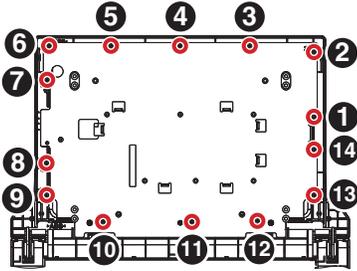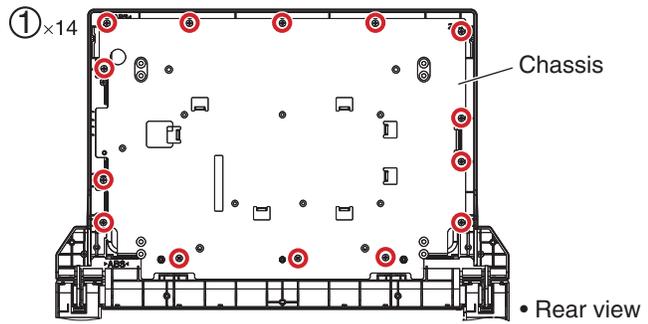
• LCD Full Module

(1) Remove the LCD Full Module.
(2) Disconnect the 3 USB cables.

$\textcircled{2}\times3$

LCD Full Module

$\textcircled{1}$

■ Jumper wire styling

LCD Full Module

ILMB Assy

Frame Section

Chassis

USB conn-cable
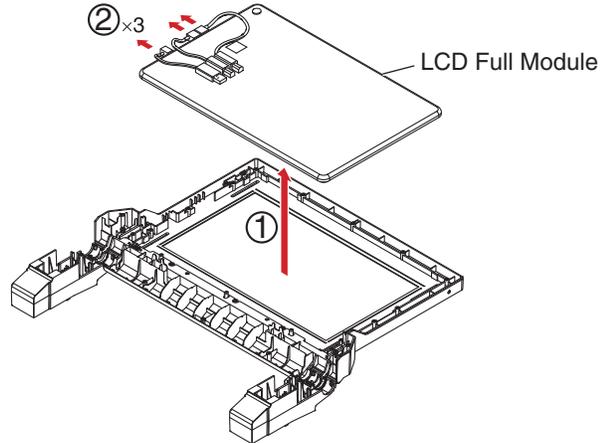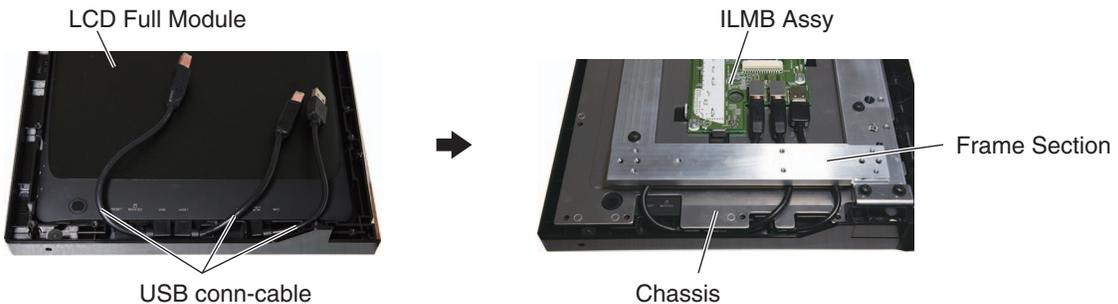
Control Panel Section

[1] Control panel and Panel

(1) Remove the all knobs.

①×32
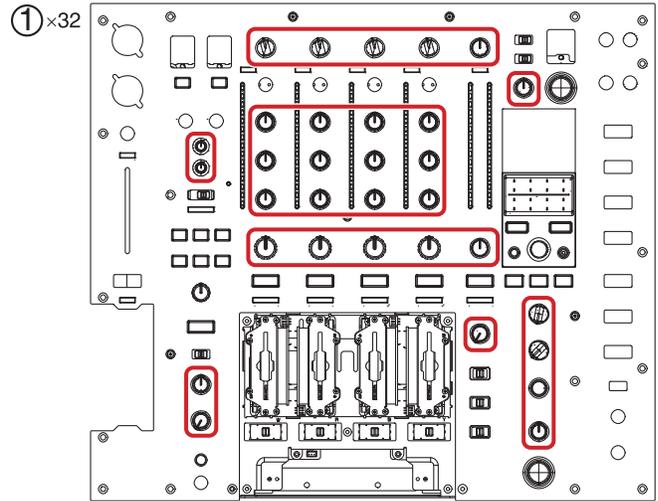
(2) Remove the Control panel, by removing the
7 screws.
(DBA1446)

②×7

Control
panel
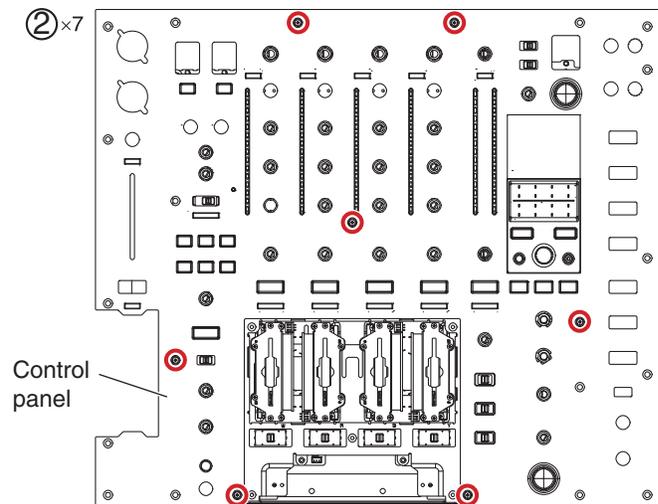
[2] X-Pad Service Assy

(1) Remove the X-Pad Service Assy, by removing
the 1 screw.
(DBA1290)
(2) Disconnect the 1 flexible cable.
(CN7004)

①

X-Pad Service Assy

②
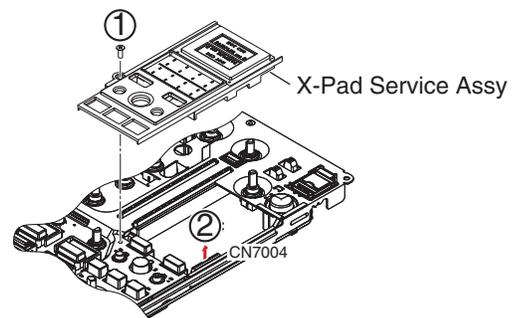
CN7004

[3] Fader Section

(1) Remove the FAD1 to 4 Assy Sections, by
    removing the 8 screws.
    (BSZ20P040FTB)
(2) Disconnect the 4 connectors.
    (CN7006 to CN7009)

• FAD1 to 4 Assy
The procedure is the same as AFAD Assy.
Refer to "Chassis Section_[3] AUX unit Section_
• AFAD Assy."
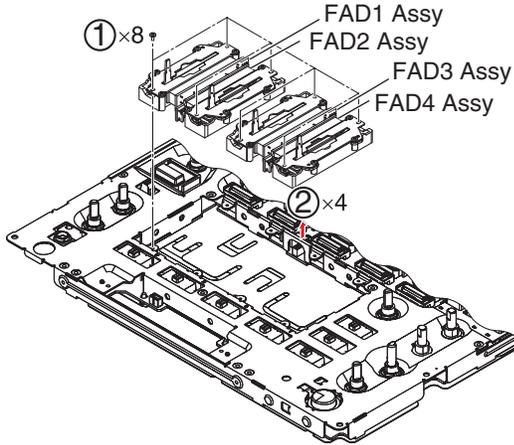
• Connectors color
Match the color of a connected connector.
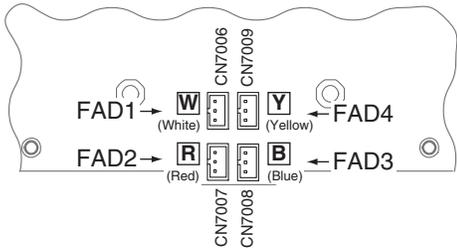
Screw tightening order
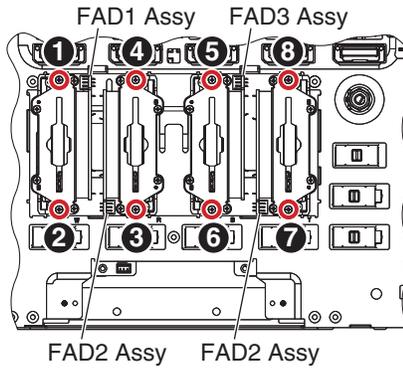
[4] PNLA and PNLB Assemblies

• Exterior parts
(1) Remove the 2 USB door Assy Sections.
(2) Remove the 2 SW Packings (EF).
(3) Remove the 6 holders.
(4) Remove the 6 Buttons/CUE.
(5) Remove the 7 Slide SW Caps (W).
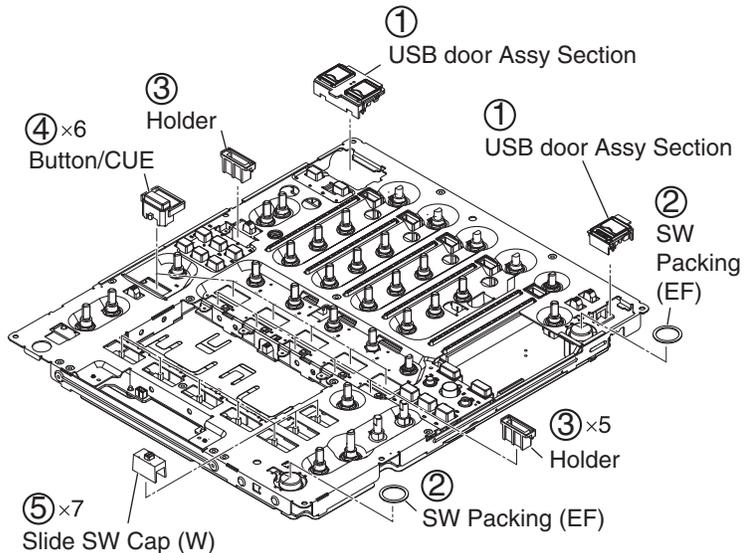
(6) Remove the 31 nuts and 31 washers.
(7) Remove the 2 nuts.

⑥×31

⑦×2
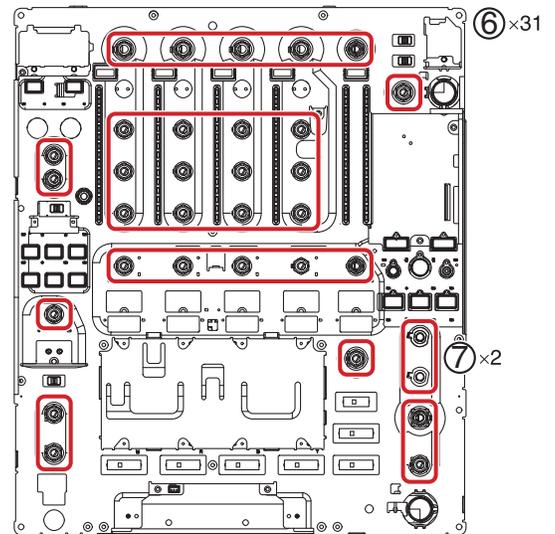
• PNLA and PNLB Assemblies
(1) Reverse the Control panel Section.
(2) Remove the Sheet, by removing the 9 screws.
(BBZ30P060FTC)

②×9

FFC

Sheet

• Bottom view
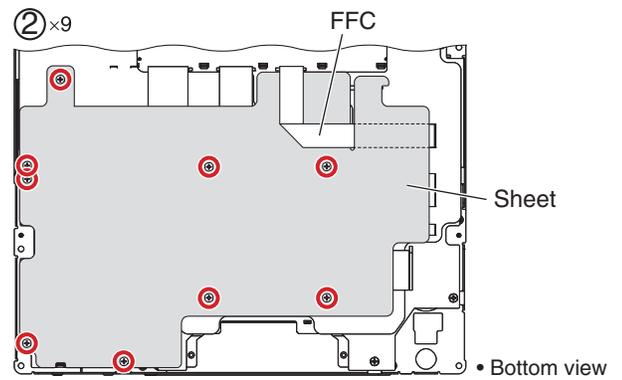
(3) Unhook the 3 hooks for FFC styling.
(4) Remove the Sheet, by removing the 10 screws.
(BBZ30P060FTC)

④×10

Sheet

FFC

③

③

③

FFC

• Bottom view

73
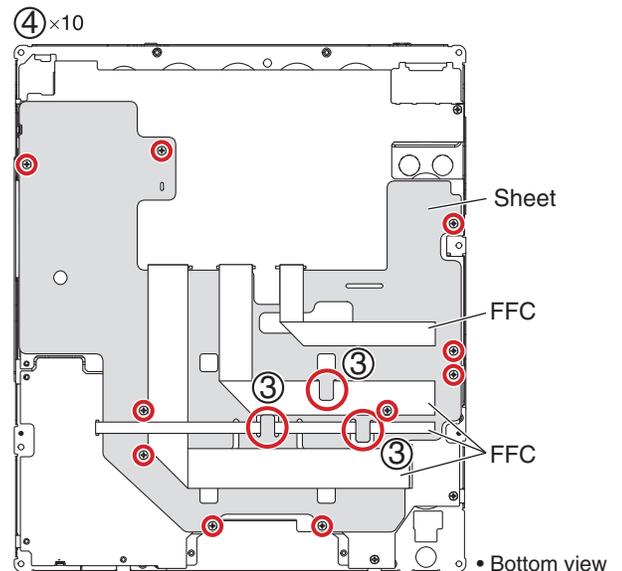
A

(5) Remove the PNLA and PNLB Assemblies, by removing the 3 screws.
(BBZ30P060FTC)

⑤×3

PNLA Assy

B

PNLB Assy

• Bottom view

Screw tightening order

C

D

■ Flexible cable styling

E

6P FFC pass on FFC.   Hook

Pass FFC from this slit.

F
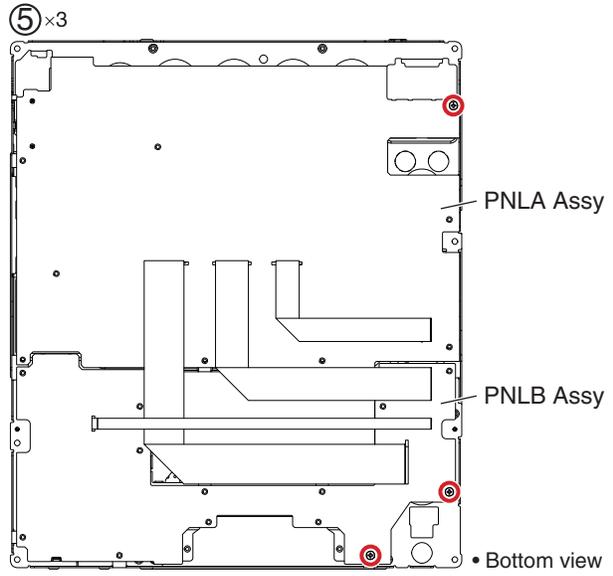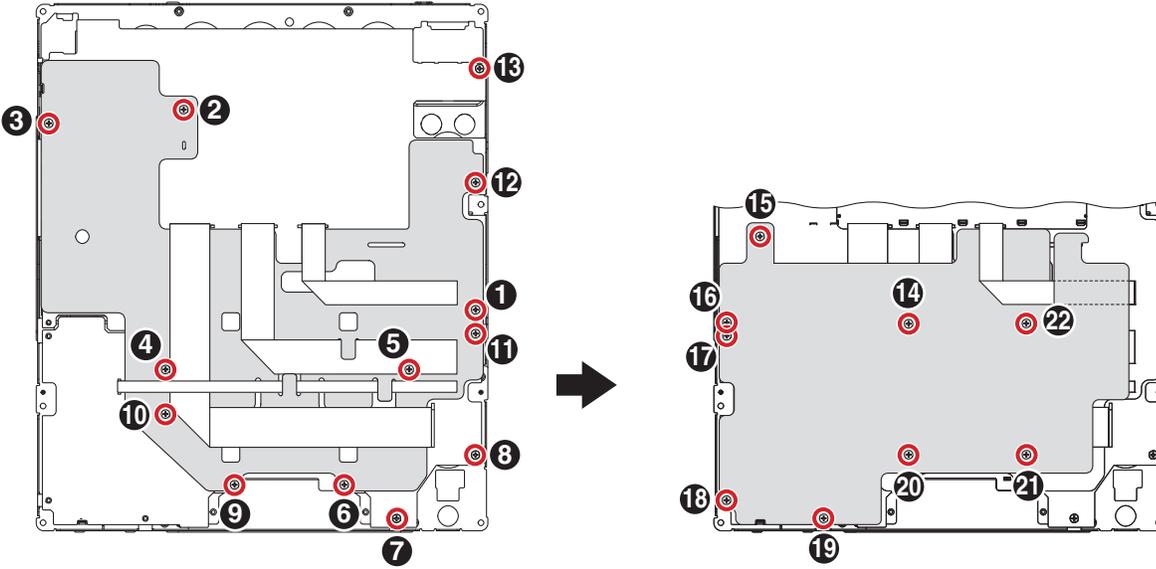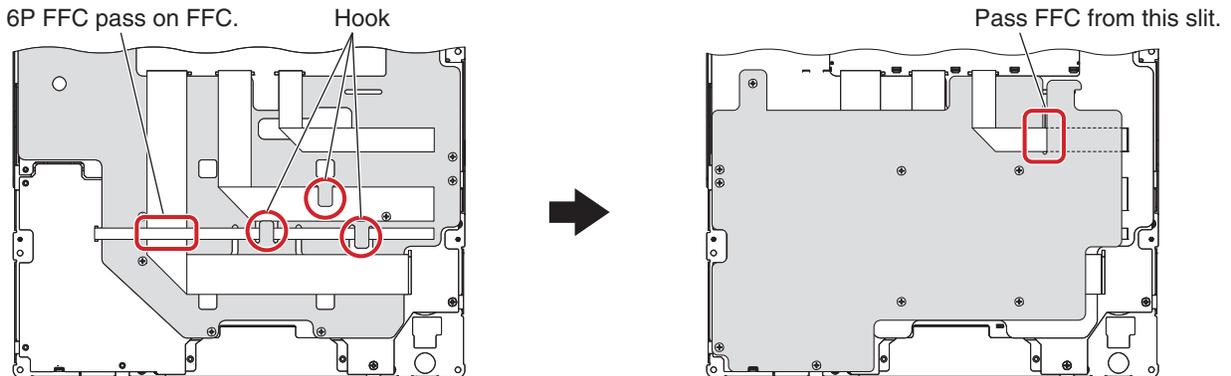
8. EACH SETTING AND ADJUSTMENT
8.1 NECESSARY ITEMS TO BE NOTED

It is recommended that you take note of the setting data before starting repair.
Use "■ Sheet for confirmation of the user setting" on "8.5 USER SETABLE ITEMS" for taking notes.
After repairing, be sure to check the version of the firmware (see "Mode 1: Software version confirmation mode. "Version""
in "6.1 TEST MODE"), and if it is not the latest one, update to the latest version.

Perform the each item when the following parts are replaced.

- MAIN Assy
  (MAIN UCOM: IC1, FLASH: IC8)

$\Longrightarrow$
- Confirmation of the version of the firmware
- Updating to the latest version of the firmware
- Writing the serial number and language setting of the unit
- Mode 2:
  Crossfader calibration mode "CFDR SET"
- How to make pairing the LCD display module (13 inch)

- PNLA Assy
  (PANEL UCOM: IC7001)

$\Longrightarrow$
- Confirmation of the version of the firmware
- Updating to the latest version of the firmware
- Crossfader calibration
  (See Mode 2: Crossfader calibration mode "CFDR SET"
   in "6.1 TEST MODE")

- CROSS FADER Assy

$\Longrightarrow$
- Crossfader calibration
  (See Mode 2: Crossfader calibration mode "CFDR SET"
   in "6.1 TEST MODE")

- LCD display module (13 inch)

$\Longrightarrow$
- How to make pairing the MAIN Assy

8.2 UPDATING OF THE FIRMWARE

[1] Downloading and Unzipping the Updater File

① Download the zipped firmware file for the latest firmware from Niis.
② Unzip the DJM-TOUR1_xxx.zip file to get the updater file.
  "DJM-TOUR1_xxx.upd"
  • The above xxx denotes the version of new firmware.
  • The extension (.exe) may not be displayed, depending on the setting of the computer.

[2] Preparation for Updating

① Save the firmware file "DJM-TOUR1_vxxx.upd" to the root directory of USB memory.
  • DO NOT rename the file name.
  • DO NOT save the multiple firmware files in the USB memory.

[3] How to Update

UPDATE

ver. 1.02 → ver. ---

0%
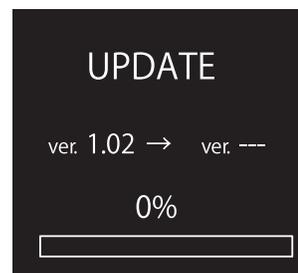
Version display
Left: Current version
Right: Version of the firmware after updating

① Enter Update mode.
  While holding the ON/OFF (BEAT FX) and MID (FX FREQUENCY) buttons pressed, press the POWER button (to set it to ON).
  Remove the USB connection, LINK connection and INTERNET connection cables.

② Check the current version of the firmware.
  Check the version indicated on the display.
  If the current version is the same as the downloaded firmware version (xxx), the current firmware version is the latest and
  there is no need for updating.

③ Plug a USB memory device to use for updating into the USB port.
  Updating starts.
  The progress of updating is indicated with the bar and percentage indications on the display.
  NEVER unplug the USB memory device nor turn the unit OFF during updating.
  Updating takes about 9 minutes.

④ After "COMPLETE" is indicated, turn the unit OFF then unplug the USB memory device used for updating.
  Updating is completed.

If updating does not start, restart from downloading of an updater. If updating cannot be started even after the above retry,
the USB memory device may be faulty. Retry updating, using another USB memory device.

8.3 WRITING THE SERIAL NUMBER AND THE LANGUAGE SETTING OF THE UNIT

Preparations
① Download the software for writing the serial number from Niis.
② The compressed files decompress and save to PC.
  The generated folder is below.
     - Ini folder
     - Log folder
     - hidcom.dll
     - DJMTOUR1_SNW.exe
     - device.ini
     - UsbMidi.dll
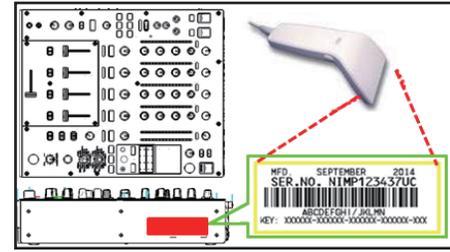
Procedure
① Connect the unit with a PC via a USB B cable.
② To start the unit in checker mode.
  Starting method is turning on main switch with pressing [NOISE], [FILTER] and [1ch CUE] button.

CHECKER MODE : ON
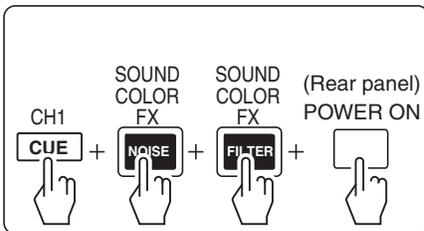
③ Turn on PC, and click software "DJMTOUR1_SNW.exe".
④ Push [Serial Number Write] button, display serial input dialog (first time).

  Enter serial number by handwork or barcode reader, and push "Enter".
  If enter by handwork, enter " ' " before serial number.
  (If forgot, displayed error)
  If enter by barcode reader, need to connect for PC in advance.

*Reference screen
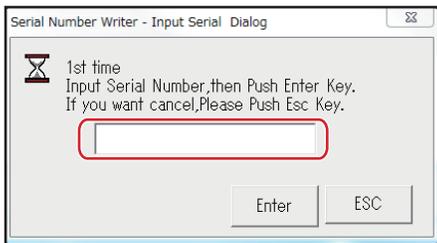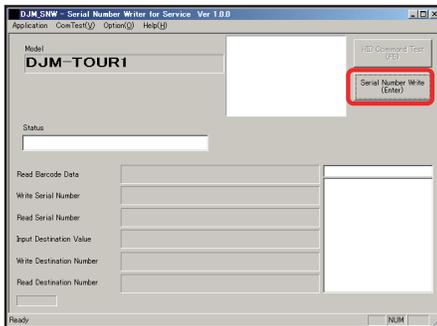
⑤ Again display serial input dialog (second time), enter serial number by handwork or barcode reader, and push "Enter".
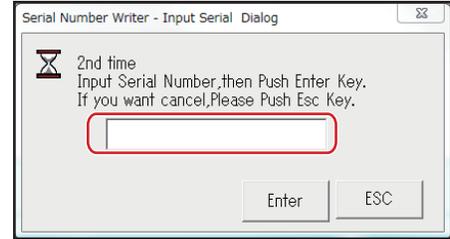
⑥ Dialog is displayed for the input of setting language, you need to enter in accordance with following table.

MODEL NO	INPUT
DJM-TOUR1/LSYXJ	DJM-TOUR1/L
DJM-TOUR1/UXJCB	DJM-TOUR1/U
DJM-TOUR1/XJCN	DJM-TOUR1/X

Display of each input are listed in the following table.

INPUT	LAN
DJM-TOUR1/L	en
DJM-TOUR1/U	en
DJM-TOUR1/X	zh-CN

⑦ Completed successfully, PC software (DJMTOUR1_SNW.exe) is displayed "OK".
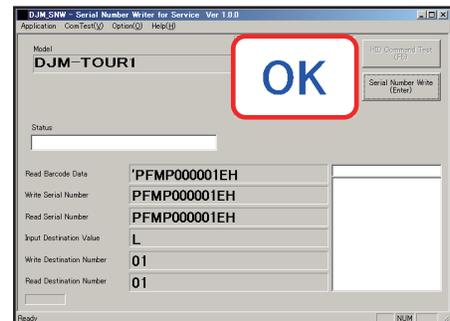
⑧ Turn off the unit, and remove the connection to the PC.

The procedure about Factory reset

Do factory reset in order to load the written language setting.
① Push [POWER] with pressing [QUANTIZE (UTILITY, WAKE UP)],
   factory reset confirmation screen is displayed on the display.
   Push [OK].

Factory Reset

Reset this DJM back to the factory
settings
If this DJM is connected to the
internet, the information on this
DJM registered in KUVO will be
deleted.

OK

② Although the following screen is displayed, select [OK].

Factory Reset

This DJM is not connected to the internet.
To delete the information on this DJM registered in KUVO, connect an internet
router to the INTEENET port.
Are you sure you reset only the setting of this DJM back to the factory default .

Cancel   OK
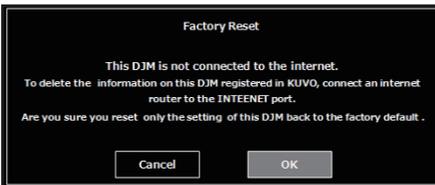
③ When the display that factory reset is completed is displayed,
   turn off the power with pressing [POWER].

The procedure about checking serial number

If you need check serial number which is successfully or not,
enter checker mode. And check main display which is displayed
serial number.

8.4 HOW TO MAKE PAIRING BETWEEN THE 13 INCH LCD MODULE AND THE MAIN ASSY

Replacing the MAIN Assy

```
         ┌─────────────────────────────────────┐
         │ Is it possible to display the service mode │  No
         │ by operating the control panel button      │─────────────────┐
         │ of the CDJ/DJM unit?                        │                 │
         └─────────────────────────────────────┘                 │
                          │ Yes                                    │
                          ▼                                        ▼
              ┌───────────────────────┐            ┌───────────────────────────┐
              │   Cancel the pairing   │            │    Replace the MAIN Assy   │
              └───────────────────────┘            └───────────────────────────┘
                          │                                        │
                          ▼                                        ▼
              ┌───────────────────────┐            ┌───────────────────────────────────┐
              │   Replace the MAIN Assy │           │  Disassemble the 13 inch LCD module │
              └───────────────────────┘            └───────────────────────────────────┘
                          │                                        │
                          ▼                                        ▼
              ┌───────────────────────┐            ┌─────────────────────────────────────────┐
              │         pairing         │           │ Enter the service mode by the volume button │
              └───────────────────────┘            └─────────────────────────────────────────┘
                          │                                        │
                          ▼                                        ▼
              ┌───────────────────────┐            ┌─────────────────────────────────────────┐
              │        Power off        │           │ Enter the service mode by the volume button │
              └───────────────────────┘            └─────────────────────────────────────────┘
                                                                   │
                                                                   ▼
                                                       ┌───────────────────────────┐
                                                       │          pairing           │
                                                       └───────────────────────────┘
                                                                   │
                                                                   ▼
                                                       ┌───────────────────────────┐
                                                       │          Power off         │
                                                       └───────────────────────────┘
```

A
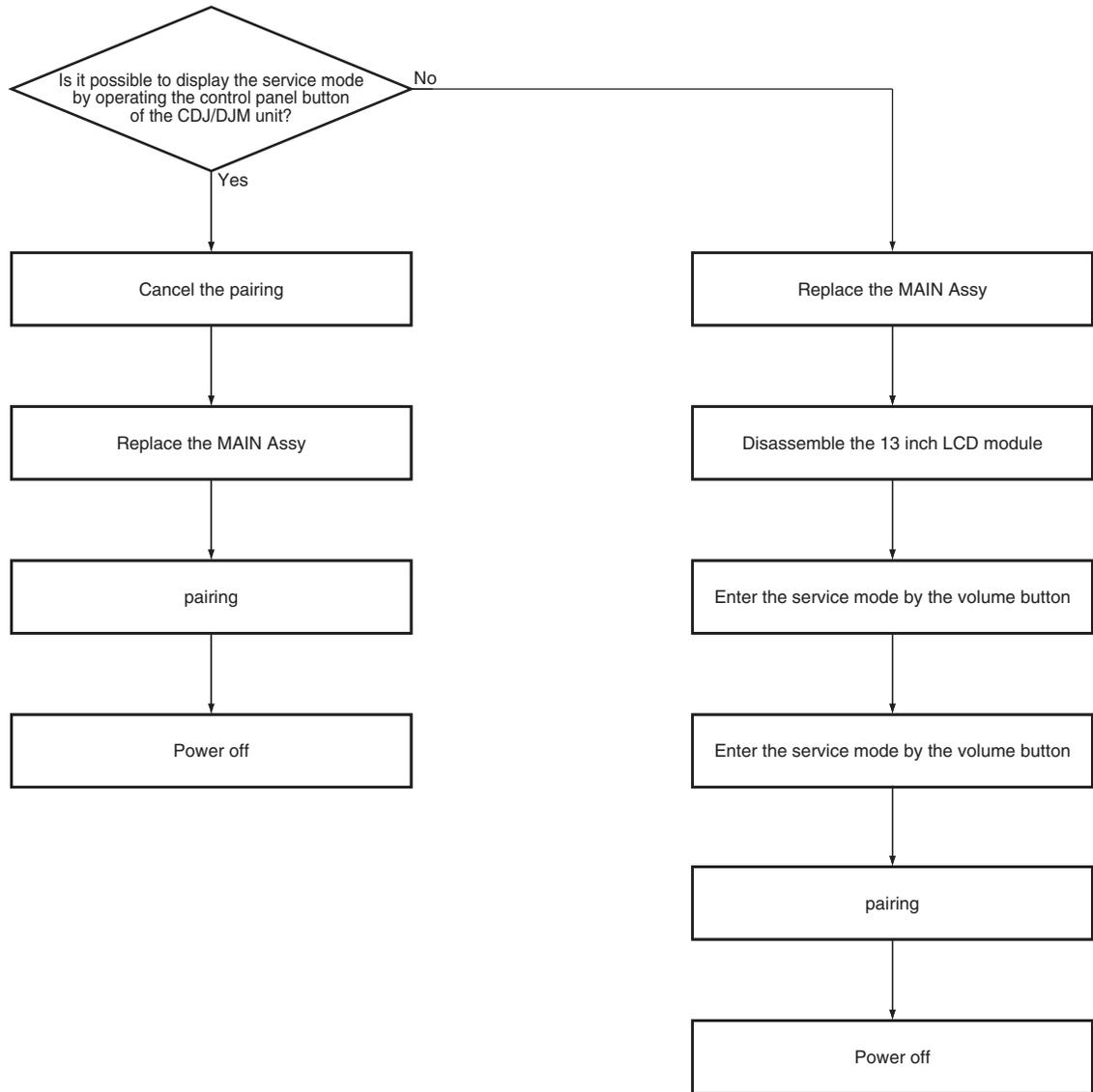
■ When replacing the 13 inch LCD module

When replacing the 13 inch LCD module, it is necessary to make pairing setting between the replaced 13 inch LCD module and this CDJ/DJM unit.

Start up the CDJ/DJM unit without DJ Link connection to othe equipment.
When the power is started up without pairing between the 13 inch LCD module and the unit, the service mode is displayed on the 13 inch LCD module automatically.

When the CDJ/DJM unit applied is detected, the unit is displayed on right side of the LCD screen, and make paring setting by touching the "Save" button on the screen.

B

C

When the pairing setting is made, the CDJ/DJM unit is displayed in the Device Info section on the LCD screen.
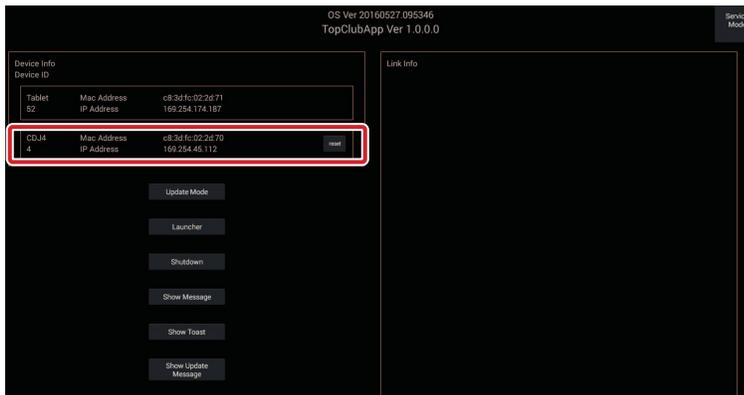
D

When the pairing setting is completed, turn OFF the power of the unit.

■ When replacing the MAIN Assy

When replacing the MAIN Assy, it is necessary to cancel the pairing with the old MAIN Assy as the MAC ADDRESS of the unit set pairing is renewed.

E

First, before replacing the MAIN Assy, enter the service mode by operating the button of the CDJ/DJM unit side.

CDJ	TEMPO + MEMORY + POWER ON
	TEMPO + CALL < + POWER ON
DJM	LINK CUE + CFX SPACE + CH1 CUE + POWER ON

F

A

Cancel the pairing by touching "Reset" button displayed on the side of the CDJ/DJM unit set pairing on the LCD screen.

B
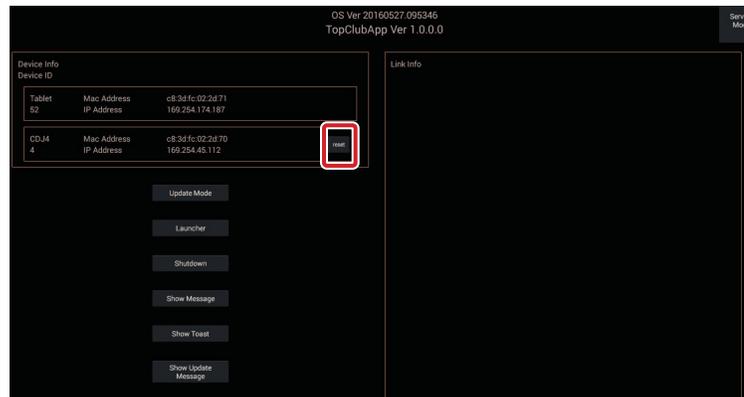
When the pairing is canceled, the CDJ/DJM unit is disappeared from the Device Info section of the screen, and displayed at right side of the screen.

C
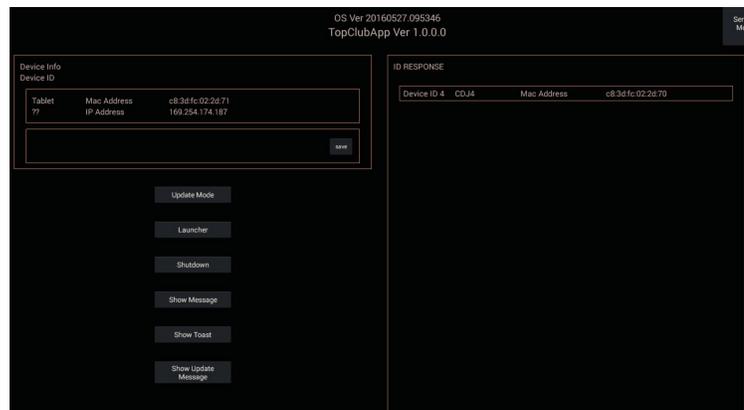
After canceling the pairing, replace the MAIN Assy, and then make a new pairing in the same way as replacing the 13 inch LCD module.

D

■ When it is unable to enter the service mode by the old MAIN Assy mounted/ When replacing the MAIN Assy without clearing the pairing

When there is some trouble in the communication between 13 inch LCD module and the CDJ/DJM unit, it is unable to enter the service mode by operating the control panel button of the unit. And it is the same when replacing the MAIN Assy without canceling the pairing.

In that case it is able to enter the service mode by pressing the "Volume" button (either " +" or "-" button is OK) of the 13 inch LCD module for one second. For pressing the "Volume" button of the 13 inch LCD module, it necessary to disassemble the LCD module.

When relacing the new MAIN Assy in the case that the pairing is continued to be set with the old MAIN Assy, the condition becomes as the following state.
The old MAIN Assy information is displayed on the "Device Info" section, and the CDJ/DJM unit of the new MAIN Assy is displayed on the right side of the LCD screen.
As the old pairing information is deleted by touching "Reset" button of the LCD, make pairing with the new MAIN Assy by touching the "Save" button after that.
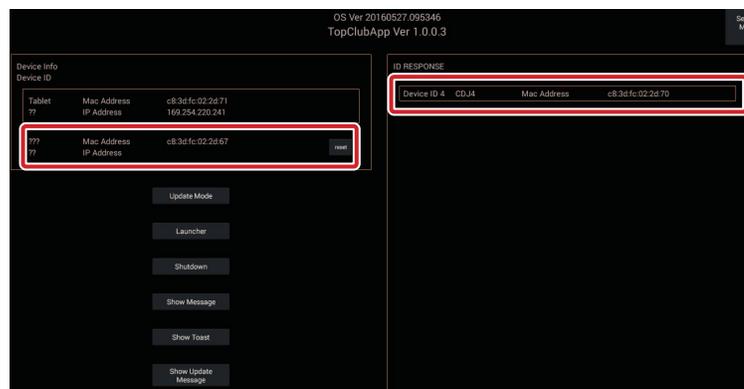
E

F

When the pairing setting is completed, turn OFF the power of the unit.

DJM-TOUR1

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8.5 USER SETABLE ITEMS

Category	Item	Description	Choices	initial value (The factory default settings)	Part No.	Part Name	Wiring No.	Assy	Content to be Stored
DJ SETUP	TOUCH DISPLAY LOCK	Touch operation control of the tablet	ON, **OFF**	OFF	DEA1053	LCD FULL MODULE SERVICE ASSY	--------------	MAIN Assy	
	LANGUAGE	language setting of tablet	English, French, German, Italian, Dutch, Spanish, Russian, Korean, Chinese (simplified), Chinese (Traditional), Japanese, Portuguese, Swedish, Czech, Hungarian, Danish, Greek, Turkish	By destination Destination / Initial value North American / English Europe / English General China / English Chinese (Simplified) Japan / Japanese	DEA1053	LCD FULL MODULE SERVICE ASSY	--------------	LCD FULL MODULE SERVICE ASSY	
	LCD BRIGHTNESS	LCD display brightness	1, 2, **3**, 4, 5	3	DEA1053	LCD FULL MODULE SERVICE ASSY	--------------	LCD FULL MODULE SERVICE ASSY	
	OLED BRIGHTNESS	OLCD display brightness	1, 2, **3**	3					
	MIC LOW CUT	MIC LOW CUT function	**ON**, OFF	ON					
	TALK OVER MODE	Mode of talk over function	**ADVANCED**, NORMAL	ADVANCED					
	TALK OVER LEVEL	Sound attenuation level of talk over function	-6dB, -12dB, **-18dB**, -24dB	-18dB					
	MIDI CH	MIDI channel	**1**, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16	1					
	MIDI BUTTON TYPE	MIDI output mode	**TOGGLE**, TRIGGER	TOGGLE					

	Major Category	**Description**	**Choices**	--------------					
	Minor Category	--------------	--------------	--------------					
ENGINEER SETUP	LOCK	Prohibition control of the setting change	**ON**, OFF	ON	DYW**** (NSP) *1	FLASH ROM	IC8	MAIN Assy	UTILITY setting
	MASTER OUT	Related to Master output	--------------	--------------					
	PEAK LIMITER	Peak limiter function	**ON**, OFF	ON					
	ATT.	Sound attenuation level	**0dB**, -3dB, -6dB, -9dB, -12dB	0dB					
	MONO/STEREO	MONO / STEREO switch	**STEREO**, MONO	STEREO					
	DIGITAL MASTER OUT (AES/EBU)	Related to Digital output	--------------	--------------					
	LEVEL	Audio output level	-5dB, -10dB, -15dB, **-19dB**	-19dB					
	SAMPLING RATE	Sampling frequency	INT 44.1 kHz, INT 48 kHz, INT 88.2 kHz, **INT 96 kHz**, WORD CLOCK	INT 96 kHz					
	PEAK LIMITER	Peak limiter function	**ON**, OFF	ON					
	MONO/STEREO	MONO / STEREO switch	**STEREO**, MONO	STEREO					
		Related to BOOTH output	--------------	--------------					
	ATT.	Sound attenuation level	**0dB**, -3dB, -6dB, -9dB, -12dB	0dB					
	MONO/STEREO	MONO / STEREO switch	**STEREO**, MONO	STEREO					
	MIC OUT TO MASTER	Related to MIC mastrer output	--------------	--------------					
	PEAK LIMITER THRESHOLD LEVEL	Peak limiter Operating threshold level	**OFF**, 15dB, 12dB, 9dB, 6dB, 3dB, 0dB	OFF					
	MIC OUT TO BOOTH	Related to MIC mastrer output	--------------	--------------					
	LEVEL	Audio output level	**0dB**, -3dB, -6dB, -9dB, -12dB, -15dB, -18dB, OFF	0dB					
	PEAK LIMITER THRESHOLD LEVEL	Peak limiter Operating threshold level	**OFF**, 15dB, 12dB, 9dB, 6dB, 3dB, 0dB	OFF					
	PC UTILITY	Boot up the utility program of PC setting automatically.	ON, **OFF**	OFF					
	AUTO STANDBY	Auto standby function	**ON**, OFF	ON					

*1 **Note on DYW****
The "****" part of the part number changes each time the firmware is updated.

■ Sheet for confirmation of the user setting

DJ SETUP

TOUCH DISPLAY LOCK

OFF	ON

LANGUAGE

English	French	German	Italian
Dutch	Spanish	Russian	Korean
Chinese (simplified)	Chinese (Traditional)	Japanese	Portuguese
Swedish	Czech	Hungarian	Danish
Greek	Turkish

LCD BRIGHTNESS

1	2	3	4	5

OLED BRIGHTNESS

1	2	3

MIC LOW CUT

OFF	ON

TALK OVER MODE

ADVANCED	NORMAL

TALK OVER LEVEL

-6dB	-12dB	-18dB	-24dB

MIDI CH

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

MIDI BUTTON TYPE

TOGGLE	TRIGGER

ENGINEER SETUP

LOCK

It is not necessary to refrain from contents.

MASTER OUT

PEAK LIMITER

OFF	ON

ATT.

0dB	-3dB	-6dB	-9dB	-12dB

MONO/STEREO

STEREO	MONO

DIGITAL MASTER OUT (AES/EBU)

LEVEL

-5dB	-10dB	-15dB	-19dB

SAMPLING RATE

INT 44.1kHz	INT 48kHz	INT 88.2kHz
INT 96kHz	WORD CLOCK	

PEAK LIMITER

OFF	ON

MONO/STEREO

STEREO	MONO

BOOTH OUT

ATT.

0dB	-3dB	-6dB	-9dB	-12dB

MONO/STEREO

STEREO	MONO

MIC OUT TO MASTER

PEAK LIMITER THRESHOLD LEVEL

OFF	15dB	12dB	9dB	6dB	3dB	0dB

MIC OUT TO BOOTH

LEVEL

0dB	-3dB	-6dB	-9dB	-12dB	-15dB	-18dB	OFF

PEAK LIMITER THRESHOLD LEVEL

OFF	15dB	12dB	9dB	6dB	3dB	0dB

PC UTILITY

OFF	ON

AUTO STANDBY

OFF	ON

8.6 HOW TO CHECK THE DVS

■ How to confirm the DVS connection

Necessary items for starting DVS in the rekordbox
*Refer to https://rekordbox.com/ja/support/faq.php?c=952#faq-id-437
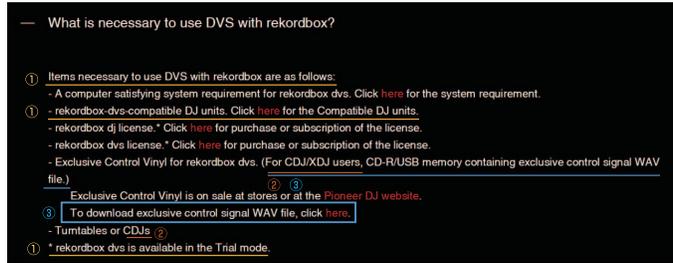
① PC that the rekordbox dj and rekordbox dvs are downloaded.(Even Trial Mode is OK.)
   *Input the sound source for confirming operation to rekordbox dj.
② CDJ or XDJ models (Each model is possible)
③ Analog cable for connecting CDJ or XDJ models to this unit
- USB cable for connecting the PC to this unit
- USB memory that the following dedicated control signals of the rekordbox are saved
   https://rekordbox.com/dvs/rekordbox_Control_Signal.zip

Confirming procedure
① Connect the USB-A terminal of this unit and the PC with USB cable.
② Connect the output terminal of CDJ or XDJ model to the LINE input terminal of this unit.
③ Set the CH1 input selector switch to USB-A.

Connect the rekordbox dvs referring the following.
https://rekordbox.com/_app/files/img/rekordbox_dvs_Setup_Guide_en_b.pdf

Confirming items
① Confirm that the round circle of the control signal setting appears.
② Confirm that REL is lit.
③ Confirm that the USB sound input indicator of the CH which Mixer signal is input is lit.
④ Confirm that the sound is output from the MASTER output of the Mixer.

Confirm the DVS path by repeating the confirmation item ① to ④ as above.

Connection details
Connect referring the following.
https://rekordbox.com/_app/files/img/rekordbox_dvs_Setup_Guide_ja.pdf

Refer to the following about the details of the setting items in the above set-up.

Setting items list
Set-up information items

[1]	Enable the DVS function.
[2]	Connect CDJs/ DECK1 to MIXER CH1.
[3]	No setting as it is not connected by the turntable.

Perform the setting, and play back the dedicated control signal of rekordbox dvs by the CDJ model.

4   rekordbox dvs setup

Open [Preferences] > [DVS] in rekordbox (PERFORMANCE mode) .

[1] Enable DVS Function

[2] Routing setting

[3] Control signal setting

① Confirm that the round circle of item 4 appears as above.

4.1   Enable DVS function

☑ Enable DVS Function

Tick the checkbox for [Enable DVS Function], and select DVS mode for DECK.

② Confirm that the mode name of REL is lit by setting to the REL mode.

Assign the music to CH1 of the rekordbox.

Confirm that the control signal is played in CDJ and XDJ models.

③ Confirm that the signal is transferred the CH1 levelmeter of this unit.

④ Confirm the sound of the MASTER output of this unit.

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

LSYXJ only

Joint
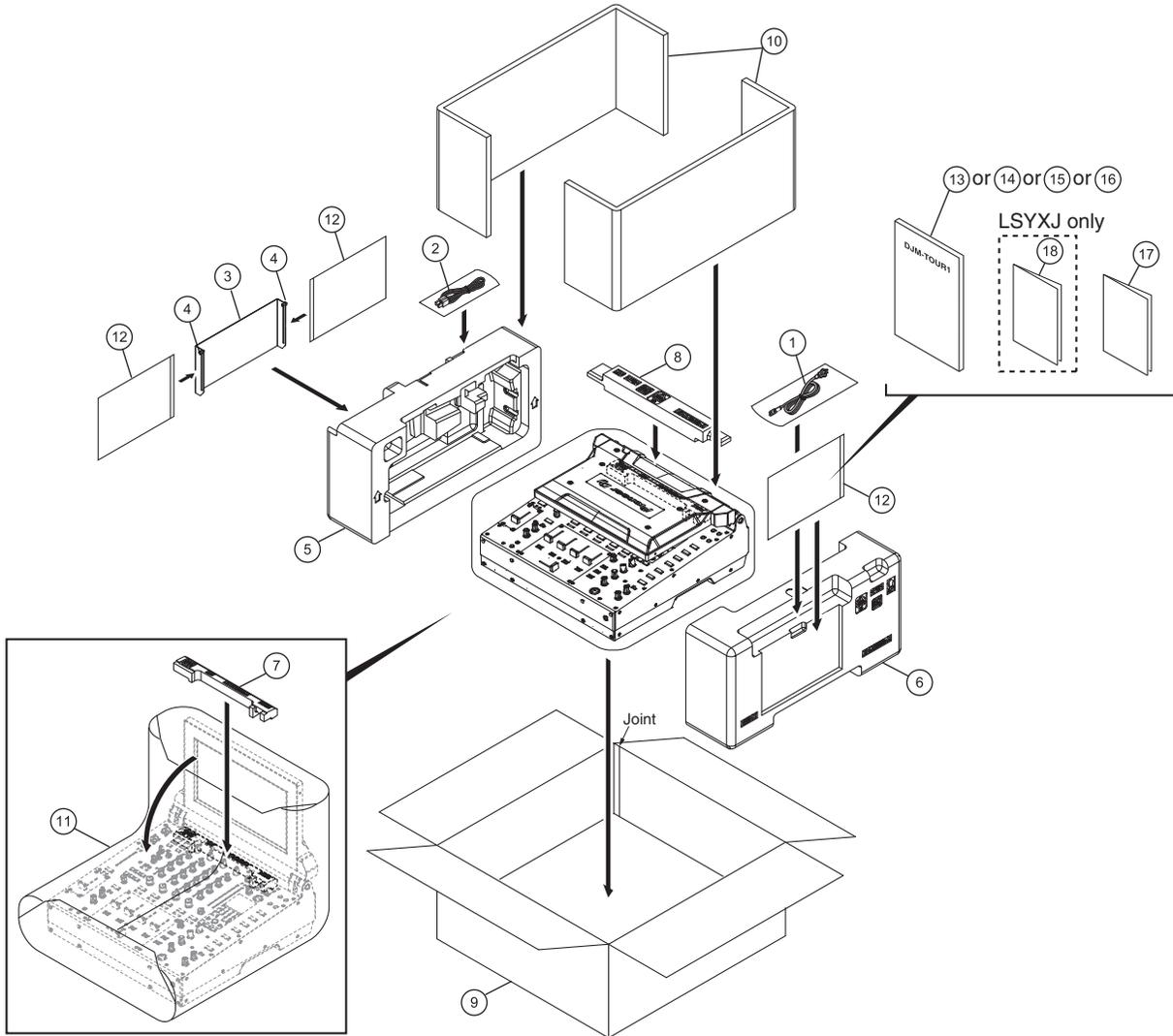
(1) PACKING SECTION PARTS LIST

Mark	No.	Description	Part No.
⚠	1	Power Cord	See Contrast table (2)
	2	USB Cable	DDE1128
	3	Display shade	DEC3649
	4	Screw	DBA1448
	5	Packing Pad	DHA1937
	6	Packing Pad	DHA1938
	7	Packing Pad	DHA1939
	8	Packing Pad	DHA1940
	9	Packing Case	See Contrast table (2)
	10	Packing Board	DHC1091

Mark	No.	Description	Part No.
	11	Mirror Mat	DHL1200
NSP	12	Polyethylene Bag	AHG7117
	13	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	14	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	15	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	16	Operating Instructions (Quick Start Guide)	See Contrast table (2)
NSP	17	Leaflet	See Contrast table (2)
NSP	18	Warranty	See Contrast table (2)

(2) CONTRAST TABLE

DJM-TOUR1/LSYXJ, UXJCB and XJCN are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-TOUR1 /LSYXJ	DJM-TOUR1 /UXJCB	DJM-TOUR1 /XJCN
⚠	1	Power Cord	ADG1244	DDG1108	DDG1114
	9	Packing Case	DHG3456	DHG3474	DHG3521
	13	Operating Instructions (Quick Start Guide)(En)	Not used	DRH1349	Not used
	14	Operating Instructions (Quick Start Guide)(En, Fr, De, It)	DRH1350	Not used	Not used
	15	Operating Instructions (Quick Start Guide)(Nl, Es, Pt, Ru)	DRH1351	Not used	Not used
	16	Operating Instructions (Quick Start Guide)(Zhcn)	Not used	Not used	DRH1352
NSP	17	Leaflet	DRH1275	DRH1275	DRH1274
NSP	18	Warranty	DRY1270	Not used	Not used

DJM-TOUR1

9.2　EXTERIOR and TITABLE DISPLAY SECIONS

A

• Bottom view

11

32　　31　　18

57　　57

28

32

Refer to
"9.5 CONTROL PANEL SECTION (1/2)".

B

58　　19　　58

50

14

52　　52

34　　51　　58　　58　　20

15　　15

UXJCB only　43

22　　19

56　　56

58　　51　　58

B　A

53　　21

C

1　　58

PNLA
CN7002

4　　49　　50　　58

PNLA
CN7001　F

49　　AI

33

16

PNLB
CN7503　E

40　　3

D

49

D

40

43

UXJCB only

25

51

38　　37

8

39

8

56

6　　5　　A

35

7　　B

36

C

41

D

23　　46

51

13

2

12

27　　40

47

55

D

29　　40

LANB
CN9001

29

13　　46

10

12

9　　10

26

45　　54

47

48

9

24

54　　45

42

30

55
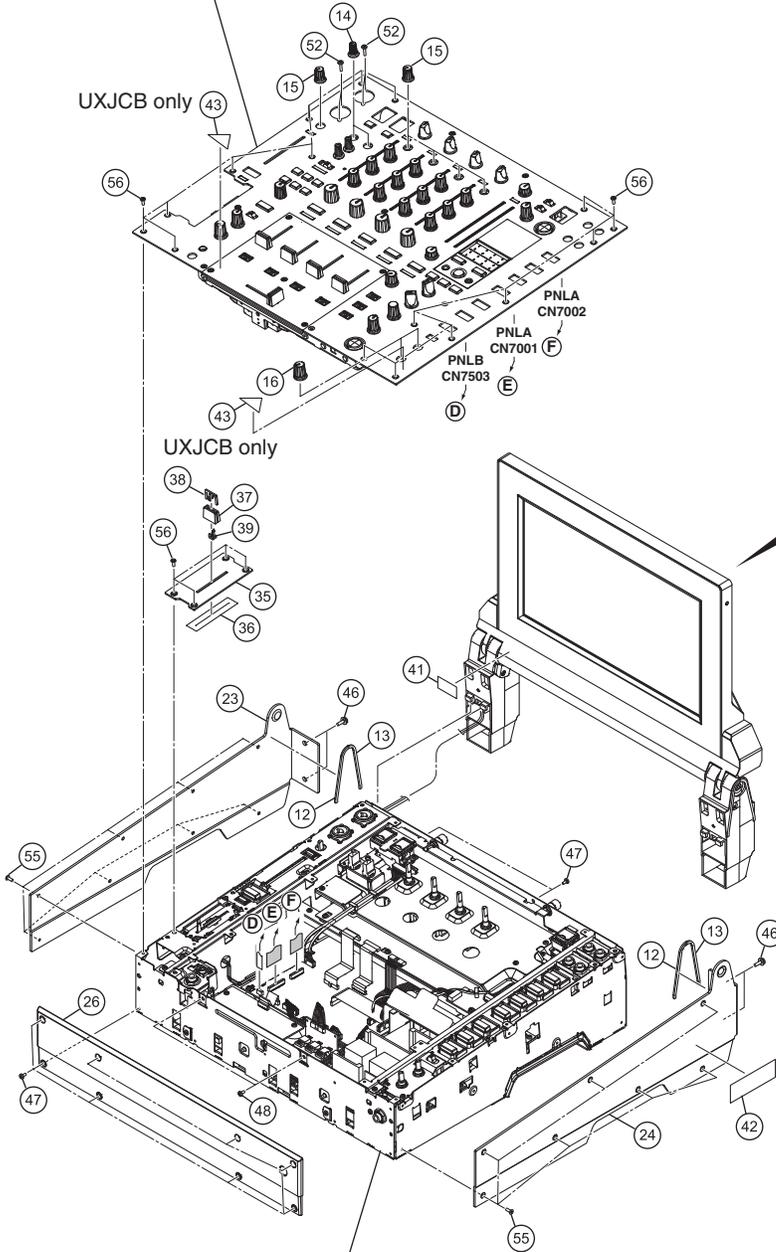
Refer to
"9.3 CHASSIS SECTION (1/2)".

17

F

NON-CONTACT
SIDE

CONTACT SIDE

非 接触面

接触面
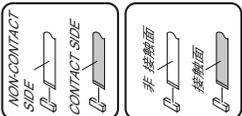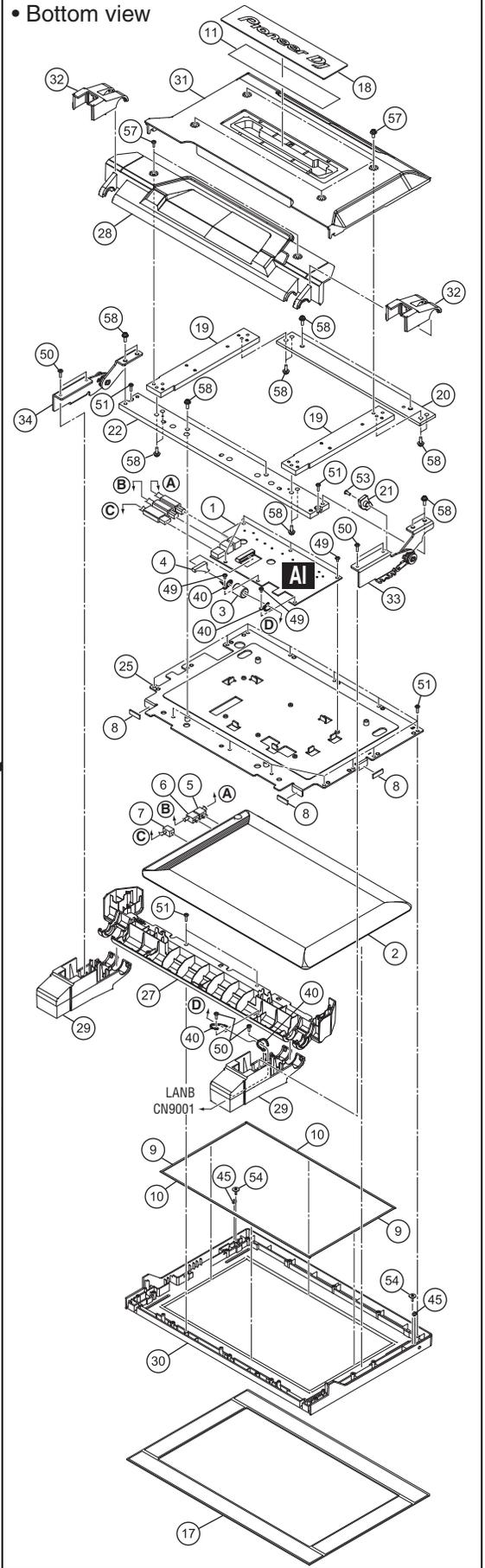
(1) EXTERIOR and TILTABLE DISPLAY SECTIONS PARTS LIST

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	1	ILMB Assy	DWX3858		31	Case	DNK6585
	2	LCD FULL MODULE SERVICE ASSY	DEA1053		32	Cover	DNK6587
	3	Ferrite Core	ATX7007		33	Hinge	DXB2172
	4	Shielded Conn-Cable	DDA1065		34	Hinge	DXB2173
	5	USB Conn-Cable	DDE1147		35	Panel	DNB1245
	6	USB Conn-Cable	DDE1148		36	Fader Packing	DEC2903
	7	USB Conn-Cable	DDE1149		37	Slider Knob 1	DAC2684
	8	Packing/LCD	DEC3565		38	Slider Knob 2	DAC2685
	9	Packing	DEC3645		39	Slider Knob Stopper	DNK5888
	10	Packing	DEC3646		40	Cord Clamper (Steel)	RNH-184
	11	Light-D Sheet	DEC3647	NSP	41	Label	DRW2678
	12	Cushion	DEC3648	NSP	42	Name Label	See Contrast table (2)
	13	Cushion	DEC3653	NSP	43	Label	See Contrast table (2)
	14	Knob	DAA1354		44	• • • • •	
	15	Knob	DAA1355		45	Nut	NB30FTB
	16	Knob	DAA1368		46	Screw	AMZ40P080FTB
	17	Panel	DAH3078		47	Screw	BBZ30P060FTB
	18	Panel	DAH3079		48	Screw	BBZ30P060FTC
	19	Frame	DLA2246		49	Screw	BMZ30P050FTC
	20	Frame	DLA2247		50	Screw	BPZ30P080FTB
	21	Button	DLA2248		51	Screw	BPZ30P100FTC
	22	Frame	DLA2249		52	Screw	BPZ30P120FTB
	23	Panel	DNF1976		53	Screw	CMZ30P060FTB
	24	Panel	DNF1977		54	Float Fastener	DBA1286
	25	Chassis	DNH3253		55	Screw (FE)	DBA1290
	26	Panel	DNK6577		56	Screw	DBA1446
	27	Cover	DNK6578		57	Screw	DBA1450
	28	Cover	DNK6579		58	Screw	PMB40P120FTB
	29	Cover	DNK6580				
	30	Bezel	DNK6582				

(2) CONTRAST TABLE

DJM-TOUR1/LSYXJ, UXJCB and XJCN are constructed the same except for the following:

Mark	No.	Symbol and Description	DJM-TOUR1 /LSYXJ	DJM-TOUR1 /UXJCB	DJM-TOUR1 /XJCN
NSP	42	Name Label	DRW2681	DRW2682	DRW2713
NSP	43	Label	Not used	DRW1975	Not used

Nut, Washer:
Accessory of VR
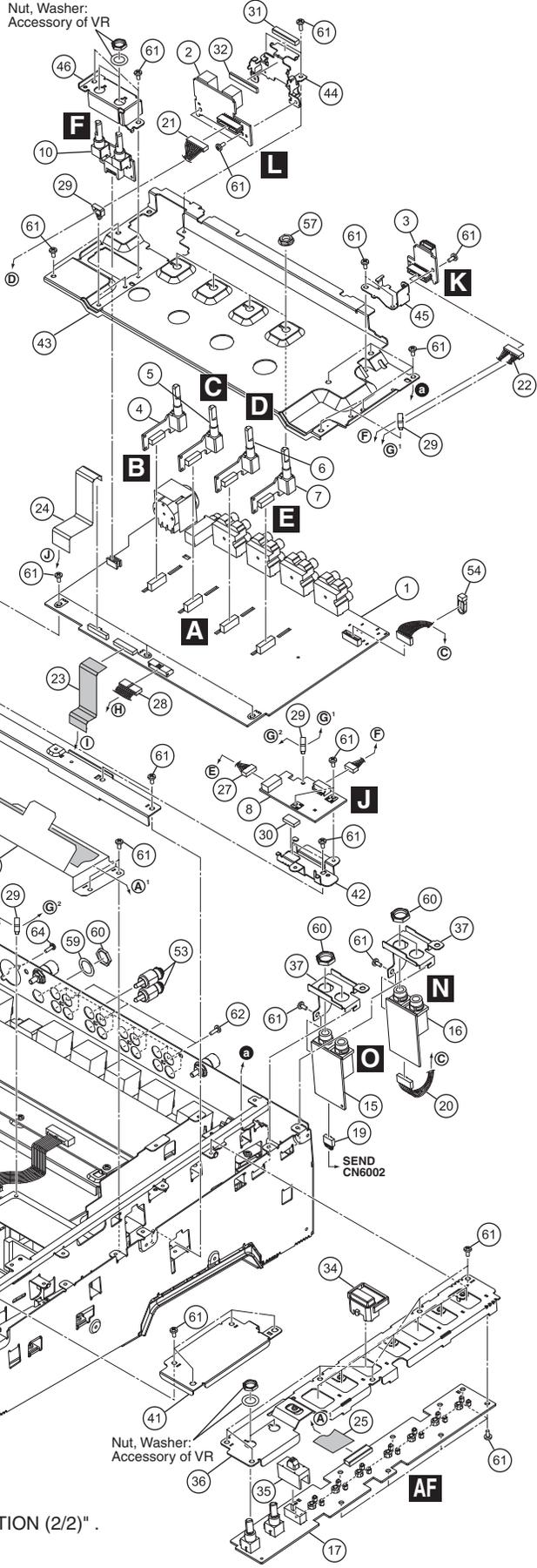
Refer to
"9.6 CONTROL PANEL SECTION (2/2)" .

Refer to
"9.4 CHASSIS SECTION (2/2)" .

SEND
CN6002

Nut, Washer:
Accessory of VR

NON-CONTACT SIDE
CONTACT SIDE
非 接触側面
接触側面
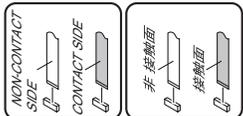
CHASSIS SECTION (1/2) PARTS LIST

Mark No.	Description	Part No.
1	AINB Assy	DWX3845
2	USBB Assy	DWX3830
3	USBC Assy	DWX3831
4	TRM1 Assy	DWX3715
5	TRM2 Assy	DWX3716
6	TRM3 Assy	DWX3717
7	TRM4 Assy	DWX3718
8	USBP Assy	DWX3832
9	HPJM Assy	DWX3739
10	MTRM Assy	DWX3729
11	HPJK Assy	DWX3738
12	AUXL Assy	DWX3833
13	AUXR Assy	DWX3834
14	PNLL Assy	DWX3836
15	REJK Assy	DWX3837
16	SEJK Assy	DWX3838
17	PNLR Assy	DWX3839
18	TRMA Assy	DWX3840
19	Shielded Conn-Cable	DDA1067
20	Shielded Conn-Cable	DDA1068
21	Shielded Conn-Cable	DDA1070
22	Shielded Conn-Cable	DDA1071
23	40P FFC	DDD1550
24	FFC	DDD1715
25	FFC	DDD1728
26	FFC	DDD1785
27	Connector Assy	PF06PP-S12
28	Connector Assy	PF10PP-D10
29	Locking Mini Clamp	DEC2439
30	Sheet	DEC3621
31	EMC Gasket	DEC3637
32	EMC Gasket	DEC3638
33	Insulating Sheet	DEC3699
34	Button/CUE	DAC2882
35	Cap	DAC3136
36	Stay	DND1294
37	Stay	DND1295
38	Frame	DND1298
39	Stay	DND1299
40	Stay	DND1300
41	Shield Plate	DND1303
42	Stay	DNF1951
43	Stay	DNF1953
44	Stay	DNF1954
45	Stay	DNF1955

Mark No.	Description	Part No.
46	Stay	DNF1958
47	Stay	DNF1966
48	Stay	DNF1967
49	Stay	DNF1968
50	Stay	DNF1978
51	Holder	DNK6511
52	Level Meter Assy	DXB2028
53	RCA Plug	DKM1025
54	Cable Tie	ZCA-SKB90BK
55	•••••	
56	•••••	
57	Flange Nut M7	DBN1011
58	Nut M12	DBN1018
59	Washer	DEC2920
60	Nut	NKX2FTC
61	Screw	BBZ30P060FTC
62	Screw	BPZ30P080FTB
63	Screw	BSZ20P040FTB
64	Screw	PPZ30P080FTB
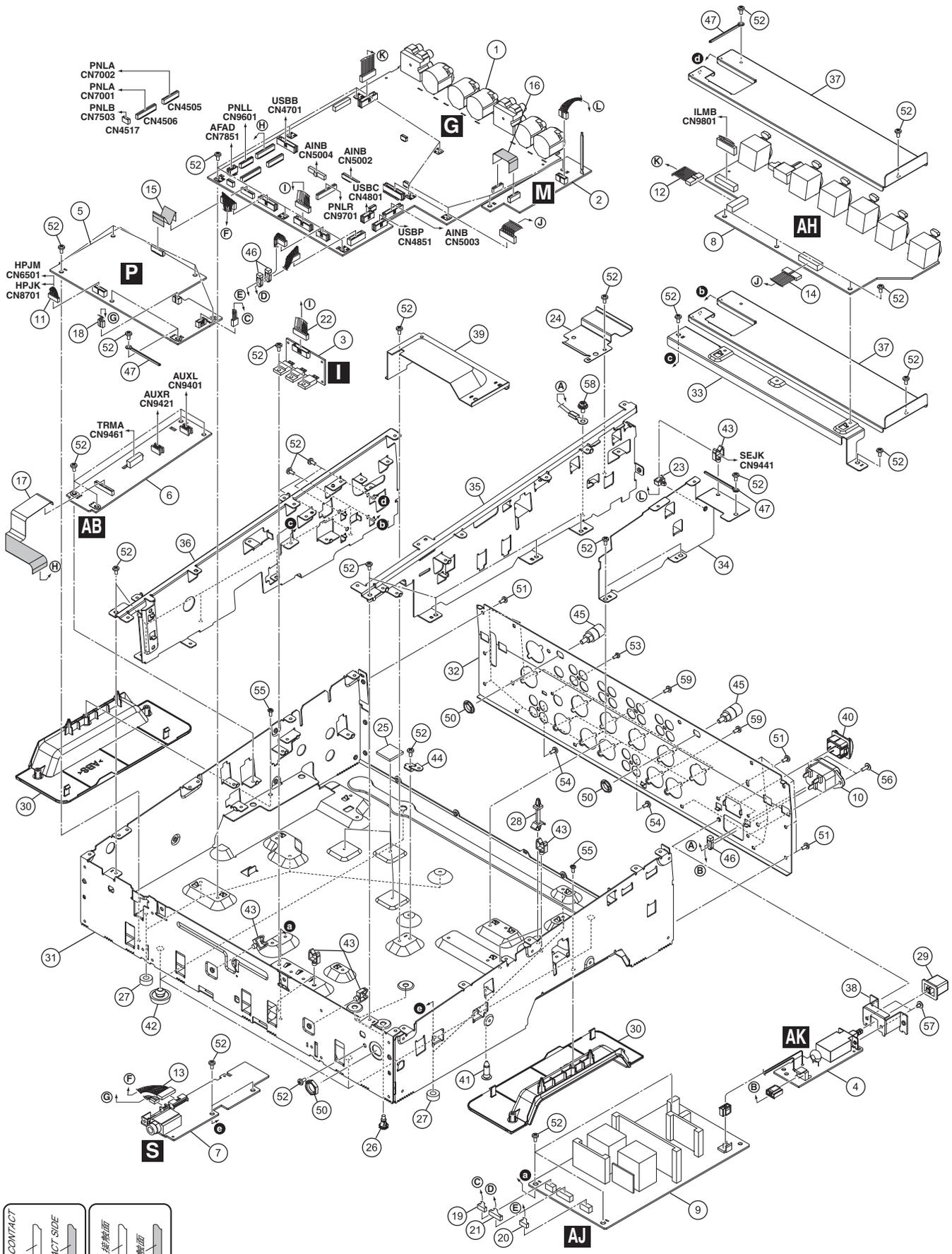
CHASSIS SECTION (2/2) PARTS LIST

Mark	No.	Description	Part No.
	1	MAIN Assy	DWX3829
	2	SEND Assy	DWX3843
	3	REGB Assy	DWX3721
	4	ACSW Assy	DWX3722
	5	HPPW Assy	DWX3847
	6	AUXI Assy	DWX3835
	7	HPP2 Assy	DWX3841
	8	LANB Assy	DWX3842
⚠	9	SW POWER SUPPLY	DWR1555
⚠	10	AC Inlet	DKP3984
	11	Shielded Conn-Cable	DDA1061
	12	Shielded Conn-Cable	DDA1066
	13	Shielded Conn-Cable	DDA1069
	14	Shielded Conn-Cable	DDA1072
	15	FFC	DDD1714
	16	FFC	DDD1716
	17	FFC/FPC Connector	DDD1736
	18	Crimp Connector	PF03PP-S30
	19	Connector Assy	PF04PP-S12
	20	Crimp Connector	PF05PP-S25
	21	Crimp Connector	PF08PP-S20
	22	Crimp Connector	PF09PP-S07
	23	Locking Mini Clamp	DEC2439
	24	Sheet	DEC3617
	25	Sheet	DEC3618
	26	Spacer	DEC3636
NSP	27	Spacer	AEB7092
NSP	28	PCB Spacer	AEC1446
	29	Power Knob	DAC2306
	30	Handle	DMR1021
	31	Chassis	DNA1459
	32	Rear Panel	DNC2121
	33	Stay	DND1292
	34	Stay	DND1293
	35	Frame	DND1296
	36	Frame	DND1297
	37	Shield Case	DND1301
	38	Bracket PSW	DNF1759
	39	Case	DNF1952
	40	Power Knob Guard	DNK4534
	41	PCB Holder	PNW2029
	42	Foot (Rubber)	REC-434
	43	Holder	VEC1355
NSP	44	PCB Stay (FE)	VNE2489
	45	Earth Terminal	DKE1019

Mark	No.	Description	Part No.
	46	Cable Tie	ZCA-SKB90BK
	47	Cord Clamper (Steel)	RNH-184
	48	•••••	
	49	•••••	
	50	Flange Nut M9	DBN1008
	51	Screw	BBZ30P060FTB
	52	Screw	BBZ30P060FTC
	53	Screw	BPZ26P080FTB
	54	Screw	BPZ30P080FTB
	55	Screw	BPZ30P080FTC
	56	Screw	IBZ30P080FTB
	57	Screw	IMZ30P040FTC
	58	Screw	PMH40P080FTC
	59	Screw	PPZ30P080FTB

A
B
C
D
E
F

Refer to
"9.6 CONTROL PANEL SECTION (2/2)".
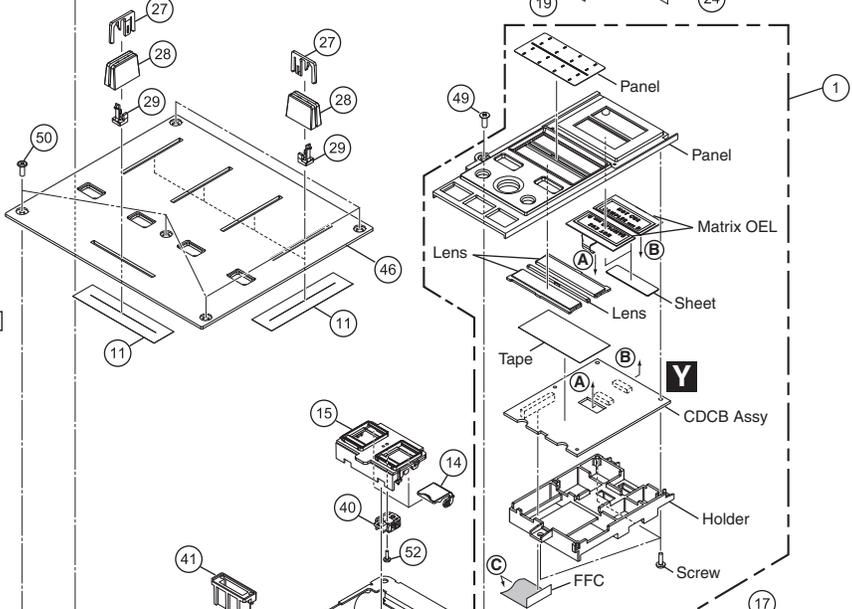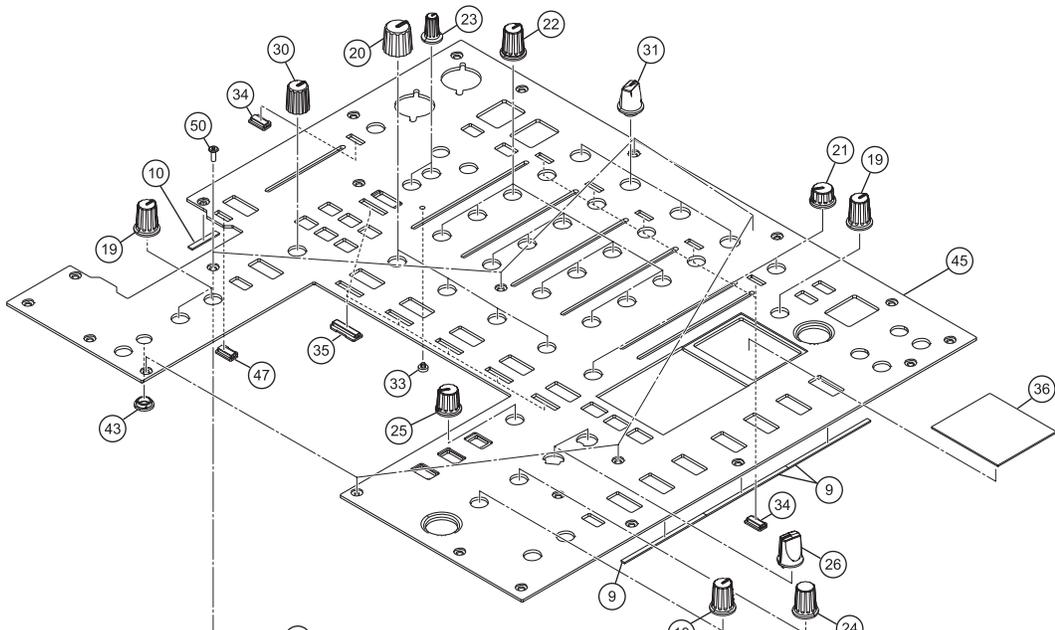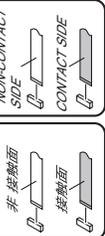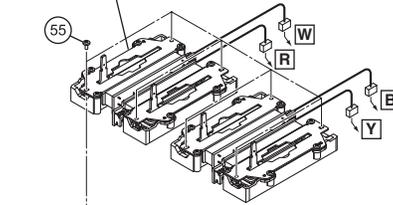
Panel
Panel
Matrix OEL
Lens
Lens
Sheet
Tape
CDCB Assy
Holder
FFC
Screw

Nut, Washer:
Accessory of VR

Nut, Washer:
Accessory of VR

Nut, Washer:
Accessory of VR

NON-CONTACT SIDE   CONTACT SIDE

非接触面   接触面

Refer to
"9.6 CONTROL PANEL SECTION (2/2)".

CONTROL PANEL SECTION (1/2) PARTS LIST

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	1	X-Pad Service Assy	DEA1049		46	Panel	DAH3125
	2	1..CROSS FADER Assy	DXA2257		47	Lens	DAK1004
	3	2..CRFD Assy	DWX3258		48	•••••	
	4	•••••			49	Screw (FE)	DBA1290
	5	Connector Assy	PF03PP-B07		50	Screw	DBA1446
	6	•••••			51	Screw	BBZ30P060FTC
	7	Stay/CRF	DNF1927		52	Screw	BPZ20P060FTC
	8	SW Packing (EF)	DEC2929		53	•••••	
	9	Packing/L	DEC3416		54	Screw	BPZ30P080FTB
	10	Packing/S	DEC3417		55	Screw	BSZ20P040FTB
	11	Fader Packing	DEC2903				
	12	•••••					
	13	•••••					
	14	Lid	DNK6550				
	15	Panel	DNK6539				
	16	Lid	DNK6652				
	17	Panel	DNK6651				
	18	Slide SW Cap (W)	DAC2401				
	19	Knob	DAA1368				
	20	Knob/FRE	DAA1309				
	21	Rotary Knob Low (BN)	DAA1265				
	22	Knob	DAA1353				
	23	Knob/RSW	DAA1307				
	24	Rotary SW Knob (C)	DAA1180				
	25	Knob	DAA1370				
	26	Select Knob	DAA1205				
	27	Slider Knob 2	DAC2685				
	28	Slider Knob 1	DAC2684				
	29	Slider Knob Stopper	DNK5888				
	30	Knob (RES)	DAA1250				
	31	Knob	DAA1345				
	32	Button/CUE	DAC2882				
	33	Lens	DNK4532				
	34	Lens	DNK6516				
	35	Lens	DNK6517				
	36	Plate	DAK1003				
	37	•••••					
	38	•••••					
	39	•••••					
	40	Holder	DNK6549				
	41	Holder	DNK6512				
	42	•••••					
	43	Holder	DNK6552				
	44	•••••					
	45	Control Panel	DNB1244				

A • Bottom view
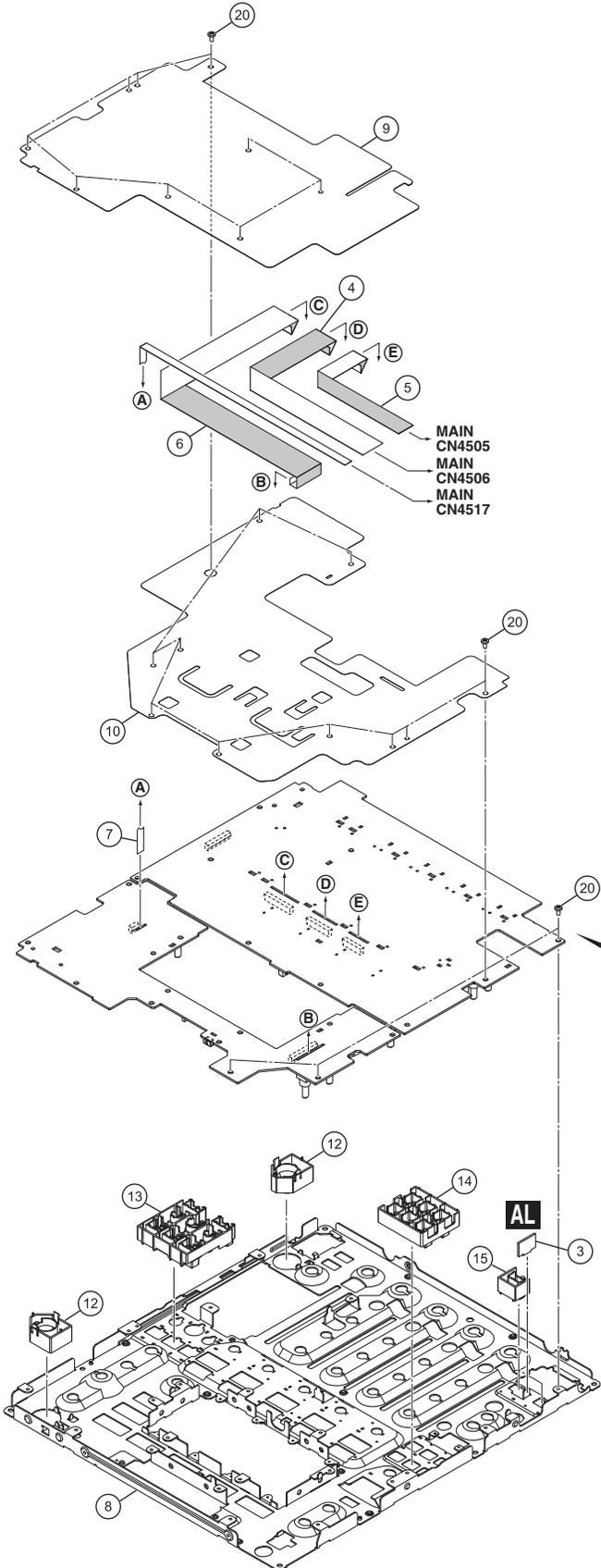
■ Channel Fader Section

∗: These parts may substitute it each other.
∗: 相互で代用可能

U ∗ **W**   **H** **V** ∗ **K**
㉒ or ㉔   ㉑ or ㉓ or ㉕

∗
㉖ or ㉙

PNLA
CN7006
or
CN7008

∗
㉗ or ㉘ or ㉚

PNLA
CN7007
or
CN7009

MAIN
CN4510
(for AFAD)

Lubricating oil
(GYA1001)

Top & Bottom   Top & Bottom

Top & Bottom   Top & Bottom

Note:
Greasing must be performed at a total of 8 points, 2 points each for the upper and
bottom places of each shaft. (0.4 to 1 mg per point ×8 points)
After applying grease, move the slider base back and forth from one end to the other for
approximately 10 to 20 strokes, in order to fully spread the grease.

注意:
グリス塗布位置は各シャフト上下2箇所ずつ計8箇所です。
(1ポイント当たり 0.4～1 mg ×8ポイント)
グリス塗布後はスライダーベースを動かして (フルストローク)
摺動部にグリスを十分なじませてください。
(動かす回数の目安は10～20往復)

MAIN
CN4505

MAIN
CN4506

MAIN
CN4517

FAD
1 to 4

CRFD
CN4001

CDCB
CN4906

T

Z

AL

NON-CONTACT
SIDE

CONTACT SIDE

非 接触面

接触面
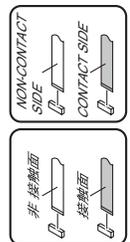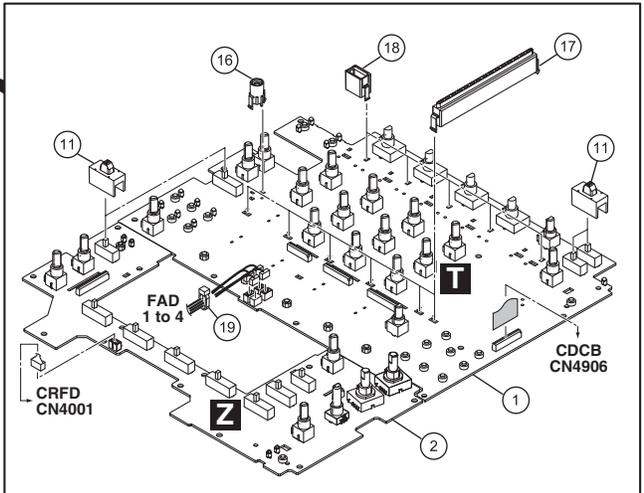
CONTROL PANEL SECTION (2/2) PARTS LIST

Mark	No.	Description	Part No.
	1	PNLA Assy	DWX3915
	2	PNLB Assy	DWX3720
	3	GRDM Assy	DWX3862
	4	FFC/FPC Connector	DDD1734
	5	FFC/FPC Connector	DDD1733
	6	FFC	DDD1720
	7	FFC/FPC Connector	DDD1735
	8	Stay	DND1308
	9	Sheet	DEC3616
	10	Sheet	DEC3620
	11	Cap	DAC3136
	12	Button	DAC3141
	13	Button	DAC3142
	14	Button	DAC3143
	15	Button	DAC3144
	16	Lens Holder	DNK4533
	17	Level Meter Assy	DXB1882
	18	Holder	DNK6511
	19	Cable Tie	ZCA-SKB90BK
	20	Screw	BBZ30P060FTC
	21	AFAD Assy	DWX3727
	22	FAD1 Assy	DWX3723
	23	FAD2 Assy	DWX3724
	24	FAD3 Assy	DWX3725
	25	FAD4 Assy	DWX3726
	26	Connector Assy	PF03PP-B10
	27	Crimp Connector	PF03PP6B10
	28	Connector Assy	PF03PP4B12
	29	Connector Assy	PF03PP2B12
	30	Connector Assy	PF03PP2Q17
	31	Lever Plate	DNH2954
	32	VR Stay	DNH2955
	33	Slider Base	DNK5851
	34	Shaft Holder	DNK5852
NSP	35	Guide Shaft VK1	DLA1978
	36	Screw	BPZ20P060FTC
	37	Screw	CPZ26P080FTC
	38	Screw	PMH20P040FTC

DJM-TOUR1