Pioneer DJ

Service Manual

DDJ-RR

ORDER NO.
RRV4648

DJ Controller

DDJ-RR

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

Model	Type	Power Requirement	Remarks
DDJ-RR	LSYXJ	AC 100 V to 240 V	
DDJ-RR	UXJCB	AC 100 V to 240 V	
DDJ-RR	XJCN	AC 100 V to 240 V	

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

Model	Order No.	Remarks
DDJ-RR	RRV4649	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM, PCB PARTS LIST

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PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
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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

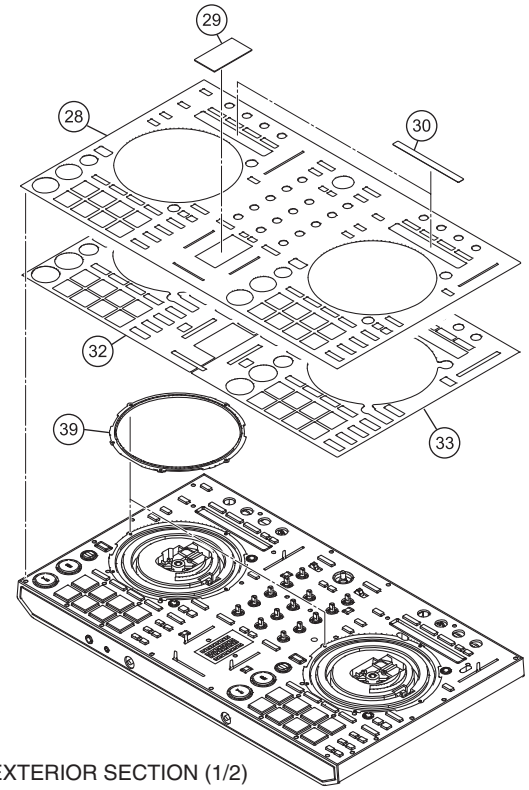
- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
  Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
  Do NOT use a soldering iron whose tip temperature cannot be controlled.

1.2 NOTES ON PARTS REPLACEMENT

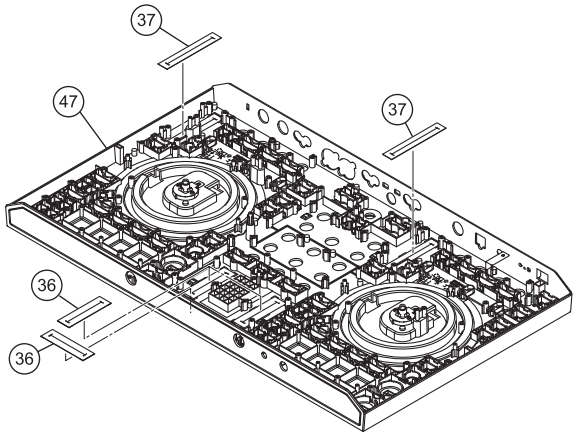
■ Detachment/Reattachment of the plate (Aluminum panel)

Plate (aluminum panel: DAH3091) is bonded to the double-sided tape in the Control Panel (DNK6603), it is difficult to replacement.
When replacing the plate (aluminum panel: DAH3091), please order the following service parts Ass'y.

Mark	No.	Part Name	Part No.	Remarks
		DDJ-RR Panel Service Assy	DEA1051	
		Component part		
NSP	28	Plate	DAH3091	
	29	Panel	DAH3103	Refer to “9.2 EXTERIOR SECTION (1/2)”
	30	Sheet	DEC3674	
NSP	32	DS Tape	DEH1085	
NSP	33	DS Tape	DEH1088	
NSP	39	Ring	DNK6619	
	36	Fader Packing	DEC3355	
	37	Packing/TMP	DEC3392	Refer to “9.3 EXTERIOR SECTION (2/2)”
NSP	47	Control Panel	DNK6603	



9.2 EXTERIOR SECTION (1/2)



9.3 EXTERIOR SECTION (2/2)

■ Parts that require simultaneous replacement

Two photointerrupters are provided for detection of Jog dial rotations.
When replacement of photointerrupters is required because of abnormalities in detected waveforms, etc., be sure to replace both photointerrupters at the same time.
Corresponding Part No.: RPI-579N1
Parts that require simultaneous replacement: PC2001 and PC2002 (PNL1 ASSY, PNL2 ASSY)
After replacement, be sure to perform the procedure described in "②-2 Judging the quality of mounting and connection of the photointerrupter" in "6. SERVICE MODE."" 6. SERVICE MODE ②-2: Photo interrupter check mode”

1.3 NOTES ON DIAGNOSIS

How to diagnose the MAIN Assy

It is difficult to diagnose the MAIN Assy of this unit as the stay side is layed on the front by removing the chassis.
When diagnosing the MAIN Assy, remove all cables connected, and remove the Assy with the stay as integrated units.
And then, perform the diagnosis by connecting the unit to the PC with USB cable directly.
As the PWSW Assy is removed with stay as integrated units, it is able to diagnose the unit in power supplied state by turning on the power.
(The power is supplied by the USB bus-power. Confirm the functional operation by connecting the AC adapter as needed.)
And when checking the playback of music, operate the control on the rekordbox of PC directly.

1.4 ABOUT DEMO MODE

This unit will automatically enter Demo mode if it is left unoperated for fixed time in Normal Operation mode, and a demonstration with LED illumination will start.
To cancel this mode, operate any control or button of this unit.
To disable Demo mode, change the setting in the settings of rekordbox. (For details, refer to the operating instructions.)

2. SPECIFICATIONS

AC adapter
Power ..... AC 100 V to 240 V, 50 Hz/60 Hz
Rated current ..... 0.6 A
Rated output ..... DC 12 V, 2 A
Power consumption (standby) ..... 0.5 W

General – Main Unit
Power consumption ..... DC 12 V, 700 mA
Main unit weight ..... 3.7 kg (8.2 lb)
Max. external dimensions
..... 553 mm (W) × 65.1 mm (H) × 334.5 mm (D)
(21.8 in. (W) × 2.56 in. (H) × 13.2 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 ..... 44.1 kHz
A/D, D/A converter ..... 24 bits
Frequency characteristic
USB, LINE ..... 20 Hz to 20 kHz
S/N ratio (rated output, A-WEIGHTED)
USB ..... 105 dB
LINE ..... 80 dB
PHONO ..... 75 dB
MIC ..... 70 dB
Total harmonic distortion (20 Hz — 20 kHzBW)
USB ..... 0.003 %
LINE ..... 0.005 %
Standard input level / Input impedance
LINE ..... –12 dBu/42 kΩ
PHONO ..... –52 dBu/42 kΩ
MIC ..... –57 dBu/7 kΩ
Standard output level / Load impedance / Output impedance
MASTER 1 ..... +6 dBu/10 kΩ/390 Ω
MASTER 2 ..... +2 dBu/10 kΩ/820 Ω
BOOTH ..... +6 dBu/10 kΩ/390 Ω
PHONES ..... +4 dBu/32 kΩ/10 Ω
Rated output level / Load impedance
MASTER 1 ..... +24 dBu/10 kΩ
MASTER 2 ..... +20 dBu/10 kΩ
Crosstalk
LINE ..... 88 dB

Input / Output terminals
PHONO/LINE input terminals
RCA pin jacks ..... 2 set
MIC terminal
1/4” TS jack ..... 1 set
MASTER 1 output terminal
XLR connector ..... 1 set
MASTER 2 output terminal
RCA pin jacks ..... 1 set
BOOTH output terminal
1/4” TRS jack ..... 1 set
PHONES output terminal
1/4” TRS jack ..... 1 set
3.5 mm stereo mini jack ..... 1 set
USB terminal
B type ..... 1 set

Accessories

• AC adapter
(LSYXJ: DWR1546, UXJCB: DWR1552, XJCN: DWR1546)

• Power cord
(LSYXJ: ADG1154, UXJCB: XDG3052, XJCN: ADG7079)

• USB cable
(DDE1128)

• 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 versions of 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)”.

• Operating Instructions (Quick Start Guide)
(LSYXJ: DRH1362/DRH1363, UXJCB: DRH1364, XJCN: DRH1365)
• rekordbox dj license key card
- The license key cannot be reissued. Be careful not to lose it.

3. BASIC ITEMS FOR SERVICE
3.1 CHECK POINTS AFTER SERVICING

Items to be checked after servicing

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

No.	Procedures	Check points
1	Check the firmware version.	The firmware version must be the latest one. If it is not the latest one, be sure to update it.
2	Confirm that the customer complaint has been resolved. If the problem pointed out by the customer occurs with a specific source or operation, such as PC input, PHONO/LINE input , MIC input, Fader, or VOL, input that specific source then perform that specific operation for checking.	The symptoms in question must not be reproduced. There must be no abnormality in audio signals or operations.
3	Check operations of the operating elements. Enter Service mode.	There must be no errors in operations of each button, the jog dial, LEDs, VOL, fader control, and rotary encoder.
4	Check the analog audio output. Connect this unit with a PC with the DJ application (rekordbox) installed, via USB, then play back audio.	There must be no errors, such as noise, in audio signals and operations of the MASTER/HEADPHONES outputs.
5	Check the analog audio input. Input an audio signal via PHONO/LINE input , MIC input.	There must be no abnormality in audio signals or operations.
6	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

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

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

3.2 JIGS LIST

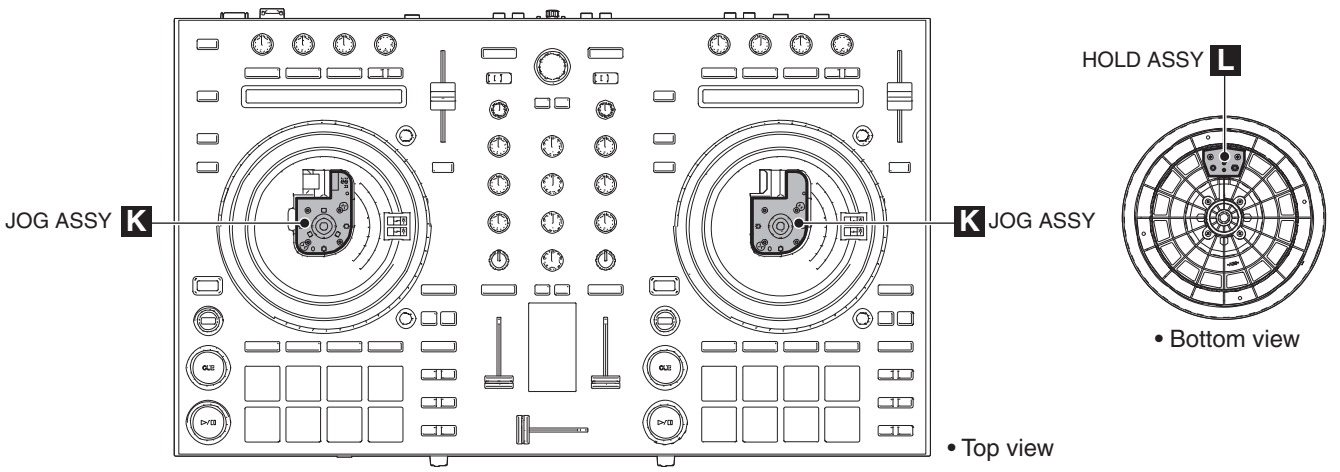
■ Jigs List

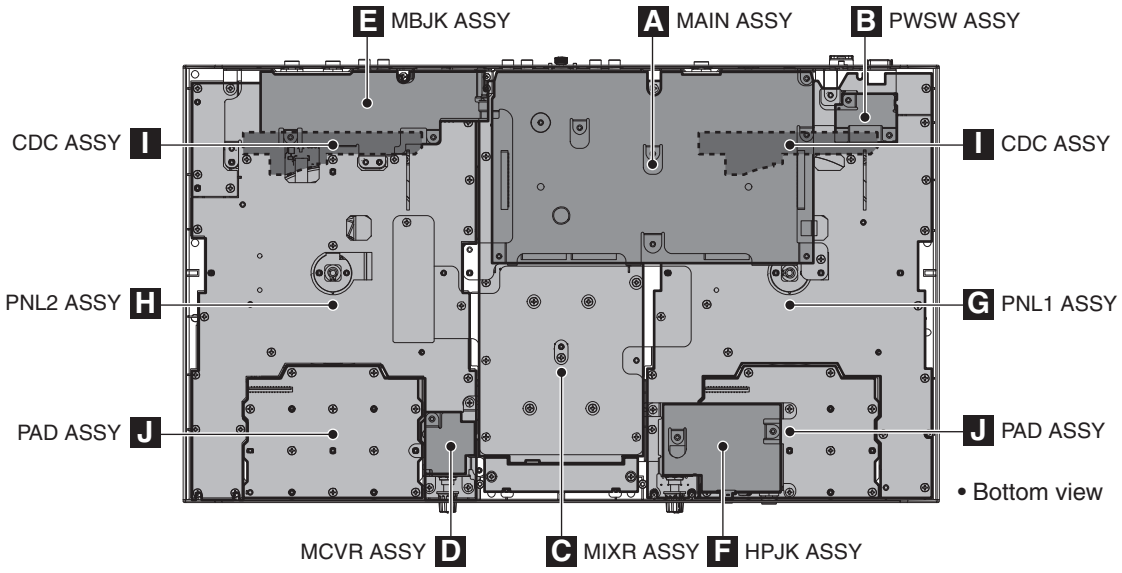
Jig Name	Part No.	Purpose of use / Remarks
USB cable	GGP1193	for PC connection
License key of rekordbox dj	GGP1522	Activation to use PERFORMANCE mode of rekordbox refer to "5.3 BASIC OPERATION CHECK USING rekordbox [Installation of rekordbox]"

■ Lubricants and Glues List

Name	Part No.	Remarks
Grease	GEM1100	Refer to “7. DISASSEMBLY”.

3.3 PCB LOCATIONS





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.*

LIST OF ASSEMBLIES

Mark	No.	Description	Part No.
	1	MAIN ASSY	DWX3893
NSP	1	PNL1 ASSY	DWM2622
	2	PNL1 ASSY	DWX3896
	2	HOLD ASSY	DWX3917
NSP	1	PNL2 ASSY	DWM2628
	2	PNL2 ASSY	DWX3919
	2	HOLD ASSY	DWX3917
	1	MIXA ASSY	DWM2623
	2	MCVR ASSY	DWX3897
	2	PWSW ASSY	DWX3898
	2	MIXR ASSY	DWX3899
	2	MBJK ASSY	DWX3900
	2	HPJK ASSY	DWX3901
NSP	1	PADJ ASSY	DWM2632
	2	CDC ASSY	DWX3894
	2	PAD ASSY	DWX3902
	2	JOG ASSY	DWX3903

4. BLOCK DIAGRAM

4. BLOCK DIAGRAM
4.1 OVERALL WIRING DIAGRAM

Use "megane" type	AC POWER CORD	
DESTINATION	Part Number	Polarity
/UXJCB	XDG3052-	Non-Polarized
/LSYXJ	ADG1154-	
/JXJ	DDG1112-	
/XJCN	ADG7079-	

- 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.

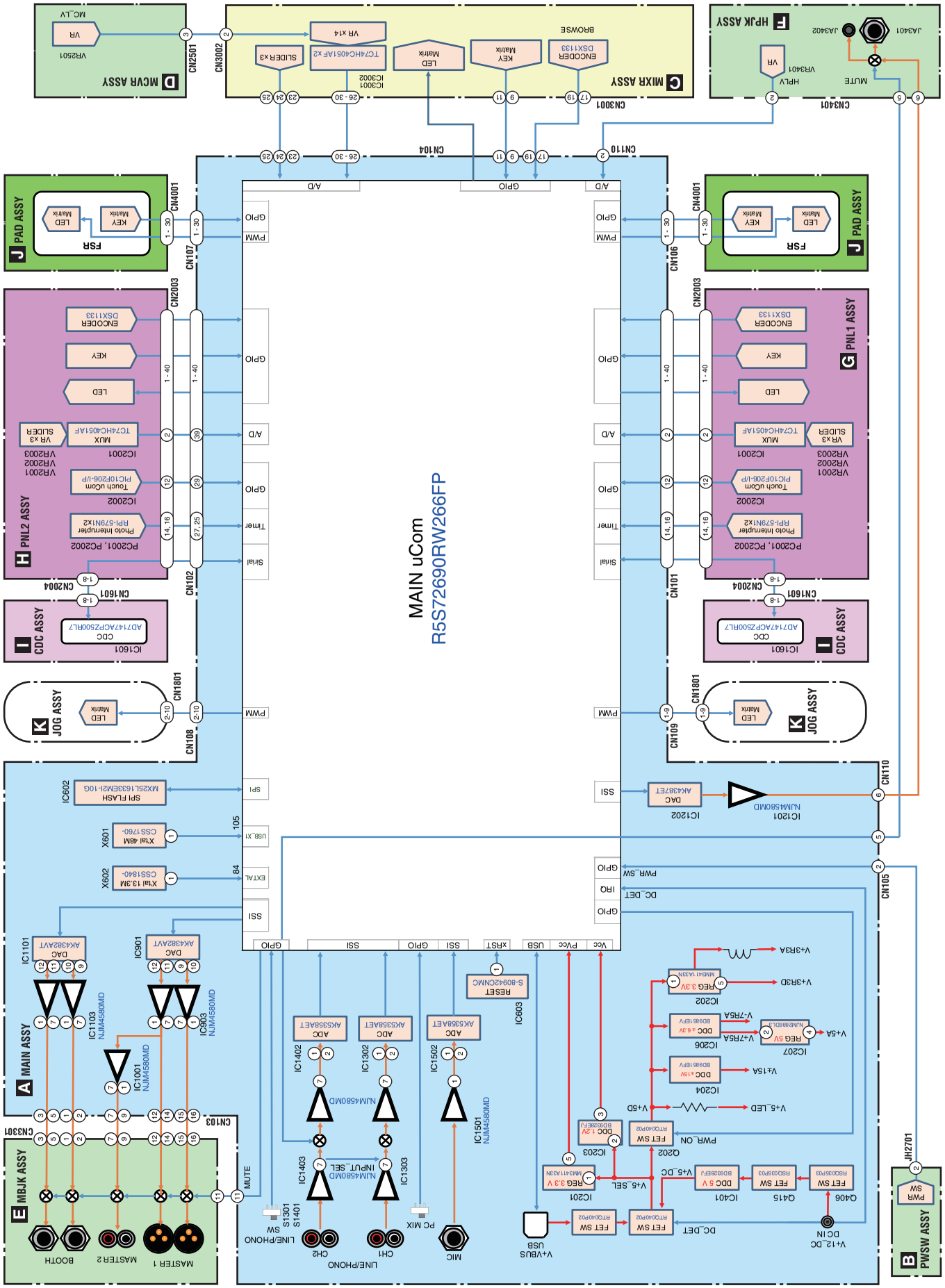
AC POWER CORD
AC ADAPTER
POWER SW
DC IN
USB CONNECTOR (B TYPE)
MIC IN
INPUT2
INPUT1
BOOTH
MASTER2
MASTER1

A (A1/8 - A8/8) MAIN ASSY (DWX3893)
B PWSW ASSY (DWX3898)
C (C1/2 - C2/2) MIXR ASSY (DWX3899)
D MCVR ASSY (DWX3897)
E MBJK ASSY (DWX3900)
F HPJK ASSY (DWX3901)
G (G1/3 - G3/3) PNL1 ASSY (DWX3896)
H (H1/3 - H3/3) PNL2 ASSY (DWX3919)
I CDC ASSY (DWX3894)
J PAD ASSY (DWX3902)
K JOG ASSY (DWX3903)
L HOLD ASSY (DWX3917)

HP JACK
HP Mini JACK
HP TRIM
MIC TRIM

DDJ-RR

4.2 OVERALL BLOCK DIAGRAM



4.3 MATRIX TABLE

LED assignment

PNL1 Assy	DIRECT	SLP.REV RED

	Matrix	Grid0	Grid1	Grid2	Grid3	Grid4	Grid5	Grid6	Grid7
PNL1 Assy	LED0		FX.SEL1 BLUEx2	FX_SEL2 BLUEx2		FX_SEL3 BLUEx2		BEAT< BLUE	BEAT> BLUE
	LED1		CUE AMBER	LIVE FEED REDx2	A.B.LOOP AMBERx2	BEATx1/2 AMBER	BEATx2 AMBER	4BEAT.IN AMBER	4BEAT.OUT AMBER
	LED2	PLAY GREEN	SEQ.OVDUB RED	SLIP RED	MST.TEMPO RED	PARAMT< RED	PARAMT> RED	SYNC RED	SEQ.START WHITE
	LED3	PAD0 RGB(B)		PAD1 RGB(B)		PAD2 RGB(B)		PAD3 RGB(B)	
	LED4	PAD0 RGB(G)		PAD1 RGB(G)		PAD2 RGB(G)		PAD3 RGB(G)	
	LED5	PAD4 RGB(B)		PAD5 RGB(B)		PAD6 RGB(B)		PAD7 RGB(B)	
	LED6	PAD4 RGB(G)		PAD5 RGB(G)		PAD6 RGB(G)		PAD7 RGB(G)	
	LED7	PAD0 RGB(R)	PAD4 RGB(R)	PAD1 RGB(R)	PAD5 RGB(R)	PAD2 RGB(R)	PAD6 RGB(R)	PAD3 RGB(R)	PAD7 RGB(R)
	LED8	HOT CUE RGB(B)		PAD FX1 RGB(B)		SLICER RGB(B)		SAMPLER RGB(B)	
	LED9	HOT CUE RGB(R)		PAD FX1 RGB(R)		SLICER RGB(R)		SAMPLER RGB(R)	
	LED10	HOT CUE RGB(G)		PAD FX1 RGB(G)		SLICER RGB(G)		SAMPLER RGB(G)	
	LED11	JLED0 RGB(B)		JLED1 RGB(B)		JLED2 RGB(B)		JLED3 RGB(B)	
	LED12	JLED0 RGB(R)		JLED1 RGB(R)		JLED2 RGB(R)		JLED3 RGB(R)	
	LED13	JLED0 RGB(G)		JLED1 RGB(G)		JLED2 RGB(G)		JLED3 RGB(G)	
PNL2 Assy	LED14		FX.SEL1 BLUEx2	FX_SEL2 BLUEx2		FX_SEL3 BLUEx2		BEAT< BLUE	BEAT> BLUE
	LED15	SLP.REV RED	CUE AMBER	LIVE FEED REDx2	A.B.LOOP AMBERx2	BEATx1/2 AMBER	BEATx2 AMBER	4BEAT.IN AMBER	4BEAT.OUT AMBER
	LED16	PLAY GREEN	SEQ.OVDUB RED	SLIP RED	MST.TEMPO RED	PARAMT< RED	PARAMT> RED	SYNC RED	SEQ.START WHITE
	LED17	PAD0 RGB(B)		PAD1 RGB(B)		PAD2 RGB(B)		PAD3 RGB(B)	
	LED18	PAD0 RGB(G)		PAD1 RGB(G)		PAD2 RGB(G)		PAD3 RGB(G)	
	LED19	PAD4 RGB(B)		PAD5 RGB(B)		PAD6 RGB(B)		PAD7 RGB(B)	
	LED20	PAD4 RGB(G)		PAD5 RGB(G)		PAD6 RGB(G)		PAD7 RGB(G)	
	LED21	PAD0 RGB(R)	PAD4 RGB(R)	PAD1 RGB(R)	PAD5 RGB(R)	PAD2 RGB(R)	PAD6 RGB(R)	PAD3 RGB(R)	PAD7 RGB(R)
	LED22	HOT CUE RGB(B)		PAD FX1 RGB(B)		SLICER RGB(B)		SAMPLER RGB(B)	
	LED23	HOT CUE RGB(R)		PAD FX1 RGB(R)		SLICER RGB(R)		SAMPLER RGB(R)	
	LED24	HOT CUE RGB(G)		PAD FX1 RGB(G)		SLICER RGB(G)		SAMPLER RGB(G)	
	LED25	JLED0 RGB(B)		JLED1 RGB(B)		JLED2 RGB(B)		JLED3 RGB(B)	
	LED26	JLED0 RGB(R)		JLED1 RGB(R)		JLED2 RGB(R)		JLED3 RGB(R)	
	LED27	JLED0 RGB(G)		JLED1 RGB(G)		JLED2 RGB(G)		JLED3 RGB(G)	
MIXR Assy	LED28	CH.LV1-L RED	CH.LV2-L AMBER	CH.LV3-L GREEN	CH.LV4-L GREEN	CH.LV5-L GREEN	CH.LV6-L GREEN	LOAD1 BLUEx2	LOAD1 WHITE
	LED29	MST.LV1-L RED	MST.LV2-L AMBER	MST.LV3-L GREEN	MST.LV4-L GREEN	MST.LV5-L GREEN	MST.LV6-L GREEN	LOAD2 BLUEx2	LOAD2 WHITE
	LED30	MST.LV1-R RED	MST.LV2-R AMBER	MST.LV3-R GREEN	MST.LV4-R GREEN	MST.LV5-R GREEN	MST.LV6-R GREEN	HP_CUE1 AMBERx2	HP_CUE2 AMBERx2
	LED31	CH.LV1-R RED	CH.LV2-R AMBER	CH.LV3-R GREEN	CH.LV4-R GREEN	CH.LV5-R GREEN	CH.LV6-R GREEN	SMP_SYNC RED	SMP_CUE AMBER

KEY assignment

PNL1 Assy	DIRECT	PLAY HIGH DURABILITY SW	CUE HIGH DURABILITY SW	SLP.REV DURABILITY SW	2 POSITION SW1 SLIDE SW
PNL2 Assy	DIRECT	PLAY HIGH DURABILITY SW	CUE HIGH DURABILITY SW		2 POSITION SW2 SLIDE SW

	MATRIX	Grid0	Grid1	Grid2	Grid3	Grid4	Grid5	Grid6	Grid7
PNL1 Assy	KEY0		FX.SEL1 STANDARD SW	FX_SEL2 STANDARD SW	FX_SEL3 STANDARD SW	REL.FX ENC.SW STANDARD SW	BEAT< STANDARD SW	BEAT> STANDARD SW	SLIP DURABILITY SW
	KEY1	G.ADJ DURABILITY SW	G.SLIDE STANDARD SW	SHIFT STANDARD SW	SYNC DURABILITY SW	MST.TEMPO STANDARD SW	CAPTURE DURABILITY SW	PARAMT> STANDARD SW	PARAMT< STANDARD SW
	KEY2	LIVE FEED DURABILITY SW	SEQ.OVDUB DURABILITY SW	SEQ.START DURABILITY SW	A.B.LOOP DURABILITY SW	BEATx2 DURABILITY SW	BEATx1/2 DURABILITY SW	4BEAT.OUT DURABILITY SW	4BEAT.IN DURABILITY SW
	KEY3	HOT CUE DURABILITY SW	PAD FX1 DURABILITY SW	SLICER DURABILITY SW	SAMPLER DURABILITY SW				
	KEY4	PAD0 FSR	PAD4 FSR	PAD0 FSR	PAD4 FSR	PAD0 FSR	PAD4 FSR	PAD0 FSR	PAD4 FSR
	KEY5	PAD1 FSR	PAD5 FSR	PAD1 FSR	PAD5 FSR	PAD1 FSR	PAD5 FSR	PAD1 FSR	PAD5 FSR
	KEY6	PAD2 FSR	PAD6 FSR	PAD2 FSR	PAD6 FSR	PAD2 FSR	PAD6 FSR	PAD2 FSR	PAD6 FSR
	KEY7	PAD3 FSR	PAD7 FSR	PAD3 FSR	PAD7 FSR	PAD3 FSR	PAD7 FSR	PAD3 FSR	PAD7 FSR
PNL2 Assy	KEY8	SLP.REV DURABILITY SW	FX.SEL1 STANDARD SW	FX_SEL2 STANDARD SW	FX_SEL3 STANDARD SW	REL.FX ENC.SW STANDARD SW	BEAT< STANDARD SW	BEAT> STANDARD SW	SLIP DURABILITY SW
	KEY9	G.ADJ STANDARD SW	G.SLIDE STANDARD SW	SHIFT STANDARD SW	SYNC DURABILITY SW	MST.TEMPO STANDARD SW	CAPTURE DURABILITY SW	PARAMT> STANDARD SW	PARAMT< STANDARD SW
	KEY10	LIVE FEED DURABILITY SW	SEQ.OVDUB DURABILITY SW	SEQ.START DURABILITY SW	A.B.LOOP DURABILITY SW	BEATx2 DURABILITY SW	BEATx1/2 DURABILITY SW	4BEAT.OUT DURABILITY SW	4BEAT.IN DURABILITY SW
	KEY11	HOT CUE DURABILITY SW	PAD FX1 DURABILITY SW	SLICER DURABILITY SW	SAMPLER DURABILITY SW				
	KEY12	PAD0 FSR	PAD4 FSR	PAD0 FSR	PAD4 FSR	PAD0 FSR	PAD4 FSR	PAD0 FSR	PAD4 FSR
	KEY13	PAD1 FSR	PAD5 FSR	PAD1 FSR	PAD5 FSR	PAD1 FSR	PAD5 FSR	PAD1 FSR	PAD5 FSR
	KEY14	PAD2 FSR	PAD6 FSR	PAD2 FSR	PAD6 FSR	PAD2 FSR	PAD6 FSR	PAD2 FSR	PAD6 FSR
	KEY15	PAD3 FSR	PAD7 FSR	PAD3 FSR	PAD7 FSR	PAD3 FSR	PAD7 FSR	PAD3 FSR	PAD7 FSR
MIXR Assy	KEY16	LOAD1 STANDARD SW	3 POSITION SW1-1 SLIDE SW	3 POSITION SW1-2 SLIDE SW	BACK STANDARD SW	CUE1 STANDARD SW	SMP_SYNC STANDARD SW	BROWSE ENC.SW	
	KEY17	LOAD2 STANDARD SW	3 POSITION SW2-1 SLIDE SW	3 POSITION SW2-2 SLIDE SW	TAG TRACK STANDARD SW	CUE2 STANDARD SW	SMP_CUE STANDARD SW		

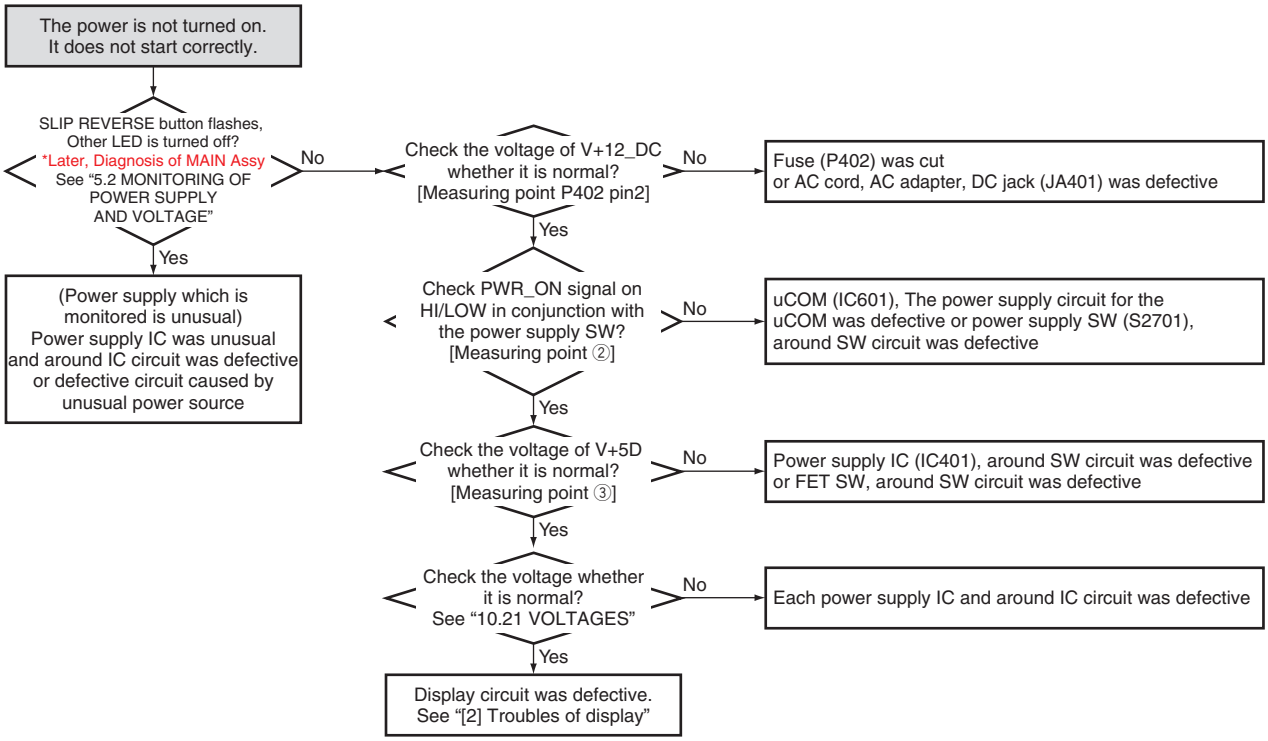
AD assignment

MIXR Assy	DIRECT	CH FADER1 SLIDE VR	CH FADER2 SLIDE VR	CROSSFADER SLIDE VR

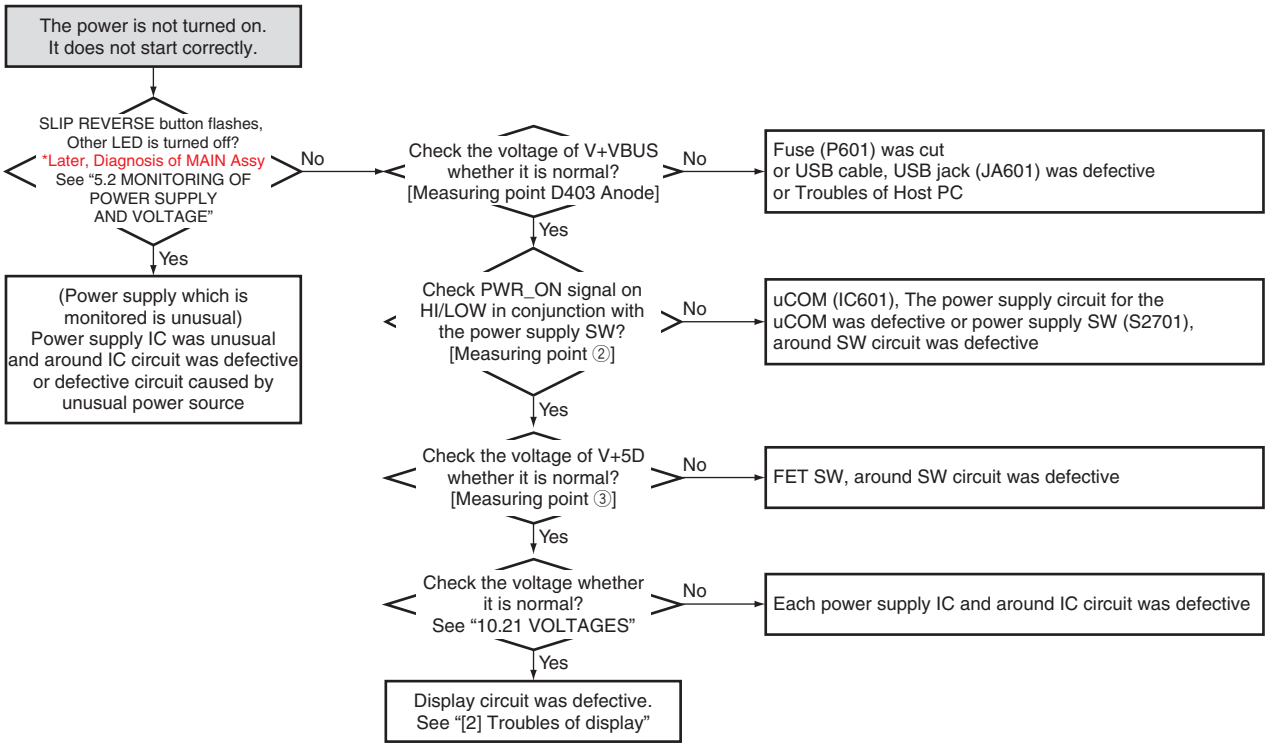
	MULTIPLEXER	IN0	IN1	IN2	IN3	IN4	IN5	IN6	IN7
PNL1 Assy	AD0	FX.VR1 ROTARY VR	FX_VR2 ROTARY VR	FX_VR3 ROTARY VR	FX.PANEL	AD_TEMPO SLIDE VR		AD_TEMPO_C	
PNL2 Assy	AD1	FX.VR1 ROTARY VR	FX_VR2 ROTARY VR	FX_VR3 ROTARY VR	FX.PANEL	AD_TEMPO SLIDE VR		AD_TEMPO_C	
MIXR Assy	AD2	MASTER.VR ROTARY VR	MID1 ROTARY VR	HI1 ROTARY VR	BOOTH.VR ROTARY VR	TRIM1 ROTARY VR	MID2 ROTARY VR	TRIM2 ROTARY VR	HI2 ROTARY VR
	AD3	FILTER1 ROTARY VR		LOW1 ROTARY VR	HP.MIX ROTARY VR	LOW2 ROTARY VR	SAMPLE.VR ROTARY VR	MIC.VR ROTARY VR	FILTER2 ROTARY VR
MAIN Assy	AD4	V+12_DC VOLTAGE MONITORING		HP.VR ROTARY VR		V+VBUS VOLTAGE MONITORING		V+12_15WDET VOLTAGE MONITORING	

5. DIAGNOSIS
5.1 TROUBLESHOOTING

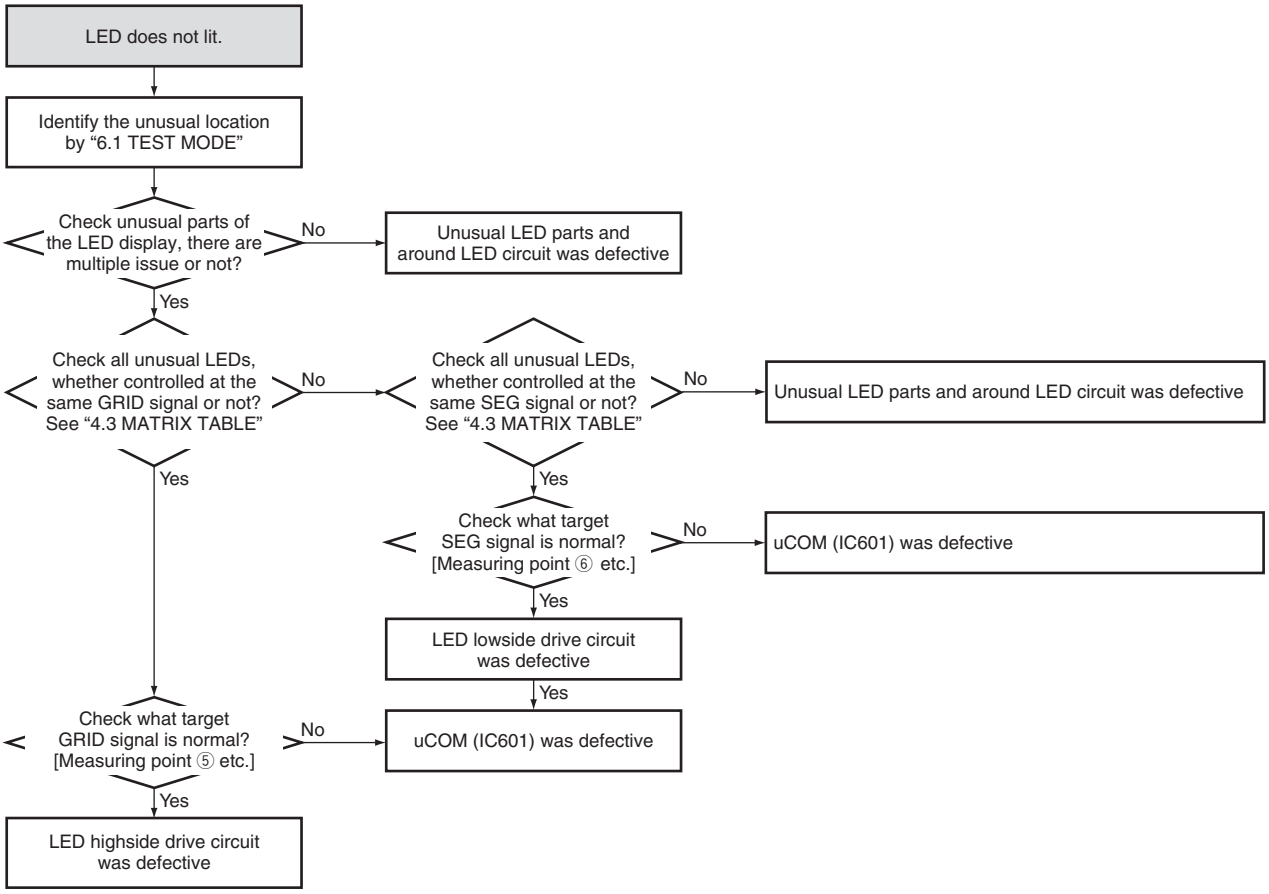
[1-1] Troubles of starting system (AC adapter)



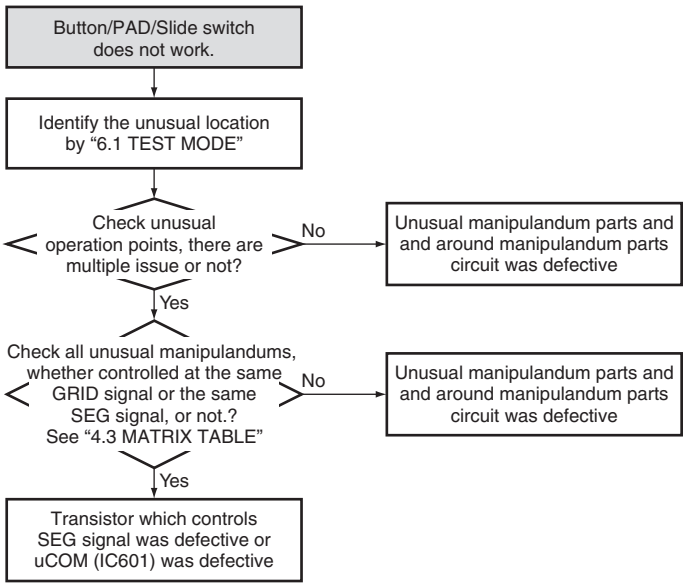
[1-2] Troubles of starting system (USB bus power)

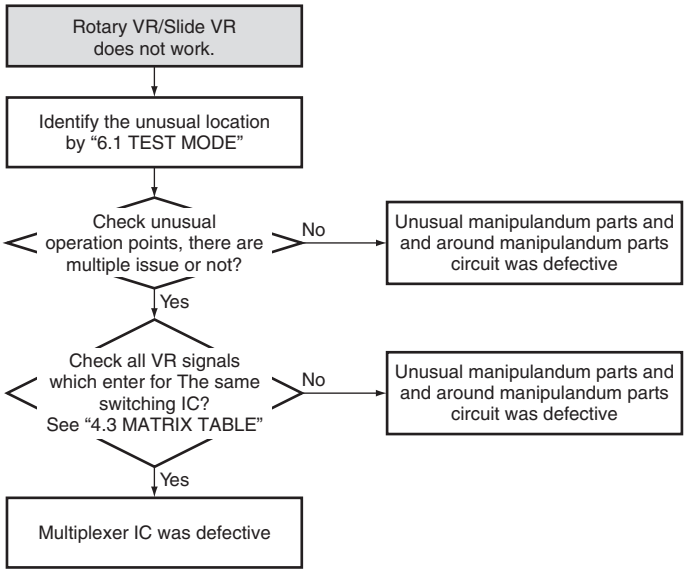


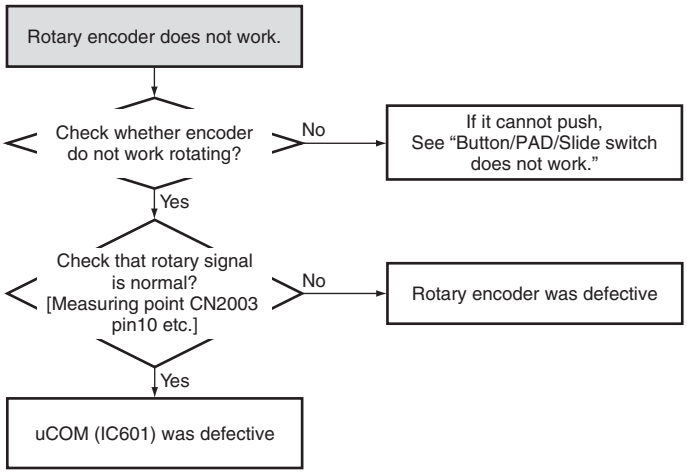
[2] Troubles of display

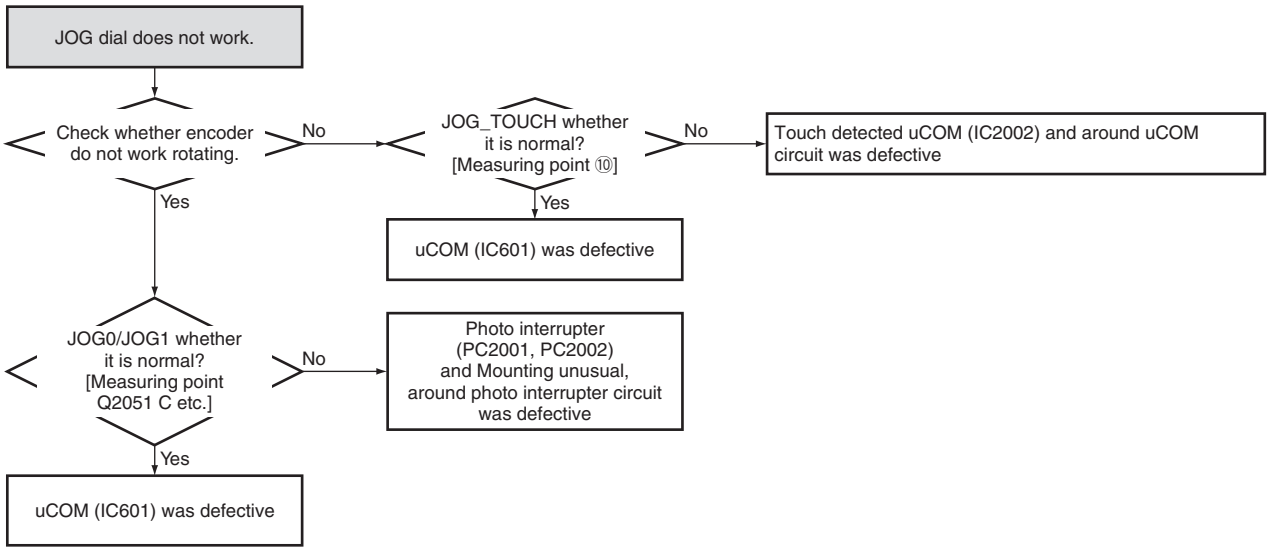


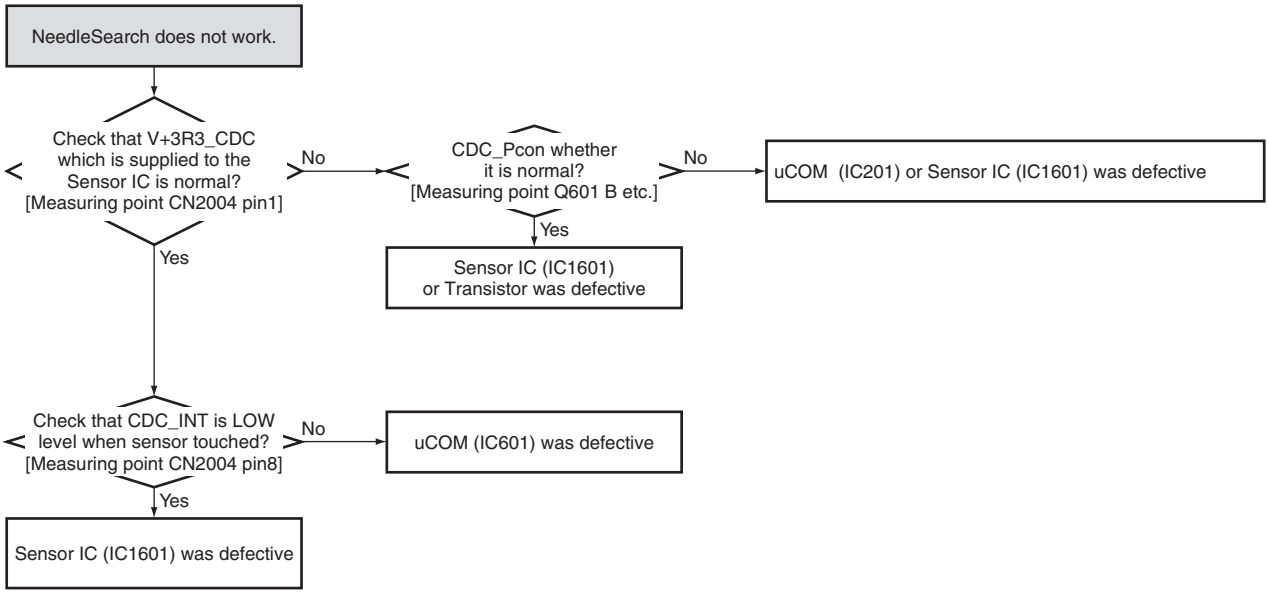
[3] Troubles of operation




Rotary VR/Slide VR does not work.
Identify the unusual location by “6.1 TEST MODE”
Check unusual operation points, there are multiple issue or not?
No
Unusual manipulandum parts and and around manipulandum parts circuit was defective
Yes
Check all VR signals which enter for The same switching IC? See “4.3 MATRIX TABLE”
No
Unusual manipulandum parts and and around manipulandum parts circuit was defective
Yes
Multiplexer IC was defective


Rotary encoder does not work.
Check whether encoder do not work rotating?
No
If it cannot push, See “Button/PAD/Slide switch does not work.”
Yes
Check that rotary signal is normal? [Measuring point CN2003 pin10 etc.]
No
Rotary encoder was defective
Yes
uCOM (IC601) was defective


JOG dial does not work.
Check whether encoder do not work rotating.
No
JOG_TOUCH whether it is normal? [Measuring point ⑩]
No
Touch detected uCOM (IC2002) and around uCOM circuit was defective
Yes
Yes
uCOM (IC601) was defective
JOG0/JOG1 whether it is normal? [Measuring point Q2051 C etc.]
No
Photo interrupter (PC2001, PC2002) and Mounting unusual, around photo interrupter circuit was defective
Yes
uCOM (IC601) was defective

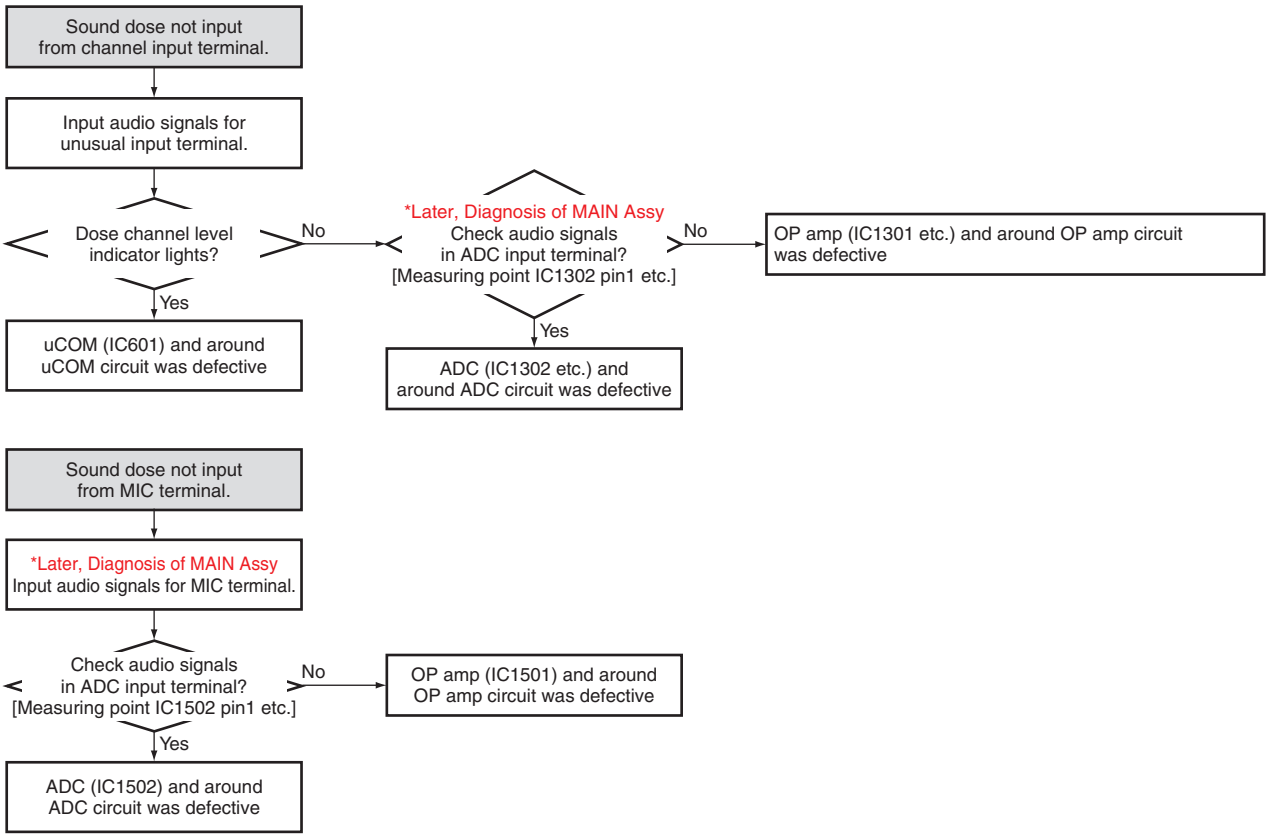


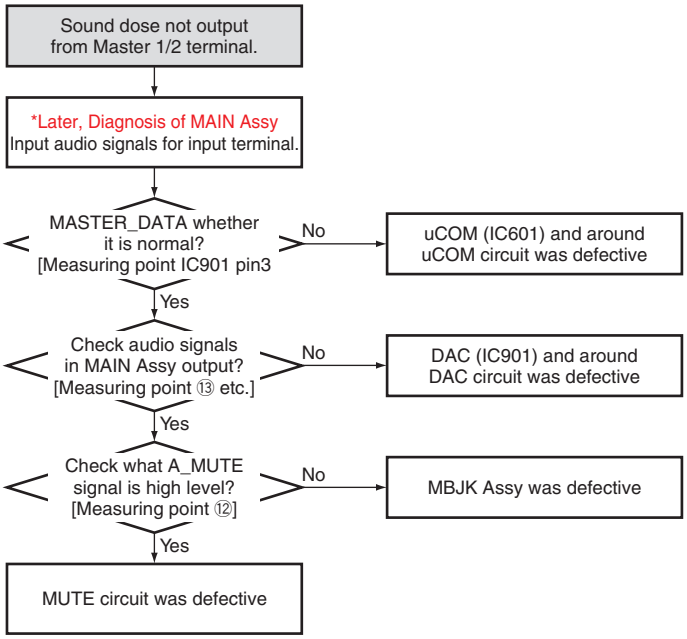
[4] Troubles of audio

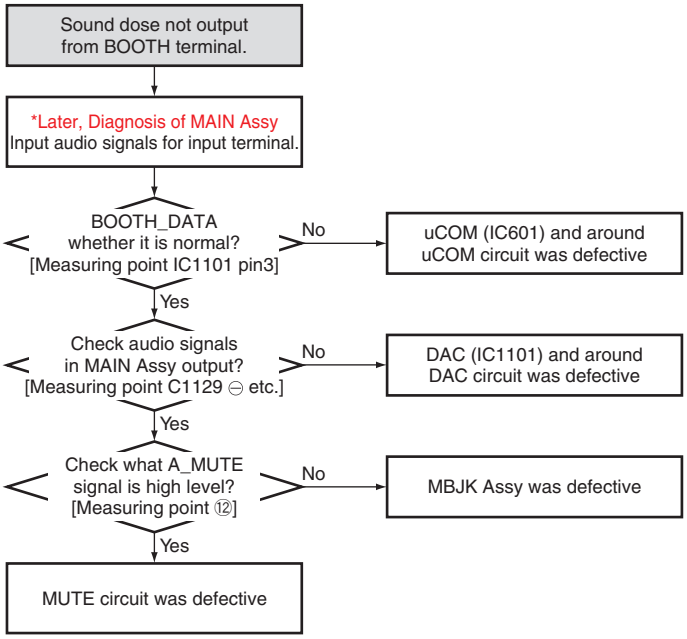
[Prior confirmation]

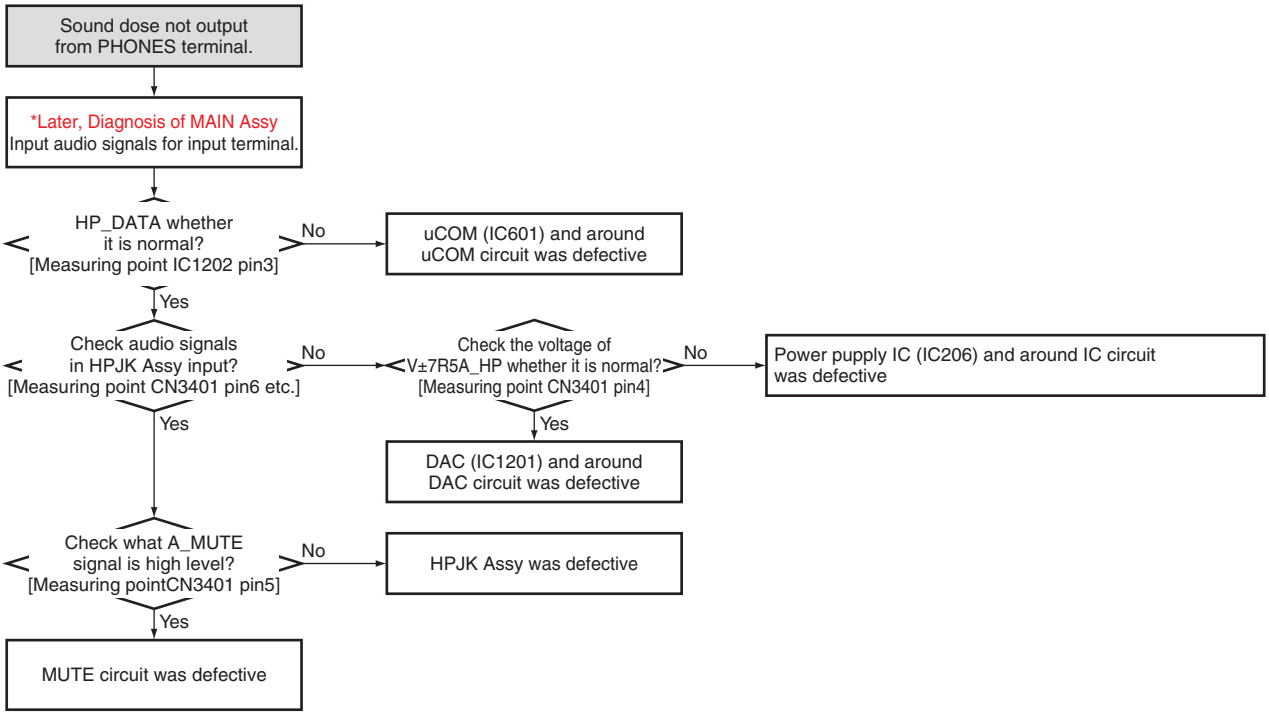
① Discriminate unusual parts section input or output.
Please discriminate unusual parts section input or output, refer to check simple method for audio signals.
*If all signals were defective, power supply for audio, clock for audio, and around uCOM electric circuit were defective.

② Check indication and operation
Please check indication and operation by test mode.
If some problems, you should repair it. (See "[2]Troubles of display" and "[3]Troubles of operation")

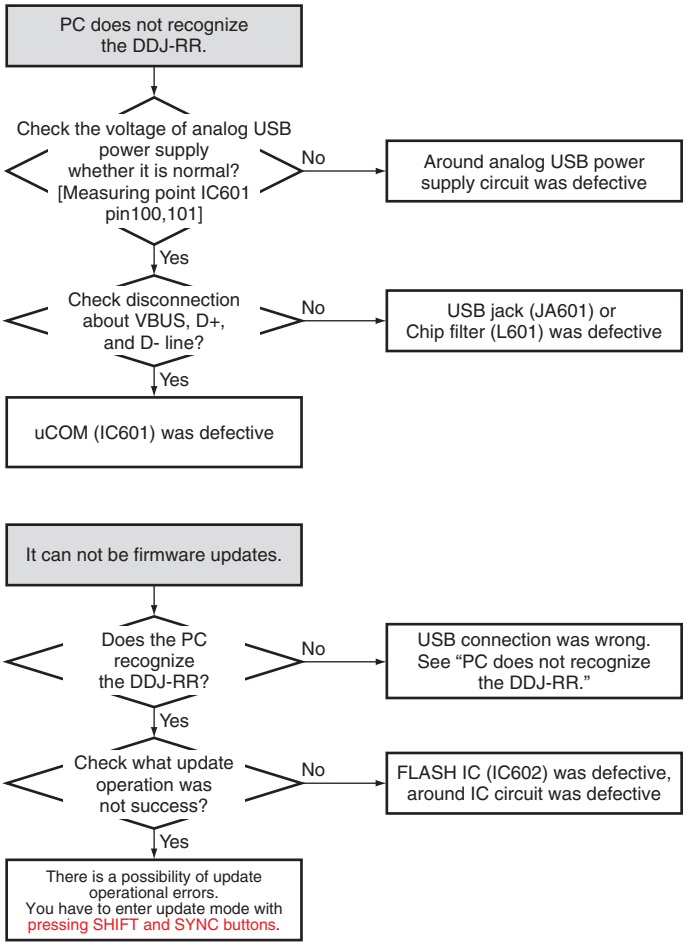



Sound dose not output from Master 1/2 terminal.
*Later, Diagnosis of MAIN Assy Input audio signals for input terminal.
MASTER_DATA whether it is normal? [Measuring point IC901 pin3
No
uCOM (IC601) and around uCOM circuit was defective
Yes
Check audio signals in MAIN Assy output? [Measuring point ⑬ etc.]
No
DAC (IC901) and around DAC circuit was defective
Yes
Check what A_MUTE signal is high level? [Measuring point ⑫]
No
MBJK Assy was defective
Yes
MUTE circuit was defective


Sound dose not output from BOOTH terminal.
*Later, Diagnosis of MAIN Assy Input audio signals for input terminal.
BOOTH_DATA whether it is normal? [Measuring point IC1101 pin3]
No
uCOM (IC601) and around uCOM circuit was defective
Yes
Check audio signals in MAIN Assy output? [Measuring point C1129 ⊖ etc.]
No
DAC (IC1101) and around DAC circuit was defective
Yes
Check what A_MUTE signal is high level? [Measuring point ⑫]
No
MBJK Assy was defective
Yes
MUTE circuit was defective



[5] Troubles of PC connection



5.2 MONITORING OF POWER SUPPLY AND VOLTAGE

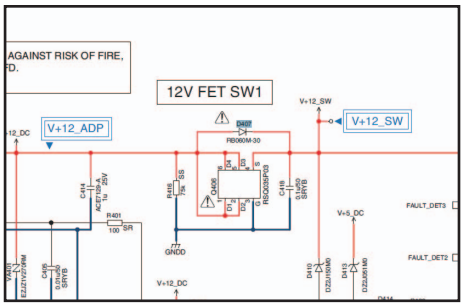
This item requires a diagnosis of MAIN Assy.

■ The circuit of this unit monitors for power and voltage failure from AC adapter and will shut the unit off immediately after an error is detected.

• Content to be monitored
Power supply voltage failure from the AC adapter
Power to be monitored: V+12_SW

• Voltage monitoring and value

Monitoring voltage	Reduced voltage	Overvoltage
V+12_SW	------	17.5 V



• Detection terminal and its terminal voltage
V+12_SW [Measuring point D407 Cathode]
Normal: HI (12 V)
Abnormal: LOW (0 V)

• Timing of monitoring start
Abnormal: Power supplied from the AC adapter Immediately

• Timing upon judgment as a failure
Abnormal: After an error is detected

•LED indication when an error is generated
All LEDs are unlit.

• Restoration method
If the unit shuts itself down because an error is detected, perform diagnosis, disconnect AC adapter and the USB cable, wait for a while and then turn on the power again.

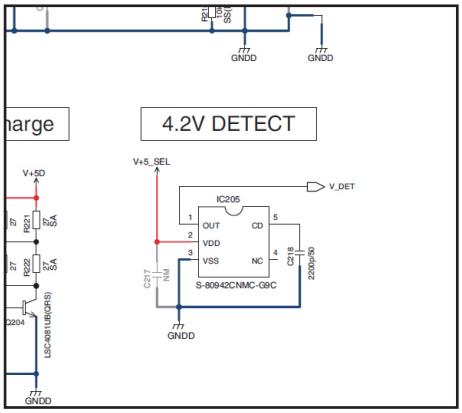
• Diagnostic procedure
See "5.1 TROUBLESHOOTING."

■ The circuit of this unit monitors for power and voltage failure from 12 V→ 5 V DC-DC converter (IC401) and USB bus power and will shut the unit off immediately after an error is detected.

• Content to be monitored
Power supply voltage failure from 12 V → 5 V DC-DC converter (IC401) and the USB bus power
Power to be monitored : V+5_SEL

• Voltage monitoring and value

Monitoring voltage	Reduced voltage	Overvoltage
V+5_SEL	4.20 V	------



• Detection terminal and its terminal voltage
V_DET signal [Measuring point IC205 pin1]
Normal: HI (3.3 V)
Abnormal: LOW (0 V)

• Timing of monitoring start
Abnormal: 3 msec after the unit is turned ON

• Timing upon judgment as a failure
Abnormal: 640 usec after an error is detected

• LED indication when an error is generated
SLIP REVERSE indicator flashes. The other LEDs are unlit.

• Restoration method
If the unit shuts itself down because an error is detected, perform diagnosis, disconnect AC adapter and the USB cable, wait for a while and then turn on the power again.

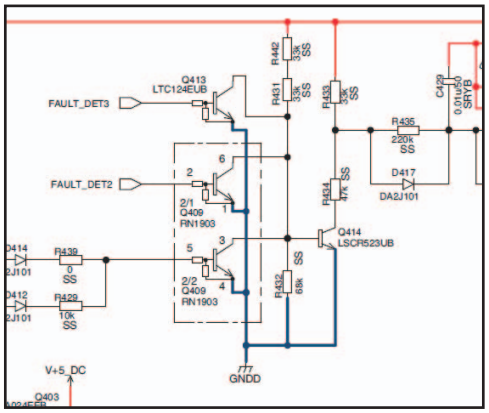
• Diagnostic procedure
See "5.1 TROUBLESHOOTING."

■ The circuit of this unit monitors for power and voltage failure suppied to the uCOM and will shut the unit off immediately after an error is detected.

• Content to be monitored
Power supply voltage failure suppied to the uCOM
Power to be monitored: V+1R2E

• Voltage monitoring and value

Monitoring voltage	Power supply	Reduced voltage	Overvoltage
V+1R2E	AC adapter	------	2.16 V
	USB		2.14 V



• Detection terminal and its terminal voltage
FAULT_DET2 signal [Measuring point Q409 pin2]
Normal: LOW (0 V)
Abnormal: HI (5 V)

• Timing of monitoring start
Abnormal: Power supplied Immediately

• Timing upon judgment as a failure
Abnormal: Power supplied Immediately

•LED indication when an error is generated
To repeat the power ON / OFF, Start up illumination will repeat ON / OFF.

• Restoration method
If the unit shuts itself down because an error is detected, perform diagnosis, disconnect AC adapter and the USB cable, wait for a while and then turn on the power again.

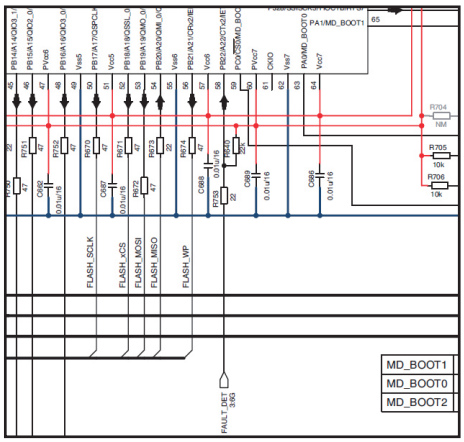
• Diagnostic procedure
See "5.1 TROUBLESHOOTING."

■ The uCOM of this unit always monitors for power and voltage failure of the unit and will shut the unit off immediately after an error is detected.

• Content to be monitored
Power supply voltage failure on MAIN Assy
Power to be monitored : V+5A, V±15A, V±7R5A, V+3R3D

• Voltage monitoring and value

Monitoring voltage	Reduced voltage	Overvoltage	Monitoring voltage	Reduced voltage	Overvoltage
V+5A	3.39 V	------	V+7R5A	4.35 V	------
V+15A	4.35 V	------	V-7R5A	------	–3.24 V
V-15A	------	–3.24 V	V+3R3D	------	–3.90 V



• Detection terminal and its terminal voltage
FAULT_DET signal [Measuring point ④]
Normal: HI (3.3 V)
Abnormal: LOW (0 V)

• Timing of monitoring start
500 msec after the unit is turned ON

• Timing upon judgment as a failure
50 msec after an error is detected

• LED indication when an error is generated
SLIP REVERSE indicator flashes. The other LEDs are unlit.

• Restoration method
If the unit shuts itself down because an error is detected,
perform diagnosis, disconnect AC adapter and the USB cable, wait for a while and then turn on the power again.

• Diagnostic procedure
See "5.1 TROUBLESHOOTING."

5.3 BASIC OPERATION CHECK USING rekordbox

[Installation of rekordbox]

A brief explanation of how to install rekordbox on a PC is given below. For details, refer to the operating instructions of the software.
Install the driver software that enables audio output from the computer beforehand.
The operating environment of the PC required for installation of rekordbox is shown below.

Minimum operating environment

Supported operating systems	CPU and required memory
Mac OS X: 10.11/10.10/10.9 (latest update)	Intel® processor Core™ i3/i5/i7, Intel® processor Core™ 2 Duo
	4 GB or more of RAM
Windows: 32-bit version or 64-bit version of Windows 10/Windows 8.1/Windows 7 (latest service pack)	Intel® processor Core™ i3/i5/i7, Intel® processor Core™ 2 Duo
	4 GB or more of RAM

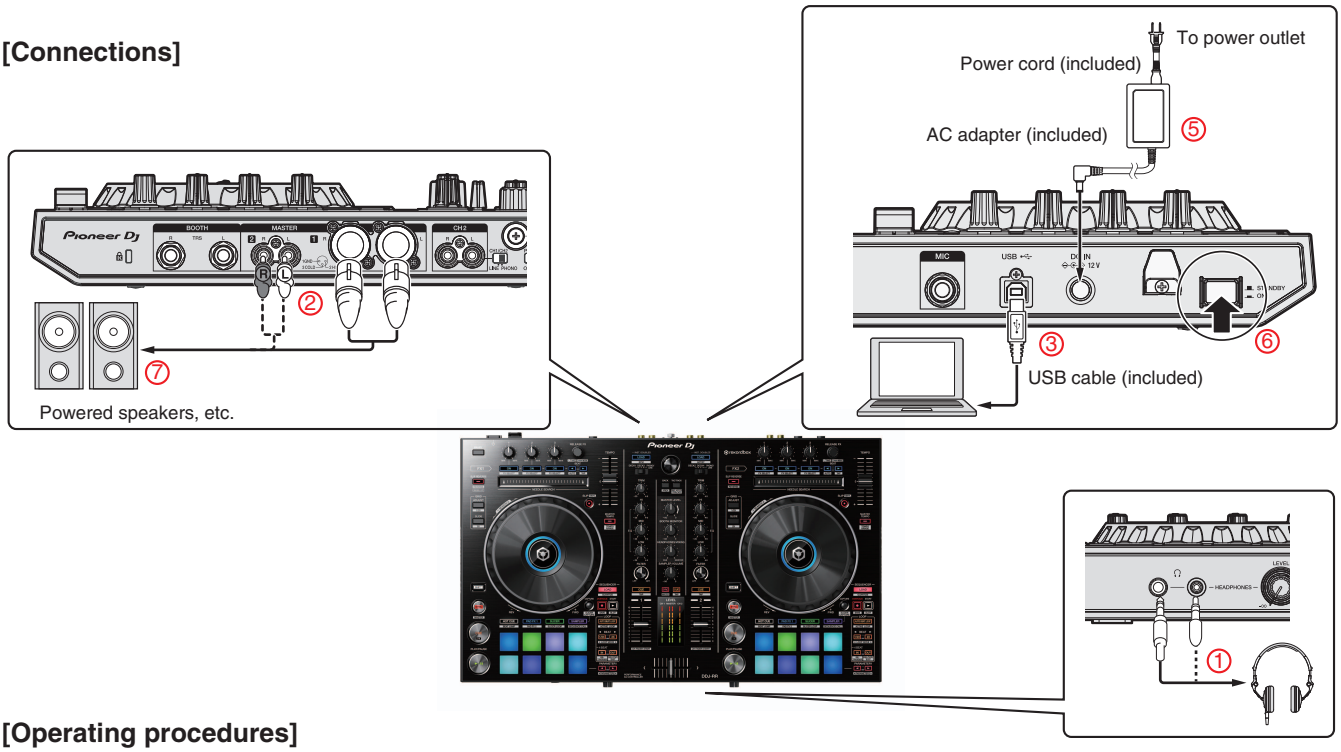
Others	
USB port	A USB 2.0 port is required to connect the computer with this unit.
Display resolution	Resolution of 1280 x 768 or greater
Internet connection	An Internet connection is required for registering the rekordbox user account and downloading the software.

- For information on the latest system requirements, compatibility, and supported operating systems of rekordbox, see [**System Requirements**] on the rekordbox.
  com site below.
  http://rekordbox.com/
- Operating System support assumes you are using the latest point release for that version.

For the latest version of the rekordbox software, access rekordbox.com and download the software from there.
For downloading, registration of a user account at rekordbox is required.
Unzip the downloaded file, then double-click the unzipped file to launch the installer.
Read the terms of the license agreement carefully, and if you agree, select [Agree], then click [Next](Mac OS X: Continue).
After installation is completed, the Installation Completed screen will be displayed. Click on [Finish](Mac OS X: Close) to quit the rekordbox installer.

- Be sure to use rekordbox Version 4.1.1 or later, because the prior versions of rekordbox do not support the DDJ-RR.
- Activation using a license key is required to use PERFORMANCE mode for enabling the DJ performance function of rekordbox.

[Connections]



[Operating procedures]

① Connect headphones to one of the [HEADPHONES] terminals.
② Connect powered speakers, a power amplifier, components, etc., to the [MASTER 1] or [MASTER 2] terminals.
③ Connect this unit to your computer via a USB cable.
④ Turn on the computer' s power.
⑤ Connect the AC adapter.
⑥ Switch the [STANDBY/ON] switch on this unit' s rear panel to the [ON] side to turn this unit' s power on.
⑦ Turn on the power of the devices connected to the output terminals (powered speakers, power amplifier, components, etc.).

Launching rekordbox

Adding music files to [Collection]

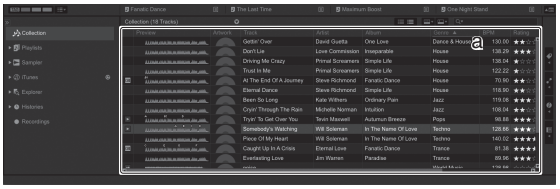
[**Collection**] is a screen for displaying a list of the music files managed by rekordbox.
Registering the music files on the computer as the music collection of rekordbox and then analyzing them enables those tracks to be used with rekordbox.

1 Click [Collection] in the tree view.

A list of the tracks registered in [**Collection**] is displayed.

2 Open Finder or Windows explorer, then drag and drop music files or folders including music files to the track list.

The music files are added to the collection, and the waveform information analysis of the music files starts. Wait until the analysis of all the music files are finished.

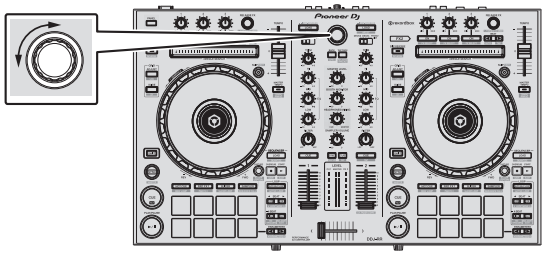


a Track list

Loading a track into the deck

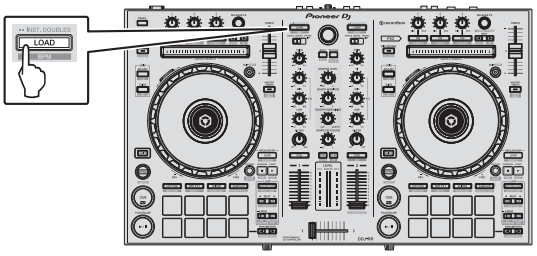
The following describes the procedure for loading tracks into deck **1** as an example.

1 Turn the rotary selector to select a track from [Collection].



2 Press the [LOAD] button of the left side deck.

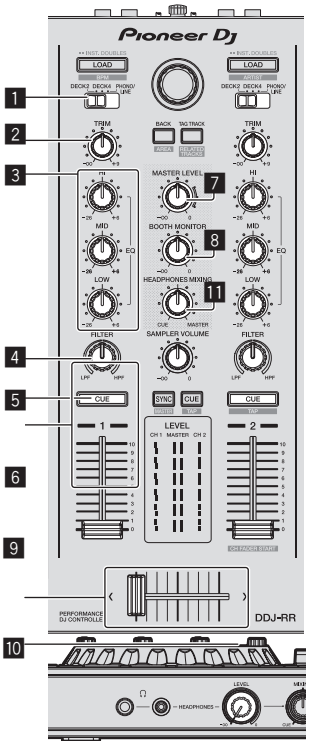
The track is loaded into the deck.



Playing tracks and outputting the sound

The following describes the procedure for outputting the sound of deck 1 as an example.

- Set the volume of the devices (power amplifier, powered speakers, etc.) connected to the [**MASTER 1**] and [**MASTER 2**] output terminals to an appropriate level. Note that very loud sound will be output if the volume is set too high.



1 INPUT SELECT switch

2 TRIM control

3 EQ (HI, MID, LOW) controls

4 FILTER control

5 Headphones CUE button

6 Channel fader

7 MASTER LEVEL control

8 BOOTH MONITOR LEVEL control

9 Crossfader

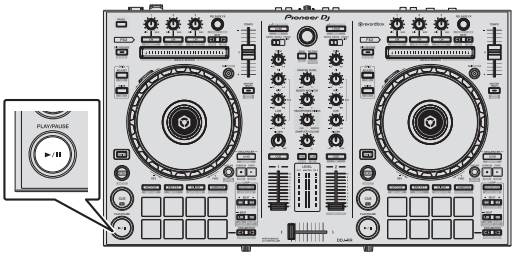
10 HEADPHONES LEVEL control

11 HEADPHONES MIXING control

1 Set the positions of the controls, etc., as shown below.

Names of controls, etc.	Position
MASTER LEVEL control	Turned fully counterclockwise
TRIM control	Turned fully counterclockwise
EQ (**HI**, **MID**, **LOW**) controls	Center
FILTER control	Center
Channel fader	Moved forward
INPUT SELECT switch	[**DECK1**] position

2 Press the [PLAY/PAUSE ►/❚❚] button to play the track.



3 Move the channel fader away from you.

4 Turn the [TRIM] control.
Adjust [**TRIM**] so that the orange indicator on the channel level indicator lights at the peak level.

5 Turn the [MASTER LEVEL] control to adjust the audio level of the speakers.
Adjust the sound level output from the [**MASTER 1**] and [**MASTER 2**] terminals to an appropriate level.

- Sound is output from the speakers according to your audio environment.

Monitoring sound with headphones

Set the positions of the controls, etc., as shown below.

Names of controls, etc.	Position
HEADPHONES MIXING control	Center
HEADPHONES LEVEL control	Turned fully counterclockwise

1 Press the headphones [CUE] button for the channel 1.

2 Turn the [HEADPHONES LEVEL] control.
Adjust the sound level output from the headphones to an appropriate level.

Note

This unit and rekordbox dj are equipped with a variety of functions to allow for more individualistic DJ performances. For details on each function, see the Operating Instructions and rekordbox Operating Instructions.

- The operating instructions of this unit can be downloaded from the Pioneer DJ site. For details, see *Viewing this unit's Operating Instructions.*
- This operating instructions of rekordbox can be downloaded from the rekordbox.com site. For details, see *Viewing the Operating Instructions of rekordbox.*

Quitting the system

1 Quit rekordbox.

2 Press the [STANDBY/ON] switch on this unit's rear panel to set this unit's power to standby.

3 Disconnect the USB cable from your computer.

6. SERVICE MODE
6.1 TEST MODE

1. Description of Test Modes

The Following test modes are provided for this unit:

1. Test Mode ①
①-1: Version check mode
①-2: Check mode of the buttons, knobs, etc.
①-3: Factory reset mode
①-4: Voltage value display mode
①-5: Voltage value fluctuation range check mode

2. Test Mode ②
②-1: Measurement mode of the load of JOG dial
②-2: Photo interrupter check mode

2. How to Operate in Test Mode

How to Enter Test Mode ①
Turn on the power while pressing the HP CUE1 button and SAMPLER SYNC button on the (left) DECK.

How to Enter Test Mode ②
Turn on the power while pressing the HP CUE2 button and SAMPLER CUE button on the (right) DECK.

[How to Enter and Shift Test Mode ①]

Power is OFF
↓
Turn on the power while pressing the HP CUE1 button and SAMPLER SYNC button on the (left) DECK.
↓
Check PIC uCOM
↓
A caution will appear if the firmware of the built-in PIC uCOM is not for DDJ-RR.
The caution will appear right after the Test Mode ① or ② started. All LEDs of the CH level meter will blink.
The caution will be cleared if you press and hold the BROWSE button for more than 5 seconds.
Then you can move on to the service mode.
↓
Test Mode ①-1
Version check mode
↓
Press the SHIFT button (right) DECK.
↓
Test Mode ①-2
Check mode of the buttons, knobs, etc.
↓
Press the SHIFT button (right) DECK.
↓
Test Mode ①-3
Factory reset mode
↓
Press the SHIFT button (right) DECK.
↓
Test Mode ①-4
Voltage value display mode
↓
Press the SHIFT button (right) DECK.
↓
Test Mode ①-5
Voltage value fluctuation range check mode
↓
Press the SHIFT button (right) DECK.

[How to Enter and Shift Test Mode ②]

Power is OFF
↓
Turn on the power while pressing the HP CUE2 button and SAMPLER CUE button on the (right) DECK.
↓
Check PIC uCOM
↓
A caution will appear if the firmware of the built-in PIC uCOM is not for DDJ-RR.
The caution will appear right after the Test Mode ① or ② started. All LEDs of the CH level meter will blink.
The caution will be cleared if you press and hold the BROWSE button for more than 5 seconds.
Then you can move on to the service mode.
↓
Test Mode ②-1
Version check mode
↓
Press the SHIFT button (right) DECK.
↓
Test Mode ②-2
Photo interrupter check mode
↓
Press the SHIFT button (right) DECK.

* Press the SHIFT button on the (left) DECK to go backward to the previous page.

Test Mode shift button (This applies to Test Mode ① and ②.)
Press the SHIFT button on the (left) DECK to go backward to the previous page.
Press the SHIFT button on the (right) DECK to move forward to the next page.

[To know what page you are testing in the Test Mode]

Page No., LED	Name of the test page
①-1	Version check mode
①-2	Check mode of the buttons, knobs, etc.
①-3	Factory reset mode
①-4	Voltage value display mode
①-5	Voltage value fluctuation range check mode
②-1	Measurement mode of the load of JOG dial
②-2	Photo interrupter check mode

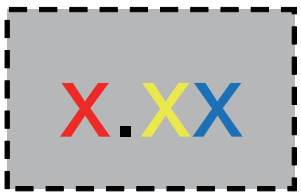
When you press the SHIFT button to enter the new test page, the LED corresponding to each page will blink red for a moment (for 1 to 2 seconds). After the "red-blinking" is over and the light is off, the testing of each page will start.

3. Description of Test Mode

①-1: Version check mode

This mode is to check the version of the firmware.
The version is displayed using the deck LEDs following red, yellow and blue frame border colors in triple-digit decimal number.

[Version dislay]



* When all horizontal LEDs are turned off, it means zero (0).

①-2: Check mode of the buttons, knobs, etc.

This mode is for confirming operation of all operating elements (buttons, knobs, etc.) located on the upper and front panels.

* Buttons except for the mode and PAD buttons : The light turns on when the button is pressed and goes off when the button is released.
  The mode and PAD buttons : The light turns on and off each time the button is pressed (toggle mode).

	Element type	UI Part Name	Trigger	LED to check
	Push switches (with LED)	————	Press	Own LED
	Push switches (w/o LED)	Brows button	Press	All LEDs light up -> all LEDs dimmer out -> Light off
		FX PANEL	Press	Left DECK ON1
		GRID ADJUST button (L/R)	Press	SLIP
		GRID SLIDE button (L/R)	Press	MASTER TEMPO
		SLICER CAPTURE button (L/R)	Press	QUANTIZE
		SHIFT button (L/R)	————	————
		BACK button	Press	SAMPLER SYNC
		TAG TRACK button	Press	SAMPLER CUE
		JOG (TOUCH)	Press	PLAY
	Push switches	INPUT SELECT SW	Slide	DECK1/2: JOG LED (red)
				DECK3/4: JOG LED (green)
				LINE/PHONO: JOG LED (blue)
		LINE/PHONO ASSIGN SW	Slide	LINE: JOG LED (purple)
				PHONO: JOG LED (yellow)
TYPE A	FX1_1 knob, FX1_2 knob, FX1_ 3knob, FX2_1 knob, FX2_2knob, FX2_3knob, NEEDLE SEARCH pad	————	Rotate (Slide)	TYPE A (*1)
TYPE B	JOG dial (rotation), RELEASE FX rotary, BROWSE rotary encoder	————	Rotate	TYPE B (*2)
TYPE C	TEMPO slider, channel fader, TRIM control,EQ(HI/MID/LOW) controls, FILTER control	————	Rotate (Slide)	TYPE C (*3)
TYPE D	MASTER VOL knob, BOOTH VOL knob, SAMPLER VOL knob, HP_MIX knob, Crossfader,HP_VOL knob, MIC VIL knob	————	Rotate (Slide)	TYPE D (*4)
	PAD, PAD mode (* 5)	————	Press	Own LED

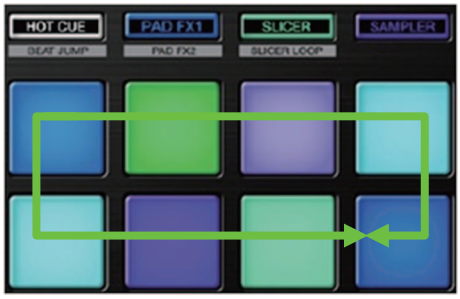
Basic rule: Except for TYPE B, the number of lighting LEDs will change based on the position of each control/fader.
(i.e., when the volume is minimum, no LED will light up; when the volume is maximum, all LEDs will light up.)

TYPE A (* 1)

The position (min. to max.) of the knob will be displayed using the following 4 LEDs: HOT CUE/PAD FX1/SLICER/SAMPLER. Starting from left, LEDs will light up according to the position of the knob/NEEDLE SEARCH right after each knob is rotated/NEEDLE SEARCH is touched.

TYPE B (* 2)

The position of the rotary encoder will be displayed using the following 8 LEDs.



TYPE C (* 3)

The position of the of the knob/fader will be displayed using the following 5 LEDs for each CH according to the move. The LEDs will light up according to the position of the knob/fader right after each knob is rotated/fader is moved.

TYPE D (* 4)

The position of the knob/fader will be displayed using the following LEDs for both CHs according to the move. The LEDs will light up according to the position of the knob/fader right after each knob is rotated/fader is moved.
* CROSS FADER: No LED will light up when it is in far right; All LEDs will light up when it is in far left.

①-3: Factory reset mode

The following settings will be reset back to the factory default by pressing and holding both of the SYNC buttons of the left and right DECKs for 1 sec.

#	Setting Item	Default Value
1	MIDI MODE	AUTO (Factory default) GenaralDJApp
2	Master attenuator level	0dB (Factory default) -3dB -6dB
3	Master Mono/Stereo switching	Stereo (Factory default) Mono
4	Booth attenuator level	0dB (Factory default) -3dB -6dB
5	Booth Mono/Stereo switching	Stereo (Factory default) Mono
6	Master peak limiter setting	Enable (Factory default) Disable
7	Mic peak limiter setting	Enable (Factory default) Disable
8	Demo mode	10 min. (Factory default) 5 min. 1 min. Off
9	Auto standby	Enable (Factory default) Disable

When the SYNC buttons on the both DECKs are pressed and hold at the same time, the LEDs of these buttons will light.
After the reset is complete, the PADs on the both DECKs will light in red.
When the reset failed, the SYNC buttons will flash.

Press and hold for 1 sec at the same time

①-4: Voltage value display mode

This mode is to monitor and indicate values of voltages (A/D conversion values) of various controls (faders and knobs).

[Controls to be tested]

The target controls of the test is faders and controls indicated in green in the figure below.
To change the target of the test, turn the rotary selector (BROWSE) clockwise or counterclockwise.

Rotary selector (BROWSE)

[Test procedures]

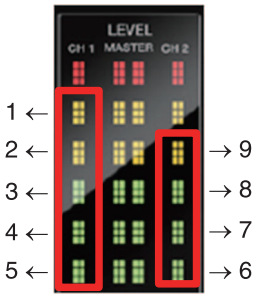
1. Select a test target by turning the rotary selector clockwise or counterclockwise.
   At the beginning of this test mode, the control numbered 1 is selected.
   As the rotary selector is turned by 1 click, the LED of the selected control will light in the order indicated below.
   Clockwise rotation: 1 → 2 → 3 → 4 → . . . . . → 26 → 27
   Counterclockwise rotation: 27 → 26 → 25 → . . . . . → 2 → 1

2. Which control is currently selected is indicated with lighting of the LED of the button corresponding to the selected control, as shown in the figure above.
   The LED with a number colored white corresponds to the control having the same number.

3. After the control to be tested is selected, press the rotary selector to start monitoring the A/D conversion values.
   The reference value is the A/D conversion value monitored immediately after the monitoring started.
   * The A/D conversion values being monitored are raw data.

4. The A/D conversion values being monitored are indicated with the CH level indicator.
   The value range that can be displayed is from 0 to 1023.

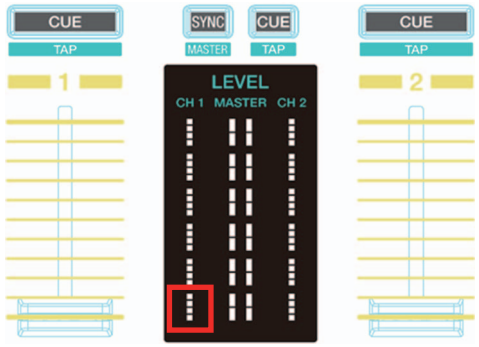
[How to check the CH level indicator]



* When all LEDs of the CH level indicator is turned off, it means zero (0).

[Display of the 1st digit]

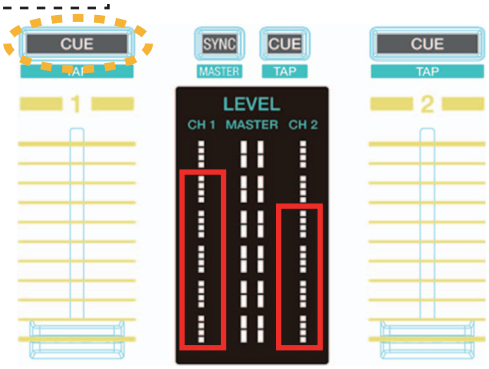
XXXX HP CUEs and CH Level indicators are all turned off



[Display of the 2nd digit]

XXXX

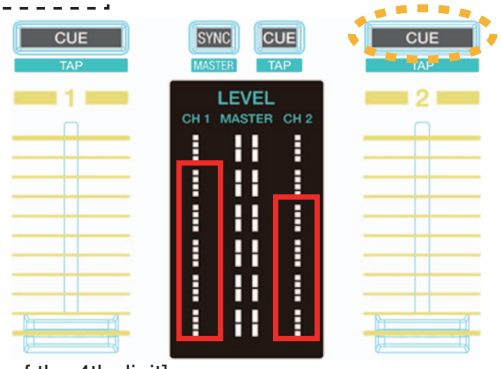
2 sec laters



[Display of the 3rd digit]

XXXX

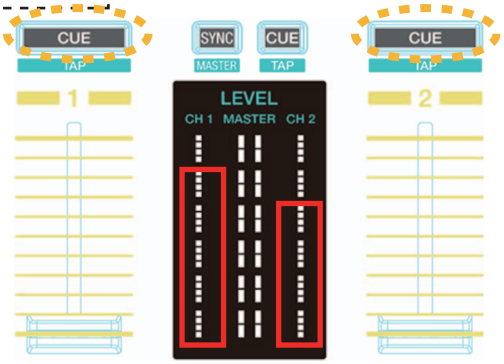
2 sec laters



[Display of the 4th digit]

XXXX

2 sec laters



2 sec laters

①-5: Voltage value fluctuation range check mode

This mode is to monitor and indicate values of voltages (A/D conversion values) of various controls (faders and knobs).

[Controls to be tested]

The target controls of the test is faders and controls indicated in green in the figure below.
To change the target of the test, turn the rotary selector (BROWSE) clockwise or counterclockwise.
To start monitoring or reset an A/D conversion value, press the SHIFT button once move to another mode.
It will return again to this mode.

Rotary selector (BROWSE)

[Test procedures]

1. Select a test target by turning the rotary selector clockwise or counterclockwise.
   At the beginning of this test mode, the control numbered 1 is selected.
   As the rotary selector is turned by 1 click, the LED of the selected control will light in the order indicated below.
   Clockwise rotation: 1 → 2 → 3 → 4 → . . . . . → 26 → 27
   Counterclockwise rotation: 27 → 26 → 25 → . . . . . → 2 → 1

2. Which control is currently selected is indicated with lighting of the LED of the button corresponding to the selected control, as shown in the figure above.
   The LED with a number colored white corresponds to the control having the same number.

3. After the control to be tested is selected, press the rotary selector to start monitoring the A/D conversion values.
   The reference value is the A/D conversion value monitored immediately after the monitoring started.
   * The A/D conversion values being monitored are raw data.

4. The A/D conversion values being monitored are indicated with the CH level indicator.
   If no fluctuations from the reference A/D value are monitored, all LEDs of the level indicator remain unlit.
   In response to fluctuations from the reference A/D conversion value, the corresponding LEDs light.

   After starting measurement. all A/D values of the controls are monitored and the result is displayed as described in the following table. If you wish to measure again, press the SHIFT button once move to another mode.
   It will return again to this mode, then push the rotary selector (BROWSE).

   * Lighting status of the level indicator shows that of the maximum value of plus and minus direction.

	1	+4 from the reference value A/D conversion value	The 1st to be lit from the bottom of the right CH level indicator.
	2	+8 from the reference value A/D conversion value	The 1st - 2nd to be lit from the bottom of the right CH level indicator.
	3	+12 from the reference value A/D conversion value	The 1st - 3rd to be lit from the bottom of the right CH level indicator.
	4	+16 from the reference value A/D conversion value	The 1st - 4th to be lit from the bottom of the right CH level indicator.
	5	over +20 From the reference value A/D conversion value	The 1st - 5th to be lit from the bottom of the right CH level indicator.
	6	-4 from the reference value A/D conversion value	The 5th to be lit from the bottom of the left CH level indicator.
	7	-8 from the reference value A/D conversion value	The 4th - 5th to be lit from the bottom of the left CH level indicator.
	8	-12 from the reference value A/D conversion value	The 3rd - 5th to be lit from the bottom of the left CH level indicator.
	9	-16 from the reference value A/D conversion value	The 2nd - 5th to be lit from the bottom of the left CH level indicator.
	10	under -20 From the reference value A/D conversion value	The 1st - 5th to be lit from the bottom of the left CH level indicator.

②-1: Measurement mode of the load of JOG dial

This mode is to measure the load of JOG dial. When the measurement mode starts,
SLIP REVERSE of the left DECK will light up.
When the JOG dial is rotated swiftly, measurement for the top speed and the time required for slowdown will begin.
When the rotation speed of the Jog dial exceeds 7 times normal speed, the time required for slowdown will be assessed whether it is in the range or not. The result will be displayed on LED.

Top speed	: when normal speed is defined as one rotation in 1.8 sec
Time required for slowdown	: Time required for the jog dial to decrease its rotation speed

Operation procedures

1. Spin the Jog dial swiftly.
   To start measurement, the maximum Jog rotation speed must be 7 times normal speed or higher.
   If the maximum speed does not reach 7.0 times normal speed, MASTER TEMPO will blink several times.

2. The number of sessions will be displayed up to four sessions on LED as follows.

The end of 1st session	AUTO BEAT LOOP lighting
The end of 2nd session	1/2X + 2X lighting
The end of 3rd session	IN + OUT lighting
The end of 4th session	PARAMETER < + > lighting

3. The result will be displayed on LED.

OK	[AUTO] LED is turned on
NG (failed)	[TAP] LED is turned on.

4. When the measurement is failed, PAD LED indicates as follows.

NG (Heavy)	FX[1] lightin
NG (Light)	FX[3] lighting

The number of measurement sessions executed is displayed up to 4 sessions.
The measurement can be continued 5 sessions and more, however the number of sessions will not be displayed.
When the session ended, an average is taken each time and the result will be displayed on LED.
Regulation value is 100 ± 40 [msec]. (The specification is subject to change.)

The measurement result

You can check the measurement result using "JOG_Checker.exe".

②-2: Photo interrupter check mode

This mode is to check the status of Photo interrupter.
When the measurement mode starts, SLIP REVERSE of the right DECK will light up.

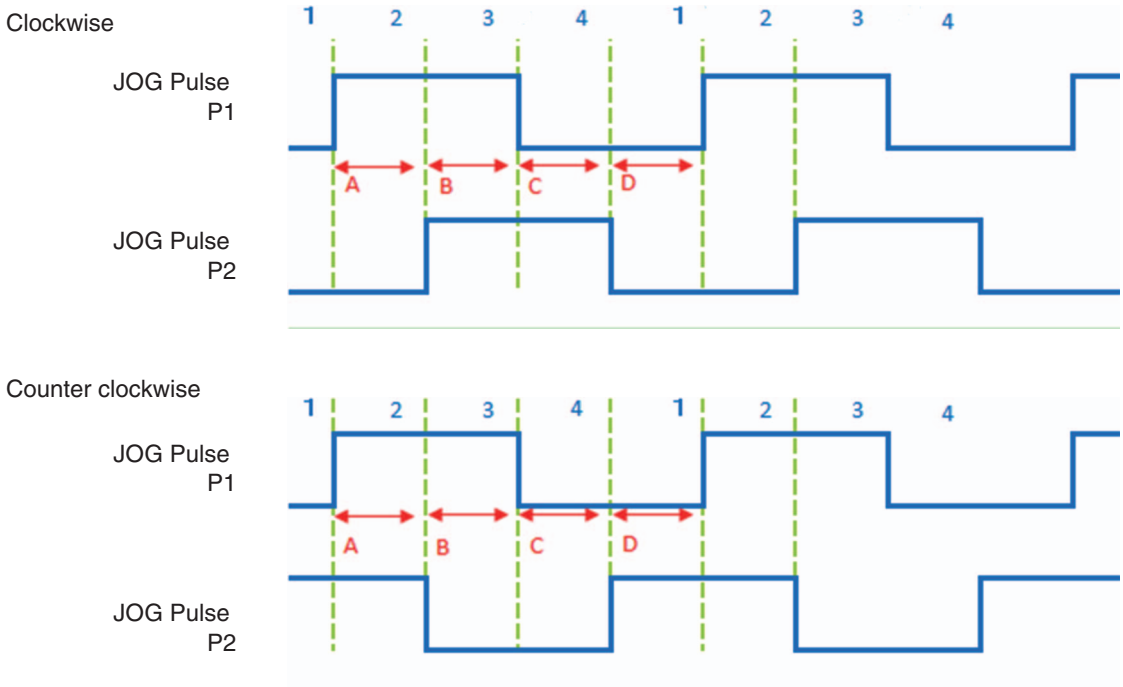
Operation procedures

1. Spin the Jog dial swiftly.
   To start measurement, the maximum Jog rotation speed must be 10 times normal speed or higher.
   If the maximum speed does not reach 10 times normal speed, no result will be displayed.

2. The number of sessions will be displayed up to four sessions on LED as follows.

The end of 1st session	AUTO BEAT LOOP lighting
The end of 2nd session	1/2X + 2X lighting
The end of 3rd session	IN + OUT lighting
The end of 4th session	PARAMETER < + > lighting

3. If the measurement result is OK, [AUTO] LED is turned on.
   If the measurement is failed, [TAP] LED is turned on.



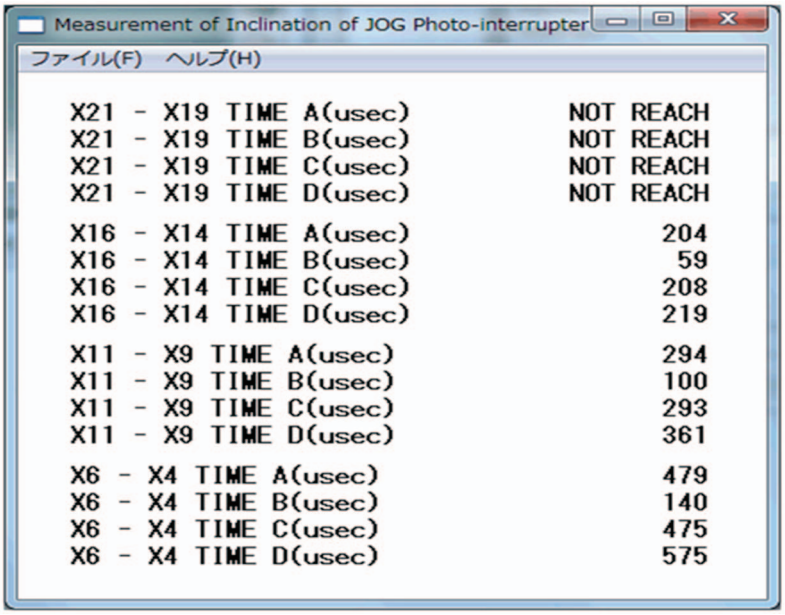
Time A - D will be memorized in each range of the speed: x21~x19/ x16~x14/ x11~x9/ x6~x4.

OK When phase relation is normal, and the minimum value of all the A -D is 10 usec or greater, and the time of [x11~x9] (clockwise: "D"; counterclockwise: "C") is 200 usec or greater. -----[AUTO] lighting

NG When none of these conditions described above is not satisfied. ------[TAP] lighting

The measurement result

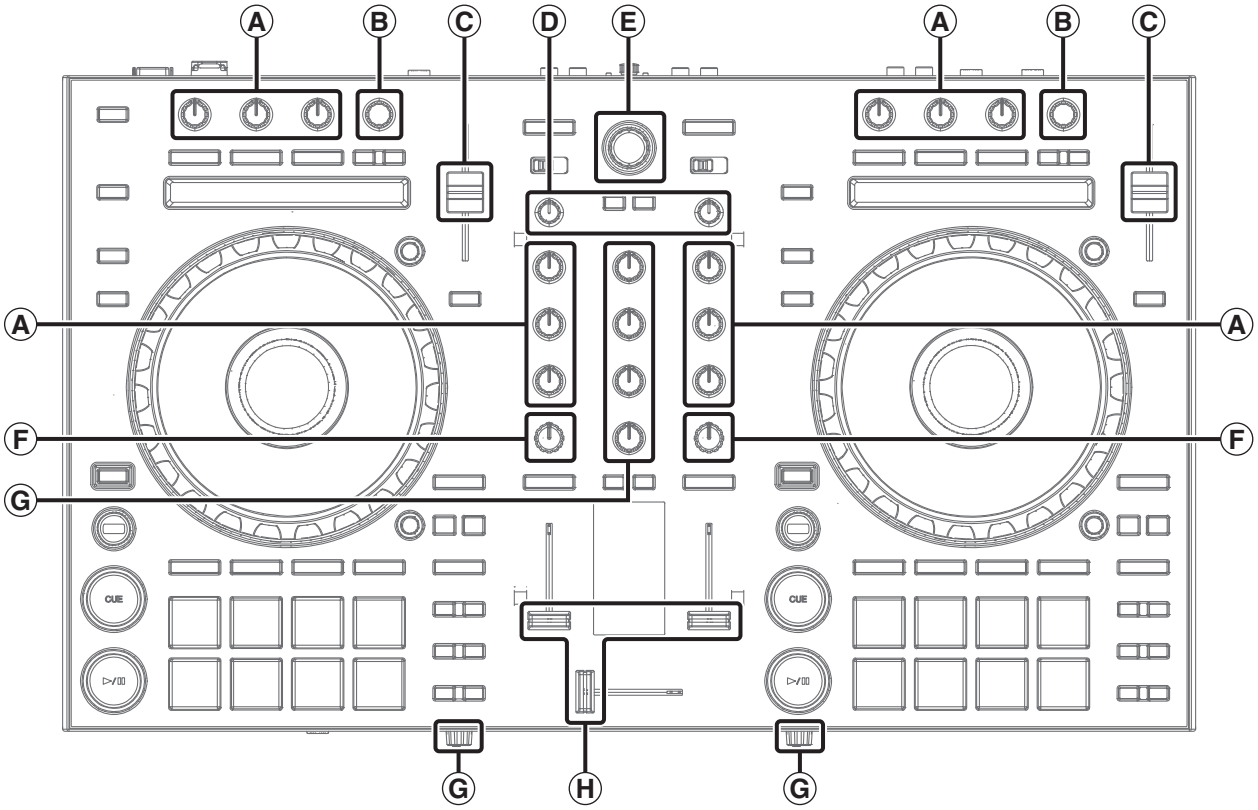
It is able to check the measurement result using "JOG_PhotoInterrupter2.exe".

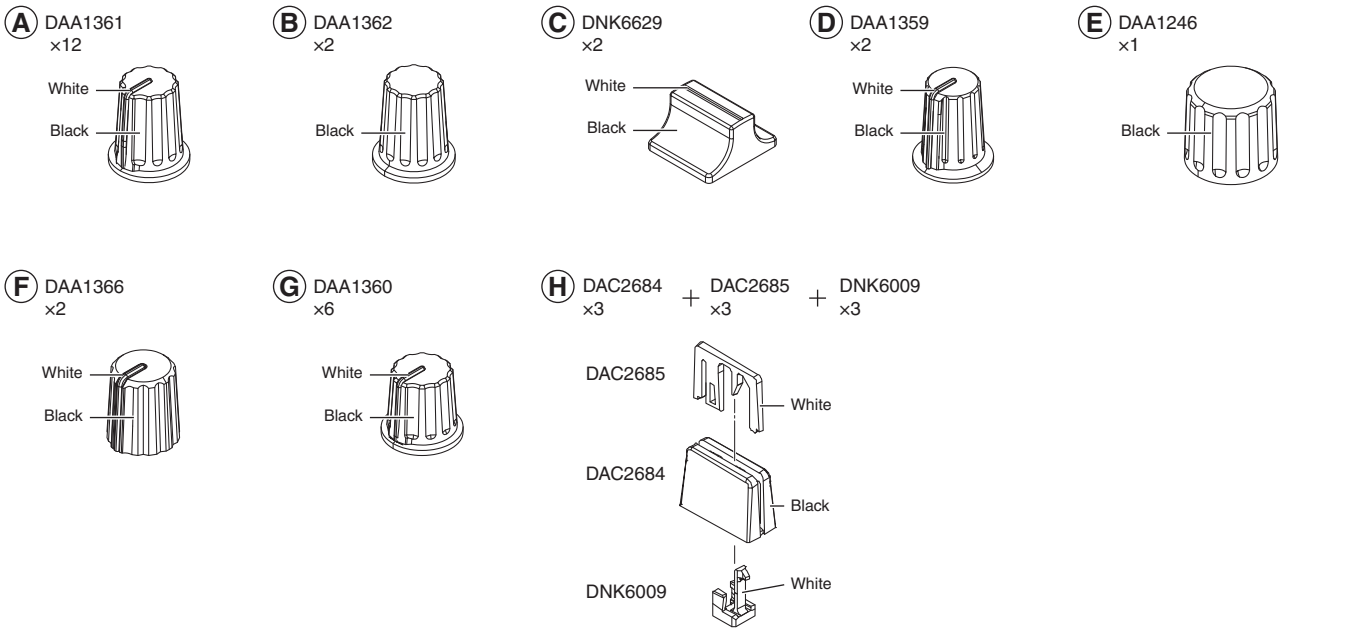


7. DISASSEMBLY

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





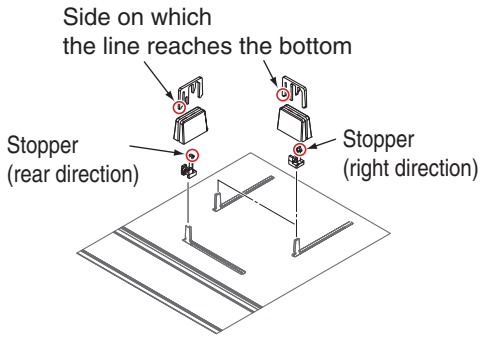
Disassembly

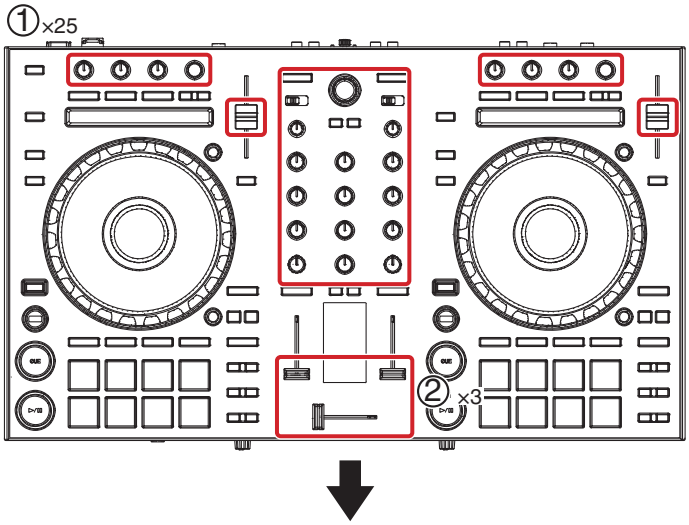
[1] Each PCB Assemblies

• Exterior Section

(1) Remove the all knobs.
(2) Remove the 3 Silider knobs 2, 3 Slider knobs 1, and 3 Stoppers/SLD.
(See below.)

The reference of the direction

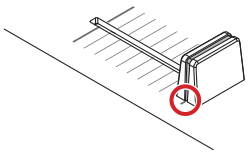




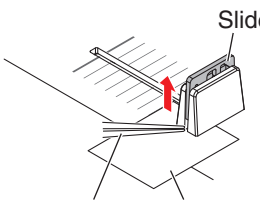
• Disassembly of the slider knob

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.

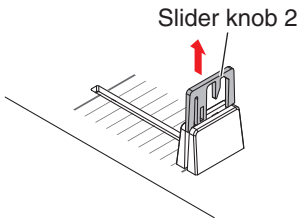
① Find the side on which the line reaches the bottom.



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.

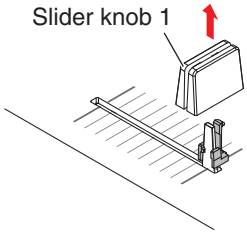


③ Remove the Slider knob 2.

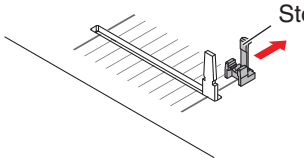


*: During reassembly, fully push down Slider knob 2 until it is dented into Slider knob 1.

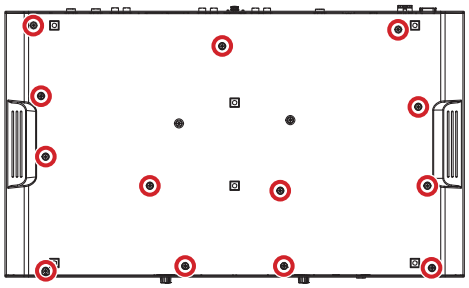
④ Remove the Slider knob 1.

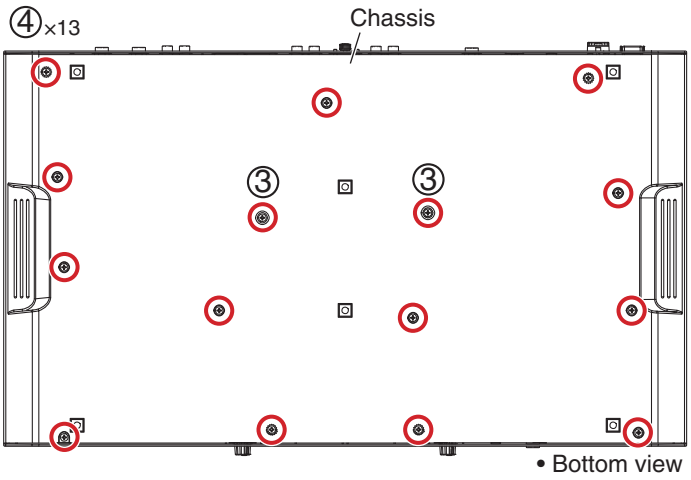


⑤ Remove the Stopper/SLD.



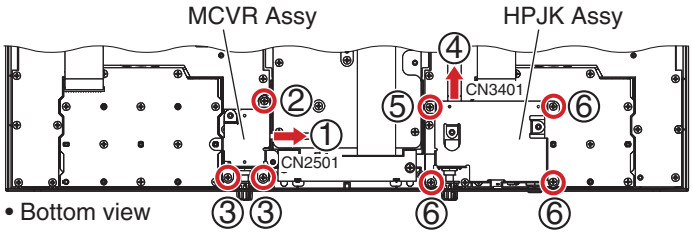
(3) Remove the 2 screws.
(BBZ30P080FTB)
(4) Remove the Chassis by removing the 13 screws.
(BPZ30P100FTB)



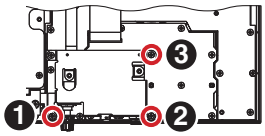


• MCVR and HPJK Assemblies

(1) Disconnect the 1 flexible cable.
(CN2501)
(2) Remove the 1 screw.
(BBZ30P060FTC)
(3) Remove the MCVR Assy with Stay by removing the 2 screws.
(BPZ30P080FNI)
(4) Disconnect the 1 flexible cable.
(CN3401)
(5) Remove the 1 screw.
(BBZ30P060FTC)
(6) Remove the HPJK Assy with Stay by removing the 3 screws.
(BPZ30P080FNI)



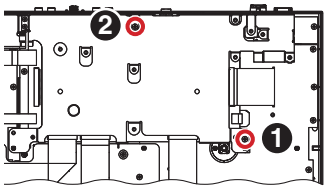
Screw tightening order

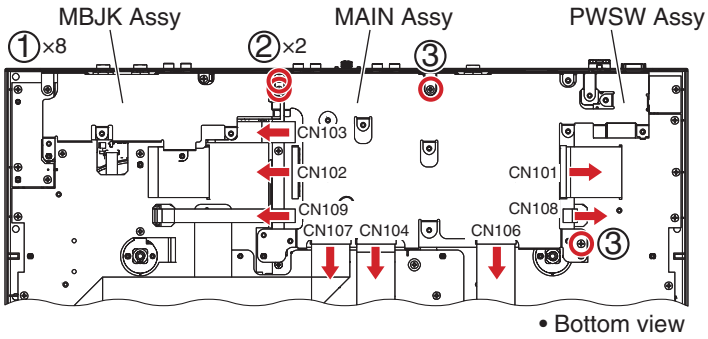


• MAIN and PWSW Assemblies

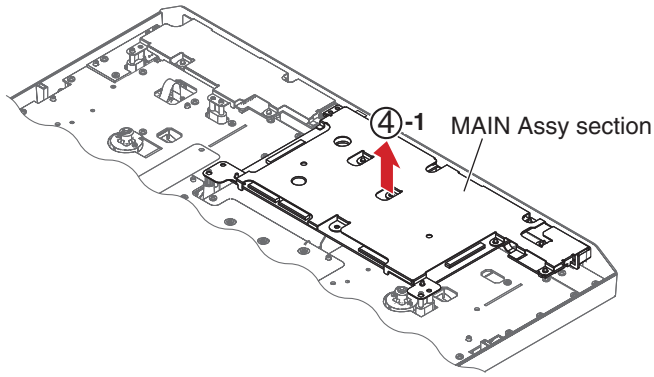
(1) Disconnect the 8 flexible cables.
(CN101-104, 106-109)
(2) Remove the 2 screws.
(BBZ26P060FTB)
(3) Remove the 2 screws.
(BPZ30P080FNI)

Screw tightening order



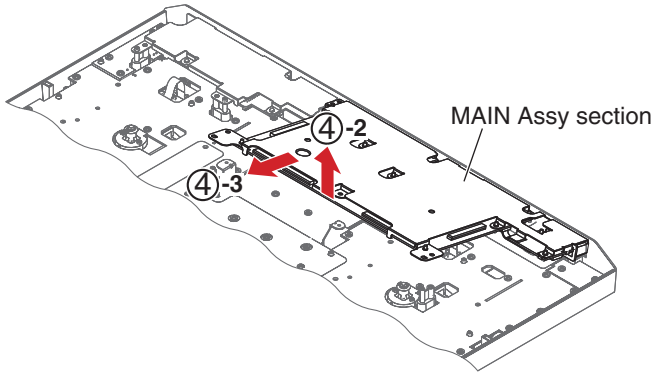


(4-1) Pull up on the MAIN Assy as much as possible, keeping it in a horizontal position (the Assy actually can be lifted slightly).

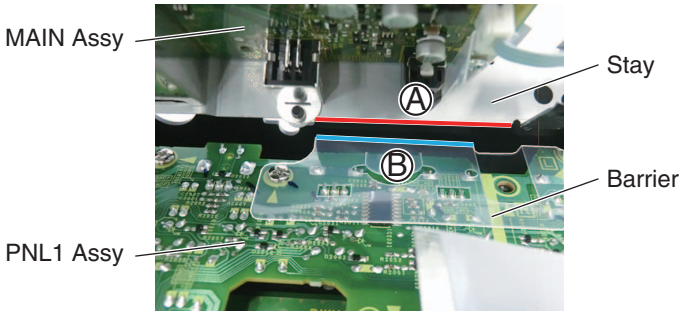


(4-2) While keeping the MAIN Assy in the position of Step (4-1), raise the front side of the MAIN Assy.

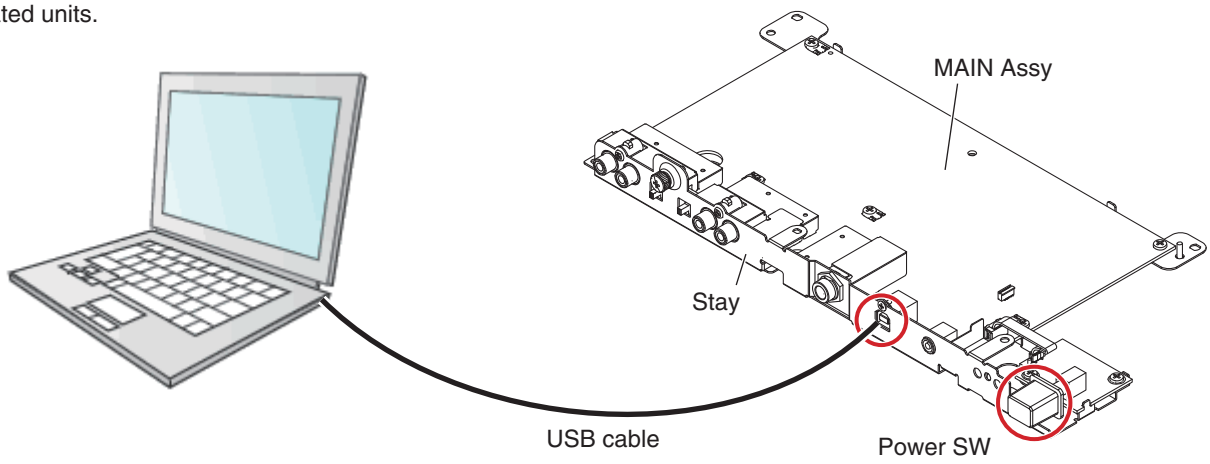
(4-3) Pull out the MAIN Assy, while raising its front side upward.



Note:
Be sure to detach the MAIN Assy as indicated in the above procedure. Otherwise, its detachment may be hampered by interference between edge Ⓐ of the stay and outer line Ⓑ of the bending portion.



How to diagnose the MAIN Assy
Connect the MAIN Assy (included PWSW Assy) to the PC with USB cable directly, which is removed with the stay as integrated units.

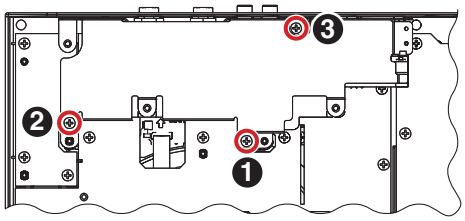


A

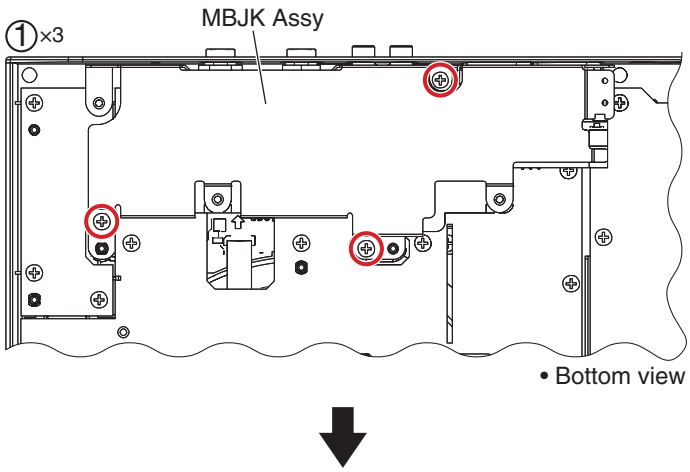
• MBJK Assy

(1) Remove the MBJK Assy with stay by removing the 3 screws.
(BPZ30P080FNI)

Screw tightening order



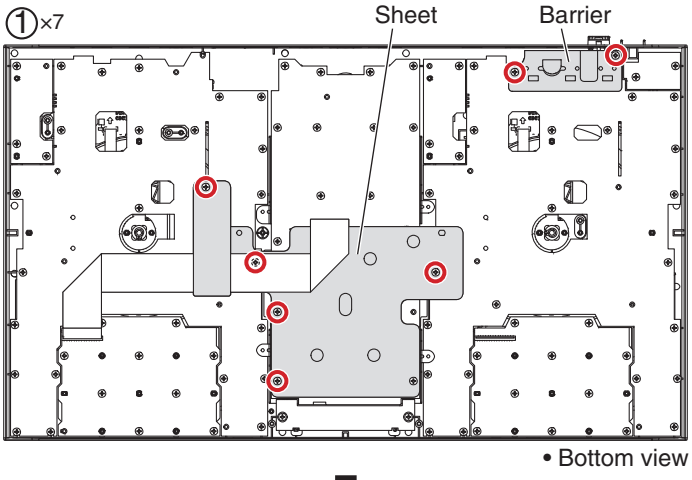
B



• PAD, PNL1, PNL2, MIXR and CDC Assemblies

(1) Remove the Sheet and Barrier by removing the 7 screws.
(BPZ30P080FNI)

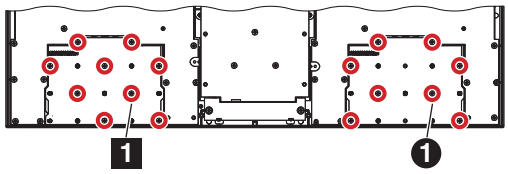
C



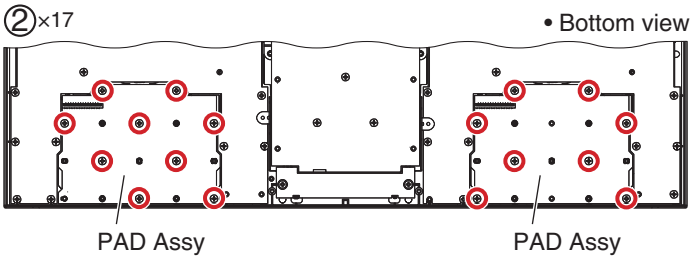
D

(2) Remove the 2 PAD Assemblies by removing the 17 screws.
(BPZ30P080FNI)

Screw tightening order



E

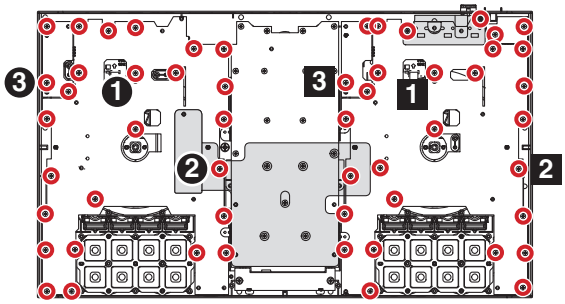


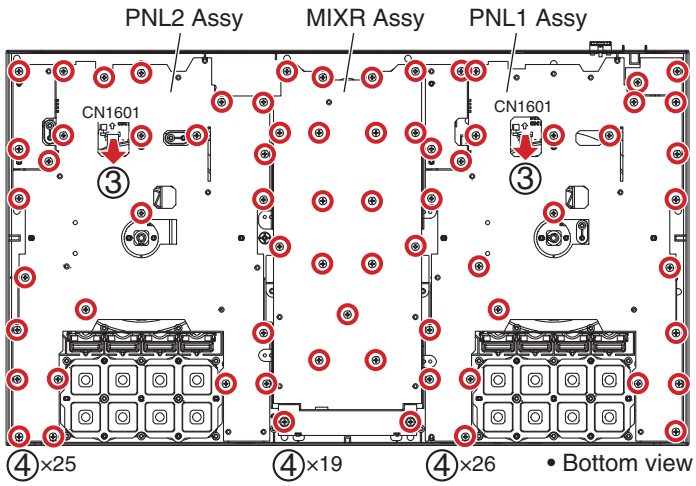
F

(3) Disconnect the 2 flexible cables. (CN1601)
(4) Remove the PNL1, PNL2 and MIXR Assemblies by removing the 70 screws. (BPZ30P080FNI)

Screw tightening order

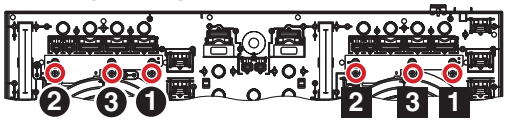
The other screws are random order.

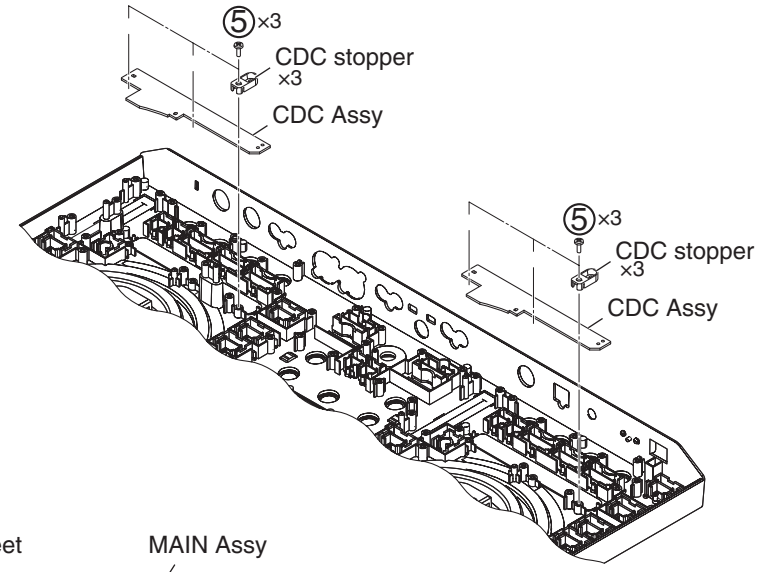




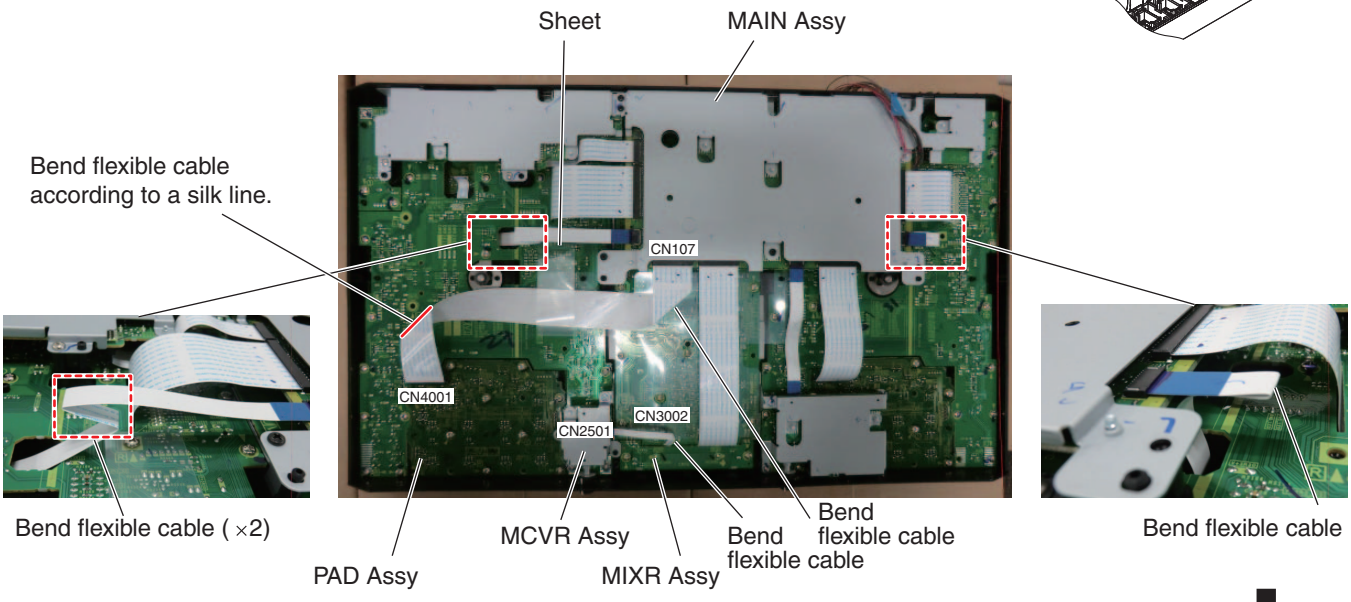
(5) Remove the 2 CDC Assemblies by removing the 6 screws. (BPZ30P080FNI)

Screw tightening order





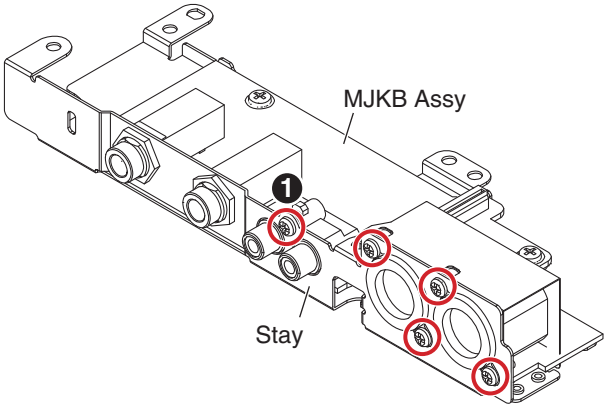
Flexible cables styling



Reference information

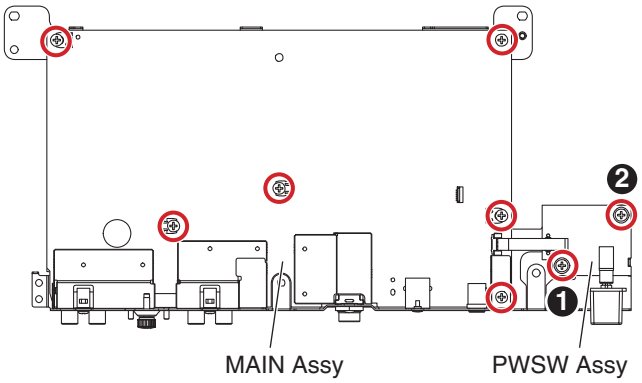
Screw tightening order (MJKB Assy)

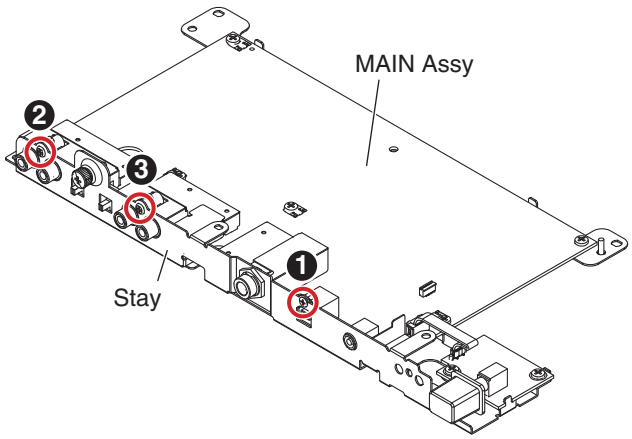
The other screws are random order.



Screw tightening order (MAIN and PWSW Assemblies)

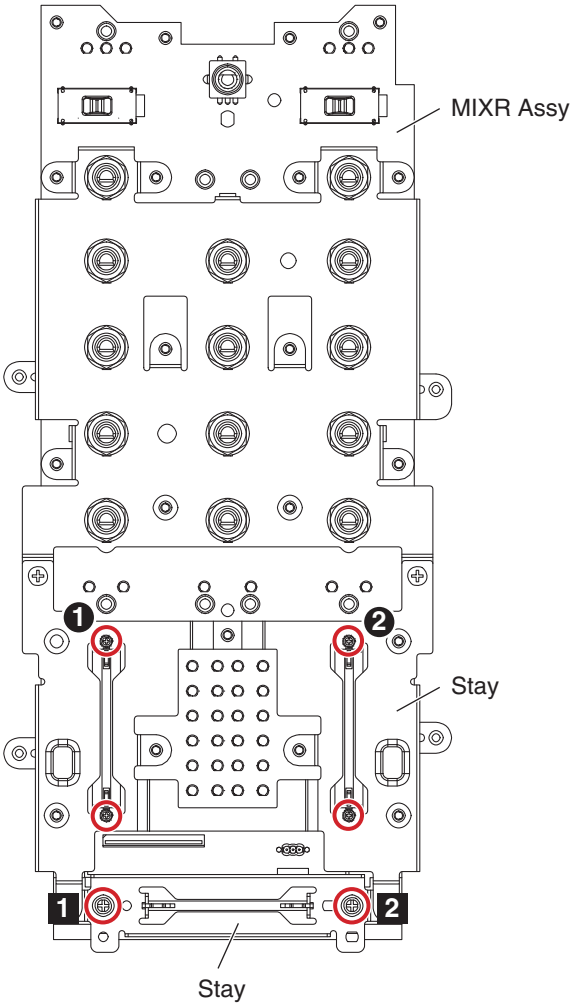
The other screws are random order.





Screw tightening order (MIXR Assy)

The other screws are random order.



[2] Jog dial Section

Note:
When you remove the Jog dial section, it is not necessary to remove the each PCB Assemblies.
A figure is only Right DECK side, but the left DECK side is similar, too.

Remove the chassis by removing the 15 screws.
(BBZ30P080FTB, BPZ30P100FTB)

• Jog dial Section

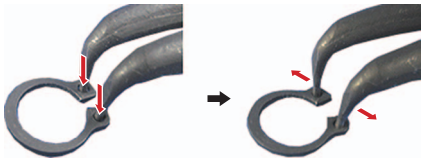
(1) Remove the 1 washer.
(YC60FAC)
(2) Remove the 1 washer.
(WA62D120D050)
(3) Remove the Jog dial section.
(4) Remove the 1 washer.
(WA62D120D050)

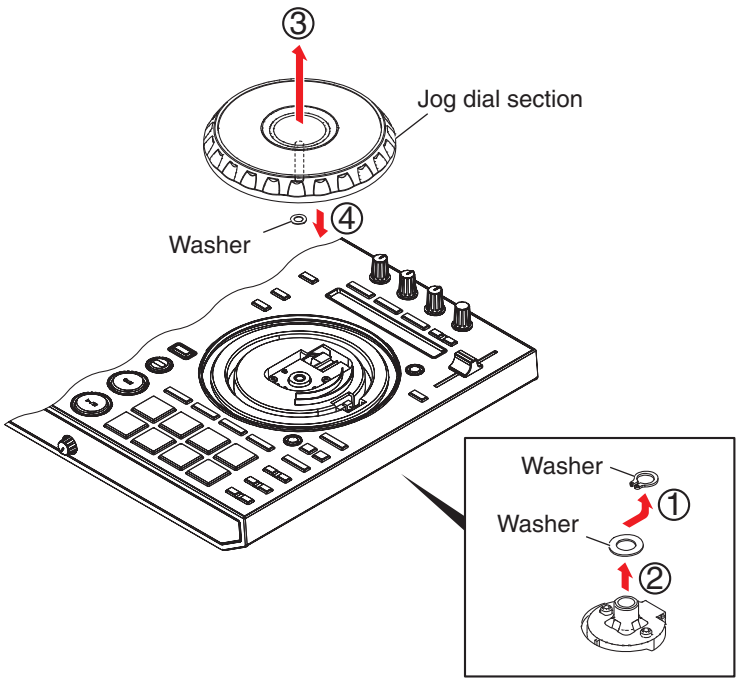
* When you reassemble the Jog dial section, work on grease application according to "Procedure for applying grease during reassembly of the Jog dial" of the next clause.

For Disassembly/Assembly of Washer (① : YC60FAC)

Please use the jig. (Recommend Snap ring pryor.)

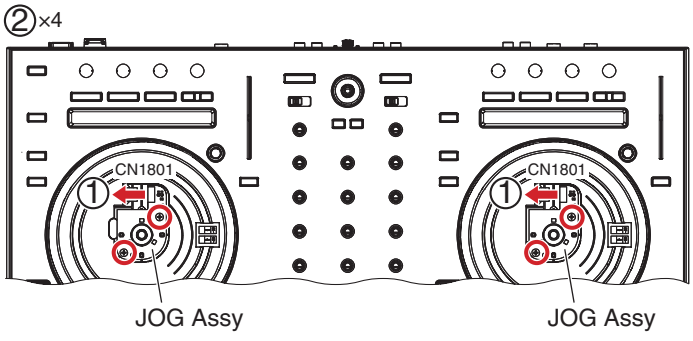
Insert the jig in the hole. Open the jig.





• JOG Assy

(1) Disconnect the 2 flexible cables.
(CN1801)
(2) Remove the 2 JOG Assemblies by removing the 4 screws.
(BPZ30P080FNI)

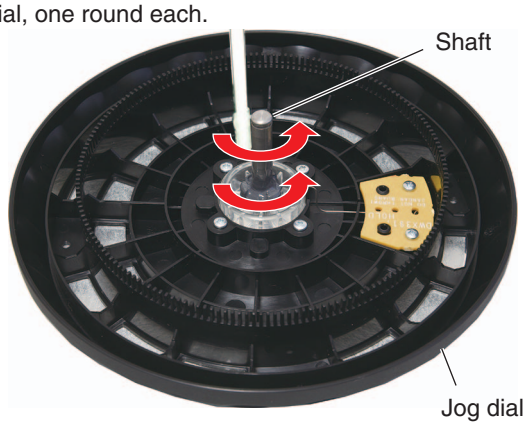


Procedure for applying grease during reassembly of the Jog dial

[Cases where the Jog dial is required to be detached]
- When the Jog dial is to be replaced
- When the control panel is to be detached for replacement

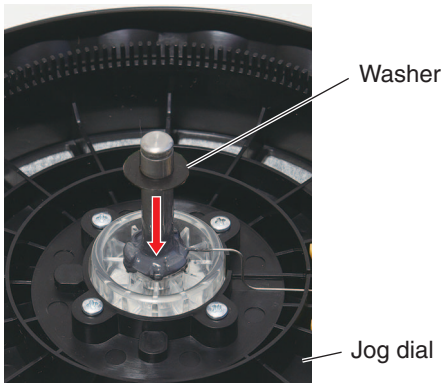
After the control panel is detached, carefully wipe off the grease from the Jog dial, as well as from the shaft bearing, then apply new grease, in the following manner:
Grease to be used: GEM1100

(1) Apply grease to the tip and base of the shaft of the Jog dial, one round each.



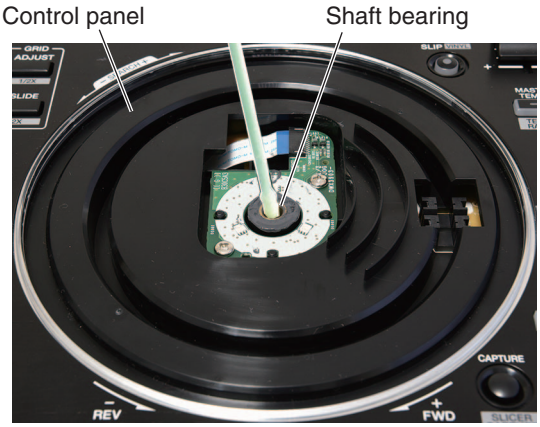
• Bottom view

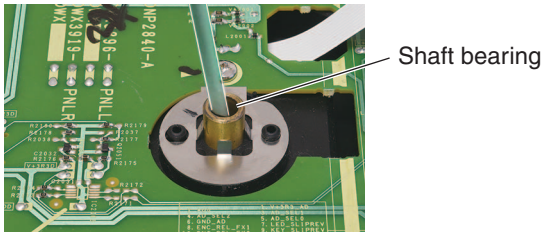
(2) Put a washer (WA62D095D050) on the shaft and place it at the base of the shaft.



• Bottom view

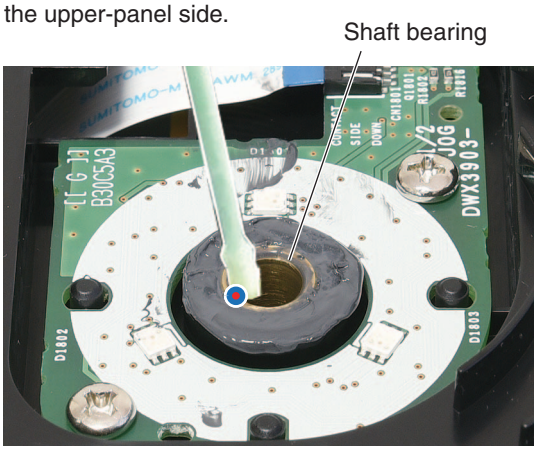
(3) Apply grease lightly to the shaft bearing of the control panel up to a depth of approximately 10 mm from the upper-panel side. Then turn the control panel over and apply grease from the opposite side in the same manner.





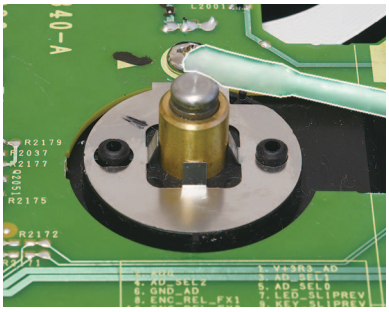
• Bottom view

(4) Turn the control panel over again then apply a small amount of grease to one point of the shaft bearing on the upper-panel side.



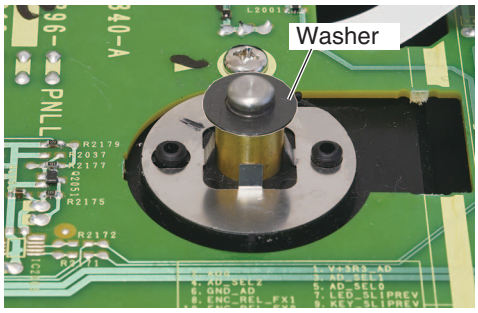
(5) Insert the Jog dial in the shaft bearing while turning it.

(6) Turn the control panel over then wipe off the excess grease.



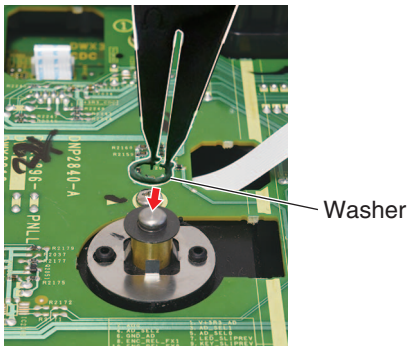
• Bottom view

(7) Put the washer (WA62D095D050) on the shaft.



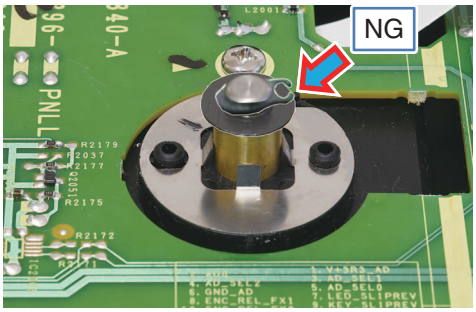
• Bottom view

(8) Put the washer (YC60FAC) on the groove of the shaft.



• Bottom view

The washer must be properly fit with the groove.



• Bottom view

(9) Turn the control panel over then check that the Jog dial rotates properly.

(10) Perform manual running-in rotations of the Jog dial, as indicated below.

① Turn the Jog dial manually 50 rotations.

② Perform failure judgment of the Jog dial.
For details on the measurement method, see "②-1: Measurement mode of the load of JOG dial" in "6. SERVICE MODE."

③-1 In a case of failure because of excessive load, repeat the following procedure until a good result is obtained in failure judgment.
Manually turn the Jog dial 50 rotations then perform failure judgment of the Jog dial again.

③-2 In a case of failure because of insufficient load, apply grease again.
(Repeat the above procedures from Step (1).)

Note:
After disassembly, be sure to wipe off any externally accessible grease.

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

After repairing, be sure to check the version of the firmware, and if it is not the latest one, update to the latest version.
Perform the each item when the following parts are replaced.

• PCB Assy storing firmware and utility settings IC602 (MAIN Assy)	⇒ • Confirmation of the version of the firmware • Updating to the latest version of the firmware • Be changed user setting to condition before the repair (when be possible)
• JOG Assy	⇒ • Confirmation of the specified value by the mode which measures rotary decline time of the jog dial
• PC2001, PC2002 (PNL1 Assy, PNL2 Assy)	⇒ • Refer to “6 SERVICE MODE” ②-2: Photo interrupter check mode

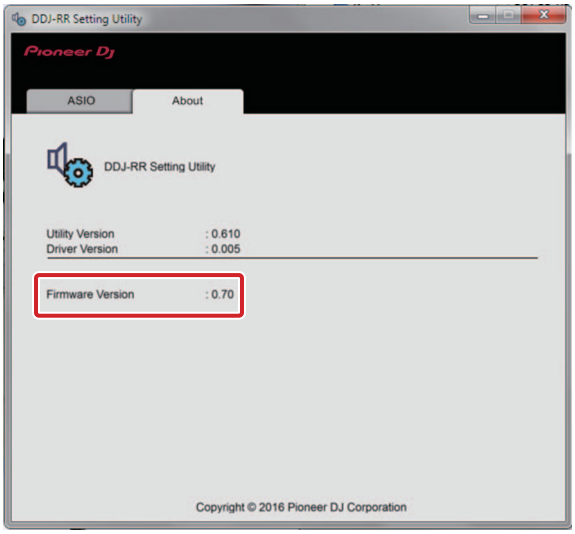
8.2 UPDATING OF THE FIRMWARE

A. Check the current DDJ-RR version.

1. Connect your computer with DDJ-RR.

2. Start the Setting Utility on your PC, as follows:
   With Windows OS:
   Select Start, All Programs, Pioneer, DDJ-RR, then the DDJ-RR Setting Utility.
   With Mac OS:
   Select Applications, Pioneer, DDJ-RR, then the DDJ-RR Driver version display Utility.

3. Check the firmware version.
   If the firmware version displayed on the About tab is x.xx.



B. Check the downloaded file.

1. Unzip the downloaded file.
   For Windows:
   Save the downloaded file [DDJ-RR_vxxx_Win_E.zip] to an arbitrary directory such as desktop and unzip it.

   For MacOS:
   Save the downloaded file [DDJ-RR_vxxx_Mac_E.dmg] to an arbitrary directory such as desktop and double click to mount it.

2. Check the unzipped file.
   For Windows:
   The [DDJ-RR_vxxx_Win_E] folder is generated when the file is unzipped.
   Please ensure the following file is included in the folder.
   ① [DDJ-RR_vxxx.exe]
   ② [DDJ-RR_update_manual_e.pdf]

   For MacOS:
   The [DDJ-RR_vxxx_Mac_E] folder is generated when the file is extraced.
   Please ensure the following file is included in the folder.
   ① [DDJ-RR_vxxx.app]
   ② [DDJ-RR_update_manual_e.pdf]

• xxx is the version of the new firmware.
• Extension (.exe or .app) might not be shown depending on your computer settings.

C. Set up DDJ-RR for updating:

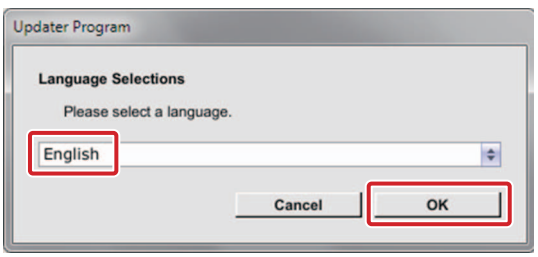
1. Connect the DDJ-RR to the computer with USB cable.
2. Go into update mode.
   While holding [Left DECK SYNC] and [Left DECK SHIFT] buttons, press the STANDBY/ON switch.
   The right side top- LED of the CH level indicator blinks when in the update mode.

D. Update the firmware from your computer:

1. Start updating your firmware.
   Close all the applications before you start updating.

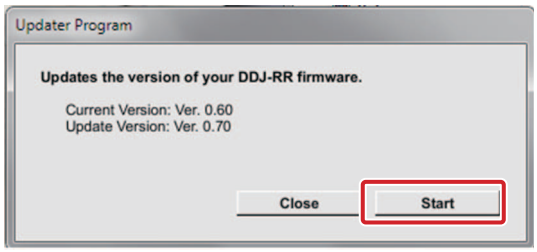
<STEP1> Start the updater program.
For Windows:
Double click [DDJ-RR_vxxx.exe] to start the updater program.
For MacOS:
Double click [DDJ-RR_vxxx.app] to start the updater program.

<STEP2> Select a language.
Select a language from the dropdown list and click [OK].
The figure below shows selecting English.

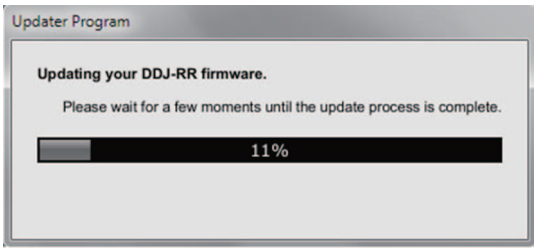


· If the message "Your DDJ-RR is not connected" is displayed when you click on [OK], see "Corrective actions to be taken when 'Your DDJ-RR is not connected' is displayed:" described later.

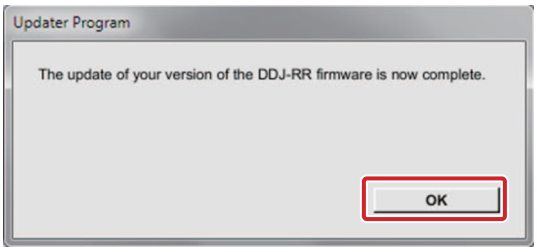
<STEP3> Check the version.
Ensure that the version for this update is x.xx and click [Start].
The figure below shows an example.
DO NOT remove the USB cable during updating.
Use the AC adapter when a notebook computer is used.



Update screen during updating
Please wait until the progress bar on the screen reaches 100%.



<STEP4> Update screen when the update is completed
Make sure that the update process has been completed.
When the following “Update completed” message appears, click [OK].

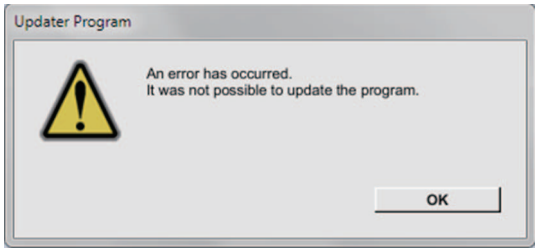


<STEP5> Restart DDJ-RR.
Please turn off the power of DDJ-RR and then turn it on again.

E. Check the current version.

Check the firmware version of DDJ-RR in the same procedure with "A. Check the current DDJ-RR version.".
Update is completion if you consist in the version that a firmware version wants to update.

If updating failed:
If the error message shown below is displayed during updating, disconnect the USB cable then proceed with the steps from the beginning.



Corrective actions to be taken when "Your DDJ-RR is not connected" is displayed:
If "Your DDJ-RR is not connected" is displayed after selection of the language, check the following:

- Is the USB cable connected to the computer?
  If it is not, connect the cable to the computer then perform the updating procedure again.
- If the above-mentioned message is displayed even if the USB cable is connected to the computer, perform the updating procedure indicated below.
  ① Uninstall the DDJ-RR driver software.

[How to uninstall the DDJ-RR driver software]
With Windows OS:
Click on Start, Control Panel, Programs, Programs and Functions, Pioneer DDJ-RR Driver, then Uninstall.

With Mac OS:
Double-click on the driver-software icon then double-click on "DDJ-RR Uninstaller.app."
Follow the instructions displayed on the screen of the PC.

Visit the Website indicated below to download the latest version of the driver software:
http://pioneerdj.com/support/index.php?lang=ja

② Update the firmware again.
③ After updating of the firmware is completed, install the driver software again.
For details on how to install the driver software, refer to the operating instructions of the DDJ-RR.

[Reference Information]
You can run this updater program only on the following OS:
Windows: Windows 10/ Windows 8.1/ Windows 7
MacOS: OS X 10.11/ 10.10/ 10.9

It will take approximately 1 minutes to complete the update process.

The screen displays shown in this manual are under development and are subject to change.

8.3 ITEMS FOR WHICH USER SETTINGS ARE AVAILABLE

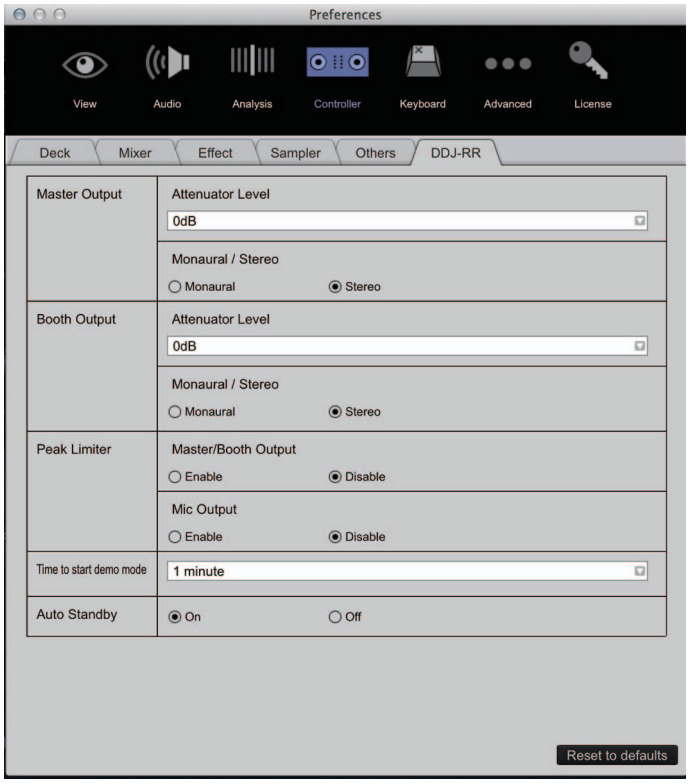
This unit is provided with user settable items, as shown below.
Although no serious operational problems occur even if data for such user settable items are cleared during repair, it is recommended that you take note of those settings before starting repair.
Use the Check Sheet, to which you can transcribe the settings.
If the corresponding part or board Assy is replaced for repair, change the user resettable settings to those noted on the Check Sheet before starting repair. If resetting is not possible, when returning the repaired product, be sure to tell the customer that the Utility settings have been cleared and will have to be reset, as required.

Item for Which User's Setting is Available		Setting Value (The factory default settings are indicated in bold.) / Indication method	Part Name	Content to be Stored
Utilities modes	MIDI controller setting	**AUTO**/ Compulsion (GeneralDJApp)	IC408 (MAIN Assy)	Utility setting
		[MASTER TEMPO]button off / [MASTER TEMPO]button lit		
rekordboxdj GUI setting	Master Attenuator Level setting	**0dB**/ -3dB/ -6dB		
	Master output monaural/stereo selection	Monaural/ **Stereo**		
	Booth Attenuator Level setting	**0dB**/ -3dB/ -6dB		
	Booth output monaural/stereo selection	Monaural/ **Stereo**		
	Master/Booth output peak limiter setting	**Enable**/ Disable		
	Microphone Output Peak Limiter setting	**Enable**/ Disable		
	Demo Mode Start Duration setting	OFF/ 1 minute/ 5 minute/ **10 minute**		
	Auto standby setting	**On**/ Off		

Each of the above items can be set in Utility mode or rekordboxdj GUI mode.
To enter Utility mode, disconnect the USB cable from the PC then press the STANDBY/ON switch on the rear panel of this unit to set it to Standby. Then while holding the SHIFT and PLAY/PAUSE buttons on the left deck pressed, press the STANDBY/ON switch to set it to ON. (For details, refer to the operating instructions of the unit.)

Although the setting items except MIDI controller setting is changed on rekordboxdj GUI [DDJ-RR] tab, only items in the [DDJ-RR] tab, the setting data is stored in the DDJ-RR unit. Therefore, if the MAIN ASSY (FLASH memory mounted) is replaced, the setting value is returend to the initial data. It is necesary to reset the user setting data.
The picture next page is rekordboxdj GUI [DDJ-RR] tab setting.

[rekordboxdj GUI [DDJ-RR] tab setting]



Sheet for confirmation of the user setting

MIDI controller setting		Master Attenuator Level setting			Master output monaural/ stereo selection	
Auto	Compulsion (GeneralDJApp)	0 dB	-3 dB	-6 dB	Monaural	Stereo

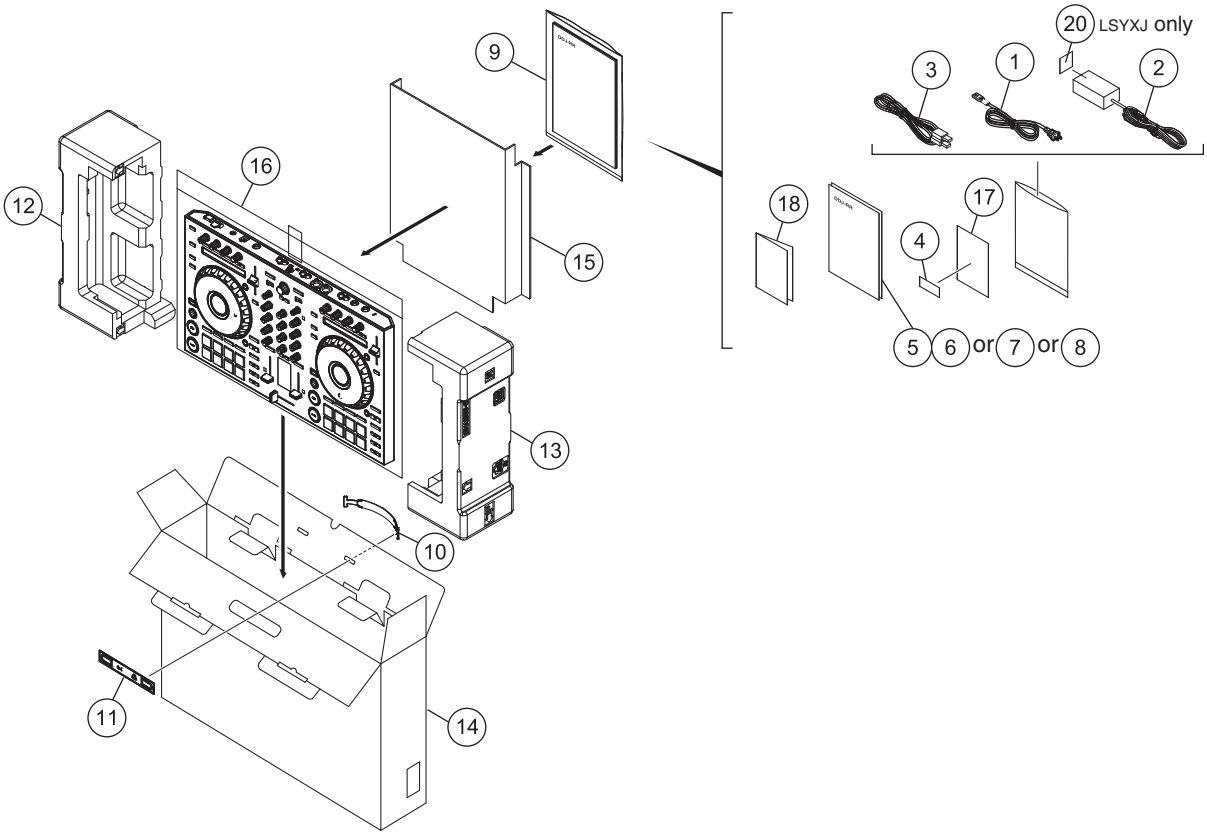
Booth Attenuator Level setting			Booth output monaural/ stereo selection		Master/Booth output peak limiter setting		Microphone Output Peak Limiter setting	
0 dB	-3 dB	-6 dB	Monaural	Stereo	Enable	Disable	Enable	Disable

Demo Mode Start Duration setting				Auto standby setting	
OFF	1 minute after no operation	5 minute after no operation	10 minute after no operation	On	Off

9. EXPLODED VIEWS AND PARTS LIST

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

9.1 PACKING SECTION



(1) PACKING SECTION PARTS LIST

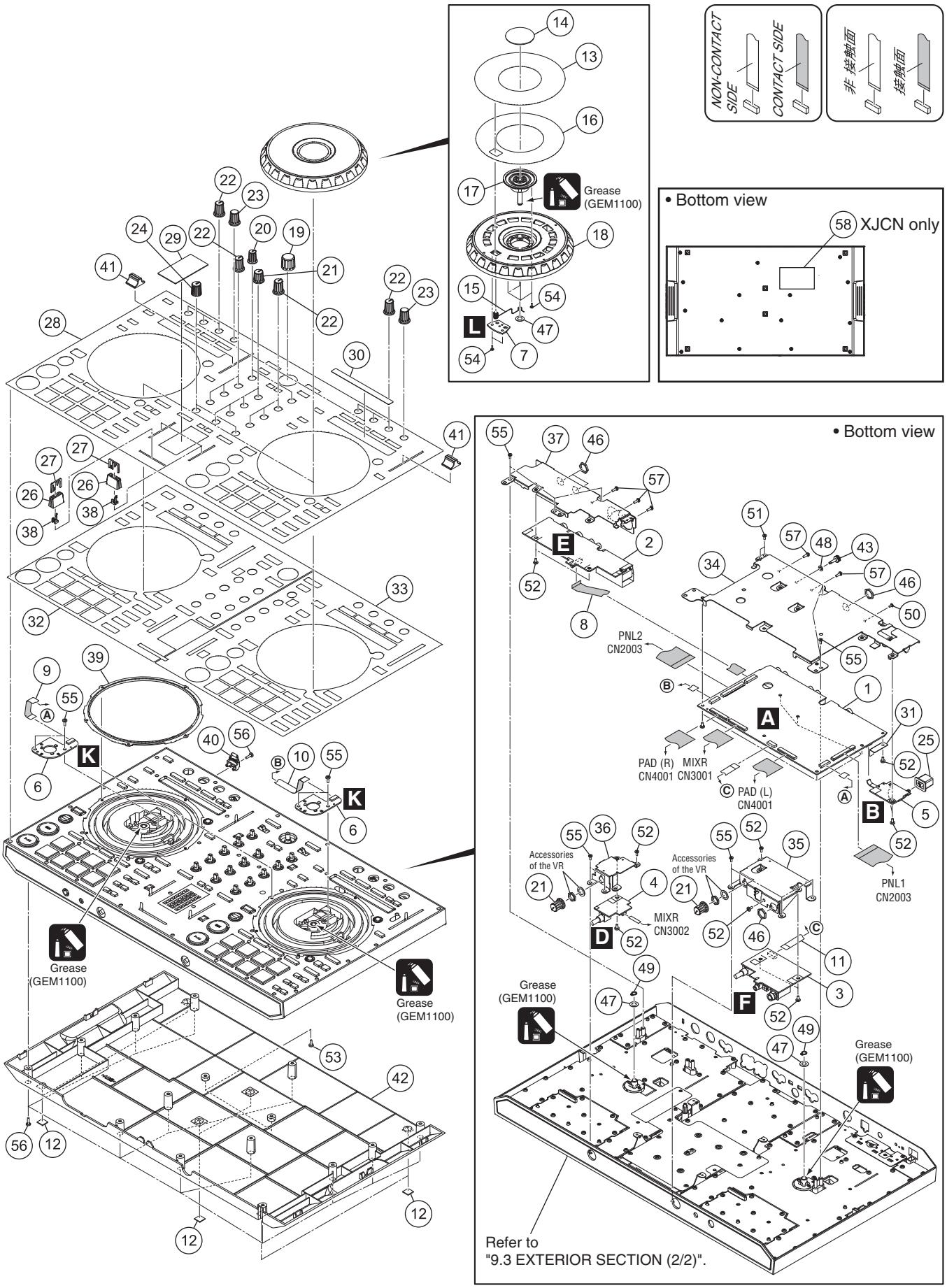
Mark	No.	Description	Part No.
⚠	1	Power Cord	See Contrast table (2)
⚠	2	AC Adapter	See Contrast table (2)
	3	USB Cable	DDE1128
NSP	4	rekordbox dj license key card	DXA2304
	5	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	6	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	7	Operating Instructions (Quick Start Guide)	See Contrast table (2)
	8	Operating Instructions (Quick Start Guide)	See Contrast table (2)
NSP	9	Polyethylene Bag	AHG7117
	10	Handle	DEC3709
	11	Spacer	DEC3710
	12	Packing Pad	DHA1955
	13	Packing Pad	DHA1956
	14	Packing Case	See Contrast table (2)
	15	Partition	DHC1095
	16	Packing Sheet	RHC1023
NSP	17	Leaflet	DRM1410
NSP	18	Warranty	See Contrast table (2)
	19	•••••	
NSP	20	Label	See Contrast table (2)

(2) CONTRAST TABLE

DDJ-RR/LSYXJ, UXJCB and XJCN are constructed the same except for the following:

Mark	No.	Symbol and Description	DDJ-RR/LSYXJ	DDJ-RR/UXJCB	DDJ-RR/XJCN
⚠	1	Power Cord	ADG1154	XDG3052	ADG7079
⚠	2	AC Adapter	DWR1546	DWR1552	DWR1546
	5	Operating Instructions (Quick Start Guide) (En, Fr, De, It)	DRH1362	Not used	Not used
	6	Operating Instructions (Quick Start Guide) (NI, Es, Pt, Ru)	DRH1363	Not used	Not used
	7	Operating Instructions (Quick Start Guide) (En)	Not used	DRH1364	Not used
	8	Operating Instructions (Quick Start Guide) (Zhcn)	Not used	Not used	DRH1365
	14	Packing Case	DHG3478	DHG3480	DHG3481
NSP	18	Warranty	DRY1270	Not used	Not used
NSP	20	Label	DRW2708	Not used	Not used

9.2 EXTERIOR SECTION (1/2)



EXTERIOR SECTION (1/2) PARTS LIST

Mark	No.	Description	Part No.
	1	MAIN Assy	DWX3893
	2	MBJK Assy	DWX3900
	3	HPJK Assy	DWX3901
	4	MCVR Assy	DWX3897
	5	PWSW Assy	DWX3898
	6	JOG Assy	DWX3903
	7	HOLD Assy	DWX3917
	8	FFC	DDD1778
	9	FFC	DDD1779
	10	FFC	DDD1780
	11	FFC	DDD1781
	12	Rubber Foot	VEB1349
	13	Plate	DAH3104
	14	Window	DAH3105
	15	Spring	DBH1812
	16	DS Tape/Jog	DEH1058
	17	Jog Dial	DNK6616
	18	Jog Dial	DNK6617
	19	Dial Knob	DAA1246
	20	Knob	DAA1359
	21	Knob	DAA1360
	22	Knob	DAA1361
	23	Knob	DAA1362
	24	Knob	DAA1366
	25	Power Knob	DAC2306
	26	Slider Knob 1	DAC2684
	27	Slider Knob 2	DAC2685
NSP	28	Plate	DAH3091
	29	Panel	DAH3103
	30	Sheet	DEC3674
⚠	31	Barrier	DEC3707
NSP	32	DS Tape	DEH1085
NSP	33	DS Tape	DEH1088
	34	Stay	DNH3266
	35	Stay	DNH3267
	36	Stay	DNH3268
	37	Stay	DNH3274
	38	Stopper/SLD	DNK6009
NSP	39	Ring	DNK6619
	40	Hook/CRD	DNK6084
	41	Knob	DNK6629
	42	Chassis	DNK6602
	43	Earth Terminal	DKE1015
	44	•••••	
	45	•••••	
	46	Nut (M12)	NKX2FNI
	47	Washer	WA62D120D050
	48	Spring Lock Washer	WS40FNI
	49	Washer	YC60FAC
	50	Screw (M3*5)	DBA1340
	51	Screw	BBZ26P060FTB
	52	Screw	BBZ30P060FTC
	53	Screw	BBZ30P080FTB
	54	Screw	BPZ20P060FTC
	55	Screw	BPZ30P080FNI
	56	Screw	BPZ30P100FTB
	57	Screw	PPZ30P080FTB
NSP	58	Label	See Contrast table (2)

Note:
Plate (No.28: DAH3091) is bonded to the double-sided tape in the Control Panel (No.47: DNK6603), it is difficult to replacement.
When replacing the plate (No.28: DAH3091), please order the following service parts Ass'y.

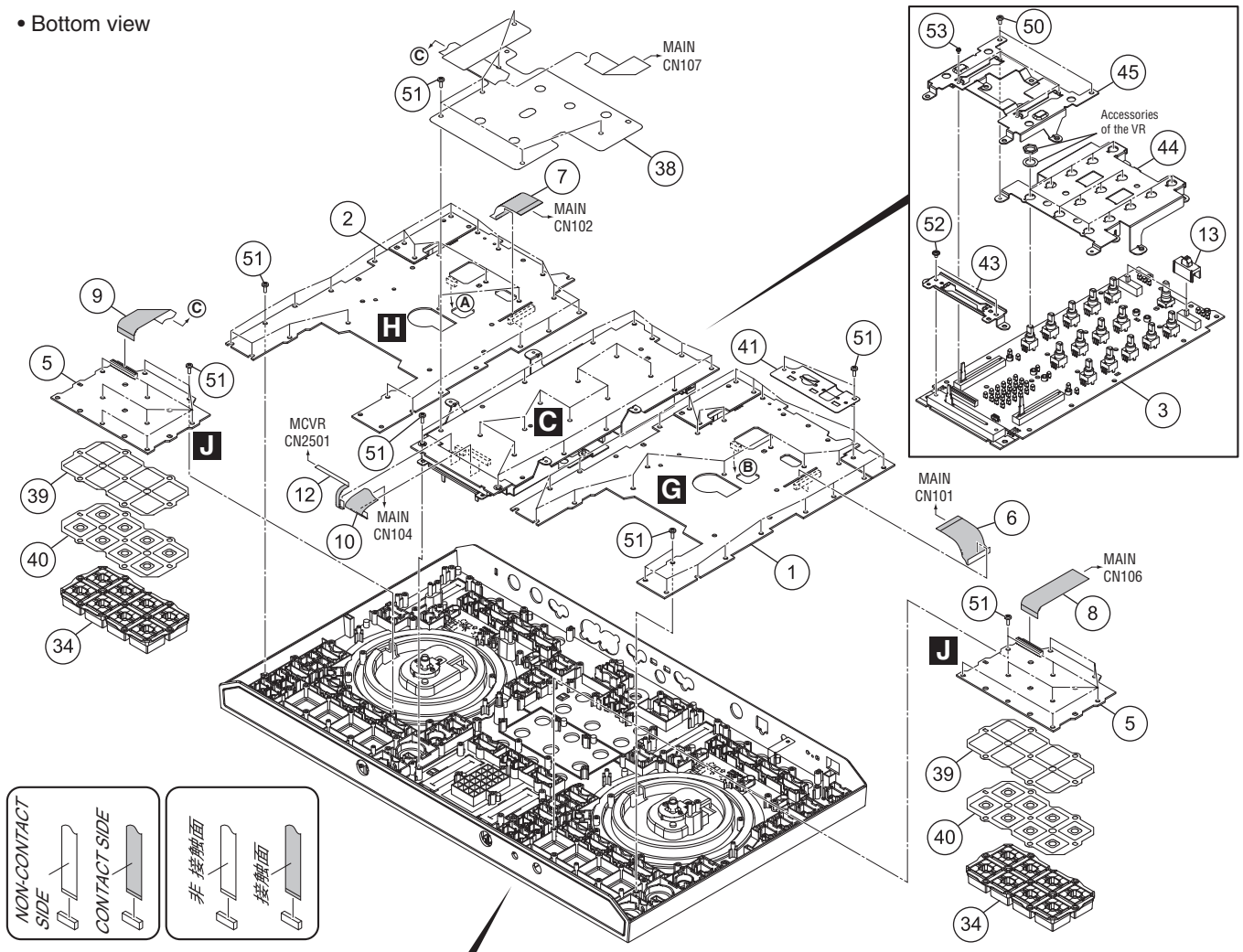
Mark	No.	Part Name	Part No.
		DDJ-RR Panel Service Assy	DEA1051
		Component part	
NSP	28	Plate	DAH3091
	29	Panel	DAH3103
	30	Sheet	DEC3674
NSP	32	DS Tape	DEH1085
NSP	33	DS Tape	DEH1088
NSP	39	Ring	DNK6619
	36	Fader Packing	DEC3355
	37	Packing/TMP	DEC3392
NSP	47	Control Panel	DNK6603

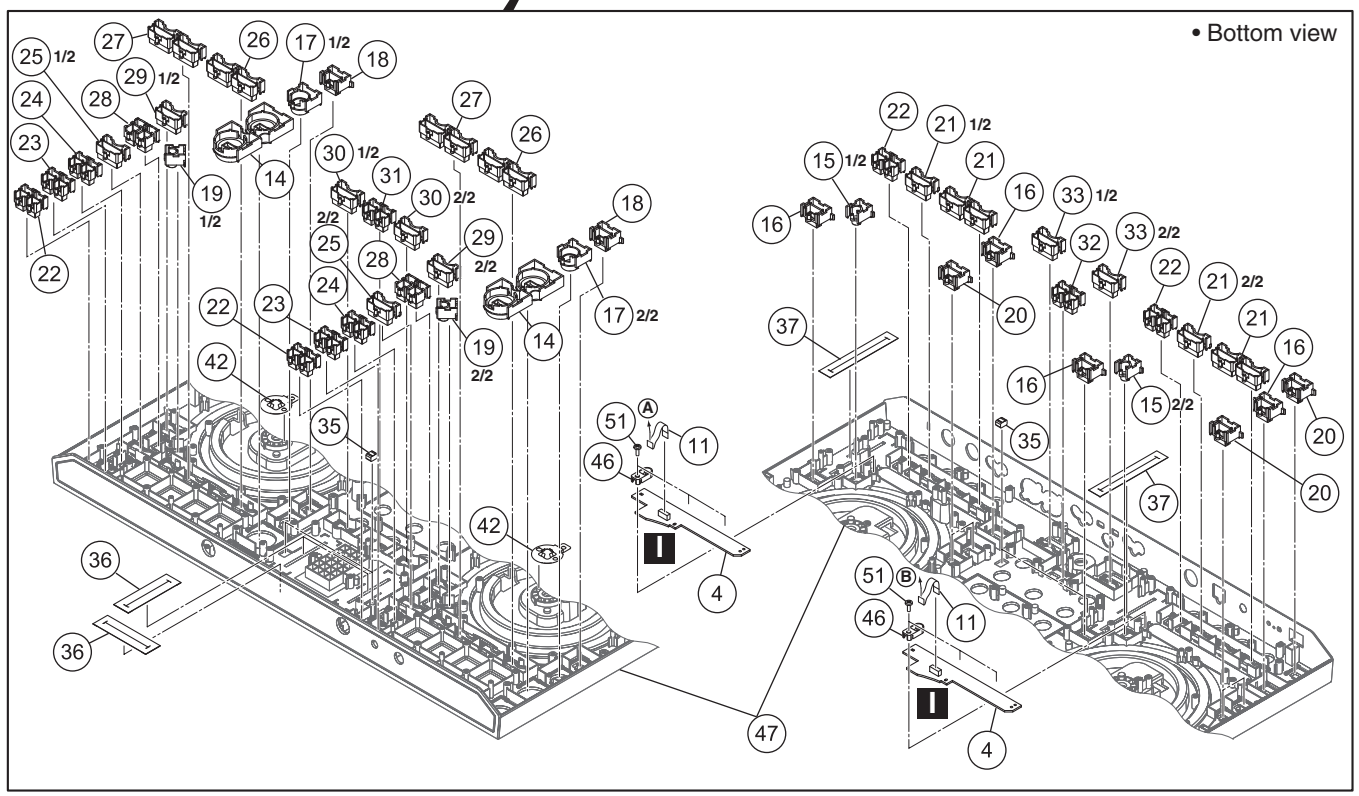
(2) CONTRAST TABLE

DDJ-RR/LSYXJ, UXJCB and XJCN are constructed the same except for the following:

Mark	No.	Symbol and Description	DDJ-RR/LSYXJ	DDJ-RR/UXJCN	DDJ-RR/XJCN
NSP	58	Label	Not used	Not used	DRW2706

9.3 EXTERIOR SECTION (2/2)





EXTERIOR SECTION (2/2) PARTS LIST

Mark	No.	Description	Part No.
	1	PNL1 Assy	DWX3896
	2	PNL2 Assy	DWX3919
	3	MIXR Assy	DWX3899
	4	CDC Assy	DWX3894
	5	PAD Assy	DWX3902
	6	FFC	DDD1773
	7	FFC	DDD1774
	8	FFC	DDD1775
	9	FFC	DDD1776
	10	FFC	DDD1777
	11	FFC	DDD1782
	12	FFC	DDD1783
	13	SW Cap	DAC2753
	14	Button	DAC3236
	15	Button/MT	DAC2875
	16	Button	DAC3152
	17	Button	DAC3205
	18	Button	DAC3206
	19	Button	DAC3207
	20	Button	DAC3208
	21	Button	DAC3209
	22	Button	DAC3210
	23	Button	DAC3212
	24	Button	DAC3213
	25	Button	DAC3214
	26	Button	DAC3215
	27	Button	DAC3216
	28	Button	DAC3217
	29	Button	DAC3218
	30	Button	DAC3219
	31	Button	DAC3220
	32	Button	DAC3221
	33	Button	DAC3222
	34	Button	DEB2035
	35	Gasket	DEC3719
	36	Fader Packing	DEC3355
	37	Packing/TMP	DEC3392
	38	Sheet	DEC3671
	39	Sheet	DEC3672
	40	Sheet	DEC3673
⚠	41	Barrier	DEC3706
	42	Plate/CND	DNH3137
	43	Stay	DNH3264
	44	Stay	DNH3265
	45	Stay	DNH3273
	46	CDC Stopper	DNK5863
NSP	47	Control Panel	DNK6603
	48	•••••	
	49	•••••	
	50	Screw	BBZ30P060FTC
	51	Screw	BPZ30P080FNI
	52	Screw	IMZ30P040FTC
	53	Screw	PMH20P040FTC