

Service Manual

ORDER NO.
RRV4163

MULTI PLAYER

CDJ-2000

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

Model	Type	Power Requirement	Remarks
CDJ-2000	UXJCB2	AC 120 V	
CDJ-2000	SYXJ82	AC 220 V to 240 V	
CDJ-2000	FLXJ2	AC 110 V to 240 V	
CDJ-2000	KXJ52	AC 220 V	
CDJ-2000	AXJ52	AC 220 V to 240 V	

This service manual should be used together with the following manual(s):

Model	Order No.	Remarks
CDJ-2000/CUXJ	RRV3999	

In the service manual (RRV3999) for the CDJ-2000/CUXJ there is a note regarding the handling of mercury contained in a lamp used for the LCD backlight upon disposal of the unit. This does not apply to this product.

2. CONTRAST OF MISCELLANEOUS PARTS

- 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.)
 - Nos. indicate the pages and Nos. in the service manual for the base model.
 - When ordering resistors, first convert resistance values into code form as shown in the following examples.
- Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).
- | | | | | | | | | | | |
|------|---|----------------------|-------|-----|-------|---------|---|---|---|---|
| 560Ω | → | 56 x 10 ¹ | → | 561 | | RD1/4PU |  |  |  | J |
| 47kΩ | → | 47 x 10 ³ | → | 473 | | RD1/4PU |  |  |  | J |
| 0.5Ω | → | R50 | | | | RN2HR |  |  | | K |
| 1Ω | → | 1R0 | | | | RS1P |  |  |  | K |
- Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).
- | | | | | | | | | | | | |
|--------|---|-----------------------|---|------|-------|---------|---|---|---|--|---|
| 5.62kΩ | → | 562 x 10 ¹ | → | 5621 | | RN1/4PC |  |  |  |  | F |
|--------|---|-----------------------|---|------|-------|---------|---|---|---|--|---|

2.1 CONTRAST TABLE

(1) CDJ-2000 and CDJ-2000/2 are constructed the same except for the following:

Mark	No.	Symbol and Description	CDJ-2000 /CUXJ/SYXJ8/FLXJ/KXJ/AXJ5	CDJ-2000 /UXJCB2/SYXJ82/FLXJ2/KXJ2/AXJ52	Remarks
NSP		PCB ASSEMBLIES			
		1..TFTA Assy	DWM2355	DWM2445	
	P77-2	2..SDCB Assy	DWX2980	DWX3293	*2
	P83-1	2..TFTB Assy	DWX2882	DWX3291	*1
	P83-2	2..CDCB Assy	DWX2987	DWX3292	*1
		DISPLAY SECTION			
	P83-3	LCD	DWX3126	CWX3970	
	P83-17	LCD Packing (Top)	DEC3193	DEC3376	
	P83-18	LCD Stay	DND1263	DND1267	
	P83-19	Rear Bracket	DND1264	DND1268	
	P83-20	LCD Holder	DNH2850	Not used	
	P83-21	LCD Panel	DNK5319	DNK5951	
	P83-30	Screw	BBZ30P060FTB(x 22)	BBZ30P060FTB(x 21)	
	P83-31	Screw	BSZ20P040FTB	Not used	
		Screw	Not used	BSZ30P040FTC	No. 1
		40P FFC	Not used	DDD1541	No. 2
		Fitting/LCD	Not used	DNH2992	No. 3

(2) CDJ-2000/CUXJ and CDJ-2000/UXJCB2 are constructed the same except for the following:

Mark	No.	Symbol and Description	CDJ-2000/CUXJ	CDJ-2000/UXJCB2	Remarks
		PACKING SECTION			
	P75-1	Power Cable	ADG7021	ADG7022	
	P75-23	Packing Case	DHG2800	DHG3025	

(3) CDJ-2000/SYXJ8 and CDJ-2000/SYXJ82 are constructed the same except for the following:

Mark	No.	Symbol and Description	CDJ-2000/SYXJ8	CDJ-2000/SYXJ82	Remarks
		PACKING SECTION			
	P75-23	Packing Case	DHG2799	DHG3026	

(4) CDJ-2000/FLXJ and CDJ-2000/FLXJ2 are constructed the same except for the following:

Mark	No.	Symbol and Description	CDJ-2000/FLXJ	CDJ-2000/FLXJ2	Remarks
		PACKING SECTION			
	P75-23	Packing Case	DHG2801	DHG3028	

(5) CDJ-2000/KXJ5 and CDJ-2000/KXJ52 are constructed the same except for the following:

Mark	No.	Symbol and Description	CDJ-2000/KXJ	CDJ-2000/KXJ2	Remarks
	P75-23	PACKING SECTION Packing Case	DHG2804	DHG3029	

(6) CDJ-2000/AXJ5 and CDJ-2000/AXJ52 are constructed the same except for the following:

Mark	No.	Symbol and Description	CDJ-2000/AXJ5	CDJ-2000/AXJ52	Remarks
	P75-23	PACKING SECTION Packing Case	DHG2803	DHG3030	

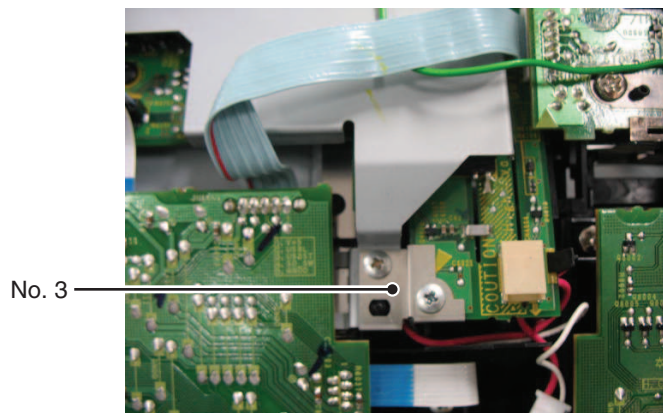
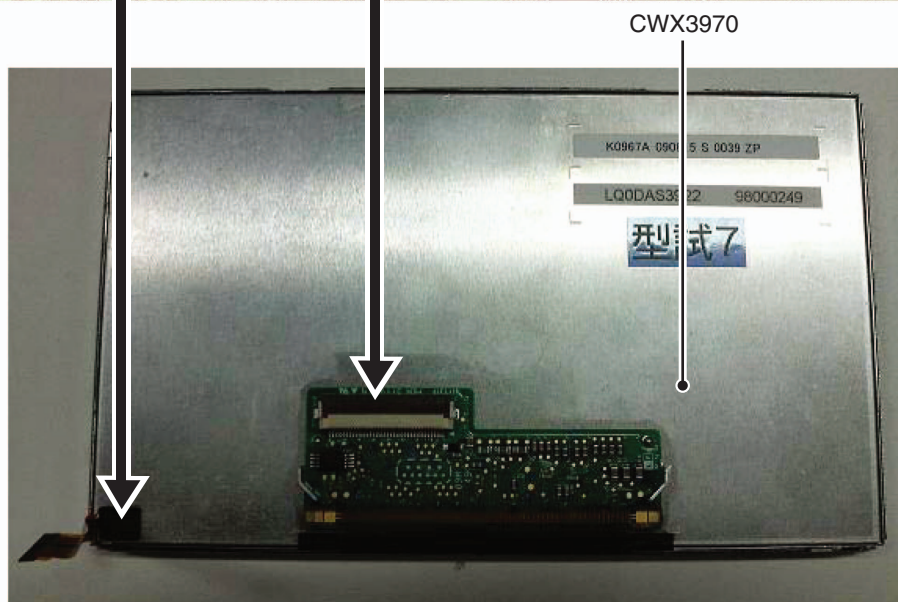
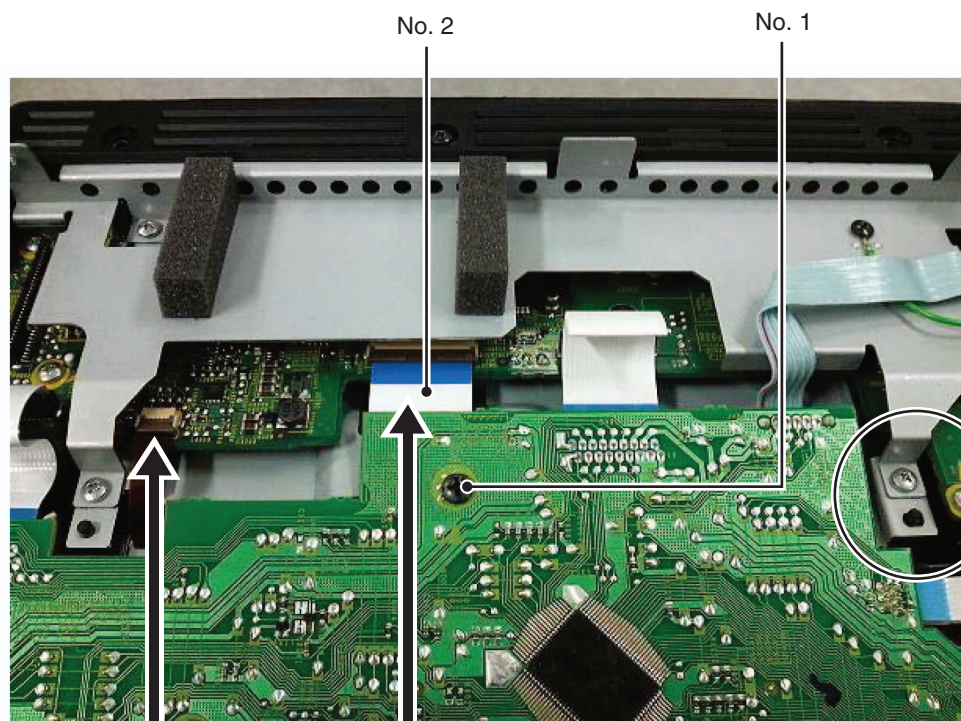
*1 Refer to "3.PCB PARTS LIST", "5.SCHEMATIC DIAGRAM" and "6.PCB CONNECTION DIAGRAM".

*2 Although DWX2980 and DWX3293 are different in part number, they are constructed same. Refer to "CDJ-2000/CUXJ(RRV3999)".

Changing the constants for the parts of the MAIN and JACB Assys

With a modification of the LCD section, the constants for the parts of the MAIN and JACB Assy, have been changed for improvement of the sound quality.

Mark	No.	Description	Part No.
MAIN Assy : DWG1660			
<u>RESISTORS</u>			
R	570	RS1/16SS332J =>	RS1/16SS222J
R	571	RS1/16SS332J =>	RS1/16SS222J
R	572	RS1/16SS332J =>	RS1/16SS222J
R	573	RS1/16SS332J =>	RS1/16SS222J
<u>CAPACITORS</u>			
C	3093	CEHVAW101M16 =>	CCH1565
JACB Assy : DWX2988			
<u>CAPACITORS</u>			
C	9401	CEHAZL220M50 =>	CEHAZL101M25
C	9404	CEHAZL220M50 =>	CEHAZL101M25



- NOTES:
- A

● 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.

● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47 k ohm (tolerance is shown by J = 5%, and K = 10%).

560 Ω

→

56 × 10¹

→

561

.....

RD1/4PU

5

6

7

J

47 kΩ

→

47 × 10³

→

473

.....

RD1/4PU

4

7

3

J

0.5 Ω

→

R50

.....

RN2H

R

5

0

K

1 Ω

→

1R0

.....

RS1P

7

R

0

K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 kΩ

→

562 × 10¹

→

5621

.....

RN1/4PC

5

6

2

1

F

● Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
LIST OF ASSEMBLIES				CN	4007	16P CONNECTOR	VKN1420
NSP	1..TFTA ASSY	DWM2445		CN	4012	18P CONNECTOR	VKN1422
	2..TFTB ASSY	DWX3291		CN	4013	CONNECTOR	CKS5660
	2..CDCB ASSY	DWX3292		CN	4014	CONNECTOR	CKS5561
	2..SDCB ASSY	DWX3293		RESISTORS			
IF TFTB ASSY				R	4002,4004,4053,4054		RAB4CQ470J
SEMICONDUCTORS				R	4022		RAB4CQ471J
	IC 4001	ADSP-BF531SBSTZ400		R	4024,4027		RAB4CQ101J
	IC 4003	TC7WHU04FU		R	4033		RAB4CQ104J
	IC 4004	DYW1781		R	4049,4050		RAB4CQ680J
	IC 4005	K4S561632J-UC75		R	4058,4059,4093,4105		RS1/10SR181J
	IC 4017,4021	TC7SH08FUS1		R	4081-4084		RAB4CQ560J
				R	4089,4286		RS1/10SR112J
	IC 4018	TK61222CQ6		R	4107,4109,4275-4277		RS1/10SR181J
	IC 4019	BA00BCOWFP		R	4245-4248		RAB4CQ331J
	Q 4001	2SC4081		R	4271,4272		RAB4CQ470J
	Q 4002-4004,4018,4019	LTC114YUB		R	4282,4283		RS1/10SR122J
	Q 4030-4033	LTC114YUB		R	4288,4290		RS1/10SR181J
				R	4359		RS1/16SS6202D
	Q 4035	RTQ045N03		R	4363,4407		RS1/16SS3303D
	Q 4036	RSQ025P03					
	D 4004-4006,4024-4026	SML-512MW(PQ)		R	4364		RS1/16SS6802D
	D 4028,4029,4034,4037	SML-512MW(PQ)		R	4381		RS1/16SS5602D
	D 4030,4031	SML312WBCWA(Z1)		R	4382		RS1/16SS3302D
				R	4383		RS1/10SR0R0J
	D 4035	SML312BC4T(QR)		R	4392		RS1/10SR471J
	D 4038	SML-512MW(PQ)		Other Resistors			RS1/16SS###J
	D 4039	RB160M-60		CAPACITORS			
MISCELLANEOUS				C	4001,4003,4011,4016		CCSRCH100D50
	L 4021-4027 FERRITE BEAD	CTF1528		C	4002,4024,4044-4046		CKSSYB104K16
	L 4028 INDUCTOR	CTF1740		C	4006-4008		CKSRYB104K50
	L 4029-4032 FERRITE BEAD	CTF1528		C	4028,4214,4272		CCH1565
	L 4033 INDUCTOR	CTF1379		C	4029		CKSRYF104Z25
	L 4034-4050 FERRITE BEAD	CTF1528					
				C	4165,4168-4172		CKSSYB104K16
	L 4051,4052 CHIP BEEDS FILTER	BTX1042		C	4173,4190,4200,4201		CCG1192
	L 4054 CHIP BEEDS FILTER	BTX1042		C	4174-4181,4183-4189		CKSSYB104K16
	L 4056 CHOKE COIL	CTH1435		C	4191-4196,4199,4202		CKSSYB104K16
	S 4001-4004,4020-4026 TACT SWITCH	DSG1134		C	4203,4256		CCG1192
	S 4028 ENCODER SW	DSX1080					
				C	4204,4212,4218,4220		CKSSYB104K16
	X 4001 CRYSTAL RESONATOR	DSS1164		C	4211		CEVW101M25
	X 4002 CRYSTAL RESONATOR	XSS3003		C	4213,4217		CKSSYB104K10
	CN 4002 29P CONNECTOR	VKN1433		C	4216		CEHVAW101M6R3

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Mark	No.	Description	Part No.
C	4222,4223,4257,4266		CKSSYB104K16
C	4233-4235,4244-4247		CCSSCH101J50
C	4249		CCSSCH221J50
C	4253,4261,4264,4265		CKSRYB105K16
C	4254		CCSSCH101J50
C	4255		DCH1201
C	4258,4260,4262,4263		CCG1236
C	4267		CKSRYB474K10
C	4268,4269,4278		CCG1236
C	4273,4281		CKSSYB104K16
C	4274		VCG1063
C	4275		CCSSCH331J50
C	4276		CKSRYB105K16

LF CDCB ASSY SEMICONDUCTORS

IC	5001	AD7147ACPZ500RL7
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MISCELLANEOUS

L	5001 CHIP SOLID INDUCTOR	XTL3010
L	5002-5006 INDUCTOR	CTF1639
CN	5001 7P CONNECTOR	VKN1411

RESISTORS

All Resistors	RS1/16SS###J
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CAPACITORS

C	5001	CKSQYB103K50
C	5002	CKSRYB104K16
C	5003	CCG1192
C	5004-5008	CCSRCH101J50