

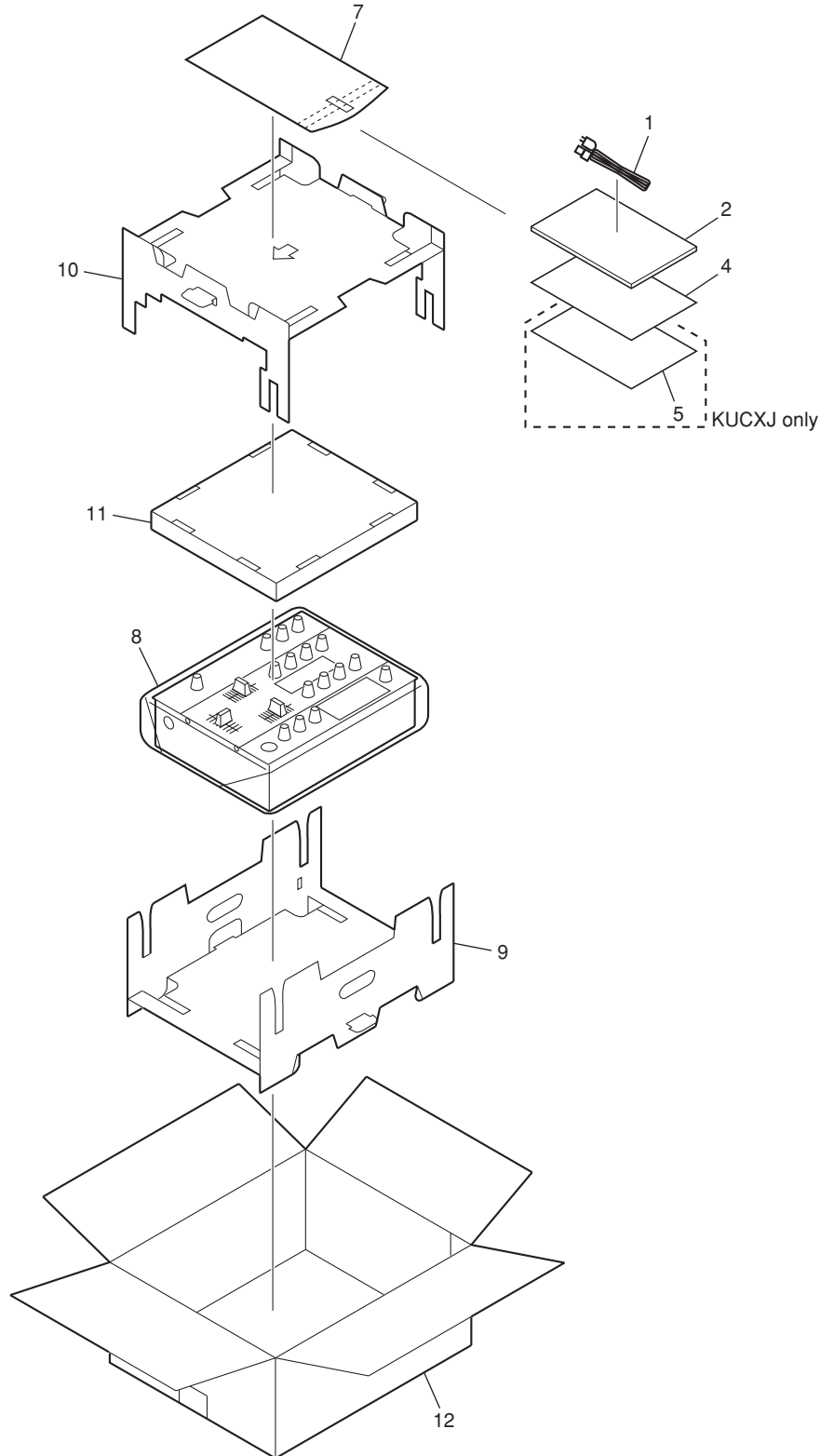


2. EXPLODED VIEWS AND PARTS LIST

- 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.)

2.1 PACKING SECTION



(1) PACKING SECTION PARTS LIST

Mark No.	Description	Part No.
△ 1	Power Cord	See Contrast table (2)
2	Operating Instructions	See Contrast table (2)
3	
NSP 4	User Registration Seat	DRM1262
NSP 5	Warranty Card	See Contrast table (2)
6	
NSP 7	Polyethylene Bag (0.06 x 230 x 340)	AHG7117
8	Packing Sheet	AHG7015
9	Pad A	DHA1706
10	Pad B	DHA1707
11	Pad C	DHA1713
12	Packing Case	See Contrast table (2)

(2) CONTRAST TABLE

DJM-400/KUCXJ, RLXJ and WYXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DRM-400/KUCXJ	DRM-400/RLXJ	DRM-400/WYXJ5
△	1	Power Cord	ADG7021	ADG1154	ADG1154
	2	Operating Instructions (English)	DRB1405	Not used	Not used
	2	Operating Instructions (English/ Spanish/ Chinese)	Not used	DRB1406	Not used
	2	Operating Instructins (English/ French/ German/ Italian/ Duch/ Spanish)	Not used	Not used	DRB1404
NSP	5	Warranty Card	ARY7043	Not used	Not used
	12	Packing Case	DHG2605	DHG2606	DHG2604

(1) EXTERIOR SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	MAIN Assy	DWX2527			
2	JACK Assy	See Contrast table (2)	NSP 21	Rear Panel	See Contrast table (2)
3	MIC Assy	DWX2517	22	Chassis Assy	See Contrast table (2)
4	HP Assy	DWX2518	23	Insulator	DEB1795
5	TRANS Assy	See Contrast table (2)	24	Power Knob Guide	DNK4198
			25	Blind Cap	DNK4218
△	6 Fuse (FU1 : T250mA)	AEK1048			
△	7 Power Transformer	See Contrast table (2)	26	Phone Washer	DEC2920
8	Earth Terminal	AKE-031	27	Nut M12	NKX2FNI
9	26P Flexible Cable	DDD1306	28	
10	22P Flexible Cable	DDD1307	29	
			30	
11	19P Flexible Cable	DDD1308			
12	Small Connector	PF07PP-R12	31	Screw 3x8	DBA1290
NSP 13	Spacer	AEB7092	32	Screw	BBZ40P060FTC
14	PCB Mold	AMR2534	33	Screw	BBZ30P140FTC
15	Power Knob	DAC2339	34	Screw	BPZ30P080FTB
			35	Screw	BBZ30P060FTB
16	Blind Sheet	DEC2907			
17	PCB Spacer	DEC2942	36	Label	See Contrast table (2)
18	PCB Stay	DNF1739	37	FCC.Class B Label	See Contrast table (2)
19	ICP Cover	DNK4625	38	V Select Label	See Contrast table (2)
NSP 20	Card Spacer	REC1156	39	FCC Label	See Contrast table (2)

(2) CONTRAST TABLE

DJM-400/KUCXJ, RLXJ and WYXJ5 are constructed the same except for the following:

Mark	No.	Symbol and Description	DRM-400/KUCXJ	DRM-400/RLXJ	DRM-400/WYXJ5
	2	JACK Assy	DWX2524	DWX2525	DWX2516
	5	TRANS Assy	DWX2519	DWX2526	DWX2519
△	7	Power Transformer	DTT1201	DTT1202	DTT1202
NSP	21	Rear Panel (KUC)	DNC1784	Not used	Not used
NSP	21	Rear Panel (RL)	Not used	DNC1805	Not used
NSP	21	Rear Panel (WY)	Not used	Not used	DNC1787
	22	Chassis Assy	DXB1890	DXB1891	DXB1890
NSP	36	Label	DRW1975	Not used	Not used
NSP	37	FCC.Class B Label	DRW2300	Not used	Not used
	38	V Select Label	Not used	DRW2298	Not used
	39	FCC Label	Not used	DRW2299	Not used

5 6 7 8

(1) CONTROL PANEL SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	
1	VRSW Assy	DWX2520	
2	FADER Assy	DWX2521	A
3	CHRV Assy	DWX2522	
4	CFVR Assy	DWX2523	
5	36P Flexible Cable	DDD1305	
6	12P Flexible Cable	DDD1310	
7	SW Packing (B)	DEC2574	
8	Fader Packing	DEC2903	
9	Insulation Sheet	DEC2940	
10	Level Meter Holder	DNK4622	
11	Blind Plate CUE	DNK4624	B
12	Blind Plate EFFECT	DNK4654	
13	Control Panel	DNB1138	
14	Rotary VR Knob (B)	DAA1183	
15	Rotary VR Knob (G)	DAA1184	
16	Rotary SW Knob	DAA1185	
17	Button TAP	DAC2341	
18	Button CUE	DAC2343	
19	Button FADER	DAC2344	
20	SW Cap FADER	DAC2345	C
21	SW Cap MIC	DAC2346	
22	Button BEAT	DAC2369	
23	Button EFFECT	DAC2370	
24	Slider Knob (L2)	DAC2371	
25	Level Plate	DAH2445	
26	7seg Plate	DAH2446	
27	Binder (SKB-909BK)	ZCA-SKB90BK	
28	Nyron Rivet 3x4.5	RBM-003	
29	Nut M9	DBN1008	D
30		
31	Screw 3x8	DBA1290	
32	Screw	BPZ26P080FTC	
33	Screw	AMZ30P040FTC	
34	Lever SW Stay	DNF1740	
35	Fader Stay	DNF1746	
36	Screw	PMH20P040FTC	
37	Screw	CMZ26P050FTB	E

5. PCB PARTS LIST

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

● The Δ 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 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω \rightarrow 56×10^1 \rightarrow 561 RD1/4PU $\boxed{5}\boxed{6}\boxed{7}J$
 47k Ω \rightarrow 47×10^3 \rightarrow 473 RD1/4PU $\boxed{4}\boxed{7}\boxed{3}J$
 0.5 Ω \rightarrow R50 RN2H $\boxed{R}\boxed{5}\boxed{0}K$
 1 Ω \rightarrow 1R0 RS1P $\boxed{7}\boxed{R}\boxed{0}K$

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

5.62k Ω \rightarrow 562×10^1 \rightarrow 5621 RN1/4PC $\boxed{5}\boxed{6}\boxed{2}\boxed{1}F$

LIST OF HOLE PCB ASSEMBLIES

Mark	Symbol and Description	DJM-400/KUCXJ	DJM-400/RLXJ	DJM-400/WYXJ5
	1..MAIN ASSY	DWX2527	DWX2527	DWX2527
	1..SUB ASSY	DWM2228	DWM2229	DWM2226
	2..JACK ASSY	DWX2524	DWX2525	DWX2516
	2..HP ASSY	DWX2518	DWX2518	DWX2518
	2..MIC ASSY	DWX2517	DWX2517	DWX2517
	1..PANEL ASSY	DWM2227	DWM2230	DWM2227
	2..VRSW ASSY	DWX2520	DWX2520	DWX2520
	2..CHRV ASSY	DWX2522	DWX2522	DWX2522
	2..FADER ASSY	DWX2521	DWX2521	DWX2521
	2..CFVR ASSY	DWX2523	DWX2523	DWX2523
	2..TRANS ASSY	DWX2519	DWX2526	DWX2519

CONTRAST OF PCB ASSEMBLIES

B JACK ASSY

DWX2524, DWX2525 and DWX2516 are constructed the same except for the following :

Mark	Symbol and Description	DWX2524	DWX2525	DWX2516
Δ	AN101 1P AC INLET	XKP3042	XKP3041	XKP3041
Δ	CN102 2P VH CONNECTOR	B2P3-VH	Not used	B2P3-VH
Δ	CN102 3P VH CONNECTOR	Not used	B3P5-VH	Not used
Δ	S101 VOLTAGE SELECTOR	Not used	DSA1026	Not used

I TRANS ASSY

DWX2519 and DWX2526 are constructed the same except for the following :

Mark	Symbol and Description	DWX2519	DWX2526
Δ	J2 CONNECTOR ASSY	DKP3744	Not used
Δ	J3 CONNECTOR ASSY	Not used	DKP3745

PCB PARTS LIST FOR DJM-400/KUCXJ UNLESS OTHERWISE NOTED

Mark No.	Description	Part No.	Mark No.	Description	Part No.
A MAIN ASSY SEMICONDUCTORS			RESISTORS		
IC708		D607A003BRFP200	R64		RS1/16S1502F
IC700		DYW1755	R65		RS1/16S7502F
IC709		K4S641632H-TC75	R1792		RS1/8S0R0J
IC714,IC715		PCM1742KE	Other Resistors		RS1/16S###J
IC711-IC713		PCM1803DB	OTHERS		
IC704		PST3245	X700 CRYSTAL (24M)		ASS7025
IC14		R1224N102H	CN700 PH CONNECTOR 7P		AKM1293
IC702		TC74VHC08FTS1	CN702 19P FFC CONNECTOR		VKN1311
IC701		TC74VHCJ04FT	CN701 22P FFC CONNECTOR		VKN1314
IC705,IC706		TC7SET08FUS1	CN703 26P FFC CONNECTOR		VKN1318
IC707		TC7SHU04FUS1	KN700-KN703 EARTH METAL FITTING		VNF1109
IC703		TC7SU04FU	B JACK ASSY SEMICONDUCTORS		
Q1		CPH6314	△ IC300-IC302,IC304 (250mA)		AEK7002
Q705		DTA124EUA	△ IC303,IC308 (400mA)		AEK7004
Q700		DTC124EUA	△ IC305		BA05T
D1		1SS355	IC508		BA4558F-HT
D704-D706,D715-D720		DAN217U	IC500,IC501		BA4560F
D2		RB160L-40	COILS AND FILTERS		
COILS AND FILTERS			△ IC306,IC307		BD9702T-V5
L2 INDUCTOR		CTH1254	IC502-IC505		NJM2121M
L701		LCKAW221J2520	IC509		NJM4556AD
L700 EMI FILTER		RTF1189	IC506,IC507		NJM4580MD
CAPACITORS			△ IC400,IC402		NJM78M12FA
C111		CCH1426	△ IC401,IC403		NJM79M12FA
C747,C748		CCSRCH150J50	Q303		2SC1740S
C1720-C1726,C1730,C1742		CEVW100M16	Q304,Q305		2SC2458
C106		CEVW101M10	Q504-Q513		2SC3326
C710,C754-C756		CEVW101M16	Q500-Q503,Q514-Q517		DTC124EUA
C1727-C1729,C1731		CEVW220M16	D301,D307,D308,D500,D501		1SS355
C1762-C1764,C1766,C1768-C1773		CKSRYB103K50	△ D302,D303		RB160L-40
C1776,C1778-C1784,C1786,C742		CKSRYB103K50	D309,D320		RB501V-40
C107,C1756-C1760,C780		CKSRYB104K16	△ D304,D312		S5566G(TPB2)
C108,C711,C727		CKSRYB105K10	COILS AND FILTERS		
C109		CKSRYB332K50	L500-L503 INDUCTOR		CTF1409
C743-C745		CKSSYB102K50	L300,L301 RADIAL READ INDUCTOR		DTL1121
C1750,C1787-C1795,C701,C705		CKSSYB103K16	△ L101 LINE FILTER		DTL1131
C708,C721-C725,C735-C737		CKSSYB103K16	F504 FERRITE BEAD		VTF1187
C741		CKSSYB103K16	SWITCHES AND RELAYS		
C1701,C1703,C1704,C1706		CKSSYB104K10	S500,S501		DSH1025
C1709,C1710,C1712,C1714		CKSSYB104K10	△ S102		RSA1001
C1716,C1717,C1735,C1736		CKSSYB104K10	CAPACITORS		
C1738-C1741,C1743-C1749,C1755		CKSSYB104K10	△ C102,C103		ACE7045
C700,C702-C704,C706,C707		CKSSYB104K10	△ C101		ACG7033
C720,C726,C732-C734		CKSSYB104K10	C522-C525,C563-C566		CCSRCH101J50
C738-C740,C746,C750,C751		CKSSYB104K10	C605,C608		CCSRCH121J50
C753,C761-C771,C773,C774		CKSSYB104K10	C593,C595		CCSRCH151J50
C776,C778,C779,C781-C799		CKSSYB106K10	C503,C509,C544,C550		CCSRCH181J50
C105,C110			C500,C506,C541,C547		CCSRCH221J50
			C599,C607		CCSRCH221J50
			C590,C591,C601,C602		CCSRCH330J50
			C502,C508,C543,C549,C583,C592		CCSRCH331J50

Mark No. Description**Part No.**

C302
C402,C403,C529,C530
C533,C534,C537,C540
C570,C571,C574,C575,C578
C581,C610,C612,C614,C615

CEANP4R7M50
CEAT100M50
CEAT100M50
CEAT100M50
CEAT100M50

C630,C631
C400,C401,C535,C538,C576
C579,C620,C621,C626,C627
C309,C310
C308

CEAT100M50
CEAT101M16
CEAT101M16
CEAT222M10
CEAT471M25

C311
C306,C307
C616-C619
C304
C305

CEAT472M16
CEAT472M35
CEAT4R7M50
CEHAT100M50
CEHAT101M16

C526,C567
C420,C421,C423,C527,C528
C568,C569,C606,C609
C312,C501,C505,C507,C515
C517,C521,C542,C546,C548

CFTLA473J50
CKSRYB103K50
CKSRYB103K50
CKSRYB104K50
CKSRYB104K50

C556,C558,C562,C582,C584
C598,C600,C603,C604
C624,C625
C510,C518,C551,C559
C589,C597

CKSRYB104K50
CKSRYB104K50
CKSRYB104K50
CQMA183J50
CQMA222J50

C588,C596
C511,C519,C552,C560
C587,C594

CQMA392J50
CQMA512J50
CQMA682J50

RESISTORS

R627,R629
R621,R626
R508,R520,R549,R560
R599,R605
R507,R519,R548,R559

RD1/2VM680J
RD1/2VM820J
RN1/16SE1502D
RN1/16SE1602D
RN1/16SE1803D

R316
R514,R530,R555,R570
R588,R608
R311
R511,R523,R544,R552

RN1/16SE2201D
RN1/16SE2402D
RN1/16SE2700D
RN1/16SE2701D
RN1/16SE2702D

R510,R522,R551,R562
R528,R533,R568,R573
R584,R597
R512,R524,R545,R553
R314,R625,R635

RN1/16SE3300D
RN1/16SE3902D
RN1/16SE4701D
RN1/16SE4702D
RN1/16SE5101D

R313
R591,R593,R615,R617
R300
Other Resistors

RN1/16SE6200D
RN1/16SE6802D
RS1LMF121J
RS1/16S###J

OTHERS

3P CABLE HOLDER
CN507 9P JUMPER CONNECTOR
H101,H102 FUSE CLIP
△CN102 2P VH CONNECTOR
CN505 KR CONNECTOR

51048-0300
52147-0910
AKR1004
B2P3-VH
B7B-PH-K

Mark No. Description**Part No.**

CN500,CN502 CONNECTOR
J501 JUMPER WIRE 3P
CN301 8P SOCKET
JA502,JA503 REMOTE CONTROL JACK
CN506 KR CONNECTOR

CKS3401
D20PDY0305E
KP250NA8
RKN1004
S6B-PH-K

PCB BINDER
JA508-JA510 4P PIN JACK
CN511 19P FFC CONNECTOR
CN504 22P FFC CONNECTOR
CN503 26P FFC CONNECTOR

VEF1040
VKB1132
VKN1250
VKN1253
VKN1257

KN301-KN303 WRAPPING TERMINAL
△AN101 1P AC INLET

VNF1084
XKP3042

**HP ASSY
SEMICONDUCTORS**

D2000,D2001

NNCD6.2MF

CAPACITORS

C2000
C2001,C2002

CFTLA104J50
CKSRYB104K50

RESISTORS

All Resistors

RS1/16S###J

OTHERS

CN2000 3P JUMPER CONNECTOR
JA2000 HEADPHONE JACK

52151-0310
DKN1281

**D MIC ASSY
SEMICONDUCTORS**

IC800,IC801
Q800,Q801

NJM2121M
DTC124EUA

SWITCHES AND RELAYS

S800,S801

DSH1025

CAPACITORS

C808,C815
C804,C811
C800,C807
C803,C810
C818,C820

CCSRCH101J50
CCSRCH181J50
CCSRCH221J50
CCSRCH331J50
CEAL100M35

C816,C817
C819,C821
C802,C806,C809,C814

CEAT100M50
CEAT101M16
CKSRYB104K50

RESISTORS

R807,R813
R821,R823
R808,R814
R822,R824
Other Resistors

RN1/16SE2002D
RN1/16SE2702D
RN1/16SE3300D
RN1/16SE4702D
RS1/16S###J

5	6	
Mark No.	Description	Part No.
OTHERS		
9P CABLE HOLDER	51048-0900	
J801 JUMPER WIRE 9P	D20PDY0910E	
JA800,JA801 MIC JACK	DKN1248	

E VRSW ASSY SEMICONDUCTORS

IC901-IC903	BA4560F
IC904,IC905	TC74HC4052AF
Q933	2SA1576A
Q901-Q907	2SB1197K
Q916,Q918,Q920,Q922,Q924	2SD2114K
Q926,Q928,Q930	2SD2114K
D934-D936,D940-D947	1SS355
D901-D903	NKR131S
D904,D911,D918,D928-D933	SLI-343URCW(RST)
D905,D906,D912,D913	SLI-343YCW(RST)
D919,D920,D925-D927	SLI-343YCW(RST)
D937,D938,D948,D949	SLI-343YCW(RST)
D907-D910,D914-D917	TLGE68TG(NP)
D921-D924	TLGE68TG(NP)

SWITCHES AND RELAYS

S902-S912,S915,S916	DSG1079
S914	DSG1098
S913	DSG1099
S901	DSH1058

CAPACITORS

C941-C946	CEJQ100M50
C940,C947	CEJQ101M10
C901-C903,C906-C911,C915	CFTNA334J50
C917-C920	CFTNA334J50
C923-C930,C932-C935	CKSRYB103K50
C904,C905,C912-C914,C916	CKSRYB104K50
C921,C922,C931,C936-C939	CKSRYB104K50
C948	CKSRYB104K50

RESISTORS

R901,R906,R911,R915	RN1/16SE1202D
VR901,VR902	DCS1091
VR905,VR906,VR908-VR913	DCS1092
VR907,VR914	DCS1093
VR903,VR904	DCS1094
Other Resistors	RS1/16S###J

OTHERS

12P CABLE HOLDER	51048-1200
CN902 FFC CONNECTOR 12P	52492-1220
CN901,CN903 FFC CONNECTOR 36P	52492-3620

F CHRV ASSY SWITCHES AND RELAYS

S1201,S1202	DSK1033
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7	8	
Mark No.	Description	Part No.
OTHERS		
12P CABLE HOLDER	51048-1200	
J1201 JUMPER WIRE 12P	D20PDD1205E	
LEVER SW STAY	DNF1740	
SCREW	CMZ26P050FTB	

G FADER ASSY SEMICONDUCTORS

D1103,D1104,D1106-D1109	1SS355
D1101,D1102	SLI-343YCW(RST)

SWITCHES AND RELAYS

S1101	ASH1037
S1102,S1103	DSG1079

RESISTORS

VR1101,VR1102	DCV1010
Other Resistors	RS1/16S###J

OTHERS

CN1101 FFC CONNECTOR 12P	52492-1220
J1102 SMALL CONNECTOR	PG06MR-E07
FADER STAY	DNF1746
SCREW	PMH20P040FTC

H CFVR ASSY SEMICONDUCTORS

D2001,D2002	1SS355
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RESISTORS

VR2101	DCV1006
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OTHERS

CN2102 MT CONNECTOR 6P	173979-6
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I TRANS ASSY SEMICONDUCTORS

⚠ D209,D210	1SR154-400
⚠ D200-D203	RB160L-40

CAPACITORS

C200-C205	CKSRYB473K50
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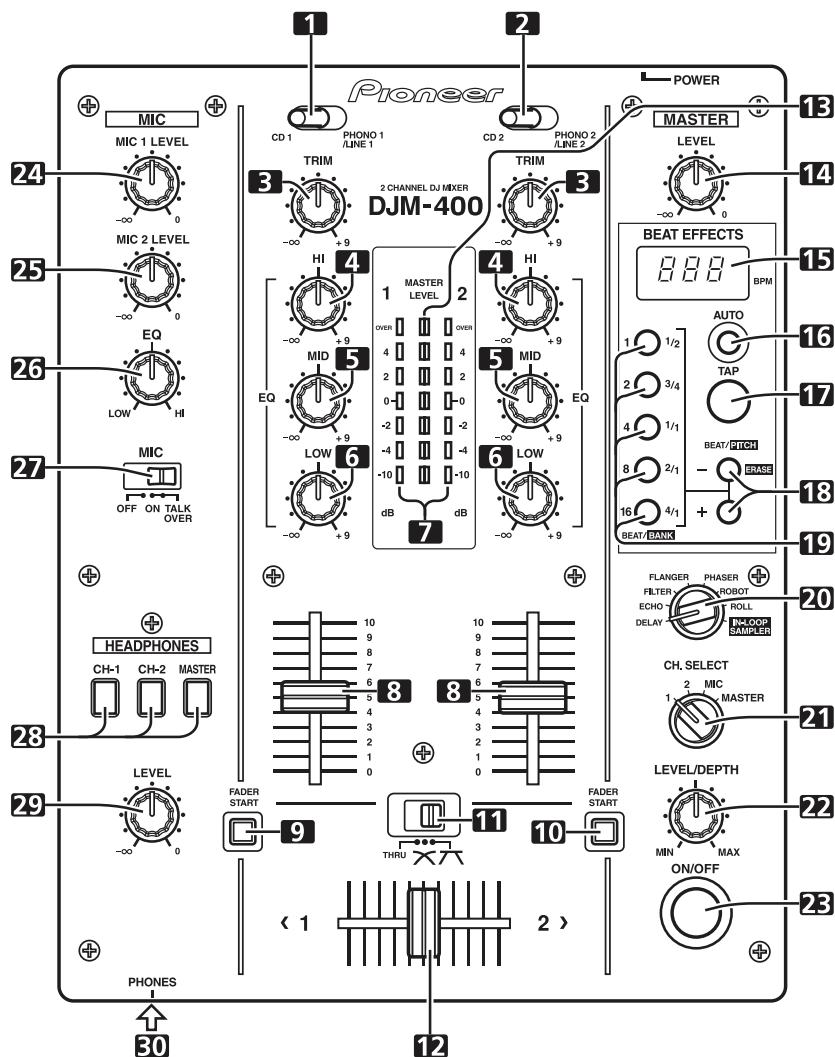
OTHERS

⚠ J2 CONNECTOR ASSY	DKP3744
CN202 8P PCB CONNECTOR	S8B-XH-A-1

6. ADJUSTMENT

• There is no information to be shown in this chapter.

8.2 CONTROL PANEL SECTION



1 Channel 1 input selector switch

CD 1:

The CD input connectors (line level input) are selected.

PHONO 1/LINE 1:

PHONO/LINE input connectors are selected.

- The connection panel's **PHONO/LINE** switch is used to switch the function of the channel 1 connectors between phonograph input (analog turntable input) and line input (line level input).

2 Channel 2 input selector switch

CD 2:

The CD input connectors (line level input) are selected.

PHONO 2/LINE 2:

PHONO/LINE input connectors are selected.

- The connection panel's **PHONO/LINE** switch is used to switch the function of the channel 2 connectors between phonograph input (analog turntable input) and line input (line level input).

3 TRIM adjust dial

Use to adjust the input level for each channel.

(Adjustable range: $-\infty$ to +9 dB, mid-position is about 0 dB)

4 Channel equalizer high-range adjust dial (HI)

Use to adjust the treble (high-range) frequency sound for each channel (includes kill function). (Adjustable range: $-\infty$ to +9 dB)

5 Channel equalizer mid-range adjust dial (MID)

Use to adjust the mid-range frequency sound for each channel (includes kill function). (Adjustable range: $-\infty$ to +9 dB)

6 Channel equalizer low-range adjust dial (LOW)

Use to adjust the bass (low-range) frequency sound for each channel (includes kill function). (Adjustable range: $-\infty$ to +9 dB)

7 Channel level indicators

Display the current level for each channel, with 0.6 second peak hold.

8 Channel fader levers

Use to adjust sound volumes for each channel.

(Adjustable range: $-\infty$ to 0 dB)

9 Channel 1 fader start button/indicator (FADER START)

Pressing this button toggles ON/OFF, the fader start/back cue function for the DJ CD player connected to channel 1. The button lights when set to ON. When set to ON, the operation differs depending on the setting of the cross fader selector switch.

- When the cross fader selector switch is at the left (**THRU**) position, the function is linked to the operation of the channel fader lever (not linked to cross fader).
- When the cross fader selector switch is at the middle (**∞**) or right (**∞**) position, the function is linked to the cross fader lever (not linked to channel fader).

10 Channel 2 fader start button/indicator (FADER START)

Pressing this button toggles ON/OFF, the fader start/back cue function for the DJ CD player connected to channel 2. The button lights when set to ON. When set to ON, the operation differs depending on the setting of the cross fader selector switch.

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- When the cross fader selector switch is at the left (**THRU**) position, the function is linked to the operation of the channel fader lever (not linked to cross fader).
- When the cross fader selector switch is at the middle (**↔**) or right (**↔**) position, the function is linked to the cross fader lever (not linked to channel fader).

11 Cross fader selector switch

Select whether or not to use the cross fader, and to select from two types of curve response.

- When the switch is set to left (**THRU**) position, the cross fader is disabled, and the channel fader output is mixed without passing through the cross fader.
- When this switch is set to the center (**↔**) position, the cross fader is enabled, and a slowly rising curve response is selected.
- When set to the right position (**↔**), the cross fader is enabled, and a rapidly rising curve response is selected (as soon as the lever leaves the [**< 1**] side, the [**2 >**] sound is heard).

12 Cross fader lever

Outputs channel 1 and channel 2 sounds in accordance with cross fader curve response selected with the cross fader selector switch. The cross fader function is disabled when the cross fader selector switch is set to the [**THRU**] position.

13 Master level indicators (MASTER LEVEL)

These indicators show the master output level in a monaural display. Each indicator has a 0.6 second peak hold.

14 Master output level dial (MASTER LEVEL)

Use to adjust the master output level.
(adjustable range: $-\infty$ to 0 dB)

Beat effect section

15 BPM display

Displays the current track tempo as Beats Per Minute (BPM).
• The display flashes during BPM calculation and when BPM cannot be calculated.

16 BPM measuring mode button/indicator (AUTO)

Each time the button is pressed, the BPM measuring mode alternates as follows:

AUTO mode:

The **AUTO** button lights and the BPM is calculated automatically. This is the default mode whenever power is first turned on.

TAP mode (manual input):

The **AUTO** button does not light, and BPM is input manually by using the **TAP** button.

17 TAP button

The BPM is calculated from the intervals at which the **TAP** button is struck. If the **TAP** button is tapped in the **AUTO** mode, the mode automatically switches to the **TAP** mode (manual input).

18 Beat select buttons (BEAT/PITCH -, +)

+ (Beat up): Doubles the calculated BPM.
- (Beat down): Halves the calculated BPM.

- If one of the **BEAT/PITCH** buttons (-, +) is pressed while holding the **TAP** button depressed, the BPM can be changed (40 to 999, in 1-step increments).

During in-loop sampler play, the loop play speed is changed.

- + (Beat up): Play speed becomes faster while button is pressed.
- (Beat down): Play speed becomes slower while button is pressed.

19 Beat select/bank buttons/indicators (BEAT 1 (1/2), 2 (3/4), 4 (1/1), 8 (2/1), 16 (4/1) / BANK)

Use to select the beat for synchronizing effects.
The selected button lights.

During in-loop sampler play, the buttons function as bank buttons to record samples of the music.

- If the **BEAT/BANK** button is pressed while holding the **ERASE (BEAT/PITCH -)** button depressed, the music sample recorded in the **BEAT/BANK** button will be erased.

20 Effect selector (DELAY/ECHO/FILTER/FLANGER/PHASER/ROBOT/ROLL/IN-LOOP SAMPLER)

Use to select desired type of effect.

21 Effect channel selector (CH. SELECT 1/2/MIC/MASTER)

Use to select the channel to which beat effects are applied. When [**MIC**] is selected, effects are applied to both microphone 1 and microphone 2.

22 Effect parameter dial (LEVEL/DEPTH)

Adjusts the quantitative parameters for selected beat effect.

23 Effect button/indicator (ON/OFF)

Sets selected beat effects ON/OFF.

When effects are disabled (OFF), the button lights. When effects are enabled (ON), the button flashes. Whenever power is first turned ON, effects default to OFF.

Microphone input control

24 Microphone 1 level control dial (MIC 1 LEVEL)

Use to adjust the volume of microphone 1.

(Adjustable range $-\infty$ to 0 dB)

When the connection panel's **MIC/AUX** switch is set to [**AUX**], this dial adjusts the sound volume for the left channel (**AUX(L)**).

25 Microphone 2 level control dial (MIC 2 LEVEL)

Use to adjust the volume of microphone 2.

(Adjustable range $-\infty$ to 0 dB)

When the connection panel's **MIC/AUX** switch is set to [**AUX**], this dial adjusts the sound volume for the right channel (**AUX(R)**).

26 Microphone equalizer control dial (EQ)

Use to adjust the tone of microphones 1 and 2. When rotated fully clockwise, attenuation of low-range sound is maximized. When rotated fully counterclockwise, attenuation of high-range sound is maximized. (Adjustable range 0 dB to -12 dB)

27 Microphone function selector switch (MIC)

OFF:

No microphone sound is output.

ON:

Microphone sound is output normally.

TALK OVER:

Microphone sound is output; when sound is input to a connected microphone, the **TALK OVER** function operates and all sound other than that from the microphone is attenuated by 20 dB.

Headphones output section

28 Headphone cue button/indicator (CH-1, CH-2, MASTER)

Press the button for the source you wish to monitor with headphones. When a button is OFF, its indicator lights dimly; when ON, the button indicator lights brightly.

When the [**ECHO**] effect is selected, the effect is not applied to headphone outputs if headphone cue buttons **CH-1** or **CH-2** are set to ON.

29 Headphones level adjust dial (LEVEL)

Adjusts the output level of the headphones jack.
(Adjustable range: $-\infty$ to 0 dB).

30 Headphones jack (PHONES)

Located on the unit's front panel.