DJX-II

SERVICE MANUAL



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IMPORTANT NOTICE

This manual has been provided for the use of authorized Yamaha Retailers and their service personnel. It has been assumed that basic service procedures inherent to the industry, and more specifically Yamaha Products, are already known and understood by the users, and have therefore not been restated.

WARNING: Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all Yamaha product owners that all service required should be performed by an authorized Yamaha Retailer or the appointed service representative.

IMPORTANT: This presentation or sale of this manual to any individual or firm does not constitute authorization, certification, recognition of any applicable technical capabilities, or establish a principal-agent relationship of any form.

The data provided is belived to be accurate and applicable to the unit(s) indicated on the cover. The research engineering, and service departments of Yamaha are continually striving to improve Yamaha products. Modifications are, therefore, inevitable and changes in specification are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground bus in the unit (heavy gauge black wires connect to this bus).

IMPORTANT: Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

WARNING: CHEMICAL CONTENT NOTICE!

The solder used in the production of this product contains LEAD. In addition, other electrical/electronic and/or plastic (where applicable) components may also contain traces of chemicals found by the California Health and Welfare Agency (and possibly other entities) to cause cancer and/or birth defects or other reproductive harm.

DO NOT PLACE SOLDER, ELECTRICAL/ELECTRONIC OR PLASTIC COMPONENTS IN YOUR MOUTH FOR ANY REASON WHAT SO EVER!

Avoid prolonged, unprotected contact between solder and your skin! When soldering, do not inhale solder fumes or expose eyes to solder/flux vapor!

If you come in contact with solder or components located inside the enclosure of this product, wash your hands before handling food.

■ WARNING

Components having special characteristics are marked ⚠ and must be replaced with parts having specification equal to those originally installed.

■ SPECIFICATIONS

● **KEYBOARD** 61 keys (C1~C6) ..without Touch Response

● **PATTERNS** Total 700 Preset Patterns and Variations
Preset 70 Patterns
User 5 Patterns .....Up to 85 KB for all User Patterns
Variation 10

● **ACTIVATORS**
Preset 52 Kits .....Including Auto function (00)
Variation 13 .....Loop: 5, One Shot: 8

● **VOICES**
Preset 203 .....180 Voices + 23 Drum Kits
User Sampled 1

● **POLYPHONY** 32 notes max.

● **EFFECTS**
Live Effector 10 Presets .....Distortion, Auto Pan, Ring Modulator, Flanger, Phaser, Slice, Delay, Echo, Lo-Fi, Wah
Reverb 11 Presets .....Can be set only via MIDI
Chorus 7 Presets .....Can be set only via MIDI
3 Bands Isolator
-12 dB~+12 dB
Key Shifter (Transpose)
-5 ~ 0 ~ +6
BPM (Tempo) 32~280
Audio BPM Counter

● **CONTROLLERS**
Ribbon Controller
Scratch 1, Scratch 2, Pitch Bend, Pitch & BPM
Part Controller Knobs
Volume, Cutoff, Resonance
Isolator Knobs
Low, Mid, High
Live Effector Knobs
Control, Balance
Other Knobs Input Volume, Master Volume
Part Mixer
Part Selector

● **SAMPLER**
6 pads .....Loop: 3, One Shot: 3
Quality 22 kHz/8 bit
RAM Capacity 128 KB .....About six seconds for all pads (maximum three seconds for one pad)

● **PERFORMANCE RECORDER**
6 pads
RAM Capacity 18 KB .....Approximately 2500 events for all six Pads

● **DISPLAY**
Multi Display 7-seg. LED x 4 digits
Keyboard LED LED x 27
Panel LED LED x 23

● **DEMONSTRATION**
3 songs

● **AUXILIARY JACKS**
MIDI MIDI IN .....MIDI Clock In, Remote Control, Tone Generator, Bulk Receive
MIDI OUT .....MIDI Clock Out, Keyboard Out, Bulk Send
Audio PHONES
LINE OUT (L, R) ..RCA Pin
MIC IN
LINE IN.....RCA Pin

● **AMPLIFIERS** 6 W + 6 W .....(when using PA-5C power adaptor)

● **SPEAKERS** 12 cm x 2.....Bass Reflex, 4.5-liter enclosure x 2

● **POWER SUPPLY**
Adaptor PA-5B, PA-5C
Batteries 6 x "D" size or SUM-1 or R-20

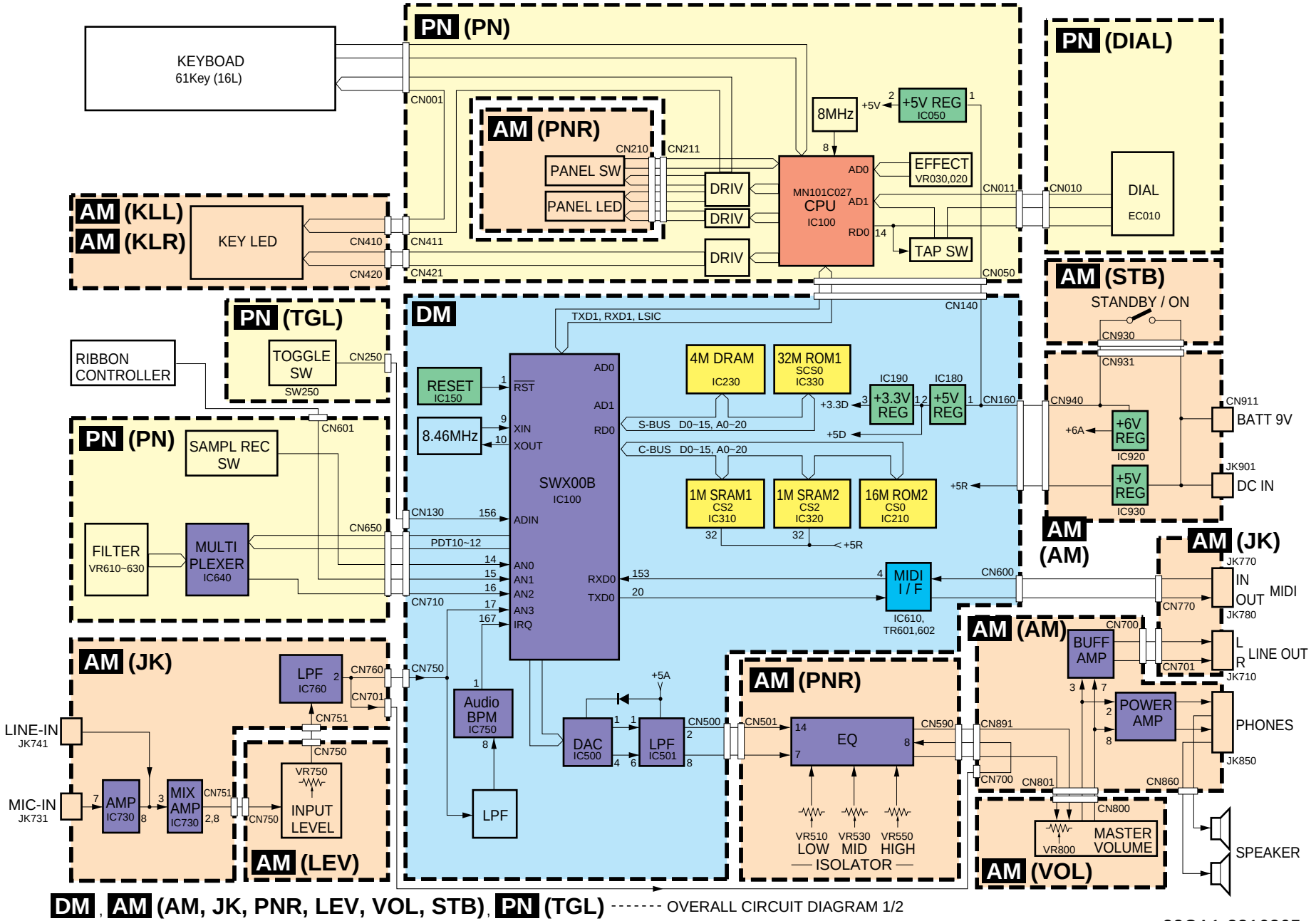
● **POWER CONSUMPTION**
20W

● **DIMENSIONS (W x D x H)**
933 x 370 x 129 mm
(36-3/4" x 14-5/8" x 5-1/6")

● **WEIGHT** 6.7 kg (14 lbs., 12 oz.)

● **SUPPLIED ACCESSORIES**
Owner's Manual x 1

● **OPTIONAL ACCESSORIES**
Headphones HPE-150, HPE-3
Keyboard Stand
L-2L, L-2C



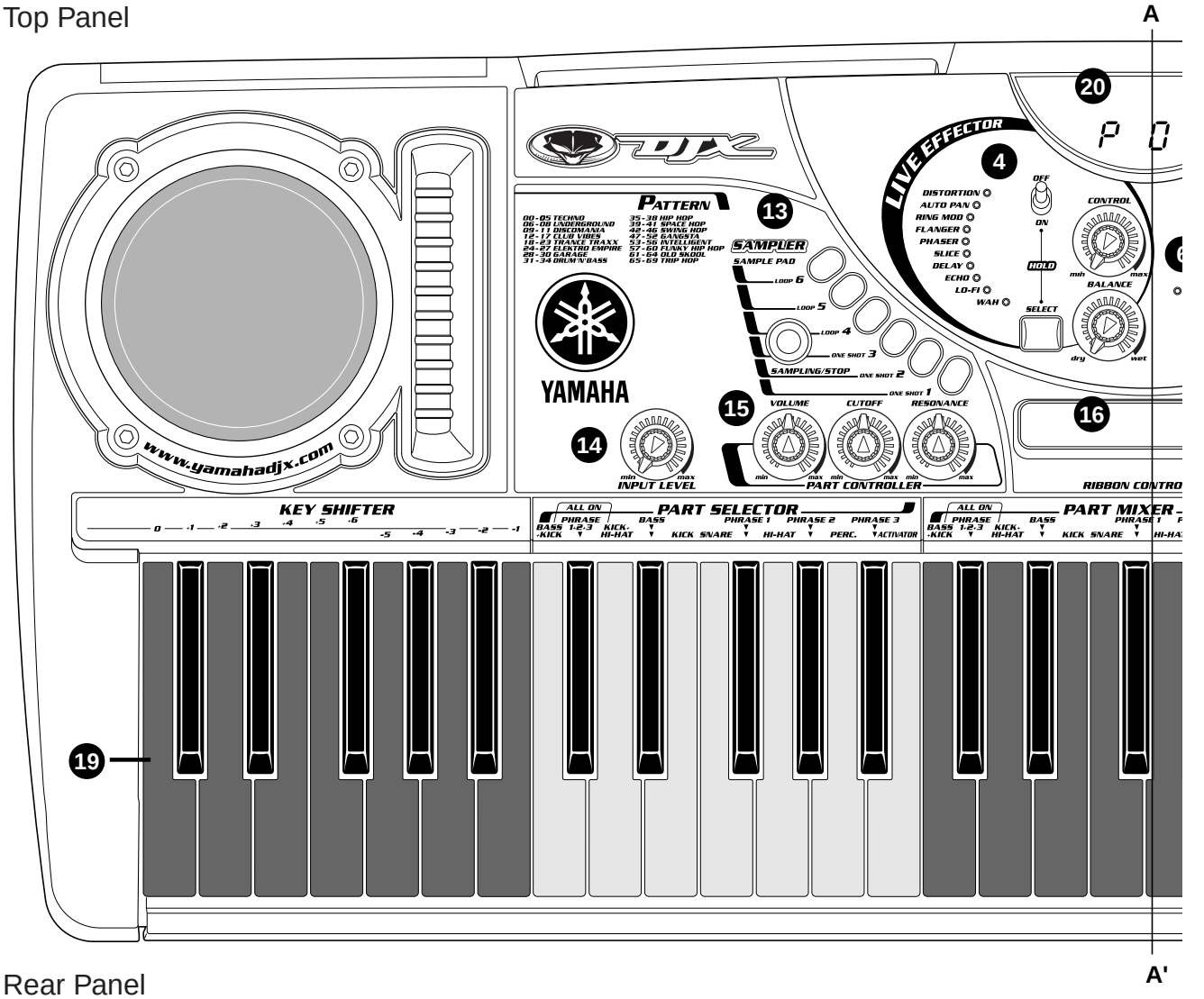
DM , AM (AM, JK, PNR, LEV, VOL, STB), PN (TGL) ------- OVERALL CIRCUIT DIAGRAM 1/2

AM (KLL, KLR), PN (PN, DIAL), MK ---------- OVERALL CIRCUIT DIAGRAM 2/2

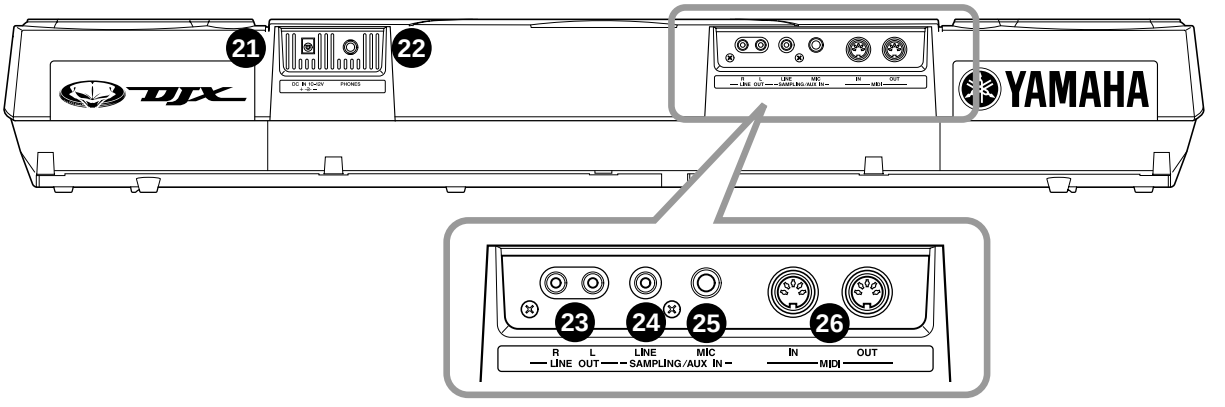
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■ PANEL LAYOUT

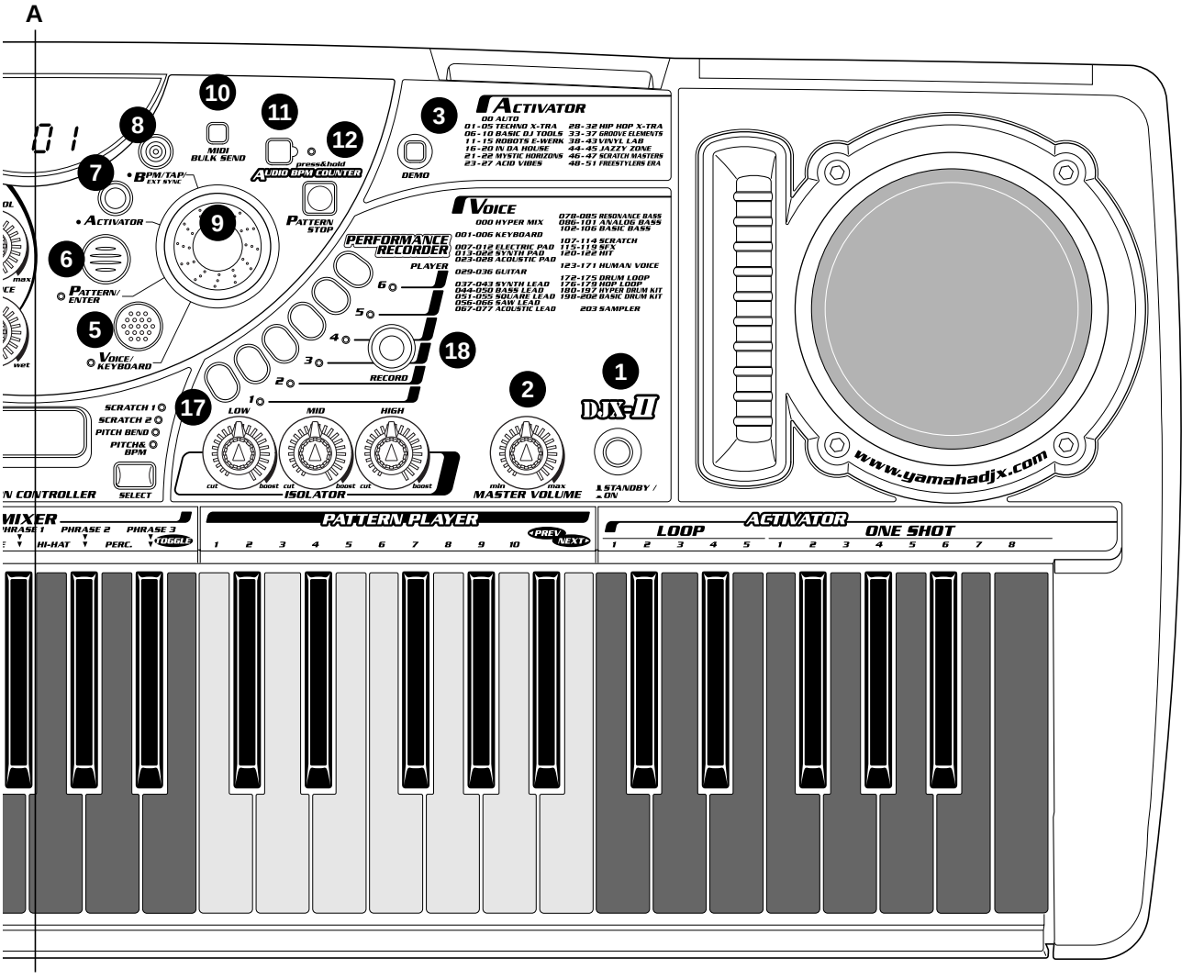
● Top Panel



● Rear Panel



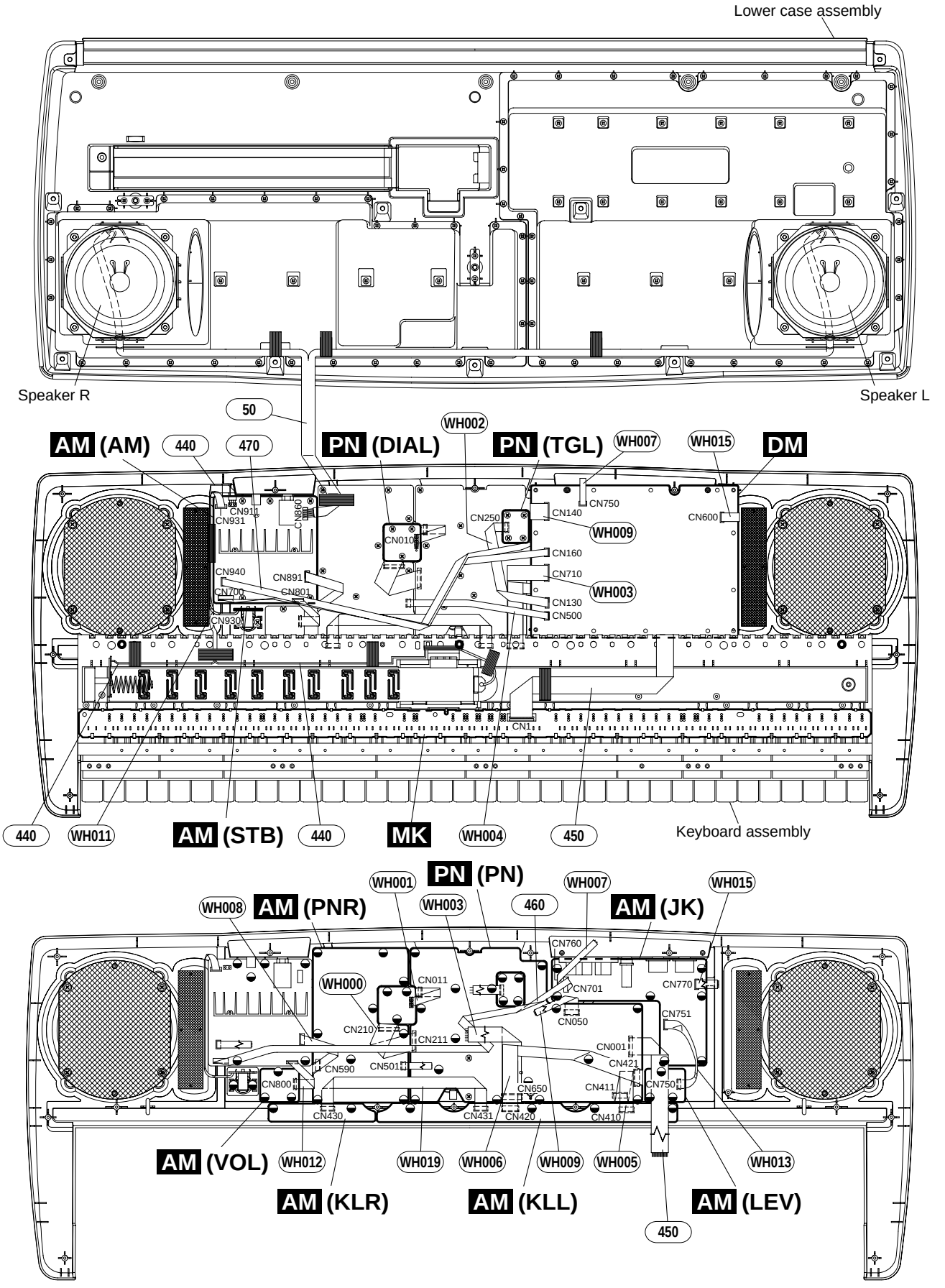
1. STANDBY/ON switch
2. MASTER VOLUME
3. DEMO button
4. LIVE EFFECTOR section
5. VOICE/KEYBOARD button
6. PATTERN/ENTER button
7. ACTIVATOR button



8 BPM/TAP button
9 Data dial
10 MIDI BULK SEND button
11 AUDIO BPM COUNTER button
12 PATTERN STOP button
13 SAMPLER buttons
14 INPUT LEVEL knob
15 PART CONTROLLER knobs
16 RIBBON CONTROLLER
17 ISOLATOR knobs
18 PERFORMANCE RECORDER buttons

19 Keyboard
20 Display
21 DC-IN 10-12V jack
22 PHONES jacks
23 LINE OUT L/R jacks
24 SAMPLING/AUX IN (LINE) jack
25 SAMPLING/AUX IN (MIC) jack
26 MIDI IN/OUT jacks

■ CIRCUIT BOARD LAYOUT



Location	Part No.	Connector Assembly	Destination		Remarks
450	(V562690)	KBD	PN(PN)-CN001	MK-CN1	17P
WH000	(V564200)	PNR	PN(PN)-CN211	AM(PNR)-CN210	10P
WH001	(V564210)	DIA	PN(PN)-CN011	PN(DIAL)-CN010	4P
WH002	(V564220)	TGL	PN(TGL)-CN250	DM-CN130	3P
WH003	(V564230)	ADI	PN(PN)-CN650	DM-CN710	9P
WH009	(V564300)	PSC	PN(PN)-CN050	DM-CN140	7P
WH005	(V564250)	KL1	PN(PN)-CN411	AM(KLL)-CN410	7P
WH006	(V629180)	KL2	PN(PN)-CN421	AM(KLL)-CN420	7P
WH004	(V564240)	ANA	AM(PNR)-CN501	DM-CN500	4P
WH008	(V564290)	AMI	AM(PNR)-CN590	AM(AM)-CN891	5P
WH015	(V629270)	MID	AM(JK)-CN770	DM-CN600	4P
WH007	(V629260)	MIC	AM(JK)-CN760	DM-CN750	3P
460	(V562700)	LNO	AM(JK)-CN701	AM(AM)-CN700	6P
WH013	(V564330)	LEV	AM(LEV)-CN750	AM(JK)-CN751	3P
WH012	(V564320)	VOL	AM(VOL)-CN800	AM(AM)-CN801	5P
WH011	(V564310)	STB	AM(STB)-CN930	AM(AM)-CN931	4P
470	(V562710)	DMV	AM(AM)-CN940	DM-CN160	5P
440	(V562660)	BAT	BATTERY	AM(AM)-CN911	2P
50	(V562680)	SPO	SPEAKER	AM(AM)-CN860	4P
WH019	(V629190)	KLR	AM(KLL)-CN431	AM(KLR)-CN430	6P

* Connector assembly listed above are not available as service parts.

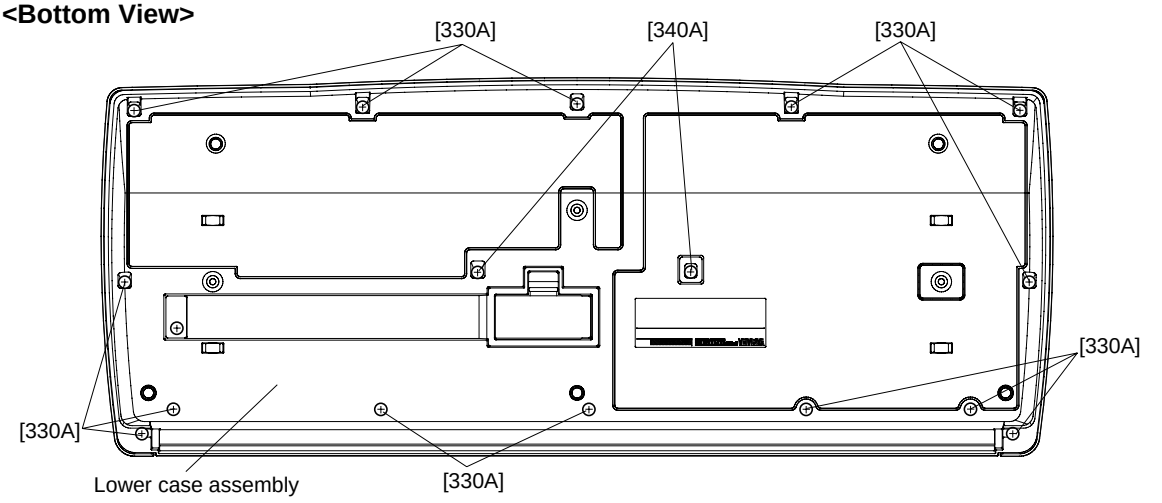
■ DISASSEMBLY PROCEDURE

1. Lower Case Assembly

1-1 Remove the battery cover assembly. (Fig. 1)

1-2 Remove the fifteen (15) screws marked [330A] and the two (2) screws marked [340A]. The lower case assembly can then be removed. (Fig. 1)

<Bottom View>



[330A]: Bind Head Tapping Screw-P 3.0X12 MFZN2Y (EP600300)
[340A]: Bind Head Tapping Screw-P 3.0X25 MFZN2Y (VK228100)

Fig. 1

2. DM Circuit Board

2-1 Remove the lower case assembly. (See procedure 1.)

2-2 Remove the four (4) screws marked [330B]. The DM circuit board can then be removed with the shield box U and L. (Fig. 2)

2-3 Remove the ten (10) screws marked [310A]. The shield box U and L can then be removed from the DM circuit board. (Fig. 2)

3. AM(AM), AM(VOL), AM(STB) and PN(DIAL) Circuit Boards

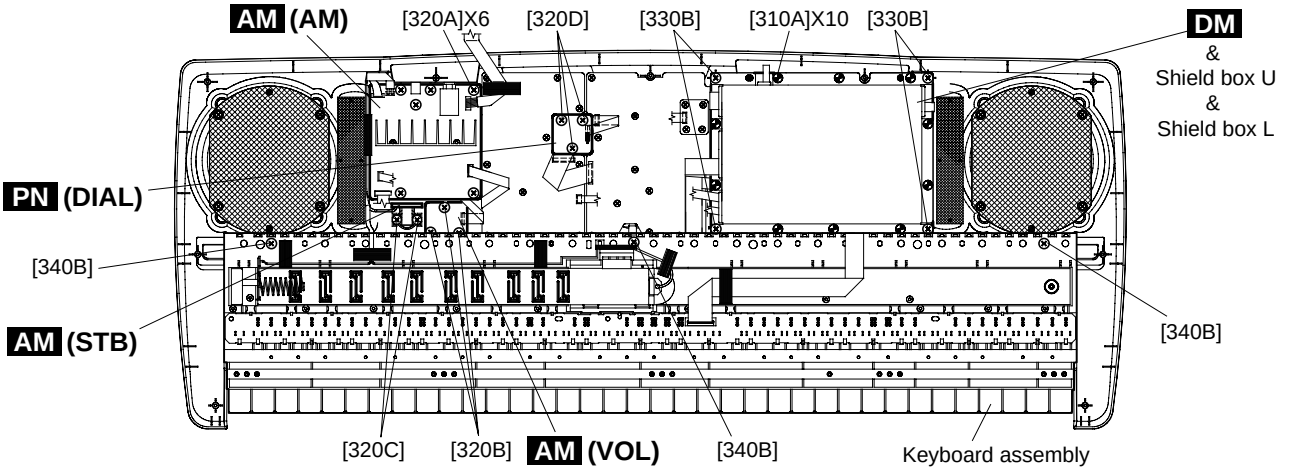
3-1 Remove the lower case assembly. (See procedure 1.)

3-2 AM(AM) Circuit Board:
Remove the six (6) screws marked [320A]. The AM(AM) circuit board can then be removed. (Fig. 2)

3-3 AM(VOL) Circuit Board:
Pull out the rotary knob for [MASTER VOLUME] in the control panel. Remove the three (3) screws marked [320B]. The AM(VOL) circuit board can then be removed. (Fig. 2)

3-4 AM(STB) Circuit Board:
Remove the two (2) screws marked [320C]. The AM(STB) circuit board can then be removed. (Fig. 2)

3-5 PN(DIAL) Circuit Board:
Pull out the encoder knob in the control panel. Remove the three (3) screws marked [320D]. The PN(DIAL) circuit board can then be removed. (Fig. 2)



[310A]: Bind Head Tapping Screw-B 3.0X8 MFZN2BL (EP600190)
[320]: Bind Head Tapping Screw-P 3.0X8 MFZN2Y (EP600280)
[330B]: Bind Head Tapping Screw-P 3.0X12 MFZN2Y (EP600300)
[340B]: Bind Head Tapping Screw-P 3.0X25 MFZN2Y (VK228100)

Fig. 2

4. AM(JK), AM(LEV) and PN(TGL) Circuit Boards

4-1 Remove the lower case assembly. (See procedure 1.)

4-2 Remove the DM circuit board. (See procedure 2.)

4-3 AM(JK) Circuit Board:
Remove the two (2) screws marked [310B] and the seven (7) screws marked [320E]. The AM(JK) circuit board can then be removed. (Fig. 3, 4)

4-4 AM(LEV) Circuit Board:
Pull out the rotary knob for [INPUT LEVEL] in the control panel. Remove the three (3) screws marked [320F]. The AM(LEV) circuit board can then be removed. (Fig. 4)

4-5 PN(TGL) Circuit Board:
Remove the four (4) screws marked [320G]. The PN(TGL) circuit board can then be removed. (Fig. 4)

5. Keyboard Assembly

5-1 Remove the lower case assembly. (See procedure 1.)

5-2 Remove the three (3) screws marked [340B]. The keyboard assembly can then be removed. (Fig. 2)

6. AM(PNR), AM(KLR), AM(KLL), PN(PN) Circuit Boards and Ribbon Controller

6-1 Remove the lower case assembly. (See procedure 1.)

6-2 Remove the DM circuit board. (See procedure 2.)

6-3 Remove the keyboard assembly. (See procedure 5.)

6-4 AM(PNR) Circuit Board:
Pull out the three rotary knobs for [ISOLATOR] in the control panel. Remove the nine (9) screws marked [320H]. The AM(PNR) circuit board can then be removed. (Fig. 4)

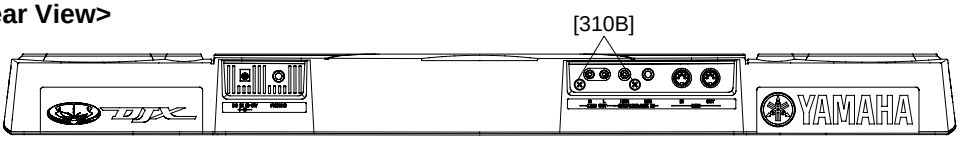
6-5 AM(KLR) Circuit Board:
Remove the two (2) screws marked [320I]. The AM(KLR) circuit board can then be removed. (Fig. 4)

6-6 AM(KLL) Circuit Board:
Remove the four (4) screws marked [320J]. The AM(KLL) circuit board can then be removed. (Fig. 4)

6-7 PN(PN) Circuit Board:
Pull out the two rotary knobs for [LIVE EFFECTOR] and the three knobs for [PART CONTROLLER] in the control panel. Remove the fifteen (15) screws marked [320K]. The PN(PN) circuit board can then be removed. (Fig. 4)

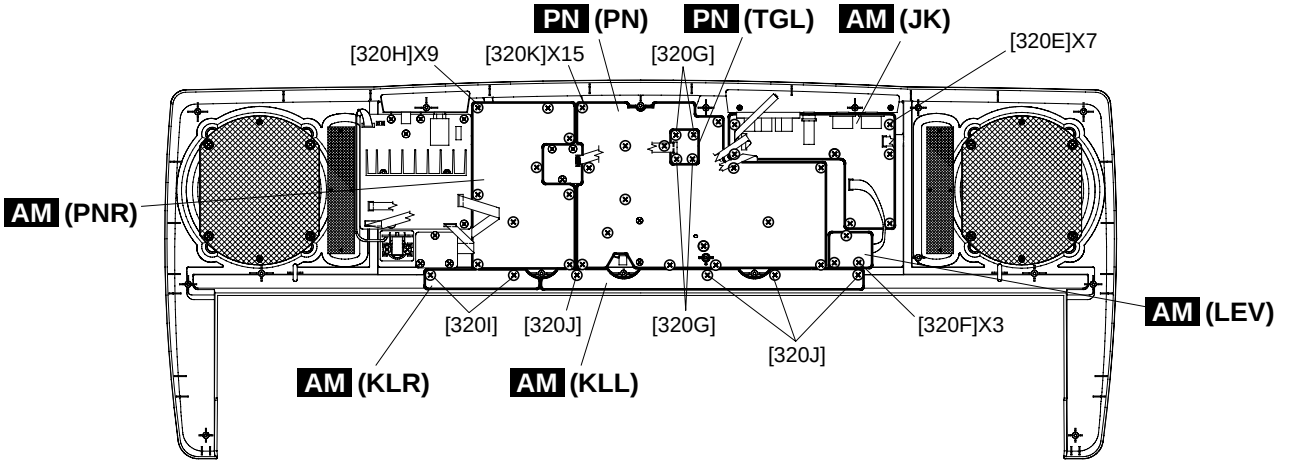
6-8 Ribbon Controller:
Remove the PN(PN) circuit board. (See procedure 6-7.)
Remove the two (2) screws marked [320L]. The ribbon controller can then be removed from the PN(PN) circuit board. (Fig. 5)

<Rear View>



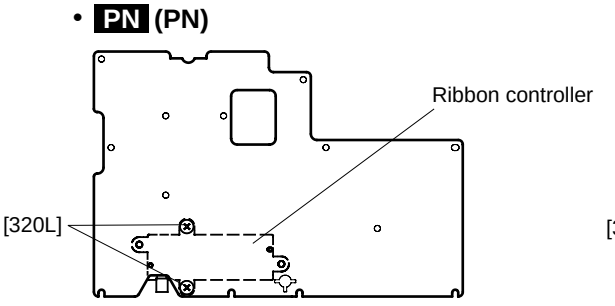
[310B]: Bind Head Tapping Screw-B 3.0X8 MFZN2BL (EP600190)

Fig. 3



[320]: Bind Head Tapping Screw-P 3.0X8 MFZN2Y (EP600280)

Fig. 4



[320L]: Bind Head Tapping Screw-P 3.0X8 MFZN2Y (EP600280)

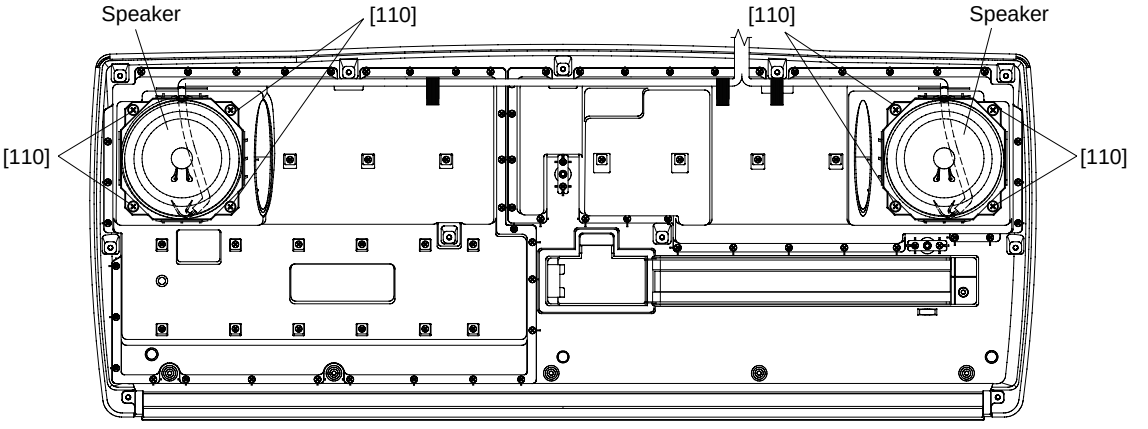
Fig. 5

7. Speakers

7-1 Remove the lower case assembly. (See procedure 1.)

7-2 Remove the eight (8) screws marked [110]. The right and left speakers can then be removed. (Fig. 6)

• Lower case assembly



[110]: Bind Head Tapping Screw-P 4.0X10 MFZN2Y (EP640500)

Fig. 6

8. Disassembling the keyboard assembly

8-1 Remove the keyboard assembly. (See procedure 5.)

8-2 Remove the MK circuit board while pressing the fifteen (15) hooks A inward, and then remove the rubber contact. (Fig. 7)

8-3 Remove the twenty-one (21) screws marked [11], then remove the black keys from the lower notes. Afterwards, remove the white keys DFA and C' and then remove the white keys CEGB from the higher notes. At this time, lift the keys from the front and slide them towards you. the keys can then be removed from the assembly. (Fig. 8)

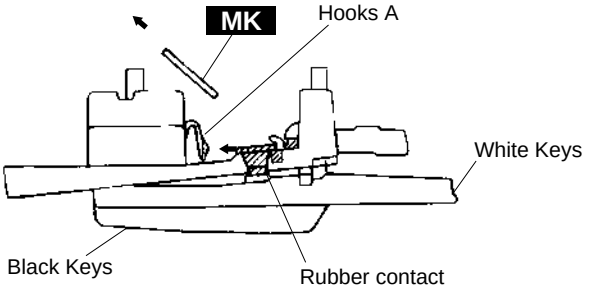
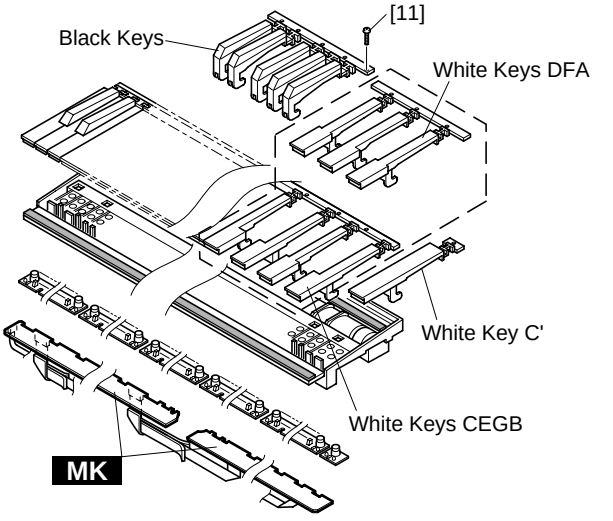


Fig. 7



[11]: Bind Head Tapping Screw-P 3.0X6 MFZN2Y (EP600310) or
Bind Head Tapping Screw-P 3.0X16 MFZN2B (VS756700)

Fig. 8

9. Assembling the keyboard assembly

9-1 Install the white keys CEGB from the lower notes, and then install the DFA keys and C' key. Afterwards install the black keys from the higher notes, and tighten the twenty-one (21) screws marked [11]. (Fig. 8)

9-2 Install the rubber contacts in the assembly while pressing the keys as shown in Figure 9. Check that the rubber contact has been firmly placed into position in the area indicated by the arrow in Figure 10.

* When fitting the rubber contacts, raise both ends of the frame so that keys do not push the rubber contact up.

Install the MK circuit board in the assembly so that the hooks B hold it as shown in Figure 11. (Fig. 9, 10, 11)

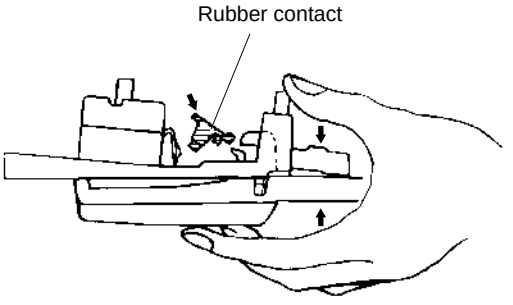


Fig. 9

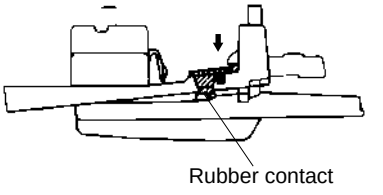


Fig. 10

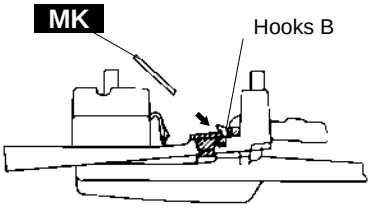


Fig. 11

■ LSI PIN DESCRIPTION

● **HG73C205AFD** (XU947C00) **SWX00B** (Tone Generator)

DM: IC100

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	ICN	I	Initial clear	85	CMA3	O	Program address bus
2	RFCLKI	I	PLL Clock	86	CMA8	O	Program address bus
3	TM2	I	PLL Control	87	CMA2	O	Program address bus
4	AVDD_PLL		Power supply	88	CRD	O	read signal
5	AVSS_PLL		Ground	89	CMA1	O	Program address bus
6	MODE0	I	SWX dual mode	90	CUB	O	high byte effective signal
7	VCC7		Power supply	91	VCC91		Power supply
8	GND8		Ground	92	GHND92		Ground
9	XIN	I	crystal oscillator	93	CS1	O	CS signal
10	XOUT	O	crystal oscillator	94	CMA0	O	Program address bus
11	MODE1	I	SWX separate mode	95	CLB	O	low byte effective signal
12	TEST0	I	TEST pin	96	CMA12	O	Program address bus
13	TESTON	I	TEST pin	97	CMA11	O	Program address bus
14	AN0-P40	I	A/D converter	98	CMA10	O	Program address bus
15	AN1-P41	I	A/D converter	99	CMA9	O	Program address bus
16	AN2-P42	I	A/D converter	100	GND100		Ground
17	AN3-P43	I	A/D converter	101	CWE	O	write signal
18	AVDD_AN		Power supply	102	CMA16	O	Program address bus
19	AVSS_AN		Ground	103	CMA15	O	Program address bus
20	TXD0	O	for MIDI or TO-HOST	104	CMA14	O	Program address bus
21	TXD1	O	for MIDI	105	CMA13	O	Program address bus
22	EXCLK	I	Crystal oscillator	106	CMD8	I/O	Program memory Data bus
23	SMD11	I/O	Wave memory data bus	107	CMD7	I/O	Program memory Data bus
24	SMD4	I/O	Wave memory data bus	108	CMD9	I/O	Program memory Data bus
25	SMD3	I/O	Wave memory data bus	109	CMD6	I/O	Program memory Data bus
26	SMD12	I/O	Wave memory data bus	110	CMD10	I/O	Program memory Data bus
27	SMD10	I/O	Wave memory data bus	111	CMD5	I/O	Program memory Data bus
28	SMD5	I/O	Wave memory data bus	112	CMD11	I/O	Program memory Data bus
29	SMD2	I/O	Wave memory data bus	113	CMD4	I/O	Program memory Data bus
30	SMD13	I/O	Wave memory data bus	114	CMD12	I/O	Program memory Data bus
31	SMD9	I/O	Wave memory data bus	115	CMD3	I/O	Program memory Data bus
32	SMD6	I/O	Wave memory data bus	116	CMD13	I/O	Program memory Data bus
33	SMD1	I/O	Wave memory data bus	117	CMD2	I/O	Program memory Data bus
34	SMD14	I/O	Wave memory data bus	118	CMD14	I/O	Program memory Data bus
35	VCC35		Power supply	119	VCC119		Power supply
36	GND36		Ground	120	GND115		Ground
37	SMD8	I/O	Wave memory data bus	121	CMD1	I/O	Program memory Data bus
38	SMD7	I/O	Wave memory data bus	122	CMD15	I/O	Program memory Data bus
39	SMD0	I/O	Wave memory data bus	123	CMD0	I/O	Program memory Data bus
40	SMD15	I/O	Wave memory data bus	124	CMA21	O	Program address bus
41	SOE	O	read signal	125	PDT15	I/O	SWX access data bus
42	SWE	O	write signal	126	PDT14	I/O	SWX access data bus
43	SRAS	O	RAS signal	127	PDT13	I/O	SWX access data bus
44	SCAS	O	CAS signal	128	PDT12	I/O	SWX access data bus
45	REFRESH	O	REFRESH signal	129	PDT11	I/O	SWX access data bus
46	CS0	O	CS signal	130	PDT10	I/O	SWX access data bus
47	SMA0	O	Memory address bus	131	PDT9	I/O	SWX access data bus
48	SMA16	O	Memory address bus	132	PDT8	I/O	SWX access data bus
49	VCC49		Power supply	133	VCC133		Power supply
50	GND50		Ground	134	GND134		Ground
51	SMA1	O	Memory address bus	135	PDT7	I/O	SWX access data bus
52	SMA15	O	Memory address bus	136	PDT6	I/O	SWX access data bus
53	SMA2	O	Memory address bus	137	PDT5	I/O	SWX access data bus
54	SMA14	O	Memory address bus	138	PDT4	I/O	SWX access data bus
55	SMA3	O	Memory address bus	139	PDT3	I/O	SWX access data bus
56	SMA13	O	Memory address bus	140	PDT2	I/O	SWX access data bus
57	SMA4	O	Memory address bus	141	PDT1	I/O	SWX access data bus
58	SMA12	O	Memory address bus	142	PDT0	I/O	SWX access data bus
59	SMA5	O	Memory address bus	143	VCA143		Power supply
60	GND60		Ground	144	GND144		Ground
61	VCC61		Power supply	145	PAD2	I	SWX access address bus
62	SMA11	O	Memory address bus	146	PAD1	I	SWX access address bus
63	SMA6	O	Memory address bus	147	PAD0	I	SWX access address bus
64	SMA10	O	Memory address bus	148	VCC148		Power supply
65	SMA7	O	Memory address bus	149	GND149		Ground
66	SMA9	O	Memory address bus	150	PCS	I	Chip select
67	SMA17	O	Memory address bus	151	PWR	I	write enable
68	SMA8	O	Memory address bus	152	PRD	I	read enable
69	SMA18	O	Memory address bus	153	RXD0	I	for Midi or TO-HOST
70	SMA19	O	Memory address bus	154	RXD1	I	for Midi or Key scan
71	SMA20	O	Memory address bus	155	SCLKI	I	EXT Clock
72	SMA21	O	Memory address bus	156	ADIN	I	A/D converter
73	SMA22	O	Memory address bus	157	ADLR	O	A/D converter LR clock
74	SMA23	O	Memory address bus	158	DO0	O	DAC
75	CMA20	O	Program address bus	159	DO1	O	DAC
76	CMA19	O	Program address bus	160	SYSCLK	O	1/2 clock
77	VCC77		Power supply	161	VCC161		Power supply
78	GND78	O	Ground	162	GND162		Ground
79	CMA18	O	Program address bus	163	WCLK	O	for DAC LR clock
80	CMA17	O	Program address bus	164	QCLK	O	1/12 clock
81	CMA5	O	Program address bus	165	BCLK	O	IIS-DAC clock
82	CMA6	O	Program address bus	166	SYI	I	Synch signal
83	CMA4	O	Program address bus	167	IRQ0	I	Interrupt request
84	CMA7	O	Program address bus	168	NMI	I	Interrupt request

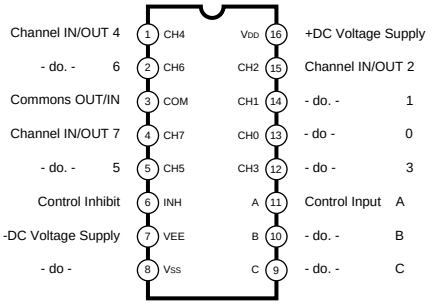
● **MN101C027YB** (XS711200) **CPU**

PN: IC100

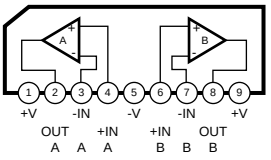
PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	S1	I	Switch matrix data	33	S12	I	Switch matrix data
2	S2	I		34	S13	I	
3	S3	I		35	S14	I	
4	S4	I		36	TXD	O	MIDI transmit data
5	S5	I		37	S15	I	Switch matrix data
6	VREF+	-	Power supply (+5V, analog)	38	S16	I	
7	VDD	-	Power supply (+5V)	39	S17	I	
8	OSC2	O	Crystal oscillator (8MHz)	40	S18	I	
9	OSC1	I	Crystal oscillator (8MHz)	41	L16	O	LED drive data
10	VSS	-	Ground	42	L17	O	
11	XI	I	Not used	43	L18	O	
12	XO	O	Not used	44	L19	O	
13	MMOD	I	Memory mode select (Grounded)	45	L8	O	
14	RD0	O	Rotary encoder data	46	L9	O	
15	RXD	I	MIDI receive data	47	L10	O	
16	D0	O	LED and switch drive data	48	L11	O	
17	D1	O		49	L12	O	
18	D2	O		50	L13	O	
19	D3	O		51	L14	O	
20	D4	O		52	L15	O	
21	/RST	I	Reset	53	L7	O	LED and switch drive data
22	D5	O	LED and switch drive data	54	L6	O	
23	D6	O		55	L5	O	
24	D7	O		56	L4	O	
25	D8	O		57	L3	O	
26	D9	O		58	L2	O	
27	S6	I	Switch matrix data	59	L1	O	
28	S7	I		60	L0	O	
29	S8	I		61	VREF	-	Grounded
30	S9	I		62	AD0	I	Analog input
31	S10	I		63	AD1	I	Analog input
32	S11	I		64	S0	I	Switch matrix data

■ IC BLOCK DIAGRAM

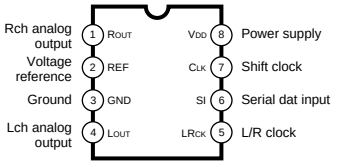
● **TC74HC4051AF-TP** (XR056A00)
Single 8-Channel Multiplexer/Demultiplexer
PN: IC640



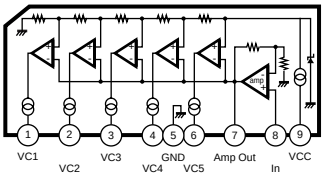
● **µPC4572HA** (XF633A00)
Dual Operational Amplifier
AM: IC700,730,760
DM: IC501



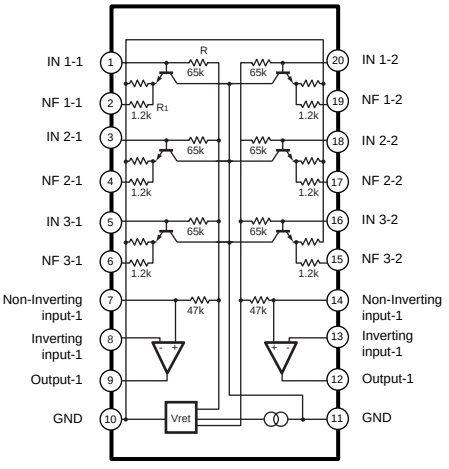
● **µPD6379AGR** (XR998A00)
D/A Converter
DM: IC500



● **LB1443N** (XF483A00)
LED Driver
DM: IC750



● **M5243AP06** (XU911A00)
Graphic Equalizer
AM: IC510

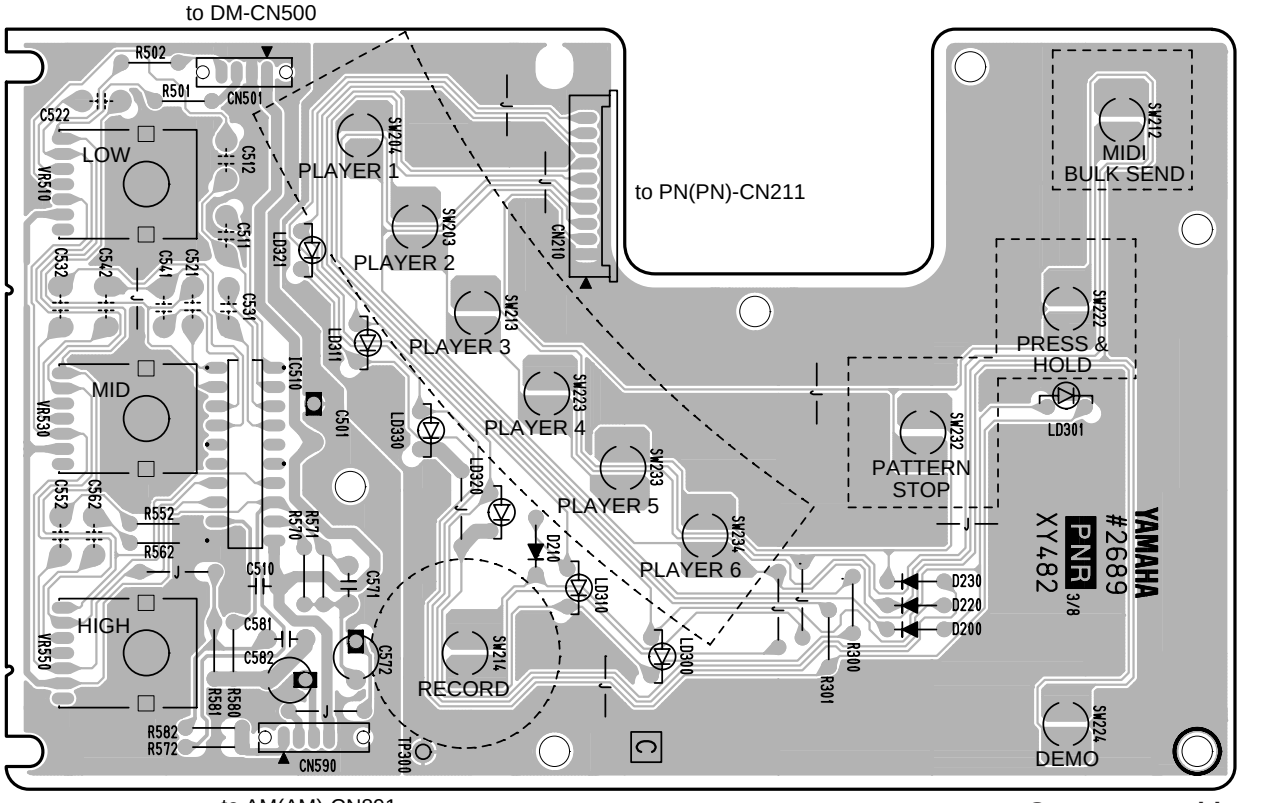


■ CIRCUIT BOARDS

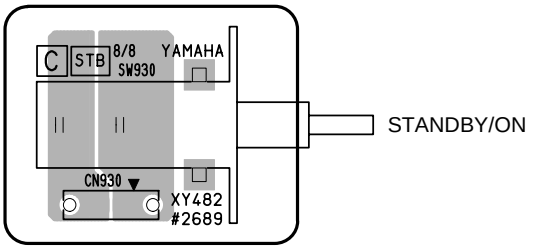
AM(AM) Circuit Board (XY482C0) ····· 18
AM(JK) Circuit Board (XY482C0) ····· 25
AM(KLL) Circuit Board (XY482C0) ····· 18
AM(KLR) Circuit Board (XY482C0) ····· 25
AM(LEV) Circuit Board (XY482C0) ····· 25
AM(PNR) Circuit Board (XY482C0) ····· 17
AM(STB) Circuit Board (XY482C0) ····· 17
AM(VOL) Circuit Board (XY482C0) ····· 25
DM Circuit Board (XY481C0) ····· 19
PN(DIAL) Circuit Board (XY557C0) ····· 22
PN(PN) Circuit Board (XY557C0) ····· 21
PN(TGL) Circuit Board (XY557C0) ····· 22

Note: See parts list for details of circuit board component parts.

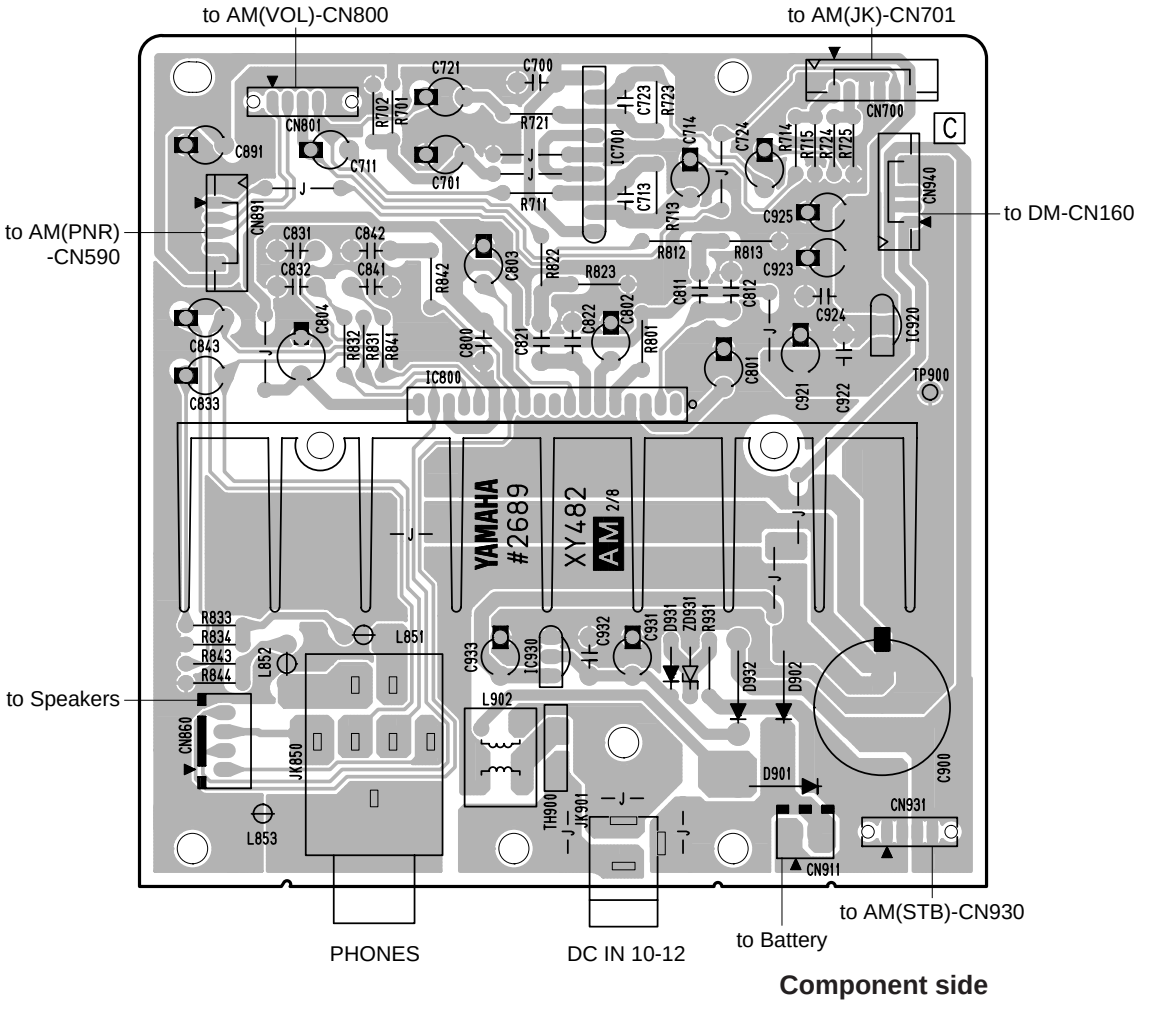
● AM(PNR) Circuit Board



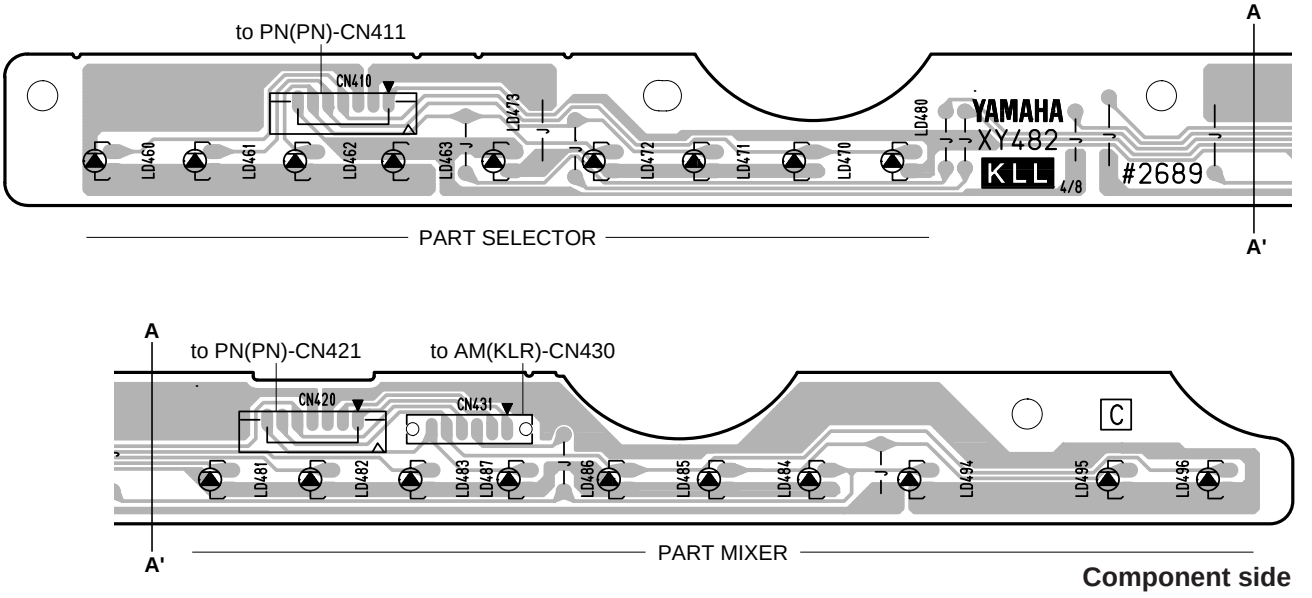
● AM(STB) Circuit Board



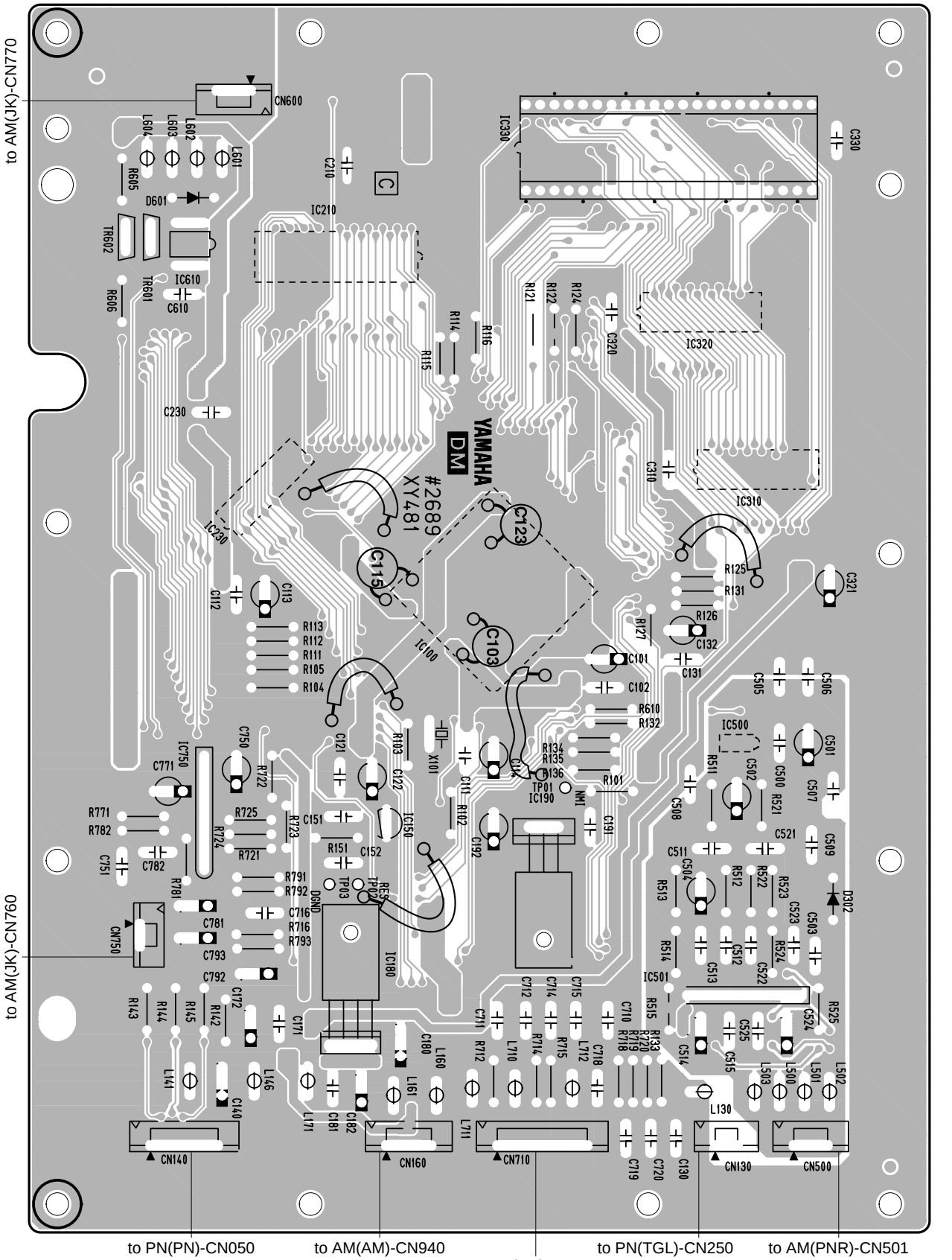
● AM(AM) Circuit Board



● AM(KLL) Circuit Board



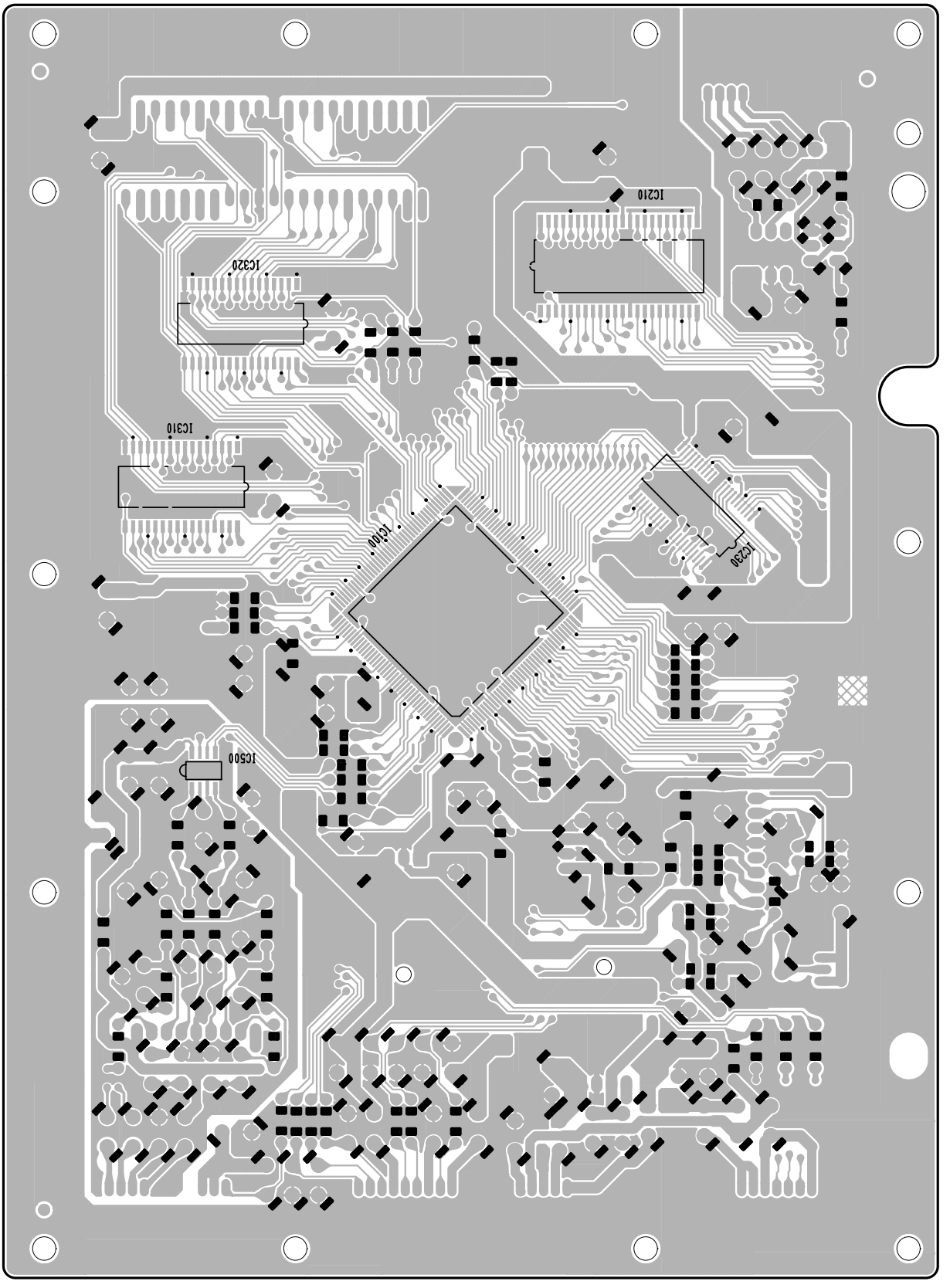
● DM Circuit Board



Component side

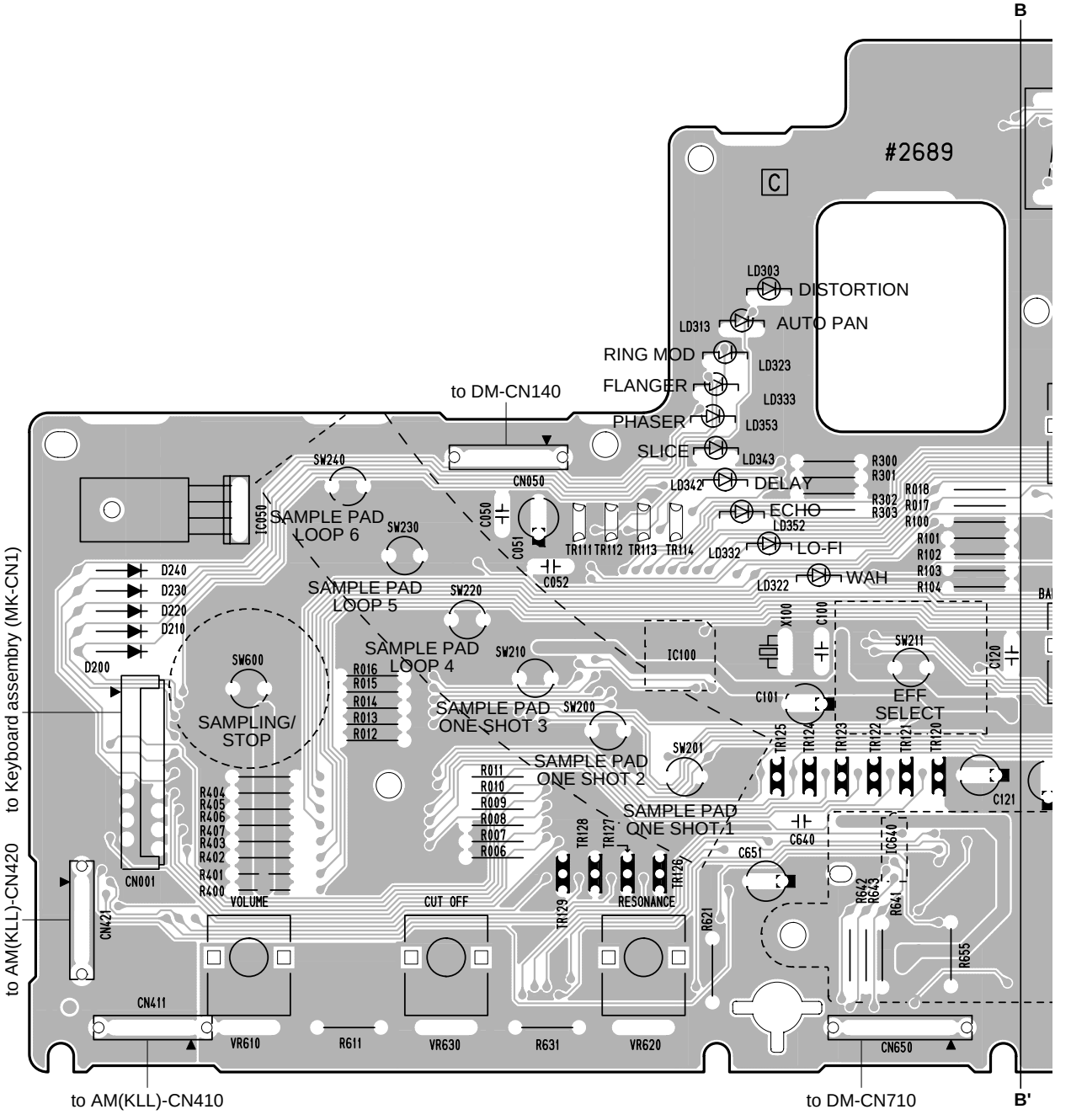
2NA-V527520-1 ⚠5

● DM Circuit Board

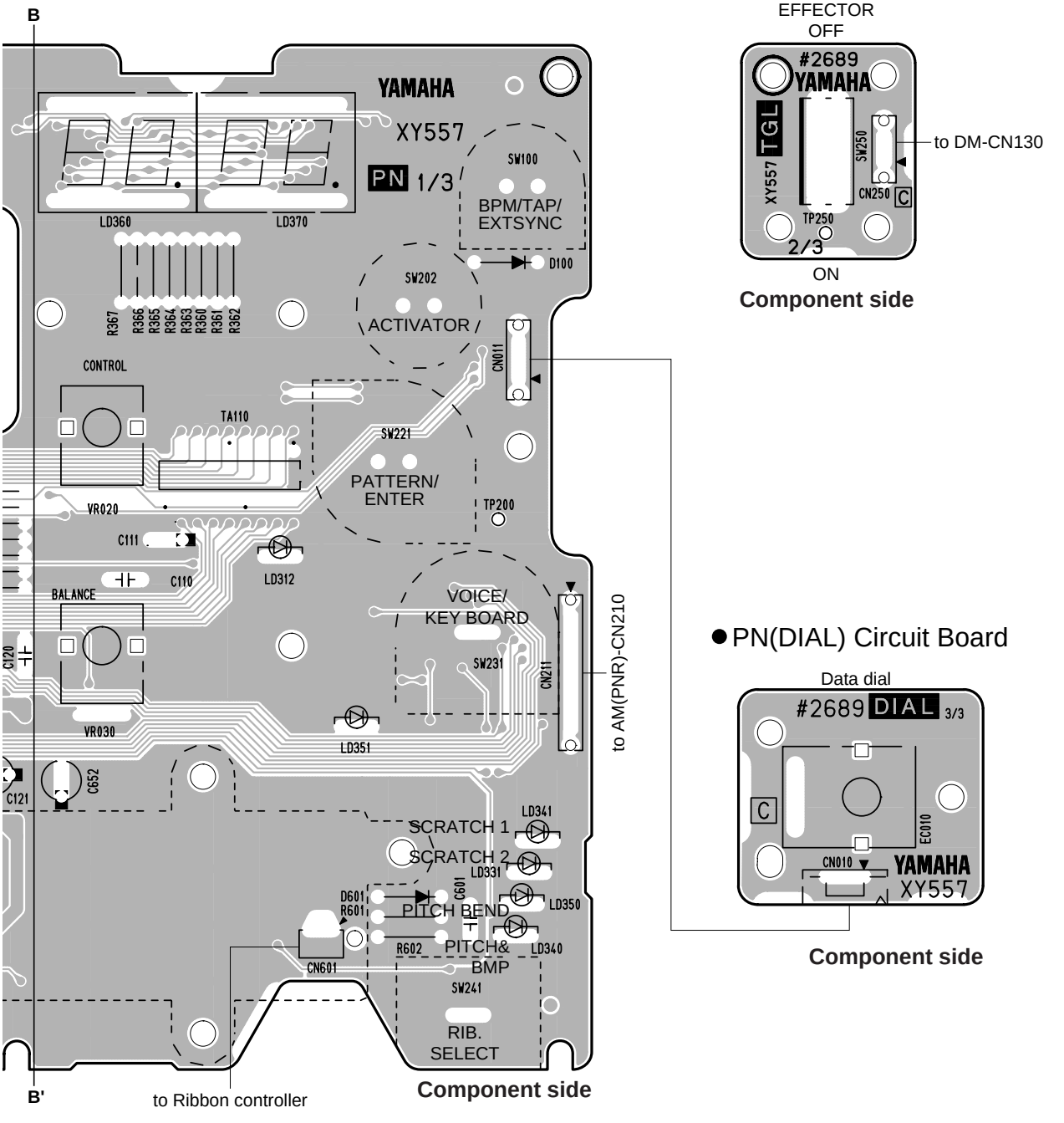


Pattern side

● PN(PN) Circuit Board



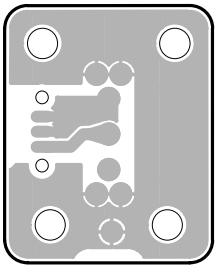
● PN(TGL) Circuit Board



● PN(DIAL) Circuit Board

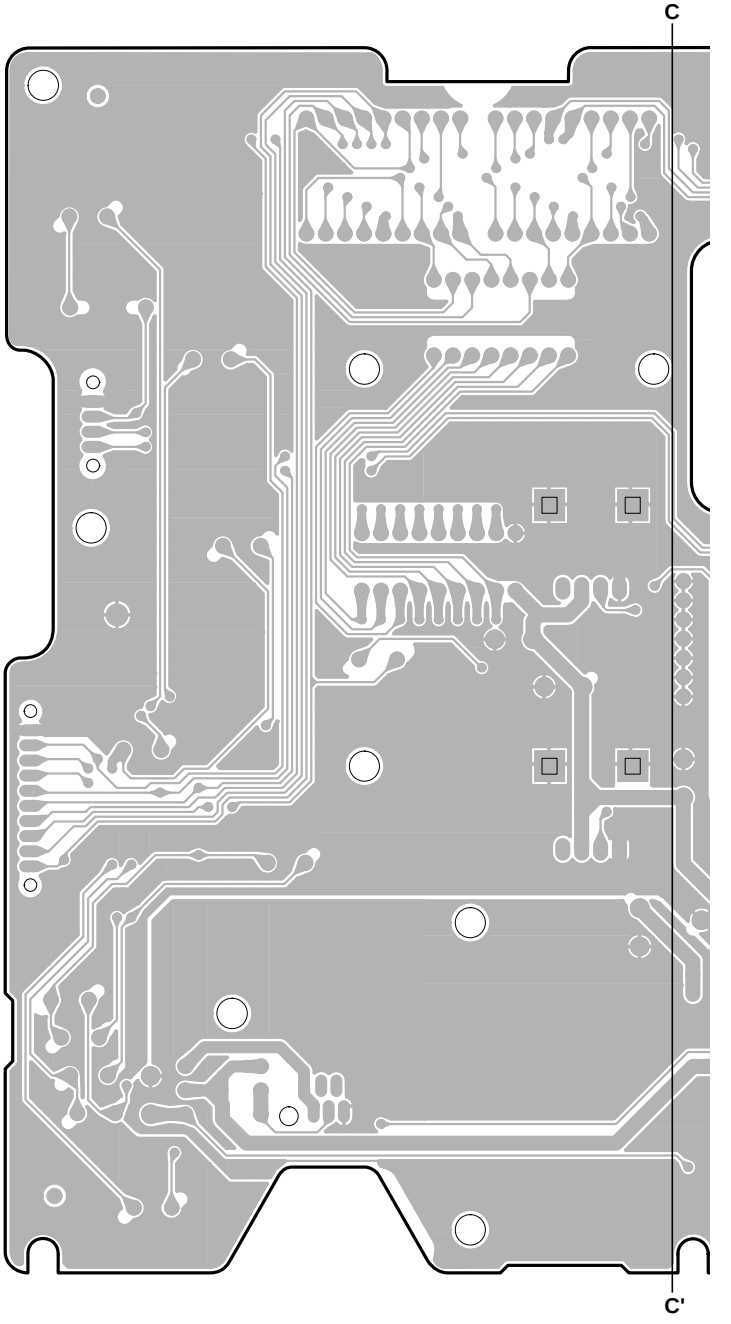
Component side

● PN(TGL) Circuit Board

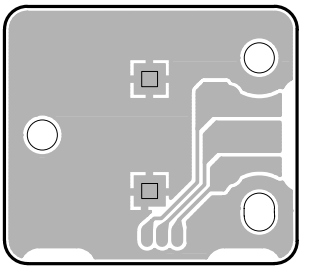


Pattern side

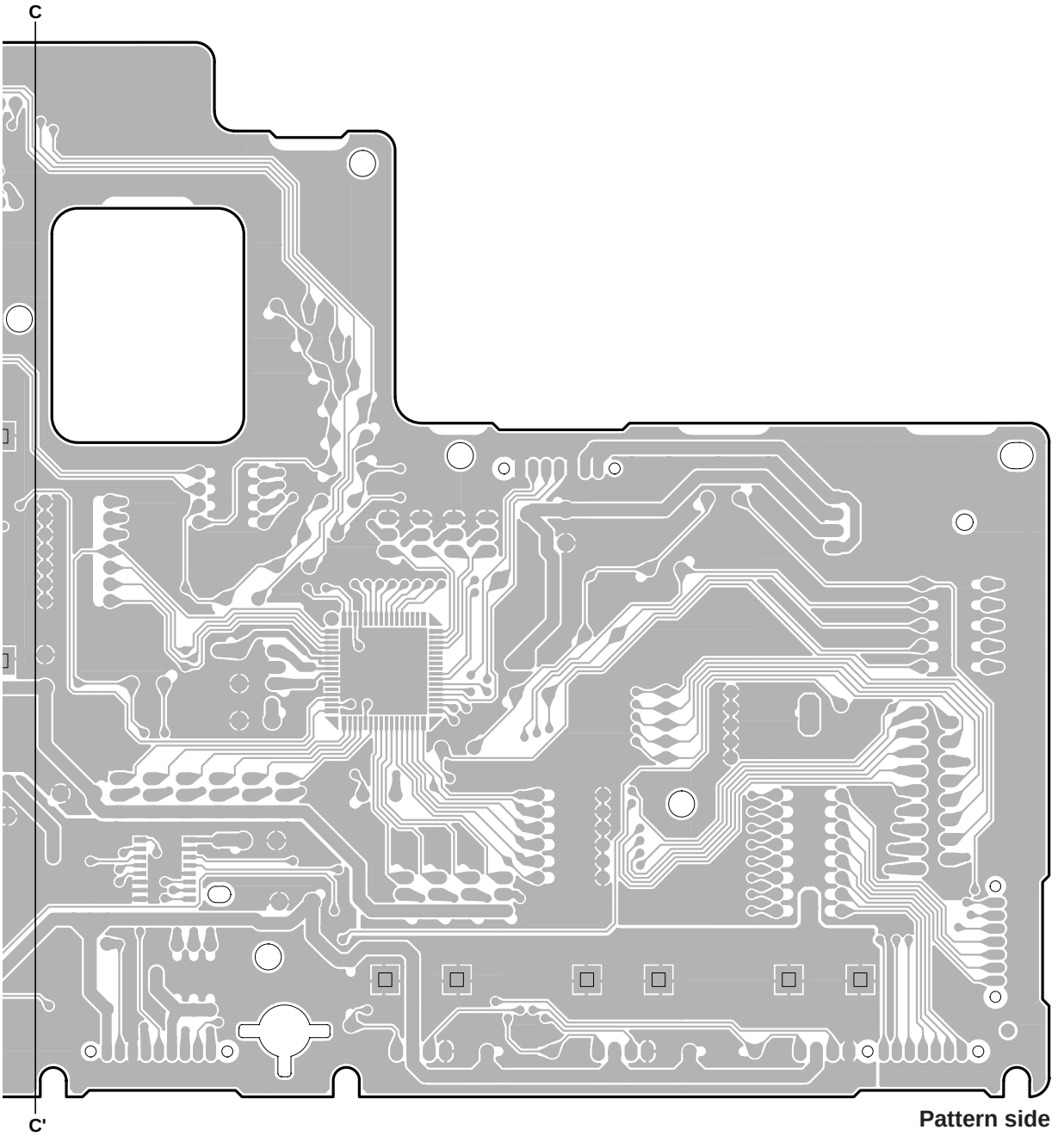
● PN(PN) Circuit Board



● PN(DIAL) Circuit Board

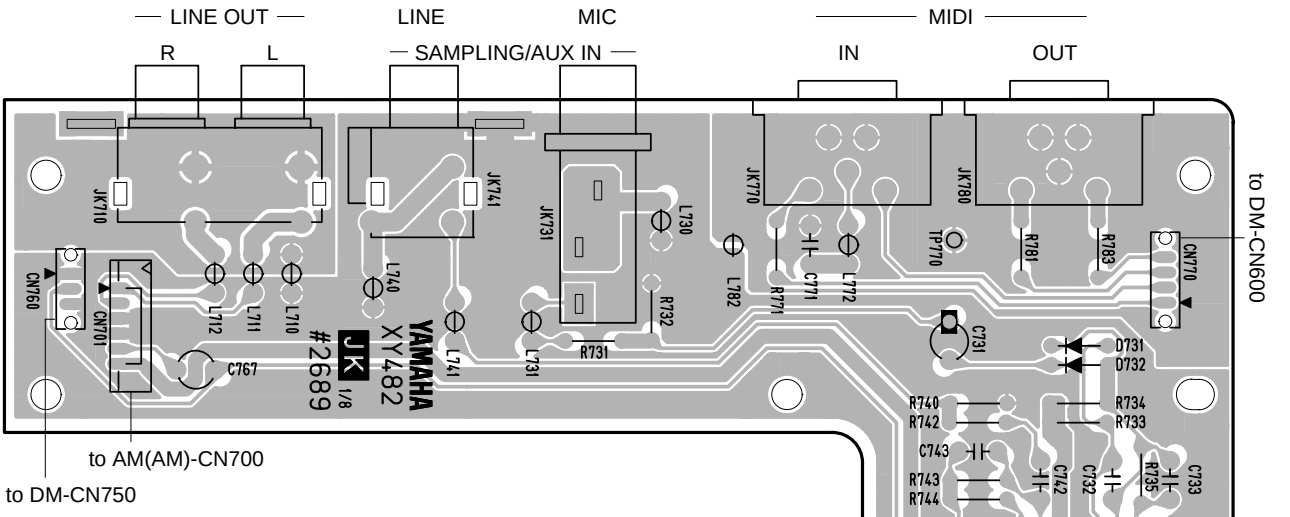


Pattern side

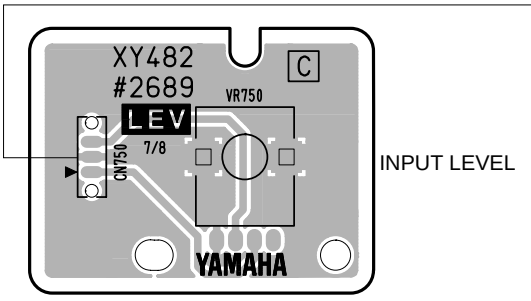


Pattern side

● AM(JK) Circuit Board



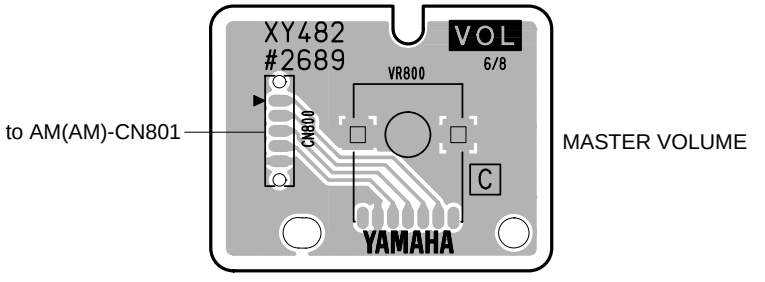
● AM(LEV) Circuit Board



Component side

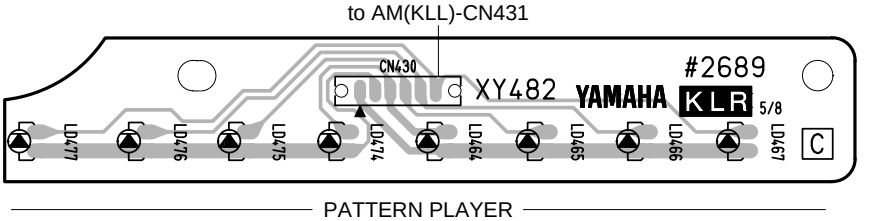
Component side

● AM(VOL) Circuit Board



Component side

● AM(KLR) Circuit Board



Component side

2NA-V527530⚠

■ TEST PROGRAM

A. PREPARATION

1) PA-5C (AC adaptor) is used. (PA-5B, PA-51 is utilizable)
2) The volume is usually moved to the use position when no volume change is required.
3) Measuring instruments: frequency counter, level meter (with JIS-C filter)
   Note: Connect a stereo plug to the [PHONES] jack at 33 ohms.
4) Jigs: MIDI cable

B. HOW TO ENTER THE TEST PROGRAM

MANUAL MODE

While pressing the C2#, F2 and G2# keys, turn the [STANDBY/ON] switch on.

C. PROCEEDING THROUGH THE TEST PROGRAM

MANUAL MODE

- The 7-seg. LED will display [TEST] when entering the test program.
- To select the program number, use the [AUDIO BPM COUNTER] button.
- To execute the test, press the [PATTERN/ENTER] button.
- To advance to the next test, press the [PATTERN/ENTER] button again, then press the [AUDIO BPM COUNTER].
- To return to the preceding clause, press the [BPM/TAP] button.
- If the test results are unacceptable, [Err] appears on the 7-seg. LED, testing is aborted, and the unit enters standby. At this time, to return to the selected test number, press the [DEMO] button.

D. TEST PROGRAM LIST

TEST NO.	7-seg. LED for Each Test		Test Functions and Judgment Criteria
1	t 01	P0.58 / V0.03	ROM version ROM (Program, Wave) versions are displayed alternately on the LED.
2	t 02	PASS or Err	Checks the ROM The test results appear on the LED.
3	t 03	PASS or Err	Checks all the RAMs that are connected to the CPU The test results appear on the LED.
4	t 04	PASS or Err	Checks the WAVE ROMs that are connected to the CPU The test results appear on the LED.
5	t 05	PASS or Err	Checks the WAVE RAMS that are connected to the CPU The test results appear on the LED.
11	t 11	tG-1	Outputs the sine wave by changing the channels in sequence from C2 to G4 After auto-scaling is finished, individual keys can be played. (If playing two or more keys simultaneously, the first pressed key has priority to make a sound.)
13	t 13		Connect the frequency counter to the [PHONES] jack. Sets PAN to Center and produces a signal at 440 +/- 1.76 Hz Check that the correct signal is produced.
14	t 14		Check the output level L. Connect the level meter (with a JIS-C filter) to the [PHONES] jack. (33 ohm load) Set the [MASTER VOLUME] at maximum and check the output level (1 kHz). PHONES L: less than -50.0 dBm PHONES R: -5.5 dBm +/- 2 dB Connect the monaural plugs of the level meter (with a JIS-C filter) to the [LINE OUT] jacks. (10 k ohm load) LINE OUT L: less than -50.0 dBm LINE OUT R -1.5 dBm +/- 2 dB
15	t 15		Check the output level R. Connect the level meter (with a JIS-C filter) to the [PHONES] jack. (33 ohm load) Set the [MASTER VOLUME] at maximum and check the output level (1 kHz). PHONES L: -5.5 dBm +/- 2 dB PHONES R: less than -50.0 dBm Connect the monaural plugs of the level meter (with a JIS-C filter) to the [LINE OUT] jacks. (10 k ohm load) LINE OUT L: -1.5 dBm +/- 2 dB LINE OUT R: less than -50.0 dBm

TEST NO.	7-seg. LED for Each Test		Test Functions and Judgment Criteria
19	r 19		Check the DAC noise. Connect the level meter (with a JIS-C filter) to the [PHONES] jack. (33 ohm load) Set the [MASTER VOLUME] at maximum. Check D/A converter noise. PHONES L/R: Less than -80.0 dBm
20	r 20	PASS or Err	Check the switches on the panel, LED, panel volume and ribbon controller . Turn on the switches as shown on the LEDs in the sequence indicated in Table 1. A pre-assigned note is output when pressing the switch and others. (With some switches, the corresponding LED will light up.) The volume of test turn the knob in order of MIN → MAX → CENTER. The test results appear on the LED.
21	r 21		Check that the all LEDs on the panel are on. All 7-seg. LEDs light up. When the highest note on the keyboard (C6) is pressed, all red light up. When the highest note on the keyboard (C6) is pressed again, all green LEDs light up.
25	r 25		Check that the all Keyboard LEDs on the panel are on. Make sure that pressing the highest note on the keyboard (C6) causes the keyboard LEDs to light up in this sequence: PART SELECTOR → PART MIXER → PATTERN PLAYER.
37	r 37	PASS or Err	After connecting the [MIDI IN] jack and [MIDI OUT] jack with a MIDI cable, execute the test.The C4 note is output and that the test results appear on the LED.
39	r 39	PASS	Check the MIC. Connect to the [MIC SAMPLING/AUX IN] jack and input a -6 dBm (100 Hz) signal. Turn the [INPUT LEVEL] volume knob from minimum to maximum.
41	r 41	PASS or Err	Checks the ROMs that are connected to the CPU. The test results appear on the LED.
42	r 42	PASS or Err	Checks the RAMs that are connected to the CPU. The test results appear on the LED.
43	r 43	PASS or Err	Checks the WAVE ROM. The test results appear on the LED.
44	r 44	PASS or Err	Checks the WAVE RAM. The test results appear on the LED.
46	r 46	PASS or Err	Chk2 Performs the RAM back-up check. Check that the display reads [Err], then turn off the [STANDBY/ON] switch. Enter the test program and perform the RAM back-up checks, then check again. Check that the LED displays [PASS]. Note: Do not turn on the power switch by normal mode while standing by, as the RAM data will be lost.
47	r 47	FAct	All the RAMs are initialized and set to the factory preset data when executing this test. The results appear on the LED.
48	r 48		Exit from the test program after executing this test.

* NOTE: Time is required to complete the checks performed by test No. 41–46.

TABLE 1

ORDER	SWITCH	NOTE
1	Sampling/Stop	C2
2	Loop 6	C#2
3	Loop 5	D2
4	Loop 4	D#2
5	One Shot 3	E2
6	One Shot 2	F2
7	One Shot 1	F#2
8	Effect On/Lock/OFF	G2
9	Live Effect Select	G#2
10	Voice	A2
11	Pattern/Enter	A#2
12	Rage Blaster	B2
13	BPM/TAP	C3
14	MIDI Bulk Send	C#3
15	Audio BPM Counter	D3
16	Pattern Stop	D#3

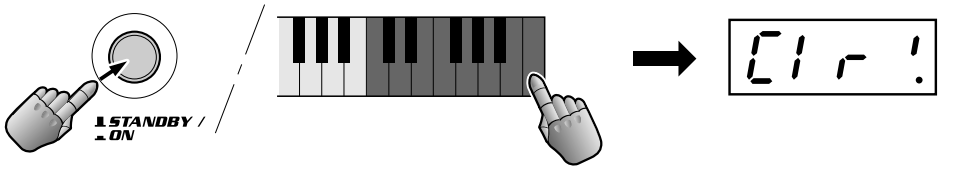
ORDER	SWITCH	NOTE
17	Demo	E3
18	Perf Player 6	F3
19	Perf Player 5	F#3
20	Perf Player 4	G3
21	Perf Player 3	G#3
22	Perf Player 2	A3
23	Perf Player 1	A#3
24	Perf Record	B3
25	Ribbon Select	C4
26	Data Dial	C#4
27	Volume [PART CONTROLLER]	D4
28	Cut Off [PART CONTROLLER]	D#4
29	Resonance [PART CONTROLLER]	E4
30	Ribbon Controller	F4
31	Effect Control	F#4
32	Effect Balance	G4

■ INITIALIZATION

Except for the data listed below, all DJX-II panel settings are reset to their initial settings whenever the power is turned on. The data listed below are backed up (i.e. retained in memory) as long as an AC adaptor is connected or a set of batteries is installed.

- User Pattern data
- Sampling data
- Performance Recorder data

All data can be initialized and restored to the factory preset condition by turning on the power while holding the highest (rightmost) key on the keyboard. "Clr!" will appear briefly on the display.



⚠ CAUTION

- *All settings listed above, will be erased and/or changed when the data initialization procedure is carried out.*
- *Carrying out the data initialization procedure will usually restore normal operation if the DJX-II freezes or begins to act erratically for any reason.*

■ ERROR MESSAGES

ERROR MESSAGE	DESCRIPTION
Err 1	This appears when the MIDI reception buffer of the DJX-II has filled up, and processing is not possible. Try decreasing the amount of data or increasing the interval time and transmit the data once again.
Err2	This appears when a MIDI data reception error occurs, such as that caused by an improper connection or by use of an excessively long MIDI cable.
Err3	This appears when the received bulk data contains illegal data. The illegal data is automatically cleared.
Full	This message appears when the internal memory becomes full and no additional data can be recorded. Attempting to record to the Sampler or Performance Recorder when the internal memory is full causes this message to appear, and the DJX-II automatically stops recording. Delete unneeded data and attempt recording again.
Clr	This appears briefly when initializing the DJX-II to the factory preset data, by simultaneously holding down the highest (rightmost) key and turning the power on.

■ MIDI IMPLEMENTATION CHART

[DJ-GEAR] Date :17-MAR-2000

Model DJX-II MIDI Implementation Chart Version : 1.0

Function...		Transmitted	Recognized	Remarks
Basic	Default	x	1 - 16	
Channel	Changed	x	1 - 16	
	Default	x	3	
Mode	Messages	x	x	
	Altered	**********	x	
Note		x	0 - 127	
Number: True voice		**********	0 - 127	
Velocity	Note ON	x	o 9nH,v=1-127	
	Note OFF	x	o 9nH,v=0 or 8nH	
After	Key's	x	x	
Touch	Ch's	x	x	
Pitch Bend		x	o	
	0,32	x	o	Bank Select
	1	x	o	Modulation wheel
	6,38	x	o	Data Entry
	7,10	x	o	
Control	11	x	o	Expression
	64	x	o	Sustain
Change	71-74	x	o	Sound Controller
	84	x	o	Portamento Control
	91,93	x	o	Effect Depth
	96,97	x	o	RPN Inc,Dec
	100,101	x	o	RPN LSB,MSB
Prog x		x	o 0 - 127	
Change: True #		**********		
System Exclusive		x	o *	
	: Song Pos.	x	x	
Common:	Song Sel.	x	x	
	: Tune	x	x	
System	: Clock	o	o	
Real Time:	Commands	o	o	
Aux	:All Sound OFF	x	o(120,126,127)	
	:Reset All Cntrls	x	o(121)	
	:Local ON/OFF	x	x	
Mes-	:All Notes OFF	x	o(123-125)	
sages:	Active Sensing	x	o	
	:Reset	x	x	

Notes: * For details, see "MIDI Data Format"

Mode 1 : OMNI ON , POLY Mode 2 : OMNI ON ,MONO o : Yes

Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF,MONO x : No

■ MIDI DATA FORMAT

Many MIDI messages listed in the MIDI Data Format are expressed as decimal numbers, binary numbers or hexadecimal numbers. Hexadecimal numbers may include the letter "H" as a suffix. Also, "n" can freely be defined as any whole number.
To enter data/values, refer to the table below.

Decimal	Hexadecimal	Binary
0	00	0000 0000
1	01	0000 0001
2	02	0000 0010
3	03	0000 0011
4	04	0000 0100
5	05	0000 0101
6	06	0000 0110
7	07	0000 0111
8	08	0000 1000
9	09	0000 1001
10	0A	0000 1010
11	0B	0000 1011
12	0C	0000 1100
13	0D	0000 1101
14	0E	0000 1110
15	0F	0000 1111
16	10	0001 0000
17	11	0001 0001
18	12	0001 0010
19	13	0001 0011
20	14	0001 0100
21	15	0001 0101
22	16	0001 0110
23	17	0001 0111
24	18	0001 1000
25	19	0001 1001
26	1A	0001 1010
27	1B	0001 1011
28	1C	0001 1100
29	1D	0001 1101
30	1E	0001 1110
31	1F	0001 1111

Decimal	Hexadecimal	Binary
32	20	0010 0000
33	21	0010 0001
34	22	0010 0010
35	23	0010 0011
36	24	0010 0100
37	25	0010 0101
38	26	0010 0110
39	27	0010 0111
40	28	0010 1000
41	29	0010 1001
42	2A	0010 1010
43	2B	0010 1011
44	2C	0010 1100
45	2D	0010 1101
46	2E	0010 1110
47	2F	0010 1111
48	30	0011 0000
49	31	0011 0001
50	32	0011 0010
51	33	0011 0011
52	34	0011 0100
53	35	0011 0101
54	36	0011 0110
55	37	0011 0111
56	38	0011 1000
57	39	0011 1001
58	3A	0011 1010
59	3B	0011 1011
60	3C	0011 1100
61	3D	0011 1101
62	3E	0011 1110
63	3F	0011 1111

Decimal	Hexadecimal	Binary
64	40	0100 0000
65	41	0100 0001
66	42	0100 0010
67	43	0100 0011
68	44	0100 0100
69	45	0100 0101
70	46	0100 0110
71	47	0100 0111
72	48	0100 1000
73	49	0100 1001
74	4A	0100 1010
75	4B	0100 1011
76	4C	0100 1100
77	4D	0100 1101
78	4E	0100 1110
79	4F	0100 1111
80	50	0101 0000
81	51	0101 0001
82	52	0101 0010
83	53	0101 0011
84	54	0101 0100
85	55	0101 0101
86	56	0101 0110
87	57	0101 0111
88	58	0101 1000
89	59	0101 1001
90	5A	0101 1010
91	5B	0101 1011
92	5C	0101 1100
93	5D	0101 1101
94	5E	0101 1110
95	5F	0101 1111

Decimal	Hexadecimal	Binary
96	60	0110 0000
97	61	0110 0001
98	62	0110 0010
99	63	0110 0011
100	64	0110 0100
101	65	0110 0101
102	66	0110 0110
103	67	0110 0111
104	68	0110 1000
105	69	0110 1001
106	6A	0110 1010
107	6B	0110 1011
108	6C	0110 1100
109	6D	0110 1101
110	6E	0110 1110
111	6F	0110 1111
112	70	0111 0000
113	71	0111 0001
114	72	0111 0010
115	73	0111 0011
116	74	0111 0100
117	75	0111 0101
118	76	0111 0110
119	77	0111 0111
120	78	0111 1000
121	79	0111 1001
122	7A	0111 1010
123	7B	0111 1011
124	7C	0111 1100
125	7D	0111 1101
126	7E	0111 1110
127	7F	0111 1111

- Other messages not listed above include: 144-159(decimal)/9nH/1001 0000-1001 1111(binary) denotes the Note On Message for each channel (1-16). 176-191/BnH/1011 0000-1011 1111 denotes the Control Change Message for each channel (1-16). 192-207/CnH/1100 0000-1100 1111 denotes the Program Change Message for each channel (1-16). 240/FOH/1111 0000 denotes the start of a System Exclusive Message. 247/F7H/1111 0111 denotes the end of a System Exclusive Message.
- aaH (hexidecimal)/0aaaaaaa (binary) denotes the data address. The address contains High, Mid, and Low.
- bbH/0bbbbbbb denotes the byte count.
- ccH/0ccccccc denotes the check sum.
- ddH/0ddddddd denotes the data/value.

■ Channel/Mode/Realtime Messages

o : available

MIDI Events	Status byte		1st Data byte		2nd Data byte		MIDI	
	Status		Data (HEX)	Parameter	Data (HEX)	Parameter	Transmitted	Recognized
Key Off	8nH	(n:channel no.)	kk	Key no. (0 - 127)	vv	Velocity (0 - 127)	x	o
Key On	9nH		kk	Key no. (0 - 127)	vv	Key On :vv=1 - 127 Key Off :vv=0	x	o
Control Change	BnH		0 (00H)	Bank Select MSB	0 (00H) 126, 127 (7FH)	Normal Drum kit	x	o
			32 (20H)	Bank Select LSB			x	o
			1 (01H)	Modulation	0 - 127 (...7FH)		x	o
			6 (06H)	Data Entry MSB	0 - 127 (...7FH)		x	o
			38 (26H)	Data Entry LSB	0 - 127 (...7FH)			x
			7 (07H)	Main Volume	0 - 127 (...7FH)		x	o
			10 (0AH)	Panpot	0 - 127 (...7FH)		x	o
			11 (0BH)	Expression	0 - 127 (...7FH)		x	o
			64 (40H)	Sustain (Damper)	0 - 127 (...7FH)		x	o
			71 (47H)	Harmonic Content	0 - 127 (...7FH)		x	o
			72 (48H)	Release Time	0 - 127 (...7FH)		x	o
			73 (49H)	Attack Time	0 - 127 (...7FH)		x	o
			74 (4AH)	Brightness	0 - 127 (...7FH)		x	o
			84 (54H)	Portamento Control	0 - 127 (...7FH)		x	o
			91 (5BH)	Effect1 Depth (Reverb Send Level)	0 - 127 (...7FH)		x	o
			93 (5DH)	Effect3 Depth (Chorus Send Level)	0 - 127 (...7FH)		x	o
			96 (60H)	Increment	0 - 127 (...7FH)		x	o
			97 (61H)	Decrement	0 - 127 (...7FH)			
			100 (64H)	RPN LSB	0 - 127 (...7FH)		x	o
			101 (65H)	RPN MSB	0 - 127 (...7FH)			
Mode Message	BnH		120 (78H)	All sound off	0		x	o
			121 (79H)	Reset all controllers	0		x	o
			123 (7BH)	All note off	0		x	o
			124 (7CH)	All note off	0		x	o
			125 (7DH)	All note off	0		x	o
			126 (7EH)	MONO	0 - 16 (...10H)		x	o
			127 (7FH)	POLY	0		x	o
Program Change	CnH		pp	Voice number (0 - 127)	-	-	x	o
Pitch Bend Change	EnH		cc	LSB	dd	MSB	x	o
RealTime Message	F8H	MIDI Clock	-		-		o	o
	FAH	Start	-		-		o	o
	FCH	Stop	-		-		o	o
	FEH	Active Sensing	-		-		x	o

■ System Exclusive Messages

Universal System Exclusive

o : available

MIDI Event	Data Format	Transmitted	Recognized
MIDI Master Volume	F0H 7FH 7FH 04H 01H ll mm F7H x o ll mm Volume (mm = 0 - 7f, ll = Ignored) or	x	o
	F0H 7FH XN 04H 01H ll mm F7H XN when N is received N=0-F,whichever is received. X = Ignored ll mm Volume (mm = 0 - 7f, ll = Ignored)		

XG standard

MIDI Event	Data Format	Transmitted	Recognized
XG Parameter Change	F0H 43H 1nH 4CH hh mm ll dd ... F7H hh mm ll Address dd Data	x	o
Bulk Dump	F0H 43H 0nH 4CH aa bb hh mm ll dd ... dd cc F7H 0n Device Number (0 - f (receive)) aa bb Byte Count (aa << 7) + bb hh mm ll Address dd Data	x	o

Bulk dump

MIDI Event	Data Format	Transmitted	Recognized
Performance Recorder data Bulk Dump	F0H 43H 73H 6FH 06H 0AH aa bb cc dd hh mm ll [BULK DATA] sum F7H 6FH Model ID 06H Bulk ID 0AH Bulk No. aa ByteCount MSB bb ByteCount LSB cc Data size (MSB) dd Data size (LSB) hh Address High mm Address Mid ll Address Low [BULK DATA] Sequence data (1byte,2byte....7byte,MSBdata) sum Check Sum = 0-sum (BULK DATA)	o	o
User Pattern Data Bulk Dump	F0H 43H 73H 6FH 06H 07H aa bb cc dd hh mm ll [BULK DATA] sum F7H 6FH Model ID 06H Bulk ID 07H Bulk No. aa ByteCount MSB bb ByteCount LSB cc Data size (MSB) dd Data size (LSB) hh Address High mm Address Mid ll Address Low [BULK DATA] User Pattern data (1byte,2byte....7byte,MSBdata) sum Check Sum = 0-sum (BULK DATA)	x	o
User Pattern Data Bulk Dump	F0H 43H 73H 6FH 06H 0DH aa bb cc dd hh mm ll [BULK DATA] sum F7H 6FH Model ID 06H Bulk ID 0DH Bulk No. aa ByteCount MSB bb ByteCount LSB cc Data size (MSB) dd Data size (LSB) hh Address High mm Address Mid ll Address Low [BULK DATA] Sampling data (1byte,2byte....7byte,MSBdata) sum Check Sum = 0-sum (BULK DATA)	o	o

Others

MIDI Event	Data Format	Transmitted	Recognized
Master Tune	F0H 43H 1n 27H 30H 00H 00H mm ll cc F7H 1n Device Number (0 - f (receive)) mm ll cc (mm << 4) + ll (1step/1cent), cc = Ignored	x	o
TG RESET	F0H 43H 73H 6FH 30H 00H F7H	x	o

■ MIDI Parameter Change Table

MIDI PARAMETER CHANGE TABLE (EFFECT)

Address (H)	Size (H)	Data (H)	Parameter	Transmitted	Recognized	Description	Defaul
2 1 0	2	00-7F	REVERB TYPE MSB	x	o	Refer to "MIDI Effect Map."	01 (=HALL1)
		00-7F	REVERB TYPE LSB			00 : basic type	00
2 1 20	2	00-7F	CHORUS TYPE MSB	x	o	Refer to "MIDI Effect Map."	41 (=CHORUS1)
		00-7F	CHORUS TYPE LSB			00 : basic type	00
2 1 40	2	00-7F	VARIATION TYPE MSB	x	o*	Refer to "MIDI Effect Map."	00 (=DJ DISTORTION)
		00-7F	VARIATION TYPE LSB			00 : basic type	00

* Between MIDI messages and panel operation(Live Effector), the last message will take priority.

■ Effect Map

REVER BLOCK

Type MSB	Type LSB			
DEC	00	16	17	19
001	HALL 1		HALL 2	
002	ROOM		ROOM 1	ROOM 2
003	STAGE	STAGE 1	STAGE 2	
004	PLATE	PLATE 1	PLATE 2	
005...127				

If the received value does not contain an effect type in the TYPE LSB, the LSB will be set to TYPE LSB 0.

CHORUS BLOCK

Type MSB	Type LSB			
DEC	00	02	08	17
001...064	NO EFFECT			
065	CHORUS	CHORUS 2		
066	CELESTE			CHORUS 1
067	FLANGER		FLANGER 1	FLANGER 2
068...127	NO EFFECT			

If the received value does not contain an effect type in the TYPE LSB, the LSB will be set to TYPE LSB 0.

VARIATION BLOCK

Type MSB	Type LSB
DEC	00
001	DJ DISTORTION
002	DJ FLANGER
003	DJ PHASER
004	DJ DELAY
005	DJ ECHO
006	DJ RING MOD
007	DJ SLICE
008	DJ AUTO PAN
009	DJ WAH
010	DJ LO-FI

If the received value does not contain an effect type in the TYPE LSB, the LSB will be set to TYPE LSB 0.

■ About MIDI remote control

About MIDI IN channel and DJX-II parts

The individual Parts of the DJX-II respond to incoming data over the MIDI channels as listed below.

MIDI IN channel

Address	
1	Keyboard (Note / ProgramChange)
2	Sampler PAD
3	Scratch
4	Remote
5	---- Reserved ----
6	---- Reserved ----
7	---- Reserved ----
8	---- Reserved ----
9	Pattern Kick
10	Pattern Snare
11	Pattern Hi-Hat
12	Pattern Percussion
13	Pattern Bass
14	Pattern Phrase 1
15	Pattern Phrase 2
16	Pattern Phrase 3

Data received over channel 4 (Remote) is used to control the various panel controls of the DJX-II.

About MIDI remote control

Remote Control Data

Functions	Panel Operation	MIDI Data Format
Activator	ACTIVATOR	** = Note On (7FH), Note Off (00H)
	LOOP1	Note (93H, 54H, **H)
	LOOP2	Note (93H, 55H, **H)
	LOOP3	Note (93H, 56H, **H)
	LOOP4	Note (93H, 57H, **H)
	LOOP5	Note (93H, 58H, **H)
	ONE SHOT1	Note (93H, 59H, **H)
	ONE SHOT2	Note (93H, 5AH, **H)
	ONE SHOT3	Note (93H, 5BH, **H)
	ONE SHOT4	Note (93H, 5CH, **H)
	ONE SHOT5	Note (93H, 5DH, **H)
	ONE SHOT6	Note (93H, 5EH, **H)
	ONE SHOT7	Note (93H, 5FH, **H)
	ONE SHOT8	Note (93H, 60H, **H)
	Activator Kit number selection	** = Activator Kit Number (00H - 33H)
		Bank Select MSB (B3H, 00H, 00H) Bank Select LSB (B3H, 20H, 02H) Program Change (C3H, **H)

Functions	Panel Operation	MIDI Data Format
Pattern	Pattern Player	** = Note On (7FH), Note Off (00H)
	Pattern Player 1	Note (93H, 48H, **H)
	Pattern Player 2	Note (93H, 49H, **H)
	Pattern Player 3	Note (93H, 4AH, **H)
	Pattern Player 4	Note (93H, 4BH, **H)
	Pattern Player 5	Note (93H, 4CH, **H)
	Pattern Player 6	Note (93H, 4DH, **H)
	Pattern Player 7	Note (93H, 4EH, **H)
	Pattern Player 8	Note (93H, 4FH, **H)
	Pattern Player 9	Note (93H, 50H, **H)
	Pattern Player 10	Note (93H, 51H, **H)
	PREV	Note (93H, 52H, **H)
	NEXT	Note (93H, 53H, **H)
	Pattern number selection	Bank Select MSB (B3H, 00H, 00H) Bank Select LSB (B3H, 20H, 01H) Program Change (C3H, **H) ** = Pattern Number Preset: 00H - 45H User: 46H - 4AH
	PART MIXER setting	** = Note On (7FH), Note Off (00H)
	BASS+KICK	Note (93H, 3CH, **H)
	PHRASE1+2+3	Note (93H, 3DH, **H)
	KICK+HI-HAT	Note (93H, 3EH, **H)
	BASS	Note (93H, 3FH, **H)
	KICK	Note (93H, 40H, **H)
	SNARE	Note (93H, 41H, **H)
	PHRASE1	Note (93H, 42H, **H)
	HI-HAT	Note (93H, 43H, **H)
	PHRASE2	Note (93H, 44H, **H)
	PERC	Note (93H, 45H, **H)
	PHRASE3	Note (93H, 46H, **H)
	TOGGLE	Note (93H, 47H, **H)
	PART SELECTOR setting	** = Note On (7FH), Note Off (00H)
	BASS+KICK	Note (93H, 30H, **H)
	PHRASE1+2+3	Note (93H, 31H, **H)
	KICK+HI-HAT	Note (93H, 32H, **H)
	BASS	Note (93H, 33H, **H)
	KICK	Note (93H, 34H, **H)
	SNARE	Note (93H, 35H, **H)
	PHRASE1	Note (93H, 36H, **H)
	HI-HAT	Note (93H, 37H, **H)
	PHRASE2	Note (93H, 38H, **H)
	PERC	Note (93H, 39H, **H)
	PHRASE3	Note (93H, 3AH, **H)
	ACTIVATOR	Note (93H, 3BH, **H)
Part Controller Knobs	CUTOFF knob	Brightness (B3H, 4AH, **H)
	RESONANCE knob	Harmonic Content (B3H, 47H, **H)
	VOLUME knob	Volume (B3H, 07H, **H) ** = 00H - 7FH
Ribbon Controller	TYPE Select Switch	Bank Select MSB (B3H, 00H, 00H) Bank Select LSB (B3H, 20H, 03H)
	SCRATCH1	Program Change (C3H, 00H)
	SCRATCH2	Program Change (C3H, 01H)
	PITCH BEND	Program Change (C3H, 02H)
	PITCH&BPM	Program Change (C3H, 03H)
	Ribbon Controller operation Overall pitch control (Pitch&BPM)	Breath Controller MSB (B3H, 02H, mmH) Breath Controller LSB (B3H, 22H, llH) mm, ll: 00H - 7FH

Functions	Panel Operation	MIDI Data Format
Live Effector	ON/OFF switch	
	Hold/On	Soft Pedal (B3H, 43H, 7FH)
	Hold/Off	Soft Pedal (B3H, 43H, 00H)
	Effect Type selection	Bank Select MSB (B3H, 00H, 00H) Bank Select LSB (B3H, 20H, 04H)
	DISTORTION	Program Change (C3H, 00H)
	AUTO PAN	Program Change (C3H, 01H)
	RING MOD	Program Change (C3H, 02H)
	FLANGER	Program Change (C3H, 03H)
	PHASER	Program Change (C3H, 04H)
	SLICER	Program Change (C3H, 05H)
	DELAY	Program Change (C3H, 06H)
	ECHO	Program Change (C3H, 07H)
	LO-FI	Program Change (C3H, 08H)
	WAH	Program Change (C3H, 09H)
	CONTROL knob	Effect4 Depth (B3H, 5EH, **H)
	BALANCE knob	Effect5 Depth (B3H, 5FH, **H) ** : 00H - 7FH
Key Shifter	KEY SHIFTER setting	** = Note On (7FH), Note Off (00H)
	0	Note (93H, 24H, **H)
	1	Note (93H, 25H, **H)
	2	Note (93H, 26H, **H)
	3	Note (93H, 27H, **H)
	4	Note (93H, 28H, **H)
	5	Note (93H, 29H, **H)
	6	Note (93H, 2AH, **H)
	-5	Note (93H, 2BH, **H)
	-4	Note (93H, 2CH, **H)
	-3	Note (93H, 2DH, **H)
	-2	Note (93H, 2EH, **H)
	-1	Note (93H, 2FH, **H)
SAMPLE PAD	SAMPLE PAD on	** = Note On (7FH), Note Off (00H)
	ONE SHOT 1	Note (93H, 1EH, **H)
	ONE SHOT 2	Note (93H, 1FH, **H)
	ONE SHOT 3	Note (93H, 20H, **H)
	LOOP 1	Note (93H, 21H, **H)
	LOOP 2	Note (93H, 22H, **H)
	LOOP 3	Note (93H, 23H, **H)
	SAMPLING/STOP button	Channel Pressure (D3H, 06H)
BPM setting	Data dial	General Purpose Controller Absolute tempo value MSB (B3H, 10H, **H) Absolute tempo value LSB (B3H, 30H, **H) Relative tempo value MSB (B3H, 11H, **H) Relative tempo value LSB (B3H, 31H, **H)
Other buttons	VOICE/KEYBOARD button	Channel Pressure (D3H, 00H)
	PATTERN/ENTER button	Channel Pressure (D3H, 01H)
	ACTIVATOR button	Channel Pressure (D3H, 02H)
	BPM/TAP button	Channel Pressure (D3H, 03H)
	PATTERN STOP button	Channel Pressure (D3H, 05H)

DJX-II

PARTS LIST

CONTENTS

OVERALL ASSEMBLY 2
LOWER CASE ASSEMBLY 4
KEYBOARD ASSEMBLY 6
ELECTRICAL PARTS ..... 8~15

Notes: DESTINATION ABBREVIATIONS

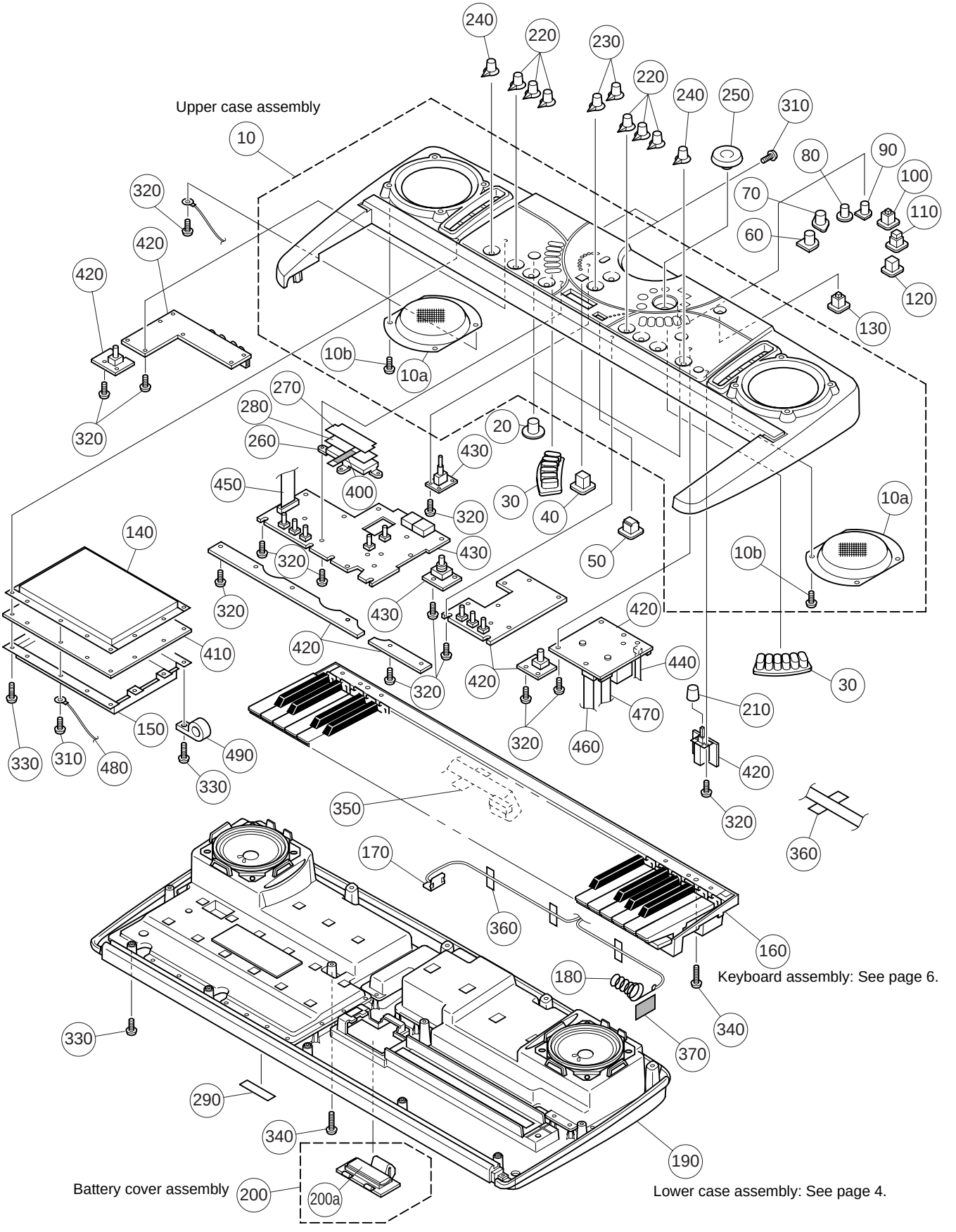
A:	Australian model	M:	South African model
B:	British model	O:	Chinese model
C:	Canadian model	Q:	South-east Asia model
D:	German model	T:	Taiwan model
E:	European model	U:	U.S.A. model
F:	French model	V:	General export model (110 V)
H:	North European model	W:	General export model (220 V)
I :	Indonesian model	N,X:	General export model
J :	Japanese model	Y:	Export model

WARNING

Components having special characteristics are marked ⚠ and must be replaced with parts having specification equal to those originally installed.

- The numbers in " QTY " show quantities for each unit.
- The parts with " **- -** " in " **PART NO.** " are not available as spare parts.
- The mark " } " in the remarks column indicates that these parts are interchangeable.
- The second letter of the shaded ( ) part number is O, not zero.
- The second letter of the shaded ( ) part number is I, not one.

OVERALL ASSEMBLY

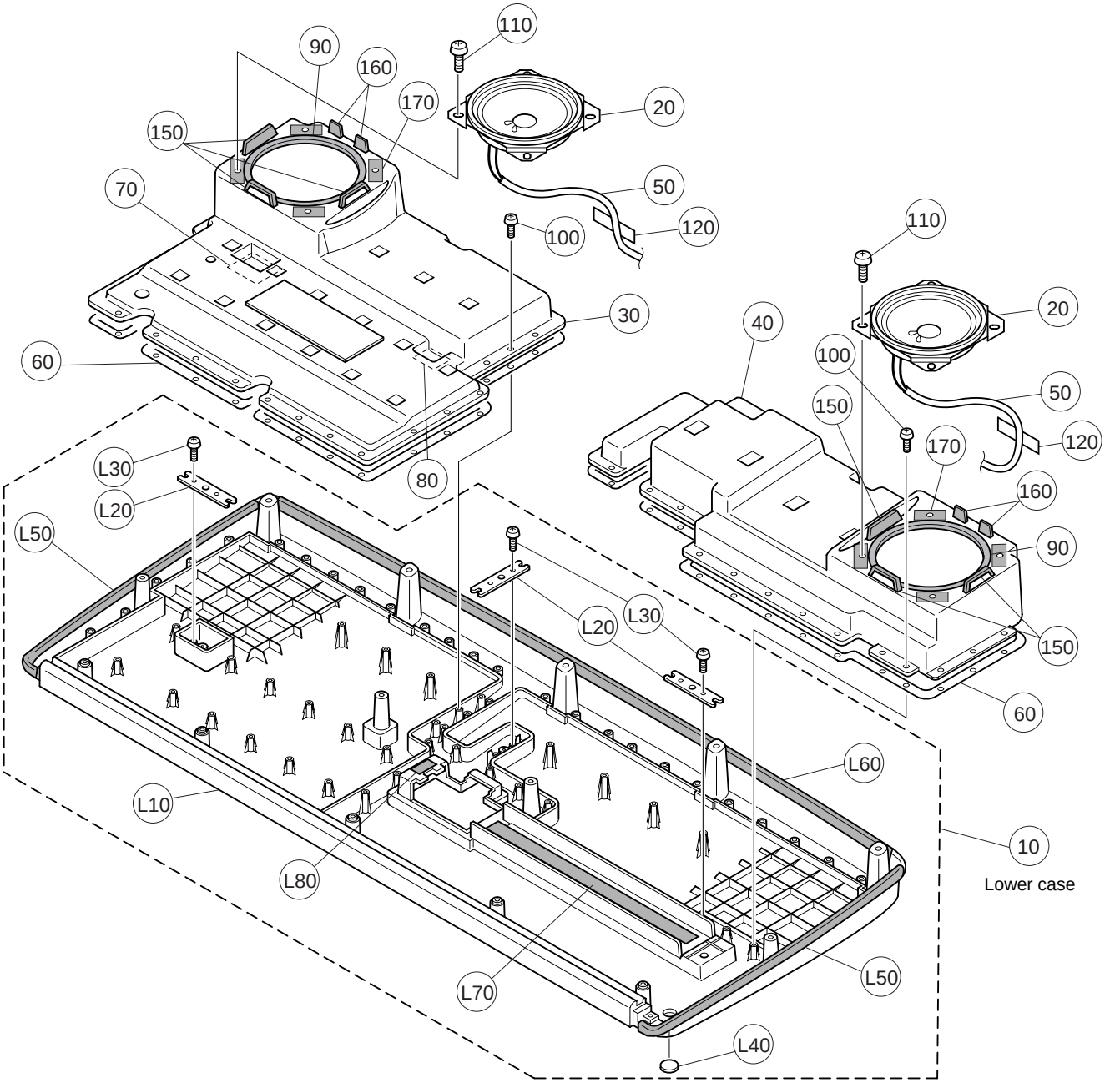


	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
		- -	OVERALL ASSEMBLY			DJX-II (V560130)		
*	10	V5603000	Upper Case Assembly					
*	10a	V5286400	Speaker Grille				2	
	10b	EP600280	Bind Head Tapping Screw-P	3.0X8 MFZN2Y			7	01
*	20	V5271100	PN Rubber Contact	A RED		SAMPLING/STOP	2	
*	30	V5271200	PN Rubber Contact	B DARK GRAY		SAMPLE PAD 1-6,PLAYER 1-6	2	
*	40	V5271300	PN Rubber Contact	C DARK GRAY		LIVE EFFECTOR SELECT		
*	50	V5271400	PN Rubber Contact	D DARK GRAY		RIBBON CONTROLLER SELECT		
*	60	V5271500	PN Rubber Contact	E GRAY		VOICE/KEYBOARD		
*	70	V5271600	PN Rubber Contact	F GRAY		PATTERN ENTER		
*	80	V5271700	PN Rubber Contact	G DARK GRAY		RAGE BLASTER		
*	90	V5271800	PN Rubber Contact	H DARK GRAY		BPM/TAP		
*	100	V5271900	PN Rubber Contact	I DARK GRAY		MIDI BULK SEND		
*	110	V5272000	PN Rubber Contact	J DARK GRAY		AUDIO BPM COUNTER		
*	120	V5272100	PN Rubber Contact	K RED		PATERN STOP		
*	130	V5272200	PN Rubber Contact	L YELLOW		DEMO		
	140	- -	Shield Box	LOWER		(V538190)		
	150	- -	Shield Box	UPPER		(V538220)		
*	160	V5529900	Keyboard Assembly	16LMK C61 P1M				
	170	VI663700	Battery Terminal	+				
	180	VI865800	Spring Terminal	-				
	190	- -	Lower Case Assembly			(V560310)		
	200	VM754600	Battery Cover Assembly					
	200a	VI107900	Battery Cushion White					01
	210	VQ218800	Knob			STANDBY/ON		03
*	220	V5603600	Rotary Knob Blue			PART CONTROLLER,ISOLATOR	6	
*	230	V5603700	Rotary Knob Red			CONTROL,BALANCE	2	
*	240	V5603800	Rotary Knob Black			INPUT LEVEL,MASTER VOLUME	2	
*	250	V5603900	Encoder Knob			DATA Dial		
	260	V2138700	Base					01
	270	V2450100	Ribbon Controller	FS-MR-009-09-1094				07
	280	- -	Adhesive Tape	80X24		(V233240)		
	290	- -	Label			(V560260)		
	310	EP600190	Bind Head Tapping Screw-B	3.0X8 MFZN2BL			12	01
	320	EP600280	Bind Head Tapping Screw-P	3.0X8 MFZN2Y			61	01
	330	EP600300	Bind Head Tapping Screw-P	3.0X12 MFZN2Y			19	01
	340	VK228100	Bind Head Tapping Screw-P	3.0X25 MFZN2Y			5	01
	350	VN195400	Adhesive Tape	12X70			3	03
	360	VA126100	Adhesive Tape	12X50			13	03
	370	VJ861500	Vibration-proof Tape	18X25			2	03
	400	- -	Dust Proof Cloth	25X15X0.5		(V236140)		
*	410	V5275200	Circuit Board	DM				
*	420	V5275300	Circuit Board	AM				
*	430	V5275400	Circuit Board	PN				
	440	- -	Connector Assembly	BAT		(V562660)		
	450	- -	Connector Assembly	KBD		(V562690)		
	460	- -	Connector Assembly	LNO		(V562700)		
	470	- -	Connector Assembly	DMV		(V562710)		
	480	- -	GND Wire	EP1		(V629160)		
	490	VD947800	Data Line Filter	ESD-R-25D-B				05
	500	- -	GND Wire	WE1		(V669630)		

*: New Parts

RANK: Japan only

■ LOWER CASE ASSEMBLY

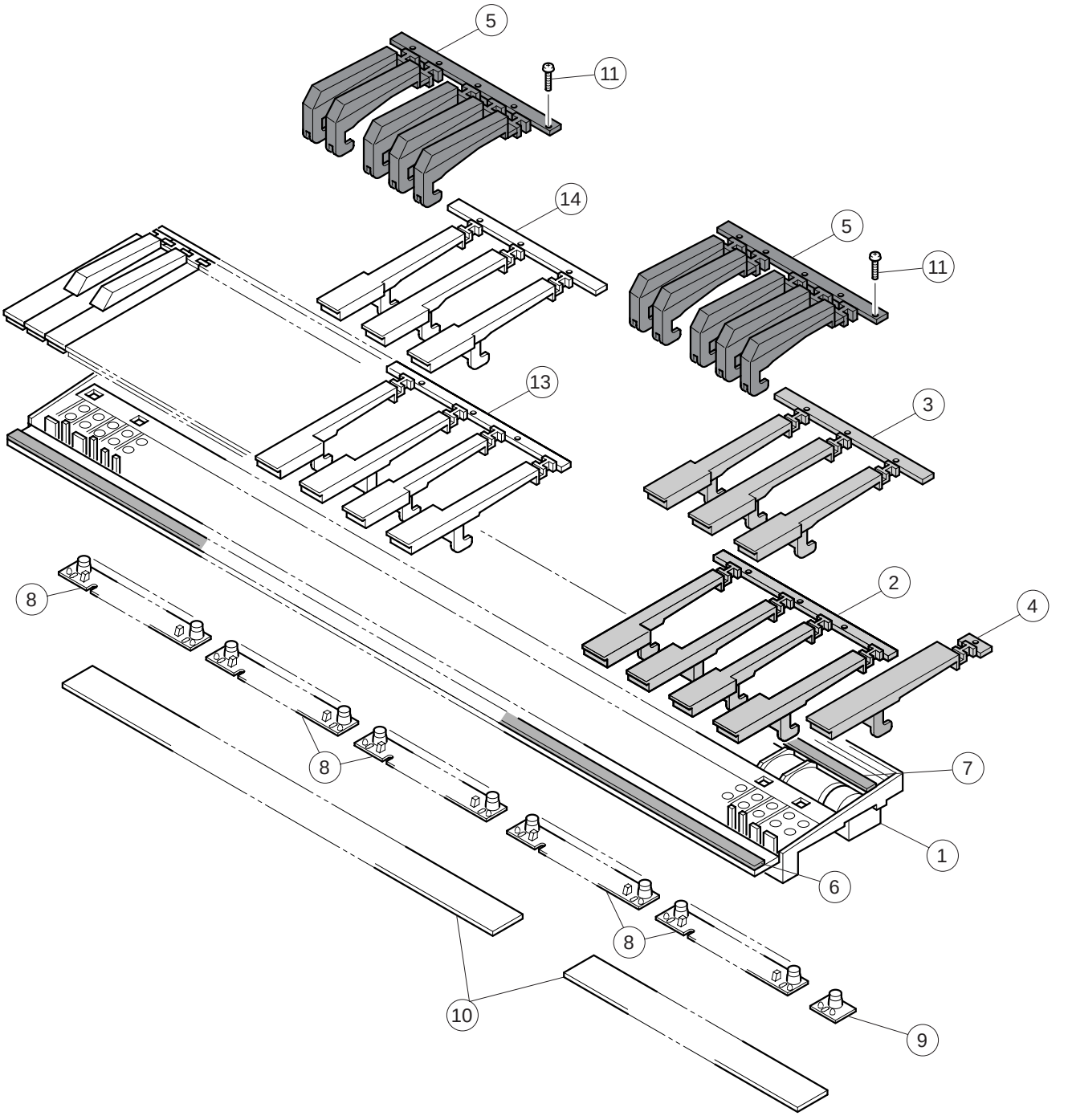


	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
		- -	LOWER CASE ASSEMBLY			DJX-II (V560310)		
*	10	V5603300	Lower Case					
*	20	XY638A00	Speaker	12.0cm 4ohm 8W			2	
*	30	V2137600	Speaker Box	LEFT				
*	40	V2137800	Speaker Box	RIGHT				
	50	- -	Connector Assembly	SPO 4P		(V562680)		
	60	- -	Cushion White	1800X10X1.0 WH		(V642060)	2	
	70	- -	Cushion White	50X40X1.0 WH		(V642070)		
	80	- -	Cushion White	30X30X1.0 WH		(V642080)		
	90	- -	Cushion White	360X10X1.0 WH		(V642090)	2	
	100	EP600300	Bind Head Tapping Screw-P	3.0X12 MFZN2Y			78	01
	110	EP640500	Bind Head Tapping Screw-P	4.0X10 MFZN2Y			8	01
	120	VA126100	Adhesive Tape	12X50			5	03
	150	- -	Dust Proof Cloth	55X15X0.5		(V279400)	6	
	160	VJ861500	Vibration-proof Tape	18X25			4	03
	170	- -	Cushion White	40X15X1.0 WH		(V642120)	8	
*		V5603300	Lower Case					
	L10	- -	Lower Case			(V211610)		
	L20	VI104400	Holder	CH			3	
	L30	EP600280	Bind Head Tapping Screw-P	3.0X8 MFZN2Y			6	01
	L40	CB043750	Foot	BL T1.6			5	01
	L50	- -	Cushion Black	360X15X1.0 BL		(V642100)	2	
	L60	- -	Cushion Black	885X15X1.0 BL		(V642110)		
	L70	- -	Dust Proof Cloth	290X20X0.5		(V217860)		
	L80	- -	Vibration-proof Tape	12X32X0.5		(VU95430)		

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KEY BOARD ASSEMBLY



	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
*		**V5529900**	KEYBOARD ASSEMBLY	16LMK C61 P1M		DJX-II		
	1	**- -**	Frame	C61		(VS15380)		
	1	**VU328600**	Frame	C61 16M				10
*	2	**V5569000**	White Keys Dark Gray	16L CEGB-DG			3	
*	3	**V5569200**	White Keys Dark Gray	16L DFA-DG			3	
*	4	**V5569400**	White Keys Dark Gray	16L C'-DG				
	5	**VH181200**	Black Key	16L #			5	03
	6	**VH181300**	Felt					03
	7	**VH181400**	Rubber Sheet					01
	8	**VE975200**	Rubber Contact	12Keys			5	03
	9	**VE975300**	Rubber Contact	1Key				01
	10	**VS513800**	Circuit Board	MK				08
	11	**EP600310**	Bind Head Tapping Screw-P	3.0X16 MFZN2Y			21	01
	11	**VS756700**	Bind Head Tapping Screw-P	3.0X16 MFZN2B			21	01
*	13	**V5569100**	White Keys Light Gray	16L CEGB-LG			2	
*	14	**V5569300**	White Keys Light Gray	16L DFA-LG			2	

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■ ELECTRICAL PARTS

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
			ELECTRICAL PARTS			DJX-II		
*		**V5275300**	Circuit Board	AM		(XY482C0)		
*		**V5275200**	Circuit Board	DM		(XY481D0)		
		VS513800	Circuit Board	MK		(XP370A0)		08
*		**V5275400**	Circuit Board	PN		(XY557C0)		
*		**V5275300**	Circuit Board	AM		(XY482C0)		
		EP600250	Bind Head Tapping Screw-B	3.0X8 MFZN2Y				01
		EP630220	Bind Head Tapping Screw-P	3.0X8 MFZN2BL				01
		- -	Angle Bracket			(V564470)		
		- -	Jumper Wire	WJ2		(V666940)		
		- -	Jumper Wire	WJ3		(V666950)		
		- -	Jumper Wire	0.55		(VA07890)		
	C0501	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0510	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0511	**UA654330**	Mylar Capacitor	0.0330 50V J				01
*	C0512	**VU838100**	Monolithic Mylar Capacitor	1.0 50V J				
	C0521	**UA654330**	Mylar Capacitor	0.0330 50V J				01
*	C0522	**VU838100**	Monolithic Mylar Capacitor	1.0 50V J				
	C0531	**UA653100**	Mylar Capacitor	1000P 50V J				03
	C0532	**VE326700**	Monolithic Mylar Capacitor	0.39 50V J				01
	C0541	**UA653100**	Mylar Capacitor	1000P 50V J				03
	C0542	**VE326700**	Monolithic Mylar Capacitor	0.39 50V J				01
	C0552	**UA654330**	Mylar Capacitor	0.0330 50V J				01
	C0562	**UA654330**	Mylar Capacitor	0.0330 50V J				01
	C0570	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
	C0571	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
	C0572	**VB639900**	Electrolytic Cap.	4.7 50.0V				01
	C0580	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
	C0581	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
	C0582	**VB639900**	Electrolytic Cap.	4.7 50.0V				01
	C0700	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0701	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0711	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C0713	**FG612270**	Ceramic Capacitor-B	270P 50V K				01
	C0714	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
	C0721	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C0723	**FG612270**	Ceramic Capacitor-B	270P 50V K				01
	C0724	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
	C0730	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0731	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C0732	**FG651470**	Ceramic Capacitor-SL	47P 50V J				01
	C0733	**FG612330**	Ceramic Capacitor-B	330P 50V K				01
	C0742	**VT757800**	Monolithic Ceramic Cap.	1.000 25V Z				01
	C0742	**V6490000**	Monolithic Ceramic Cap.	1.000 25V Z				01
	C0743	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
	C0744	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
	C0752	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0760	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0761	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C0762	**FG613330**	Ceramic Capacitor-B	3300P 50V K				01
	C0763	**FG612330**	Ceramic Capacitor-B	330P 50V K				01
	C0764	**FG613150**	Ceramic Capacitor-B	1500P 50V K				01
	C0765	**FG613180**	Ceramic Capacitor-B	1800P 50V K				01
	C0766	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
	C0767	**UN837100**	Electrolytic Cap.-BP	10.00 16.0V				01
	C0771	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0800	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0801	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0802	**UR827330**	Electrolytic Cap.	33.00 10.0V				01
	C0803	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C0804	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
	C0811	**VT757800**	Monolithic Ceramic Cap.	1.000 25V Z		}		01
	C0811	**V6490000**	Monolithic Ceramic Cap.	1.000 25V Z		}		01
	C0812	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
	C0821	**VT757800**	Monolithic Ceramic Cap.	1.000 25V Z		}		01
	C0821	**V6490000**	Monolithic Ceramic Cap.	1.000 25V Z		}		01
	C0822	**FG612470**	Ceramic Capacitor-B	470P 50V K				01
	C0831	**UA654470**	Mylar Capacitor	0.0470 50V J				01
	C0832	**UA654470**	Mylar Capacitor	0.0470 50V J				01

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C0833	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0841	**UA654470**	Mylar Capacitor	0.0470 50V J				01
C0842	**UA654470**	Mylar Capacitor	0.0470 50V J				01
C0843	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0891	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
C0900	**VK373000**	Electrolytic Cap.	4700 25.0V				03
C0923	**UR867100**	Electrolytic Cap.	10.00 50.0V				01
C0924	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0925	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
C0931	**UR867100**	Electrolytic Cap.	10.00 50.0V				01
C0932	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0933	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
CN210	**VK026900**	Wire Trap	52151 10P SE				01
CN410	**VK025100**	Wire Trap	52147 7P TE				01
CN420	**VK025100**	Wire Trap	52147 7P TE				01
CN430	**VI878400**	Cable Holder	51048 6P TE				01
CN431	**VI878400**	Cable Holder	51048 6P TE				01
CN501	**VI878200**	Cable Holder	51048 4P TE				01
CN590	**VI878300**	Cable Holder	51048 5P TE				01
CN700	**VF728300**	Wire Trap	52147 6P TE				01
CN701	**VF728300**	Wire Trap	52147 6P TE				01
CN750	**VI878100**	Cable Holder	51048 3P TE				01
CN751	**VI878100**	Cable Holder	51048 3P TE				01
CN760	**VI878100**	Cable Holder	51048 3P TE				01
CN770	**VI878200**	Cable Holder	51048 4P TE				01
CN800	**VI878300**	Cable Holder	51048 5P TE				01
CN801	**VI878300**	Cable Holder	51048 5P TE				01
CN860	**LB918040**	Base Post Connector	XH 4P TE				01
CN891	**VK024900**	Wire Trap	52147 5P TE				01
CN911	**LB918020**	Base Post Connector	XH 2P TE				01
CN930	**VI878200**	Cable Holder	51048 4P TE				01
CN931	**VI878200**	Cable Holder	51048 4P TE				01
CN940	**VK024900**	Wire Trap	52147 5P TE				01
D0200	**VB941200**	Diode	1SS133,1SS176				01
D0210	**VB941200**	Diode	1SS133,1SS176				01
D0220	**VB941200**	Diode	1SS133,1SS176				01
D0230	**VB941200**	Diode	1SS133,1SS176				01
D0731	**VB941200**	Diode	1SS133,1SS176				01
D0732	**VB941200**	Diode	1SS133,1SS176				01
⚠ D0901	**VL723600**	Diode	20E1-FC4				01
⚠ D0901	**VY717100**	Diode	LT2A02-E				01
⚠ D0902	**VL723600**	Diode	20E1-FC4				01
⚠ D0902	**VY717100**	Diode	LT2A02-E				01
D0931	**VB941200**	Diode	1SS133,1SS176				01
D0932	**VB481900**	Diode	11ES4				01
HS800	**V3822000**	Heat Sink	25BS098H-L35				03
HS800	**- -**	Heat Sink	25BS098H-L35		(V564640)		
IC510	**XU911A00**	IC	M5243AP06		GRAPHIC EQUALIZER		03
IC700	**XF633A00**	IC	UPC4572HA		OP AMP		02
IC730	**XF633A00**	IC	UPC4572HA		OP AMP		02
IC760	**XF633A00**	IC	UPC4572HA		OP AMP		02
IC800	**XQ619A00**	IC	LA4705NA		POWER AMP. 17W		05
IC920	**XE924A00**	IC	AN78L06		REGULATOR +6V		01
IC930	**XT625A00**	IC	S-81250SGY-Z		REGULATOR +5V		02
JK710	**VP599300**	Pin Jack	2P YKC21-3120		LINE OUT L/R		02
JK731	**VB312600**	Phone Jack	YKB21-5012 BL		MIC(SAMPLING/AUX IN)		02
JK741	**VK437600**	Pin Connector	1P YKC21-3182		LINE(SAMPLING/AUX IN)		02
JK770	**VJ107200**	DIN Connector	5P YKF51-5050		MIDI IN		01
JK780	**VJ107200**	DIN Connector	5P YKF51-5050		MIDI OUT		01
JK850	**LB101870**	Phone Jack	YKB21-5006		PHONES		03
JK901	**VC664500**	Connector	HEC2305		DC IN 10-12V		01
L0710	**VB971100**	Coil	20uH FL5R200QN				01
-712	**VB971100**	Coil	20uH FL5R200QN				01
L0730	**- -**	Jumper Wire	0.55		(VA07890)		
L0731	**VB971100**	Coil	20uH FL5R200QN				01
L0740	**VB971100**	Coil	20uH FL5R200QN				01
L0741	**VB971100**	Coil	20uH FL5R200QN				01
L0772	**VB971100**	Coil	20uH FL5R200QN				01
L0782	**VB971100**	Coil	20uH FL5R200QN				01
L0851	**VB971100**	Coil	20uH FL5R200QN				01

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	-853	**VB971100**	Coil	20uH FL5R200QN				01
	L0902	**VQ884000**	Line Filter	CM08RB01				03
*	LD300	**V5771600**	LED	SLZ-290B- -T1 GR		PLAYER 6		
	LD301	**VT425300**	LED	SLZ-290B-17-T1 GR		PRESS & HOLD		01
*	LD310	**V5771600**	LED	SLZ-290B- -T1 GR		PLAYER 5		
*	LD311	**V5771600**	LED	SLZ-290B- -T1 GR		PLAYER 2		
*	LD320	**V5771600**	LED	SLZ-290B- -T1 GR		PLAYER 4		
*	LD321	**V5771600**	LED	SLZ-290B- -T1 GR		PLAYER 1		
*	LD330	**V5771600**	LED	SLZ-290B- -T1 GR		PLAYER 3		
*	LD460	**V5853100**	LED	SLI-343URCT32 RE		PART SELECTOR(BASS,..,		
*	-463	**V5853100**	LED	SLI-343URCT32 RE		PHRASE1)		
*	LD464	**V5853300**	LED	SLI-343DCT32 GR		PATTERN BLASTER(7,8,9,10)		
*	-467	**V5853300**	LED	SLI-343DCT32 GR				
*	LD470	**V5853100**	LED	SLI-343URCT32 RE		PART SELECTOR(HI-HAT,..,		
*	-473	**V5853100**	LED	SLI-343URCT32 RE		PHRASE3)		
*	LD474	**V5853300**	LED	SLI-343DCT32 GR		PATTERN BLASTER(3,4,5,6)		
*	-477	**V5853300**	LED	SLI-343DCT32 GR				
*	LD480	**V5853100**	LED	SLI-343URCT32 RE		PART SELECTOR(R. BLASTER)		
*	LD481	**V5853200**	LED	SLI-343YCT32 YE		PART MIXER(BASS,..,PERC.)		
*	-487	**V5853200**	LED	SLI-343YCT32 YE				
*	LD494	**V5853200**	LED	SLI-343YCT32 YE		PART MIXER(PHRASE3)		
*	LD495	**V5853300**	LED	SLI-343DCT32		PATTERN BLASTER(1,2)		
*	-496	**V5853300**	LED	SLI-343DCT32				
	R0300	**HF754470**	Carbon Resistor	47.0 1/4 J				01
	R0301	**HF754470**	Carbon Resistor	47.0 1/4 J				01
	R0501	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
	R0502	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
	R0552	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
	R0562	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
	R0570	**HF754470**	Carbon Resistor	47.0 1/4 J				01
	R0571	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
	R0572	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0580	**HF754470**	Carbon Resistor	47.0 1/4 J				01
	R0581	**HF756560**	Carbon Resistor	5.6K 1/4 J				01
	R0582	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0701	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
	R0702	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
	R0711	**HF757150**	Carbon Resistor	15.0K 1/4 J				01
	R0713	**HF757270**	Carbon Resistor	27.0K 1/4 J				01
	R0714	**HF755680**	Carbon Resistor	680.0 1/4 J				01
	R0715	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0721	**HF757150**	Carbon Resistor	15.0K 1/4 J				01
	R0723	**HF757270**	Carbon Resistor	27.0K 1/4 J				01
	R0724	**HF755680**	Carbon Resistor	680.0 1/4 J				01
	R0725	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0731	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
	R0732	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
	R0733	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
	R0734	**HF756120**	Carbon Resistor	1.2K 1/4 J				01
	R0735	**HF757330**	Carbon Resistor	33.0K 1/4 J				01
	R0740	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
	R0741	**HF757150**	Carbon Resistor	15.0K 1/4 J				01
	-743	**HF757150**	Carbon Resistor	15.0K 1/4 J				01
	R0744	**HF754470**	Carbon Resistor	47.0 1/4 J				01
	R0751	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
	R0752	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
	R0761	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
	R0762	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0763	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0765	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	-767	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0768	**HF754470**	Carbon Resistor	47.0 1/4 J				01
	R0771	**HF755220**	Carbon Resistor	220.0 1/4 J				01
	R0781	**HF755220**	Carbon Resistor	220.0 1/4 J				01
	R0783	**HF755220**	Carbon Resistor	220.0 1/4 J				01
	R0801	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
	R0812	**HF757330**	Carbon Resistor	33.0K 1/4 J				01
	R0813	**HF756330**	Carbon Resistor	3.3K 1/4 J				01
	R0822	**HF757330**	Carbon Resistor	33.0K 1/4 J				01
	R0823	**HF756330**	Carbon Resistor	3.3K 1/4 J				01

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	R0831	**HF753220**	Carbon Resistor	2.2 1/4 J				01
	R0832	**HF753220**	Carbon Resistor	2.2 1/4 J				01
	R0833	**HF755100**	Carbon Resistor	100.0 1/4 J				01
	R0834	**HF755330**	Carbon Resistor	330.0 1/4 J				01
	R0841	**HF753220**	Carbon Resistor	2.2 1/4 J				01
	R0842	**HF753220**	Carbon Resistor	2.2 1/4 J				01
	R0843	**HF755100**	Carbon Resistor	100.0 1/4 J				01
	R0844	**HF755330**	Carbon Resistor	330.0 1/4 J				01
	R0931	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
	SW203	**VV439800**	Tact Switch	SKQNAJ		PLAYER 2		01
	SW204	**VV439800**	Tact Switch	SKQNAJ		PLAYER 1		01
	SW212	**VV439800**	Tact Switch	SKQNAJ		MIDI BULK SEND,PLAYER 3,		01
	-214	**VV439800**	Tact Switch	SKQNAJ		RECORD		01
	SW222	**VV439800**	Tact Switch	SKQNAJ		PRESS & HOLD,PLAYER 4,		01
	-224	**VV439800**	Tact Switch	SKQNAJ		DEMO		01
	SW232	**VV439800**	Tact Switch	SKQNAJ		PATTERN STOP,PLAYER 5,		01
	-234	**VV439800**	Tact Switch	SKQNAJ		PLAYER 6		01
⚠	SW930	**VY980400**	Push Switch	SDDLB1 J,UC,CEE		STANDBY/ON		03
⚠	TH900	**VV458000**	Protector Switch	RUE250 2.50A 30V				03
	VR510	**V2265600**	Rotary Variable Resistor	B 10.0K RK14K1230		ISOLATOR LOW		02
	VR530	**V2265600**	Rotary Variable Resistor	B 10.0K RK14K1230		ISOLATOR MID		02
	VR550	**V2265600**	Rotary Variable Resistor	B 10.0K RK14K1230		ISOLATOR HIGH		02
	VR750	**VQ670500**	Rotary Pot.	B 10K RK11K1130		INPUT LEVEL		02
	VR800	**VZ048400**	Rotary Variable Resistor	A10.0K XV0141GPVN2		MASTER VOLUME		02
	WH004	**- -**	Connector Assembly	ANA		(V564240)		
	WH007	**- -**	Connector Assembly	MIC		(V629260)		
	WH008	**- -**	Connector Assembly	AMI		(V564290)		
	WH011	**- -**	Connector Assembly	STB		(V564310)		
	WH012	**- -**	Connector Assembly	VOL		(V564320)		
	WH013	**- -**	Connector Assembly	LEV		(V564330)		
	WH015	**- -**	Connector Assembly	MID		(V629270)		
	WH019	**- -**	Connector Assembly	KLR		(V629190)		
	WH020	**- -**	GND Wire	EP1		(V629160)		
	ZD931	**VG439500**	Zener Diode	MTZ J 10.0B 10.0V		}		01
	ZD931	**VQ296000**	Zener Diode	MTZJ10B 10.0V		}		01
*		**V5275200**	Circuit Board	DM		(XY481D0)		
		EP600190	Bind Head Tapping Screw-B	3.0X8 MFZN2BL				01
		VK863100	IC Socket	DICF-42CS-E				03
		- -	Jumper Wire	WJ1		(V660750)		
	C0101	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0102	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0103	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0111	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0112	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0113	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0114	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0115	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0121	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0122	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0123	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0130	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
	C0131	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0132	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0140	**UR848100**	Electrolytic Cap.	100.00 25.0V				01
	C0151	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0152	**FG612100**	Ceramic Cap.-B	100P 50V K				01
	C0171	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0172	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0181	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0182	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0191	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0192	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0210	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0230	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0310	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0320	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0321	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
	C0330	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
	C0500	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01

*: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C0501	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0502	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0503	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0504	**UR837470**	Electrolytic Cap.	47.00 16.0V				01
C0505	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0506	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
-509	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0511	**FG613220**	Ceramic Capacitor-B	2200P 50V K				01
C0512	**FG612330**	Ceramic Capacitor-B	330P 50V K				01
C0513	**FG612220**	Ceramic Capacitor-B	220P 50V K				01
C0514	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
C0515	**FG612100**	Ceramic Cap.-B	100P 50V K				01
C0521	**FG613220**	Ceramic Capacitor-B	2200P 50V K				01
C0522	**FG612330**	Ceramic Capacitor-B	330P 50V K				01
C0523	**FG612220**	Ceramic Capacitor-B	220P 50V K				01
C0524	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
C0525	**FG612100**	Ceramic Cap.-B	100P 50V K				01
C0610	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0710	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0711	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0712	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
C0714	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
-716	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
C0718	**FG612100**	Ceramic Cap.-B	100P 50V K				01
-720	**FG612100**	Ceramic Cap.-B	100P 50V K				01
C0750	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
C0751	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
C0771	**UR837100**	Electrolytic Cap.	10.00 16.0V				01
C0781	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
C0782	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0792	**UR828100**	Electrolytic Cap.	100.00 10.0V				01
C0793	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
CN130	**VK024700**	Wire Trap	52147 3P TE				01
CN140	**VK025100**	Wire Trap	52147 7P TE				01
CN160	**VK024900**	Wire Trap	52147 5P TE				01
CN500	**VK024800**	Wire Trap	52147 4P TE				01
CN600	**VK024800**	Wire Trap	52147 4P TE				01
CN710	**VK025300**	Wire Trap	52147 9P TE				01
CN750	**VK024700**	Wire Trap	52147 3P TE				01
D0302	**VB941200**	Diode	1SS133,1SS176				01
D0601	**VB941200**	Diode	1SS133,1SS176				01
IC100	**XU947C00**	IC	HG73C205AFD		SWX00B		09
IC150	**XR902A00**	IC	IC-PST591D-2		SYSTEM RESET		02
IC180	**XU814A00**	IC	PQ05RD11		REGULATOR +5V 1.0A		03
IC190	**XT333A00**	IC	UPC29M33HF		REGULATOR +3.3V		03
* IC210	**XY635100**	IC	MSM27C3202CZ-NGS-K		MASK ROM WAVE 32M		
* IC210	**XY635C00**	IC	MSM27C3202CZ-NGS-K		OTP ROM WAVE 32M		
IC230	**XT810A00**	IC	MSM514260C-60TS-K		DRAM 4M		16
IC230	**XW125A00**	IC	SDM4260CLTM-6S				08
IC310	**XT138A00**	IC	UPD431000AGW-70LL		SRAM1 1M		07
IC310	**XW486A00**	IC	M5M51008CFP-55H				07
IC310	**XV976A00**	IC	M5M51008CFP-70H				07
* IC310	**XY909A00**	IC	UPD431000AGW				
IC320	**XT138A00**	IC	UPD431000AGW-70		SRAM2 1M		07
IC320	**XW486A00**	IC	M5M51008CFP-55H				07
IC320	**XV976A00**	IC	M5M51008CFP-70H				07
* IC320	**XY909A00**	IC	UPD431000AGW				
* IC330	**XY634C00**	IC	M27C160-100F1		EPROM 16M (PRG/PAR)		
* IC330	**XY634D00**	IC	M27C160-100F1		OTP ROM 16M (PRG/PAR)		
IC500	**XR998A00**	IC	UPD6379AGR		DAC		04
IC501	**XF633A00**	IC	UPC4572HA		OP AMP		02
IC610	**VG181900**	Photo Coupler	PC-900V				03
IC750	**XF483A00**	IC	LB1443N		LED DRIVER		02
L0130	**VB971100**	Coil	20uH FL5R200QN				01
L0141	**VB971100**	Coil	20uH FL5R200QN				01
L0146	**VB971100**	Coil	20uH FL5R200QN				01
L0160	**VB971100**	Coil	20uH FL5R200QN				01
L0161	**VB971100**	Coil	20uH FL5R200QN				01
L0171	**VB971100**	Coil	20uH FL5R200QN				01
L0500	**VB971100**	Coil	20uH FL5R200QN				01

*: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
-503	**VB971100**	Coil	20uH FL5R200QN				01
L0601	**VB971100**	Coil	20uH FL5R200QN				01
-604	**VB971100**	Coil	20uH FL5R200QN				01
L0710	**VB971100**	Coil	20uH FL5R200QN				01
-712	**VB971100**	Coil	20uH FL5R200QN				01
R0101	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0102	**HF756470**	Carbon Resistor	4.7K 1/4 J				01
R0103	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0104	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0105	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0111	**HF754470**	Carbon Resistor	47.0 1/4 J				01
-113	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0114	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
R0115	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
R0116	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0121	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0122	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0124	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0125	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
R0126	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0127	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
R0131	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
R0132	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
R0133	**HF755220**	Carbon Resistor	220.0 1/4 J				01
-136	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0142	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0143	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0144	**HF756270**	Carbon Resistor	2.7K 1/4 J				01
R0145	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0151	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0511	**HF756220**	Carbon Resistor	2.2K 1/4 J				01
R0512	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0513	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0514	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0515	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0521	**HF756220**	Carbon Resistor	2.2K 1/4 J				01
R0522	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0523	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0524	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0525	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0605	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0606	**HF757220**	Carbon Resistor	22.0K 1/4 J				01
R0610	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0712	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0714	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
-716	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0718	**HF755220**	Carbon Resistor	220.0 1/4 J				01
-720	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0721	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0722	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
R0723	**HF755220**	Carbon Resistor	220.0 1/4 J				01
R0771	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0781	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0782	**HF756100**	Carbon Resistor	1.0K 1/4 J				01
R0791	**VP440600**	Metal Film Resistor	4.7K 1/4 F				01
R0792	**VP440600**	Metal Film Resistor	4.7K 1/4 F				01
R0793	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
TR601	**IC174070**	Transistor	2SC1740S R,S				01
TR602	**IC174070**	Transistor	2SC1740S R,S				01
X0101	**V2192500**	Ceramic Resonator	8.4672M CST8.46MT				01
	VS513800	Circuit Board	MK		(XP370A0)		08
20	**VL644300**	Diode	IN4148TY-P=6		}		01
20	**VV437800**	Diode	1N4148(DO-34)		}		01
50	**VG924500**	Wire Trap	52328 17P TE				02
60	**- -**	Cable	4P		(VS12630)		
70	**- -**	Cable	6P		(VS12620)		
*	**V5275400**	Circuit Board	PN		(XY557C0)		
	EP600190	Bind Head Tapping Screw-B	3.0X8 MFZN2BL				01

*: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C0050	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0051	**UM378100**	Electrolytic Cap.	100.00 10.0V				01
C0052	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
C0100	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0101	**UM378100**	Electrolytic Cap.	100.00 10.0V				01
C0110	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0111	**UM378100**	Electrolytic Cap.	100.00 10.0V				01
C0120	**FG644100**	Ceramic Capacitor-F	0.0100 50V Z				01
C0121	**UM378100**	Electrolytic Cap.	100.00 10.0V				01
C0601	**FG613100**	Ceramic Capacitor-B	1000P 50V K				01
C0640	**VC694800**	Semiconductive Cera. Cap.	0.1000 25V Z				01
C0651	**UM378100**	Electrolytic Cap.	100.00 10.0V				01
C0652	**UM378100**	Electrolytic Cap.	100.00 10.0V				01
CN001	**VG924500**	Wire Trap	52328 17P TE				02
CN010	**VK024800**	Wire Trap	52147 4P TE				01
CN011	**VI878200**	Cable Holder	51048 4P TE				01
CN050	**VI878500**	Cable Holder	51048 7P TE				01
CN211	**VI878800**	Cable Holder	51048 10P TE				01
CN250	**VI878100**	Cable Holder	51048 3P TE				01
CN411	**VI878500**	Cable Holder	51048 7P TE				01
CN421	**VI878500**	Cable Holder	51048 7P TE				01
CN601	**VU033600**	Connector	FM 5P SE				01
CN650	**VI878700**	Cable Holder	51048 9P TE				01
D0100	**VB941200**	Diode	1SS133,1SS176				01
D0200	**VB941200**	Diode	1SS133,1SS176				01
D0210	**VB941200**	Diode	1SS133,1SS176				01
D0220	**VB941200**	Diode	1SS133,1SS176				01
D0230	**VB941200**	Diode	1SS133,1SS176				01
D0240	**VB941200**	Diode	1SS133,1SS176				01
D0601	**VB941200**	Diode	1SS133,1SS176				01
EC010	**VU481300**	Encoder	REB161 PVB 15F		DATA Dial		03
IC050	**XU814A00**	IC	PQ05RD11		REGULATOR +5V 1.0A		03
IC100	**XS711200**	IC	MN101C027YB		CPU		06
IC640	**XR056A00**	IC	TC74HC4051AF-TP		MULTIPLEXER		02
* LD303	**V5771400**	LED	SLZ-190B- -T1 RE		DISTORTION		
* LD312	**V5771400**	LED	SLZ-190B- -T1 RE		PATTERN/ENTER		
* LD313	**V5771400**	LED	SLZ-190B- -T1 RE		AUTO PAN		
* LD322	**V5771400**	LED	SLZ-190B- -T1 RE		WHA		
* LD323	**V5771400**	LED	SLZ-190B- -T1 RE		RING MOD		
LD331	**VT425300**	LED	SLZ-290B-17-T1 GR		SCRATCH 2		01
* LD332	**V5771400**	LED	SLZ-190B- -T1 RE		LO-FI		
* LD333	**V5771400**	LED	SLZ-190B- -T1 RE		FLANGER		
LD340	**VT425300**	LED	SLZ-290B-17-T1 GR		PITCH & BPM		01
LD341	**VT425300**	LED	SLZ-290B-17-T1 GR		SCRATCH 1		01
* LD342	**V5771400**	LED	SLZ-190B- -T1 RE		DELAY		
* LD343	**V5771400**	LED	SLZ-190B- -T1 RE		SLICER		
LD350	**VT425300**	LED	SLZ-290B-17-T1 GR		PITCH BEND		01
* LD351	**V5771600**	LED	SLZ-290B- -T1 GR		VOICE/KEYBOARD		
* LD352	**V5771400**	LED	SLZ-190B- -T1 RE		ECHO		
* LD353	**V5771400**	LED	SLZ-190B- -T1 RE		PHASER		
* LD360	**V5640100**	LED Display	7SEG. LB-602VA2				
* LD370	**V5640100**	LED Display	7SEG. LB-602VA2				
R0006	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
-18	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0100	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
-104	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0300	**HF754470**	Carbon Resistor	47.0 1/4 J				01
-303	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0360	**HF754470**	Carbon Resistor	47.0 1/4 J				01
-367	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0400	**HF754470**	Carbon Resistor	47.0 1/4 J				01
-407	**HF754470**	Carbon Resistor	47.0 1/4 J				01
R0601	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0602	**HF757100**	Carbon Resistor	10.0K 1/4 J				01
R0611	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0621	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0631	**HF758100**	Carbon Resistor	100.0K 1/4 J				01
R0641	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
-643	**HF757470**	Carbon Resistor	47.0K 1/4 J				01
R0655	**HF757470**	Carbon Resistor	47.0K 1/4 J				01

*: New Parts

RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	SW100	**VV439800**	Tact Switch	SKQNAJ		BPM/TAP/EXTSYNC		01
	SW200	**VV439800**	Tact Switch	SKQNAJ		SAMPLE PAD ONE SHOT 1-2,		01
	-202	**VV439800**	Tact Switch	SKQNAJ		ACTIVATOR		01
	SW210	**VV439800**	Tact Switch	SKQNAJ		SAMPLE PAD ONE SHOT 3		01
	SW211	**VV439800**	Tact Switch	SKQNAJ		EFF. SELECT		01
	SW220	**VV439800**	Tact Switch	SKQNAJ		SAMPLE PAD LOOP 4		01
	SW221	**VV439800**	Tact Switch	SKQNAJ		PATTERN/ENTER		01
	SW230	**VV439800**	Tact Switch	SKQNAJ		SAMPLE PAD LOOP 5		01
	SW231	**VV439800**	Tact Switch	SKQNAJ		VOICE/KEY BOARD		01
	SW240	**VV439800**	Tact Switch	SKQNAJ		SAMPLE PAD LOOP 6		01
	SW241	**VV439800**	Tact Switch	SKQNAJ		RIB. SELECT		01
*	SW250	**V6025500**	Toggle Switch	M-2015B-		ON/OFF		
	SW600	**VV439800**	Tact Switch	SKQNAJ		SAMPLING/STOP		01
	TA110	**VI707900**	Transistor Array	ULN2803A				03
	TR111	**VK165500**	Digital Transistor	DTC123JS TP				01
	-114	**VK165500**	Digital Transistor	DTC123JS TP				01
	TR120	**VT817300**	Digital Transistor	DTB113ZS TP				01
	-129	**VT817300**	Digital Transistor	DTB113ZS TP				01
	VR020	**VQ670500**	Rotary Pot.	B 10K RK11K1130		CONTROL		02
	VR030	**VQ670500**	Rotary Pot.	B 10K RK11K1130		BALANCE		02
	VR610	**VQ032500**	Rotary Variable Resistor	B 10K RK11K113		VOLUME		02
	VR620	**VQ032500**	Rotary Variable Resistor	B 10K RK11K113		RESONANCE		02
	VR630	**VQ032500**	Rotary Variable Resistor	B 10K RK11K113		CUT OFF		02
	WH000	**- -**	Connector Assembly	PNR		(V564200)		
	WH001	**- -**	Connector Assembly	DIA		(V564210)		
	WH002	**- -**	Connector Assembly	TGL		(V564220)		
	WH003	**- -**	Connector Assembly	ADI		(V564230)		
	WH005	**- -**	Connector Assembly	KL1		(V564250)		
	WH006	**- -**	Connector Assembly	KL2		(V629180)		
	WH009	**- -**	Connector Assembly	PSC		(V564300)		
	WH021	**- -**	GND Wire	EP2		(V639560)		
	X0100	**VE222400**	Ceramic Resonator	8 MHz EFO-FC8004A4				03
		V2450100	Ribbon Controller	FS-MR-009-09-1094				07
*		**XY638A00**	Speaker	12.0cm 4ohm 8W			2	

*: New Parts

RANK: Japan only

■DJX-II OVERALL CIRCUIT DIAGRAM 1/2 (DM, AM(AM, JK, PNR, LEV, VOL, STB), PN(TGL))

DJX-II

DM

IC210 MSM27C3202CZ-NG ROM2
MASK ROM WAVE 32M
OTP ROM WAVE 32M

IC230 MSM514260C DRAM 4M

EPROM 16M (PRG/PAR)
OTP ROM 16M (PRG/PAR)
IC330 M27C160 ROM1

SRAM2 1M
IC320 HY628100ALLG-55 SRAM2

SRAM1 1M
IC310 HY628100ALLG-55 SRAM1

IC100 SWX00B

S-BUS POWER
P-BUS POWER
C-BUS POWER

REGULATOR +3.3V
IC190 UPC29M33HF

SYSTEM RESET
IC150 IC-PST5991D-2

REGULATOR +5V 1.0A
IC180 PQ05RD11

DAC
IC500 UPD63979AGR
IC501 UPC4572HA

OP AMP

f0=22KHz -12db/oct

LED DRIVER
IC750 LB1443N

Photo Coupler
IC610 PC-900V

CN750 CH4P: AGND MIC1 AGND
CN760 CH4P: AGND MIC1 AGND
CN770 CH4P: MIDII+ MIDII- MIDIO+ MIDIO-
CN700 WT5P: +3.3D AGND DGND AN1 AN2 +5D PDT10 PDT11 PDT12
CN600 WT5P: MIDI+ MIDI- MIDIO+ MIDIO-
CN160 WT5P: +5R +V +V GND GND
CN500 WT5P: +6A AGND LOUT ROUT
CN140 WT7P: GND TXD LSTC RXD GND +V +V
CN130 WT3P: TOGL DGND DGND

to PN(PN)-CN650
to PN(PN)-CN211
to PN(PN)-CN050

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AM (JK)

MIC
SAMPLING/AUX IN
LINE
IN
MIDI
OUT

JK731 YKB21-5012
JK741 YKC21-3182
JK770 YKF51-5050
JK780 YKF51-5050

OP AMP 14.6KHz 29dB
OP AMP 22.6KHz 0dB
OP AMP 15KHz 0dB

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AM (LEV)

INPUT LEVEL

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AM (VOL)

MASTER VOLUME
VR800 XV0141GPVN20FSM

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AM (AM)

POWER AMP. 17W
IC900 LA4705NA
HS800 25BS09BH-L35

JK710 YKC21-3120 LINE OUT R L
JK850 YKB21-5006 PHONES
SPEAKER L R

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AM (PNR)

GRAPHIC EQUALIZER
ISOLATOR HIGH / HIGH BOOST
ISOLATOR MID / MID BOOST
ISOLATOR LOW / LOW BOOST
IC510 M62438GP

MIDI BULK SEND SW212
PRESS & HOLD SW222
PATTERN STOP SW232
PLAYER 2 SW203
PLAYER 3 SW213
PLAYER 4 SW223
PLAYER 5 SW233
PLAYER 1 SW204
RECORD SW214
DEMO SW224
PLAYER 6 SW234
PLAYER 6 LD300
PLAYER 5 LD310
PLAYER 4 LD320
PLAYER 3 LD330
PRESS & HOLD LD301
PLAYER 2 LD311
PLAYER 1 LD321

CN210 WT10P: GND S02 S03 S04 L08 L09 D00 D01 D02 D03

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AM (STB)

STANDBY/ON SW930
REGULATOR +5V IC930 S-81250SGY-Z
REGULATOR +6V IC920 AN78L06
CN911 XH2P: to BATTERY
JK901 HEC2305
DC-IN 10-12V

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PN (TGL)

LIVE EFFECTOR ON/OFF
SW250 M-2019B

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(マ): Mylar Capacitor
(セ): Ceramic Capacitor
(半セ): Semiconductive Cera Cap
(金): Metal Film Resistor

■ TO SERVICE PERSONNEL

Critical Components Information
Components having special characteristics are marked⚠ and must be replaced with parts having specifications equel to those originally installed.

Note: See parts list for details of circuit board component parts.

■DJX-II OVERALL CIRCUIT DIAGRAM 2/2 (PN(PN, DIAL), AM(KLL, KLR), MK)

PN(DIAL)

DATA DIAL

ECO10 REB161-LPVB-15F

FG2, COM, B, A, FG1

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CN010 W1P4: 1 2 3 4 — DIAL_A, DIAL_B, RDO, DGND

•SW Matrix

SW	DO[0]	DO[1]	DO[2]	DO[3]	DO[4]
SO[0]	S.PAD-2	S.PAD-3	S.PAD-4	S.PAD-5	S.PAD-6
SO[1]	S.PAD-1	EFF. SELECT	PAT./ENTER	VOICE/KEYB.	RIB. SELECT
SO[2]	ACCELERATOR	BULK SEND	BPM COUNTER	PAT. STOP	
SO[3]	P.REC-2	P.REC-3	P.REC-4	P.REC-5	
SO[4]	P.REC-1	PERF. REC	DEMO	P.REC-6	

PN(PN)

SAMPLE PAD

ONE SHOT 2 SW200 | ONE SHOT 3 SW210 | LOOP 4 SW220 | LOOP 5 SW230 | LOOP 6 SW240

ONE SHOT 1 SW201 | SW211 | SW221 | SW231 | SW241

ACTIVATOR SW202 | LIVE SELECTOR SELECT | PATTERN /ENTER | VOICE /KEYBOARD | RIBBON CONTROLLER SELECT

SO[0], SO[1], SO[2], SO[3], SO[4]

CN211 CH10P: DGND, SO0, SO1, SO2, SO3, L08, L09, L00, L01, L02, L03 — TE

to AM(PNR)-CN210

D200–D240 1SS133/176: DO[0]–DO[4]

TP200 — GND

PITCH&BPM LD340 GR | PITCH BEND LD350 GR | VOICE/KEYBOARD LD351 GR

SCRATCH2 LD331 GR | SCRATCH1 LD341 GR

PATTERN/ENTER LD312 RE | WHA LD322 RE | LO-FI LD332 RE | DELAY LD342 RE | ECHO LD352 RE

DISTORTION LD303 RE | AUTO PAN LD313 RE | RING MOD LD323 RE | FLANGER LD333 RE | SLICER LD343 RE | PHASER LD353 RE

47 R300 L[8] … 47 R303 L[11]

CN411 CH7P: DO8, DO7, DO6, L00, L01, L02, L03 — TE

CN421 CH7P: DO7, DO6, DO9, L04, L05, L06, L07 — TE

DO[8], DO[7], DO[6] — R400–R403 47 — L[0]–L[3]

DO[7], DO[6], DO[9] — R404–R407 47 — L[4]–L[7]

LD360 LB-602VA2 | LD370 LB-602VA2

47 R361 L[1], 47 R360 L[0], 47 R366 L[6], 47 R365 L[5]

47 R364 L[4], 47 R363 L[3], 47 R362 L[2], 47 R367 L[7]

L[0–7] DO[6–9]

SO[0–4] — L[0–11]

TR111–TR114 DTC123JS: L[8], L[9], L[10], L[11]

TA110 ULN2803A: L[0]–L[7]

TR126–TR129 DTB113ZS: DO[6], DO[7], DO[8], DO[9]

TR120–TR125 DTB113ZS: DO[0]–DO[5]

R100–R104 10K: SO[0]–SO[4] — GND

TA110 ULN2803A: COM10, GND, C111 100/10, C110 0.01u (↑E)

X100 EFO-EC8004A4 BM, C101 100/10, C100 0.01u (↑E)

CPU IC100 MN101C027YB

S1–S5, VREF+, VDD, OSC2, OSC1, VSS, XI, XO, MMOD, RXD, DO

L0–L7, L8–L11, SO0–SO5, AD0–AD3, VREF–

SO[1]–SO[4], SO[6]–SO[16]

BPM/TAP/EXT SYNC SW100 — D100 1SS133/176 — SO[10]

RDO	
SO[10]	TEMPO/TAP
SO[17]	DIAL(A)
SO[18]	DIAL(B)

DO[0–5]

+5V — BALANCE VR030 — CONTROL VR020 — MIN 10K MAX, FG1, FG2, RK11K113A0EA

CN011 CH4P: DIAL_A, DIAL_B, RDO, DGND — TE

REGULATOR +5V 1.0A

10K R018, 10K R017 — GND

IC050 PQ05RD11: ON/OFF, OUT, IN, COM

C051 100/10, C050 0.01u (↑E), C052 100/10, C053 1000P

CN050 CH7P: GND, RXD, LSIC, TXD, GND, +V, +V — TE

to DM-CN140

CN001 52328-1710: D0, D5, D1, S12, D2, S11, D3, S13, D4, S14, S7, S15, S8, S16, S9, S6, S10

R005–R016 10K: DO[0]–DO[5], SO[6]–SO[16]

CUT OFF VR630 | RESONANCE VR620 | VOLUME VR610 — MIN 10K MAX, FG1, FG2, RK11K113, R631–R633 100K

MULTIPLEXER

C640 0.1u

IC640 TC74HC4051AFEL: COM, INH, VEE, GND, VCC, A, B, C

R641–R643 47K

CN650 CH5P: +3.3D, AN0, DGND, AN1, AN2, +5D, PDT10, PDT11, PDT12 — TE

to DM-CN710

C652 100/10, C651 100/10, C650 100/10

R655 47K

SW600 SAMPLING/REC

FM CONNECTOR CN501 05FM-1.0ST: +3.3D, NC, RIBBON, NC, DGND

D501 1SS133/176, R601 10K, R602 10K, C601 1000P

RIBBON CONTROLLER

•LED Matrix

LED	DO[0]	DO[1]	DO[2]	DO[3]	DO[4]	DO[5]
LO[8]	P.REC-6	P.REC-5	P.REC-4	P.REC-3	PITCH&BPM	PITCH BEND
LO[9]	BPM COUNTER	P.REC-2	P.REC-1	SCRATCH2	SCRATCH1	VOICE/KEYB.
LO[10]		PATTERN/ENT.	WAH	LO-FI	DELAY	ECHO
LO[11]	DISTORTION	AUTO PAN	RING MOD	FLANGER	SLICER	PHASER

AM(KLL)

PART SELECTOR: BASS, KICK, SNARE, PHRASE1, HI-HAT, PHRASE2, PERC., PHRASE3, R.BLASTER

PART MIXER: BASS, KICK, SNARE, PHRASE1, HI-HAT, PHRASE2, PERC., PHRASE3

PATTERN PLAYER: 1, 2

CN410 W7P: DO8, DO7, DO6, L00, L01, L02, L03 — TE

RE LD460–LD470, LD480 | YE LD481–LD487, LD484, LD494 | GR LD495, LD496

CN420 W7P: DO7, DO6, DO9, L04, L05, L06, L07 — TE

CN431 CH6P: DO6, DO7, L04, L05, L06, L07 — TE

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AM(KLR)

PATTERN PLAYER: 3, 4, 5, 6, 7, 8, 9, 10

CN430 CH6P: DO6, DO7, L04, L05, L06, L07 — TE

GR LD477, LD476, LD475, LD474, LD464, LD465, LD466, LD467

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MK (61 Keys)

CN1 17×1.5P — KN: N0–N5, KB: B0–B10

C#1 D#1 F1 G1 A1 B1 C#2 … C#6 D#6 F6 G6 A6 B6 C7

• AN78L06 (XE924A00) REGULATOR +6V	1: INPUT 2: GND 3: OUTPUT
• μPC29M33HF (XT333A00) REGULATOR +3.3V	1: INPUT 2: COMMON 3: OUTPUT
•S-81250SGY-Z (XT625A00) REGULATOR +5V	1: GND 2: INPUT 3: OUTPUT
•PQ05RD11 (XU814A00) REGULATOR +5V 1.0A	1: IN 2: OUT 3: GND 4: ON/OFcont.

(セ): Ceramic Capacitor

(半セ): Semiconductive Cera Cap

Note: See parts list for details of circuit board component parts.