DRUM TRIGGER MODULE

DTXPLORER

SERVICE MANUAL

■ CONTENTS

YAMAHA
HAMAMATSU, JAPAN

ED 011764

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

The data provided is believed 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 part replacement. Recheck all work before you apply power to the unit.

LITHIUM BATTERY HANDLING

This product uses a lithium battery for memory back-up.

WARNING: Lithium batteries are dangerous because they can be exploded by improper handling. Observe the following precautions when handling or replacing lithium batteries.

- Leave lithium battery replacement to qualified service personnel.
- Always replace with batteries of the same type.
- When installing on the PC board by soldering, solder using the connection terminals provided on the battery cells. Never solder directly to the cells. Perform the soldering as quickly as possible.
- Never reverse the battery polarities when installing.
- Do not short the batteries.
- Do not attempt to recharge these batteries.
- Do not disassemble the batteries.
- Never heat batteries or throw them into fire.

ADVARSEL!
Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering. Udskiftning må kun ske med batteri af samme fabrikat og type. Levér det brugte batteri tilbage til leverandoren.

VARNING
Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens instruktion.

VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

The following information complies with Dutch Official Gazette 1995. 45; ESSENTIALS OF ORDER ON THE COLLECTION OF BATTERIES.

- Please refer to the diassembly procedure for the removal of Back-up Battery.
- Leest u voor het verwijderen van de backup batterij deze beschrijving.

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 WHATSOEVER!

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**

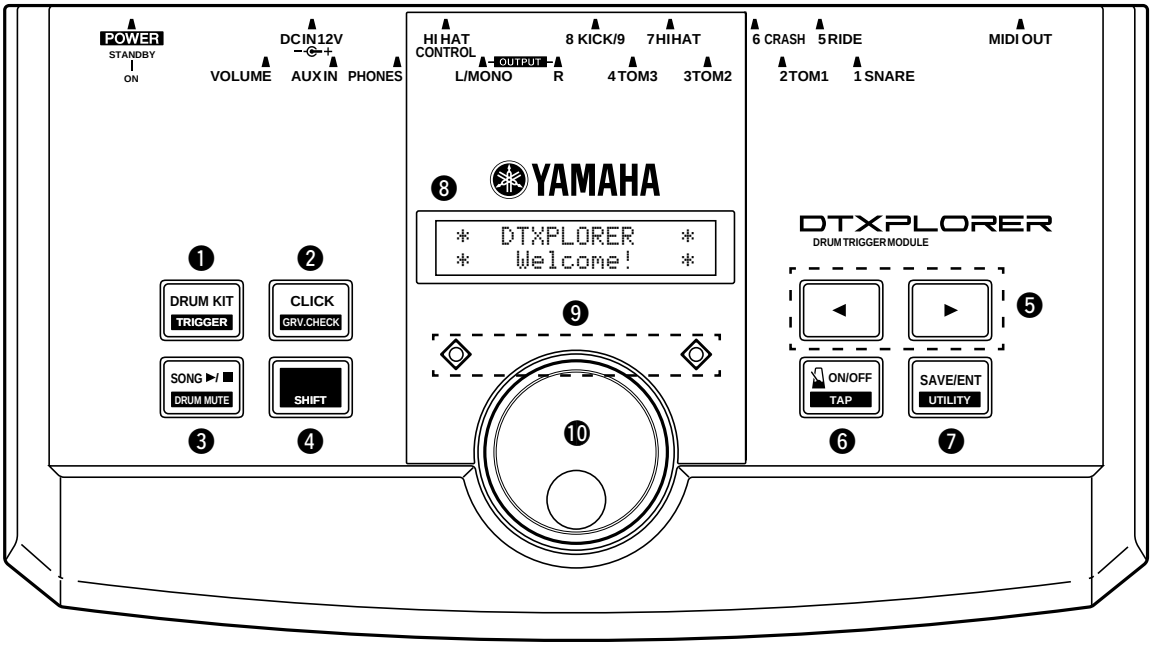
Components having special characteristics are marked ⚠ and must be replaced with parts having specification equal to those originally installed.

■ SPECIFICATIONS

Tone Generator	16 bit AWM2
Maximum polyphony	32
Voices	192 drum, percussion voices
Drum kits	32 Preset 10 User memory locations
Trigger setups	4 Preset 1 User memory location
Sequencer tracks	1
Other Sequencer Functions	Mute (rhythm mute), Bass Solo, Groove Check
Song	22 Preset (2 Demo Songs, 20 Pattern Songs)
Controls	
Buttons	DRUMKIT, CLICK, SONG,►/■, SHIFT, ◄, ►, ON/OFF, SAVE/ENT
Controllers	VOLUME, Jog Dial
Display	16 x 2 LCD display (w/Back light)
Connections	MIDI OUT HI HAT CONTROLLER (stereo phone jack) OUTPUT L/MONO (mono phone jack) OUTPUT R (mono phone jack) PHONES (stereo phone jack) AUX IN (stereo mini jack) Trigger Inputs 1, 5, 6 (stereo phone jack→L : trigger input, R : rim switch) Trigger Inputs 2, 3, 4, 7 (mono phone jack : trigger input) Trigger Input 8/9 (stereo phone jack→L, R : trigger input)
Power supply	DC 12V/AC adaptor (PA-3C)
Power Requirement	3.2 Watt
Dimensions (W x D x H)	252 x 140 x 54 mm (9-15/16” x 5-1/2” x 2-1/8”)
Weight	835 g (1 lbs. 13 oz.)
Accessories	Owner’s Manual AC adaptor

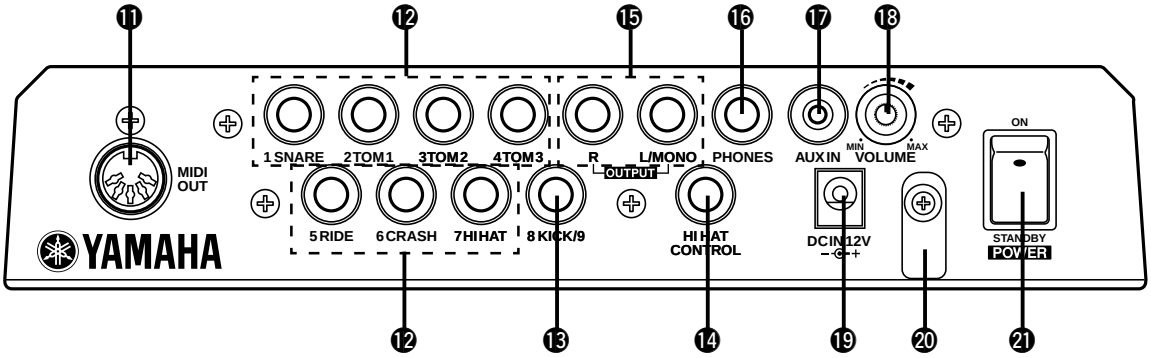
■ PANEL LAYOUT

• Top Panel



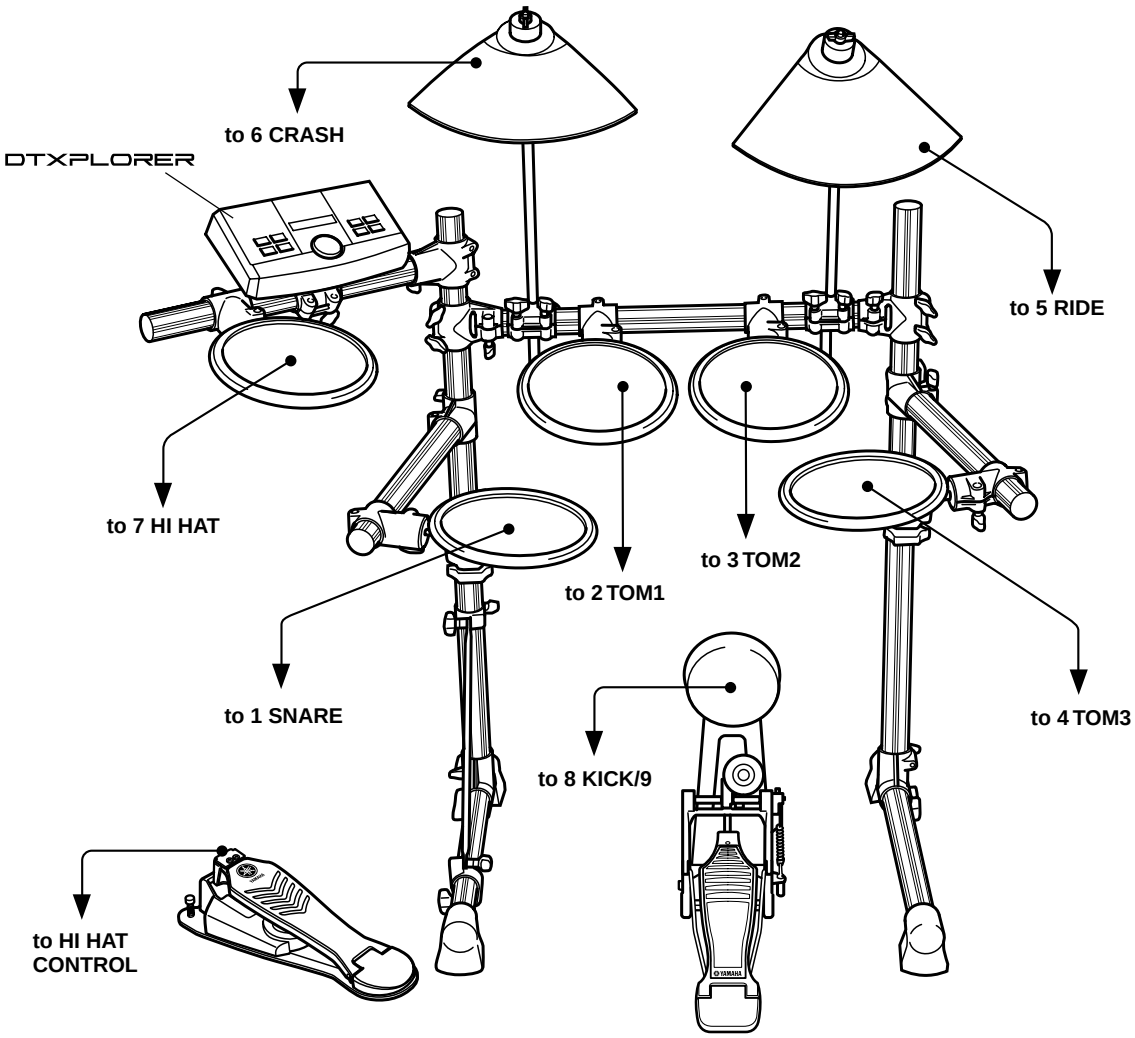
❶ Drum Kit Button (DRUM KIT)
❷ Click Button (CLICK)
❸ Song Button (SONG ▶/■)
❹ Shift Button (SHIFT)
❺ Select Buttons (◀, ▶)
❻ Metronome ON/OFF Button (ON/OFF)
❼ Save/Enter Button (SAVE/ENT)
❽ LCD Display
❾ Click Lamp
❿ Jog Dial

• Rear Panel



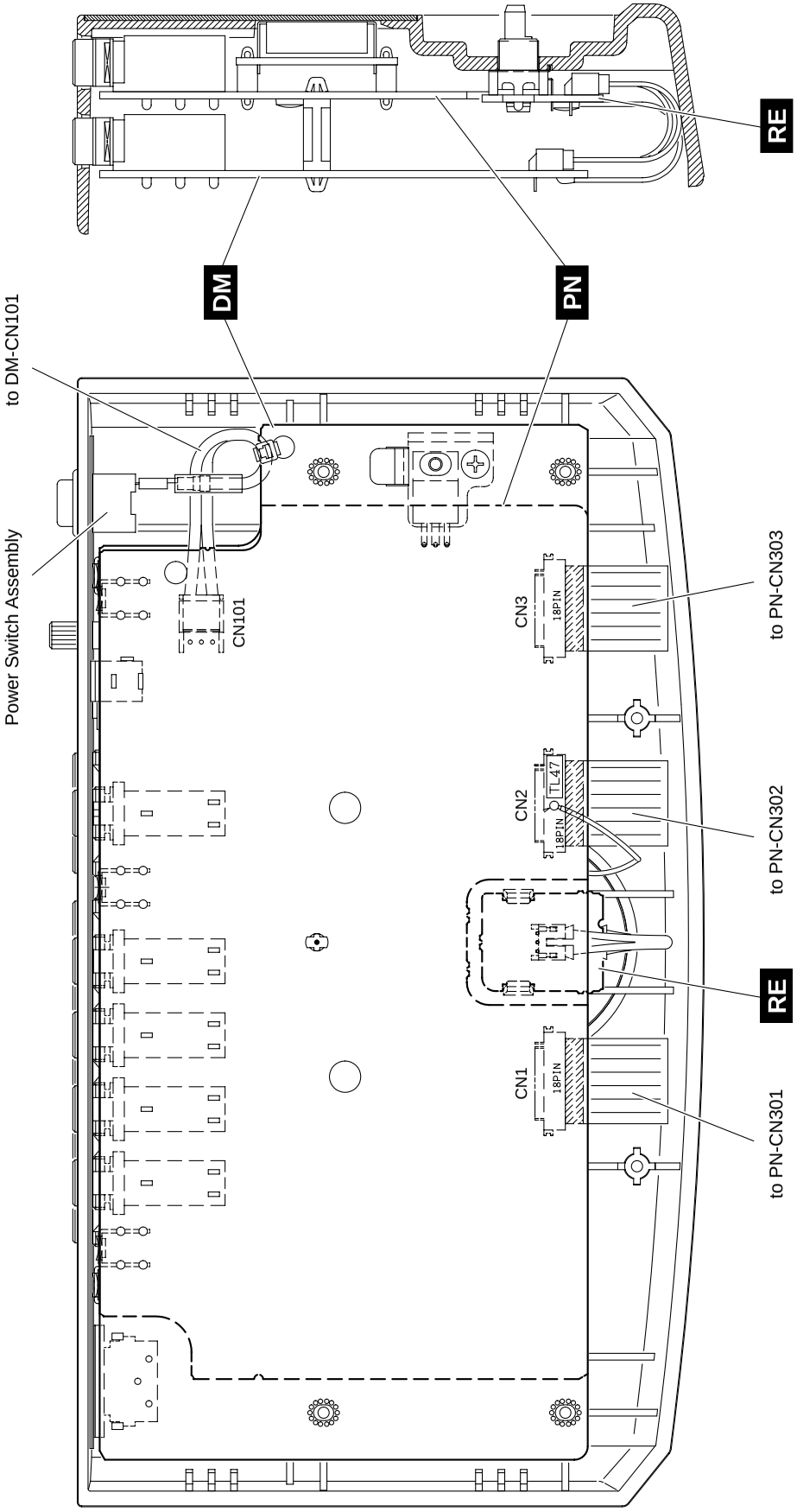
⓫ MIDI OUT Jack
⓬ Trigger Input Jacks (1 SNARE thru 7 HI HAT)
⓭ Trigger Input jack (8 KICK/9)
⓮ Hi-Hat Controller Jack (HI HAT CONTROL)
⓯ Output Jacks (OUTPUT L/MONO, R)
⓰ Head Phone Jack (PHONES)
⓱ AUX IN Jack
⓲ Master Volume (VOLUME)
⓳ Power Supply Jack (DC IN 12V)
⓴ Cord Hook
㉑ Power Switch (POWER)

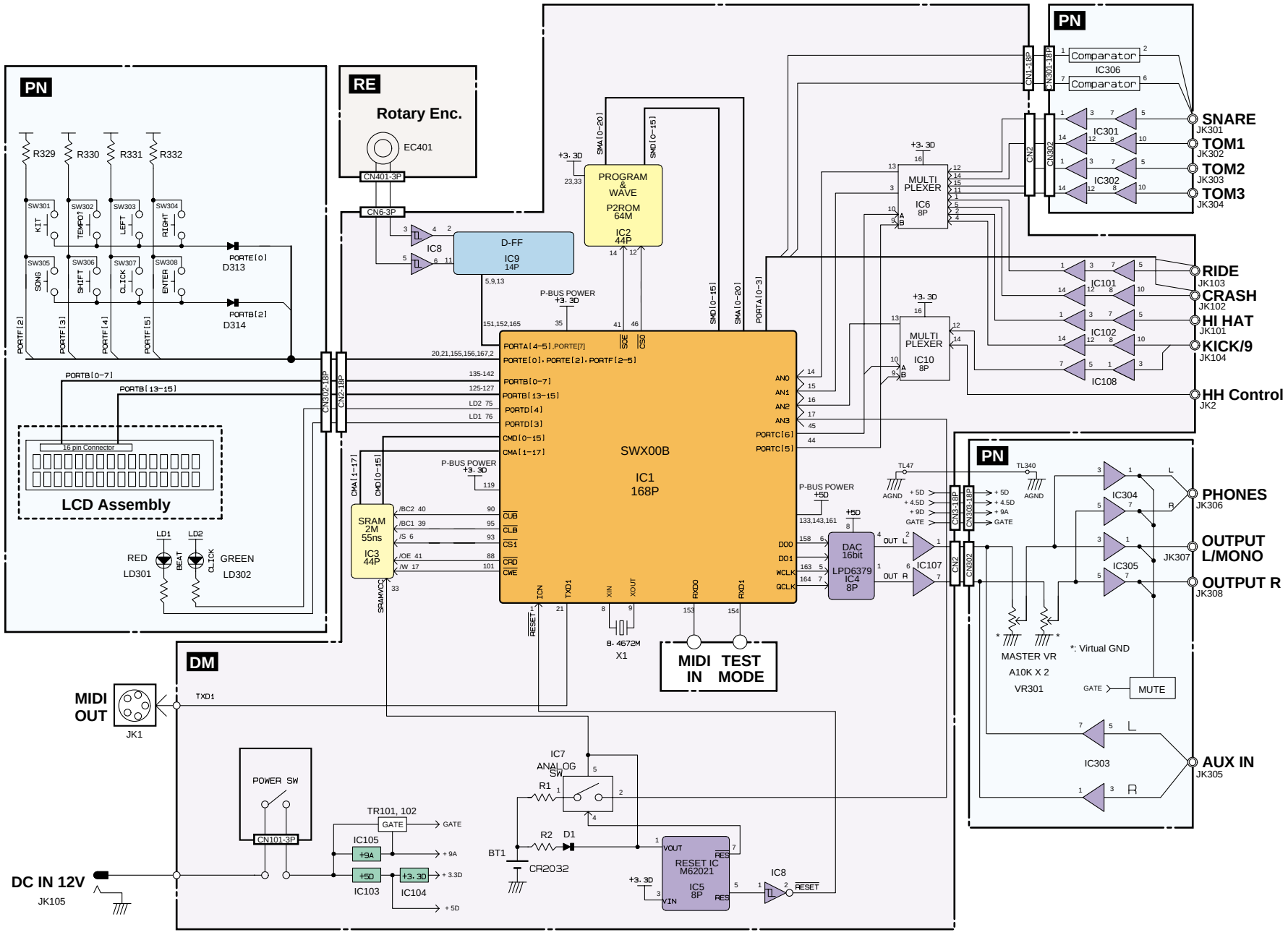
■ CONNECTING THE PADS



■ UNIT LAYOUT and WIRING

● Inside View




PN
RE
Rotary Enc.
EC401
CN401-3P
CN6-3P
R329
R330
R331
R332
SW301
SW302
SW303
SW304
KIT
TEMPO?
LEFT
RIGHT
SW305
SW306
SW307
SW308
SONG
SHIFT
CLICK
ENTER
PORTE[0]
D313
PORTE[2]
D314
PORTF[2]
PORTF[3]
PORTF[4]
PORTF[5]
PORTB[0-7]
PORTB[13-15]
16 pin Connector
LCD Assembly
LD1
LD2
RED
LD301
GREEN
LD302
BEAT
CLICK
CN302-18P
CN2-18P
IC8
D-FF
IC9
14P
PROGRAM
&
WAVE
P2ROM
64M
IC2
44P
+3.3D
P-BUS POWER
+3.3D
SMA[0-20]
SMD[0-15]
PORTA[0-3]
SDE
CSO
SWX00B
IC1
168P
PORTA[4-5],PORTE[7]
PORTE[0],PORTE[2],PORTF[2-5]
PORTB[0-7]
PORTB[13-15]
PORTD[4]
PORTD[3]
CMD[0-15]
CMA[1-17]
ANO
AN1
AN2
AN3
PORTC[6]
PORTC[5]
SRAM
2M
55ns
IC3
44P
/BC2
/BC1
/S
/OE
/W
CUB
CLB
CS1
CRD
CWE
SRAMVCC
RESET
TXD1
XIN
XOUT
RXD0
RXD1
8.4672M
X1
MIDI TEST
IN MODE
MULTI
PLEXER
IC6
8P
IC10
8P
IC301
IC302
IC101
IC102
IC108
Comparator
IC306
CN1-18P
CN301-18P
CN2
CN302
SNARE
JK301
TOM1
JK302
TOM2
JK303
TOM3
JK304
RIDE
JK103
CRASH
JK102
HI HAT
JK101
KICK/9
JK104
HH Control
JK2
DAC
16bit
LPD6379
IC4
8P
DOO
DO1
WCLK
QCLK
OUT L
OUT R
IC107
TL47
TL340
AGND
+5D
+4.5D
+9D
+9A
GATE
CN3-18P
CN303-18P
IC304
IC305
IC303
PHONES
JK306
OUTPUT
L/MONO
JK307
OUTPUT R
JK308
AUX IN
JK305
MASTER VR
A10K X 2
VR301
*: Virtual GND
MUTE
DM
MIDI
OUT
JK1
TXD1
POWER SW
CN101-3P
DC IN 12V
JK105
TR101, 102
IC105
IC103
IC104
+9A
+5D
+3.3D
+3.3D
+5D
IC7
ANALOG
SW
R1
R2
D1
BT1
CR2032
RESET IC
M62021
IC5
8P
VOUT
VIN
RES
IC8
RESET

■ DISASSEMBLY PROCEDURE

1. Bottom Case Assembly
(time required: about 1 minutes)

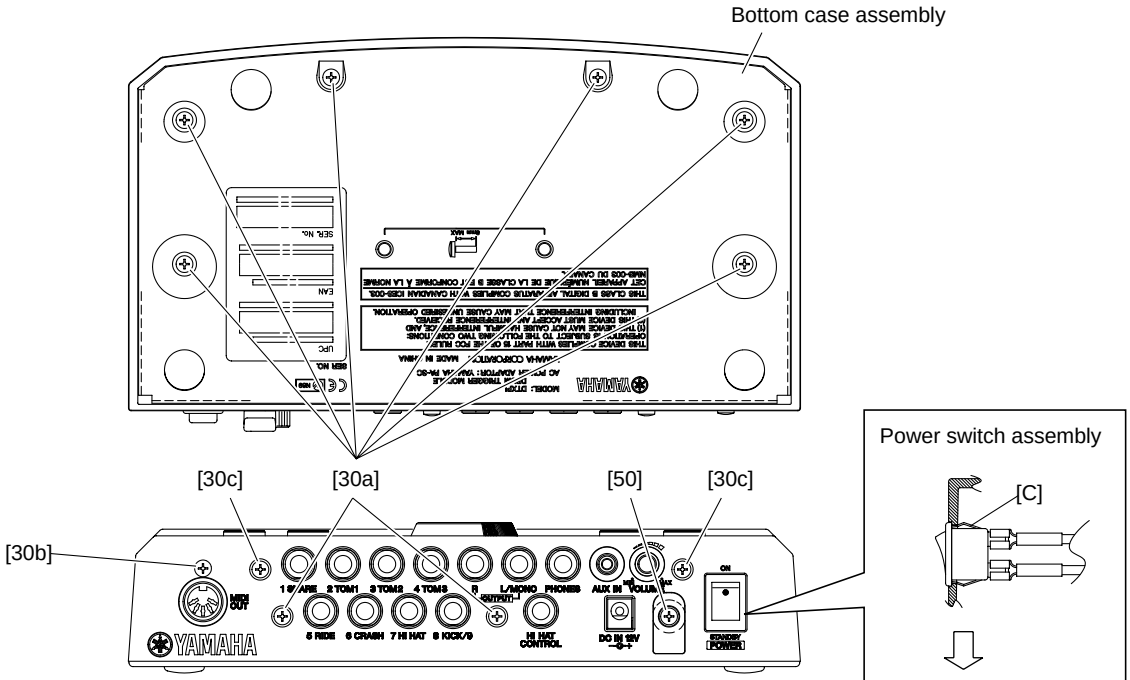
1-1 Remove the eight (8) screws marked [30a] and the screw marked [50]. The bottom case assembly can then be removed. (Fig. 1)

2. DM Circuit board (time required: about 2 minutes)

2-1 Remove the bottom case. (See Procedure 1.)
2-2 Remove the screw marked [30b] and the spacer support. The DM circuit board can then be removed. (Fig. 1 & 2)
* To remove the DM circuit board, remove the cord holder marked [A] and the solder marked [B].
* When reinstalling the bottom case assembly and DM circuit board, first install the screw marked [30b].

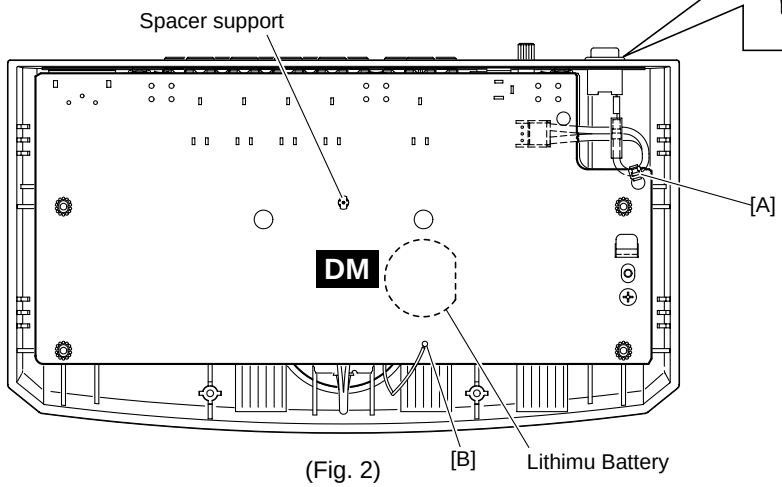
3. Power Switch Assembly
(time required: about 1 minutes)

3-1 Remove the bottom case assembly. (See Procedure 1.)
3-2 Remove the DM circuit board. (See Procedure 2.)
* Remove the power switch assembly while holding down the stopper marked [C].



[30]: Bind Head Tapping Screw-B 3.0x12 MFZN2BL (VQ074600)
[50]: Bind Head Tapping Screw-B 3.0x12 MFZN2BL (VQ074600)

(Fig. 1)

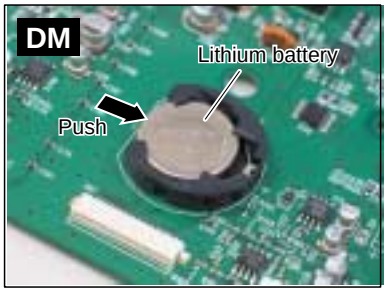


(Fig. 2)

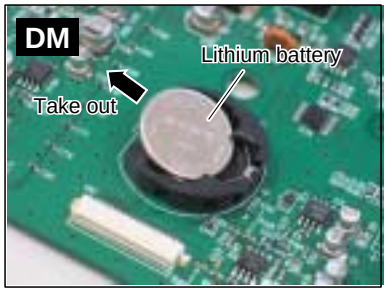
• Battery VN103500 (CR2032)

Notice for back-up battery removal

Push the battery as shows in photo 1 & 2, then the battery will pop up.



(Photo 1)



(Photo 2)

4. RE Circuit Board Assembly

(time required: about 2 minutes)

4-1 Remove the bottom case assembly. (See Procedure 1.)

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

4-3 Remove the jog dial, the nut marked [D] and the washer marked [E].
Then expand the hook marked [F] and remove the RE circuit board. (Fig. 3)(Photo 3 & 4)

5. PN Circuit Board Assembly

(time required: about 3 minutes)

5-1 Remove the bottom case assembly. (See Procedure 1.)

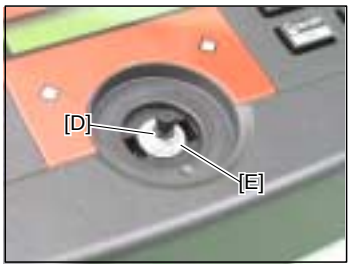
5-2 Remove the DM circuit board. (See Procedure 2.)

5-3 Remove the two (2) screws marked [30c], the eight (8) screws marked [T30]. The PN circuit board assembly can then be removed. (Fig. 1 & 3)

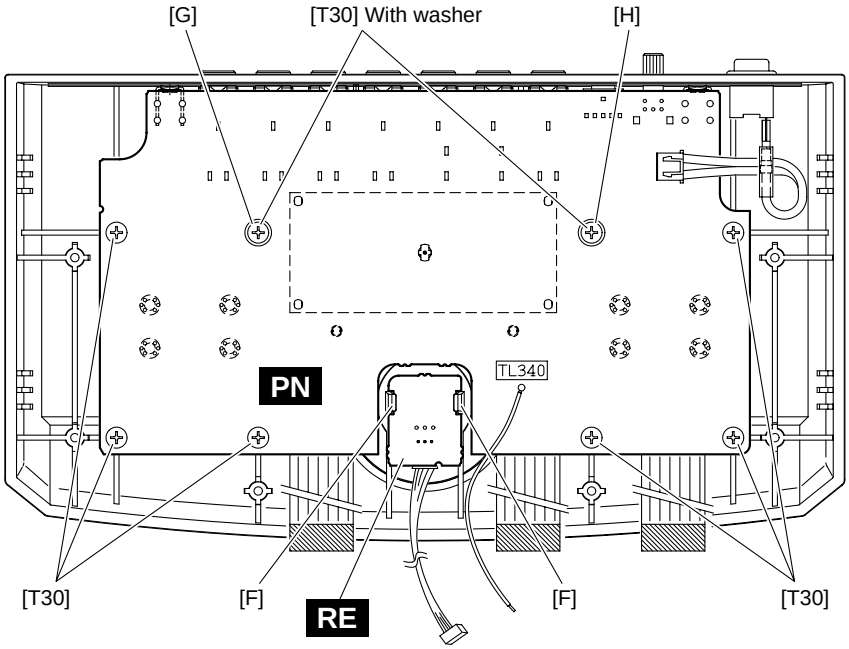
* Use some force to remove the PN circuit board after removing the screws from the PN circuit board.

* In order to reinstall the PN circuit board, use first the screw marked [G] and then the screw marked [H]. (Fig. 3)

(Photo 3)



(Photo 4)



[30]: Bind Head Tapping Screw-B 3.0x12 MFZN2BL (VQ074600)
[T30]: Bind Head Tapping Screw-B 3.0x8 MFZN2BL (EP600190)

(Fig. 3)

■ LSI PIN DESCRIPTION

● HG73C205AFD (XU947C00) SWX00B TONE GENERATOR

DM: IC1

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

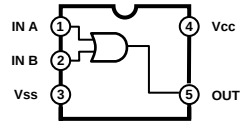
• **UPD6379A** (XR998A00) **DAC** (Digital to Analog Converter) DM: IC4

PIN No.	NAME	I/O	FUNCTION	PIN No.	NAME	I/O	FUNCTION
1	ROUT	O	Rch analog output	5	LRCK	I	L/R Clock
2	REF		Voltage reference	6	SI	I	Sirial data input
3	Vss		Ground	7	CLK	I	Shift clock
4	LOUT	O	Lch analog output	8	Vdd		Power supply +5A

■ IC BLOCK DIAGRAM

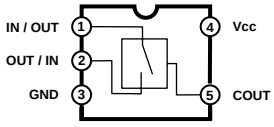
● **TC7S32F** (XM588A00)
OR

DM: IC12



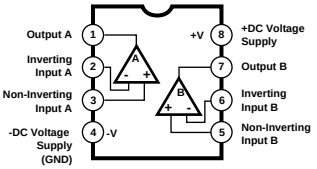
● **TC7S66FU** (XR867A00)
Analog Switch

DM: IC7



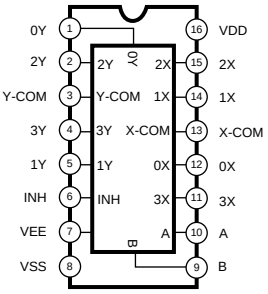
● **NJM2903M-TE1** (X5814A00)
● **NJM2904M** (XV190A00)
● **NJM4556AM-TE1** (X5049A00)
● **UPC4570GG2** (XF291A00)
Dual Operational Amplifier

DM: IC106, 107, 108
PN: IC303, 304, 305, 306



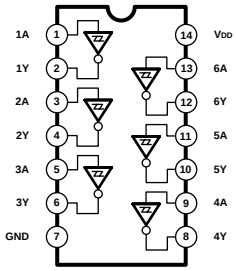
● **TC74HC4052AFT** (XV869A00)
Differential 4-Channel Multiplexer/Demultiplexer

DM: IC6, 10



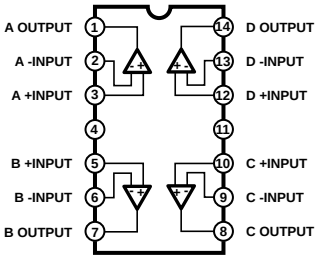
● **SN74HC14PWR** (XZ288A00)
Hex Inverter

DM: IC8



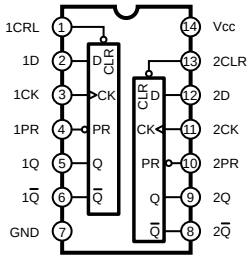
● **NJM2902M-TE1** (X4983A00)
Quad Operational Amplifier

DM: IC101, 102
PN: IC301, 302



● **74HC74DT** (X2171A00)
Dual D-Type Flip-Flop

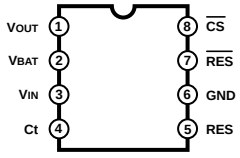
DM: IC9

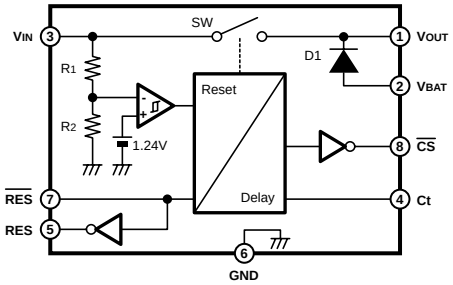


INPUTS				OUTPUTS	
PR	CLR	CLK	D	Q	Q
L	H	X	X	H	L
H	L	X	X	L	H
L	L	X	X	H	H
H	H	↑	H	H	L
H	H	↑	L	L	H
H	H	L	X	Q_0	$\overline{Q}_0$

● **M62023FP** (X2163A00)
System Reset

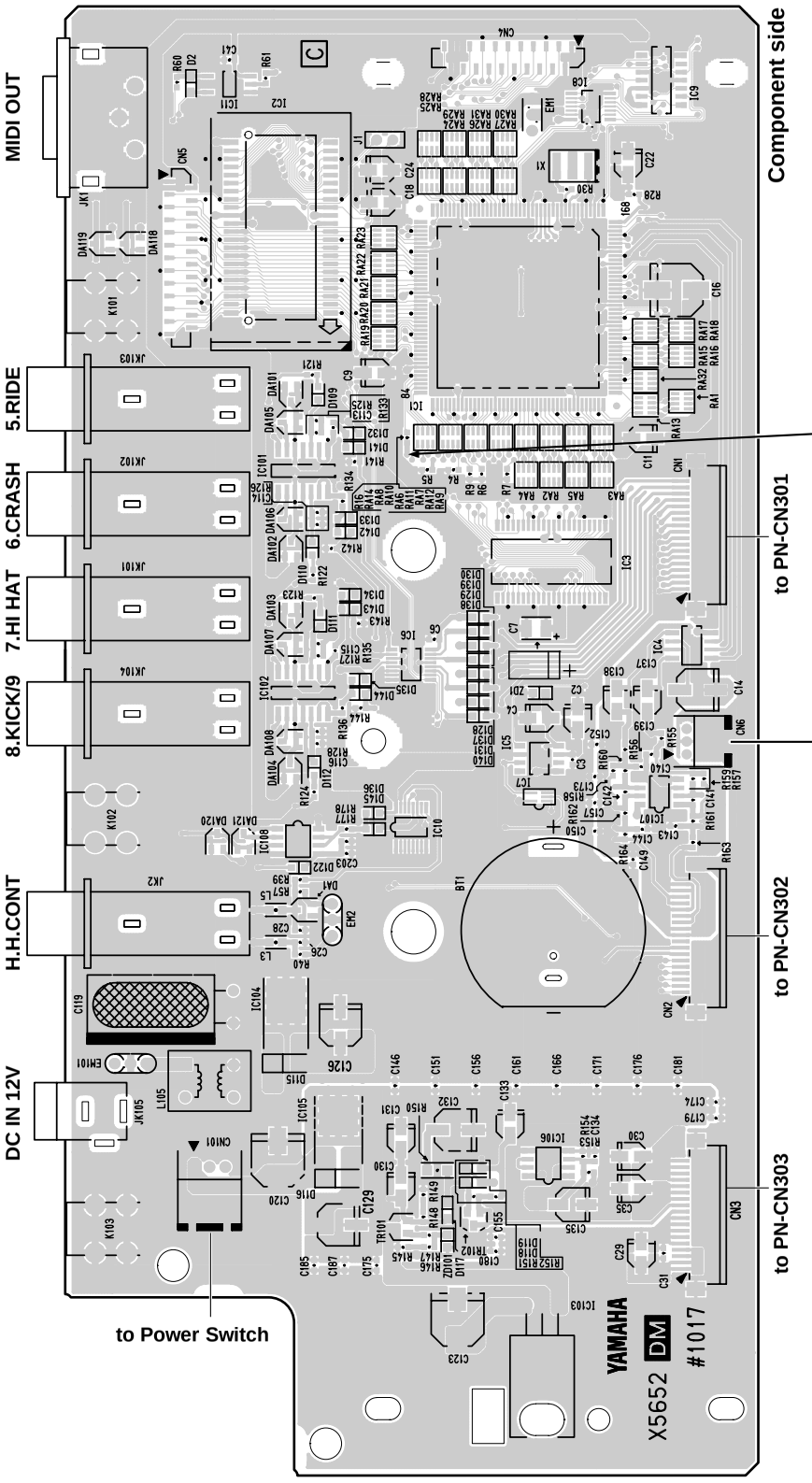
DM: IC5

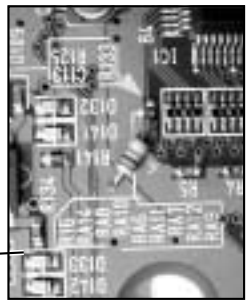




■ CIRCUIT BOARDS

• DM Circuit Board (Version C)

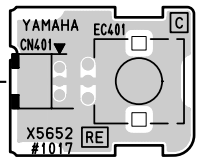




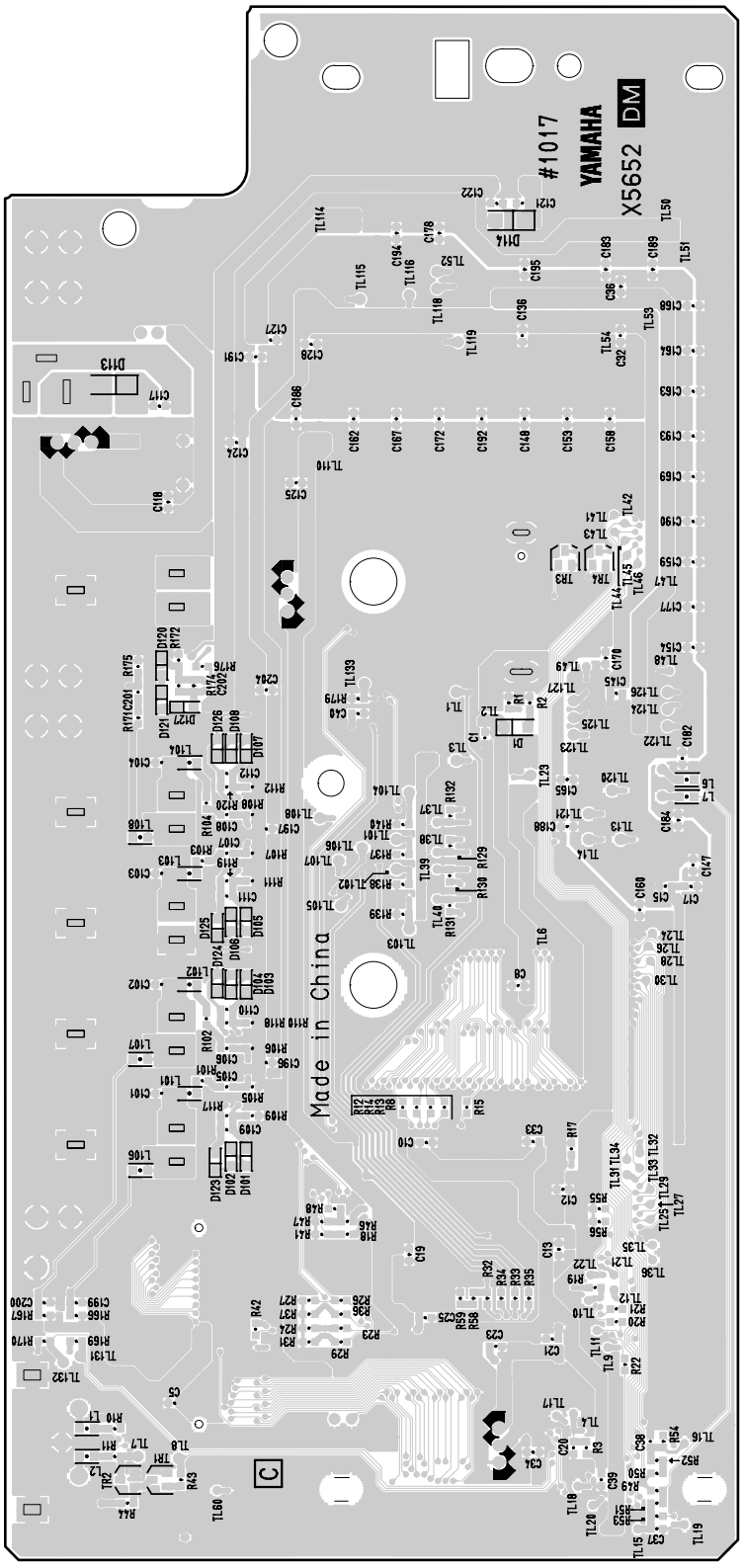
1. Add a resister (V973290: RES CARBON FILM 1.0K 1/8W) between R16 and a through hole of DGND referring to pic.1&2. Confirm that one leg of the resister pierce to the through hole.
2. Check the value of resistance between the point indicated by arrow and DGND. Confirm the value is about 1.1k ohm. (Refer to pic.2)

• RE Circuit Board

(Same as for version D)



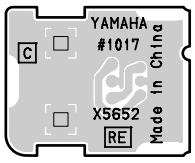
• DM Circuit Board (Version C)



Pattern side

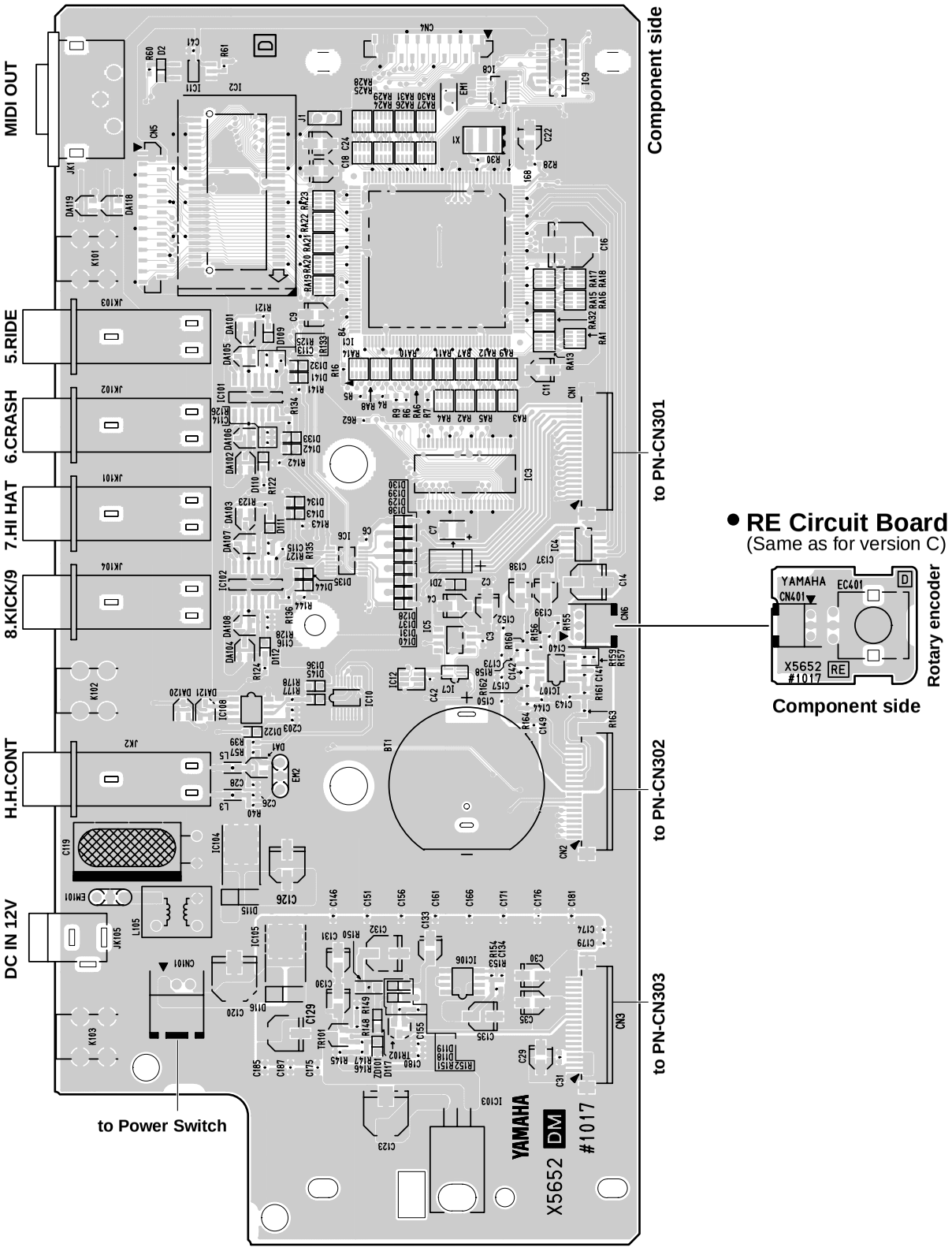
• RE Circuit Board

(Same as for version D)



Pattern side

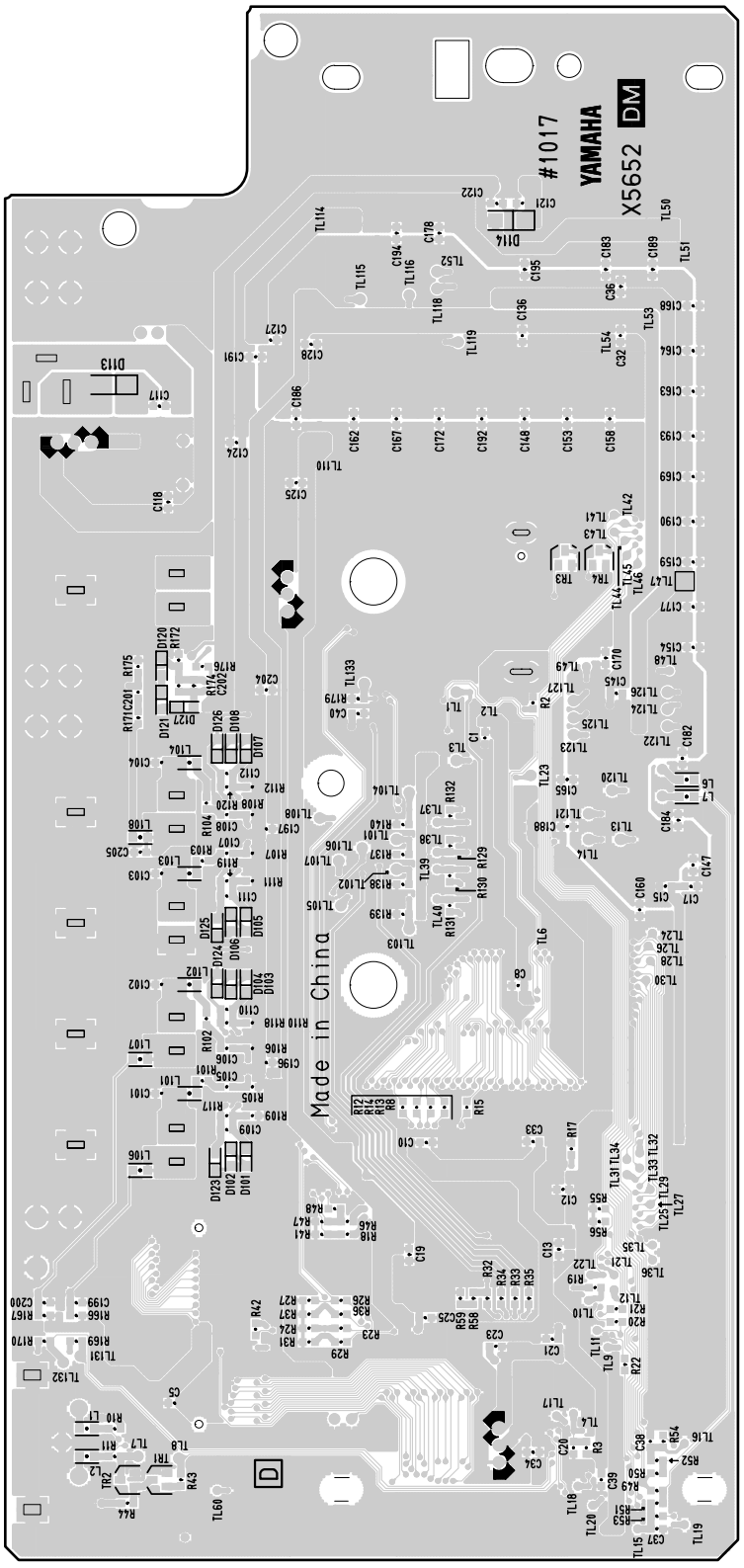
• DM Circuit Board (Version D)



• RE Circuit Board

(Same as for version C)

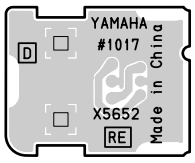
• DM Circuit Board (Version D)



Pattern side

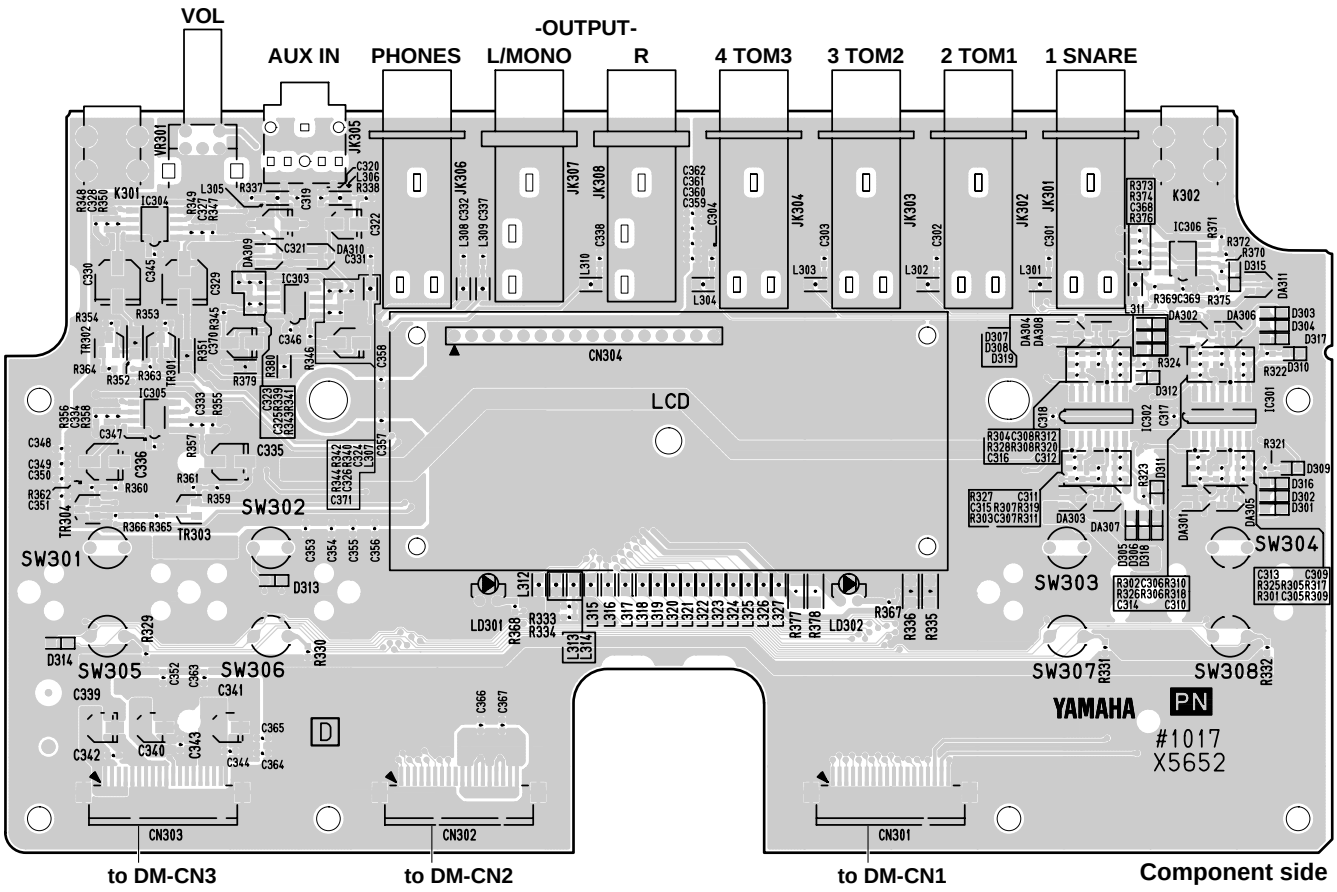
• RE Circuit Board

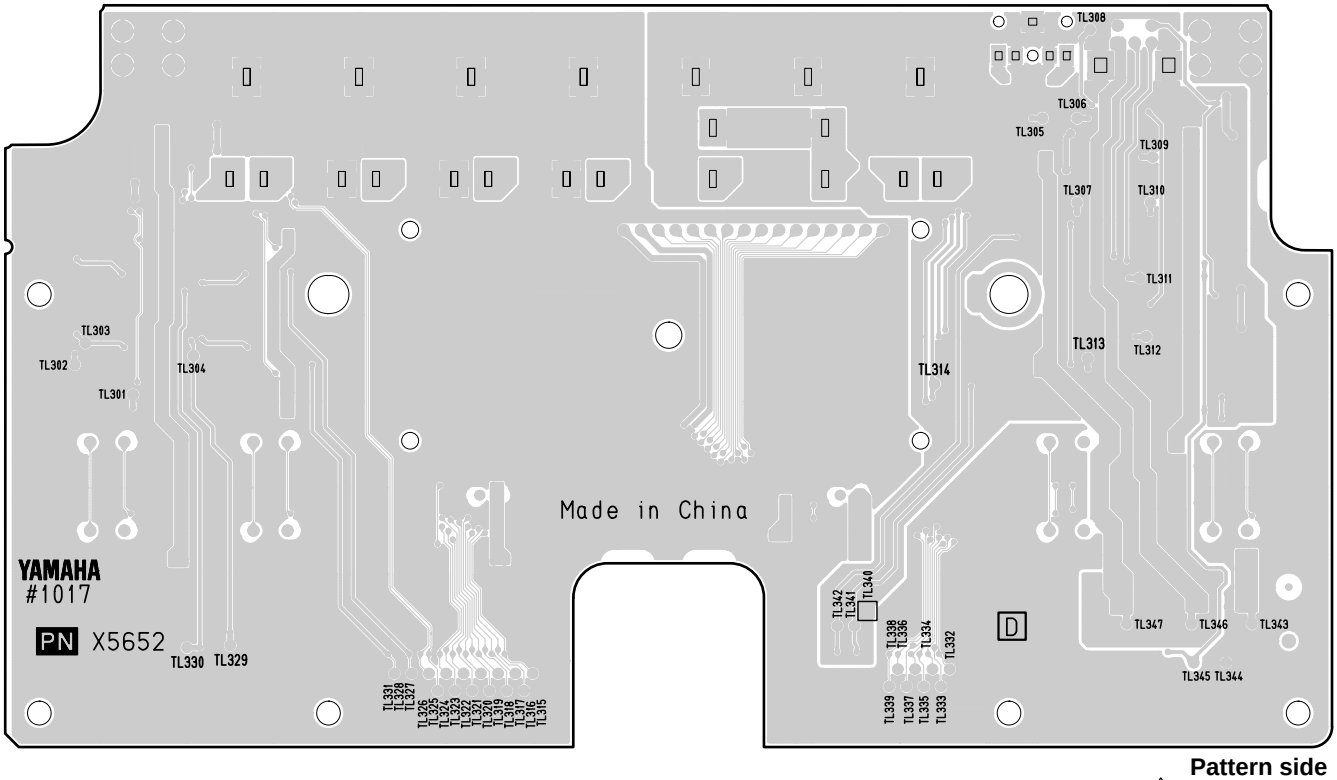
(Same as for version C)



Pattern side

• PN Circuit Board (Same as for version C)





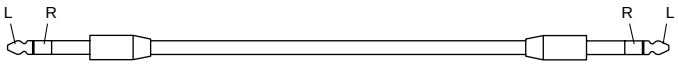
DM, RE: ENA-WD41150 ⚠0

■ TEST PROGRAM

Test No.	Title	Judgment criteria, etc.
	MEASURING CONDITION	
A	TEST ENTRY	
B	CARRYING ON THE TEST AND THE TEST AT THE TIME OF FAIL	
C	TEST ITEM	
C-01.	ROM	PROGRAM ROM READ (Automatic test)
C-02.	SRAM	SRAM READ / WRITE (Automatic test)
C-03.	BATTERY	BUTTON BATTERY (Automatic test)
C-04.	MIDI OUT	OUTPUT AT KEY ON/OFF
C-05.	LCD	CHECK VISUALLY / DISPLAY EACH PATTERN ON LCD
C-06.	LED	CHECK VISUALLY / LED ON/OFF
C-07.	SW	PANEL SWITCH ON
C-08.	ROTARY ENCODER	LEFT, RIGHT
C-09.	TRIGGER IN 1	
C-10.	TRIGGER IN 2	
C-11.	TRIGGER IN 3	
C-12.	TRIGGER IN 4	
C-13.	TRIGGER IN 5	
C-14.	TRIGGER IN 6	
C-15.	TRIGGER IN 7	
C-16.	TRIGGER IN 8	
C-17.	TRIGGER IN 9	
C-18.	RIM SW IN 1	Check the switch for ON/OFF operation.
C-19.	RIM SW L IN 1	Check the switch for ON/OFF operation. (3 zone side)
C-20.	RIM SW IN 5	Check the switch for ON/OFF operation.
C-21.	RIM SW IN 6	Check the switch for ON/OFF operation.
C-22.	HI HAT CONTROL	Maximum, Minimum
C-23.	OUTPUT L 1 kHz	Measurement
C-24.	OUTPUT R 1 kHz	Measurement
C-25.	AUX IN	Measurement
C-26.	32 ch OUT	Auditory check
C-27.	FACTORY SET	

Measuring condition

1) Use PA-3C (adapter).
2) Measuring instrunments
   Low-frequency oscillator, level meter, analog waveform measuring instrument, and powered speaker.
   * To measure audio output, use JIS C filter.
3) Jigs
   MIDI cable, USB cable, stereo (TRS) phone cable, and MIDI IN compatible module.
   Pad with 3 zone RIM switch (TP-65S etc.), HI-HAT controller. (HH65)



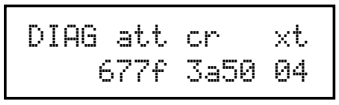
Stereo phone cable

A. TEST ENTRY

Perform the following operation when turning on power for the main unit.

Turn on power for the main unit while holding down the following buttons at the same time.

[KIT]+[SAVE/ENTER]



In case of any change, set each of the parameters below.

*Note that the change from ver. 1.00 to 1.02 is followed by a change of CR value.
Also change ver. 1.00 to "3a50" and check it.

For parameter setting, select the parameter you want to change using [←] and [→], and set it with ROTARY ENCODER. Each parameter is detailed below.

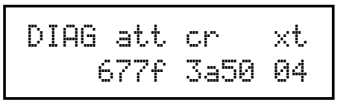
- All parameters are ranged from 00 to ff.
- The values referred to as the upper and lower limits are also included in the OK range.

67 —— Lower limit in the OK range in INPUT 1-9
7f —— Upper limit in the OK range in INPUT 1-9
3a —— Lower limit in the OK range after elapse of time in the time constant test for INPUT 1-9
50 —— Upper limit in the OK range after elapse of time in the time constant test for INPUT 1-9
04 —— Upper limit for the cross talk value in INPUT 1-9

*After changing all parameters, press [SAVE/ENTER] and the "Test No. Selection Screen" appears.

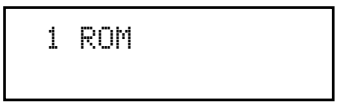
B. CARRYING ON THE TEST AND THE TEST AT THE TIME OF FAIL

In case of TEST ENTRY, the following screen first appears.



In case of any chang, set each parameter below.
For parameter setting, select the parmeter you want to change using [←] and [→], and set it with ROTARY ENCODER.

Pressing the [SAVE/ENTER] key displays the following screen.



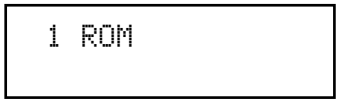
- This state is called the "Test No. Selection Screen".
- Using the [←] and [→] keys, select the Test No. and press the [SAVE/ENTER] key. The test can be automatically performed in order of Test No. starting with the selected Test No.
- In case of failure, the test stops with FAIL indicated.

Carrying on the test which is judged to be FAIL.

- Press the [SHIFT] key in case each test is judged to be FAIL. The Test No. Selection Screen will appear.

C-01. ROM

[Initial indication]

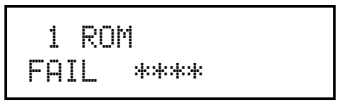


[Test content]
Read the data for ROM (IC2) and verify it.

[Test method]
Perform the test.

[Check item]
Check the result on the LCD.

[Indication of judgment result]
In case of OK
Go on to the next test.
In case of NG

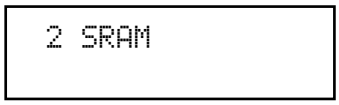


[Content of FAIL judgment]
Not available

[Completing the test]
OK: The test will proceed to the next one automatically.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

C-2. SRAM

[Initial indication]

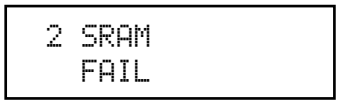


[Test content]
WRITE/READ the data "A5" to SRAM (IC3) and perform Verify Check.

[Test method]
Perform the test.

[Check item]
Check the result on the LCD.

[Indication of judgment result]
In case of OK
Go on to the next test.
In case of NG



[Content of FAIL judgment]
Not available

[Completing the test]
OK: The test will proceed to the next one automatically.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

C-03. BATTERY

[Initial indication]

```
3 BATTERY
```

[Test content]
Check that the battery is new.

[Test method]
Perform the test.

[Check item]
Check the result on the LCD.

[Indication of judgment result]
In case of OK
Go on to the next test.
In case of NG

```
3 BATTERY
  FAIL
```

[Content of FAIL judgment]
Not available

[Completing the test]
OK: The test will proceed to the next one automatically.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

C-4. MIDI OUT

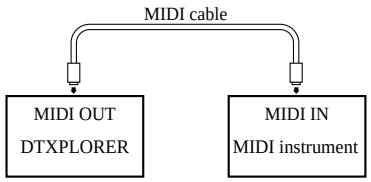
[Initial indication]

```
4 MIDI OUT
```

[Test content]
Output key on (90 3C 7F) from MIDI OUT. Output key off (90 3C 00) after 500 msec.

[Test method]
After connecting MIDI OUT and I/O box with the MIDI cable, perform the test.

[Check item]
Check that MIDI code is transmitted.



[Indication of judgment result]
Not available

[Content of FAIL judgment]
Not available

[Completing the test]
OK: In case of OK, press [SAVE/ENTER].
The test proceeds to the next one.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

C-05. LCD

[Initial indication]

```
5 LCD
```

[Test content]
Visually check the dots on the LCD.

[Test method]
Check that all dots flash on and off alternately.

[Check item]
Check the result on the LCD.

[Indication of judgment result]
Not available

[Content of FAIL judgment]
Not available

[Completing the test]
OK: In case of OK, press [SAVE/ENTER].
The test proceeds to the next one.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

C-6. LED

[Initial indication]

```
6 LED
```

[Test content]
Make sure that the LED lights up correctly.

[Test method]
Check that the LEDs light up in the following order.
BEAT (RED) → CLICK (GREEN) → Both light up.

[Check item]
Check that the LEDs light up in the above order.
Visually check that the LEDs are not too dark.

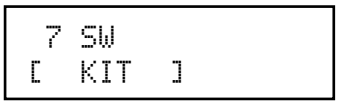
[Indication of judgment result]
Not available

[Content of FAIL judgment]
Not available

[Completing the test]
OK: In case of OK, press [SAVE/ENTER].
The test proceeds to the next one.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

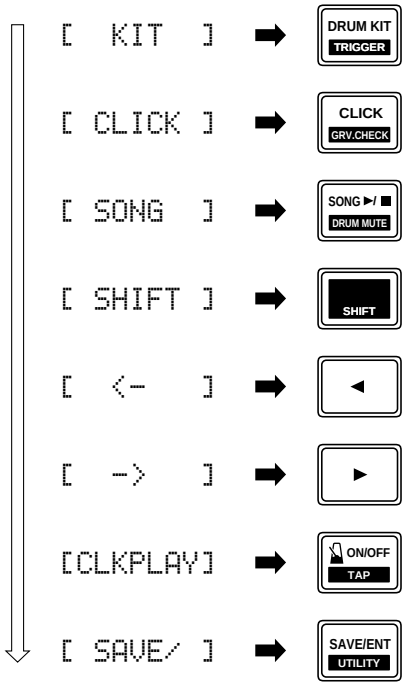
C-07. PANEL SWITCH

[Initial indication]



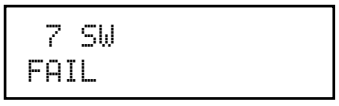
[Test content]
Make sure that the panel switches turn on and off correctly.

[Test method]
Turn on the panel switches from [KIT] to [SAVE/ENTER] according to the LCD indication as shown below.



[Check item]
Check the result on the LCD.

[Indication of judgment result]
In case of OK
Go on to the next test.
In case of NG

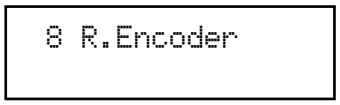


[Content of FAIL judgment]
Not available

[Completing the test]
OK: The test will proceed to the next one automatically.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

C-8. ROTARY ENCODER

[Initial indication]

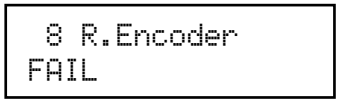


[Test content]
Make sure that ROTARY ENCODER operates correctly.

[Test method]
Rotate ROTARY ENCODER clockwise or anticlockwise according to the LCD indication.

[Check item]
Check the result on the LCD.

[Indication of judgment result]
In case of OK
Go on to the next test.
In case of NG

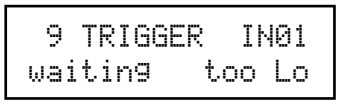


[Content of FAIL judgment]
Not available

[Completing the test]
OK: The test will proceed to the next one automatically.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

C-9. TRIGGER IN 1
C-10. TRIGGER IN 2
C-11. TRIGGER IN 3
C-12. TRIGGER IN 4
C-13. TRIGGER IN 5
C-14. TRIGGER IN 6
C-15. TRIGGER IN 7
C-16. TRIGGER IN 8
C-17. TRIGGER IN 9

[Initial indication]



[Test content]
Add looped signals from PHONES when inputting 1.SNARE — 8.KICK/9 and check that the inputted signals are entered into CPU with correct values. Also check that no signals are leaked to other inputs.
*Output wave from PHONES is a tone burst sine wave with a frequency of 4 kHz and +4 dBm (load of 10 k ohm).

[Test method]
Maximize VOLUME.
Put in the stero cable looped from PHONES in order starting with 1.SNARE.
In case of OK, proceed to the next INPUT and the following apperas.

So, put in 2.TOM1.
Repeat the sequence until it gets to 8.KICK/9.

[Check item]
Check the result on the LCD.

[Indication of judgment result]
In case of OK
Go on to the next test.
In case of NG

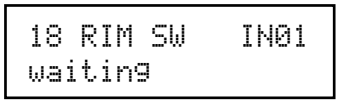
XXXXX refers to "too High", "XtalkIN2", "BAD CR", etc.

[Content of FAIL judgment]
The test no longer proceeds to the next one.

[Completing the test]
OK: The test will proceed to the next one automatically.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

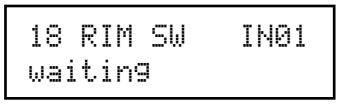
C-18. RIM SW IN 1
C-19. RIM SW L IN 1
C-20. RIM SW IN 5
C-21. RIM SW IN 6

[Initial indication]

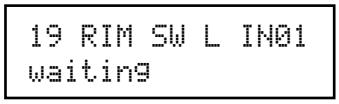


[Test content]
For input at three locations, i.e. 1.SNARE, 5.RIDE, and 6.CRASH, connect the RIM switch-fitted pad and check for correct operation. For IN1, also check 3 zone rim switch.

[Test method]
Connect the 3 zone RIM switch-fitted pad with each jack in order of INPUT 1, 5, and 6 and turn on the RIM switch.



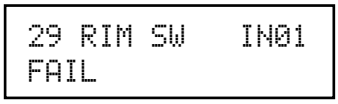
In case of OK



The above appears, so press the switch for the 3 zone side.
In case of OK, proceed to the next one and enter into 5.RIDE.
Likewise, check up to 6.CRASH.

[Check item]
Check the result on the LCD.

[Indication of judgment result]
In case of OK
Go on to the next test.
In case of NG

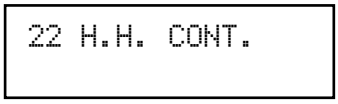


[Content of FAIL judgment]
The test no longer proceeds to the next one.

[Completing the test]
OK: The test will proceed to the next one automatically.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

C-22. HI HAT CONTROL

[Initial indication]



[Test content]
Check that the HI-HAT controller allows the control to operate correctly.

[Test method]
Insert the HI-HAT controller plug into the jack of HI-HAT control. Operate the sensor to the upper and the lower limit. (Order does not matter.)

[Check item]
Check the result on the LCD.

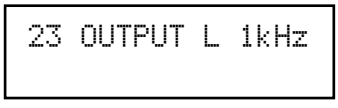
[Indication of judgment result]
In case of OK
Go on to the next test.
In case of NG
Not available

[Content of FAIL judgment]
Controller operation will not allow the next test to follow.

[Completing the test]
OK: The test will proceed to the next one automatically.

C-23. OUTPUT L 1 kHz

[Initial indication]



[Test content]
Check that correct signals are outputted from OUTPUT (L/MONO).

[Test method]
Insert the phone plugs into OUTPUT (for L/MONO, R) and measure the frequency, output waveform, and output level of each output.
Maximize VOLUME.
For AUX IN, make sure that the plug is not inserted or that the input voltage is -70 dBm or less.

[Check item]
OUTPUT (L/MONO): 1 kHz +/- 3 Hz, SIN wave, -5.5 +/-2 dBm (load of 10 k ohm), distortion factor of 0.5 % or less*1
OUTPUT (R): -65 dBm or less*2 (load of 10 k ohm)

In case the plug is pulled out of OUTPUT (R)
OUTPUT (L/MONO): 1 kHz +/- 3 Hz, SIN wave, -11.0 +/-2 dBm (load of 10 k ohm), distortion factor of 0.5 % or less*1

*1,*2: For inspection of the circuit board, the distortion factor must be 1.0 % or less and the sound -60 dBm or less.

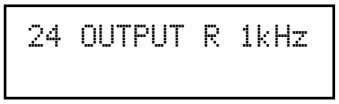
[Indication of judgment result]
Not available

[Content of FAIL judgment]
Not available

[Completing the test]
OK: In case of OK, press [SAVE/ENTER].
The test proceeds to the next one.
NG: For handling the FAIL judgment, see "B. CARRYING ON THE TEST".

C-24. OUTPUT R 1 kHz

[Initial indication]



[Test content]
Check that correct signals are outputted from OUTPUT (R).

[Test method]
Insert the standard plugs into OUTPUT (for L/MONO, R) and measure the frequency, output waveform, and output level of each output.
Maximize VOLUME.
For AUX IN, make sure that the plug is not inserted or that the input voltage is -70 dBm or less.

[Check item]
OUTPUT (R): 1 kHz +/- 3 Hz, SIN wave, -5.5 +/-2 dBm (load of 10 k ohm), distortion factor of 0.5 % or less*1
OUTPUT (L/MONO): -65 dBm or less*2 (load of 10 k ohm)

*1,*2: For inspection of the circuit board, the distortion factor must be 1.0 % or less and the sound -60 dBm or less.

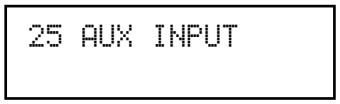
[Indication of judgment result]
Not available

[Content of FAIL judgment]
Not available

[Completing the test]
OK: In case of OK, press [SAVE/ENTER].
The test proceeds to the next one.
NG: For handling the FAIL judgment, see "B. CARRYING ON THE TEST".

C-25. AUX IN

[Initial indication]



[Test content]
Check that the signals coming in form AUX IN are bieng outputted as correct signals.

[Test method]
Input sine waves into AUX IN (L, R) and with the standard stereo phone plugs inserted into PHONES (L, R), measure the frequency and output wave level of PHONES.

[Check item]
Input a sine wave of -20 dBm and 1 kHz into AUX IN (L) (with AUX IN (R) grounded).
Maximize VOLUME.
PHONES (L): -7.0 +/-2 dBm (Load of 33 ohm), distortion factor of 0.5 % or less*1
PHONES (R): -65 dBm or less*2 (Load of 33 ohm)
Input a sine wave of -20 dBm and 1 kHz into AUX IN (R) (with AUX IN (L) grounded).
Maximize VOLUME.
PHONES (L): -65 dBm or less*2 (Load of 33 ohm)
PHONES (R): -7.0 +/-2 dBm (Load of 33 ohm), distortion factor of 0.5 % or less*1

*1,*2: For inspection of the circuit board, the distortion factor must be 1.0 % or less and the sound -60 dBm or less.

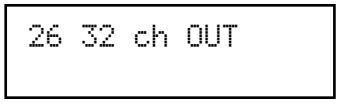
[Indication of judgment result]
Not available

[Content of FAIL judgment]
Not available

[Completing the test]
OK: In case of OK, press [SAVE/ENTER].
The test proceeds to the next one.
NG: For handling the FAIL judgment, see "B. CARRYING ON THE TEST".

C-26. 32 ch OUT

[Initial indication]



[Test content]
Check that 32 sounds are correctly produced with 1 to 16 ch producing sounds from OUTPUT (L/MONO) and 17 to 32 ch producing sounds from OUTPUT (R).

[Test method]
Pressing SAVE/ENTER causes the LCD to indicate the following, with a sound (approx. 0.3 sec.) and no sound (approx. 0.1 sec.) being repeated 16 times.
Maximize VOLUME.

```
26 32 ch OUT
Lch=XX Rch=XX
```

XX: No. of channel currently producing sounds.

[Check item]
Auditorily check that 32 sounds are produced correctly.

[Indication of judgment result]
Not available

[Content of FAIL judgment]
Not available

[Completing the test]
OK: In case of OK, press [SAVE/ENTER].
The test procceds to the next one.
NG: For handling the FAIL judgment,
see "B. CARRYING ON THE TEST".

C-27. FACTORY SET

[Initial indication]

```
27 FACTORY SET
```

[Test content]
Set to the factory settings.

[Test method]
Pressing [SAVE/ENTER] allows the factory setting to be set.

[Check item]
Not available

[Indication of judgment result]
Not available

[Content of FAIL judgment]
Not available

[Completing the test]
At the end of test mode, the following indication appears.

```
complete! reset
by power sw.
```

Turn on power again and perform the test for sound production in the following order in the normal mode of the main unit.

Others. Version Check

You can check the ROM version if you turn on power while holding down the [SHIFT] key.

Inspecting the Main Unit for Sound Production

1. When play mode starts after test mode is completed, maximaize VOLUME and check that the noise level meets the requirements below.

   OUTPUT (L/MOMO): -75 dBm or less (Load of 10 k ohm)
   OUTPUT (R): -75 dBm or less (Load of 10 k ohm)
   PHONES (L): -75 dBm or less (Load of 33 ohm)
   PHONES (R): -75 dBm or less (Load of 33 ohm)

2. With VOLUME maximized, turn on and off power several times and check that no clicks are produced.

3. Connect the speakers with OUTPUT L and R and turn on power. Press [SONG] two times and check that music is produced. Check that the tone is not distorted.

4. Turn VOLUME in order of "MIN" and "MAX" and check that the volume changes from zero to maximum.

5. Press the [SONG] button and check that the production of music stops.

6. For factory setting, hold down [←] and [→] at the same time and turn on power.

* Perform the factory setting as required.

■ ERROR MESSAGES

An Error Message will appear when incorrect settings or operation are detected, or abnormal operation occurs.
Check the Error Message below and make the appropriate corrections.

ERROR Data Initialized	This message appears just after the power is switched on and the device can not correctly read the data. The cause of the problem may be that the backup RAM data has been damaged or the backup battery power is low.
WARNING Battery Low	The internal memory backup battery power is too low. User data may be deleted.

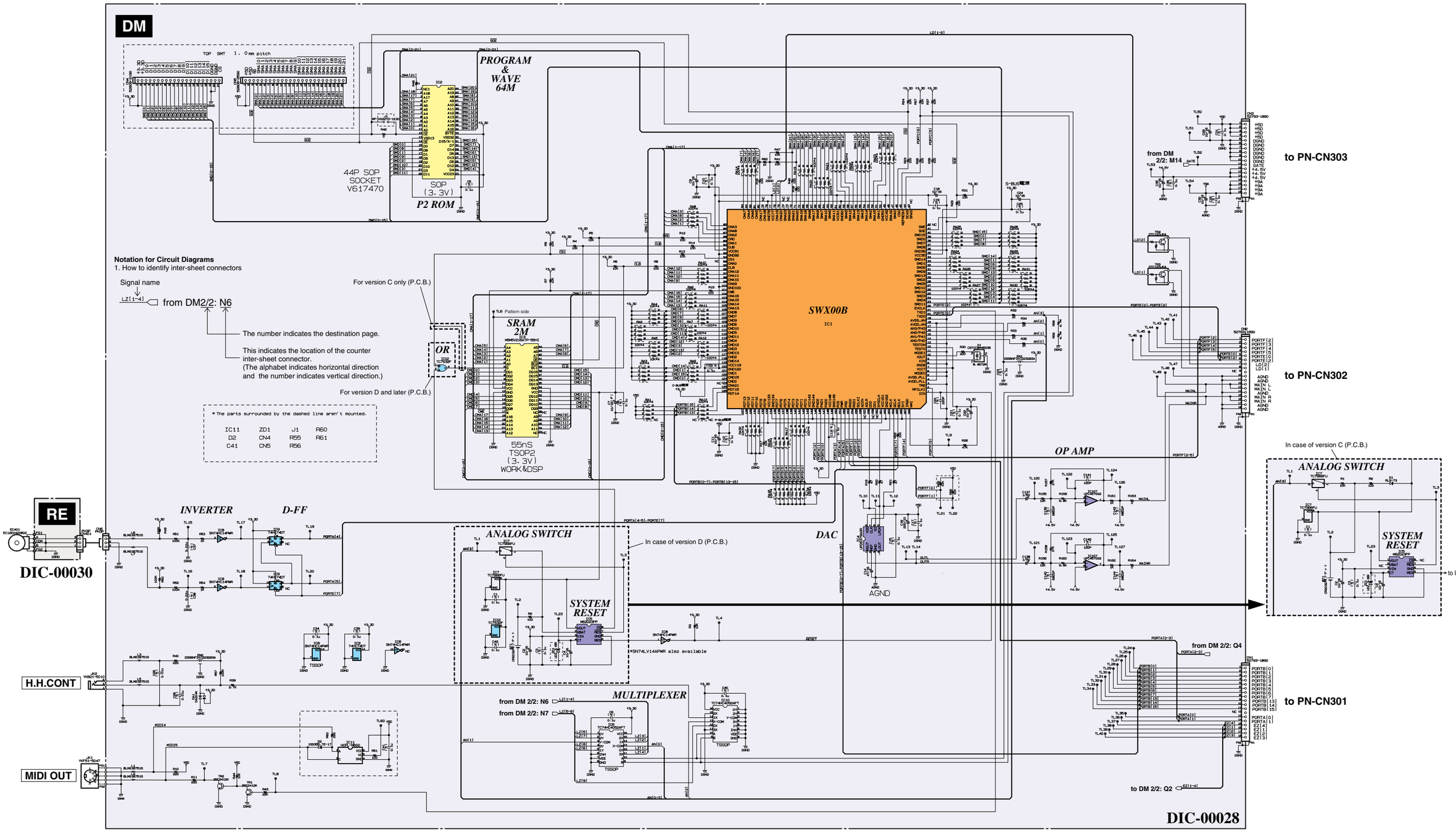
■ MIDI IMPLEMENTATION CHART

YAMAHA [Drum Trigger Module] Date:04-Jun-2004
Model DTXPLORER MIDI Implementation Chart Version : 1.0

Function ...	Transmitted	Remarks
Basic Default Channel Changed	1 - 16 1 - 16	memorized
Default Mode Messages Altered	x x **********	
Note Number : True voice	0 - 127 0 - 127	
Velocity Note ON Note OFF	o 9nH,v=1-127 x 9nH,v=0	
After Key's Touch Ch's	x x	
Pitch Bender	x	
0,4,7,10,32 1,6,11,64 71,72,73 74,84,91 100,101 Control Change	o x x x x	
Prog Change : True #	o 0 - 127 **********	
System Exclusive	o	
System : Song Pos. : Song Sel. Common : Tune	x x x	
System :Clock Real Time :Commands	o o	
Aux :All Sound Off :Reset All Cntrls :Local ON/OFF :All Notes OFF Mes- :Active Sense sages:Reset	x x x x o x	

Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO o : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO x : No

DM 1/2 CIRCUIT DIAGRAM (DTXPLORER)



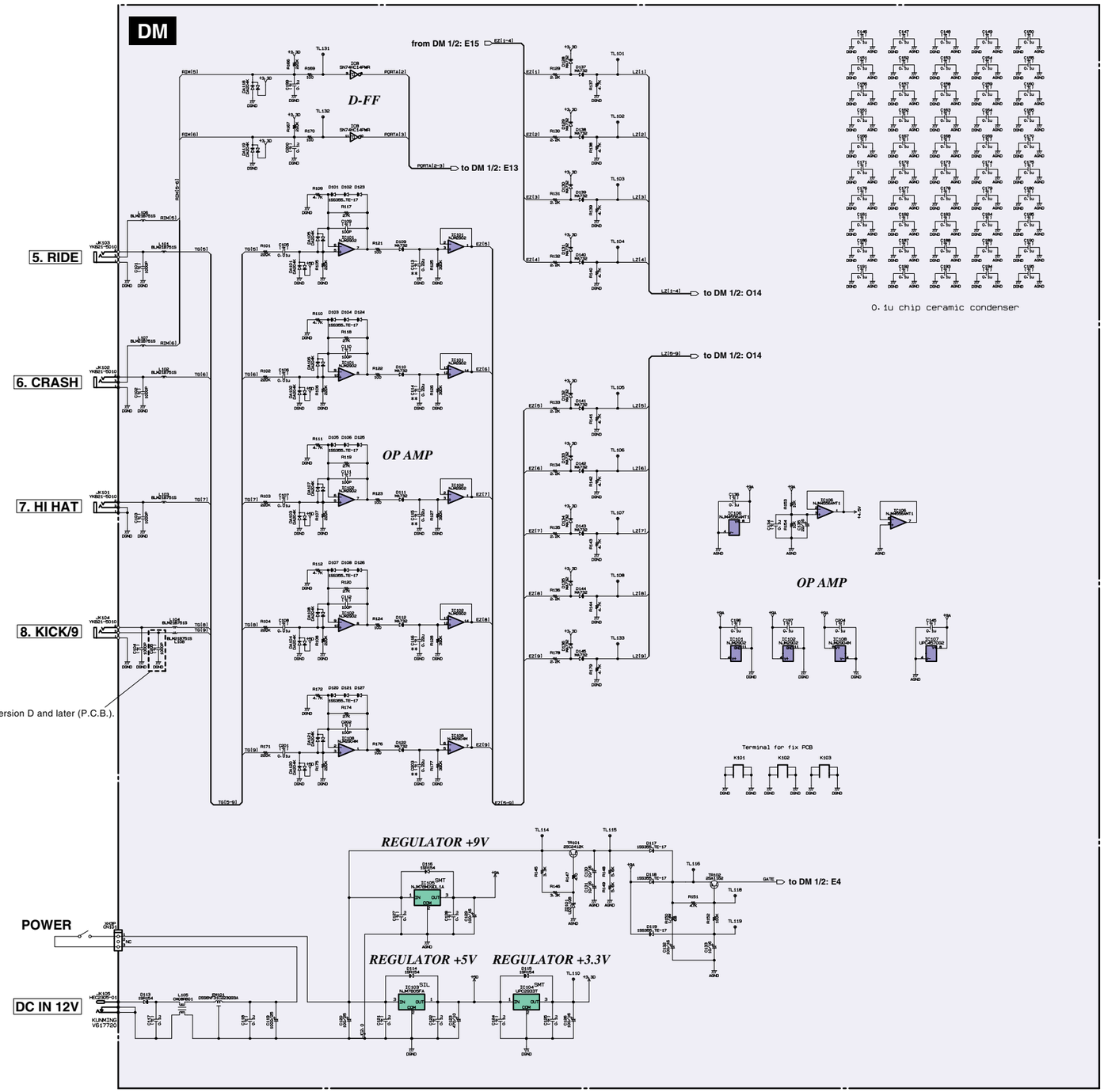
Parts inside of (∗), [ ] are not installed.

(セ): Ceramic Capacitor

(タ): Tantalum Capacitor

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

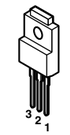
DM 2/2 CIRCUIT DIAGRAM (DTXPLORER)



(七): Ceramic Capacitor

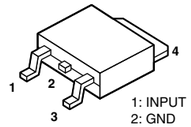
Note: See parts list for details of circuit board component parts.

- **NJM7805FA** (XJ607A00)
  REGULATOR +5V
  DM: IC103



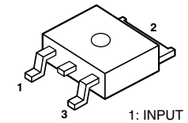
1: OUTPUT
2: COMMON
3: INPUT

- **UPC2933AT-E1**(X0638A00)
  REGULATOR +3.3V
  DM: IC104



1: INPUT
2: GND
3: OUTPUT
4: GND

- **NJM78M09DL1A** (XZ940A00)
  REGULATOR +9V
  DM: IC105



1: INPUT
2: GND
3: OUTPUT

Notation for Circuit Diagrams

1. How to identify inter-sheet connectors

Signal name

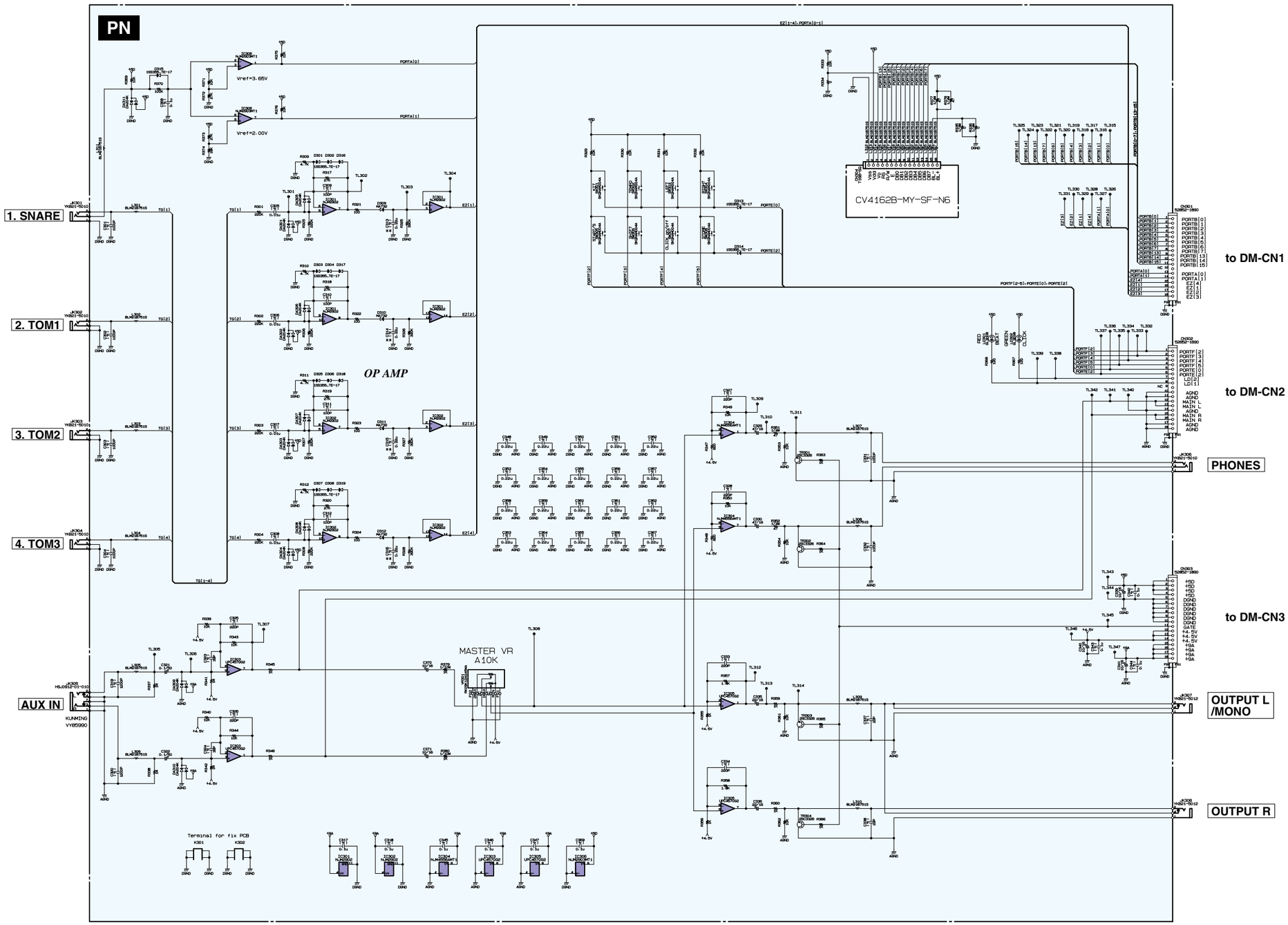
LZ[1-4] ⇨ to DM1/2: O14

The number indicates the destination page.

This indicates the location of the counter inter-sheet connector. (The alphabet indicates horizontal direction and the number indicates vertical direction.)

DM 2/2 CIRCUIT DIAGRAM (DTXPLORER)

PN CIRCUIT DIAGURAM (DTXPLORER)



(七): Ceramic Capacitor

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

DRUM TRIGGER MODULE

DTXPLORER

PARTS LIST

■ **CONTENTS**

Notes: DESTINATION ABBREVIATIONS

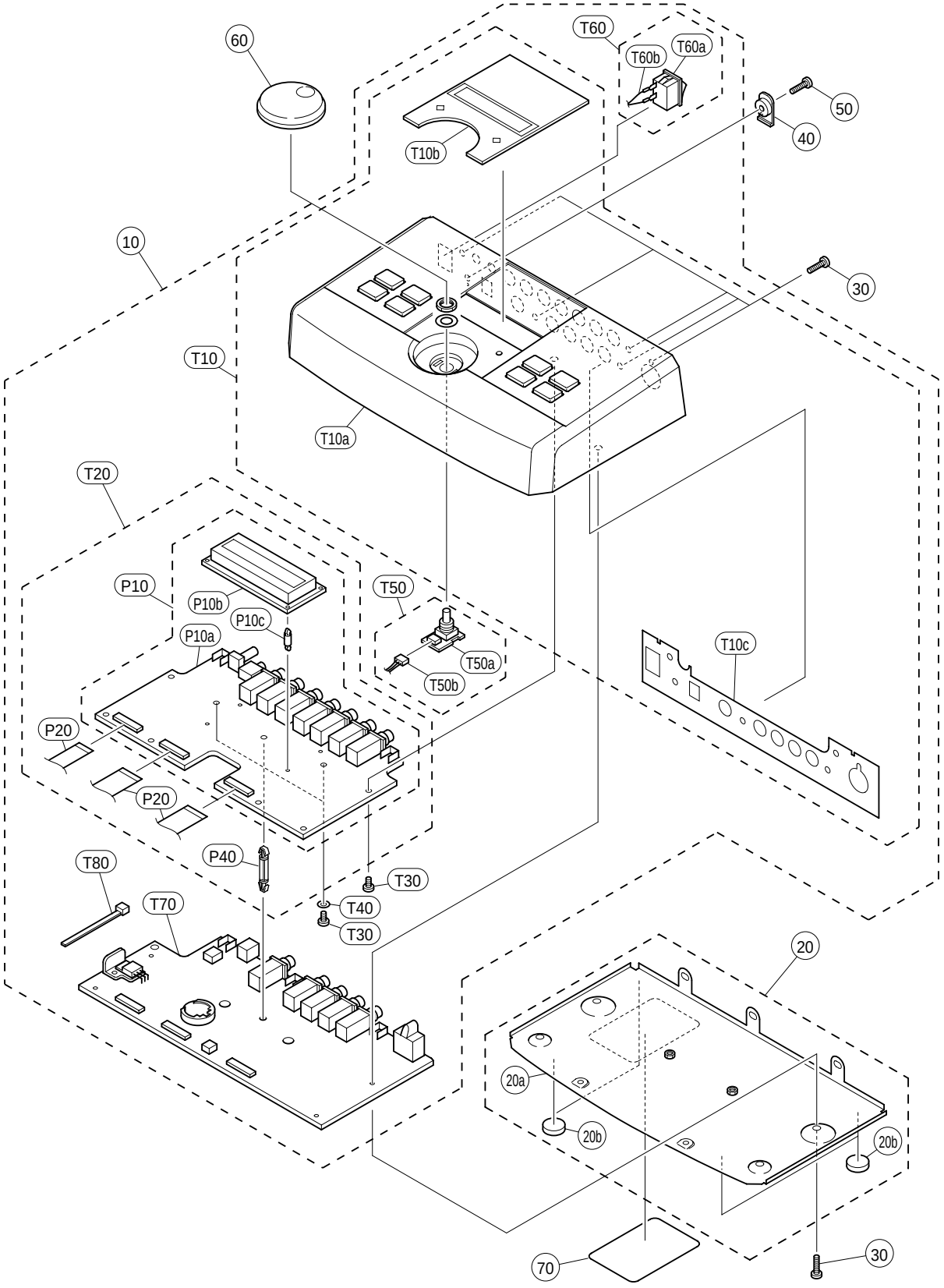
A: Australian model	O: Chinese model
B: British model	U: U.S.A. model
C: Canadian model	V: General export model (110V)
E: European model	W: General export model (220V)
H: North European model	X: General export model
I: Indonesian model	Y: Export model
J: Japanese model	

- The numbers in “QTY” show quantities for each unit.
- The parts with “--” in “Parts No.” are not available as spare parts.
- The mark “ } ” in the remarks column indicates that these parts are interchangeable.

■ **WARNING**

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

■ OVERALL ASSEMBLY



	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
			OVERALL ASSEMBLY		総組立	DTXPLORER		
		--	Overall Assembly		総組立DTXPL	(WD55950)		
*	10	**WD559400**	Top Unit		トップユニット			
*	20	**WD559300**	Bottom Case Assembly		BケースAss'y			
*	20a	**WD558600**	Bottom Case		ボトムケース印刷品			
*	20b	**WD554200**	Rubber foot		ラバーフット		4	
	30	**VQ074600**	Bind Head Tapping Screw-B	3.0X12 MFZN2BL	+バインドBタイト		11	01
*	40	**WD553500**	Cord Column		DCコードコラム			
	50	**VQ074600**	Bind Head Tapping Screw-B	3.0X12 MFZN2BL	+バインドBタイト			01
*	60	**WD553700**	Rotary Encoder Knob		エンコーダーノブ			
	70	--	Lavel		バーコードラベル	(WD56040)		
*		**WD559400**	Top Unit		トップユニット			
*	T10	**WD558800**	Top Case Assembly		トップケースAssy			
*	T10a	**WD558700**	Top Case S Assembly		TケースSAss'y	DRUM KIT, CLICK, SONG ►/■, SHIFT, ◄, ►, ON/OFF, SAVE/ENT		
*	T10b	**WD558900**	LCD Panel Assembly		LCDパネルAssy			
	T10c	--	Shield Sheet		シールドシート	(WD55430)		
	T20	--	Circuit Board Assembly	PN	PNシートAss'y	(WD55900)		
	T30	**EP600190**	Bind Head Tapping Screw-B	3.0X8 MFZN2BL	+バインドBタイト		8	01
	T40	**03765580**	Flat Washer	3.0X8X0.5 MFZN2BL	平座金みがき丸		2	01
*	T50	**WD559100**	Circuit Board Assembly	RE	REシートAss'y			
*	T50a	**WD411800**	Circuit Board	RE	RESIT	(WD41150)(X5652C0/D0)		
*	T50b	**WD584300**	Connector Assembly	RE	RE束線Ass'y			
*	T60	**WD559200**	Power Switch Assembly	L	電源SWAss'y	POWER STANDBY		
	T60a	**V7054700**	Power Switch	SDDJE1-A-2	パワーSW			02
*	T60b	**WD584200**	Connector Assembly	PSW	PSW束線Ass'y			
*	T70	**WD411600**	Circuit Board	DM	DMシート	(WD41150)(X5652C0/D0)		
*	T80	**WD749900**	Cord Holder		インシュロックタイ			
		--	Circuit Board Assembly	PN	PNシートAss'y	(WD55900)		
*	P10	**WD584500**	Sub-assembly	PN	PNサブAss'y			
	P10a	--	Circuit Board	PN	PNシート	(WD41170)		
	P10b	--	LCD Assembly		LCD Ass'y	(WD58440)		
	P10c	--	Spacer Support	MCD2-6	スペーサーサポート	(WD55390)	4	
*	P20	**MFA18060**	Connector Assembly	18P 60mm P=1.0	カード電線		3	
*	P40	**WD554000**	Spacer Support	KCA-15	スペーサーサポート			
	P50	--	Wire Black	AWG28 1007 TR64	ビニール線．クロ	(VA14770)		
*			ACCESSORIES		付属品			
⚠		**V8028600**	AC Adapter	PA-3C J	ACアダプタ	J		
⚠		**V8028700**	AC Adapter	PA-3C U	ACアダプタ	U,C		06
⚠		**V8028800**	AC Adapter	PA-3C E	ACアダプタ	H		08

*: New parts

RANK: Japan only

■ ELECTRICAL PARTS

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
			ELECTRICAL PARTS		電気部品	DTXPLORER		
*		**WD411600**	Circuit Board	DM	ＤＭシート	(WD41150)(X5652C0/D0)		
*		**WD584500**	Circuit Board	PN	ＰＮサブＡｓｓ’ｙ	(WD41150)(X5652C0/D0)		
*		**WD411800**	Circuit Board	RE	ＲＥシート	(WD41150)(X5652C0/D0)		
*		**WD411600**	Circuit Board	DM	ＤＭシート	(WD41150)(X5652C0/D0)		
*		**WD584500**	Circuit Board	PN	ＰＮサブＡｓｓ’ｙ	(WD41150)(X5652C0/D0)		
*		**WD411800**	Circuit Board	RE	ＲＥシート	(WD41150)(X5652C0/D0)		
		--	Heat Sink	DTXPL	ヒートシンク	(WD55340)		
		EP600190	Bind Head Tapping Screw-B	3.0X8 MFZN2BL	+バインドＢタイト		2	01
*		**WD554100**	Terminal Plate		ターミナル金具		5	
*		**WD760300**	LED Holder	LEDS-9.5	ＬＥＤホルダー		2	
	BT001	**VN103600**	Battery Holder	CR2032	バッテリーホルダー			03
	BT002	**VE338400**	Lithium Battery	CR2032HC2HY	リチュウム電池			03
	C0001	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0002	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0003	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0004	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0005	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0006	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
*	C0007	**VR728200**	Tantalum Cap.-TE (chip)	10 16V M	タンタル チップＴＥ			
	C0008	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0009	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0010	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0011	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0012	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0013	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0014	**UF037470**	Electrolytic Cap. (chip)	47 16V	チップケミコン			01
	C0015	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0016	**UF128220**	Electrolytic Cap. (chip)	220 10V UUR1A2	チップケミコン			01
	C0017	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0018	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0019	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0020	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J	チップセラ（ＳＬ）			01
	C0021	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0022	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0023	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0024	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0025	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0026	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K	チップセラ（Ｂ）			01
	C0028	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K	チップセラ（Ｂ）			01
	C0029	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0030	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0031	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	-0034	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0035	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0036	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0037	**UX064100**	Ceramic Capacitor (chip)	0.0100 50V K	チップセラ			01
	C0038	**UX064100**	Ceramic Capacitor (chip)	0.0100 50V K	チップセラ			01
	C0039	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0040	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0042	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）	For X5652D0 and later		
	C0101	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K	チップセラ（Ｂ）			01
	-0104	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K	チップセラ（Ｂ）			01
	C0105	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K	チップセラ（Ｂ）			01
	-0108	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K	チップセラ（Ｂ）			01
	C0109	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J	チップセラ（ＳＬ）			01
	-0112	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J	チップセラ（ＳＬ）			01
	C0113	**US135220**	Ceramic Capacitor-F (chip)	0.2200 16V Z	チップセラ（Ｆ）			01
	-0116	**US135220**	Ceramic Capacitor-F (chip)	0.2200 16V Z	チップセラ（Ｆ）			01
	C0117	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0118	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0119	**UR849100**	Electrolytic Cap.	1000 25.0V	ケミコン			01
	C0120	**UF148100**	Electrolytic Cap. (chip)	100 25V UUR1E1	チップケミコン			01
	C0121	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0122	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0123	**UF128470**	Electrolytic Cap. (chip)	470 10V UUR1A4	チップケミコン			02
	C0124	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0125	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0126	**UF038100**	Electrolytic Cap. (chip)	100 16V	チップケミコン			01
	C0127	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0128	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（Ｆ）			01
	C0129	**UF038100**	Electrolytic Cap. (chip)	100 16V	チップケミコン			01
	C0130	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0131	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01

*: New parts

RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	C0132	**UF038100**	Electrolytic Cap. (chip)	100 16V	チップケミコン			01
	C0133	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0134	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	C0135	**UF037220**	Electrolytic Cap. (chip)	22 16V	チップケミコン			01
	C0136	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	C0137	**UF066100**	Electrolytic Cap. (chip)	1 50V	チップケミコン			01
	C0138	**UF066100**	Electrolytic Cap. (chip)	1 50V	チップケミコン			01
	C0139	**US063680**	Ceramic Capacitor-B (chip)	6800P 50V K	チップセラ（B）			01
	C0140	**US063680**	Ceramic Capacitor-B (chip)	6800P 50V K	チップセラ（B）			01
	C0141	**US062120**	Ceramic Capacitor-SL(chip)	120P 50V J	チップセラ（SL）			01
	C0142	**US062120**	Ceramic Capacitor-SL(chip)	120P 50V J	チップセラ（SL）			01
	C0143	**US063680**	Ceramic Capacitor-B (chip)	6800P 50V K	チップセラ（B）			01
	C0144	**US063680**	Ceramic Capacitor-B (chip)	6800P 50V K	チップセラ（B）			01
	C0145	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	-0200	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	C0201	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K	チップセラ（B）			01
	C0202	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J	チップセラ（SL）			01
	C0203	**US135220**	Ceramic Capacitor-F (chip)	0.2200 16V Z	チップセラ（F）			01
	C0204	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	C0205	**US063100**	Ceramic Capacitot-B (chip)	1000P 50V K	チップセラ（B）	For X5652D0 and later		
	C0301	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K	チップセラ（B）			01
	-0304	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K	チップセラ（B）			01
	C0305	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K	チップセラ（B）			01
	-0308	**US064100**	Ceramic Capacitor-B (chip)	0.0100 50V K	チップセラ（B）			01
	C0309	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J	チップセラ（SL）			01
	-0312	**US062100**	Ceramic Capacitor-SL(chip)	100P 50V J	チップセラ（SL）			01
	C0313	**US135220**	Ceramic Capacitor-F (chip)	0.2200 16V Z	チップセラ（F）			01
	-0316	**US135220**	Ceramic Capacitor-F (chip)	0.2200 16V Z	チップセラ（F）			01
	C0317	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	C0318	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	C0319	**US063120**	Ceramic Capacitor-B (chip)	1200P 50V K	チップセラ（B）			01
	C0320	**US063120**	Ceramic Capacitor-B (chip)	1200P 50V K	チップセラ（B）			01
	C0321	**UF065100**	Electrolytic Cap. (chip)	0.1 50V	チップケミコン			01
	C0322	**UF065100**	Electrolytic Cap. (chip)	0.1 50V	チップケミコン			01
	C0323	**US061390**	Ceramic Capacitor-CH(chip)	39P 50V J	チップセラ（CH）			01
	C0324	**US061390**	Ceramic Capacitor-CH(chip)	39P 50V J	チップセラ（CH）			01
	C0325	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J	チップセラ（SL）			01
	-0328	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J	チップセラ（SL）			01
	C0329	**UF037470**	Electrolytic Cap. (chip)	47 16V	チップケミコン			01
	C0330	**UF037470**	Electrolytic Cap. (chip)	47 16V	チップケミコン			01
	C0331	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K	チップセラ（B）			01
	C0332	**US063100**	Ceramic Capacitor-B (chip)	1000P 50V K	チップセラ（B）			01
	C0333	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J	チップセラ（SL）			01
	C0334	**US062220**	Ceramic Capacitor-SL(chip)	220P 50V J	チップセラ（SL）			01
	C0335	**UF037220**	Electrolytic Cap. (chip)	22 16V	チップケミコン			01
	C0336	**UF037220**	Electrolytic Cap. (chip)	22 16V	チップケミコン			01
	C0337	**US061220**	Ceramic Capacitor-CH(chip)	22P 50V J	チップセラ（CH）			01
	C0338	**US061220**	Ceramic Capacitor-CH(chip)	22P 50V J	チップセラ（CH）			01
	C0339	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	-0341	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0342	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	-0347	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	C0348	**US135220**	Ceramic Capacitor-F (chip)	0.2200 16V Z	チップセラ（F）			
	-0367	**US135220**	Ceramic Capacitor-F (chip)	0.2200 25V Z	チップセラ（F）			
	C0368	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	C0369	**US145100**	Ceramic Capacitor-F (chip)	0.1000 25V Z	チップセラ（F）			01
	C0370	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	C0371	**UF037100**	Electrolytic Cap. (chip)	10 16V	チップケミコン			01
	CN001	**V3576000**	Connector , FFC	52793 18P SE	FFCコネクター			
	CN002	**V3576000**	Connector , FFC	52793 18P SE	FFCコネクター			
	CN003	**V3576000**	Connector , FFC	52793 18P SE	FFCコネクター			
	CN006	**VB858200**	Connector Base Post	PH- 3P SE	コネクタベースポスト			01
	CN101	**LB919030**	Base Post Connector	XH 3P SE	ベーススツキポスト			01
*	CN301	**WC547500**	Connector , FFC	52852 18P SE	FFCコネクター			
*	CN302	**WC547500**	Connector , FFC	52852 18P SE	FFCコネクター			
*	CN303	**WC547500**	Connector , FFC	52852 18P SE	FFCコネクター			
	CN401	**VB858200**	Connector Base Post	PH- 3P SE	コネクタベースポスト			01
	DA001	**V3749000**	Diode Array	DA204K 2A X2 T146	ダイオードアレイ			01
	DA101	**V3749000**	Diode Array	DA204K 2A X2 T146	ダイオードアレイ			01
	-108	**V3749000**	Diode Array	DA204K 2A X2 T146	ダイオードアレイ			01
	DA118	**V3749000**	Diode Array	DA204K 2A X2 T146	ダイオードアレイ			01
	-121	**V3749000**	Diode Array	DA204K 2A X2 T146	ダイオードアレイ			01
	DA301	**V3749000**	Diode Array	DA204K 2A X2 T146	ダイオードアレイ			01
	-311	**V3749000**	Diode Array	DA204K 2A X2 T146	ダイオードアレイ			01
	D0001	**VV925900**	Diode	RLS-73 TE-11	ダイオード	For X5652C0 only		01

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	REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
	D0101	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
	-0108	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
	D0109	**VQ721800**	Diode	MA732	ダイオード			01
	-0112	**VQ721800**	Diode	MA732	ダイオード			01
	D0113	**VT532500**	Diode	1SR154-400	ダイオード			01
	-0116	**VT532500**	Diode	1SR154-400	ダイオード			01
	D0117	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
	-0121	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
	D0122	**VQ721800**	Diode	MA732	ダイオード			01
	D0123	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
	-0127	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
	D0128	**VQ721800**	Diode	MA732	ダイオード			01
	-0145	**VQ721800**	Diode	MA732	ダイオード			01
	D0301	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
	-0308	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
	D0309	**VQ721800**	Diode	MA732	ダイオード			01
	-0312	**VQ721800**	Diode	MA732	ダイオード			01
	D0313	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
	-0319	**VT332900**	Diode	1SS355 TE-17	ダイオード			01
*	EC401	**WD536300**	Rotary Encoder	EC12E2420802	ロータリーエンコーダ			
	EM001	**VD542700**	LC Filter	DSS6NF31C223Q93A	ＬＣフィルターＥＭＩ			01
	EM002	**VD542700**	LC Filter	DSS6NF31C223Q93A	ＬＣフィルターＥＭＩ			01
	EM101	**VD542700**	LC Filter	DSS6NF31C223Q93A	ＬＣフィルターＥＭＩ			01
	IC001	**XU947C00**	IC	HG73C205AFD	ＩＣ	SWX00B		09
*	IC002	**V6174700**	Socket	IC179-44600-501	ＩＣソケット４４Ｐピン付			
	IC003	**X3226A00**	IC	M5M5V216ATP-55HI	ＩＣ	DRAM 2M		08
	IC004	**XR998A00**	IC	UPD6379AGR	ＩＣ	DAC		04
	IC005	**X2163A00**	IC	M62023FP	ＩＣ	SYSTEM RESET		03
	IC006	**XV869A00**	IC	TC74HC4052AFT	ＩＣ	MULTIPLEXER		02
*	IC007	**XR867A00**	IC	TC7S66FU	ＩＣ	ANALOG SWITCH		
*	IC008	**XZ288A00**	IC	SN74HC14PWR	ＩＣ	INVERTER		
	IC009	**X2171A00**	IC	74HC74DT	ＩＣ	D-FF		
	IC010	**XV869A00**	IC	TC74HC4052AFT	ＩＣ	MULTIPLEXER		02
*	IC011	**X5800A00**	IC	MR27V6402G	ＩＣ	MASK ROM 64M		
	IC012	**XM588A00**	IC	TC7S32F	ＩＣ	OR For X5652D0 and later		
	IC101	**X4983A00**	IC	NJM2902M(TE1)	ＩＣ	OP AMP		02
	IC102	**X4983A00**	IC	NJM2902M(TE1)	ＩＣ	OP AMP		02
	IC103	**XJ607A00**	IC	NJM7805FA	ＩＣ	REGULATOR +5V		02
	IC104	**X0638A00**	IC	UPC2933AT-E1	ＩＣ	REGULATOR +3.3V		03
	IC105	**XZ940A00**	IC	NJM78M09DL1A	ＩＣ	REGULATOR +9V		02
	IC106	**X5049A00**	IC	NJM4556AM-TE1	ＩＣ	OP AMP		02
	IC107	**XF291A00**	IC	UPC4570G2	ＩＣ	OP AMP		03
	IC108	**XV190A00**	IC	NJM2904M	ＩＣ	OP AMP		01
	IC301	**X4983A00**	IC	NJM2902M(TE1)	ＩＣ	OP AMP		02
	IC302	**X4983A00**	IC	NJM2902M(TE1)	ＩＣ	OP AMP		02
	IC303	**XF291A00**	IC	UPC4570G2	ＩＣ	OP AMP		03
	IC304	**X5049A00**	IC	NJM4556AM-TE1	ＩＣ	OP AMP		02
	IC305	**XF291A00**	IC	UPC4570G2	ＩＣ	OP AMP		03
*	IC306	**X5814A00**	IC	NJM2903M(TE1)	ＩＣ	OP AMP		
	JK001	**VK018800**	DIN Connector	5P YKF51-50	ＤＩＮコネクタ１連	MIDI OUT		02
	JK002	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	HH. CONT		01
	JK101	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	7. HI HAT		01
	JK102	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	6. CRASH		01
	JK103	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	5. RIDE		01
	JK104	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	8. KICK/9		01
	JK105	**VJ207400**	DC-IN Jack	16V DC 3A HEC2305	ＤＣジャック	DC IN 12V		01
	JK301	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	1 SNARE		01
	JK302	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	2 TOM1		01
	JK303	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	3 TOM2		01
	JK304	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	4 TOM3		01
	JK305	**VM552100**	Phone Jack	ST HSJ0912-01-01	ホーンコネクタ	AUX IN		02
	JK306	**VE382300**	Phone Jack	YKB21-5010	ホーンコネクタ	PHONES		01
	JK307	**VB312600**	Phone Jack	YKB21-5012	ホーンコネクタ（黒）	OUTPUT L/MONO		02
	JK308	**VB312600**	Phone Jack	YKB21-5012	ホーンコネクタ（黒）	OUTPUT R		02
	LD301	**VN433900**	LED Red	GL3HD8	ＬＥＤ			01
	LD302	**VR043700**	LED Light-green	GL3EG8	ＬＥＤ			01
	L0001	**VS740100**	Chip Inductance	BLM21B751S 2125	チップインダクタ			03
	-0007	**VS740100**	Chip Inductance	BLM21B751S 2125	チップインダクタ			03
	L0101	**VS740100**	Chip Inductance	BLM21B751S 2125	チップインダクタ			03
	-0104	**VS740100**	Chip Inductance	BLM21B751S 2125	チップインダクタ			03
	L0105	**VQ884000**	Line Filter	CM08RB01	ラインフィルター			03
	L0106	**VS740100**	Chip Inductance	BLM21B751S 2125	チップインダクタ			03
	-0108	**VS740100**	Chip Inductance	BLM21B751S 2125	チップインダクタ			03
	L0301	**VS740100**	Chip Inductance	BLM21B751S 2125	チップインダクタ			03
	-0327	**VS740100**	Chip Inductance	BLM21B751S 2125	チップインダクタ			03

*: New parts

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REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
RA001	**RE047100**	Resistor Array	10KX4	抵抗アレイ			01
-005	**RE047100**	Resistor Array	10KX4	抵抗アレイ			01
RA006	**RE045100**	Resistor Array	100X4	抵抗アレイ			01
-015	**RE045100**	Resistor Array	100X4	抵抗アレイ			01
RA016	**RE047100**	Resistor Array	10KX4	抵抗アレイ			01
RA017	**RE045100**	Resistor Array	100X4	抵抗アレイ			01
RA018	**RE047100**	Resistor Array	10KX4	抵抗アレイ			01
RA019	**RE045100**	Resistor Array	100X4	抵抗アレイ			01
-027	**RE045100**	Resistor Array	100X4	抵抗アレイ			01
RA028	**RE047100**	Resistor Array	10KX4	抵抗アレイ			01
-032	**RE047100**	Resistor Array	10KX4	抵抗アレイ			01
R0001	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗	For X5652C0 only		01
R0002	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0003	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
-0007	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0008	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0009	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0010	**RD355220**	Carbon Resistor (chip)	220.0 63M J	チップ抵抗			01
R0011	**RD355220**	Carbon Resistor (chip)	220.0 63M J	チップ抵抗			01
R0012	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
-0016	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0017	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0018	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0019	**RD354470**	Carbon Resistor (chip)	47.0 63M J	チップ抵抗			01
-0021	**RD354470**	Carbon Resistor (chip)	47.0 63M J	チップ抵抗			01
R0022	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0023	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0024	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0026	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0027	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0028	**RD357470**	Carbon Resistor (chip)	47.0K 63M J	チップ抵抗			01
R0029	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0030	**RD355220**	Carbon Resistor (chip)	220.0 63M J	チップ抵抗			01
R0031	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0032	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
-0035	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0036	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0037	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0039	**RD356270**	Carbon Resistor (chip)	2.7K 63M J	チップ抵抗			01
R0040	**RD355220**	Carbon Resistor (chip)	220.0 63M J	チップ抵抗			01
R0041	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0042	**RD350000**	Carbon Resistor (chip)	0 63M J	チップ抵抗			01
R0043	**RD357220**	Carbon Resistor (chip)	22.0K 63M J	チップ抵抗			01
R0044	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0046	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0047	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0048	**RD350000**	Carbon Resistor (chip)	0 63M J	チップ抵抗			01
R0049	**RD358100**	Carbon Resistor (chip)	100.0K 63M J	チップ抵抗			01
-0052	**RD358100**	Carbon Resistor (chip)	100.0K 63M J	チップ抵抗			01
R0053	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
-0056	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0057	**RD358100**	Carbon Resistor (chip)	100.0K 63M J	チップ抵抗			01
R0058	**RD359470**	Carbon Resistor (chip)	4.7M 63M J	チップ抵抗			01
R0059	**RD359470**	Carbon Resistor (chip)	4.7M 63M J	チップ抵抗			01
R0062	**V9732900**	Carbon Resistor (chip)	1.0K 1/8 J	チップ抵抗	For X5652C0 only		01
R0101	**RD358220**	Carbon Resistor (chip)	220.0K 63M J	チップ抵抗			01
-0108	**RD358220**	Carbon Resistor (chip)	220.0K 63M J	チップ抵抗			01
R0109	**RD356470**	Carbon Resistor (chip)	4.7K 63M J	チップ抵抗			01
-0112	**RD356470**	Carbon Resistor (chip)	4.7K 63M J	チップ抵抗			01
R0117	**RD357270**	Carbon Resistor (chip)	27.0K 63M J	チップ抵抗			01
-0120	**RD357270**	Carbon Resistor (chip)	27.0K 63M J	チップ抵抗			01
R0121	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
-0124	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0125	**RD358390**	Carbon Resistor (chip)	390.0K 63M J	チップ抵抗			01
-0128	**RD358390**	Carbon Resistor (chip)	390.0K 63M J	チップ抵抗			01
R0129	**RD356220**	Carbon Resistor (chip)	2.2K 63M J	チップ抵抗			01
-0136	**RD356220**	Carbon Resistor (chip)	2.2K 63M J	チップ抵抗			01
R0137	**RD356470**	Carbon Resistor (chip)	4.7K 63M J	チップ抵抗			01
-0144	**RD356470**	Carbon Resistor (chip)	4.7K 63M J	チップ抵抗			01
R0145	**RD356330**	Carbon Resistor (chip)	3.3K 63M J	チップ抵抗			01
R0146	**RD356330**	Carbon Resistor (chip)	3.3K 63M J	チップ抵抗			01
R0147	**RD355470**	Carbon Resistor (chip)	470.0 63M J	チップ抵抗			01
R0148	**RD356560**	Carbon Resistor (chip)	5.6K 63M J	チップ抵抗			01
R0149	**RD356560**	Carbon Resistor (chip)	5.6K 63M J	チップ抵抗			01
R0150	**RD154680**	Carbon Resistor (chip)	68.0 1/4 J	チップ抵抗			01

∗: New parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R0151	**RD357470**	Carbon Resistor (chip)	47.0K 63M J	チップ抵抗			01
R0152	**RD358100**	Carbon Resistor (chip)	100.0K 63M J	チップ抵抗			01
R0153	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0154	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0155	**RD357120**	Carbon Resistor (chip)	12.0K 63M J	チップ抵抗			01
R0156	**RD357120**	Carbon Resistor (chip)	12.0K 63M J	チップ抵抗			01
R0157	**RD357270**	Carbon Resistor (chip)	27.0K 63M J	チップ抵抗			01
R0158	**RD357270**	Carbon Resistor (chip)	27.0K 63M J	チップ抵抗			01
R0159	**RD356680**	Carbon Resistor (chip)	6.8K 63M J	チップ抵抗			01
R0160	**RD356680**	Carbon Resistor (chip)	6.8K 63M J	チップ抵抗			01
R0161	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0162	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0163	**RD350000**	Carbon Resistor (chip)	0 63M J	チップ抵抗			01
R0164	**RD350000**	Carbon Resistor (chip)	0 63M J	チップ抵抗			01
R0166	**RD358220**	Carbon Resistor (chip)	220.0K 63M J	チップ抵抗			01
R0167	**RD358220**	Carbon Resistor (chip)	220.0K 63M J	チップ抵抗			01
R0169	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0170	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0171	**RD358220**	Carbon Resistor (chip)	220.0K 63M J	チップ抵抗			01
R0172	**RD356470**	Carbon Resistor (chip)	4.7K 63M J	チップ抵抗			01
R0174	**RD357270**	Carbon Resistor (chip)	27.0K 63M J	チップ抵抗			01
R0175	**RD358220**	Carbon Resistor (chip)	220.0K 63M J	チップ抵抗			01
R0176	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0177	**RD358390**	Carbon Resistor (chip)	390.0K 63M J	チップ抵抗			01
R0178	**RD356220**	Carbon Resistor (chip)	2.2K 63M J	チップ抵抗			01
R0179	**RD356470**	Carbon Resistor (chip)	4.7K 63M J	チップ抵抗			01
R0301	**RD358220**	Carbon Resistor (chip)	220.0K 63M J	チップ抵抗			01
-0308	**RD358220**	Carbon Resistor (chip)	220.0K 63M J	チップ抵抗			01
R0309	**RD356470**	Carbon Resistor (chip)	4.7K 63M J	チップ抵抗			01
-0312	**RD356470**	Carbon Resistor (chip)	4.7K 63M J	チップ抵抗			01
R0317	**RD357270**	Carbon Resistor (chip)	27.0K 63M J	チップ抵抗			01
-0320	**RD357270**	Carbon Resistor (chip)	27.0K 63M J	チップ抵抗			01
R0321	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
-0324	**RD355100**	Carbon Resistor (chip)	100.0 63M J	チップ抵抗			01
R0325	**RD358390**	Carbon Resistor (chip)	390.0K 63M J	チップ抵抗			01
-0328	**RD358390**	Carbon Resistor (chip)	390.0K 63M J	チップ抵抗			01
R0329	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
-0333	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0334	**RD350000**	Carbon Resistor (chip)	0 63M J	チップ抵抗			01
R0335	**RD150000**	Carbon Resistor (chip)	0.0 1/4 J TP	チップ抵抗			01
R0336	**RD150000**	Carbon Resistor (chip)	0.0 1/4 J TP	チップ抵抗			01
R0336	**RD155100**	Carbon Resistor (chip)	100.0 1/4 J	チップ抵抗			01
R0337	**RD359100**	Carbon Resistor (chip)	1.0M 63M J	チップ抵抗			01
R0338	**RD359100**	Carbon Resistor (chip)	1.0M 63M J	チップ抵抗			01
R0339	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0340	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0341	**RD359100**	Carbon Resistor (chip)	1.0M 63M J	チップ抵抗			01
R0342	**RD359100**	Carbon Resistor (chip)	1.0M 63M J	チップ抵抗			01
R0343	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0344	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0345	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0346	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0347	**RD355820**	Carbon Resistor (chip)	820.0 63M J	チップ抵抗			01
R0348	**RD355820**	Carbon Resistor (chip)	820.0 63M J	チップ抵抗			01
R0349	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0350	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0351	**RD154470**	Carbon Resistor (chip)	47.0 1/4 J	チップ抵抗			01
R0352	**RD154470**	Carbon Resistor (chip)	47.0 1/4 J	チップ抵抗			01
R0353	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0354	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0355	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0356	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0357	**RD356180**	Carbon Resistor (chip)	1.8K 63M J	チップ抵抗			01
R0358	**RD356180**	Carbon Resistor (chip)	1.8K 63M J	チップ抵抗			01
R0359	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0360	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0361	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0362	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0363	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
-0366	**RD356100**	Carbon Resistor (chip)	1.0K 63M J	チップ抵抗			01
R0367	**RD355120**	Carbon Resistor (chip)	120.0 63M J	チップ抵抗			01
R0368	**RD355120**	Carbon Resistor (chip)	120.0 63M J	チップ抵抗			01
R0369	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0370	**RD358100**	Carbon Resistor (chip)	100.0K 63M J	チップ抵抗			01
R0371	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01

∗: New parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION		部品名	REMARKS	QTY	RANK
R0372	**RD357270**	Carbon Resistor (chip)	27.0K 63M J	チップ抵抗			01
R0373	**RD357270**	Carbon Resistor (chip)	27.0K 63M J	チップ抵抗			01
R0374	**RD357180**	Carbon Resistor (chip)	18.0K 63M J	チップ抵抗			01
R0375	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0376	**RD357100**	Carbon Resistor (chip)	10.0K 63M J	チップ抵抗			01
R0377	**RD154470**	Carbon Resistor (chip)	47.0 1/4 J	チップ抵抗			01
R0378	**RD154470**	Carbon Resistor (chip)	47.0 1/4 J	チップ抵抗			
R0379	**RD256100**	Carbon Resistor (chip)	1.0K 0.1 J	チップ抵抗			
R0380	**RD256100**	Carbon Resistor (chip)	1.0K 0.1 J	チップ抵抗			
SW301	**VZ085500**	Tact Switch	SKQNAM004A	タクトSW			
-308	**VZ085500**	Tact Switch	SKQNAM004A	タクトSW			
TR001	**VV556400**	Transistor	2SC2412K Q,R,S	トランジスタ			
TR002	**VV556400**	Transistor	2SC2412K Q,R,S	トランジスタ			
TR003	**VY677600**	Digital Transistor	DTC123JKA TP	デジタルトランジスタ			
TR004	**VY677600**	Digital Transistor	DTC123JKA TP	デジタルトランジスタ			
TR101	**VV556400**	Transistor	2SC2412K Q,R,S	トランジスタ			
TR102	**VJ927200**	Transistor	2SA1162 O,Y	トランジスタ			
TR301	**VD303700**	Transistor	2SC3326 A,B TE85R	トランジスタ			
-304	**VD303700**	Transistor	2SC3326 A,B TE85R	トランジスタ			
VR301	**VS053600**	Rotary Variable Resistor	A 10.0K RK09K12A	二連ロータリーVR	VOL		03
X0001	**V9366600**	Ceramic Resonator	8.4672M CSTCC8M46	セラミック振動子			
ZD101	**VU172600**	Zener Diode	UDZS10B TE-17 10V	ツェナーダイオード			
*	**WD559200**	Power Switch Assembly	L	電源SW Ass'y	POWER STNDBY		
	V7054700	Power Switch	SDDJE1-A-2	パワーSW			02
	WD584200	Connector Assembly	PSW	PSW束線Ass'y			

*: New parts

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