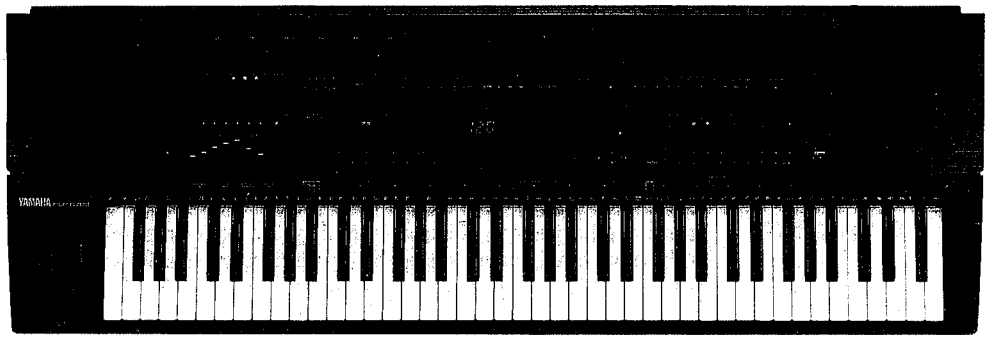
PORTATONE

PSR-6700

SERVICE MANUAL



■ **CONTENTS**

SPECIFICATIONS 2
PANEL LAYOUT 4
CIRCUIT BOARD LAYOUT 6
BLOCK DIAGRAM 8
DISASSEMBLY PROCEDURE 10
IC BLOCK DIAGRAM 19
LSI PIN DESCRIPTION 21
CIRCUIT BOARDS 26
VOICE LIST 42
STYLE LIST 42
DRUM & PERCUSSION INSTRUMENT KEY ASSIGNMENTS 42
PERCUSSION PADS 43
MIDI DATA FORMAT 43
MIDI IMPLEMENTATION CHART 47
TEST PROGRAM 48
PARTS LIST

SK ~~001401~~ 1441

YAMAHA CORP.
HAMAMATSU, JAPAN
2.664K-1411 ⊖ Printed in Japan '91.07

PSR-6700

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, 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 buss in the unit (heavy gauge black wires connect to this buss).

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.

■ SPECIFICATIONS

KEYBOARD :
76 Keys (E0~G6) with Touch Response

POLYPHONY :
40 notes max.

VOICES :
Preset 100 voices
Custom 100 voices (Programmable)

ACCOMPANIMENT :
INTERACTIVE ACCOMPANIMENT :
Preset 36 styles
Disk 8 styles
CUSTOM ACCOMPANIMENT :
6 styles (Programmable)

EFFECT :
Reverb based effect 25 types, other effect 8 types, Harmony 16 types

PERCUSSION :
Keyboard ; 74 (Percussion + Sound Effect)
Pad ; 8 (CUSTOM SET 1~3)

AUTO BASS CHORD :
Single Finger, Fingered Chord, Manual Bass

SEQUENCER :
8 Tracks, 1 Song

REGISTRATION :
VOICE REGISTRATION : 10
PANEL REGISTRATION : 16

DISPLAY :
LED, LCD

DISK DRIVE :
3.5" FDD, Compatibility with DOC (Yamaha Disk Orchestra Collection)

DEMONSTRATION :
2 Songs + Disk 5 Songs

CONNECTORS :
MIDI (IN, OUT, THRU), FOOT SW., SUSTAIN, EXP. PEDAL, HEADPHONES, OPTIONAL IN (L, R), AUX. OUT (L/L+R, R)

AMPLIFIER :
10W X 2

SPEAKERS :
16cm (6-5/16") X 2, 5cm (1-15/16") X 2

DIMENSIONS (W X D X H) :
1210mm (47-5/8") X 405mm (15-15/16") X 131.8mm (5-3/16")

WEIGHT :
24 kg (52.9lbs.)

SUPPLIED ACCESSORIES :
Music Stand, FC-5 Foot Switch, Sample Data Disk

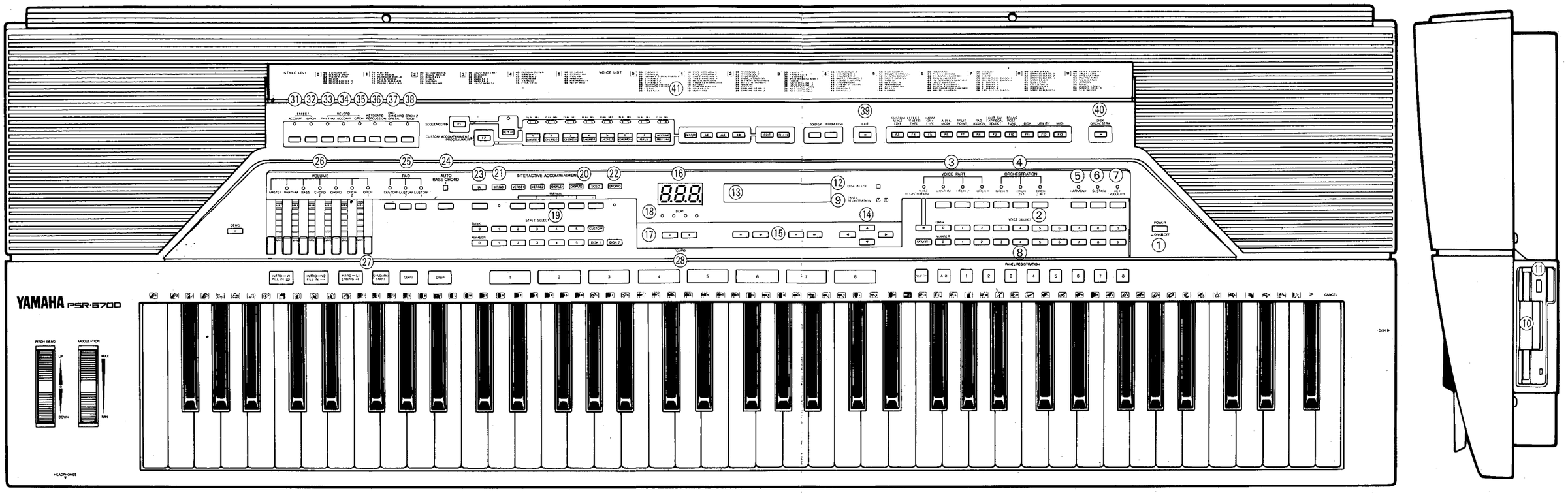
OPTIONAL ACCESSORIES :
- HPE-5/HPE-3 Headphones
- L-5 Stand
- EP-1 Expression Pedal

OUTPUT LEVEL
+2±3dBm at HEADPHONES connector
(When C_3, D_3, E_3, F_3, G_3, A_3 and B_3 keys are ON. Voice = FLUTE, key velocity = off)

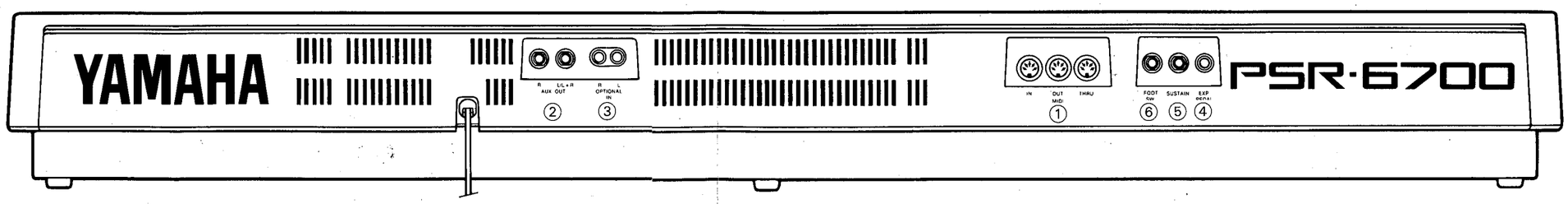
PSR-6700

■PANEL LAYOUT（パネルレイアウト）

●Front Panel（フロントパネル）



●Rear Panel（リアパネル）



PSR-6700

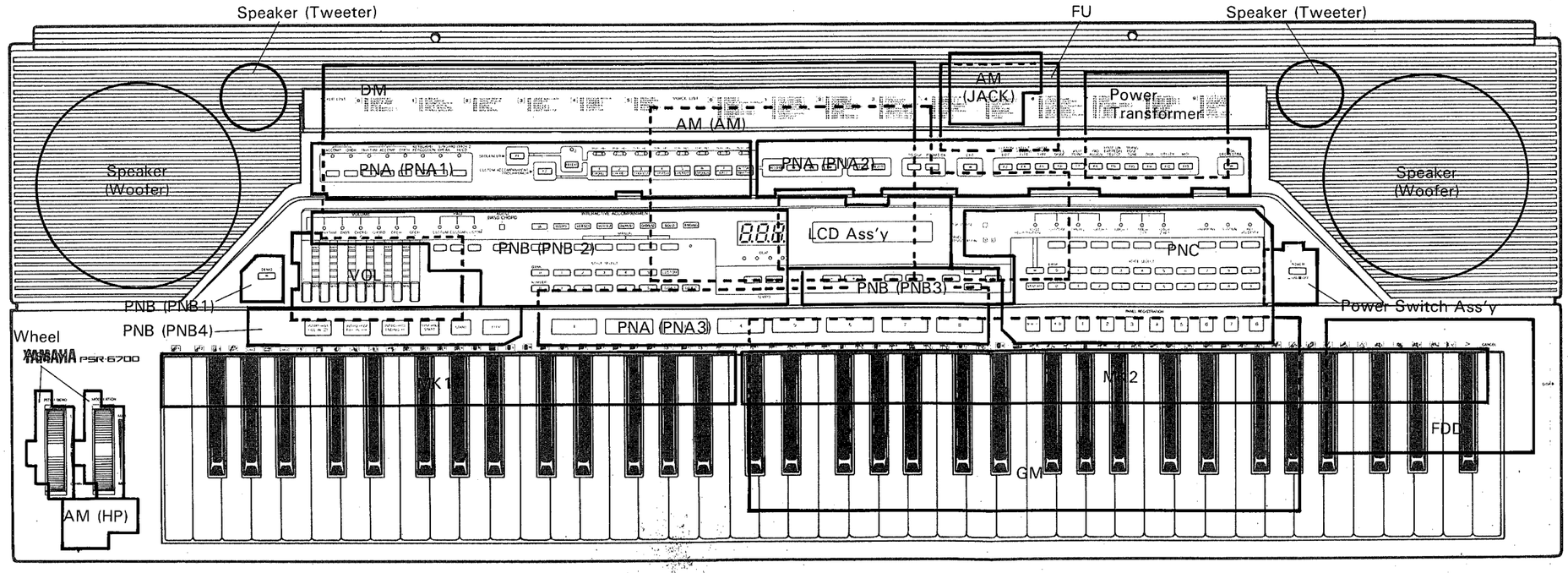
● Front Panel (フロントパネル)

① POWER Button
② VOICE SELECT Buttons
③ VOICE PART Buttons and Indicators
VOICE REGISTRATION,
CUSTOM, ORCH. 1, ORCH. 2
④ ORCHESTRATION Buttons and Indicators
ORCH. 1, ORCH. 2+1, ORCH. 2 ◀▶ 1
⑤ HARMONY Button and Indicator
⑥ SUSTAIN Button and Indicator
⑦ KEY VELOCITY Button and Indicator
⑧ PANEL REGISTRATION Buttons
⑨ PANEL REGISTRATION Indicators
⑩ Disk Drive
⑪ Disk Eject Button
⑫ DISK IN USE Indicator
⑬ Liquid Crystal Display (LCD) Panel
⑭ Cursor Buttons
⑮ Left and Right [−] and [+] Buttons
⑯ Tempo Display
⑰ TEMPO [−] and [+] Buttons
⑱ BEAT Display
⑲ STYLE SELECT Buttons
⑳ MANUAL Style Variation Buttons and Indicators
VERSE 1, VERSE 2, CHORUS 1,
CHORUS 2, SOLO
㉑ INTRO. Indicator
㉒ ENDING Indicator
㉓ IA Button and Indicator
㉔ AUTO BASS CHORD Button and Indicator
㉕ PAD Buttons and Indicators
CUSTOM 1, CUSTOM 2, CUSTOM 3
㉖ VOLUME Controls and Indicators
MASTER, RHYTHM, BASS,
CHORD 1, CHORD 2, ORCH. 1, ORCH. 2
㉗ Accompaniment Control Buttons
INTRO. → V1/FILL IN ⇄,
INTRO. → V2/FILL IN ↔,
INTRO. → C1/ENDING-rit.,
SYNCHRO START, START, STOP
㉘ Percussion Pads
㉙ PITCH BEND Wheel
㉚ MODULATION Wheel
㉛ EFFECT [ACCOMP.] Button
㉜ EFFECT [ORCH.] Button
㉝ REVERB [RHYTHM] Button
㉞ REVERB [ACCOMP.] Button
㉟ REVERB [ORCH.] Button
㊱ [KEYBOARD PERCUSSION] Button
㊲ [PAD SYNCHRO BREAK] Button
㊳ [ORCH. 2 HOLD] Button
㊴ [EXIT] Button
㊵ [DISK ORCHESTRA] Button
㊶ Control Cover
㊷ The HEADPHONES Jack

● Rear Panel (リアパネル)

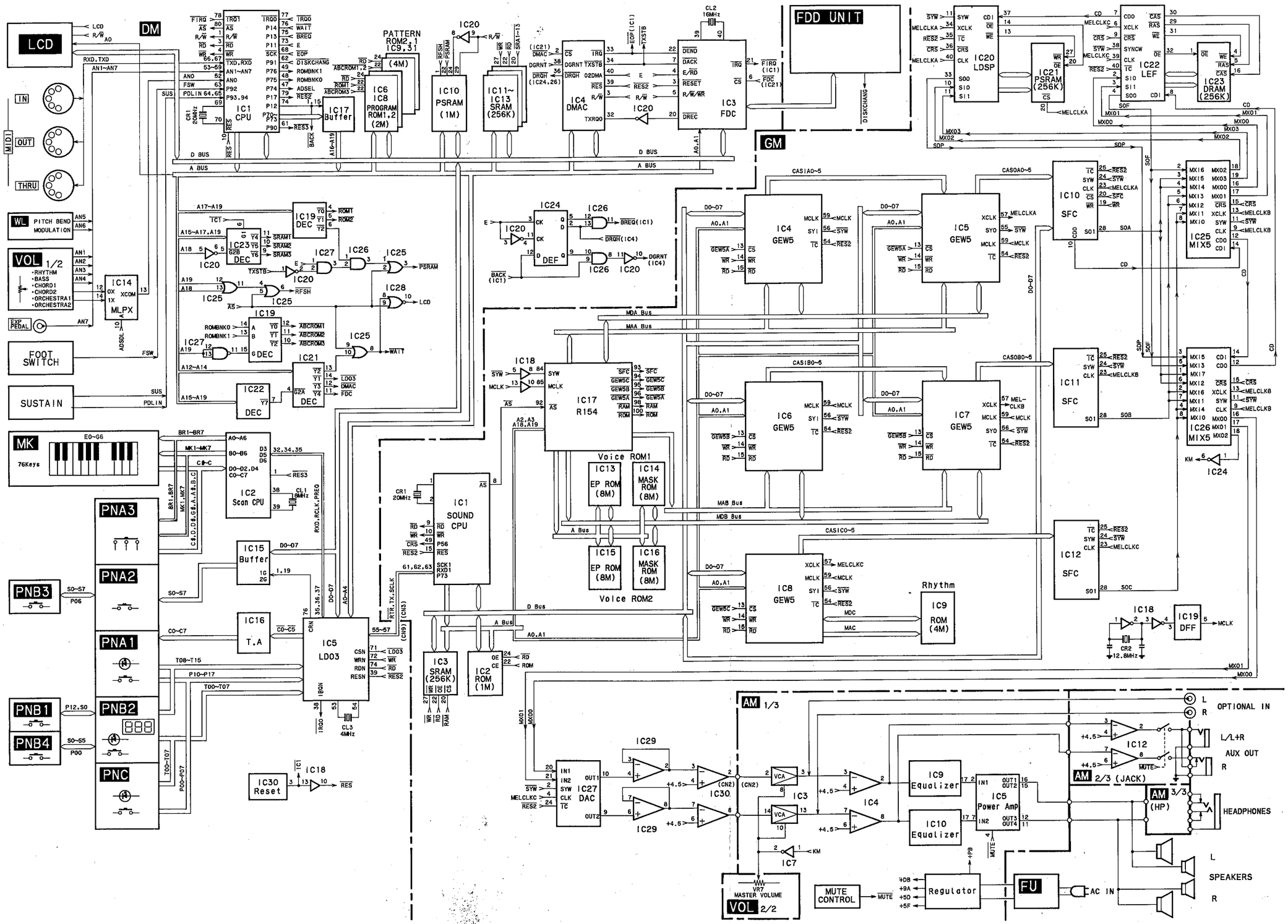
① MIDI IN, THRU and OUT Connectors
② The AUX. OUT Jacks
③ OPTIONAL IN L and R Jacks
④ EXP. PEDAL Jack
⑤ SUSTAIN Jack
⑥ FOOT SW. Jack

■ CIRCUIT BOARD LAYOUT (ユニットレイアウト)



PSR-6700

■BLOCK DIAGRAM（ブロックダイアグラム）



PSR-6700

■ DISASSEMBLY PROCEDURE（分解手順）

1. Bottom Case Removal

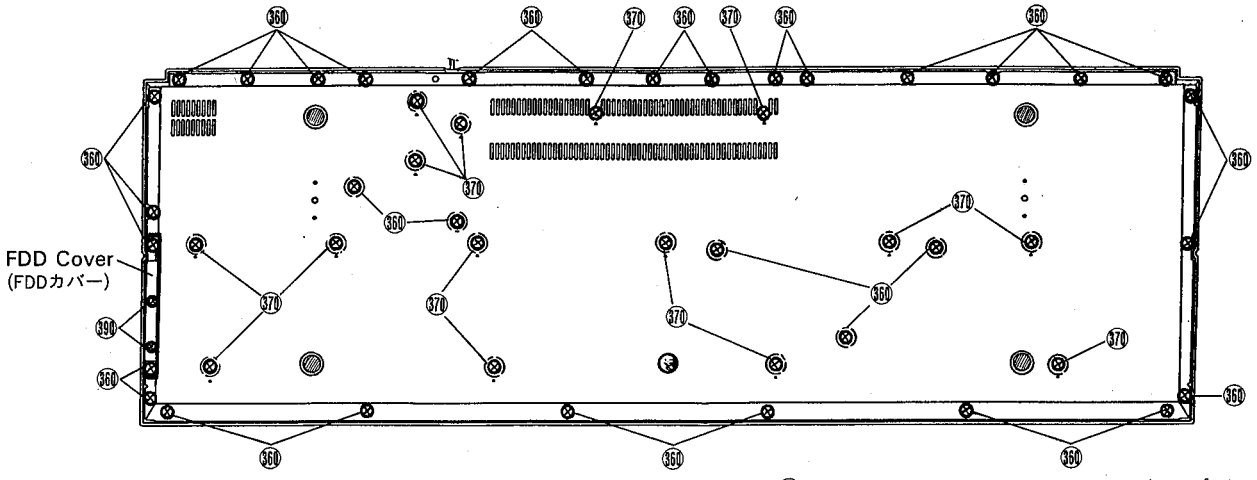
1-1. There are fifty (50) screws which hold the bottom case.
First, remove thirty-three (33) screws marked in the figure as (360) around the outer edge, and fifteen (15) screws marked (370). (Fig. 1)

1-2. Afterwards remove the two (2) screws marked (390), then the bottom case can be removed. (Fig. 1)

1．ボトムケースの外し方

1-1. (360)のネジ33本と(370)のネジ15本を外します。(Fig. 1)

1-2. (390)のネジ２本を外してFDDカバーを外し、ボトムケースを取り外します。(Fig. 1)



(360) : 5.0×16 Cup Tapping Screw-P (カップPタイトネジ)
(370) : 4.0×8 Bind Head Screw (バインド小ネジ)
(390) : 3.0×6 Bind Head Screw (バインド小ネジ)

(Fig. 1)

2. Speakers Removal

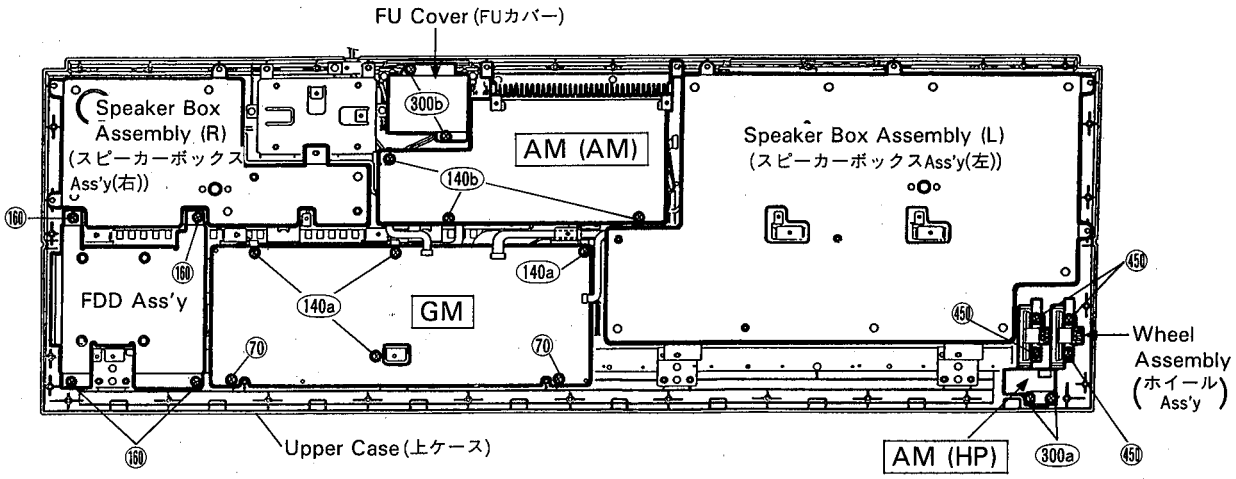
2-1. Remove the bottom case. (see procedure 1)

2-2. Take the left and right speaker box assemblies out of the unit. (Fig. 2)

2．スピーカー(ウーハー，ツィーター)の外し方

2-1. ボトムケースを外します。(１項参照)

2-2. AMシート上のスピーカーボックスAss'yからのコネクターをそれぞれ１個ずつ抜いて、スピーカーボックスAss'y(左右)を外します。(Fig. 2)



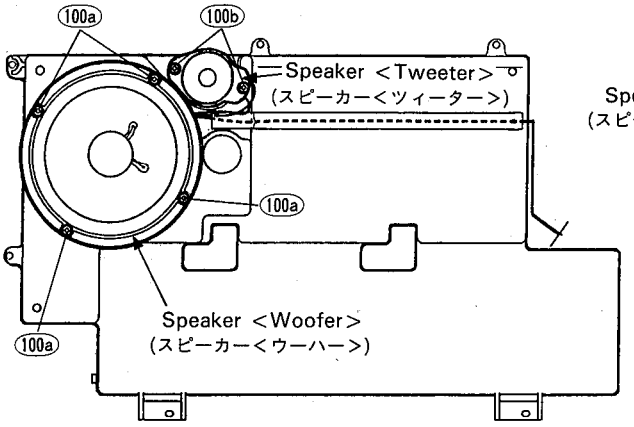
(70) : 4.0×12 Bind Head Tapping Screw (バインドタッピングネジ)
(140a), (140b) : 4.0×8 Bind Head Screw (バインド小ネジ)
(160) : 4.0×16 Bind Head Tapping Screw (バインドタッピングネジ)
(300a), (300b) : 3.0×8 Bind Head Tapping Screw (バインドタッピングネジ)
(450) : 3.0×8 Bind Head Tapping Screw (バインドタッピングネジ)

(Fig. 2)

2-3. The left woofer, speaker can be removed by removing the four (4) screws marked (100a). (Fig. 3)
2-4. The left tweeter, speaker can be removed by removing the two (2) screws marked (100b). (Fig. 3)
2-5. Remove the four (4) screws marked (80a), then the right woofer, speaker can be removed. (Fig. 4)
2-6. After the two (2) screws marked (80b) have been removed, then the right tweeter, speaker can be removed.

2-3. スピーカーボックスAss'y(左)のウーハーは、(100a)のネジ4本を外して取り外します。(Fig. 3)
2-4. スピーカーボックスAss'y(左)のツィーターは、(100b)のネジ2本を外して取り外します。(Fig. 3)
2-5. スピーカーボックスAss'y(右)のウーハーは、(80a)のネジ4本を外して取り外します。(Fig. 4)
2-6. スピーカーボックスAss'y(右)のツィーターは、(80b)のネジ2本を外して取り外します。(Fig. 4)

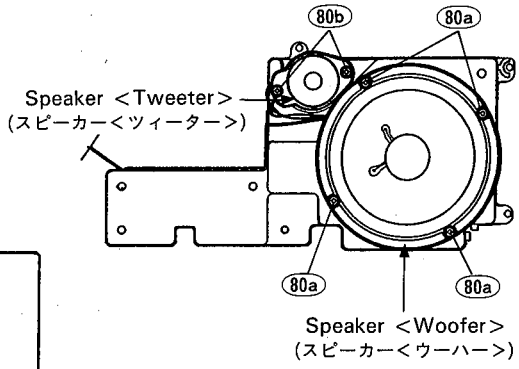
• Speaker Box Assembly (L) (スピーカーボックスAss'y(左))



(100a), (100b): 4.0 × 12 Bind Head Tapping Screw (バインドタッピングネジ)

(Fig. 3)

• Speaker Box Assembly (R) (スピーカーボックスAss'y(右))



(80a), (80b): 4.0 × 12 Bind Head Tapping Screw (バインドタッピングネジ)

(Fig. 4)

3. GM Circuit Board Removal

3-1. Remove the bottom case. (see procedure 1)
3-2. Remove the two (2) screws marked (70) and four (4) screw marked (140a), then the GM circuit board can be removed. (Fig. 2)

4. AM Circuit Board Removal

4-1. Remove the bottom case. (see procedure 1)
4-2. Remove the left speaker box assembly. (see procedure 2-2)
4-3. Remove the three (3) screws marked (140b), then the AM circuit board can be removed. (Fig. 2)

5. HP Circuit Board Removal

5-1. Remove the bottom case. (see procedure 1)
5-2. After the two (2) screws marked (300a) have been removed, then the HP circuit board can be removed. (Fig. 2)

3．GMシートの外し方

3-1. ボトムケースを外します。(1項参照)
3-2. (70)のネジ2本と(140a)のネジ4本を外し、シート上のコネクターを抜いてGMシートを取り外します。(Fig. 2)

4．AMシートの外し方

4-1. ボトムケースを外します。(1項参照)
4-2. スピーカーボックスAss'y(左)を外します。(2-2項参照)
4-3. (140b)のネジ3本を外し、シート上のコネクターを抜いてAMシートを取り外します。(Fig. 2)

5．HPシートの外し方

5-1. ボトムケースを外します。(1項参照)
5-2. (300a)のネジ2本を外し、シート上のコネクターを抜いてHPシートを取り外します。(Fig. 2)

6. Floppy Disk Drive Assembly Removal

6-1. Remove the bottom case. (see procedure 1)
6-2. Remove the right speaker box assembly. (see procedure 2-2)
6-3. The floppy disk drive assembly can be removed by removing the four (4) screws marked (160). (Fig. 2)
6-4. After the four (4) screws marked (150c) have been removed, then the bracket can be removed from the FDD. (Fig. 2-1)

6．FDD Ass'yの外し方

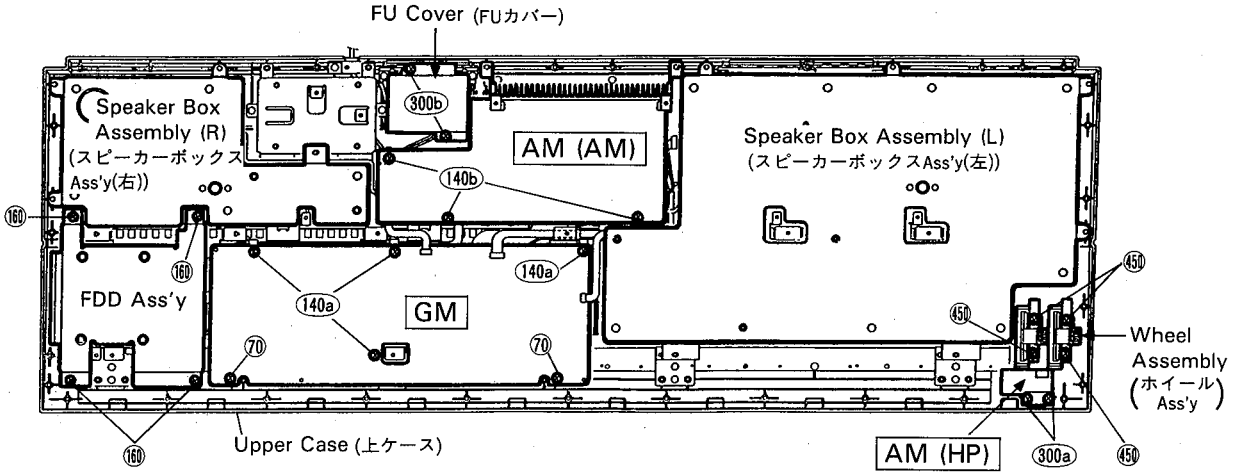
6-1. ボトムケースを外します。(1項参照)
6-2. スピーカーボックスAss'y(右)を外します。(2-2項参照)
6-3. (160)のネジ4本を外し、FDDのコネクターを抜いてFDD Ass'yを取り外します。(Fig. 2)
6-4. (150c)のネジ4本を外し、FDDよりFDD金具を外します。(Fig.2-1)

7. Wheel Assembly Removal

7-1. Remove the bottom case. (see procedure 1)
7-2. Remove the left speaker box assembly. (see procedure 2-2)
7-3. Remove the four (4) screws marked (450) and pull the connector assembly out, then remove the wheel assembly. (Fig. 2)

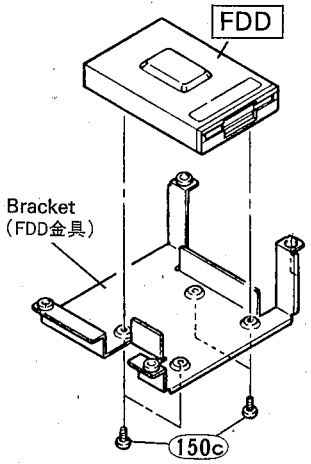
7．ホイールAss'yの外し方

7-1. ボトムケースを外します。(1項参照)
7-2. スピーカーボックスAss'y(左)を外します。(2-2項参照)
7-3. (450)のネジ4本を外し、DMシート上のホイールからのコネクターを抜いて、ホイールAss'yを取り外します。(Fig. 2)



(70): 4.0×12 Bind Head Tapping Screw (バインドタッピングネジ)
(140a), (140b): 4.0×8 Bind Head Screw (バインド小ネジ)
(160): 4.0×16 Bind Head Tapping Screw (バインドタッピングネジ)
(300a), (300b): 3.0×8 Bind Head Tapping Screw (バインドタッピングネジ)
(450): 3.0×8 Bind Head Tapping Screw (バインドタッピングネジ)

(Fig. 2')



(150c): 3.0×6 Bind Head Screw (バインド小ネジ)

(Fig. 2-1)

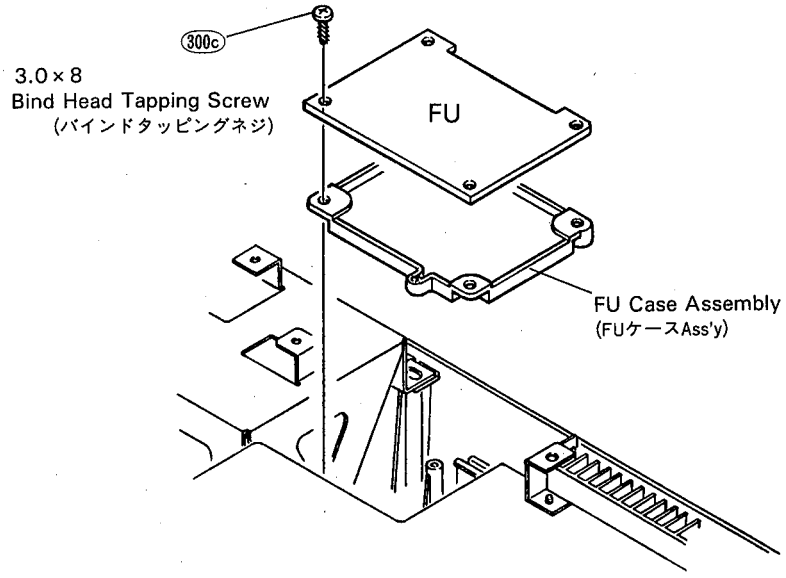
PSR-6700

8. FU Circuit Board Removal

8-1. Remove the bottom case. (see procedure 1)
8-2. Remove the two (2) screws marked (300b) to remove the FU cover. (Fig. 2)
8-3. Remove the four (4) screws marked (300c), then the FU circuit board can be removed with the FU case assembly. (Fig. 5 and Fig. 6)

8．FUシートの外し方

8-1. ボトムケースを外します。(1項参照)
8-2. (300b)のネジ2本を外してFUカバーを外します。(Fig. 2)
8-3. (300c)のネジ4本を外し、シート上のコネクターを抜いてFUシートを取り外します。(Fig. 5)
8-4. この時、FUシートと一緒にFUケースAss'yも外れます。(Fig. 5, Fig. 6)



(Fig. 5)

9. Power Transformer Assembly Removal

9-1. Remove the bottom case. (see procedure 1)
9-2. Remove the left and right speaker box assemblies. (see procedure 2-2)
9-3. Remove the AM circuit board. (see procedure 4)
9-4. Remove the FU cover. (see procedure 8-2)
9-5. Remove the four (4) screws marked (70a) and two (2) screws marked (140c), then the power transformer assembly can be removed. (Fig. 6)

9．トランス金具Ass'yの外し方

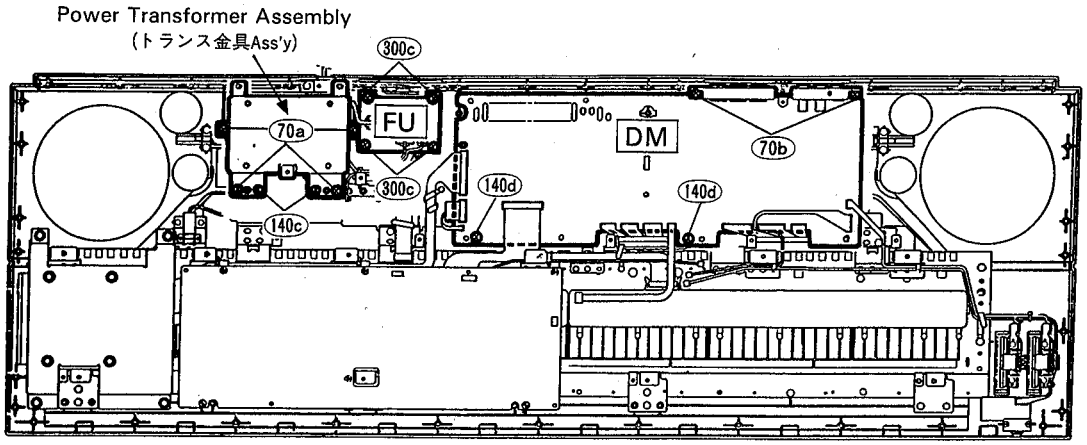
9-1. ボトムケースを外します。(1項参照)
9-2. スピーカーボックスAss'y(左右)を外します。(2-2項参照)
9-3. AM(AM)シートを外します。(4項参照)
9-4. FUカバーを外します。(8-2項参照)
9-5. (70a)のネジ4本と(140c)のネジ2本を外し、AM(AM)シートとFUシート上の電源トランスからのコネクターを抜いて、トランス金具Ass'yを取り外します。(Fig. 6)

10. DM Circuit Board Removal

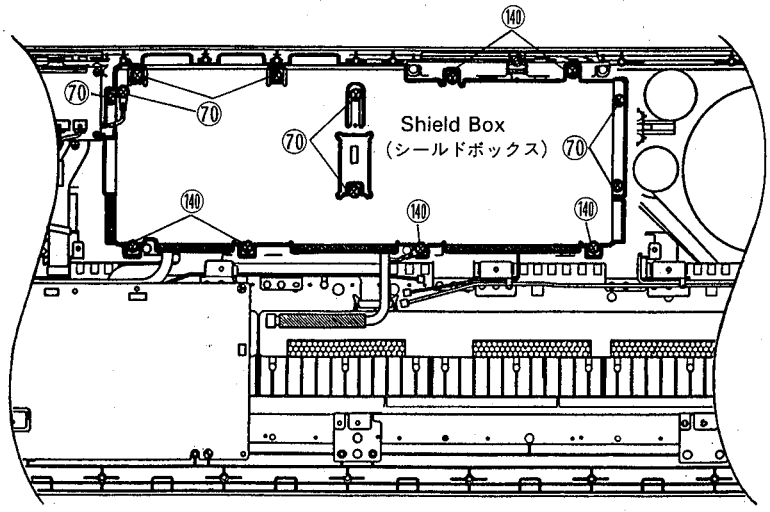
10-1. Remove the bottom case. (see procedure 1)
10-2. Remove the left speaker box assembly. (see procedure 2-2)
10-3. Remove the AM circuit board. (see procedure 4)
10-4. Remove the eight (8) screws marked (70) and six (6) screws marked (140), then remove the shield box. (Fig. 6-1)
10-5. After the two (2) screws marked (70b) and two (2) screws marked (140d) have been removed, then the DM circuit board can be removed. (Fig. 6)

10. DMシートの外し方

10-1. ボトムケースを外します。(1項参照)
10-2. スピーカーボックスAss'y(左)を外します。(2-2項参照)
10-3. AM(AM)シートを外します。(4項参照)
10-4. (70)のネジ8本と(140)のネジ6本を外し、シールドボックスを外します。(Fig.6-1)
10-5. (70b)のネジ2本と(140d)のネジ2本を外し、シート上のコネクターを抜いてDMシートを取り外します。(Fig. 6)



(70a), (70b): 4.0×12 Bind Head Tapping Screw (バインドタッピングネジ)
(140c), (140d): 4.0×8 Bind Head Screw (バインド小ネジ)
(300c): 3.0×8 Bind Head Tapping Screw (バインドタッピングネジ)
(Fig. 6)



(70): 4.0×12 Bind Head Tapping Screw (バインドタッピングネジ)
(140): 4.0×8 Bind Head Screw (バインド小ネジ)
(Fig. 6-1)

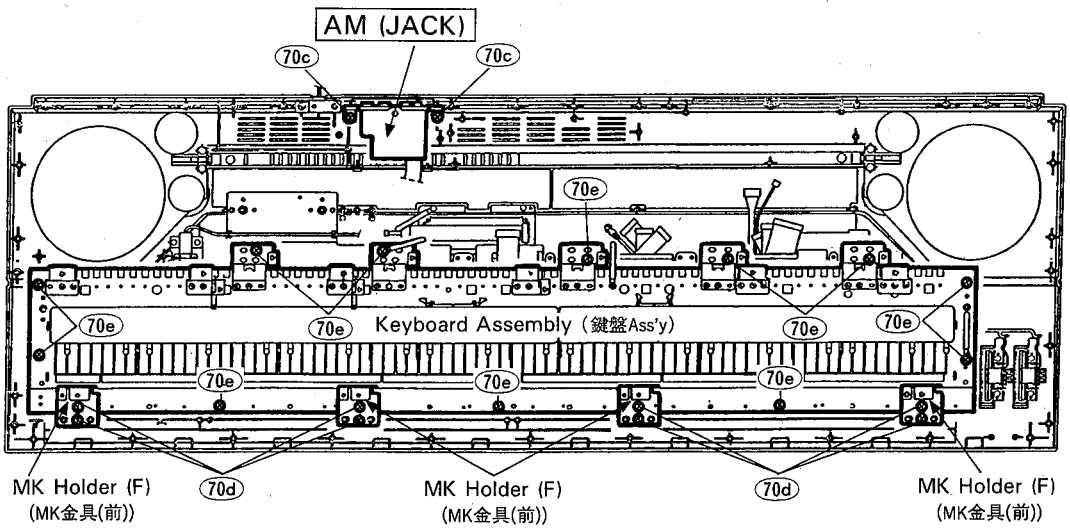
PSR-6700

11. JACK Circuit Board Removal

11-1. Remove the bottom case. (see procedure 1)
11-2. Remove the FU circuit board and FU cover assembly. (see procedure 8)
11-3. Remove the two (2) screws marked (70c), then the JACK circuit board can be removed. (Fig. 7)

11. JACKシートの外し方

11-1. ボトムケースを外します。(1項参照)
11-2. FUシートとFUケースAss'yを外します。(8項参照)
11-3. (70c)のネジ2本を外し、シート上のコネクターを抜いてJACKシートを取り外します。(Fig. 7)



(70c), (70d), (70e) : 4.0×12 Bind Head Tapping Screw (バインドタッピングネジ)

(Fig. 7)

12. Keyboard assembly Removal

12-1. Remove the bottom case. (see procedure 1)
12-2. Remove the left and right speaker box assemblies. (see procedure 2-2)
12-3. Remove the GM circuit board. (see procedure 3)
12-4. Remove the AM circuit board. (see procedure 4)
12-5. Remove the floppy disk drive assembly. (see procedure 6)
12-6. Remove the DM circuit board. (see procedure 11)
12-7. Remove the eight (8) screws marked (70d) to remove the four (4) MK holders. (Fig. 7)
12-8. After the twelve (12) screws marked (70e) have been removed, then the keyboard assembly can be removed. (Fig. 7)

12. 鍵盤Ass'yの外し方

12-1. ボトムケースを外します。(1項参照)
12-2. スピーカーボックスAss'y(左右)を外します。(2-2項参照)
12-3. GMシートを外します。(3項参照)
12-4. AM(AM)シートを外します。(4項参照)
12-5. FDD Ass'yを外します。(6項参照)
12-6. DMシートを外します。(11項参照)
12-7. (70d) のネジ8本を外し、MK金具(前)を4個外します。(Fig. 7)
12-8. (70e) のネジ12本を外し、MKシートのコネクターを抜いて鍵盤Ass'yを取り外します。(Fig. 7)

13. Power Switch Removal

13-1. Remove the bottom case. (see procedure 1)
13-2. Remove the left and right speaker box assemblies. (see procedure 2-2)
13-3. Remove the GM circuit board. (see procedure 3)
13-4. Remove the AM circuit board. (see procedure 4)
13-5. Remove the floppy disk drive assembly. (see procedure 6)
13-6. Remove the DM circuit board. (see procedure 11)
13-7. Remve the keyboard assembly. (see procedure 12)
13-8. Remove the FU cover. (see procedure 8-2)
13-9. After the three (3) screws marked ㊿ have been removed, then the power switch can be removed. (Fig. 8)

14. PNA1 Circuit Board Removal

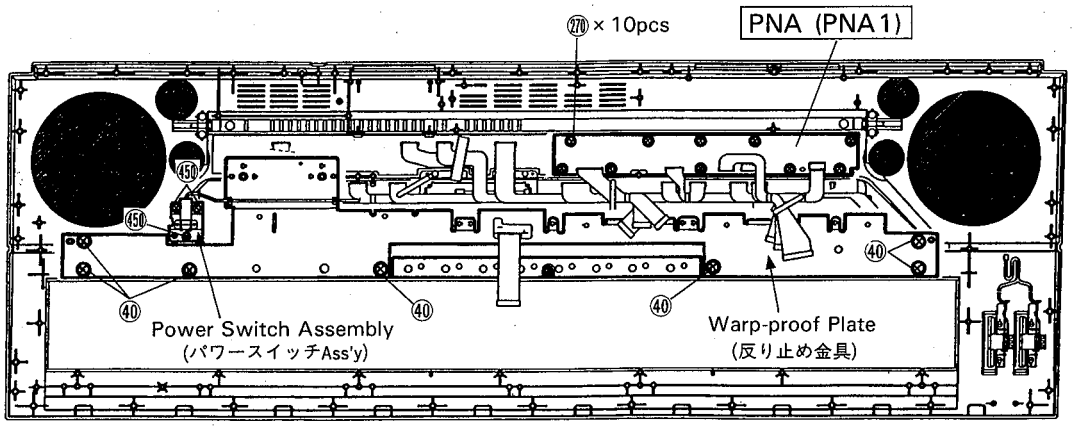
14-1. Remove the bottom case. (see procedure 1)
14-2. Remove the AM circuit board. (see procedure 4)
14-3. Remove the DM circuit board. (see procedure 11)
14-4. Remove the ten (10) screws marked ㉗, then the PNA1 circuit board can be removed. (Fig. 8)

13. パワースイッチAss'yの外し方

13-1. ボトムケースを外します。(1項参照)
13-2. スピーカーボックスAss'y(左右)を外します。(2-2項参照)
13-3. GMシートを外します。(3項参照)
13-4. AM(AM)シートを外します。(4項参照)
13-5. FDD Ass'yを外します。(6項参照)
13-6. DMシートを外します。(11項参照)
13-7. 鍵盤Ass'yを外します。(12項参照)
13-8. FUカバーを外します。(8-2項参照)
13-9. ㊿のネジ3本を外し、FUシート上のパワースイッチからのコネクターを抜いて、パワースイッチAss'yを取り外します。(Fig. 8)

14. PNA1シートの外し方

14-1. ボトムケースを外します。(1項参照)
14-2. AM(AM)シートを外します。(4項参照)
14-3. DMシートを外します。(11項参照)
14-4. ㉗のネジ10本を外し、シートのコネクターを抜いてPNA1シートを取り外します。(Fig. 8)



㊵: 4.0×12 Bind Head Tapping Screw (バインドタッピングネジ)
㉗ : 3.0×6 Cup Tapping Screw-P (カップPタイトネジ)
㊿ : 3.0×8 Bind Head Tapping Screw (バインドタッピングネジ)

(Fig. 8)

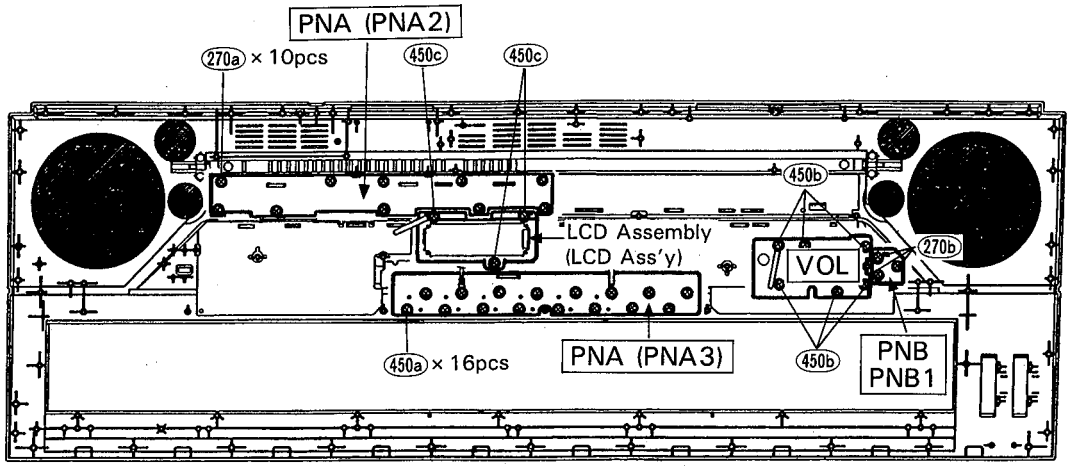
PSR-6700

15. PNA2, PNA3, VOL, LCD Assembly, PNB1, PNB2, PNB3, PNB4 and PNC Circuit Boards Removal

15-1. Remove the bottom case. (see procedure 1)
15-2. Remove the left and right speaker box assemblies. (see procedure 2-2)
15-3. Remove the GM circuit board. (see procedure 3)
15-4. Remove the AM circuit board. (see procedure 4)
15-5. Remove the floppy disk drive assembly. (see procedure 6)
15-6. Remove the DM circuit board. (see procedure 11)
15-7. Remove the keyboard assembly. (see procedure 12)
15-8. Remove the FU cover. (see procedure 8-2)
15-9. Remove the power transformer assembly. (see procedure 9)
15-10. Remove the eight (8) screws marked (40), then remove the warp-proof plate. (Fig. 8)
15-11. Removal of PNA2 circuit board
15-11-1. After the ten (10) screws marked (270a) have been removed, then the PNA2 circuit board can be removed. (Fig. 9)
15-12. Removal of PNA3 circuit board
15-12-1. Remove the sixteen (16) screws marked (450a), then the PNA3 circuit board can be removed. (Fig. 9)
15-13. Removal of VOL circuit board
15-13-1. Pull out the seven (7) knobs located on the panel.
15-13-2. The VOL circuit board can be removed by removing the six (6) screws marked (450b). (Fig. 9)
15-14. Removal of LCD assembly
15-14-1. Remove the three (3) screws marked (450c), then the LCD assembly can be removed. (Fig. 9)
15-15. Removal of PNB1 circuit board
15-15-1. Remove the three (3) screws marked (270b), then the PNB1 circuit board can be removed. (Fig. 9)

15. PNA2、PNA3シート、VOLシート、LCDAss'y、PNB1～4シート、PNCシートの外し方

15-1. ボトムケースを外します。(1項参照)
15-2. スピーカーボックスAss'y(左右)を外します。(2-2項参照)
15-3. GMシートを外します。(3項参照)
15-4. AM(AM)シートを外します。(4項参照)
15-5. FDD Ass'yを外します。(6項参照)
15-6. DMシートを外します。(11項参照)
15-7. 鍵盤Ass'yを外します。(12.参照)
15-8. FUカバーを外します。(8-2項参照)
15-9. トランス金具Ass'yを外します。(9項参照)
15-10. (40)のネジ8本を外して反り止め金具を外します。(Fig. 8)
15-11. PNA2シートの外し方
15-11-1. (270a)のネジ10本を外し、シートのコネクターを抜いてPNA2シートを取り外します。(Fig. 9)
15-12. PNA3シートの外し方
15-12-1. (450a)のネジ16本を外してPNA3シートを取り外します。(Fig. 9)
15-13. VOLシートの外し方
15-13-1. 本体のパネル面から、スライドツマミ7個を抜き取ります。
15-13-2. (450b)のネジ6本を外し、シートのコネクターを抜いてVOLシートを取り外します。(Fig. 9)
15-14. LCD Ass'yの外し方
15-14-1. (450c)のネジ3本を外してLCD Ass'yを取り外します。(Fig. 9)
15-15. PNB1シートの外し方
15-15-1. (270b)のネジ3本を外し、シートのコネクターを抜いてPNB1シートを取り外します。(Fig. 9)

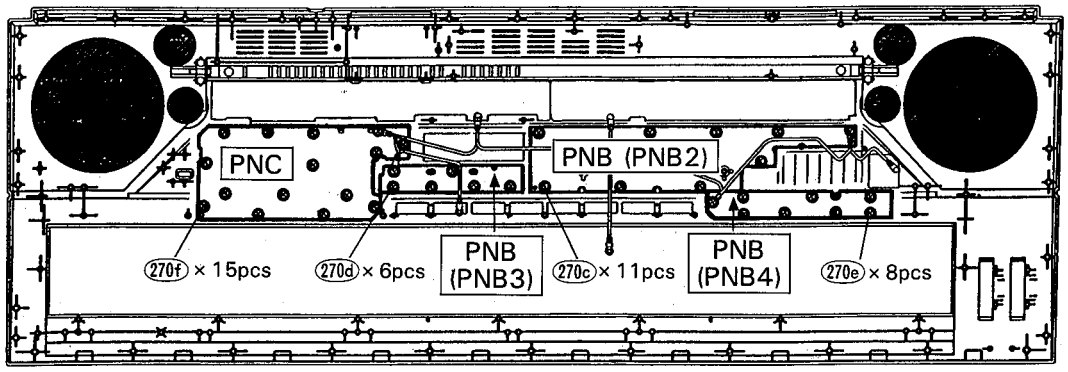


270a, 270b : 3.0×6 Cup Tapping Screw-P (カップPタイトネジ)
450a, 450b, 450c: 3.0×8 Bind Head Tapping Screw (バインドタッピングネジ)

(Fig. 9)

15-16. Removal of PNB2 circuit board
15-16-1. Remove the PNA3 circuit board. (see procedure 15-12)
15-16-2. Remove the VOL circuit board. (see procedure 15-13)
15-16-3. After the eleven (11) screws marked 270c have been removed, then the PNB2 circuit board can be removed. (Fig. 10)
15-17. Removal of PNB3 circuit board
15-17-1. Remove the PNA3 circuit board. (see procedure 15-12)
15-17-2. Remove the LCD assembly. (see procedure 15-14)
15-17-3. The PNB3 circuit board can be removed by removing the six (6) screws marked 270d. (Fig. 10)
15-18. Removal of PNB4 circuit board
15-18-1. Remove the eight (8) screws marked 270e, then the PNB4 circuit board can be removed. (Fig. 10)
15-19. Removal of PNC circuit board
15-19-1. After the fifteen (15) screws marked 270f have been removed, then the PNC circuit board can be removed. (Fig. 10)

15-16. PNB2シートの外し方
15-16-1. PNA3シートを外します。(15-12項参照)
15-16-2. VOLシートを外します。(15-13項参照)
15-16-3. 270cのネジ11本を外し、シートのコネクターを抜いてPNB2シートを取り外します。(Fig. 10)
15-17. PNB3シートの外し方
15-17-1. PNA3シートを外します。(15-12項参照)
15-17-2. LCD Ass'yを外します。(15-14項参照)
15-17-3. 270dのネジ6本を外し、シートのコネクターを抜いてPNB3シートを取り外します。(Fig. 10)
15-18. PNB4シートの外し方
15-18-1. 270eのネジ8本を外し、シートのコネクターを抜いてPNB4シートを取り外します。(Fig. 10)
15-19. PNCシートの外し方
15-19-1. 270fのネジ15本を外し、シートのコネクターを抜いてPNCシートを取り外します。(Fig. 10)



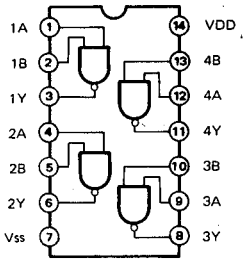
270c, 270d, 270e, 270f: 3.0×6 Cup Tapping Screw-P (カップPタイトネジ)

(Fig. 10)

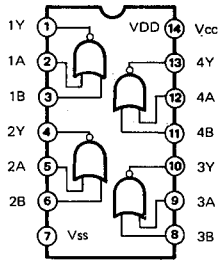
PSR-6700

■IC BLOCK DIAGRAM (ICブロック図)

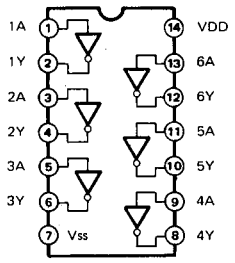
- **TC74HC00AP** (IR000000)
  Quad 2 Input NAND



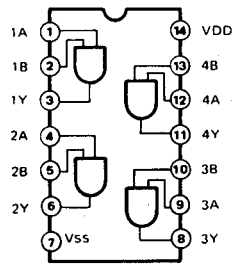
- **TC74HC02AP** (IR000200)
  Quad 2 Input NOR



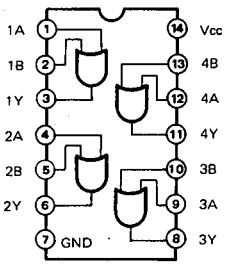
- **TC4069UBP** (IG001720)
- **TC40H004P** (IG051000)
- **TC74HC04P** (IR000400)
  Hex Inverter



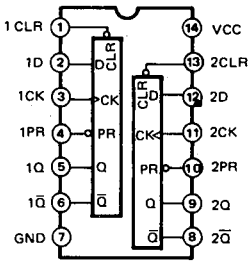
- **TC74HC08AP** (IR000800)
  Quad 2 Input AND



- **TC74HC32AP** (IR003200)
  Quad 2 Input OR

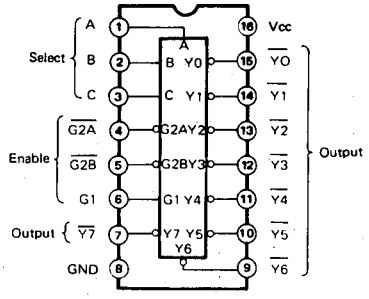


- **TC74HC74AP** (IR007400)
  Dual D-Type Flip-Flop

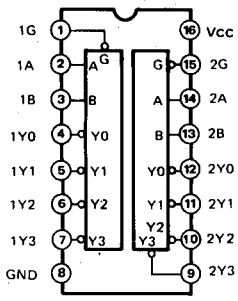


INPUTS				OUTPUTS	
PR	CLR	CLK	D	Q	Q̄
L	H	X	X	H	L
H	L	X	X	L	H
L	L	X	X	H	H
H	H	↑	H	H	L
H	H	↑	L	L	H
H	H	L	X	Q_0	$\bar{Q}_0$

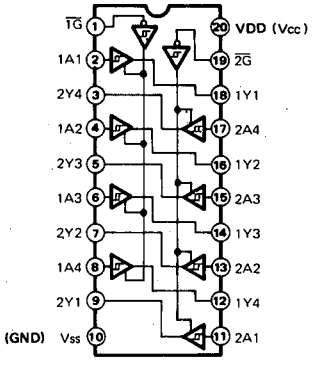
- **TC74HC138AP** (IR013800)
  3 to 8 Demultiplexer



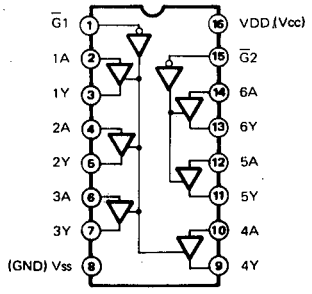
- **TC74HC139AP** (IR013900)
  Dual 2 to 4 Demultiplexer



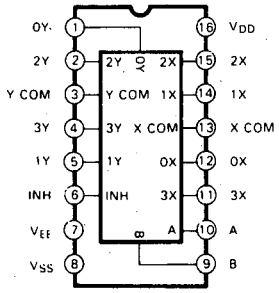
- **TC40H244P** (IG107200)
  Octal 3-State Bus Buffer



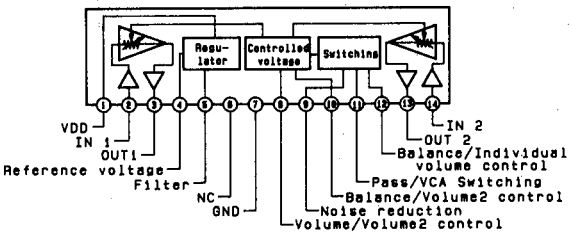
- **TC40H367P** (IG107300)
  Hex 3-State Bus Buffer



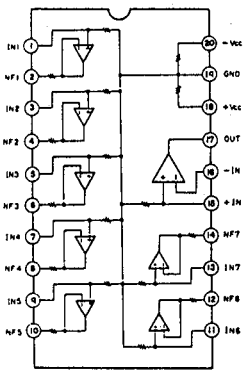
- **TC4052BP** (XA053A00)
  Differential 4-Channel
  Multiplexer/Demultiplexer



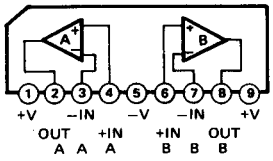
- **M51132L** (XE470001)
  VCA



- **M5229P** (IX803030)
  7 Band Graphic Equalizer



- **NJM4560S** (IG121800)
- **μPC4570HA** (XB247A00)
  Dual Operational Amplifier



PSR-6700

■LSI PIN DESCRIPTION (LSI端子機能表)

• HD6435208P10 (XJ747B00) CPU

Pin No.	Name	I/O	Function	Pin No.	Name	I/O	Function
1	EXTAL	I	Clock	33	A7	O	Address bus
2	XTAL	I		34	A8	O	
3	P10	I	Bus cycle wait	35	A9	O	
4	P11	O	Interrupt request	36	A10	O	
5	A18	O	Address bus	37	A11	O	
6	A17	O		38	A12	O	
7	A16	O		39	A13	O	
8	$\overline{AS}$	O	Address strobe	40	A14	O	
9	$\overline{RD}$	O	Read control	41	A15	O	
10	$\overline{WR}$	O	Write control	42	VCC		Power supply
11	VCC		Power supply	43	P50	O	Port 5
12	MD0	I	Mode select	44	P51	O	
13	MD1	I		45	P52	O	
14	MD2	I		46	P53	O	
15	$\overline{RES}$	I	Reset	47	P54	O	
16	NM1	I	Non-maskable interrupt	48	P55	O	
17	VSS		Ground	49	P56	O	
18	D0	I/O	Data bus	50	P57	O	
19	D1	I/O		51	VSS		Ground
20	D2	I/O		52	AVSS		Analog ground
21	D3	I/O		53	AN0	I	Analog data input
22	D4	I/O		54	AN1	I	
23	D5	I/O		55	AN2	I	
24	D6	I/O		56	AN3	I	
25	D7	I/O		57	AVCC		Analog power supply
26	A0	O	Address bus	58	P70	O	Transmit data
27	A1	O		59	P71	I	Receive data
28	A2	O		60	A19	O	Address bus
29	A3	O		61	P73	I	Transmit data
30	A4	O		62	RXD1	I	Receive data
31	A5	O		63	SCK1	I	Clock for serial operation
32	A6	O		64	Vss		Ground

• HD63266FP (XI939A00) FDC (Floppy Disk Controller)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	8''/$\overline{5''}$	I	Data transmision speed	33	$\overline{TRK0}$	I	Track 00 signal
2	XTALSEL		Clock select	34	$\overline{INDEX}$	I	Index signal
3	RESET	I	Reset	35	$\overline{RDATA}$	I	Read data input from FDD
4	$\overline{E}$/$\overline{RD}$	I	Enable/Read	36	XTAL2		Clock
5	R/$\overline{W}$/$\overline{WR}$	I	Read/write/Write	37	EXTAL2		
6	$\overline{CS}$	I	Chip select	38	NC		
7	$\overline{DACK}$	I	DMA acknowledge	39	XTAL1		Clock
8	RS0	I	Register select	40	EXTAL1		
9	RS1	I		41	Vss4		Ground
10	Vss1		Ground	42	Vss5		
11	Vss2			43	NC		
12	D0	I/O	Data bus	44	Vcc2		Power supply
13	D1	I/O		45	Vcc3		
14	D2	I/O		46	Vcc4		
15	D3	I/O		47	$\overline{WGATE}$	O	Write control
16	D4	I/O		48	$\overline{WDATA}$	O	Write data to FDD
17	D5	I/O		49	$\overline{Vss6}$		Ground
18	D6	I/O		50	$\overline{STEP}$	O	Step signal to control head of FDD
19	D7	I/O		51			
20	$\overline{DREQ}$	O	DMA request	52	$\overline{HLOAD}$	O	Head load
21	$\overline{IRQ}$	O	Interrupt request	53	HSEL	O	Head select
22	$\overline{DEND}$	I	Data end	54	$\overline{Vss7}$		Ground
23	Vss3		Ground	55	$\overline{DS0}$	O	Drive select
24	1/2EX2			56	$\overline{DS1}$	O	
25	Vcc1		Power supply	57	$\overline{DS2}$	O	
26	NUM1			58	$\overline{DS3}$	O	
27	NUM2			59	$\overline{Vss8}$		Ground
28	IFS	I	Host interface select	60	$\overline{MON0}$	O	Motor on
29	SFORM	I	Format data	61	$\overline{MON1}$	O	
30	$\overline{INP}$	I	Index pulse	62	$\overline{MON2}$	O	
31	$\overline{READY}$	I	Ready from FDD	63	$\overline{MON3}$	O	
32	$\overline{WPRT}$	I	Write protected signal	64	Vss9		Ground

• HD6435328RA00F <H8/532> (XJ633A00) CPU

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	R/$\overline{W}$	O	Read/Write control	41	A19	O	Address bus
2	$\overline{DS}$	O	Data strobe	42	Vcc		Power supply
3	$\overline{RD}$	O	Read control	43	P70	O	
4	$\overline{WR}$	O	Write control	44	P71	O	
5	Vcc		Power supply	45	P72	O	Port 7
6	MD0	I		46	P73	O	
7	MD1	I	Mode select	47	P74	O	(AD select)
8	MD2	I		48	P75	O	(ROM bank 0 select)
9	$\overline{STBY}$	I	Stand-by	49	P76	O	(ROM bank 1 select)
10	$\overline{RES}$	I	Reset	50	P77	O	
11	NMI	I	Non-maskable interrupt	51	AVss		Analog ground
12	Vss		Ground	52	AN0	I	
13	D0	I/O		53	AN1	I	
14	D1	I/O		54	AN2	I	
15	D2	I/O		55	AN3	I	Analog signal input
16	D3	I/O	Data bus	56	AN4	I	
17	D4	I/O		57	AN5	I	
18	D5	I/O		58	AN6	I	
19	D6	I/O		59	AN7	I	
20	D7	I/O		60	AVcc		Analog power supply
21	A0	O		61	P90	O	Reset
22	A1	O		62	P91	I	Disk change
23	A2	O		63	P92	I	Foot switch
24	A3	O		64	P93	I	Sustain
25	A4	O	Address bus	65	P94	I	
26	A5	O		66	$\overline{TXD}$	O	MIDI data output
27	A6	O		67	$\overline{RXD}$	I	MIDI data input
28	A7	O		68	$\overline{SCK}$	I	End of process
29	Vss		Ground	69	EXTAL		Clock
30	A8	O		70	XTAL		
31	A9	O		71	Vss		
32	A10	O		72	P10	I	—
33	A11	O		73	P11	O	Enable
34	A12	O		74	P12	O	Bus acknowledge
35	A13	O	Address bus	75	P13	I	Bus request
36	A14	O		76	P14	I	Wait
37	A15	O		77	$\overline{IRQ0}$	I	Interrupt request
38	A16	O		78	$\overline{IRQ1}$	I	
39	A17	O		79	P17	O	Reset
40	A18	O		80	AS	O	Address strobe

• HD637B05V0P (XI887C00) CPU

Pin No.	Name	I/O	Function	Pin No.	Name	I/O	Function
1	$\overline{RES}$	I	Reset	21	C7	I/O	
2	$\overline{INT}$	I	Interrupt request	22	C6	I/O	
3	NUM	I	Non-maskable interrupt	23	C5	I/O	
4	A7	I/O		24	C4	I/O	Port C
5	A6	I/O		25	C3	I/O	
6	A5	I/O		26	C2	I/O	
7	A4	I/O		27	C1	I/O	
8	A3	I/O	Port A	28	C0	I/O	
9	A2	I/O		29	D0	I/O	
10	A1	I/O		30	D1	I/O	Port D
11	A0	I/O		31	D2	I/O	
12	B0	I/O		32	D3/$\overline{TX}$	O	(Serial data output)
13	B1	I/O		33	D4/$\overline{RK}$	I/O	
14	B2	I/O		34	D5/$\overline{CK}$	O	(Clock for serial operation)
15	B3	I/O		35	D6/$\overline{INT2}$	I/O	(Interrupt request)
16	B4	I/O	Port B	36	$\overline{STBY}$	I	(Standby mode signal)
17	B5	I/O		37	TIMER	I	Timer
18	B6	I/O		38	XTAL	I	Clock
19	B7	I/O		39	EXTAL	I	
20	VSS		Ground	40	VCC		Power supply

PSR-6700

• HD68B44RP (XI940A00) DMAC (Direct Memory Access Controller)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	Vss		Ground	21	D7	I/O	Data bus
2	CS	I	Chip select	22	D6	I/O	
3	RW	I	Read/Write	23	D5	I/O	
4	A0	I/O	Address bus	24	D4	I/O	
5	A1	I/O		25	D3	I/O	
6	A2	I/O		26	D2	I/O	
7	A3	I/O		27	D1	I/O	
8	A4	I/O		28	D0	I/O	
9	A5	I/O		29	TXRQ3	I	Transmission request
10	A6	I/O		30	TXRQ2	I	
11	A7	I/O		31	TXRQ1	I	
12	A8	I/O		32	TXRQ0	I	
13	A9	I/O		33	IRQ	O	Interrupt request
14	A10	I/O		34	TXSTB	O	Transmission stanby
15	A11	I/O		35	TXAKA	O	Transmission acknowledge
16	A12	I/O		36	DRQH	O	Halt request
17	A13	I/O		37	DRQT	O	Halt request in TSC mode
18	A14	I/O		38	DGRNT	I	Bus grant
19	A15	I/O		39	RES	I	Reset
20	Vcc		Power supply	40	φ2DMA	I	System clock

• LC92018B-476 (XI045A00) RI54 (Gate Array)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	ADRA20	I	Wave memory address bus (A)	51	ADRS15	O	Wave memory address bus
2	ADRA19	I		52	ADRS4	O	
3	ADRA18	I		53	ADRS14	O	
4	ADRA17	I		54	ADRS5	O	
5	ADRA16	I		55	ADRS13	O	
6	ADRA15	I		56	ADRS6	O	
7	ADRA14	I		57	ADRS12	O	
8	ADRA13	I		58	ADRS7	O	
9	ADRA12	I		59	ADRS11	O	
10	ADRA11	I		60	ADRS8	O	
11	ADRA10	I		61	ADRS10	O	
12	ADRA9	I		62	ADRS18	O	
13	ADRA8	I		63	ADRS9	O	
14	ADRA7	I		64	ADRS19	O	
15	ADRA6	I		65	ADRS19	O	
16	ADRA5	I		66	ADRS20	O	
17	ADRA4	I		67	ADRS20	O	
18	ADRA3	I		68	DATB0	I	Wave memory data bus (B)
19	ADRA2	I		69	DATB1	I	
20	ADRA1	I		70	DATB2	I	
21	ADRA0	I		71	DATB3	I	
22	ADRB20	I		72	DATB4	I	
23	ADRB19	I		73	DATB5	I	
24	ADRB18	I		74	DATB6	I	
25	ADRB17	I		75	DATB7	I	
26	ADRB16	I		76	DATA0	O	Wave memory data bus (A)
27	ADRB15	I		77	DATA1	O	
28	ADRB14	I		78	DATA2	O	
29	ADRB13	I		79	DATA3	O	
30	ADRB12	I		80	DATA4	O	
31	ADRB11	I		81	DATA5	O	
32	ADRB10	I		82	DATA6	O	
33	ADRB9	I		83	DATA7	O	
34	ADRB8	I		84	SYW	I	Synch. signal
35	ADRB7	I		85	MCLK	I	Master clock
36	ADRB6	I		86	A2	I	Address bus for address decode
37	ADRB5	I		87	A3	I	
38	ADRB4	I		88	A18	I	
39	ADRB3	I		89	VDD		Power supply
40	Vss		Ground	90	Vss		Ground
41	VDD		Power supply	91	A19	I	Address bus for address decode
42	ADRB2	I	Wave memory address bus (B)	92	AS	I	Address strobe
43	ADRB1	I		93	SFC	O	SFC enable
44	ADRB0	I		94	GEW5C	O	GEW5-A chip enable
45	ADRS0	O	Wave memory address bus	95	GEW5B	O	GEW5-B chip enable
46	ADRS1	O		96	GEW5A	O	GEW5-C chip enable
47	ADRS17	O		97	DEB	O	
48	ADRS2	O		98	RAM	O	RAM chip enable
49	ADRS16	O		99	PSRAM	O	PSRAM chip enable
50	ADRS3	O		100	ROM	O	ROM chip enable

PSR-6700

• TMC3493PH (XF987A00) GEW-5 (FM and AWM Tone Generator)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	CASI00	I	Cascade in A	41	$\overline{MAE}$	O	Memory address enable
2	VDD		Power supply (+5V)	42	VDD		Power supply
3	D0	I/O	μCom. data bus	43	$\overline{MRD}$	O	Memory read control
4	D1	I/O		44	$\overline{MWR}$	O	Memory write control
5	D2	I/O		45	MD7	I/O	External memory data bus
6	D3	I/O		46	MD6	I/O	
7	D4	I/O		47	MD5	I/O	
8	D5	I/O		48	MD4	I/O	
9	D6	I/O		49	MD3	I/O	
10	D7	I/O		50	MD2	I/O	
11	A0	I	μCom. address bus	51	MD1	I/O	
12	A1	I		52	MD0	I/O	
13	$\overline{CS}$	I	Chip select	53	$\overline{MUTE}$	O	Analog mute control
14	$\overline{WR}$	I	Write control	54	$\overline{IC}$	I	Initial clear
15	$\overline{RD}$	I	Read control	55	SYO	O	Synchro. pulse input
16	SM	I	Slave/Master select	56	SYI	I	Synchro. pulse output
17	TEST1	I	Test pin	57	XCLK	O	3.2MHz
18	TEST2	I		58	CLC	I	MCLK in/out select
19	MA0	O	External memory address bus	59	MCLK	I/O	6.4MHz
20	MA1	O		60	VDD		Power supply
21	MA2	O		61	XOUT	O	Clock
22	MA3	O		62	XIN	I	
23	VSS		Ground	63	VSS		Ground
24	MA4	O	External memory address bus	64	SO12	O	PSD3 format output B
25	MA5	O		65	SO11	O	
26	MA6	O		66	SO10	O	
27	MA7	O		67	SO02	O	PSD3 format output A
28	MA8	O		68	SO01	O	
29	MA9	O		69	SO00	O	
30	MA10	O		70	CASO12	O	Cascade out B (SFC/RFL format-linear)
31	MA11	O		71	CASO11	O	
32	MA12	O		72	CASO10	O	
33	MA13	O		73	CASO02	O	Cascade out A (SFC/RFL format-linear)
34	MA14	O		74	CASO01	O	
35	MA15	O		75	CASO00	O	
36	MA16	O		76	CASI12	I	Cascade in B (serial sum)
37	MA17	O		77	CASI11	I	
38	MA18	O		78	CASI10	I	
39	MA19	O		79	CASI02	I	Cascade in A (serial sum)
40	MA20	O		80	CASI01	I	

• TMC57800N (XG662A00) MIX5 (Mixer)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	MXI7	I	Signal data input	11	SYW	I	Synch. pulse
2	MXI6	I		12	CDO	O	Control data output
3	MXI5	I		13	XCLK	I	Clock
4	MXI4	I		14	CDI	I	Control data input
5	MXI3	I		15	$\overline{CRS}$	I	Counter reset
6	MXI2	I		16	MXO0	O	Signal data output
7	MXI1	I		17	MXO1	O	
8	MXI0	I		18	MXO2	O	
9	CLK	I	Clock	19	MXO3	O	
10	VSS		Ground	20	VDD		Power supply

• YM3032 (XG411A00) DAL3 (Digital Analog Converter Logic)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	DVDD		Power supply	13	to Buff	O	Analog output to buffer amp.
2	SYW	I	Synchro pulse	14	MP	I	Middle point 1/2 VDD bias
3	DGND		Digital ground	15	RC	O	Bias compensation
4	CLK	I	Clock	16	RB	O	Bias-R
5	CRHV	O	Crash detect	17	AGND		Analog ground
6	ZERO	O	Zero detect	18	AVDD		Analog power supply
7	OUT4	O	Analog signal output	19	LMTEM	I	Limiter enable
8	OUT3	O		20	IN1	I	Digital data input
9	OUT2	O		21	IN2	I	
10	OUT1	O		22	SEL1	I	Data shift
11	NS	I	Chip test	23	SEL2	I	
12	COM	I	Analog input from buffer amp.	24	$\overline{IC}$	I	Initial clear

• YM3413 (XE449A00) LDSP (Digital Signal Processor)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	VDD		DC supply (+5V)	21	A5	O	Address bus
2	D7	I/O	Data bus	22	A6	O	
3	D6	I/O		23	A7	O	
4	D5	I/O		24	A8	O	
5	D4	I/O		25	A9	O	
6	D3	I/O		26	A10	O	
7	D2	I/O		27	A11	O	
8	D1	I/O		28	A12	O	
9	D0	I/O		29	A13	O	
10	SI0	I	Serial data input	30	A14	O	
11	SI1	I		31	A15	O	
12	SYW	I	Synchro pulse	32	A16	O	
13	$\overline{WE}$	O	Write enable	33	SD0	O	Serial data output
14	$\overline{OE}$	O	Output enable	34	XCLK	I	Clock
15	A0	O	Address bus	35	$\overline{IC}$	I	Initial Clear
16	A1	O		36	$\overline{CRS}$	I	CD counter reset
17	A2	O		37	CDI	I	CD input
18	A3	O		38	CDo	O	CD output
19	A4	O		39	SO1	O	Serial data output
20	Vss		Ground	40	CLK	I	Clock

• YM3415B (XE450B00) LEF (Effect Processor)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	VDD		Power supply	21	A7	O	Address bus
2	SI0	I	Serial data input	22	A6	O	
3	SI1	I		23	A5	O	
4	SO0	O	Serial data input	24	A4	O	
5	SO1	O		25	A3	O	
6	XCLK	I	Clock	26	A2	O	
7	CDO	O	CD data output	27	A1	O	
8	CDI	I	CD data input	28	A0	O	
9	$\overline{CRS}$/CE	I	CD counter reset	29	$\overline{RAS}$	O	DRAM control
10	$\overline{WR}$	I	Write control	30	$\overline{CAS}$	O	DRAM control
11	A/$\overline{D}$	I	Address/data parameter select	31	$\overline{WE}$	O	WE signal
12	PD0	I/O	Data bus	32	$\overline{OE}$	O	OE signal
13	PD1	I/O		33	D3	I/O	Data bus
14	PD2	I/O		34	D2	I/O	
15	PD3	I/O		35	D1	I/O	
16	PD4	I/O		36	D0	I/O	
17	PD5	I/O		37	TST2	I	Internal test
18	PD6	I/O		38	SYW	I	Sync pulse
19	PD7	I/O		39	CLK	I	Clock
20	Vss		Ground	40	$\overline{IC}$	I	Initial clear

• TMC3489NL (XE755A00) SFC (Signal Format Converter)

PIN NO.	NAME	I/O	FUNCTION	PIN NO.	NAME	I/O	FUNCTION
1	SI12	I	Serial data input	15	D4	I/O	Data bus
2	SI11	I		16	D5	I/O	
3	SI10	I		17	D6	I/O	
4	SI20	I		18	D7	I/O	
5	SI21	I		19	$\overline{WR}$	I	Write control
6	SI22	I		20	$\overline{CS}$	I	Chip select
7	Vss		Ground	21	VDD		DC supply
8	Vss			22	VDD		
9	TST1	I	Test input	23	CLK	I	Clock
10	CDO	O	CD data output	24	SYW	I	Synchro pulse
11	D0	I/O	Data bus	25	$\overline{IC}$	I	Initial clear
12	D1	I/O		26	TST2	O	Test output
13	D2	I/O		27	SO2	O	Serial data output
14	D3	I/O		28	SO1	O	

PSR-6700

VOICE LIST

BANK 0	BANK 1	BANK 2	BANK 3	BANK 4
00 PIANO 1	10 PIPE ORGAN 1	20 STRINGS 1	30 FLUTE	40 HARMONICA
01 PIANO 2	11 PIPE ORGAN 2	21 STRINGS 2	31 PAN FLUTE	41 TRUMPET 1
02 HONKY-TONK PIANO	12 JAZZ ORGAN 1	22 CHAMBER	32 CLARINET	42 TRUMPET 2
03 E.PIANO 1	13 JAZZ ORGAN 2	23 PIZZ. STRINGS	33 WOOD ENSEMBLE	43 MUTE TRUMPET
04 E.PIANO 2	14 ROCK ORGAN	24 SYNTH STRINGS	34 OBOE	44 FLUGEL HORN
05 E.PIANO 3	15 THEATER ORGAN	25 BELL STRINGS	35 SAXOPHONE 1	45 TROMBONE
06 HARPSICHORD 1	16 CHOIR	26 VIOLIN	36 SAXOPHONE 2	46 FRENCH HORN
07 HARPSICHORD 2	17 SYNTH CHOIR	27 CELLO	37 REED SECTION	47 TUBA
08 CLAVI	18 VOYAGER	28 ORCHESTRA 1	38 ACCORDION 1	48 BRASS 1
09 CELESTA	19 WHISTLE	29 ORCHESTRA 2	39 ACCORDION 2	49 BRASS 2
BANK 5	**BANK 6**	**BANK 7**	**BANK 8**	**BANK 9**
50 FAT BRASS	60 TIMPANI	70 BANJO	80 SLAP BASS	90 SOFT CLOUD
51 POWER BRASS	61 STEEL DRUM	71 KOTO	81 SYNTH BASS 1	91 TAJ FLUTE
52 SYNTH BRASS	62 CLASSIC GUITAR	72 HARP	82 SYNTH BASS 2	92 DREAM PAD
53 SOFT BRASS	63 FOLK GUITAR	73 ACOUSTIC BASS 1	83 SYNTH BASS 3	93 WARM PAD
54 VIBES	64 12 STRINGS GUITAR	74 ACOUSTIC BASS 2	84 MINI LEAD	94 SILK LAND
55 GLOCKEN	65 JAZZ GUITAR	75 E.BASS 1	85 BIG LEAD	95 ATMOS
56 MARIMBA	66 ROCK GUITAR 1	76 E.BASS 2	86 CRYSTALS	96 DIGIT
57 XYLOPHONE	67 ROCK GUITAR 2	77 E.BASS 3	87 BROCCOLI	97 SNOW LAND
58 BELLS	68 DISTORTION GUITAR	78 E.BASS 4	88 SYNPAD	98 MOVIE TRACK
59 CHIME	69 MUTE GUITAR	79 FRETLESS BASS	89 SYNTH HARPSI.	99 SCI.MOVIE

STYLE LIST

BANK 0	BANK 1	BANK 2	BANK 3	BANK 4	BANK 5
00 EUROBEAT	10 8 BEAT	20 SLOW ROCK	30 JAZZ BALLAD	40 BOSSA NOVA	50 REGGAE
01 DANCE POP	11 POP ROCK	21 SOUL ROCK	31 BOOGIE	41 SAMBA 1	51 COUNTRY
02 PARTY POP	12 BOUNCE ROCK	22 SHUFFLE	32 DIXIE	42 SAMBA 2	52 POLKA
03 ROCK	13 FOLK ROCK	23 FUNK	33 WALTZ 1	43 RHUMBA	53 MARCH
04 ROCK&ROLL 1	14 ROCK BALLAD	24 SWING	34 WALTZ 2	44 TANGO	54 6/8 MARCH
05 ROCK&ROLL 2	15 PIANO BALLAD	25 BIG BAND	35 JAZZ WALTZ	45 CHA-CHA	55 NEW AGE

DRUM & PERCUSSION INSTRUMENT KEY ASSIGNMENTS

Key	Instrument	Key	Instrument	Key	Instrument	Key	Instrument
E0	Bird 1	B♭1	Rim Shot	F3	Open Hi-Hat Hi	B4	E.Tom Hi
F0	Bird 2	B1	Tom Low	F♯3	Conga Low	C5	Snare Brush Shot
F♯0	Rooster	C2	Tom Mid	G3	Ride Cymbal	D♭5	Cuica Low
G0	Car Horn	D♭2	Snare 1	A♭3	Conga Hi	D5	Snare Brush Squeeze
A♭0	Scratch Noise Low	D2	Tom Hi	A3	Ride Cup	E♭5	Cuica Hi
A0	Train	E♭2	Snare 2	B♭3	Conga Mute	E5	Snare Roll
B♭0	Scratch Noise Hi	E2	Snare 3	B3	Crash Cymbal 1	F5	Cowbell Low
B0	Dropping Coin	F2	Snare 4	C4	Crash Cymbal 2	F♯5	Agogo Low
C1	Running Water	F♯2	Snare 5	D♭4	Bongo Low	G5	Cowbell Hi
D♭1	Laugh	G2	Snare 6	D4	Splash Cymbal	A♭5	Agogo Hi
D1	Woo!	A♭2	Tabla Low	E♭4	Bongo Hi	A5	Tambourine
E♭1	Yeah!	A2	Snare 7	E4	Reverse Cymbal	B♭5	Castanet
E1	Applause	B♭2	Tabla Hi	F4	E.Tom Bass	B5	Triangle Close
F1	Kick 1	B2	Pedal Hi-Hat	F♯4	Shaker	C6	Triangle Open
F♯1	Kick 2	C3	Closed Hi-Hat Low	G4	E.Tom Low	D♭6	Whistle Low
G1	Kick 3	D♭3	Timbales Low	A♭4	Surdo	D6	Finger Snaps
A♭1	Kick 4	D3	Open Hi-Hat Low	A4	E.Tom Mid	E♭6	Whistle Hi
A1	Tom Bass	E♭3	Timbales Hi	B♭4	Claves	E6	Hand Claps
		E3	Closed Hi-Hat Hi			F6	Cross Sticks

■ PERCUSSION PADS

CUSTOM 1 PRESETS		CUSTOM 2 PRESETS		CUSTOM 3 PRESETS	
PAD 1	Kick 1	PAD 1	Conga Low	PAD 1	Bird 2
PAD 2	Snare 4	PAD 2	Conga Hi	PAD 2	Rooster
PAD 3	Tom Low	PAD 3	Conga Mute	PAD 3	Train
PAD 4	Tom Mid	PAD 4	Shaker	PAD 4	Scratch Noise Low
PAD 5	Tom Hi	PAD 5	Agogo Low	PAD 5	Scratch Noise Hi
PAD 6	Closed Hi-Hat Low	PAD 6	Agogo Hi	PAD 6	Dropping Coin
PAD 7	Open Hi-Hat Low	PAD 7	Hand Claps	PAD 7	Woo!
PAD 8	Crash Cymbal 2	PAD 8	Whistle Hi	PAD 8	Applause

■ MIDI DATA FORMAT

● NOTE ON/OFF

DATA FORMAT: [9nH] -> [kk] -> [vv]

9nH = Note on/off event (n = channel number)
kk = key note number
vv = velocity (1...7FH, 0 = key off)

Note off (receive only) also recognized: [8nH] -> [kk] -> [vv]. Velocity value ignored.

● CONTROL CHANGE

DATA FORMAT: [BnH] -> [cc] -> [vv]

BnH = Control event [n channel number)
cc = Control number
vv = Control value

cc	Parameter	vv
0	Bank Select MSB	00H
1	Modulation Wheel	00H (min)...7FH (max)
7	Main Volume	00H (min)...7FH (max)
10	Pan	00H (L)...7FH (R), 5 steps
32	Bank Select LSB	00H (PRESET VOICE), 01H (CUSTOM VOICE)
64	Sustain	00H (off)...7FH
80	Foot Controller	00H (off), any other value (on)
122	Local Control	00H (off), any other value (on)
123	All Notes Off	00H
124	OMNI Mode Off	00H
125	OMNI Mode On	00H

* Pan, local control, all notes off, omni mode off, and omni mode on are not transmitted.

● PROGRAM CHANGE

DATA FORMAT: [CnH] -> [pp]

CnH = Program event [n = channel number)
pp = Program number (00 ... 99)

● PITCH BEND CHANGE

DATA FORMAT: [EnH] -> [LSB] -> [MSB]

EnH = Pitch bend event (n = channel number)

MSB	LSB	
01111111	01111111	: max
:	:	
01000000	00000000	: center
:	:	
00000000	00000000	: min

● TIMING CLOCK

DATA FORMAT: [F8H]

● START

DATA FORMAT: [FAH]

● STOP

DATA FORMAT: [FCH]

● ACTIVE SENSING

DATA FORMAT: [FEH]

● SYSTEM EXCLUSIVE MESSAGES

(1) BULK DUMP REQUEST (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
0010nnnn	2nH	Substatus/n : Device Number
00001010	0AH	Format Number
11110111	F7H	EOX

(2) BULK DUMP DATA

11110000	F0H	Status
01000011	43H	YAMAHA ID
0000nnnn	0nH	Substatus/n : Device Number
00001010	0AH	Format Number
0nnnnnnn	nn	Byte Count MSB
0nnnnnnn	nn	Byte Count LSB
01010000	50H	Header 'P
01001011	4BH	'K
00100000	20H	'space
00100000	20H	'space
00110010	32H	'2
00110001	32H	'2
00110010	34H	'4
00110101	30H	'0
00100000	20H	space
0nnnnnnn	nn	data number
0ddddddd	dd	
:	:	Data
0ddddddd	dd	
0sssssss	ss	Check-sum
11110111	F7H	EOX

• DATA NUMBER

00H	SYSTEM SET UP DATA
01H	VOICE REGISTRATION DATA
02H	PANEL REGISTRATION DATA
03H	PAD ASSIGN DATA
04H	CUSTOM VOICE DATA
05H...0CH	CUSTOM ACCOMPANIMENT DATA
0DH...1DH	SEQUENCER DATA

(3) PANEL DATA REQUEST (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
0010nnnn	2nH	Substatus/n : Device Number
01111100	7CH	Format Number
11110111	F7H	EOX

(4) PANEL DATA BULK DUMP

11110000	F0H	Status
01000011	43H	YAMAHA ID
0000nnnn	0nH	Substatus/n : Device Number
00001010	0AH	Format Number
0nnnnnnn	nn	Byte Count MSB
0nnnnnnn	nn	Byte Count LSB
01010000	50H	Header 'P
01001011	4BH	'K
00100000	20H	'space
00100000	20H	'space
00110010	32H	'2
00110001	32H	'2
00110010	34H	'4
00110101	30H	'0
00100000	20H	space
00100000	20H	space
0vvvvvvv	vv	Software Version Number
0rrrrrrr	rr	Software Revision Number
0ddddddd	dd	
:	:	Data
0ddddddd	dd	
0sssssss	ss	Check-sum
11110111	F7H	EOX

(5) NAME DATA REQUEST (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
0010nnnn	2nH	Substatus/n : Device Number
01111101	7DH	Format Number
11110111	F7H	EOX

(6) NAME DATA TRANSMISSION (Transmit only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
0000nnnn	0nH	Substatus/n : Device Number
01111101	7DH	Format Number
0nnnnnnn	nn	Byte Count MSB
0nnnnnnn	nn	Byte Count LSB
01010000	50H	Header 'P
01001011	4BH	'K
00100000	20H	'space
00100000	20H	'space
00110010	32H	'2
00110001	32H	'2
00110010	34H	'4
00110101	30H	'0
00100000	20H	space
00100000	20H	space
0vvvvvvv	vv	Software Version Number
0rrrrrrr	rr	Software Revision Number
0ccccccc	cc	
0ccccccc	cc	Condition Data
0ccccccc	cc	
0ccccccc	cc	
0sssssss	ss	Check-sum
11110111	F7H	EOX

(7) Remote Control Mode/Standard Voice Mode Switching

(7-1) REMOTE CONTROL MODE (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00000000	00H	Remote Control Mode
11110111	F7H	EOX

(7-2) Standard Voice MODE (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00000001	01H	Multi-timbre Mode
11110111	F7H	EOX

PSR-6700

(8) CLOCK MODE CHANGE

(8-1) INTERNAL MODE (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110011	73H	Substatus. Section No. 3
00000001	01H	Product ID
00000010	02H	Internal Clock Mode
11110111	F7H	EOX

(8-2) EXTERNAL MODE (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110011	73H	Substatus. Section No. 3
00000001	01H	Product ID
00000011	03H	External Clock Mode
11110111	F7H	EOX

(9) CONTROL/PROGRAM CHANGE CANCEL (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110011	73H	Substatus. Section No. 3
00000001	01H	Product ID
00010000	10H	MIDI NON-SYNC MODE ON
11110111	F7H	EOX

(10) CONTROL CHANGE CANCEL (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00000010	02H	Control Change Off
11110111	F7H	EOX

(11) CONTROL CHANGE ON (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00000011	03H	Control Change On
11110111	F7H	EOX

(12) PROGRAM CHANGE CANCEL (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00000100	04H	Program Change Off
11110111	F7H	EOX

(13) PROGRAM CHANGE ON (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00000101	05H	Program Change On
11110111	F7H	EOX

(14) PITCH BEND CANCEL (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00000110	06H	Pitch Bend Off
11110111	F7H	EOX

(15) PITCH BEND ON (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00000111	07H	Pitch Bend On
11110111	F7H	EOX

(16) SYSTEM EXCLUSIVE CANCEL (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00001000	08H	System Exclusive Off
11110111	F7H	EOX

(17) SYSTEM EXCLUSIVE ON (Receive only)

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000101	05H	
00001001	09H	System Exclusive On
11110111	F7H	EOX

* These commands are received even when system exlusive is cancelled.

● MIDI EXTENDED CONTROL CHANGE

(1) 1 BYTE DATA FORMAT

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus. Section No. 6
00000100	04H	
0gggnnnn	gn	n : Local Device Number
0ccccccc	cc	g + cc : Controller number
0ddddddd	dd	Data
11110111	F7H	EOX

(2) 1 BYTE DATA

g	cc	dd	Parameter
0	00h	0...43	RHYTHM STYLE No.
	01h	00h	ABC OFF
		01h	SINGLE FINGER
		02h	FINGERED CHORD
		03h	MANUAL BASS
	03h	00h	FILL IN OFF
		01h	INTRO./FILL1 ON
		02h	INTRO./FILL2 ON
	04h	0	INTRO./ENDING ON
	05h	0	SYNCHRO START ON
	0Bh	1	ORCHESTRA 1 ORCHESTRATION
		7	ORCHESTRA 1 + ORCHESTRA 2

	8	ORCHESTRA 2 ◀▶ ORCHESTRA 1
0Dh	4	KEY VELOCITY OFF
	5	KEY VELOCITY ON
11h	0...15	PANEL REGISTRATION A1...B8
12h	1	PAD CUSTOM 1
	2	PAD CUSTOM 2
	3	PAD CUSTOM 3
	6	SYNCHRO BREAK OFF
	7	SYNCHRO BREAK ON
17h	0...127	CHORD 1 VOLUME
18h	0...127	BASS VOLUME
19h	0...127	RHYTHM VOLUME
1Ch	0...127	ORCHESTRA 2 VOLUME
1Dh	0...127	CHORD 2 VOLUME
1Eh	0...127	EXP. PEDAL VALUE
1FH	0	VOICE PART SELECT ORCH.1
	1	VOICE PART SELECT ORCH.2
20h	0	HARMONY OFF
	1...16	HARMONY TYPE 1...16
21h	0	KEYBOARD PERC. OFF
	1	KEYBOARD PERC. ON
22h	0	DEMO OFF
	1	DEMO ON
23h	0...9	VOICE REGISTRATION 1...10
24h	0	IA OFF
	1	IA ON
	2	VERSE 1
	3	VERSE 2
	4	CHORUS 1
	5	CHORUS 2
	6	SOLO OFF
	7	SOLO ON
25h	0	EXIT
	1...13	FUNCTION 1...13
26h	0	SEQUENCER REPEAT OFF
	1	SEQUENCER REPEAT ON
	2	SEQUENCER EDIT OFF
	3	SEQUENCER EDIT ON
	4	SEQUENCER DELETE OFF
	5	SEQUENCER DELETE ON
	6	SEQUENCER FF OFF
	7	SEQUENCER FF ON
	8	SEQUENCER REW OFF
	9	SEQUENCER REW ON
	10	SEQUENCER TOP ON
	11	SEQUENCER RECORD OFF
	12	SEQUENCER RECORD ON
27h	0...7	SEQUENCER TRACK 1...8
28h	0	ORCH.2 HOLD OFF
	1	ORCH.2 HOLD ON
29h	0	LCD UP
	1	LCD DOWN
	2	LCD LEFT
	3	LCD RIGHT
2Ah	0	LCD SW 1 OFF
	1	LCD SW 1 ON
	2	LCD SW 2 OFF
	3	LCD SW 2 ON
	4	LCD SW 3 OFF
	5	LCD SW 3 ON
	6	LCD SW 4 OFF
	7	LCD SW 4 ON

(3) 2 BYTE DATA FORMAT

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus
		Section No.=6 (Portable Keyboard)
00000100	04H	
0gggnnnn	gn	n : Local Device Number
0ccccccc	cc	g + cc : Controller number
0ddddddd	dd	Data 1
0ddddddd	dd	Data 2
11110111	F7H	EOX

(4) 2 BYTE DATA

g	cc	dd1	dd2	Parameter
1	00h	40...280		TEMPO VALUE
	01h	0	0...127	PAD 1
		1	0...127	PAD 2
		2	0...127	PAD 3 dd2≠0 : ON
		3	0...127	PAD 4 dd2=0 : OFF
		4	0...127	PAD 5
		5	0...127	PAD 6
		6	0...127	PAD 7
		7	0...127	PAD 8
	02h	0	0...99	ORCH. 2 PRESET VOICE
		1	0...99	ORCH. 2 CUSTOM VOICE
	03h	0	0...99	MANUAL BASS PRESET VOICE
		1	0...99	MANUAL BASS CUSTOM VOICE

(5) 3 BYTE DATA FORMAT

11110000	F0H	Status
01000011	43H	YAMAHA ID
01110110	76H	Substatus
		Section No.=6 (Portable Keyboard)
00000100	04H	
0gggnnnn	gn	n : Local Device Number
0ccccccc	cc	g + cc : Controller number
0ddddddd	dd	Data 1
0ddddddd	dd	Data 2
0ddddddd	dd	Data 3
11110111	F7H	EOX

(6) 3 BYTE DATA

g	cc	dd1	dd2	dd3	Parameter
2	00h	0	0...24	0...9	RHYTHM Reverb
		1	0...24	0...9	ACCOMP. Reverb
		2	0...24	0...9	ORCHESTRA Reverb
2	01h	0	0...7	0...9	ACCOMP. Effect
		1	0...7	0...9	ORCHESTRA Effect

* dd2 : TYPE dd3 : DEPTH

PSR-6700

YAMAHA [Portatone] Date : 03/27 1991
Model PSR-6700 MIDI Implementation Chart Version : 1.0

Function		Transmitted	Recognized	Remarks
Basic	Default	1-16	1-16	memorized
Channel	Changed	1-16	1-16	
Mode	Default	3	1,3	memorized
	Messages	X	OMNI ON/OFF	
	Altered	**********	X	
Note Number		28-103	0-127	
	True voice	**********	22-109	
Velocity	Note on	O 9nH,v=1-127	O v=1-127	
	Note off	X 9nH,v=0	X	
After Touch	Key's	X	X	
	Ch's	X	X	
Pitch Bender		O	O 0-2 semi	7bit resolution
Control Change	0	O	O	Bank Select MSB
	1	O	O	Modulation
	7	O	O	Volume
	10	X	O	Pan
	32	O	O	Bank Select LSB
	64	O	O	Sustain
	80	O	O	Foot Controller
Program Change		O 0-99	O 0-99	
	True #	**********	0-99	
System Exclusive		O	O	
System Common	Song Pos	X	X	
	Song Sel	X	X	
	Tune	X	X	
System Real Time	Clock	O	O	
	Commands	O	O	
Aux Mes-sages	Local ON/OFF	X	O	
	All Notes OFF	X	O (122-125)	
	Active Sense	O	O	
	Reset	X	X	

Notes :

Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO O : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO X : No

■ TEST PROGRAM

A. HOW TO ENTER THE TEST PROGRAM

While pressing the [PANEL REGISTRATION 8] and [EFFECT ACCOMP.] switches, turn on the power of the PSR-6700. The PSR-6700 will indicate that you have entered the test program by displaying the following message.

```
MENU 00->22 TestPrg.
99:Exit 88:FactrySet
```

The numeric keys 0 through 9 of the [BANK] and [NUMBER] can be used to enter a two-digit number to directly select a test. For example, if you would like to select test 6, press [BANK 0], then press [NUMBER 6]. Then the test will start in succession from test 6.
If you enter the test number 88, the PSR-6700 will execute test 88, "88. Factory settings", and then automatically exit the test mode and return to play mode. If you select test 99, you will exit the test mode and return to play mode. This test program has not the discontinuance function during test, if you would like to abort the test, turn off the power. At this time, you have to enter the test program mode again and perform "test 88. Factory settings" to initialize the illegal data stored in RAM.

TEST 0. VERSION DISPLAY MODE

In order to verify the ROM versions of the PSR-6700, you may want to initiate the test 00, "version display mode". When this test is activated, the versions of the program ROM and pattern ROM will be displayed as shown below.

```
00 ROM  Stl1:** Stl2:**
VERSION Prg1:** Prg2:**
```

(**: versions)

TEST END

Press the right [+] key under the LCD to end the test. The PSR-6700 will proceed to the next test automatically.

TEST 1.

Test 1 is not prepared.

TEST 2. LCD-ALL DOTS "ON" TEST

Check that all dots of the LCD change to black (ON).

TEST END

Press the right [+] key under the LCD to end the test. The PSR-6700 will proceed to the next test automatically.

TEST 3. LCD-ALL DOTS "OFF" TEST

Check that all dots of the LCD change to white (OFF).

TEST END

Press the right [+] key under the LCD to end the test. The PSR-6700 will proceed to the next test automatically.

PSR-6700

TEST 4. PANEL SWITCH AND LED ON/OFF TEST

Press the panel switches consecutively from the [EFFECT ACCOMP.] switch to switch [PANEL REGISTRATION 8], according to the order indicated by the LCD.

```
04 SWITCH.LED
Next Switch=000:EF.Accm
```

(e.g. when checking [EFFECT ACCOMP.])

If the switch is OK, a PIANO tone will sound and the LED concerned with the switch will light and you should proceed to test the next switch. If the wrong switch is pressed, the test won't proceed and no sound will be heard. At this time, if the correct switch is pressed, you will then be able to proceed to test the next switch. Then, if the switch [PANEL REGISTRATION 8] is OK, the PIANO tone will not sound.

TEST END

When switch [PANEL REGISTRATION 8] is pressed, the test will end and the PSR-6700 will proceed to the next test automatically.

TEST 5. PITCH BEND WHEEL TEST

```
05 PITCH BEND
Set to max          064
```

According to the target value displayed on the LCD, slowly move the pitch bend wheel. Check that the value changes from 064 to 127 then to 000 and back to 064 (in other words, center to top then to bottom and back to center).

```
05 PITCH BEND
Set to ttt          ***
```

(where ttt = next target value)
(where *** = current pitch bend value)

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 6. MODULATION WHEEL TEST

According to the target value displayed on the LCD, slowly move the modulation wheel. Check that the value changes from 000 to 127 then back down to 000 (in other words, from bottom to top then back to the bottom).

```
06 MODULATION
Set to ttt          ***
```

(where ttt = next target value)
(where *** = current modulation wheel value)

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 7. RHYTHM VOLUME TEST

According to the target value displayed on the LCD, slowly move the rhythm level control. Check that the value changes from 000 to 127 then back down to 000 (in other words, from bottom to top then back to the bottom).

```
07 RHYTHM VOLUME
Set to ttt          ***
```

(where ttt = next target value)
(where *** = current rhythm volume value)

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 8. BASS VOLUME TEST

According to the target value displayed on the LCD, slowly move the bass level control. Check that the value changes from 000 to 127 then back down to 000 (in other words, from bottom to top then back to the bottom).



(where ttt = next target value)
(where *** = current bass volume value)

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 9. CHORD 2 VOLUME TEST

According to the target value displayed on the LCD, slowly move the chord 2 level control. Check that the value changes from 000 to 127 then back down to 000 (in other words, from bottom to top then back to the bottom).



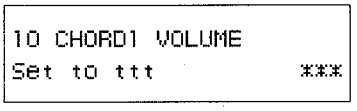
(where ttt = next target value)
(where *** = current chord 2 volume value)

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 10. CHORD 1 VOLUME TEST

According to the target value displayed on the LCD, slowly move the chord 1 level control. Check that the value changes from 000 to 127 then back down to 000 (in other words, from bottom to top then back to the bottom).



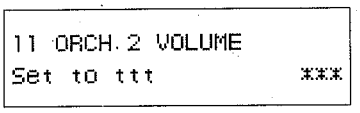
(where ttt = next target value)
(where *** = current chord 1 volume value)

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 11. ORCH. 2 VOLUME TEST

According to the target value displayed on the LCD, slowly move the orch. 2 level control. Check that the value changes from 000 to 127 then back down to 000 (in other words, from bottom to top then back to the bottom).



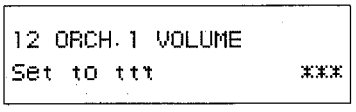
(where ttt = next target value)
(where *** = current orch. 2 volume value)

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 12. ORCH. 1 VOLUME TEST

According to the target value displayed on the LCD, slowly move the orch. 1 level control. Check that the value changes from 000 to 127 then back down to 000 (in other words, from bottom to top then back to the bottom).



(where ttt = next target value)
(where *** = current orch. 1 volume value)

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 13. EXPRESSION PEDAL TEST

Connect a expression pedal and operate it throughout its range. Check that the number on the display changes from 000 to 127 the back down to 000 (in other words, starting from the raised position then to the lowered position and back to the raised position).

```
13 EXPRESSION PEDAL
Set to ttt          ***
```

(where ttt = next target value)
(where *** = current expression pedal value)

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 14. SUSTAIN SWITCH TEST

```
14 SUSTAIN PEDAL
Switch=OFF
```

Connect a sustain switch and press it on and off according to the direction displayed on the LCD.

```
14 SUSTAIN PEDAL
Switch=ON
```

```
14 SUSTAIN PEDAL
Switch=OFF
```

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 15. FOOT SWITCH TEST

```
15 FOOT SWITCH
Switch=OFF
```

Connect a foot switch and press it on and off according to the direction displayed on the LCD.

```
15 FOOT SWITCH
Switch=ON
```

```
15 FOOT SWITCH
Switch=OFF
```

TEST END

If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 16. FLOPPY DISK TEST

Insert a properly fomatted disk with the write protect off and execute the test.

```
16 FLOPPY DISK
now Testing FloppyDisk
```

DISPLAY OF THE RESULT

NG

```
16 FLOPPY DISK
Error number=001
```

ERROR CODE
no. 001: The disk is not correctly inserted into the disk drive.
no. 002: The disk is faulty.
no. 003: The address mark of data cannot be detected.
no. 004: The address mark of ID cannot be detected.
no. 005: The ID number did not match./cylinder address is faulty.
no. 006: The ID number did not match./cylinder address did not match.
no. 007: CRC error in ID
no. 008: CRC error in data
no. 009: DMA data transmission error
no. 010: The disk is write protected.
no. 011: While executing the test, the disk was removed.
no. 012: The loaded data didin't agree with the saved one.
no. 013: File search error

TEST END
If the test is OK, the PSR-6700 will proceed to the next test automatically.

TEST 17. OUTPUT L TEST

```
17NOUT PUT Lch
```

Check that the correct signal is output from AUX. OUT L and PHONES (L) jacks. Insert the appropriate plugs into each output jacks and check AUX. OUT L and PHONES (L) outputs. If necessary, verify the output waveform and output level using a oscilloscope and AC voltmeter (with 12.47 kHz filter). The volume controls must be set at maximum for these checks.

Listed below are the specifications and conditions of each output during test.

AUX. OUT L:	sine wave, 0.0±3dBm	(no load)
AUX. OUT R:	sine wave, less than −50.0dBm	(no load)
PHONES(L):	sine wave, +14.0±3dBm	(no load)
PHONES(R):	sine wave, less than −45.0dBm	(no load)

TEST END
Press the right [+] key under the LCD to end the test. The PSR-6700 will proceed to the next test automatically.

TEST 18. OUTPUT R TEST

```
18NOUT PUT Rch
```

Check that the correct signal is output from AUX. OUT R and PHONES (R) jacks. Insert the appropriate plugs into each output jacks and check AUX. OUT R and PHONES (R) outputs. If necessary, verify the output waveform and output level using the previously specified test equipment (refer to test 17). The volume controls must be set at maximum for these checks.

Listed below are the specifications and conditions of each output during test.

AUX. OUT L:	sine wave, less than −70.0dBm	(no load)
AUX. OUT R:	sine wave, 0.0±3dBm	(no load)
PHONES(L):	sine wave, less than −65.0dBm	(no load)
PHONES(R):	sine wave, +14.0±3dBm	(no load)

When the plug inserted into AUX. OUT R is disconnected, the specifications of AUX. OUT L is as follows:

AUX. OUT L:	sine wave, −6.0±3dBm	(no load)

PSR-6700

TEST END
Press the right [+] key under the LCD to end the test. The PSR-6700 will proceed to the next test automatically.

TEST 19. SOUND OUTPUT (REVERB) TEST

```
19 REVERB
```

Check that the correct signal is output from AUX. OUT L and PHONES (L) jacks. Insert the appropriate plugs into each output jacks and check AUX. OUT L and PHONES (L) outputs. If necessary, verify the output level using the previously specified test equipment (refer to test 17). The volume controls must be set at maximum for these checks.

Listed below are the specifications and conditions of each output during test.

AUX. OUT L:	0.0±3dBm	(no load)
AUX. OUT R:	0.0±3dBm	(no load)
PHONES(L):	+14.0±3dBm	(no load)
PHONES(R):	+14.0±3dBm	(no load)

TEST END
Press the right [+] key under the LCD to end the test. The PSR-6700 will proceed to the next test automatically.

TEST 20. SOUND OUTPUT (EFFECT) TEST

```
20 EFFECT
```

Check that the correct signal is output from AUX. OUT L and PHONES (L) jacks. Insert the appropriate plugs into each output jacks and check AUX. OUT L and PHONES (L) outputs. If necessary, verify the output level using the previously specified test equipment (refer to test 17). The volume controls must be set at maximum for these checks.

Listed below are the specifications and conditions of each output during test.

AUX. OUT L:	−4.0±3dBm	(no load)
AUX. OUT R:	−4.0±3dBm	(no load)
PHONES(L):	+10.0±3dBm	(no load)
PHONES(R):	+10.0±3dBm	(no load)

TEST END
Press the right [+] key under the LCD to end the test. The PSR-6700 will proceed to the next test automatically.

TEST 21. KEYBOARD AUTO SCALING TEST

```
21 AUTO SCALING
Select Voice=
```

Enter a voice number using numeric keys 0 through 9 of the [BANK] and [NUMBER], then the PSR-6700 will begin to scale in succession from key number 000 through 127 automatically.

```
21 AUTO SCALING
Select Voice=      ***
```

(where *** = currently scaled key number)

When the auto scaling is performed successfully, the following message will appear, and you can do test 21 by selecting another voice.

```
21 AUTO SCALING
Select Voice=      127
```

TEST END

Press the right [+] key under the LCD to end the test. The PSR-6700 will display the menu and wait for the entry of a test number.

```
MENU 00->22 TestPrg.
99:Exit 88:FactrySet
```

TEST 88. FACTORY SETTINGS

This test is used to initialize the data.

TEST END

After the factory preset data has been restored, the test will then end. Then the system automatically exit the test mode and return to play mode.

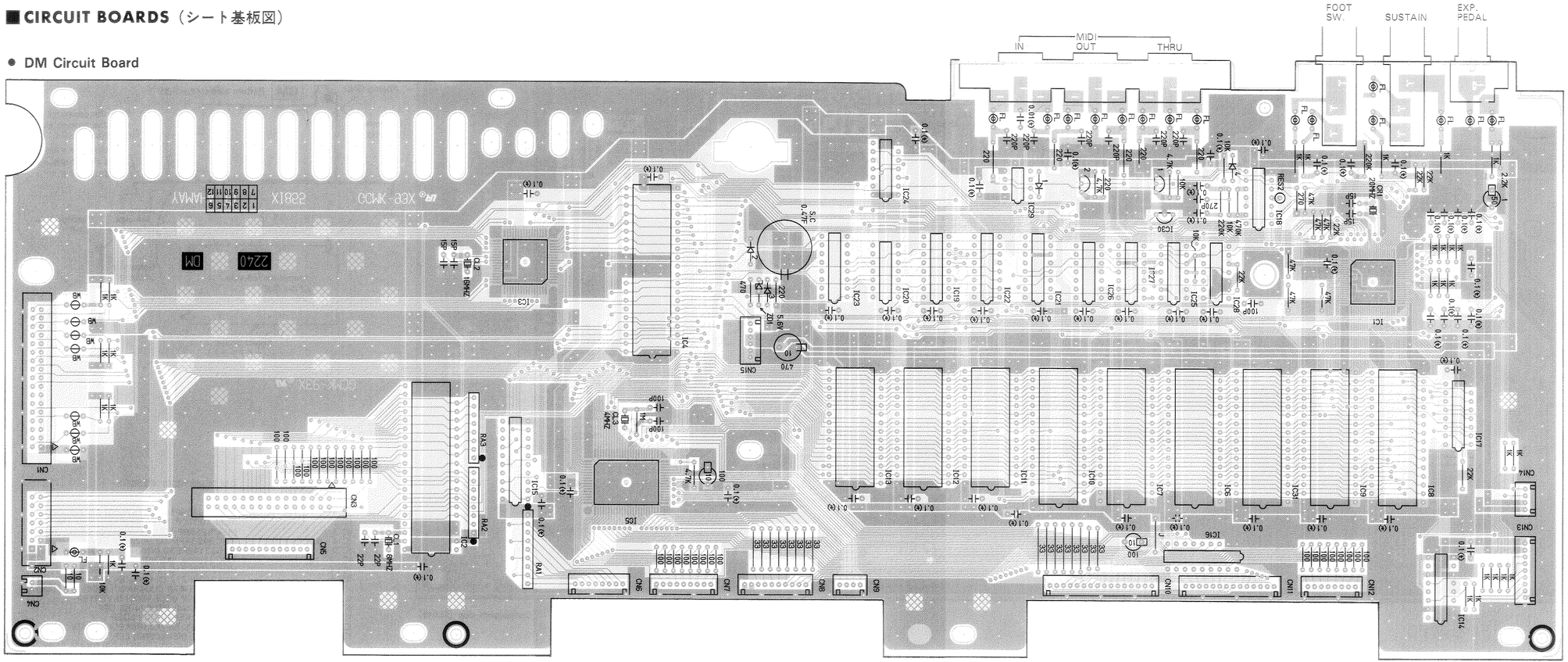
TEST 99. EXIT

When this test is activated, the system automatically exit the test mode and return to play mode.

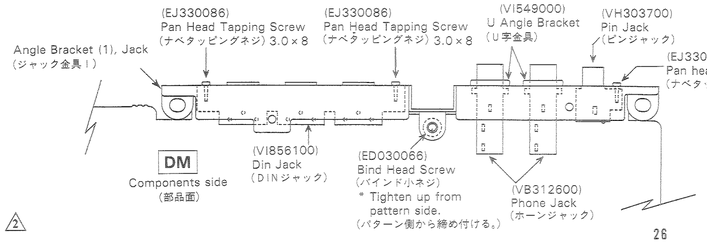
PSR-6700
PSR-6700

■ CIRCUIT BOARDS（シート基板図）

● DM Circuit Board



Components side（部品側）



2NA-VK55020 ⚠2

Notes)

Circuit Board: DM (VK550200) XI855E0

1. IC

IC 1:	HD6435328RA00F (XJ633A00) CPU H8/532	IC17:	TC40H367P (IG107300) BUFFER
IC 2:	HD637B05V0D72P (XI887C00) SCAN CPU OTP	IC18:	TC40H004P (IG051000) INVERTER
IC 3:	HD63266F (XI939A00) FDC	IC19:	TC74HC139AP (IR013900) DECORDER
IC 4:	HD68B44RP (XI940A00) DMAC	IC20:	TC74HC04P (IR000400) INVERTER
IC 5:	LC92018B-500 (XI616A00) LD03 (GATE ARRAY)	IC21～23:	TC74HC138AP (IR013800) DECORDER
IC 6:	LH532HAA (XJ487C00) ROM 2M (PROGRAM1)	IC24:	TC74HC74AP (IR007400) DFF
IC 8:	LH532HA7 (XJ488A00) ROM 2M (PROGRAM2)	IC25:	TC74HC32AP (IR003200) OR
IC 9:	MSM534001A (XJ481C00) ROM 4M (PATTERN2)	IC26:	TC74HC08AP (IR000800) AND
IC10:	TC518128APL-80 (XJ446A00) PSRAM 1M	IC27:	TC74HC00AP (IR000000) NAND
IC11～13:	M5M5256BP-10LL (XI328A00) SRAM 256K	IC28:	TC74HC02AP (IR000200) NOR
IC14:	TC4052BP (XA053A00) MULTIPLEXER	IC30:	PST518A-2 (XC722001) RESET
IC15:	TC40H244P (IG107200) BUFFER DRIVER	IC31:	MSM534001A (XJ483C00) ROM 4M (PATTERN1)

* IC6

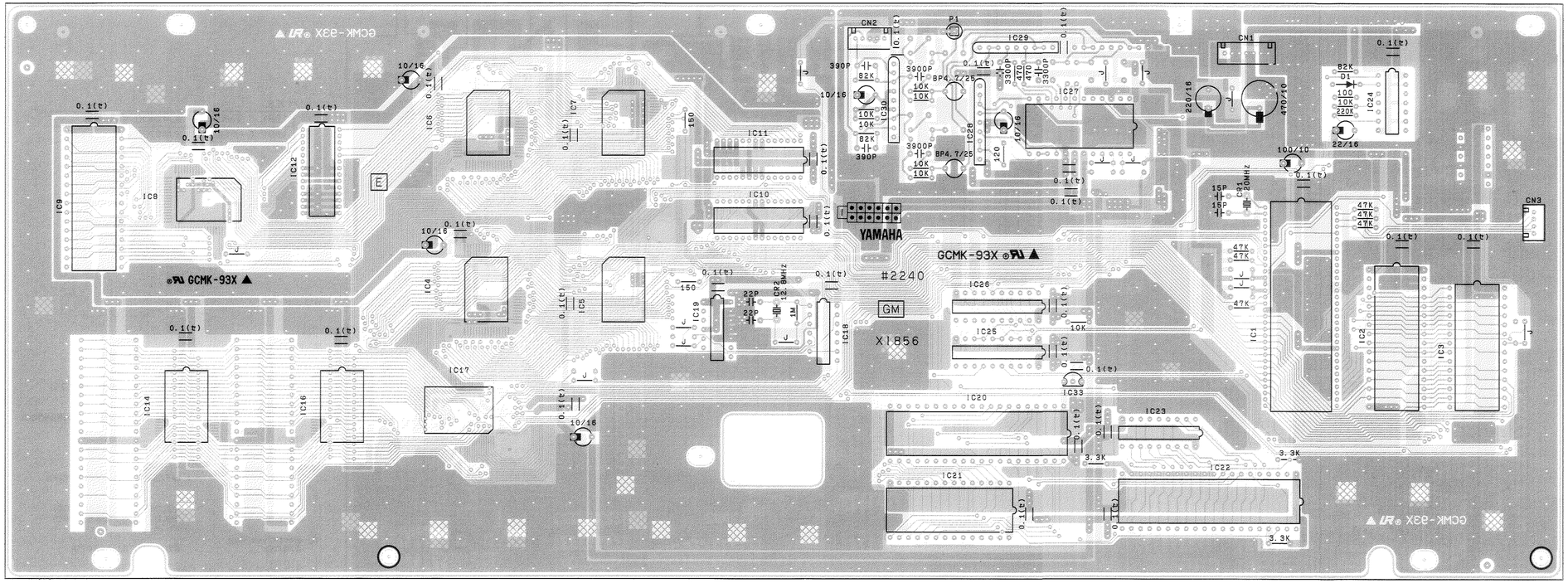
1991. 5 products	XJ484D0, XJ484E0
1991. 6～products	XJ487C0 →service part

2. Photo Coupler
   IC29: 6N137 (VD473200)
3. Transistor
   1,2: 2SC1740S R,S (IC174070)
4. Transistor Array
   IC16: TD62785P SOURCE (VH885000)
5. Diode
   1～4: 1SS133 (IF003460)
6. Zener Diode
   ZD 1: MTZ5.6B 5.6V (VA007600)
7. Resistor Array
   RA 1: RGLD8X473J (VE445600)
   RA 2,3: RGLD7X223J (VK674900)
8. Electrolytic Cap.
   470/10: 470μ 10V (UJ828470)
9. Semiconductive Cera. Cap.
   0.1(セ): 0.1μ 16V M (VH740700) 47pcs
10. Super Cap.
    SC: 0.47F 5.5V (VI054900)
11. Coil
    FL: SBT-0260TF 60μH (VF968800) 16pcs
12. Quartz Crystal Unit
    CR 1: 20MHz AT-49 (VI927300)
13. Ceramic Resonator
    CL 1: 8MHz CSA8.00MT (QU008500)
    CL 2: 16MHz CSA16.00MX243 (VK625900)
    CL 3: 4MHz CSA4.00MG040 (VK636400)
14. Phone Jack
    FOOT SW./SUSTAIN: YKB21-5012 BL (VB312600) 2pcs
15. Pin Jack
    EXP.PEDAL: YKC21-2173 (VH303700)
16. DIN Jack
    MIDI IN,OUT,THRU: 3P YKF51-5049 (VI856100)
17. Ferrite Bead
    WB: BL02RN2-R62T4 (GE300670) 7pcs

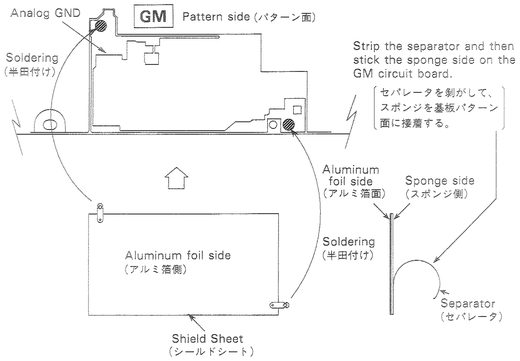
PSR-6700

PSR-6700

● GM Circuit Board



Components side（部品側）



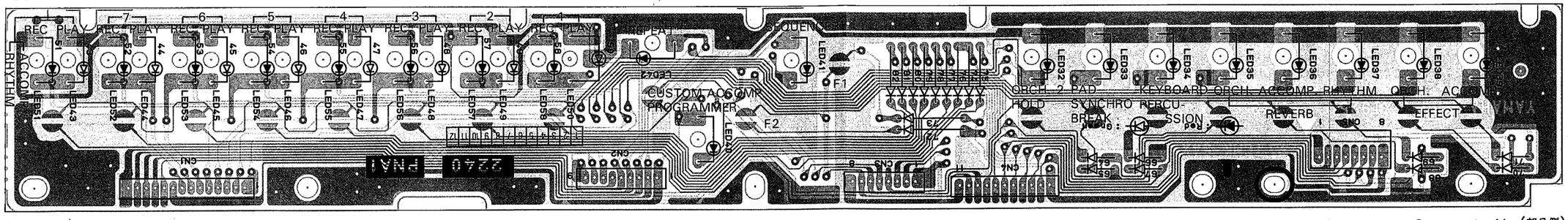
Notes)

	Circuit Board:	GM (VJ887900) XI856E0
1.	IC	
	IC 1:	HD6435208P10 (XJ747B00) SOUND CPU
	IC 2:	TC531001CP-12 (XJ482D00) ROM 1M
	IC 3:	M5M5256BP-10LL (XI328A00) SRAM 256K
	IC 4～8:	TMC3493APH (XF987A00) GEW5
	IC 9:	HN62314BPE32 (XI881C00) ROM 4M
	IC10～12:	TMC3489NL (XE755A00) SFC
	IC14:	HN62408FZ16 (XI879C00) ROM 8M
	IC16:	HN62408FZ17 (XI880C00) ROM 8M
	IC17:	LC92018B-476 (XI045A00) RI54(GATE ARRAY)
	IC18,24:	TC40H004P (IG051000) INVERTER
	IC19:	TC74HC74AP (IR007400) DFF
	IC20:	YM3413 (XE449A00) LDSP
	IC21:	TC51832PL-85 (XJ386A00) PSRAM 256K
	IC22:	YM3415B (XE450B00) LEF
	IC23:	M5M4464AP-10 (XF981A00) DRAM 256K
	IC25,26:	TMC57800N (XG662A00) MIX5
	IC27:	YM3032 (XG411A00) DAL3
	IC28～30:	NJM4560S (IG121800) OP AMP.
	IC33:	PST518A-2 (XC722001) RESET IC
2.	Diode	
	D 1:	1SS133 (IF003460)
3.	Electrolytic Cap.	
	470/10:	470μ 10V (UJ828470)
4.	Quartz Crystal Unit	
	CR 1:	20MHz AT-49 (VI927300)
	CR 2:	12.8MHz AT-49 (VI460600)

PSR-6700

• PNA Circuit Boards

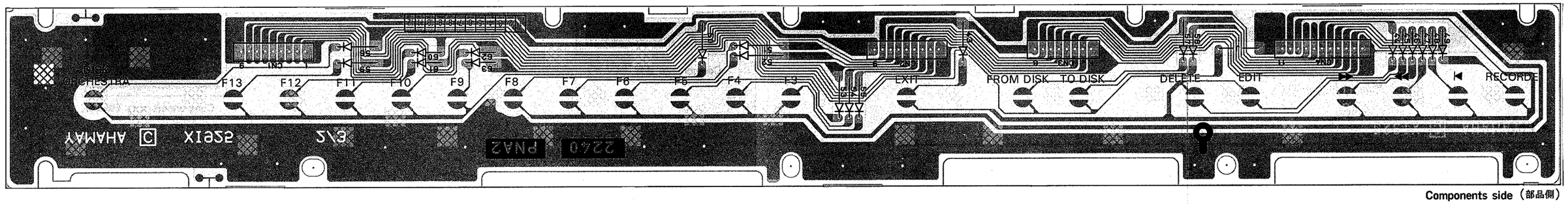
• PNA1



: red
: green

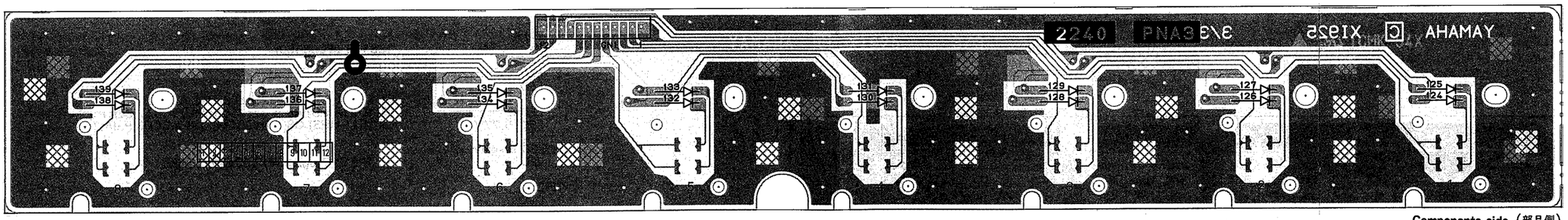
Components side（部品側）

• PNA2



Components side（部品側）

• PNA3



Components side（部品側）

Percussion pads

Notes)

Circuit Board: PNA (VK700600) XI925C0

<PNA1>
1. Diode
   64 ~ 82: 1SS133 (IF003460)
2. LED
   LED32 ~ 42, 51 ~ 58: LT-1D21A(HD) RE (VB254500)
   LED43 ~ 50: LT-1E21A(EG) GR (VE234500)

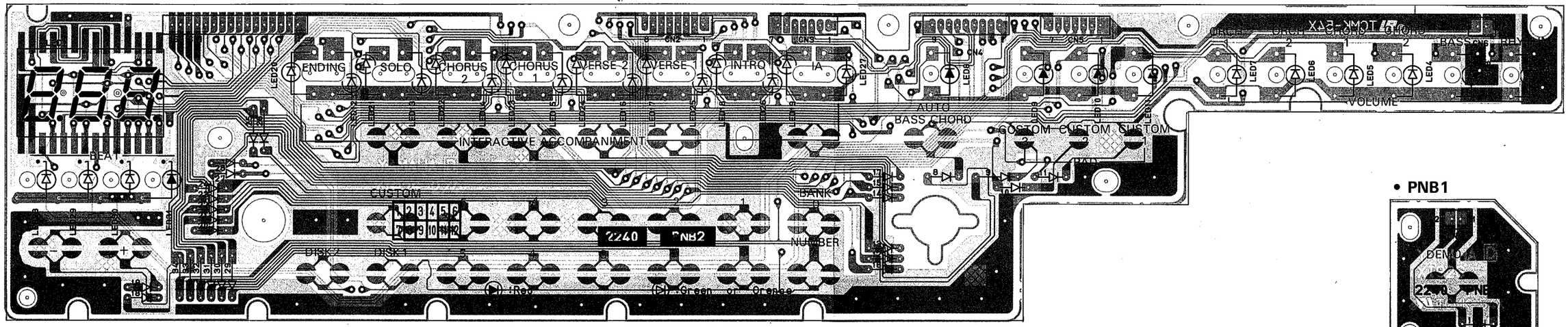
<PNA2>
1. Diode
   43 ~ 63: 1SS133 (IF003460)

<PNA3>
1. Diode
   124 ~ 139: 1SS133 (IF003460)

PSR-6700

• PNB Circuit Boards

• PNB2

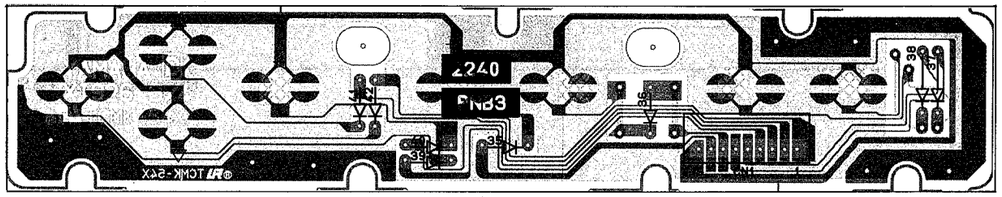


Components side（部品側）

• PNB1

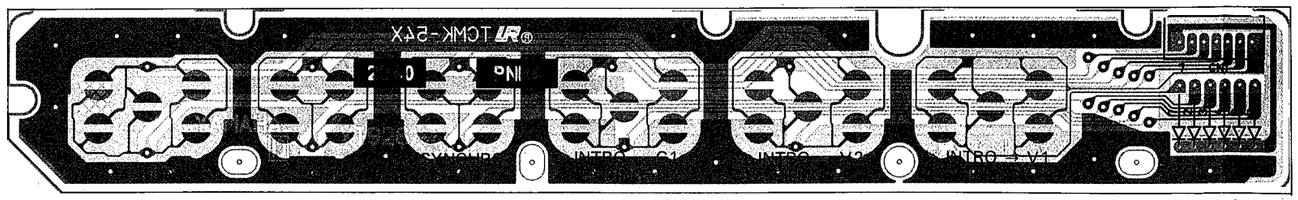
Components side（部品側）

• PNB3



Components side（部品側）

• PNB4



Components side（部品側）

Notes)

Circuit Board: PNB (VK700700) XI926D0

<PNB1>
1. Diode
   1: 1SS133 (IF003460)

<PNB2>
1. Diode
   8～34: 1SS133 (IF003460)

2. LED
   LED 2～7,12～18
   20～26,28～30: LT-1E21A(EG) GR (VE234500) VOL,ACCOMP.,BEAT
   LED 8～11,31: LT-1D21A(HD) RE (VB254500) PAD,A.B.C.,BEAT
   LED19,27: LT-1S11A(HS) OR (VK693200) INT.ACCOMP.(IA)

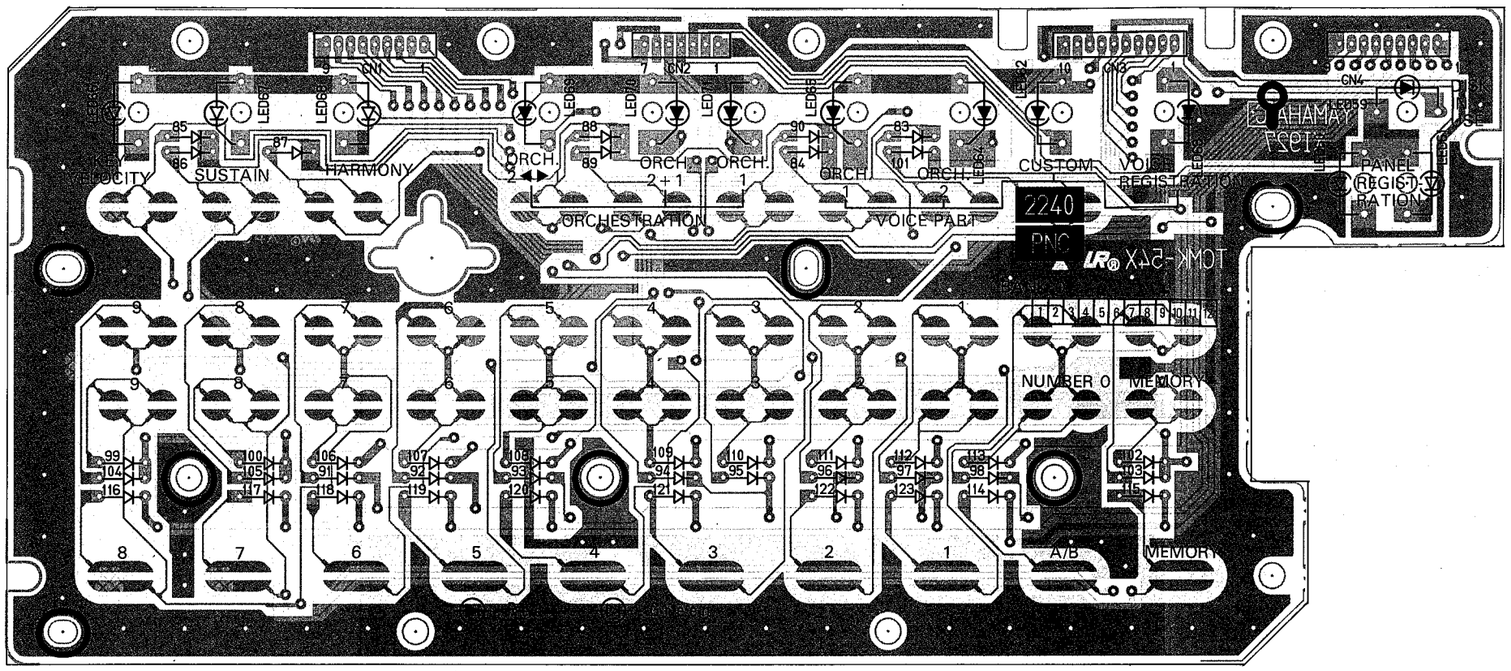
3. LED Display
   LED 1: GL-7P310 7segX3 (VK693400) Tempo

<PNB3>
1. Diode
   35～42: 1SS133 (IF003460)

<PNB4>
1. Diode
   2～7: 1SS133 (IF003460)

PSR-6700

● PNC Circuit Board



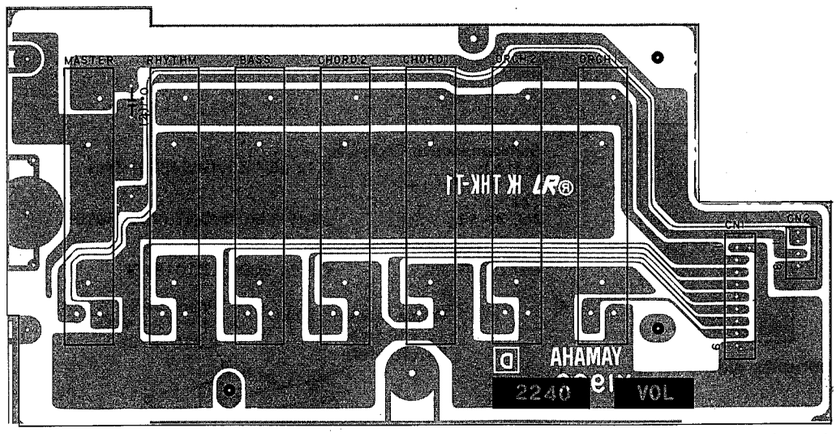
Components side（部品側）

Notes)

Circuit Board: PNC (VK701800) XI927C0

1. Diode
   ⊣◊⊢ 83～123: 1SS133 (IF003460)
2. LED
   LED59,62～65, 69～71: LT-1D21A(HD) RE (VB254500)
   LED60,61,66～68: LT-1E21A(EG) GR (VE234500)

● VOL Circuit Board



Components side（部品側）

Notes)

Circuit Board: VOL (VK701900) XI928D0

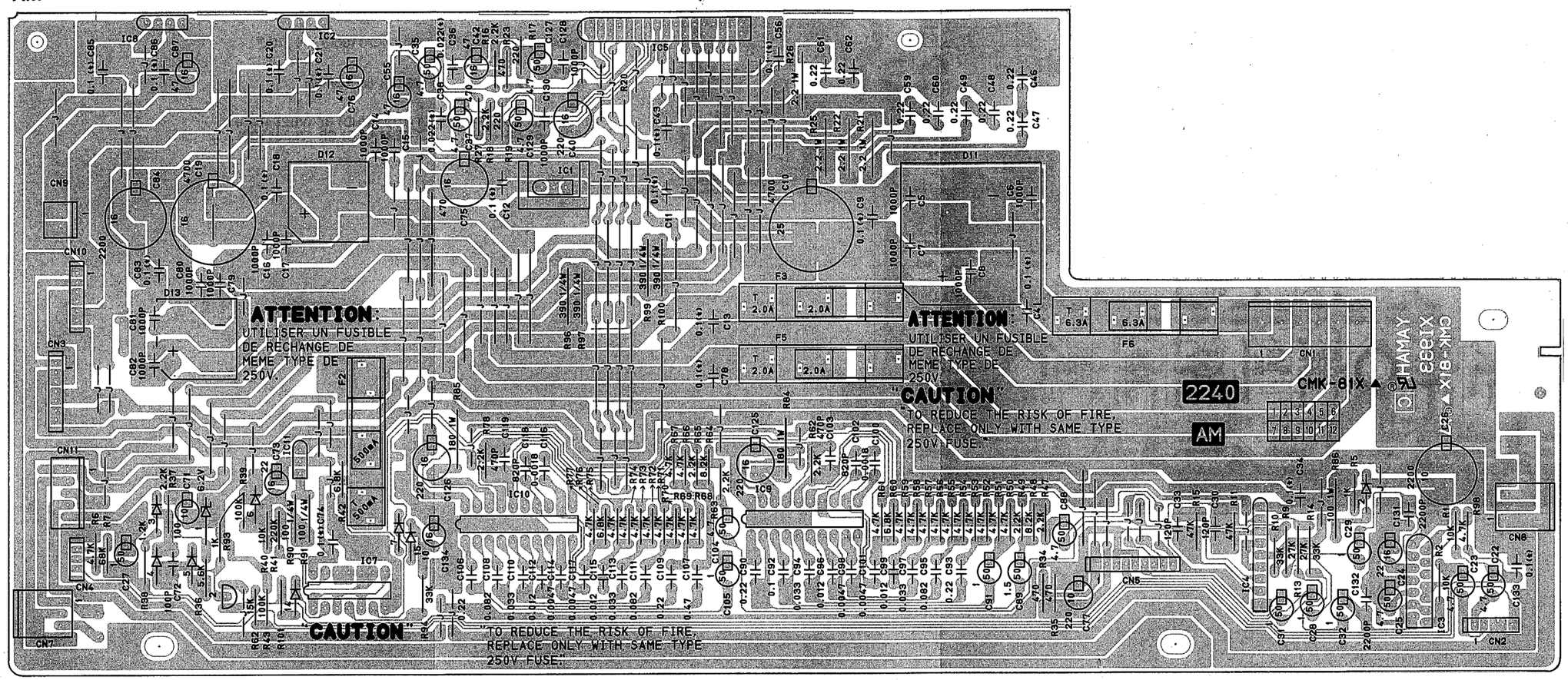
1. Slide Pot.
   ORCH1・2,CHORD1・2,
   BASS,RHYTHM,
   MASTER: B 10K RS30111A9 (VK368700) 7pcs
2. Semiconductive Cera. Cap.
   0.1 (±): 0.1μ 25V Z (VC694800)

PNC: 2NA-VK70180 ⓪
VOL: 2NA-VK70190 ①

PSR-6700

● AM Circuit Boards

AM

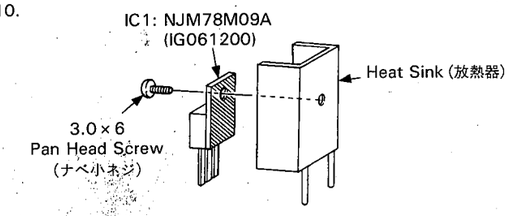


Components side (部品側)

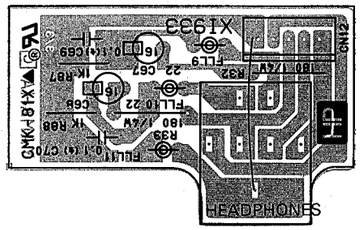
Notes)

Circuit Board: AM (VJ860700) XI933C0 (J,U,C,V)
AM (VJ860900) XI933C0 (E,B,A,W)

<AM>

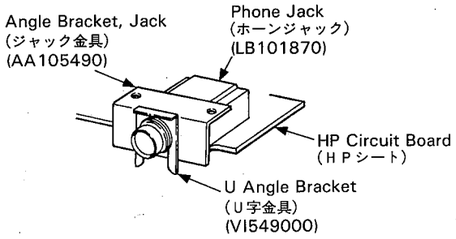
1. IC
   - IC 1: NJM78M09A (IG061200) REGULATOR 9V 0.5A
   - IC 2: PQ05RF2 (XH672A00) REGULATOR 5V 2A
   - IC 3: M51132L (XE470001) VCA
   - IC 4: μPC4570HA (XB247A00) OP AMP.
   - IC 5: TA8210AL (XJ063A00) AMP. 22W 2CH
   - IC 7: TC4069UBP (IG001720) INVERTER
   - IC 8: PQ05RF1 (XI124A00) REGULATOR 5V 1A
   - IC 9,10: M5229P (XG203A00) GRAPHIC EQ.
   - IC11: PST518A-2 (XC722001) RESET
2. Transistor
   - 2: 2SC2603 E,F (IC260320)
3. Diode
   - 2~6,15: 1SS133 (IF003460)
4. Diode Stack
   - D11: D5FB20 5.0A 200V (IH001370)
   - D12,13: S4VB20 2.6A 200V (IH001210)
5. Zener Diode
   - 1: MTZ6.2B 6.2V (IX608020)
6. Metal Oxide Film Resistor
   - R21,22,25,26: 2.2Ω 1W J (VC740900)
   - R84,85: 180Ω 1W J (VC745600)
   - R86: 100Ω 1W J (VC745000)
7. Electrolytic Cap.
   - C10: 4700μ 25V (VK373000)
   - C19: 4700μ 16V (VL288500)
   - C26: 2200μ 10V (UJ729220)
   - C75: 470μ 16V M (UJ838470)
   - C84: 2200μ 16V (VK290000)
8. Semiconductive Cera. Cap.
   - 0.1(セ): 0.1μ 25V Z (VC694800) 17pcs
9. Fuse
   - F 2 (J,U,C,V): T 500mA 250V (KB001150)
   - (E,B,A,W): T500mA 250V S (KB000710)
   - F 3,5 (J,U,C,V): T 2A 250V (VD235500)
   - (E,B,A,W): T2A 250V S (KB000750)
   - F 6 (J,U,C,V): T 6.3A 250V (VD284600)
   - (E,B,A,W): T6.3A 250V S (KB001760)
10. 

HP



Components side (部品側)

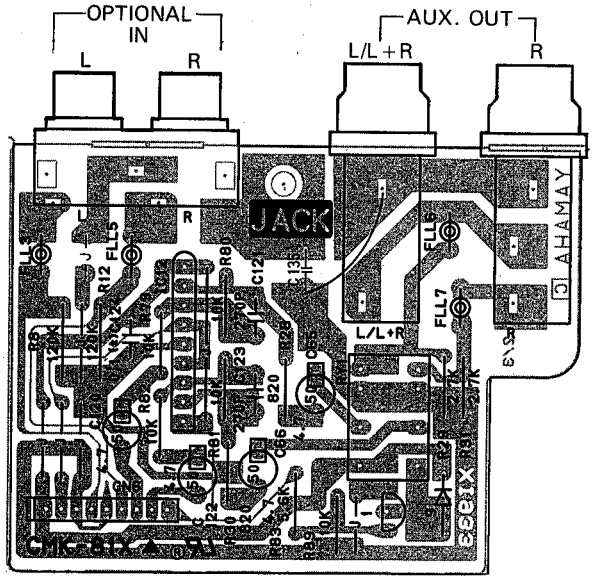
<HP>

1. Semiconductive Cera. Cap.
   - 0.1(セ): 0.1μ 25V Z (VC694800) 2pcs
2. Coil
   - FLL 9~11: 20μH FL5R200QNT (VB835000)
3. Phone Jack
   - HEADPHONES: YKB21-5006 (LB101870)
4. 

2NA-VJ86070 2

• AM Circuit Boards

JACK

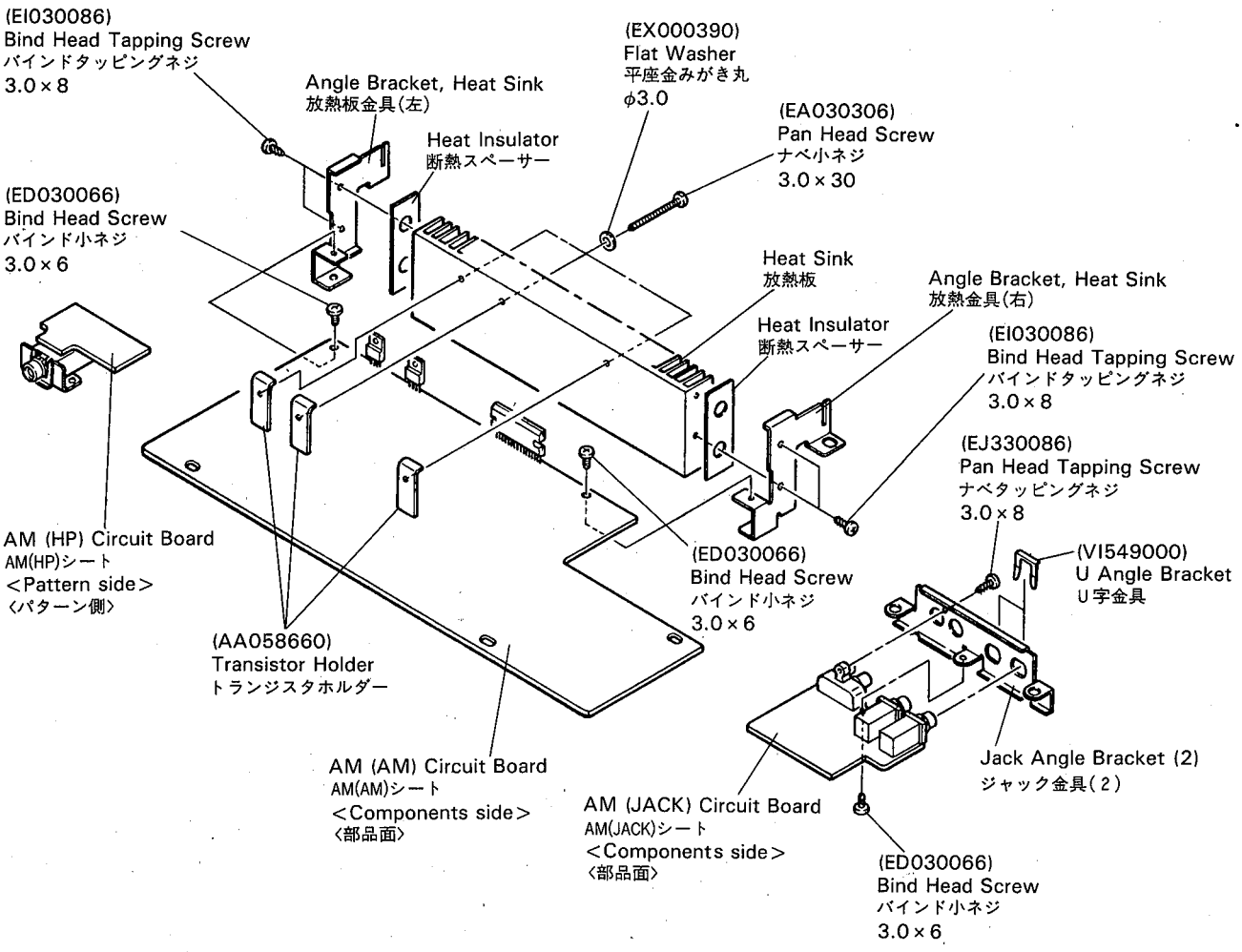


Components side（部品側）

<JACK>

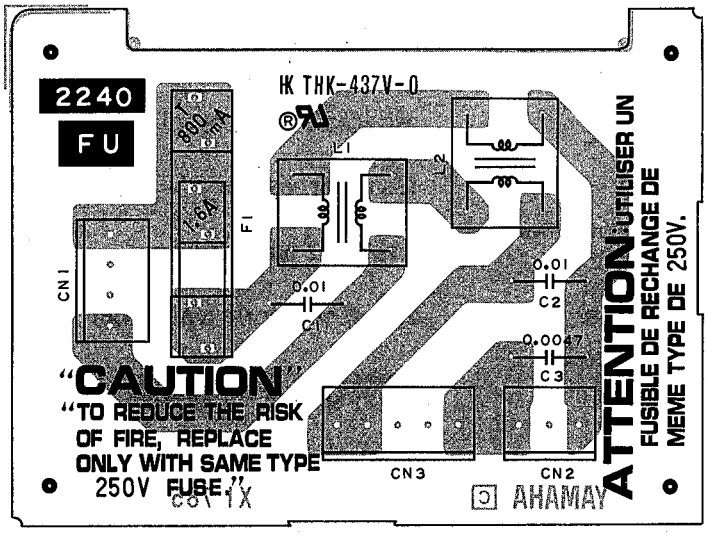
1. IC
   IC12: μPC4570HA (XB247A00) OP AMP.
2. Transistor
   1: 2SC2603 E,F (IC260320)
3. Diode
   9: 1SS133 (IF003460)
4. Semiconductive Cera. Cap.
   0.1(セ): 0.1μ 25V Z (VC694800) 1pc.
5. Coil
   FLL 3~8: 20μH FL5R200QNT (VB835000)
6. Phone Jack
   R: YKB21-5012 BL (VB312600) AUX.OUT(R)
   L/L+R: YKB21-5014 BL (VC687500) AUX.OUT(L/L+R)
7. Pin Jack
   L R: YKC21-0200 (VE052700) OPTIONAL IN(L,R)
8. Relay
   RY 1: DC G5A-237P (VB996300)

• AM Circuit Board Assembly（AMシートAss'y）



PSR-6700

● FU Circuit Board



Components side（部品側）

Notes)

Circuit Board:	FU (VK691700) XI785C0 (J,U,C,V)
Circuit Board:	FU (VK691900) XI785C0 (E,B,A,W)

1. Ceramic Cap.

C 1,2:	0.01μ 400V (FI384100)
C 3:	4700P 400V (FI383470)

2. Coil

L 1:	10μH SU10V-D20010 (VF790900)
L 2:	10mH SU10V-20010 (VD293400)

3. Fuse

F 1 (J,U,C,V):	T 1.6A 250V (VD235300)
(E,B,A,W):	T800mA 250V S (KB002610)

PSR-6700

PORTATONE

PSR-6700

PARTS LIST

■CONTENTS（目次）

ELECTRICAL PARTS（電気部品）…… 1
OVERALL ASSEMBLY（総組立）…… 4
UPPER CASE ASSEMBLY（上ケースAss'y）…… 7
KEYBOARD ASSEMBLY（鍵盤Ass'y）……10
SPEAKER BOX ASSEMBLY（スピーカーボックスAss'y）……11
WHEEL ASSEMBLY（ホイールAss'y）……12
FOOT SWITCH（フットスイッチ）……13
STAND（スタンド）……14

Notes DESTINATION ABBREVIATIONS

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

PSR-6700

■ELECTRICAL PARTS（電気部品）

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
* *		VK550200	Circuit Board	DM	DMシート	PSR6700	54
* *		VJ887900	Circuit Board	GM	GMシート		61
* *		NX005470	Circuit Board	PNA1	PNA1シート		12
* *		NX005480	Circuit Board	PNA2	PNA2シート		10
* *		NX005490	Circuit Board	PNA3	PNA3シート		10
* *		NX005500	Circuit Board	PNB1	PNB1シート		07
* *		NX005510	Circuit Board	PNB2	PNB2シート		12
* *		NX005520	Circuit Board	PNB3	PNB3シート		09
* *		NX005530	Circuit Board	PNB4	PNB4シート		09
* *		VK701800	Circuit Board	PNC	PNCシート		11
*		NX005540	Circuit Board	VOL	VOLシート		10
		NA810850	Circuit Board	MK1	MK1シート		07
		NA810860	Circuit Board	MK2	MK2シート		08
*		NX005450	Circuit Board	FU	FUシート	J,U,C,V	09
*		NX005460	Circuit Board	FU	FUシート	E,B,A,W	09
		--	AM Circuit Board Assembly		AMシート Ass'y		
*		VK550200	Circuit Board	DM	DMシート		54
		IR000000	IC	TC74HC00AP	IC	NAND	03
		IR000200	IC	TC74HC02AP	IC	NOR	03
		IG051000	IC	TC40H004P	IC	INVERTER	03
		IR000400	IC	TC74HC04P	IC	INVERTER	03
		IR000800	IC	TC74HC08AP	IC	AND	03
		IR003200	IC	TC74HC32AP	IC	OR	03
		IR007400	IC	TC74HC74AP	IC	DFF	04
		IR013800	IC	TC74HC138AP	IC	DECORDER-8	05
		IR013900	IC	TC74HC139AP	IC	DECORDER	05
		IG107200	IC	TC40H244P	IC	BUFFER DRIVER	03
		IG107300	IC	TC40H367P	IC	BUFFER	04
		XA053A00	IC	TC4052BP	IC	MULTIPLEXER	03
		XC722001	IC	PST518A-2	IC	RESET IC	03
*		XI616A00	IC	LC92018B-500	IC	LD03(GATE ARRAY	07
* *		XJ633A00	IC	HD6435328RA00F	IC	CPU H8/532	13
* *		XI887C00	IC	HD637B05V0D72P	IC	SCAN CPU·OTP	07
* *		XI939A00	IC	HD63266F	IC	FDC	09
*		XI940A00	IC	HD68B44RP	IC	DMAC	08
		XI328A00	IC	M5M5256BP-10LL	IC	SRAM 256K	13
* *		XJ481C00	IC	MSM534001A-E2RS	IC	ROM 4M(PATTERN2	14
* *		XJ483C00	IC	MSM534001A-E3RS	IC	ROM 4M(PATTERN1	14
* *		XJ487C00	IC	LH532HAA	IC	ROM 2M(PROGRAM1	08
* *		XJ488A00	IC	LH532H7	IC	ROM 2M(PROGRAM2	10
*		XJ446A00	IC	TC518128APL-80	IC	PSRAM 1M	17
		VD473200	Photo Coupler	6N137	フォトカプラ		05
		IC174070	Transistor	2SC1740S R,S	トランジスタ		01
		VH885000	Transistor Array	TD62785P SOURCE	トランジスタアレイ		04
		IF003460	Diode	1SS133	ダイオード		01
		VA007600	Zener Diode	MTZ5.6B 5.6V	ツェナーダイオード		01
		VE445600	Resistor Array	RGLD8X473J	抵抗アレイ		01
*		VK674900	Resistor Array	RGLD7X223J	抵抗アレイ		01
		UJ828470	Electrolytic Cap.	470μ 10V	ケミコン		01
		VH740700	Semiconductive Cera. Cap.	0.1μ 16V M	半導体セラコン		01
		VI054900	Super Cap.	0.47F 5.5V	スーパーキャパシタ		06
		VF968800	Coil	SBT-0260TF	コイル	60μH	01
		VI927300	Quartz Crystal Unit	20MHz AT-49	水晶振動子		03
		QU008500	Ceramic Resonator	CSA8.00MT	セラミック振動子	8MHz	03
* *		VK625900	Ceramic Resonator	CSA16.00MX243	セラミック振動子	16MHz	02
* *		VK636400	Ceramic Resonator	CSA4.00MG040	セラミック振動子	4MHz	01
		VB312600	Phone Jack	YKB21-5012 BL	ホーンジャック(黒)	FOOT SW,SUSTAIN	02
		VH303700	Pin Jack	YKC21-2173	ピンジャック	EXP.PEDAL	01
		VI856100	DIN Jack	3P YKF51-5049	DINジャック	MIDI IN,OUT,THR	03
		GE300670	Ferrite Bead	BL02RN2-R62T4	フェライトビーズ		02
		VI549000	U Angle Bracket	MET41-0191	U字金具	2pcs	01
		--	Angle Bracket (1), Jack		ジャック金具(1)		
		ED030066	Bind Head Screw	3.0×6 ZMC2Y	バインド小ネジ		01
		EJ330086	Pan Head Tapping Screw	3.0×8 ZMC2BL	ナベタッピングネジ	3pcs	01
*		VJ887900	Circuit Board	GM	GMシート		61
		IG121800	IC	NJM4560S	IC	OP AMP.	05
		IG051000	IC	TC40H004P	IC	INVERTER	03
		IR007400	IC	TC74HC74AP	IC	DFF	04
		XC722001	IC	PST518A-2	IC	RESET IC	03
		XI045A00	IC	LC92018B-476	IC	RI54(GATE ARRAY	07
*		XJ747B00	IC	HD6435208P10	IC	SOUND CPU	10
		XE755A00	IC	TMC3489NL	IC	SFC	09
		XF987A00	IC	TMC3493APH	IC	GEW5	10
		XG662A00	IC	TMC57800N	IC	MIX5	07
		XG411A00	IC	YM3032	IC	DAL3	10
		XE449A00	IC	YM3413	IC	LDSP	10
		XE450B00	IC	YM3415B	IC	LEF	09

*New Parts（新規部品）

ランク：Japan only

	Ref. No.	Part No.	Description		部品名	Remarks	ランク
		XI328A00	IC	M5M5256BP-10LL	IC	SRAM 256K	13
*		XJ386A00	IC	TC51832PL-85	IC	PSRAM 256K	09
		XF981A00	IC	M5M4464AP-10	IC	DRAM 256K	08
*		XI879C00	IC	HN62408FZ16	IC	ROM 8M	13
*		XI880C00	IC	HN62408FZ17	IC	ROM 8M	13
*		XI881C00	IC	HN62314BPE32	IC	ROM 4M	10
*		XJ482D00	IC	TC531001CP-12	IC	ROM 1M	07
		IF003460	Diode	1SS133	ダイオード		01
		UJ828470	Electrolytic Cap.	470μ 10V	ケミコン		01
		VI460600	Quartz Crystal Unit	12.8MHz AT-49	水晶振動子		03
		VI927300	Quartz Crystal Unit	20MHz AT-49	水晶振動子		03
		--	Shield Sheet		シールドシート		
*		NX005470	Circuit Board	PNA1	PNA1シート		12
		IF003460	Diode	1SS133	ダイオード		01
		VB254500	LED	LT-1D21A(HD) RE	LED	19pcs	01
		VE234500	LED	LT-1E21A(EG) GR	LED	8pcs	01
*		NX005480	Circuit Board	PNA2	PNA2シート		10
		IF003460	Diode	1SS133	ダイオード		01
*		NX005490	Circuit Board	PNA3	PNA3シート		10
		IF003460	Diode	1SS133	ダイオード		01
*		NX005500	Circuit Board	PNB1	PNB1シート		07
		IF003460	Diode	1SS133	ダイオード		01
*		NX005510	Circuit Board	PNB2	PNB2シート		12
		IF003460	Diode	1SS133	ダイオード		01
		VE234500	LED	LT-1E21A(EG) GR	LED	VOL,ACCOMP,BEAT	01
*		VK693200	LED	LT-1S11A(HS) OR	LED	INT.ACCOMP.(IA)	01
		VB254500	LED	LT-1D21A(HD) RE	LED	PAD,A.B.C.,BEAT	01
*		VK693400	LED Display	GL-7P310 7segX3	LEDディスプレイ	Tempo	06
*		NX005520	Circuit Board	PNB3	PNB3シート		09
		IF003460	Diode	1SS133	ダイオード		01
*		NX005530	Circuit Board	PNB4	PNB4シート		09
		IF003460	Diode	1SS133	ダイオード		01
*		VK701800	Circuit Board	PNC	PNCシート		11
		IF003460	Diode	1SS133	ダイオード		01
		VE234500	LED	LT-1E21A(EG) GR	LED	5pcs	01
		VB254500	LED	LT-1D21A(HD) RE	LED	8pcs	01
*		NX005540	Circuit Board	VOL	VOLシート		10
		VK368700	Slide Pot.	B 10K RS30111A9	スライドボリューム	VOLUME (7pcs)	03
		VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
*		NA810850	Circuit Board	MK1	MK1シート		07
		IF003460	Diode	1SS133	ダイオード		01
*		NA810860	Circuit Board	MK2	MK2シート		08
		IF003460	Diode	1SS133	ダイオード		01
*		NX005450	Circuit Board	FU	FUシート	J,U,C,V	09
*		NX005460	Circuit Board	FU	FUシート	E,B,A,W	09
		FI383470	Ceramic Cap.	4700P 400V	規格認定コン		01
		FI384100	Ceramic Cap.	0.01μ 400V	規格認定コン		01
		VD293400	Coil	SU10V-20010	コイル	10mH	03
		VF790900	Coil	SU10V-D20010	コイル	10μH	03
*		VD235300	Fuse	T 1.6A 250V	ヒューズ	J,U,C,V	02
		KB002610	Fuse	T800mA 250V S	ヒューズ	E,B,A,W	02
		LB201530	Fuse Holder	PC-FH1	ヒューズホルダー		01
		--	AM Circuit Board Assembly		AMシートAss'y		
*		NX005550	Circuit Board	AM	AMシート	J,U,C,V	23
* *		NX005580	Circuit Board	AM	AMシート	E,B,A,W	23
* *		NX005560	Circuit Board	JACK	JACKシート	J,U,C,V	10
* *		NX005590	Circuit Board	JACK	JACKシート	E,B,A,W	10
* *		NX005570	Circuit Board	HP	HPシート	J,U,C,V	10
* *		NX005600	Circuit Board	HP	HPシート	E,B,A,W	10
		AA058660	Holder, Transistor		トランジスタホルダー	3pcs	01
		VI549000	U Angle Bracket	MET41-0191	U字金具	2pcs	01
		--	Angle Bracket (2), Jack		ジャック金具(2)		
		--	Angle Bracket, Heat Sink	Left	放熱板金具(左)		
		--	Angle Bracket, Heat Sink	Right	放熱板金具(右)		
		--	Heat Sink		放熱板		
		--	Heat Insulator		断熱スペーサー	2pcs	

*New Parts (新規部品)

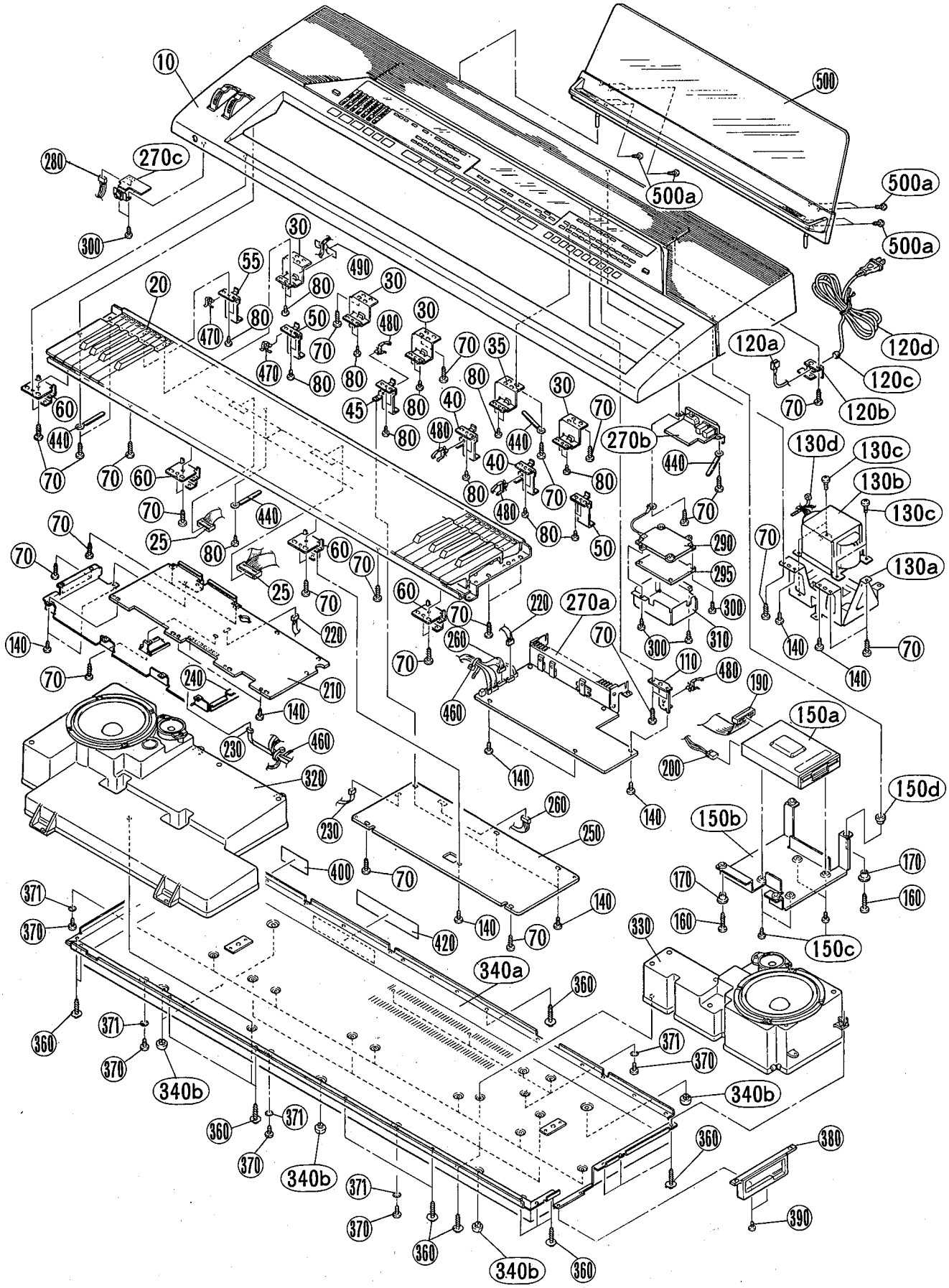
ランク：Japan only

Ref. No.	Part No.	Description		部品名	Remarks	ランク
	ED030066	Bind Head Screw	3.0×6 ZMC2Y	バインド小ネジ	3pcs	01
	EA030306	Pan Head Screw	3.0×30 ZMC2Y	ナベ小ネジ	3pcs	01
	EI030086	Bind Head Tapping Screw	3.0×8 ZMC2Y	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	4pcs	01
	EJ330086	Pan Head Tapping Screw	3.0×8 FCM3BL	ナベタッピングネジ		01
	EX000390	Flat Washer	3.0X8X0.5 ZMC2Y	平座金みがき丸	3pcs	01
*	NX005550	Circuit Board	AM	AMシート	J,U,C,V	23
*	NX005580	Circuit Board	AM	AMシート	E,B,A,W	23
	XB247A00	IC	μPC4570HA	IC	OP AMP.	01
	XE470001	IC	M51132L	IC	VCA	05
*	XG203A00	IC	M5229P	IC	AMP. 7seg.GRAPH	04
	XJ063A00	IC	TA8210AL	IC	AMP. 22W 2CH	07
	IG061200	IC	NJM78M09A	IC	REGU. 9V 0.5A	04
	XH672A00	IC	PQ05RF2	IC	REGULATOR 5V 2A	04
	XI124A00	IC	PQ05RF1	IC	REGULATOR 5V 1A	03
	IG001720	IC	TC4069UBP	IC	INVERTER	03
	XC722001	IC	PST518A-2	IC	RESET	03
	IC260320	Transistor	2SC2603 E,F	トランジスタ		01
	IF003460	Diode	1SS133	ダイオード		01
	IH001210	Diode Stack	S4VB20	ダイオードスタック	2.6A 200V	04
	IH001370	Diode Stack	D5FB20	ダイオードスタック	5.0A 200V	05
	IX608020	Zener Diode	MTZ6.2B 6.2V	ツェナーダイオード		02
*	VC740900	Metal Oxide Film Resistor	2.2Ω 1W J	酸化金属皮膜抵抗		01
*	VC745000	Metal Oxide Film Resistor	100Ω 1W J	酸化金属皮膜抵抗		01
*	VC745600	Metal Oxide Film Resistor	180Ω 1W J	酸化金属皮膜抵抗		01
	UJ838470	Electrolytic Cap.	470μ 16V M	ケミコン		01
	UJ729220	Electrolytic Cap.	2200μ 10V	ケミコン		02
*	VK290000	Electrolytic Cap.	2200μ 16V	ケミコン		02
*	VL288500	Electrolytic Cap.	4700μ 16V	ケミコン		03
*	VK373000	Electrolytic Cap.	4700μ 25V	ケミコン		03
	VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
	KB001150	Fuse	T 500mA 250V	ヒューズ	J,U,C,V	02
	VD235500	Fuse	T 2A 250V	ヒューズ	J,U,C,V (2pcs)	02
*	VD284600	Fuse	T 6.3A 250V	ヒューズ	J,U,C,V	03
	KB000710	Fuse	T500mA 250V S	ヒューズ	E,B,A,W	02
	KB000750	Fuse	T2A 250V S	ヒューズ	E,B,A,W (2pcs)	02
	KB001760	Fuse	T6.3A 250V S	ヒューズ	E,B,A,W	02
	LB201530	Fuse Holder	PC-FH1	ヒューズホルダー	8pcs	01
	--	Heat Sink		放熱器		
	EA030066	Pan Head Screw	3.0×6 ZMC2Y	ナベ小ネジ		01
*	NX005560	Circuit Board	JACK	JACKシート	J,U,C,V	10
*	NX005590	Circuit Board	JACK	JACKシート	E,B,A,W	10
	XB247A00	IC	μPC4570HA	IC	OP AMP.	01
	IC260320	Transistor	2SC2603 E,F	トランジスタ		01
	IF003460	Diode	1SS133	ダイオード		01
	VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
	VB835000	Coil	FL5R200QNT	コイル	20μH	01
	VB312600	Phone Jack	YKB21-5012 BL	ホーンジャック(黒)	AUX.OUT(R)	02
	VC687500	Phone Jack	YKB21-5014 BL	ホーンジャック(黒)	AUX.OUT(L/L+R)	01
	VE052700	Pin Jack	YKC21-0200	ピンジャック	OPTIONAL IN(L,R	01
	VB996300	Relay	DC G5A-237P	リレー		05
*	NX005570	Circuit Board	HP	HPシート	J,U,C,V	10
*	NX005600	Circuit Board	HP	HPシート	E,B,A,W	10
	VC694800	Semiconductive Cera. Cap.	0.1μ 25V Z	半導体セラコン		01
	VB835000	Coil	FL5R200QNT	コイル	20μH	01
	LB101870	Phone Jack	YKB21-5006	ホーンジャック	HEADPHONES	03
	AA105490	Angle Bracket, Jack		ジャック金具		01
	VI549000	U Angle Bracket	MET41-0191	U字金具		01
	HS412160	Variable Resistor	10K K161100S	ロータリーボリューム	P.B./MOD. (2pcs	03
	VJ031600	Floppy Disk Driver	MF353C-152MZ	ﾌﾛｯﾋﾟｰﾃﾞｨｽｸﾄﾞﾗｲﾌﾞ	3.5"	28
*	VK736500	LCD Assembly		LCD Ass'y		22
	KA803210	Push Switch	SDL1P	プッシュスイッチ	POWER	03
*	XJ103A00	Speaker	16.0cm 4Ω	スピーカー	Woofer (2pcs)	10
*	XJ104A00	Speaker	5.0cm	スピーカー	Tweeter (2pcs)	07
*	UK366470	Electrolytic Cap.	4.7μ 50V	BPケミコン	for Speaker(2pc	01
*	XJ067A00	Power Transformer		電源トランス	J	13
*	XJ068A00	Power Transformer		電源トランス	U,C,V	13
*	XJ069A00	Power Transformer		電源トランス	E,B,A,W	14
	VD846400	AC Cord	7A 3.05m	電源コード	J	05
	MG001540	AC Cord	10A 3.05m	電源コード	U,C,V	06
	VD846300	AC Cord	2.5A 3.05m	電源コード	E	05
	VH895700	AC Cord	6A 3.05m	電源コード	B	09
	MG002070	AC Cord	3.5m	電源コード	A	06
	VE430800	AC Cord	3.5A 3.05m	電源コード	W	05

*New Parts (新規部品)

ランク：Japan only

■ OVERALL ASSEMBLY（総組立）



	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			<Overall Assembly>		＜総組立＞	PSR6700	
	10	--	Upper Case Assembly		上ケースAss'y		
*	20	VK434500	Keyboard Assembly	FS E76 K12	鍵盤Ass'y		43
	25	--	Wire Harness, MK		MK束線		
*	30	VJ872600	Angle Bracket (R1), MK	Rear	MK金具(後1)	4pcs	04
*	35	VL134900	Angle Bracket (R1T), MK	Rear (Taping)	MK金具(後1T)		04
*	40	VJ872700	Angle Bracket (R2), MK	Rear	MK金具(後2)	2pcs	04
*	45	VL135000	Angle Bracket (R2T), MK	Rear (Taping)	MK金具(後2T)		04
*	50	VK723600	Angle Bracket (R3), MK	Rear	MK金具(後3)	2pcs	04
*	55	VL135100	Angle Bracket (R3T), MK	Rear (Taping)	MK金具(後3T)		04
*	60	VJ872500	Angle Bracket (F), MK	Front	MK金具(前)	4pcs	03
	70	EI340126	Bind Head Tapping Screw	4.0×12 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	41pcs	01
	80	ED030066	Bind Head Screw	3.0×6 ZMC2Y	バインド小ネジ	23pcs	01
*	110	VK445400	Angle Bracket, AM P.C.B.		AMシート金具		04
	120	--	AC Cord Assembly		電源コードAss'y		
	120a	LB015040	Connector Housing	VH 4P	コネクターハウジング		01
*	120b	VJ872800	AC Cord Holder		ACコード金具		04
	120c	CB032840	Cord Strain Relief	SR-5N-4	コードストッパー	J,U,C,V,W	01
	120c	CB072750	Cord Strain Relief	SR-4N-4	コードストッパー	E,B,A	01
	120d	VD846400	AC Cord	7A 3.05m	電源コード	J	05
	120d	MG001540	AC Cord	10A 3.05m	電源コード	U,C,V	06
	120d	VD846300	AC Cord	2.5A 3.05m	電源コード	E	05
	120d	VH895700	AC Cord	6A 3.05m	電源コード	B	09
	120d	MG002070	AC Cord	3.5m	電源コード	A	06
	120d	VE430800	AC Cord	3.5A 3.05m	電源コード	W	05
	130	--	Power Transformer Assembly		トランス金具Ass'y		
*	130a	VJ884500	Angle Bracket, P.T.		トランス金具		07
*	130b	XJ067A00	Power Transformer		電源トランス	J	13
*	130b	XJ068A00	Power Transformer		電源トランス	U,C,V	13
*	130b	XJ069A00	Power Transformer		電源トランス	E,B,A,W	14
	130c	ED040086	Bind Head Screw	4.0×8 ZMC2Y	バインド小ネジ	4pcs	01
	130d	CB069250	Cord Clamper	BK-1	束線止め		01
	140	ED040086	Bind Head Screw	4.0×8 ZMC2Y	バインド小ネジ	19pcs	01
	150	--	FDD Assembly		FDD Ass'y		
	150a	VJ031600	Floppy Disk Driver	MF353C-152MZ	ﾌﾛｯﾋﾟｰﾃﾞｨｽｸﾄﾞﾗｲﾌﾞ	3.5"	28
*	150b	VJ978800	Angle Bracket, FDD		FDD金具		05
	150c	ED030066	Bind Head Screw	3.0×6 ZMC2Y	バインド小ネジ	4pcs	01
	150d	VA121600	Rubber Bushing		ゴムブッシュ	4pcs	01
	160	EI340166	Bind Head Tapping Screw	4.0×16 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	4pcs	01
*	170	VK431100	FDD Spacer		FDDスペーサー	4pcs	01
	190	--	Connector Assembly	FDD 34P	FDD束線34芯		
	200	--	Connetor Assembly	FDD 2P	FDD束線2芯		
*	210	VK550200	Circuit Board	DM	DMシート		54
	220	--	Connector Assembly	6P	ビニール束線6芯		
	230	--	Connector Assembly	4P	ビニール束線4芯		
*	240	VJ872900	Shield Box		シールドボックス		10
*	250	VJ887900	Circuit Board	GM	GMシート		61
	260	--	Connector Assembly	7P	ビニール束線7芯		
	270	--	AM Circuit Board Assembly		AMシートAss'y		
*	270a	NX005550	Circuit Board	AM	AMシート	J,U,C,V	23
*	270a	NX005580	Circuit Board	AM	AMシート	H,B,A,W	23
*	270b	NX005560	Circuit Board	JACK	JACKシート	J,U,C,V	10
*	270b	NX005590	Circuit Board	JACK	JACKシート	H,B,A,W	10
*	270c	NX005570	Circuit Board	HP	HPシート	J,U,C,V	10
*	270c	NX005600	Circuit Board	HP	HPシート	H,B,A,W	10
	280	--	Connector Assembly	HP	HP束線		
*	290	VL510600	FU Case Assembly		FUケースAss'y		06
*	295	NX005450	Circuit Board	FU	FUシート	J,U,C,V	09
*	295	NX005460	Circuit Board	FU	FUシート	E,B,A,W	09
	300	EI030086	Bind Head Tapping Screw	3.0×8 ZMC2Y	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	8pcs	01
*	310	VK482700	Cover, FU Circuit Board		FUカバー		05
	320	--	Speaker Box Assembly (L)	Left	ｽﾋﾟｰｶｰﾎﾞｯｸｽAss'y(左)		
	330	--	Speaker Box Assembly (R)	Right	ｽﾋﾟｰｶｰﾎﾞｯｸｽAss'y(右)		
	340	--	Bottom Case Assembly		ボトムケースAss'y		
*	340a	VL403000	Bottom Case		ボトムケース		
*	340b	VK649700	Foot	#2B91	ゴム足	5pcs	02
*	360	VK649800	Cup Tapping Screw-P	5.0×16 ZMC2BL	カップPタイトネジ	33pcs	01
	370	ED340086	Bind Head Screw	4.0×8 FCM3BL	バインド小ネジ	15pcs	01
	371	EV403046	Toothed Lock Washer	A φ4.0 FCM3BL	歯付座金内歯形	15pcs	01
*	380	VJ979000	Cover, FDD		FDDカバー		04
	390	ED330066	Bind Head Screw	3.0×6 FCM3BL	バインド小ネジ	2pcs	01
	400	--	Name Plate		銘板		
	420	--	Caution Label		注意ラベル		
	440	CB040540	Cord Clamper	S-72B 50mm	束線止め	4pcs	01
	460	CB069250	Cord Clamper	BK-1	束線止め	4pcs	01
	470	--	Mini Clamp	YMC-15-0	ミニクランプ	2pcs	
	480	--	Locking Clamp	LWS-3S V0	ロッキングクランプ	4pcs	
	490	--	Adhesive Tape	12×50	粘着テープ		
*	500	VL287900	Musi Rest Assembly		譜面立て		14

*New Parts (新規部品)

ランク：Japan only

PSR-6700

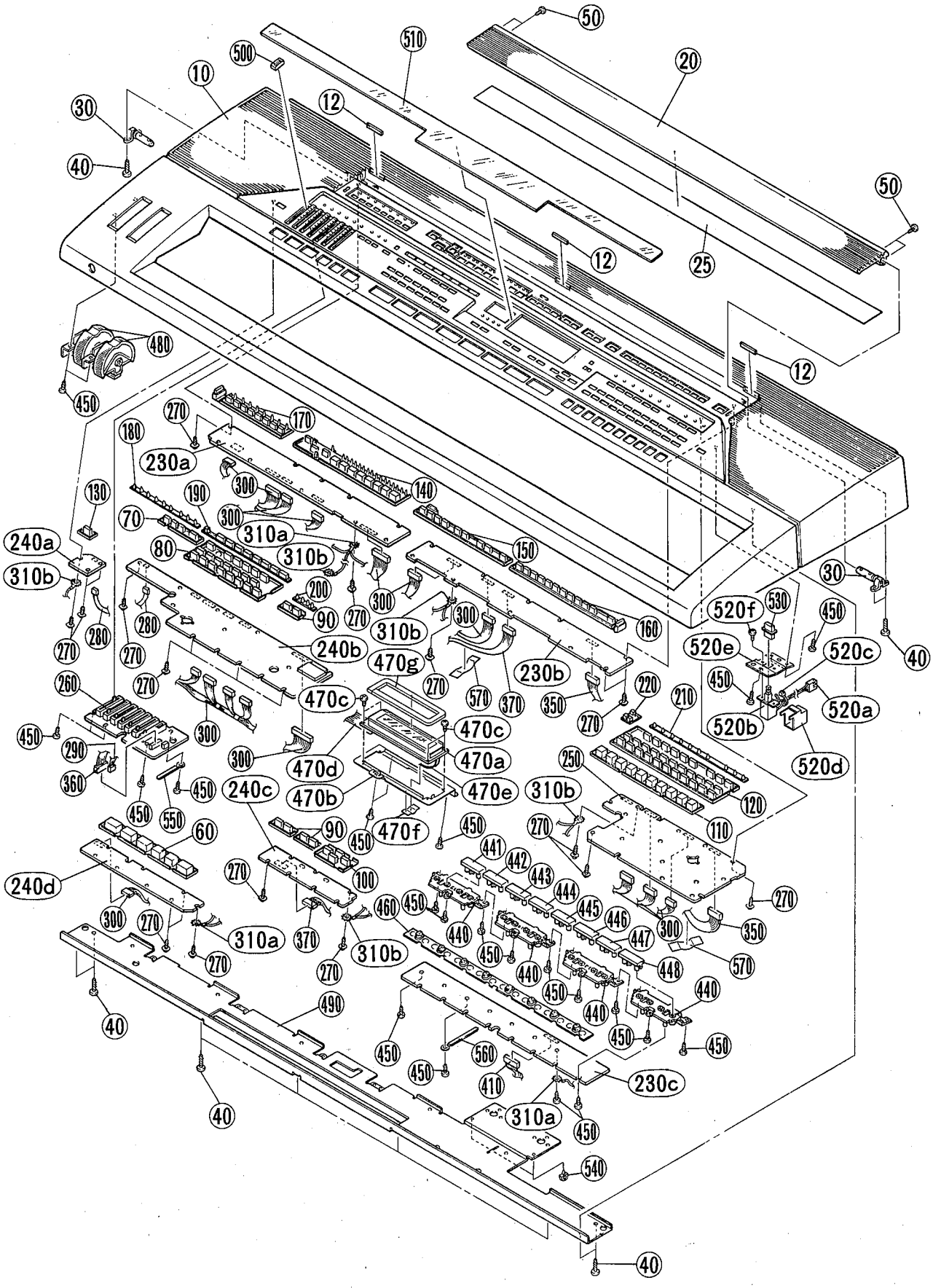
Ref. No.	Part No.	Description		部品名	Remarks	ランク
500a	EI330066	Bind Head Tapping Screw	3.0×6 FCM3BL	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	8pcs	01
		<ACCESSORIES>		<付属品>		
*	VK775200	Floppy Disk	Demo	フロッピーディスク		06
	--	Foot Switch	FC-5	フットスイッチ		
*	VL287900	Music Rest Assembly		譜面立て		14

*New Parts（新規部品）

ランク：Japan only

PSR-6700

■ UPPER CASE ASSEMBLY（上ケースAss'y）



	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			<Upper Case Assembly>		<上ケースAss'y>	PSR6700	
*	10	VK727800	Upper Case Sub-assembly		上ケースサブAss'y		21
*	12	VL297500	Stopper Rubber	BL	ストッパーゴム	3pcs	02
*	20	VJ873300	Panel Switch Cover		隠し蓋		13
*	25	VK727900	Voice List Sheet		音色名シート		06
*	30	VK733000	Torque Shaft Unit		トルク軸ユニット	2pcs	08
	40	EI040126	Bind Head Tapping Screw	4.0×12 ZMC2Y	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	12pcs	01
	50	VE190700	Bonding Tapping Screw-B	3.0×6 FCM3BL	ボンディングBタイト	4pcs	01
*	60	VJ870500	Key Top Rubber (1)	6keys GY,RE	キートップラバー(1)	(INTRO-ENDING)	07
*	70	VJ870600	Key Top Rubber (2)	4keys GY	キートップラバー(2)	(PAD, A.B.C.)	04
*	80	VJ870700	Key Top Rubber (3)	21keys GY	キートップラバー(3)	(STYLE SELECT)	06
*	90	VJ870800	Key Top Rubber (4)	2keys GY	キートップラバー(4)	-,+ 3pcs	04
*	100	VJ870900	Key Top Rubber (5)	4keys GY	キートップラバー(5)	<,△,▽,>	05
*	110	VJ871000	Key Top Rubber (6)	10keys GY,RE	キートップラバー(6)	MEMORY,A/B,1-8	06
*	120	VJ871100	Key Top Rubber (7)	31keys GY,RE	キートップラバー(7)	(VOICE SELECT)	07
*	130	VJ871200	Key Top Rubber (8)	1key GY	キートップラバー(8)	(DEMO)	05
*	140	VJ871300	Key Top Rubber (9)	11keys& lens GY	キートップラバー(9)	(SEQ,CUSTOM ACP	07
*	150	VJ871400	Key Top Rubber (10)	9keys GY,RE	キートップラバー(10)	(REC,REW,FF …)	06
*	160	VJ871500	Key Top Rubber (11)	12keys GY	キートップラバー(11)	F3-F13	06
*	170	VK156000	Key Top Rubber (12)	8keys& lens GY	キートップラバー(12)	(EFF,REV,KBP …	06
*	180	VJ873600	Lens (1)	× 9	レンズ(1)	(VOLUME,PAD)	03
*	190	VJ873700	Lens (2)	× 9	レンズ(2)	(A.B.C.,INT.ACP	04
*	200	VJ873800	Lens (3)	× 4	レンズ(3)	(BEAT)	03
*	210	VJ873900	Lens (4)	×10	レンズ(4)	(V.PART,ORCH.)	04
*	220	VK155900	Lens (5)	× 3	レンズ(5)	(DISK IN, P.REG	03
	230	--	Circuit Board	PNA	PNAシート		
*	230a	NX005470	Circuit Board	PNA1	PNA1シート		12
*	230b	NX005480	Circuit Board	PNA2	PNA2シート		10
*	230c	NX005490	Circuit Board	PNA3	PNA3シート		10
	240	--	Circuit Board	PNB	PNBシート		
*	240a	NX005500	Circuit Board	PNB1	PNB1シート		07
*	240b	NX005510	Circuit Board	PNB2	PNB2シート		12
*	240c	NX005520	Circuit Board	PNB3	PNB3シート		09
*	240d	NX005530	Circuit Board	PNB4	PNB4シート		09
*	250	VK701800	Circuit Board	PNC	PNCシート		11
*	260	NX005540	Circuit Board	VOL	VOLシート		10
*	270	VC081300	Cup Tapping Screw-P	3.0×6 FCM3BL	カッププタイトネジ	63pcs	01
	280	--	Connector Assembly	2P	ビニール束線2芯		
	290	--	Connector Assembly	3P	ビニール束線3芯		
	300	--	Connector Assembly		束線Ass'y		
	310	--	Wire Harness, GND		アース束線		
*	310a	VF976600	Lug Terminal		ラグ端子	3pcs	
	310b	LA003690	Lug Terminal		ラグ端子	6pcs	01
	350	--	Connector Assembly	9P	ビニール束線9芯		
	360	--	Connector Assembly	9P	ビニール束線9芯		
	370	--	Connector Assembly	9P	ビニール束線9芯		
	410	--	Connector Assembly	12P	ビニール束線12芯		
*	440	VK495100	Housing	BL	ハウジング	4pcs	03
*	441	VK761700	Pad (1)	GY	パッド(1)	1	02
*	442	VK761800	Pad (2)	GY	パッド(2)	2	02
*	443	VK761900	Pad (3)	GY	パッド(3)	3	02
*	444	VK762000	Pad (4)	GY	パッド(4)	4	02
*	445	VK762100	Pad (5)	GY	パッド(5)	5	02
*	446	VK762200	Pad (6)	GY	パッド(6)	6	02
*	447	VK762300	Pad (7)	GY	パッド(7)	7	02
*	448	VK762400	Pad (8)	GY	パッド(8)	8	02
	450	EP600280	Bind Head Tapping Screw	3.0×8 ZMC2Y	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	41pcs	01
*	460	VJ871700	Rubber Contact		接点ラバー		06
*	470	VK736500	LCD Assembly		LCD Ass'y		22
	470a	--	LCD	LCM5023-35LY3	液晶ディスプレイ		
	470b	--	Angle Bracket, LCD		LCD金具		
	470c	EA026066	Pan Head Screw	2.6×6 ZMC2Y	ナベ小ネジ	4pcs	01
	470d	--	Connector Assembly	LCD 14P	LCD束線14芯		
	470e	--	Connector Assembly	LCD 2P	LCD束線2芯		
	470f	VA119300	Adhesive Tape	12×25	粘着テープ		01
	470g	--	Dust Proof Sponge	GY T=3.0	防塵スポンジ		
	480	--	Wheel Assembly		ホイールAss'y		
*	490	VJ872100	Warp-proof Plate		反り止め金具		09
*	500	VJ870100	Slide Knob	GY	スライドツマミ	VOLUME (7pcs)	02
*	510	VJ874300	Display Sheet		ディスプレイシート		08
	520	--	Power Switch Assembly		パワースイッチAss'y		
	520a	LB015030	Connector Housing	VH 3P	コネクターハウジング		01
	520b	VD173100	Push Switch	SDDLA1	プッシュスイッチ	POWER	03
	520c	CB069250	Cord Clamper	BK-1	束線止め	3pcs	01
	520d	CB049980	Switch Cover	BL	パワースイッチカバー		01
*	520e	VJ872200	Power Switch Holder		パワースイッチ金具		02
	520f	ED030046	Bind Head Screw	3.0×4 ZMC2Y	バインド小ネジ	2pcs	01
*	530	VJ870200	Push Knob	RE -	プッシュツマミ	POWER	03
	540	--	Mini Clamp	UAMS-05-2	ミニクランプ	2pcs	

*New Parts (新規部品)

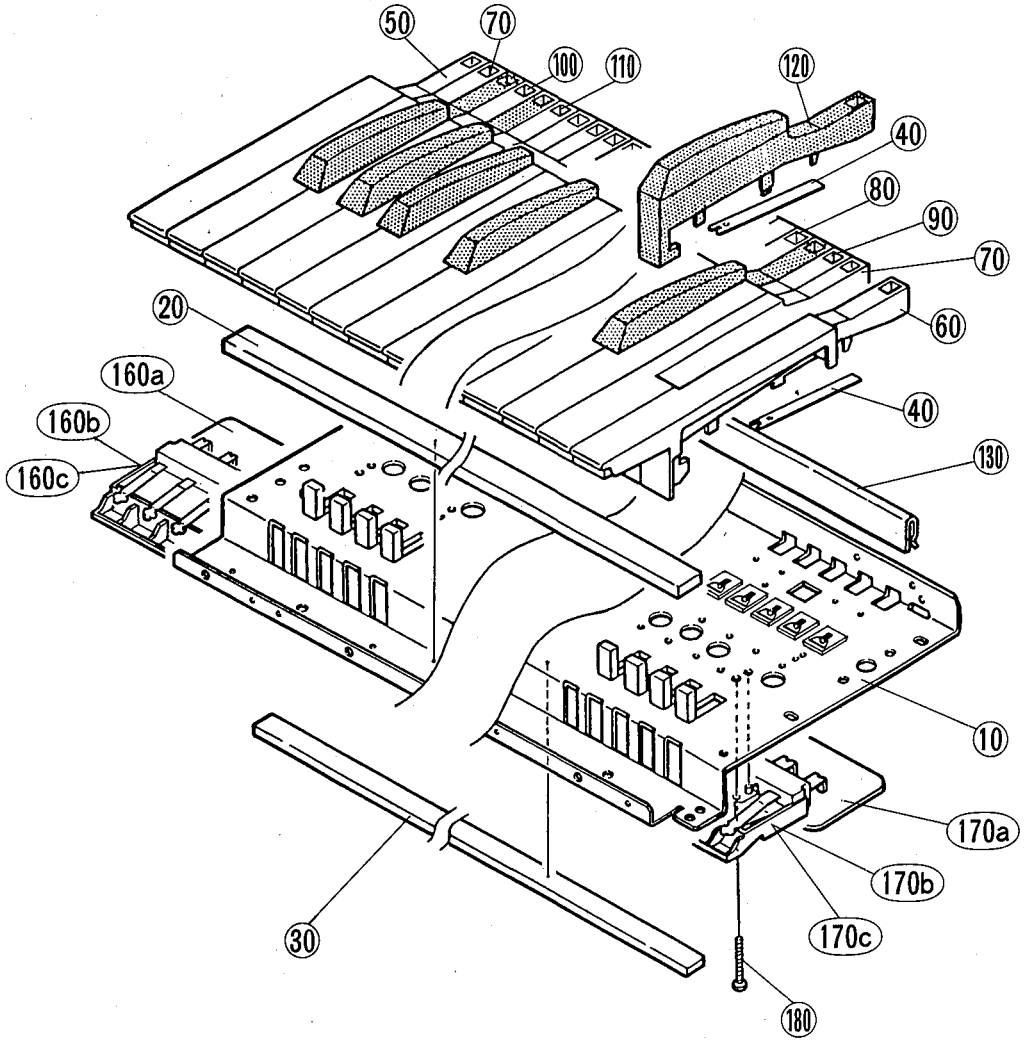
ランク：Japan only

Ref. No.	Part No.	Description		部品名	Remarks	ランク
550	CB040540	Cord Clamper	S-72B L=50mm	束線止め	2pcs	
560	--	Cord Clamper	S-14B-R L=80mm	束線止め(赤)		
570	--	Adhesive Tape	12×50	粘着テープ	3pcs	

* New Parts (新規部品)

ランク : Japan only

■ KEYBOARD ASSEMBLY (鍵盤Ass'y)

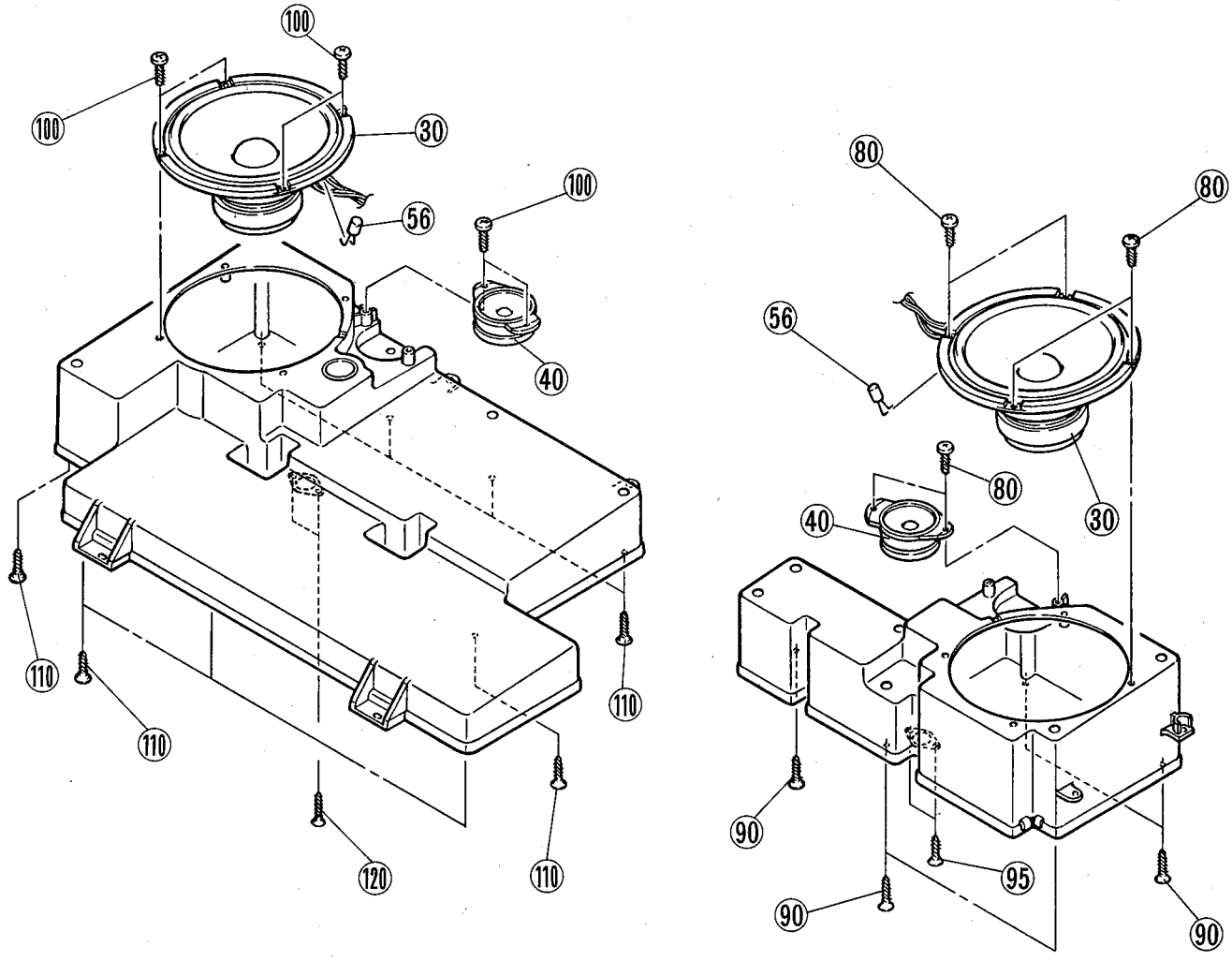


	Ref. No.	Part No.	Description		部品名	Remarks	ランク
*		VK434500	Keyboard Assembly	FS E76 K12	鍵盤Ass'y	PSR6700	43
	10	--	MK Frame	FS E76	MKフレーム		
*	20	VK434600	Felt	1038×14×4.5	フェルト(黒)		06
	30	VK659200	Felt	WH 1027×6×3	フェルト(白)		04
	40	AA055430	Key Spring		鍵バネ	76pcs	02
*	50	CB827320	White Key	E'	白鍵		05
*	60	CB827330	White Key	G'	白鍵		05
	70	CB045690	White Key	C,F	白鍵	13pcs	02
	80	CB045700	White Key	D	白鍵	6pcs	02
	90	CB045710	White Key	B,E	白鍵	12pcs	02
	100	CB045720	White Key	G	白鍵	6pcs	02
	110	CB045730	White Key	A	白鍵	6pcs	02
	120	CB045750	Black Key		黒鍵	31pcs	02
	130	VK325600	Stopper	FS E76	ストッパー		04
	160	NB825940	Key Switch Unit	FS E76	MKスイッチユニット		17
	160a	NA810850	Circuit Board	MK1	MK1シート		07
	160b	NB107130	Key Switch Assembly	9I FS	スイッチAss'y		08
	160c	NB107120	Key Switch Assembly	12Q FS	スイッチAss'y	2pcs	08
	170	NB825950	Key Switch Unit	FS E76	MKスイッチユニット		19
	170a	NA810860	Circuit Board	MK2	MK2シート		08
	170b	NB107120	Key Switch Assembly	12Q FS	スイッチAss'y	3pcs	08
	170c	NB107150	Key Switch Assembly	7G FS	スイッチAss'y		08
	180	ED330166	Bind Head Screw	3.0×16 FCM3BL	バインド小ネジ	20pcs	01

*New Parts (新規部品)

ランク：Japan only

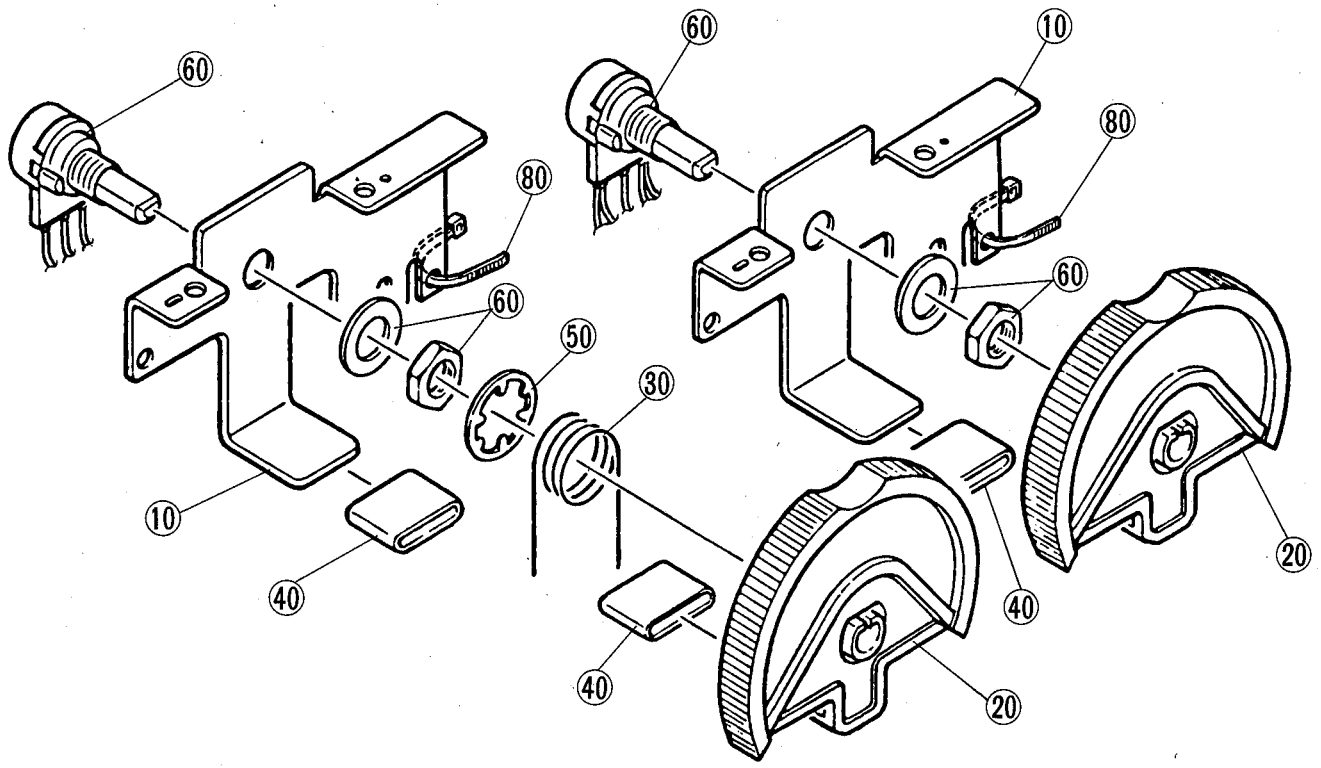
■ SPEAKER BOX ASSEMBLY（スピーカーボックスAss'y）



	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			Speaker Box Assembly (L)	Left	ｽﾋﾟｰｶｰﾎﾞｯｸｽAss'y(左)	PSR6700	
*	30	XJ103A00	Speaker	16.0cm 4Ω	スピーカー	Woofer	10
*	40	XJ104A00	Speaker	5.0cm	スピーカー	Tweeter	07
*	56	UK366470	Electrolytic Cap.	4.7μ 50V	ＢＰケミコン		01
	100	EI040126	Bind Head Tapping Screw	4.0×12 ZMC2Y	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	6pcs	01
	110	E0040166	Flat Head Tapping Screw	4.0×16 ZMC2Y	皿タッピングネジ	9pcs	01
	120	E0330146	Flat Head Tapping Screw	3.0×14 ZMC2BL	皿タッピングネジ	2pcs	01
			Speaker Box Assembly (R)	Right	ｽﾋﾟｰｶｰﾎﾞｯｸｽAss'y(右)		
*	30	XJ103A00	Speaker	16.0cm 4Ω	スピーカー	Woofer	10
*	40	XJ104A00	Speaker	5.0cm	スピーカー	Tweeter	07
*	56	UK366470	Electrolytic Cap.	4.7μ 50V	ＢＰケミコン		01
	80	EI040126	Bind Head Tapping Screw	4.0×12 ZMC2Y	ﾊﾞｲﾝﾄﾞﾀｯﾋﾟﾝｸﾞﾈｼﾞ	6pcs	01
	90	E0040166	Flat Head Tapping Screw	4.0×16 ZMC2Y	皿タッピングネジ	5pcs	01
	95	E0330146	Flat Head Tapping Screw	3.0×14 ZMC2BL	皿タッピングネジ	2pcs	01

*New Parts（新規部品）　　ランク：Japan only

■ WHEEL ASSEMBLY（ホイールAss'y）



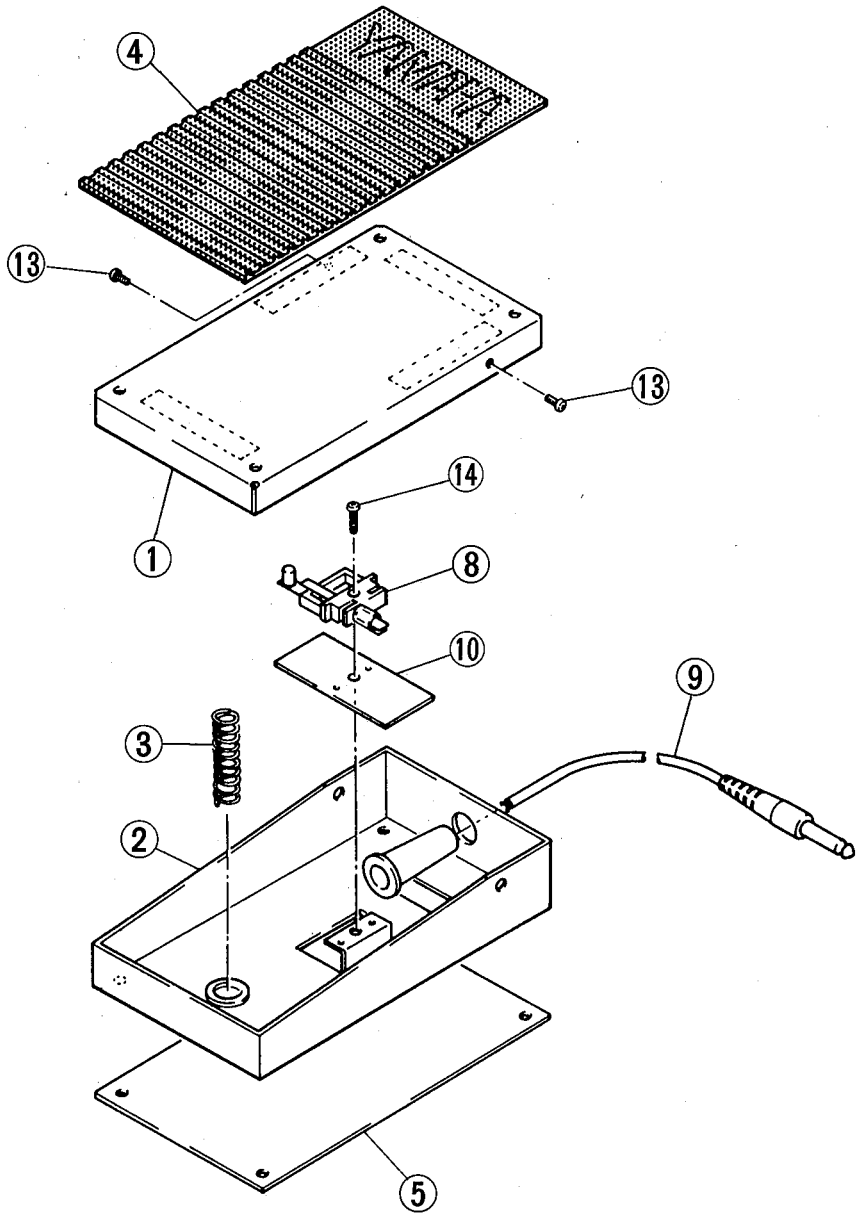
Ref. No.	Part No.	Description		部品名	Remarks	ランク
		Wheel Assembly		ホイールAss'y	PSR6700	
10	VF536800	Frame		フレーム	2pcs	01
20	VF537400	Wheel		ホイール	2pcs	02
30	VC792800	Return Spring		リターンスプリング	PITCH BEND	01
40	CB819020	Wheel Tube		ホイールチューブ	3pcs	02
50	EW600110	Wheel Ring	φ12.0	CS形止め輪	PITCH BEND	01
60	HS412160	Variable Resistor	10K K161100S	ロータリーボリューム	P.B./MOD. (2pcs	03
80	CB069250	Cord Clamper	BK-1	束線止め	2pcs	01

*New Parts（新規部品）

ランク：Japan only

PSR-6700

■FOOT SWITCH（フットスイッチ）FC-5

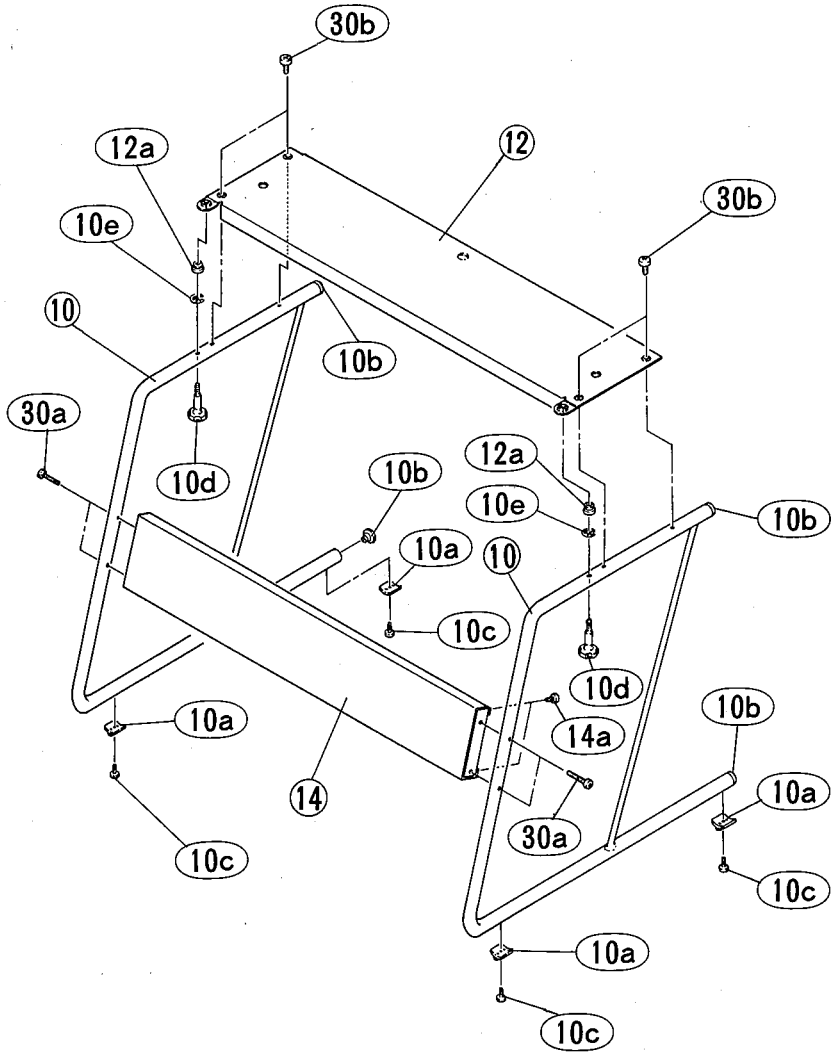


Ref. No.	Part No.	Description		部品名	Remarks	ランク
		Foot Switch	FC-5	フットスイッチ	PSR6700	
1	AA812880	Upper Case, Foot Pedal		ペダル上蓋		03
2	AA812890	Bottom Case, Foot Pedal		ペダル底蓋		03
3	AA812900	Pedal Spring		ペダルバネ		01
4	CB815140	Upper Rubber Mat		上蓋マット		03
5	CB815150	Bottom Rubber Mat		底蓋マット		03
8	NB037130	Switch Assembly		スイッチAss'y		03
9	MI801120	Cord with Phone Plug	1.9m 6.3plug	プラグ付コード		05
10	CA800450	Fiber Washer		ファイバーワッシャー		01
13	EK003520	Bind Head Special Screw	3.0×6 ZMC2BL	段付小ネジ	2pcs	01
14	EA030126	Pan Head Screw	3.0×12 ZMC2Y	ナベ小ネジ		01

*New Parts（新規部品）

ランク：Japan only

■STAND（スタンド）L-5（Option 別売品）

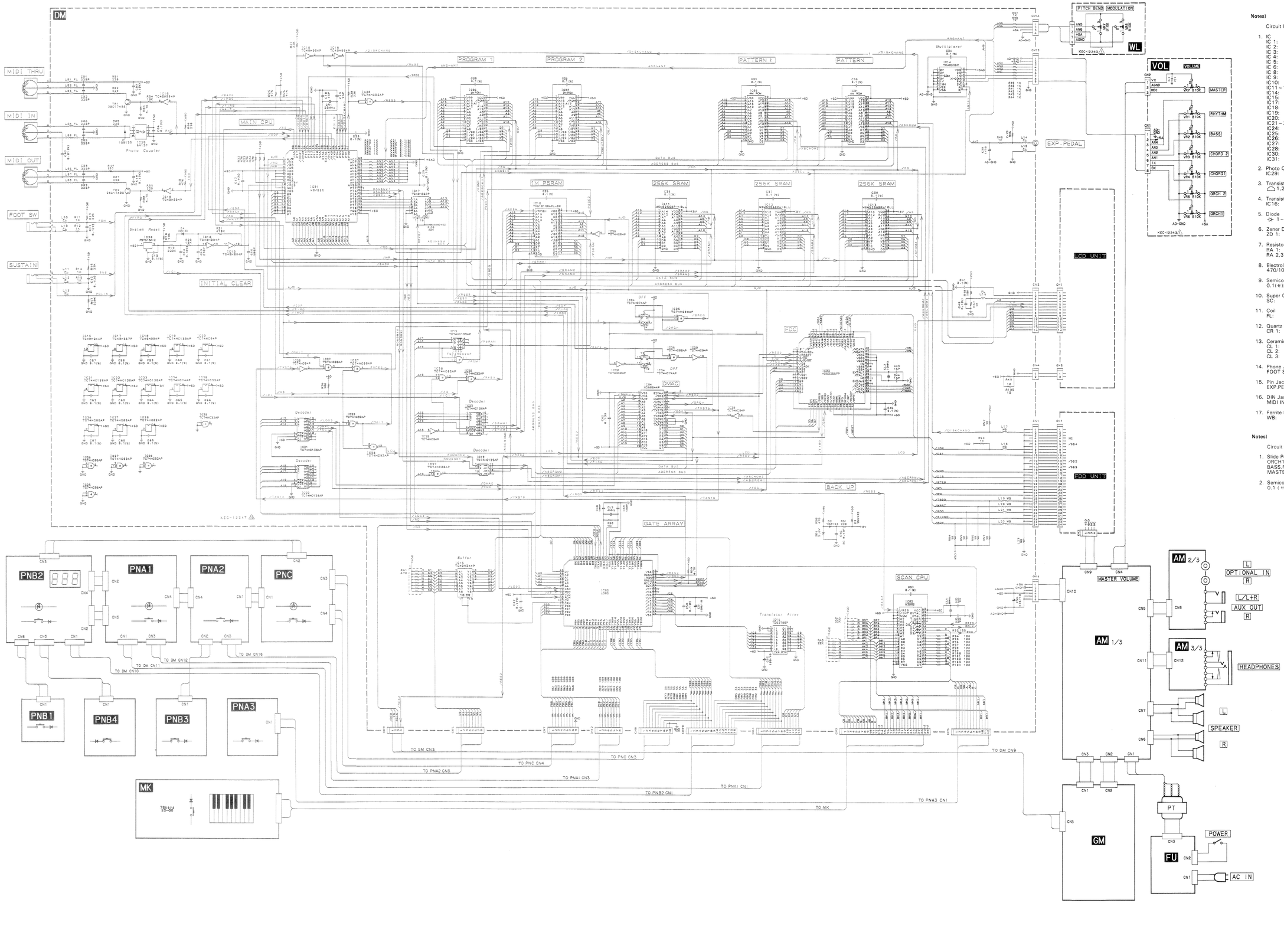


	Ref. No.	Part No.	Description		部品名	Remarks	ランク
			Stand	(L-5)	スタンド	PSR6700	
*	10	VK803400	Leg Assembly		脚Ass'y	2pcs	
	10a	VE159100	Foot	BL	すべり座	4pcs	01
	10b	VE158100	Cap	BL	キャップ	4pcs	01
	10c	ED330086	Bind Head Screw	3.0×8 FCM3BL	バインド小ネジ	4pcs	01
*	10d	VK693500	Knob Bolt	5.0×45 KG-B1	ノブボルト	2pcs	
*	10e	EW600140	E-Ring	φ4.0 ZMC2Y	E形止め輪	2pcs	01
*	12	VK832000	Base Plate Assembly		台座Ass'y		14
*	12a	VL034300	Rubber Spacer		ゴムスペーサー	2pcs	
*	14	VK740600	Name Plate	(YAMAHA)	ネームプレート		
	14a	ED040066	Bind Head Screw	4.0×6 ZMC2Y	バインド小ネジ	4pcs	01
*	30	VK825400	Screw Set		ネジセット		06
	30a	EA350402	Pan Head Screw	5.0×40 FCM3BL	ナベ小ネジ	4pcs	01
	30b	VL182900	Bind Head Screw	5.0×6 ZMC2BL	バインド小ネジ	4pcs	

*New Parts（新規部品）

ランク：Japan only

■ PSR-6700 OVERALL CIRCUIT DIAGRAM 1/3 (DM, VOL, WL)



Notes)

Circuit Board: DM (VK550200) XI855E0

1. IC
   - IC 1: HD6435328RA00F (XJ633A00) CPU H8/532
   - IC 2: HD637B05V0D72P (XI887C00) SCAN CPU OTP
   - IC 3: HD63266F (XI939A00) FDC
   - IC 4: HD6884ARP (XI940A00) DMAC
   - IC 5: LC92018B-500 (XI616A00) LD03 (GATE ARRAY)
   - IC 6: LH532HAA (XJ487C00) ROM 2M (PROGRAM1)
   - IC 8: LH532HA7 (XJ488A00) ROM 2M (PROGRAM2)
   - IC 9: MSM534001A (XJ481C00) ROM 4M (PATTERN2)
   - IC10: TC518128AP,-80 (XJ446A00) PSRAM 1M
   - IC11 ~ 13: M5M5256BP-10LL (XI328A00) SRAM 256K
   - IC14: TC4052BP (XA053A00) MULTIPLEXER
   - IC15: TC40H244P (IIG107200) BUFFER DRIVER
   - IC17: TC40H367P (IIG107300) BUFFER
   - IC18: TC40H004P (IGG51000) INVERTER
   - IC19: TC74HC139AP (IR013900) DECORDER
   - IC20: TC74HC04P (IR000400) INVERTER
   - IC21 ~ 23: TC74HC138AP (IR013800) DECORDER
   - IC24: TC74HC74AP (IR007400) DFF
   - IC25: TC74HC32AP (IR003200) OR
   - IC26: TC74HC08AP (IR000800) AND
   - IC27: TC74HC00AP (IR000000) NAND
   - IC28: TC74HC02AP (IR000200) NOR
   - IC30: PST518A-2 (XC722001) RESET
   - IC31: MSM534001A (XJ483C00) ROM 4M (PATTERN1)
2. Photo Coupler
   - IC29: 6N137 (VD473200)
3. Transistor
   - Q 1,2: 2SC1740S R,S (IC174070)
4. Transistor Array
   - IC16: TD62785P SOURCE (VH885000)
5. Diode
   - D 1 ~ 4: 1SS133 (IF003460)
6. Zener Diode
   - ZD 1: MTZ5.6B 5.6V (VA007600)
7. Resistor Array
   - RA 1: RGLD8X473J (VE445600)
   - RA 2,3: RGLD7X223J (VK674900)
8. Electrolytic Cap.
   - 470/10: 470μ 10V (UJ828470)
9. Semiconductive Cera. Cap.
   - 0.1 (e): 0.1μ 16V M (VH740700) 47pcs
10. Super Cap.
    - SC: 0.47F 5.5V (VI054900)
11. Coil
    - FL: SBT-0260TF 60μH (VF968800) 16pcs
12. Quartz Crystal Unit
    - CR 1: 20MHz AT-49 (VI927300)
13. Ceramic Resonator
    - CL 1: 8MHz CSA8.00MT (QU008500)
    - CL 2: 16MHz CSA16.00MX243 (VK625900)
    - CL 3: 4MHz CSA4.00MG040 (VK636400)
14. Phone Jack
    - FOOT SW./SUSTAIN: YKB21-5012 BL (VB312600) 2pcs
15. Pin Jack
    - EXP.PEDAL: YKC21-2173 (VH303700)
16. DIN Jack
    - MIDI IN,OUT,THRU: 3P YKF51-5049 (VI856100)
17. Ferrite Bead
    - WB: BL02RN2-R62T4 (GE300670) 7pcs

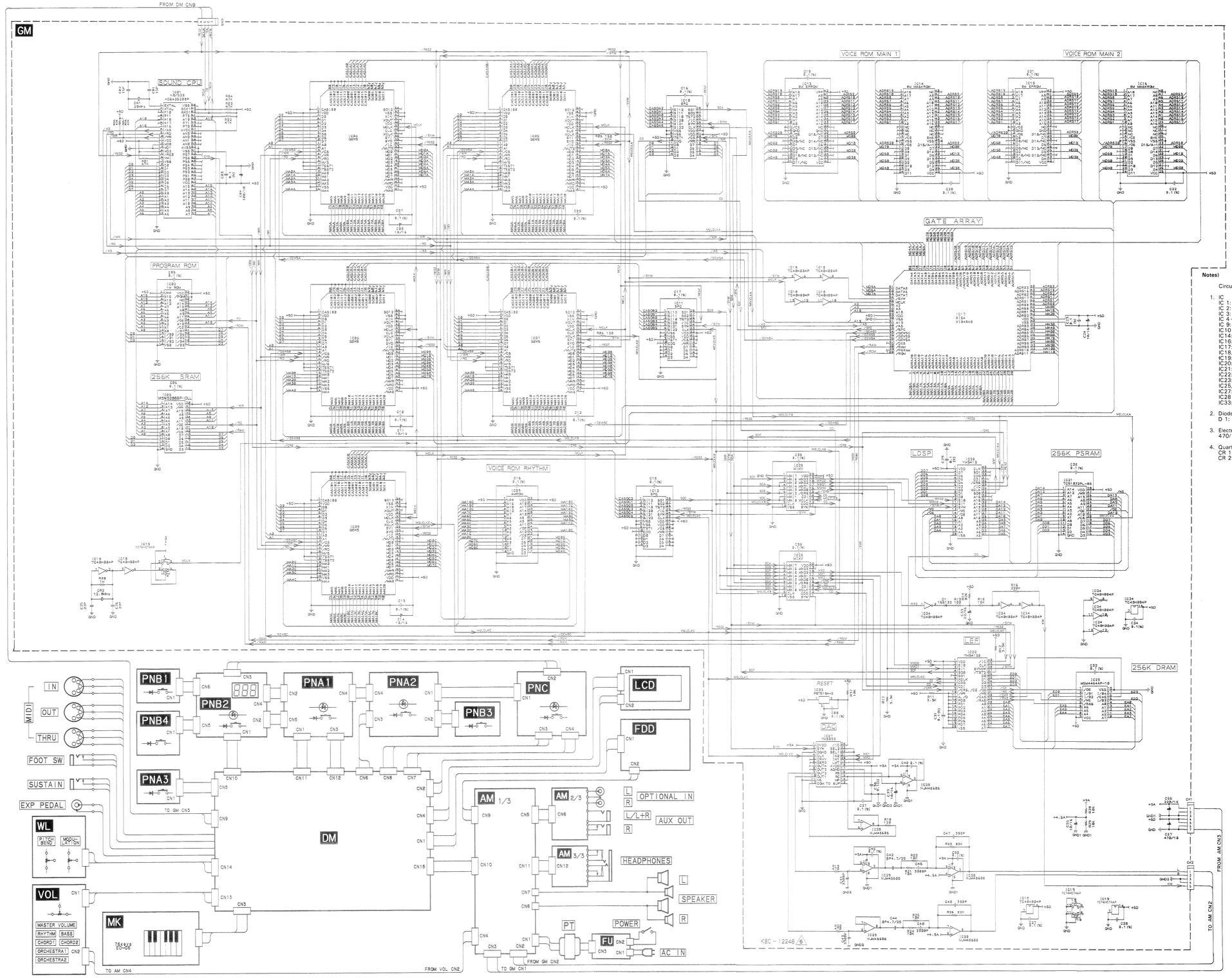
Notes)

Circuit Board: VOL (VK701900) XI928D0

1. Slide Pot.
   - ORCH1+2,CHORD1+2, BASS,RHYTHM, MASTER: B 10K RS30111A9 (VK368700) 7pcs
2. Semiconductive Cera. Cap.
   - 0.1 (e): 0.1μ 25V Z (VC694800)

PSR-6700

■ PSR-6700 OVERALL CIRCUIT DIAGRAM 2/3 (GM)



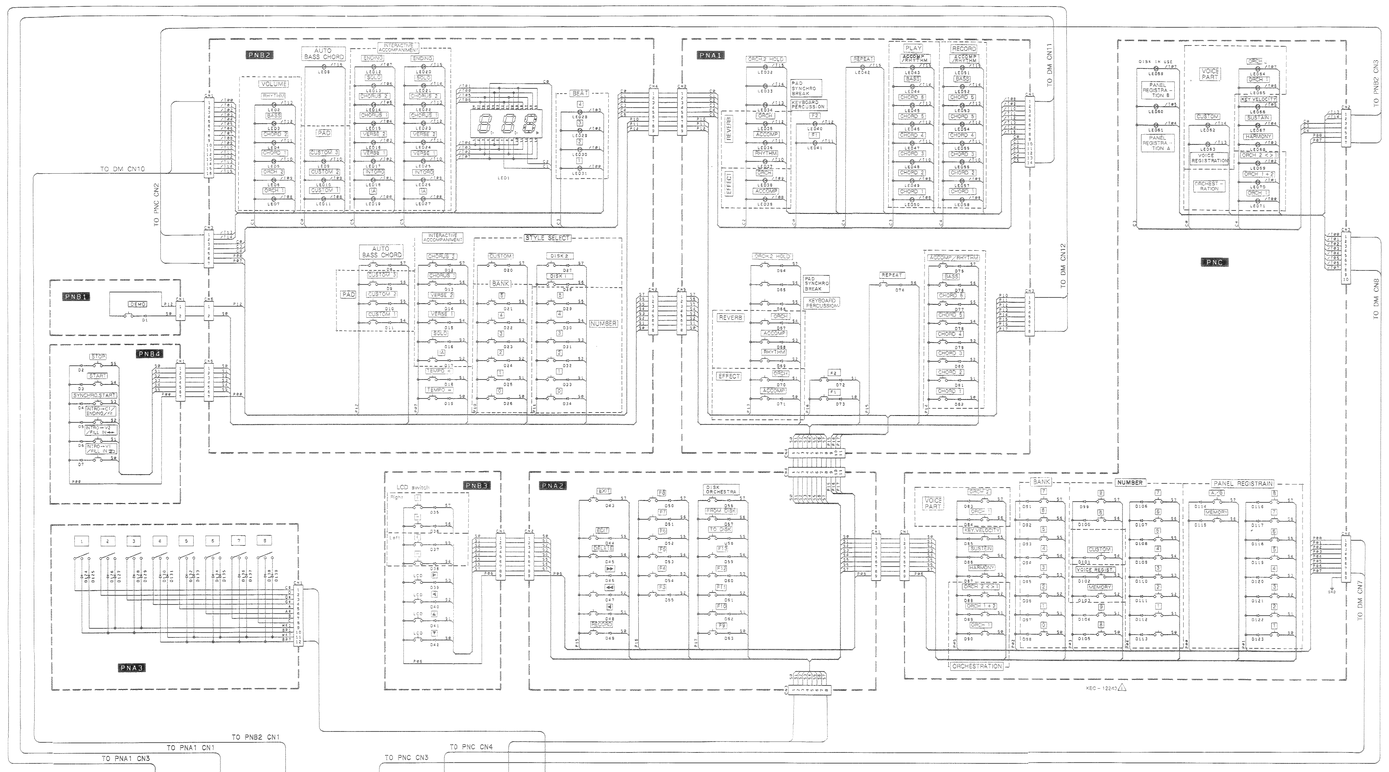
Notes)

Circuit Board: GM (WJ887900) XI856E0

1. IC
   - IC 1: HD6435208P10 (XJ747B00) SOUND CPU
   - IC 2: TC531001CP-12 (XJ482D00) ROM 1M
   - IC 3: M5M5256BP-10LL (XI326A00) SRAM 256K
   - IC 4 – 8: TMC3493APH (XF987A00) GEWS
   - IC 9: HN62314BPE32 (XI881C00) ROM 4M
   - IC10 – 12: TMC3489NL (XE755A00) SFC
   - IC14: HN62408FZ16 (XI879C00) ROM 8M
   - IC16: HN62408FZ17 (XI880C00) ROM 8M
   - IC17: LC92018B-476 (XI045A00) RI54(GATE ARRAY)
   - IC18,24: TC40H004P (IG051000) INVERTER
   - IC19: TC74HC74AP (IR007400) DFF
   - IC20: YM3413 (XE449A00) LDSP
   - IC21: TC51832PL-85 (XJ388A00) PSRAM 256K
   - IC22: YM3415B (XE450B00) LEF
   - IC23: M5M4464AP-10 (XF981A00) DRAM 256K
   - IC25,26: TMC57800N (XG662A00) MIX5
   - IC27: YM3032 (XG411A00) DAL3
   - IC28 – 30: NJM4560S (IG121B00) OP AMP.
   - IC33: PST518A-2 (XC722001) RESET IC
2. Diode
   - D 1: 1SS133 (IF003460)
3. Electrolytic Cap.
   - 470/10: 470μ 10V (UJ828470)
4. Quartz Crystal Unit
   - CR 1: 20MHz AT-49 (VI927300)
   - CR 2: 12.8MHz AT-49 (VI460600)

PSR-6700

■ PSR-6700 OVERALL CIRCUIT DIAGRAM 3/3 (PNA, PNB, PNC, AM, FU, MK1, MK2)



Notes)

Circuit Board: PNA (VK700600) XI925C0

<PNA1>
1. Diode
D 64 ~ 82: 1SS133 (IF003460)
2. LED
LED32 ~ 42, 51 ~ 58: LT-1D21A(HD) RE (VB254500)
LED43 ~ 50: LT-1E21A(EG) GR (VE234500)

<PNA2>
1. Diode
D 43 ~ 63: 1SS133 (IF003460)

<PNA3>
1. Diode
D 124 ~ 139: 1SS133 (IF003460)

Notes)

Circuit Board: PNB (VK700700) XI926D0

<PNB1>
1. Diode
D 1: 1SS133 (IF003460)

<PNB2>
1. Diode
D 8 ~ 34: 1SS133 (IF003460)
2. LED
LED 2 ~ 7, 12 ~ 18, 20 ~ 26, 28 ~ 30: LT-1E21A(EG) GR (VE234500) VOL ACCOMP., BEAT
LED 8 ~ 11, 31: LT-1D21A(HD) RE (VB254500) PAD, A.B.C., BEAT
LED19, 27: LT-1S11A(HS) OR (VK693200) INT.ACCOMP.(IIA)
3. LED Display
LED 1: GL-7P310 7segX3 (VK693400) Tempo

<PNB3>
1. Diode
D 35 ~ 42: 1SS133 (IF003460)

<PNB4>
1. Diode
D 2 ~ 7: 1SS133 (IF003460)

Notes)

Circuit Board: PNC (VK701800) XI927C0

1. Diode
D 83 ~ 123: 1SS133 (IF003460)
2. LED
LED59, 62 ~ 65, 69 ~ 71: LT-1D21A(HD) RE (VB254500)
LED60, 61, 66 ~ 68: LT-1E21A(EG) GR (VE234500)

Notes)

Circuit Board: AM (VJ860700) XI933C0 (J,U,C,V)
AM (VJ860900) XI933C0 (E,B,A,W)

<AM>
1. IC
IC 1: NJM78M09A (IC061200) REGULATOR 9V 0.5A
IC 2: RD05RF2 (XH672A00) REGULATOR 5V 2A
IC 3: M51132L (XE470001) VCA
IC 4, 5: μPC4570HA (XB247A00) OP AMP.
IC 6: TA8210AL (XJ063A00) AMP. 22W 2CH
IC 7: TC4069UBP (IG001720) INVERTER
IC 8: RD05RF1 (X1124A00) REGULATOR 5V 1A
IC 9, 10: M5229P (XG203A00) GRAPHIC EQ.
IC 11: PST518A-2 (XC722001) RESET
2. Transistor
Q 2: 2SC2603 E,F (IC260320)
3. Diode
D 2 ~ 6, 15: 1SS133 (IF003460)
4. Diode Stack
D 11: D5F620 5.0A 200V (IH001370)
D 12, 13: S4VB20 2.6A 200V (IH001210)
5. Zener Diode
ZD 1: MTZ6.2B 6.2V (IX608020)
6. Metal Oxide Film Resistor
R21, 22, 25, 26: 2.2Ω 1W J (VC740900)
R84, 85: 180Ω 1W J (VC745600)
R86: 100Ω 1W J (VC745000)
7. Electrolytic Cap.
C10: 4700μ 25V (VK373000)
C19: 4700μ 16V (VL288500)
C26: 2200μ 10V (UJ729220)
C75: 470μ 16V M (UB338470)
C84: 2200μ 16V (VK290000)
8. Semiconductive Cera. Cap.
0.1(+t): 0.1μ 25V Z (VC694800) 17pcs
9. Fuse
F 2 (J,U,C,V): T 500mA 250V (KB001150)
(E,B,A,W): T500mA 250V S (KB000710)
F 3,5 (J,U,C,V): T 2A 250V (VD235500)
(E,B,A,W): T2A 250V S (KB000750)
F 6 (J,U,C,V): T 6.3A 250V (VD284600)
(E,B,A,W): T6.3A 250V S (KB001760)

<HP>
1. Semiconductive Cera. Cap.
0.1(+t): 0.1μ 25V Z (VC694800) 2pcs
2. Coil
FLL 9 ~ 11: 20μH FL5R200QNT (VB835000)
3. Phone Jack
HEADPHONES: YKB21-5006 (LB101870)

<JACK>
1. IC
IC 12: μPC4570HA (XB247A00) OP AMP.
2. Transistor
Q 1: 2SC2603 E,F (IC260320)
3. Diode
D 9: 1SS133 (IF003460)
4. Semiconductive Cera. Cap.
0.1(+t): 0.1μ 25V Z (VC694800) 1pc.
5. Coil
FLL 3 ~ 8: 20μH FL5R200QNT (VB835000)
6. Phone Jack
R: YKB21-5012 BL (VB312600) AUX.OUT(R)
L+R: YKB21-5014 BL (VC687500) AUX.OUT(L+R)
7. Pin Jack
L, R: YKC21-0200 (VE052700) OPTIONAL IN(L,R)
8. Relay
RY 1: DC G5A-237P (VB996300)

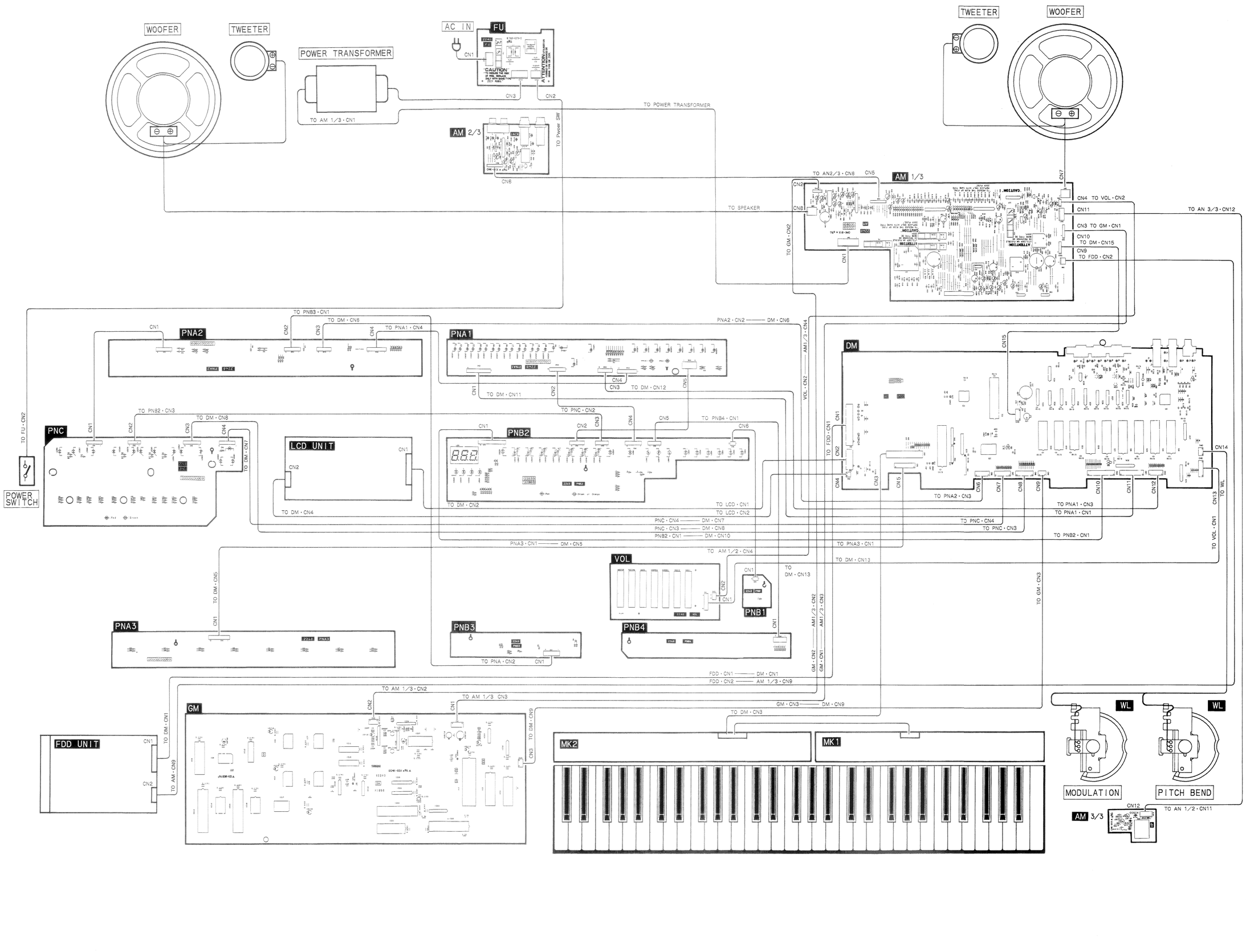
Notes)

Circuit Board: FU (VK691700) XI785C0 (J,U,C,V)
Circuit Board: FU (VK691900) XI785C0 (E,B,A,W)
1. Ceramic Cap.
C 1,2: 0.01μ 400V (FI384100)
C 3: 4700P 400V (FI383470)
2. Coil
L 1: 10μH SU10V-D20010 (VF790900)
L 2: 10mH SU10V-20010 (VD293400)
3. Fuse
F 1 (J,U,C,V): T 1.6A 250V (VD235300)
(E,B,A,W): T800mA 250V S (KB002610)

Fuse

Models for	F1	F2	F3	F5
Japanese, US, & Canadian	2.0A	500mA	2.0A	2.0A
North European, British, & Australian	T800mA	T500mA	T20.A	T2.0A

PSR-6700


WOOFER
TWEETER
POWER TRANSFORMER
TO AM 1/3 • CN1
AC IN
FU
CN1
CN3
CN2
TO POWER TRANSFORMER
AM 2/3
TO Pivot SW
CN6
TWEETER
WOOFER
TO AN2/3 • CN6
CN5
AM 1/3
CN2
CN8
CN7
CN4 TO VOL • CN2
CN11
TO AN 3/3 • CN12
CN3 TO GM • CN1
CN10
TO DM • CN15
CN9
TO FDD • CN2
TO SPEAKER
TO GM • CN2
CN1
TO PNB3 • CN1
TO DM • CN6
PNA2 • CN2 —— DM • CN6
PNA2
CN1
CN2
CN3
CN4
TO PNA1 • CN4
PNA1
TO DM • CN11
TO DM • CN12
VOL • CN2 —— AM1/3 • CN4
DM
CN15
TO PNB2 • CN3
TO DM • CN8
TO PNC • CN2
TO PNB4 • CN1
PNC
LCD UNIT
PNB2
TO FU • CN2
POWER SWITCH
TO DM • CN7
TO DM • CN2
TO LCD • CN1
TO LCD • CN2
TO DM • CN4
PNC • CN4 —— DM • CN7
PNC • CN3 —— DM • CN8
PNB2 • CN1 —— DM • CN10
PNA3 • CN1 —— DM • CN5
TO AM 1/2 • CN4
TO DM • CN13
VOL
PNB1
PNA3
TO DM • CN5
PNB3
PNB4
TO PNA • CN2
AM1/3 • CN2
AM1/3 • CN3
GM • CN2
GM • CN1
FDD • CN1 —— DM • CN1
FDD • CN2 —— AM 1/3 • CN9
TO AM 1/3 • CN2
TO AM 1/3 • CN3
GM
TO DM • CN9
GM • CN3 —— DM • CN9
TO DM • CN3
FDD UNIT
TO DM • CN1
TO AM • CN9
MK2
MK1
WL
WL
MODULATION
PITCH BEND
AM 3/3
CN12
TO AN 1/2 • CN11
TO FDD • CN1
TO PNA2 • CN3
TO PNA1 • CN3
TO PNA1 • CN1
TO PNC • CN4
TO PNC • CN3
TO PNB2 • CN1
TO VOL • CN1
TO WL