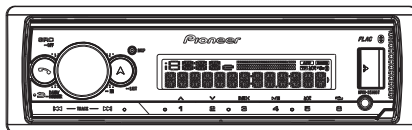


Pioneer

Service Manual



MVH-S510BT/XINEW5

ORDER NO.
CRT6310

DIGITAL MEDIA RECEIVER

MVH-S510BT /XINEW5

MVH-X300BT /XINCS

MVH-X700BT /XINCS



PIONEER CORPORATION 28-8, Honkomagome 2-chome, Bunkyo-ku, Tokyo 113-0021, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 2 Jalan Kilang Barat, #07-01, Singapore 159346
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K-ZZZ AUG. 2018

SAFETY INFORMATION

A CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

Where in a manufacturer's service documentation, for example in circuit diagrams or lists of components, a symbol is used to indicate that a specific component shall be replaced only by the component specified in that documentation for safety reasons, the following symbol shall be used:

B



CAUTION

Danger of explosion if battery is incorrectly replaced.
Replaced only with the same or equivalent type recommended by the manufacturer.
Discard used batteries according to the manufacturer's instructions.

C

D

E

F

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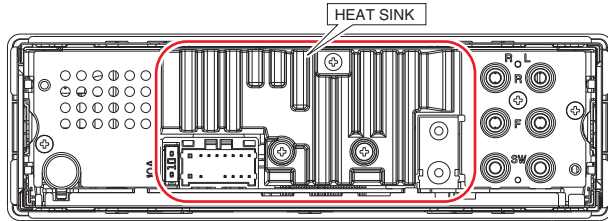
1. SERVICE PRECAUTIONS

1.1 SAFETY PRECAUTIONS



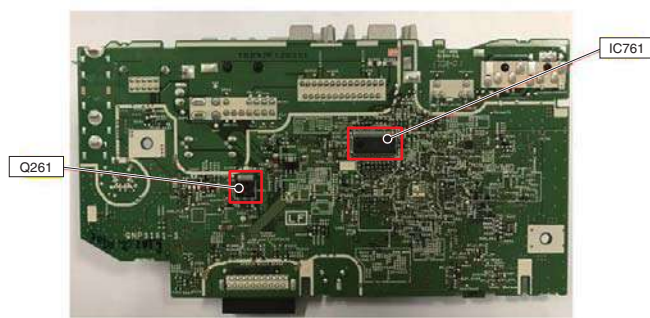
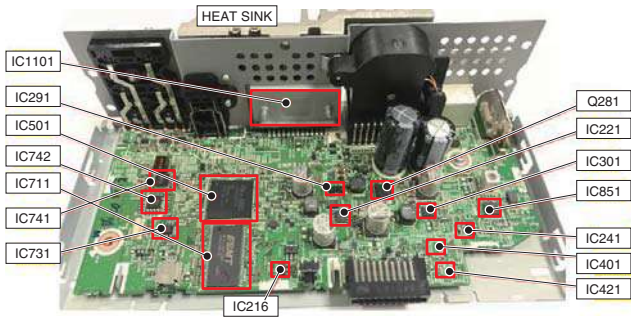
- You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.

-  part and a heat sink becomes hot areas. Be careful not to burn yourself.



SIDE A TUNER AMP UNIT

SIDE B TUNER AMP UNIT



1.2 NOTES ON DISASSEMBLY / ASSEMBLY

- Before disassembling the unit, be sure to turn off the power. Unplugging and plugging the connectors during power-on mode may damage the ICs inside the unit.
- Please be sure to conduct line process to original status if you make assembling after repair.

1.3 NOTES ON OPERATION CHECK / DIAGNOSIS

- Resetting the microprocessor
 1. Remove the front panel.
 2. Press the RESET button with a pointed instrument longer than 8 mm.



RESET button

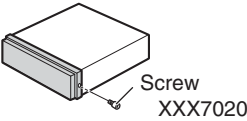
1.4 NOTES ON REPLACING PARTS

- Be careful in handling ICs. Some ICs such as MOS type are so fragile that they can be damaged by electrostatic induction.
- Please be careful of not to apply static charge onto integrated circuits, etc, when you conduct repair work.
Especially, please use soldering iron with its tip grounded.
Also, please use a pair of tweezers with static charge protection capability if there is the possibility of contacting to device terminals, and avoid the use of metal-made tweezers.
- The part listed below is difficult to replace as a discrete component part.
When the part listed in the table is defective, replace whole Assy.

Function	Ref No.	Part No.	Reason
System Microcomputer	IC501	STA1080	BGA
BT Module	U951	CWX4751	Bottom terminal
Tuner IC	IC851	TEF6686AHN	with Bottom pad
DCDC Converter	IC221	KBD9876EFJ	with Bottom pad
DCDC Converter	IC301	MM3630BR	with Bottom pad

1.5 OTHERS

- **Notes on soldering**
For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- **To secure the front panel**
The front panel can be secured with the supplied screw.



2. SPECIFICATIONS

2.1 SPECIFICATIONS

For all items except the backup current, refer to the Owner's Manual.

Backup current..... 4.0 mA or less

2.2 DISC/CONTENT FORMAT



- The *Bluetooth*® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by PIONEER CORPORATION is under license. Other trademarks and trade names are those of their respective owners.

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

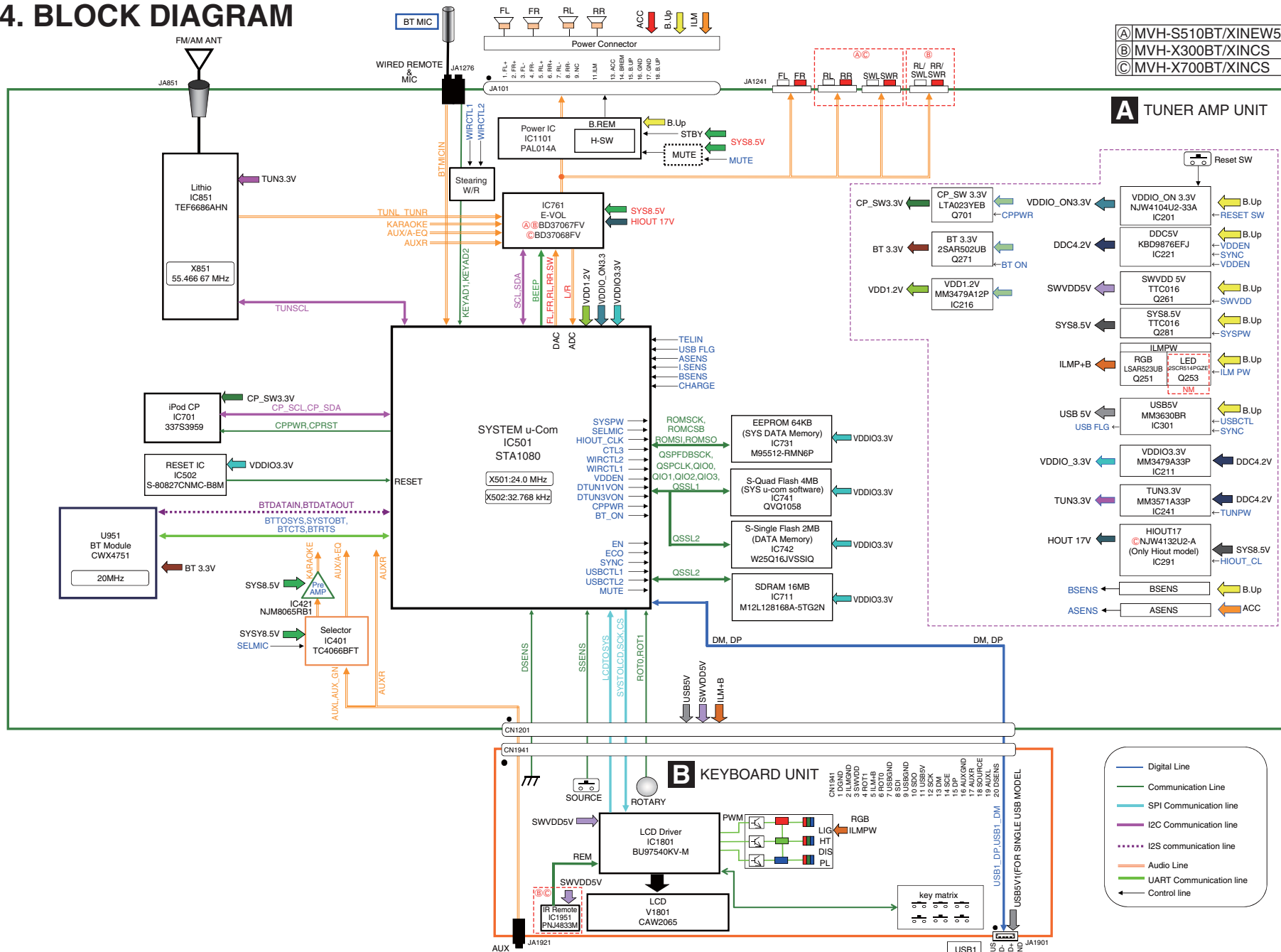
To keep the product quality after servicing, please confirm following check points.

No.		Procedures	Item to be confirmed
1		Confirm whether the customer complain has been solved. If the customer complain occurs with the specific media, use it for the operation check.	The customer complain must not be reappeared. Display, audio and operations must be normal.
2	FM/AM tuner	Check FM/AM tuner action. (Seek, Preset) Switch band to check both FM and AM.	Display, audio and operations must be normal.
3		Appearance check	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding audio:

Item to be checked regarding audio
Distortion
Noise
Volume too low
Volume too high
Volume fluctuating
Sound interrupted

4. BLOCK DIAGRAM

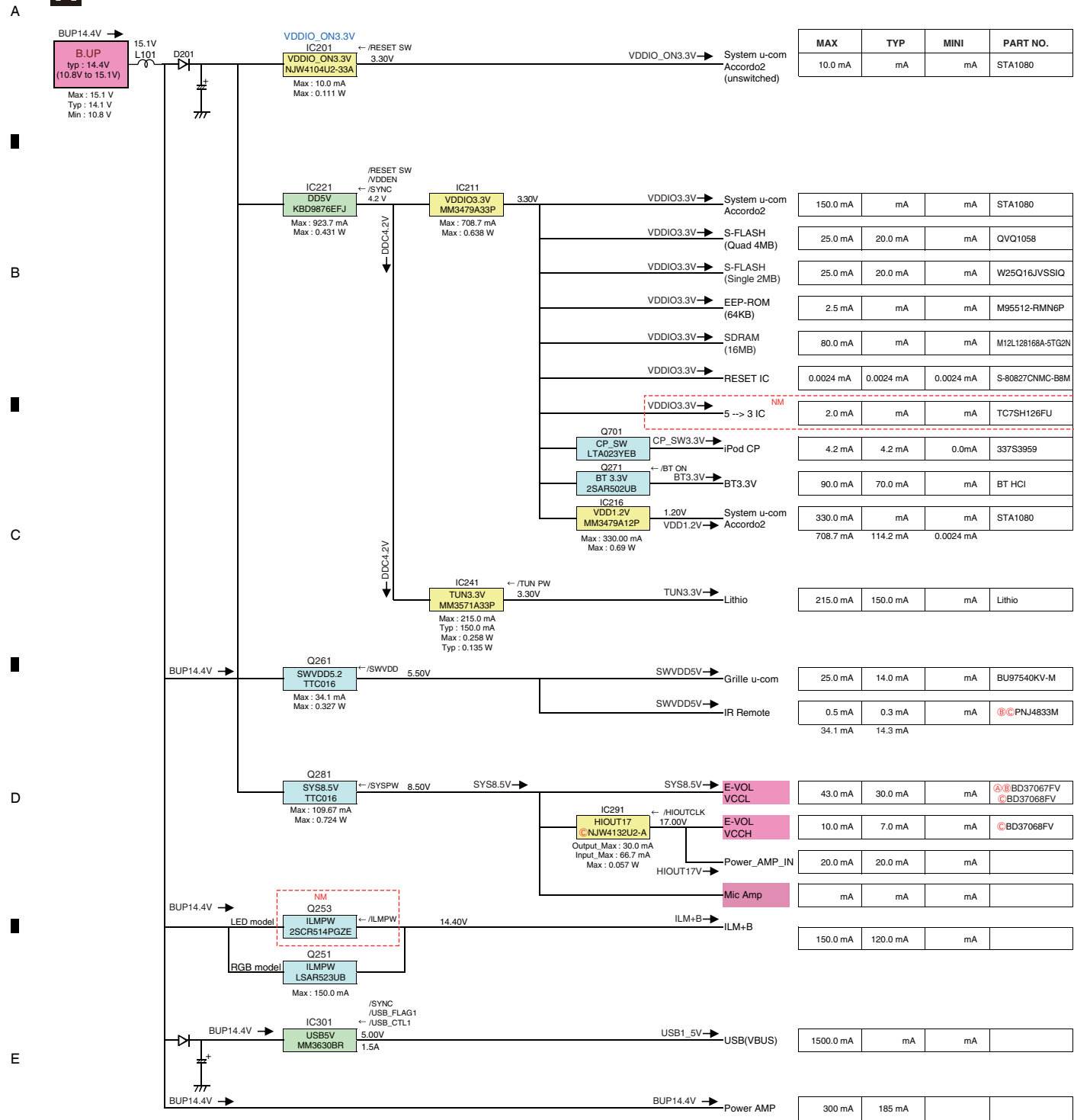


4. BLOCK DIAGRAM

4.1 BLOCK DIAGRAM

4.2 POWER SUPPLY SYSTEM FIGURE

A TUNER AMP UNIT



- A MVH-S510BT/XINEW5
- B MVH-X300BT/XINCS
- C MVH-X700BT/XINCS

5

6

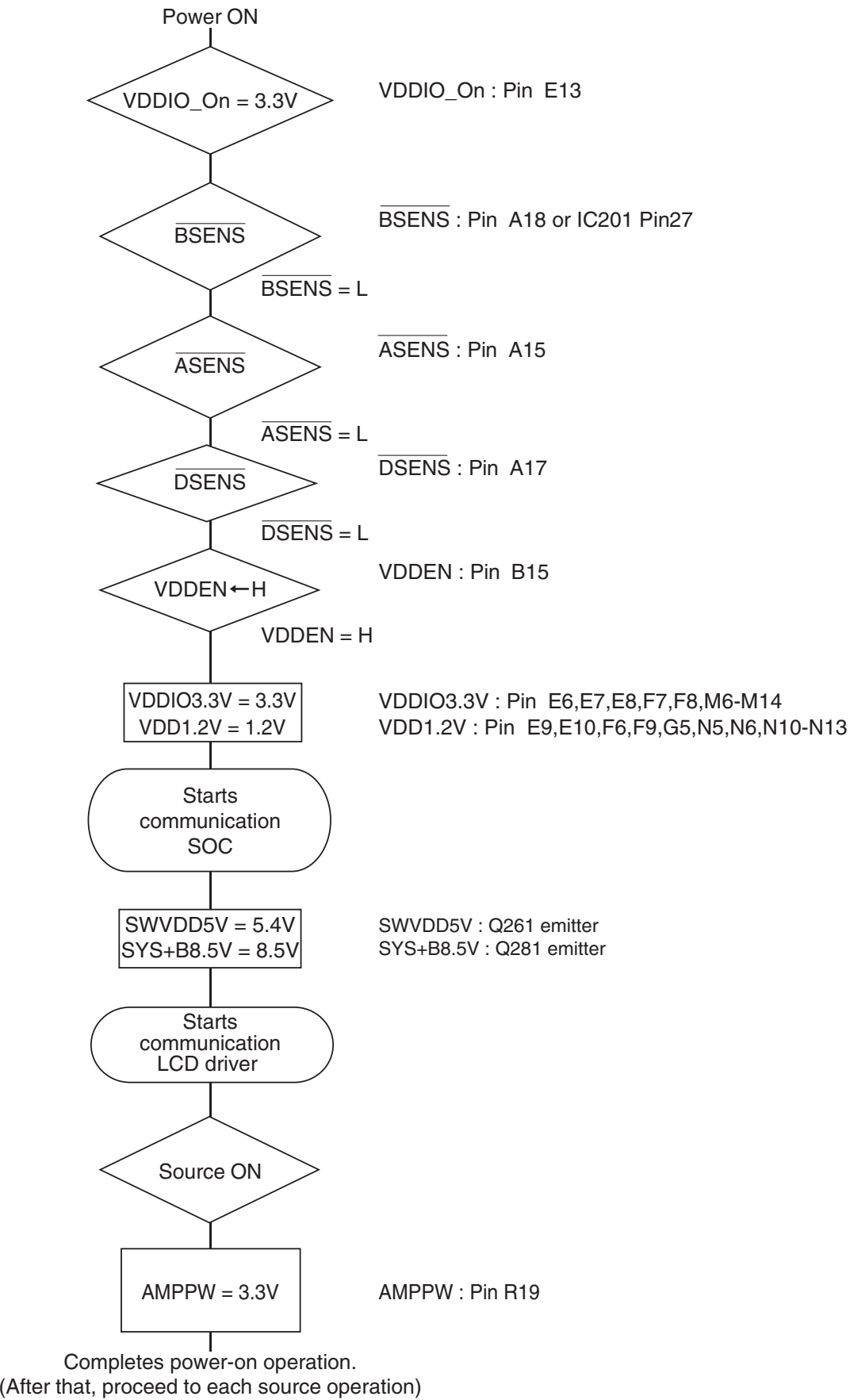
7

8

5. DIAGNOSIS

5.1 OPERATIONAL FLOWCHART

Signal on System ucom (IC501)



5.2 ERROR CODE LIST

Common

AMP ERROR

- This unit fails to operate or the speaker connection is incorrect.
 - Check the speaker connection.
 - Check the power IC and its peripheral circuit.

NO XXXX (NO TITLE, for example)

- There is no embedded text information.
 - Switch the display or play another track/file.

USB device/iPhone

FORMAT READ

- Sometimes there is a delay between the start of playback and when you start to hear any sound.
 - Wait until the message disappears and you hear sound.

NO AUDIO

- There are no songs.
 - Transfer the audio files to the USB device and connect.
- The connected USB device has security enabled.
 - Follow the USB device instructions to disable the security.

SKIPPED

- The connected USB device contains DRM protected files.
 - The protected files are skipped.

PROTECT

- All the files on the connected USB device are embedded with DRM.
 - Replace the USB device.

N/A USB

- The connected USB device is not supported by this unit.
 - Disconnect your device and replace it with a compatible USB device.

HUB ERROR

- The USB device connected via a USB hub is not supported by this unit.
 - Connect the USB device directly to this unit using a USB cable.

CHECK USB

- The USB connector or USB cable has short-circuited.
 - Check that the USB connector or USB cable is not caught in something or damaged.
- The connected USB device consumes more than maximum allowable current.
 - Disconnect the USB device and do not use it. Turn the ignition switch OFF and back to ACC or ON. Connect only compliant USB devices.

ERROR-19

- Communication failed.
 - Perform one of the following operations, then return to the USB source.
 - Turn the ignition switch OFF and back to ON.
 - Disconnect the USB device.
 - Change to a different source.
- iPhone failure.
 - Disconnect the cable from the iPhone. Once the iPhone's main menu is displayed, reconnect the iPhone and reset it.

ERROR-23

- USB device was not formatted properly.
 - Format the USB device with FAT12, FAT16 or FAT32.

ERROR-16

- The iPhone firmware version is old.
 - Update the iPhone version.
- iPhone failure.
 - Disconnect the cable from the iPhone. Once the iPhone's main menu is displayed, reconnect the iPhone and reset it.

STOP

- There are no songs in the current list.
 - Select a list that contains songs.

NO BT DEVICE GO TO BT MENU TO REGISTER

- No Bluetooth device found.
 - Connect the unit and iPhone via Bluetooth.

CONN. FAILED PRESS BAND KEY TO RETRY

- Bluetooth connection with iPhone failed.
 - Press BAND /  to make a connection again.

DISCONNECTED PRESS BAND KEY TO RETRY

- Bluetooth connection with iPhone failed.
 - Press BAND /  to make a connection again.

Bluetooth device

ERROR-10

- The power failed for the Bluetooth module of the unit.
 - Turn the ignition switch OFF and back to ACC or ON.

Spotify

NOT FOUND

- The Spotify application has not started running yet.
 - Start up the Spotify application.

NO BT DEVICE GO TO BT MENU TO REGISTER

- No Bluetooth device found.
 - Connect the unit and the device via Bluetooth.

CONN. FAILED PRESS BAND KEY TO RETRY

- Bluetooth connection failed.
 - Press BAND /  to make a connection again.

CHECK APP PRESS BAND KEY TO RETRY

- Connection to the Spotify application failed.
 - Press BAND /  to make a connection again.

DISCONNECTED PRESS BAND KEY TO RETRY

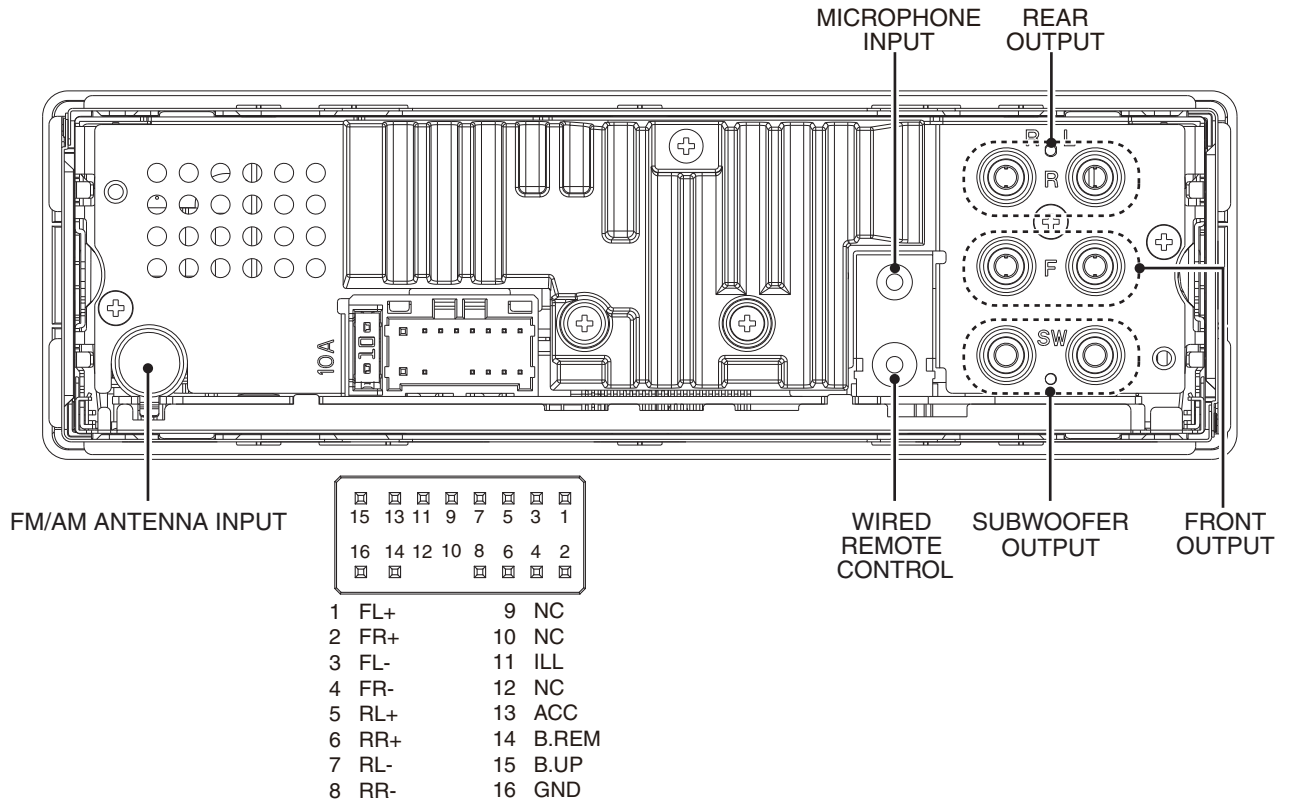
- Bluetooth connection lost.
 - Press BAND /  to make a connection again.

CHECK APP

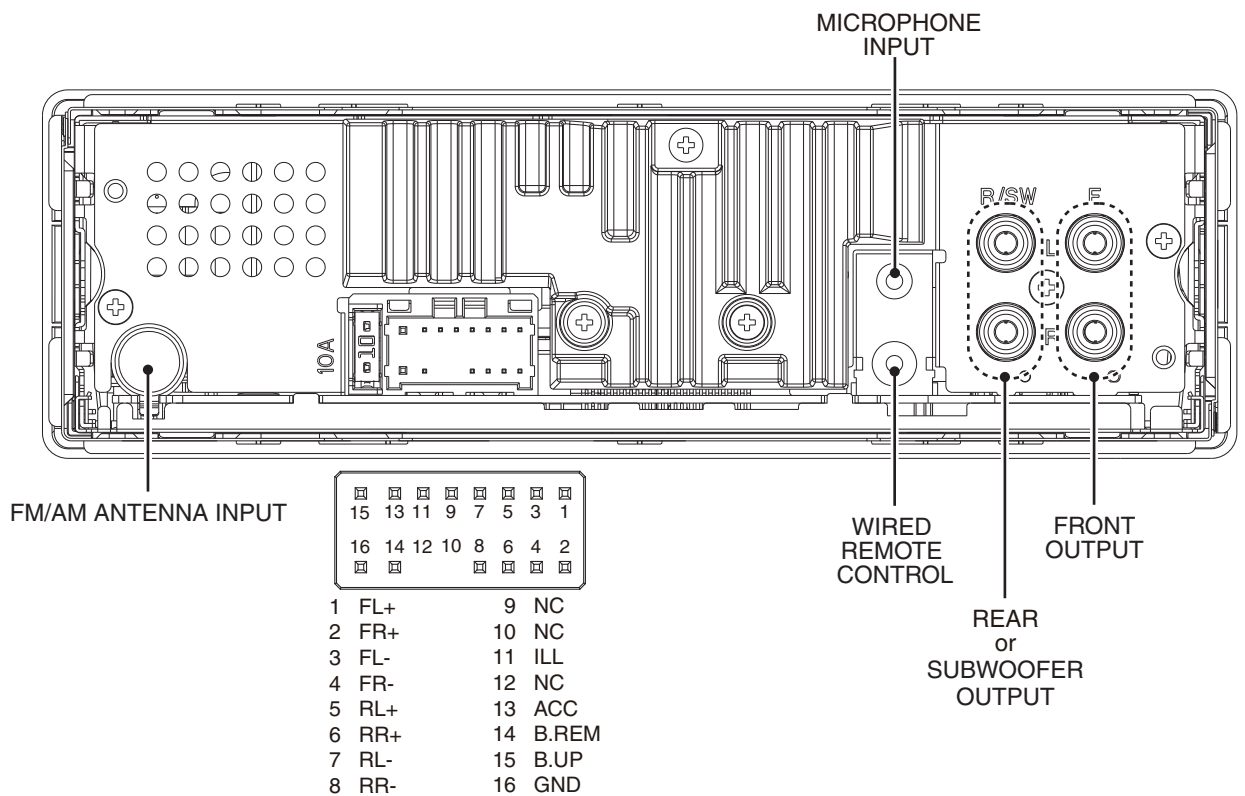
- An unknown error (including communication error) has occurred.
 - Follow the instructions that appear on the screen.

5.3 CONNECTOR FUNCTION DESCRIPTION

● MVH-S510BT/XINW5, MVH-X700BT/XINCS



● MVH-X300BT/XINCS



Part Ref.	Part Number	Part Name	Part position	Symptom
-	CEK1415	Fuse	①	Product no operation
P852	IMSA-6803-01Y900	Surge Absorber	②	Tuner source no sound or abnormal sound
P1243	FSMD075-24R	Poly Switch	③	RCA no output or abnormal condition
P1276	FSMD075-24R	Poly Switch	④	Wired remote no operation

Note) About Poly Switch for RCA output

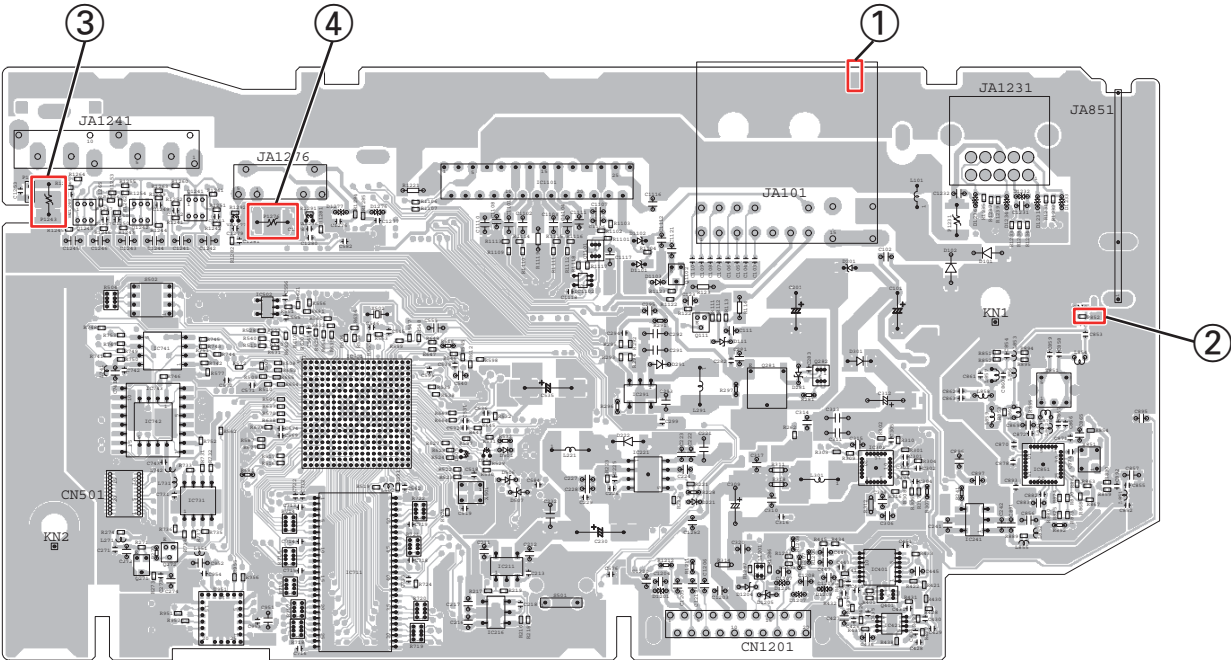
This product may receive excessive current if the power line connection of the external product is incorrect, such as Ground connection failure.

You cannot turn on the external product connected to this product as the power is not supplied if the poly switch is working to cut the circuit.

If you find the symptoms above, check whether or not the poly switch is working to cut the circuit.

If there is any problem (you cannot turn on the power of external unit), check the power connection (Ground) of external unit.

SIDE A TUNER AMP UNIT



5.5 PCL OUTPUT CONFIRMATION

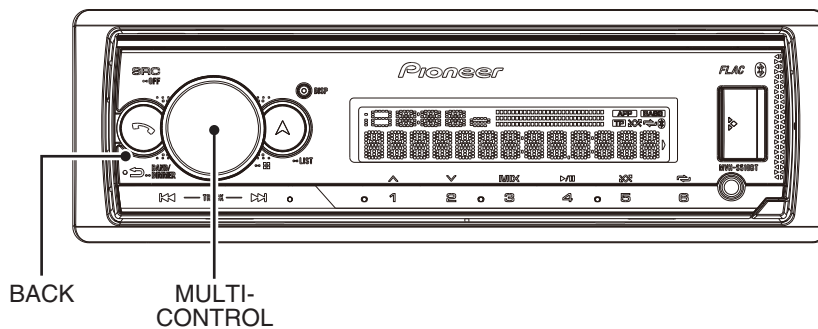
[The symptom when the frequency becomes out of specification]

The clock is too fast or slow.

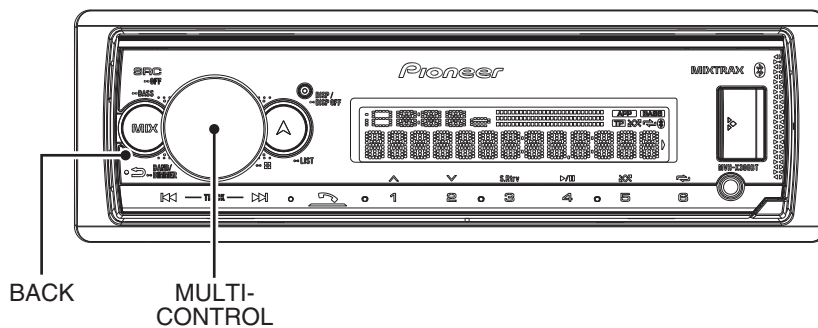
[How to enter PCL checking mode]

Hold down the MULTI-CONTROL button and the BACK button and turn BUP and ACC ON.

● EW5 MODEL



● CS MODEL



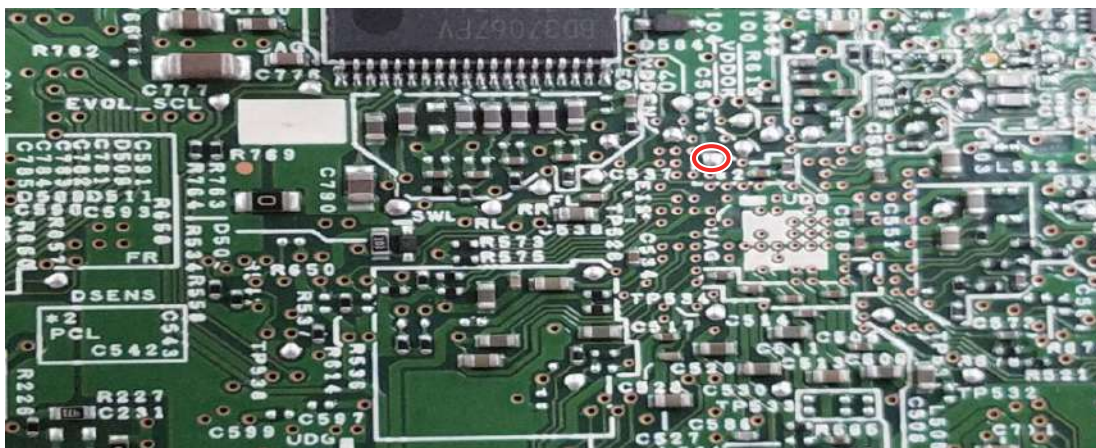
[Check item of the PCL]

Check that the frequency of the [PCL] test point is $32.768 \text{ kHz} \pm 1.31 \text{ Hz}$.

[Repair method]

Replace X502.

[SIDE B] TUNER AMP UNIT



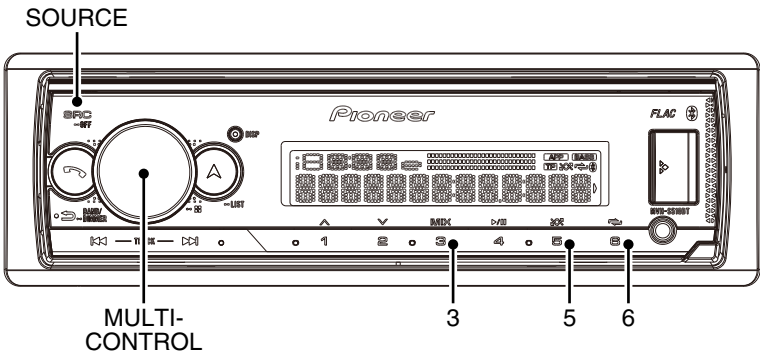
1234

6. SERVICE MODE

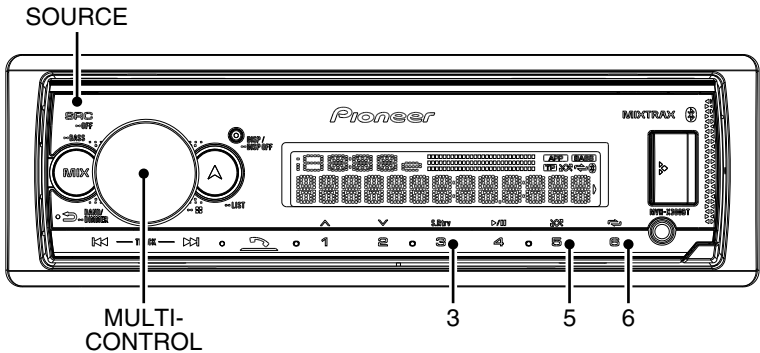
6.1 DISPLAY TEST MODE1

- A
- [How to enter Test mode]
- Press and hold "5" and "6" buttons together, and turn BUP and ACC on.

EW5 MODEL



CS MODEL



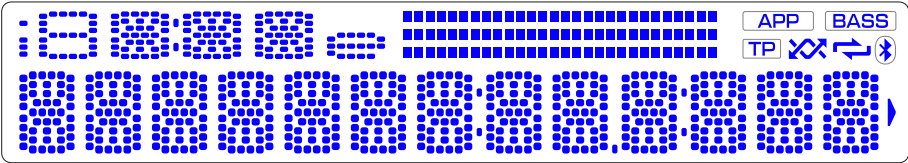
D

Confirmation item	Operate	Grille condition	
		LCD	ILM
All light up	Button 5 + Button 6	States 1	Red
All light off	SOURCE	States 2 (No light)	No light
Button feeling (and ILM light)	Button 3	States 3	Blue

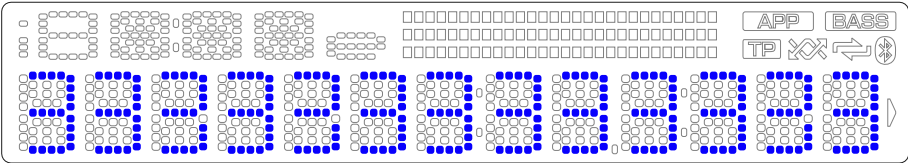
LCD States

Status 1: All light up. Refer to "Draw 1" below for detail.
States 2: All light off
Status 3: Refer to "Draw 2" below for detail.

Draw 1



Draw 2



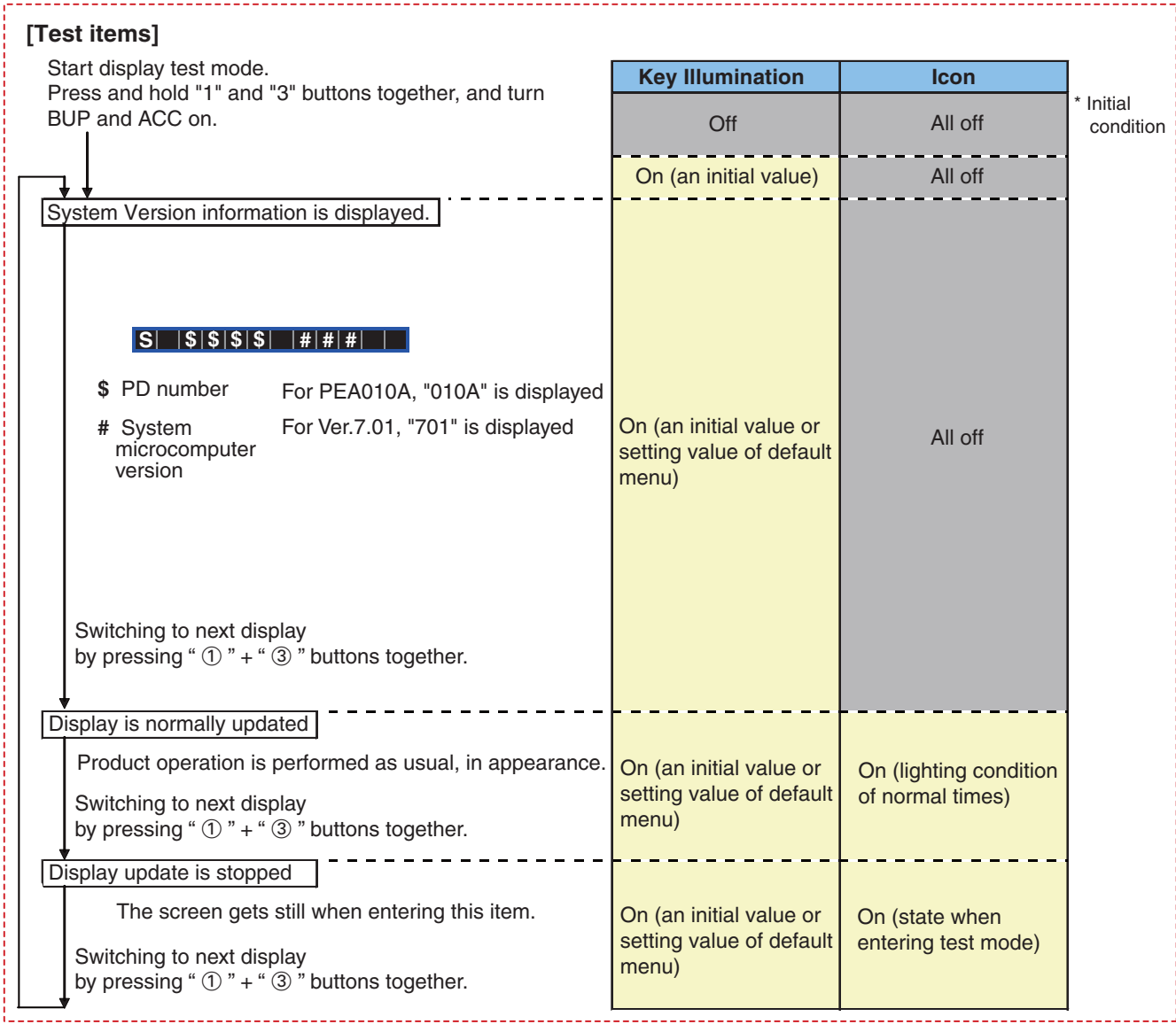
The information such as the system microcomputer version is checked.

[How to enter Test mode]

Press and hold "1" and "3" buttons together, and turn BUP and ACC on.

[Operation key]

Operation key	Processing	Remarks
① + ③	Enter display test mode Switch to next test mode	



6.3 SOFTWARE VERSION UP METHOD

Outline

This product will upgrade systems using a USB memory.

[Operating Conditions]

BUP ON + ACC ON

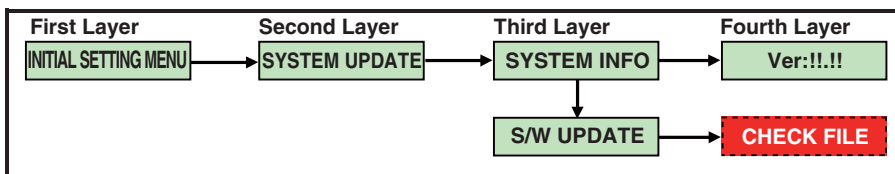
[Description]

Please refer to the following contents at procedures of upgrades and flow. It contains Bluetooth upgrades.
In case of finishing software upgrading and displaying [COMPLETED], the setting is cleared and set to initial state same as System Reset Function.

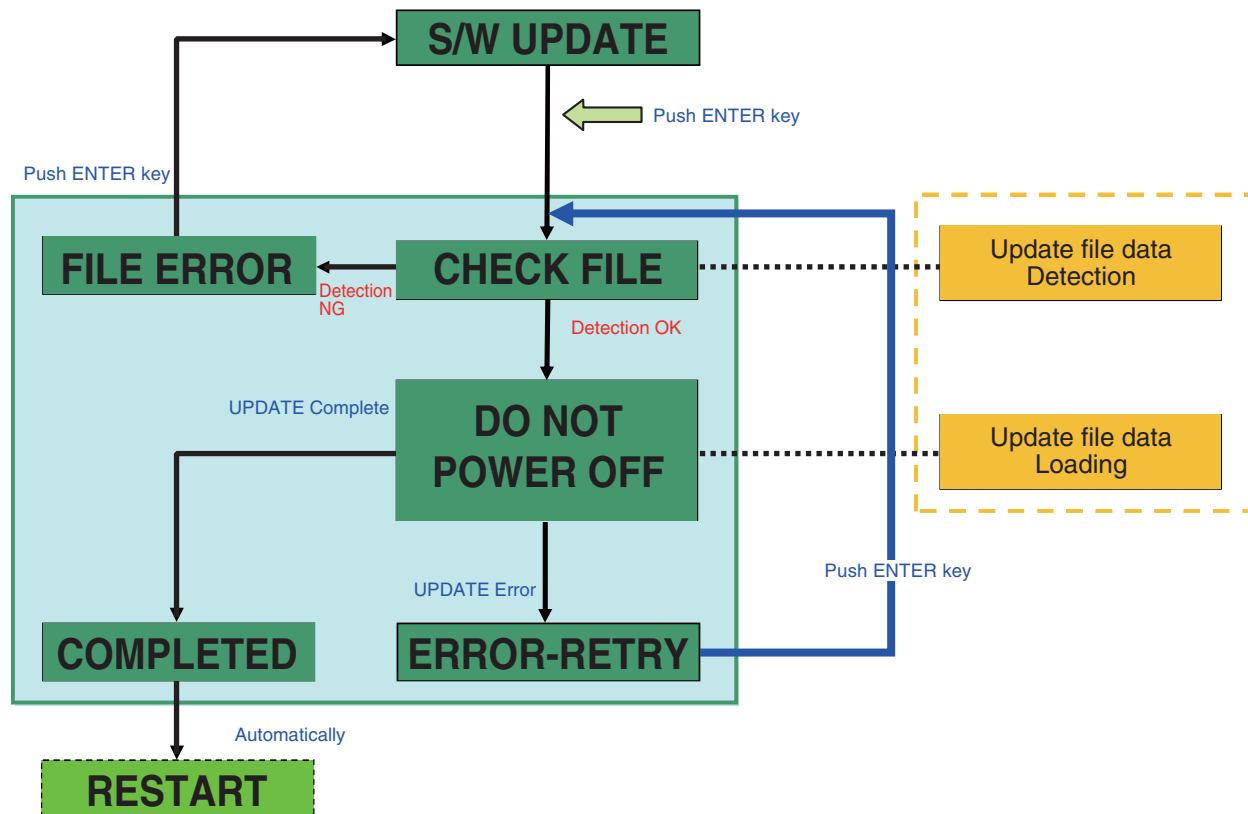
Procedure

1. Set BUP ON and ACC ON
2. Save upgrade data to USB memory and insert USB memory to product.
* File extension : *.scd
3. Enter [INITIAL SETTING MENU], select [S/W UPDATE] and push ENTER key. Wait [CHECK FILE] state.
4. The unit checks upgrade data file and starts updating automatically.
5. Wait until the end of updating. (Alternately displaying [DO NOT] and [POWER OFF] 5-second intervals.)
6. If update is completed, displaying [COMPLETED] and restarting automatically.

Layers



Display Transition Diagram



7. DISASSEMBLY

While the photograph shown is slightly different from this model in shape, the disassembly procedure is the same.

● Removing the Panel Assy (Fig.1)

- 1 Release the two latches.
- 2 Release the two latches and then remove the Panel Assy.

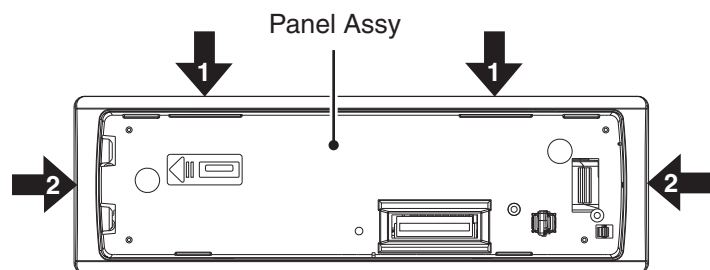
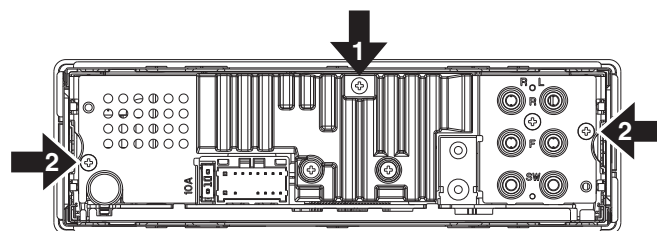


Fig.1

● Removing the Tuner Amp Unit Section (Fig.2)

- 1 Remove the screw.
- 2 Remove the two screws.



The Chassis side is made a bottom.

- 3 Push the area and remove the two hooks.
- 4 Slide the Tuner Amp Unit Section in the direction of the arrow and then remove the Tuner Amp Unit Section.

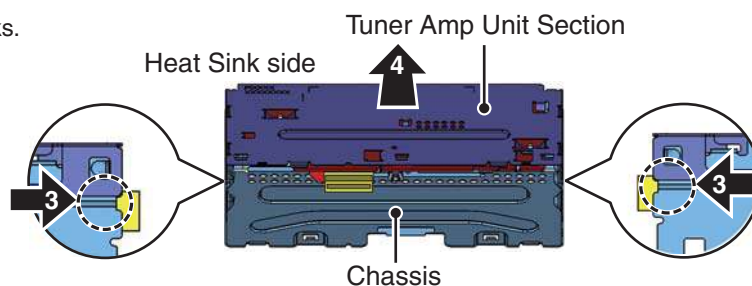


Fig.2

● Removing the Tuner Amp Unit (Fig.3)

- 1 Remove the two screws and then remove the Tuner Amp Unit.

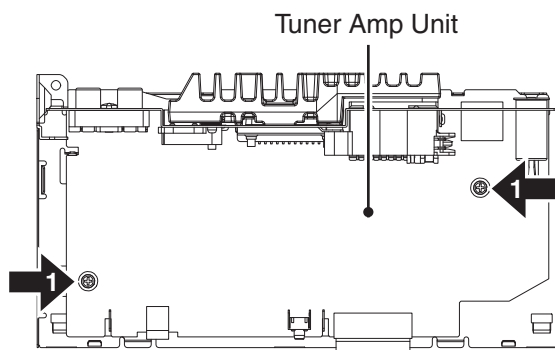


Fig.3

A ● Disassembling the Panel Part (Fig.4, 5)

1. Remove the arm while bending the rib of the panel upward.

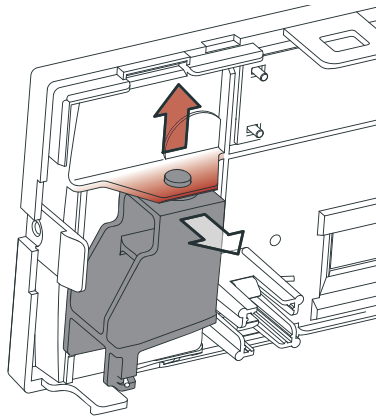


Fig.4

2. Press the upside hook and the bottom side hook of the button at the same time, and pull out the button.

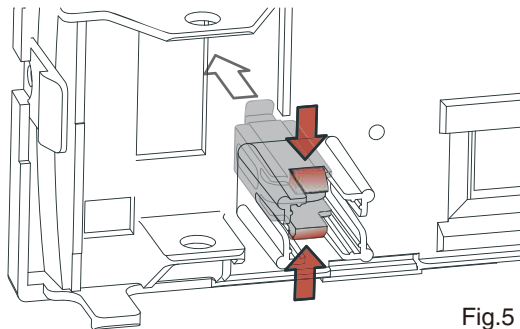


Fig.5

● Assembling the Panel Part (Fig.6, 7, 8)

1. Attach the button from the front side of the panel.

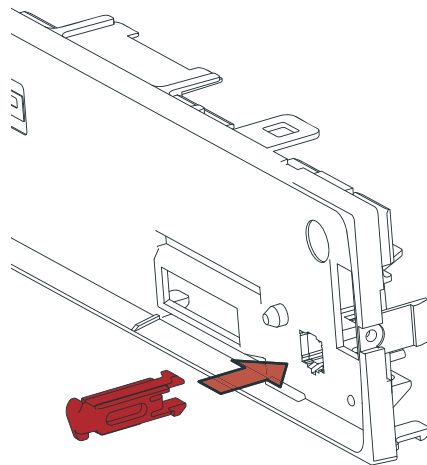


Fig.6

2. Attach the spring to the arm as shown in the figure.

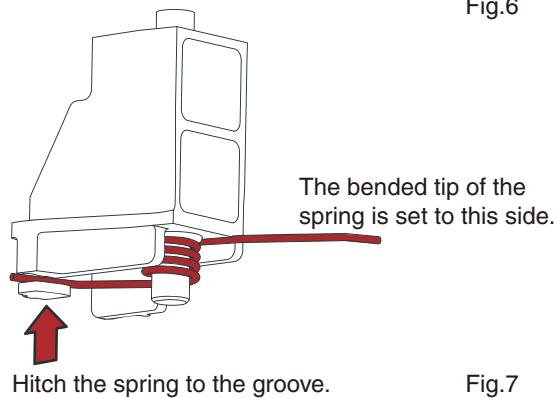


Fig.7

3. Fit the spring in the groove at the position shown in the figure.
4. Fit the boss on the lower side of the arm in the lower hole of the panel, and then warp the rib on the panel in the direction shown in the figure and fit the boss of the arm in the panel.

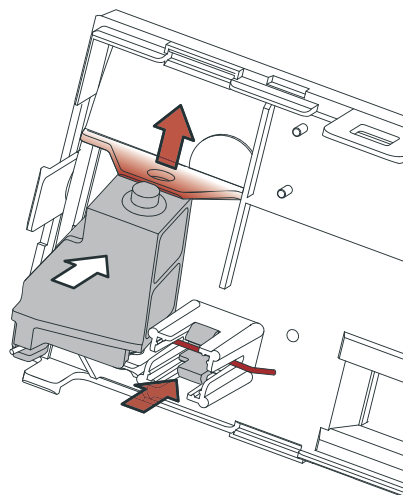


Fig.8

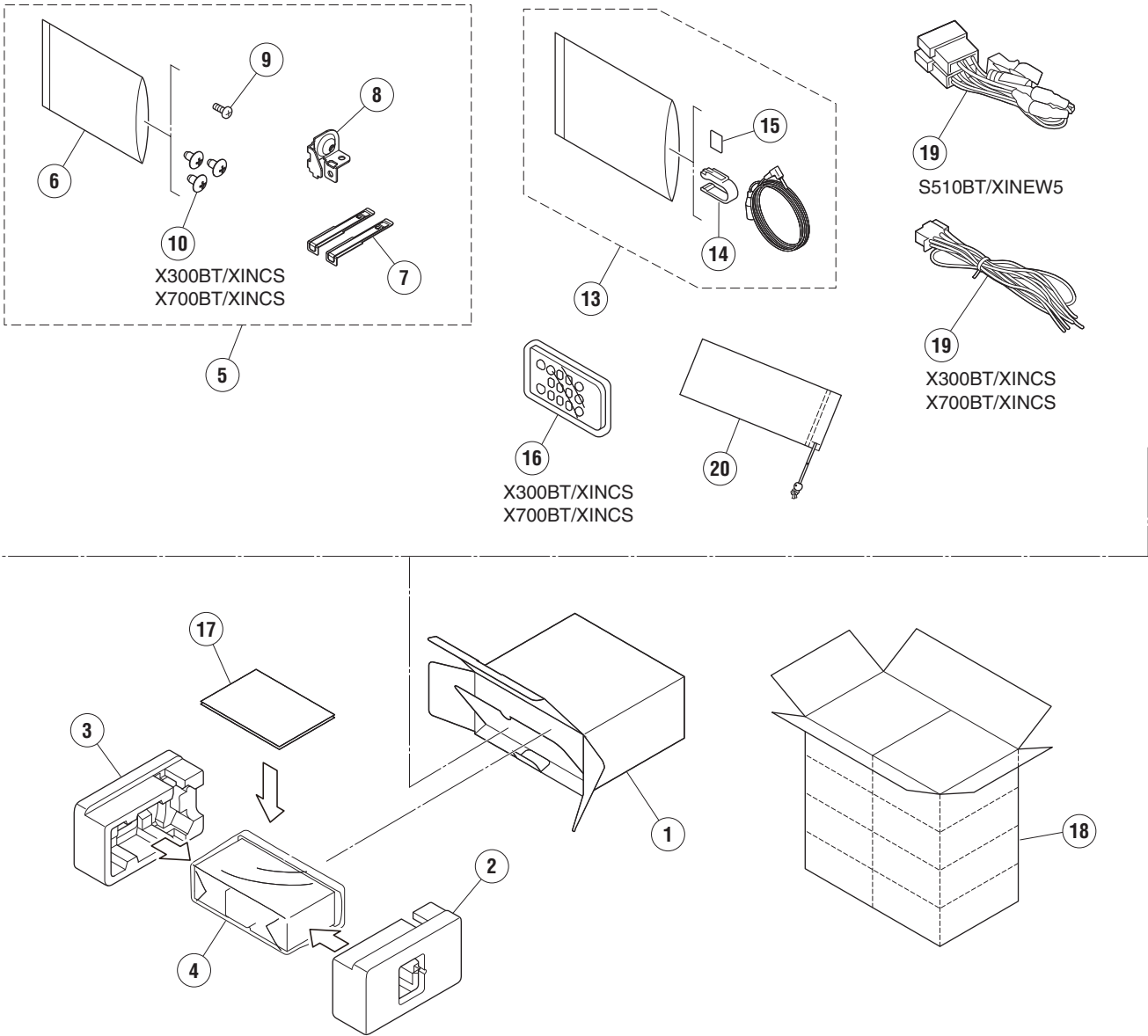
8. EACH SETTING AND ADJUSTMENT

There is no information to be shown in this chapter.

9. EXPLODED VIEWS AND PARTS LIST

- NOTES :
- Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.
 - The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 - Screw adjacent to▽mark on the product are used for disassembly.
 - For the applying amount of lubricants or glue, follow the instructions in this manual.
(In the case of no amount instructions,apply as you think it appropriate.)

9.1 PACKING SECTION



(1) PACKING SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Unit Box	See Contrast table (2)	14	Holder	CZN7192
2	Protector	QHP3066	15	Cushion	CZN7193
3	Protector	QHP3051			
4	Polyethylene Bag	CEG1260	16	Card Remote Control Unit	See Contrast table (2)
5	Accessory Assy	See Contrast table (2)	17-1	Owner's Manual	See Contrast table (2)
			17-2	Quick Start Guide	See Contrast table (2)
			17-3	Quick Start Guide	See Contrast table (2)
*	6 Polyethylene Bag	CEG1160	* 17-4	Web IM	See Contrast table (2)
7	Handle	QNC3119			
8	Bracket	QNC3086			
9	Screw	BSZ26P060FTC	* 17-5	Warranty Card	See Contrast table (2)
10	Screw	See Contrast table (2)	18	Contain Box	See Contrast table (2)
			19	Cord Assy	See Contrast table (2)
11	•••••		20	Detach G Case	QEG3004
12	•••••				
13	Microphone Assy	CPM1109			

(2) CONTRAST TABLE

MVH-S510BT/XINEW5, MVH-X300BT/XINCS and MVH-X700BT/XINCS are constructed the same except for the following:

Mark	No.	Description	MVH-S510BT/XINEW5	MVH-X300BT/XINCS	MVH-X700BT/XINCS
	1	Unit Box	QHG4399	QHG4400	QHG4401
	5	Accessory Assy	QEA3318	QEA3341	QEA3341
	10	Screw	Not used	CBA2384	CBA2384
	16	Card Remote Control Unit	Not used	CXE9605	CXE9605
	17-1	Owner's Manual	QRB3779	Not used	Not used
	17-2	Quick Start Guide	QRD3582	QRD3598	QRD3598
	17-3	Quick Start Guide	QRD3583	Not used	Not used
*	17-4	Web IM	See Contents of Web IM (3)	See Contents of Web IM (3)	See Contents of Web IM (3)
*	17-5	Warranty Card	CRY1376	Not used	Not used
	18	Contain Box	QHL4399	QHL4400	QHL4401
	19	Cord Assy	QDP3072	CDP1484	CDP1484

Owner's Manual, Quick Start Guide

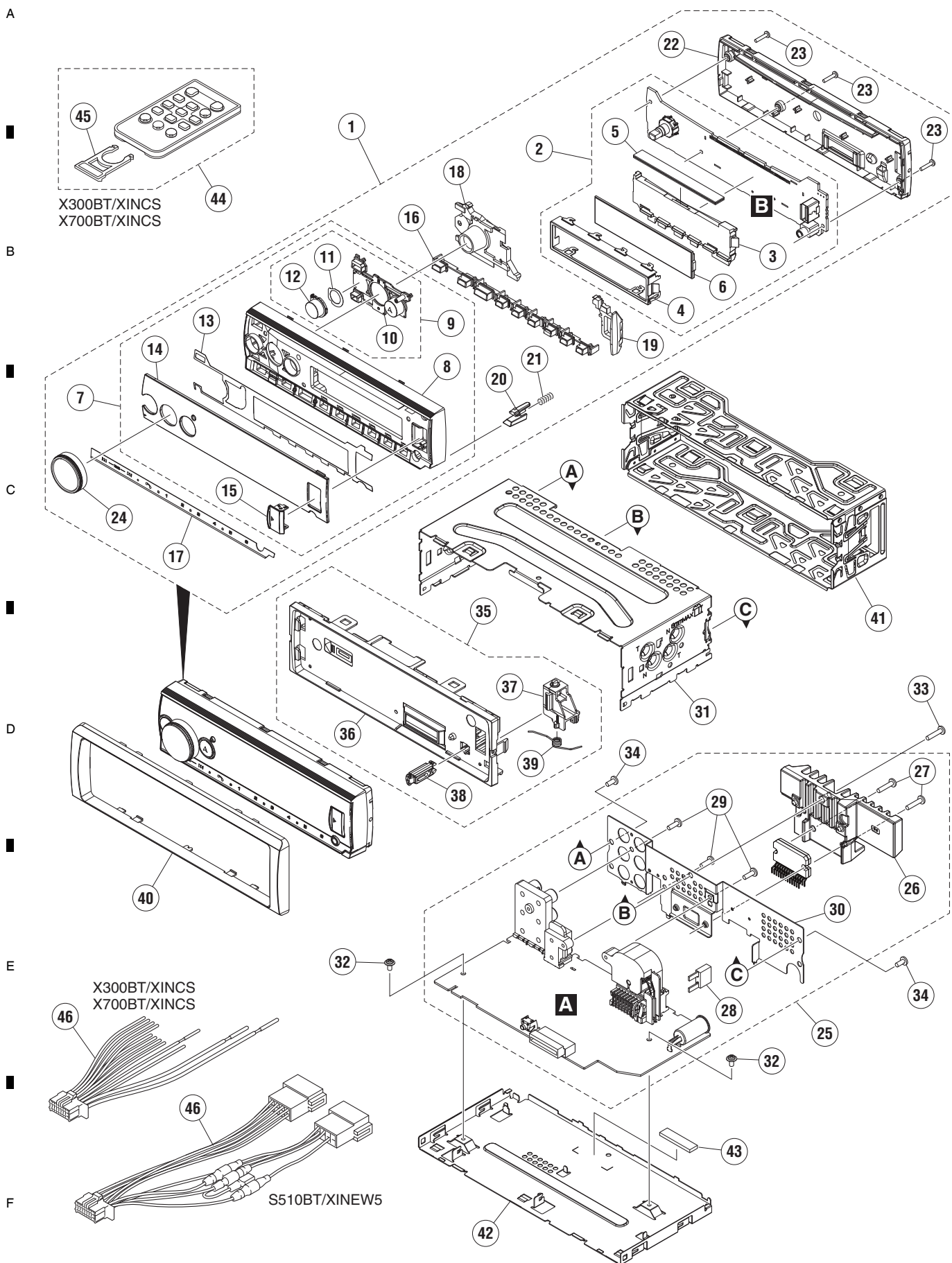
Part No.	Language
QRB3779	Russian
QRD3582	English, French, Italian
QRD3583	Spanish(Espanol), German, Dutch
QRD3598	English, Spanish(Espanol), Portuguese(B)

(3) CONTENTS OF WEB IM

Part No.	Language
*QRI3045(for XINEW5)	English, French, Italian, Spanish(Espanol), German, Dutch
*QRI3103(for XINCS)	English, Spanish(Espanol), Portuguese(B)

All operation manuals are supplied in PDF files by the WEB. No printed papers are available.

9.2 EXTERIOR SECTION



(1) EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.	
1	Detach Grille Assy	See Contrast table (2)	26	Heat Sink	QNR3010	
2	Keyboard Unit	See Contrast table (2)	27	Screw	BSZ26P120FTC	A
3	Lighting Conductor	QNV3151	⚠ 28	Fuse (10A)	CEK1415	
4	Holder	QNC3131	29	Screw	BPZ26P080FTC	
5	Rubber Connector	QNV3129	30	Holder	See Contrast table (2)	
6	Segment LCD (V1801)	CAW2065	31	Chassis	QNA3037	
7	Grille Unit	See Contrast table (2)	32	Screw	ASZ26P050FTC	
8	Grille	See Contrast table (2)	33	Screw	BSZ26P120FTC	
9	Button Unit	See Contrast table (2)	34	Screw	BSZ26P060FTC	
10	Button(SOURCE,BACK,LIST,DISP)	QAC3302	35	Panel Unit	QXA5291	
11	Ds Tape	QNM3228	36	Panel	QNS4072	B
12	Button	See Contrast table (2)	* 37	Arm	QNV3025	
13	Ds Tape	QNM3227	* 38	Button	QNV3026	
14	Plate	QNS4245	39	Spring	QBH3001	
15	Door	QAT3034	40	Panel	QNS4330	
16	Button	See Contrast table (2)	41	Holder	QNC3118	
17	Plate	See Contrast table (2)	42	Case	QNB3054	
18	Lighting Conductor	QNV3150	43	Sheet	QNM3130	
19	Lighting Conductor	QNV3152	44	Card Remote Control Unit	See Contrast table (2)	
20	Button (DETACH)	QAC3305	45	Cover	See Contrast table (2)	C
21	Spring	CBH2210	46	Cord Assy	See Contrast table (2)	
22	Cover	QNS4247				
23	Screw	BPZ20P100FTC				
24	Knob Unit	See Contrast table (2)				
25	Tuner Amp Unit	See Contrast table (2)				

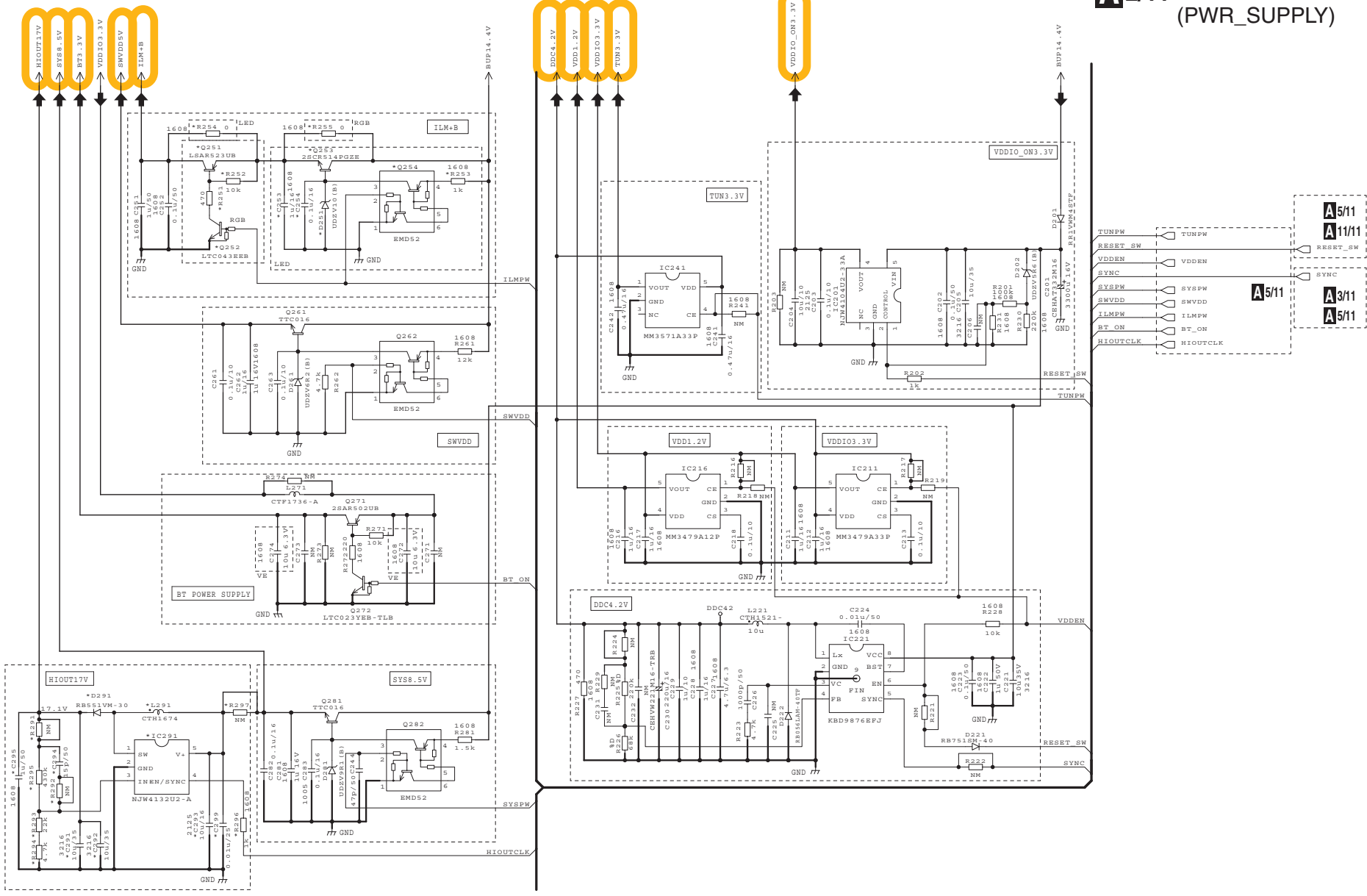
(2) CONTRAST TABLE

MVH-S510BT/XINEW5, MVH-X300BT/XINCS and MVH-X700BT/XINCS are constructed the same except for the following:

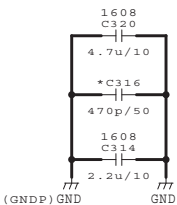
Mark	No.	Description	MVH-S510BT/XINEW5	MVH-X300BT/XINCS	MVH-X700BT/XINCS	
	1	Detach Grille Assy	QXA5624	QXA5625	QXA5626	
	2	Keyboard Unit	QWM4989	QWM4988	QWM4988	
	7	Grille Unit	QXA5534	QXA5535	QXA5536	
*	8	Grille	QNS4249	QNS4248	QNS4248	
*	9	Button Unit	QXA5777	QXA5779	QXA5779	
	12	Button	QAC3298(PHONE)	QAC3299(MIX)	QAC3299(MIX)	
	16	Button	QAC3307 (TRACK,1-6)	QAC3296 (TRACK, PHONE, 1-6)	QAC3296 (TRACK, PHONE, 1-6)	E
	17	Plate	QNM3245	QNM3230	QNM3229	
	24	Knob Unit	QXA5430	QXA5429	QXA5429	
	25	Tuner Amp Unit	QWM4934	QWM4935	QWM4936	
	30	Holder	QNC3158	QNC3156	QNC3158	
	44	Card Remote Control Unit	Not used	CXE9605	CXE9605	
	45	Cover	Not used	CNU3681	CNU3681	
	46	Cord Assy	QDP3072	CDP1484	CDP1484	

10.2 TUNER AMP UNIT (PWR_SUPPLY)

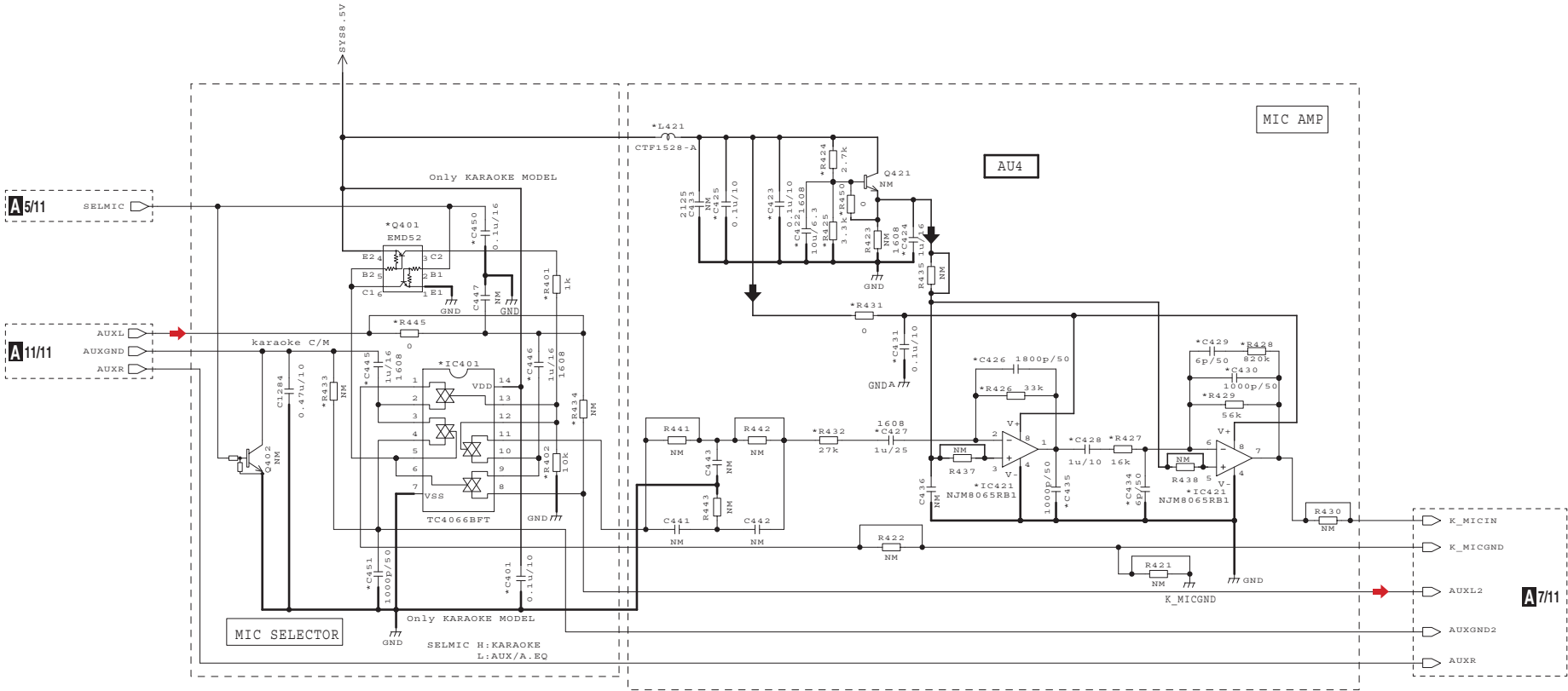
A2/11 TUNER AMP UNIT (PWR_SUPPLY)



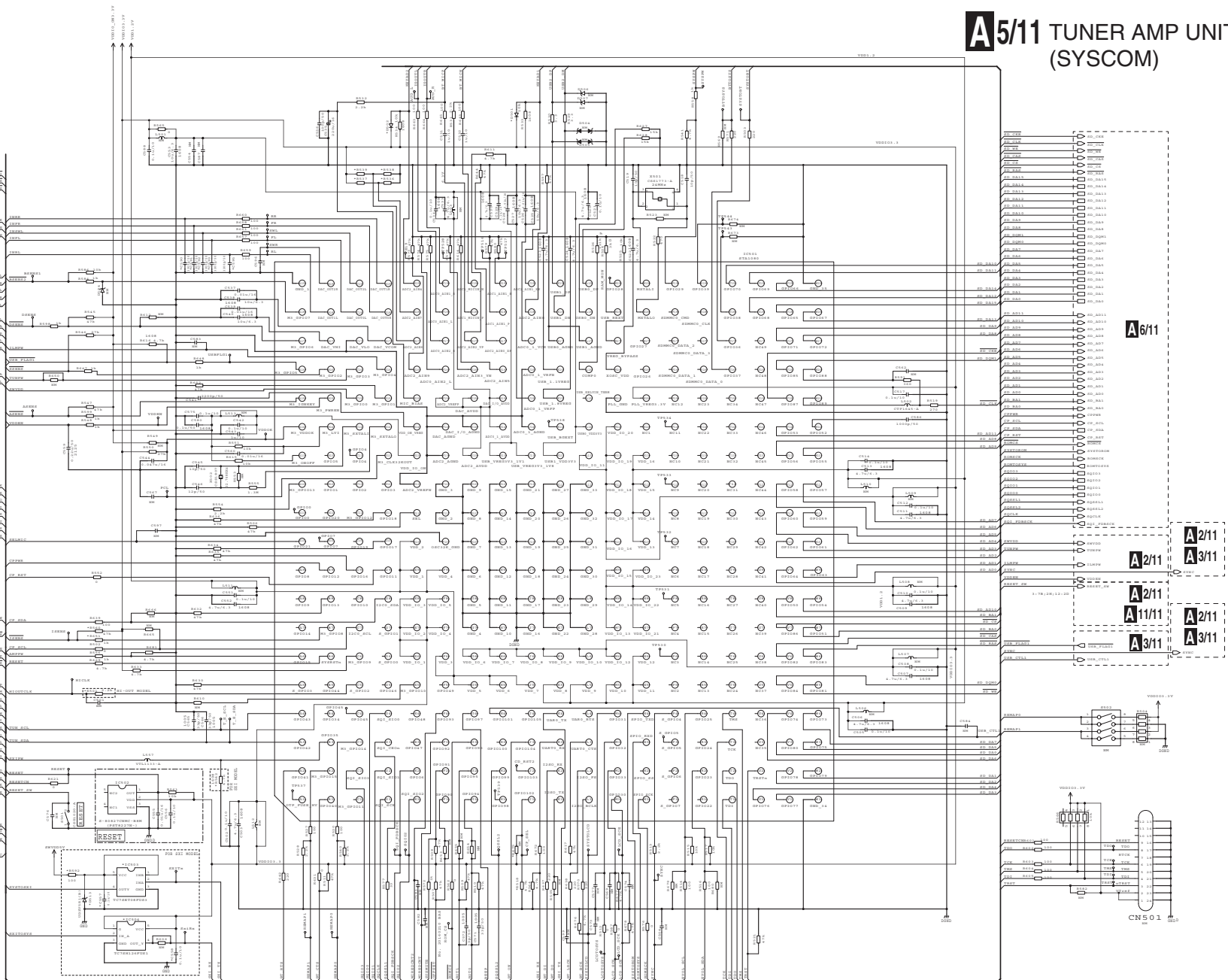
TUNER AMP UNIT
(USB 5V)



A4/11 TUNER AMP UNIT
(MIC_AMP/SEL)



A5/11 TUNER AMP UNIT (SYSCOM)

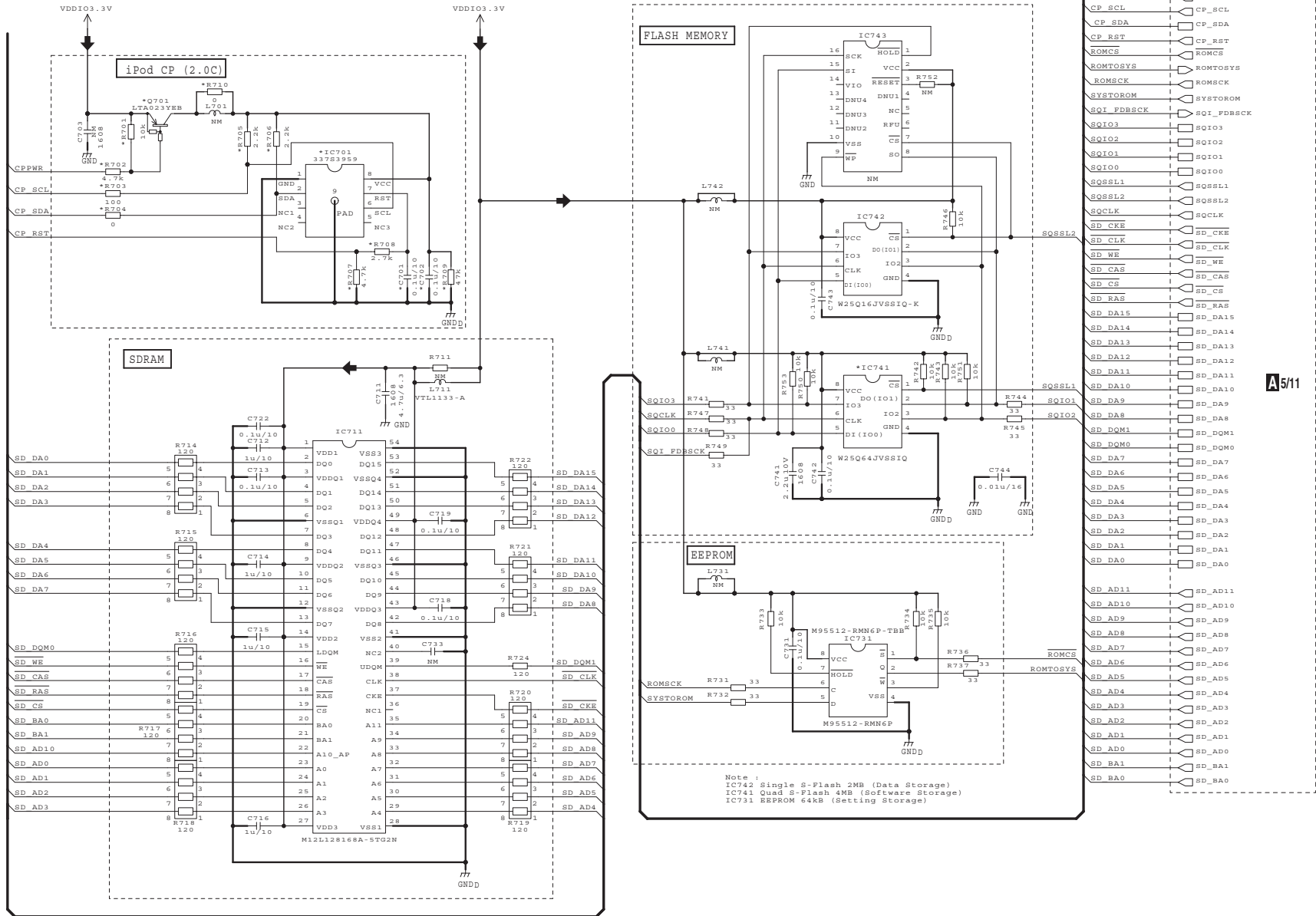


MVH-S510BT/XINIEWS

A5/11

A5/11

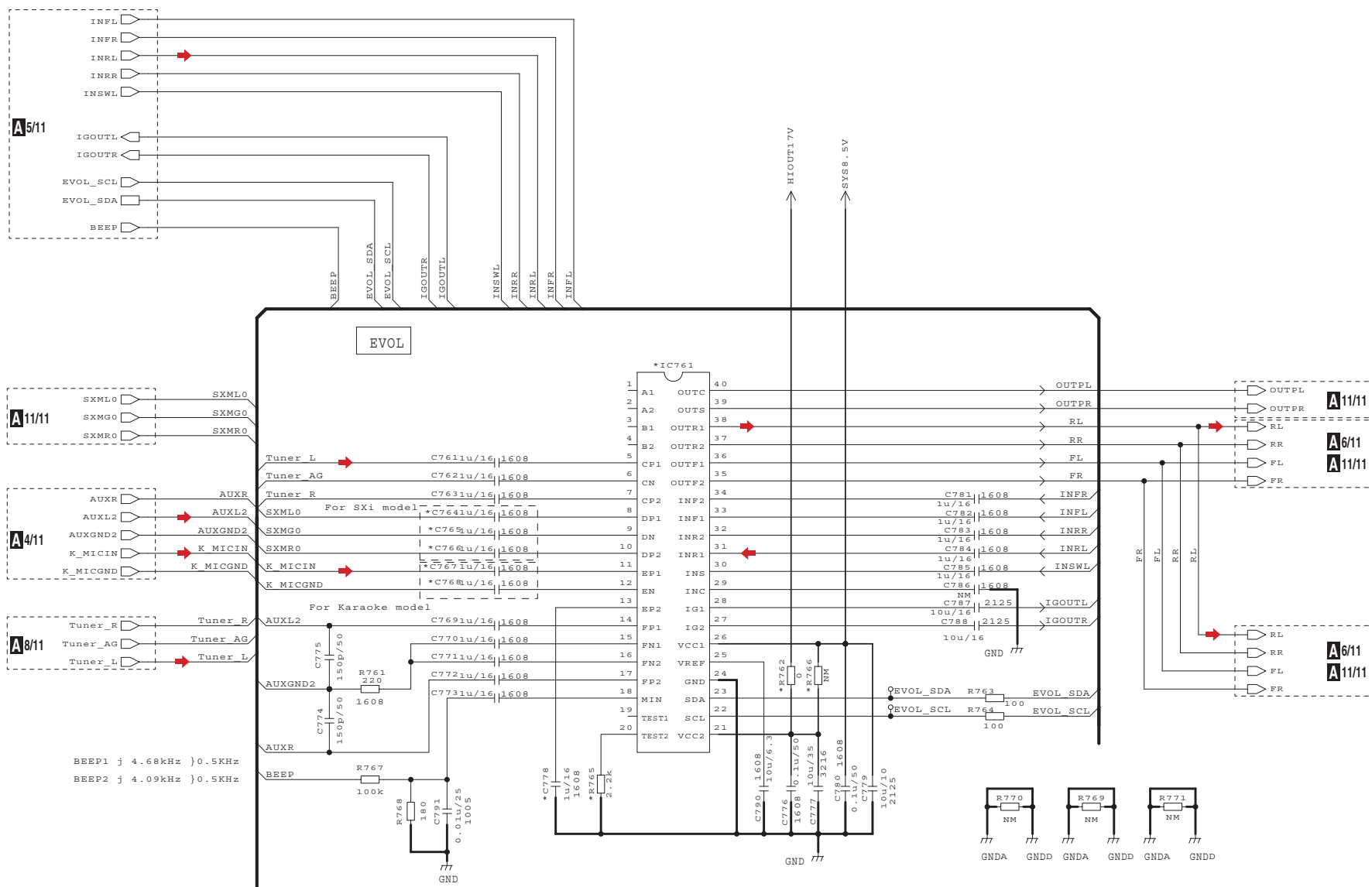
A6/11 TUNER AMP UNIT (I/F iPod FLASH MEM)



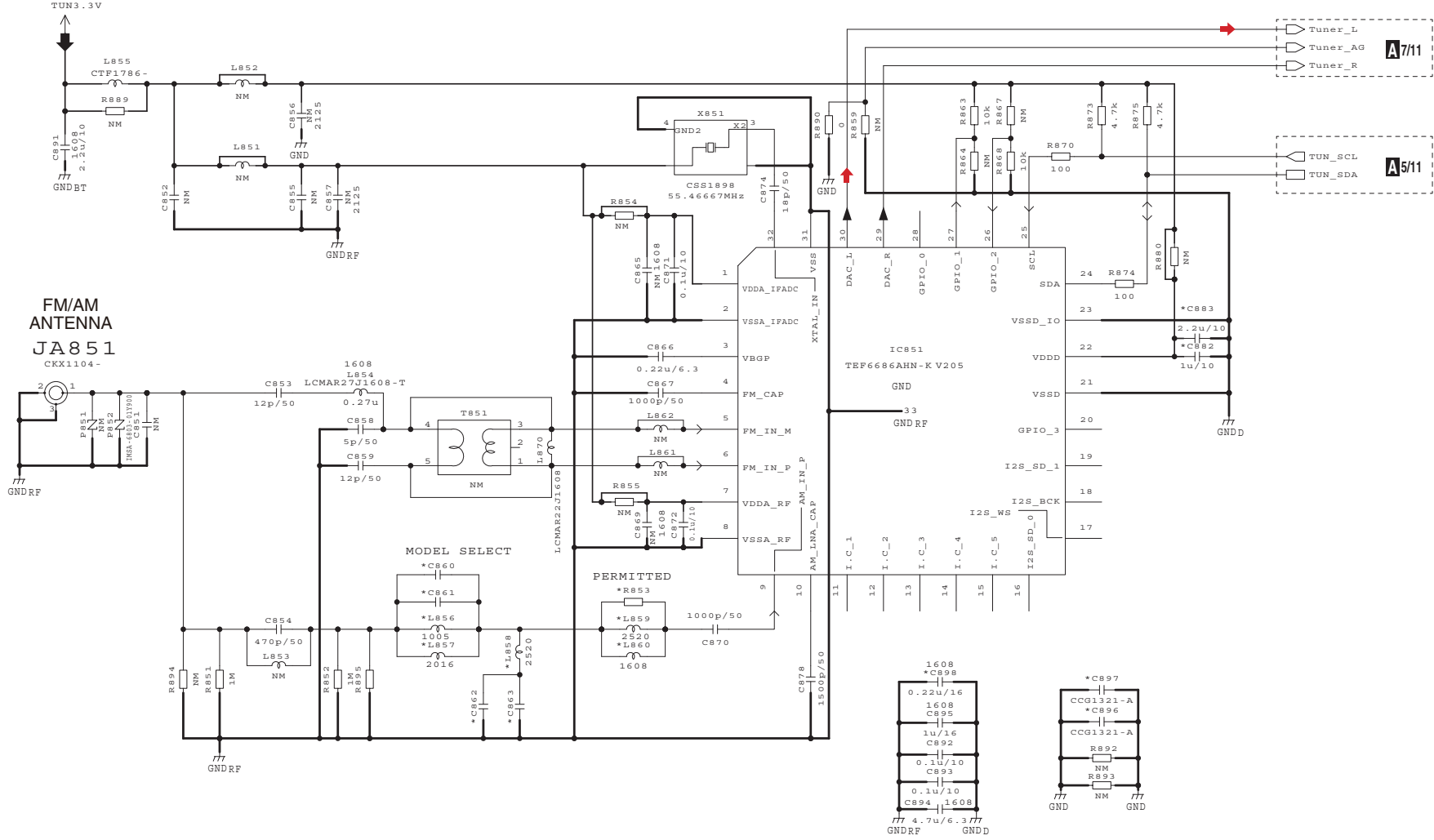
A5/11

Note :
IC742 Single S-Flash 2MB (Data Storage)
IC741 Quad S-Flash 4MB (Software Storage)
IC731 EEPROM 64kb (Setting Storage)

A7/11 TUNER AMP UNIT (E-VOL)

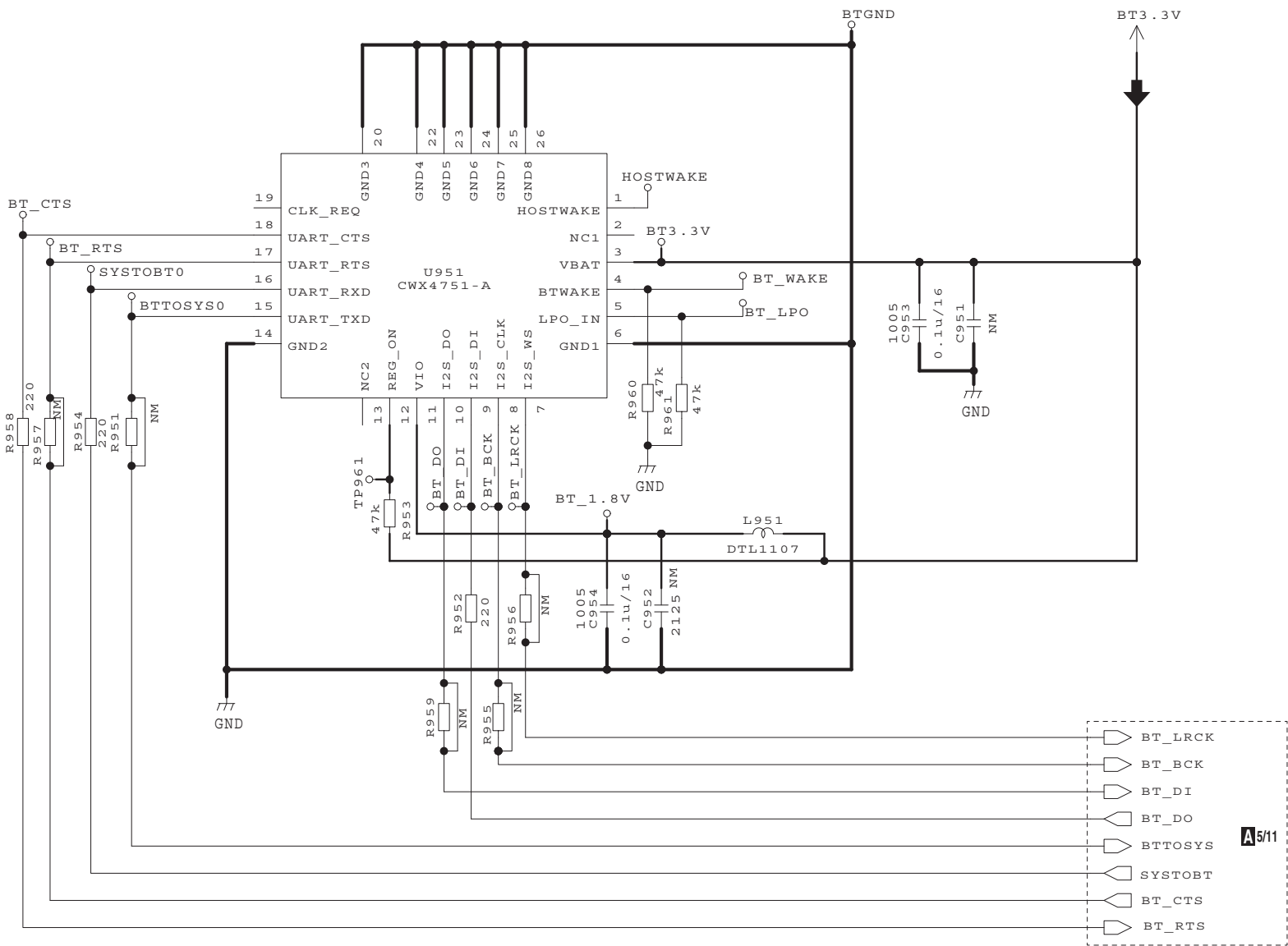


A8/11 TUNER AMP UNIT (LITHIO)



10.9 TUNER AMP UNIT (BT)

A9/11 TUNER AMP UNIT (BT)



A9/11

A9/11

MVH-S510BT/XINIEWS

A

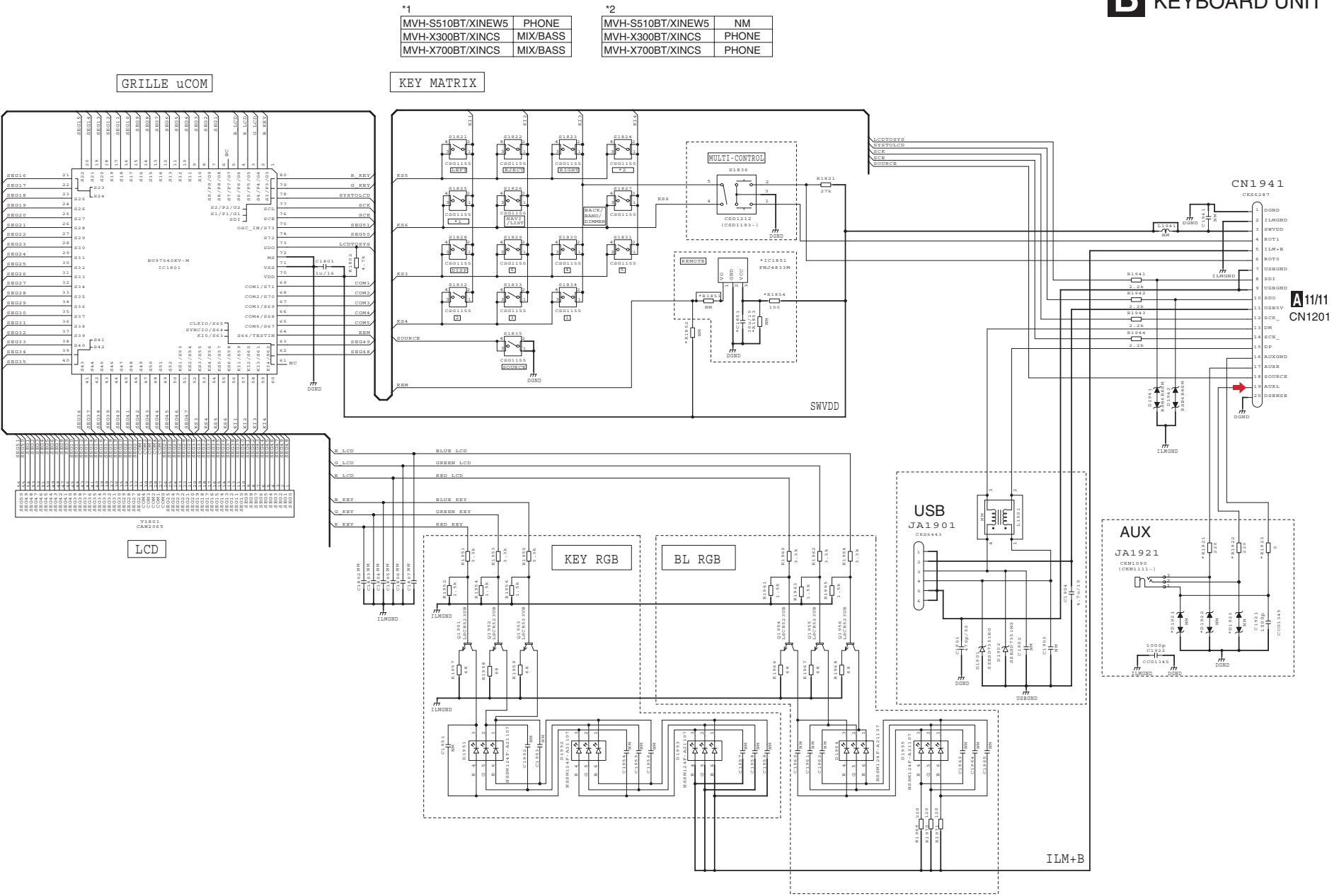


11

11/11



B KEYBOARD UNIT



*1	
MVH-S510BT/XINEW5	PHONE
MVH-X300BT/XINCS	MIX/BASS
MVH-X700BT/XINCS	MIX/BASS

*2	
MVH-S510BT/XINEW5	NM
MVH-X300BT/XINCS	PHONE
MVH-X700BT/XINCS	PHONE

A11/11
CN1201

MVH-S510BT/XINEW5

11.PCB CONNECTION DIAGRAM

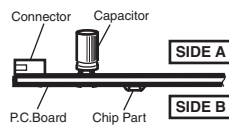
A TUNER AMP UNIT

NOTE FOR PCB DIAGRAMS

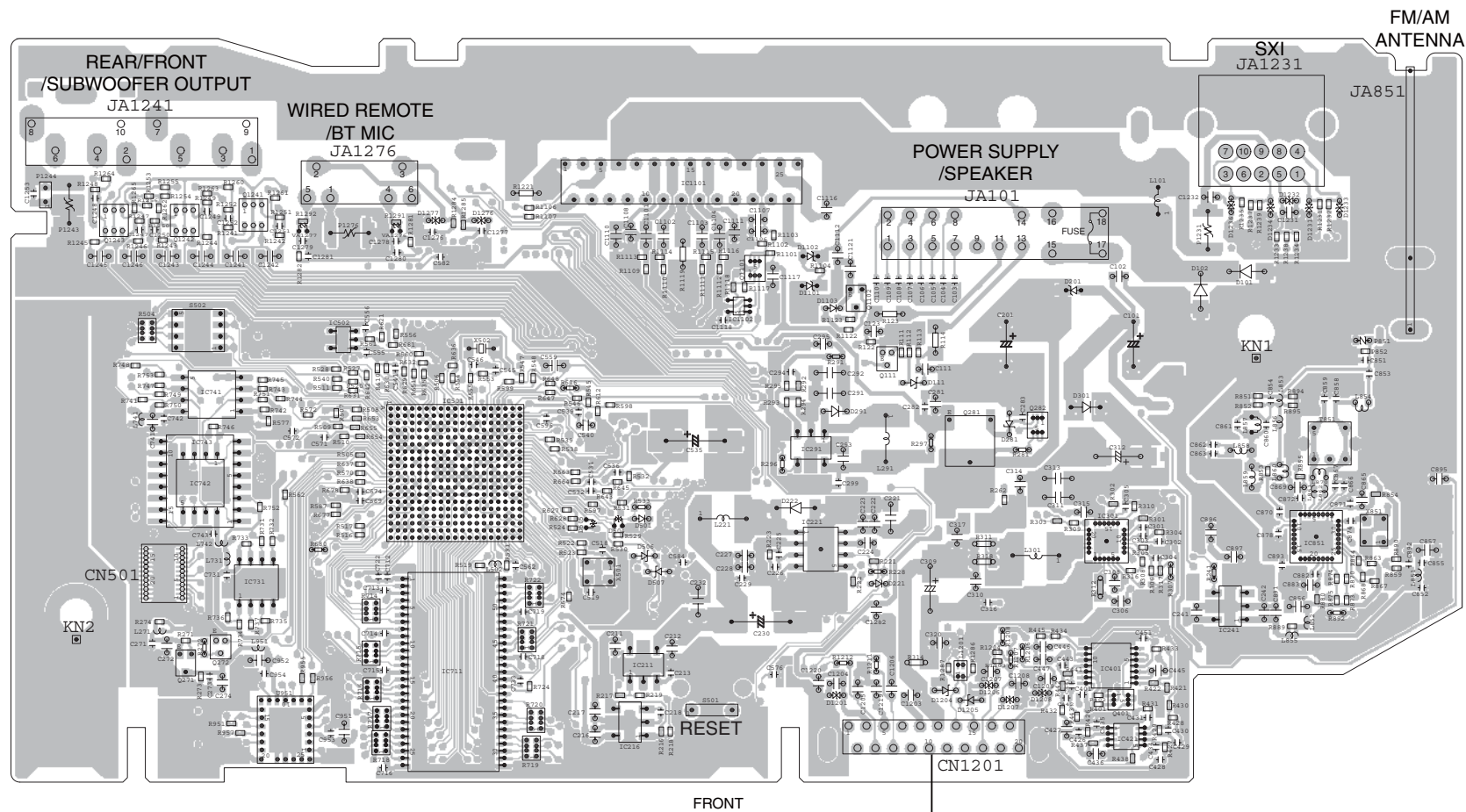
1. The parts mounted on this PCB include all necessary parts for several destination.

For further information for respective destinations, be sure to check with the schematic diagram.

2. Viewpoint of PCB diagrams



SIDE A



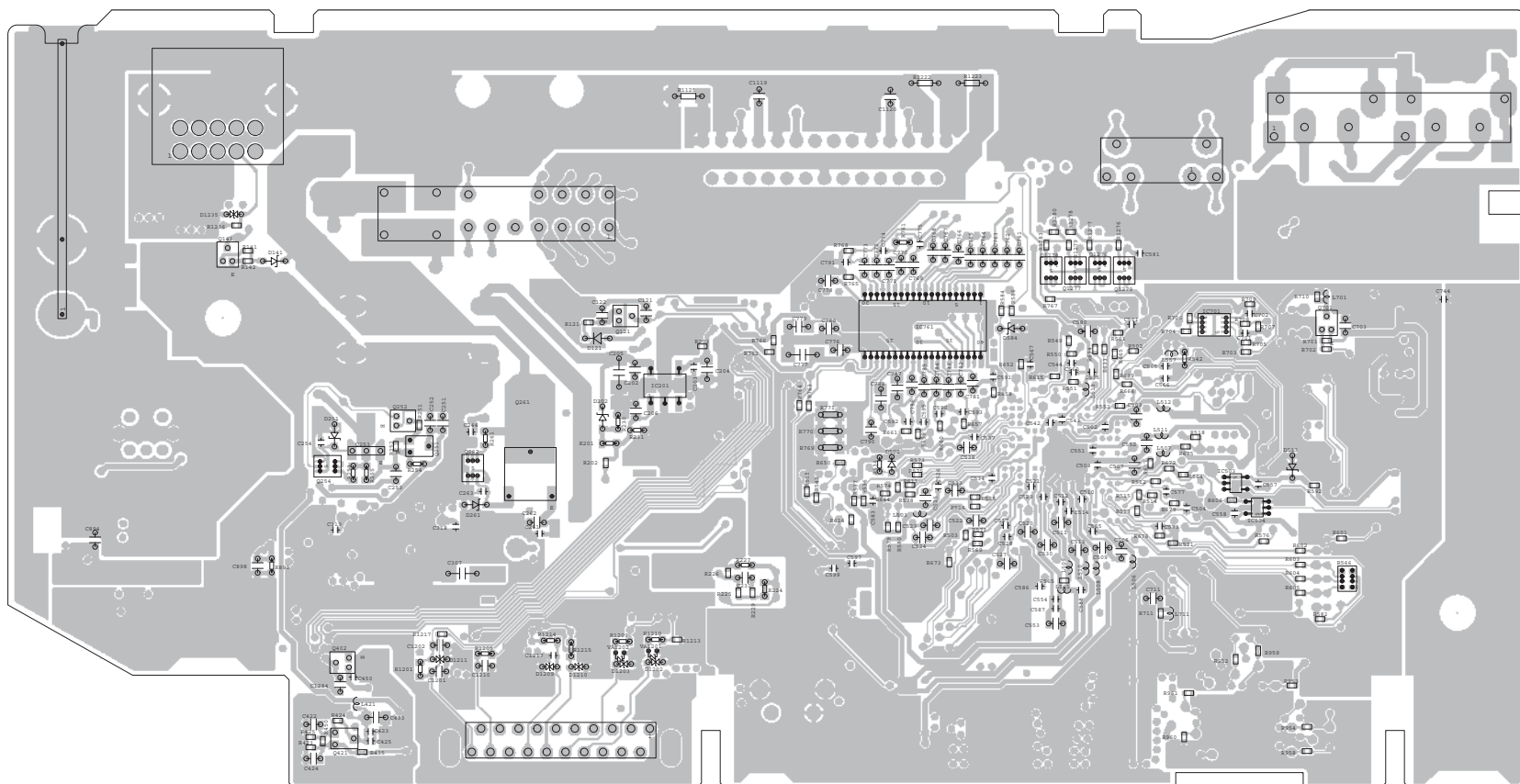
B CN1941

A

A

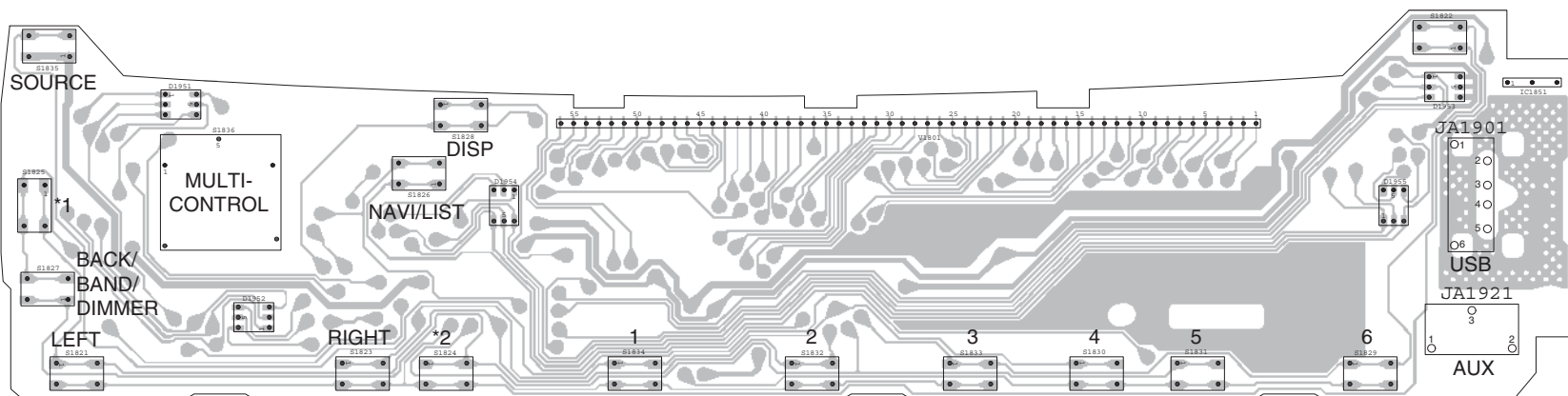
11. PCB CONNECTION DIAGRAM

11.1 TUNER AMP UNIT



SIDE A

B KEYBOARD UNIT



*1

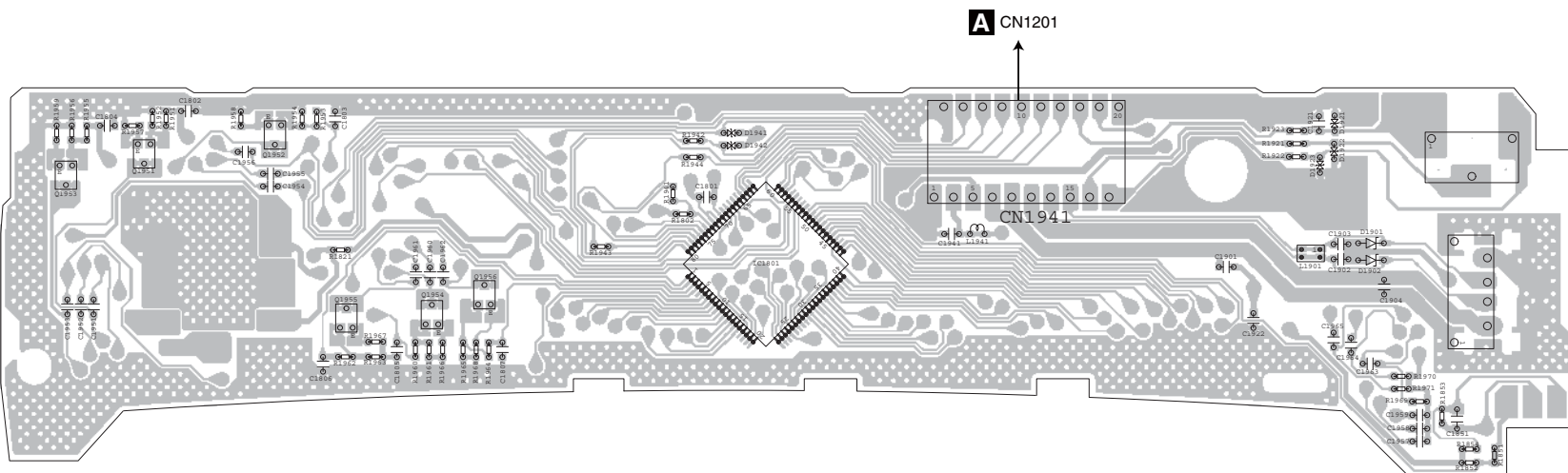
MVH-S510BT/XINEW5	PHONE
MVH-X300BT/XINCS	MIX/BASS
MVH-X700BT/XINCS	MIX/BASS

*2

MVH-S510BT/XINEW5	NM
MVH-X300BT/XINCS	PHONE
MVH-X700BT/XINCS	PHONE

SIDE B

B KEYBOARD UNIT



MVH-S510BT/XINEW5

B

B

12. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○○J,RS1/○○S○○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

- Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.
- The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- The expression of the unit in this manual is shown by u instead of μ . Please do not make a mistake.

<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
A: MVH-S510BT/XINEW5		Q 111	Resistor Built-in Transistor
B: MVH-X300BT/XINCS		Q 121	Resistor Built-in Transistor
C: MVH-X700BT/XINCS		Q 141	Resistor Built-in Transistor
		Q 251	Bipolar Transistor
Unit Number: QWM4934(A)		Q 252	Resistor Built-in Transistor
Unit Number: QWM4935(B)		Q 261	Transistor
Unit Number: QWM4936(C)		Q 262	Transistor
Unit Name : Tuner Amp Unit		Q 271	Transistor
Unit Number: QWM4989(A)		Q 272	Resistor Built-in Transistor
Unit Number: QWM4988(B,C)		Q 281	Transistor
Unit Name : Keyboard Unit		Q 282	Transistor
		Q 401	Transistor
		Q 701	Resistor Built-in Transistor
		Q 1101	Transistor
A		Q 1102	Bipolar Transistor
Unit Number: QWM4934(A)		Q 1241	Transistor(A,C)
Unit Number: QWM4935(B)		Q 1242	Transistor
Unit Number: QWM4936(C)		Q 1243	Transistor
Unit Name : Tuner Amp Unit		Q 1276	Bipolar Transistor(B,C)
MISCELLANEOUS		Q 1277	Bipolar Transistor(B,C)
IC 201	Regulator IC	Q 1278	Bipolar Transistor(B,C)
IC 211	Regulator IC	Q 1279	Bipolar Transistor(B,C)
IC 216	Regulator IC	D 101	Diode
IC 221	DC/DC Converter IC	D 102	Diode
IC 241	Regulator IC	D 111	Zener Diode(A)
		D 111	Zener Diode(B,C)
		D 121	Switching Diode
		D 141	Zener Diode
		D 201	Rectifier Diode
IC 291	DC/DC Converter IC(C)	D 202	Zener Diode
IC 301	DC/DC Converter IC	D 221	Schottky Diode
IC 401	IC	D 222	Schottky Diode
IC 421	Op-amp IC	D 261	Zener Diode
IC 501	Microprocessor IC	D 281	Zener Diode
		D 291	Schottky Diode
		D 301	Schottky Diode
		D 501	Schottky Diode(A)
		D 502	Schottky Diode(A)
		D 1101	Rectifier Diode
IC 502	IC	D 1102	Rectifier Diode
IC 701	IC	D 1103	Schottky Diode
IC 711	RAM IC	D 1201	Zener Diode
IC 731	ROM IC	D 1204	Zener Diode
IC 741	FlashROM Unit	D 1205	Zener Diode
IC 742	Flash Memory IC		
IC 761	E-VOL System LSI(A,B)		
IC 761	E-VOL System LSI(C)		
IC 851	Tuner IC		
IC 1101	Power Amp IC		
IC 1102	Logic IC		

Circuit Symbol and No.**Part No.****Circuit Symbol and No.****Part No.**

A	D 1206	Zener Diode	RSB6R8SM	R 255		XRS1/10SR0R0J
	D 1207	Zener Diode	RSB6R8SM	R 261		XRS1/10SR123J
	D 1208	Zener Diode	RSB6R8SM	R 262		XRS1/16SS472J
	D 1209	Zener Diode	RSB6R8SM	R 271		XRS1/16SS103J
	D 1210	Zener Diode	RSB6R8SM	R 272		XRS1/10SR221J
■	L 101	Choke Coil 120 uH	CTH1620	R 281		XRS1/10SR152J
	L 221	SMD SPL Inductor	CTH1584	R 293	(C)	XRS1/16SS2202D
	L 291	SMD SPL Inductor(C)	CTH1674	R 294	(C)	XRS1/16SS4701D
	L 301	SMD SPL Inductor	CTH1584	R 295	(C)	XRS1/16SS4303D
	L 421	Ferrite Bead	CTF1528	R 296	(C)	XRS1/10SR102J
B	L 502	Inductor	CTF1645	R 304		XRS1/16SS273J
	L 557	Chip Beads	VTL1133	R 305		XRS1/16SS3001D
	L 711	Chip Beads	VTL1133	R 306		XRS1/16SS1602D
	L 854	Inductor	LCMAR27J1608	R 308		XRS1/16SS5600D
	L 855	Inductor	CTF1786	R 309		XRS1/16SS473J
■	L 856	Inductor	CTF1787	R 310		XRS1/16SS304J
	L 860	Inductor	LCYC150K1608	R 311	0.030 ohm	CCN1322
	L 870	Inductor	LCMAR22J1608	R 314		RS1/8SQ331J
	L 951	Chip Ferrite Bead	DTL1107	R 316		XRS1/16SS560J
	L 1201	Noise Filter	CTF1901	R 401		XRS1/16SS102J
C	X 501	Resonator 24 MHz	CSS1773	R 402		XRS1/16SS103J
	X 502	Resonator 32.768 kHz	CSS1807	R 424		XRS1/16SS272J
	X 851	Crystal Resonator 55.46667 MHz	CSS1898	R 425		XRS1/16SS332J
	S 501	Switch(RESET)	CSG1020	R 426		XRS1/16SS333J
	P 852	Surge Absorber	IMSA-6803-01Y900	R 427		XRS1/16SS163J
■	P 1243	Poly Switch	FSMD075-24R	R 428		XRS1/16SS824J
	P 1276	Poly Switch	FSMD075-24R	R 429		XRS1/16SS563J
	VA1201	SMD Varistor	MLV0402ES012V0010N	R 431		XRS1/16SS0R0J
	VA1202	SMD Varistor	MLV0402ES012V0010N	R 432		XRS1/16SS273J
	U 951	BT Module	CWX4751	R 445		XRS1/16SS0R0J
D	CN1201	Connector	CKS6452	R 450		XRS1/16SS0R0J
	JA 101	Plug	CKM1624	R 501	(C)	XRS1/16SS222J
	JA851	Antenna Jack	CKX1104	R 502		XRS1/16SS0R0J
	JA 1241	RCA Jack(A,C)	CKB1113	R 503		XRS1/16SS221J
	JA 1241	RCA Jack(B)	CKB1109	R 506		XRS1/16SS473J
	JA 1276	Jack	CKN1103	R 507		XRS1/16SS473J
				R 508		XRS1/16SS473J
				R 509		XRS1/16SS473J
				R 510		XRS1/16SS473J
				R 511		XRS1/16SS473J

RESISTORS

■	R 111		XRS1/16SS223J	R 512		XRS1/16SS0R0J
	R 112		XRS1/16SS473J	R 513		XRS1/16SS222J
	R 113	(A)	XRS1/16SS333J	R 514		XRS1/16SS101J
	R 113	(B,C)	XRS1/16SS682J	R 515		XRS1/16SS103J
	R 114	(A)	RS1/4SA122J	R 516		XRS1/16SS101J
E	R 114	(B,C)	RS1/4SA102J			
	R 121		XRS1/16SS103J	R 517		XRS1/16SS103J
	R 123		RS1/4SA102J	R 518		XRS1/16SS472J
	R 141		XRS1/16SS104J	R 519		XRS1/16SS271J
	R 142		XRS1/16SS473J	R 520		XRS1/16SS101J
■	R 201		XRS1/10SR104J	R 521		XRS1/16SS473J
	R 202		XRS1/16SS102J	R 522		XRS1/16SS471J
	R 223		XRS1/16SS472J	R 524		XRS1/16SS3001D
	R 225		XRS1/16SS2203D	R 525		XRS1/16SS103J
	R 226		XRS1/16SS6802D	R 526		XRS1/16SS1213F
F	R 227		XRS1/10SR471J	R 527		XRS1/16SS101J
	R 228		XRS1/10SR103J	R 528		XRS1/16SS222J
	R 230		XRS1/10SR224J	R 529		XRS1/16SS3R3J
	R 251		XRS1/16SS471J	R 530		XRS1/16SS3R3J
	R 252		XRS1/16SS103J	R 531		XRS1/16SS222J
				R 532		XRS1/16SS222J

5		6		7		8	
<u>Circuit Symbol and No.</u>		<u>Part No.</u>		<u>Circuit Symbol and No.</u>		<u>Part No.</u>	
R 533		XRS1/10SR103J		R 631		XRS1/16SS0R0J	
R 534		XRS1/10SR103J		R 632		XRS1/16SS473J	
R 536		XRS1/16SS472J		R 633		XRS1/16SS472J	A
R 538 (A)		XRS1/16SS472J		R 634		XRS1/16SS473J	
R 538 (B)		XRS1/16SS103J		R 635		XRS1/16SS473J	
				R 636		XRS1/16SS473J	
R 538 (C)		XRS1/16SS223J					
R 539 (B,C)		XRS1/16SS473J		R 637		XRS1/16SS221J	
R 540		XRS1/16SS222J		R 638		XRS1/16SS221J	
R 541		XRS1/16SS472J		R 639		XRS1/16SS101J	
R 545		XRS1/16SS473J		R 642		XRS1/16SS221J	
				R 643		XRS1/16SS101J	
R 546		XRS1/16SS273J					
R 547		XRS1/16SS473J		R 644		XRS1/16SS473J	
R 548		XRS1/16SS102J		R 645		XRS1/16SS101J	B
R 550		XRS1/16SS273J		R 647		XRS1/16SS102J	
R 551		XRS1/16SS103J		R 648		XRS1/16SS102J	
				R 651		XRS1/16SS102J	
R 552		XRS1/16SS0R0J					
R 554		XRS1/16SS222J		R 652		XRS1/16SS473J	
R 555		XRS1/16SS135J		R 657		XRS1/16SS101J	
R 556		XRS1/16SS102J		R 658		XRS1/16SS101J	
R 558		XRS1/16SS102J		R 659		XRS1/16SS101J	
				R 660		XRS1/16SS101J	
R 560		XRS1/16SS473J					
R 561		XRS1/16SS103J		R 661		XRS1/16SS101J	
R 562		XRS1/16SS0R0J		R 663		XRS1/16SS101J	
R 564		XRS1/16SS472J		R 664		XRS1/16SS101J	C
R 565		XRS1/16SS0R0J		R 672		XRS1/16SS101J	
				R 676		XRS1/16SS472J	
R 566		RAB4CQ103J					
R 570		XRS1/16SS221J		R 677		XRS1/16SS472J	
R 571		XRS1/16SS221J		R 678		XRS1/16SS472J	
R 572		XRS1/16SS102J		R 681		XRS1/16SS472J	
R 573		XRS1/16SS473J		R 701		XRS1/16SS103J	
				R 702		XRS1/16SS472J	
R 574		XRS1/16SS473J					
R 575		XRS1/16SS473J		R 703		XRS1/16SS101J	
R 576		XRS1/16SS0R0J		R 704		XRS1/16SS0R0J	
R 577		XRS1/16SS330J		R 705		XRS1/16SS222J	
R 578		XRS1/16SS473J		R 706		XRS1/16SS222J	D
				R 707		XRS1/16SS472J	
R 579		XRS1/16SS473J					
R 580		XRS1/16SS473J		R 708		XRS1/16SS272J	
R 584		XRS1/16SS102J		R 709		XRS1/16SS473J	
R 586		XRS1/16SS103J		R 710		XRS1/16SS0R0J	
R 587		XRS1/16SS0R0J		R 714		RAB4CQ121J	
				R 715		RAB4CQ121J	
R 591		XRS1/16SS361J					
R 597		XRS1/16SS473J		R 716		RAB4CQ121J	
R 598		XRS1/16SS102J		R 717		RAB4CQ121J	
R 599		XRS1/16SS102J		R 718		RAB4CQ121J	
R 601		XRS1/16SS101J		R 719		RAB4CQ121J	
				R 720		RAB4CQ121J	E
R 602		XRS1/16SS101J					
R 603		XRS1/16SS101J		R 721		RAB4CQ121J	
R 604		XRS1/16SS101J		R 722		RAB4CQ121J	
R 605		XRS1/16SS101J		R 724		XRS1/16SS121J	
R 611		XRS1/16SS472J		R 731		XRS1/16SS330J	
				R 732		XRS1/16SS330J	
R 614		XRS1/16SS473J					
R 615		XRS1/16SS103J		R 733		XRS1/16SS103J	
R 616		XRS1/10SR472J		R 734		XRS1/16SS103J	
R 617		XRS1/16SS473J		R 735		XRS1/16SS103J	
R 621		XRS1/16SS0R0J		R 736		XRS1/16SS330J	
				R 737		XRS1/16SS330J	
R 627		XRS1/16SS153J					
R 628		XRS1/16SS153J		R 741		XRS1/16SS330J	F
R 629		XRS1/16SS472J		R 742		XRS1/16SS103J	
R 630		XRS1/16SS473J		R 743		XRS1/16SS103J	

	<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
	R 744	XRS1/16SS330J	R 1209	XRS1/10SR222J
	R 745	XRS1/16SS330J	R 1210	XRS1/10SR222J
			R 1211	XRS1/10SR222J
A	R 746	XRS1/16SS103J		
	R 747	XRS1/16SS330J	R 1212	XRS1/10SR222J
	R 748	XRS1/16SS330J	R 1213	XRS1/16SS123J
	R 749	XRS1/16SS330J	R 1214	XRS1/10SR222J
	R 750	XRS1/16SS103J	R 1215	XRS1/10SR101J
			R 1221	RS1/4SA0R0J
	R 751	XRS1/16SS103J		
	R 753	XRS1/16SS103J	R 1223	RS1/4SA0R0J
	R 761	XRS1/10SR221J	R 1241 (A)	XRS1/16SS821J
	R 762 (C)	XRS1/16SS0R0J	R 1241 (C)	XRS1/16SS470J
	R 763	XRS1/16SS101J	R 1242 (A)	XRS1/16SS821J
			R 1242 (C)	XRS1/16SS470J
B	R 764	XRS1/16SS101J		
	R 765 (C)	XRS1/16SS222J	R 1243 (A,B)	XRS1/16SS821J
	R 766 (A,B)	XRS1/16SS0R0J	R 1243 (C)	XRS1/16SS470J
	R 767	XRS1/16SS104J	R 1244 (A,B)	XRS1/16SS821J
	R 768	XRS1/16SS181J	R 1244 (C)	XRS1/16SS470J
			R 1245 (A,B)	XRS1/16SS821J
	R 851	XRS1/16SS105J		
	R 852	XRS1/16SS105J	R 1245 (C)	XRS1/16SS470J
	R 853	XRS1/16SS391J	R 1246 (A,B)	XRS1/16SS821J
	R 863	XRS1/16SS103J	R 1246 (C)	XRS1/16SS470J
	R 868	XRS1/16SS103J	R 1247	XRS1/16SS223J
			R 1248	XRS1/16SS223J
	R 870	XRS1/16SS101J		
C	R 873	XRS1/16SS472J	R 1249	XRS1/16SS223J
	R 874	XRS1/16SS101J	R 1250	XRS1/16SS223J
	R 875	XRS1/16SS472J	R 1251 (A,C)	XRS1/16SS223J
	R 890	XRS1/16SS0R0J	R 1252 (A,C)	XRS1/16SS223J
			R 1253 (A,C)	XRS1/16SS0R0J
	R 952	XRS1/16SS221J		
	R 953	XRS1/16SS473J	R 1254 (B)	XRS1/16SS0R0J
	R 954	XRS1/16SS221J	R 1255 (A,C)	XRS1/16SS0R0J
	R 958	XRS1/16SS221J	R 1256 (B)	XRS1/16SS0R0J
	R 960	XRS1/16SS473J	R 1260 (A,C)	XRS1/16SS0R0J
			R 1261 (A,C)	XRS1/16SS0R0J
	R 961	XRS1/16SS473J		
	R 1101	XRS1/16SS123J	R 1262	XRS1/16SS0R0J
D	R 1102	XRS1/16SS103J	R 1263	XRS1/16SS0R0J
	R 1103	XRS1/16SS221J	R 1264	XRS1/16SS0R0J
	R 1106	XRS1/16SS103J	R 1265	XRS1/16SS0R0J
			R 1276 (B,C)	XRS1/16SS8201D
	R 1107	XRS1/16SS0R0J		
	R 1109 (A,B)	XRS1/16SS0R0J	R 1277 (B,C)	XRS1/16SS6800D
	R 1109 (C)	XRS1/16SS432J	R 1278 (A)	XRS1/16SS102J
	R 1110 (A,B)	XRS1/16SS0R0J	R 1278 (B,C)	XRS1/16SS1001D
	R 1110 (C)	XRS1/16SS432J	R 1279 (B,C)	XRS1/16SS6800D
			R 1280 (A)	XRS1/16SS102J
	R 1111 (A,B)	XRS1/16SS0R0J		
	R 1111 (C)	XRS1/16SS432J	R 1280 (B,C)	XRS1/16SS1001D
	R 1112 (A,B)	XRS1/16SS0R0J	R 1281	XRS1/16SS101J
E	R 1112 (C)	XRS1/16SS432J	R 1282	XRS1/16SS101J
	R 1113 (C)	XRS1/16SS272J	R 1283 (B,C)	XRS1/16SS8201D
	R 1114 (C)	XRS1/16SS272J		
	R 1115 (C)	XRS1/16SS272J		
	R 1116 (C)	XRS1/16SS272J		
	R 1122	XRS1/16SS103J		
	R 1123	XRS1/16SS102J		
	R 1201	XRS1/10SR222J		
	R 1203	XRS1/16SS223J		
	R 1204	XRS1/16SS223J		
F	R 1205	XRS1/10SR222J		
	R 1206	XRS1/10SR221J		
	R 1207	XRS1/10SR221J		
	R 1208	XRS1/10SR0R0J		

CAPACITORS

C 101	CEHAT222M16
C 102	CKSRYB103K50
C 111	CKSRYX104K50
C 122	CKSRYX105K50
C 201	CEHAT332M16
C 202	CKSRYX104K50
C 203	CKSSYB104K10
C 204	CKSQYX106K10
C 205	CKSYX106K35
C 211	CKSRYX105K16

5		6		7		8	
<u>Circuit Symbol and No.</u>		<u>Part No.</u>		<u>Circuit Symbol and No.</u>		<u>Part No.</u>	
C 212		CKSRYX105K16				CKSRYX105K16	
C 213		CKSSYB104K10		C 445		CKSRYX105K16	
C 216		CKSRYX105K16		C 446		CKSSYB104K16	A
C 217		CKSRYX105K16		C 450		CKSSYB102K50	
C 218		CKSSYB104K10		C 451		CKSSYB104K10	
				C 502			
C 221		CKSYX106K35					
C 222		CKSRYX105K50		C 503		CKSRYX475K6R3	
C 223		CKSRYX104K50		C 505		CKSSYB104K10	
C 224		CKSRYB103K50		C 506		CKSRYX475K6R3	
C 226		CKSSYB102K50		C 507		CKSRYX475K6R3	
				C 508		CKSSYB104K10	
C 227		CKSRYX475K6R3					
C 228		CKSRYX105K16		C 509		CKSRYX475K6R3	
C 229		CKSSYX105K10		C 510		CKSSYB104K10	
C 230		CEHVW221M16		C 511		CKSRYX475K6R3	B
C 241		CKSRYB474K16		C 512		CKSSYB104K10	
				C 513		CKSRYX475K6R3	
C 242		CKSRYB474K16					
C 244		CCSSCH470J50		C 514		CKSSYB104K10	
C 251		CKSRYX105K50		C 517		CKSSYB104K10	
C 252		CKSRYX104K50		C 518		CCSSCH100D50	
C 261		CKSSYB104K10		C 519		CCSSCH100D50	
				C 520		CKSRYX475K6R3	
C 262		CKSRYX105K16					
C 263		CKSSYB104K10		C 521		CKSSYB104K10	
C 272		CKSRYX106M6R3		C 522		CKSRYX475K6R3	
C 274		CKSRYX106M6R3		C 523		CKSRYX475K6R3	
C 281		CKSRYX105K16		C 524		CKSRYX475K6R3	C
				C 525		CKSRYX106M6R3	
C 282		CKSSYB104K16					
C 283		CKSSYB104K16		C 526		CKSSYB103K16	
C 291	10 uF/35 V(C)	CCG1236		C 527		CKSRYX106M6R3	
C 292	10 uF/35 V(C)	CCG1236		C 528		CKSSYB103K16	
C 293	(C)	CKSQYX106K16		C 529		CKSSYB104K10	
				C 530		CKSRYX475K6R3	
C 294	(C)	CCSSCH150J50					
C 295	(C)	CKSRYX105K50		C 531		CKSSYX105K10	
C 299	(C)	CKSSYB103K25		C 532		CKSSYX105K10	
C 301		CKSSYB153K16		C 533		CKSRYX475K6R3	
C 302		CKSSYB222K50		C 534		CKSSYB104K10	
				C 535		CEHVW221M16	D
C 304		CKSSYB221K50					
C 305		CKSSYX105K10		C 536		CCSSCH101J50	
C 306		CKSRYX104K50		C 537		CKSSYB103K16	
C 307		CKSYX226M16		C 538		CKSRYX106M6R3	
C 308		CKSRYX225K10		C 539		CKSSYB103K16	
				C 540		CKSRYX106M6R3	
C 309		CEHVW470M16					
C 310		CKSRYB224K16		C 541		CKSSYB222K50	
C 311	10 uF	CCG1236		C 542		CKSSYB104K10	
C 312		CEHVW470M16		C 543		CKSSYX105K10	
C 314		CKSRYX225K10		C 544		CKSSYB473K16	
				C 545		CCSSCH100D50	
C 318		CCSSCH470J50					
C 320		CKSRYX475K10		C 546		CCSSCH120J50	E
C 401		CKSSYB104K10		C 551		CKSSYB104K10	
C 422		CKSRYX106M6R3		C 552		CKSRYX475K6R3	
C 423		CKSSYB104K10		C 553		CKSRYX106M6R3	
				C 555		CKSSYB103K16	
C 424		CKSRYX105K16					
C 425		CKSSYB104K10		C 556		CKSSYB104K10	
C 426		CKSSYB182K50		C 559		CKSQYB224K50	
C 427		CKSRYX105K25		C 560		CKSSYB103K16	
C 428		CKSSYX105K10		C 565		CCSSCH330J50	
				C 566		CCSSCH330J50	
C 429		CCSSCH6R0D50					
C 430		CKSSYB102K50		C 571		CCSSCH330J50	F
C 431		CKSSYB104K10		C 572		CCSSCH330J50	
C 434		CCSSCH6R0D50		C 575		CKSSYB104K10	
C 435		CKSSYB102K50		C 580		CKSRYX104K50	

Circuit Symbol and No.**Part No.****Circuit Symbol and No.****Part No.**

	C 586		CKSSYB102K50		C 867		CKSSYB102K50
					C 870		CKSSYB102K50
A	C 588		CKSSYB104K10				
	C 590 (A,B)		CKSSYB472K50		C 871		CKSSYB104K10
	C 590 (C)		CKSSYB332K50		C 872		CKSSYB104K10
	C 591 (A,B)		CKSSYB472K50		C 874		CCSSCH180J50
	C 591 (C)		CKSSYB332K50		C 878		CKSSYB152K50
					C 883		CKSRYX225K10
	C 592 (A,B)		CKSSYB472K50				
	C 592 (C)		CKSSYB332K50		C 891		CKSRYX225K10
	C 593 (A,B)		CKSSYB472K50		C 892		CKSSYB104K10
	C 593 (C)		CKSSYB332K50		C 893		CKSSYB104K10
	C 595 (A,B)		CKSSYB472K50		C 894		CKSRYX475K6R3
					C 895		CKSRYX105K16
	C 595 (C)		CKSSYB332K50				
B	C 701		CKSSYB104K10		C 953		CKSSYB104K16
	C 702		CKSSYB104K10		C 954		CKSSYB104K16
	C 711		CKSRYX475K6R3		C 1101		CKSQYB474K25
	C 712		CKSSYX105K10		C 1102		CKSQYB474K25
					C 1103		CKSQYB474K25
	C 713		CKSSYB104K10				
	C 714		CKSSYX105K10		C 1104		CKSQYB474K25
	C 715		CKSSYX105K10		C 1106		CKSRYX474K10
	C 716		CKSSYX105K10		C 1108		CKSRYX104K50
	C 718		CKSSYB104K10		C 1110		CKSQYX106K16
					C 1111		CKSRYX225K10
	C 719		CKSSYB104K10				
	C 722		CKSSYB104K10		C 1112		CKSRYX104K50
C	C 731		CKSSYB104K10		C 1118		CKSSYB104K10
	C 741		CKSRYX225K10		C 1119		CKSRYX104K50
	C 742		CKSSYB104K10		C 1120		CKSRYX104K50
					C 1121		CKSRYX106M6R3
	C 743		CKSSYB104K10				
	C 744		CKSSYB103K16		C 1201 1 000 pF		CCG1345
	C 761		CKSRYX105K16		C 1202		CKSRYX104K50
	C 762		CKSRYX105K16		C 1203		CKSRYX104K50
	C 763		CKSRYX105K16		C 1204		CKSRYX105K16
					C 1205		CCSRCH221J50
	C 767		CKSRYX105K16				
	C 768		CKSRYX105K16		C 1206		CCSRCH221J50
	C 769		CKSRYX105K16		C 1210		CKSRYX105K16
D	C 770		CKSRYX105K16		C 1217		CCSSCH121J50
	C 771		CKSRYX105K16		C 1241 (A)		CKSQYX106K10
					C 1241 (C)		CKSQYX106K25
	C 772		CKSRYX105K16				
	C 773		CKSRYX105K16		C 1242 (A)		CKSQYX106K10
	C 774		CCSSCH151J50		C 1242 (C)		CKSQYX106K25
	C 775		CCSSCH151J50		C 1243 (A,B)		CKSQYX106K10
	C 776		CKSRYX104K50		C 1243 (C)		CKSQYX106K25
					C 1244 (A,B)		CKSQYX106K10
	C 777 10 uF		CCG1236				
	C 778		CKSRYX105K16		C 1244 (C)		CKSQYX106K25
	C 779		CKSQYX106K10		C 1245 (A,B)		CKSQYX106K10
	C 780		CKSRYX104K50		C 1245 (C)		CKSQYX106K25
E	C 781		CKSRYX105K16		C 1246 (A,B)		CKSQYX106K10
					C 1246 (C)		CKSQYX106K25
	C 782		CKSRYX105K16				
	C 783		CKSRYX105K16		C 1247 (A,B)		CCSSCH102J50
	C 784		CKSRYX105K16		C 1247 (C)		CKSSYB103K16
	C 785		CKSRYX105K16		C 1248 (A,B)		CCSSCH102J50
	C 787		CKSQYX106K16		C 1248 (C)		CKSSYB103K16
					C 1249 (A,B)		CCSSCH102J50
	C 788		CKSQYX106K16				
	C 790		CKSRYX106M6R3		C 1249 (C)		CKSSYB103K16
	C 791		CKSSYB103K25		C 1250 (A,B)		CCSSCH102J50
	C 853		CCSSCH120J50		C 1250 (C)		CKSSYB103K16
F	C 854		CCSSCH471J50		C 1251 (A)		CCSSCH102J50
					C 1251 (C)		CKSSYB103K16
	C 858		CCSSCH5R0C50				
	C 859		CCSSCH120J50		C 1252 (A)		CCSSCH102J50
	C 866		CKSSYB224K6R3		C 1252 (C)		CKSSYB103K16

<u>Circuit Symbol and No.</u>	<u>Part No.</u>
C 1276	CKSSYB104K16
C 1277	CKSSYB104K16
C 1278	CKSSYB104K16
C 1279	CKSSYB104K16
C 1280	CKSSYB102K50
C 1281	CKSSYB102K50
C 1284	CKSRYB474K10

B**Unit Number: QWM4989(A)****Unit Number: QWM4988(B,C)****Unit Name : Keyboard Unit****MISCELLANEOUS**

IC 1801	Driver IC	BU97540KV-M
IC 1851	IR RC REC Module(B,C)	PNJ4833M
Q 1951	Bipolar Transistor	LSCR523UB
Q 1952	Bipolar Transistor	LSCR523UB
Q 1953	Bipolar Transistor	LSCR523UB
Q 1954	Bipolar Transistor	LSCR523UB
Q 1955	Bipolar Transistor	LSCR523UB
Q 1956	Bipolar Transistor	LSCR523UB
D 1901	Zener Diode	SZESD7351HG
D 1902	Zener Diode	SZESD7351HG
D 1941	Zener Diode	RSB6R8SM
D 1942	Zener Diode	RSB6R8SM
D 1951	LED	NSSM124F-A21107
D 1952	LED	NSSM124F-A21107
D 1953	LED	NSSM124F-A21107
D 1954	LED	NSSM124F-A21107
D 1955	LED	NSSM124F-A21107
S 1821	Push Switch	CSG1155
S 1822	Push Switch	CSG1155
S 1823	Push Switch	CSG1155
S 1824	Push Switch	CSG1155
S 1825	Push Switch	CSG1155
S 1826	Push Switch	CSG1155
S 1827	Push Switch	CSG1155
S 1828	Push Switch	CSG1155
S 1829	Push Switch	CSG1155
S 1830	Push Switch	CSG1155
S 1831	Push Switch	CSG1155
S 1832	Push Switch	CSG1155
S 1833	Push Switch	CSG1155
S 1834	Push Switch	CSG1155
S 1835	Push Switch	CSG1155
S 1836	Rotary Encoder(MULTI-CONTROL)	CSD1212
CN1941	Connector	CKS6287
JA 1901	Connector	CKS6443
JA 1921	Jack	CKN1090
V 1801	Segment LCD	CAW2065

RESISTORS

R 1802		XRS1/10SR472J
R 1821		XRS1/10SR273J
R 1852	(A)	XRS1/10SR473J
R 1854	(B,C)	XRS1/10SR101J
R 1921		XRS1/10SR0R0J

Circuit Symbol and No.**Part No.**

R 1922	XRS1/10SR0R0J
R 1923	XRS1/10SR0R0J
R 1941	XRS1/10SR222J
R 1942	XRS1/10SR222J
R 1943	XRS1/10SR222J
R 1944	XRS1/10SR222J
R 1951	XRS1/10SR332J
R 1952	XRS1/10SR152J
R 1953	XRS1/10SR332J
R 1954	XRS1/10SR152J

R 1955	XRS1/10SR332J
R 1956	XRS1/10SR152J
R 1957	XRS1/10SR680J
R 1958	XRS1/10SR680J
R 1959	XRS1/10SR680J

R 1960	XRS1/10SR332J
R 1961	XRS1/10SR152J
R 1962	XRS1/10SR332J
R 1963	XRS1/10SR152J
R 1964	XRS1/10SR332J

R 1965	XRS1/10SR152J
R 1966	XRS1/10SR680J
R 1967	XRS1/10SR680J
R 1968	XRS1/10SR680J
R 1969	XRS1/10SR221J

R 1970	XRS1/10SR121J
R 1971	XRS1/10SR121J

CAPACITORS

C 1801		CKSRYX105K16
C 1851	(B,C)	CKSQYX106K10
C 1901		CCSRCH471J50
C 1904		CKSRYX475K10
C 1921	1 000 pF	CCG1345

C 1922	1 000 pF	CCG1345
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