NW-A805/A806/A808/
NWZ-A815/A816/A818

SERVICE MANUAL

Ver. 1.4 2007.12

Photo: NW-A808

US Model
NWZ-A815/A816/A818
Canadian Model
AEP Model
UK Model
Australian Model
New Zealand Model
Hong Kong Model
Singapore Model
NW-A805/A806/A808/NWZ-A815/A816/A818
E Model
Chinese Model
Tourist Model
NW-A805/A806/A808

SPECIFICATIONS

Supported file format

Music (NW-A805/A806/A808)			
Codec	MP3	Bit rate: 32 to 320 kbps, variable bit rate-compliant (VBR) Sampling frequency*1: 32, 44.1, 48 kHz	
	WMA*2	Bit rate: 32 to 192 kbps, variable bit rate-compliant (VBR) Sampling frequency*1: 44.1 kHz	
	ATRAC	Bit rate: 48 to 352 kbps (66*3, 105*3, 132 kbps for ATRAC3) Sampling frequency*1: 44.1 kHz	
	ATRAC Advanced Lossless*4	Bit rate: 64 to 352 kbps (132 kbps for ATRAC3 base layer) Sampling frequency*1: 44.1 kHz	
	AAC*2	Bit rate: 16 to 320 kbps, variable bit rate-compliant (VBR)*5 Sampling frequency*1: 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz	
The number of songs	Max. 65,535		
Music (NWZ-A815/A816/A818)			
File format	MP3(MPEG1 Layer3) file format, ASF file format, MP4 file format, Wave-Riff file format		
File extension	File extension MP3 (.mp3), WMA (.wma), AAC-LC*1 (.mp4, .m4a, .3gp), Linear PCM (.wav)		
Codec	MP3	Bit rate: 32 to 320 kbps (Supports variable bit rate (VBR)) Sampling frequency*2: 32, 44.1, 48 kHz	
	WMA*2	Bit rate: 32 to 192 kbps (Supports variable bit rate (VBR)) Sampling frequency*2: 44.1 kHz	
	AAC-LC*2	Bit rate: 16 to 320 kbps (Supports variable bit rate (VBR))*3 Sampling frequency*2: 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz	
	Linear PCM	Bit rate: 1,411 kbps Sampling frequency*2: 44.1 kHz	
Video			
File format	MP4 file format, "Memory Stick" video format		
File extension	.mp4, .m4v		
Codec	MP3	MPEG-4 (NW-A805/A806/A808)	Profile: Simple Profile Bit rate: Max. 2,500 kbps
		AVC (H.264/AVC)	Profile: Baseline Profile Level: 1.2, 1.3 Bit rate: Max. 768 kbps
		Frame rate: Max. 30 fps Resolution: Max. QVGA (320 × 240)	
	Audio	AAC-LC	Channel number: Max. 2 channels Sampling frequency: 24, 32, 44.1, 48 kHz Bit rate: Max. 288 kbps per 1 channel
File size	Max. 2 GB		
The number of files	Max. 1,000		

– Continued on next page –

DIGITAL MEDIA PLAYER

9-887-631-05
2007L05-1

Sony Corporation
Audio Business Group
Published by Sony Techno Create Corporation

SONY®

Photo*6	
File format	Compatible with DCF 2.0/Exif 2.21file format
File extension	.jpg
Codec	JPEG (Baseline) Number of pixels: Max. 4,000 × 4,000 pixels (16,000,000 pixels)
The number of files	Max. 10,000

*1 Sampling frequency may not correspond to all encoders.
*2 Copyright protected WMA/AAC/AAC-LC files cannot be played back.
*3 You cannot record songs on CDs in the ATRAC3 66/105 kbps format using SonicStage.
*4 The bit rate description of ATRAC Advanced Lossless shows the bit rate for the contents which enables fast transfer to ATRAC compatible devices or media.
*5 Non-standard bit rates or non-guaranteed bit rates are included depending on the sampling frequency.
*6 Some video files cannot be played back, depending on their file formats.

Maximum recordable number of songs and time (Approx.)

The approximate times are based on the case in which you transfer or record only 4 minutes songs (not including videos and photos) in the ATRAC*1 or the MP3 format. Other playable audio file format song numbers and times may differ from ATRAC or MP3 format.

*1 Except ATRAC Advanced Lossless. Compression rate of ATRAC Advanced Lossless varies depending on songs.
For example, one CD (containing 15 4-minute songs) is approximately 200 to 500 MB.

	NW-A805		NW-A806	
Bit rate	Songs	Time	Songs	Time
48 kbps	1,300	86 hr. 40 min.	2,700	180 hr. 00 min.
64 kbps	980	65 hr. 20 min.	2,000	133 hr. 20 min.
128 kbps	495	33 hr. 00 min.	1,000	66 hr. 40 min.
256 kbps	250	16 hr. 40 min.	515	34 hr. 20 min.
320 kbps	200	13 hr. 20 min.	410	27 hr. 20 min.

	NW-A808	
Bit rate	Songs	Time
48 kbps	5,500	366 hr. 40 min.
64 kbps	4,100	273 hr. 20 min.
128 kbps	2,050	136 hr. 40 min.
256 kbps	1,050	70 hr. 00 min.
320 kbps	840	56 hr. 00 min.

	NWZ-A815		NWZ-A816	
Bit rate	Songs	Time	Songs	Time
48 kbps	1,150	76 hr. 40 min.	2,450	163 hr. 20 min.
64 kbps	885	59 hr. 00 min.	1,850	123 hr. 20 min.
128 kbps	440	29 hr. 20 min.	925	61 hr. 40 min.
256 kbps	220	14 hr. 40 min.	460	30 hr. 40 min.
320 kbps	175	11 hr. 40 min.	370	24 hr. 40 min.

	NWZ-A818	
Bit rate	Songs	Time
48 kbps	5,050	336 hr. 40 min.
64 kbps	3,750	250 hr. 00 min.
128 kbps	1,850	123 hr. 20 min.
256 kbps	945	63 hr. 00 min.
320 kbps	840	56 hr. 00 min.

Maximum recordable time of videos (Approx.)

The approximate recordable times is estimated in the case where only videos are transferred. The time may differ, depending on the conditions under which the player is used.

	NW-A805	NW-A806	NW-A808
Bit rate	Time	Time	Time
384 kbps	7 hr. 40 min.	15 hr. 40 min.	32 hr. 40 min.
768 kbps	4 hr. 20 min.	9 hr. 20 min.	19 hr. 00 min.

	NWZ-A815	NWZ-A816	NWZ-A818
Bit rate	Time	Time	Time
Video Format: 384 kbps Audio Format: 128 kbps	7 hr. 10 min.	15 hr. 00 min.	30 hr. 40 min.
Video Format: 768 kbps Audio Format: 128 kbps	4 hr. 00 min.	8 hr. 30 min.	17 hr. 30 min.

Maximum recordable number of photos that can be transferred (Approx.)

Max. 10,000
Recordable number of photos may be less depending on file sizes.

Capacity (User available capacity)*1

NW-A805: 2 GB (Approx. 1.81 GB = 1,948,622,848 bytes)
NW-A806: 4 GB (Approx. 3.73 GB = 4,008,198,144 bytes)
NW-A808: 8 GB (Approx. 7.56 GB = 8,127,348,736 bytes)
NWZ-A815: 2 GB (Approx. 1.71 GB = 1,840,775,168 bytes)
NWZ-A816: 4 GB (Approx. 3.57 GB = 3,840,638,976 bytes)
NWZ-A818: 8 GB (Approx. 7.30 GB = 7,840,956,416 bytes)
*1 Available storage capacity of the player may vary.
A portion of the memory is used for data management functions.

Output (headphones)

- Output
  5 mW + 5 mW (16 Ω)
- Frequency response
  20 to 20,000 Hz (when playing data file, single signal measurement)

Interface

Headphone: Stereo mini-jack
WM-PORT (multiple connecting terminal): 22 pins
Hi-Speed USB (USB 2.0 compliant)

Operating temperature

5°C to 35°C (41°F to 95°F)

Power source

- Built-in rechargeable lithium-ion battery
- USB power (from a computer via the supplied USB cable)

Charging time

USB-based charging
Approx.3 hours (full charge), Approx.1.5 hours (approx. 80%)

Battery life (continuous playback)

The time below is approximated when “New Song Pop Up”, “Clear Stereo”, “DSEE” and and “Dynamic Normalizer” are set to “Off,” “Display Time” is set to other than “Always On”, and screensaver, “Equalizer” and “VPT” are set to “None.”
Furthermore, for videos, the time is approximated when the brightness of the screen is set to “3.”
The time below may differ depending on ambient temperature or the status of use.

	NW-A805/A806/A808
Music	
Playback at ATRAC 132 kbps	Approximately 30 hours
Playback at ATRAC 128 kbps	Approximately 27 hours
Playback at ATRAC 48 kbps	Approximately 28 hours
Playback at ATRAC Advanced Lossless 64 kbps	Approximately 27 hours
Playback at MP3 128 kbps	Approximately 33 hours
Playback at WMA 128 kbps	Approximately 33 hours
Playback at AAC 128 kbps	Approximately 32 hours
Video	
Playback at MPEG-4 384 kbps	Approximately 8 hours
Playback at MPEG-4 768 kbps	Approximately 7 hours
Playback at AVC 384 kbps	Approximately 6.5 hours
Playback at AVC 768 kbps	Approximately 6.5 hours

	NWZ-A815/A816/A818
Music	
Playback at MP3 128 kbps	Approximately 33 hours
Playback at WMA 128 kbps	Approximately 33 hours
Playback at AAC-LC 128 kbps	Approximately 32 hours
Playback at Linear PCM 1,411 kbps	Approximately 35 hours
Video	
Playback at MPEG-4 768 kbps	Approximately 7 hours
Playback at MPEG-4 384 kbps	Approximately 8 hours
Playback at AVC 768 kbps	Approximately 6.5 hours
Playback at AVC 384 kbps	Approximately 6.5 hours

Display

2.0-inch, low-temperature poly-silicon TFT color display with white LED-backlight, QVGA (240 × 320 dots), 0.1275 mm dot pitch, 262,144 colors

Dimensions (w/h/d, projecting parts not included)

43.8 × 88.0 × 9.1 (Thinnest part 8.3) mm (1 3/4 × 3 1/2 × 3/8 (Thinnest part 11/32) inches)

Dimension (w/h/d)

44.5 × 88.0 × 9.6 mm (1 13/16 × 3 1/2 × 13/32 inches)

Mass

Approx. 53 g (Approx. 1.9 oz)

Supplied Accessories

Headphones (1)
Headphone extension cord (1)
Earbuds (Size S, L) (1)
USB cable*1 (1)
Attachment (1)
Use when connecting the player to the optional cradle, etc.
CD-ROM*2 (1) (NW-A805/A806/A808)
– SonicStage software
– Image Converter software*3
– Operation Guide (PDF file)
CD-ROM*4 (1) (NWZ-A815/A816/A818)
– MP3 Coversion Tool
– Windows Media Player 11
– Operation Guide (PDF file)
Quick Start Guide (1)

*1 Do not use any USB cable other than the supplied USB cable or the specified optional dedicated cables.
*2 Do not attempt to play this CD-ROM in an audio CD player.
*3 Use this player together with the supplied Image Converter software (version 3.0 or later). This software is referred as Image Converter in this manual.
*4 Depending on the country/region in which you have purchased the player, the supplied software may be different.

Design and specifications are subject to change without notice.

SECTION 1
SERVICING NOTES

TABLE OF CONTENTS

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

CAUTION
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 ˚C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 ˚C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

NOTE THE IC301, IC302, IC501, IC503, IC505, IC506, IC509, IC601, IC602, IC701, IC802, IC803, IC901 AND IC903 ON THE MAIN BOARD REPLACING

When IC301, IC302, IC501, IC503, IC505, IC506, IC509, IC601, IC602, IC701, IC802, IC803, IC901 and IC903 on the MAIN board is damaged, exchange the new MAIN board for the MAIN board which IC damaged.

NOTE THE CN601 ON THE MAIN BOARD REPLACING

When CN601 on the MAIN board is damaged, exchange the new MAIN board for the MAIN board which connector damaged.

MinimumSystem Requirements (for the player)

- Computer
  IBM PC/AT or compatible computer preinstalled with the following Windows operating systems:
  Windows 2000 Professional (Service Pack 4 or later)/Windows XP Home Edition (Service Pack 2 or later)/Windows XP Professional (Service Pack 2 or later)/Windows XP Media Center Edition (Service Pack 2 or later)/Windows XP Media Center Edition 2004 (Service Pack 2 or later)/Windows XP Media Center Edition 2005 (Service Pack 2 or later)/Windows Vista Home Basic/Windows Vista Home Premium/Windows Vista Business/Windows Vista Ultimate
  Not supported by 64 bit version OS.
  Not supported by OSs other than above.
- CPU: Pentium III 733 MHz or higher (For Windows Vista, Pentium III 800 MHz or higher)
- RAM: 128 MB or more (For Windows XP, 256 MB or more; for Windows Vista, 512 MB or more)
- Hard Disk drive: 240 MB or more of available space (1.5 GB or more is recommended)
  More space may be required, depending on the version of the operating system.
  Additional space is required for storing music, video and photo data.
- Display:
  – Screen Resolution: 800 × 600 pixels (or higher) (recommended 1,024 × 768 or higher)
  – Colors: High Color (16 bit) (or higher) (SonicStage and Image Converter may not operate properly at color settings at or below 256 colors.)
- CD-ROM drive (supporting Digital Music CD playback capabilities using WDM)
  To create original CDs or to back up audio CDs, a CD-R/RW drive is required.
- Sound board
- USB port (Hi-Speed USB is recommended)
- Internet Explorer 6.0 or later and DirectX version 9.0b or later need to be installed.
- Internet connection is required to use the CD Data Base (CDDB) or Electronic Music Distribution (EMD) or to restore the backup data with SonicStage.
- When converting Windows Media format videos, it is required to have installed the latest Windows Media Player.
- When converting QuickTime or M4V format videos, it is required to have installed the latest QuickTime.

We do not guarantee operation for all computers even if they meet the above System Requirements.

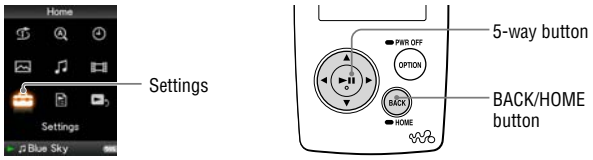
Not supported by the following environments:
– Personally constructed computers or operating systems
– An environment that is an upgrade of the original manufacturer-installed operating system
– Multi-boot environment
– Multi-monitor environment
– Macintosh

NOTE THE MAIN BOARD REPLACING

When the MAIN board is replaced, format it according to the following.

Formatting Memory (Format)

You can format the built-in flash memory of the player.
If the memory is formatted, all music, video and photo data, etc., will be erased.
Be sure to verify the data stored in memory prior to formatting and export any important data to SonicStage or the hard disk of your computer.



Note

- This function is only available in the pause mode.

1. **Press and hold the BACK/HOME button in the pause mode until the Home menu appears.**
2. **Press the △/▽/◁/▷ button to select (Settings), and then press the ▷II button to conrm.**
3. **Press the △/▽/◁/▷ button to select “Common Settings,” and then press the ▷II button to conrm.**
   The list of Common Settings options appears.
4. **Press the △/▽/◁/▷ button to select “Format,” and then press the ▷II button to conrm.**
   “All data including songs will be deleted. Proceed?” appears.
5. **Press the △/▽ button to select “Yes,” and then press the ▷II button to conrm.**
   “All data will be deleted. Proceed?” appears.
6. **Press the △/▽ button to select “Yes,” and then press the ▷II button to conrm.**
   While the memory is being formatted, an animated display appears.
   When initialization finishes, “Memory formatted.” appears.

To cancel the operation

Select “No” in step 5 or 6 and press the ▷II button to confirm.

To return to the previous menu

Press the BACK/HOME button.

Note

- Do not format the built-in flash memory using Windows Explorer.

ABOUT THE BLUE COLOR TYPE OF THE NWZ-A816 US MODEL

Blue color type of NWZ-A816 US model is using parts of violet color type.

COLOR VARIATION

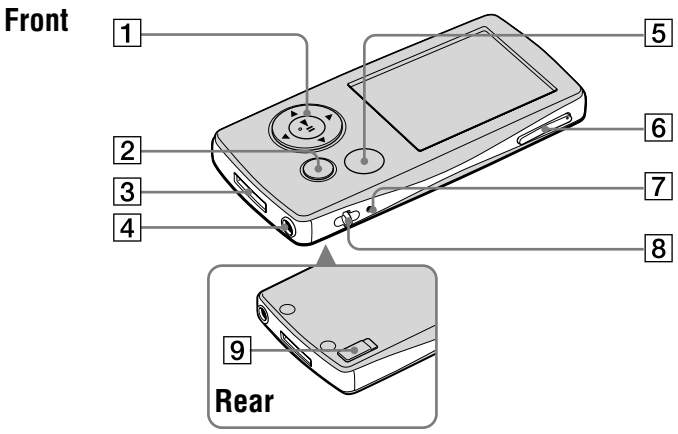
Model	Destination	COLOR					
		BLACK	VIOLET	WHITE	PINK	SILVER	BLUE
NW-A805	CND	●		●			
	AEP, UK	●	●	●	●		
	FR	●	●	●	●		
	EE	●	●	●	●		
	E, AUS, JE		●	●			
	MX		●				
	CH	●	●	●	●		
NW-A806	CND	●			●		
	AEP, UK	●	●	●	●		
	FR	●		●			
	EE	●		●			
	E, AUS, JE	●	●	●	●		
	MX	●	●				
	CH	●		●			
NW-A808	CND	●					
	AEP, UK	●		●			
	FR	●					
	EE	●					
	E, AUS, JE	●					
	MX	●					
	CH	●					
NWZ-A815	US	●		●	●	●	
	US (CircuitCity)	●	●		●		
	CND, AEP, UK, NZ, HK, SP, AUS	●		●			
	FR	●		●			
	EE	●		●			
NWZ-A816	US	●		●	●	●	● (Note)
	US (BestBuy)	●		●	●		
	US (CircuitCity)	●					
	CND, AEP, UK, NZ, HK, SP, AUS	●	●	●	●	●	
	FR	●	●	●	●	●	
	EE	●	●	●	●	●	
NWZ-A818	US	●				●	
	CND, AEP, UK, NZ, HK, SP, AUS	●	●	●	●		
	FR	●					
	EE	●	●	●	●		

Note: Blue color type of NWZ-A816 US model is using parts of violet color type.

- Abbreviation
  AUS : Australian model
  CH : Chinese model
  CND : Canadian model
  EE : East European model
  FR : French model
  HK : Hong kong model
  JE : Tourist model
  MX : Mexican model
  NZ : New Zealand model
  SP : Singapore model

This section is extracted from instruction manual.

Parts and Controls



1 5-way button*1

Starts playback and enables navigation of the player's on-screen menus.

2 BACK/HOME button*2

Press to go up one list screen level, or to return to the previous menu. Press and hold the BACK/HOME button to display the Home menu.

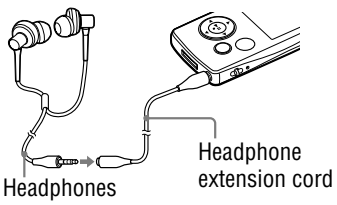
3 WM-PORT jack

Use this jack to connect the supplied USB cable, or optional peripheral devices, such as supported accessories for the WM-PORT.

4 Headphone jack

For connecting the headphones or the headphone extension cord. Insert the jack pin until it clicks into place. If the headphones are connected improperly, the sound from the headphones may not sound right.

Whenusing the headphone extension cord



5 OPTION/PWR OFF button*2

Displays the Option menu.
If you press and hold the OPTION/PWR OFF button, the screen turns off and the player enters the standby mode. If you press any button while the player is in the standby mode, the Now Playing screen appears and the player is ready for operation. Furthermore, if you leave the player in the standby mode for about a day, the player turns completely off automatically. If you press any button when the player is turned off, the start up screen appears first, then the Now Playing screen appears.

Note

- The player consumes the battery very slightly even when it is in the standby mode. Therefore, the player might turn completely off in a short time, depending on the power remaining in the battery.

6 VOL+*1/– button

Adjusts the volume.

7 RESET button

Resets the player when you press the RESET button with a small pin, etc.

8 Strap hole

This is used to attach a strap (sold separately).

9 HOLD switch

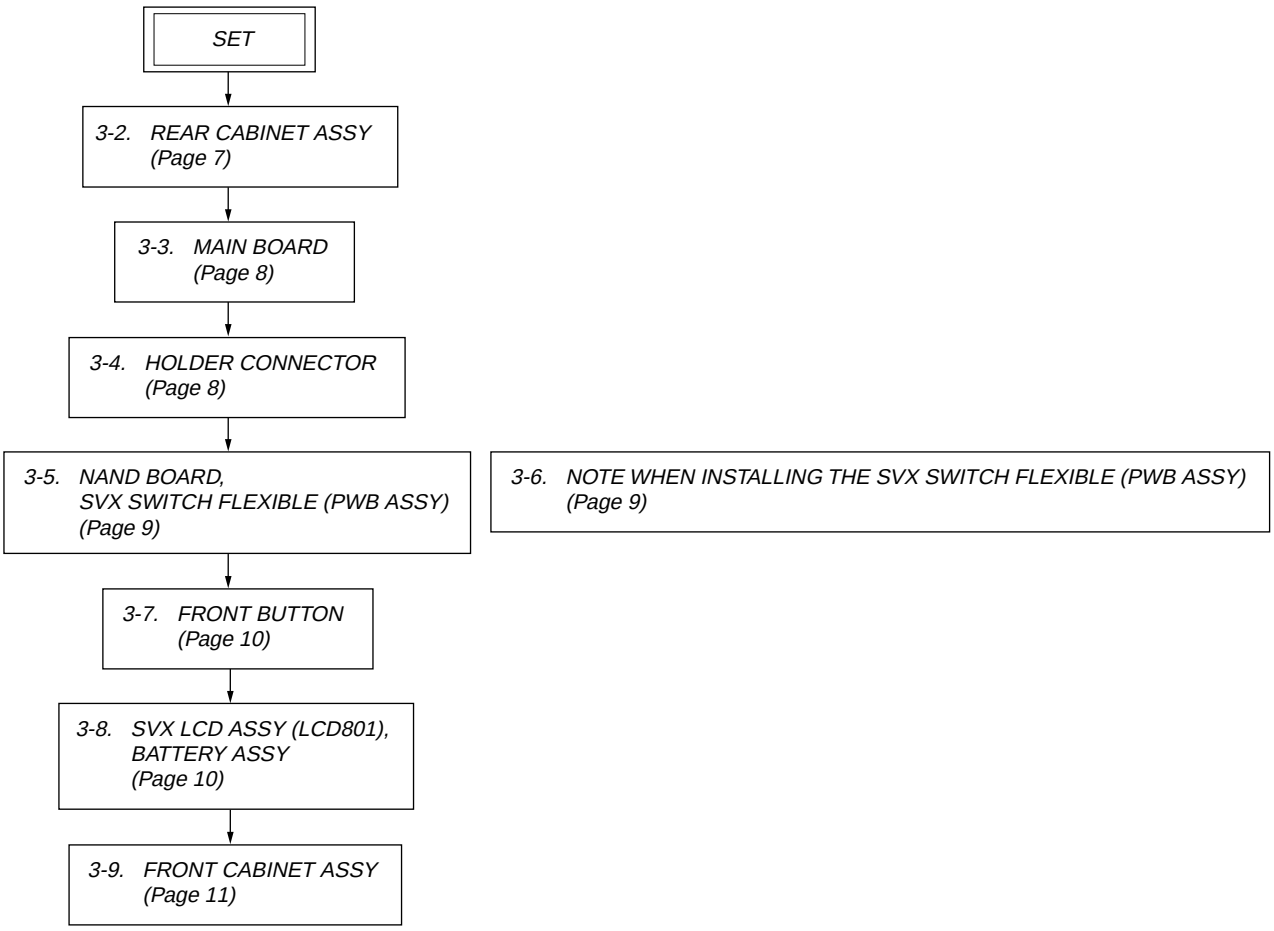
You can protect the player against accidental operation by using the HOLD switch when carrying it. By sliding the HOLD switch in the direction of the arrow, all operation buttons are disabled. If you slide the HOLD switch to the opposite position, the HOLD function is released.

*1 There are tactile dots. Use them to help with button operations.
*2 Functions of marked with ⬬ on the player are activated if you press and hold the corresponding buttons.

SECTION 3
DISASSEMBLY

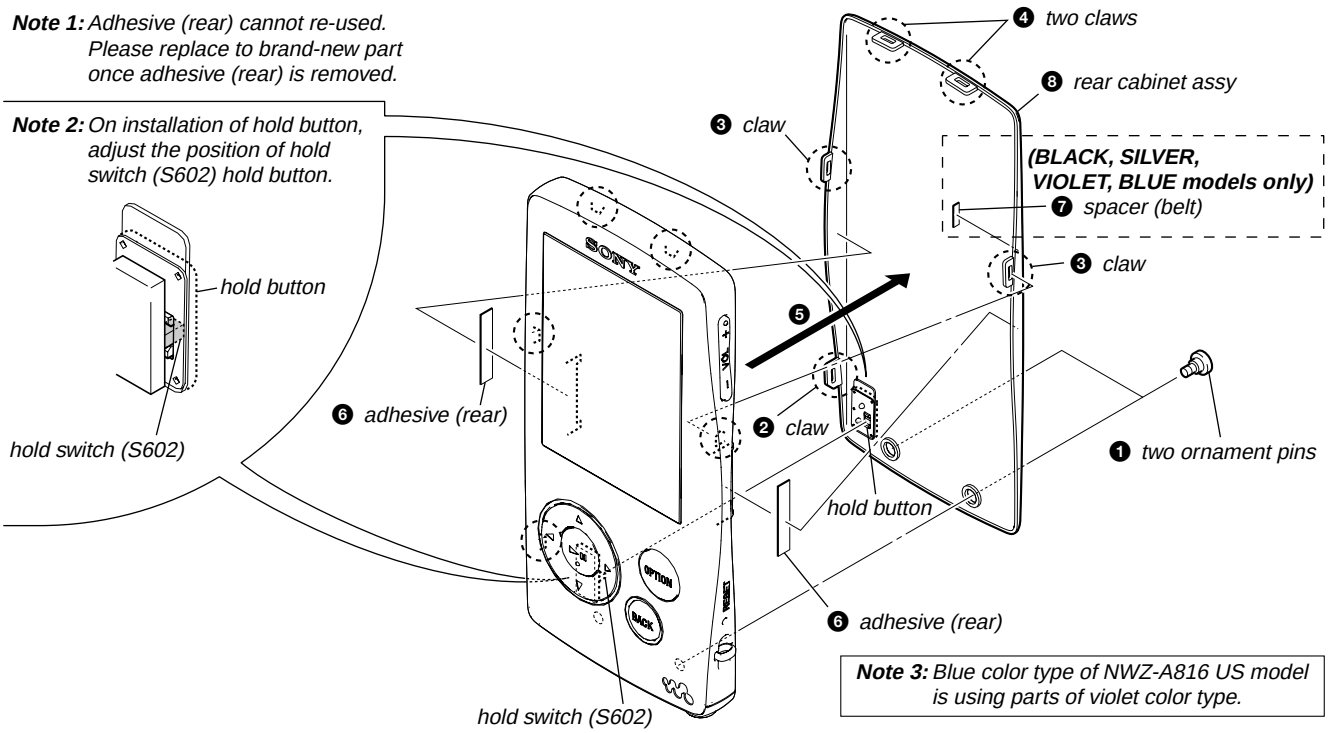
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

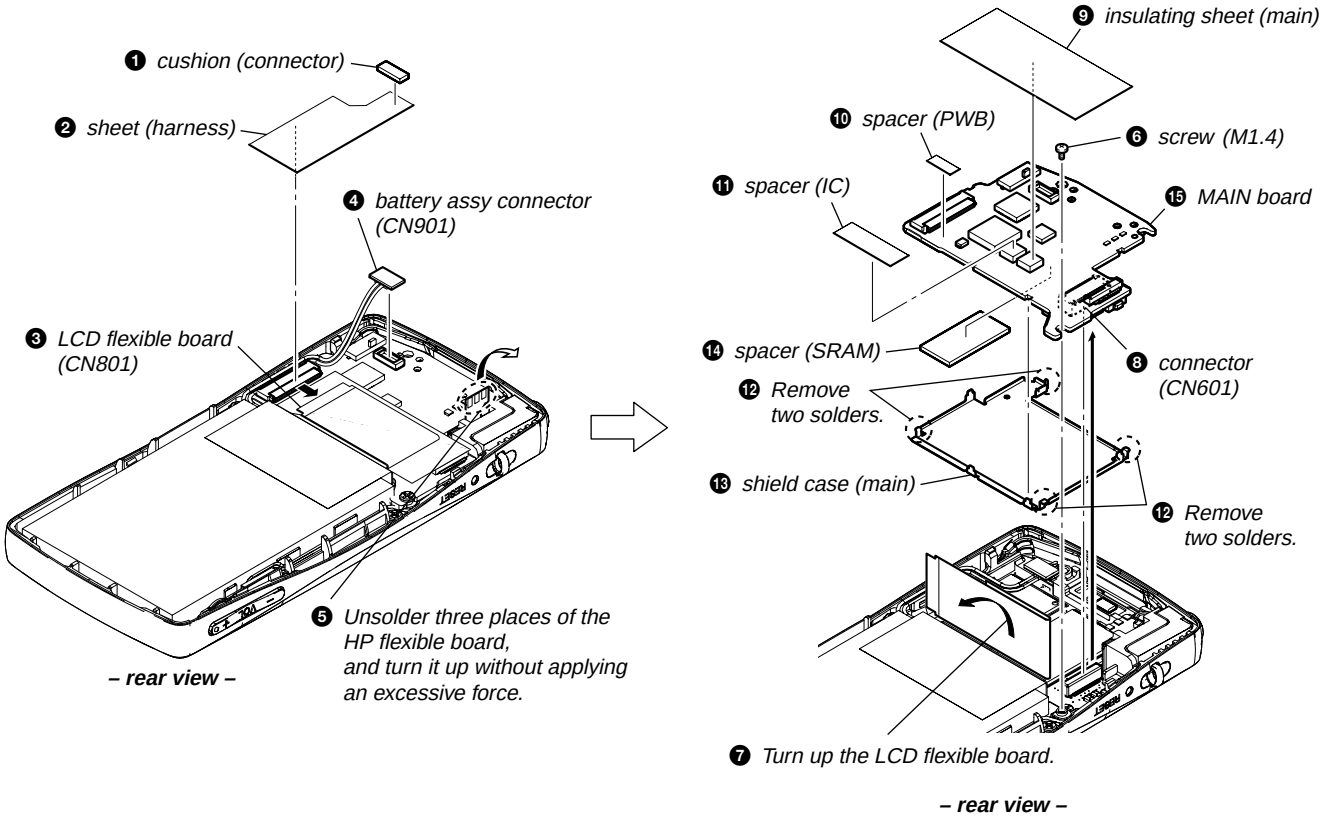


Note: Follow the disassembly procedure in the numerical order given.

3-2. REAR CABINET ASSY



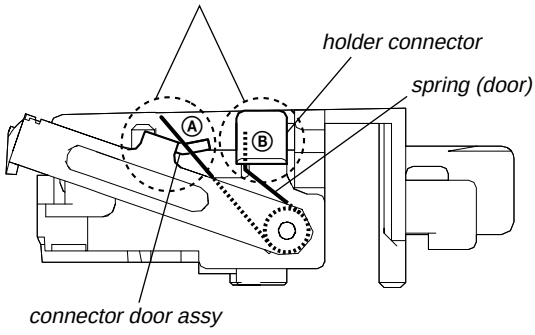
3-3. MAIN BOARD



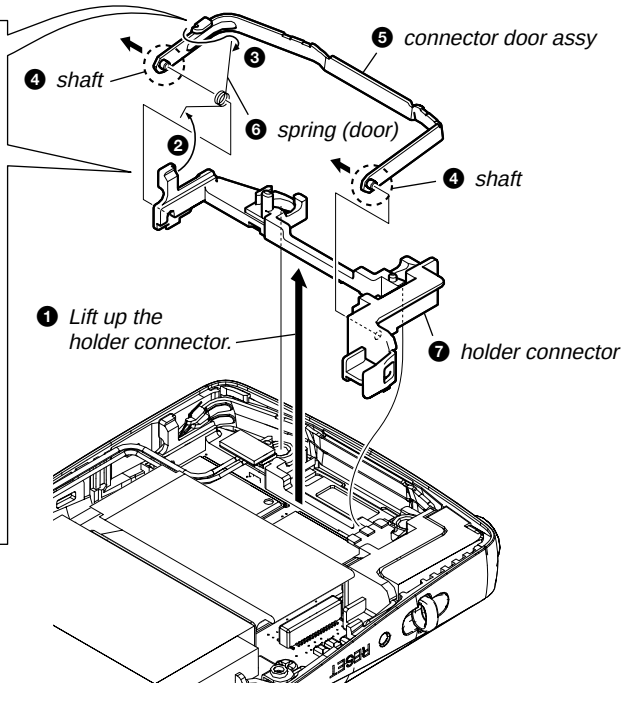
3-4. HOLDER CONNECTOR

NOTE WHEN INSTALLING THE SPRING (DOOR)

Note: *Hook the spring (door) on the part Ⓐ of connector door assy and the part Ⓑ of holder connector as shown in the figure.*

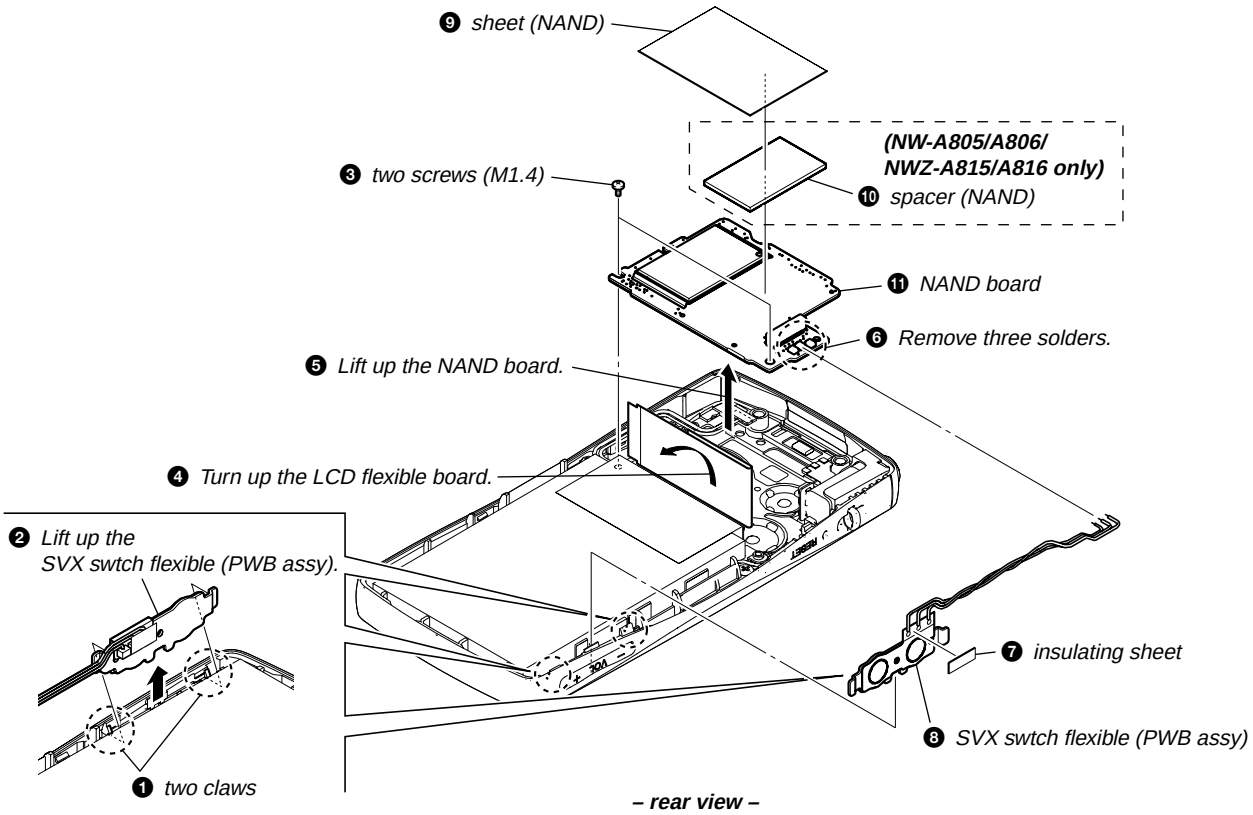


– side view –



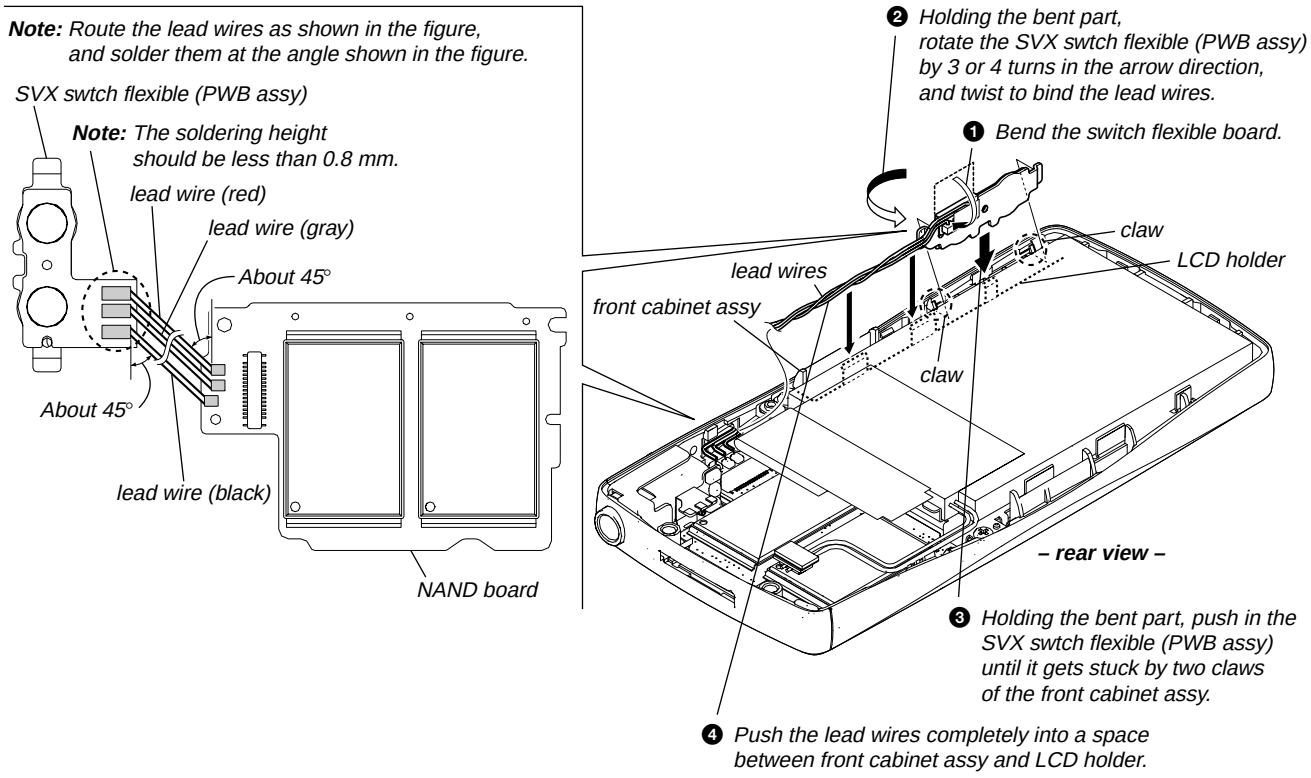
– rear view –

3-5. NAND BOARD, SVX SWITCH FLEXIBLE (PWB ASSY)

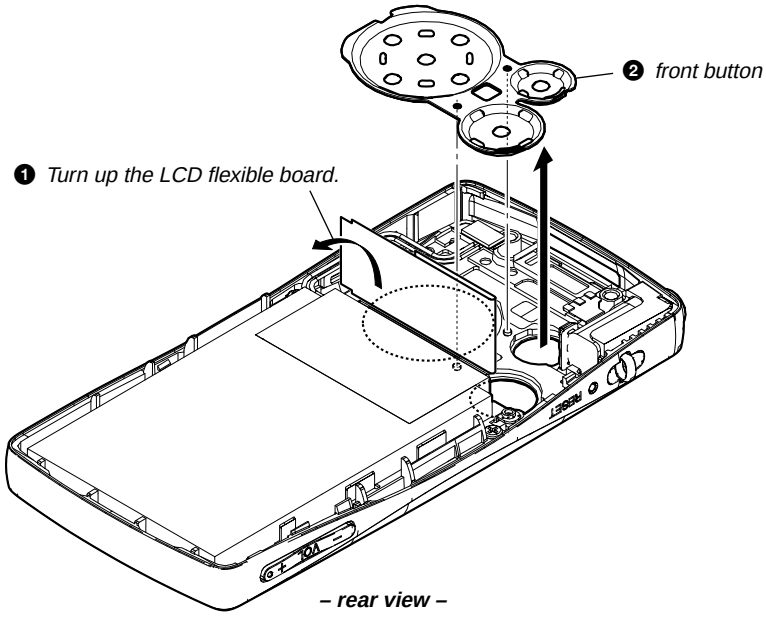


3-6. NOTE WHEN INSTALLING THE SVX SWITCH FLEXIBLE (PWB ASSY)

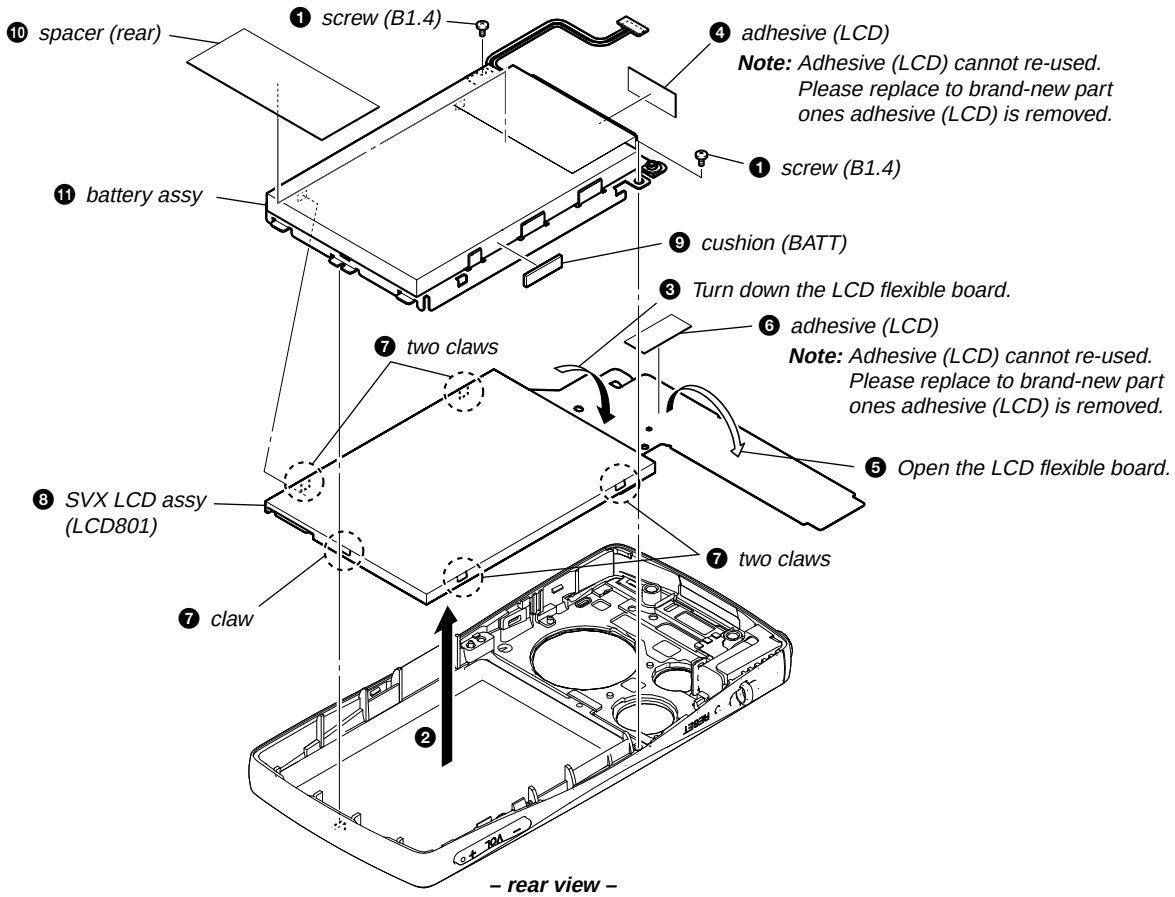
Note: Follow the assembly procedure in the numerical order given.



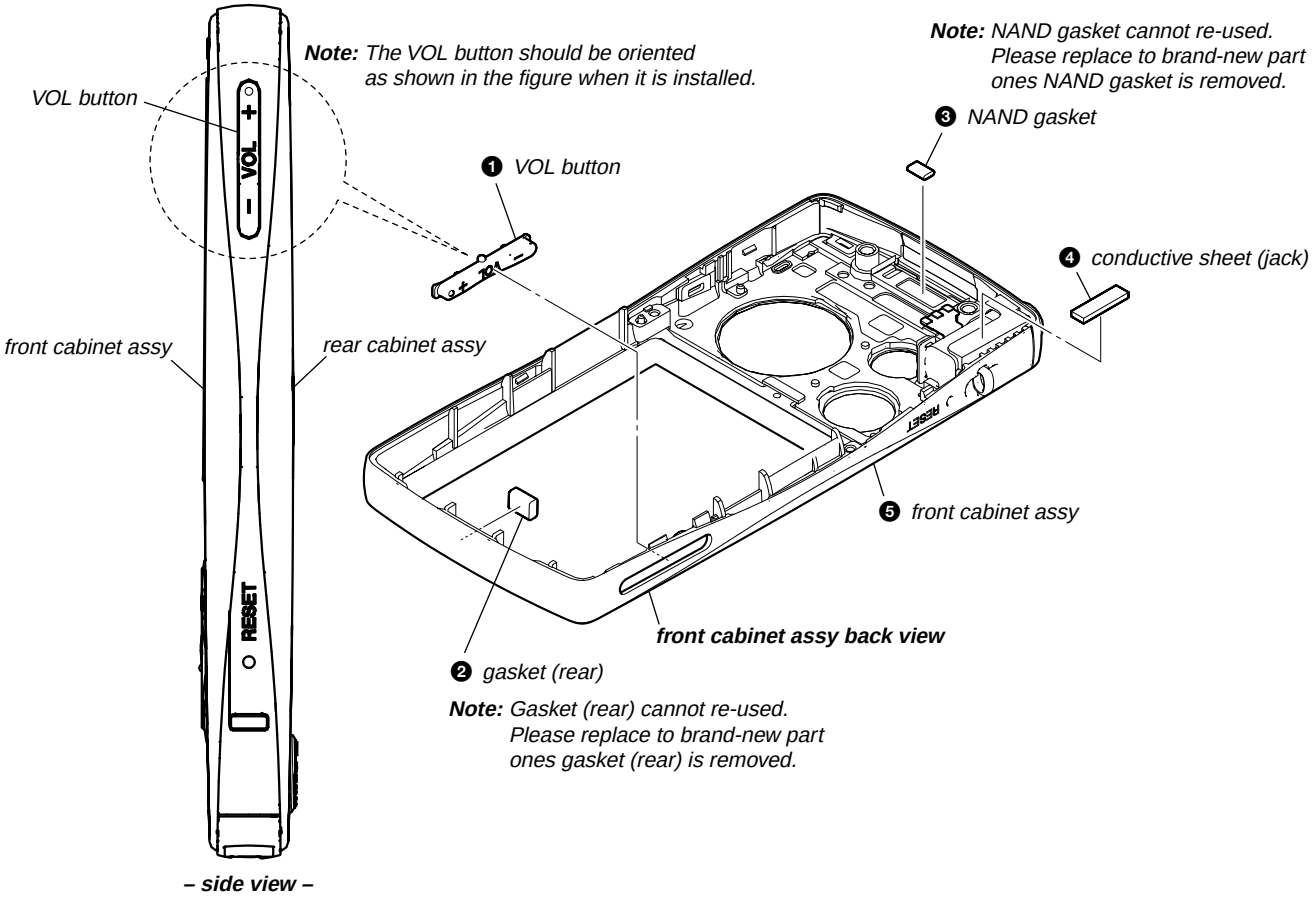
3-7. FRONT BUTTON



3-8. SVX LCD ASSY (LCD801), BATTERY ASSY



3-9. FRONT CABINET ASSY



SECTION 4
TEST MODE

Note: Information on the test mode must correspond in enough security. When the leakage has been revealed by any chance, the source of information is specified.

1. SETTING THE TEST MODE

Note: Perform the test mode in the state of 3.6 V or more in the battery voltage.

Setting method:

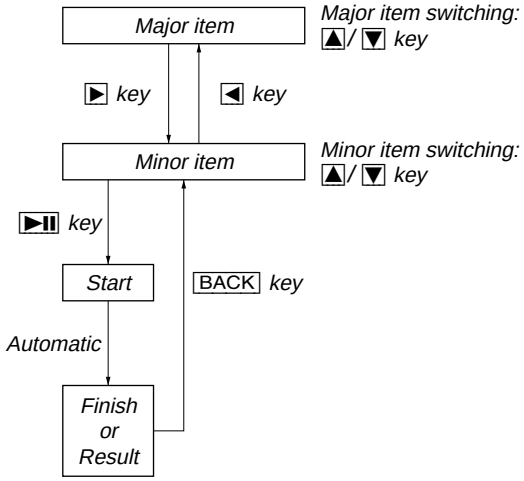
1. Turn the power on.
2. Press the [BACK] key for 1.5 seconds or more, the home menu is displayed.
3. Slide the [HOLD] key to set the hold on.
4. While pressing the [OPTION] key, press the key as following order.
   [▲]→[▶]→[▼]→[◀]→[▲]→[▶II]→[▲]→[◀]→[▼]→[▶]→[▲]→[▶II]
5. The set reboots when the [HOLD] key is slided to set the hold off, and the color bar is displayed in the liquid crystal display.
6. Enter the test mode when the [BACK] key is pressed in the state of step 5.

Note: The destination setting and sound pressure regulation setting cannot be executed by this test mode.

2. RELEASING THE TEST MODE

1. Display the major item selection screen.
2. Press the [▲]/[▼] key to select the "EXITTEST", and press the [▶] key to select the "SURE ?".
3. Press the [▶II] key, turn the power off and release the test mode.

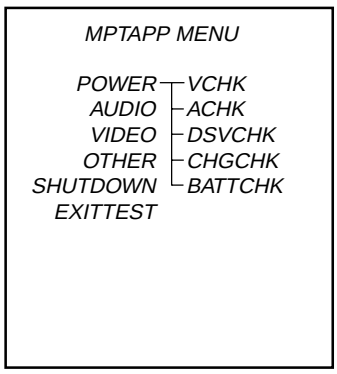
3. CONFIGURATION OF THE TEST MODE



4. OPERATION OF THE TEST MODE

4-1. Power

liquid crystal display



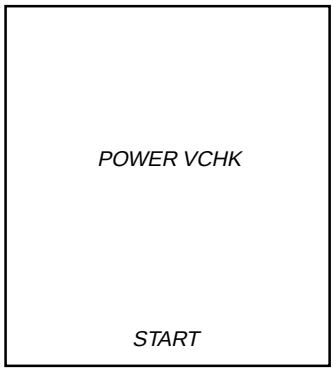
4-1-1. Power supply voltage check

This mode is used in case power supply voltage in the state where all power supply lines are starting is checked.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "POWER", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "VCHK".
4. Press the [▶II] key, all power supply lines are started.

liquid crystal display



   In this state, the power supply voltage of each power supply line can be confirmed by measuring the voltage.
5. Press the [BACK] key, return to minor item selection screen.

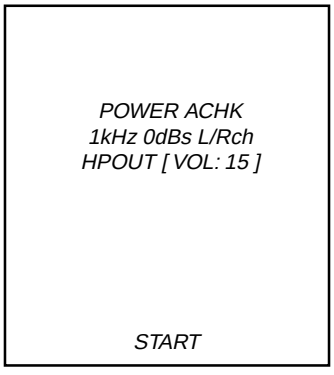
4-1-2. Consumption current (audio playback) check

This mode is used in case consumption current (audio playback) is checked in the state where "1 kHz 0 dBs L-ch/R-ch VOLUME: 15" audio signal is outputed.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "POWER", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "ACHK".
4. Press the [▶II] key, "1 kHz 0 dBs L-ch/R-ch VOLUE: 15" audio signal is outputed.

liquid crystal display



5. In this state, each time the [OPTION] key is pressed, LCD back light on/off switch is performed.
6. Press the [BACK] key, return to minor item selection screen.

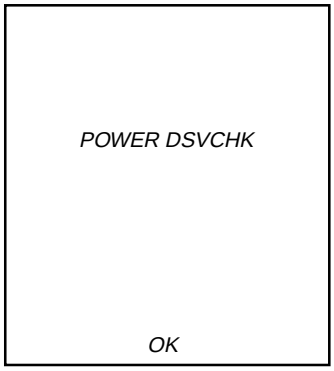
4-1-3. Standby current check

This mode is used in case standby current is checked.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the “POWER”, and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the “DSVCHK”.
4. Press the [▶II] key, enter the state of the deep sleep.
5. Press the [BACK] key, release the state of the deep sleep.

liquid crystal display



6. Press the [BACK] key, return to minor item selection screen.

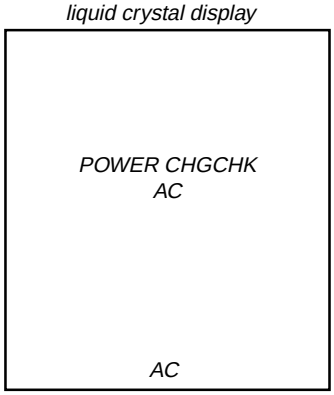
4-1-4. Charge current check

This mode is used in case charge current is checked.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the “POWER”, and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the “CHGCHK”.
4. Press the [▶II] key, the charge setting is displayed.

liquid crystal display



5. In this state, each time the [OPTION] key is pressed, the port setting for the charge is changed as shown in the table below.

	Port control		
Display	CHG_XCHGEN	CHG_PEN	CHG_PEN2
AC	L	H	H
USB500	L	H	H
USB100	L	H	L

6. Press the [BACK] key, return to minor item selection screen.

4-1-5. Battery voltage check

This mode is used in case battery voltage is checked.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the “POWER”, and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the “BATTCHK”.
4. Press the [▶II] key, the battery voltage is displayed.
   When the battery voltage cannot be confirmed, “ERROR” is displayed.

liquid crystal display

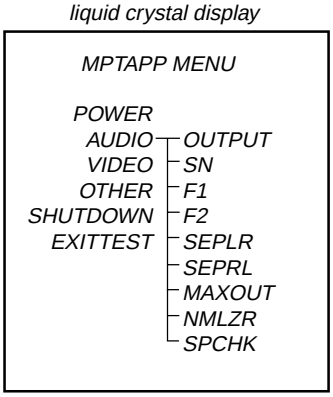
X.XXXV: Battery voltage

6. Press the [BACK] key, return to minor item selection screen.

4-2. Audio

While playing the audio track, it's in a repeat state. If [BACK] key is pressed, it’s stopped.
Press the [VOL +] key to switch the HP/LINE.

liquid crystal display



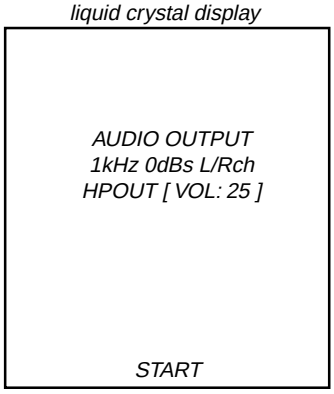
4-2-1. Output check

"1 kHz 0 dBs L-ch/R-ch VOLUME: 25" audio signal is outputted.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "AUDIO", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "OUTPUT".
4. Press the [▶II] key, "1 kHz 0 dBs L-ch/R-ch VOLUME: 25" audio signal is outputted.

liquid crystal display



5. Press the [BACK] key, return to minor item selection screen.

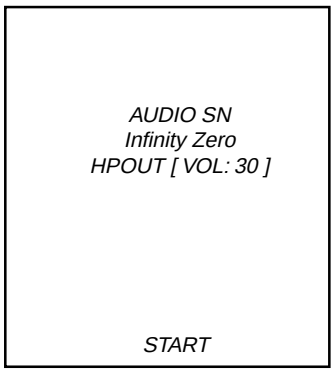
4-2-2. S/N check

"Infinity Zero VOLUME: 30" audio signal is outputted.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "AUDIO", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "SN".
4. Press the [▶II] key, "Infinity Zero VOLUME: 30" audio signal is outputted.

liquid crystal display



5. Press the [BACK] key, return to minor item selection screen.

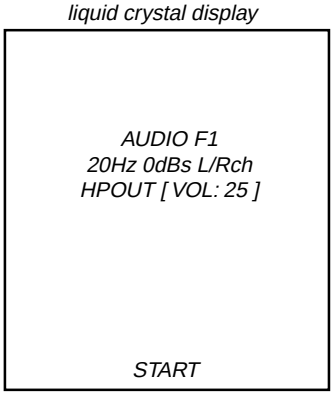
4-2-3. Frequency characteristic 1 check

"20 Hz 0 dBs L-ch/R-ch VOLUME: 25" audio signal is outputted.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "AUDIO", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "F1".
4. Press the [▶II] key, "20 Hz 0 dBs L-ch/R-ch VOLUME: 25" audio signal is outputted.

liquid crystal display



5. Press the [BACK] key, return to minor item selection screen.

4-2-4. Frequency characteristic 2 check

"20 kHz 0 dBs L-ch/R-ch VOLUME: 25" audio signal is outputted.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "AUDIO", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "F2".
4. Press the [▶II] key, "20 kHz 0 dBs L-ch/R-ch VOLUME: 25" audio signal is outputted.

liquid crystal display

5. Press the [BACK] key, return to minor item selection screen.

4-2-5. CH separation (L-ch) check

"1 kHz 0 dBs L-ch VOLUME: 25" audio signal is outputted.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "AUDIO", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "SEPLR".
4. Press the [▶II] key, "1 kHz 0 dBs L-ch VOLUME: 25" audio signal is outputted.

liquid crystal display

5. Press the [BACK] key, return to minor item selection screen.

4-2-6. CH separation (R-ch) check

"1 kHz 0 dBs R-ch VOLUME: 25" audio signal is outputted.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "AUDIO", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "SEPRL".
4. Press the [▶II] key, "1 kHz 0 dBs R-ch VOLUME: 25" audio signal is outputted.

liquid crystal display

5. Press the [BACK] key, return to minor item selection screen.

4-2-7. Maximum output check

"1 kHz 0 dBs L-ch/R-ch VOLUME: 30" (Headphone output when AVLS operates: "1 kHz 0 dBs L-ch/R-ch VOLUME: 13") audio signal is outputted.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "AUDIO", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "MAXOUT".
4. Press the [▶II] key, "1 kHz 0 dBs L-ch/R-ch VOLUME: 30" (Headphone output when AVLS operates: "1 kHz 0 dBs L-ch/R-ch VOLUME: 13") audio signal is outputted.

liquid crystal display

5. In this state, each time the [OPTION] key is pressed, AVLS on/off switch is performed.
6. Press the [BACK] key, return to minor item selection screen.

4-2-8. Normalizer check

"1 kHz –24 dBs L-ch/R-ch VOLUME: 30" audio signal is outputted.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "AUDIO", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "NMLZR".
4. Press the [▶II] key, "1 kHz –24 dBs L-ch/R-ch VOLUME: 30" audio signal is outputted.

liquid crystal display

5. Press the [BACK] key, return to minor item selection screen.

4-2-9. Sound pressure regulation level check

"1 kHz 0 dBs L-ch/R-ch VOLUME: 30" audio signal is outputted.

Checking method:

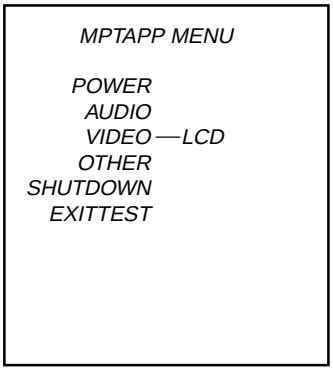
1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "AUDIO", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "SPCHK".
4. Press the [▶II] key, "1 kHz 0 dBs L-ch/R-ch VOLUME: 30" audio signal is outputted.

liquid crystal display

5. Press the [BACK] key, return to minor item selection screen.

4-3. Video

liquid crystal display



4-3-1. LCD display check

Liquid crystal display is checked.

Checking method:

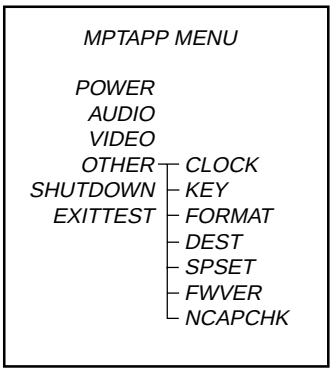
1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "VIDEO", and press the [▶] key to select the "LCD".
3. Press the [▶II] key, all black is displayed on the liquid crystal display.
4. In this state, each time the [OPTION] key is pressed, the screen display changes in the following order.

   All black (default) → All red → All green → All blue → All white → Color bar → Maximum drawing size confirmation

   Maximum drawing size confirmation:
   All blue (All sides are red) is displayed. Whether red in all sides is seen is confirmed.
4. In this state, each time the [VOL –] key is pressed, LCD back light brightness min/max/middle switch is performed.
5. Press the [BACK] key, return to minor item selection screen.

4-4. Other

liquid crystal display



4-4-1. Clock check

The movement of an internal clock is confirmed.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the "OTHER", and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the "CLOCK".
4. Press the [▶II] key, date and time are displayed.

liquid crystal display

XX, XX XX XXXX : Date
##:##:##.###### : Time

"START" changes into "OK" if the movement of an internal clock is confirmed.

5. Press the [BACK] key, return to minor item selection screen.

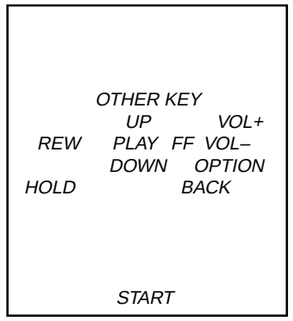
4-4-2. Key check

The operation of the key is confirmed.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the “OTHER”, and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the “KEY”.
4. Press the [▶II] key, all keys are displayed.

liquid crystal display



5. The character corresponding to the key is selected every time the key is pressed. “START” changes into “OK” if all keys are pressed.
6. Slide the [HOLD] key from ON to OFF, return to minor item selection screen.

4-4-3. Format

The user’s area is formatted, and ICV for the video and ICV for audio are initialized.

Note: Not used for the servicing.
Format the set from “Settings” → “Common settings” → “Format” when it home menu in usually operates when the set should format it.

4-4-4. Destination setting

The destination setting, language information, and sound pressure regulation information are written in the NAND flash memory.

Note: Not used for the servicing.

4-4-5. Sound pressure regulation setting

ON/OFF of sound pressure regulation is confirmed.

Note: Not used for the servicing.

4-4-6. Firmware version check

The firmware version is displayed.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the “OTHER”, and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the “FWVER”.
4. Press the [▶II] key, the firmware version is displayed.

liquid crystal display

X.XX.XX : Firmware version

5. Press the [BACK] key, return to minor item selection screen.

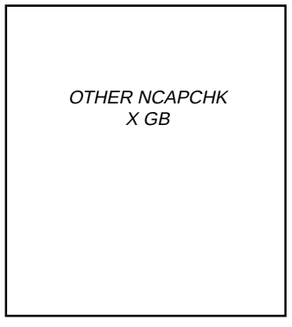
4-4-7. NAND capacity check (firmware version 1.00.19 former)

Capacity of NAND flash memory is displayed.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the “OTHER”, and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the “NCAPCHK”.
4. Press the [▶II] key, capacity of NAND flash memory is displayed.

liquid crystal display



X GB : Capacity of NAND flash memory
2 GB/4 GB/8 GB

5. Press the [BACK] key, return to minor item selection screen.

4-4-8. NAND capacity check (since firmware version 1.00.20)

Capacity of NAND flash memory, present bud block, maximum bud block, and vender ID are displayed.

Checking method:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the “OTHER”, and press the [▶] key to enter the minor item.
3. Press the [▲]/[▼] key to select the “NCAPCHK”.
4. Press the [▶II] key, capacity of NAND flash memory, present bud block, maximum bud block, and vender ID are displayed.

liquid crystal display

X : Capacity of NAND flash memory
2/4/8 (2 GB/4 GB/ 8 GB)
@@@@ : Number of present bud block
(It makes an error the acquisition of the number of bud blocks at “–1”)
: Number of maximum bud block
(It makes an error the acquisition of the vender ID at “–1”)
$$$$: Vender ID of NAND flash memory
0x98/0xec (TOSHIBA/SAMSUNG)
(It makes an error the acquisition of the vender ID at “–1”)

5. Press the [BACK] key, return to minor item selection screen.

4-5. Shutdown

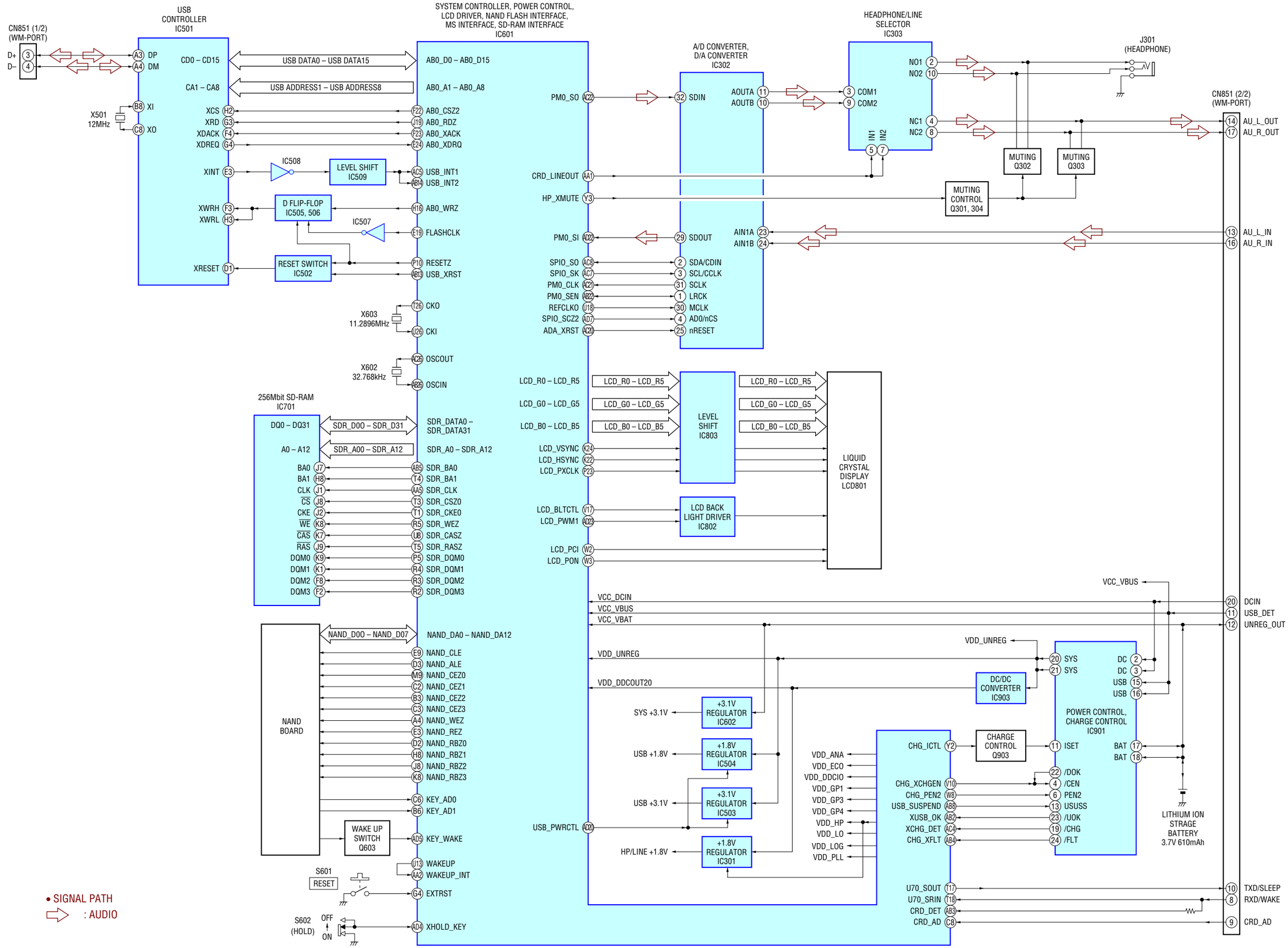
Function that power supply of set can be turned off without ending static test mode.

Procedure:

1. Enter the test mode.
2. Press the [▲]/[▼] key to select the “SHUTDOWN”, and press the [▶] key to select the “SURE ?”.
3. Press the [▶II] key, turn the power off while having entered the test mode.

SECTION 5
DIAGRAMS

5-1. BLOCK DIAGRAM



• Note for Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

- ——— : parts extracted from the conductor side.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Side B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A)	Parts on the parts face side seen from the parts face are indicated.

- MAIN board is multi-layer printed board.
  However, the patterns of intermediate-layers have not been included in diagrams.

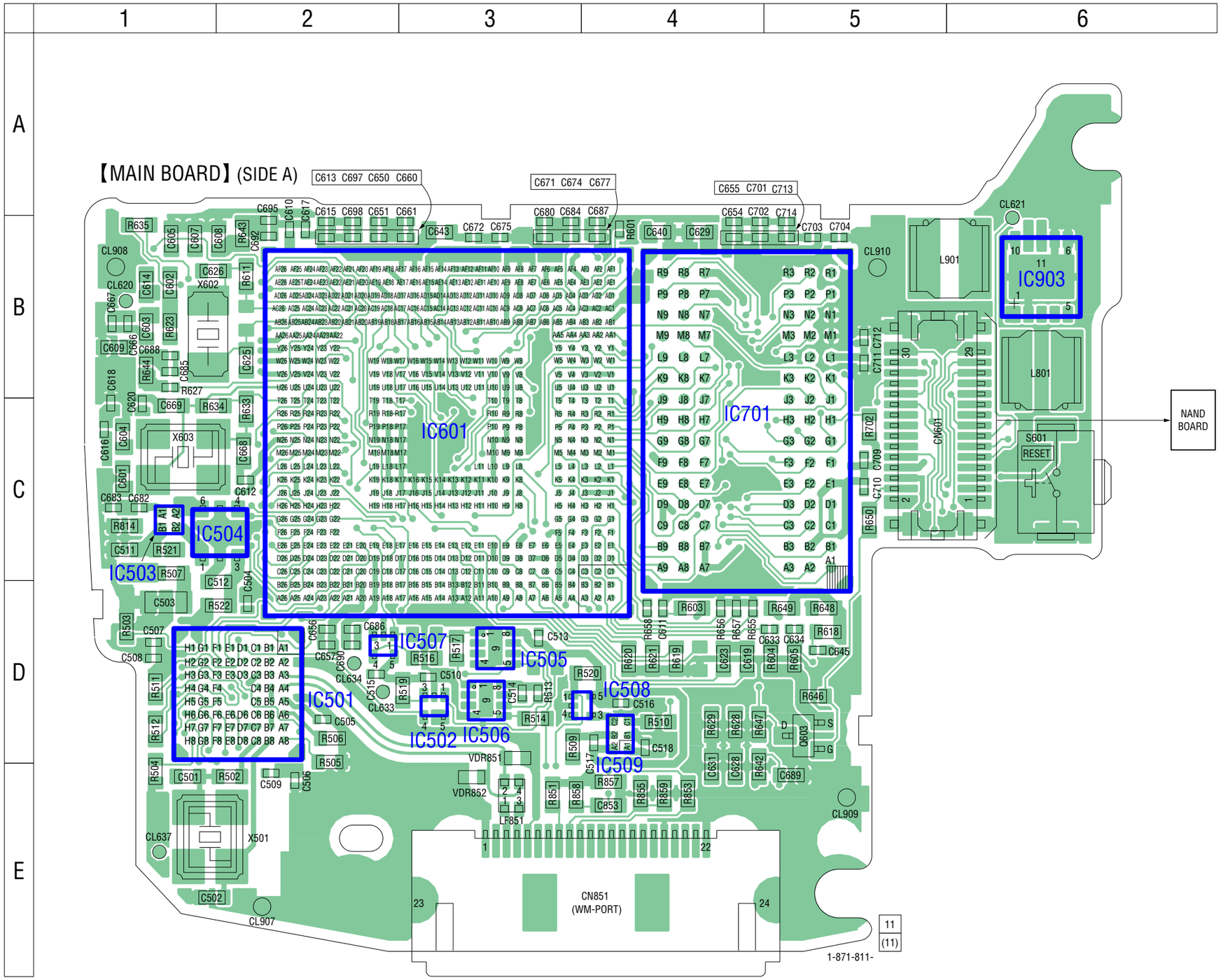
Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.
- ▬ : B+ Line.
- Power voltage is dc 3.7 V and fed with regulated dc power supply from CN901 pin ① and pin ② on the MAIN board.
- Voltages are dc with respect to ground under no-signal conditions.
  no mark : PLAY BACK
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : AUDIO
  ⇛ : VIDEO
- Abbreviation
  FR : French model

- **Semiconductor Location**

Ref. No.	Location
IC501	D-2
IC502	D-3
IC503	C-1
IC504	C-2
IC505	D-3
IC506	D-3
IC507	D-2
IC508	D-4
IC509	D-4
IC601	C-3
IC701	C-4
IC903	B-6
Q603	D-5

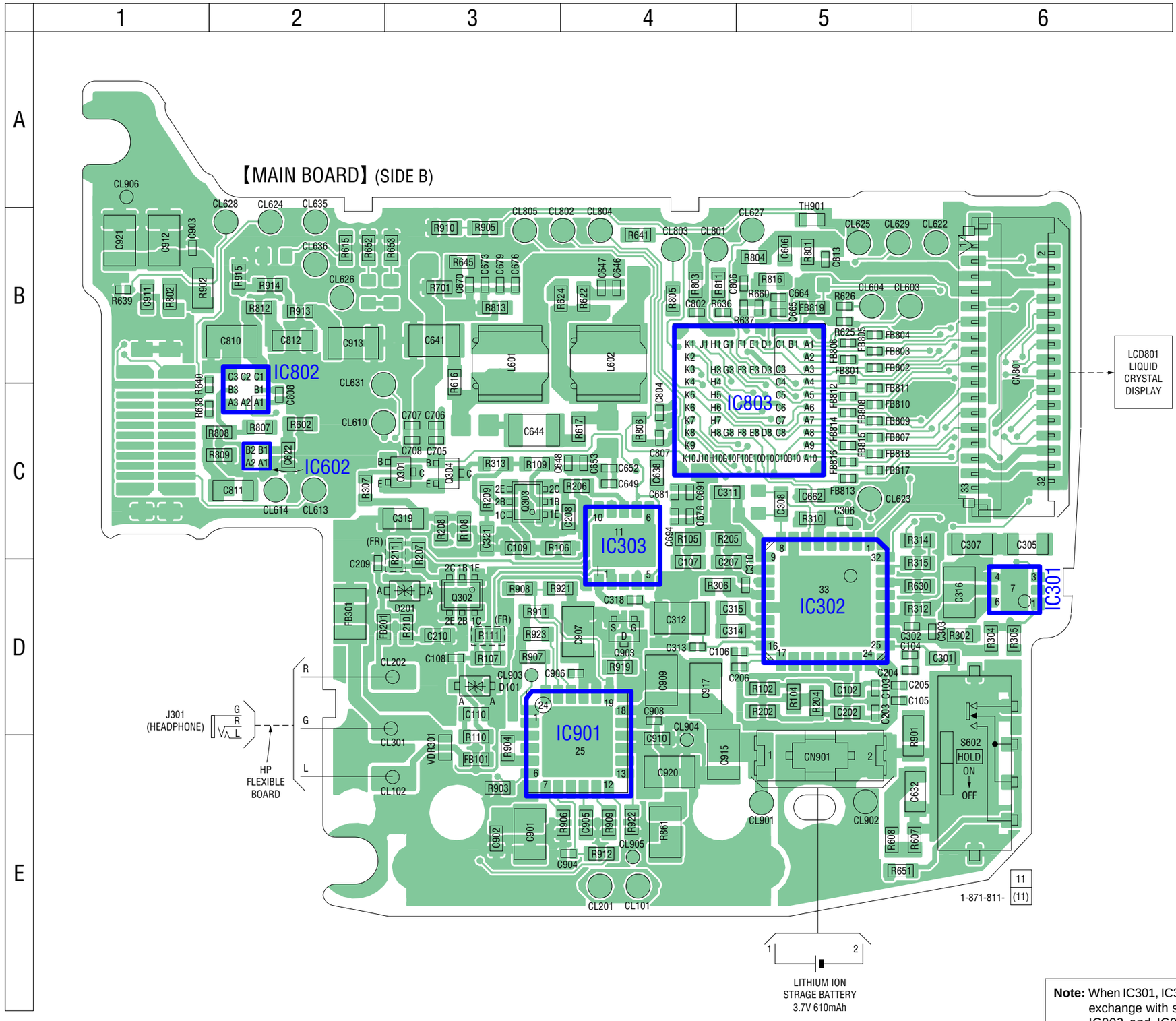
5-2. PRINTED WIRING BOARDS – MAIN Section (1/2) – : Uses unleaded solder.



Note: When CN601, IC501, IC503, IC505, IC506, IC509, IC601, IC701 and IC903 cannot exchange with single. When CN601, IC501, IC503, IC505, IC506, IC509, IC601, IC701 and IC903 are damaged, exchange the entire mounted board.

5-3. PRINTED WIRING BOARDS – MAIN Section (2/2) –

: Uses unleaded solder.



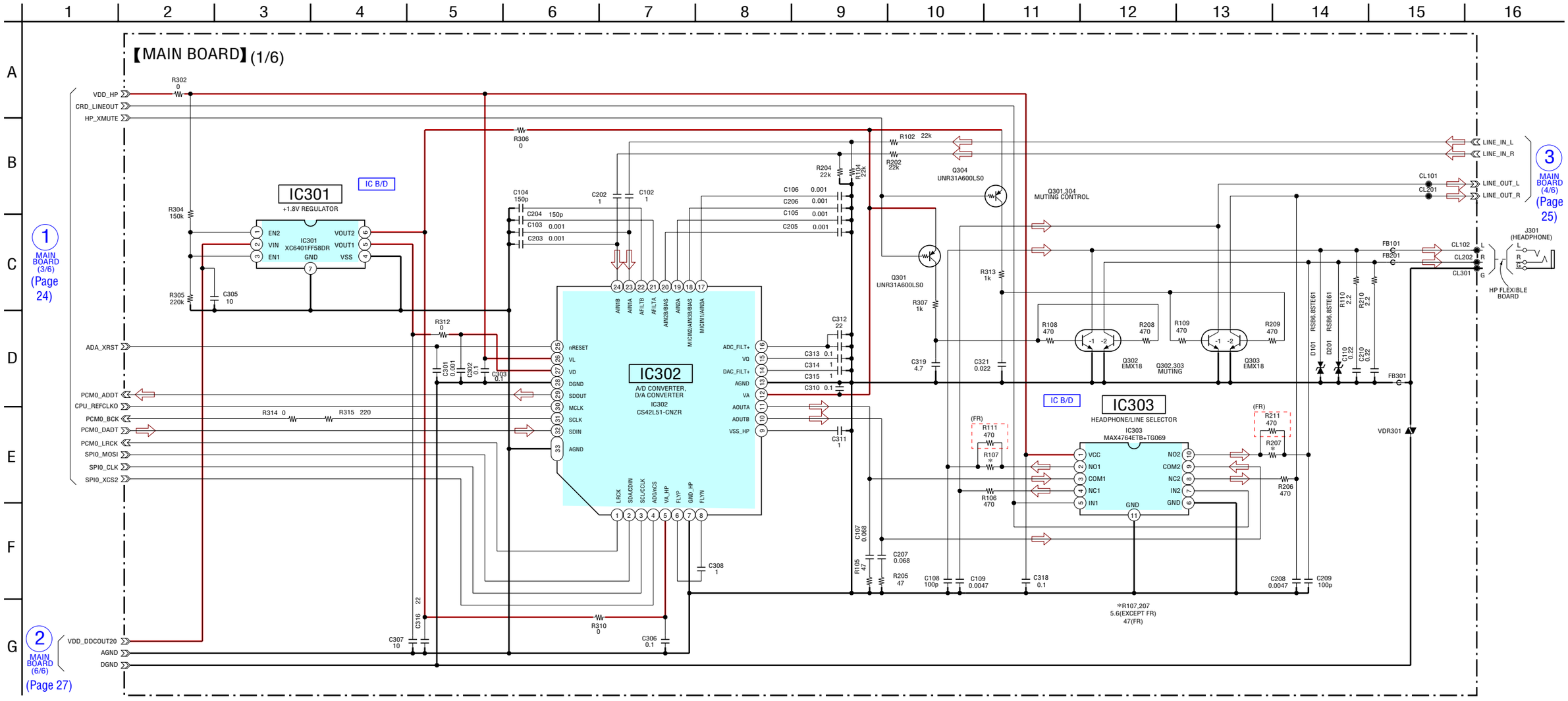
- **Semiconductor Location**

Ref. No.	Location
D101	D-3
D201	D-3
IC301	D-6
IC302	D-5
IC303	C-4
IC602	C-2
IC802	C-2
IC803	C-5
IC901	E-4
Q301	C-3
Q302	D-3
Q303	C-3
Q304	C-3
Q903	D-4

Note: When IC301, IC302, IC602, IC802, IC803 and IC901 cannot exchange with single. When IC301, IC302, IC602, IC802, IC803 and IC901 are damaged, exchange the entire mounted board.

5-4. SCHEMATIC DIAGRAM – MAIN Section (1/6) –

• See page 28 for IC Block Diagrams. • See page 30 for IC Pin Function Description.



Note: When IC301 and IC302 cannot exchange with single. When IC301 and IC302 are damaged, exchange the entire mounted board.

5-5. SCHEMATIC DIAGRAM – MAIN Section (2/6) –

• See page 28 for IC Block Diagrams.

【MAIN BOARD】(2/6)

IC506 D FLIP-FLOP — IC506 TC7WG74FC
IC505 D FLIP-FLOP — IC505 TC7WG74FC
IC501 USB CONTROLLER — IC501 S1R72V17B00A20B
IC508 INVERTER — IC508 TC7SG04AFS
IC509 LEVEL SHIFT — IC509 SN74AVC1T45YZPR
IC507 INVERTER — IC507 TC7SG04AFS
IC502 RESET SWITCH — IC502 TC7SG08AFS
IC503 +3.1V REGULATOR — IC503 TK63731AB1G0B
IC504 +1.8V REGULATOR — IC504 TK63718HGL-G

4 MAIN BOARD (3/6) (Page 24)
5 MAIN BOARD (6/6) (Page 27)
6 MAIN BOARD (4/6) (Page 25)

Note: When IC501, IC503, IC505, IC506 and IC509 cannot exchange with single. When IC501, IC503, IC505, IC506 and IC509 are damaged, exchange the entire mounted board.

5-6. SCHEMATIC DIAGRAM – MAIN Section (3/6) –

• See page 28 for IC Block Diagrams. • See page 30 for IC Pin Function Description.

【MAIN BOARD】(3/6)

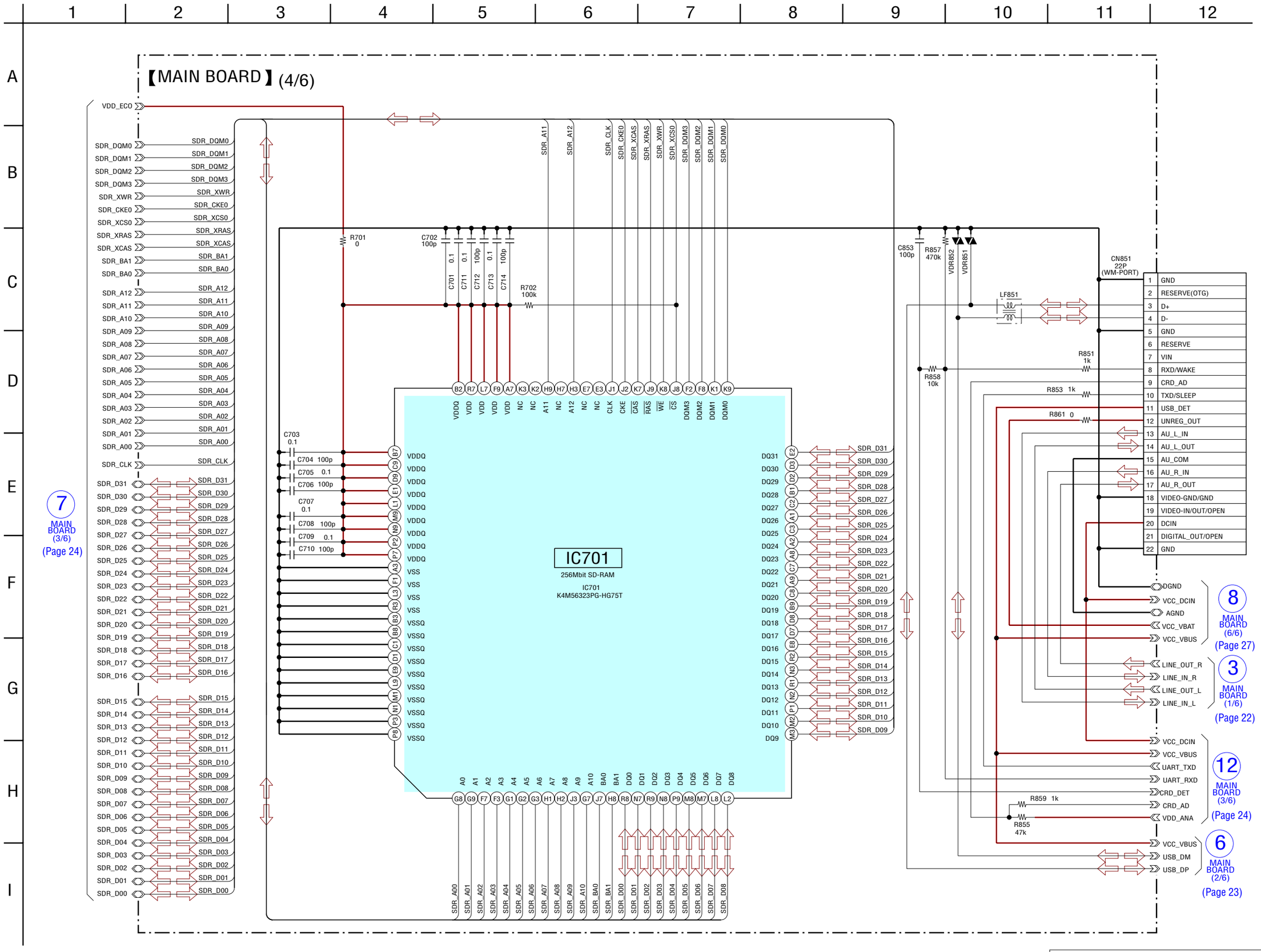
IC601
SYSTEM CONTROLLER,POWER CONTROL, LCD DRIVER NAND FLASH INTERFACE, MS INTERFACE,SD-RAM INTERFACE
IC601
MC-10051F1-FAE-A

IC602
+3.1V REGULATOR
IC602
TK63731AB1G0B

DDC CHG ADC ULPI SPI SDRAM
GPIO PowerSW REG RTC
PCM NAND MS SDuWIRE LCD IIC
AsyncBus DTV JTAG

Note: When CN601, IC601 and IC602 cannot exchange with single. When CN601, IC601 and IC602 are damaged, exchange the entire mounted board.

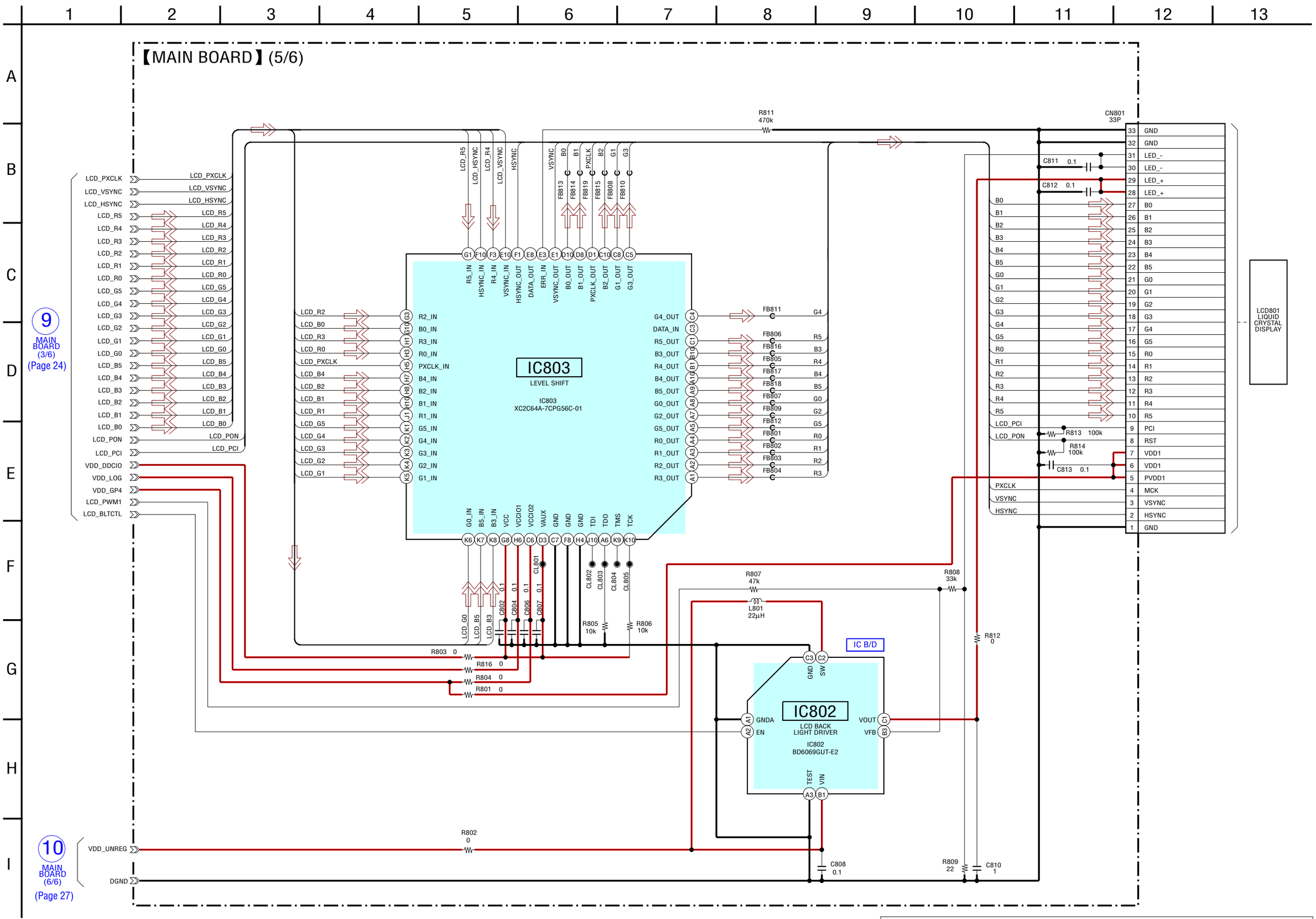
5-7. SCHEMATIC DIAGRAM – MAIN Section (4/6) –



Note: When IC701 cannot exchange with single. When IC701 is damaged, exchange the entire mounted board.

5-8. SCHEMATIC DIAGRAM – MAIN Section (5/6) –

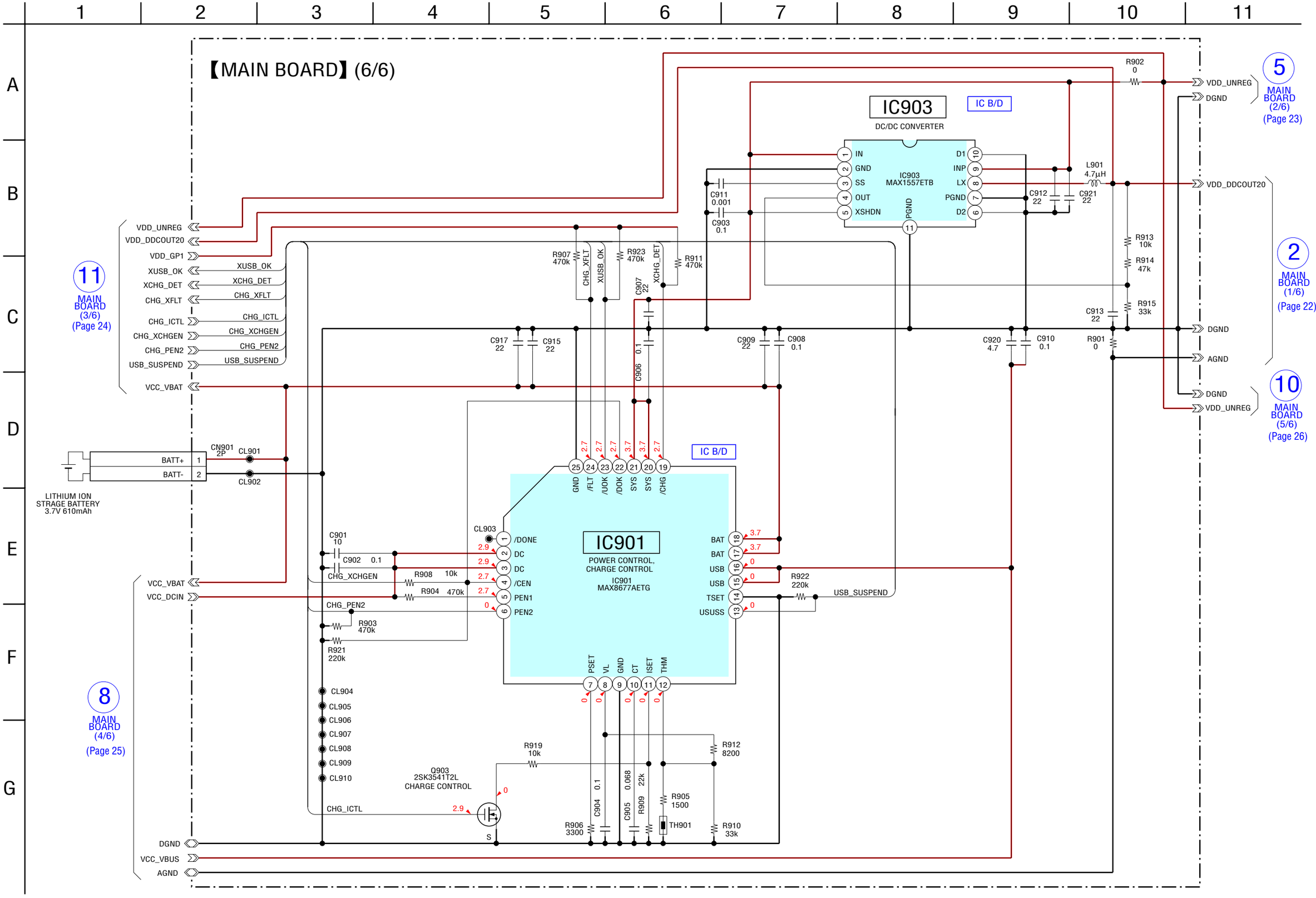
• See page 28 for IC Block Diagrams. • See page 30 for IC Pin Function Description.



Note: When IC802 and IC803 cannot exchange with single. When IC802 and IC803 are damaged, exchange the entire mounted board.

5-9. SCHEMATIC DIAGRAM – MAIN Section (6/6) –

• See page 28 for IC Block Diagrams.

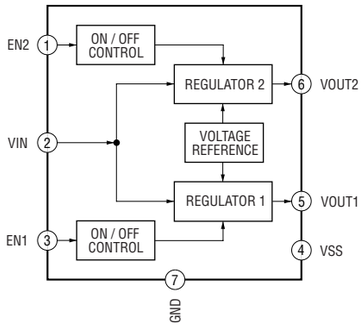


Note: When IC901 and IC903 cannot exchange with single. When IC901 and IC903 are damaged, exchange the entire mounted board.

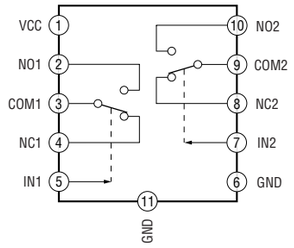
- **IC Block Diagrams**

– MAIN Board –

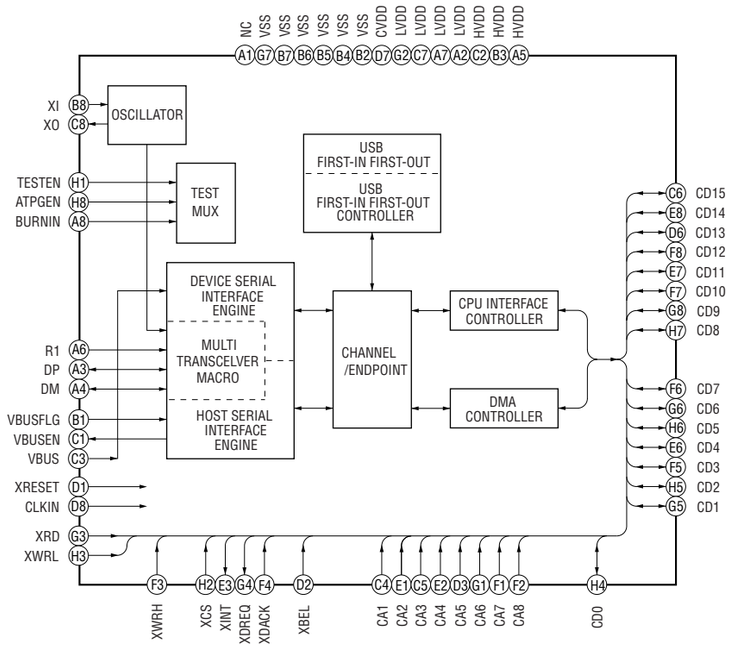
IC301 XC6401FF58DR



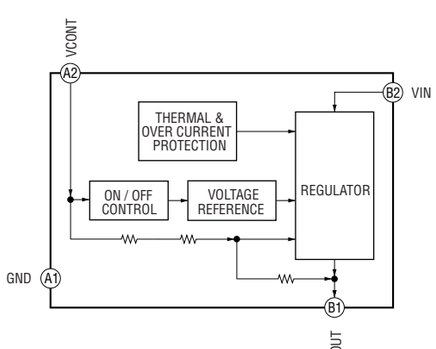
IC303 MAX4764ETB+TG069



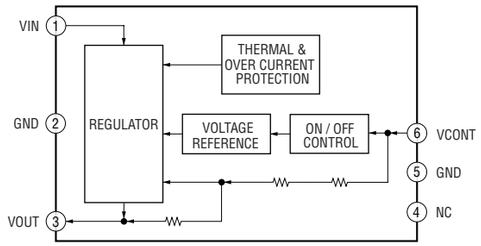
IC501 S1R72V17B00A20B



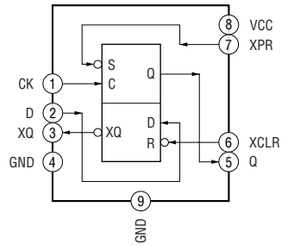
IC503, 602 TK63731AB1G0B



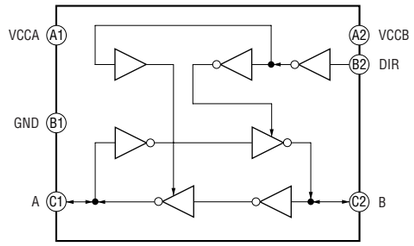
IC504 TK63718HCL-G



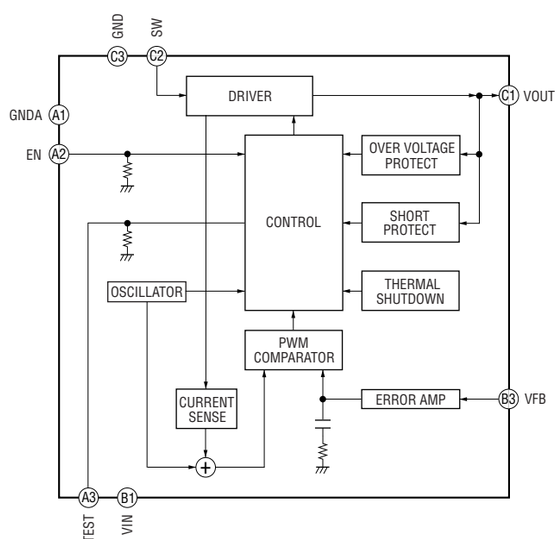
IC505, 506 TC7WG74FC



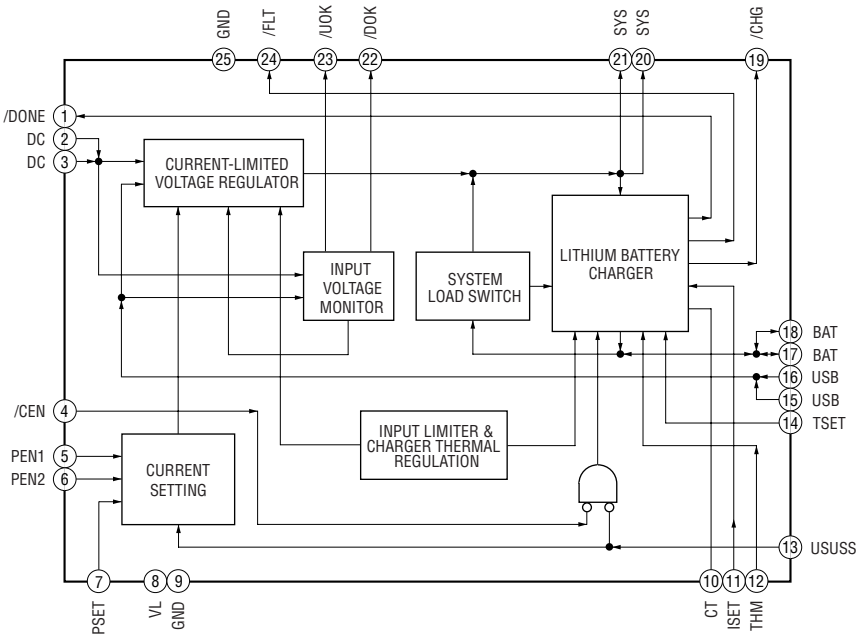
IC509 SN74AVC1T45YZPR



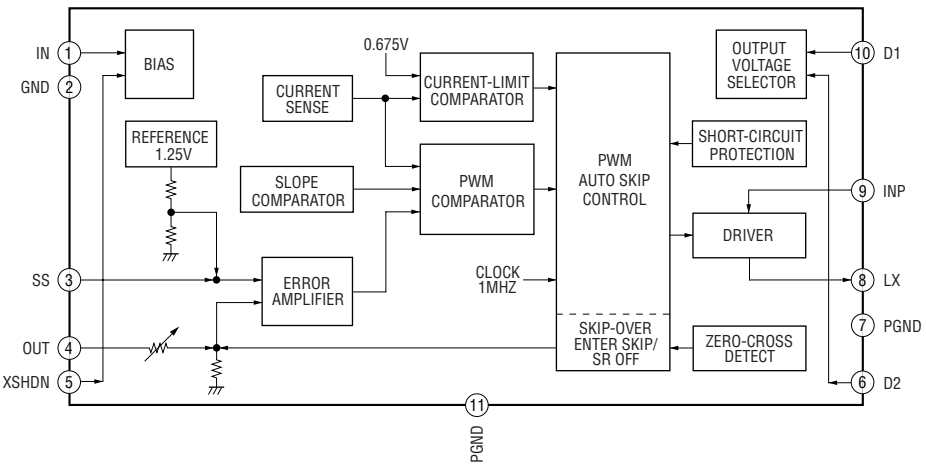
IC802 BD6069GUT-E2



IC901 MAX8677AETG



IC903 MAX1557ETB



- **IC Pin Function Description**

MAIN BOARD IC302 CS42L51-CNZR (A/D CONVERTER, D/A CONVERTER)

Pin No.	Pin Name	I/O	Description
1	LRCK	I/O	L/R sampling clock signal input/output with the system controller
2	SDA/CDIN	I/O	I2C mode : Serial date input/output with the system controller SPI mode : Serial date input from the system controller
3	SCL/CCLK	I	Serial data transfer clock signal input from the system controller
4	AD0/nCS	I	I2C mode : Address signal input from the system controller SPI mode : Chip select signal input from the system controller
5	VA_HP	-	Power supply terminal (+1.8V)
6	FLYP	I	Connected to the external charge pump capacitor (positive node)
7	GND_HP	-	Ground terminal
8	FLYN	I	Connected to the external charge pump capacitor (negative node)
9	VSS_HP	-	Connected to the capacitor for the internal analog headphone section
10	AOUTB	O	R-ch analog audio signal output to the headphone and WM-port
11	AOUTA	O	L-ch analog audio signal output to the headphone and WM-port
12	VA	-	Power supply terminal (+1.8V)
13	AGND	-	Ground terminal
14	DAC_FILT+	-	Not used
15	VQ	-	Not used
16	ADC_FILT+	-	Not used
17	MICIN1/AIN3A	I	Analog audio signal input terminal Not used
18	MICIN2/AIN3B/ BIAS	I	Analog audio signal input terminal Not used
19	AIN2A	I	Analog audio signal input terminal Not used
20	AIN2B/BIAS	I	Analog audio signal input terminal Not used
21	AFILTA	-	Not used
22	AFILTB	-	Not used
23	AIN1A	I	L-ch analog audio signal input from the WM-port
24	AIN1B	I	R-ch analog audio signal input from the WM-port
25	nRESET	I	Reset signal input from the system controller
26	VL	-	Power supply terminal
27	VD	-	Power supply terminal (+1.8V)
28	DGND	-	Ground terminal
29	SDOUT	O	Serial audio date output to the system controller
30	MCLK	I	Master clock signal input from the system controller
31	SCLK	O	Serial clock signal output to the system controller
32	SDIN	I	Serial audio date input from the system controller
33	AGND	-	Ground terminal

MAIN BOARD IC601 MC-10051F1-FAE-A (SYSTEM CONTROLLER, POWER CONTROL, LCD DRIVER, NAND FLASH INTERFACE, MS INTERFACE, SD-RAM INTERFACE)

Pin No.	Pin Name	I/O	Description
A1 to A3	NC	-	Not used
A4	NAND_WEZ	O	Write enable signal output to the NAND flash memory
A5	IO_B	-	Not used
A6 to A10	NC	-	Not used
A11 to A13	GND	-	Ground terminal
A14 to A16	NC	-	Not used
A17	VCCVBUS	-	Power supply terminal (USB power supply)
A18	NC	-	Not used
A19	IO_A	-	Not used
A20	VDD_L0	-	Power supply terminal
A21	AB0_A8	O	Address signal output to the USB controller
A22 to A26, B1, B2	NC	-	Not used
B3	NAND_CEZ2	O	Chip enable signal output to the NAND flash memory
B4	NAND_DA0	I/O	Serial date input/output with the NAND flash memory
B5	IO_B	-	Not used
B6	KEY_AD1	I	Key input terminal (A/D input)
B7, B8	ADIN6, ADIN8	-	Not used
B9	ADVCC	-	Power supply terminal
B10	CPEN	-	Not used
B11, B12	GND	-	Ground terminal
B13	SWGND	-	Ground terminal
B14	NC	-	Not used
B15	SWADP2	-	Not used
B16	GND	-	Ground terminal
B17	VCCADP	-	Power supply terminal
B18	NC	-	Not used
B19	IO_A	-	Not used
B20	VDD_L0	-	Power supply terminal
B21 to B26, C1	NC	-	Not used
C2, C3	NAND_CEZ1, NAND_CEZ3	O	Chip enable signal output to the NAND flash memory
C4	NAND_DA1	I/O	Serial date input/output with the NAND flash memory
C5	IO_B	-	Not used
C6	KEY_AD0	I	Key input terminal (A/D input)
C7	ADIN5	-	Not used
C8	CRD_AD	I	Terminal for peropherals distinction of WM-port
C9	ADGND	-	Ground terminal
C10	NC	-	Not used
C11	GND	-	Ground terminal
C12	NC	-	Not used
C13	GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
C14	NC	-	Not used
C15	SWADP	-	Not used
C16	CAPVBDL	-	Not used
C17	VCCVBAT	-	Power supply terminal (battery power supply)
C18	NC	-	Not used
C19	IO_A	-	Not used
C20	AB0_A5	O	Address signal output to the USB controller
C21 to C24	NC	-	Not used
C25	AB0_D1	I/O	Serial date input/output with the USB controller
C26	NC	-	Not used
D1	IDPULLUP	-	Not used
D2	NAND_RBZ0	O	Read/busy signal output to the NAND flash memory
D3	NAND_ALE	O	Address latch enable signal output to the NAND flash memory
D4	NAND_DA2	I/O	Serial date input/output with the NAND flash memory
D5	IO_B	-	Not used
D6, D7	VDD_L1	-	Power supply terminal
D8	GND	-	Ground terminal
D9	NC	-	Not used
D10	GND	-	Ground terminal
D11 to D14	NC	-	Not used
D15	SWVBUS2	-	Not used
D16	CAPVBSW	-	Not used
D17	VCCVBAT	-	Power supply terminal (battery power supply)
D18	AB0_A3	O	Address signal output to the USB controller
D19	IO_A	-	Not used
D20	AB0_A6	O	Address signal output to the USB controller
D21 to D23	NC	-	Not used
D24, D25	AB0_D0, AB0_D2	I/O	Serial date input/output with the USB controller
D26	NC	-	Not used
E1	DISCHGVBUS	-	Not used
E2	NC	-	Not used
E3	NAND_REZ	O	Read enable signal output to the NAND flash memory
E4	NAND_DA3	I/O	Serial date input/output with the NAND flash memory
E5	IO_B	-	Not used
E6	NAND_DA5	I/O	Serial date input/output with the NAND flash memory
E7	NC	-	Not used
E8	NAND_DA7	I/O	Serial date input/output with the NAND flash memory
E9	NAND_CLE	O	Command latch enable signal output to the NAND flash memory
E10	BATSEL	-	Not used
E11	SWBAT	-	Not used
E12	CAPBTDL	-	Not used
E13	CAPADDL	-	Not used
E14	NC	-	Not used
E15	SWVBUS	-	Not used
E16, E17	NC	-	Not used
E18	AB0_A4	O	Address signal output to the USB controller

Pin No.	Pin Name	I/O	Description
E19	FLASHCLK	O	Flash clock output to the D flip-flop
E20	AB0_A7	O	Address signal output to the USB controller
E21 to E23	NC	-	Not used
E24	AB0_XDRQ	I	DMA request signal input from the USB controller
E25	AB0_D4	I/O	Serial date input/output with the USB controller
E26	NC	-	Not used
F1	DGND	-	Ground terminal
F2	CHGVBUS	-	Not used
F3, F4	NC	-	Not used
F5	IO_B	-	Not used
F22	AB0_CSZ2	O	Chip select signal output to the USB controller
F23	AB0_XACK	O	DMA acknowledge signal output to the USB controller
F24, F25	AB0_D3, AB0_D5	I/O	Serial date input/output with the USB controller
F26	NC	-	Not used
G1	DVDD	-	Power supply terminal
G2, G3	NC	-	Not used
G4	EXTRST	I	Reset signal input from the reset switch
G5	NC	-	Not used
G22	ETHER_XINT	-	Not used
G23 to G25	AB0_D15 to AB0_D13	I/O	Serial date input/output with the USB controller
G26	NC	-	Not used
H1	USBSUSPD	-	Not used
H2	NC	-	Not used
H3 to H5	SDR_DATA25, SDR_DATA27, SDR_DATA31	I/O	Serial data input/output with the 256Mbit SD-RAM
H8	NAND_RBZ1	O	Read/busy signal outoput to the NAND flash memory
H9 to H15	NC	-	Not used
H16	AB0_WRZ	O	Write strobe signal output to the USB controller
H17	NC	-	Not used
H18, H19	AB0_A1, AB0_A2	O	Address signal output to the USB controller
H22 to H25	AB0_D8, AB0_D9, AB0_D7, AB0_D6	I/O	Serial date input/output with the USB controller
H26	NC	-	Not used
J1 to J3	IO_A	-	Not used
J4, J5	SDR_DATA29, SDR_DATA30	I/O	Serial data input/output with the 256Mbit SD-RAM
J8	NAND_RBZ2	O	Read/busy signal outoput to the NAND flash memory
J9, J10	NC	-	Not used
J11 to J17	GND	-	Ground terminal
J18	NC	-	Not used
J19	AB0_RDZ	O	Read strobe signal output to the USB controller
J22 to J24	AB0_D10 to AB0_D12	I/O	Serial date input/output with the USB controller
J25	CHGGND1	-	Ground terminal
J26	NC	-	Not used
K1 to K3	VDD_L1	-	Power supply terminal

Pin No.	Pin Name	I/O	Description
K4, K5	SDR_DATA28, SDR_DATA26	I/O	Serial data input/output with the 256Mbit SD-RAM
K8	NAND_RBZ3	O	Read/busy signal outoput to the NAND flash memory
K9	NAND_DA6	I/O	Serial date input/output with the NAND flash memory
K10 to K18	GND	-	Ground terminal
K19	NC	-	Not used
K22	LCD_HSYNC	O	Horizontal sync signal output to the level shift
K23	NC	-	Not used
K24	LCD_VSYNC	O	Vertical sync signal output to the level shift
K25	CHGGND2	-	Ground terminal
K26	NC	-	Not used
L1 to L5, L8	SDR_DATA23 to SDR_DATA20, SDR_DATA24, SDR_DATA19	I/O	Serial data input/output with the 256Mbit SD-RAM
L9	NAND_DA4	I/O	Serial date input/output with the NAND flash memory
L10	GND	-	Ground terminal
L11	NC	-	Not used
L17, L18	GND	-	Ground terminal
L19, L22 to L25	LCD_B1 to LCD_B5	O	Video signal (B) output to the level shift
L26	NC	-	Not used
M1 to M5, M8	SDR_DATA18 to SDR_DATA13	I/O	Serial data input/output with the 256Mbit SD-RAM
M9	NAND_CEZ0	O	Chip enable signal output to the NAND flash memory
M10, M17, M18	GND	-	Ground terminal
M19	LCD_B0	O	Video signal (B) output to the level shift
M22 to M25	LCD_G0 to LCD_G3	O	Video signal (G) output to the level shift
M26	NC	-	Not used
N1 to N5, N8	SDR_DATA12 to SDR_DATA7	I/O	Serial data input/output with the 256Mbit SD-RAM
N9, N10, N17 to N19	GND	-	Ground terminal
N22, N23	LCD_G4, LCD_G5	O	Video signal (G) output to the level shift
N24, N25	LCD_R0, LCD_R1	O	Video signal (R) output to the level shift
N26	VMICIN	I	Power supply voltage input terminal
P1 to P4	SDR_DATA5 to SDR_DATA2	I/O	Serial data input/output with the 256Mbit SD-RAM
P5	SDR_DQM0	O	Write mask signal output to the 256Mbit SD-RAM
P8	SDR_DATA6	I/O	Serial data input/output with the 256Mbit SD-RAM
P9	GND	-	Ground terminal
P10	RESETZ	O	Reset signal output to the USB controller
P17 to P19	GND	-	Ground terminal
P22	LCD_R3	O	Video signal (R) output to the level shift

Pin No.	Pin Name	I/O	Description
P23	LCD_PXCLK	O	Clock signal output to the level shift
P24	NC	-	Not used
P25, P26	IO_A	-	Not used
R1	SDR_DATA0	I/O	Serial data input/output with the 256Mbit SD-RAM
R2 to R4	SDR_DQM3 to SDR_DQM1	O	Write mask signal output to the 256Mbit SD-RAM
R5	SDR_WEZ	O	Write enable signal output to the 256Mbit SD-RAM
R8	SDR_DATA1	I/O	Serial data input/output with the 256Mbit SD-RAM
R9	GND	-	Ground terminal
R10	NC	-	Not used
R17	U70_CTSZ	-	Not used
R18	U70_RTSZ	-	Not used
R19	GND	-	Ground terminal
R22, R23	LCD_R2, LCD_R4	O	Video signal (R) output to the level shift
R24	GNDSINK	-	Ground terminal
R25	VDD_L0	-	Power supply terminal
R26	NC	-	Not used
T1	SDR_CKE0	O	Clock enable signal output to the 256Mbit SD-RAM
T2	NC	-	Not used
T3	SDR_CSZ0	O	Chip select signal output to the 256Mbit SD-RAM
T4	SDR_BA1	O	Bank address signal output to the 256Mbit SD-RAM
T5	SDR_RASZ	O	Row address strobe signal output to the 256Mbit SD-RAM
T8	NC	-	Not used
T9	GND	-	Ground terminal
T10	NC	-	Not used
T17	U70_SOUT	O	Serial data output to the WM-port
T18	U70_SRIN	I	Serial data input from the WM-port
T19	GND	-	Ground terminal
T22	LCD_R5	O	Video signal (R) output to the level shift
T23	NC	-	Not used
T24	C_TMS	I	MS signal input terminal for JTAG Not used
T25	VLOG	O	Power supply output terminal
T26	CKO	O	Main system clock output terminal (11.2896MHz)
U1 to U5	SDR_A12 to SDR_A8	O	Address signal output to the 256Mbit SD-RAM
U8	SDR_CASZ	O	Column address strobe signal output to the 256Mbit SD-RAM
U9	GND	-	Ground terminal
U10 to U12	NC	-	Not used
U13	WAKEUP	O	Wake up signal output terminal
U14	NC	-	Not used
U15	L1_DET	-	Not used
U16	ERR_RST_REQZ	-	Not used
U17	NC	-	Not used
U18	REFCLKO	O	Master clock signal output to the D/A converter
U19	NC	-	Not used
U22	C_TDO	O	Data output terminal for JTAG Not used
U23	VLOGIN	I	Power supply voltage input terminal

Pin No.	Pin Name	I/O	Description
U24	C_TCK	I	Clock signal input terminal for JTAG Not used
U25	VPLL	O	Power supply voltage output terminal
U26	CKI	I	Main system clock input terminal (11.2896MHz)
V1 to V3	IO_A	-	Not used
V4, V5, V8	SDR_A6, SDR_A5, SDR_A7	O	Address signal output to the 256Mbit SD-RAM
V9	GND	-	Ground terminal
V10	CHG_XCHGEN	O	Charge enable signal output to the charge control
V11	NC	-	Not used
V12 to V15	GND	-	Ground terminal
V16	DSP_DET	-	Not used
V17	LCD_BLTCTL	O	Control signal output to the LCD back light driver
V18, V19	NC	-	Not used
V22	C_RTCK	I	Clock signal input terminal for JTAG Not used
V23	C_TRSTZ	I	Reset signal input terminal for JTAG Not used
V24	VPLLIN	I	Power supply voltage input terminal
V25	VDSPIN	I	Power supply voltage input terminal
V26	VDSP	-	Not used
W1	IOGND	-	Ground terminal
W2	LCD_PCI	O	PCI signal output to the liquid crystal display
W3	LCD_PON	O	PON signal output to the liquid crystal display
W4, W5	SDR_A4, SDR_A3	O	Address signal output to the 256Mbit SD-RAM
W8	CHG_PEN2	O	Charge enable signal output to the charge control
W9	GND	-	Ground terminal
W10	NC	-	Not used
W11 to W18	GND	-	Ground terminal
W19	WR_ERR	-	Not used
W22	NC	-	Not used
W23	C_TDI	I	Data input terminal for JTAG Not used
W24, W25	IO_B	-	Not used
W26	VLO	O	Power supply voltage output terminal
Y1	IOVDD	-	Power supply terminal
Y2	CHG_ICTL	O	Charge on/off control signal output to the charge control
Y3	HP_XMUTE	O	Analog muting on/off control signal output terminal
Y4, Y5	SDR_A2, SDR_A1	O	Address signal output to the 256Mbit SD-RAM
Y22, Y23	TM1, TM0	-	Not used
Y24, Y25	VDD_DSP	-	Power supply terminal
Y26	VHP	O	Power supply voltage output terminal
AA1	CRD_LINEOUT	O	Selection signal output to the headphone/line selecter
AA2	WAKEUP_INT	I	Wake up signal input terminal
AA3	GPIO9	-	Not used
AA4	SDR_A0	O	Address signal output to the 256Mbit SD-RAM
AA5	SDR_CLK	O	Clock signal output to the 256Mbit SD-RAM
AA22, AA23	GND	-	Ground terminal
AA24	TM2	-	Not used

Pin No.	Pin Name	I/O	Description
AA25	VANAIN	I	Power supply voltage input terminal
AA26	VANA	O	Power supply voltage output terminal
AB1	VDD_L0	-	Power supply terminal
AB2	XUSB_OK	I	USB OK signal input from the charge control
AB3	CRD_DET	I	Wake up signal input from the WM-port
AB4	CHG_XFLT	I	Charge signal showing that the drive is in fault status is input
AB5	SDR_BA0	O	Bank address signal output to the 256Mbit SD-RAM
AB6, AB7	NC	-	Not used
AB8	USB_SUSPEND	O	USB suspend signal output to the charge control
AB9	IO_C	-	Not used
AB10 to AB12	NC	-	Not used
AB13	USB_XRST	O	Reset signal output to the USB controller
AB14	USB_INT2	I	Interrupt request signal input from the USB controller
AB15 to AB17	MS_DATA3, MS_DATA2, MS_DATA0	-	Not used
AB18	MS_INSZ	-	Not used
AB19	WR_LEDCTL	-	Not used
AB20	PM1_SEN	I/O	L/R sampling clock signal input/output terminal Not used
AB21	PM1_CLK	I	Serial clock signal input terminal Not used
AB22	PM0_SEN	I/O	L/R sampling clock signal input/output with the D/A converter
AB23, AB24	GND	-	Ground terminal
AB25	GND1	-	Ground terminal
AB26	OSCIN	I	Sub system clock input terminal (32.768kHz)
AC1 to AC3	IO_A	-	Not used
AC4	XCHG_DET	I	Charge detection signal input from the charge control
AC5	USB_INT1	I	Interrupt request signal input from the USB controller
AC6	NC	-	Not used
AC7	SPI0_SK	O	Serial data transfer clock signal output to the D/A converter
AC8	SPI0_SO	I/O	I2C mode : Serial date input/output with the D/A converter SPI mode : Serial date output to the D/A converter
AC9	IO_C	-	Not used
AC10 to AC13	NC	-	Not used
AC14	AVDD_LPLL	-	Power supply terminal
AC15	AVDD_HPLL	-	Power supply terminal
AC16	MS_DATA1	-	Not used
AC17	MS_BS	-	Not used
AC18	MS_SCK0	-	Not used
AC19	NC	-	Not used
AC20	ADA_XRST	O	Reset signal output to the D/A converter
AC21	PM0_CLK	I	Serial clock signal input from the D/A converter
AC22	PM0_SO	O	Serial audio date output to the D/A converter
AC23	PWM0	-	Not used
AC24	VLOIN	I	Power supply voltage input terminal

Pin No.	Pin Name	I/O	Description
AC25	IO_C	-	Not used
AC26	OSCOUT	O	Sub system clock output terminal (32.768kHz)
AD1	NC	-	Not used
AD2, AD3	BDID1, BDID0	-	Not used
AD4	XHOLD_KEY	I	Key hold on/off signal input from the hold switch
AD5	KEY_WAKE	I	Wake up control signal input terminal
AD6	NC	-	Not used
AD7	SPI0_CSZ2	O	I2C mode : Address signal output to the D/A converter SPI mode : Chip select signal output to the D/A converter
AD8	VDD_L1	-	Power supply terminal
AD9	IO_C	-	Not used
AD10 to AD13	NC	-	Not used
AD14	AVDD_LPLL	-	Power supply terminal
AD15	AVDD_HPLL	-	Power supply terminal
AD16	NC	-	Not used
AD17	BKBAT	I	Battery voltage detection input terminal
AD18	IO_A	-	Not used
AD19	NC	-	Not used
AD20	USB_PWRCTL	O	USB power control signal output terminal
AD21	GND2	-	Ground terminal
AD22	PM0_SI	I	Serial audio date input from the D/A converter
AD23	LCD_PWM1	O	PWM signal output to the LCD back light driver
AD24	NC	-	Not used
AD25	GND3	-	Ground terminal
AD26, AE1, AE2	NC	-	Not used
AE3	DD2VFBK	I	Power supply voltage feedback terminal
AE4	DD2VFBSW	O	Power supply voltage output terminal
AE5	DD2GNDA	-	Ground terminal
AE6	DD2INA	I	Power supply voltage input terminal
AE7	VDD_L0	-	Power supply terminal
AE8	VDD_L1	-	Power supply terminal
AE9	IO_C	-	Not used
AE10, AE11	NC	-	Not used
AE12	DD1INA	I	Power supply voltage input terminal
AE13	IO_B	-	Not used
AE14	AVDD_LPLL	-	Power supply terminal
AE15	AVDD_HPLL	-	Power supply terminal
AE16	GND	-	Ground terminal
AE17	DD1VFBK	I	Power supply voltage feedback terminal
AE18	VDD_DSP	-	Power supply terminal
AE19	IO_A	-	Not used
AE20	VGP12IN	I	Power supply voltage input terminal
AE21	VGP3IN	I	Power supply voltage input terminal
AE22	VGP4	O	Power supply voltage output terminal
AE23	VGP5	O	Power supply voltage output terminal

Pin No.	Pin Name	I/O	Description
AE24	VGP45IN	I	Power supply voltage input terminal
AE25, AE26, AF1 to AF3	NC	-	Not used
AF4	DD2VFB2	I	Power supply voltage feedback terminal
AF5, AF6	DD2INB1, DD2INB2	I	Power supply voltage input terminal
AF7 to AF9	DD2LX3, DD2LX1, DD2LX2	O	Power supply voltage output terminal
AF10, AF11	DD2GNDB1, DD2GNDB2	-	Ground terminal
AF12, AF13	DD1GNDB1, DD1GNDB2	-	Ground terminal
AF14, AF15	DD1LX1, DD1LX2	O	Power supply voltage output terminal
AF16, AF17	DD1INB1, DD1INB2	I	Power supply voltage input terminal
AF18	DD1VFBK2	I	Power supply voltage feedback terminal
AF19	DD1GNDA	-	Ground terminal
AF20	VGP1	O	Power supply voltage output terminal
AF21	COM	-	Not used
AF22	NC	-	Not used
AF23	VGP3	O	Power supply voltage output terminal
AF24 to AF26	NC	-	Not used

MAIN BOARD IC803 XC2C64A-7CPG56C-01 (LEVEL SHIFT)

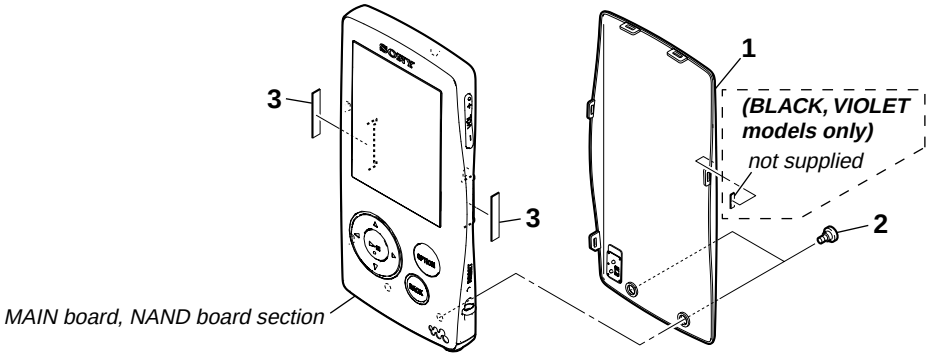
Pin No.	Pin Name	I/O	Description
A1 to A4	R3_OUT to R0_OUT	O	Video signal (R) output to the liquid crystal display
A5	G5_OUT	O	Video signal (G) output to the liquid crystal display
A6	TDO	O	Data output terminal for JTAG Not used
A7, A8	G2_OUT, G0_OUT	O	Video signal (G) output to the liquid crystal display
A9, A10	B5_OUT, B4_OUT	O	Video signal (B) output to the liquid crystal display
B1	R4_OUT	O	Video signal (R) output to the liquid crystal display
B10	B3_OUT	O	Video signal (B) output to the liquid crystal display
C1	R5_OUT	O	Video signal (R) output to the liquid crystal display
C3	DATA_IN	-	Not used
C4, C5	G4_OUT, G3_OUT	O	Video signal (G) output to the liquid crystal display
C6	VCCIO2	-	Power supply terminal
C7	GND	-	Ground terminal
C8	G1_OUT	O	Video signal (G) output to the liquid crystal display
C10	B2_OUT	O	Video signal (B) output to the liquid crystal display
D1	PXCLK_OUT	O	Clock signal output to the liquid crystal display
D3	VAUX	-	Power supply terminal
D8, D10	B1_OUT, B0_OUT	O	Video signal (B) output to the liquid crystal display
E1	VSYNC_OUT	O	Vertical sync signal output to the liquid crystal display
E3	ERR_IN	I	Not used
E8	DATA_OUT	-	Not used
E10	VSYNC_IN	I	Vertical sync signal input from the system controller
F1	HSYNC_OUT	O	Horizontal sync signal output to the liquid crystal display
F3	R4_IN	I	Video signal (R) input from the system controller
F8	GND	-	Ground terminal
F10	HSYNC_IN	I	Horizontal sync signal input from the system controller
G1, G3	R5_IN, R2_IN	I	Video signal (R) input from the system controller
G8	VCC	-	Power supply terminal
G10	B0_IN	I	Video signal (B) input from the system controller
H1, H3	R3_IN, R0_IN	I	Video signal (R) input from the system controller
H4	GND	-	Ground terminal
H5	PXCLK_IN	I	Clock signal input from the system controller
H6	VCCIO1	-	Power supply terminal
H7, H8, H10	B4_IN, B2_IN, B1_IN	I	Video signal (B) input from the system controller
J1	R1_IN	I	Video signal (R) input from the system controller
J10	TDI	I	Data input terminal for JTAG Not used
K1 to K6	G5_IN to G0_IN	I	Video signal (G) input from the system controller
K7, K8	B5_IN, B3_IN	I	Video signal (B) input from the system controller
K9	TMS	I	MS signal input terminal for JTAG Not used
K10	TCK	I	Clock signal input terminal for JTAG Not used

SECTION 6
EXPLODED VIEWS

NOTE:

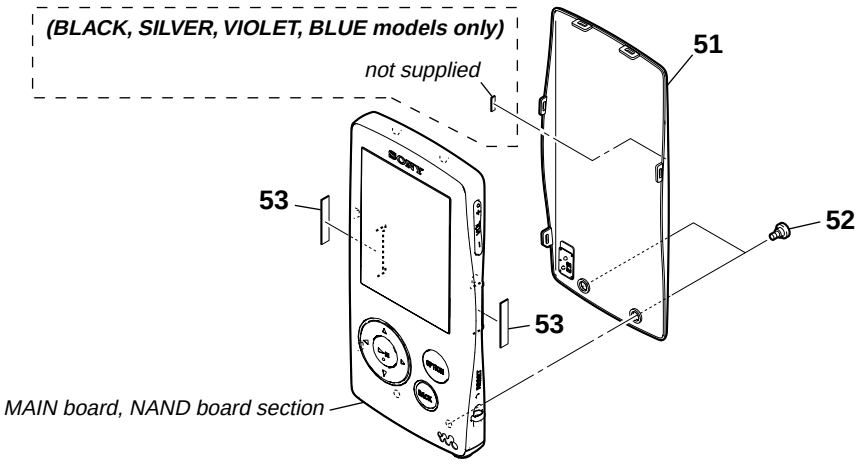
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.
- Refer to Servicing Notes "COLOR VARIATION" (page 5) about color variation.
- Abbreviation
  AUS : Australian model
  CH : Chinese model
  CND : Canadian model
  EE : East European model
  FR : French model
  HK : Hong kong model
  JE : Tourist model
  MX : Mexican model
  NZ : New Zealand model
  SP : Singapore model

6-1. REAR CABINET SECTION (NW-A805/A806/A808)



Ref. No.	Part No.	Description	Remark
1	X-2177-668-1	REAR CABINET ASSY (B) (BLACK)	(NW-A805: CND)
1	X-2177-669-1	REAR CABINET ASSY (B) (BLACK)	(NW-A806: CND)
1	X-2177-670-1	REAR CABINET ASSY (B) (BLACK)	(NW-A808: CND)
1	X-2177-674-1	REAR CABINET ASSY (W) (WHITE)	(NW-A805: CND)
1	X-2177-720-1	REAR CABINET ASSY (B) (BLACK)	(NW-A808: E, AUS, JE)
1	X-2177-721-1	REAR CABINET ASSY (V) (VIOLET)	(NW-A805: E, AUS, JE)
1	X-2177-722-1	REAR CABINET ASSY (V) (VIOLET)	(NW-A806: E, AUS, JE)
1	X-2177-724-1	REAR CABINET ASSY (W) (WHITE)	(NW-A805: E, AUS, JE)
1	X-2177-725-1	REAR CABINET ASSY (W) (WHITE)	(NW-A806: E, AUS, JE)
1	X-2177-731-1	REAR CABINET ASSY (B) (BLACK)	(NW-A805: AEP, UK, EE)
1	X-2177-732-1	REAR CABINET ASSY (B) (BLACK)	(NW-A806: AEP, UK, EE)
1	X-2177-733-1	REAR CABINET ASSY (B) (BLACK)	(NW-A808: AEP, UK, EE)
1	X-2177-734-1	REAR CABINET ASSY (V) (VIOLET)	(NW-A805: AEP, UK, EE)
1	X-2177-735-1	REAR CABINET ASSY (V) (VIOLET)	(NW-A806: AEP, UK)
1	X-2177-737-1	REAR CABINET ASSY (W) (WHITE)	(NW-A805: AEP, UK, EE)
1	X-2177-738-1	REAR CABINET ASSY (W) (WHITE)	(NW-A806: AEP, UK, EE)
1	X-2177-739-1	REAR CABINET ASSY (W) (WHITE)	(NW-A808: AEP, UK)
1	X-2177-740-1	REAR CABINET ASSY (P) (PINK)	(NW-A805: AEP, UK, EE)
1	X-2177-741-1	REAR CABINET ASSY (P) (PINK)	(NW-A806: AEP, UK)
1	X-2177-750-1	REAR CABINET ASSY (B) (BLACK)	(NW-A805: FR)
1	X-2177-751-1	REAR CABINET ASSY (B) (BLACK)	(NW-A806: FR)
1	X-2177-752-1	REAR CABINET ASSY (B) (BLACK)	(NW-A808: FR)
1	X-2177-753-1	REAR CABINET ASSY (V) (VIOLET)	(NW-A805: FR)
1	X-2177-756-1	REAR CABINET ASSY (W) (WHITE)	(NW-A805: FR)
1	X-2177-757-1	REAR CABINET ASSY (W) (WHITE)	(NW-A806: FR)
1	X-2177-759-1	REAR CABINET ASSY (P) (PINK)	(NW-A805: FR)
1	X-2177-918-1	REAR CABINET ASSY (P) (PINK)	(NW-A806: CND)
1	X-2177-919-1	REAR CABINET ASSY (P) (PINK)	(NW-A806: E, AUS, JE)
1	X-2177-920-1	REAR CABINET ASSY (V) (VIOLET)	(NW-A805: MX)
1	X-2177-921-1	REAR CABINET ASSY (B) (BLACK)	(NW-A806: MX)
1	X-2177-922-1	REAR CABINET ASSY (V) (VIOLET)	(NW-A806: MX)
1	X-2177-923-1	REAR CABINET ASSY (B) (BLACK)	(NW-A808: MX)
1	X-2178-903-1	REAR CABINET ASSY (B) (BLACK)	(NW-A805: CH)
1	X-2178-904-1	REAR CABINET ASSY (V) (VIOLET)	(NW-A805: CH)
1	X-2178-905-1	REAR CABINET ASSY (W) (WHITE)	(NW-A805: CH)
1	X-2178-906-1	REAR CABINET ASSY (B) (BLACK)	(NW-A806: CH)
1	X-2178-907-1	REAR CABINET ASSY (W) (WHITE)	(NW-A806: CH)
1	X-2178-908-1	REAR CABINET ASSY (B) (BLACK)	(NW-A808: CH)
1	X-2178-912-1	REAR CABINET ASSY (P) (PINK)	(NW-A805: CH)
1	X-2186-850-1	REAR CABINET ASSY (B) (BLACK)	(NW-A806: E, AUS, JE)
2	2-889-243-01	PIN, ORNAMENT	
3	3-196-648-01	ADHESIVE (REAR)	

6-2. REAR CABINET SECTION (NWZ-A815/A816/A818)

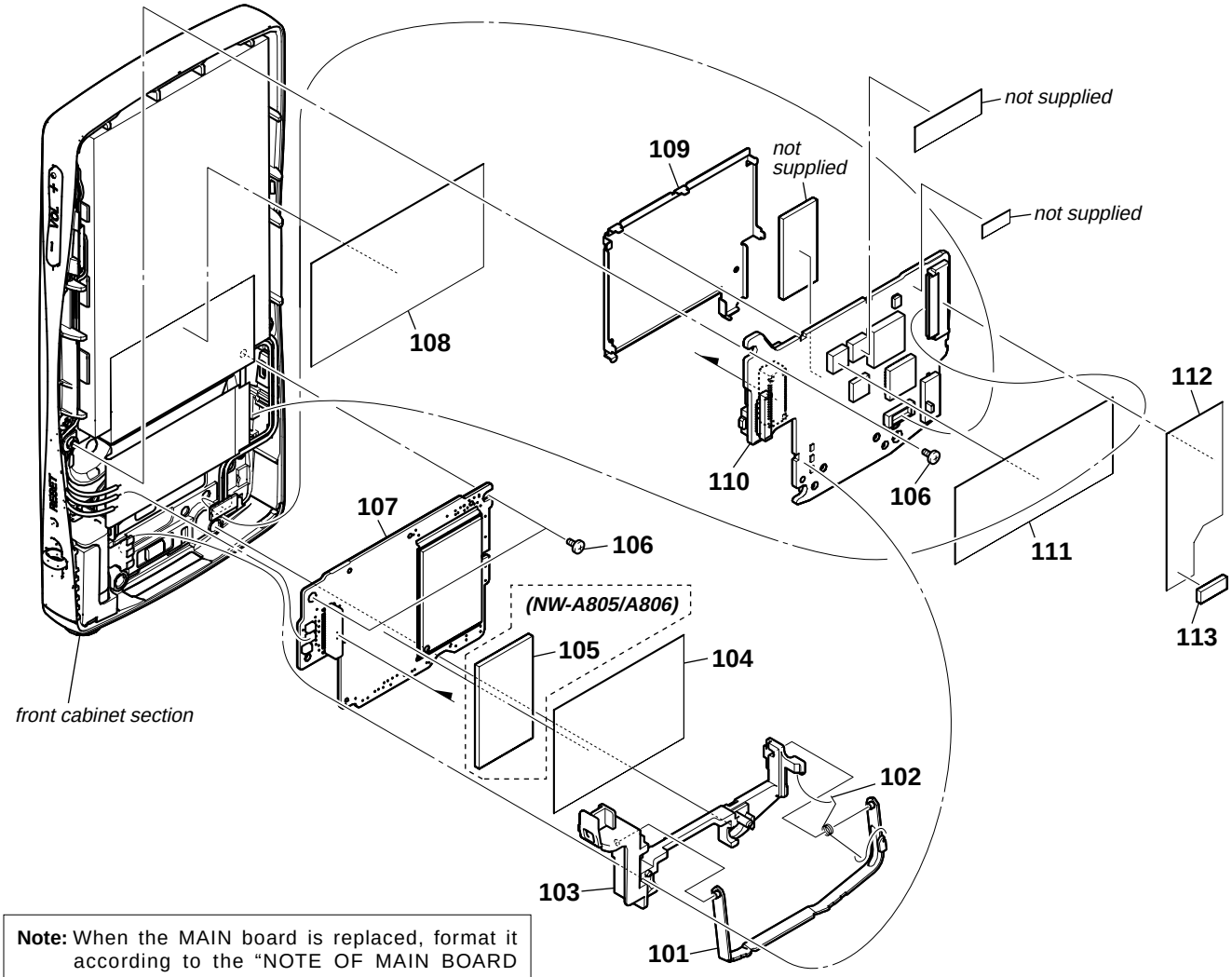


Note: Blue color type of NWZ-A816 US model is using parts of violet color type.

Ref. No.	Part No.	Description	Remark
51	X-2179-916-1	REAR CABINET ASSY (B) (BLACK)	(NWZ-A815: US)
51	X-2179-917-1	REAR CABINET ASSY (B) (BLACK)	(NWZ-A815: FR)
51	X-2179-918-1	REAR CABINET ASSY (B) (BLACK)	(NWZ-A815: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-920-1	REAR CABINET ASSY (W) (WHITE)	(NWZ-A815: US)
51	X-2179-921-1	REAR CABINET ASSY (W) (WHITE)	(NWZ-A815: FR)
51	X-2179-922-1	REAR CABINET ASSY (W) (WHITE)	(NWZ-A815: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-924-1	REAR CABINET ASSY (S) (SILVER)	(NWZ-A815: US)
51	X-2179-925-1	REAR CABINET ASSY (P) (PINK)	(NWZ-A815: US)
51	X-2179-926-1	REAR CABINET ASSY (V) (VIOLET)	(NWZ-A815: US)
51	X-2179-932-1	REAR CABINET ASSY (B) (BLACK)	(NWZ-A816: US)
51	X-2179-933-1	REAR CABINET ASSY (B) (BLACK)	(NWZ-A816: FR)
51	X-2179-934-1	REAR CABINET ASSY (B) (BLACK)	(NWZ-A816: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-935-1	REAR CABINET ASSY (W) (WHITE)	(NWZ-A816: US)
51	X-2179-936-1	REAR CABINET ASSY (W) (WHITE)	(NWZ-A816: FR)
51	X-2179-937-1	REAR CABINET ASSY (W) (WHITE)	(NWZ-A816: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-938-1	REAR CABINET ASSY (S) (SILVER)	(NWZ-A816: US)
51	X-2179-939-1	REAR CABINET ASSY (S) (SILVER)	(NWZ-A816: FR)
51	X-2179-940-1	REAR CABINET ASSY (S) (SILVER)	(NWZ-A816: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-941-1	REAR CABINET ASSY (P) (PINK)	(NWZ-A816: US)
51	X-2179-942-1	REAR CABINET ASSY (P) (PINK)	(NWZ-A816: FR)
51	X-2179-943-1	REAR CABINET ASSY (P) (PINK)	(NWZ-A816: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-944-1	REAR CABINET ASSY (V) (BLUE)	(NWZ-A816: US)
51	X-2179-945-1	REAR CABINET ASSY (V) (VIOLET)	(NWZ-A816: FR)
51	X-2179-946-1	REAR CABINET ASSY (V) (VIOLET)	(NWZ-A816: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-952-1	REAR CABINET ASSY (B) (BLACK)	(NWZ-A818: US)
51	X-2179-953-1	REAR CABINET ASSY (B) (BLACK)	(NWZ-A818: FR)
51	X-2179-954-1	REAR CABINET ASSY (B) (BLACK)	(NWZ-A818: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-957-1	REAR CABINET ASSY (W) (WHITE)	(NWZ-A818: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-958-1	REAR CABINET ASSY (S) (SILVER)	(NWZ-A818: US)
51	X-2179-961-1	REAR CABINET ASSY (P) (PINK)	(NWZ-A818: CND, AEP, UK, EE, NZ, HK, SP, AUS)
51	X-2179-964-1	REAR CABINET ASSY (V) (VIOLET)	(NWZ-A818: CND, AEP, UK, EE, NZ, HK, SP, AUS)
52	2-889-243-01	PIN, ORNAMENT	
53	3-196-648-01	ADHESIVE (REAR)	

6-3. MAIN BOARD, NAND BOARD SECTION (NW-A805/A806/A808)

Note: *The illustration sees the set from the rear.*

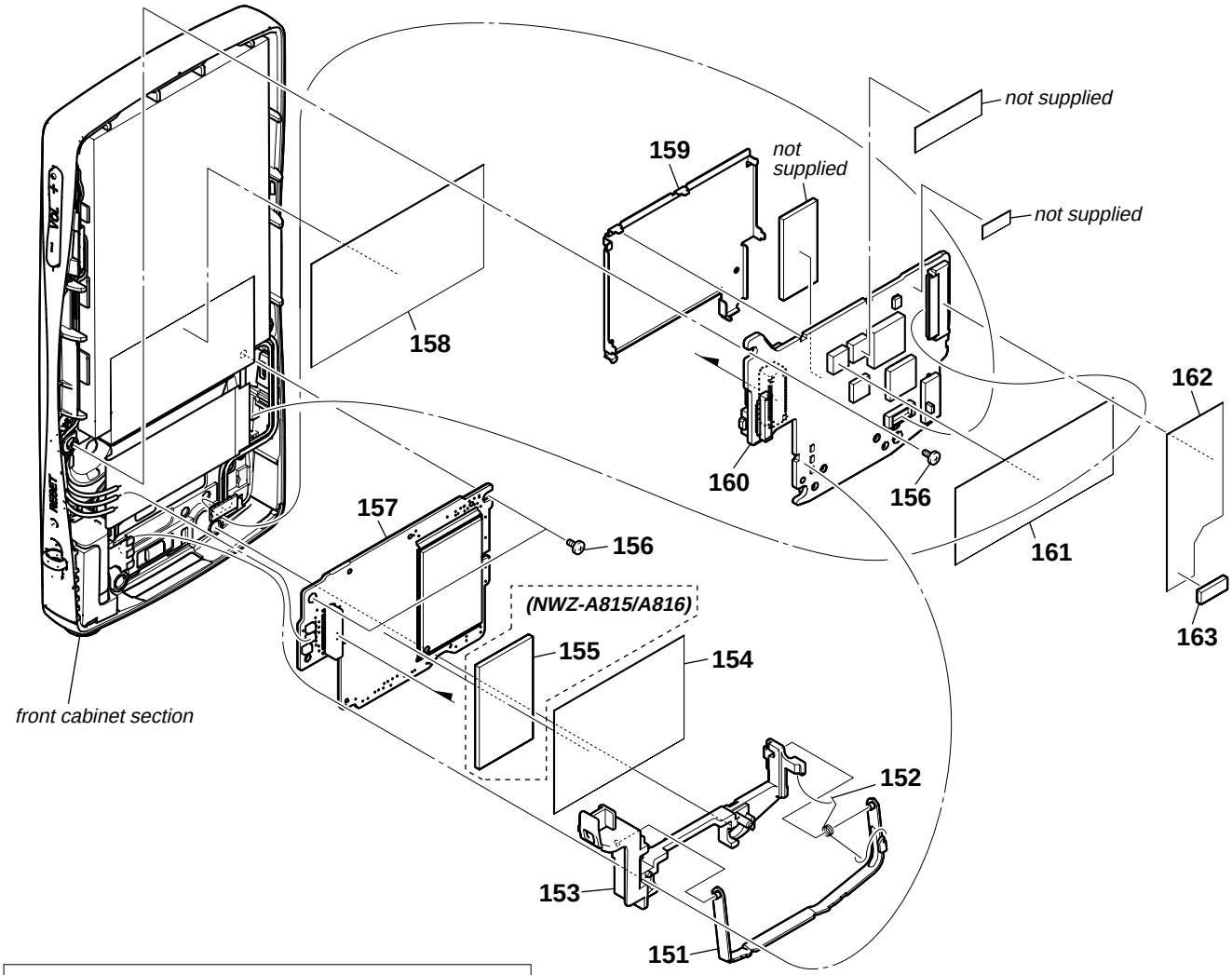


Note: When the MAIN board is replaced, format it according to the "NOTE OF MAIN BOARD REPLACING" (refer to page 4) of the servicing notes.

Ref. No.	Part No.	Description	Remark
101	X-2149-671-1	DOOR ASSY, CONNECTOR	
102	2-889-236-01	SPRING (DOOR)	
103	2-889-239-01	CONNECTOR, HOLDER	
104	2-889-229-01	SHEET (NAND)	
105	2-897-318-01	SPACER (NAND) (NW-A805/A806)	
106	3-234-449-11	SCREW (M1.4)	
107	X-2177-781-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: CND)	
107	X-2177-782-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: CND)	
107	X-2177-783-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: CND)	
107	X-2177-784-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: AEP, UK, EE)	
107	X-2177-785-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: AEP, UK, EE)	
107	X-2177-786-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: AEP, UK, EE)	
107	X-2177-787-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: FR)	
107	X-2177-788-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: FR)	
107	X-2177-789-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: FR)	
107	X-2177-790-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: E, MX, AUS, JE)	
107	X-2177-791-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: E, MX, AUS, JE)	
107	X-2177-792-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: E, MX, AUS, JE)	
107	X-2178-909-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: CH)	
107	X-2178-910-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: CH)	
107	X-2178-911-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: CH)	
108	3-208-193-01	SPACER (REAR)	
109	2-889-227-01	SHIELD CASE (MAIN)	
110	X-2177-776-1	MAIN BOARD, COMPLETE (for SERVICE) (EXCEPT FR)	
110	X-2177-777-1	MAIN BOARD, COMPLETE (for SERVICE) (FR)	
111	2-894-337-01	SHEET (MAIN), INSULATING	
112	2-894-339-01	SHEET (HARNESS)	
113	2-889-228-01	CUSHION (CONNECTOR)	

6-4. MAIN BOARD, NAND BOARD SECTION (NWZ-A815/A816/A818)

Note: *The illustration sees the set from the rear.*

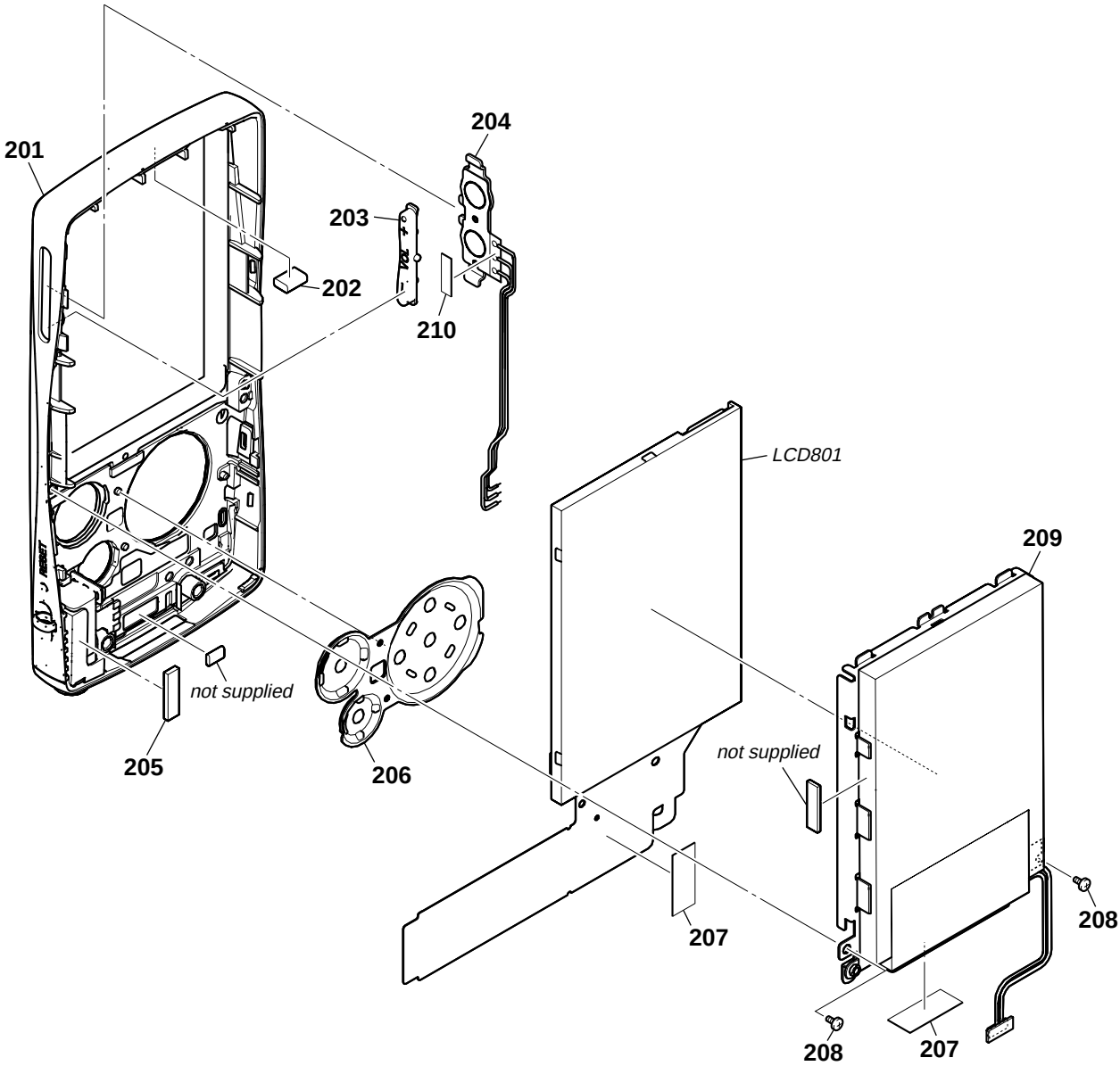


Note: When the MAIN board is replaced, format it according to the "NOTE OF MAIN BOARD REPLACING" (refer to page 4) of the servicing notes.

Ref. No.	Part No.	Description	Remark
151	X-2149-671-1	DOOR ASSY, CONNECTOR	
152	2-889-236-01	SPRING (DOOR)	
153	2-889-239-01	CONNECTOR, HOLDER	
154	2-889-229-01	SHEET (NAND)	
155	2-897-318-01	SPACER (NAND) (NWZ-A815/A816)	
156	3-234-449-11	SCREW (M1.4)	
157	X-2179-971-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NWZ-A815: US)	
157	X-2179-972-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NWZ-A815: FR)	
157	X-2179-973-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NWZ-A815: CND, AEP, UK, EE, NZ, HK, SP, AUS)	
157	X-2179-974-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NWZ-A816: US, US (CircuitCity))	
157	X-2179-975-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NWZ-A816: FR)	
157	X-2179-976-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NWZ-A816: CND, AEP, UK, EE, NZ, HK, SP, AUS)	
157	X-2179-977-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NWZ-A818: US)	
157	X-2179-978-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NWZ-A818: FR)	
157	X-2179-979-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NWZ-A818: CND, AEP, UK, EE, NZ, HK, SP, AUS)	
157	X-2187-874-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NWZ-A816: US (BestBuy))	
158	3-208-193-01	SPACER (REAR)	
159	2-889-227-01	SHIELD CASE (MAIN)	
160	X-2177-776-1	MAIN BOARD, COMPLETE (for SERVICE) (EXCEPT FR)	
160	X-2177-777-1	MAIN BOARD, COMPLETE (for SERVICE) (FR)	
161	2-894-337-01	SHEET (MAIN), INSULATING	
162	2-894-339-01	SHEET (HARNESS)	
163	2-889-228-01	CUSHION (CONNECTOR)	

6-5. FRONT CABINET SECTION

Note: *The illustration sees the set from the rear.*



Note: Blue color type of NWZ-A816 US model is using parts of violet color type.

Ref. No.	Part No.	Description	Remark
201	X-2177-802-1	FRONT CABINET ASSY (B) (BLACK)	
201	X-2177-803-1	FRONT CABINET ASSY (V) (VIOLET)	(for VIOLET, BLUE)
201	X-2177-804-1	FRONT CABINET ASSY (W) (WHITE)	
201	X-2177-805-1	FRONT CABINET ASSY (P) (PINK)	
201	X-2177-806-1	FRONT CABINET ASSY (S) (SILVER)	
202	3-196-649-01	GASKET (REAR)	
203	2-889-232-01	BUTTON, VOL (– VOL +)	
204	X-2177-801-1	FLEXIBLE (PWB ASSY), SVX SWITCH	
205	3-208-376-01	SHEET (JACK), CONDUCTIVE	
206	2-889-233-01	BUTTON, FRONT (▲ ► ▼ ◄, ►II, OPTION, BACK) (BLACK)	
206	2-889-233-11	BUTTON, FRONT (▲ ► ▼ ◄, ►II, OPTION, BACK) (WHITE)	
206	2-889-233-21	BUTTON, FRONT (▲ ► ▼ ◄, ►II, OPTION, BACK) (VIOLET)	(for VIOLET, BLUE)
206	2-889-233-31	BUTTON, FRONT (▲ ► ▼ ◄, ►II, OPTION, BACK) (PINK)	
206	2-889-233-41	BUTTON, FRONT (▲ ► ▼ ◄, ►II, OPTION, BACK) (SILVER)	
207	2-894-335-01	ADHESIVE (LCD)	
208	3-252-823-01	SCREW (B1.4)	
209	X-2177-657-1	BATTERY (A) ASSY (for NW-A805/A806/A808)	(CND)
209	X-2178-011-1	BATTERY ASSY (for NW-A805/A806/A808)	(EXCEPT CND)
209	X-2189-758-1	BATTERY ASSY (for NWZ-A815/A816/A818)	
210	3-251-410-02	SHEET, INSULATING	
LCD801	X-2178-012-1	SVX LCD ASSY	

SECTION 7
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA... : µA... uPA... : µPA...
  uPB... : µPB... uPC... : µPC...
  uPD... : µPD...
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- Refer to Servicing Notes "COLOR VARIATION" (page 5) about color variation.
- Abbreviation
  AUS : Australian model
  CH : Chinese model
  CND : Canadian model
  EE : East European model
  FR : French model
  HK : Hong kong model
  JE : Tourist model
  MX : Mexican model
  NZ : New Zealand model
  SP : Singapore model

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	X-2177-776-1	MAIN BOARD, COMPLETE (for SERVICE) (EXCEPT FR)			
	X-2177-777-1	MAIN BOARD, COMPLETE (for SERVICE) (FR)			
		**********			
		< CAPACITOR >			
C102	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C103	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C104	1-112-322-91	CERAMIC CHIP	150PF	10%	6.3V
C105	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C106	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C107	1-137-987-81	CERAMIC CHIP	0.068uF	10%	10V
C108	1-128-622-91	CERAMIC CHIP	100PF	10%	16V
C109	1-100-581-81	CERAMIC CHIP	0.0047uF	10%	50V
C110	1-165-887-91	CERAMIC CHIP	0.22uF	10%	6.3V
C202	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C203	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C204	1-112-322-91	CERAMIC CHIP	150PF	10%	6.3V
C205	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C206	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C207	1-137-987-81	CERAMIC CHIP	0.068uF	10%	10V
C208	1-100-581-81	CERAMIC CHIP	0.0047uF	10%	50V
C209	1-128-622-91	CERAMIC CHIP	100PF	10%	16V
C210	1-165-887-91	CERAMIC CHIP	0.22uF	10%	6.3V
C301	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C302	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C303	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C305	1-100-735-91	CERAMIC CHIP	10uF	20%	4V
C306	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C307	1-100-735-91	CERAMIC CHIP	10uF	20%	4V
C308	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C310	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C311	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C312	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C313	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C314	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C315	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C316	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C318	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C319	1-100-507-91	CERAMIC CHIP	4.7uF	20%	6.3V
C321	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C501	1-164-856-81	CERAMIC CHIP	18PF	5%	50V
C502	1-164-854-11	CERAMIC CHIP	15PF	5%	50V
C503	1-100-352-91	CERAMIC CHIP	1uF	20%	16V
C504	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C505	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C506	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C507	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C508	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C509	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C510	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C511	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C512	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C513	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C514	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C515	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C516	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C517	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C518	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C601	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C602	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C603	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C604	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C605	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C606	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C607	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C608	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C609	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C610	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C611	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C612	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C613	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C614	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C615	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C616	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C617	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C618	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C619	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C620	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C622	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C623	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C625	1-117-746-81	CERAMIC CHIP	8PF	0.1PF	16V
C626	1-117-746-81	CERAMIC CHIP	8PF	0.1PF	16V
C628	1-164-935-11	CERAMIC CHIP	470PF	10%	50V
C629	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C631	1-164-943-81	CERAMIC CHIP	0.01uF	10%	16V
C632	1-100-352-91	CERAMIC CHIP	1uF	20%	16V

Note: When the MAIN board is replaced, format it according to the "NOTE OF MAIN BOARD REPLACING" (refer to page 3) of the servicing notes.

Ref. No.	Part No.	Description			Remark
C633	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C634	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C638	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C640	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C641	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C643	1-112-717-91	CERAMIC CHIP	1uF	10%	6.3V
C644	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C645	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C646	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C647	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C648	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C649	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C650	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C651	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C652	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C653	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C654	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C655	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C656	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C657	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C660	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C661	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C662	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C664	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C665	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C666	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C667	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C668	1-117-743-81	CERAMIC CHIP	5PF	0.1PF	16V
C669	1-117-743-81	CERAMIC CHIP	5PF	0.1PF	16V
C670	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C671	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C672	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C673	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C674	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C675	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C676	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C677	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C678	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C679	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C680	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C681	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C682	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C683	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C684	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C685	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C686	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C687	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C688	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C689	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C690	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C691	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C692	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C694	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C695	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C697	1-128-627-91	CERAMIC CHIP	0.001uF	10%	16V
C698	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C701	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C702	1-128-622-91	CERAMIC CHIP	100PF	10%	16V
C703	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C704	1-128-622-91	CERAMIC CHIP	100PF	10%	16V
C705	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C706	1-128-622-91	CERAMIC CHIP	100PF	10%	16V
C707	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C708	1-128-622-91	CERAMIC CHIP	100PF	10%	16V
C709	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C710	1-128-622-91	CERAMIC CHIP	100PF	10%	16V
C711	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C712	1-128-622-91	CERAMIC CHIP	100PF	10%	16V
C713	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C714	1-128-622-91	CERAMIC CHIP	100PF	10%	16V
C802	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C804	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C806	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C807	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C808	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C810	1-100-591-91	CERAMIC CHIP	1uF	10%	25V
C811	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C812	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V
C813	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C853	1-164-931-11	CERAMIC CHIP	100PF	10%	50V
C901	1-100-966-91	CERAMIC CHIP	10uF	20%	10V
C902	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C903	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C904	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C905	1-137-987-81	CERAMIC CHIP	0.068uF	10%	10V
C906	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C907	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C908	1-112-716-11	CERAMIC CHIP	0.1uF	10%	6.3V
C909	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C910	1-100-505-11	CERAMIC CHIP	0.1uF	20%	16V
C911	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C912	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C913	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C915	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C917	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V
C920	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V
C921	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V

< CONNECTOR >

CN601	(Not supplied)	CONNECTOR, BOARD TO BOARD 30P
CN801	1-819-974-11	CONNECTOR, FPC (ZIF) 33P
CN851	1-820-771-21	CONNECTOR, MULTIPLE (RECEPTACL) (WM-PORT)
CN901	1-820-726-21	RECEPTACLE, CONNECTOR

< DIODE >

D101	8-719-083-04	DIODE RSB6.8STE61
D201	8-719-083-04	DIODE RSB6.8STE61

< FERRITE BEAD >

FB101	1-400-851-11	EMI, FERRITE (SMD) (1005)
FB201	1-400-851-11	EMI, FERRITE (SMD) (1005)
FB301	1-400-915-21	INDUCTOR (EMI FERRITE) (2012)
FB801	1-481-258-21	SMD EMI FERRITE
FB802	1-481-258-21	SMD EMI FERRITE

Note: When CN601 on the MAIN board is damaged, exchange the new MAIN board for the MAIN board which connector damaged.

Ref. No.	Part No.	Description			Remark
FB803	1-481-258-21	SMD EMI FERRITE			
FB804	1-481-258-21	SMD EMI FERRITE			
FB805	1-481-258-21	SMD EMI FERRITE			
FB806	1-481-258-21	SMD EMI FERRITE			
FB807	1-481-258-21	SMD EMI FERRITE			
FB808	1-481-258-21	SMD EMI FERRITE			
FB809	1-481-258-21	SMD EMI FERRITE			
FB810	1-481-258-21	SMD EMI FERRITE			
FB811	1-481-258-21	SMD EMI FERRITE			
FB812	1-481-258-21	SMD EMI FERRITE			
FB813	1-481-258-21	SMD EMI FERRITE			
FB814	1-481-258-21	SMD EMI FERRITE			
FB815	1-481-258-21	SMD EMI FERRITE			
FB816	1-481-258-21	SMD EMI FERRITE			
FB817	1-481-258-21	SMD EMI FERRITE			
FB818	1-481-258-21	SMD EMI FERRITE			
FB819	1-400-462-21	FERRITE, EMI (SMD) (1005)			
		< IC >			
IC301	(Not supplied)	IC XC6401FF58DR			
IC302	(Not supplied)	IC CS42L51-CNZR			
IC303	6-708-971-01	IC MAX4764ETB+TG069			
IC501	(Not supplied)	IC S1R72V17B00A20B			
IC502	6-708-511-01	IC TC7SG08AFS			
IC503	(Not supplied)	IC TK63731AB1G0B			
IC504	6-711-031-01	IC TK63718HCL-G			
IC505	(Not supplied)	IC TC7WG74FC			
IC506	(Not supplied)	IC TC7WG74FC			
IC507	6-710-712-01	IC TC7SG04AFS			
IC508	6-710-712-01	IC TC7SG04AFS			
IC509	(Not supplied)	IC SN74AVC1T45YZPR			
IC601	(Not supplied)	IC MC-10051F1-FAE-A			
IC602	(Not supplied)	IC TK63731AB1G0B			
IC701	(Not supplied)	IC K4M56323PG-HG75T			
IC802	(Not supplied)	IC BD6069GUT-E2			
IC803	(Not supplied)	IC XC2C64A-7CPG56C-01			
IC901	(Not supplied)	IC MAX8677AETG			
IC903	(Not supplied)	IC MAX1557ETB			
		< COIL >			
L601	1-457-412-11	INDUCTOR	10uH		
L602	1-457-412-11	INDUCTOR	10uH		
L801	1-481-213-11	INDUCTOR	22uH		
L901	1-481-097-11	INDUCTOR	4.7uH		
LF851	1-456-984-11	COIL, COMMONMODECHOKE (SMD1210)			
		< TRANSISTOR >			
Q301	6-550-282-01	TRANSISTOR	UNR31A600LS0		
Q302	6-551-186-01	TRANSISTOR	EMX18		
Q303	6-551-186-01	TRANSISTOR	EMX18		
Q304	6-550-282-01	TRANSISTOR	UNR31A600LS0		
Q603	6-550-747-01	FET	3LP01S-K-TL-E		
Q903	6-551-346-01	FET	2SK3541T2L		
		< RESISTOR >			
R102	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R104	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R105	1-218-937-11	RES-CHIP	47	5%	1/16W

Ref. No.	Part No.	Description			Remark
R106	1-218-949-11	RES-CHIP	470	5%	1/16W
R107	1-208-455-11	RES-CHIP	5.6	5%	1/16W (EXCEPT FR)
R107	1-218-937-11	RES-CHIP	47	5%	1/16W (FR)
R108	1-218-949-11	RES-CHIP	470	5%	1/16W
R109	1-218-949-11	RES-CHIP	470	5%	1/16W
R110	1-244-161-81	RES-CHIP	2.2	5%	1/16W
R111	1-218-949-11	RES-CHIP	470	5%	1/16W (FR)
R202	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R204	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R205	1-218-937-11	RES-CHIP	47	5%	1/16W
R206	1-218-949-11	RES-CHIP	470	5%	1/16W
R207	1-208-455-11	RES-CHIP	5.6	5%	1/16W (EXCEPT FR)
R207	1-218-937-11	RES-CHIP	47	5%	1/16W (FR)
R208	1-218-949-11	RES-CHIP	470	5%	1/16W
R209	1-218-949-11	RES-CHIP	470	5%	1/16W
R210	1-244-161-81	RES-CHIP	2.2	5%	1/16W
R211	1-218-949-11	RES-CHIP	470	5%	1/16W (FR)
R302	1-218-990-81	SHORT CHIP	0		
R304	1-218-979-11	RES-CHIP	150K	5%	1/16W
R305	1-218-981-91	RES-CHIP	220K	5%	1/16W
R306	1-218-990-81	SHORT CHIP	0		
R307	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R310	1-218-990-81	SHORT CHIP	0		
R312	1-218-990-81	SHORT CHIP	0		
R313	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R314	1-218-990-81	SHORT CHIP	0		
R315	1-218-945-11	RES-CHIP	220	5%	1/16W
R502	1-218-990-81	SHORT CHIP	0		
R503	1-218-977-11	RES-CHIP	100K	5%	1/16W
R504	1-218-977-11	RES-CHIP	100K	5%	1/16W
R505	1-218-977-11	RES-CHIP	100K	5%	1/16W
R506	1-208-906-81	METAL CHIP	6.2K	0.5%	1/16W
R507	1-218-953-11	RES-CHIP	1K	5%	1/16W
R509	1-218-990-81	SHORT CHIP	0		
R510	1-218-933-11	RES-CHIP	22	5%	1/16W
R511	1-218-981-91	RES-CHIP	220K	5%	1/16W
R512	1-218-990-81	SHORT CHIP	0		
R513	1-240-718-91	METAL CHIP	100K	5%	1/20W
R514	1-218-929-11	RES-CHIP	10	5%	1/16W
R516	1-218-929-11	RES-CHIP	10	5%	1/16W
R517	1-218-990-81	SHORT CHIP	0		
R519	1-218-977-11	RES-CHIP	100K	5%	1/16W
R520	1-218-977-11	RES-CHIP	100K	5%	1/16W
R521	1-218-990-81	SHORT CHIP	0		
R522	1-218-990-81	SHORT CHIP	0		
R601	1-240-718-91	METAL CHIP	100K	5%	1/20W
R602	1-218-990-81	SHORT CHIP	0		
R603	1-218-965-11	RES-CHIP	10K	5%	1/16W
R604	1-218-990-81	SHORT CHIP	0		
R605	1-218-990-81	SHORT CHIP	0		
R607	1-218-985-11	RES-CHIP	470K	5%	1/16W
R608	1-218-953-11	RES-CHIP	1K	5%	1/16W

Note: When IC301, IC302, IC501, IC503, IC505, IC506, IC509, IC601, IC602, IC701, IC802, IC803, IC901 and IC903 on the MAIN board are damaged, exchange the new MAIN board for the MAIN board which IC damaged.

Ref. No.	Part No.	Description			Remark
R611	1-218-990-81	SHORT CHIP	0		
R615	1-218-953-11	RES-CHIP	1K	5%	1/16W
R616	1-245-684-21	RES-CHIP	0.22	5%	1/8W
R617	1-245-684-21	RES-CHIP	0.22	5%	1/8W
R618	1-218-990-81	SHORT CHIP	0		
R619	1-218-990-81	SHORT CHIP	0		
R620	1-218-990-81	SHORT CHIP	0		
R621	1-218-990-81	SHORT CHIP	0		
R622	1-218-990-81	SHORT CHIP	0		
R623	1-218-990-81	SHORT CHIP	0		
R624	1-218-990-81	SHORT CHIP	0		
R625	1-240-718-91	METAL CHIP	100K	5%	1/20W
R626	1-240-718-91	METAL CHIP	100K	5%	1/20W
R627	1-240-695-91	METAL CHIP	1K	5%	1/20W
R628	1-218-985-11	RES-CHIP	470K	5%	1/16W
R629	1-218-985-11	RES-CHIP	470K	5%	1/16W
R630	1-218-941-81	RES-CHIP	100	5%	1/16W
R633	1-218-990-81	SHORT CHIP	0		
R634	1-218-989-11	RES-CHIP	1M	5%	1/16W
R635	1-218-990-81	SHORT CHIP	0		
R636	1-240-714-91	METAL CHIP	47K	5%	1/20W
R637	1-240-714-91	METAL CHIP	47K	5%	1/20W
R638	1-240-714-91	METAL CHIP	47K	5%	1/20W
R639	1-240-714-91	METAL CHIP	47K	5%	1/20W
R640	1-240-714-91	METAL CHIP	47K	5%	1/20W
R641	1-218-953-11	RES-CHIP	1K	5%	1/16W
R642	1-208-935-11	METAL CHIP	100K	0.5%	1/16W
R643	1-218-990-81	SHORT CHIP	0		
R644	1-218-990-81	SHORT CHIP	0		
R645	1-218-990-81	SHORT CHIP	0		
R646	1-218-985-11	RES-CHIP	470K	5%	1/16W
R647	1-218-985-11	RES-CHIP	470K	5%	1/16W
R648	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R649	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R650	1-218-953-11	RES-CHIP	1K	5%	1/16W
R651	1-218-985-11	RES-CHIP	470K	5%	1/16W
R652	1-218-977-11	RES-CHIP	100K	5%	1/16W
R653	1-218-977-11	RES-CHIP	100K	5%	1/16W
R655	1-240-718-91	METAL CHIP	100K	5%	1/20W
R656	1-240-718-91	METAL CHIP	100K	5%	1/20W
R657	1-240-718-91	METAL CHIP	100K	5%	1/20W
R658	1-240-718-91	METAL CHIP	100K	5%	1/20W
R660	1-240-714-91	METAL CHIP	47K	5%	1/20W
R701	1-218-990-81	SHORT CHIP	0		
R702	1-218-977-11	RES-CHIP	100K	5%	1/16W
R801	1-218-990-81	SHORT CHIP	0		
R802	1-218-990-81	SHORT CHIP	0		
R803	1-218-990-81	SHORT CHIP	0		
R804	1-218-990-81	SHORT CHIP	0		
R805	1-218-965-11	RES-CHIP	10K	5%	1/16W
R806	1-218-965-11	RES-CHIP	10K	5%	1/16W
R807	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R808	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R809	1-208-643-11	METAL CHIP	22	0.5%	1/16W
R811	1-218-985-11	RES-CHIP	470K	5%	1/16W
R812	1-218-990-81	SHORT CHIP	0		
R813	1-218-977-11	RES-CHIP	100K	5%	1/16W
R814	1-218-977-11	RES-CHIP	100K	5%	1/16W

Ref. No.	Part No.	Description			Remark
R816	1-218-990-81	SHORT CHIP	0		
R851	1-218-953-11	RES-CHIP	1K	5%	1/16W
R853	1-218-953-11	RES-CHIP	1K	5%	1/16W
R855	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R857	1-218-985-11	RES-CHIP	470K	5%	1/16W
R858	1-218-965-11	RES-CHIP	10K	5%	1/16W
R859	1-218-953-11	RES-CHIP	1K	5%	1/16W
R861	1-216-295-91	SHORT CHIP	0		
R901	1-216-864-11	SHORT CHIP	0		
R902	1-216-864-11	SHORT CHIP	0		
R903	1-218-985-11	RES-CHIP	470K	5%	1/16W
R904	1-218-985-11	RES-CHIP	470K	5%	1/16W
R905	1-208-687-11	METAL CHIP	1.5K	0.5%	1/16W
R906	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R907	1-218-985-11	RES-CHIP	470K	5%	1/16W
R908	1-218-965-11	RES-CHIP	10K	5%	1/16W
R909	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R910	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R911	1-218-985-11	RES-CHIP	470K	5%	1/16W
R912	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R913	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R914	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R915	1-208-923-11	METAL CHIP	33K	0.5%	1/16W
R919	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R921	1-218-981-91	RES-CHIP	220K	5%	1/16W
R922	1-218-981-91	RES-CHIP	220K	5%	1/16W
R923	1-218-985-11	RES-CHIP	470K	5%	1/16W
		< SWITCH >			
S601	1-786-227-21	SWITCH, TACTILE (RESET)			
S602	1-798-038-11	SWITCH, SLIDE (SMD) (HOLD)			
		< THERMISTOR >			
TH901	1-804-949-11	THERMISTOR, NTC (SMD)			
		< VARISTOR >			
VDR301	1-805-774-21	VARISTOR, CHIP			
VDR851	1-805-774-21	VARISTOR, CHIP			
VDR852	1-805-774-21	VARISTOR, CHIP			
		< VIBRATOR >			
X501	1-813-877-11	VIBRATOR, CRYSTAL 12MHZ (12MHz)			
X602	1-813-206-11	VIBRATOR, CRYSTAL (32.768kHz)			
X603	1-795-758-21	VIBRATOR, CRYSTAL (11.2896MHz)			

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Ref. No.	Part No.	Description	Remark
	X-2177-781-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: CND)	
	X-2177-782-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: CND)	
	X-2177-783-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: CND)	
	X-2177-784-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: AEP, UK, EE)	
	X-2177-785-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: AEP, UK, EE)	
	X-2177-786-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: AEP, UK, EE)	
	X-2177-787-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: FR)	
	X-2177-788-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: FR)	
	X-2177-789-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: FR)	
	X-2177-790-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: E, MX, AUS, JE)	
	X-2177-791-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: E, MX, AUS, JE)	
	X-2177-792-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: E, MX, AUS, JE)	
	X-2178-909-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NW-A805: CH)	
	X-2178-910-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NW-A806: CH)	
	X-2178-911-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NW-A808: CH)	
	X-2179-971-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NWZ-A815: US)	
	X-2179-972-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NWZ-A815: FR)	
	X-2179-973-1	NAND BOARD, COMPLETE (2GB) (for SERVICE) (NWZ-A815: CND, AEP, UK, EE, NZ, HK, SP, AUS)	
	X-2179-974-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NWZ-A816: US, US (CircuitCity))	
	X-2179-975-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NWZ-A816: FR)	
	X-2179-976-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NWZ-A816: CND, AEP, UK, EE, NZ, HK, SP, AUS)	
	X-2179-977-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NWZ-A818: US)	
	X-2179-978-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NWZ-A818: FR)	
	X-2179-979-1	NAND BOARD, COMPLETE (8GB) (for SERVICE) (NWZ-A818: CND, AEP, UK, EE, NZ, HK, SP, AUS)	
	X-2187-874-1	NAND BOARD, COMPLETE (4GB) (for SERVICE) (NWZ-A816: US (BestBuy))	
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When NAND board is defective, exchange the entire mounted board.
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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
204	X-2177-801-1	FLEXIBLE (PWB ASSY), SVX SWITCH	
209	X-2177-657-1	BATTERY (A) ASSY (for NW-A805/A806/A808) (CND)	
209	X-2178-011-1	BATTERY ASSY (for NW-A805/A806/A808) (EXCEPT CND)	
209	X-2189-758-1	BATTERY ASSY (for NWZ-A815/A816/A818)	
LCD801	X-2178-012-1	SVX LCD ASSY	
**********			
		ACCESSORIES	
		**********	
	1-831-429-21	CORD, CONNECTION (Headphone extension cord) (BLACK) (for BLACK, SILVER, VIOLET, BLUE models)	
	1-831-429-31	CORD, CONNECTION (Headphone extension cord) (WHITE) (for WHITE, PINK models)	
	1-833-490-12	CORD, PC CONNECTION (USB cable)	
	2-895-532-02	ATTACHMENT (D) (Use when connecting the player to the optional cradle, etc.)	
	2-896-040-14	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (ENGLISH) (NW-A805: EXCEPT CH/A806: EXCEPT CH/A808: EXCEPT CH)	
	2-896-040-23	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (FRENCH) (NW-A805: CND, AEP, UK, FR/A806: CND, AEP, UK, FR/A808: CND, AEP, UK, FR)	
	2-896-040-34	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (GERMAN) (NW-A805: AEP, UK/A806: AEP, UK/A808: AEP, UK)	
	2-896-040-43	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (SPANISH) (NW-A805: AEP, UK, MX/A806: AEP, UK, MX/A808: AEP, UK, MX)	
	2-896-040-53	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (ITALIAN) (NW-A805: AEP, UK/A806: AEP, UK/A808: AEP, UK)	
	2-896-040-63	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (RUSSIAN) (NW-A805: EE/A806: EE/A808: EE)	
	2-896-040-73	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (SIMPLIFIED CHINESE) (NW-A805: CH/A806: CH/A808: CH)	
	2-896-040-83	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (TRADITIONAL CHINESE) (NW-A805: E, AUS, JE/A806: E, AUS, JE/A808: E, AUS, JE)	
	2-896-040-93	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (KOREAN) (NW-A805: E, AUS, JE/A806: E, AUS, JE/A808: E, AUS, JE)	
	3-219-939-12	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (UKRAINIAN) (NW-A805: EE/A806: EE/A808: EE)	
	3-270-643-12	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (ENGLISH) (for EXCEPT NWZ-A816: US (BestBuy))	
	3-270-643-22	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (FRENCH) (NWZ-A815: CND, AEP, UK, FR, NZ, HK, SP, AUS/A816: CND, AEP, UK, FR, NZ, HK, SP, AUS/A818: CND, AEP, UK, FR, NZ, HK, SP, AUS)	

Note: Blue color type of NWZ-A816 US model is using parts of violet color type.

Ref. No.	Part No.	Description	Remark
	3-270-643-32	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (GERMAN) (NWZ-A815: CND, AEP, UK, NZ, HK, SP, AUS/ A816: CND, AEP, UK, NZ, HK, SP, AUS/ A818: CND, AEP, UK, NZ, HK, SP, AUS)	
	3-270-643-42	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (SPANISH) (NWZ-A815: CND, AEP, UK, NZ, HK, SP, AUS/ A816: CND, AEP, UK, NZ, HK, SP, AUS/ A818: CND, AEP, UK, NZ, HK, SP, AUS)	
	3-270-643-52	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (ITALIAN) (NWZ-A815: CND, AEP, UK, NZ, HK, SP, AUS/ A816: CND, AEP, UK, NZ, HK, SP, AUS/ A818: CND, AEP, UK, NZ, HK, SP, AUS)	
	3-270-643-62	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (RUSSIAN) (NWZ-A815: EE/A816: EE/A818: EE)	
	3-270-643-72	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (UKRAINIAN) (NWZ-A815: EE/A816: EE/A818: EE)	
	3-272-845-11	PIECE (S), EAR (Earbud) (Size S) (GRAY) (for White Headphones)	
	3-272-845-21	PIECE (S), EAR (Earbud) (Size S) (CLEAR BLACK) (for Black Headphones)	
	3-272-846-11	PIECE (M), EAR (Earbud) (Size M) (GRAY) (for White Headphones)	
	3-272-846-21	PIECE (M), EAR (Earbud) (Size M) (CLEAR BLACK) (for Black Headphones)	
	3-272-847-11	PIECE (L), EAR (Earbud) (Size L) (GRAY) (for White Headphones)	
	3-272-847-21	PIECE (L), EAR (Earbud) (Size L) (CLEAR BLACK) (for Black Headphones)	
	3-293-628-11	MANUAL (QSG), INSTRUCTION (Quick Start Guide) (ENGLISH) (for BestBuy) (NWZ-A816: US)	
	8-912-759-90	RECEIVER (MDR-EX082/BC9 SET) (BLACK) (Headphones) (including Earbuds: size S/M/L) (for BLACK, SILVER, VIOLET, BLUE of Except US model)	
	8-912-759-92	RECEIVER (MDR-EX082SPW9 SET) (WHITE) (Headphones) (including Earbuds: size S/M/L) (for WHITE, PINK of Except US model)	
	8-912-765-90	RECEIVER (MDR-EX082SBQ9 SET) (BLACK) (Headphones) (including Earbuds: size S/M/L) (for BLACK, SILVER, VIOLET, BLUE of US model)	
	8-912-766-90	RECEIVER (MDR-EX082SWQ9 SET) (WHITE) (Headphones) (including Earbuds: size S/M/L) (for WHITE, PINK of US model)	
	X-2178-385-2	CD-ROM ASSY (RUSSIA HELP) (for SonicStage, Image Converter of Russsian Help) (NW-A805: EE/A806: EE/A808: EE)	
	X-2178-869-5	SOFT ASSY, APPLICATION (CD-ROM: SonicStage software, Image Converter software, Oparation Guide (PDF file)) (NW-A805/A806/A808)	
	X-2179-903-2	SOFT ASSY, APPLICATION (CD-ROM: MP3 Conversion Tool, Windows Media Player 11, Operation Guide (PDF file)) (NWZ-A815: US/A816: US/A818: US)	
	X-2179-904-2	SOFT ASSY (BB), APPLICATION (CD-ROM: MP3 Conversion Tool, Windows Media Player 11, Operation Guide (PDF file)) (for BestBuy) (NWZ-A816: US)	
	X-2179-905-2	SOFT ASSY (CC), APPLICATION (CD-ROM: MP3 Conversion Tool, Windows Media Player 11, Operation Guide (PDF file)) (for CircuitCity) (NWZ-A815: US/A816: US)	
	X-2179-906-2	SOFT ASSY, APPLICATION (CD-ROM: MP3 Conversion Tool, Windows Media Player 11, Operation Guide (PDF file)) (NWZ-A815: CND, AEP, UK, FR, EE, NZ, HK, SP, AUS/A816: CND, AEP, UK, FR, EE, NZ, HK, SP, AUS/A818: CND, AEP, UK, FR, EE, NZ, HK, SP, AUS)	

Note: Blue color type of NWZ-A816 US model is using parts of violet color type.

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2007.04	New
1.1	2007.06	Addition of black color type to E, Australian and Tourist models (NW-A806) Change of Part No. for Ref. No. R507 and R608 on the MAIN board (ECN-ECC31728/SPM-07050)
1.2	2007.09	Addition of NWZ-A815/A816/A818 (ENG-07007)
1.3	2007.11	Addition of blue color type to US model (NWZ-A816) Addition of US model for BestBuy (NWZ-A816)
1.4	2007.12	Addition of white color type to US model for BestBuy (NWZ-A816) Change of Part No. for Ref. No. 209 on EXPLOEDE VIEWS (NWZ-A815/A816/A818) Addition of Ref. No. 210 on EXPLODED VIEWS (NWZ-A815/A816/A818) Change of Part No. for Application soft assy on ACCESSORIES (for NWZ-A815/A816/A818) (Canadian, AEP, UK, French, East European, New Zealand, Hong Kong, Singapore and Australian models) Change of Instruction manual (QSG) for US model (BestBuy) (NWZ-A815/A816/A818) Change of Headphones for US model (NWZ-A815/A816/A818) (ECN-ECC54296/ECC57375/ECC58297/ECC59055)