Capacity (User available capacity) (*1)
NWZ-E463YE463HK. 4 GB (Approx. 3.21 GB = 3.451.8;
NWZ-E464E46HK. 3 GB (Approx. 6.71 GB = 7.209, 169.376 b)
WWZ-E465. 1 GB (Approx. 14.06 = 15.13.68.64 226 bytes)
(*1) Available storage capacity of your WALKMAN* may vary.
A portion of the memory is used for data management functions.

Output (headphones)

Frequency response 20 to 20,000 Hz (when playing data file, single signal measurement)

FM radio FM Frequency range 87.5 to 108.0 MHz

IF (FM) 128 kHz

Antenna

Interface

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

Power source

Built-in rechargeable lithium-ion battery
 USB power (from a computer via a USB connector of your "WALKMAN")

Charging time

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

Battery life (continuous playback)

Actual battery life may vary depending on settings. The estimated battery usage hours shown below are based on typical usage conditions with "Basic setting of battery life measurement" as shown in the table

- Note

 * Even if your "WALKMAN" is turned off for an extended period, a small amount of battery power is still
- consumed.

 Battery life may vary depending on volume setting, conditions of use, and ambient temperature

Music	
Playback at MP3 128 kbps	Approx. 50 hours
Playback at WMA 128 kbps	Approx. 50 hours
Playback at AAC-LC 128 kbps	Approx. 48 hours
Playback at Linear PCM 1,411 kbps	Approx. 55 hours
Video	
Playback at MPEG-4 384 kbps	Approx. 10 hours
Playback at AVC Baseline 384 kbps	Approx. 10 hours
Playback at WMV 384 kbps	Approx. 10 hours
FM radio	
Receiving FM broadcasting	Approx. 20 hours
Voice recording	
Recording	Approx. 9 hours

Your "WALKMAN" settings which affect battery life

	Setting	Basic setting of battery life measurement
	[Screen Off Timer] (*1) (*2)	[30 Sec]
[Common Settings]	[Brightness] (*3)	[3]
Cumgoj	[Battery Care] (*4)	[Off]
	[Equalizer] (*5)	[None] (*6)
	[VPT (Surround)] (*5)	[None]
	[DSEE (Sound Enhance)] (*5)	[Off]
	[Clear Stereo] (*5)	[Off]
[Music Settings]	[Dynamic Normalizer] (*5)	[Off]
	[DPC (Speed Control)] (*7)	[Off]
	[Display Lyrics] (*8)	[On]
	[Karaoke/Language Study] (*9)	[Off]

(*1) The [Off] setting shorters the battery life about 80% compared with the [30 Sec] setting.

(21) The longer the walting time, the shorter the battery life for continuous musics playaback.

(31) The [3] setting shorters the battery life by about 10% compared with the [31]

(41) The [01] setting shorters the battery life by about 10% compared with the [07] setting.

(52) Setting [Equation to lombre than [None], IVTF Gloroung) to other than [None], IGSEE [Sound Enhance] to [ON], Clear Steece] to [10] and [Dynamic Normatzed to [01] shorters the battery life for continuous music playaback by about 50% compared with the setting the 10% long of [07].

(6) The default setting of your WALXMAMY sold in the Latin America region is [Custom 1]. The [Custom 1] setting shorters the battery life for continuous music playback by about 27% compared with the [binse]

(7) The [2.2] setting shorters the battery life for continuous music playback by about 27% compared with the [07] setting.

(8) The [On [Screen Always On]) setting shorters the battery life for continuous music clawback by about 27% compared with the [07] setting.

[Off] setting.

(9) The [On (Scorea Always On)] setting shorters the battery life for continuous music playback by about 65% compared with the [On] setting compared with the [On] setting.

(9) The [Basamum Kanacla Model] setting shorters the battery life for continuous music playback by about 85% compared with the [Off] setting.

Display 2-inch (5.1 cm), TFT color display with white LED-backlight, QVGA (320 × 240 pixels) , 262,144 colors · · · · · ·

Dimensions (w/h/d, projecting parts not included)
45 mm × 96.8 mm × 9.7 mm (1 13/16 inches × 37/8 inches × 13/32 inches)

Dimensions (w/h/d) 45 mm × 96.8 mm × 10 mm (1 13/16 inches × 3 7/8 inches × 13/32 inches)

Mass Approx. 58 g (2.1 oz)

Contents

Headphones (1)
Earbuds (Size S. L.) (1) (NWZ-E463/E464/E465/E463K/E464K only)
Speaker (RDP-NWT16) (1) (NWZ-E463K/E464K only)
USB cable (1)

Software The software is stored in the built-in flash memory of your "WALKMAN," and includes the following items. For details on how to install, refer to "Quick Start Guide." Media Go WALKMAN Guide User Guide, etc.

Design and specifications are subject to change without notice.

Speaker section (NWZ-E463K/E464K):

Continuous RMS power output 0.1 W + 0.1 W

Input WM-PORT

Operating temperature 5°C to 35°C (41 °F to 95 °F)

Power requirements

Power Source Battery supply from your "WALKMAN"

Rated current consumption 100 mA (your "WALKMAN")

Dimensions (w/h/d) 156 × 110 × 24 mm (6 1/4 × 4 3/8 × 31/32 inches)

Dimensions (w/h/d, upright position) 156 × 110 × 41 mm (6 1/4 × 4 3/8 × 1 5/8 inches

Available playback time

Approx. 15 hours
* [SP Output Optimizer] set to [Off], MP3 playback, 128 kbps

Note

When [SP Output Optimizer] is set to [RDP-NWT16] on your "WALKMAN," battery life may shorten by

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SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

关于安全相关零部件的警告

原理图和零件清单中标有 企记号的零部件,或带有 企记号的虚线所表示的零部件,对于安全操作至关重要。更换时,必须依据本手册或索尼公司追加发行的手册中列明的零件号,使用索尼公司的零件进行。

FLEXIBLE CIRCUIT BOARD REPAIRING

- Keep the temperature of 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.

NWZ-E463/E463HK/E463K/E464/E464K/E465 SECTION 1 SERVICING NOTES

CAUTION

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

注意

如果电池更换不当会有爆炸危险

只能用同样类型或等效类型的电池来更换

System requirements

Computer

IBM PC/AT compatible computer preinstalled with any of the following Windows operating systems (*1):

- Windows XP Home Edition (*2) (Service Pack 3 or later)
- Windows XP Professional (*2) (Service Pack 3 or later)
- Windows Vista Home Basic (Service Pack 1 or later)
- Windows Vista Home Premium (Service Pack 1 or later)
- Windows Vista Business (Service Pack 1 or later)
- Windows Vista Ultimate (Service Pack 1 or later)
- Windows 7 Starter
- Windows 7 Home Basic
- Windows 7 Home Premium
- Windows 7 Professional
- Windows 7 Ultimate

Not supported by OSs other than above.

[Compatibility mode] for Windows XP (included with Windows Vista and Windows 7) is not supported.

(*1) Excluding OS Versions not supported by Microsoft.

(*2) Excluding 64-bit OS versions.

- CPU: 1 GHz processor (2.6 GHz recommended for video playback)
- RAM: 1 GB or more
- Hard Disk Drive: 600 MB or more of available space
- Sound card
- USB port (Hi-Speed USB is recommended)
- Windows Media Player 11 for Windows XP and Windows Vista, Windows Media Player 12 for Windows 7
- Internet Explorer 7 or later
- Broadband Internet connection is required to use Gracenote MusicID service or podcast, or to visit the web store site.

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

Design and specifications are subject to change without notice.

ABOUT THE REPAIRING OF BOARD

When electric parts installed by this machine are defective, replace the entire board. Individual electrical parts that the mount is done cannot be exchanged.

ABOUT THE MODEL NAME OF "WALKMAN" MAIN UNIT

The model name of "WALKMAN" main unit for NWZ-E463HK/E463K/E464K is the following model name.

Model Name	"WALKMAN" Name
NWZ-E463HK	NWZ-E463
NWZ-E463K	NWZ-E463
NWZ-E464K	NWZ-E464

ABOUT THE METHOD OF DISTINGUISHING THE SPEAKER ATTACHMENT MODEL

NWZ-E463 and NWZ-E464 have the model to whom the speaker is attached (NWZ-E463K/E464K).

However, the model name of the main unit of WALKMAN of NWZ-E463K and E464K are NWZ-E463 and NWZ-E464.

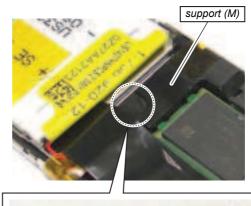
The setting of the firmware is different in the WALKMAN for single sales model and the WALKMAN to which the speaker is attached.

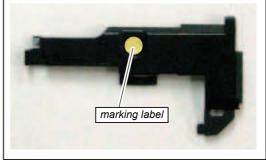
Therefore, it is necessary to distinguish whether the WALKMAN brought in to the repair is the WALKMAN to which the speaker is attached.

Distinction method:

In the WALKMAN for supplied speaker model, marking label is given on the support (M).

Note: When you exchanged the support (M), peel off the marking label from the old support (M) before it exchanges it, and try to paste it to the new support (M).

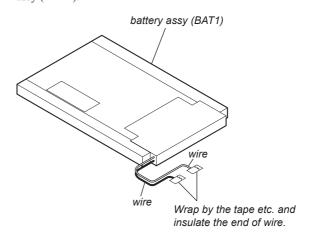




Marking: WALKMAN for supplied speaker model. No Marking: WALKMAN for single sales model.

ABOUT THE HANDLING OF THE BATTERY ASSY (BAT1)

When the battery assy (BAT1) is removed, insulate the end of wire by a tape etc. to prevent short-circuited of the wire part of battery assy (BAT1).



NOTE THE COMPLETE EMMC BOARD REPLACING

When the complete EMMC board is replaced, process it according to the following.

1. Destination setting

1-1. Outline

The destination code corresponding to each region must be installed into the EMMC board with the destination setting tool.

• EMMC board

Model	Capacity	Part No. of complete EMMC board	Pre-installed destination code
NWZ-E463/ E463HK/ E463K	4GB	9-885-159-61	Е
NWZ-E464/ E464K	8GB	9-885-159-62	Е
NWZ-E465	16GB	9-885-159-63	E

• Destination code

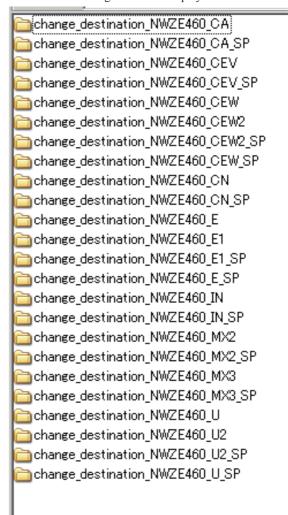
Model	Area	Desti- nation code	Remark (Default setting for each item)
	US	U	EQ: None SP Output Optimizer: Off
	Canadian	CA	EQ: None SP Output Optimizer: Off
NW/7	AEP, UK	CEW	EQ: None SP Output Optimizer: Off
NWZ- E463/ E463HK/ E464/	E, Australian, Tourist	E	EQ: None SP Output Optimizer: Off
E465	Chinese	CN	EQ: None SP Output Optimizer: Off
	East European	CEV	EQ: None SP Output Optimizer: Off
	Mexican	MX3	EQ: Custom 1 SP Output Optimizer: Off
	Canadian	CA	EQ: None SP Output Optimizer: RDP-NWT16
NWZ- E463K/ E464K	AEP, UK	CEW	EQ: None SP Output Optimizer: RDP-NWT16
	E, Tourist	Е	EQ: None SP Output Optimizer: RDP-NWT16
	Mexican	MX3	EQ: Custom 1 SP Output Optimizer: RDP-NWT16

1-2. Preparation

- Note 1: Please use this Tool in Windows XP or later.
- **Note 2:** Please install Windows Media Player 11 or later to make the unit recognize as MTP.
- **Note 3:** Confirm the method of obtaining the destination setting tool to the service headquarters.

Procedure:

- 1. Unzip the destination setting tool.
- Open the unzipped "change_destination_NWZE460" folder, and the following folders are displayed.



 Select the folder corresponding to the destination of the "WALKMAN" repaired, and copy the selected folder to root directory of C drive on PC.

Note 4: Above folder in step 3 can be saved any drive as long as the folder path is with English (one byte character).

Described with the example that "the folders were saved under root directory of C drive" on this service manual.

1-3. How to use the destination setting tool

Note 1: Please use this tool after closing other application software.

Will be described with below conditions as an example.

Model: NWZ-E463/E464/E465 Destination: E

Procedure:

- 1. Turn on power of the WALKMAN, and connect it to PC.
- 2. Start the command prompt application software, and change the folder pass to your desired folder.

(Example: C:\change_destination_NWZE460_E)

```
C:\>cd c:\change_destination_NWZE460_E
C:\change_destination_NWZE460_E>
```

3. Input "updating-mtp" and press the Enter key on PC.

```
C:\chanse_destination_NWZE460_E>urdatins-mtr
```

If the following message is displayed, input "y" and press the Enter key on PC.

Note 2: When the Enter key on PC is pressed, the WALKMAN is formatted.

```
### éµéδé|é6ě|éηérüH(y/n)y

C: \chanse_destination_NuZE460_E>rem # ###
### MTP用ファームウェアアップデートツールが起動されました。
###
**** MTP ファームウェアアップデートを開始します。
**** 新しいファームウェアを MTP で転送した後、再起動します。
**** ※ WP, Napster, Rhapsody アフリが起動している場合は
**** 終了して下さい。
*** よろしいですか?(y/n)y
```

MTP F/W Update will start.

The WALKMAN unit reboots automatically after updating. Before starting this program, close other application such as WMP, Napster and Rhapsody etc.

Does this program run? (y/n)

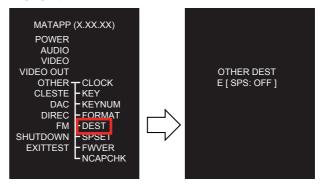
5. The following message is displayed. Then, destination setting operation starts.

- The WALKMAN reboots automatically after the destination data is updated. After rebooting, check that connecting USB (MTP) is displayed on the liquid crystal display of the WALK-MAN.
- Input "EXIT" to close the command prompt application software.
- 8. Disconnect the WALKMAN from PC.
- 9. Turn the power on of the WALKMAN.
- Press the [BACK] key for more 1.5 seconds, the home menu is displayed.
- 11. Slide the [HOLD] key from OFF to ON.

12. Press the key as following order.

$$\begin{bmatrix} \blacktriangleleft \end{bmatrix} \rightarrow [\text{VOL} -] \rightarrow [\text{VOL} +] \rightarrow [\blacktriangleright] \rightarrow [\text{BACK}] \rightarrow \\ [\blacktriangleright \textbf{II}] \rightarrow [\blacktriangleright] \rightarrow [\blacktriangleright \textbf{II}] \rightarrow [\text{BACK}] \rightarrow [\blacktriangleleft]$$

- The WALKMAN reboots and the color bar is displayed on the liquid crystal display.
- 14. Enter the test mode when any keys are pressed in the state of step 13, and slide the [HOLD] key from ON to OFF.
- 15. Press the [▲]/[▼] keys to select the "OTHER", and press the [▶] key to enter the minor item.
- 16. Press the [▲]/[▼] keys to select the "DEST".
- Press the [►II] key, and check if the destination is updated properly.



- Press the [BACK] key twice, return to major item selection screen.
- 19. Press the [▲]/[▼] keys to select the "EXITTEST", and press the [▶] key to select the "SURE?".
- 20. Press the [►II] key, turn the power off and release the test mode

Note: Execute "Reset all settings" absolutely at the end (Refer to right).

2. Format

Formatting memory [Format]

You can format the built-in flash memory of your "WALKMAN."

Note:

- If the memory is formatted, all data (songs, videos, photos, etc., including sample data installed at the factory, bundled software installer, and the User Guide) will be erased. Be sure to verify the data stored in memory prior to formatting, and export any important data to the hard disk of your computer.
- Be sure not to initialize (format) the built-in flash memory of your "WALKMAN" using Windows Explorer. If you have formatted with Windows Explorer, format again using your "WALKMAN."
- From the Home menu, select ♣ [Settings] → [Common Settings] → [Reset/Format] → [Format].
- Select [Yes]. [All data will be deleted. Proceed?] appears.
- 3. Select [Yes]. When initialization finishes, [Memory formatted.] appears.

3. Reset all setting

Returning to the factory settings [Reset All Settings]

You can reset your "WALKMAN" to the default settings. Resetting your "WALKMAN" will not delete data such as music, video, and photos.

1. From the Home menu, select **♣** [Settings] **→** [Common Settings] **→** [Reset/Format] **→** [Reset All Settings] **→** [Yes].

Note:

 If you select this function during playback, your "WALKMAN" will pause playback before performing the reset process.

4. Wallpapers setting

How to install the wallpaper files into the WALKMAN.

Note: Confirm the method of obtaining the wallpaper files to the service headquarters.

Procedure:

1. Unzip the wallpaper files to get the following files (jpeg file).

Folder name: WALLPAPERS

-W001.jpg -W002.jpg -W003.jpg -W004.jpg -W005.jpg -W006.jpg

- 2. Connect the WALKMAN to PC.
- 3. Start up windows explorer. Then, open [WALKMAN] [StorageMedia].
- 4. Open "PICTURE" folder located under "StorageMedia" folder er
- 5. Copy the "WALLPAPERS" folder in step 2 under the "PICTURE" folder.

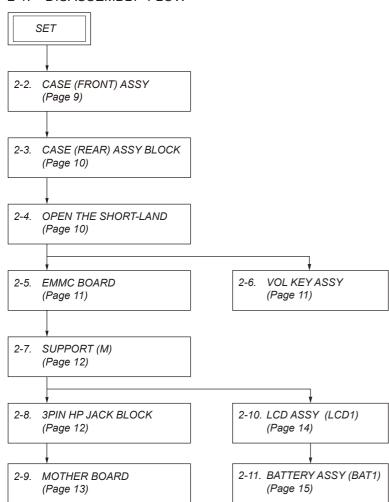
COLOR VARIATION

841 - 1	D. Min Min			Co	lor		
Model	Destination	Black	Red	Blue	Pink	Green	Gold
	US	•	•	•	•	•	_
	Canadian	•	_	_	_	_	_
	AEP, UK	•	•	•	•	•	_
NWZ-E463	East European	•	•	•	•	_	•
	E, Australian, Tourist	•	•	•	•	•	•
	Mexican	•	•	•	•	•	_
	Chinese	•	-	•	•	_	•
NWZ-E463HK	AEP, UK	•	_	_	_	_	_
NVVZ-E403FK	East European	•	_	_	_	_	_
	AEP, UK	•	_	_	_	_	_
NWZ-E463K	E, Tourist	•	-	_	_	_	_
	Mexican	•	-	_	_	_	_
	US	•	•	•	•	•	_
	Canadian	•	_	•	•	_	_
NWZ-E464	AEP, UK	•	•	•	•	•	_
INVVZ-E404	East European	•	•	•	•	_	•
	E, Australian, Tourist	•	•	_	•	_	•
	Mexican	•	•	•	•	_	_
NWZ-E464K	Canadian	•	_	•	•	_	_
	US	•	-	-	-	_	-
NWZ-E465	Canadian	•	-	•	•	_	-
1NVVZ-E400	E, Australian, Tourist	•	-	_	_	_	_
	Mexican	•	_	_	_	_	_

NWZ-E463/E463HK/E463K/E464/E464K/E465 SECTION 2 DISASSEMBLY

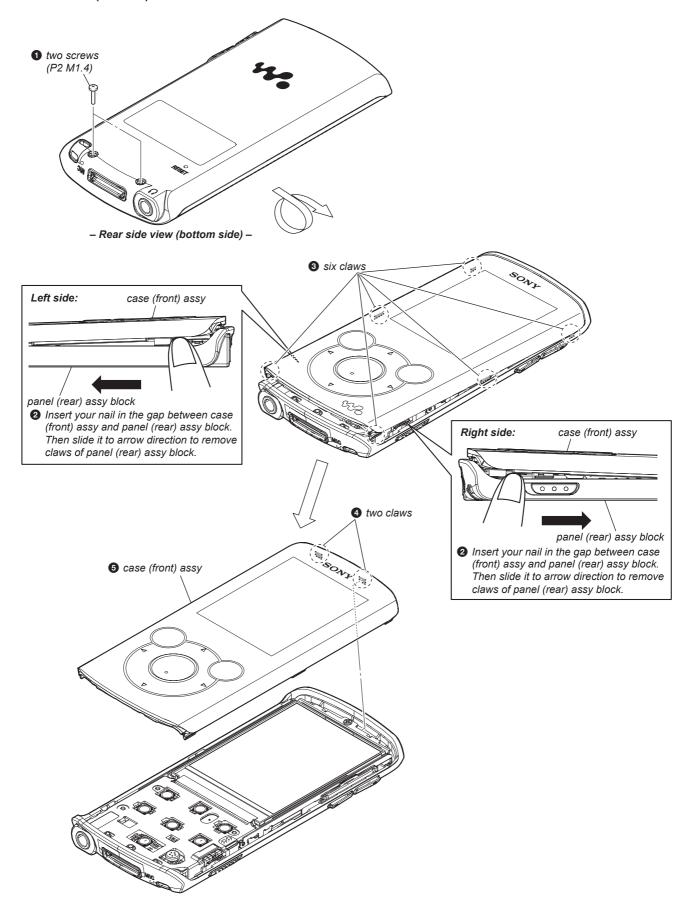
• This set can be disassembled in the order shown below.

2-1. DISASSEMBLY FLOW

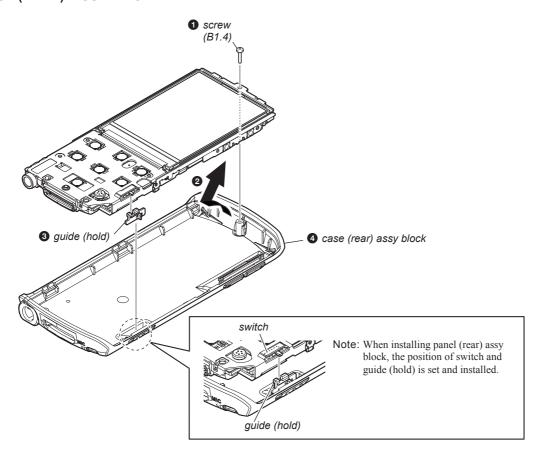


Note: Follow the disassembly procedure in the numerical order given.

2-2. CASE (FRONT) ASSY

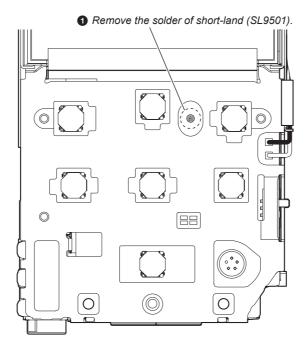


2-3. CASE (REAR) ASSY BLOCK

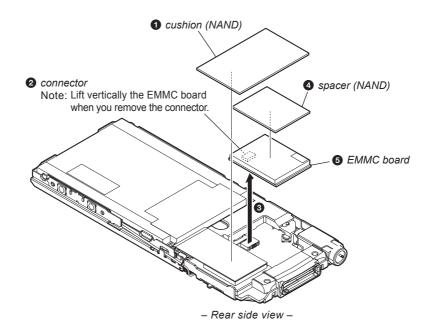


2-4. OPEN THE SHORT-LAND

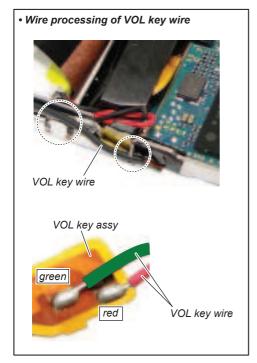
- Note 1: This illustration sees the mechanical commonness block from LCD assy side.
- Note 2: Make sure to remove one solder to become an open state before disassembling the mechanical commonness block.
- **Note 3:** Solder the short-land after all wirings are connected when you exchanged some mounted board.

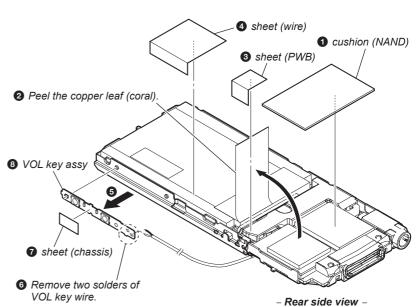


2-5. EMMC BOARD

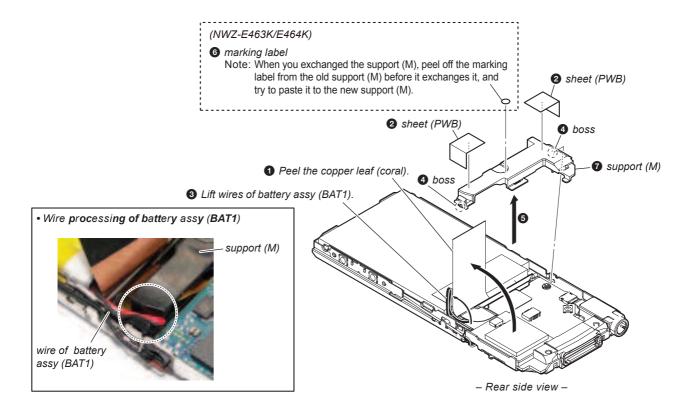


2-6. VOL KEY ASSY

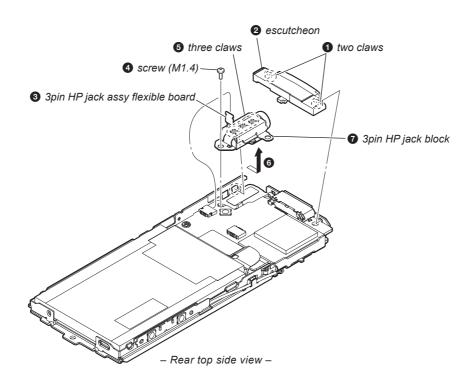




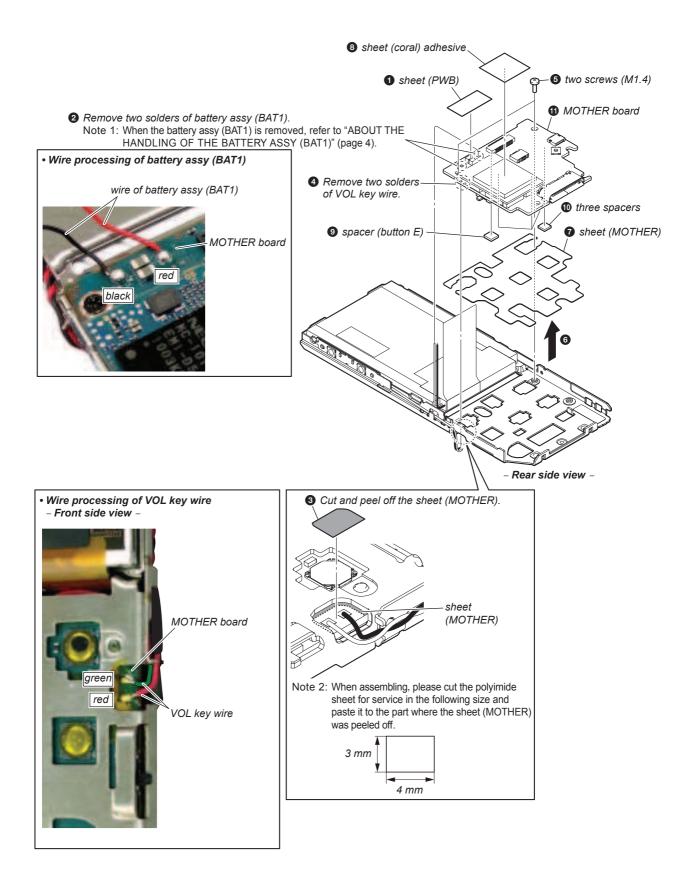
2-7. SUPPORT (M)



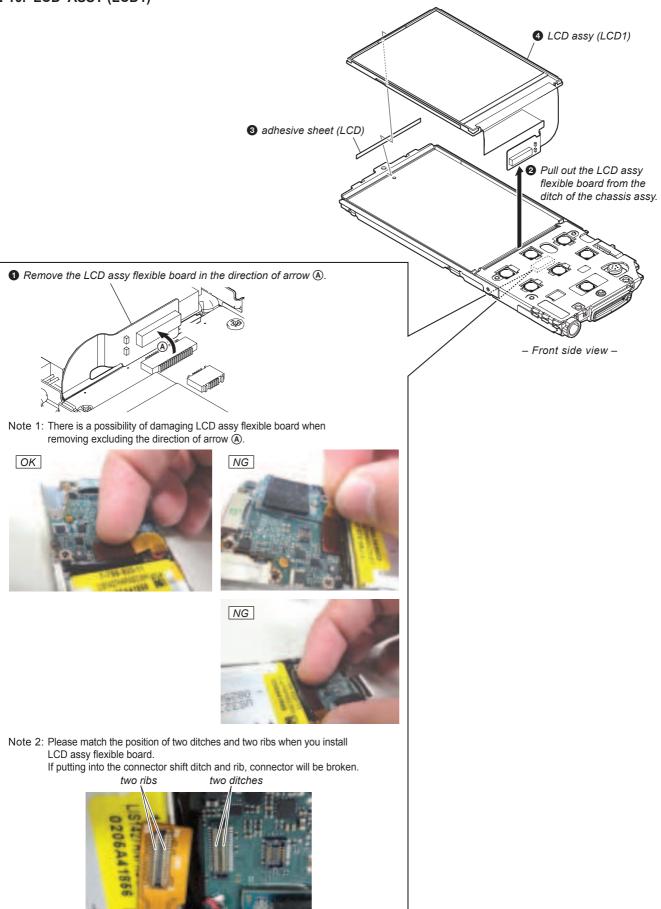
2-8. 3PIN HP JACK BLOCK



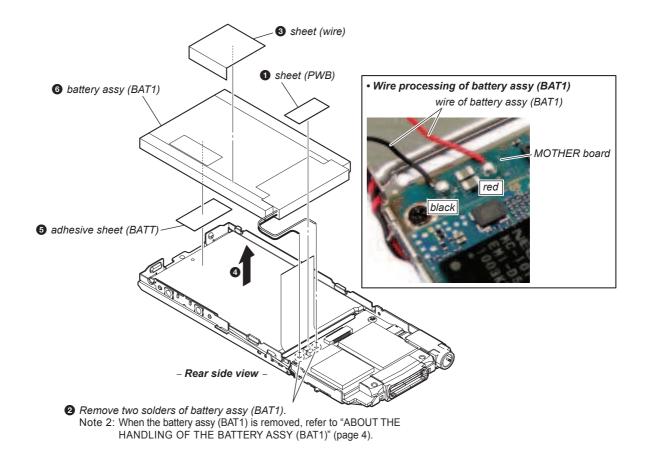
2-9. MOTHER BOARD



2-10. LCD ASSY (LCD1)



2-11. BATTERY ASSY (BAT1)



NWZ-E463/E463HK/E463K/E464/E464K/E465 SECTION 3 TEST MODE

Note 1: 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.

Note 2: Execute "EXITTEST" when you release the test mode.

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.
- Press the [BACK] key for more 1.5 seconds, the home menu is displayed.
- 3. Slide the [HOLD] key from OFF to ON.
- 4. Press the key as following order.

$$[\blacktriangleleft] \to [\text{VOL}-] \to [\text{VOL}+] \to [\blacktriangleright] \to [\text{BACK}] \to$$
$$[\blacktriangleright II] \to [\blacktriangleright] \to [\blacktriangleright II] \to [\text{BACK}] \to [\blacktriangleleft]$$

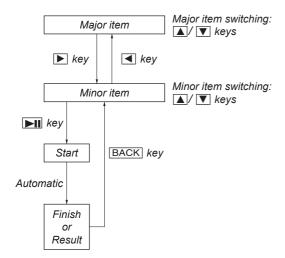
- The set reboots and the color bar is displayed on the liquid crystal display.
- Enter the test mode when any keys are pressed in the state of step 5, and slide the [HOLD] key from ON to OFF.

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

2. RELEASING THE TEST MODE

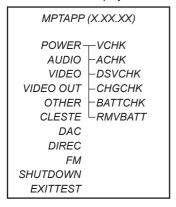
- 1. Display the major item selection screen.
- Press the [▲]/[▼] keys to select the "EXITTEST", and press the [▶] key to select the "SURE?".
- Press the [►II] key, turn the power off and release the test mode.

3. CONFIGURATION OF THE TEST MODE



4. OPERATION OF THE TEST MODE 4-1. Power (POWER)

Screen display



4-1-1. Power supply voltage check (VCHK)

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.
- Press the [▲]/[▼] keys to select the "POWER", and press the
 |►] key to enter the minor item.
- 3. Press the $[\blacktriangle]/[\blacktriangledown]$ keys to select the "VCHK".
- 4. Press the [►II] key, all power supply lines are started.

Screen 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 (ACHK)

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 outputted.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "POWER", and press the [▶] key to enter the minor item.
- 3. Press the $[\blacktriangle]/[\blacktriangledown]$ keys to select the "ACHK".
- Press the [►II] key, "1 kHz 0 dBs L-ch/R-ch VOLUME: 15" audio signal is outputted.

Screen display



- In this state, each time the [▶] 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 (DSVCHK)

This mode is used in case standby current is checked.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "POWER", and press the [▶] key to enter the minor item.
- 3. Press the $[\blacktriangle]/[\blacktriangledown]$ keys 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.

Screen display



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

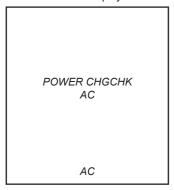
4-1-4. Charge current check (CHGCHK)

This mode is used in case charge current is checked.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "POWER", and press the [▶] key to enter the minor item.
- 3. Press the $[\blacktriangle]/[\blacktriangledown]$ keys to select the "CHGCHK".
- 4. Press the [►II] key, the charge setting is displayed.

Screen display



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

	Port control				
Display	CHG_XCHGEN	CHG_PEN1	CHG_PEN2		
AC	L	Н	Н		
USB500	L	Н	Н		
USB100	L	Н	L		

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

4-1-5. Battery voltage detection check (BATTCHK)

This mode is used in case battery voltage is checked.

Checking method:

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

Screen display



X.XXXV: Battery voltage

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

4-1-6. Battery separation (RMVBATT)

When the battery is removed, this mode is used.

Note: Not used for the servicing.

4-2. Audio (AUDIO)

While playing the audio track, it's in a repeat state. If [BACK] key is pressed, it's stopped.

Press the [◀] key to switch the HPOUT/LINEOUT/SPEAKER.

Screen display



4-2-1. Output check (OUTPUT)

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

Checking method:

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

Screen display

AUDIO OUTPUT 1kHz 0dBs L/Rch HPOUT [VOL: 25]

START

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

4-2-2. S/N check (SN)

"Infinity Zero VOLUME: 25" audio signal is outputted.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "AUDIO", and press the [▶] key to enter the minor item.
- 3. Press the [▲]/[▼] keys to select the "SN".
- Press the [►II] key, "Infinity Zero VOLUME: 25" audio signal is outputted.

Screen display

AUDIO SN Infinity Zero HPOUT [VOL: 25]

START

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

4-2-3. Frequency characteristic 1 check (F1)

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

Checking method:

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

Screen display

AUDIO F1 20Hz 0dBs L/Rch HPOUT [VOL: 25]

START

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

4-2-4. Frequency characteristic 2 check (F2)

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

Checking method:

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

Screen display

AUDIO F2 20kHz 0dBs L/Rch HPOUT [VOL: 25]

START

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

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

Checking method:

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

Screen display

AUDIO SEPLR 1kHz 0dBs Lch HPOUT [VOL: 25]

START

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

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

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

Checking method:

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

Screen display

AUDIO SEPRL 1kHz 0dBs Rch HPOUT [VOL: 25] START

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

4-2-7. Maximum output check (MAXOUT)

"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.
- Press the [▲]/[▼] keys to select the "AUDIO", and press the [▶] key to enter the minor item.
- Press the [▲]/[▼] keys to select the "MAXOUT".
- 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.

Screen display

AUDIO MAXOUT 1kHz 0dBs L/Rch HPOUT [VOL: 30] AVLS OFF

- In this state, each time the [▶] 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 (NMLZR)

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

Checking method:

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

Screen display

AUDIO NMLZR 1kHz –24dBs L/Rch HPOUT [VOL: 30] START

4-2-9. Sound pressure regulation level check (SPCHK)

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

Checking method:

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

Screen display

AUDIO SPCHK 1kHz 0dBs L/Rch HPOUT [VOL: 30]

START

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

4-2-10. Speaker check

"20 – 20kHz 0dBs L-ch/R-ch VOLUME: 30" audio signal is outputted.

Note: Not used for the servicing.

4-2-11. User specification contents playback 1 (USER1)

"/User1.oma" is reproduced.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "AUDIO", and press the [▶] key to enter the minor item.
- 3. Press the $[\blacktriangle]/[\blacktriangledown]$ keys to select the "USER1".
- 4. Press the [►II] key, "/User1.oma" is reproduced.

Screen display

AUDIO USER1 HPOUT [VOL: 15] XX:XX START

XX:XX: Repetition expert totaling time

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

4-2-12. User specification contents playback 2 (USER2)

"/User2.oma" is reproduced.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "AUDIO", and press the [▶] key to enter the minor item.
- 3. Press the [▲]/[▼] keys to select the "USER2".
- 4. Press the [►II] key, "/User2.oma" is reproduced.

Screen display

AUDIO USER2 HPOUT [VOL: 15] XX:XX START

XX:XX: Repetition expert totaling time

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

4-2-13. User specification contents playback 3 (USER3)

"/User3.oma" is reproduced.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "AUDIO", and press the [▶] key to enter the minor item.
- 3. Press the [▲]/[▼] keys to select the "USER3".
- 4. Press the [►II] key, "/User3.oma" is reproduced.

Screen display



XX:XX: Repetition expert totaling time

4-3. Video (VIDEO)

Screen display

MPTAPP (X.XX.XX)

POWER
AUDIO
VIDEO — LCD
VIDEO OUT — USER1
OTHER — USER2
CLESTE — USER3
DAC
DIREC
FM
SHUTDOWN
EXITTEST

4-3-1. LCD display check (LCD)

Screen display is checked.

Checking method:

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

All black (default) \rightarrow Color bar (standard) \rightarrow Color bar (brightness minimum) \rightarrow Color bar (brightness maximum) \rightarrow All red \rightarrow All green \rightarrow All blue \rightarrow All white \rightarrow Maximum drawing size confirmation \rightarrow diagonal gradation (red) \rightarrow diagonal gradation (green) \rightarrow diagonal gradation (blue) \rightarrow diagonal gradation (white)

Maximum drawing size confirmation:

All blue (All sides are red) is displayed. Whether red in all sides is seen is confirmed.

- In this state, each time the [▶] key is pressed, brightness min/ max/middle switch is performed.
- 6. Press the [BACK] key, return to minor item selection screen.

4-3-2. User specification contents playback 1 (USER1) "/User1.mp4" is reproduced.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "VIDEO", and press the [▶] key to enter the minor item.
- 3. Press the [▲]/[▼] keys to select the "USER1".
- 4. Press the [►II] key, "/User1.mp4" is reproduced.

Screen display

VIDEO USER1 HPOUT [VOL: 15] [WIFI: OFF] [CHARGE: AC] XX:XX

XX:XX: Repetition expert totaling time

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

4-3-3. User specification contents playback 2 (USER2)

"/User2.mp4" is reproduced.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "VIDEO", and press the [▶] key to enter the minor item.
- 3. Press the [▲]/[▼] keys to select the "USER2".
- 4. Press the [►II] key, "/User2.mp4" is reproduced.

Screen display

VIDEO USER2 HPOUT [VOL: 15] [WIFI: OFF] [CHARGE: AC] XX:XX

XX:XX: Repetition expert totaling time

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

4-3-4. User specification contents playback 3 (USER3)

"/User3.mp4" is reproduced.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "VIDEO", and press the [▶] key to enter the minor item.
- 3. Press the $[\blacktriangle]/[\blacktriangledown]$ keys to select the "USER3".
- 4. Press the [►II] key, "/User3.mp4" is reproduced.

Screen display

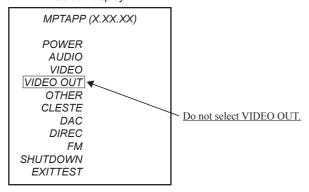


XX:XX: Repetition expert totaling time

4-4. Video output (VIDEO OUT)

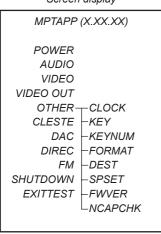
Note: "VIDEO OUT" must select it never. There is a possibility that the problem occurs in destination setting.

Screen display



4-5. Other (OTHER)

Screen display



4-5-1. Clock check (CLOCK)

The movement of an internal clock is confirmed.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "OTHER", and press the [▶] key to enter the minor item.
- 3. Press the $[\blacktriangle]/[\blacktriangledown]$ keys to select the "CLOCK".
- Press the [►II] key, date and time are displayed. "START" changes into "OK" if the movement of an internal clock is confirmed.

Screen display



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

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

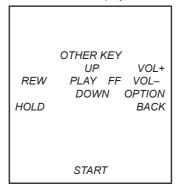
4-5-2. Key check (KEY)

The operation of the key is confirmed.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "OTHER", and press the [▶] key to enter the minor item.
- 3. Press the $[\blacktriangle]/[\blacktriangledown]$ keys to select the "KEY".
- 4. Press the [►II] key, all keys are displayed.

Screen display



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

4-5-3. Frequency check that presses key (KEYNUM)

The frequency to which the key is pressed, insert/pull out frequency of cradle and insert/pull out frequency of the headphone are displayed.

Note: Not used for the servicing.

4-5-4. Format (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" \rightarrow "Common settings" \rightarrow "Reset/Format" \rightarrow "Format" when it home menu in usually operates when the set should format it.

4-5-5. Destination setting (DEST)

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

Note: Not used for the servicing.

4-5-6. Sound pressure regulation setting (SPSET)

ON/OFF of sound pressure regulation is confirmed.

Note: Not used for the servicing.

4-5-7. Firmware version check (FWVER)

The firmware version is displayed.

Checking method:

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

Screen display

OTHER FWVER
X.XX.XX

MODEL NAME
NWZ-####

SERIAL NO
@@@@@@@@

X.XX.XX : Firmware version : Model name @@@@@@@ : Serial No.

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

4-5-8. NAND capacity check (NCAPCHK)

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

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "OTHER", and press the [▶] key to enter the minor item.
- 3. Press the [▲]/[▼] keys to select the "NCAPCHK".
- Press the [►II] key, capacity of NAND flash memory, present bad block, maximum bad block, and vender ID are displayed.

Screen display

OTHER NCAPCHK
X GB

BADBLOCK
CUR (####)/MAX (@@@@)

VENDOR (XXXXXXXXX)
\$\$\$\$

X : Capacity of NAND flash memory

@@@@: Number of present bad block

(It makes an error the acquisition of the number of

bad blocks at "-1")

: Number of maximum bud block

(It makes an error the acquisition of the vender ID

at "-1")

\$\$\$\$: Vender of NAND flash memory

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

4-6. CLESTE

Screen display

MPTAPP (X.XX.XX)

POWER
AUDIO
VIDEO
VIDEO OUT
OTHER
CLESTE—WCABLE
DAC WOCABLE
DIREC
FM
SHUTDOWN
EXITTEST

4-6-1. Clear stereo setting (With cable) (WCABLE)

This mode is according to an original sound playback, for adjustment to right and left sound.

Note: Not used for the servicing.

4-6-2. Clear stereo setting (No cable) (WOCABLE)

This mode is according to an original sound playback, for adjustment to right and left sound.

Note: Not used for the servicing.

NWZ-E463/E463HK/E463K/E464/E464K/E465

4-7. DAC

Screen display

MPTAPP (X.XX.XX)

POWER
AUDIO
VIDEO
VIDEO OUT
OTHER
CLESTE
DAC—B-GAIN
DIREC T-GAIN
FM
SHUTDOWN
EXITTEST

4-7-1. BASS-Gain/Fc setting (B-GAIN)

This mode is adjustment for the sound of BASS when playback.

Note: Not used for the servicing.

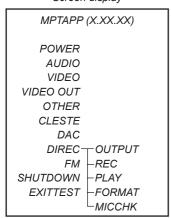
4-7-2. TREBLE-Gain/Fc setting (T-GAIN)

This mode is adjustment for the sound of TREBLE when playback.

Note: Not used for the servicing.

4-8. **DIREC**

Screen display



4-8-1. Direct recording output check (OUTPUT)

In this mode, the output confirmation is done.

Note: Not used in this model.

4-8-2. Direct recording recording (REC)

In this mode, it records by the format specified in "Direct recording format select"

Note: Not used in this model.

4-8-3. Direct recording playback (PLAY)

In this mode, the sound recorded in "Direct recording recording" is reproduced.

Note: Not used in this model.

4-8-4. Direct recording format select (FORMAT)

In this mode, the recording format is selected.

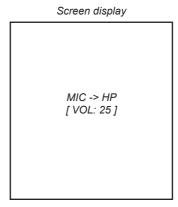
Note: Not used in this model.

4-8-5. Built-in microphone check (MICCHK)

In this mode, the built-in microphone is checked.

Checking method:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "DIREC", and press the [▶] key to enter the minor item.
- 3. Press the [▲]/[▼] keys to select the "MICCHK".
- Press the [>II] key, the built-in microphone check is begun. In this state, the sound that the built-in microphone perceived is outputted from the headphone.



4-9. FM

Screen display



4-9-1. Reception output check (RCVCHK)

FM tuning checked.

Checking method:

- 1. Enter the test mode.
- 2. Press the [▲]/[▼] keys to select the "FM", and press the [▶] key to select the "RCVCHK".
- 3. Press the [►II] key, "90.00 MHz" is displayed.

Screen display

FM RCVCHK
90.00 MHz
[VOL : 30]
[RSSI : XX]
[Sense-H : XX]
[Sense-L : XX]

 In this state, each time the [◄] key is pressed, frequency is changes in the following order.

90.00 MHz (default) \rightarrow 76.00 MHz \rightarrow 95.75 MHz \rightarrow 107.75 MHz \rightarrow 87.50 MHz \rightarrow 98.00 MHz \rightarrow 108.00 MHz \rightarrow 100.00 MHz

- In this state, each time the [▶] key is pressed, the LCD backlight brightness is switched.
- 6. In this state, each time the [OPTION] key is pressed, color bar is displayed.
- 7. In this state, slide the [HOLD] key from OFF to ON. Each time the [▶]/[◄] keys are pressed, frequency changes in 0.05 MHz.
- 8. Press the [BACK] key, return to minor item selection screen.

4-10. Shutdown (SHUTDOWN)

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

Procedure:

- 1. Enter the test mode.
- Press the [▲]/[▼] keys to select the "SHUTDOWN", and press the [▶] key to select the "SURE?".
- Press the [►II] key, turn the power off while having entered the test mode.

NWZ-E463/E463HK/E463K/E464/E464K/E465 SECTION 4 EXPLODED VIEWS

Note:

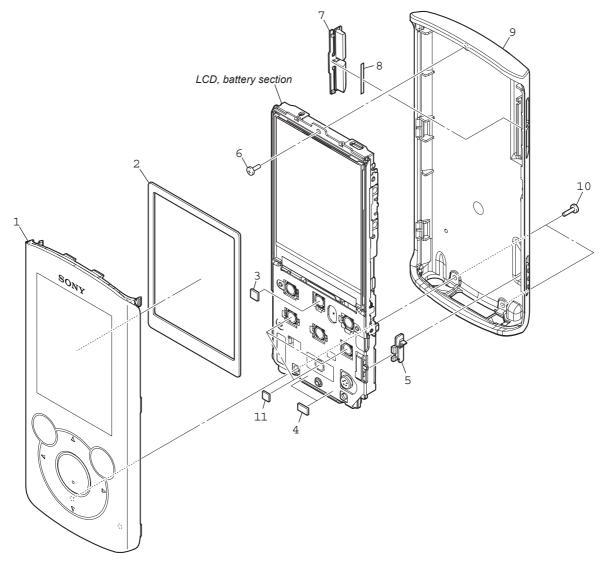
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:

KNOB, BALANCE (WHITE) . . . (RED)

Parts Color Cabinet's Color

 Refer to "COLOR VARIATION" in the "SERVICING NOTES" (page 7) about color variation of model and destination.

4-1. CASE SECTION



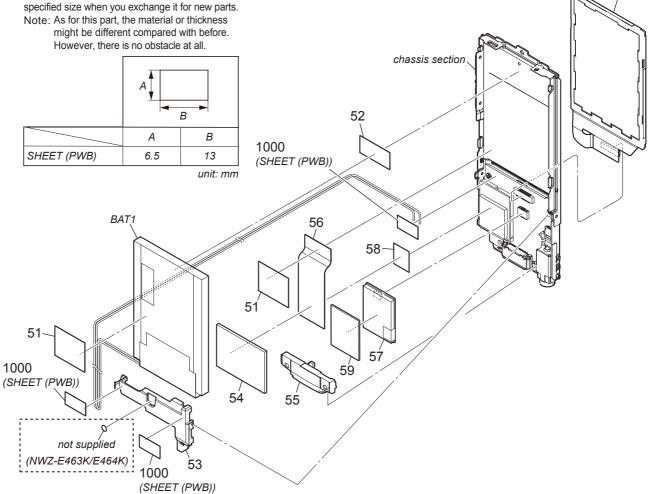
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-2581-503-1	CASE (FRONT) (B) ASSY (BLACK)		7	4-283-364-41	BUTTON (VOL) (GREEN)	
1	X-2581-684-1	CASE (FRONT) (R) ASSY (RED)		7	4-283-364-51	BUTTON (VOL) (GOLD)	
1	X-2581-685-1	CASE (FRONT) (P) ASSY (PINK)		8	4-283-366-01	SHEET (VOL), ADHESIVE	
1	X-2581-686-1	CASE (FRONT) (L) ASSY (BLUE)		9	X-2581-504-1	CASE (REAR) (B) ASSY (BLACK)	
1	X-2581-687-1	CASE (FRONT) (G) ASSY (GREEN)		9	X-2581-689-1	CASE (REAR) (R) ASSY (RED)	
1	X-2581-688-1	CASE (FRONT) (N) ASSY (GOLD)		9	X-2581-690-1	CASE (REAR) (P) ASSY (PINK)	
2	4-286-701-01	CUSHION (LCD)		9	X-2581-691-1	CASE (REAR) (L) ASSY (BLUE)	
3	4-293-221-01	SPACER (BUTTON E)		9	X-2581-692-2	CASE (REAR) (G) ASSY (GREEN)	
4	4-292-852-01	SPACER (ORNAMENT RING)		9	X-2581-693-1	CASE (REAR) (N) ASSY (GOLD)	
5	4-283-368-01	GUIDE (HOLD)		10	4-195-816-01	SCREW 0+P2 M1.4 NEW TRU-STAR	
						(for BLUE, PINK, GR	EEN, GOLD)
6	3-254-136-01	SCREW (B1.4)					
7	4-283-364-01	BUTTON (VOL) (BLACK)		10	4-195-816-11	SCREW 0+P2 M1.4 NEW TRU-STAR	
7	4-283-364-11	BUTTON (VOL) (RED)				(for B	BLACK, RED)
7	4-283-364-21	BUTTON (VOL) (PINK)		11	4-299-401-01	SPACER	ŕ
7	4-283-364-31	BUTTON (VOL) (BLUE)					

4-2. LCD, BATTERY SECTION

· Rear side view

· About Ref. No. 1000

Please cut out and use POLYIMIDE SHEET for a specified size when you exchange it for new parts. Note: As for this part, the material or thickness might be different compared with before. However, there is no obstacle at all.

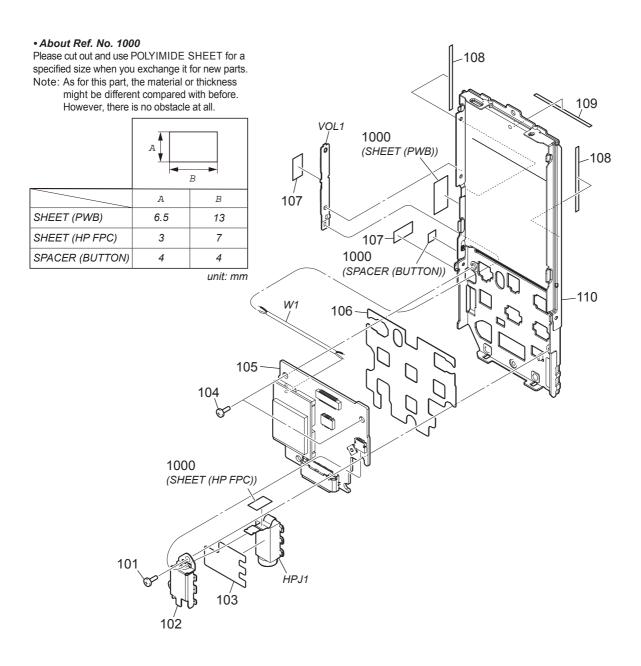


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-150-173-01	SHEET (WIRE)		57	9-885-159-63	EMMC BOARD, COMPLETE (16GB)
52	4-105-860-01	ADHESIVE, SHEET (BATT)				(for SE	RVICE) (NWZ-E465)
53	4-283-369-02	SUPPORT (M)		58	4-257-561-01	SHEET (CORAL) ADHESIVE	
54	4-198-386-01	CUSHION (NAND)					
55	4-283-367-01	ESCUTCHEON		59	4-263-096-01	SPACER (NAND)	
				1000	9-913-402-43	POLYIMIDE SHEET, t=0.075 (f	or SERVICE)
56	4-208-971-01	LEAF (CORAL), COPPER		BAT1	X-2546-032-2	SVX BATTERY ASSY	
57	9-885-159-61	EMMC BOARD, COMPLETE (4GB) (for (NWZ-E463/E463	,	LCD1	A-1788-689-A	LCD ASSY	
57	9-885-159-62	EMMC BOARD, COMPLETE (8GB) (for	,				

LCD1

4-3. CHASSIS SECTION

· Rear side view

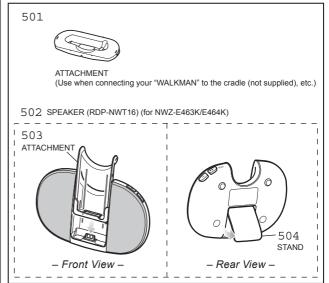


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-234-449-11	SCREW (M1.4)		108	4-195-814-01	SPACER (LCD)	
102	4-283-371-01	HOLDER (HP)		109	4-195-815-01	SHEET (LCD), ADHESIVE	
103	4-198-036-01	SHEET (HP JACK)					
104	3-234-449-05	SCREW (M1.4)		110	X-2581-502-1	CHASSIS ASSY	
105	9-885-159-64	MOTHER BOARD, COMPLETE (for SER	RVICE)	1000	9-913-402-43	POLYIMIDE SHEET, t=0.075 (for SERVI	CE)
			,	HPJ1	A-1784-100-A	3PIN HP JACK ASSY	
106	4-192-485-01	SHEET (MOTHER)		VOL1	A-1828-814-A	VOL KEY ASSY	
107	4-209-153-01	SHEET (CHASSIS)		W1	1-967-951-11	VOL KEY WIRE	

NWZ-E463/E463HK/E463K/E464/E464K/E465 SECTION 5 **ACCESSORIES**

Ref. No.	Part No.	Description	Remark
	1-542-892-11	HEAD PHONE (MDR-EX083LP/BC9) (Headphones: Black) (for BLACK, F (EXCEPT NV	
	1-542-892-21	HEAD PHONE (MDR-EX083LP/WC9) (Headphones: White) (for BLUE, PIN (EXCEPT NV	NK, GREEN)
	1-835-940-31 4-286-145-01	CORD, PC CONNECTION (USB cable) EARPAD (1 piece) (Included in MDR-ZX (NV	(100) VZ-E463HK)
	4-287-611-12	MANUAL, INSTRUCTION (Quick Start ((ENGLISH) (Except Qriocity compa (E	
	4-287-611-22	MANUAL, INSTRUCTION (Quick Start ((FRENCH) (Except Qriocity compa (CN	
	4-287-611-32	MANUAL, INSTRUCTION (Quick Start ((GERMAN) (Except Qriocity compa	′ 1
	4-287-611-42	MANUAL, INSTRUCTION (Quick Start ((SPANISH) (Except Qriocity compa (A	Guide)
	4-287-611-52	MANUAL, INSTRUCTION (Quick Start ((ITALIAN) (Except Qriocity compa	Guide)
	4-287-611-62	MANUAL, INSTRUCTION (Quick Start (RU:	
	4-287-611-73	MANUAL, INSTRUCTION (Quick Start ((SIMPLIFIED CHINESE) (E, A	
	4-287-611-83	MANUAL, INSTRUCTION (Quick Start ((TRADITIONAL CHINESE)	
	4-287-611-92		(E, AÚS, JE)
	4-287-612-12	,	INIAŃ) (EE)
	4-287-612-22	MANUAL, INSTRUCTION (Quick Start ((ARABIC)	Guide) (E, AUS, JE)
	4-287-612-32		RKISH) (EE)
	4-287-613-12	MANUAL, INSTRUCTION (for RDP-NW (ENGLISH, FRENCH, GERMAN ITALIAN) (NWZ-E463K: AEP, UK,	I, SPANISH,
	4-287-613-21	MANUAL, INSTRUCTION (for RDP-NW (ENGLISH, SIMPLIFIEI TRADITIONAL CHINESE, KOREA	O CHINESE, N, ARABIC)
	4-415-380-11	MANUAL, INSTRUCTION (Quick Start ((ENGLISH) (for Qriocity compa	
	4-415-380-21	MANUAL, INSTRUCTION (Quick Start ((FRENCH) (for Qriocity compa	Guide)
	4-415-380-31	MANUAL, INSTRUCTION (Quick Start ((GERMAN) (for Qriocity compa	
	4-415-380-41	MANUAL, INSTRUCTION (Quick Start ((SPANISH) (for Qriocity compa	Guide)
	4-415-380-51	MANUAL, INSTRUCTION (Quick Start (ITALIAN) (for Qriocity compatible mode	Guide)
	8-912-830-90	HEADPHONE (MDR-ZX100) (Headphoi (Including Earpad) (NV	nes)

Ref. No.	Part No.	Description	Remark
501	4-288-523-01	ATTACHMENT (ER-O)	
502	A-1825-725-A	RDP-NWT16 (Speaker) (BLACK)	
		(NWZ-E463K: AEP, UI	. ,
502	A-1837-362-A	RDP-NWT16 (Speaker) (PINK) (NWZ-	E464K)
502	A-1837-363-A	RDP-NWT16 (Speaker) (BLUE) (NWZ	-E464K)
502	A-1845-748-A	RDP-NWT16 (Speaker) (BLACK)	
		(NWZ-I	E463K: E, JE)
503	4-283-332-01	ATTACHMENT, E (Attachment for spea	aker)
		(SMOKE) (NWZ-E463K/E464)	K: for BLACK)
503	4-283-332-11	ATTACHMENT, E (Attachment for spea	aker)
		(CLEAR) (NWZ-E464K: for	BLUE, PINK)
504	4-193-600-01	PANEL, STAND (Stand for speaker) (B	BLACK)
		(NWZ-E463K/E464I	K: for BLACK)
504	4-193-600-11	PANEL, STAND (Stand for speaker) (V	VHITE)
		(NWZ-E464K: for	BLUE, PINK)



Abbreviation

AUS : Australian model CH : Chinese model CND : Canadian model : East European model EE : Tourist model JΕ MX : Mexican model