# HAP-Z1ES

## **SERVICE MANUAL**

Ver. 1.1 2015.11



US Model Canadian Model AEP Model UK Model Australian Model Chinese Model Singapore Model Malaysia Model

#### Note:

Be sure to keep your PC used for service and checking of this unit always updated with the latest version of your anti-virus software. In case a virus affected unit was found during service, contact your Service Headquarters.

#### **SPECIFICATIONS**

#### **Playback Specifications**

Frequency response 2 Hz - 80 kHz (-3 dB) Dynamic range 105 dB or higher THD

0.0015% or less

### Network section EDPA - Thu, 06 Mar 20

Wired LAN

1000BASE-T/100BASE-TX/10BASE-T

Wireless LAN

Compatible standards IEEE 802.11 b/g/n Frequency band/channel 2.4 GHz band: channels 1-11 (US, Canadian) 2.4 GHz band: channels 1-13 (AEP, UK, Australian, Chinese, Singapore, Malaysia)

#### **HDD** section

Capacity

1 TB\*

Some portions of the capacity are used for data management. Therefore, the capacity a user can use is less than 1 TB.

Supported playback format

DSD (DSF, DSDIFF), LPCM (WAV, AIFF), FLAC, ALAC, ATRAC Advanced Lossless, ATRAC, MP3, AAC, WMA (2 channels)

#### Jack section

Output jacks

LINE OUT UNBALANCED

Output level: 2.0 Vrms (50 kilohms), Impedance: 10 kilohms or

LINE OUT BALANCED

Output level: 2.0 Vrms (50 kilohms), Impedance: 600 ohms or

EXT port

Type A USB, Hi-Speed USB, for connecting an external hard disk drive

IR REMOTE OUT iack

for connecting the monaural mini-plug cable (supplied) or IR blaster (supplied)

#### General and others

Power requirements

AC 120 V 60 Hz (US, Canadian) AC 230 V 50/60 Hz (AEP, UK, Australian) AC 220 V 50 Hz (Chinese)

AC 230 V - 240 V 50/60 Hz (Singapore, Malaysia)

During standby mode (when [Network Standby] is set to [Off]): 0.3 W During standby mode (when [Network Standby] is set to [On] and a wired LAN is used): 2.6 W

During standby mode (when [Network Standby] is set to [On] and a wireless LAN is used): 2.8 W

Dimensions (approx.) (w/h/d)

 $430 \text{ mm} \times 130 \text{ mm} \times 390 \text{ mm}$  (17 inch  $\times 5 \frac{1}{8} \text{ inch} \times 15 \frac{3}{8} \text{ inch}$ ) including projecting parts and controls

Mass (approx.)

14.5 kg (32 lb 0 oz)

Supplied accessories

AC power cord (1) Remote control (RM-ANU183) (1)

R03 (size-AAA) batteries (2)

LAN cable (1)

Monaural mini-plug cable (1)

Audio cord (1)

IR blaster (1)

Quick Start Guide (1)

Reference Guide (1)

Design and specifications are subject to change without notice.

**HDD AUDIO PLAYER** 

9-893-887-02

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## SECTION 6 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

Abbreviations

AUS : Australian model
CH : Chinese model
CND : Canadian model
MY : Malaysia model
SP : Singapore model

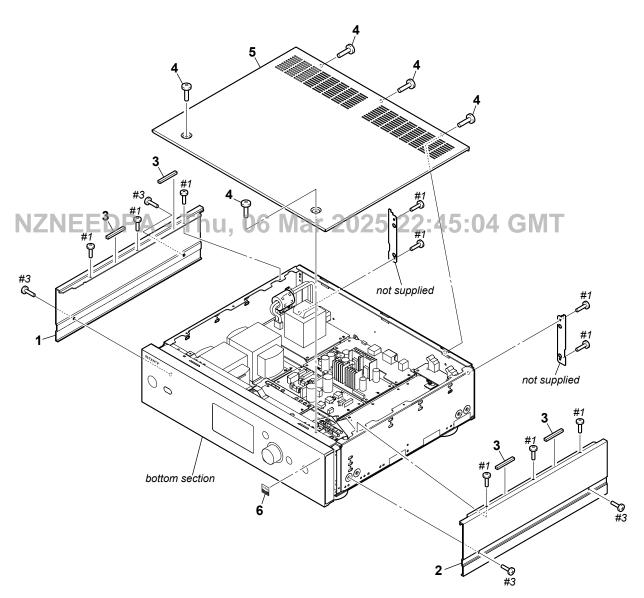
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

Replace only with part number specified.

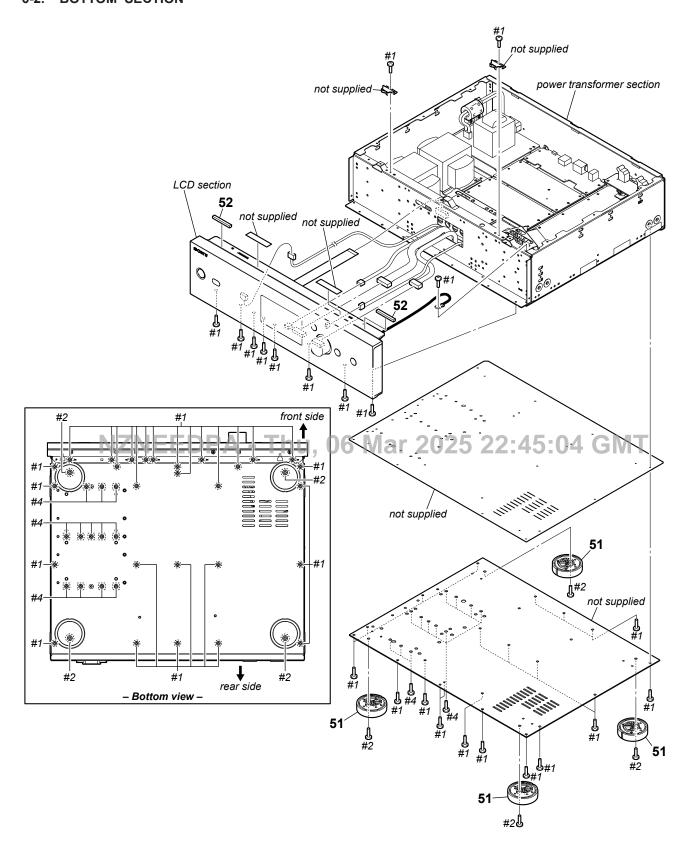
Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

#### 6-1. OVERALL SECTION

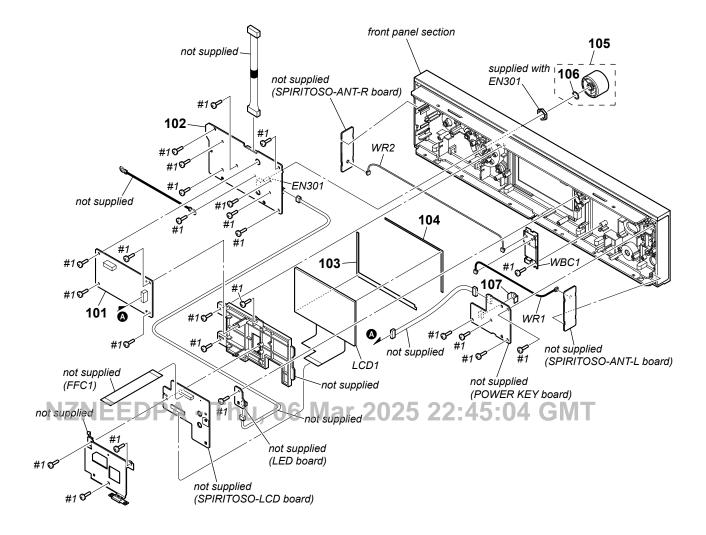


#### 6-2. BOTTOM SECTION



#### 6-3. LCD SECTION

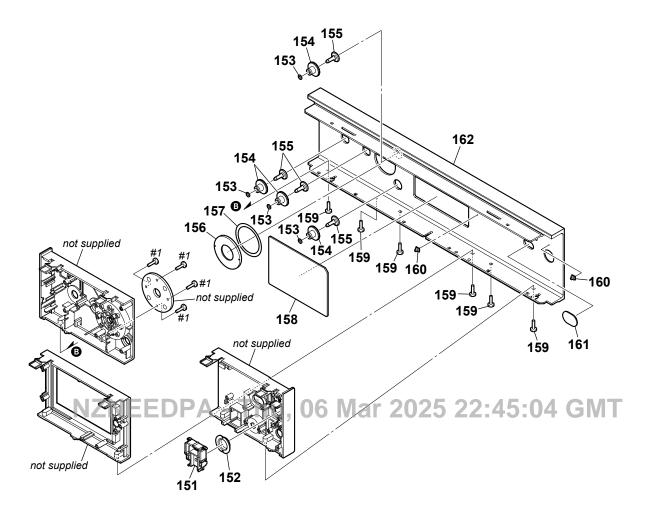
· Rear view



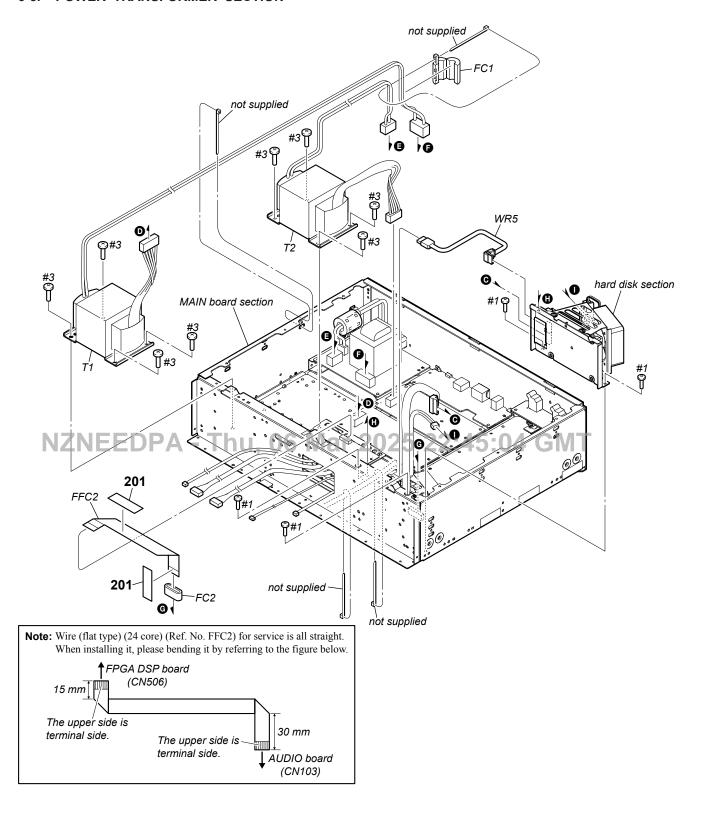
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#### 6-4. FRONT PANEL SECTION

· Rear view

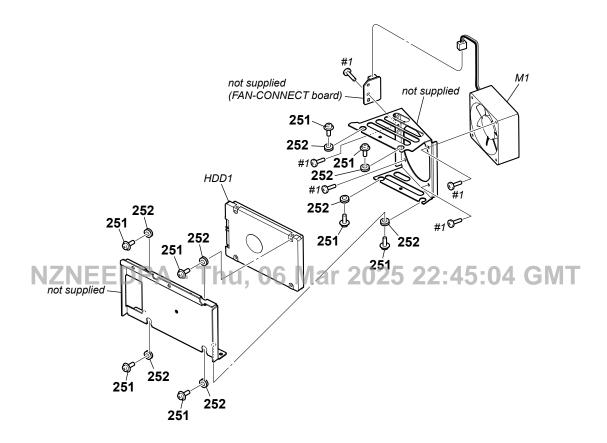


#### 6-5. POWER TRANSFORMER SECTION

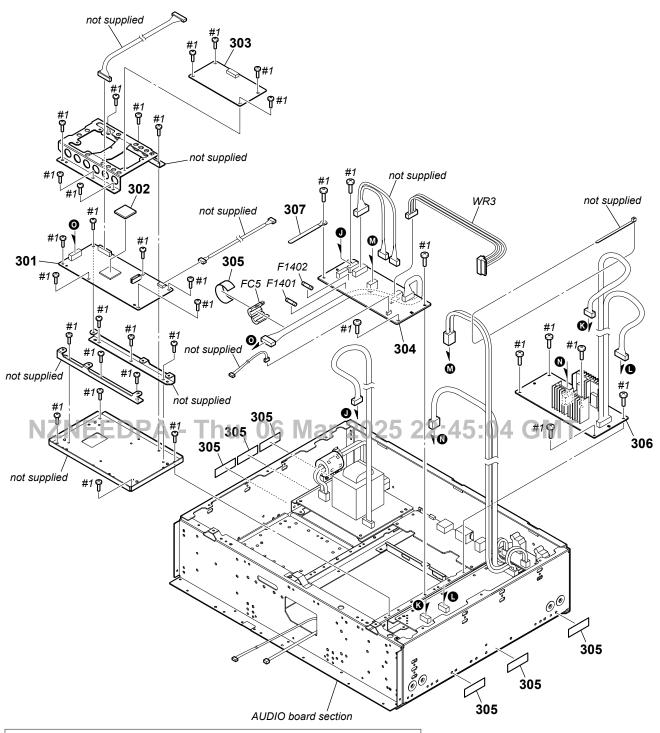


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#### 6-6. HARD DISK SECTION

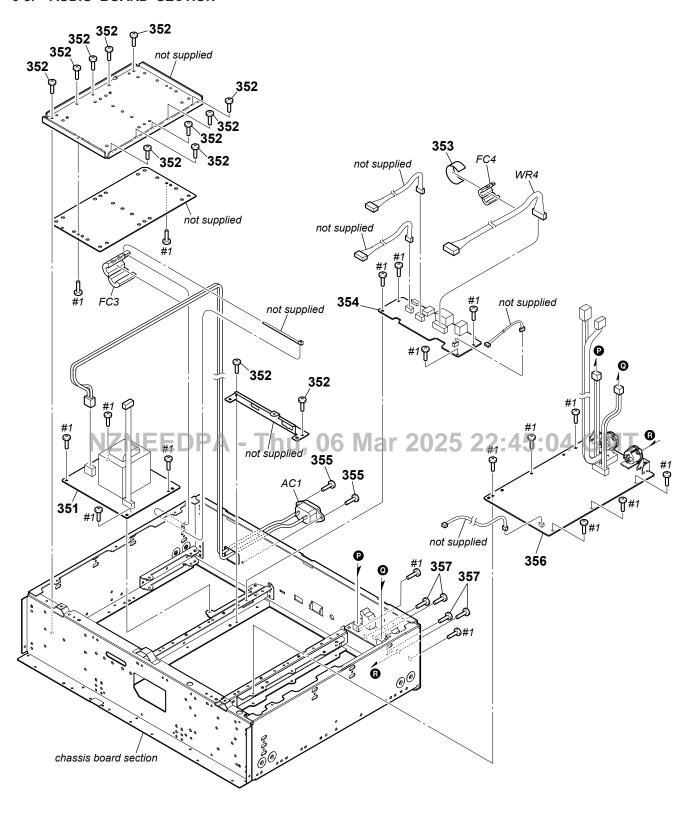


#### 6-7. MAIN BOARD SECTION



**Note:** When the complete MAIN board is replaced, refer to "NOTE OF REPLACING THE COMPLETE MAIN BOARD" and "NOTE OF REPLACING THE WLAN/BT COMBO CARD AND CHECKING METHOD OF NETWORK CONNECTION" on page 5.

#### 6-8. AUDIO BOARD SECTION



#### 6-9. CHASSIS SECTION

