

# GTK-XB7

## SERVICE MANUAL

Ver. 1.6 2018.10



US Model  
Canadian Model  
AEP Model  
UK Model  
E Model  
Australian Model

### SPECIFICATIONS

#### AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

(The United States model only)

Left/Right Channel:

With 3 ohms loads, both channels driven, from 120 – 10,000 Hz; rated 30 watts per channel minimum

RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

#### Speaker section

Speaker system:

Tweeter + Woofer

Tweeter L/R:

50 mm (2 in) × 3, cone type

Woofer:

160 mm (6 3/8 in) × 2, cone type

#### Inputs

AUDIO/PARTY CHAIN IN L/R:

Voltage 2 V, impedance 10 kilohms

#### Outputs

AUDIO/PARTY CHAIN OUT L/R:

Voltage 2 V, impedance 600 ohms

#### USB section and supported audio formats

USB port:

Type A, maximum current 2.1 A

Supported bit rate:

MP3 (MPEG1 Audio Layer-3):

32 kbps – 320 kbps, VBR

WMA: 32 kbps – 192 kbps, VBR

Sampling frequencies:

MP3 (MPEG1 Audio Layer-3):

32/44.1/48 kHz

WMA: 44.1 kHz

#### BLUETOOTH section

Communication system:

BLUETOOTH Standard version 3.0

Output:

BLUETOOTH Standard Power Class 2

Maximum communication range:

Line of sight approx. 10 m (33 feet)<sup>1)</sup>

Frequency band:

2.4 GHz band (2.4000 GHz – 2.4835 GHz)

Modulation method:

FHSS (Freq Hopping Spread Spectrum)

Compatible BLUETOOTH profiles<sup>2)</sup>:

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio Video Remote Control Profile)

SPP (Serial Port Profile)

Supported codecs:

SBC (Sub Band Codec)

AAC (Advanced Audio Coding)

LDAC

<sup>1)</sup> The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, antenna's performance, operating system, software application, etc.

<sup>2)</sup> BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communication between devices.

#### General

Power requirements:

North American model: AC 120 V,

60 Hz

Korean model: AC 220 V – 240 V,

50/60 Hz

Other models: AC 120 V – 240 V,

50/60 Hz

Power consumption:

60 W

Standby power consumption:

When BLUETOOTH standby mode is set to off: 0.5 W (eco mode)

When BLUETOOTH standby mode is set to on: 2.8 W (all wireless network ports on)

Dimensions (W/H/D) (Approx.):

330 mm × 650 mm × 340 mm (13 in

× 25 5/8 in × 13 1/2 in)

Mass (Approx.):

12 kg (26 lb 16 oz)

Quantity of the system:

1 piece

Supplied accessories:

Remote control (1)

R03 (size AAA) batteries\* (2)

RU model:

\* Рекомендуемый срок годности указан на отрицательной стороне батарейки.

AC power cord (1)

AC plug adaptor\* (1) (E4, LA, SP6)

(supplied only for certain areas)

\* This plug adaptor is not for the use in Chile, Paraguay and Uruguay. Use this plug adaptor in the countries where it is necessary.

RU model (RUSSIAN):

Условия хранения:

Товары сохраняют в упакованном виде в темных, сухих, чистых, хорошо вентилируемых помещениях, изолированных от мест хранения кислот и щелочей.

Температура хранения:

от -10°C до +45°C

Относительная влажность хранения:

от 30% до 70%

Рабочая температура:

от 5°C до 35°C

Рабочая относительная влажность:

от 30% до 70%

RU model (UKRAINIAN):

Умови зберігання:

Продукцію зберігати в упакованому виді в темних, сухих, чистих, добре вентильованих приміщеннях, ізольованих від місць зберігання кислот і лугів.

Температура зберігання:

від -10°C до +45°C

Відносна вологість зберігання:

від 30% до 70%

Робоча температура:

від 5°C до 35°C

Робоча відносна вологість:

від 30% до 70%

Design and specifications are subject to change without notice.

## HOME AUDIO SYSTEM

9-896-261-07

2018J33-1

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Sony Video & Sound Products Inc.

# SONY®

## SECTION 5 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)  

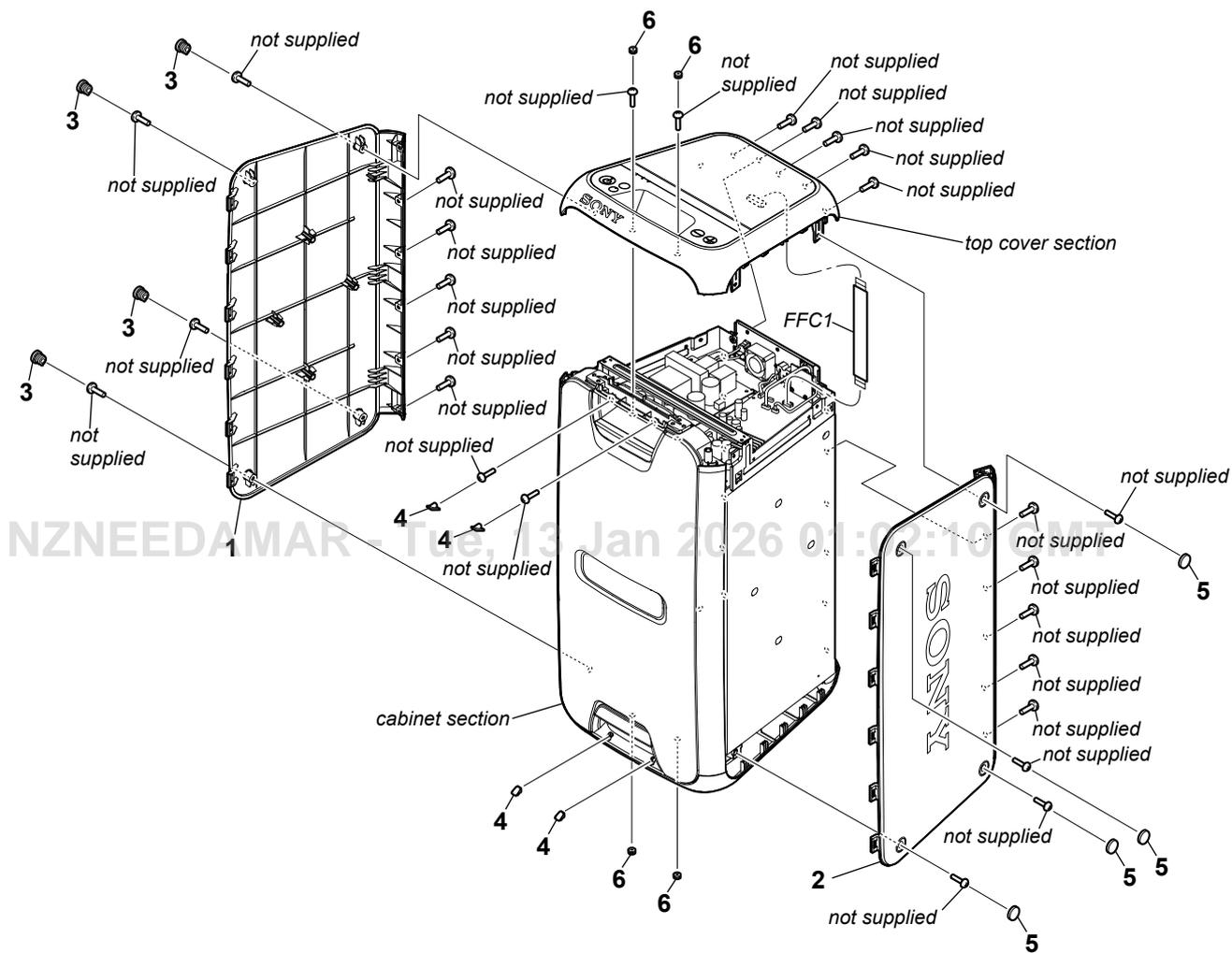
↑
↑

 Parts Color    Cabinet's Color
- Color variations  
 (B) Black : All models  
 (L) Blue : Except E4, E93, KR models  
 (R) Red : Except E4, E93, KR models

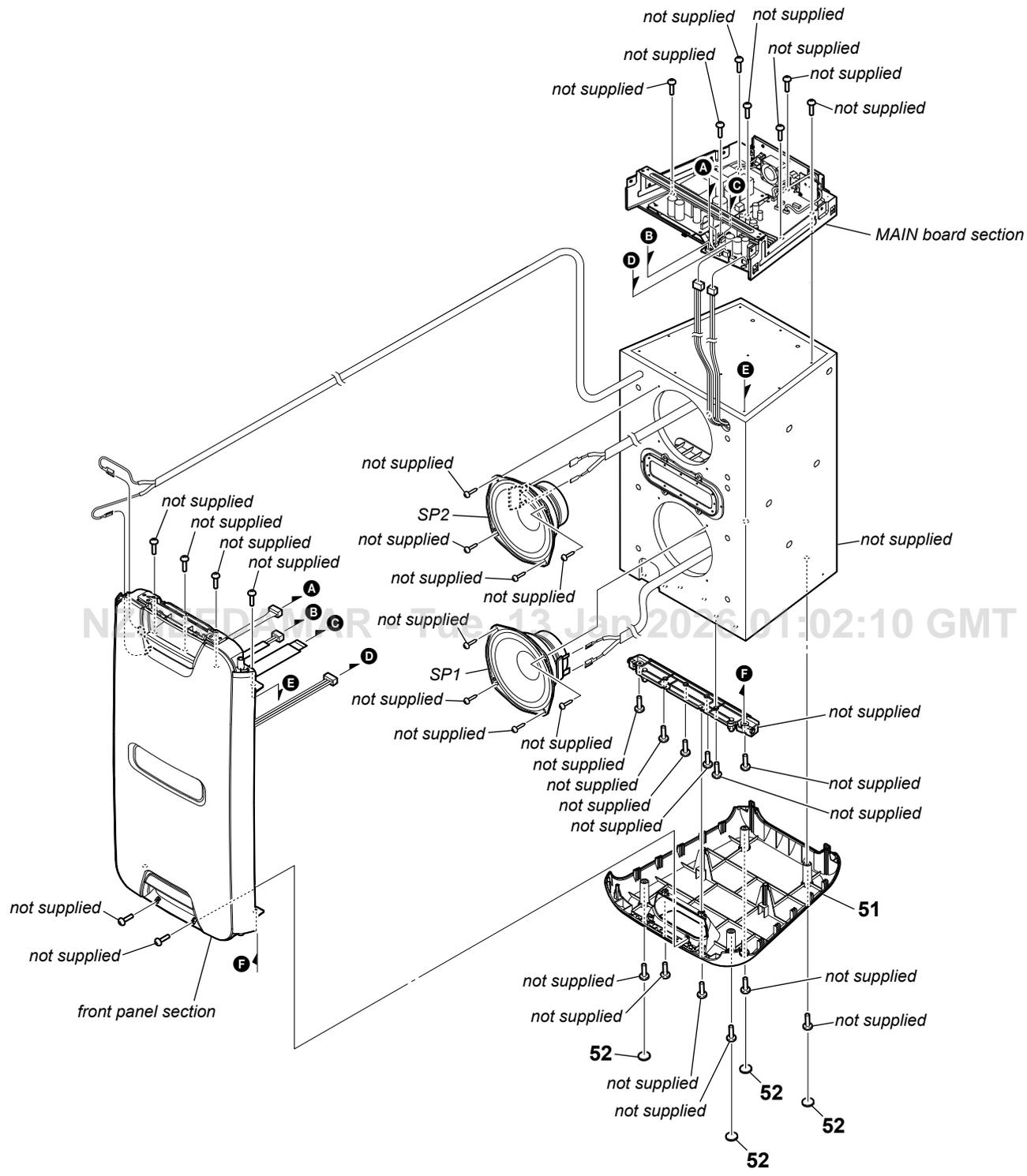
The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

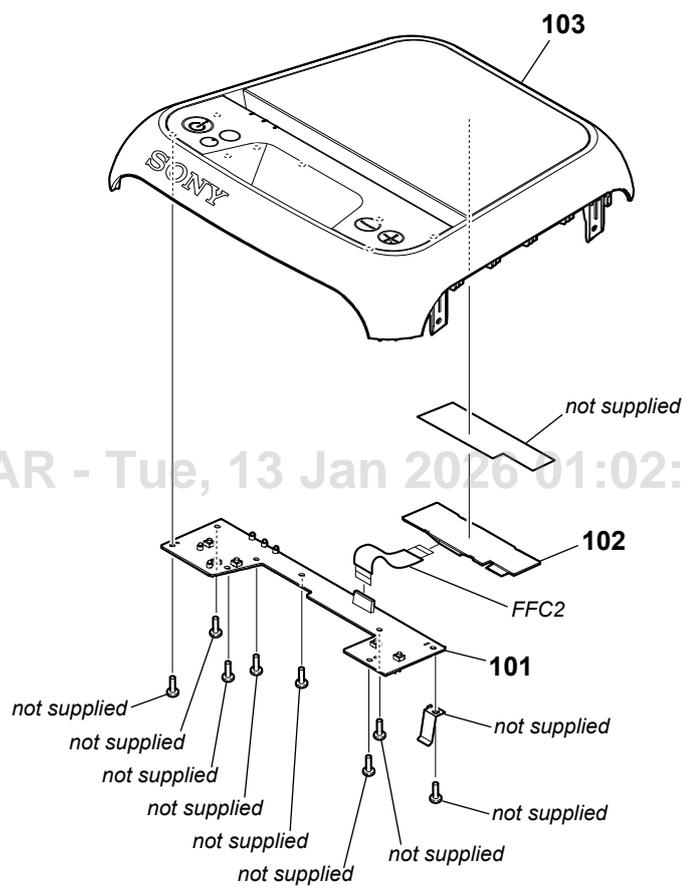
### 5-1. SIDE PANEL SECTION



**5-2. CABINET SECTION**

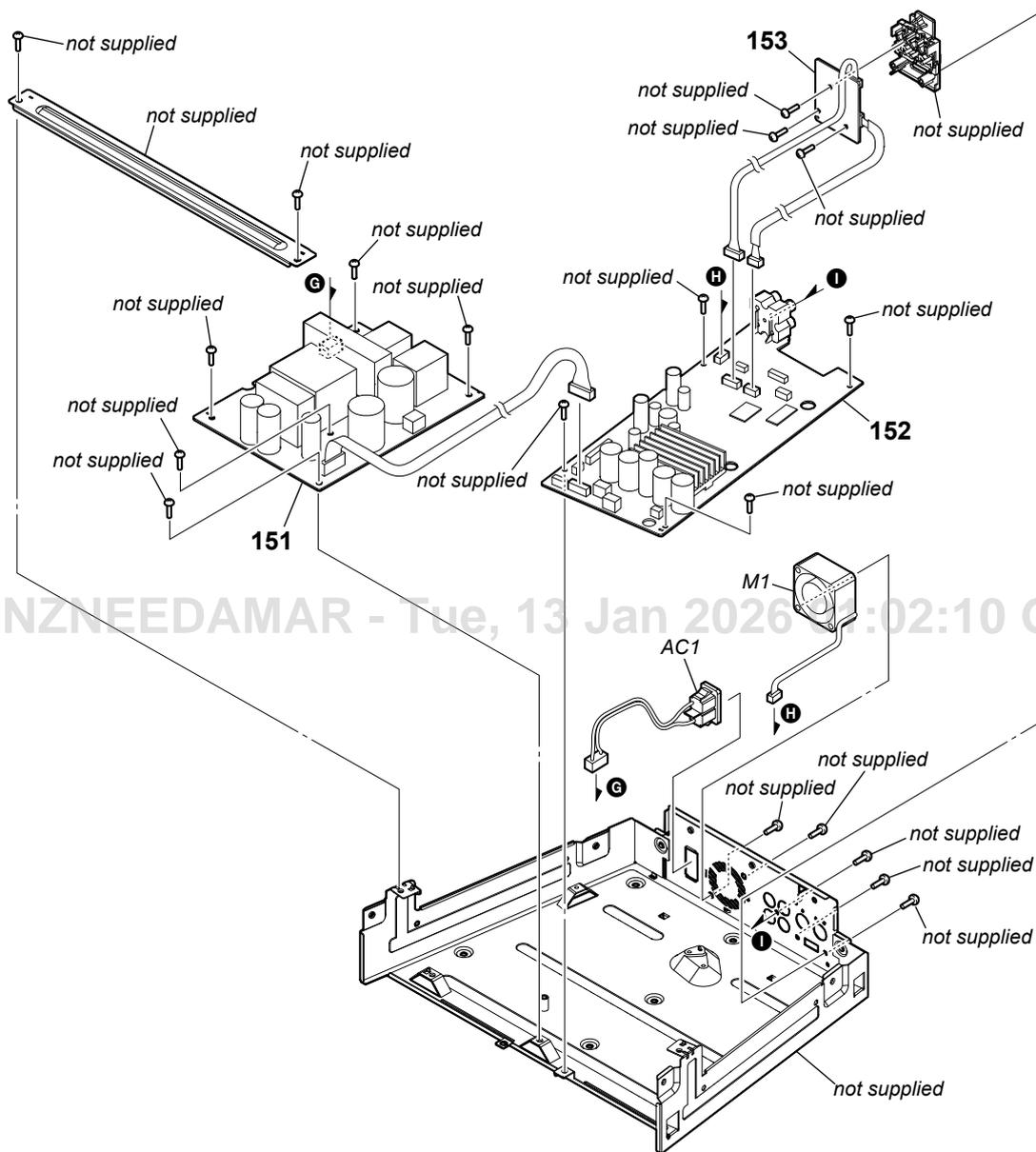


### 5-3. TOP COVER SECTION



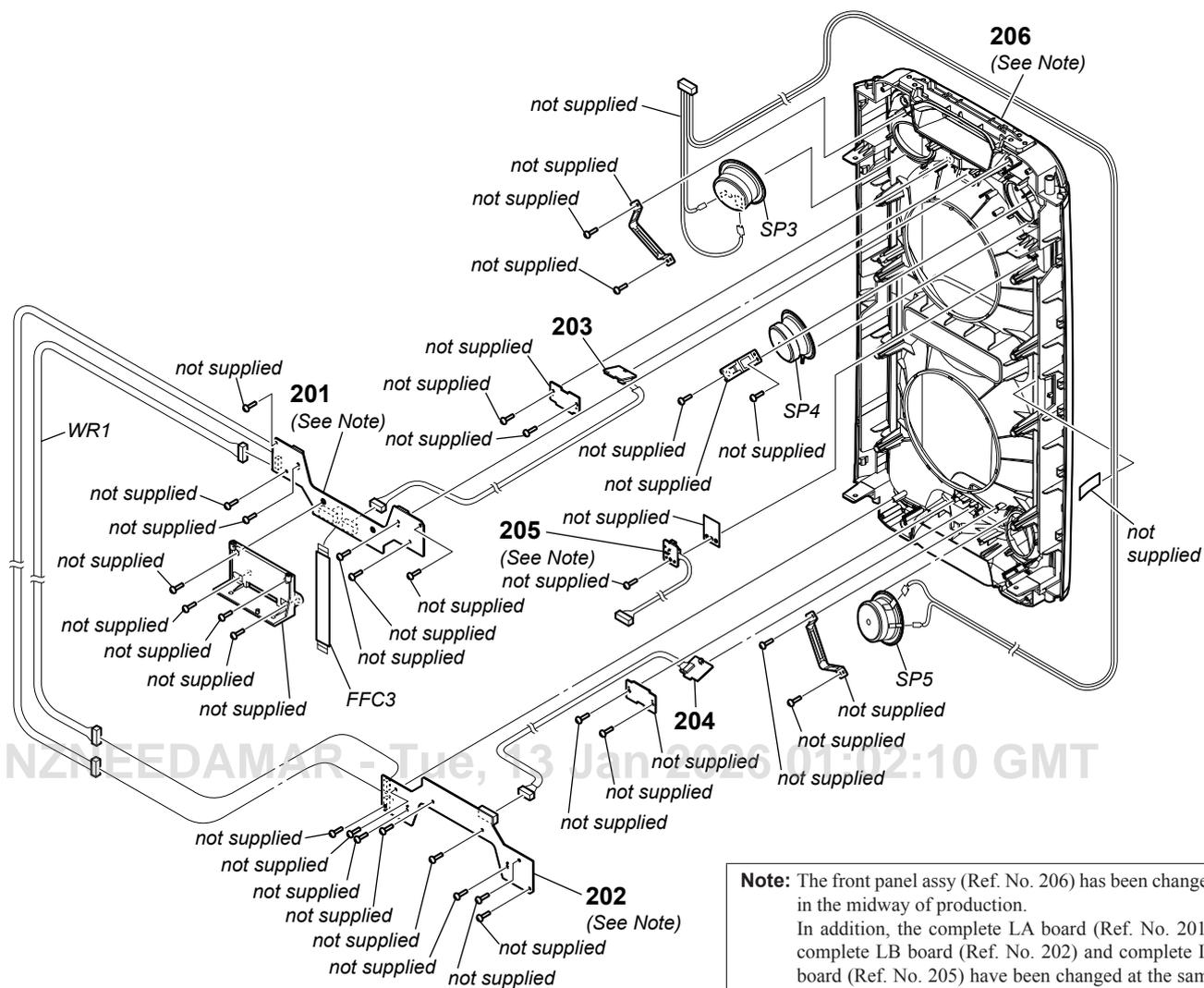
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**5-4. MAIN BOARD SECTION**



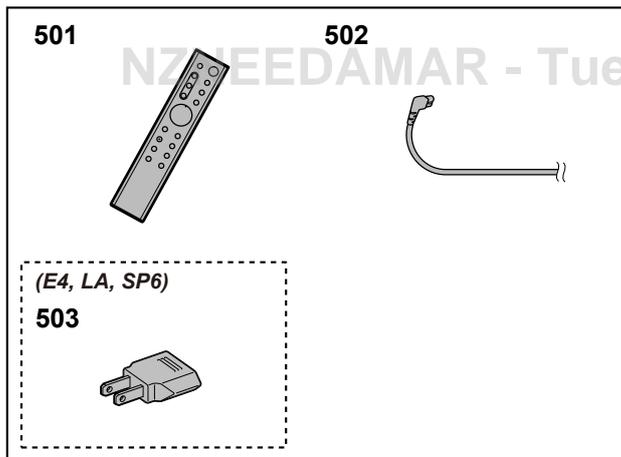
5-5. FRONT PANEL SECTION

- Rear view



**Note:** The front panel assy (Ref. No. 206) has been changed in the midway of production. In addition, the complete LA board (Ref. No. 201), complete LB board (Ref. No. 202) and complete IR board (Ref. No. 205) have been changed at the same time as the front panel assy has been changed. When replacing these parts, be sure to refer to "ABOUT CHANGE OF THE IR BOARD, LA BOARD AND LB BOARD WITH CHANGE OF THE FRONT PANEL ASSY" on page 5.

**SECTION 6  
ACCESSORIES**



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