

PS-LX3BT/LX5BT

YY2097C/YY2098C

SERVICE MANUAL

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- (6) In addition to the above, the terms and conditions of the Service agreement shall be applied to using this information.

Revision of Information:

This information may be changed or updated at any time without any prior notice. Please confirm that this information is up-to-date before using it.

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.

NZNEEDAMAR - Tue, 26 May 2026 00:58:03 GMT

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9-930-901-03

2026D33-1

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PS-LX3BT/LX5BT

YY2097C/YY2098C

SERVICE MANUAL

Ver. 1.2 2026.04

- These stereo turntable system have each two types of names for model name and model.
Model name: PS-LX3BT
Model: YY2097C
Model name: PS-LX5BT
Model: YY2098C



Photo: PS-LX5BT/YY2098C

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Chinese Model
PX Model

SPECIFICATIONS

Motor/platter section

Drive system
Belt-drive
Motor
DC motor
Platter
296 mm (11 3/4 in) dia. (aluminum die-cast)
Speeds
2 speeds (33 1/3 and 45 rpm)
Wow and flutter
0.1% (WRMS)
S/N ratio
When using the supplied cartridge.
More than 50 dB (DIN-B)

Tone Arm

Type
Dynamic balanced J shaped arm
Effective arm length
197 mm (7 7/8 in)

Cartridge

Type
PS-LX5BT: MM
PS-LX3BT: MM
Stylus pressure
PS-LX5BT: 2.0±0.5 g (1/14±1/64 oz)
PS-LX3BT: 3.5±0.5 g (1/8±1/64 oz)
Output level
PS-LX5BT: 2.5 mV
PS-LX3BT: 2.5 mV

BLUETOOTH section

Output
BLUETOOTH Specification Power Class 2
Maximum communication range
Line of sight approx. 10 m (32.8 ft)
The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone use, reception sensitivity, the operating system, software applications, etc.
Frequency band (US, CND, AUS, PX, EA, SP, TW, KR, TH)
2.4 GHz band (2.400 0 GHz - 2.483 5 GHz)
Frequency band (LA)
2.4 GHz band (2,400 GHz - 2,483 GHz)
Frequency band/Maximum output power (AEP, UK)
2 400 MHz - 2 483.5 MHz / < 8 dBm

(CH)

频率范围:
2 400 MHz - 2 483.5 MHz
发射功率:
≤20 dBm (EIRP)

(KR)

무선주파수와 출력
무선 주파수: 2 402 MHz - 2 480 MHz
출력: 3 mW

Modulation method
FHSS
Compatible BLUETOOTH profile
A BLUETOOTH profile standardizes functions according to the characteristics of BLUETOOTH devices.
A2DP (Advanced Audio Distribution Profile)
Supported codec
Codec is an audio signal compression and conversion format.
SBC (Subband Codec)
Qualcomm® aptX™ audio
Qualcomm® aptX™ Adaptive audio
Transmission range (A2DP)
20 Hz - 20 000 Hz (Sampling frequency 44.1 kHz)
20 Hz - 40 000 Hz (Sampling frequency aptX Adaptive 96 kHz)

USB section (US, CND, AUS, CH, PX, EA, SP, TW, KR, TH, LA)

Output port
Type B (USB 2.0 Plug-in power)
Power
Powered by computer (DC 5 V 100 mA)

General

Output
AUDIO OUT
Power
DC 5.0 V 2.0 A (using the supplied AC adaptor connected to AC 100 V - 240 V, 50 Hz/60 Hz power supply)
Use the supplied AC adaptor for your turntable, as other adaptors may cause a malfunction.
Power consumption
When using the supplied AC adaptor.
On (Power button is set to ON and the platter keeps rotating): 1.8 W
Low power mode (Power button is set to ON and the platter stops rotating): 0.5 W or less
This product enters low power mode immediately after rotation of the platter is stopped.
Turned off (Power button is set to OFF): 0.3 W or less
Dimensions (W × H × D)
Including projecting parts and controls (When the dust cover is attached)
Approx. 430 mm × 117 mm × 366 mm (17 in × 4 5/8 in × 14 1/2 in)

(CH)

产品的使用条件
环境温度: 5 °C - 35 °C

Mass

When the dust cover is attached.
PS-LX5BT: Approx. 3.6 kg (7 lb 15 oz)
PS-LX3BT: Approx. 3.5 kg (7 lb 12 oz)

AC adaptor (AEP, UK)

Manufacturer's name or trade mark: Sony Corporation
Commercial registration number: 7010401045660
Address: 1-7-1 Konan, Minato-ku, Tokyo, 108-0075 Japan
Model identifier:
The UK/Ireland: FJ-SW7260502000DB
For countries outside the UK/Ireland:
FJ-SW7260502000DE
Input voltage: 100 - 240 V
Input AC frequency: 50/60 Hz
Output voltage - Output current - Output power:
5.0 Vdc - 2.0 A - 10 W
Average active efficiency: 78.7%
No-load power consumption: 0.1 W

(LA)

Datos de alimentación del adaptador de ca
Modelo: FJ-SW7260502000DE
Entrada: ca 100 - 240 V 50/60 Hz 0,4 A
Salida: cc 5,0 V 2,0 A

Included items

- Stereo Turntable System (1)
- Platter (with drive belt) (1)
- Mat for the platter (1)
- Dust cover (1)
- Dust cover hinge (2)
- 45 rpm adaptor (1)
Place the 45 rpm adaptor on the spindle to play a 7-inch (17 cm) vinyl record (EP record).
- AC adaptor (1)
- AC plug adaptor (1) (LA)
This plug adaptor is not for the use in Chile, Paraguay and Uruguay. Use this plug adaptor in the countries/regions where it is necessary.
- Audio cable (1)
Included only with PS-LX5BT
- Documents (1 set)

Design and specifications are subject to change without notice.

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STEREO TURNTABLE SYSTEM

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

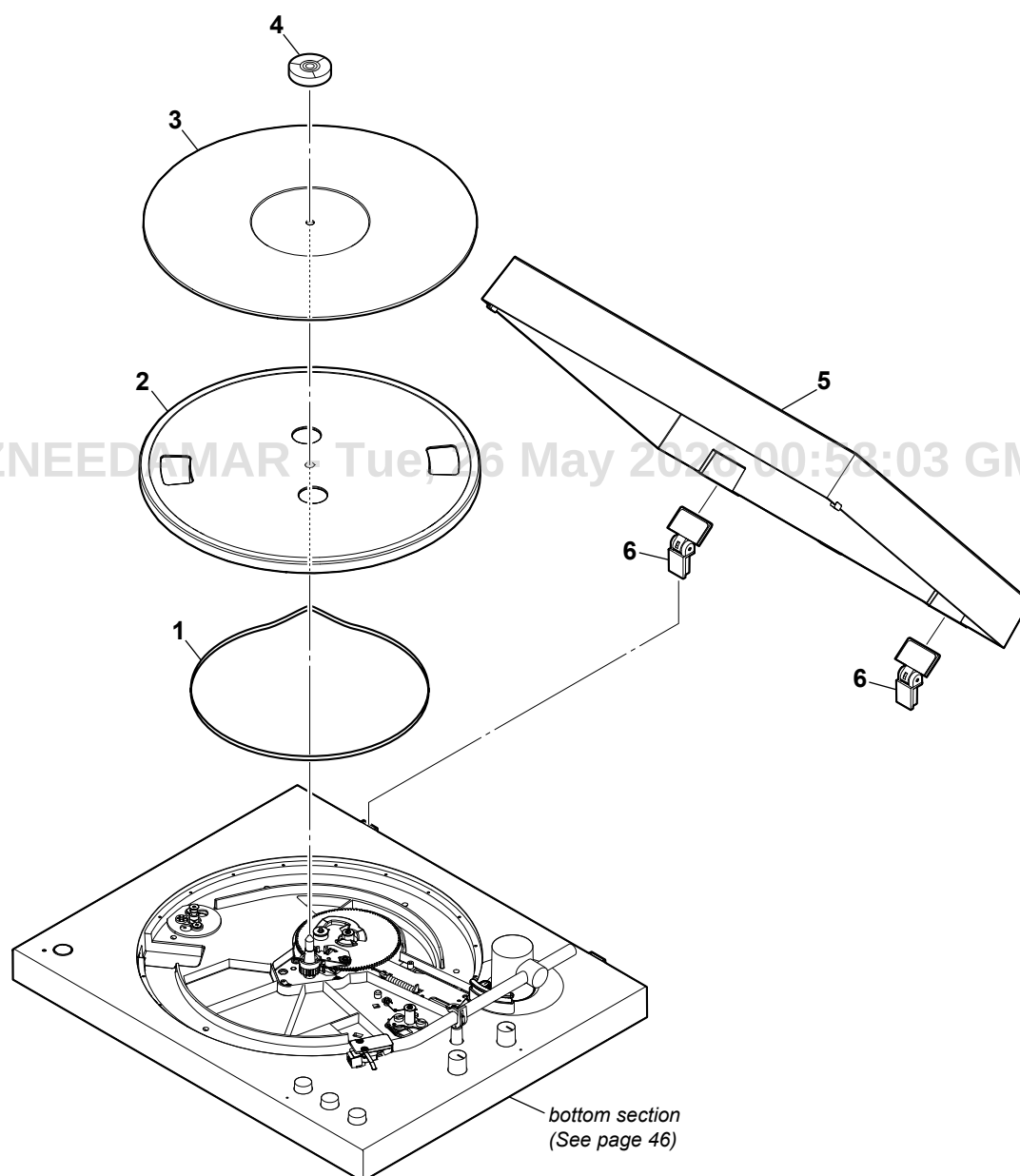
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.
Replace only with part number specified.

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

原理图和零件清单中标有 $\triangle$ 记号的零部件，或带有 $\triangle$ 记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

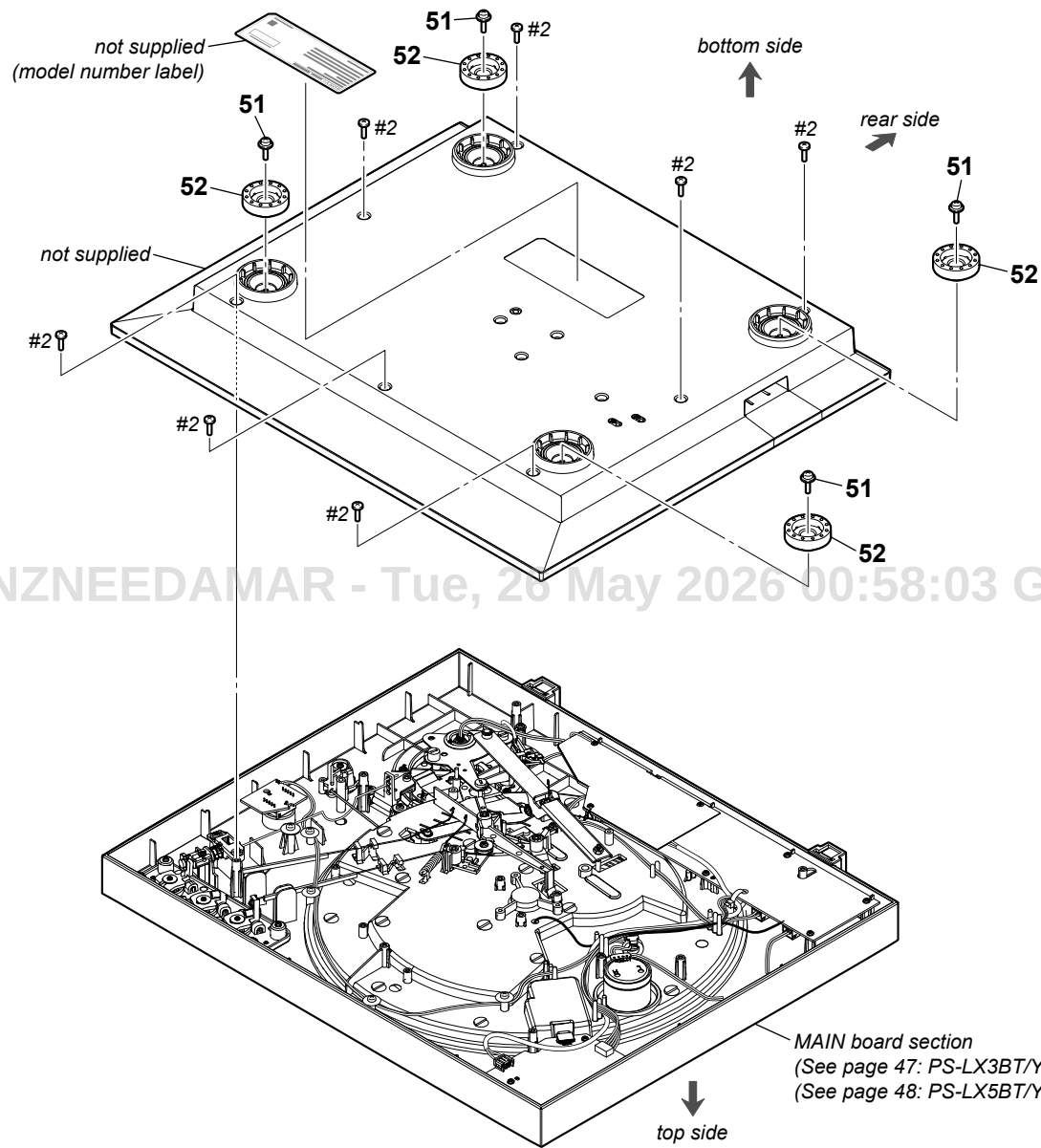
6-1. OVERALL SECTION

Note: This section uses illustrations of the PS-LX5BT/YY2098C to explain.

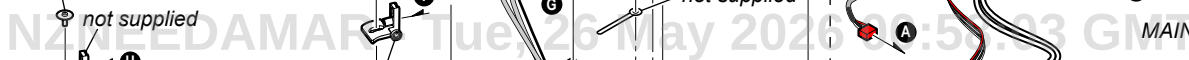


6-2. BOTTOM SECTION

Note: This section uses illustrations of the PS-LX5BT/YY2098C to explain.

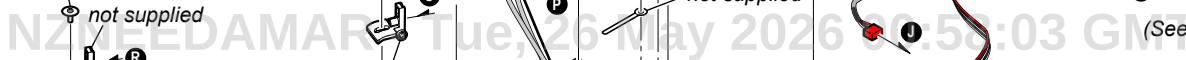


Note 1: This section is the exploded views for the PS-LX3BT/YY2097C. For the exploded views of the PS-LX5BT/YY2098C, refer to page 48.



Note 2: When the complete MAIN board (Ref. No. 101) is replaced with a new board, be sure to refer to “BLUETOOTH CONNECTION CHECKING METHOD” on page 11 and check the BLUETOOTH connection operation.

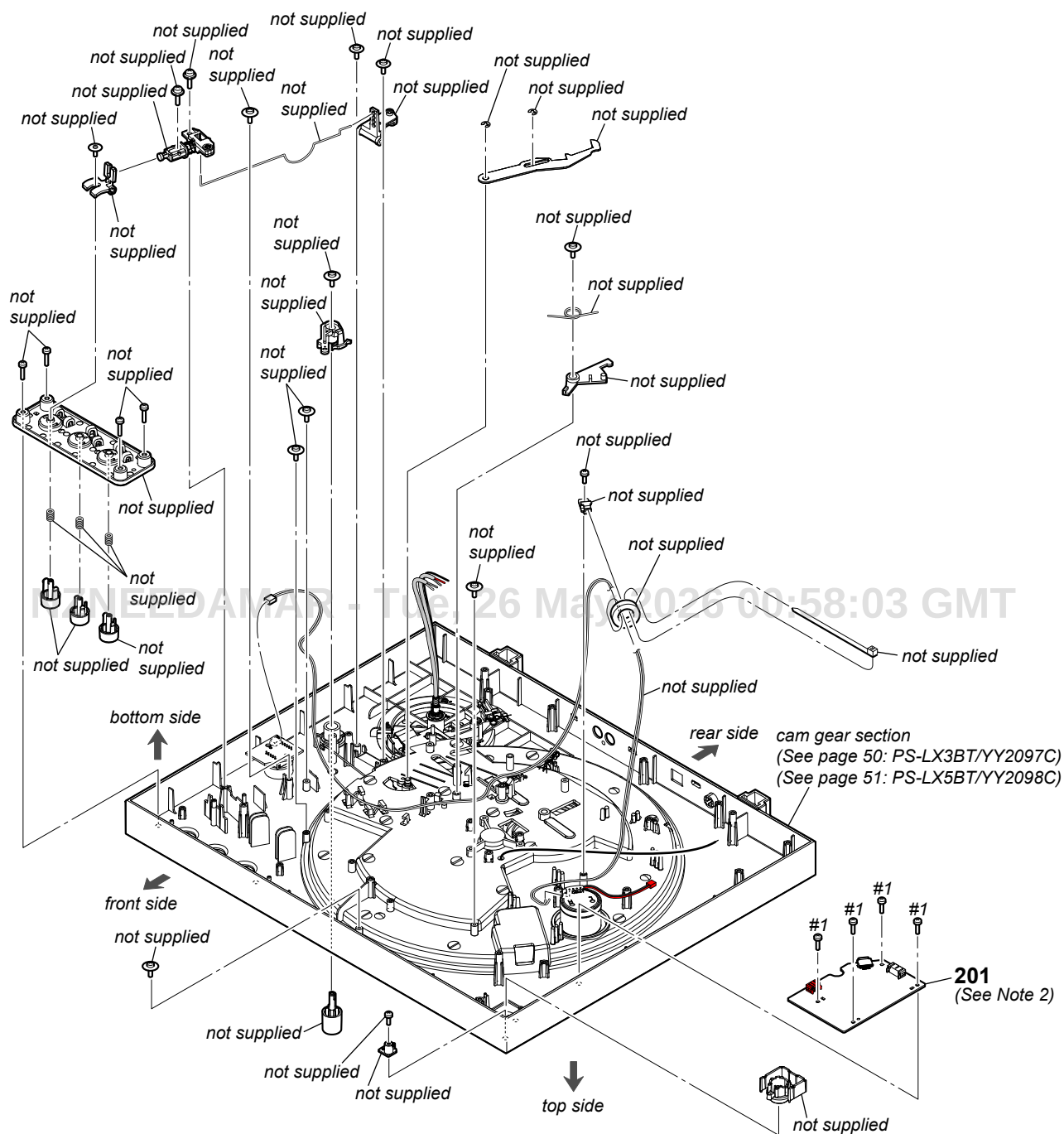
Note 1: This section is the exploded views for the PS-LX5BT/YY2098C. For the exploded views of the PS-LX3BT/YY2097C, refer to page 47.



Note 2: When the complete MAIN board (Ref. No. 151) is replaced with a new board, be sure to refer to “BLUETOOTH CONNECTION CHECKING METHOD” on page 11 and check the BLUETOOTH connection operation.

6-5. BT BOARD SECTION

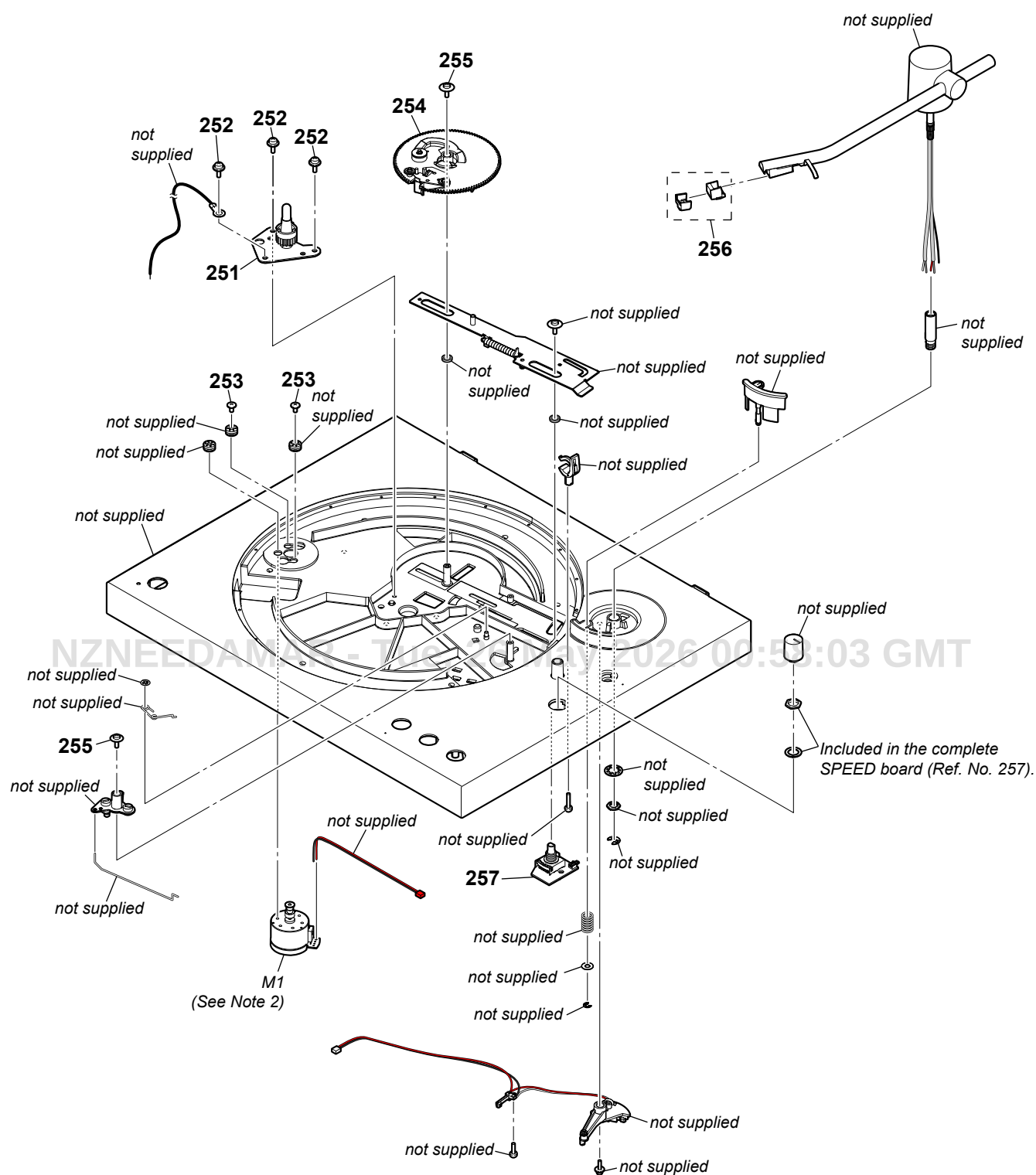
Note 1: This section uses illustrations of the PS-LX5BT/YY2098C to explain.



Note 2: When the complete BT board (Ref. No. 201) is replaced with a new board, be sure to refer to “BLUETOOTH CONNECTION CHECKING METHOD” on page 11 and check the BLUETOOTH connection operation.

6-6. CAM GEAR SECTION (PS-LX3BT/YY2097C)

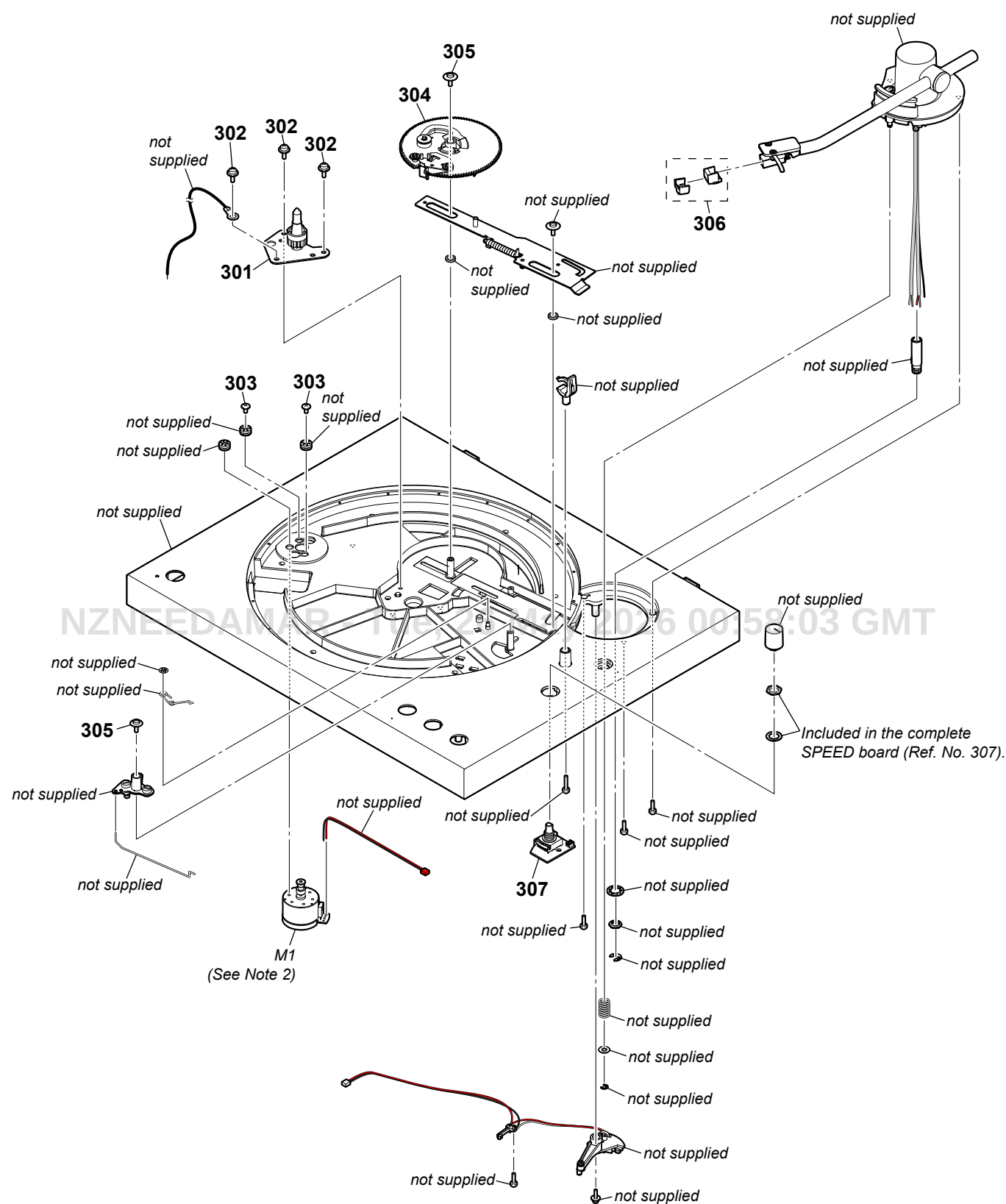
Note 1: This section is the exploded views for the PS-LX3BT/YY2097C. For the exploded views of the PS-LX5BT/YY2098C, refer to page 51.



Note 2: When the DC motor assy (Ref. No. M1) is replaced with a new part, be sure to refer to “SECTION 3 ELECTRICAL ADJUSTMENT” on page 28 and perform the DC motor speed adjustment.

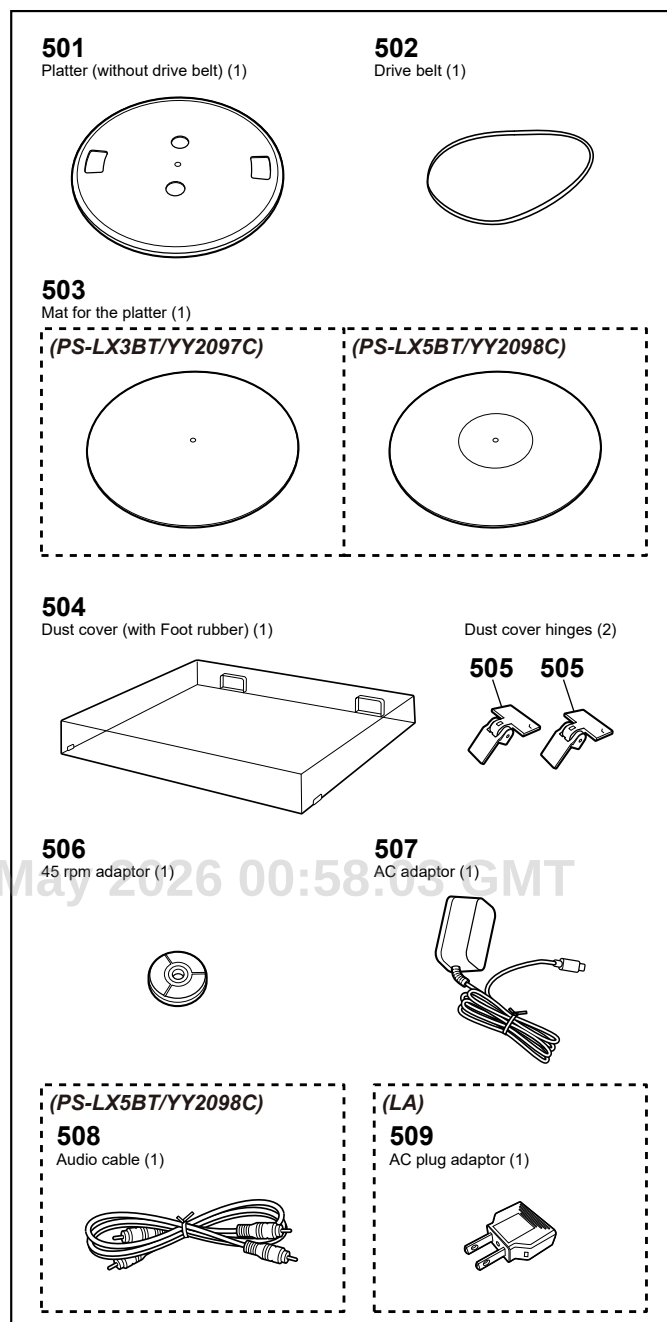
6-7. CAM GEAR SECTION (PS-LX5BT/YY2098C)

Note 1: This section is the exploded views for the PS-LX5BT/YY2098C. For the exploded views of the PS-LX3BT/YY2097C, refer to page 50.



Note 2: When the DC motor assy (Ref. No. M1) is replaced with a new part, be sure to refer to “SECTION 3 ELECTRICAL ADJUSTMENT” on page 28 and perform the DC motor speed adjustment.

SECTION 7 ACCESSORIES



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.

原理图和零件清单中标有 $\triangle$ 记号的零部件，或带有 $\triangle$ 记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

REVISION HISTORY

[illegible]