

WH-1000XM2

SERVICE MANUAL

Ver. 1.0 2017.08



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

SPECIFICATIONS

Except Chinese model

General
Communication system: BLUETOOTH Specification version 4.1
Output: BLUETOOTH Specification Power Class 2
Maximum communication range: Line of sight approx. 10 m (30 ft)¹⁾
Frequency band: 2.4 GHz band (2,400 GHz - 2,483.5 GHz)

(AEP, UK)
Operating frequency: BLUETOOTH 2,400 MHz - 2,483.5 MHz
NFC 13.56 MHz
Maximum output power: BLUETOOTH < 20.0 dBm
NFC < 60 dBµA/m at 10 m

Compatible BLUETOOTH profiles:
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio Video Remote Control Profile)
HFP (Hands-free Profile)
HSP (Headset Profile)
Supported Codec: SBC²⁾, AAC³⁾, LDAC, aptX, aptX HD
Supported content protection method: SCMS-T
Transmission range (A2DP):
20 Hz - 20,000 Hz (Sampling frequency 44.1 kHz)
20 Hz - 40,000 Hz (Sampling frequency LDAC 96 kHz, 990 kbps)
Included items:
Wireless noise canceling stereo headset (1)
Micro-USB cable (approx. 50 cm (19.34 in.)) (1)
Headphone cable (approx. 1.5 m (59.18 in.)) (1)
Carrying case (1)
Plug adaptor for airplane⁴⁾ (1)
Reference Guide (1)
Operating Instructions (1)
Other documents (1 set) (US, CN, DE, AEP, UK, LA)
¹⁾ 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.
²⁾ BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communications between devices.
³⁾ Codec: Audio signal compression and conversion format
⁴⁾ Subband Codec
⁵⁾ Advanced Audio Coding
⁶⁾ Depending on the in-flight entertainment services, it may not be supported.

Wireless noise canceling stereo headset
Power source:
DC 3.7 V Built-in lithium-ion rechargeable battery
DC 5 V When charged using USB
Mass: Approx. 275 g (9.70 oz)
Operating temperature: 0 °C to 40 °C (32 °F to 104 °F)
Usage hours:
When connecting via the BLUETOOTH device
Music playback time:
Max. 30 hours (NC ON), Max. 38 hours (NC OFF)
Communication time:
Max. 30 hours (NC ON), Max. 38 hours (NC OFF)
Standby time:
Max. 40 hours (NC ON), Max. 200 hours (NC OFF)
When connecting via the headphone cable with NC ON:
Max. 40 hours
Note: Usage hours may be shorter depending on the Codec and the conditions of use.

Wireless noise canceling stereo headset

Power source:
DC 3.7 V Built-in lithium-ion rechargeable battery
DC 5 V When charged using USB
Mass: Approx. 275 g (9.70 oz)
Operating temperature: 0 °C to 40 °C (32 °F to 104 °F)
Usage hours:
When connecting via the BLUETOOTH device
Music playback time:
Max. 30 hours (NC ON), Max. 38 hours (NC OFF)
Communication time:
Max. 30 hours (NC ON), Max. 38 hours (NC OFF)
Standby time:
Max. 40 hours (NC ON), Max. 200 hours (NC OFF)
When connecting via the headphone cable with NC ON:
Max. 40 hours
Note: Usage hours may be shorter depending on the Codec and the conditions of use.

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

Chinese model

一般
通讯系统: BLUETOOTH规格4.1版
输出: BLUETOOTH规格功率等级2
最大通讯范围: 直线距离约10 m (30 ft)¹⁾
频率波段: 2.4 GHz波段 (2,400 GHz - 2,483.5 GHz)
频率范围: 2,400 MHz - 2,483.5 MHz
发射功率: < 20 dBm (EIRP)
兼容的BLUETOOTH配置协议:
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio Video Remote Control Profile)
HFP (Hands-free Profile)
HSP (Headset Profile)
支持的编解码器: SBC²⁾, AAC³⁾, LDAC, aptX⁴⁾, aptX HD⁵⁾
支持的内容保护方法: SCMS-T
传输范围 (A2DP):
20 Hz - 20,000 Hz (采样频率44.1 kHz)
20 Hz - 40,000 Hz (采样频率LDAC 96 kHz, 990 kbps)
包装内物品:
无线降噪立体声耳机 (1)
Micro-USB连接线 (约50 cm) (1)
耳机连接线 (约1.5 m) (1)
便携盒 (1)
飞机专用转接头⁴⁾ (1)
参考指南 (1)
使用说明书 (1)
其他文件 (1套)
¹⁾ 实际范围将视设备之间的障碍物、微波炉周围的磁场、静电、接收灵敏度、天线性能、操作系统、软件应用程序等因素而变化。
²⁾ BLUETOOTH标准配置协议是指设备之间BLUETOOTH通讯的目的。
³⁾ 编解码器: 音频信号压缩和转换格式
⁴⁾ 子带编解码器
⁵⁾ 高级音频编码
⁶⁾ 视飞行娱乐服务而定, 可能不支持。
禁止插入



这是用于飞机上的插头转接器, 请不要插入电源插座。

无线降噪立体声耳机

电源:
DC 3.7 V: 内置锂离子电池
DC 5 V: 使用USB充电时
质量: 约275 g
工作温度: 0 °C至40 °C
额定功耗: 3 W

使用时间:
通过BLUETOOTH设备连接时
音乐播放时间:
最多30小时 (降噪关)
最多38小时 (降噪开)
待机时间:
最多30小时 (降噪关)
最多38小时 (降噪开)
在降噪开 (降噪关) 的情况下通过耳机连接连接时:
最多200小时 (降噪关)
最多200小时 (降噪开)
注意: 使用时间可能会较短, 视编解码器和使用状况而定。
充电时间:
约4小时
(充电10分钟后可播放音乐约70分钟。)
注意: 充电时间和使用时间可能会因使用状况而异。
充电温度: 5 °C至35 °C
接收器
类型: 封闭式, 动态
驱动单元: 40 mm
频率响应:
4 Hz - 40,000 Hz (JEITA) (在本机开启的情况下通过耳机连接连接时)
14 Hz (1 kHz) (在本机关闭的情况下通过耳机连接连接时)
阻抗:
48 Ω (1 kHz) (在本机关闭的情况下通过耳机连接连接时)
14 Ω (1 kHz) (在本机关闭的情况下通过耳机连接连接时)
灵敏度:
103 dB/mW (在本机关闭的情况下通过耳机连接连接时)
88 dB/mW (在本机关闭的情况下通过耳机连接连接时)
麦克风
类型: 驻极体电容器
指向性: 全指向
有效频率范围: 50 Hz - 8,000 Hz

使用USB对电池充电的系统要求

USB交流电源适配器
请使用额定电压为1.5 A、5 A的市售USB交流电源适配器
(使用供电量为1.5 A的USB交流电源适配器可缩短充电时间)
个人电脑
(截止至2017年8月)
预装以下任一操作系统和USB端口的个人电脑:
操作系统
(当使用Windows时)
Windows® 10 Home / Windows® 10 Pro
Windows® 8.1 / Windows® 8.1 Pro
Windows® 8 / Windows® 8 Pro
Windows® 7
Home Basic / Home Premium / Professional / Ultimate
(当使用Mac时)
Mac OS X (10.9或更高版本)
设计和规格如有变更, 恕不另行通知。

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警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

WIRELESS NOISE CANCELING STEREO HEADSET

9-896-427-01

2017H33-1

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SECTION 1 SERVICING NOTES

The **SERVICING NOTES** contains important information for servicing. Be sure to read this section before repairing the unit.

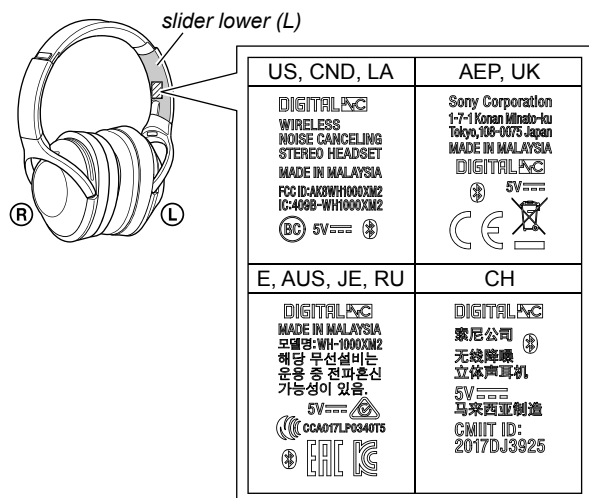
DESTINATION ABBREVIATIONS

The following abbreviations for model destinations are used in this service manual.

- Abbreviations
 - AUS : Australian and New Zealand models
 - CH : Chinese model
 - CND : Canadian model
 - JE : Tourist model
 - LA : Latin American model
 - RU : Russian (CIS area: Except for Moldova) model

MODEL IDENTIFICATION

By the print contents on the slider lower (L) of L-ch, it can distinguish the destination of this unit.



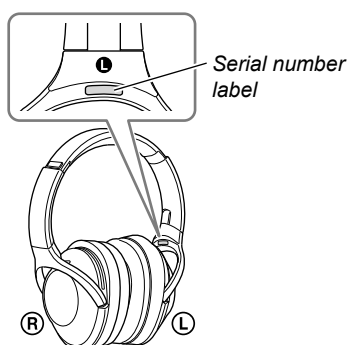
COLOR VARIATIONS

- (B) Black
- (N) Champagne Gold

CHECKING THE SERIAL NUMBER

The serial number can be checked with the label that is pasted inside of left hanger.

Refer to the following figure.



NOTES FOR REPAIR OF BOARDS

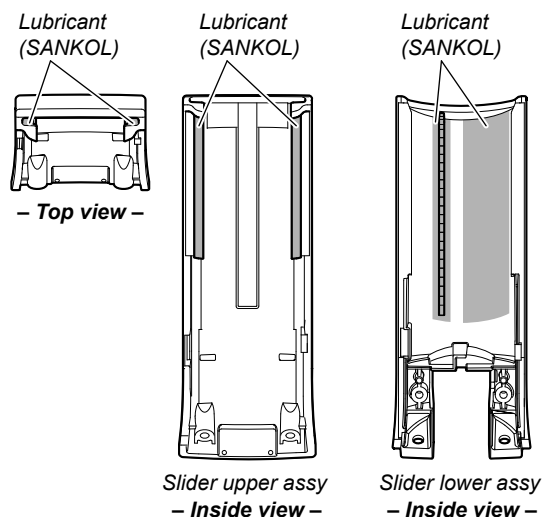
When boards installed in this unit are defective, it is replaced by the board.

Replace the complete mounted board or the whole parts including the applicable board.

HANDLING OF SLIDER UPPER ASSY AND SLIDER LOWER ASSY BY LUBRICANT APPLICATION

Lubricant (SANKOL) is applied to the slider upper assy and slider lower assy. Be careful when handling so that you do not touch the portion applied with the lubricant (SANKOL).

Lubricant (SANKOL) application position:



RESET METHOD

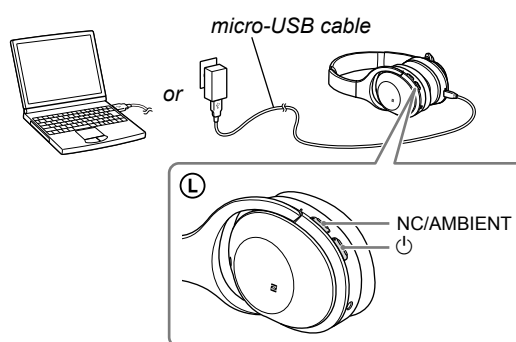
When resetting this unit, operate by following procedure.

Note: Even if this work is performed, device pairing information is not deleted.

Procedure:

1. Connect this unit to a booted PC or optional USB AC adaptor using the supplied micro-USB cable, set the charge status.
2. Press the [C] and [NC/AMBIENT] buttons simultaneously.
3. This unit be reset.

Connection:



INITIALIZING METHOD

After completion of repairs, be sure to perform the following procedure to initialize this unit.

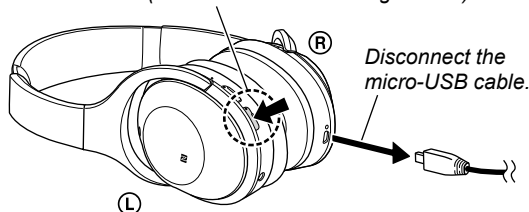
Note 1: When this work is performed, all device pairing information is deleted and settings return to factory defaults.

Procedure:

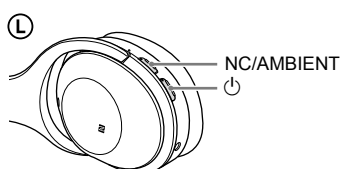
1. Check that the micro-USB cable is not connected to this unit, and turn off the power.

Note 2: If already power is turned off, check the micro-USB cable is not connected, proceed to step 2.

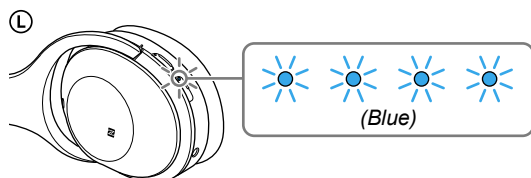
Press the [P] button to turn the power off.
(Check that indicator is lighted off)



2. Press the [P] and the [NC/AMBIENT] buttons on the left channel side simultaneously for 7 seconds or longer.



3. The left channel side indicator (blue) flashes 4 times and the settings return to factory defaults.



Note 3: When this unit is initialized, it might not be able to connect to iPhone or PC.
In that case, delete the registration of this unit on iPhone or PC, register the device again.

NOTES ON DISASSEMBLY

The precise noise canceling function of this unit is adjusted in the production process.

Therefore, it is not possible to disassemble the portion affecting the adjustment of the noise canceling function or to replace the parts affecting it.

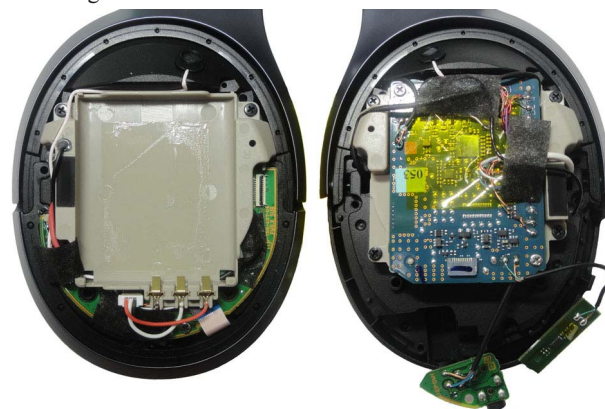
(It is not possible to adjust the noise canceling function)

Refer to the following for repairing and replacing the main parts.

Disassembly Prohibited Portion

Left and right housing interior, do not disassemble of the latter than the status of following figure.

If disassembling this unit to the latter than the status shown in the figure below, malfunction will occur in adjustment of the noise canceling function.



– **Right housing interior** –
Disassembly of parts other than ornament and lithium ion battery are prohibited.

– **Left housing interior** –
Disassembly of parts other than ornament, lower cover (L), button, jack and L KEY board are prohibited.

Repairing and Replacing of Disassembly Prohibited Portion

When parts of disassembly prohibited portion are defective, replacing by the SVX headphone assy (EXPLODED VIEWS: Ref. No. HPN1).

Note 1: When the Ref. No. HPN1 is replaced, the serial number changes.



SVX headphone assy
(EXPLODED VIEWS: Ref. No. HPN1)

Repairing and Replacing of Headband Block

Only the headband block cannot be repaired and replaced.

If it need to replace the headband block, replacing by the SVX headphone assy (EXPLODED VIEWS: Ref. No. HPN1).

Note 2: When the Ref. No. HPN1 is replaced, the serial number changes.

Note 3: A portion of the slider parts can be replace with single part. Refer to the exploded views for details.

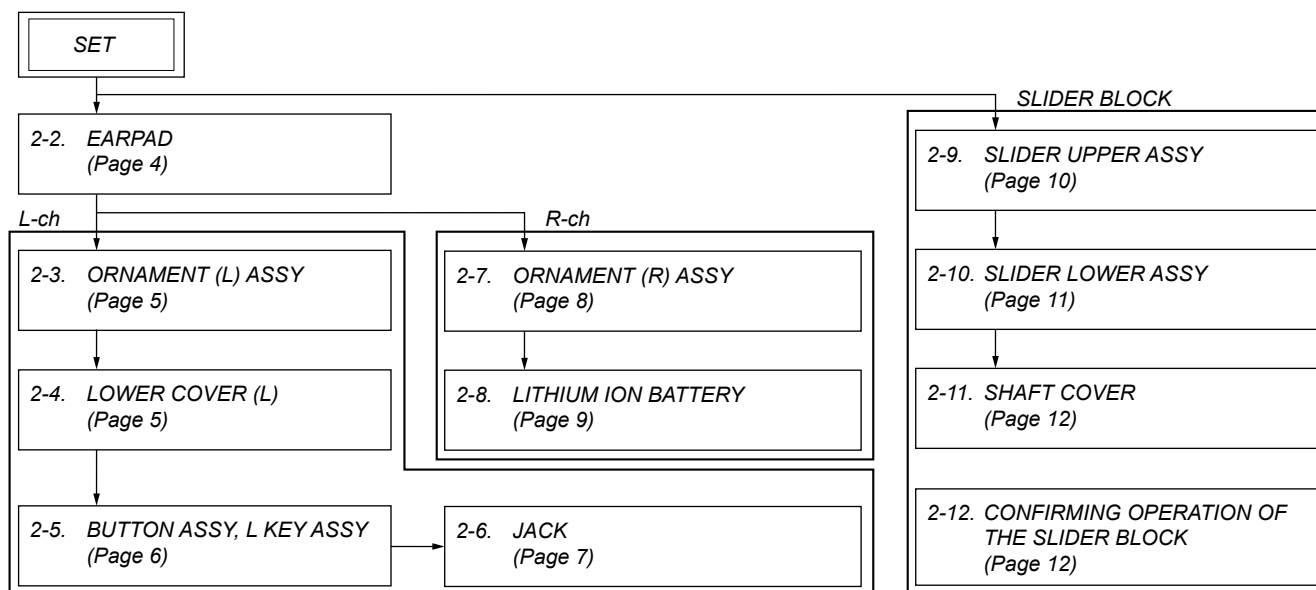


SVX headphone assy
(EXPLODED VIEWS: Ref. No. HPN1)

SECTION 2 DISASSEMBLY

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

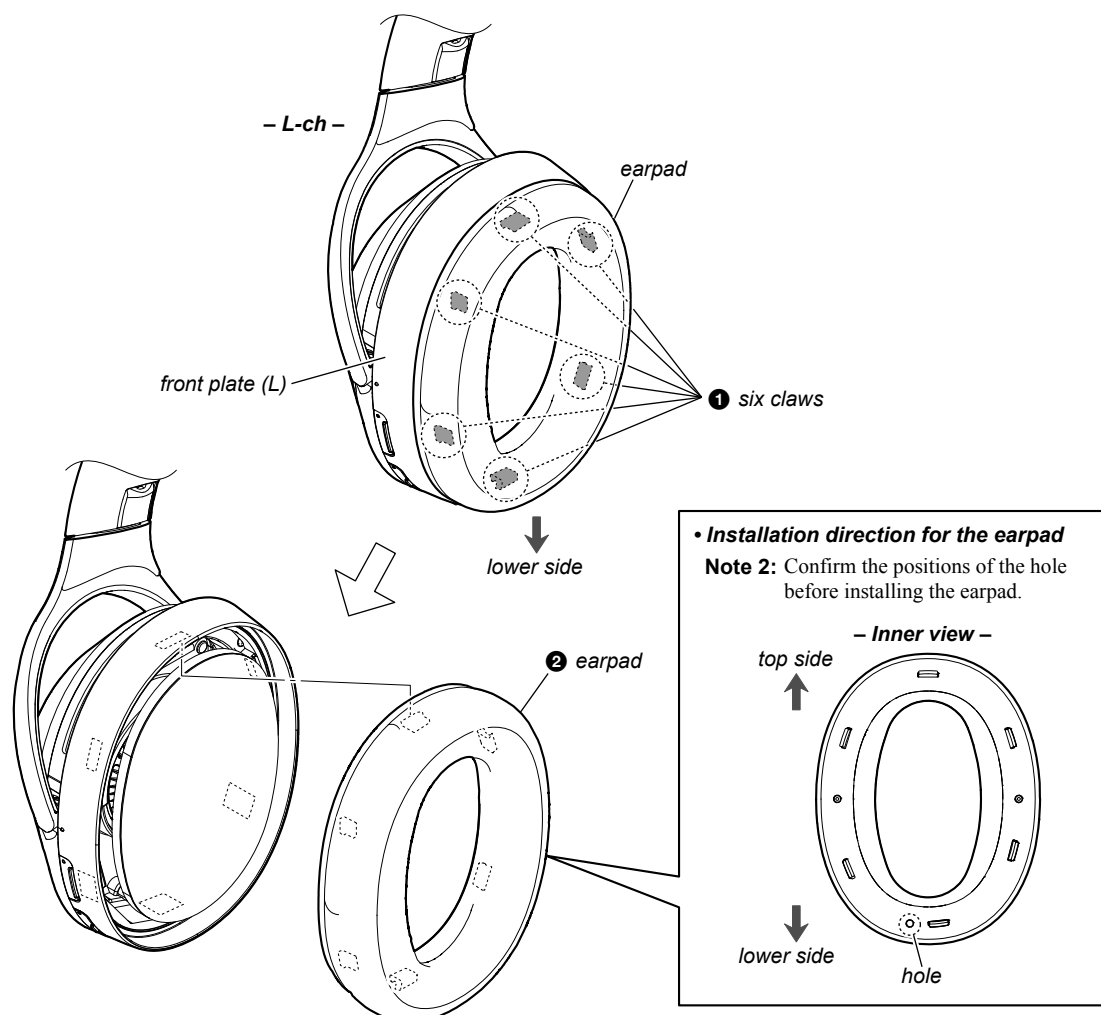
2-1. DISASSEMBLY FLOW



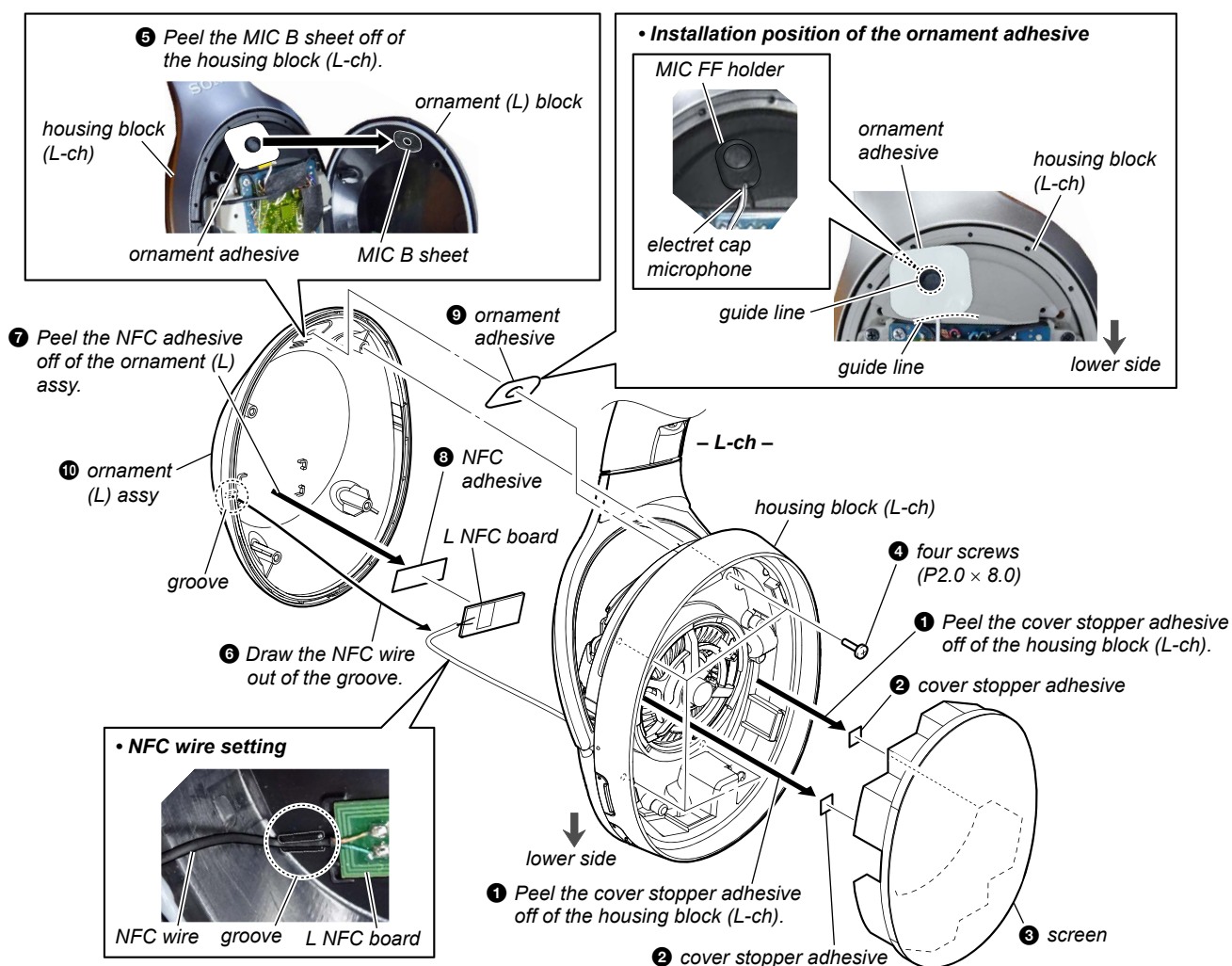
Note: Follow the disassembly procedure in the numerical order given.

2-2. EARPAD

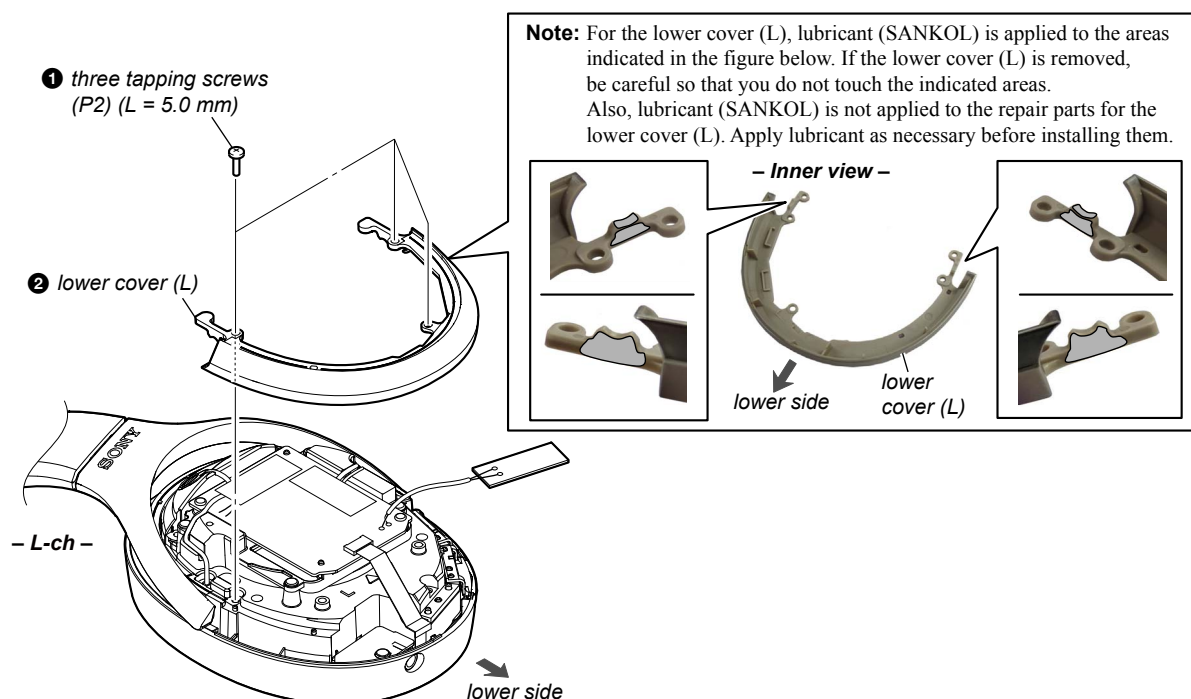
Note 1: The left and right earpads can be removed using the same procedure.
This explanation uses illustrations from the left side.



2-3. ORNAMENT (L) ASSY (L-CH)



2-4. LOWER COVER (L) (L-CH)

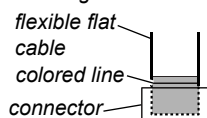


2-5. BUTTON ASSY, L KEY ASSY (L-CH)

- **How to install the flexible flat cable**
When installing the flexible flat cable, ensure that the colored line is parallel to the connector after insertion.

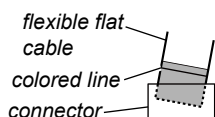
OK

Insert straight into the interior.



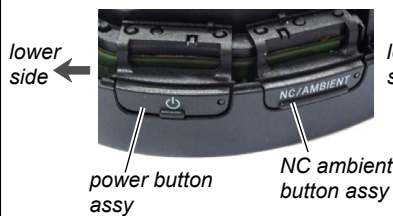
NG

Insert at a slant.

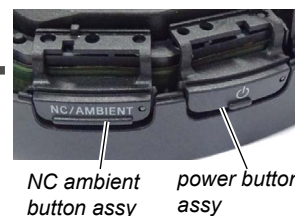


• Installation position of the button assy

OK



NG

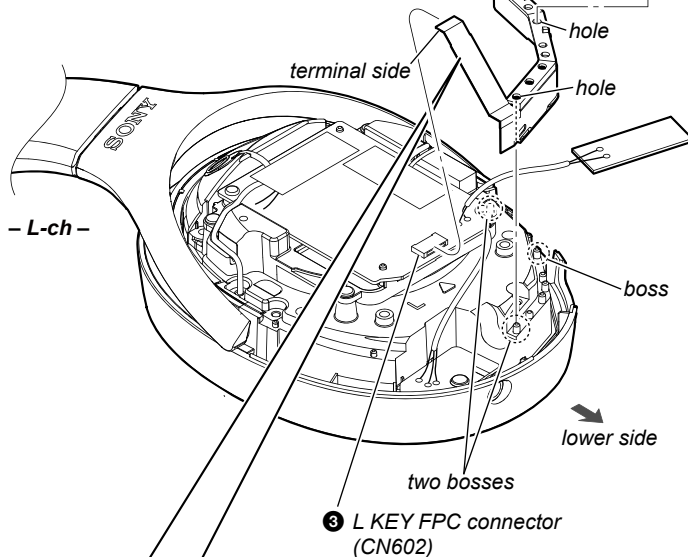


① NC ambient button assy

② power button assy

④ L KEY assy

Note: When installing the L KEY assy, align the three bosses and three holes.

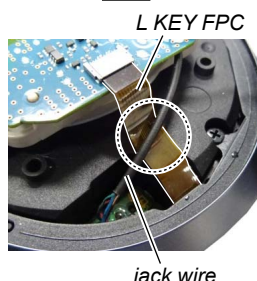


• L KEY FPC setting

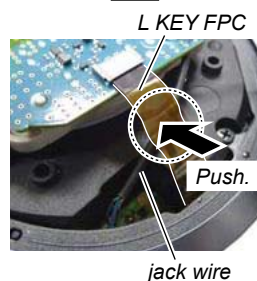
OK



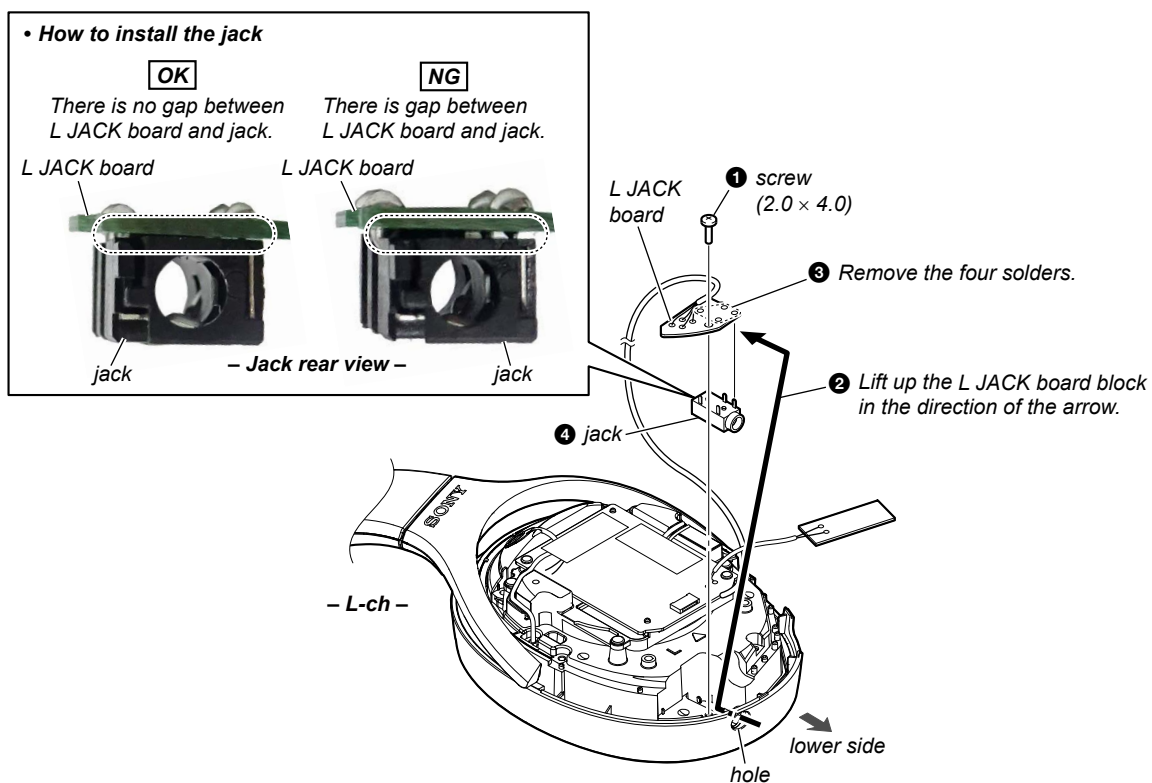
NG



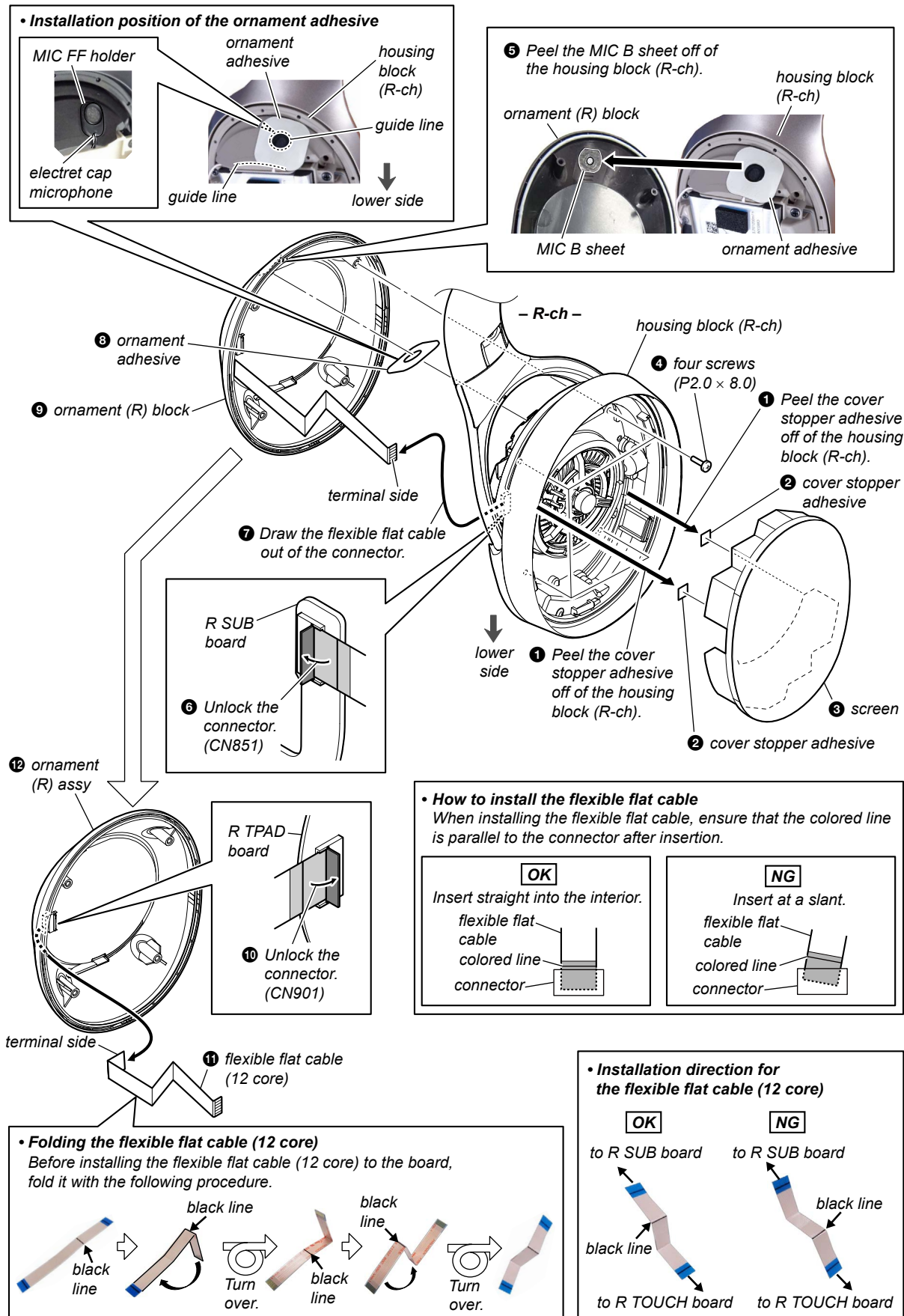
NG



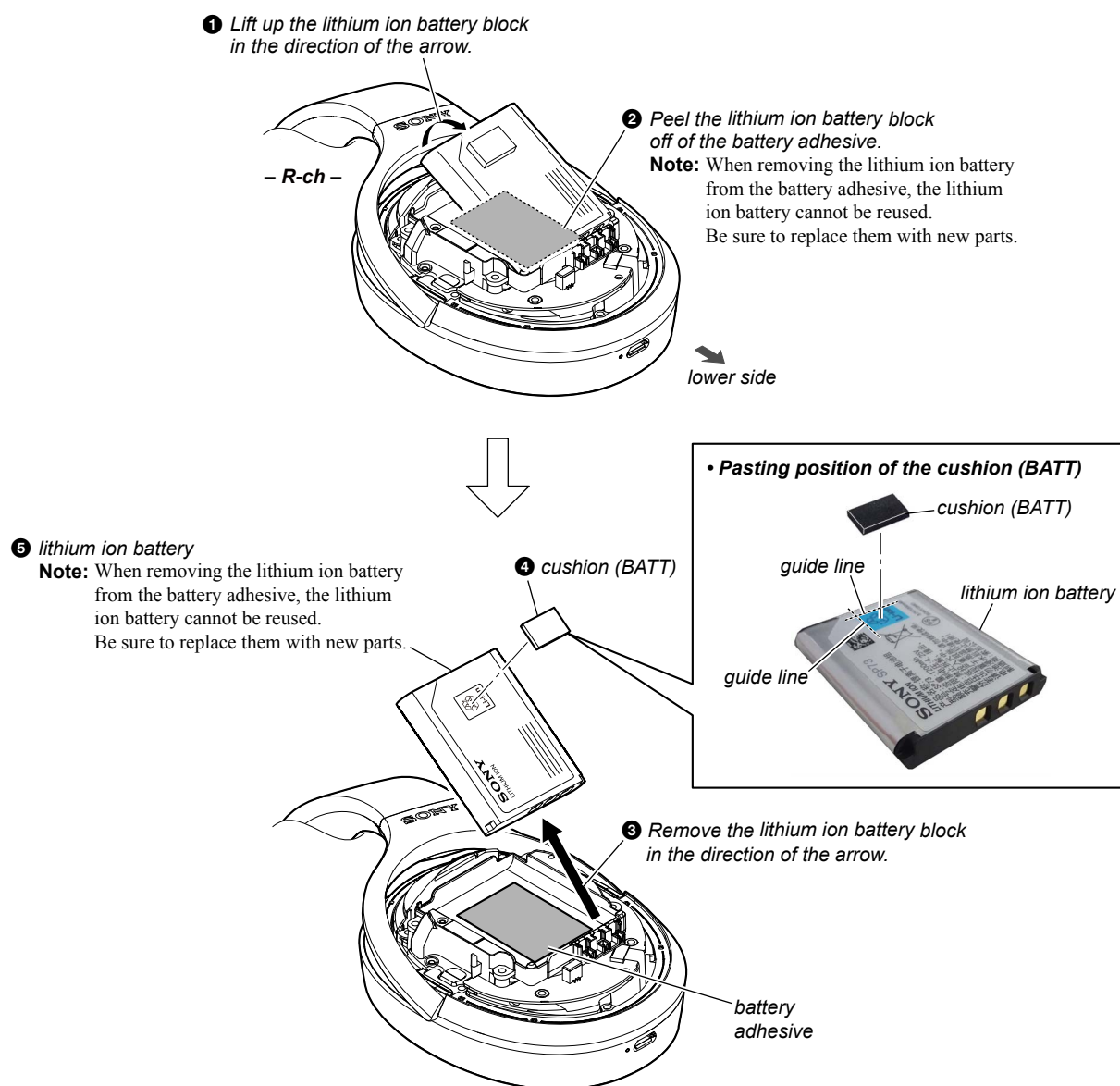
2-6. JACK (L-CH)



2-7. ORNAMENT (R) ASSY (R-CH)



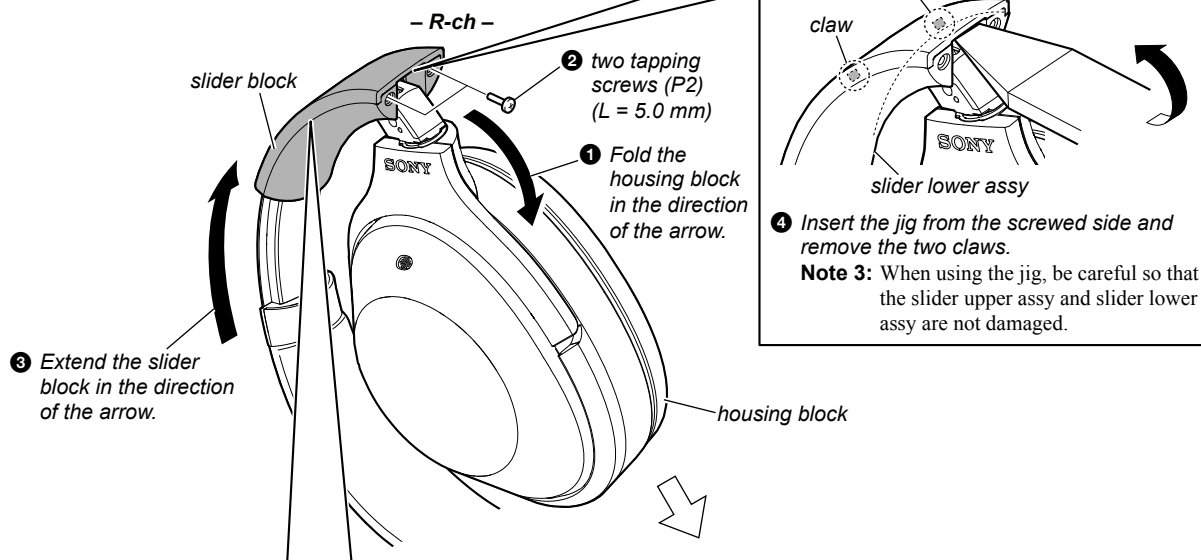
2-8. LITHIUM ION BATTERY (R-CH)



2-9. SLIDER UPPER ASSY

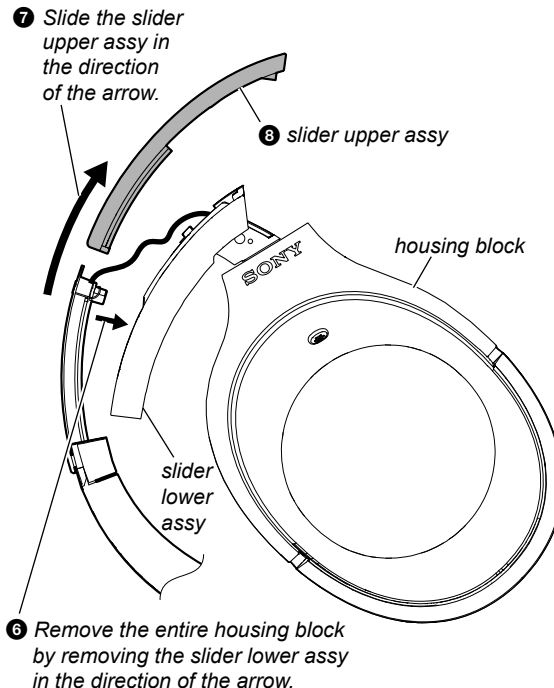
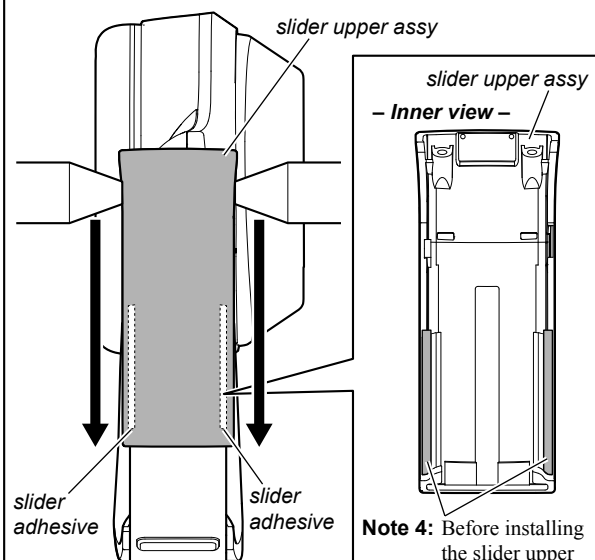
Note 1: The left and right slider upper assys can be removed using the same procedure. This explanation uses illustrations from the right side.

Note 2: Lubricant (SANKOL) is applied to the slider upper assy and slider lower assy. Be careful when handling so that you do not touch the portion applied with the lubricant (SANKOL). For the application location of the lubricant (SANKOL), refer to "HANDLING OF SLIDER UPPER ASSY AND SLIDER LOWER ASSY BY LUBRICANT APPLICATION" on page 2.



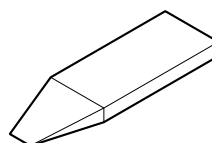
5 Insert the jig into both sides and move it in the direction of the arrows to peel off the slider adhesive.

Note 3: When using the jig, be careful so that the slider upper assy and slider lower assy are not damaged.



• JIG
When disassembling the unit, use the following jig.

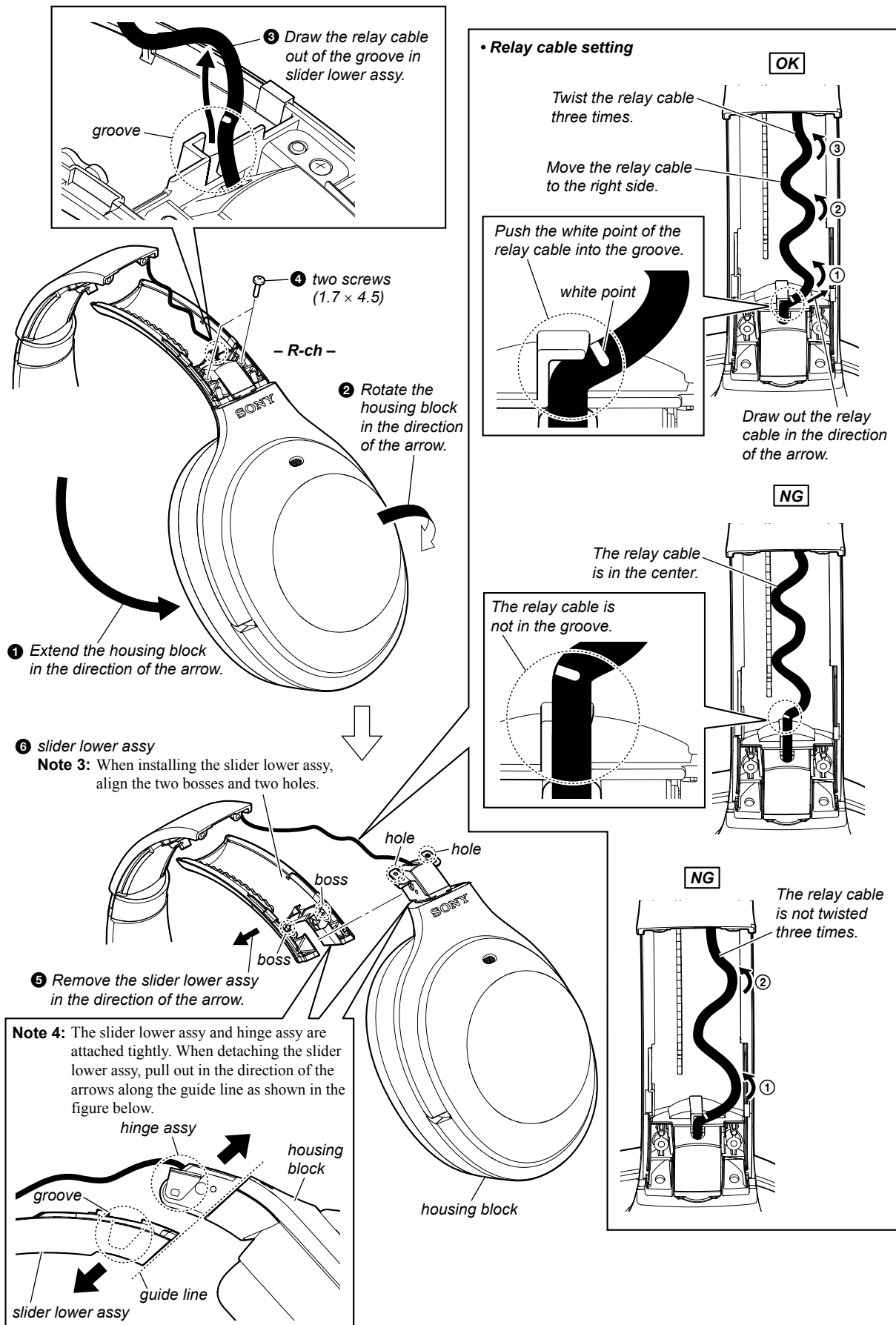
Part No.	Description
9-913-402-33	TOOL FOR DISASSEMBLING



2-10. SLIDER LOWER ASSY

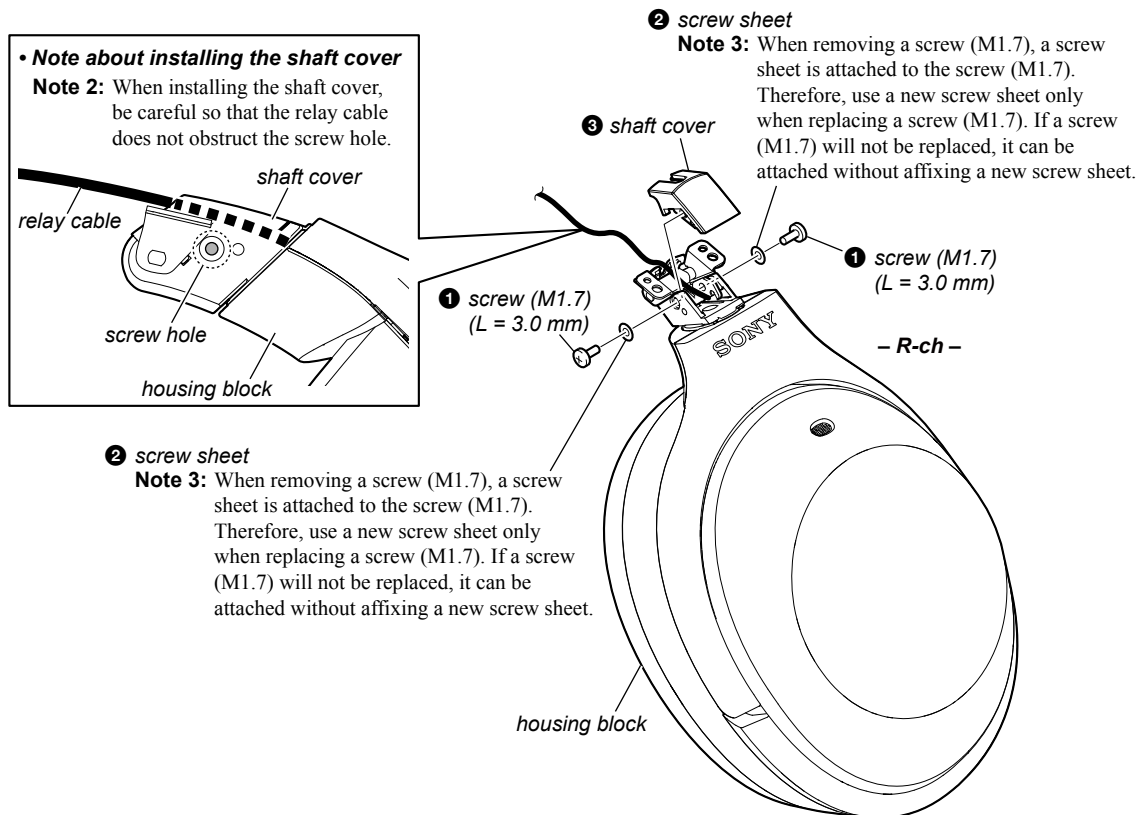
Note 1: The left and right slider lower assys can be removed using the same procedure. This explanation uses illustrations from the right side.

Note 2: Lubricant (SANKOL) is applied to the slider lower assy. Be careful when handling so that you do not touch the portion applied with the lubricant (SANKOL). For the application location of the lubricant (SANKOL), refer to "HANDLING OF SLIDER UPPER ASSY AND SLIDER LOWER ASSY BY LUBRICANT APPLICATION" on page 2.



2-11. SHAFT COVER

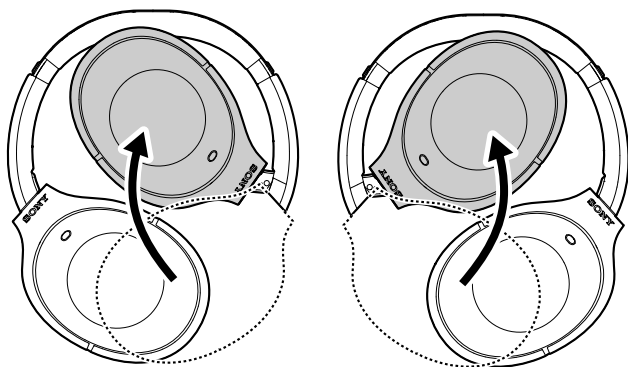
Note 1: The left and right shaft covers can be removed using the same procedure.
This explanation uses illustrations from the right side.



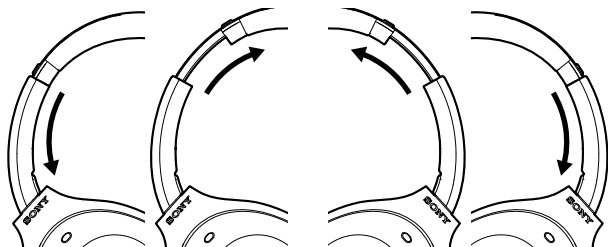
2-12. CONFIRMING OPERATION OF THE SLIDER BLOCK

- If the slider upper assy, slider lower assy, and shaft cover were replaced, make sure to confirm the operations below.

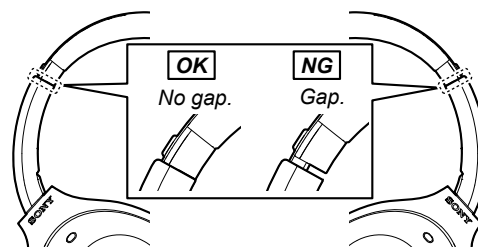
1. The left and right housing blocks fold smoothly.



2. The left and right slider portion slide without resistance.



3. There are no gaps when the slider portion are closed.



SECTION 3

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.

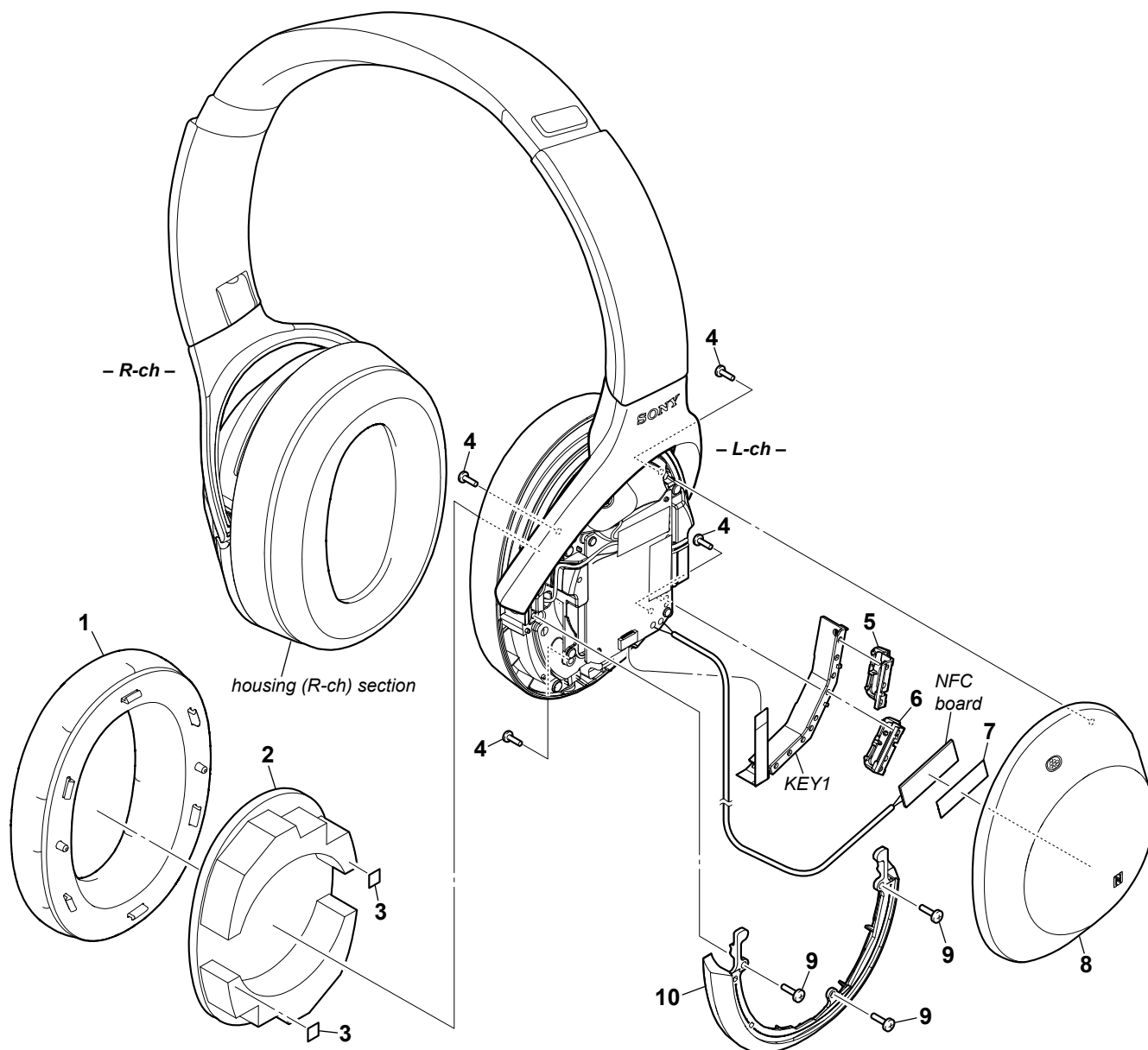
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:

- Refer to “COLOR VARIATIONS” on page 2 about color variation of the unit.

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

Parts Color Cabinet's Color

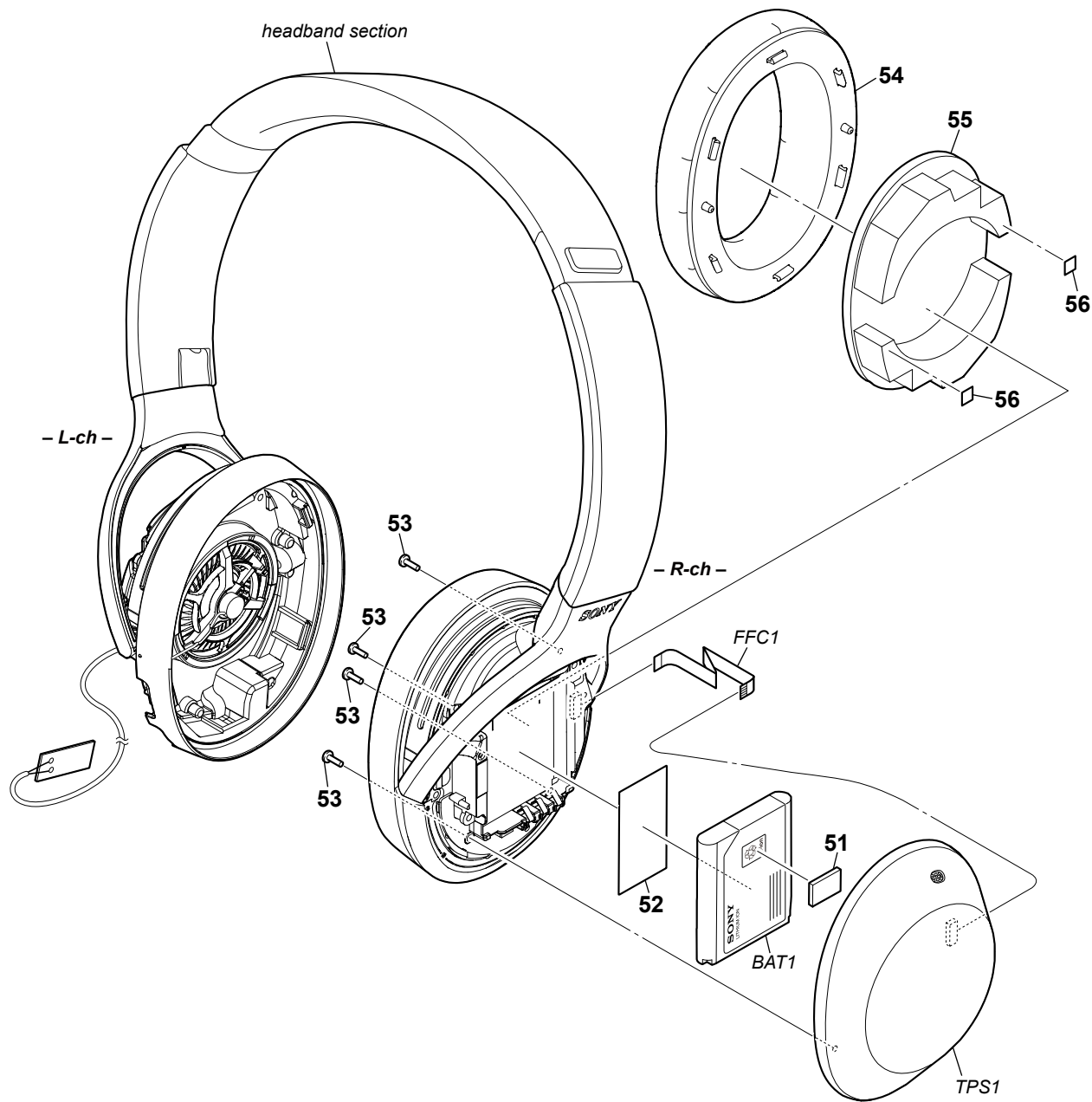
3-1. HOUSING (L-CH) SECTION



<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
1	X-2593-517-1	EARPAD, BLACK (for Black)	
1	X-2593-518-1	EARPAD, BROWN (for Champagne Gold)	
2	4-594-808-01	SCREEN (BLACK) (for Black)	
2	4-594-808-11	SCREEN (GRAY) (for Champagne Gold)	
3	4-590-623-01	ADHESIVE, COVER STOPPER	
4	3-254-081-11	SCREW (P2.0X8.0 mm)	
5	X-2594-908-1	BUTTON, NC AMBIENT ASSY (NC/AMBIENT)	(for Black)
5	X-2594-909-1	BUTTON, NC AMBIENT ASSY (NC/AMBIENT)	(for Champagne Gold)
6	X-2594-910-1	BUTTON, POWER ASSY (♣) (for Black)	
6	X-2594-911-1	BUTTON, POWER ASSY (♣) (for Champagne Gold)	

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
7	4-590-577-01	ADHESIVE, NFC	
8	A-2196-989-A	ORNAMENT (L) ASSY, SVX (L-ch) (Including MIC mesh, MIC sheet) (for Black)	
8	A-2196-990-A	ORNAMENT (L) ASSY, SVX (L-ch) (Including MIC mesh, MIC sheet) (for Champagne Gold)	
9	3-080-206-21	SCREW, TAPPING, P2 (L = 5.0 mm)	
10	4-590-568-21	COVER, LOWER (L) (L-ch) (for Black)	
10	4-590-568-31	COVER, LOWER (L) (L-ch) (for Champagne Gold)	
KEY1	A-2196-991-A	L KEY ASSY, SVX (Including L KEY board, KEY PWB holder)	

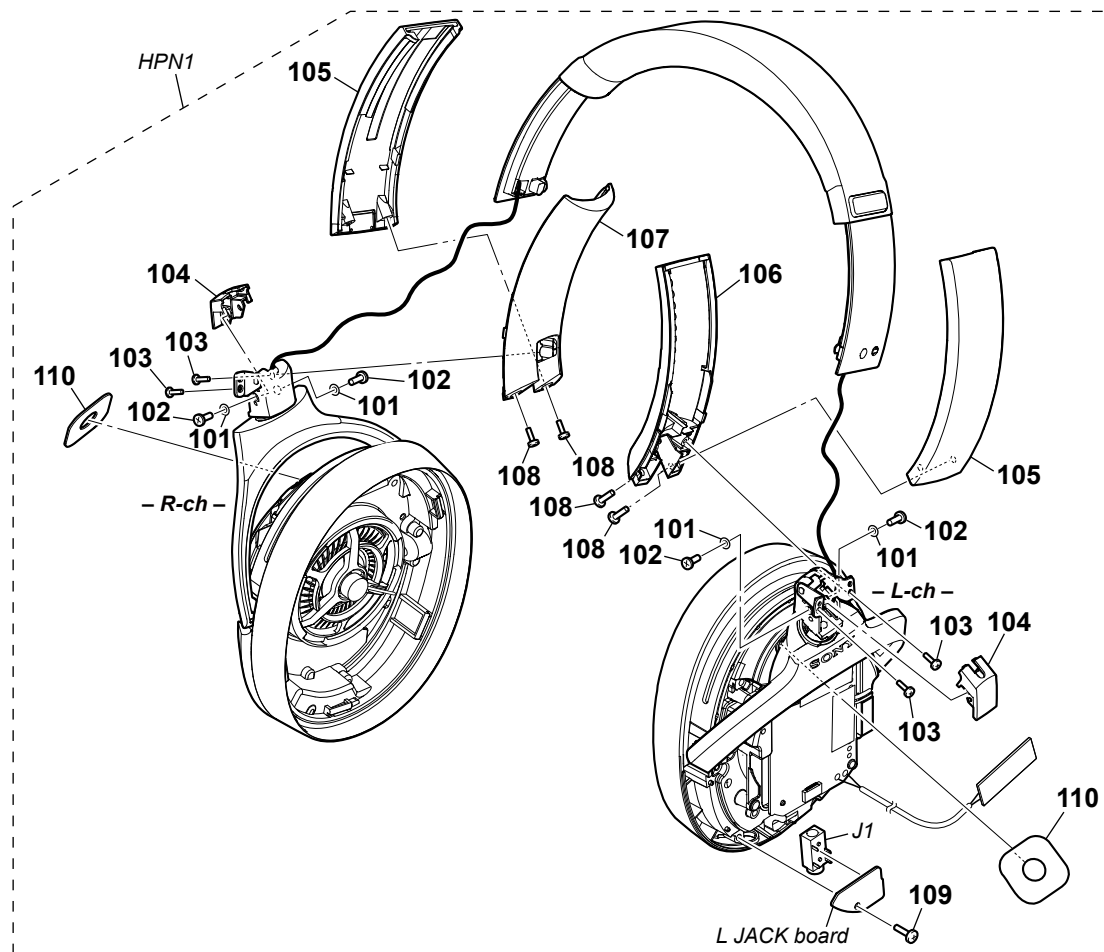
3-2. HOUSING (R-CH) SECTION



Note: When removing the lithium ion battery (Ref. No. BAT1) from the battery adhesive (Ref. No. 52), the lithium ion battery (Ref. No. BAT1) cannot be reused. Be sure to replace them with new parts.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-546-021-02	CUSHION (BATT)		FFC1	1-912-114-11	FLEXIBLE FLAT CABLE (12 CORE)	
52	4-590-590-01	ADHESIVE, BATTERY		TPS1	A-2197-002-A	ORNAMENT (R) ASSY, SVX (R-ch) (Including R TOUCH board, MIC mesh, MIC sheet, Touch adhesive) (for Black)	
53	3-254-081-11	SCREW (P2.0X8.0 mm)		TPS1	A-2197-003-A	ORNAMENT (R) ASSY, SVX (R-ch) (Including R TOUCH board, MIC mesh, MIC sheet, Touch adhesive) (for Champagne Gold)	
54	X-2593-517-1	EARPAD, BLACK (for Black)					
54	X-2593-518-1	EARPAD, BROWN (for Champagne Gold)					
55	4-594-808-01	SCREEN (BLACK) (for Black)					
55	4-594-808-11	SCREEN (GRAY) (for Champagne Gold)					
56	4-590-623-01	ADHESIVE, COVER STOPPER					
BAT1	1-853-676-21	BATTERY, STORAGE, LITHIUM ION (SP73)	(See Note)				

3-3. HEADBAND SECTION



Note: 1 Lubricant (SANKOL) is applied to the Ref. No. 105, 106 and 107. Be careful when handling so that you do not touch the portion applied with the lubricant (SANKOL). For the application location of the lubricant (SANKOL), refer to "HANDLING OF SLIDER UPPER ASSY AND SLIDER LOWER ASSY BY LUBRICANT APPLICATION" on page 2.

Note: 2 When the Ref. No. HPN1 is replaced, the serial number changes.

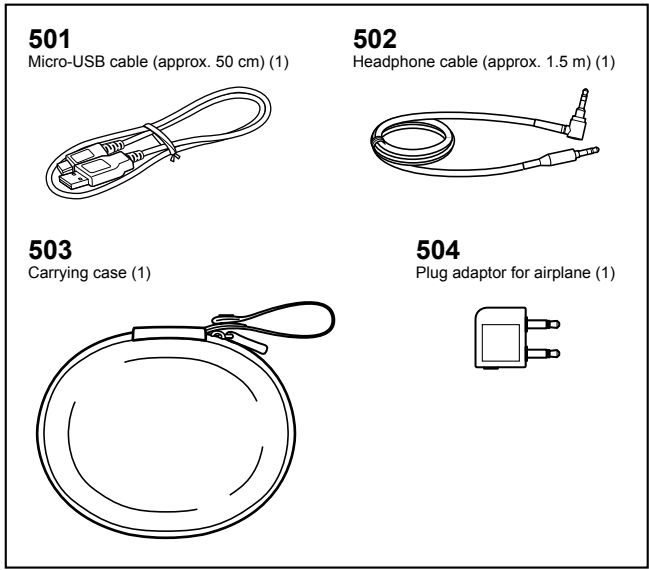
Ref. No. HPN1: Includes the Headband assy, Driver, Electret cap microphone, L MAIN board, L NFC board, L JACK board, R SUB board and R USB board.

Ref. No.	Part No.	Description	Remark
101	4-687-881-01	SHEET, SCREW	
102	3-254-148-11	SCREW (M1.7) (L = 3.0 mm)	
103	3-254-083-11	SCREW (1.7X4.5 mm)	
104	4-697-146-01	COVER, SHAFT (for Black)	
104	4-697-146-11	COVER, SHAFT (for Champagne Gold)	
105	A-2197-910-A	SLIDER UPPER ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Black) (See Note 1)	
105	A-2197-911-A	SLIDER UPPER ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Champagne Gold) (See Note 1)	
106	A-2197-916-A	SLIDER LOWER (L) ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Black) (CH) (See Note 1)	
106	A-2197-917-A	SLIDER LOWER (L) ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Champagne Gold) (CH) (See Note 1)	
106	A-2197-918-A	SLIDER LOWER (L) ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Black) (E, AUS, JE, RU) (See Note 1)	
106	A-2197-919-A	SLIDER LOWER (L) ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Champagne Gold) (E, AUS, JE, RU) (See Note 1)	
106	A-2197-920-A	SLIDER LOWER (L) ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Black) (US, CND, LA) (See Note 1)	
106	A-2197-921-A	SLIDER LOWER (L) ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Champagne Gold) (US, CND, LA) (See Note 1)	

Ref. No.	Part No.	Description	Remark
106	A-2197-922-A	SLIDER LOWER (L) ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Black) (AEP, UK) (See Note 1)	
106	A-2197-923-A	SLIDER LOWER (L) ASSY, SVX (Including Sheet, Cushion, Adhesive sheet, Apply SANKOL) (L-ch for Champagne Gold) (AEP, UK) (See Note 1)	
107	A-2197-912-A	SLIDER LOWER (R) ASSY, SVX (Apply SANKOL) (R-ch for Black) (See Note 1)	
107	A-2197-913-A	SLIDER LOWER (R) ASSY, SVX (Apply SANKOL) (R-ch for Champagne Gold) (See Note 1)	
108	3-080-206-21	SCREW, TAPPING, P2 (L = 5.0 mm)	
109	3-254-029-01	SCREW (P2.0X4.0 mm)	
110	4-697-155-01	ADHESIVE, ORNAMENT	
HPN1	A-2196-994-A	HEADPHONES ASSY, SVX (for Black) (CH) (See Note 2)	
HPN1	A-2196-995-A	HEADPHONES ASSY, SVX (for Champagne Gold) (CH)	
HPN1	A-2196-996-A	HEADPHONES ASSY, SVX (for Black) (E, AUS, JE, RU)	
HPN1	A-2196-997-A	HEADPHONES ASSY, SVX (for Champagne Gold) (E, AUS, JE, RU)	
HPN1	A-2196-998-A	HEADPHONES ASSY, SVX (for Black) (US, CND, LA)	
HPN1	A-2196-999-A	HEADPHONES ASSY, SVX (for Champagne Gold) (US, CND, LA)	
HPN1	A-2197-000-A	HEADPHONES ASSY, SVX (for Black) (AEP, UK)	
HPN1	A-2197-001-A	HEADPHONES ASSY, SVX (for Champagne Gold) (AEP, UK)	
J1	1-779-881-11	JACK (INPUT)	

SECTION 4
ACCESSORIES

Ref. No.	Part No.	Description	Remark
	4-697-248-11	MANUAL, INSTRUCTION (Operating Instructions) (Except CH)	
	4-697-248-21	MANUAL, INSTRUCTION (Operating Instructions) (CH)	
	4-697-249-12	GUIDE, REFERENCE (ENGLISH, SPANISH, FRENCH) (US, CND, LA)	
	4-697-249-21	GUIDE, REFERENCE (SIMPLIFIED CHINESE) (CH)	
	4-697-249-32	GUIDE, REFERENCE (ENGLISH, RUSSIAN, TRADITIONAL CHINESE, KOREAN, UKRAINIAN) (E, AUS, JE, RU)	
	4-697-249-41	GUIDE, REFERENCE (ENGLISH, FRENCH, GERMAN, SPANISH, DUTCH, ITALIAN, POLISH, HUNGARIAN) (AEP, UK)	
	4-697-249-51	GUIDE, REFERENCE (PORTUGUESE, GREEK, CZECH, BULGARIAN, SLOVAK, SLOVENIAN, ROMANIAN) (AEP, UK)	
501	1-848-682-11	CABLE, CONNECTION (USB) (Micro-USB cable (approx. 50 cm))	
502	1-912-247-11	CABLE (WITH PLUG) BLK (Headphone cable (approx. 1.5 m)) (for Black)	
502	1-912-247-21	CABLE (WITH PLUG) GLD (Headphone cable (approx. 1.5 m)) (for Champagne Gold)	
503	4-697-246-01	CASE, CARRYING (for Black)	
503	4-697-246-11	CASE, CARRYING (for Champagne Gold)	
504	1-843-730-11	ADAPTOR, PLUG (IN FLIGHT USE) (Plug adaptor for airplane)	



- Refer to “COLOR VARIATIONS” on page 2 about color variation of the unit.

MEMO

REVISION HISTORY

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