SONY

DIGITAL MOTION PICTURE CAMERA

MPC-2610

DISCLAIMER: USE AT OWN RISK. SONY AND ITS AFFILIATES ARE NOT LIABLE FOR ANY DAMAGE OR INJURY CAUSED TO ANY DIGITAL ELECTRONIC EQUIPMENT, PERSON, OR PROPERTY, WHICH OCCURS DUE TO USE OF THE TOOLS, PARTS, DOCUMENTATION, OR OTHER MATERIALS HEREIN PROVIDED, WHETHER FORREPAIR, DIAGNOSIS, MAINTENANCE, MODIFICATION, OR OTHERWISE, INCLUDING BUT NOT LIMITED TO: ANY INDIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES; ANY LOSS OF DATA, PRIVACY OR PROFITS; OR ANY INABILITY TO USE, OR REDUCED FUNCTIONALITY OF, THE DIGITAL ELECTRONIC EQUIPMENT. PLEASE READ ALL INSTRUCTIONS IN THIS MANUAL BEFORE PROCEEDING. PLEASE FOLLOW ALL STEPS IN THE ORDER IN WHICH THEY ARE DESCRIBED. IF YOU DO NOT HAVE ALL TOOLS AND PARTS AVAILABLE TO YOU, OR ARE NOT COMFORTABLE PERFORMING THE REPAIRS DESCRIBED HEREIN, DO NOT PROCEED. FAILURE TO FOLLOW THESE INSTRUCTIONS, OR USE THE PROPER TOOLS AND PARTS, MAY DAMAGE YOUR PRODUCT, LEAD TO PERSONAL INJURY OR CAUSE PROPERTY DAMAGE.

CineAlta

SERVICE MANUAL
1st Edition

Corrected on October 8, 2024

⚠ 警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠ WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠ WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

注意

指定以外の電池に交換すると，破裂する危険があります。
必ず指定の電池に交換してください。
使用済みの電池は，国または地域の法令に従って処理してください。

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer.
When you dispose of the battery, you must obey the law in the relative area or country.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie. Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.
Lorsque vous mettez la batterie au rebut, vous devez respecter la législation en vigueur dans le pays ou la région où vous vous trouvez.

VORSICHT

Explosionsgefahr bei Verwendung falscher Batterien. Batterien nur durch den vom Hersteller empfohlenen oder einen gleichwertigen Typ ersetzen.
Wenn Sie die Batterie entsorgen, müssen Sie die Gesetze der jeweiligen Region und des jeweiligen Landes befolgen.

FÖRSIKTIGHET!

Fara för explosion vid felaktigt placerat batteri. Byt endast mot samma eller likvärdig typ av batteri, enligt tillverkarens rekommendationer.
När du kasserar batteriet ska du följa rådande lagar för regionen eller landet.

PAS PÅ

Fare for eksplosion, hvis batteriet ikke udskiftes korrekt.
Udskift kun med et batteri af samme eller tilsvarende type, som er anbefalet af fabrikanten.
Når du bortskaffer batteriet, skal du følge lovgivningen i det pågældende område eller land.

HUOMIO

Räjähdysvaara, jos akku vaihdetaan virheellisesti. Vaihda vain samanlaiseen tai vastaavantyyppiseen, valmistajan suosittelemaan akkuun.
Noudata akun hävittämisessä oman maasi tai alueesi lakeja.

FORSIKTIG

Eksplosjonsfare hvis feil type batteri settes i. Bytt ut kun med samme type eller tilsvarende anbefalt av produsenten.
Kasser batteriet i henhold til gjeldende avfallsregler.

注意

如果更换的电池不正确，就会有爆炸的危险。
只更换同一类型或制造商推荐的电池型号。
处理电池时，必须遵守相关地区或国家的法律。

Table of Contents

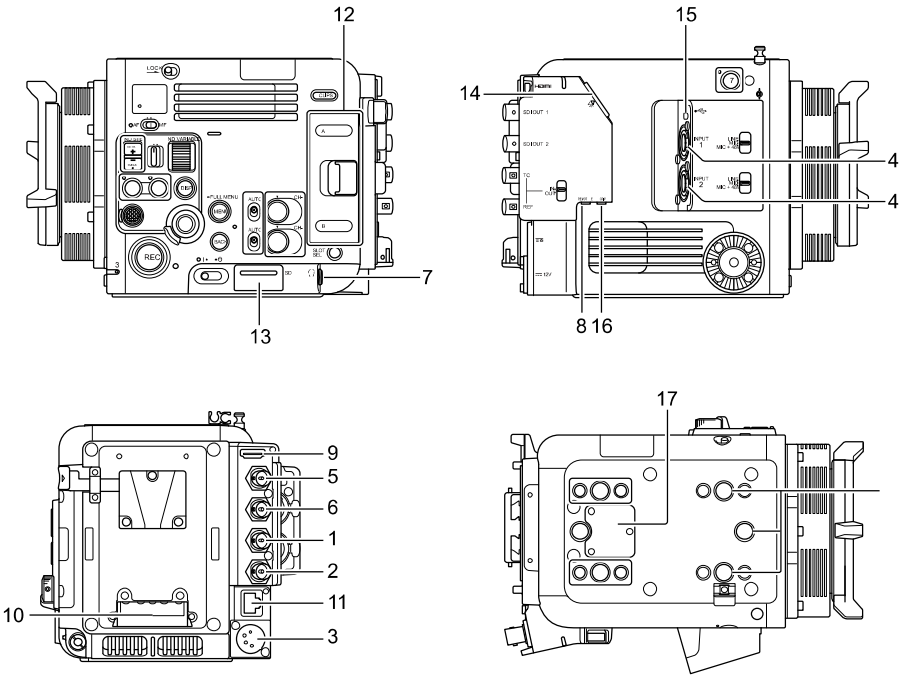
Section 1
Service Overview

1-1. Product Comparison Table

Model	**MPC-2610**	
Destination	UC, J, CEE, CN1, E38	AF1
COLOR system	NTSC/PAL (Selectable)	NTSC/PAL (Selectable)
Internal recording media	–	–
LENS		
Projector	–	–
GPS	–	–
EVF	✓	✓
Wi-Fi	2.4/5.2/5.3/5.6/5.8 GHz	2.4 GHz
NFC	–	–
Multi interface shoe	–	–
Charging capacitor (for flash)	–	–

1-2. Connectors and Cables

1-2-1. Connector Input/Output Signals



Input signals

1. TC IN/OUT

BNC type 1.0 V p-p, 75 Ω

IN/OUT switching

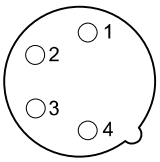
2. REF IN/OUT

BNC type 1.0 V p-p, 75 Ω

IN/OUT switching

3. DC IN (12 V)

XLR 4-pin, Male

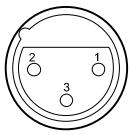


- External View -

No.	Signal	I/O	Specifications
1	GND	—	GND for DC (+)
2	NC	—	No connection
3	NC	—	No connection
4	DC (+)	IN	+11 to 17 V dc input

4. INPUT 1/2

XLR 3-pin, Female



- External View -

(0 dBu = 0.775 V rms)

No.	Signal	I/O	Specifications
1	GND	—	GND
2	XLR HOT	IN	LINE: +4 dBu/0 dBu/-3 dBu (/EBUL)/10 kΩ MIC: -80 dBu to -30 dBu/3 kΩ
3	XLR COLD	IN	LINE: +4 dBu/0 dBu/-3 dBu (/EBUL)/10 kΩ MIC: -80 dBu to -30 dBu/3 kΩ

Output signals

5. SDI OUT 1

BNC type, SDI 0.8 V p-p, 75 Ω, 1.5 Gbps

12G-SDI, 6G-SDI, 3G-SDI: SMPTE ST424/425 Level A/B-DL/DS

HD SDI: SMPTE ST292 compatible

6. SDI OUT 2

BNC type, SDI 0.8 V p-p, 75 Ω, 1.5 Gbps

3G-SDI: SMPTE ST424/425 Level A/B-DL/DS

HD SDI: SMPTE ST292 compatible

7. (Headphones)

Stereo mini jack

-13 dBu (Volume: Max, reference level output 16 Ω loaded)

Audio monitor, monaural/stereo switching

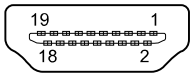
Input/Output signals

8. REMOTE

Stereo mini mini jack (ϕ 2.5 mm)

9. HDMI

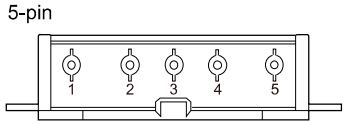
Type A



- External View -

No.	Signal	I/O	Specifications
1	TMDS DATA2+	OUT	TMDS data 2 (+) output
2	TMDS DATA2 SHIELD	—	GND for TMDS data 2
3	TMDS DATA2-	OUT	TMDS data 2 (-) output
4	TMDS DATA1+	OUT	TMDS data 1 (+) output
5	TMDS DATA1 SHIELD	—	GND for TMDS data 1
6	TMDS DATA1-	OUT	TMDS data 1 (-) output
7	TMDS DATA0+	OUT	TMDS data 0 (+) output
8	TMDS DATA0 SHIELD	—	GND for TMDS data 0
9	TMDS DATA0-	OUT	TMDS data 0 (-) output
10	TMDS CLOCK+	OUT	TMDS clock signal (+) output
11	TMDS CLOCK SHIELD	—	GND for TMDS clock
12	TMDS CLOCK-	OUT	TMDS clock signal (-) output
13	CEC (N.C.)	—	—
14	RESERVED (N.C.)	—	No connection
15	SCL	OUT	Serial data clock signal output
16	SDA	IN/OUT	Serial data signal input/output
17	DDC/CEC GND		GND
18	+5 V POWER	OUT	+5 V dc output
19	HPD	IN	Hot plug detect signal input

10. BATTERY



- External View -

No.	Signal	I/O	Specifications
1	BATT IN (+)	IN	+11 to 17 V dc input
2	BATT SCL	OUT	Battery serial data clock signal output
3	BATT SDA	IN/OUT	Battery serial data signal input/output
4	BATT ID	IN	Battery ID signal input
5	BATT IN (-)	IN	GND for BATT IN

11. 品 (NETWORK)

RJ-45

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

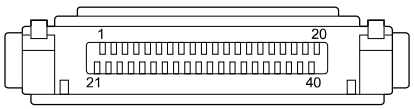
12. CFexpress Type B Slot (A/B)

CFexpress Type B card

13. SD Card Slot

SD card

14. VF



-External View-

Note

The viewfinder connection cable supplied with the unit is not connected in a 1-1 or 1-N manner.

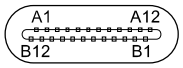
No.	Signal	I/O	Specifications
1	GND	—	GND
2	GND	—	GND
3	GND(VF_DET2)	—	Cable connection detection signal 2 (GND)
4	CAP_TP_INT	OUT	Touch panel interrupt signal
5	+5V	OUT	+5V power
6	LVDS DATA 2+	OUT	LVDS data 2 (+) output
7	LVDS DATA2-	OUT	LVDS data 2 (-) output

Continued

No.	Signal	I/O	Specifications
8	LVDS DATA1+	OUT	LVDS data 1 (+) output
9	LVDS DATA 1-	OUT	LVDS data 1 (-) output
10	GND	—	GND
11	GND	—	GND
12	LVDS CLOCK+	OUT	LVDS clock signal (+) output
13	LVDS CLOCK-	OUT	LVDS clock signal (-) output
14	LVDS DATA 0+	OUT	LVDS data 0 (+) output
15	LVDS DATA 0-	OUT	LVDS data 0 (-) output
16	CAP_TP_XRES	IN/OUT	TP reset signal
17	STX	OUT	LCD data signal
18	SCK	OUT	LCD clock signal
19	GND	—	GND
20	GND	—	GND
21	I2C SDA	IN/OUT	I2C data signal of EEPROM
22	LVDS DATA 3+	OUT	LVDS 3 (+) output
23	LVDS DATA 3-	OUT	LVDS 3 (-) output
24	+5V	OUT	+5V power
25	+5V	OUT	+5V power
26	KEY_ADC_A	—	Key switch AD ladder signal
27	GND	—	GND
28	KEY_ADC_B	IN	Key switch AD ladder signal
29	GND	—	GND
30	KEY_ADC_C	IN	Key switch AD ladder signal
31	GND	—	GND
32	TP_SDA	IN/OUT	TP data signal
33	GND	—	GND
34	TP_SCL	OUT	TP clock signal
35	GND	—	GND
36	I2C_SCK	OUT	EEPROM clock signal
37	XCS	OUT	LCD CS signal
38	XRST	OUT	LCD reset signal
39	VF_DET	IN	Cable connection detection signal 1
40	BL_CONT	OUT	Backlight PWM signal

15. (USB connector)

Type-C



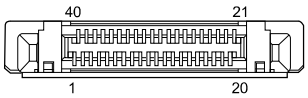
- External View -

No.	Signal	I/O	Specifications
A1	GND	—	GND
A2	TX1+	OUT	Super Speed differential pair
A3	TX1-	OUT	Super Speed differential pair
A4	VBUS	IN/OUT	5 V power
A5	CC1	IN	Plug Configuration Detection
A6	D+	IN/OUT	USB2.0 Interface
A7	D-	IN/OUT	USB2.0 Interface
A8	SBU1	—	No Connection
A9	VBUS	IN/OUT	5 V power
A10	RX1+	IN	Super Speed differential pair
A11	RX2+	IN	Super Speed differential pair
A12	GND	—	GND
B1	GND	—	GND
B2	TX2+	OUT	Super Speed differential pair
B3	TX2-	OUT	Super Speed differential pair
B4	VBUS	IN/OUT	5 V power
B5	CC2	IN	Plug Configuration Detection
B6	D+	IN/OUT	USB2.0 Interface
B7	D-	IN/OUT	USB2.0 Interface
B8	SBU2	—	No Connection
B9	VBUS	IN/OUT	5 V power
B10	RX1-	IN	Super Speed differential pair
B11	RX1+	IN	Super Speed differential pair
B12	GND	—	GND

16. GRIP

Stereo mini jack (φ3.5 mm)

17. Handle connector



-External View-

No.	Signal	I/O	Specifications
1	D_1.8V_R1	OUT	+1.8V Power
2	D_7.0V_DD	OUT	+7V Power
3	D_7.0V_DD	OUT	+7V Power
4	GND	—	GND
5	GND	—	GND
6	SHOE_DIG_AU_DT34	IN	CH-3/4 Digital Audio Data
7	SHOE_ADC_RST_X	OUT	L: Audio A/D Converter Power down
8	2ND_ZOOM	IN	0 to 1.8V Zoom
9	GPS_RST	OUT	L: GPS Unit Reset
10	GPS_UART_CTS	OUT	GPS Unit serial COM data
11	GPS_UART_RXD	IN	GPS Unit serial COM data
12	GPS_BUF_CTRL	OUT	GPS Unit serial COM data
13	SHOE_UART_RXD	IN	GPS Unit serial COM data
14	GND	—	GND
15	GND	—	GND
16	AU_64FS	OUT	64Fs Audio clock
17	GND	—	GND
18	GND	—	GND
19	SHOE_ID3	IN	MI Shoe ID #3
20	SHOE_ID1	IN	MI Shoe ID #1
21	HANDLE_DET	IN	L: Handle unit detect
22	D_3.3V_R1	OUT	+3.3V Power
23	D_7.0V_DD	OUT	+7V Power
24	AU_12V_DD	OUT	+12V Audio Power
25	GND	—	GND
26	AU_CLK_EN	OUT	H: Audio clock buffer enable
27	SHOE_AU_DT	IN	CH-1/2 Audio Data
28	SHOE_EN	OUT	H: Shoe Power enable
29	2SS_KEY	IN	REC S/S Key
30	GPS_LDO_EN	OUT	H: GPS LDO On
31	GPS_UART_RTS	IN	GPS Unit serial COM data
32	GPS_UART_TXD	OUT	GPS Unit serial COM data

Continued

No.	Signal	I/O	Specifications
33	SHOE_UART_TXD	OUT	GPS Unit serial COM data
34	Reserved	–	–
35	SHOE_DIG_AU_DT	IN	CH-1/2 Digital Audio Data
36	AU_FS	OUT	Fs Audio clock
37	GND	–	GND
38	AU_256FS	OUT	256Fs Audio clock
39	GND	–	GND
40	SHOE_ID2	IN	MI Shoe ID #2

1-2-2. Connectors and Cables

Connection made with the connectors during installation or service, should be made with the connectors/complete cable assemblies specified in the following list, or equivalent parts.

Connector Name	Connectors and Cables
• SDI OUT 1/2 • TC IN/OUT • REF IN/OUT	Plug, BNC (Part No.: 156937012) or 5CFB coaxial cable
INPUT 1/2	XLR 3-pin
VF	Viewfinder module (supplied accessory)
REMOTE	Stereo mini mini jack
DC IN (12 V)	XLR, 4-Pin (Part No.: 150836200), ITT Cannon XLR-4-11C equivalent, or connection cord (Part No.: 155157700)
HDMI	HDMI cable (commercially available)
(Headphones)	Stereo mini jack (commercially available)
(USB connector)	USB Type-C cable (commercially available)
(Network)	LAN cable (commercially available)
Handle connector	Handle of the PXW-FX9V
GRIP	For the GP-VR100 only

1-3. Fixtures/Measuring Equipments List

1-3-1. Service Tools

Part No.	Name	Usage/Note
J6323420A	Torque screwdriver bit	Tightening screws, for M2 machine screw, for M2.6 machine screw
J6323430A	Torque screwdriver bit	Tightening screws, for M3
J6325110A	Torque screwdriver bit (M1.4)	Tightening screws, for precision M1.4, for precision M1.7
J6325380A	Torque screwdriver bit (M2)	Tightening screws, for precision M2, for precision M2.6
J6325400A	Torque screwdriver bit (3 kg)	Tightening screws
J6252510A	Torque screwdriver bit (6 kg)	
Commercially available	Hexalobular screwdriver (T8)	
Commercially available	Hexalobular screwdriver (T15)	
Commercially available	Hexagon bit (for torque driver) (size 2.5 mm)	
Commercially available	Hexagon bit (for torque driver) (size 3 mm)	
Commercially available	Hexagon bit (for torque driver) (size 0.89 mm)	Tightening a hexagon socket set screw (M2) of a rotary encoder knob
Commercially available	Box driver (size 11 mm)	Tightening a supplied nut of a rotary encoder
Commercially available	Box driver (size 14 mm)	Tightening nuts
Commercially available	Jack nut driver 3.5 mm dia.	For 3.5 mm audio jack
760004201	Adhesive (Loctite 243)	Preventing self-loosening of screws
J6082626A	Lubricant (G85)	For lubricating moving parts

1-3-2. Measuring Equipment

Use the calibrated equipment or equivalent as listed below for the adjustments.

Equipment	Name
Oscilloscope	Tektronix TDS3054 or equivalent (150 MHz or more)
Waveform monitor	One of the following HD: Leader Electronics LV5152DA or equivalent 4K: Waveform monitor supporting SDI input or HDMI input with resolution of 4096 x 2160 pixels
Frequency counter	Advantest TR5821AK or equivalent
Digital voltmeter	Advantest TR6845 or equivalent
Video monitor	One of the following HD: Sony HDM-20E1U/14E1U/14E5U or equivalent 4K: Video monitor supporting SDI input or HDMI input with resolution of 4096 x 2160 pixels
Luminance meter	Konica Minolta LS-110 or equivalent

1-4. Firmware Update

Upgrade the firmware by using the Maintenance menu according to the operating instructions. The firmware can be upgraded with the user settings retained.

Required item

- SD card
- Data for user version upgrade

  Note

  - For details about available SD cards, refer to the operating instructions.
  - Use an SD card formatted (Initialized) by the formatting function of the unit. For details about the formatting function, refer to the operating instructions.
  - Contact your local Sony Sales Office/Service Center for obtaining the data for user version upgrade.

For the update procedure, refer to the Version Up Guide that should be provided when an update version is released.

1-5. Periodic Maintenance and Inspection

1-5-1. Periodic Check/Replacement Parts List

This table does not describe the guarantee period of each part.
The replacement period of each part is changed according to the environment and condition.

Part to Be Replaced	Part No.	Check/Replacement Period
DC fan	⚠A5067308A	About 5 years Tip The total operating time is displayed with the Hours Meter in the Maintenance menu. For details, refer to the operating instructions.
Battery terminal (battery adapter)	⚠196946912	About 5 years Tip The total operating time is displayed with the Hours Meter in the Maintenance menu. For details, refer to the operating instructions.

1-5-2. Notes on Replacement of the Battery Terminal

The battery terminal in the battery adapter is consumable parts. Replace every about 5 years.
If the terminal of connector is deformed or bends due to vibrations or shock, or if the surface of the terminal corrodes due to long-term outside use or other similar use, the unit may malfunction.
Replace the battery terminal immediately if the terminal is deformed or bends, or if the surface color changes.

1-5-3. Notes on Using Air Blower

Do not use a high-pressure air blower near the image sensor to remove dust. Using a high-pressure air blower may cause dust to enter the internal circuit.

1-6. Notes for Connecting External Devices

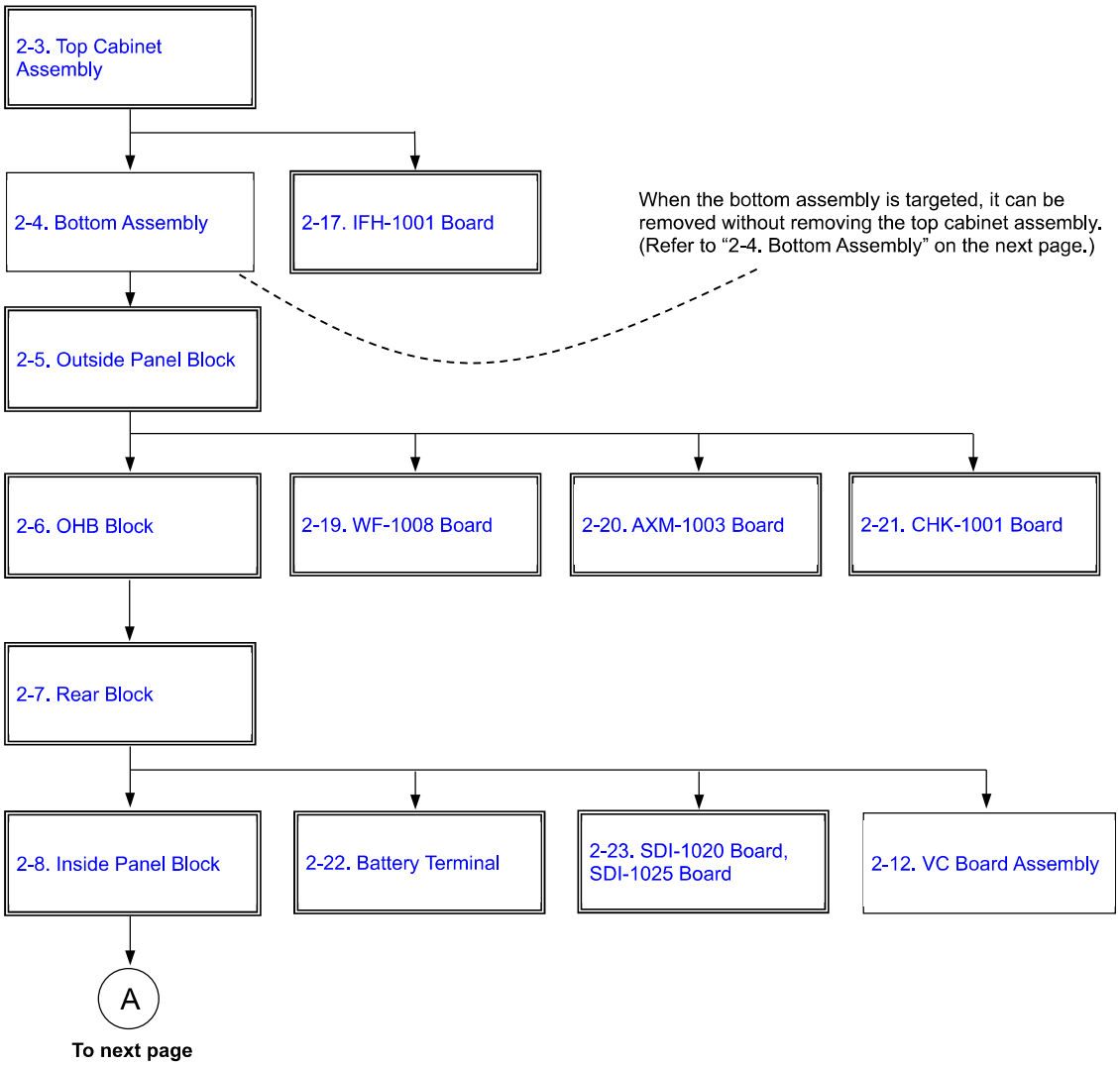
Before connecting an external device (monitor, storage, etc.) to the unit, turn off the unit and confirm that the earth between the unit and the external device is securely grounded. Then turn on the unit.
It is unavoidable to connect an external device during power-on, connect a coaxial cable (75 ohms) to the external device and then connect the coaxial cable to the unit.

Section 2
Removal

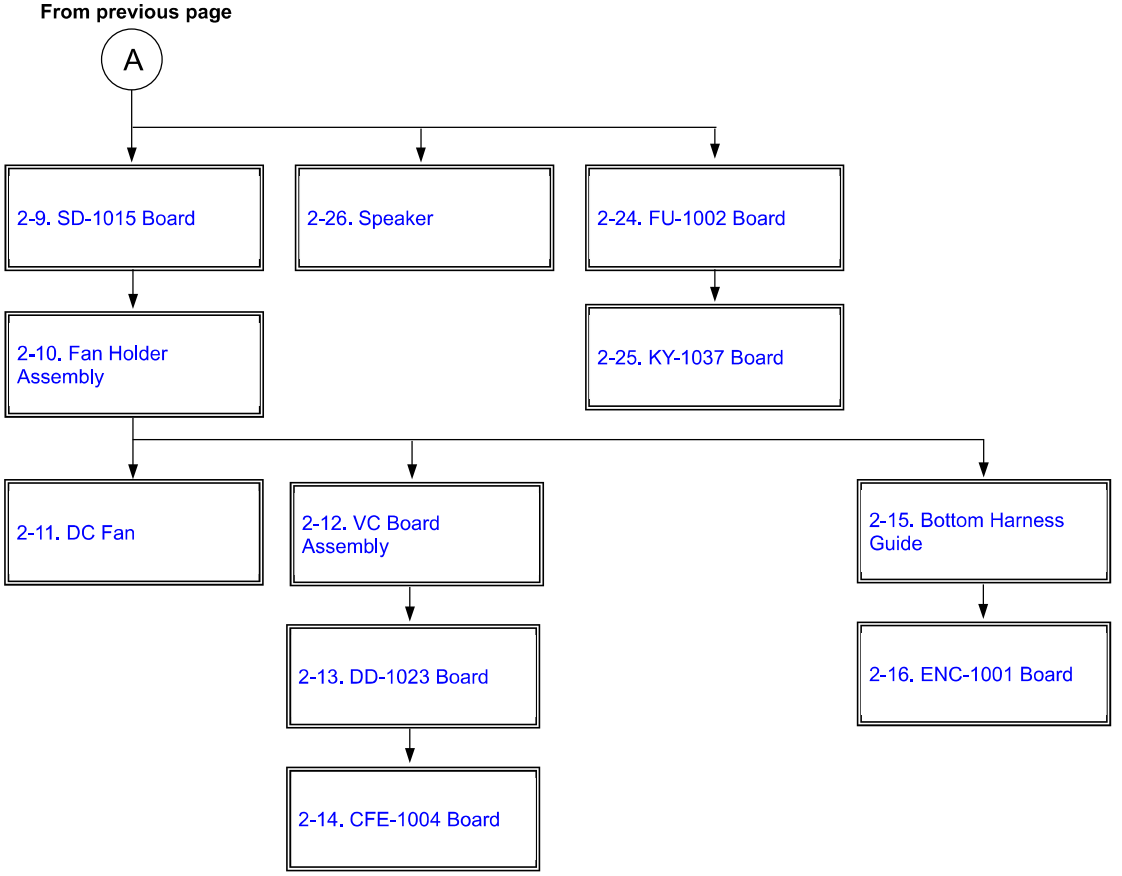
2-1. Removal Flow

Find target parts from items enclosed by double lines.

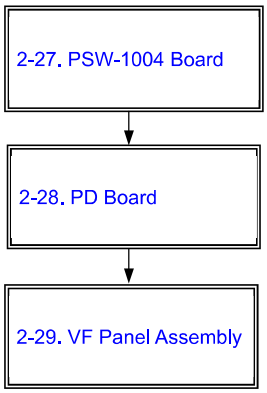
Main unit



From previous page



VF panel



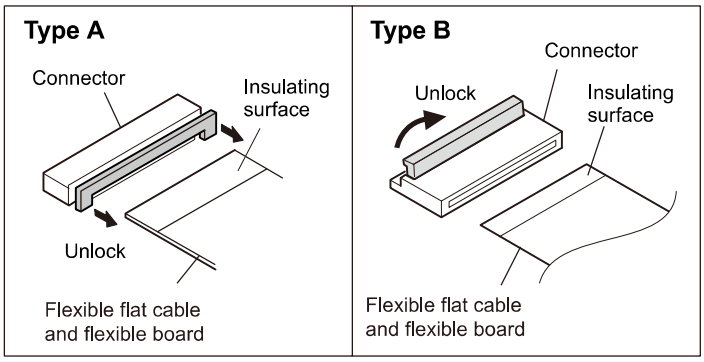
2-2. Notes on removal

2-2-1. Disconnecting Flexible Flat Cable and Flexible Board

Note

Be very careful not to fold flexible flat cable or flexible board. Life of flexible flat cable and flexible board will be significantly shortened if they are folded.

1. Unlock the connector.
2. Pull out the flexible flat cable or flexible board.



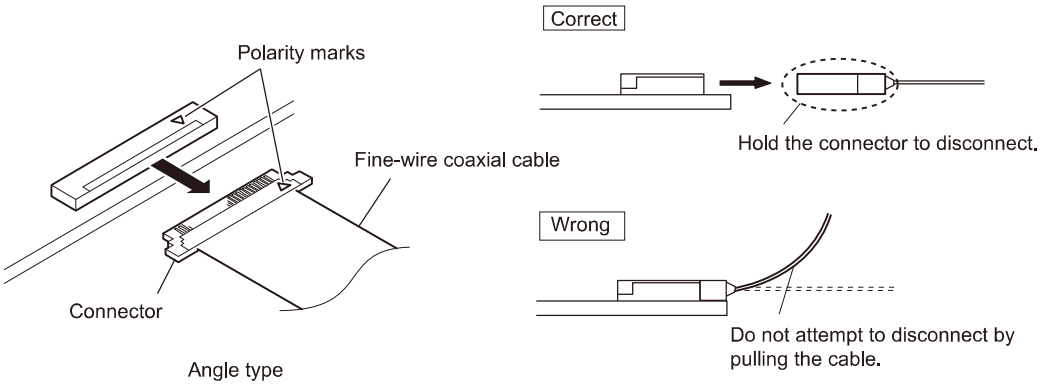
2-2-2. Disconnecting Fine-Wire Coaxial Cable

Note

- Be very careful when handling the fine-wire coaxial cable so that fine wires are not broken.
- When disconnecting the fine-wire coaxial cable, be sure to hold the connector. Do not attempt to pull the cable.
- Check that the contact surface of the fine-wire coaxial cable connector is not contaminated.

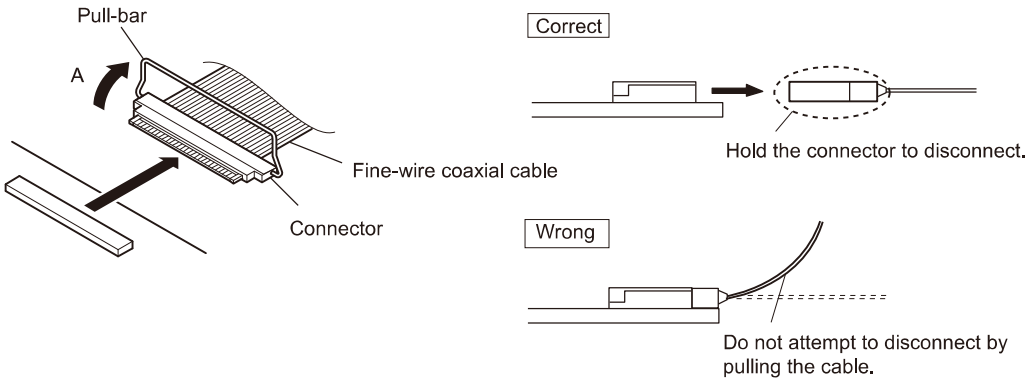
Type A

1. Hold both sides of the fine-wire coaxial cable connector, and pull the connector straight to disconnect it.



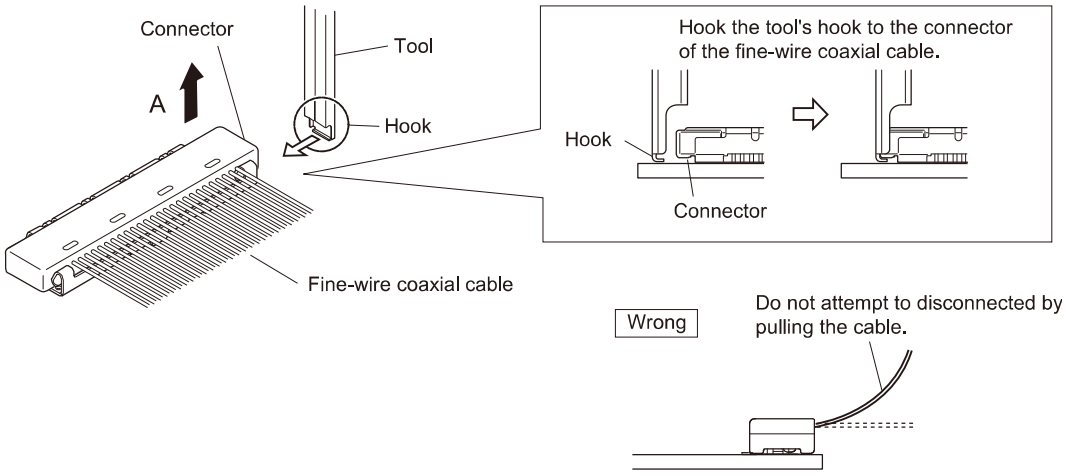
Type B

1. Raise the pull-bar in the direction of arrow A to unlock it.
2. Hold both sides of the fine-wire coaxial cable connector, and pull the connector straight to disconnect it.



Type C

1. Use a tool with a hook as shown in the figure. Hook the tool's hook to the connector of the fine-wire coaxial cable.
2. Lift the tool straight in the direction of arrow A with the hook hooked to disconnect the connector of the fine-wire coaxial cable.

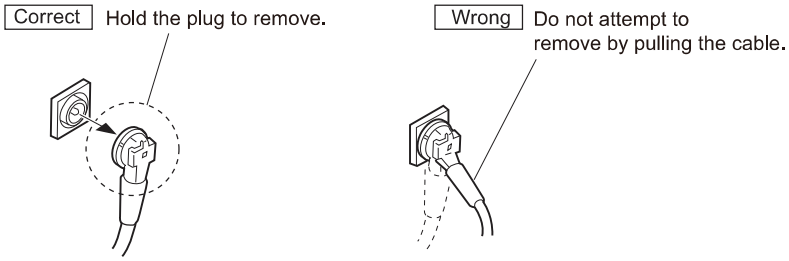


2-2-3. Disconnecting Coaxial Cable

1. Hold the plug of coaxial cable.
2. Pull out the coaxial cable in the direction of the arrow.

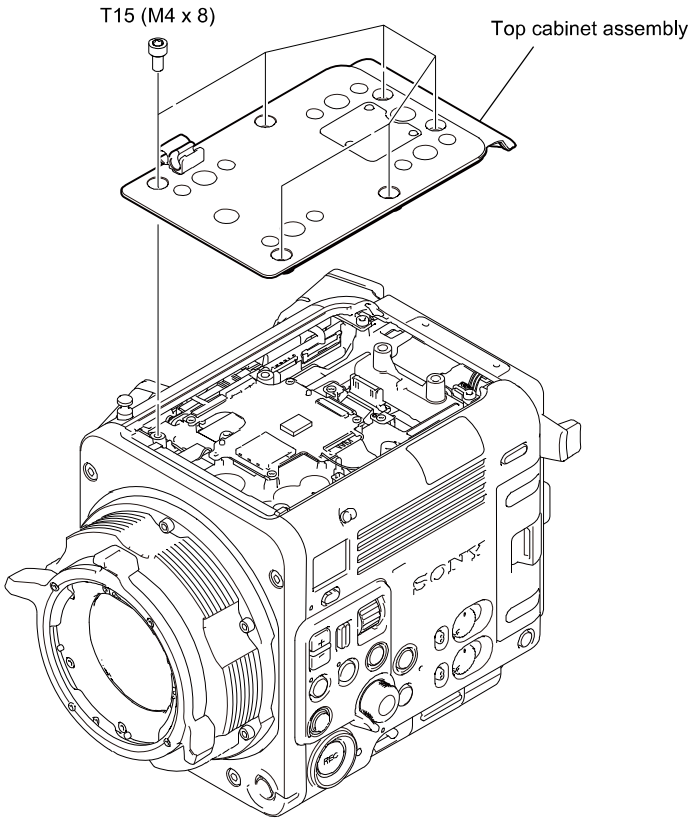
Note

Be sure to hold the plug when disconnecting the coaxial cable. Do not pull the cable.



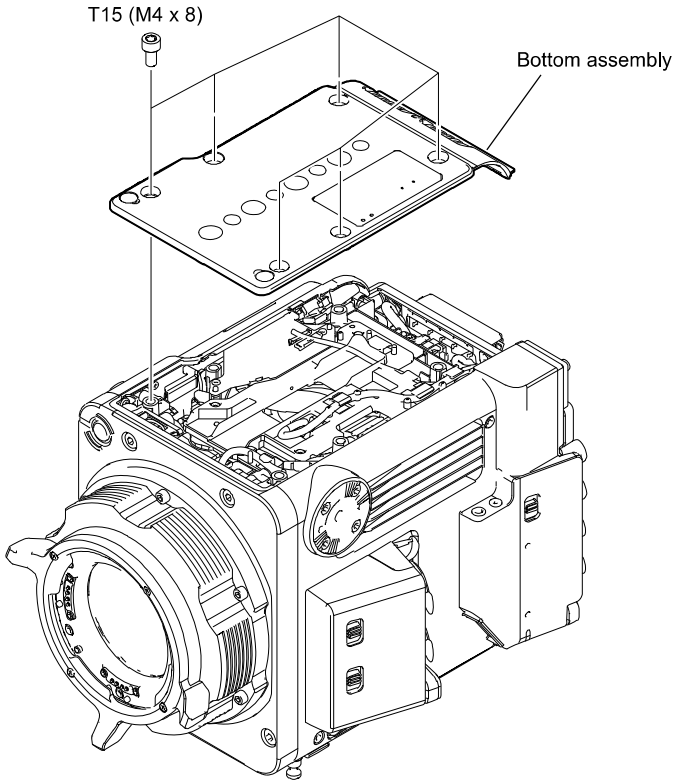
2-3. Top Cabinet Assembly

1. Remove the six hexalobular screws, and then remove the top cabinet assembly.



2-4. Bottom Assembly

1. Remove the six hexalobular screws, and then remove the bottom assembly.



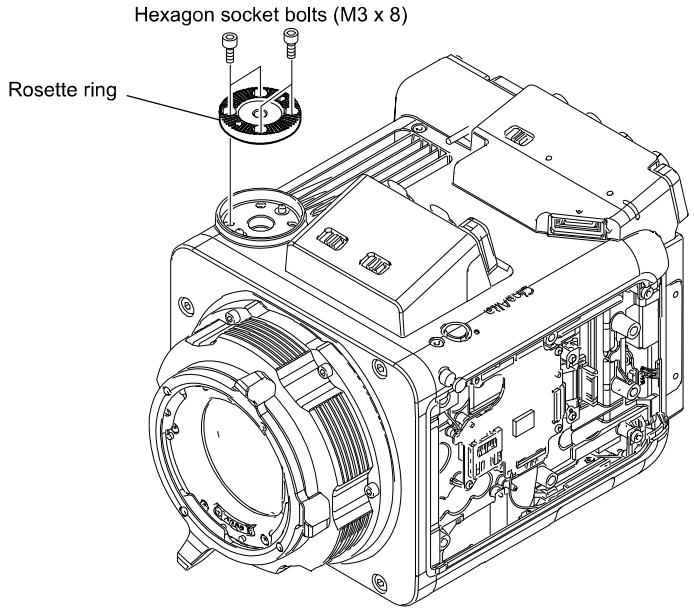
2-5. Outside Panel Block

Preparation

1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)

Procedure

1. Remove the four hexagon socket bolts, and then remove the rosette ring.

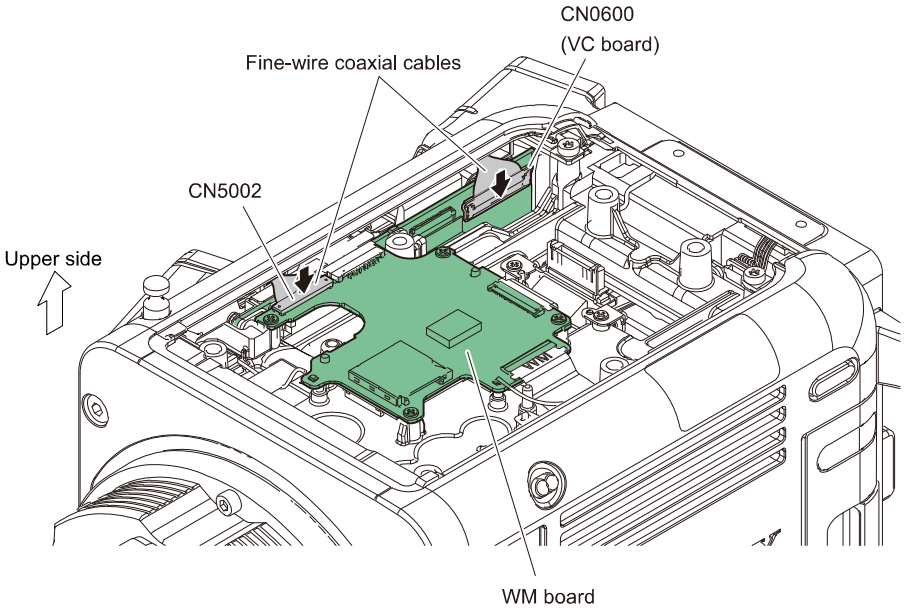


2. Disconnect the fine-wire coaxial cable from the connector (CN0600) on the VC board.

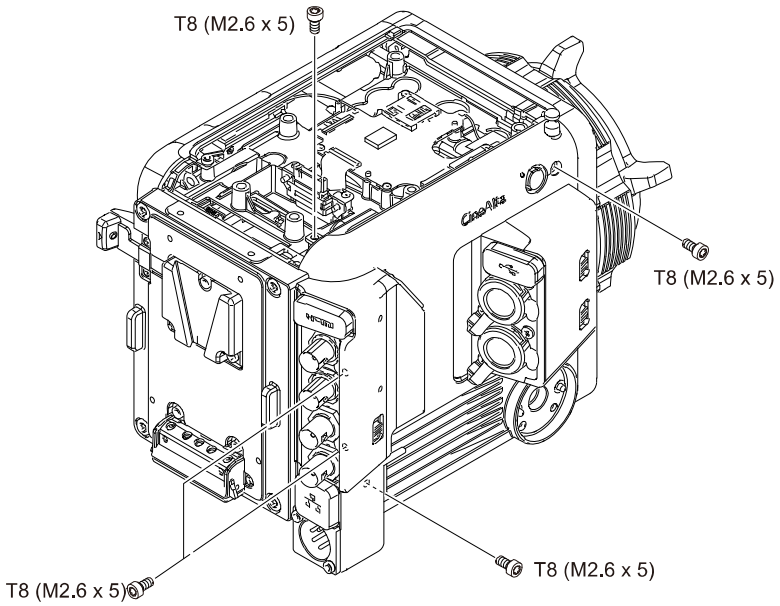
   Note

   Use a tool with a slim tip (such as tweezers) for releasing the back lock of CN0600.

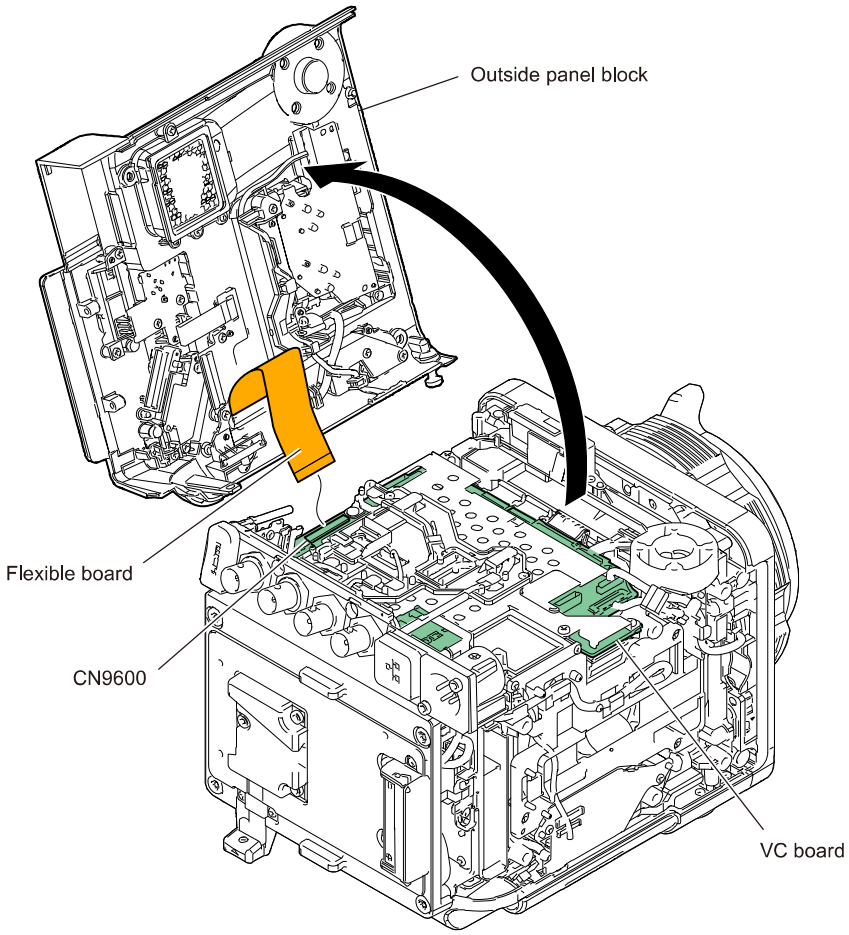
3. Disconnect the fine-wire coaxial cable from the connector (CN5002) on the WM board.



4. Remove the five hexalobular screws.



5. Open the outside panel block.
6. Disconnect the flexible board from the connector (CN9600) on the VC board.



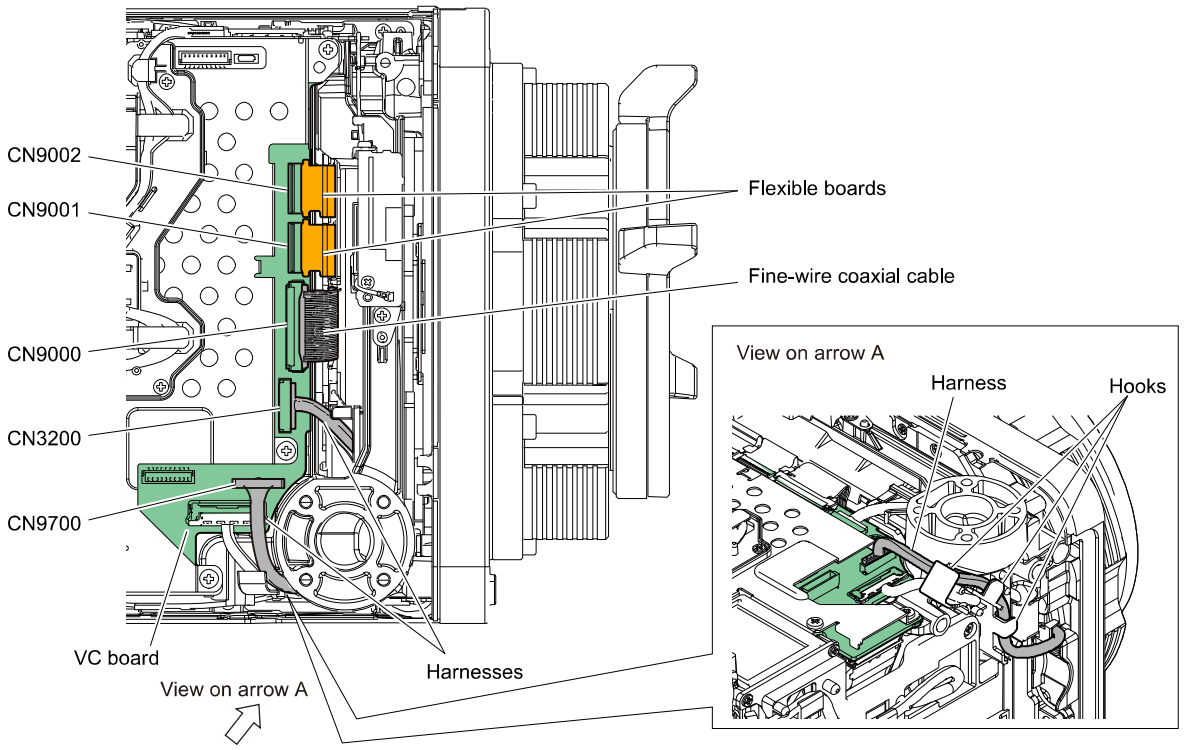
2-6. OHB Block

Preparation

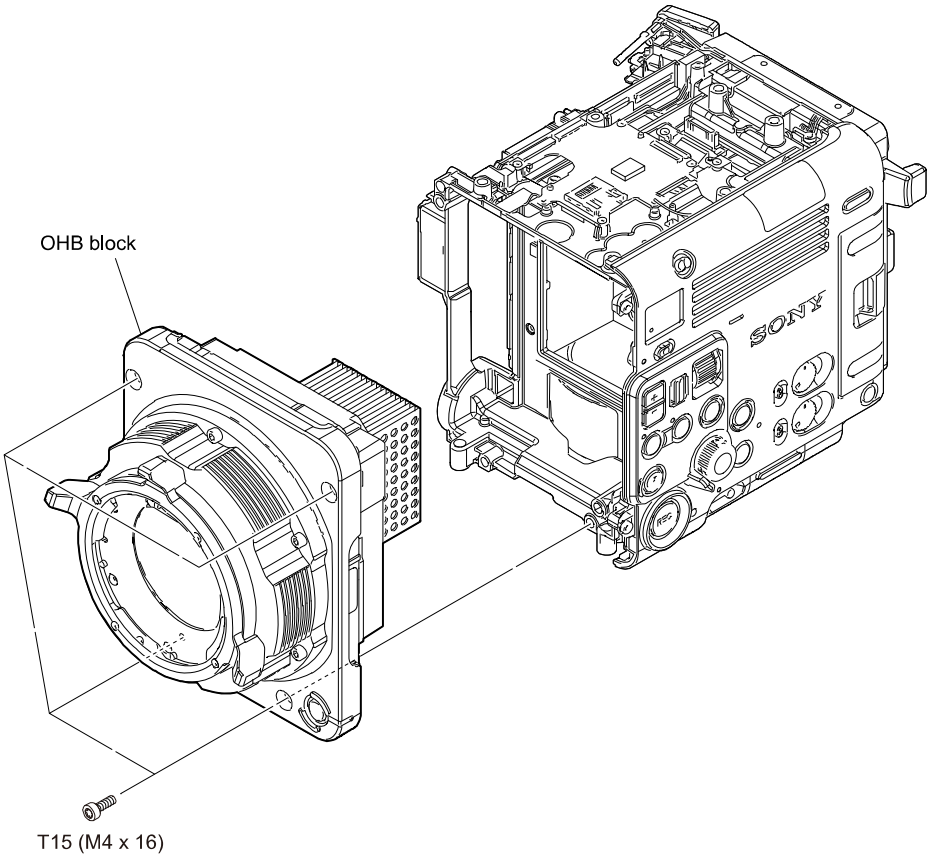
1. Remove the top cabinet assembly. (Refer to "2-3. Top Cabinet Assembly".)
2. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
3. Remove the outside panel block. (Refer to "2-5. Outside Panel Block".)

Procedure

1. Disconnect the two flexible boards, the fine-wire coaxial cable and the two harnesses from the connectors (CN3200, CN9000 to CN9002, CN9700) on the VC board.
2. Release the harness from the three hooks.



3. Remove the four hexalobular screws, and then remove the OHB block.



2-7. Rear Block

Preparation

1. Remove the top cabinet assembly. (Refer to "2-3. Top Cabinet Assembly".)
2. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
3. Remove the outside panel block. (Refer to "2-5. Outside Panel Block".)
4. Remove the OHB block. (Refer to "2-6. OHB Block".)

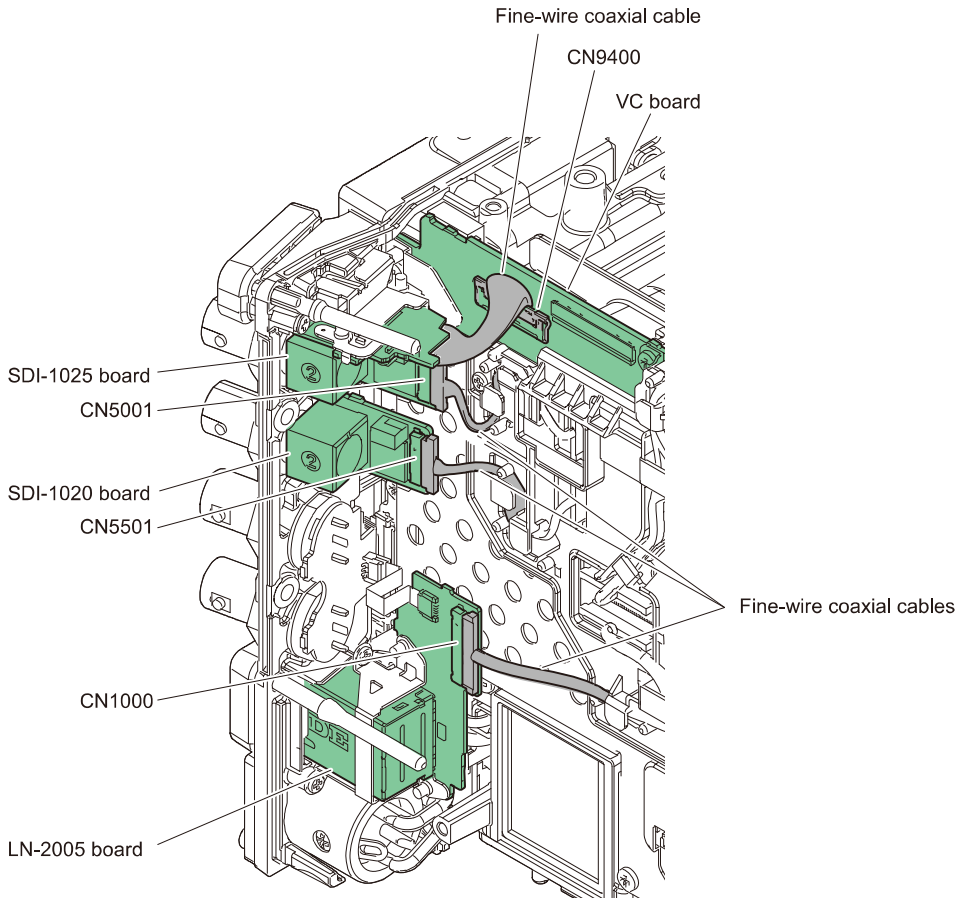
Procedure

1. Disconnect the fine-wire coaxial cable from the connector (CN9400) on the VC board.

   Note

   Use a tool with a slim tip (such as tweezers) for releasing the back lock of CN9400.

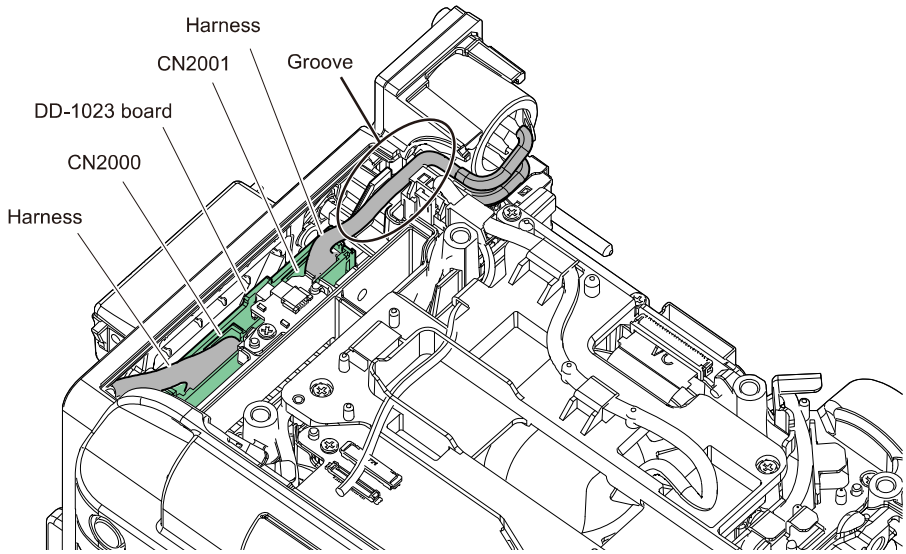
2. Disconnect the fine-wire coaxial cable from the connector (CN5001) on the SDI-1025 board.
3. Disconnect the fine-wire coaxial cable from the connector (CN5501) on the SDI-1020 board.
4. Disconnect the fine-wire coaxial cable from the connector (CN1000) on the LN-2005 board.



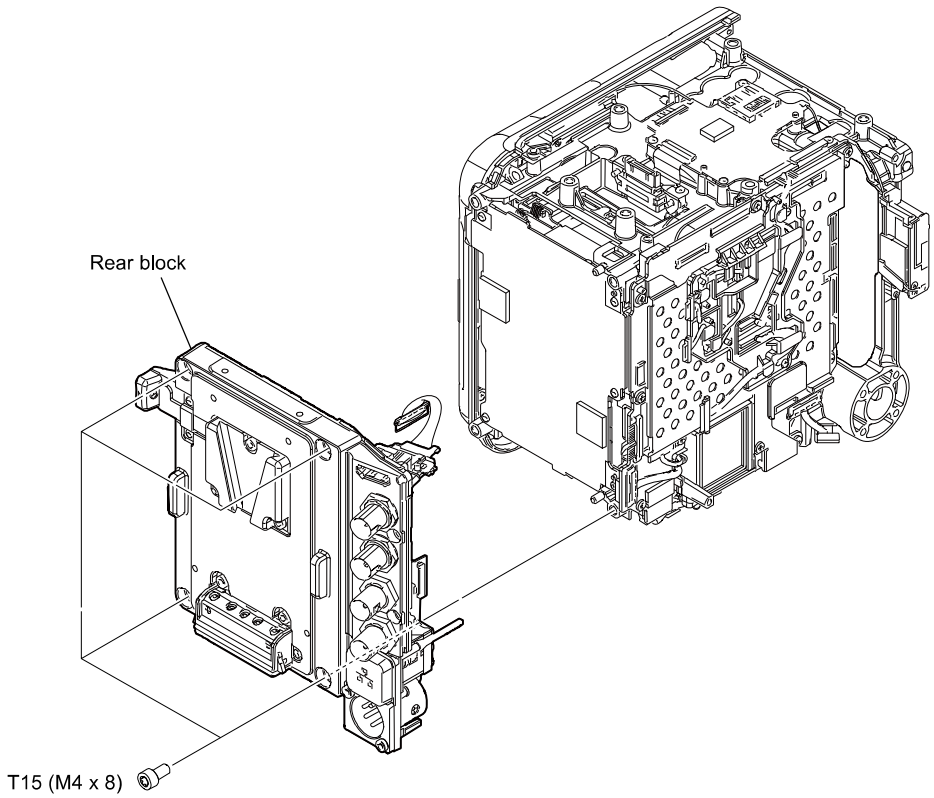
5. Release the harness from the groove.
6. Disconnect the two harnesses from the connectors (CN2000, CN2001) on the DD-1023 board.

   Note

   Since the two harnesses can hardly be disconnected in this state, there is no problem if it is disconnected after the rear block is removed.



7. Remove the four hexalobular screws, and then remove the rear block.



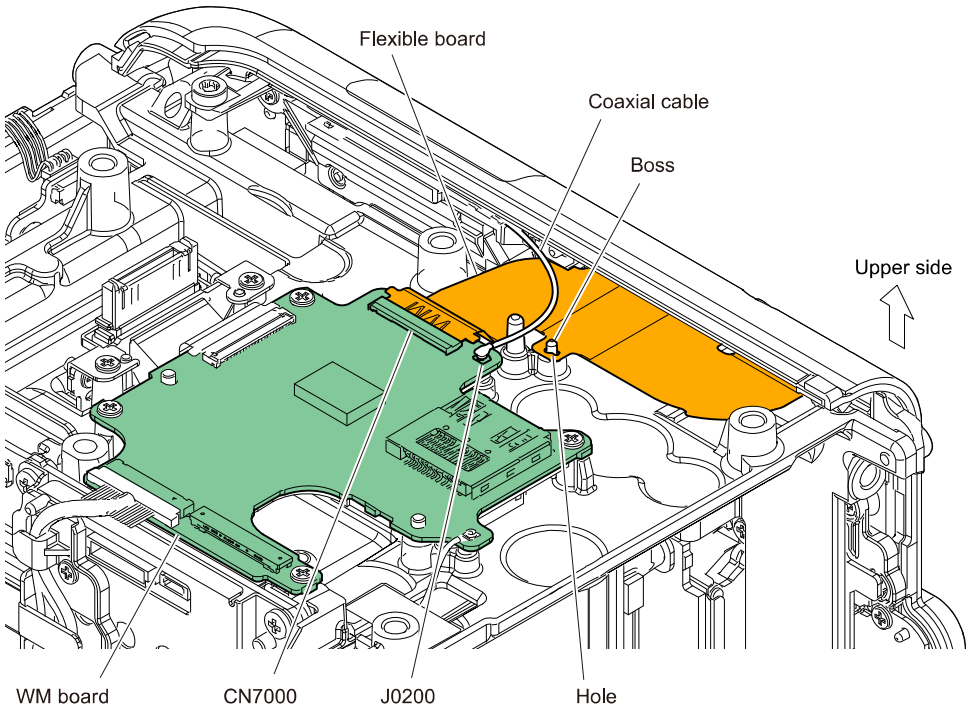
2-8. Inside Panel Block

Preparation

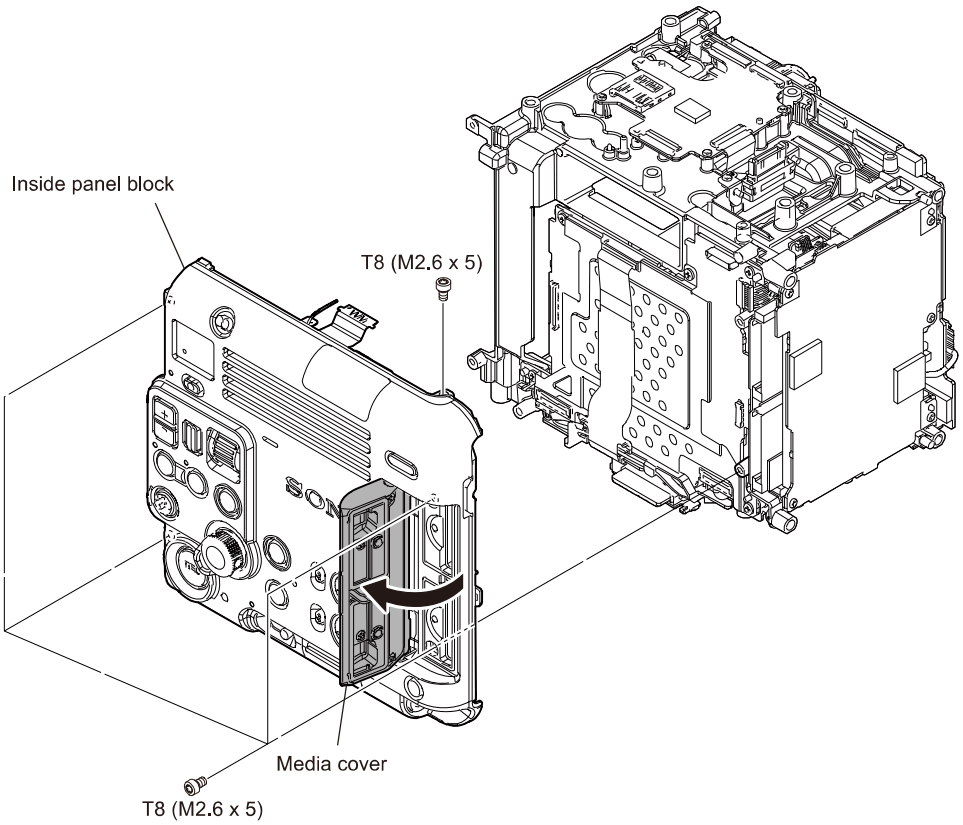
1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)
4. Remove the OHB block. (Refer to “2-6. OHB Block”.)
5. Remove the rear block. (Refer to “2-7. Rear Block”.)

Procedure

1. Disconnect the coaxial cable from the connector (J0200) on the WM board.
2. Disconnect the flexible board from the connector (CN7000) on the WM board.
3. Release the hole of the flexible board from the boss.



4. Open the media cover.
5. Remove the five hexalobular screws, and then remove the inside panel block.



2-9. SD-1015 Board

Preparation

1. Remove the top cabinet assembly. (Refer to "2-3. Top Cabinet Assembly".)
2. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
3. Remove the outside panel block. (Refer to "2-5. Outside Panel Block".)
4. Remove the OHB block. (Refer to "2-6. OHB Block".)
5. Remove the rear block. (Refer to "2-7. Rear Block".)
6. Remove the inside panel block. (Refer to "2-8. Inside Panel Block".)

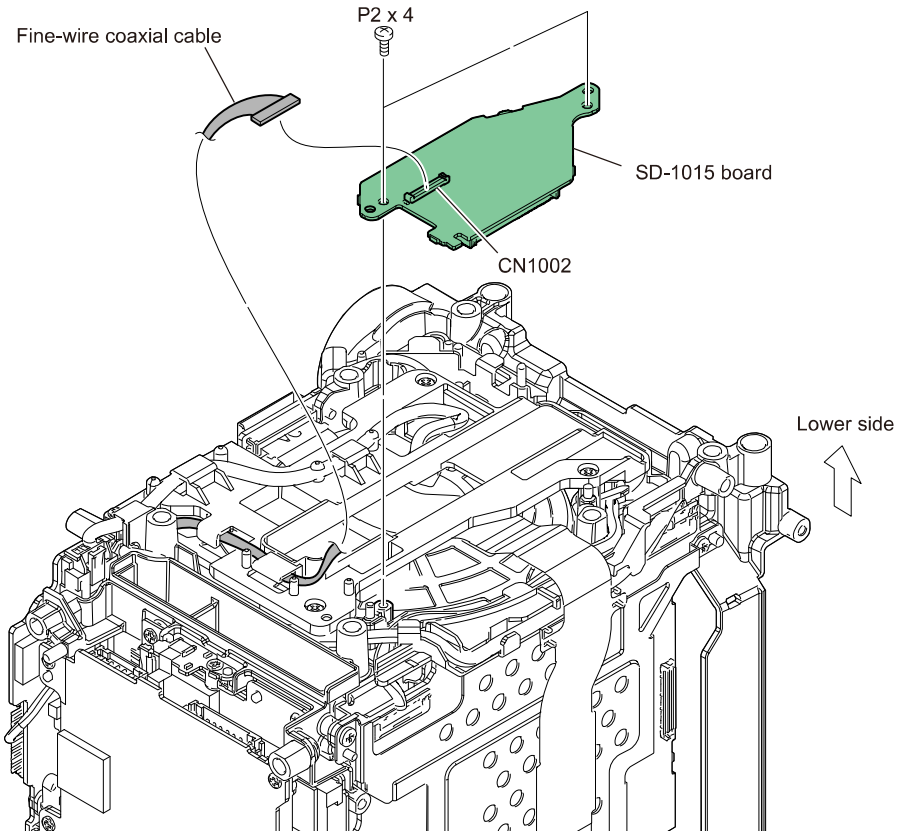
Tip

Removing these parts is recommended to facilitate the following procedure. However, the SD-1015 board can be removed only by performing the following.

1. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)

Procedure

1. Disconnect the fine-wire coaxial cable from the connector (CN1002) on the SD-1015 board.
2. Remove the two screws, and then remove the SD-1015 board.



2-10. Fan Holder Assembly

Preparation

1. Remove the top cabinet assembly. (Refer to "2-3. Top Cabinet Assembly".)
2. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
3. Remove the outside panel block. (Refer to "2-5. Outside Panel Block".)
4. Remove the OHB block. (Refer to "2-6. OHB Block".)
5. Remove the rear block. (Refer to "2-7. Rear Block".)
6. Remove the inside panel block. (Refer to "2-8. Inside Panel Block".)
7. Remove the SD-1015 board. (Refer to "2-9. SD-1015 Board".)

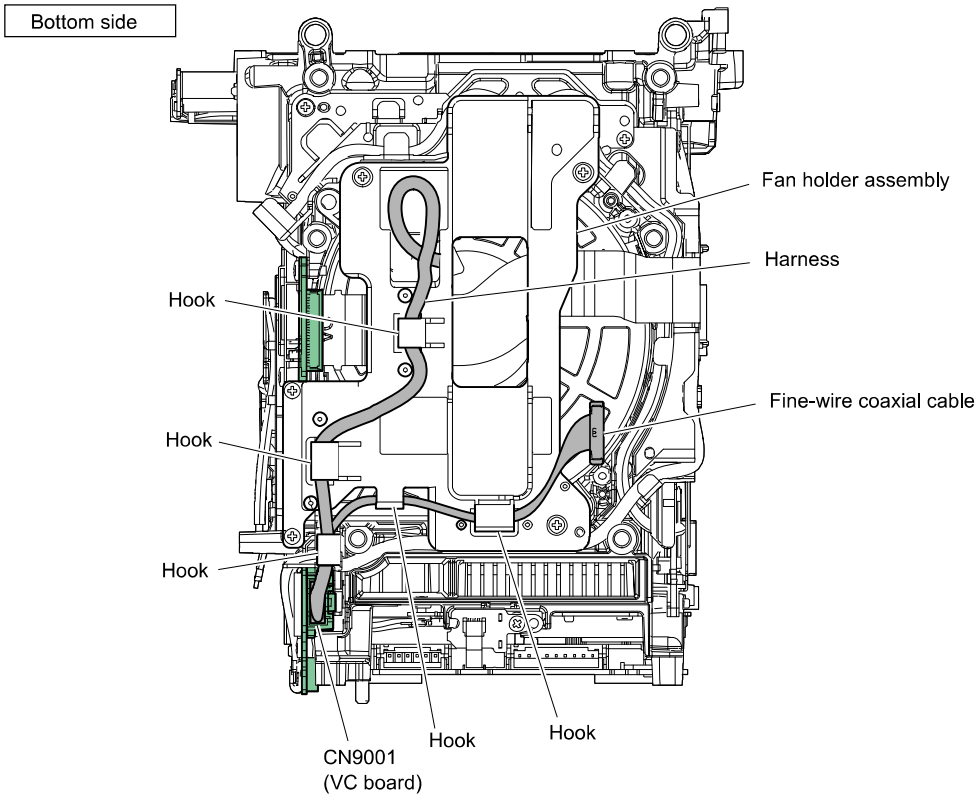
Tip

Removing these parts is recommended to facilitate the following procedure. However, the fan holder assembly can be removed only by performing the following.

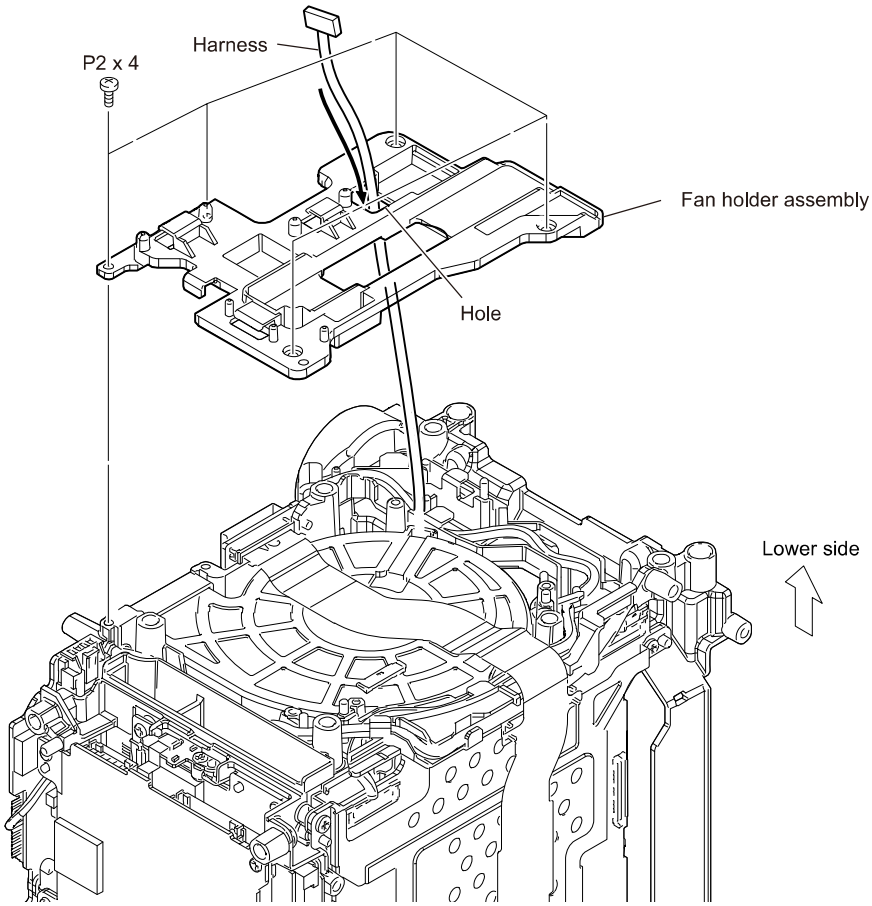
1. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
2. Remove the SD-1015 board. (Refer to "2-9. SD-1015 Board".)

Procedure

1. Disconnect the harness from the connector (CN9001) on the VC board.
2. Release the harness from the three hooks.
3. Release the fine-wire coaxial cable from two hooks.



4. Remove the five screws.
5. Pull the harness through the hole of the fan holder assembly and remove the fan holder assembly.



2-11. DC Fan

Preparation

1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)
4. Remove the OHB block. (Refer to “2-6. OHB Block”.)
5. Remove the rear block. (Refer to “2-7. Rear Block”.)
6. Remove the inside panel block. (Refer to “2-8. Inside Panel Block”.)
7. Remove the SD-1015 board. (Refer to “2-9. SD-1015 Board”.)
8. Remove the fan holder assembly. (Refer to “2-10. Fan Holder Assembly”.)

Tip

Removing these parts is recommended to facilitate the following procedure. However, the DC fan can be removed only by performing the following.

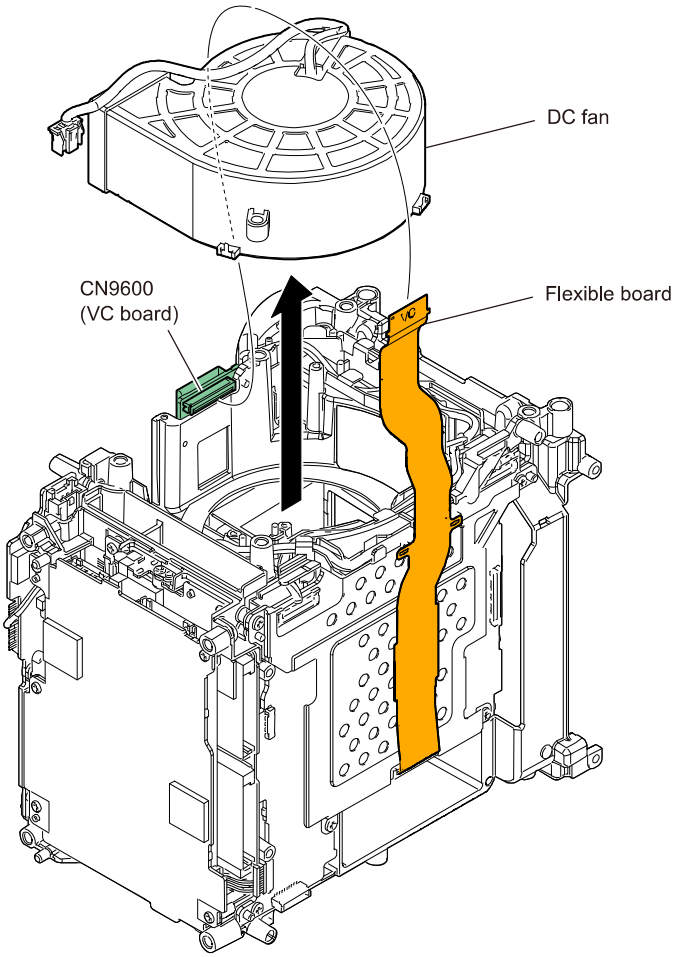
1. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
2. Remove the SD-1015 board. (Refer to “2-9. SD-1015 Board”.)
3. Remove the fan holder assembly. (Refer to “2-10. Fan Holder Assembly”.)

Procedure

1. Disconnect the flexible board from the connector (CN9600) on the VC board.
2. Remove the DC fan straight in the direction of the arrow.

   Note

   Carefully remove the DC fan so that it does not contact the connector (CN9600).



2-12. VC Board Assembly

Preparation

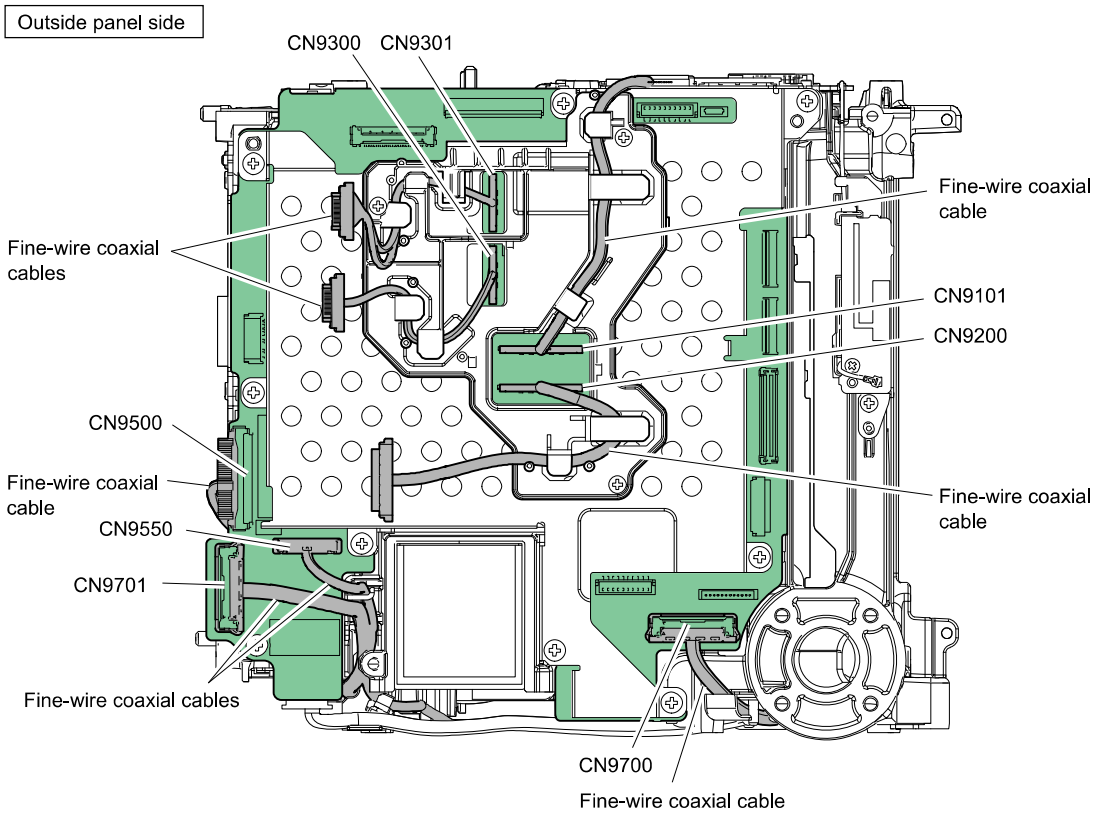
1. Remove the top cabinet assembly. (Refer to "2-3. Top Cabinet Assembly".)
2. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
3. Remove the outside panel block. (Refer to "2-5. Outside Panel Block".)
4. Remove the OHB block. (Refer to "2-6. OHB Block".)
5. Remove the rear block. (Refer to "2-7. Rear Block".)
6. Remove the inside panel block. (Refer to "2-8. Inside Panel Block".)
7. Remove the SD-1015 board. (Refer to "2-9. SD-1015 Board".)
8. Remove the fan holder assembly. (Refer to "2-10. Fan Holder Assembly".)

   Tip

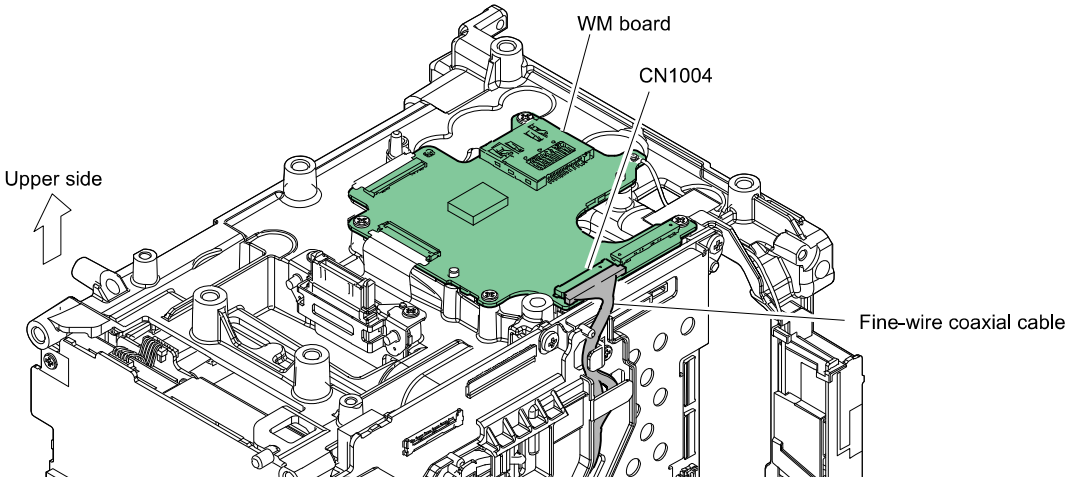
   Removing the fan holder assembly is recommended to facilitate the following procedure. However, the VC board assembly can be removed with the fan holder assembly installed.

Procedure

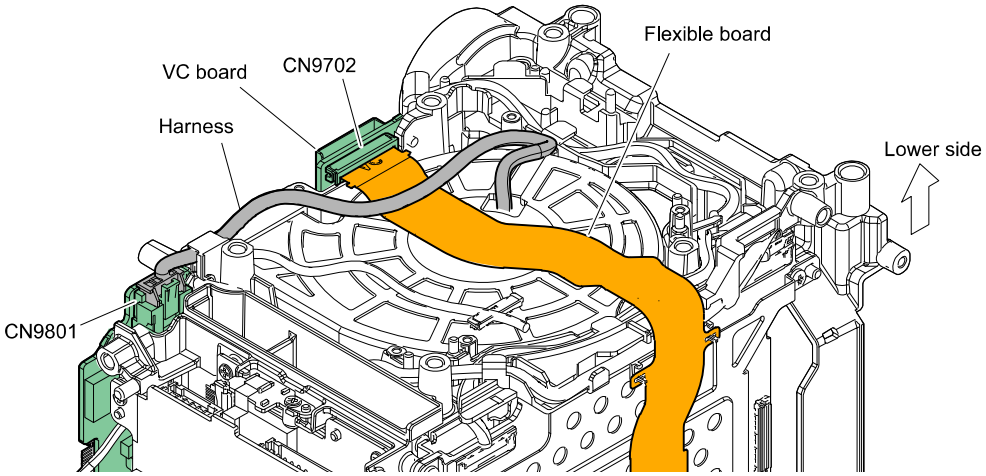
1. Disconnect the eight fine-wire coaxial cables from the connectors (CN9101, CN9200, CN9300, CN9301, CN9500, CN9550, CN9700, CN9701) on the VC board.



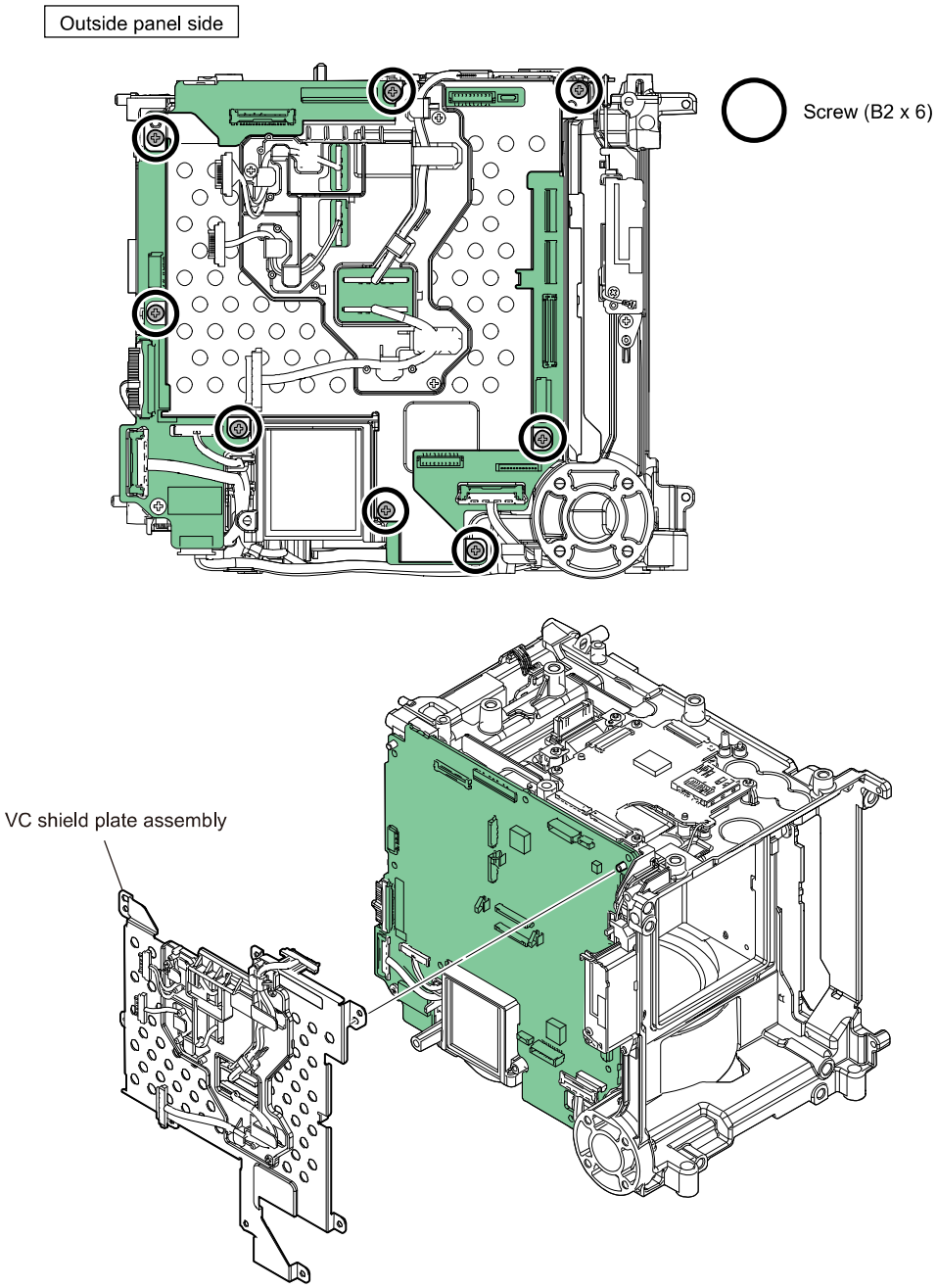
2. Disconnect the fine-wire coaxial cable from the connector (CN1004) on the WM board.



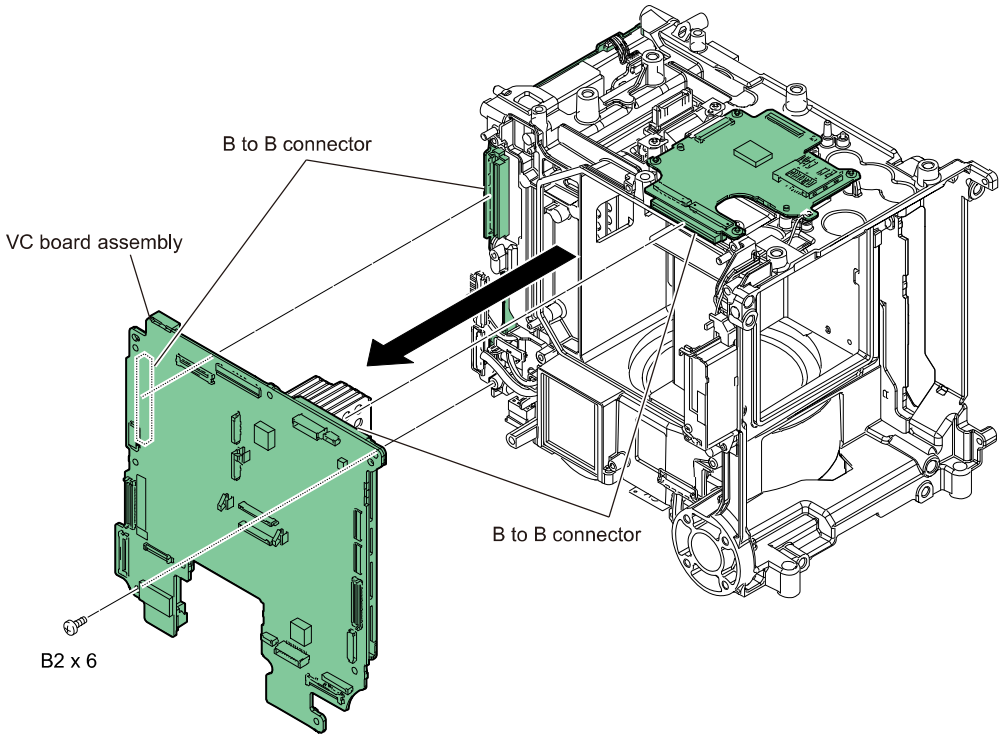
3. Disconnect the harness from the connector (CN9801) on the VC board.
4. Disconnect the flexible board from the connector (CN9702) on the VC board.



5. Remove the eight screws, and then remove the VC shield plate assembly.



6. Remove the screw.
7. Remove the VC board assembly from the two B to B connectors straight.



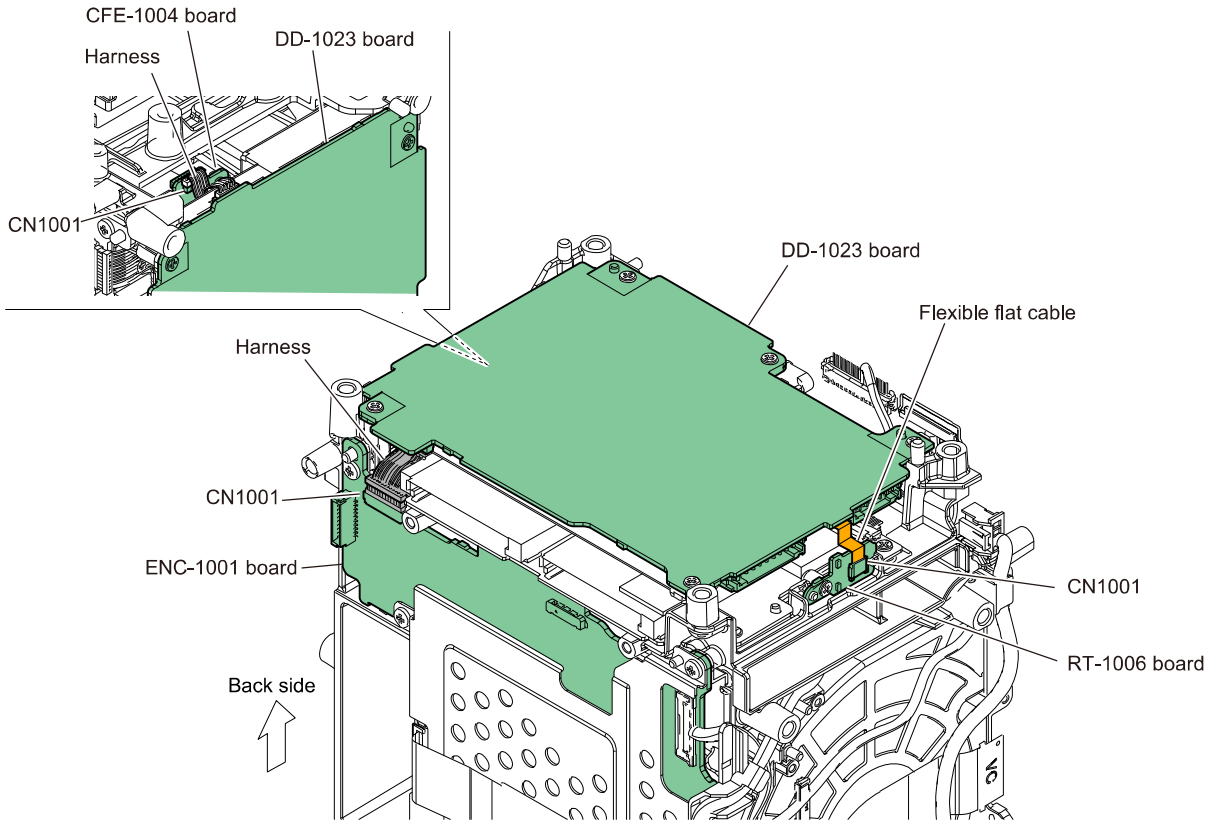
2-13. DD-1023 Board

Preparation

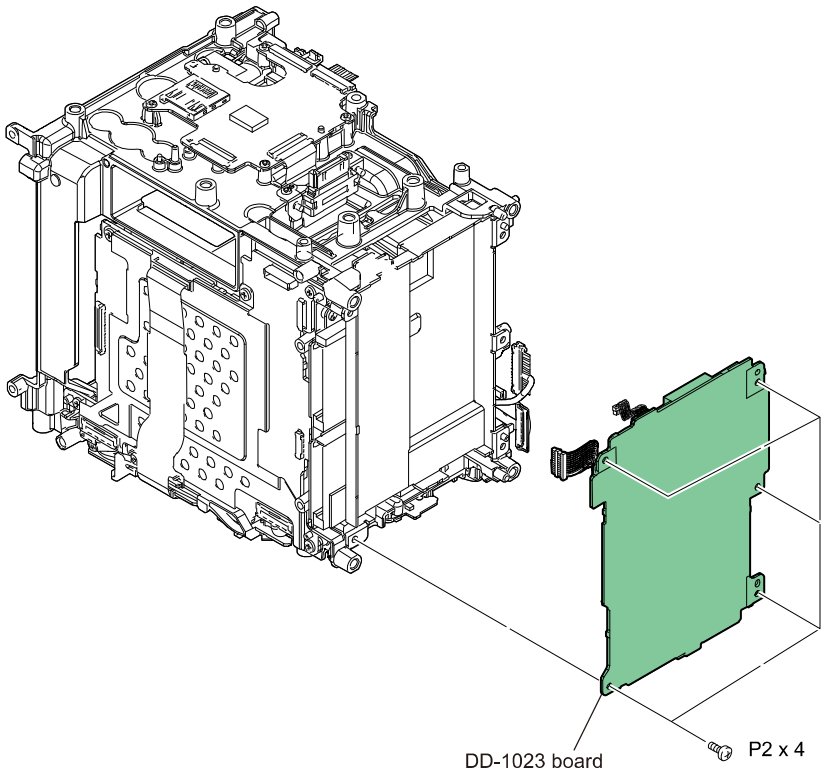
1. Remove the top cabinet assembly. (Refer to "2-3. Top Cabinet Assembly".)
2. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
3. Remove the outside panel block. (Refer to "2-5. Outside Panel Block".)
4. Remove the OHB block. (Refer to "2-6. OHB Block".)
5. Remove the rear block. (Refer to "2-7. Rear Block".)
6. Remove the inside panel block. (Refer to "2-8. Inside Panel Block".)
7. Remove the SD-1015 board. (Refer to "2-9. SD-1015 Board".)
8. Remove the fan holder assembly. (Refer to "2-10. Fan Holder Assembly".)
9. Remove the VC board assembly. (Refer to "2-12. VC Board Assembly".)

Procedure

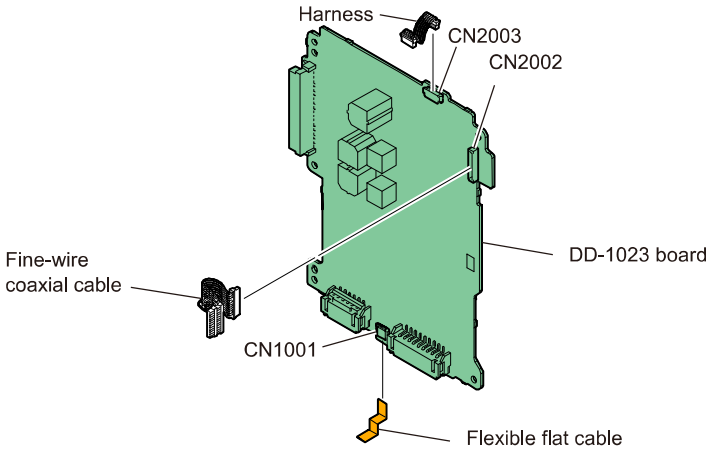
1. Disconnect the harness from the connector (CN1001) on the ENC-1001 board.
2. Disconnect the flexible flat cable from the connector (CN1001) on the RT-1006 board.
3. Disconnect the harness from the connector (CN1001) on the CFE-1004 board.



4. Remove the five screws, and then remove the DD-1023 board.



5. Disconnect the fine-wire coaxial cable from the connector (CN2002) on the DD-1023 board.
6. Disconnect the flexible flat cable from the connector (CN1001) on the DD-1023 board.
7. Disconnect the harness from the connector (CN2003) on the DD-1023 board.



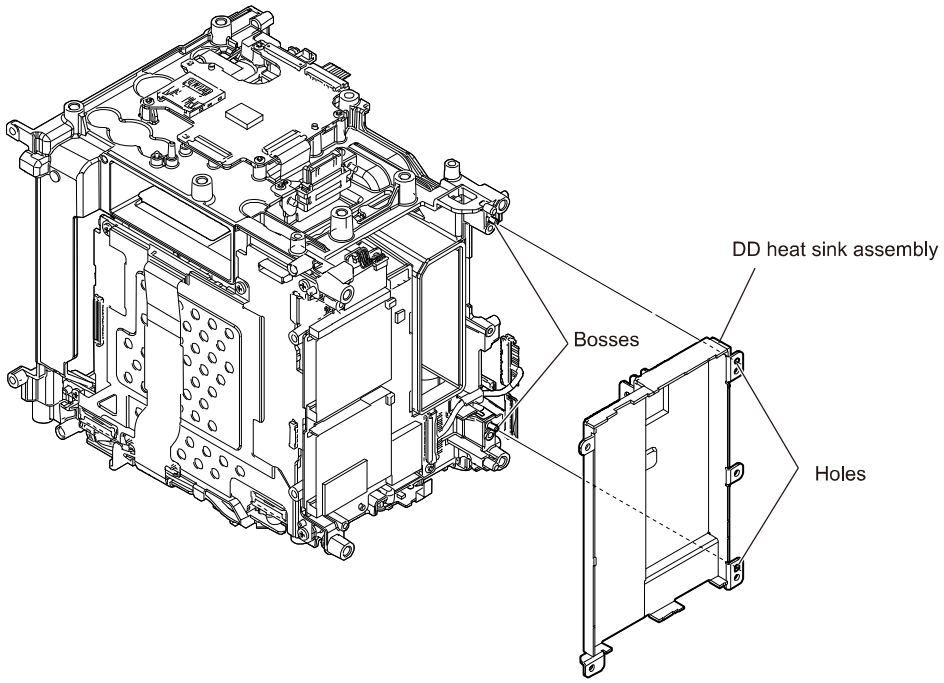
2-14. CFE-1004 Board

Preparation

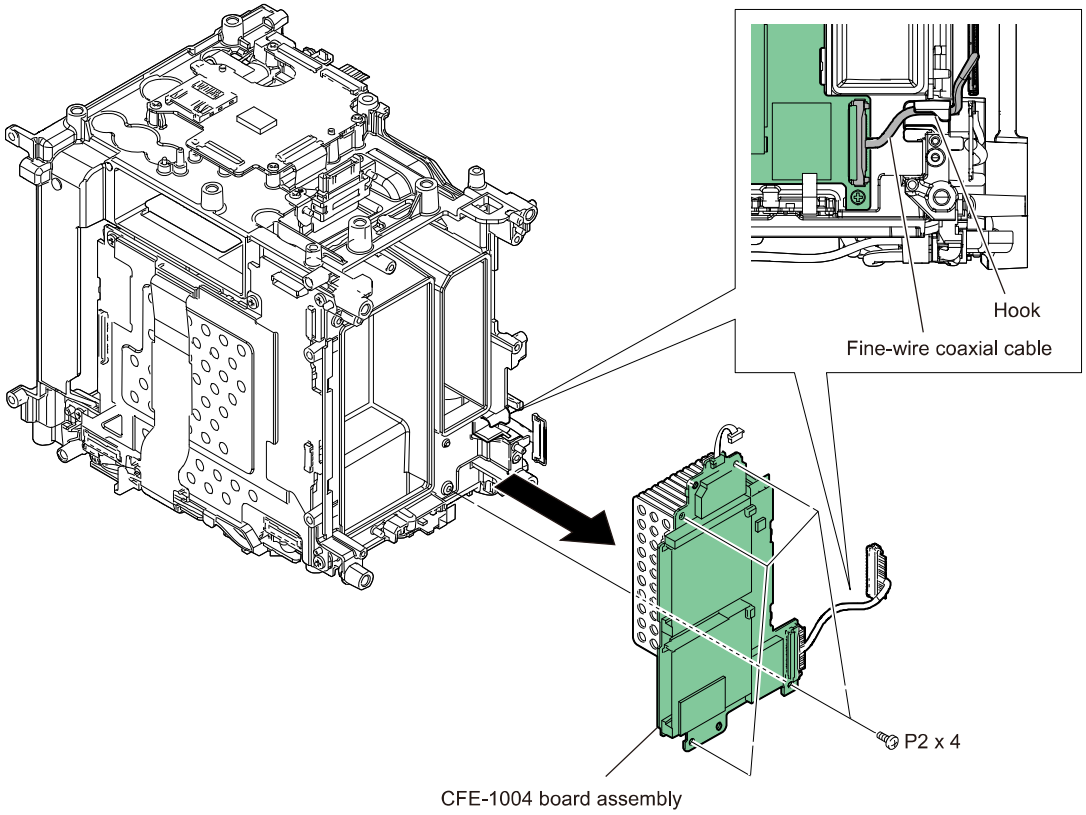
1. Remove the top cabinet assembly. (Refer to "2-3. Top Cabinet Assembly".)
2. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
3. Remove the outside panel block. (Refer to "2-5. Outside Panel Block".)
4. Remove the OHB block. (Refer to "2-6. OHB Block".)
5. Remove the rear block. (Refer to "2-7. Rear Block".)
6. Remove the inside panel block. (Refer to "2-8. Inside Panel Block".)
7. Remove the SD-1015 board. (Refer to "2-9. SD-1015 Board".)
8. Remove the fan holder assembly. (Refer to "2-10. Fan Holder Assembly".)
9. Remove the VC board assembly. (Refer to "2-12. VC Board Assembly".)
10. Remove the DD-1023 board. (Refer to "2-13. DD-1023 Board".)

Procedure

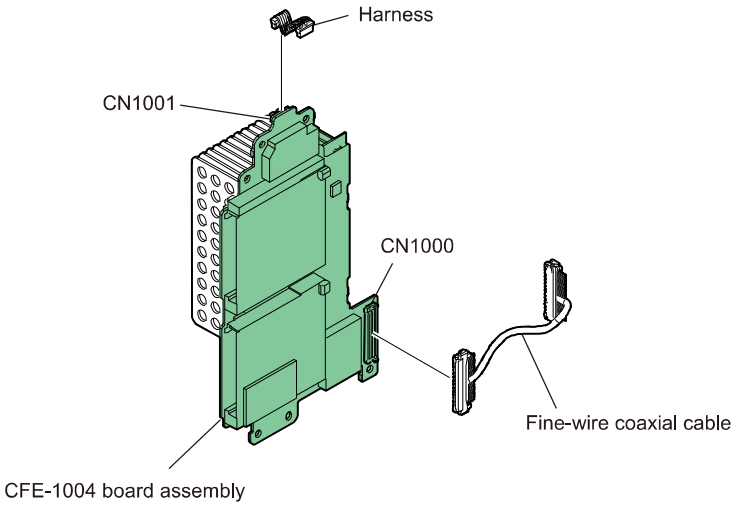
1. Remove the DD heat sink assembly.



2. Release the fine-wire coaxial cable from the hook.
3. Remove the four screws, and then remove the CFE-1004 board assembly straight in the direction of the arrow.



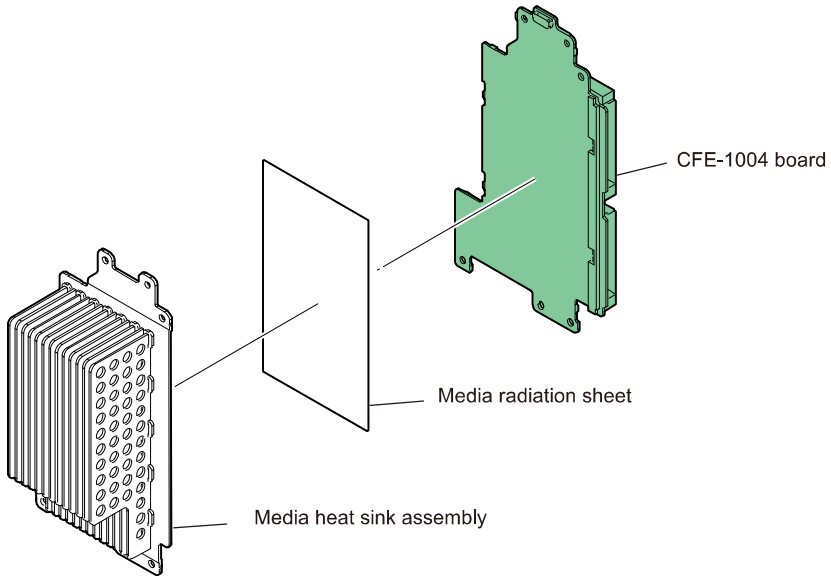
4. Disconnect the fine-wire coaxial cable from the connector (CN1000) on the CFE-1004 board assembly.
5. Disconnect the harness from the connector (CN1001) on the CFE-1004 board assembly.



6. Remove the media heat sink assembly and the media radiation sheet from the CFE-1004 board.

   Tip

   Replace the removed media radiation sheet with a new one.



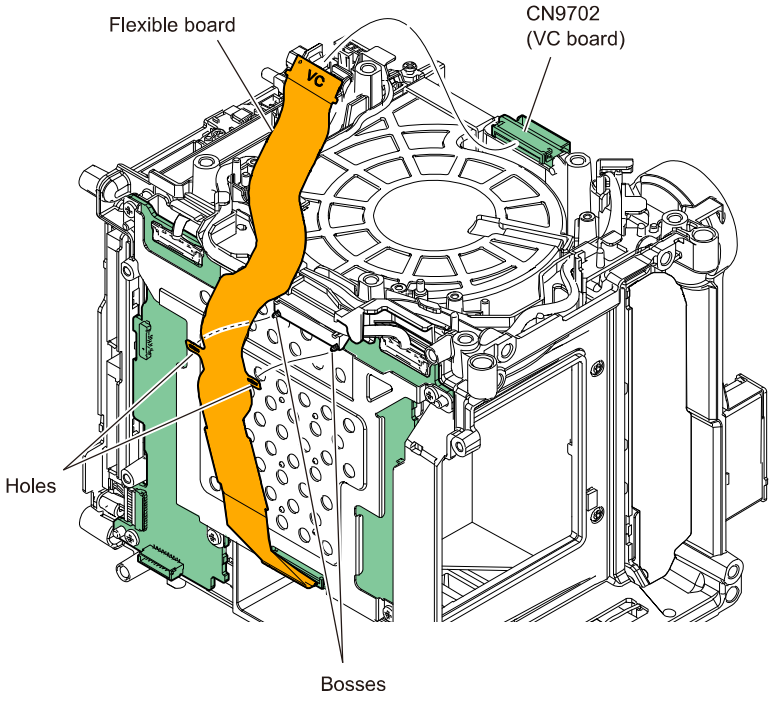
2-15. Bottom Harness Guide

Preparation

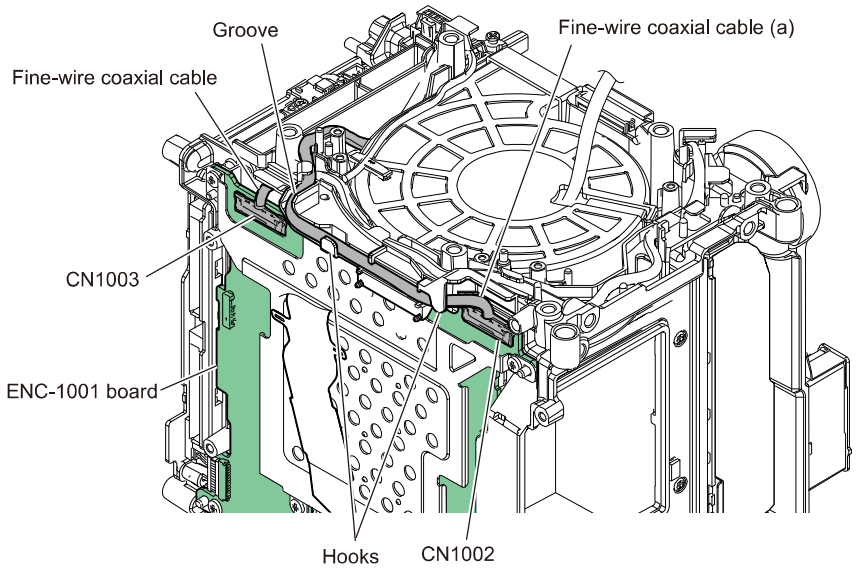
1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)
4. Remove the OHB block. (Refer to “2-6. OHB Block”.)
5. Remove the rear block. (Refer to “2-7. Rear Block”.)
6. Remove the inside panel block. (Refer to “2-8. Inside Panel Block”.)
7. Remove the SD-1015 board. (Refer to “2-9. SD-1015 Board”.)
8. Remove the fan holder assembly. (Refer to “2-10. Fan Holder Assembly”.)

Procedure

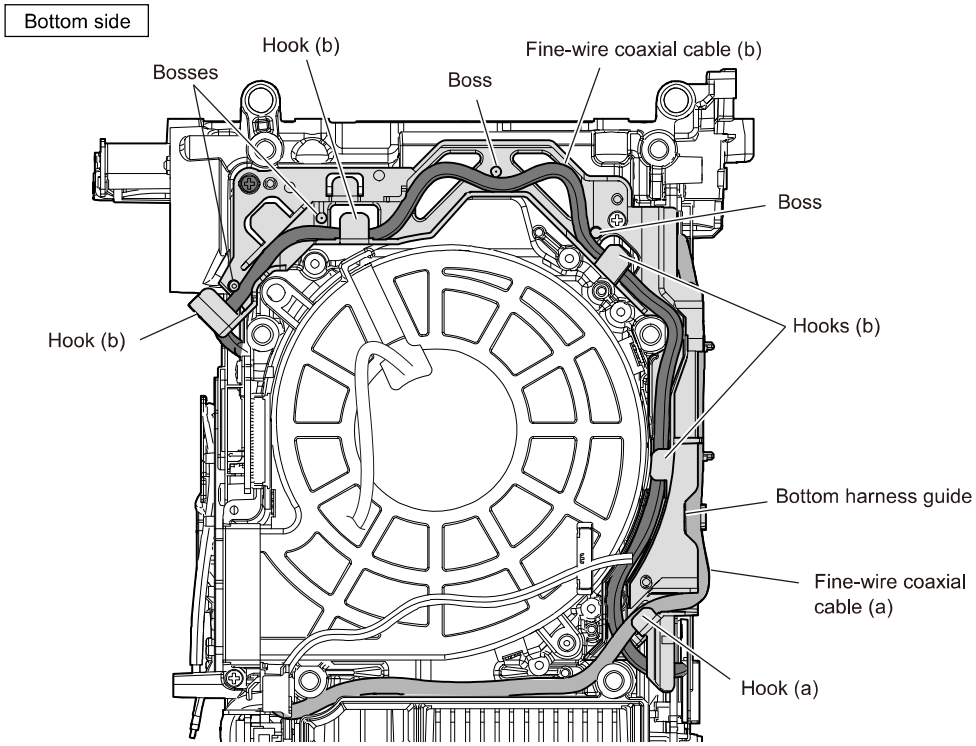
1. Disconnect the flexible board from the connector (CN9702) on the VC board.
2. Release the two holes of the flexible board from the two bosses.



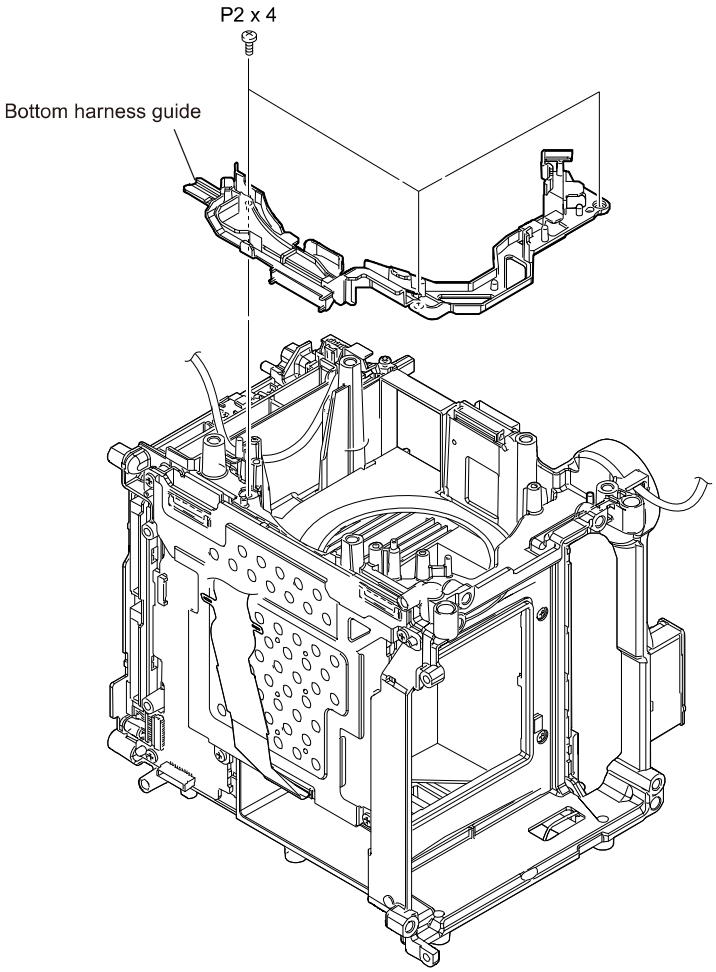
3. Disconnect the two fine-wire coaxial cables from the connectors (CN1002, CN1003) on the ENC-1001 board.
4. Release the fine-wire coaxial cable (a) from the two hooks and the groove.



5. Release the fine-wire coaxial cable (a) from the hook (a).
6. Release the fine-wire coaxial cable (b) from the four hooks (b) and the four bosses.



7. Remove the three screws, and then remove the bottom harness guide.



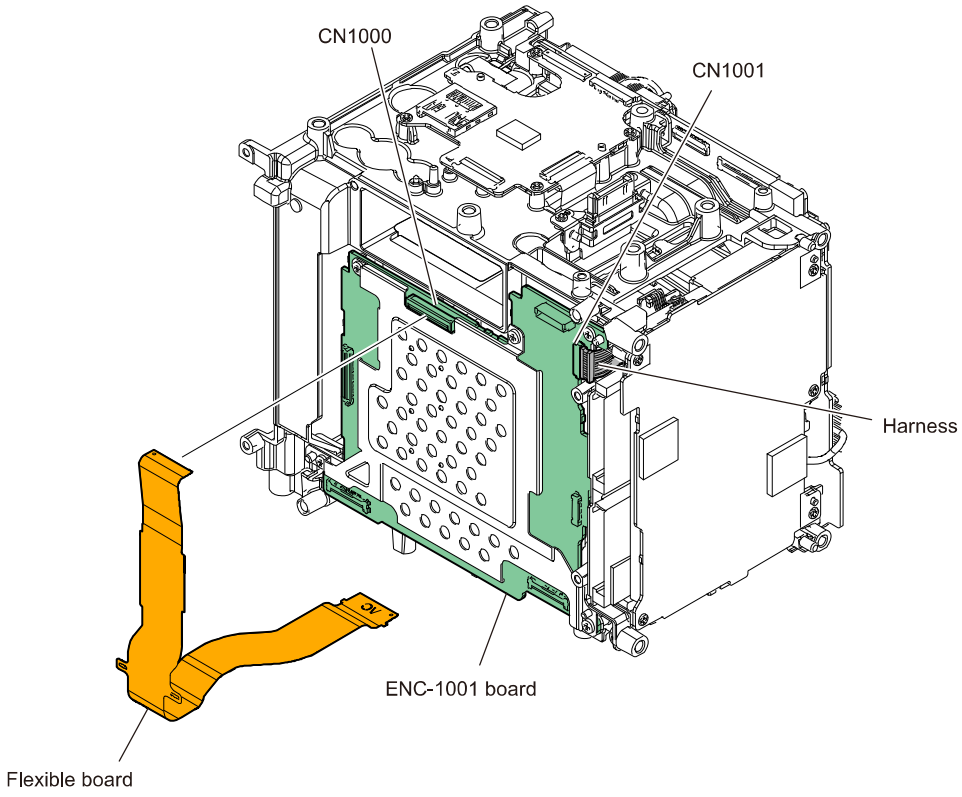
2-16. ENC-1001 Board

Preparation

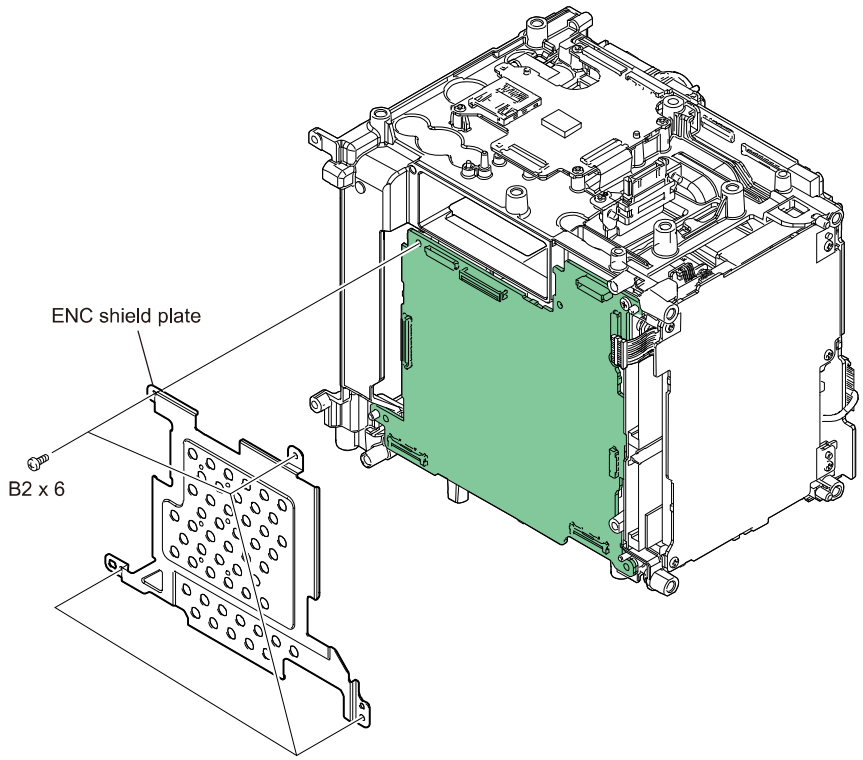
1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)
4. Remove the OHB block. (Refer to “2-6. OHB Block”.)
5. Remove the rear block. (Refer to “2-7. Rear Block”.)
6. Remove the inside panel block. (Refer to “2-8. Inside Panel Block”.)
7. Remove the SD-1015 board. (Refer to “2-9. SD-1015 Board”.)
8. Remove the fan holder assembly. (Refer to “2-10. Fan Holder Assembly”.)
9. Remove the bottom harness guide. (Refer to “2-15. Bottom Harness Guide”.)

Procedure

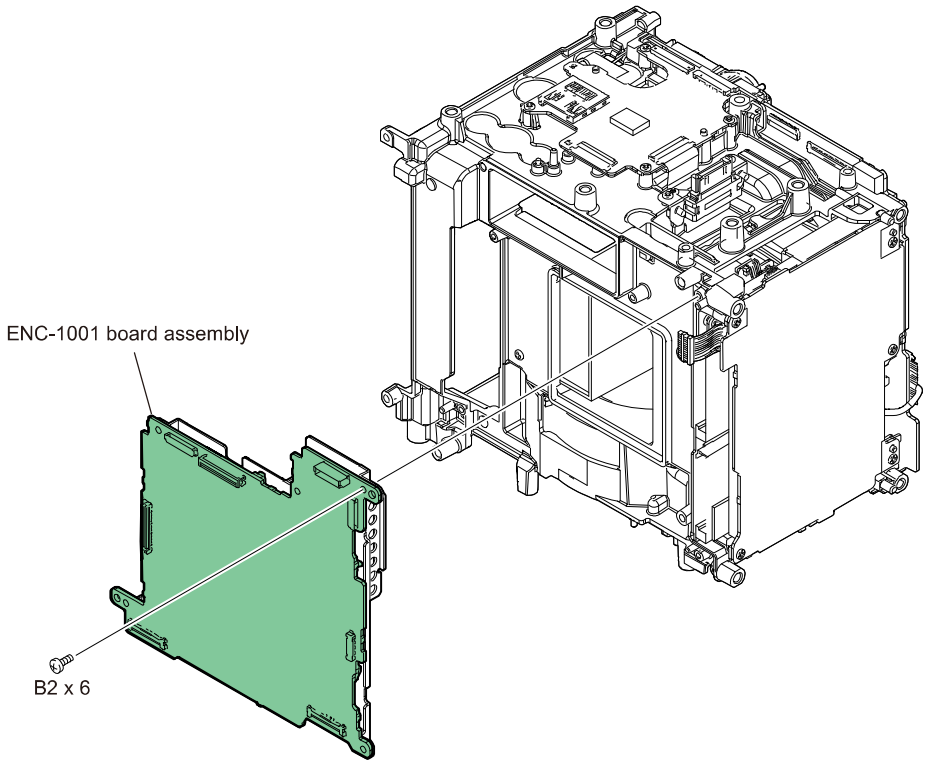
1. Disconnect the flexible board from the connector (CN1000) on the ENC-1001 board.
2. Disconnect the harness from the connector (CN1001) on the ENC-1001 board.



3. Remove the four screws, and then remove the ENC shield plate.



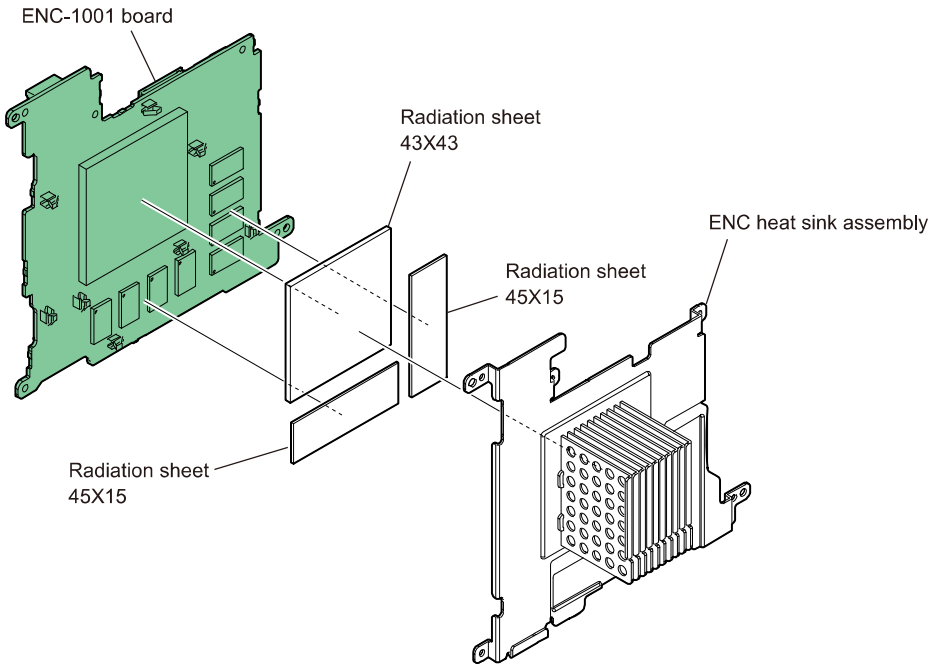
4. Remove the screw, and then remove the ENC-1001 board assembly.



5. Remove the ENC heat sink assembly.
6. Peel off the two radiation sheets 45X15, the radiation sheet 43X43 from the ENC-1001 board.

   Tip

   Replace the removed radiation sheet with a new one.



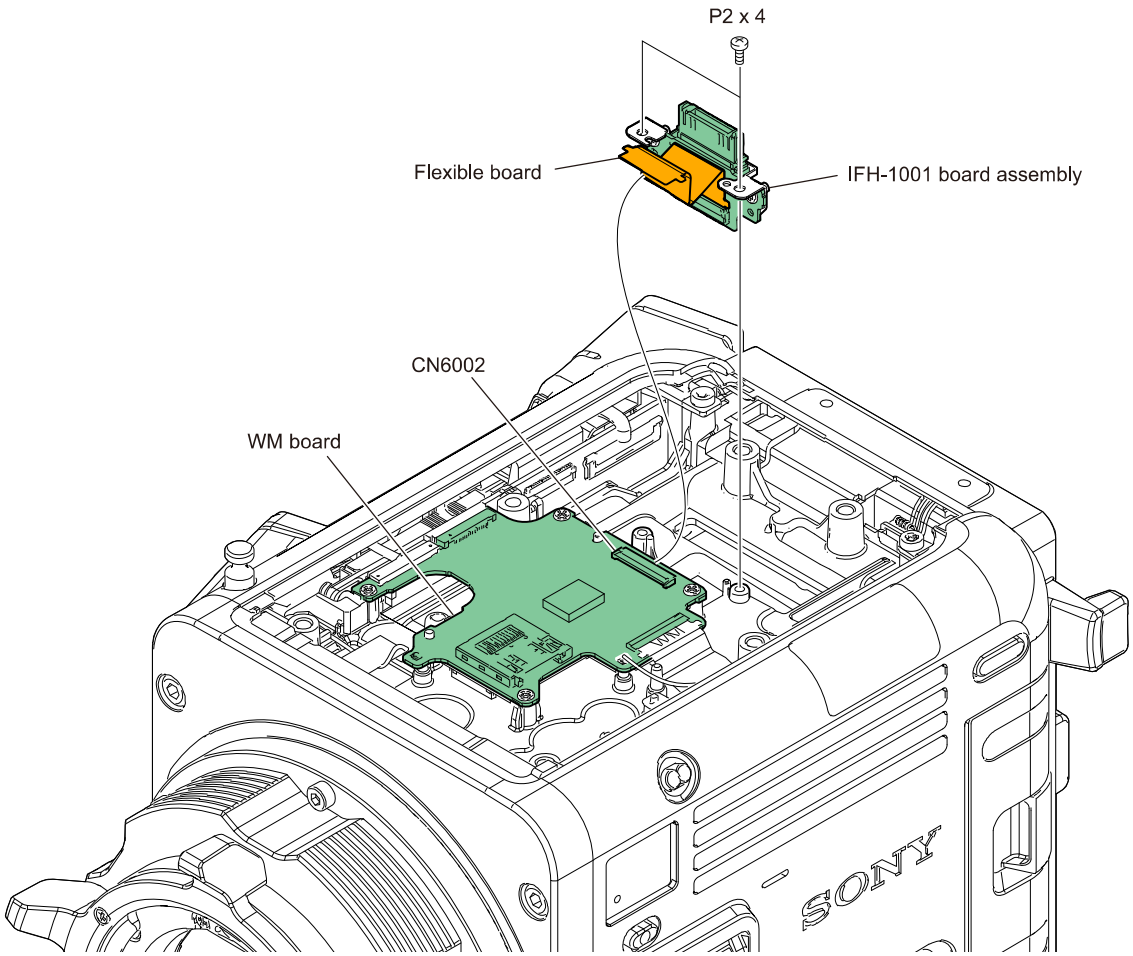
2-17. IFH-1001 Board

Preparation

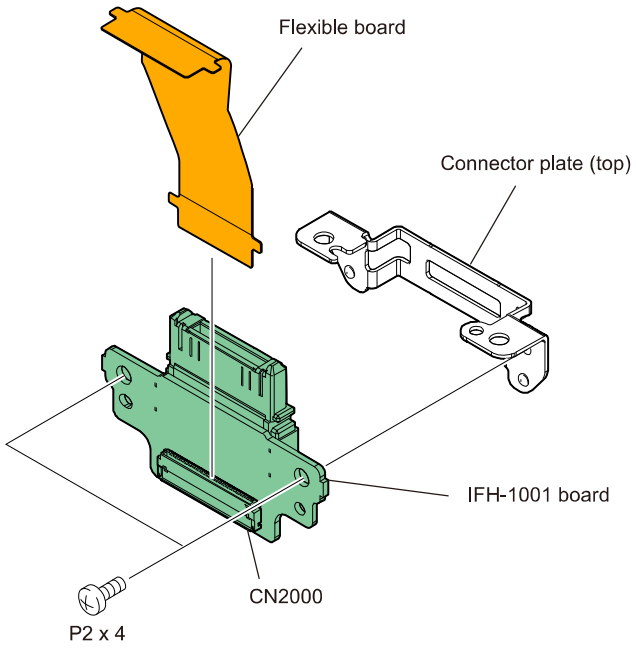
1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)

Procedure

1. Disconnect the flexible board from the connector (CN6002) on the WM board.
2. Remove the two screws, and then remove the IFH-1001 board assembly.



3. Disconnect the flexible board from the connector (CN2000) on the IFH-1001 board.
4. Remove the two screws, and then remove the IFH-1001 board from the connector plate (top).



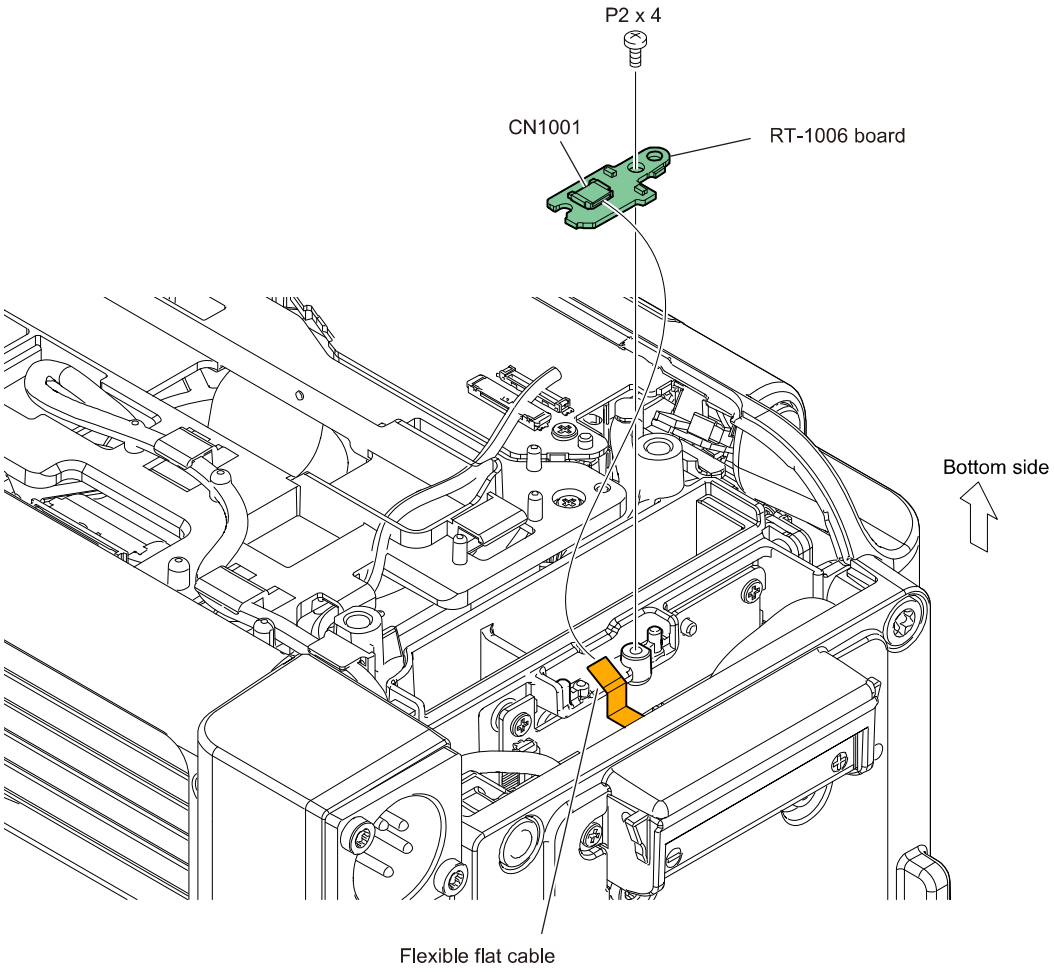
2-18. RT-1006 Board

Preparation

1. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)

Procedure

1. Disconnect the flexible flat cable from the connector (CN1001) on the RT-1006 board.
2. Remove the screw, and then remove the RT-1006 board.



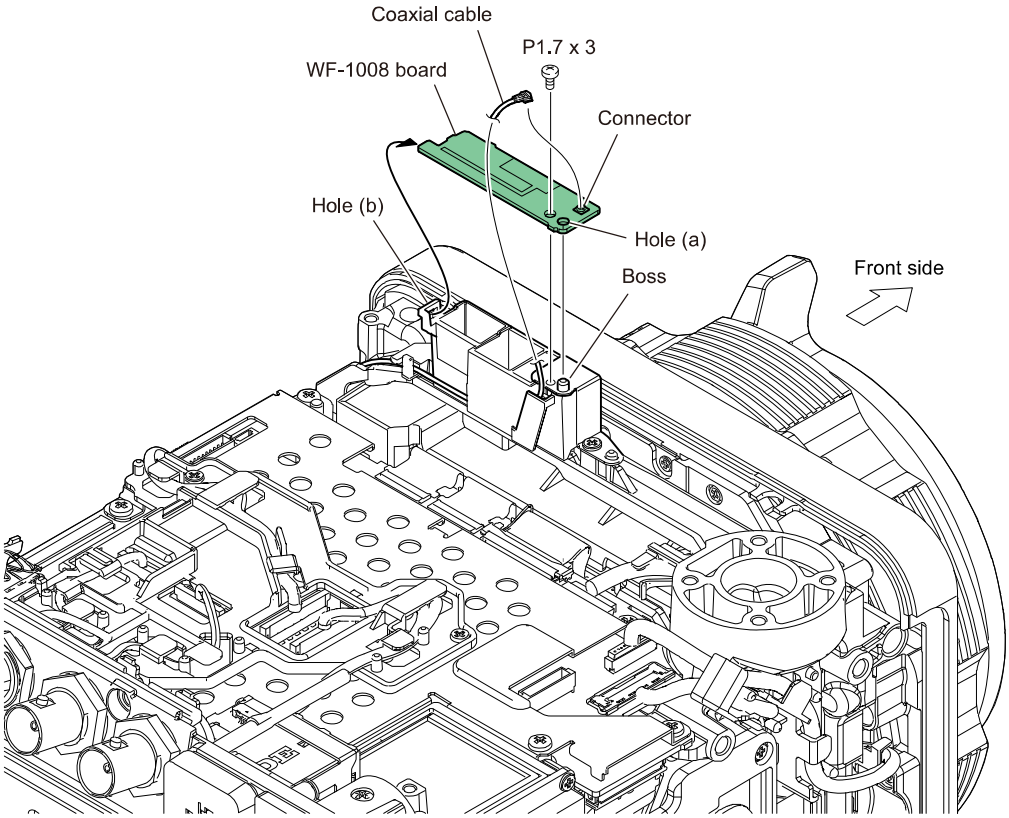
2-19. WF-1008 Board

Preparation

1. Remove the top cabinet assembly. (Refer to "2-3. Top Cabinet Assembly".)
2. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
3. Remove the outside panel block. (Refer to "2-5. Outside Panel Block".)

Procedure

1. Disconnect the coaxial cable from the connector on the WF-1008 board.
2. Release the hole (a) from the boss and pull out the WF-1008 board from the hole (b), and then remove it.



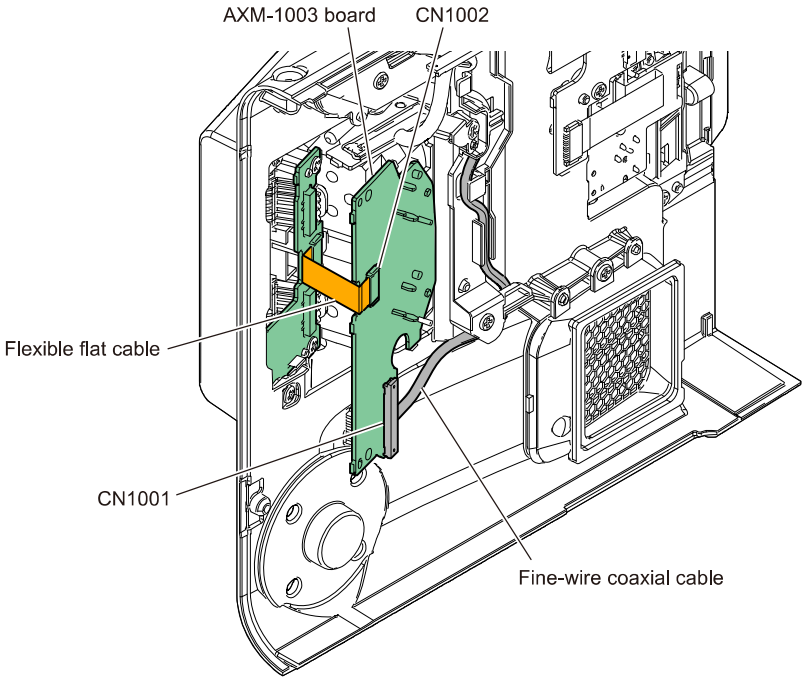
2-20. AXM-1003 Board

Preparation

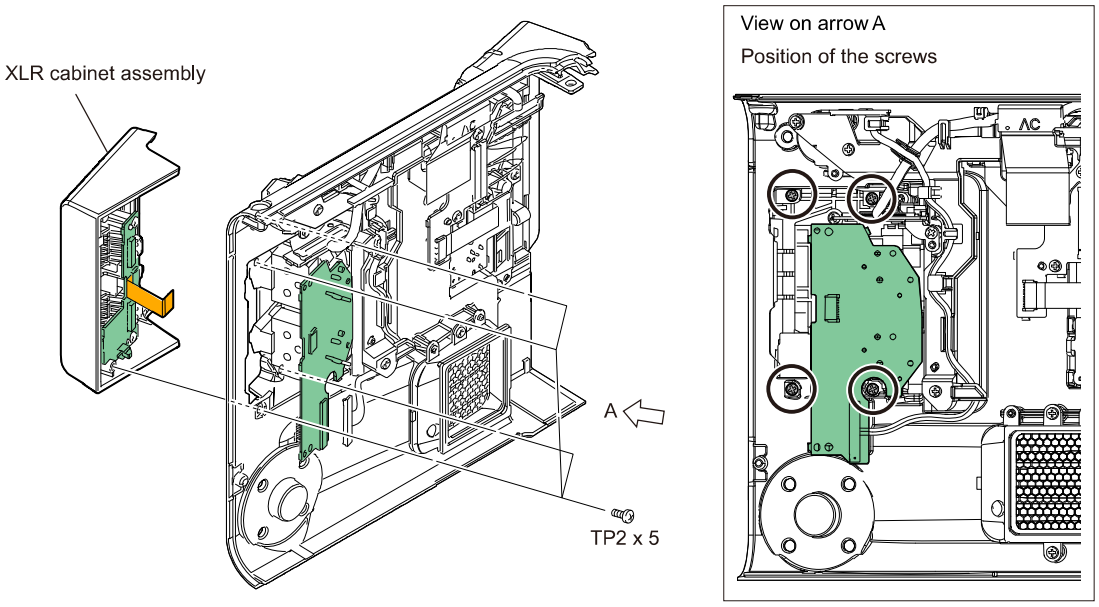
1. Remove the top cabinet assembly. (Refer to "2-3. Top Cabinet Assembly".)
2. Remove the bottom assembly. (Refer to "2-4. Bottom Assembly".)
3. Remove the outside panel block. (Refer to "2-5. Outside Panel Block".)

Procedure

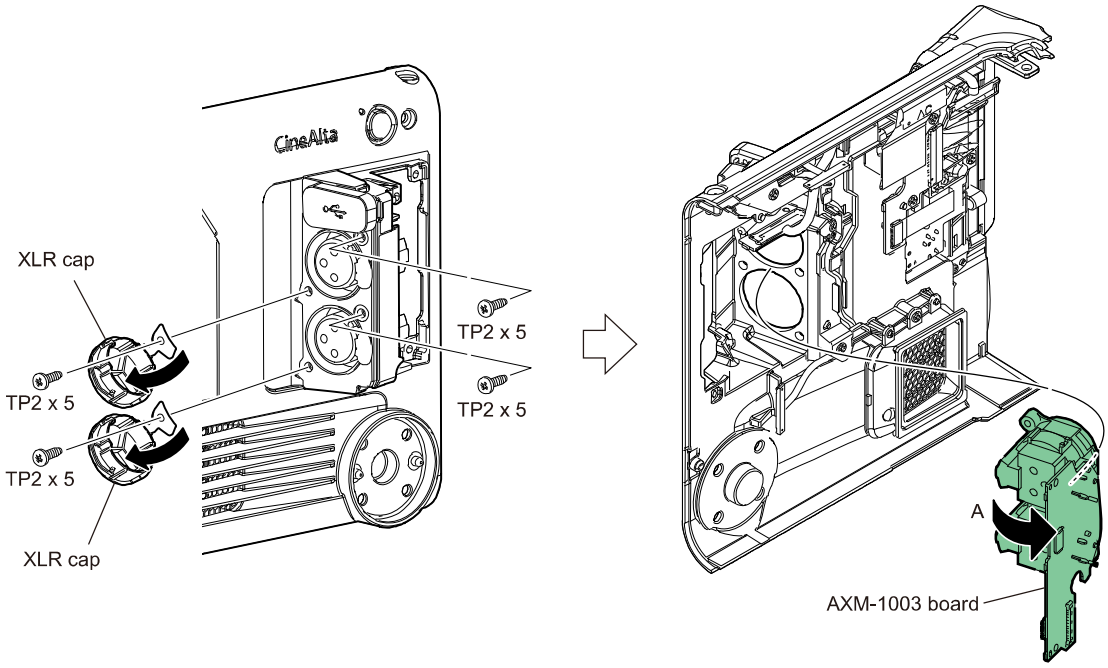
1. Disconnect the flexible flat cable from the connector (CN1002) on the AXM-1003 board.
2. Disconnect the fine-wire coaxial cable from the connector (CN1001) on the AXM-1003 board.



3. Remove the four screws, and then remove the XLR cabinet assembly.



4. Open the two XLR caps, and the remove the four screws.
5. Tilt the AXM-1003 board in the direction of arrow A and remove it.



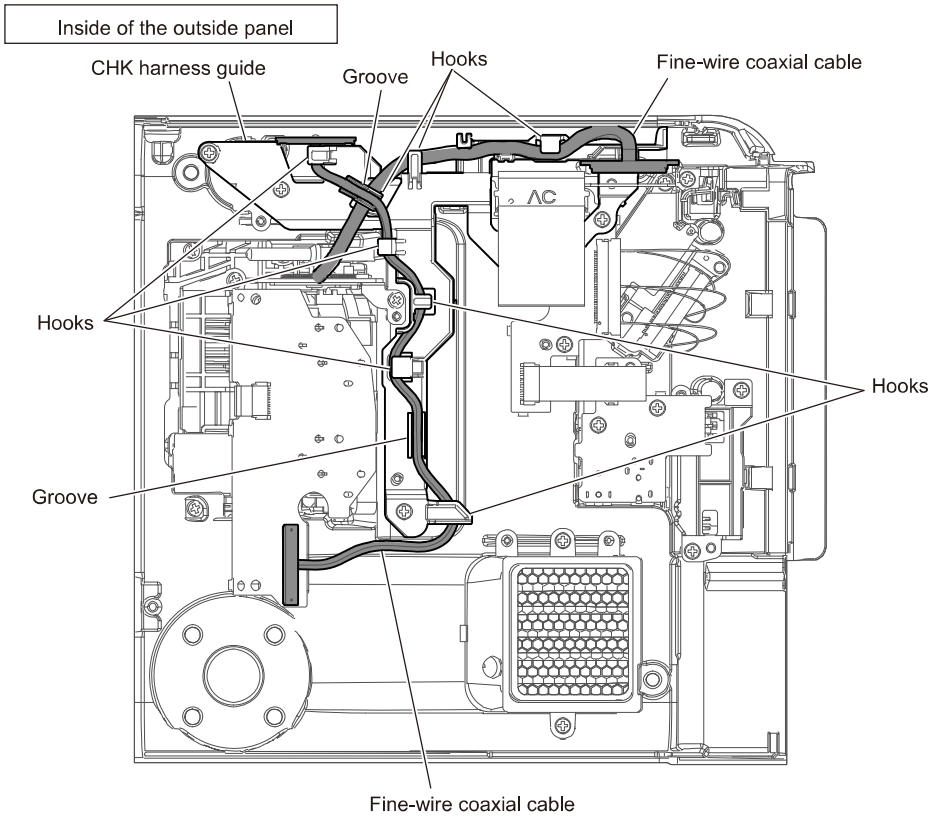
2-21. CHK-1001 Board

Preparation

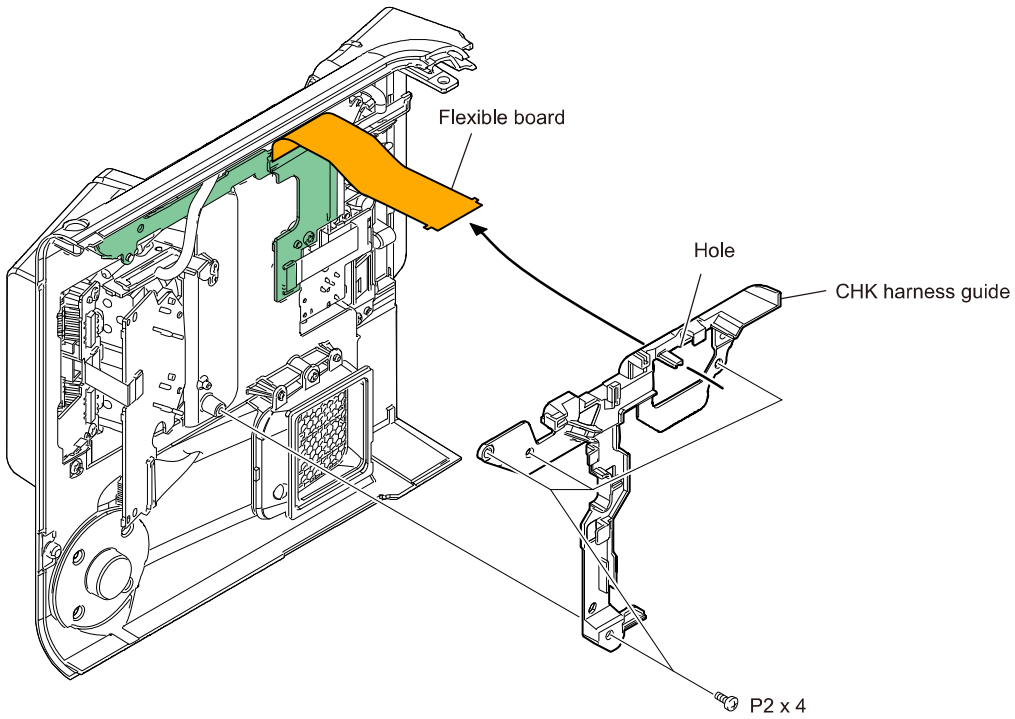
1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)

Procedure

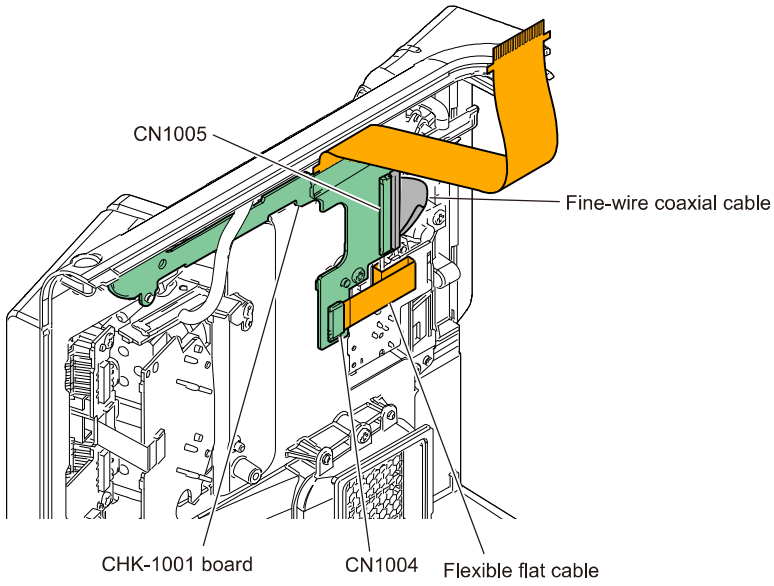
1. Release the two fine-wire coaxial cables from the two grooves and the eight hooks of the CHK harness guide.



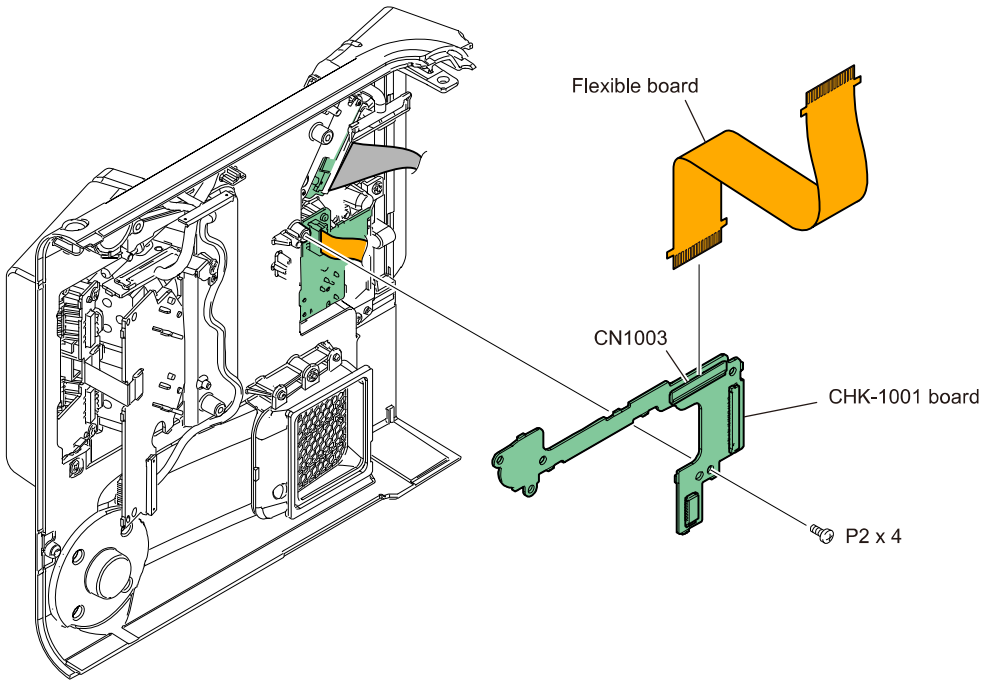
2. Remove the four screws, and then remove the CHK harness guide.



3. Disconnect the fine-wire coaxial cable from the connector (CN1005) on the CHK-1001 board.
4. Disconnect the flexible flat cable from the connector (CN1004) on the CHK-1001 board.



5. Remove the screw, and then remove the CHK-1001 board.
6. Disconnect the flexible board from the connector (CN1003) on the CHK-1001 board.



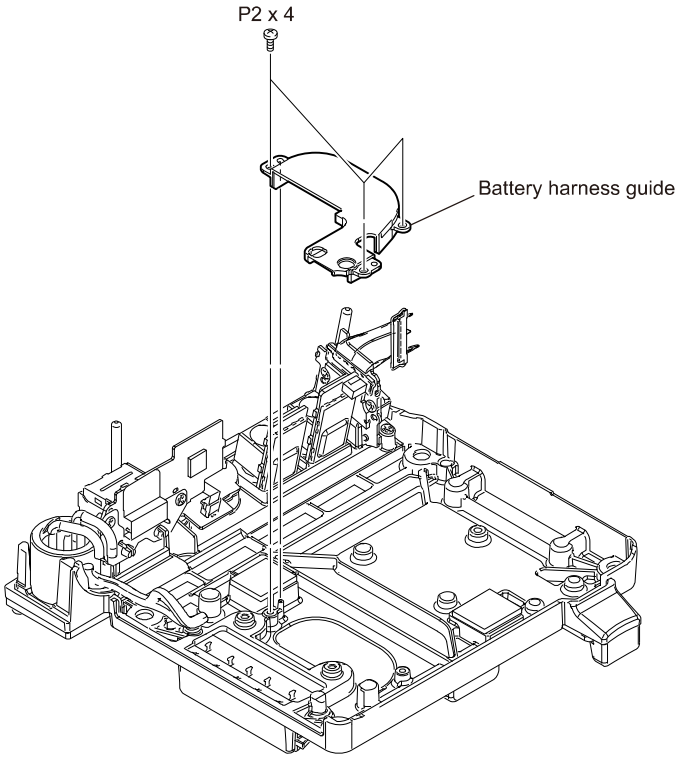
2-22. Battery Terminal

Preparation

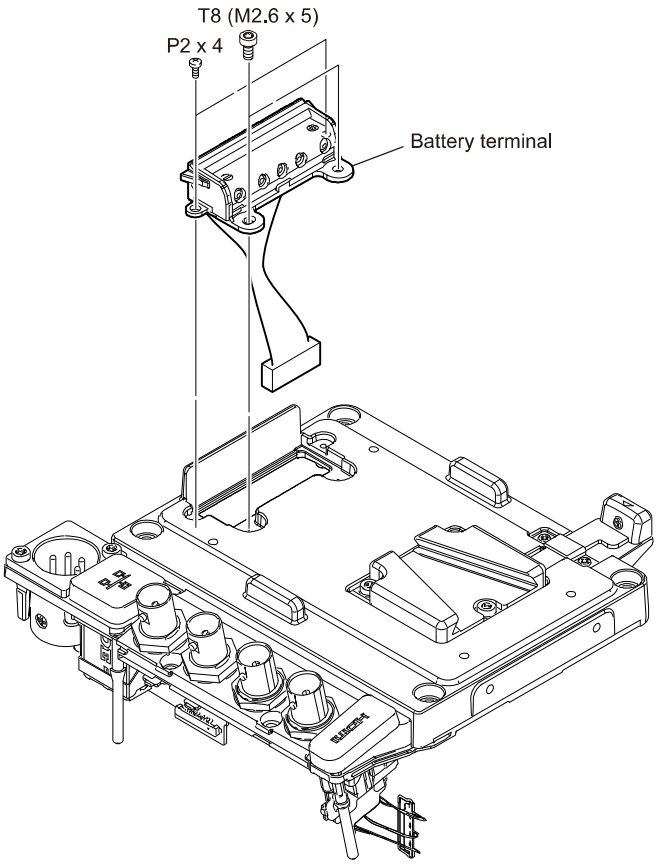
1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)
4. Remove the OHB block. (Refer to “2-6. OHB Block”.)
5. Remove the rear block. (Refer to “2-7. Rear Block”.)

Procedure

1. Remove the three screws, and then remove the battery harness guide.



2. Remove the two hexalobular screws and the two screws (P2 x 4), and then remove the battery terminal.



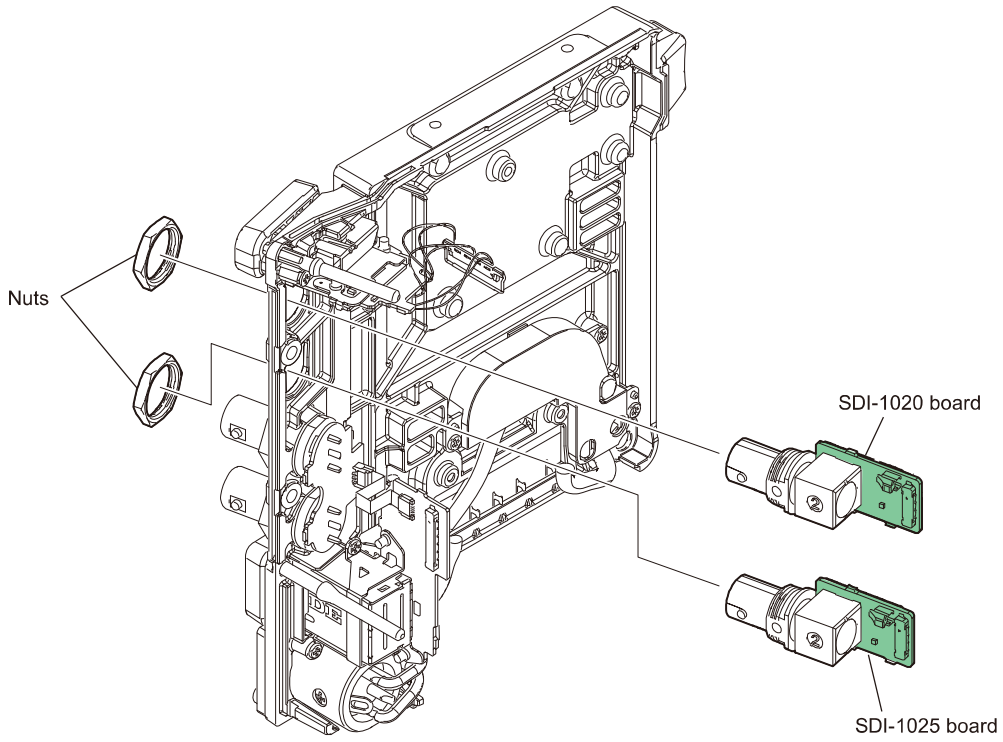
2-23. SDI-1020 Board, SDI-1025 Board

Preparation

1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)
4. Remove the OHB block. (Refer to “2-6. OHB Block”.)
5. Remove the rear block. (Refer to “2-7. Rear Block”.)

Procedure

1. Remove the two nuts, and then remove the SDI-1020 board and the SDI-1025 board.



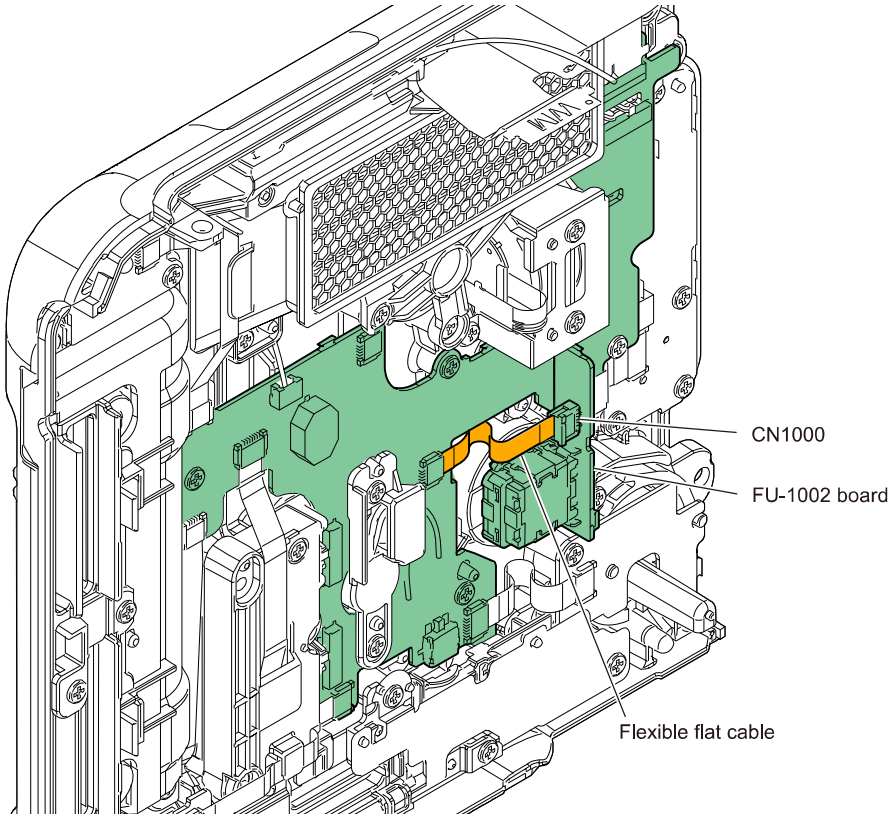
2-24. FU-1002 Board

Preparation

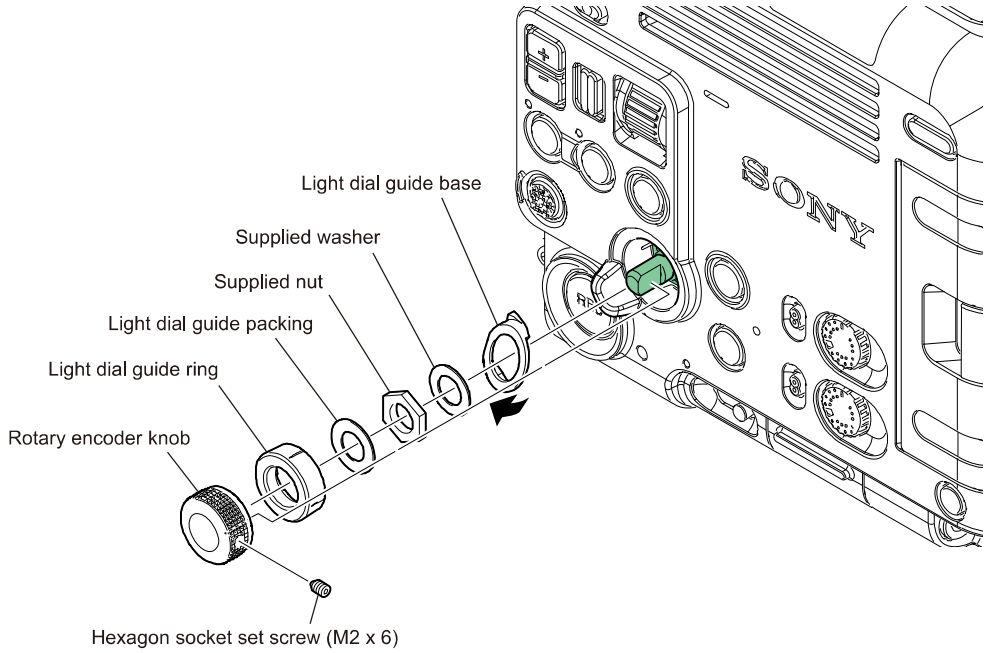
1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)
4. Remove the OHB block. (Refer to “2-6. OHB Block”.)
5. Remove the rear block. (Refer to “2-7. Rear Block”.)
6. Remove the inside panel block. (Refer to “2-8. Inside Panel Block”.)

Procedure

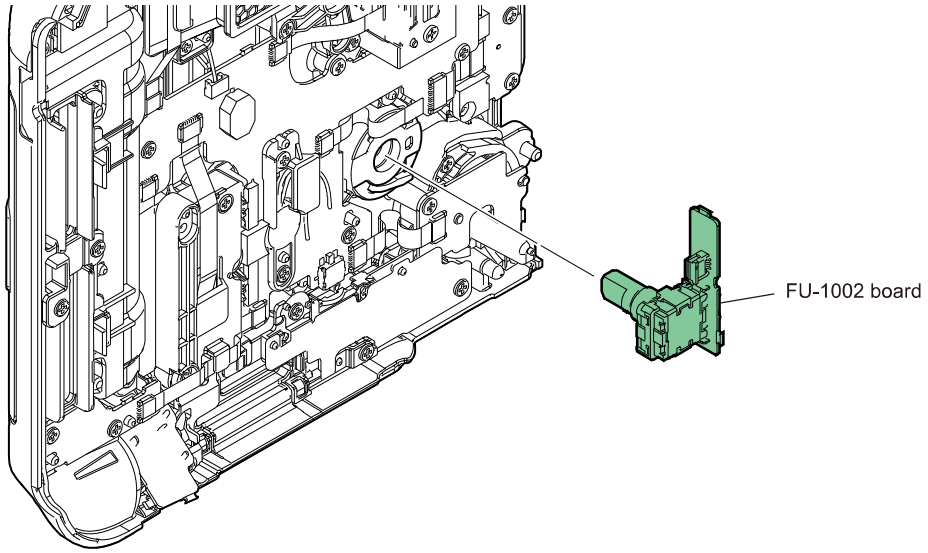
1. Disconnect the flexible flat cable from the connector (CN1000) on the FU-1002 board.



2. Remove the hexagon socket set screw, and then remove the rotary encoder knob.
3. Remove the light dial guide ring.
4. Remove the light dial guide packing.
5. Remove the supplied nut and the supplied washer.
6. Tilt the light dial guide base in the direction of arrow and remove it.



7. Remove the FU-1002 board.



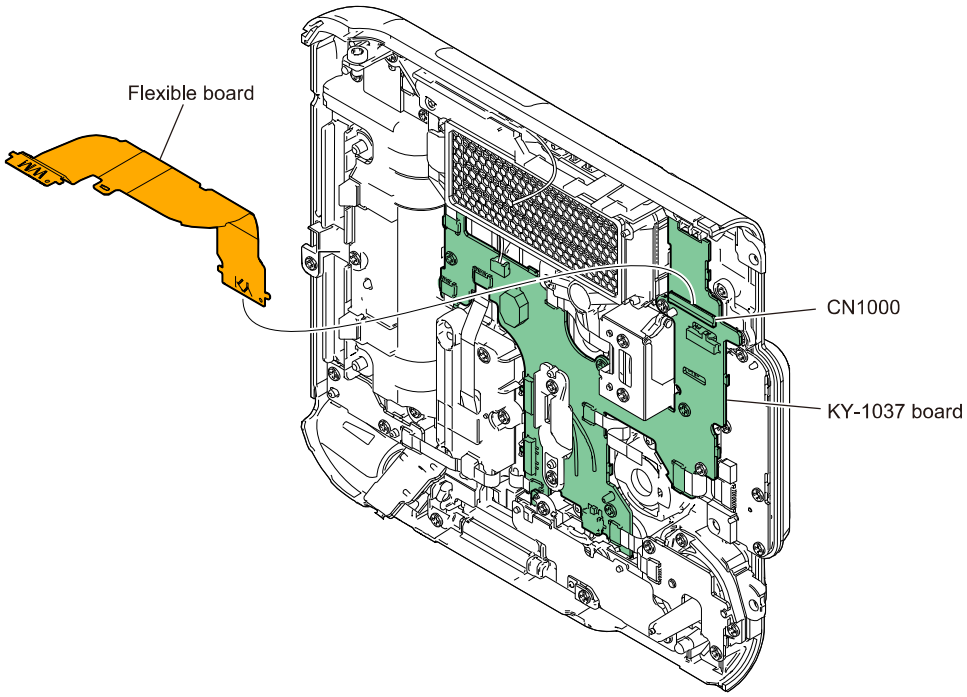
2-25. KY-1037 Board

Preparation

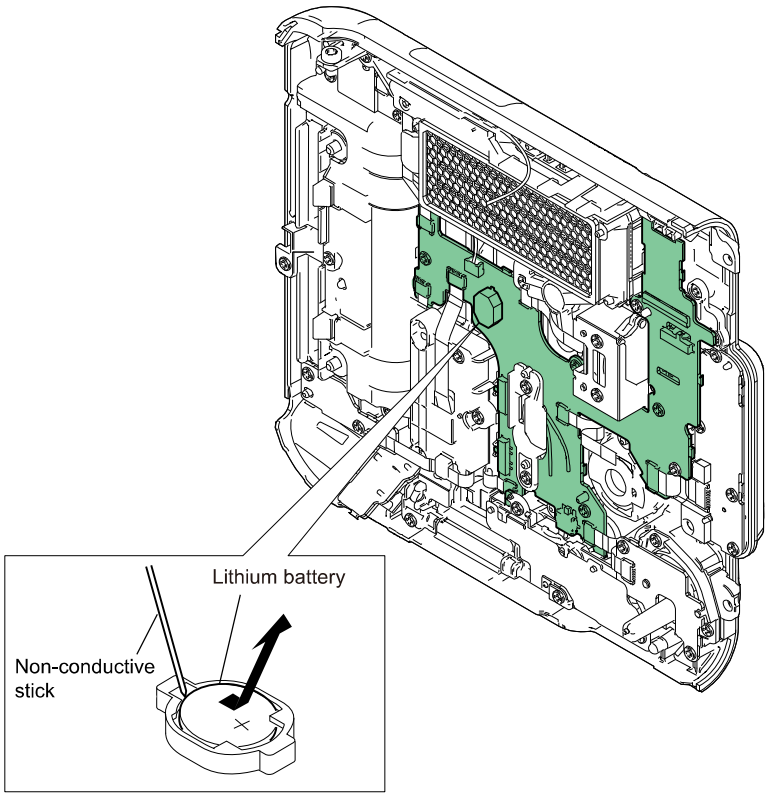
1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)
4. Remove the OHB block. (Refer to “2-6. OHB Block”.)
5. Remove the rear block. (Refer to “2-7. Rear Block”.)
6. Remove the inside panel block. (Refer to “2-8. Inside Panel Block”.)
7. Remove the FU-1002 board. (Refer to “2-24. FU-1002 Board”.)

Procedure

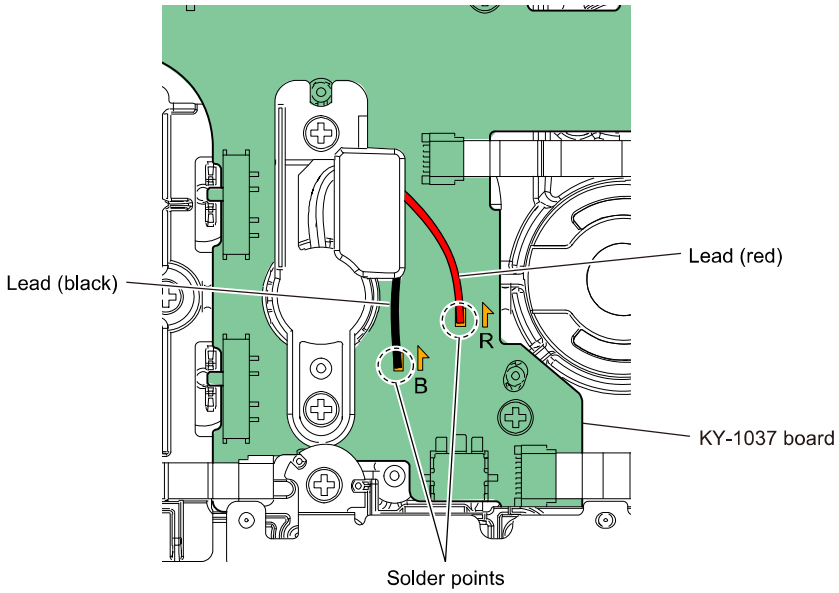
1. Disconnect the flexible board from the connector (CN1000) on the KY-1037 board.



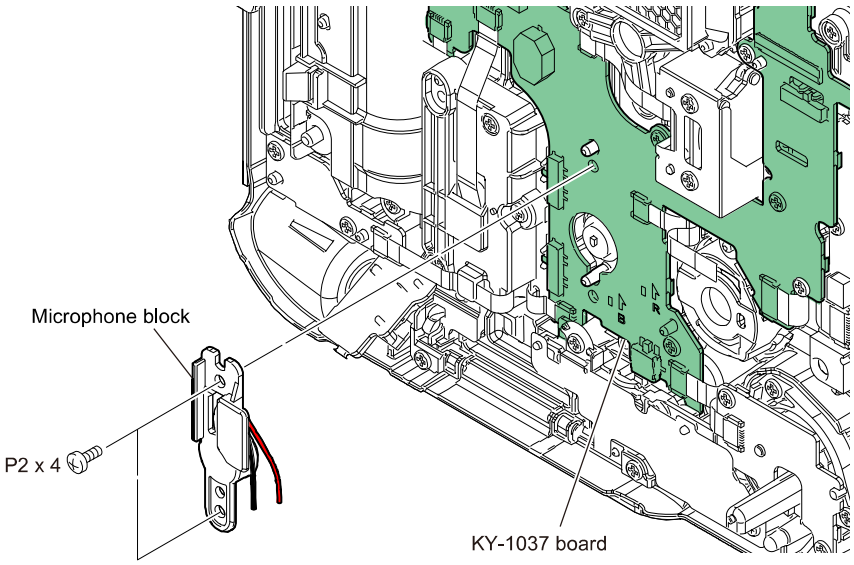
2. Remove the lithium battery.



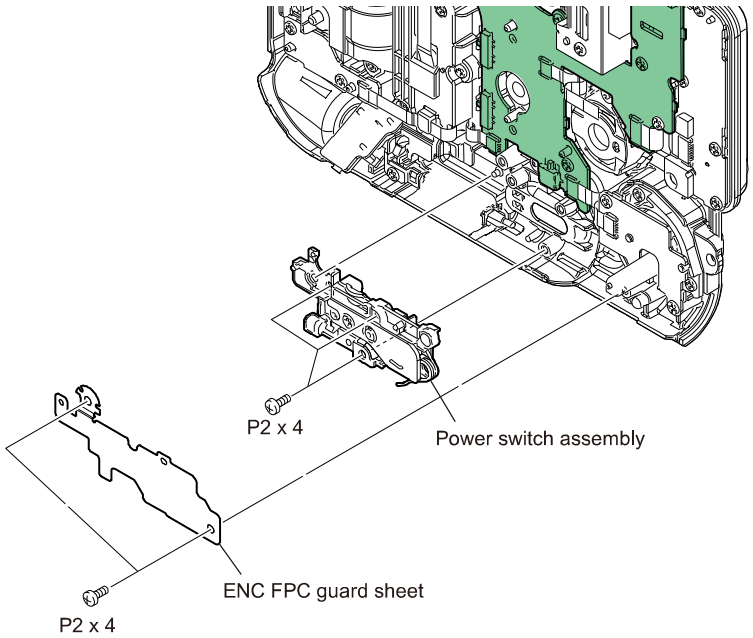
3. Remove solder at the two positions shown below.



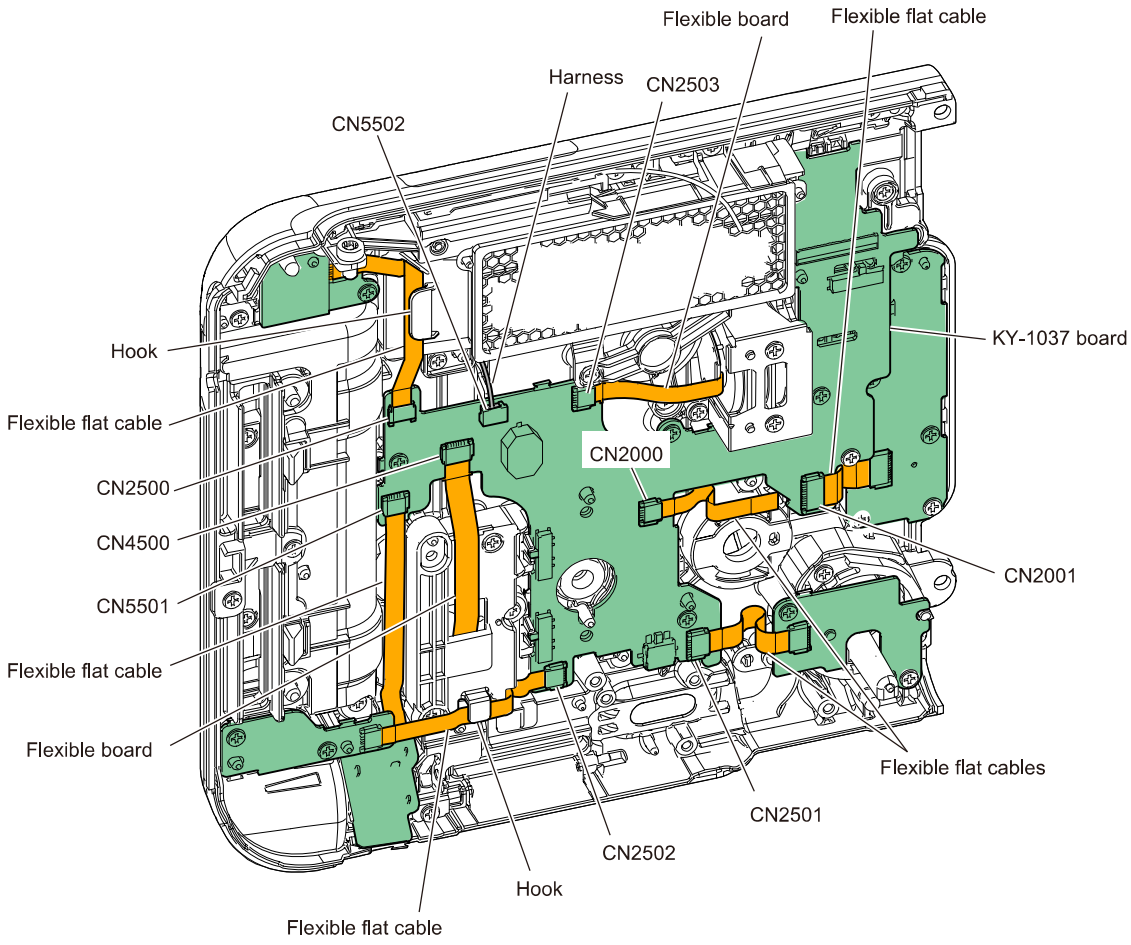
4. Remove the two screws, and then remove the microphone block.



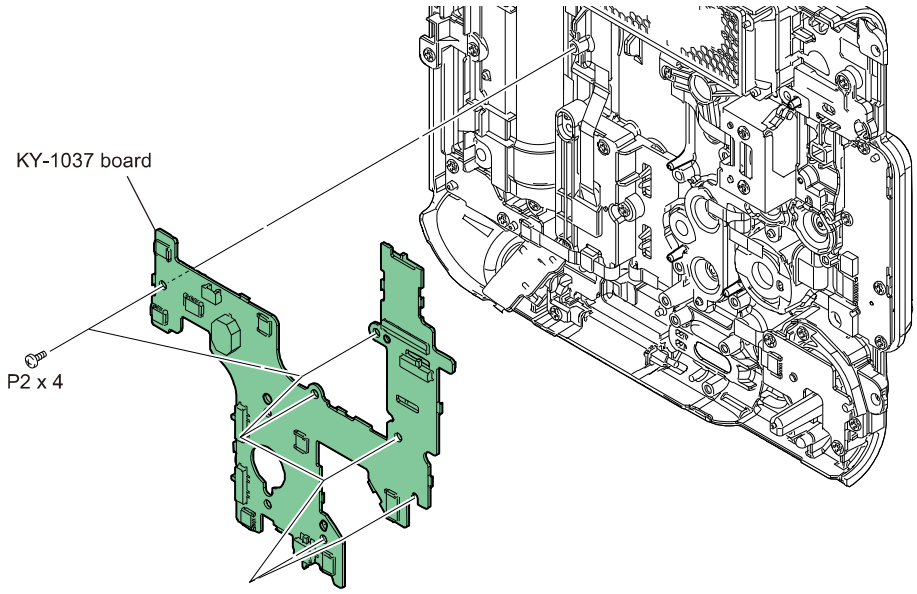
5. Remove the two screws, and then remove the ENC FPC guard sheet.
6. Remove the three screws, and then remove the power switch assembly.



7. Disconnect the six flexible flat cables from the connectors (CN2000, CN2001, CN2500, CN2501, CN2502, CN5501) on the KY-1037 board.
8. Release the flexible flat cable from the two hooks.
9. Disconnect the two flexible boards from the connectors (CN4500, CN2503) on the KY-1037 board.
10. Disconnect the harness from the connector (CN5502) on the KY-1037 board.



11. Remove the six screws, and then remove the KY-1037 board.



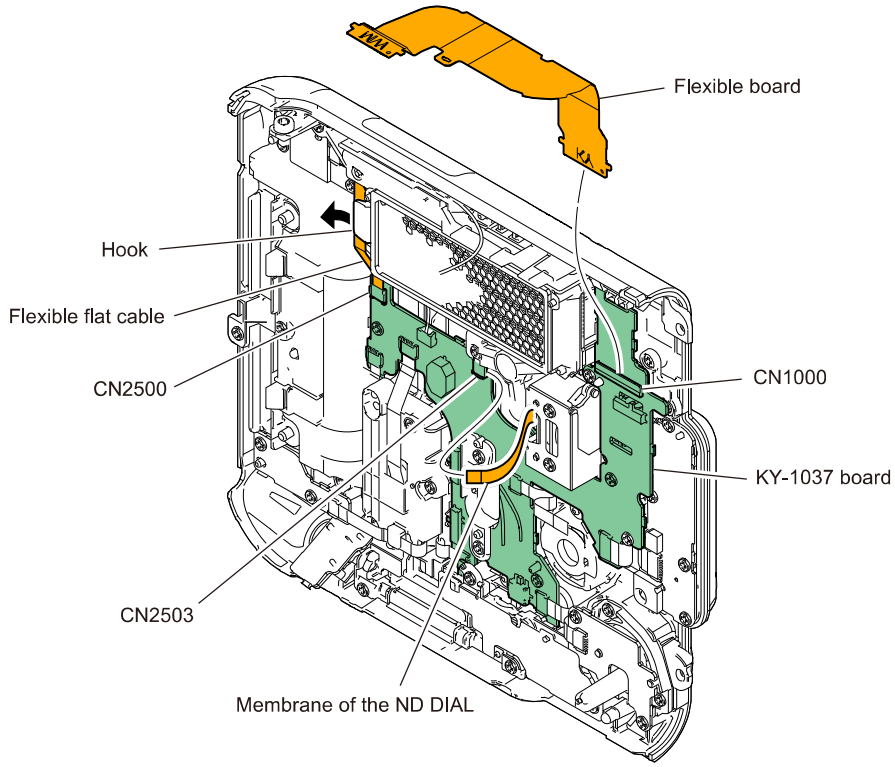
2-26. Speaker

Preparation

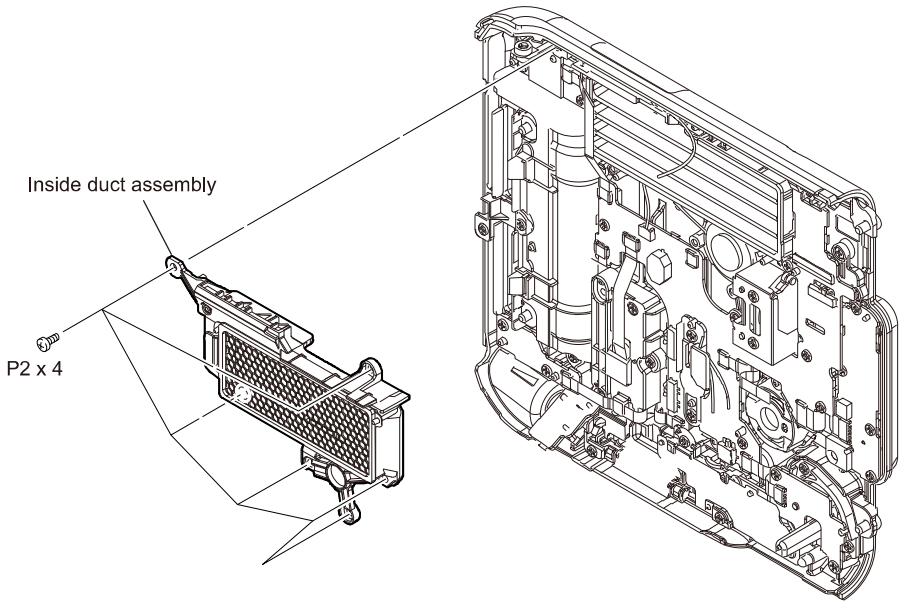
1. Remove the top cabinet assembly. (Refer to “2-3. Top Cabinet Assembly”.)
2. Remove the bottom assembly. (Refer to “2-4. Bottom Assembly”.)
3. Remove the outside panel block. (Refer to “2-5. Outside Panel Block”.)
4. Remove the OHB block. (Refer to “2-6. OHB Block”.)
5. Remove the rear block. (Refer to “2-7. Rear Block”.)
6. Remove the inside panel block. (Refer to “2-8. Inside Panel Block”.)

Procedure

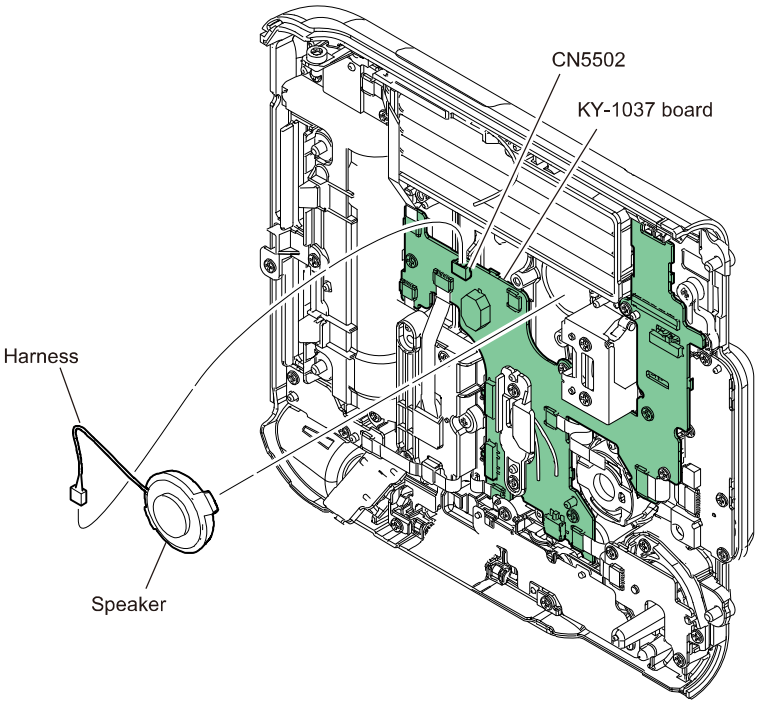
1. Disconnect the flexible board from the connector (CN1000) on the KY-1037 board.
2. Disconnect the membrane of the ND DIAL from the connector (CN2503) on the KY-1037 board.
3. Disconnect the flexible flat cable from the connector (CN2500) on the KY-1037 board, and then release it from the hook.



4. Remove the six screws, and then remove the inside duct assembly.



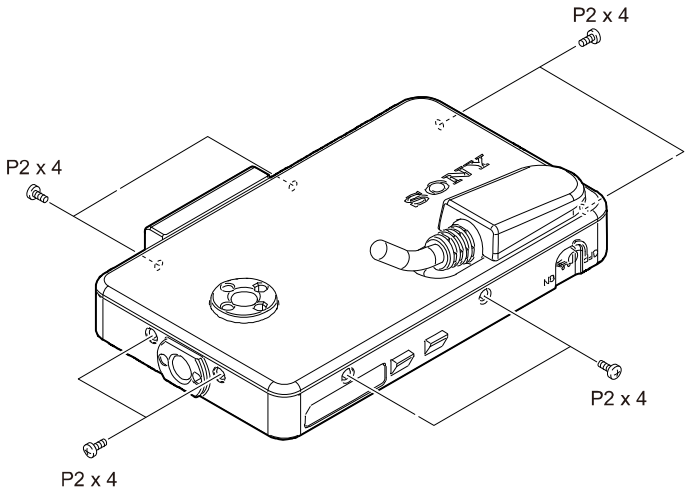
5. Disconnect the harness from the connector (CN5502) on the KY-1037 board, and then remove the speaker.



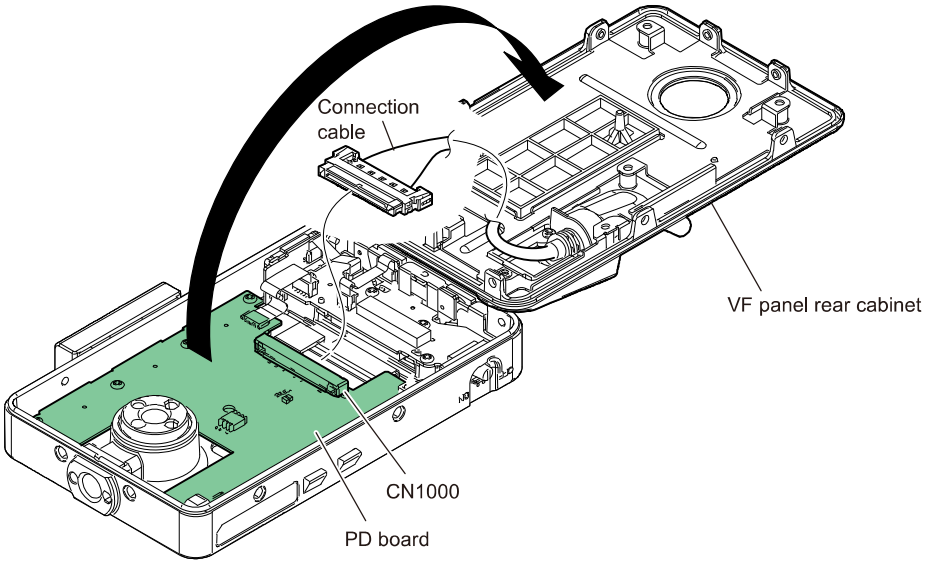
2-27. PSW-1004 Board

Procedure

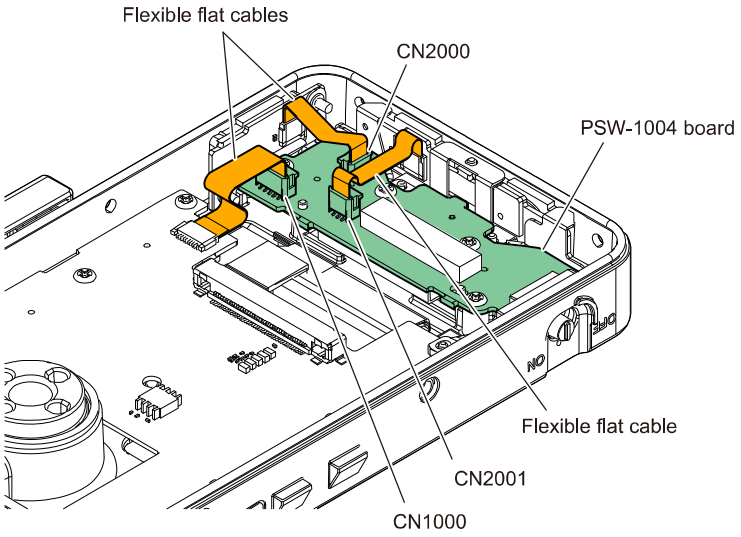
1. Remove the eight screws.



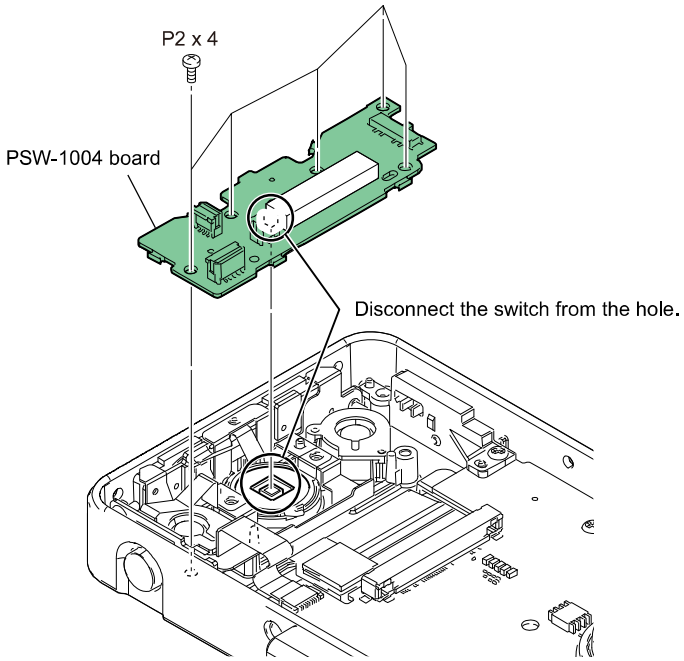
2. Open the VF panel rear cabinet.
3. Disconnect the connection cable from the connector (CN1000) on the PD board.



4. Disconnect the three flexible flat cables from the connectors (CN1000, CN2000, CN2001) on the PSW-1004 board.



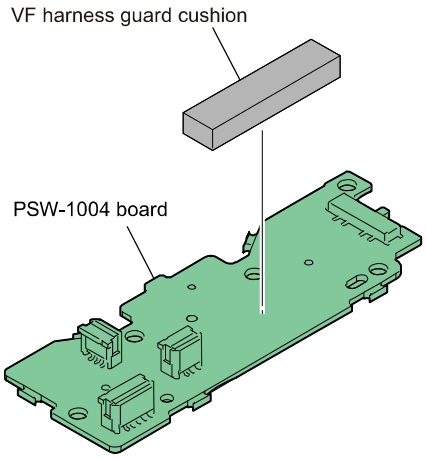
5. Remove the five screws.
6. Disconnect the switch from the hole, and then remove the PSW-1004 board.



7. Peel off the VF harness guard cushion from the PSW-1004 board.

   Tip

   Replace the removed VF harness guard cushion with a new one.



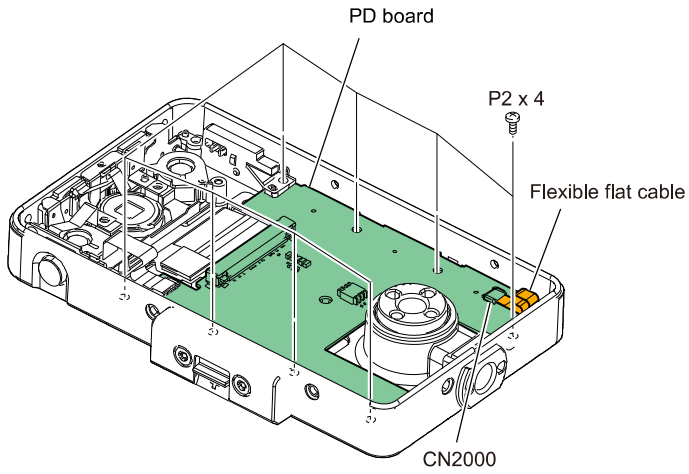
2-28. PD Board

Preparation

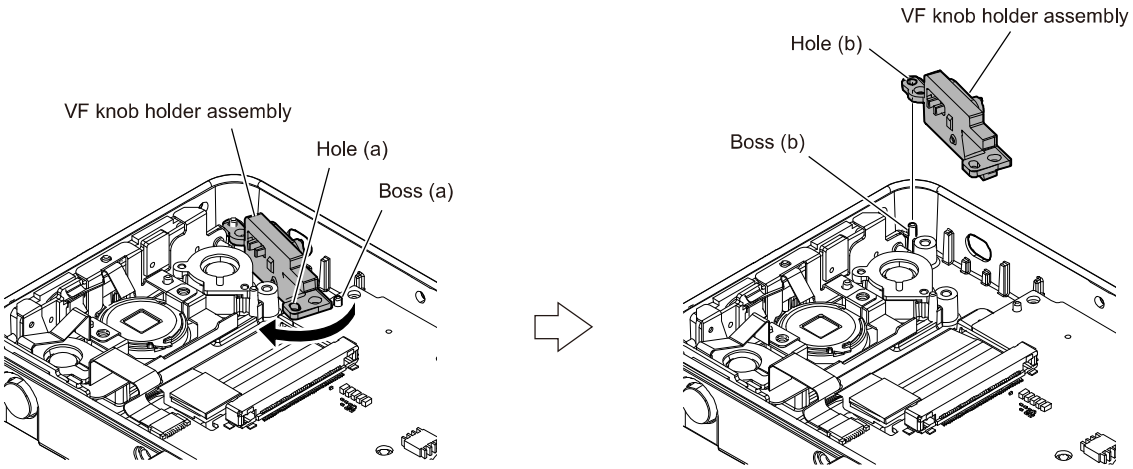
1. Remove the PSW-1004 board. (Refer to "2-27. PSW-1004 Board".)

Procedure

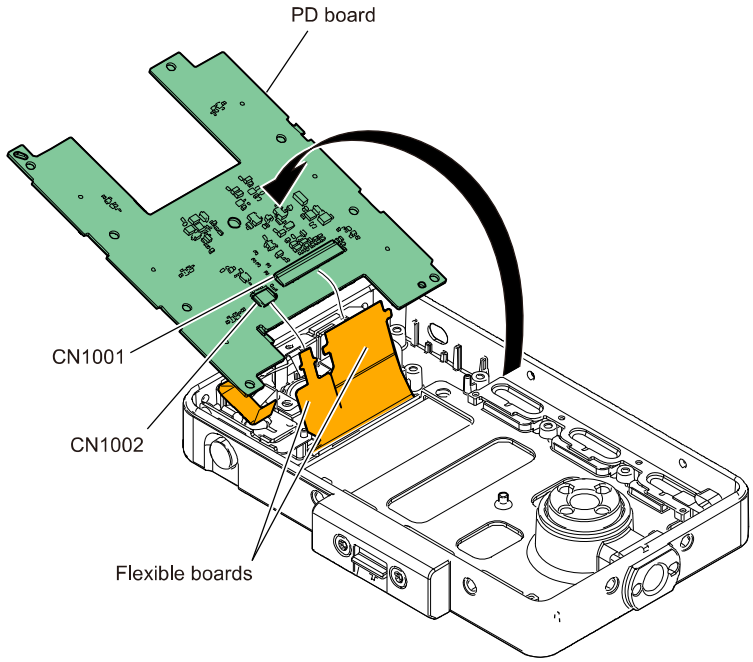
1. Disconnect the flexible flat cable from the connector (CN2000) on the PD board.
2. Remove the eight screws.



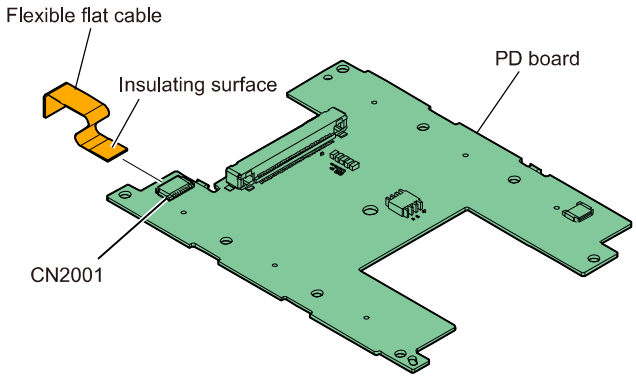
3. Turn the VF knob holder assembly in the direction of the arrow and release the hole (a) from the boss (a).
4. Release the hole (b) of the VF knob holder assembly from the boss (b).



5. Open the PD board, and then disconnect the two flexible boards from the connectors (CN1001, CN1002) on the PD board.



6. Disconnect the flexible flat cable from the connector (CN2001) on the PD board.



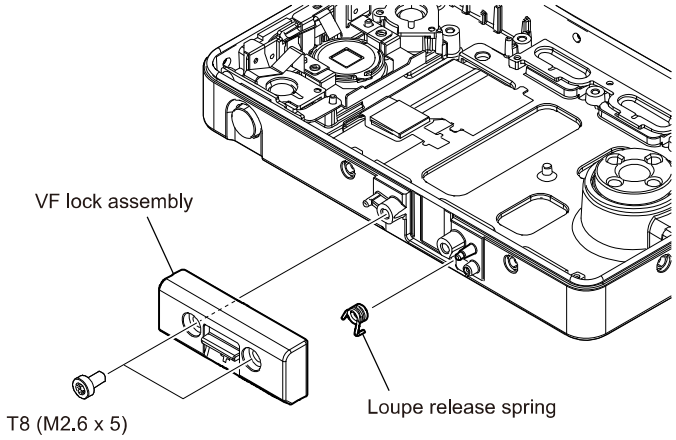
2-29. VF Panel Assembly

Preparation

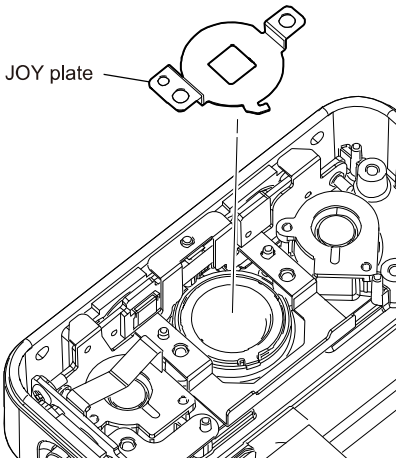
1. Remove the PSW-1004 board. (Refer to “2-27. PSW-1004 Board”.)
2. Remove the PD board. (Refer to “2-28. PD Board”.)

Procedure

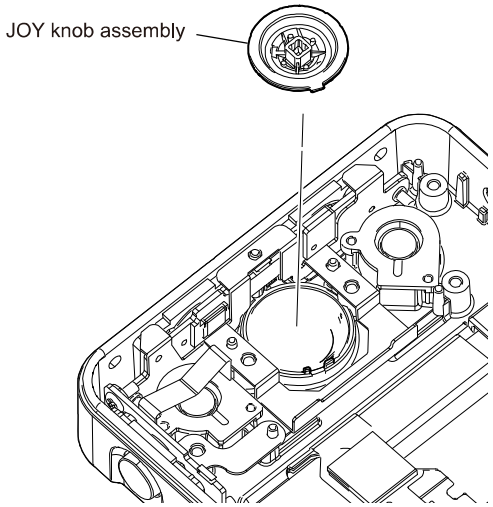
1. Remove the two hexalobular screws bolts, and then remove the VF lock assembly.
2. Remove the loupe release spring.



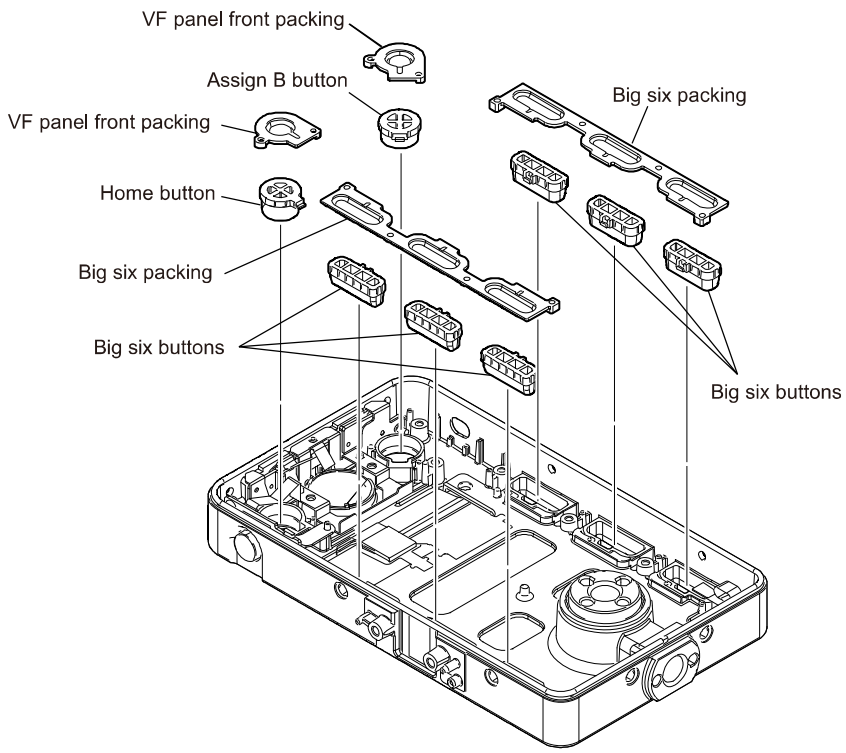
3. Remove the JOY plate.



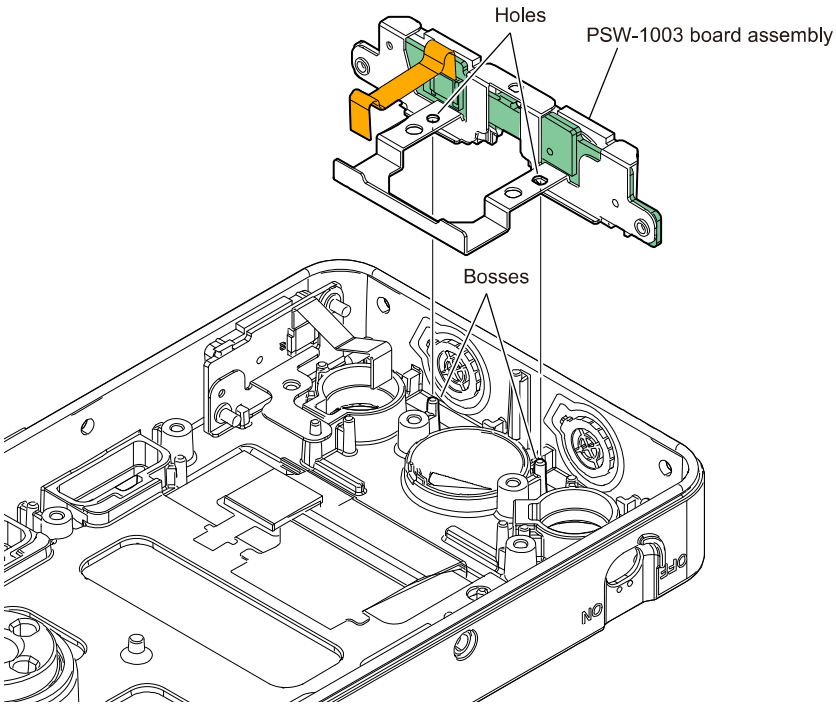
4. Remove the JOY knob assembly.



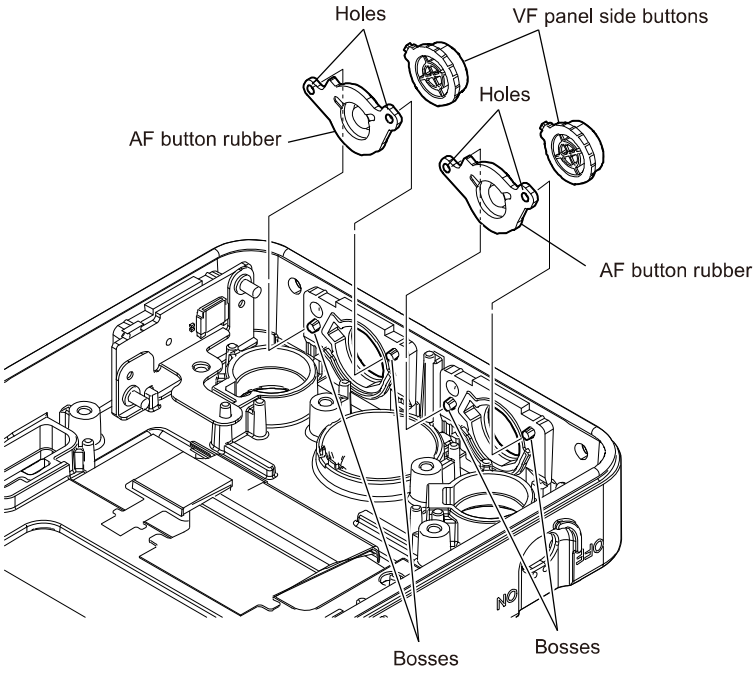
5. Remove the two big six packings, the six big six buttons, the two VF panel front packings, assign B button, and the home button.



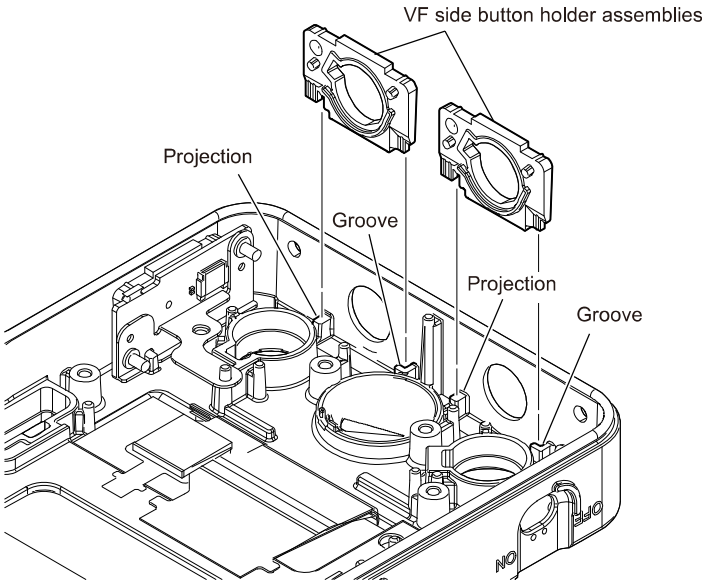
6. Release the two holes from the two bosses, and then release the PSW-1003 board assembly.



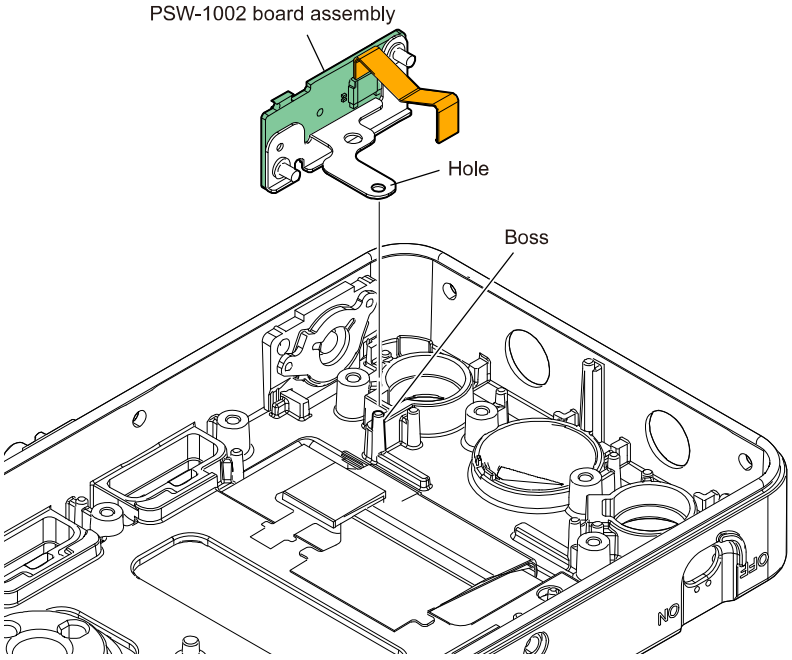
7. Release the four holes from the four bosses, and then remove the two AF button rubbers.
8. Remove the two VF panel side buttons.



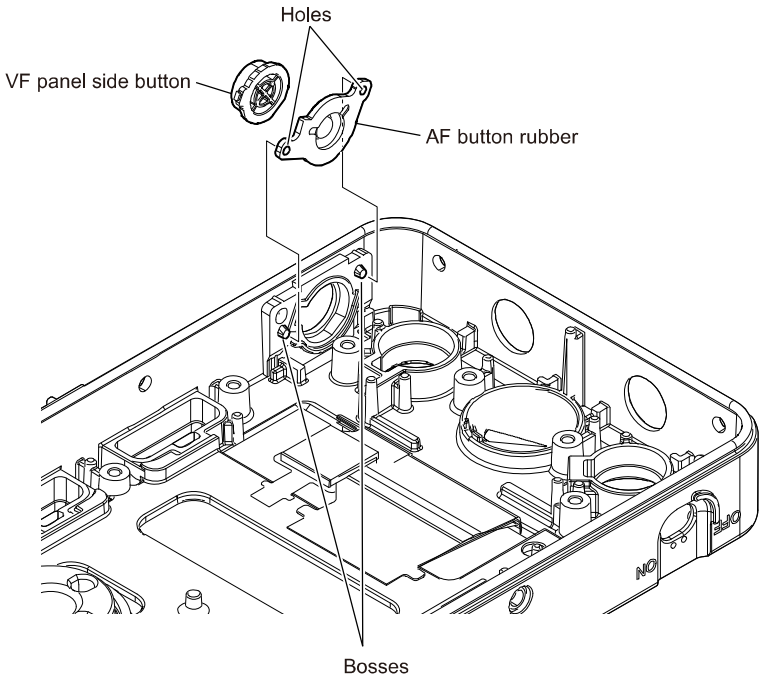
9. Remove the two VF side button holder assemblies from the projections and grooves.



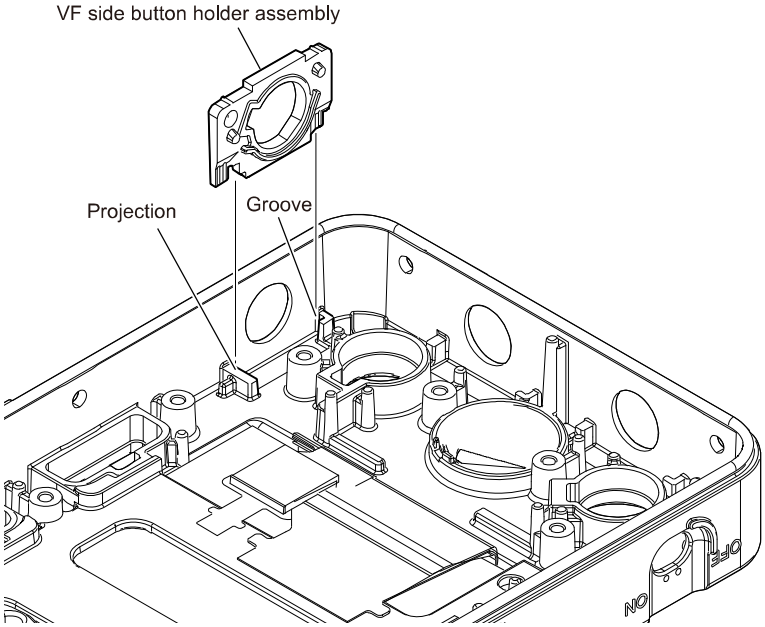
10. Release the hole from the boss, and then remove the PSW-1002 board assembly.



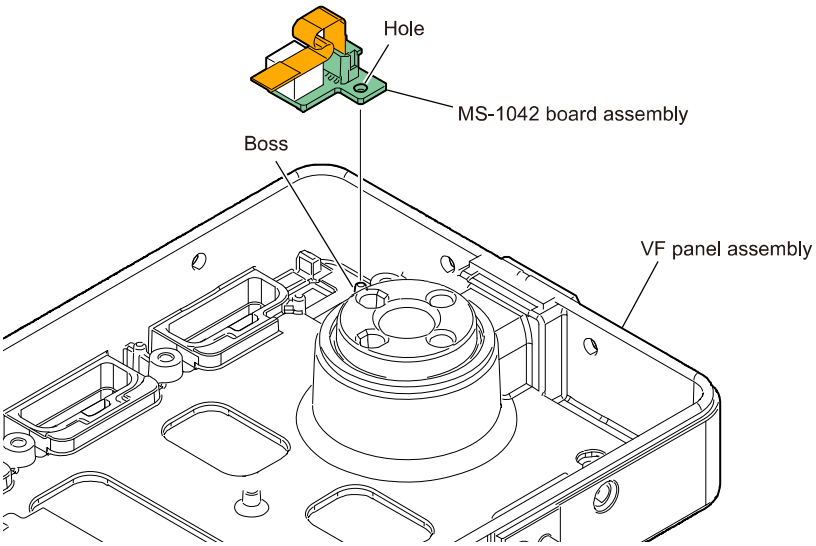
11. Release the two holes from the two bosses, and then remove the AF button rubber.
12. Remove the VF panel side button.



13. Remove the VF side button holder assembly from the groove and the projection.



14. Release the hole from the boss, and then remove the MS-1042 board assembly from the VF panel assembly.

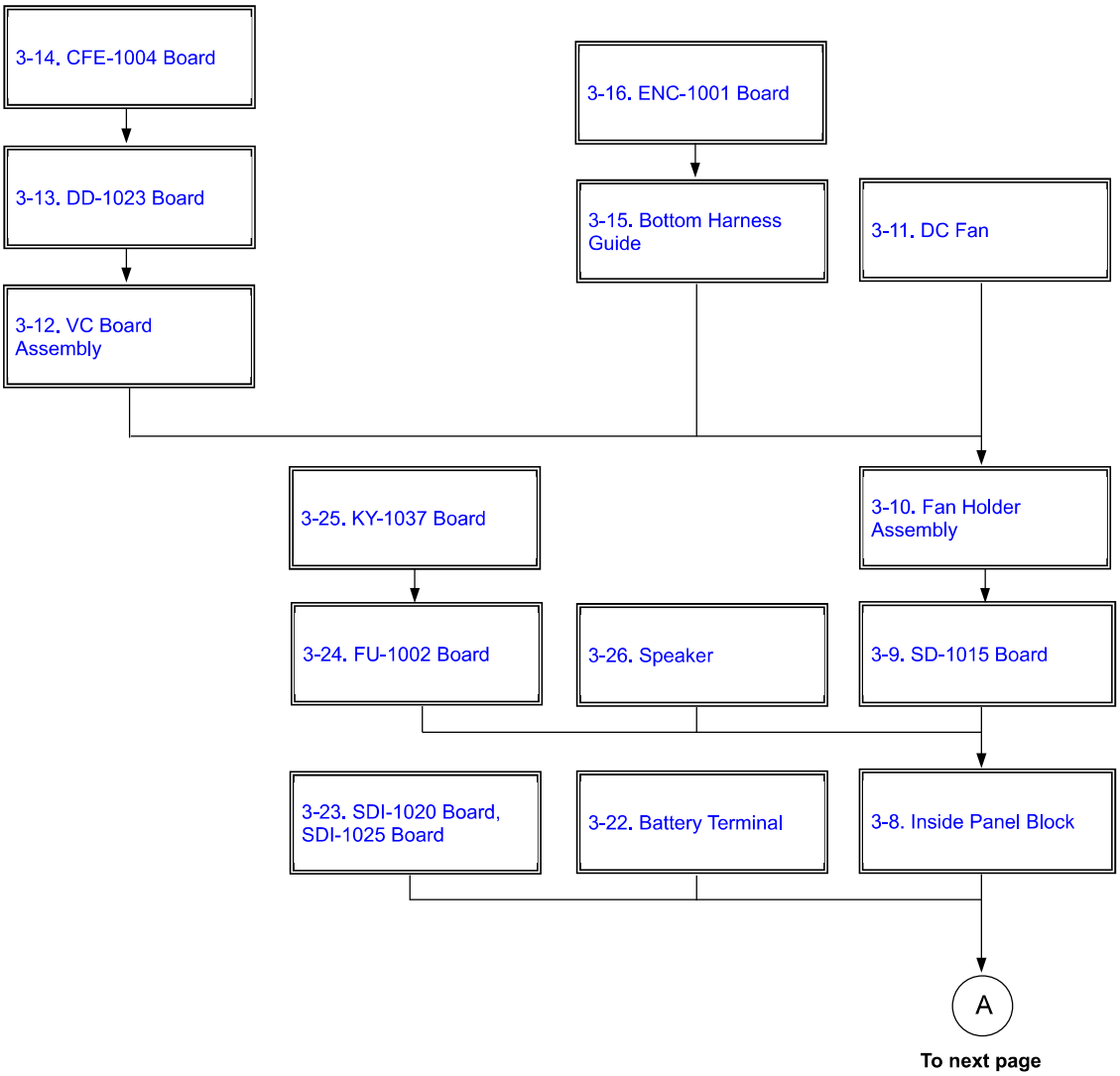


Section 3
Installation

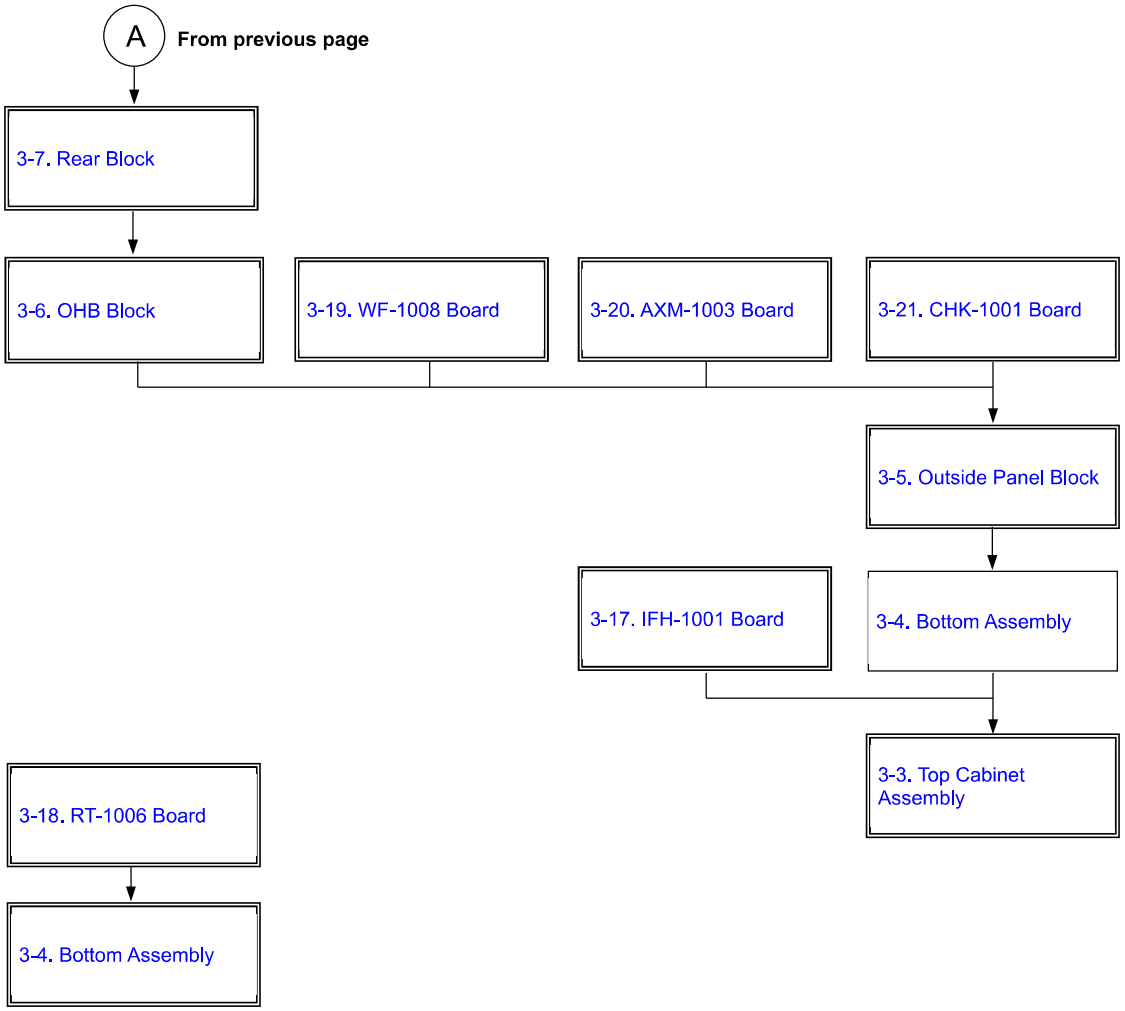
3-1. Installation Flow

Find target parts from items enclosed by double lines.

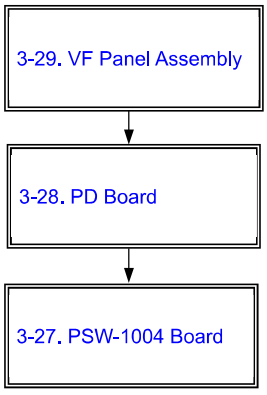
Main unit



To next page


A
From previous page
3-7. Rear Block
3-6. OHB Block
3-19. WF-1008 Board
3-20. AXM-1003 Board
3-21. CHK-1001 Board
3-5. Outside Panel Block
3-17. IFH-1001 Board
3-4. Bottom Assembly
3-3. Top Cabinet Assembly
3-18. RT-1006 Board
3-4. Bottom Assembly

VF Panel


3-29. VF Panel Assembly
3-28. PD Board
3-27. PSW-1004 Board

3-2. Notes on Installation

3-2-1. Tightening Torque

When tightening screws used in this unit, be sure to use a torque driver and tighten screws to the specified tightening torque.
If the specified tightening torque is described in the figure in this section, tighten screws to the specified tightening torque in the figure.

Tightening torque

M1.4: 0.08 ±0.02 N·m
M1.7: 0.12 ±0.02 N·m
M2/TP2: 0.18 ±0.02 N·m
M2.5/M2.6: 0.53 ±0.07 N·m
TP2.6: 0.40 ±0.05 N·m
M3: 0.80 ±0.12 N·m
M4: 1.4 ±0.2 N·m
Hexagon nut (SDI terminal): 1.40 ±0.14 N·m

Tip

When using the torque driver with the notation of cN·m, interpret it as follows.

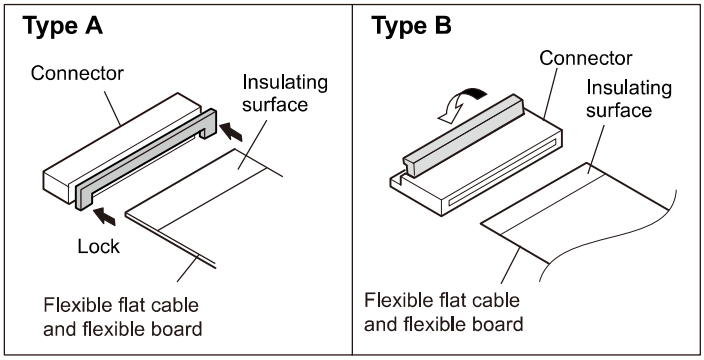
Example: 0.8 N·m = 80 cN·m

3-2-2. Connecting Flexible Flat Cable and Flexible Board

Note

- Be very careful not to fold flexible flat cable and flexible board. Life of flexible flat cable and flexible board will be significantly shorted if they are folded.
- Each flexible flat cable and flexible board has conductive side and insulated side. If the flexible flat cable and flexible board are connected in the wrong orientation of the conductive side and the insulated side, the circuit will not function.
- Check that the conductive side of the flexible flat cable and flexible board are free from dirt or dust.
- Securely insert the flexible flat cable and flexible board into the deep end of the connector.

1. Unlock the connector.
2. Insert the flexible flat cable or flexible board into the connector.
3. Lock the connector.



3-2-3. Connecting Fine-Wire Coaxial Cable

Note

- Be very careful when handling the fine-wire coaxial cable so that fine wires are not broken.
- When disconnecting the fine-wire coaxial cable, be sure to hold the connector. Do not attempt to pull the cable.
- Check that the contact surface of the fine-wire coaxial cable connector is not contaminated.

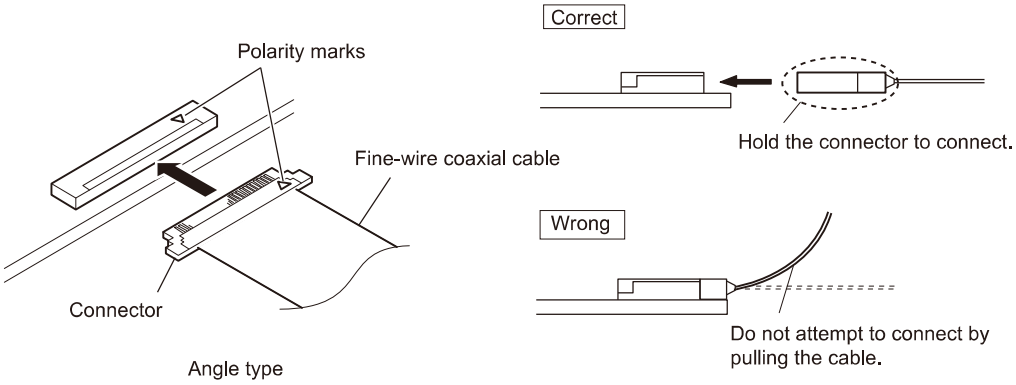
Type A

1. Insert the connector straight matching the polarity marks.

   Note

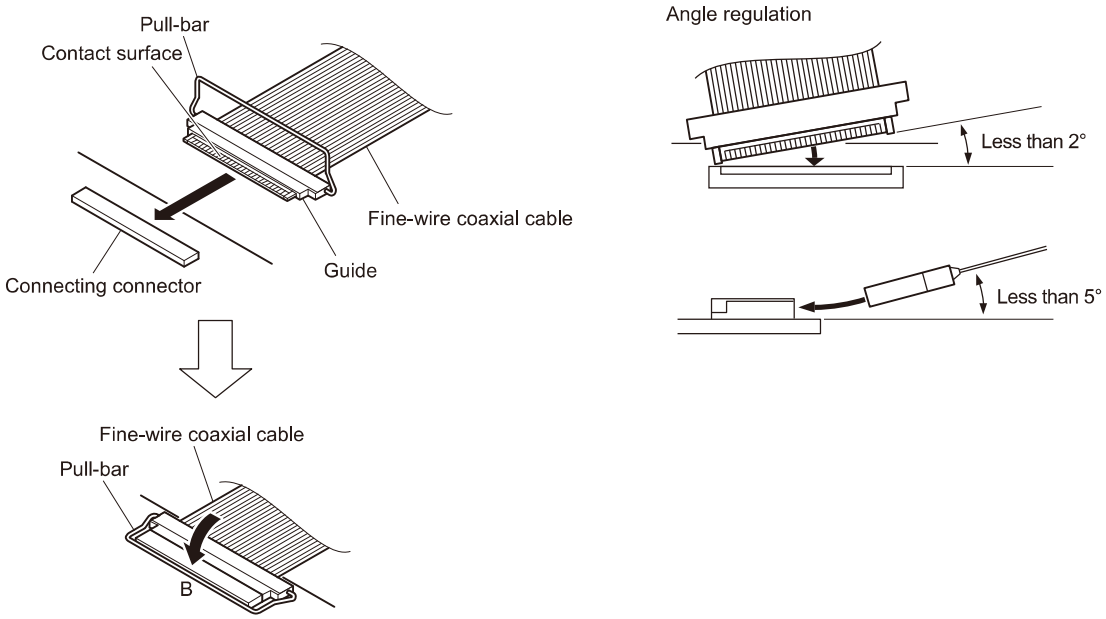
   Inserting the connector at an angle so may damage it.

   Insert the connector firmly as far as it will go.



Type B

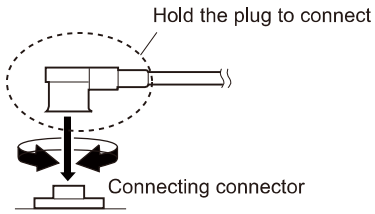
1. Hold both sides of the fine-wire coaxial cable connector with the contact surface facing up.
2. Insert the connector straight to meet the angle specified.
3. Turn the pull-bar in the direction of arrow B and lock it.



Note

Insert the connector carefully so that the connector guides are not caught by the edge of the mating connector.

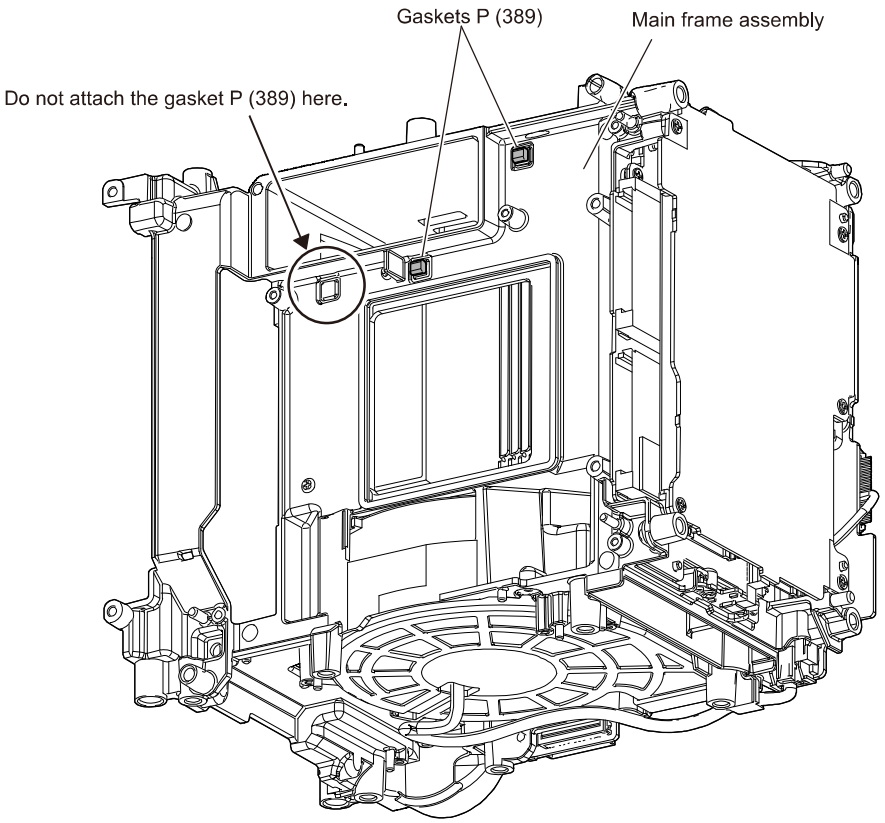
3-2-4. Connecting Coaxial Cable



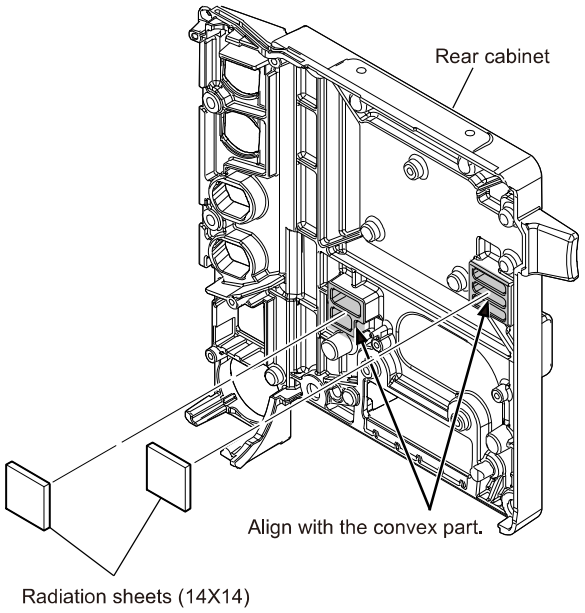
1. Hold the plug of coaxial cable.
2. Connect the coaxial cable perpendicularly to the connector. Push the plug into the connector while turning it clockwise and counterclockwise several times.

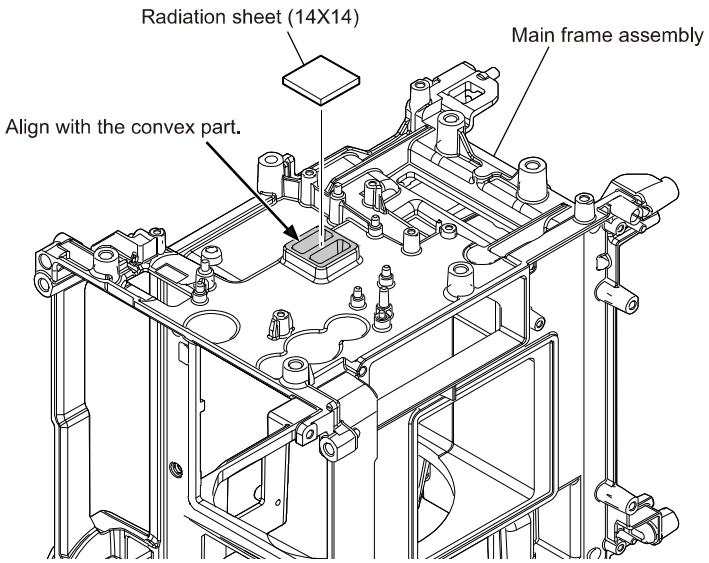
3-2-5. Parts Attaching Positions

Gasket P (389)



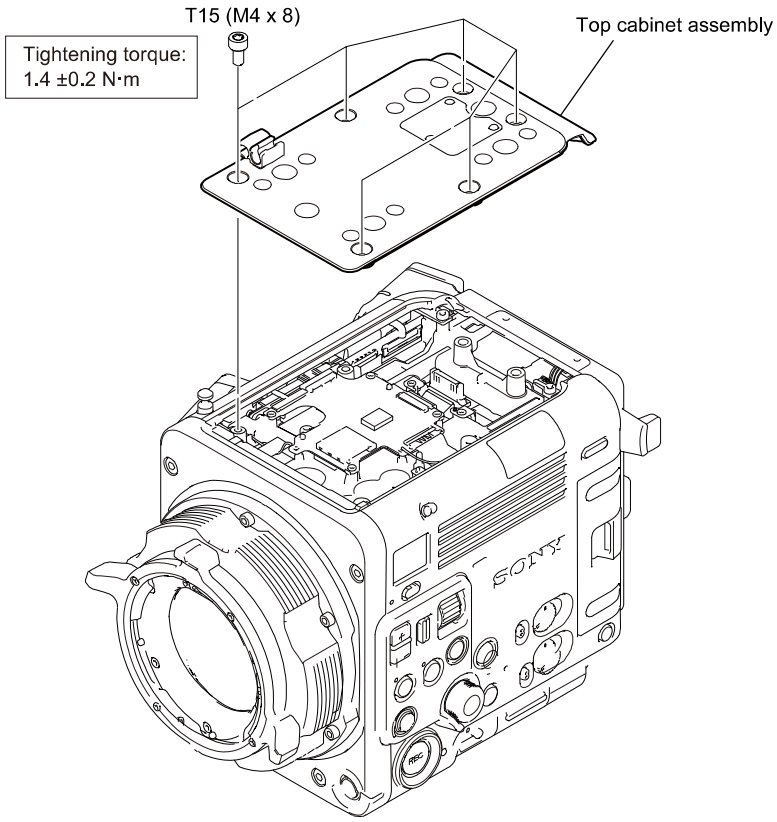
Radiation sheet (14X14)





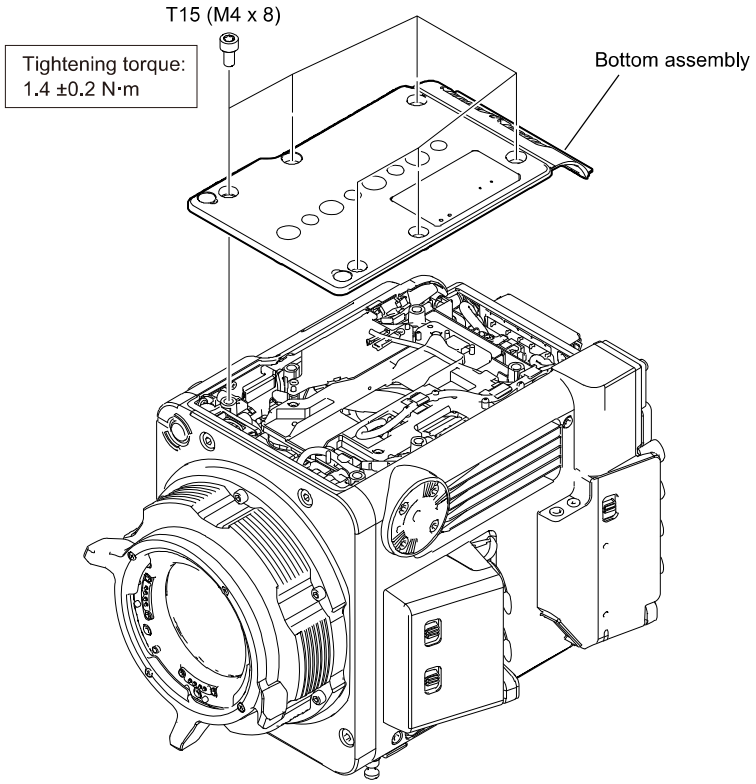
3-3. Top Cabinet Assembly

1. Secure the top cabinet assembly with the six hexalobular screws.



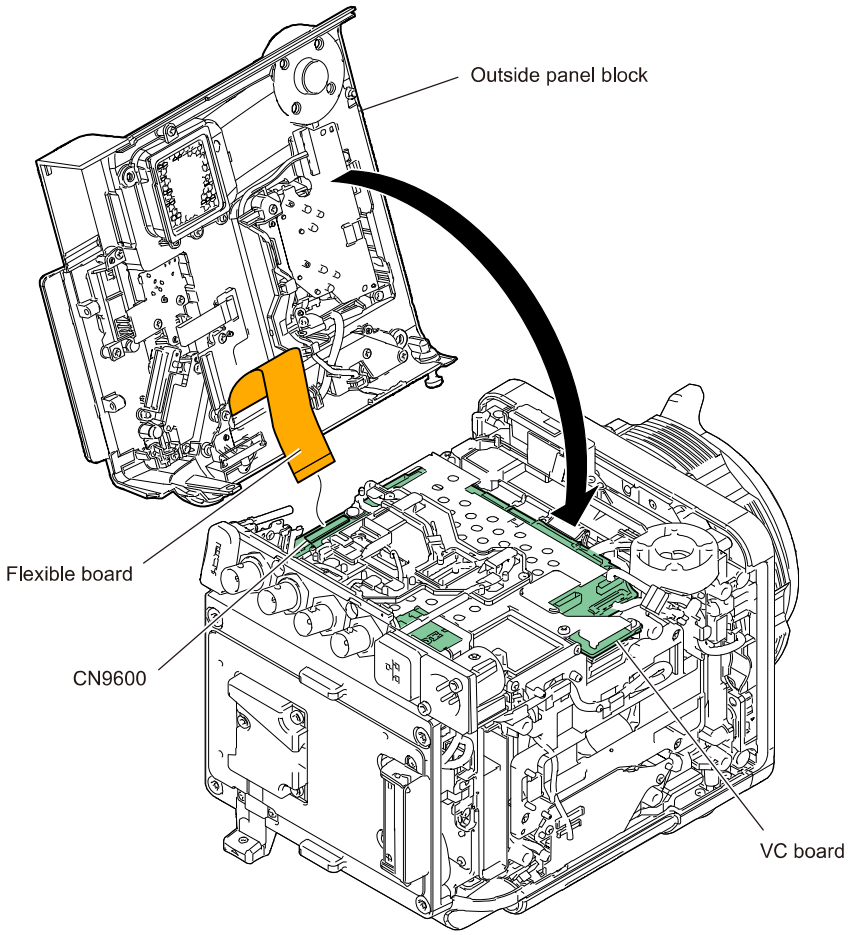
3-4. Bottom Assembly

1. Secure the bottom assembly with the six hexalobular screws.

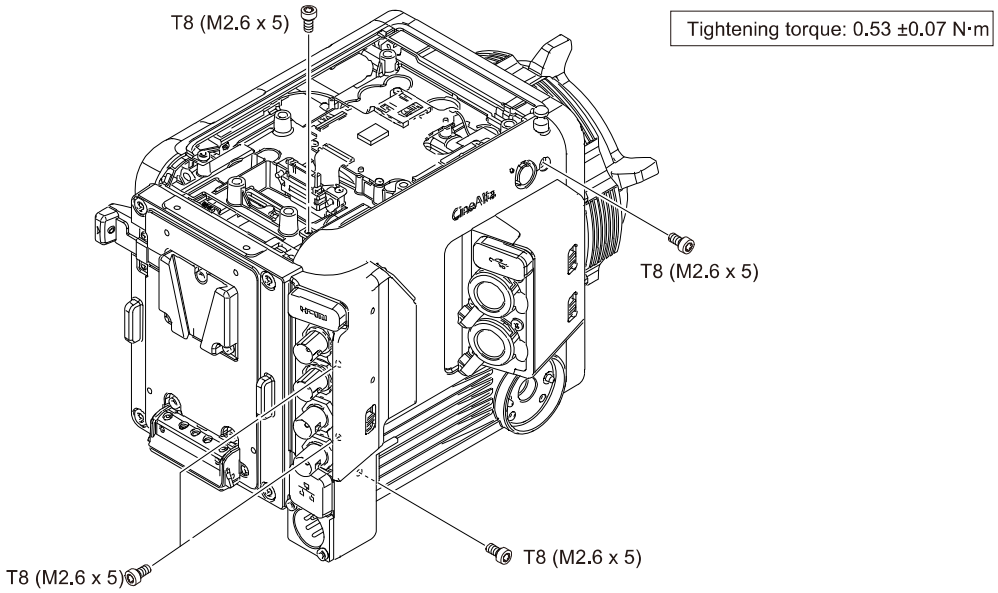


3-5. Outside Panel Block

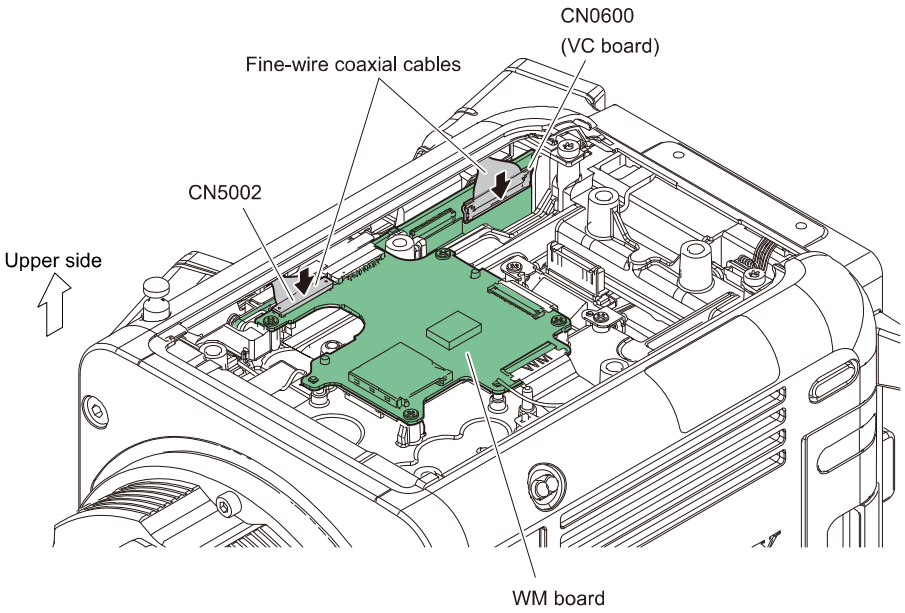
1. Connect the flexible board to the connector (CN9600) on the VC board.
2. Close the outside panel block.



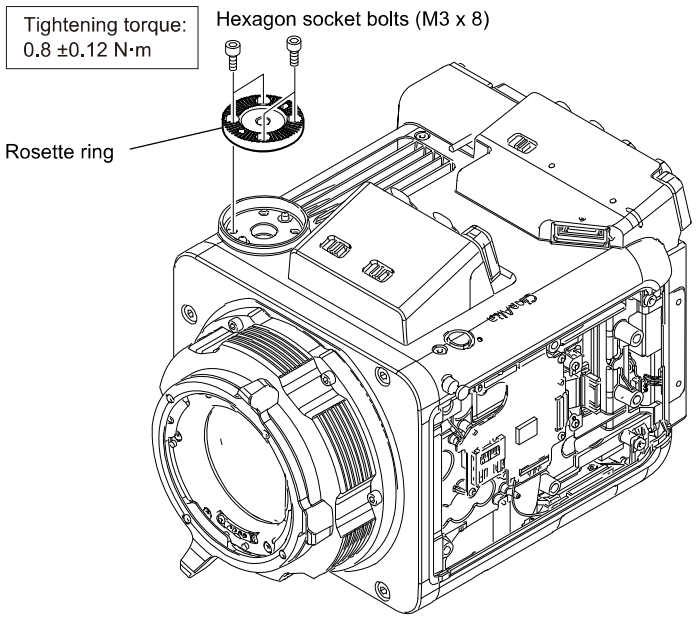
3. Tighten the five hexalobular screws.



4. Connect the fine-wire coaxial cable to the connector (CN5002) on the WM board.
5. Connect the fine-wire coaxial cable to the connector (CN0600) on the VC board.



6. Secure the rosette ring with the four hexagon socket bolts.



Installation

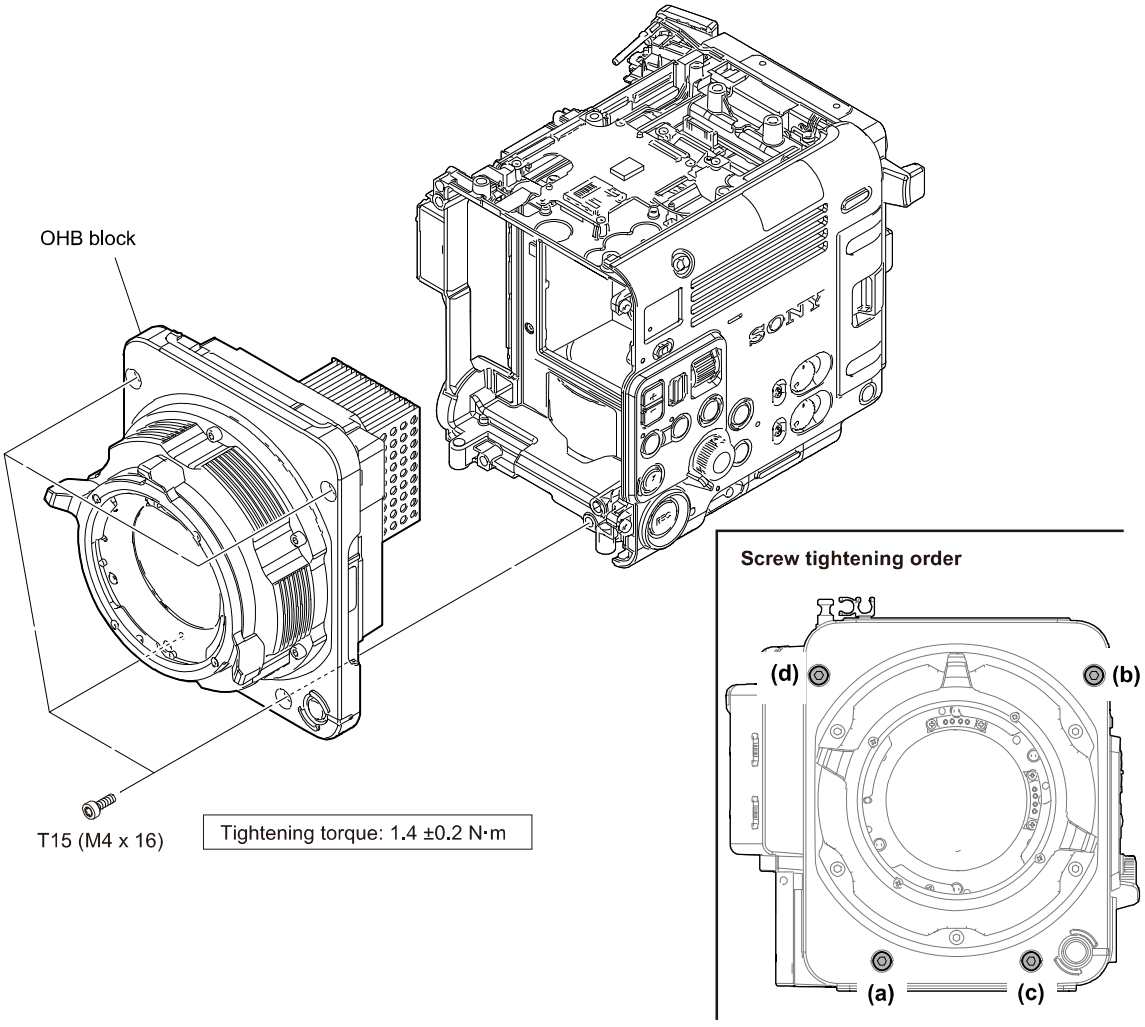
1. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
2. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-6. OHB Block

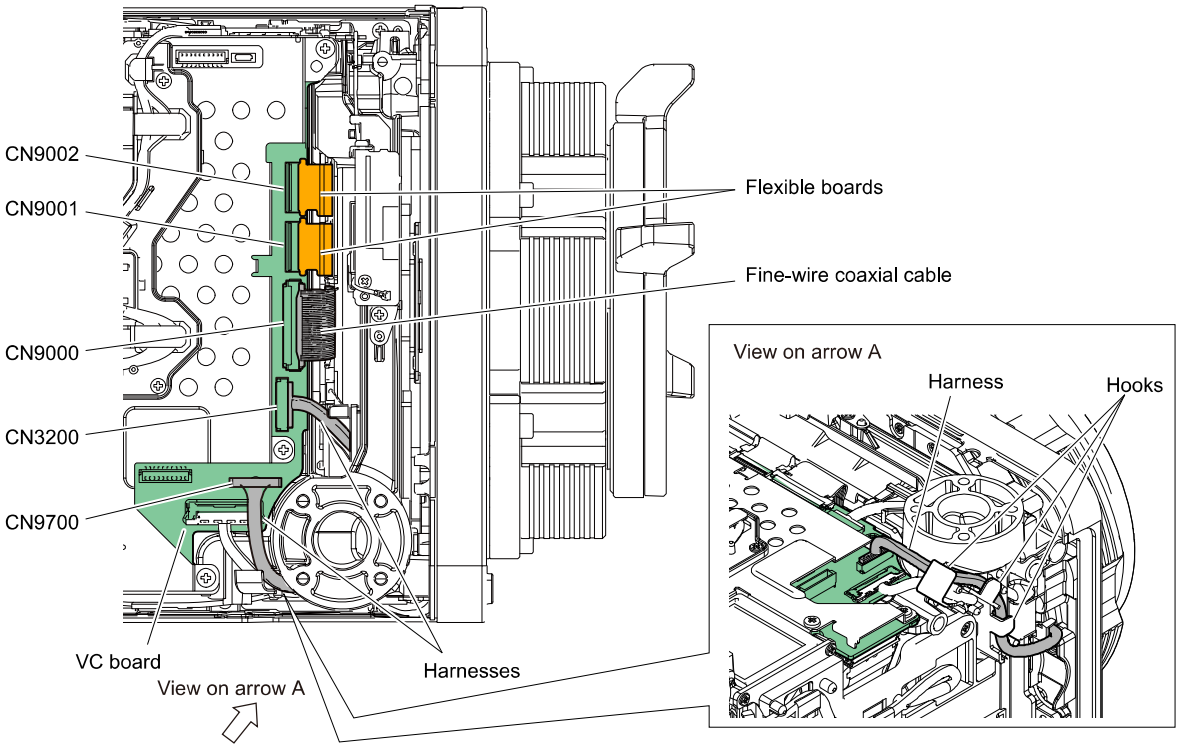
1. Secure the OHB block with the four hexalobular screws.

   Note

   Tighten the screws in the following sequence: (a), (b), (c), (d).



2. Clamp the harness to the three hooks.
3. Connect the two flexible boards, the fine-wire coaxial cable, and the two harnesses to the connectors (CN3200, CN9000 to CN9002, CN9700) on the VC board.

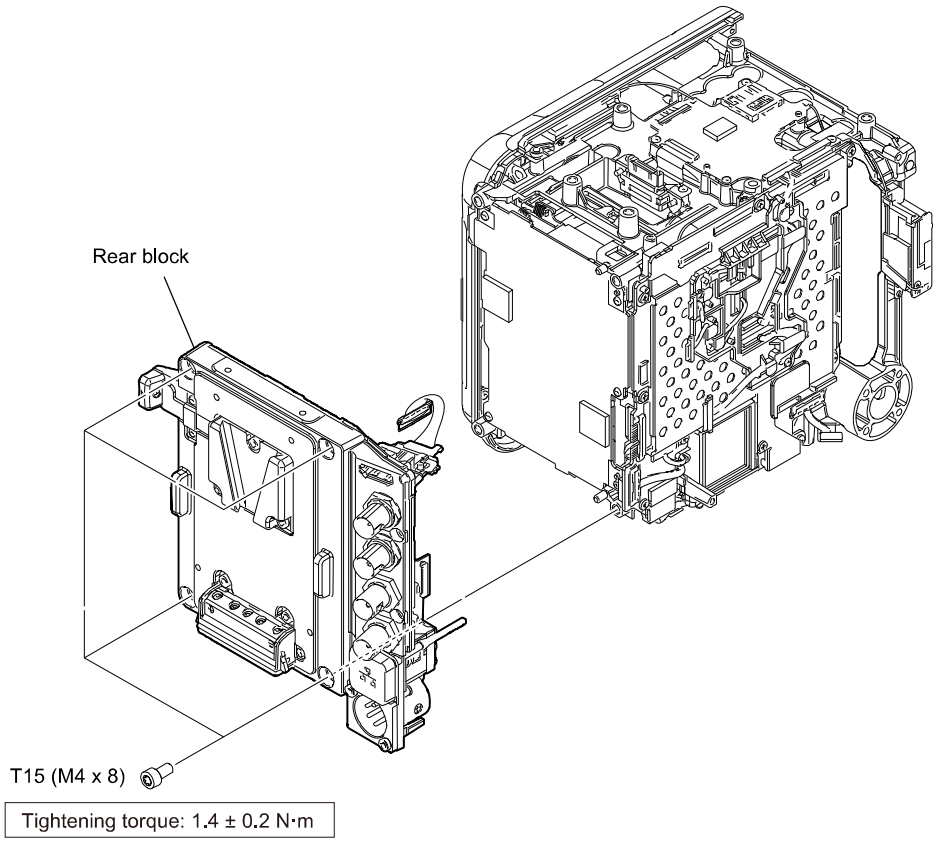


Installation

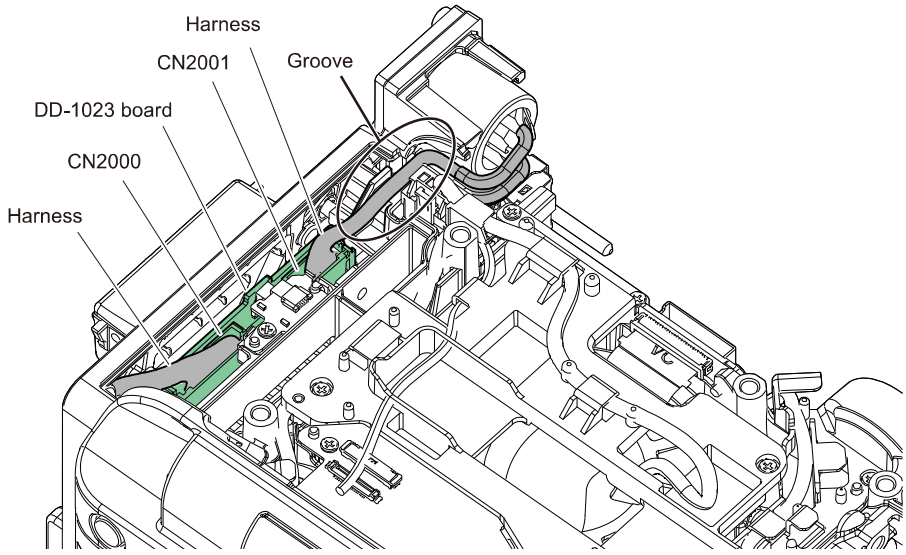
1. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
2. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
3. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-7. Rear Block

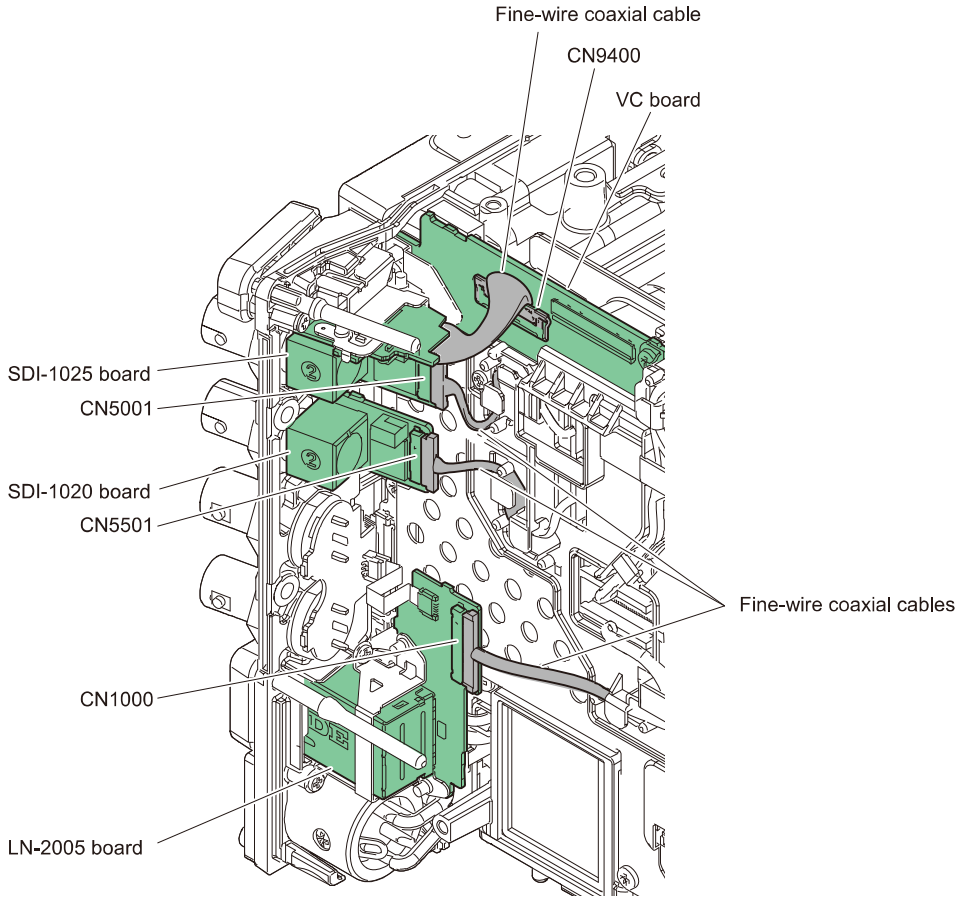
1. Secure the rear block with the four hexalobular screws.



2. Connect the two harnesses to the connector (CN2000, CN2001) on the DD-1023 board.
3. Hold the harness to groove.



4. Connect the fine-wire coaxial cable to the connector (CN1000) on the LN-2005 board.
5. Connect the fine-wire coaxial cable to the connector (CN5501) on the SDI-1020 board.
6. Connect the fine-wire coaxial cable to the connector (CN5001) on the SDI-1025 board.
7. Connect the fine-wire coaxial cable to the connector (CN9400) on the VC board.

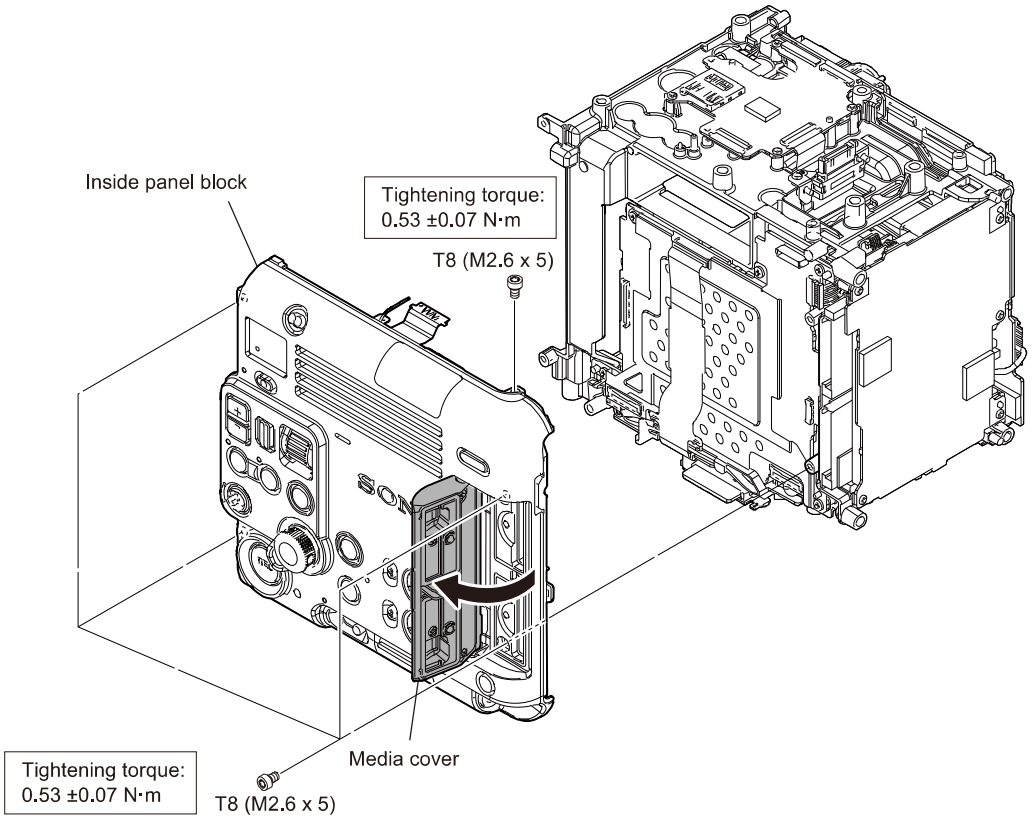


Installation

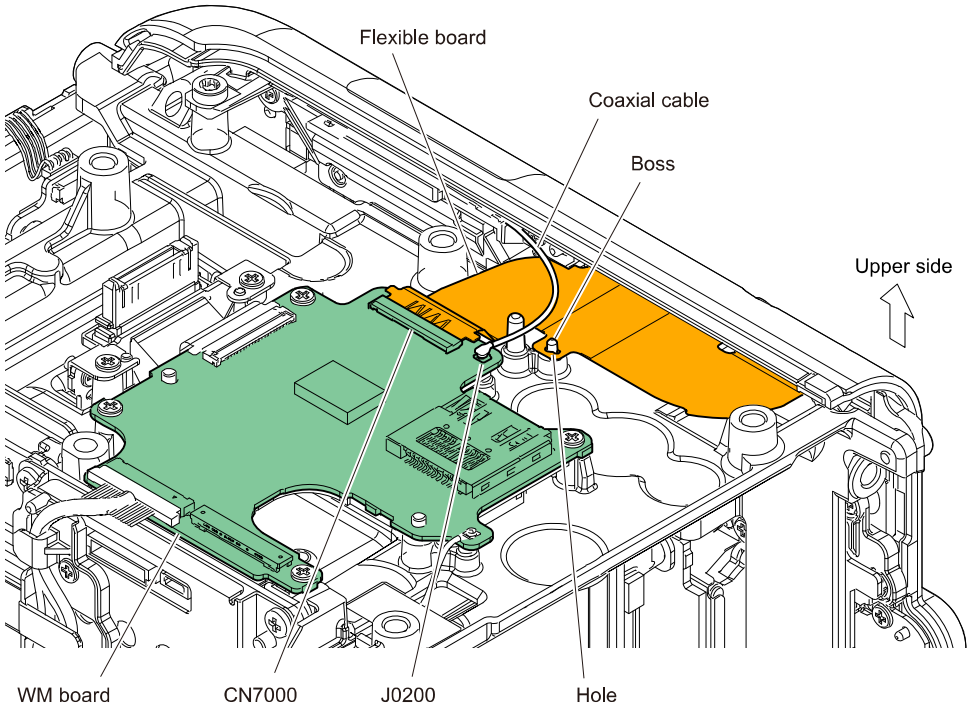
1. Install the OHB block. (Refer to “3-6. OHB Block”.)
2. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
3. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
4. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-8. Inside Panel Block

1. Open the media cover.
2. Secure the inside panel block with the five hexalobular screws.



3. Fit the boss with the hole of the flexible board.
4. Connect the flexible board to the connector (CN7000) on the WM board.
5. Connect the coaxial cable to the connector (J0200) on the WM board.

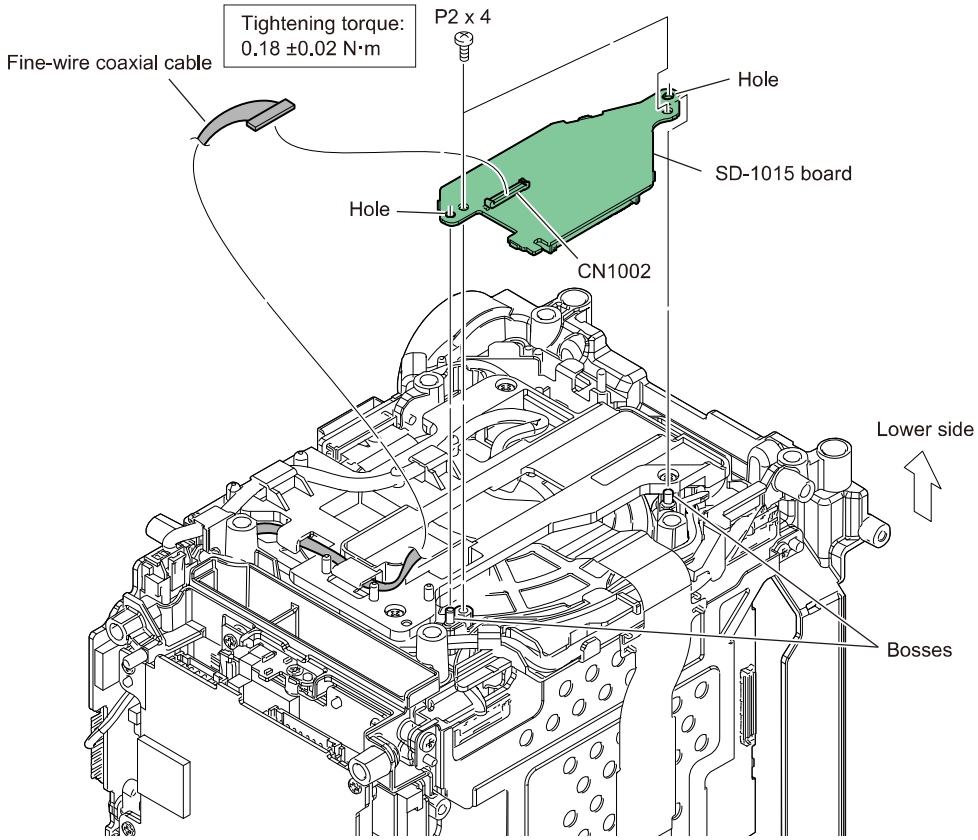


Installation

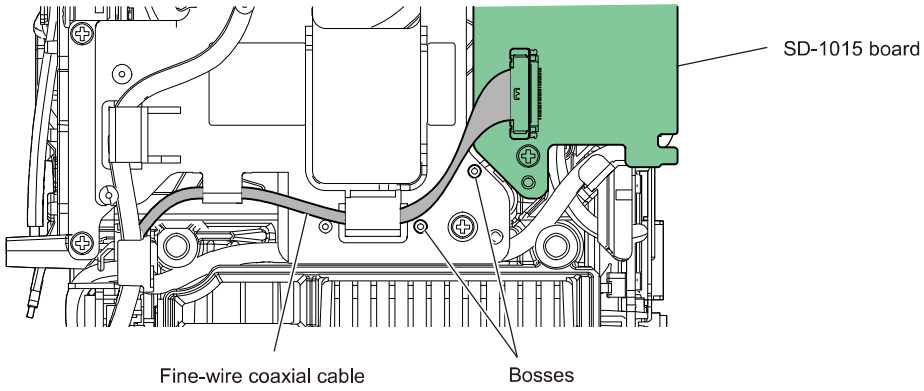
1. Install the rear block. (Refer to “3-7. Rear Block”.)
2. Install the OHB block. (Refer to “3-6. OHB Block”.)
3. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
4. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
5. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-9. SD-1015 Board

1. Align the bosses with the holes, and then secure the SD-1015 board with the two screws.
2. Connect the fine-wire coaxial cable to the connector (CN1002) on the SD-1015 board.
3. Arrange the fine-wire coaxial cable as shown below.



Arrangement of fine-wire coaxial cable



Installation

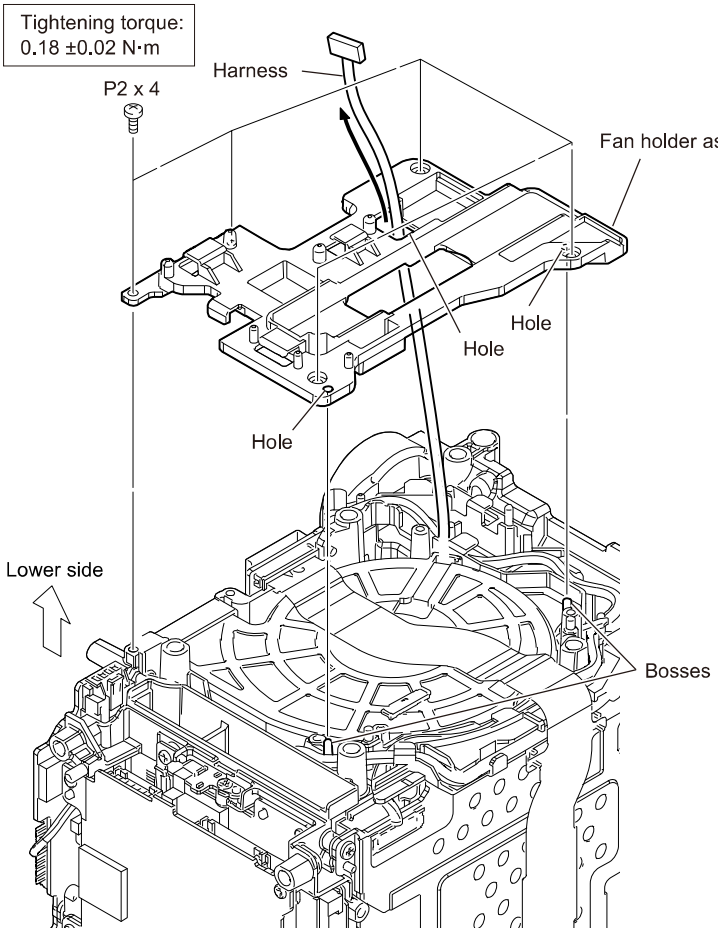
1. Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
2. Install the rear block. (Refer to “3-7. Rear Block”.)
3. Install the OHB block. (Refer to “3-6. OHB Block”.)
4. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
5. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
6. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

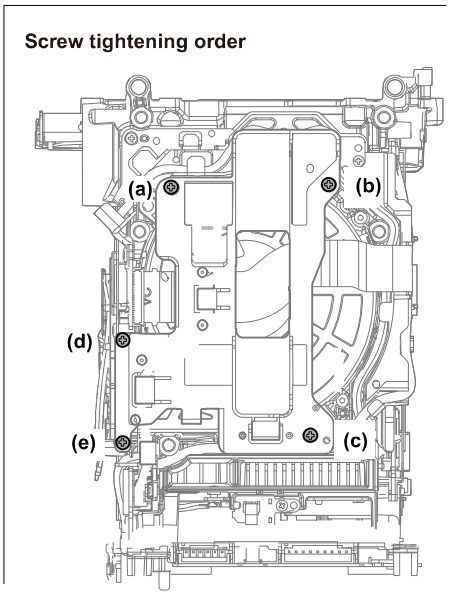
3-10. Fan Holder Assembly

1. Pass the harness through the hole of the fan holder assembly.
2. Align the bosses with the holes, and then secure the fan holder assembly with the five screws.

   Note

   Tighten the screws in the following sequence: (a), (b), (c), (d), (e).



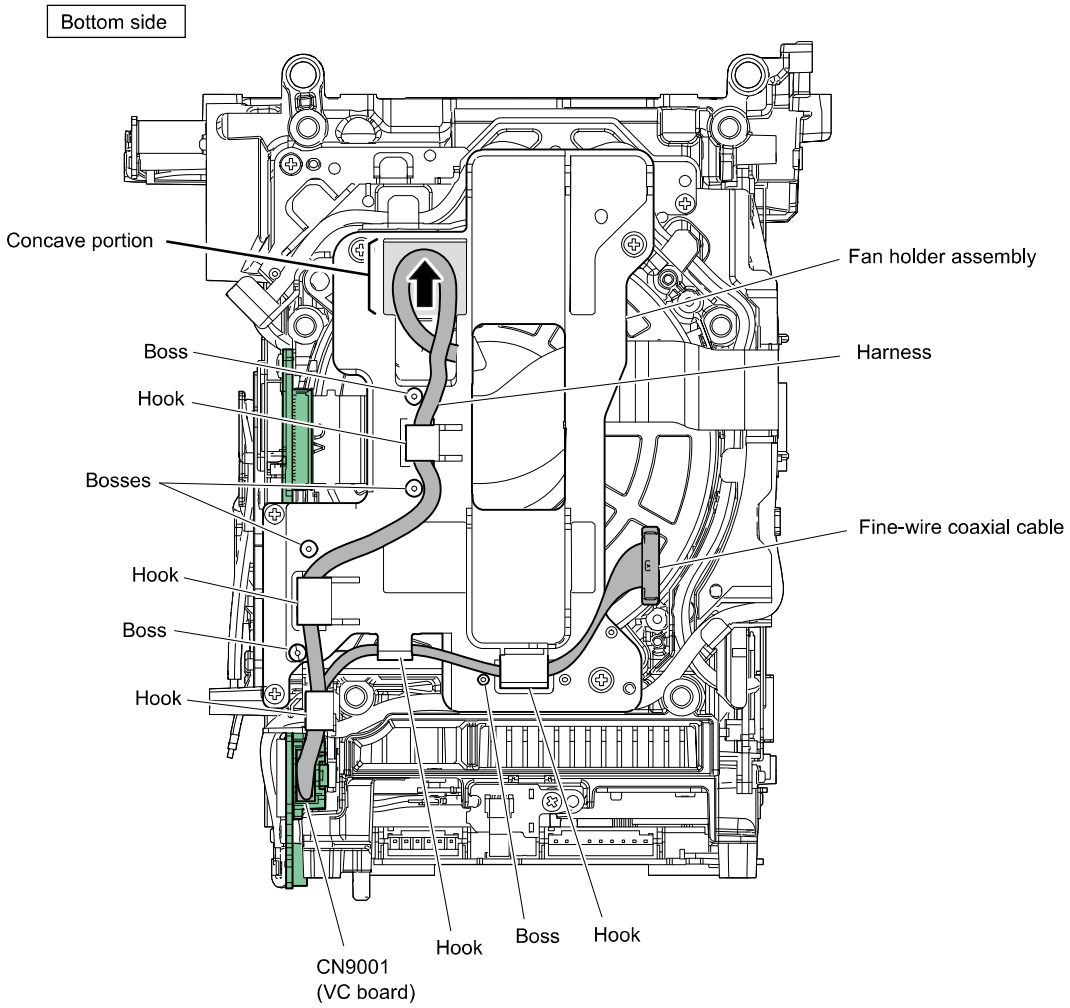


3. Clamp the fine-wire coaxial cable to the two hooks.
4. Clamp the harness to the three hooks and push the extra length of the harness in the direction of the arrow in the concave portion shown in the figure.

   Note

   Pass the harness inside the bosses.

5. Connect the harness to the connector (CN9001) on the VC board.

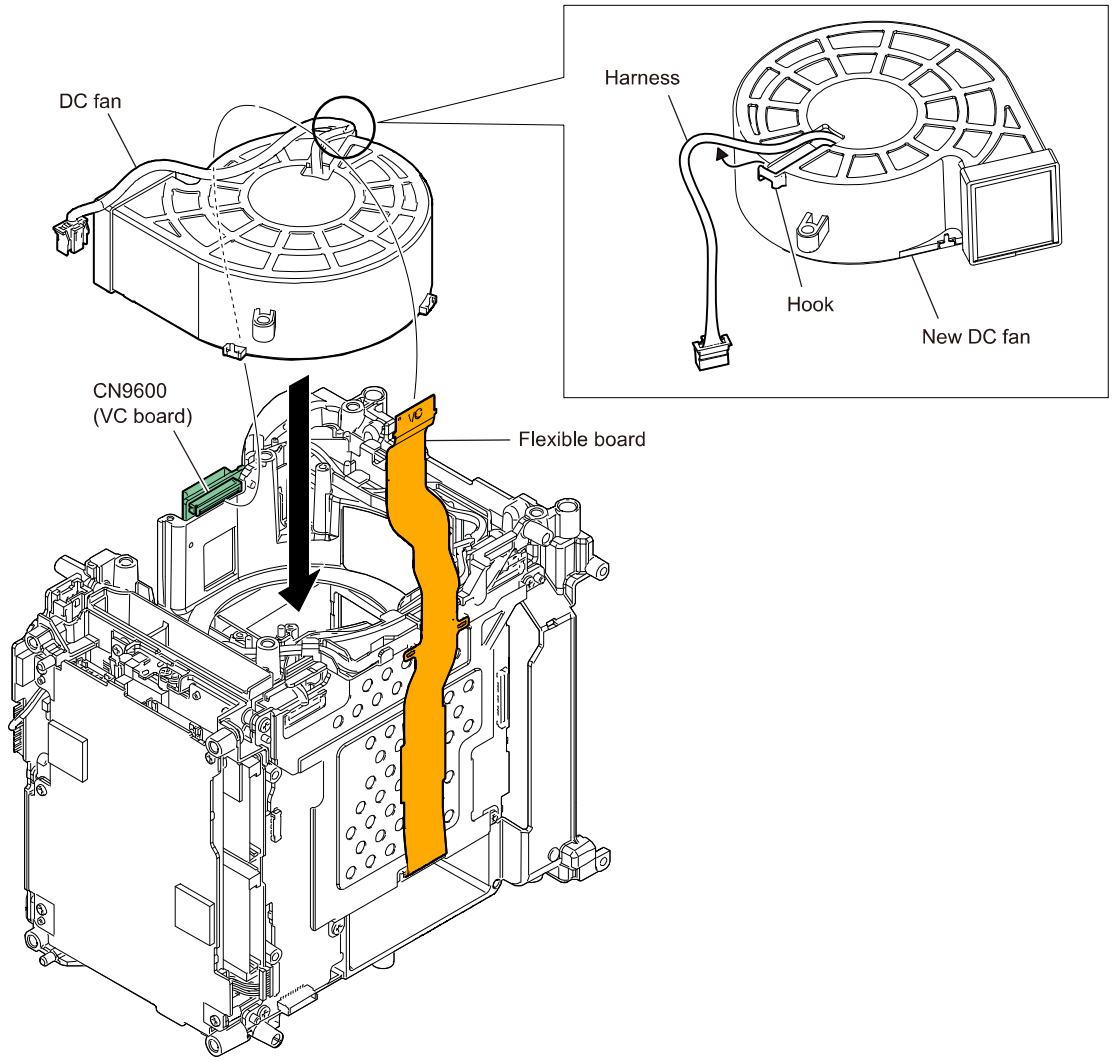


Installation

1. Install the SD-1015 board. (Refer to “3-9. SD-1015 Board”.)
2. Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
3. Install the rear block. (Refer to “3-7. Rear Block”.)
4. Install the OHB block. (Refer to “3-6. OHB Block”.)
5. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
6. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
7. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-11. DC Fan

1. Release the harness from the hook of a new DC fan.
2. Attach the DC fan straight in the direction of the arrow.
3. Connect the flexible board to the connector (CN9600) on the VC board.

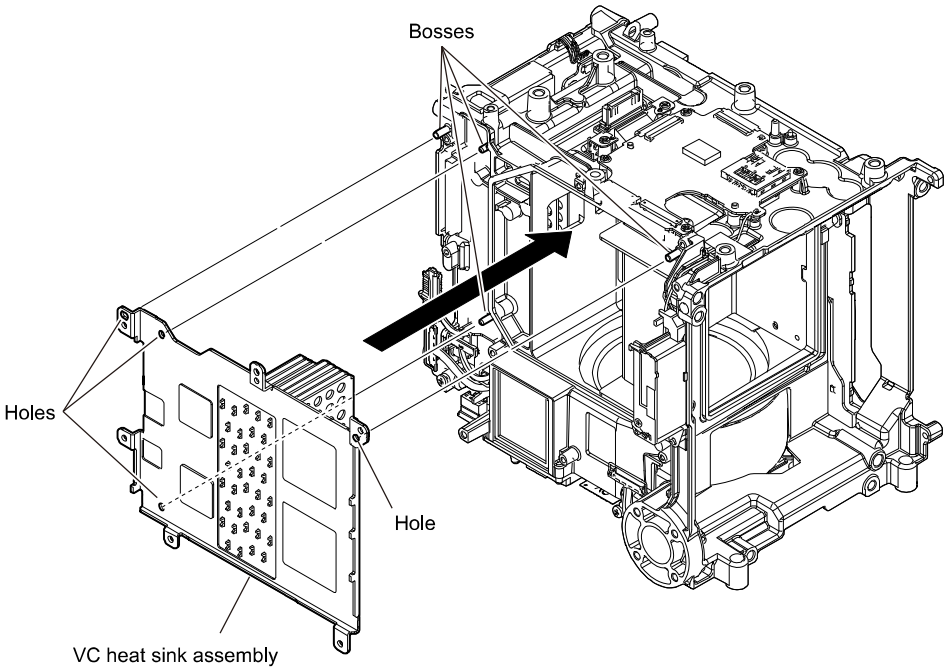


Installation

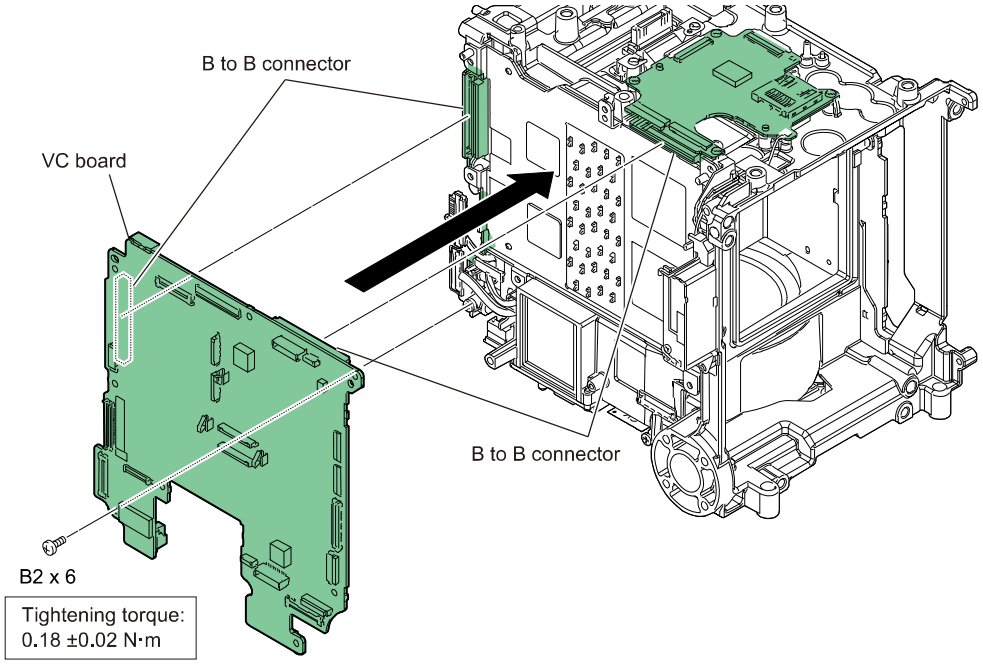
1. Install the fan holder assembly. (Refer to “3-10. Fan Holder Assembly”.)
2. Install the SD-1015 board. (Refer to “3-9. SD-1015 Board”.)
3. Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
4. Install the rear block. (Refer to “3-7. Rear Block”.)
5. Install the OHB block. (Refer to “3-6. OHB Block”.)
6. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
7. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
8. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-12. VC Board Assembly

1. Align the bosses with the holes, and then attach the VC heat sink assembly straight in the direction of the arrow.



2. Connect the VC board straight to the B to B connectors in the direction of the arrow.
3. Tighten the screw.



4. Apply adhesive (Loctite 243) to the threads of the screw at the position as shown below.

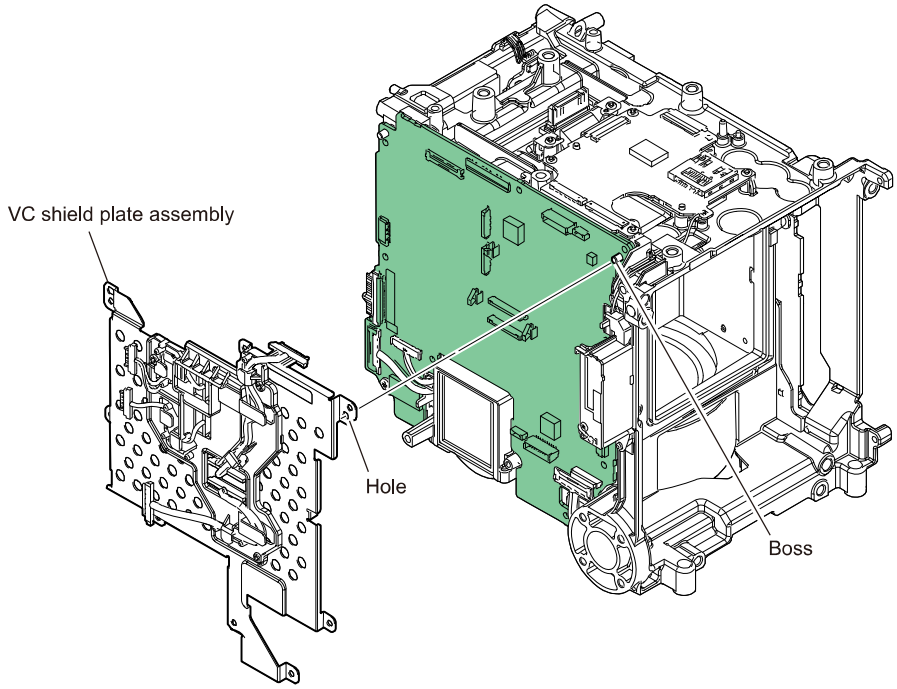
   Tip

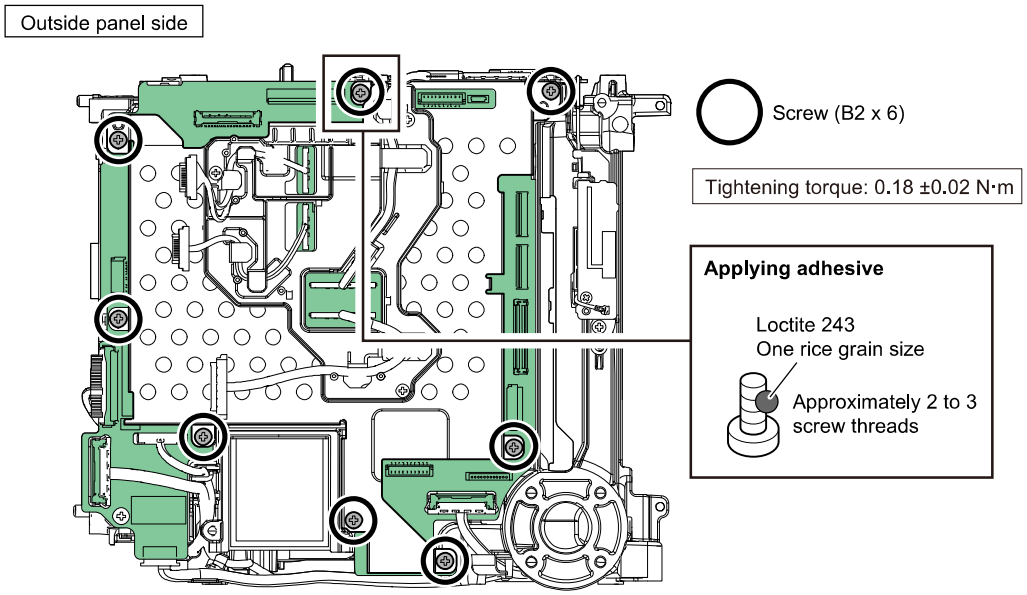
   The size of a grain of rice means about 20 µL.

5. Align the boss with hole, and then secure the VC shield plate assembly with the eight screws.

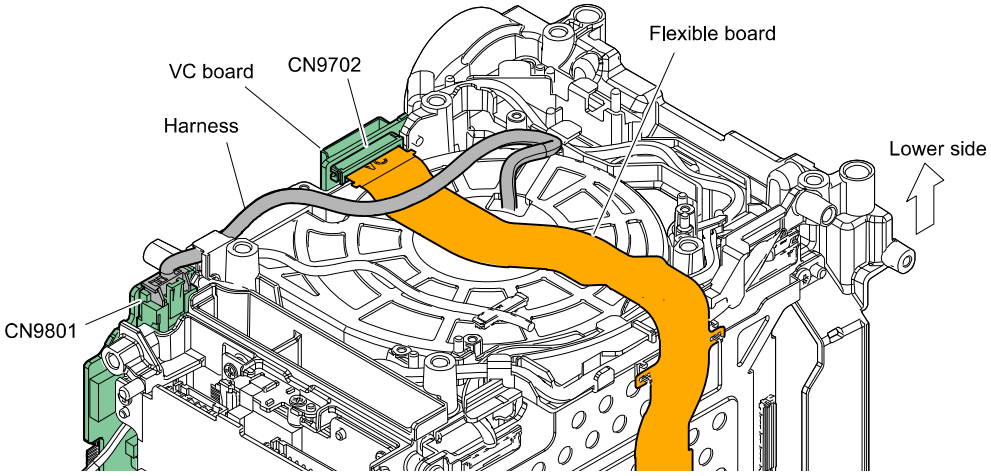
   Tip

   Tighten the adhesive applied screw at the position shown below.

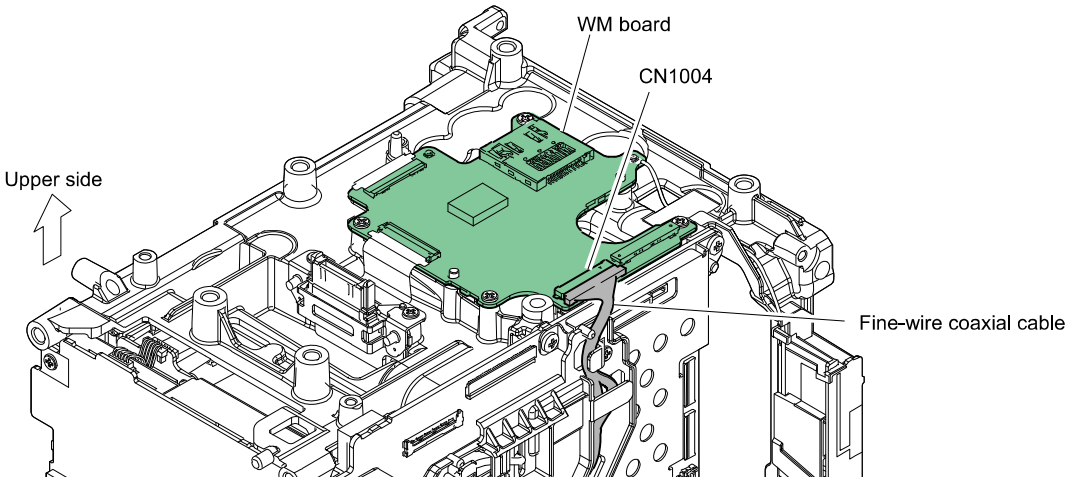




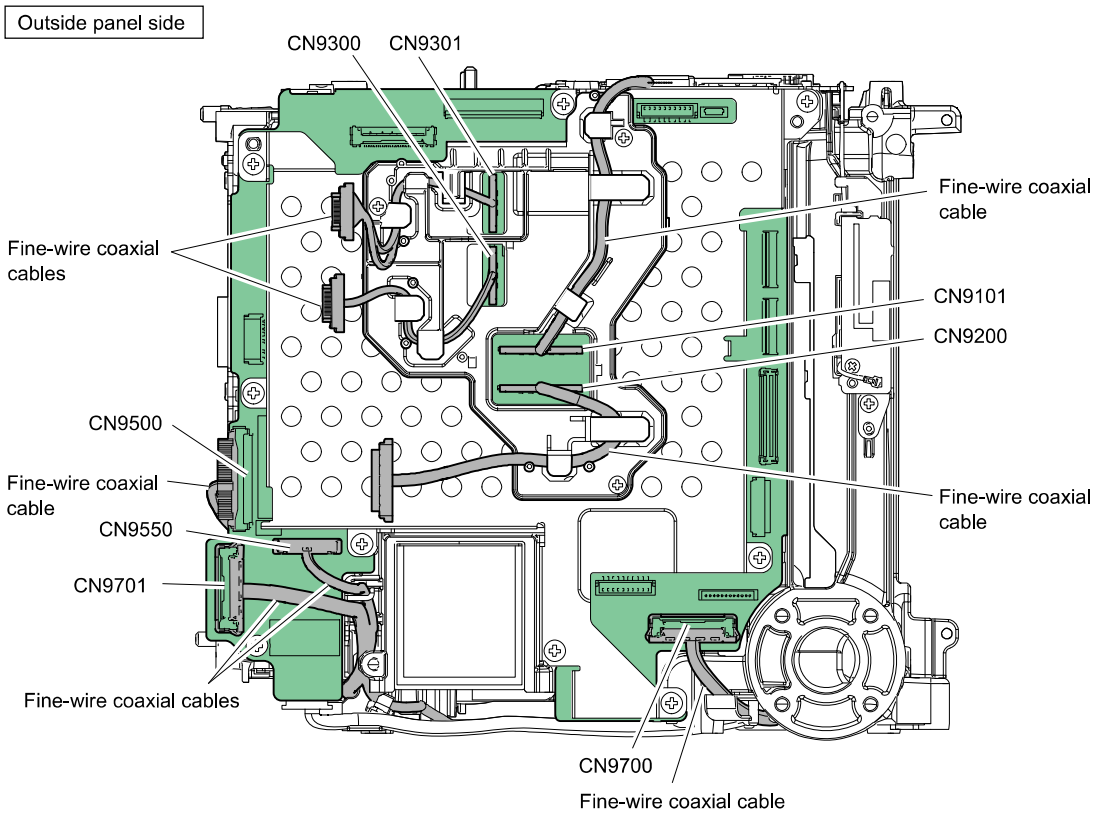
6. Connect the flexible board to the connector (CN9702) on the VC board.
7. Connect the harness to the connector (CN9801) on the VC board.



8. Connect the fine-wire coaxial cable to the connector (CN1004) on the WM board.



9. Connect the eight fine-wire coaxial cables to the connectors (CN9101, CN9200, CN9300, CN9301, CN9500, CN9550, CN9700, CN9701) on the VC board.

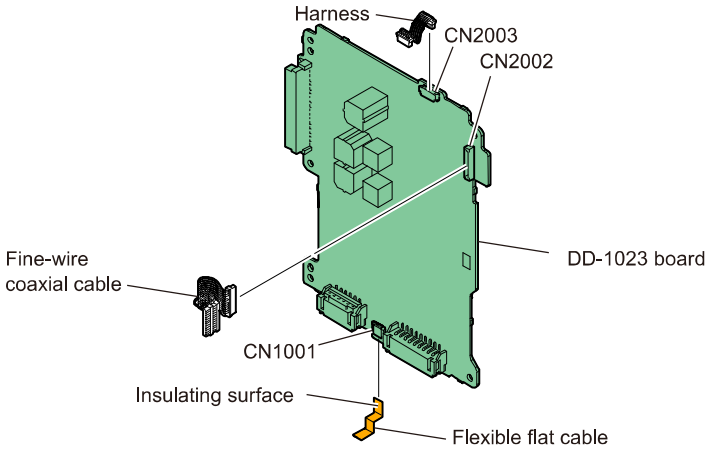


Installation

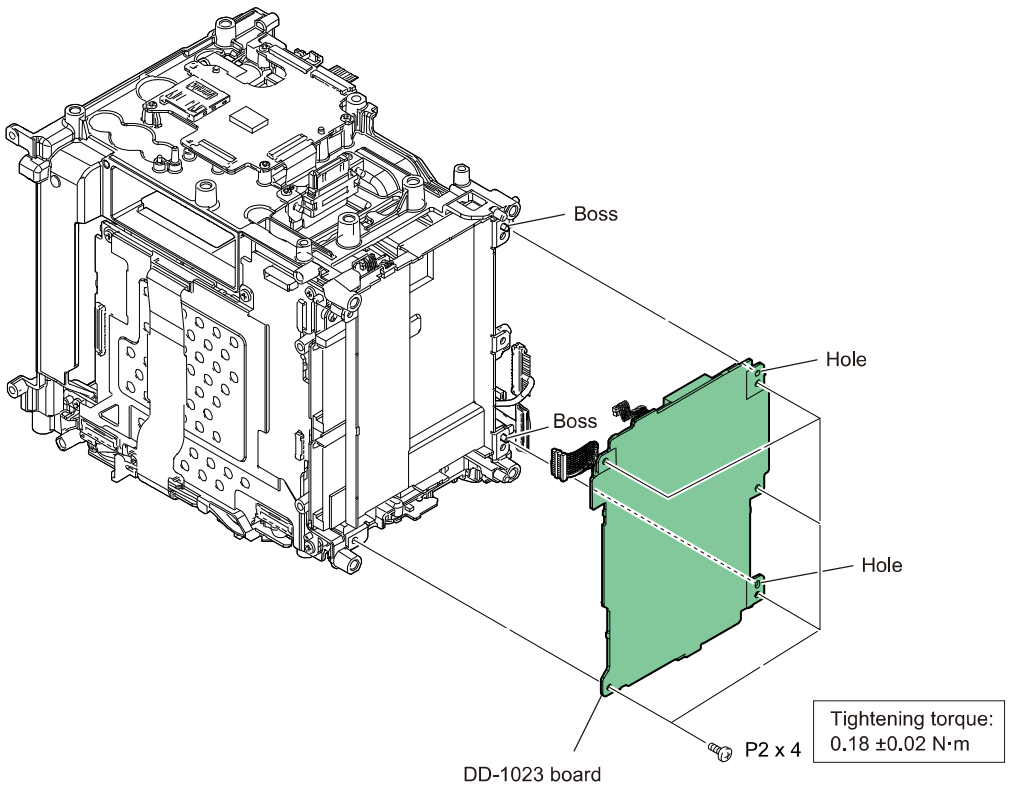
1. Install the fan holder assembly. (Refer to “3-10. Fan Holder Assembly”.)
2. Install the SD-1015 board. (Refer to “3-9. SD-1015 Board”.)
3. Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
4. Install the rear block. (Refer to “3-7. Rear Block”.)
5. Install the OHB block. (Refer to “3-6. OHB Block”.)
6. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
7. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
8. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-13. DD-1023 Board

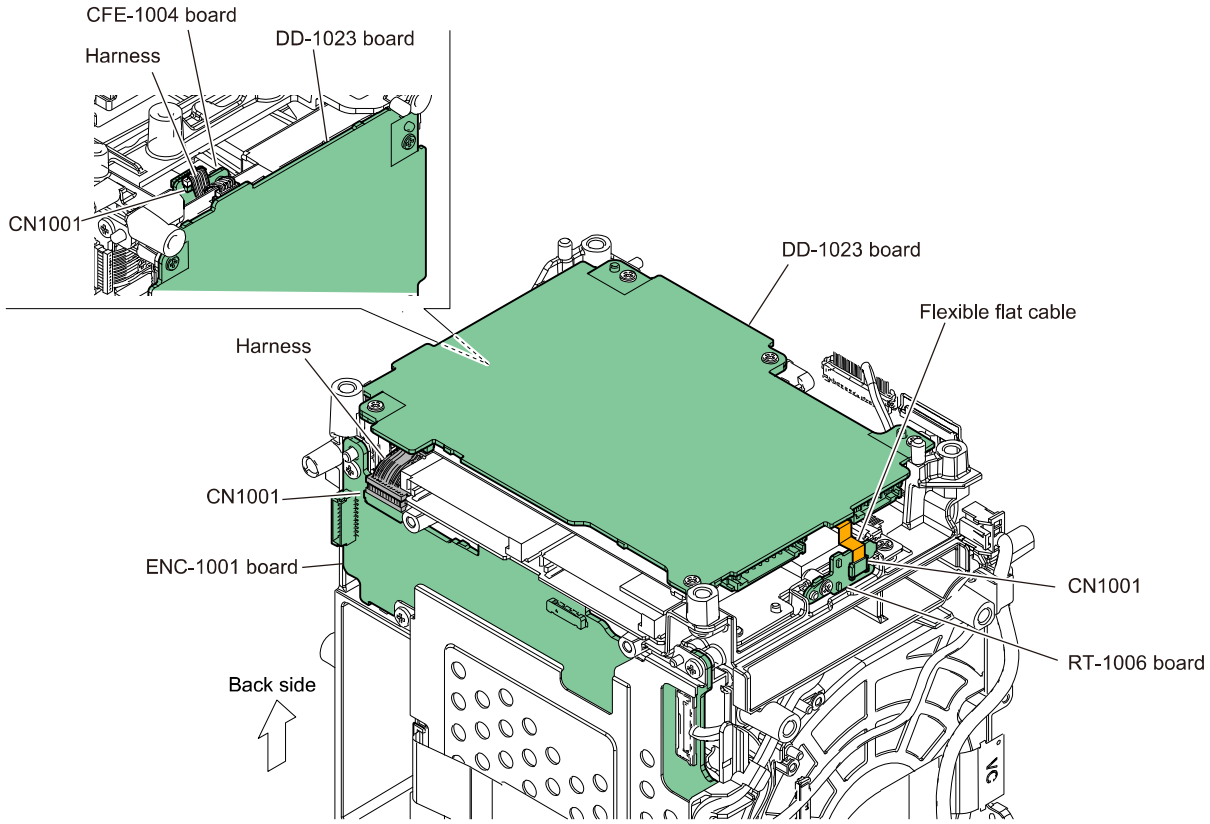
1. Connect the harness to the connector (CN2003) on the DD-1023 board.
2. Connect the flexible flat cable to the connector (CN1001) on the DD-1023 board as shown below.
3. Connect the fine-wire coaxial cable to the connector (CN2002) on the DD-1023 board.



4. Align the bosses with the holes, and then secure the DD-1023 board with the five screws.



5. Connect the harness to the connector (CN1001) on the CFE-1004 board.
6. Connect the flexible flat cable to the connector (CN1001) on the RT-1006 board.
7 Connect the harness to the connector (CN1001) on the ENC-1001 board.



Installation

1. Install the VC board assembly. (Refer to “3-12. VC Board Assembly”.)
2. Install the fan holder assembly. (Refer to “3-10. Fan Holder Assembly”.)
3. Install the SD-1015 board. (Refer to “3-9. SD-1015 Board”.)
4 Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
5. Install the rear block. (Refer to “3-7. Rear Block”.)
6. Install the OHB block. (Refer to “3-6. OHB Block”.)
7. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
8. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
9. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

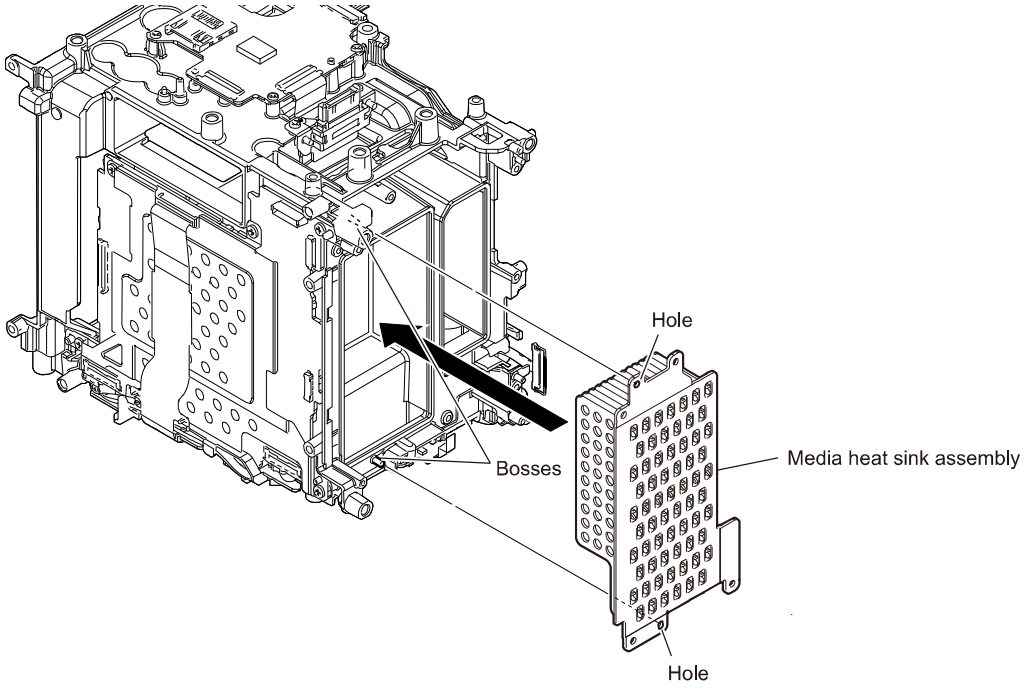
3-14. CFE-1004 Board

Note

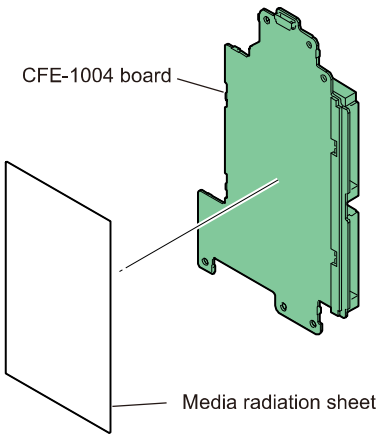
The following parts are not reusable. Prepare new parts in advance.

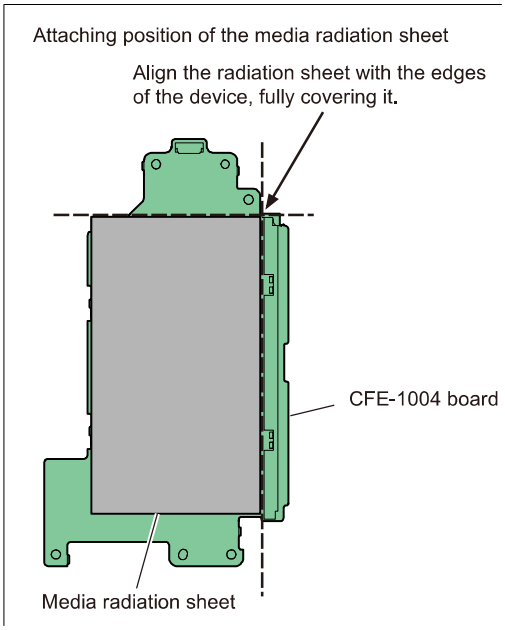
- Media radiation sheet: 1pc

1. Align the bosses with the holes, and then attach the media heat sink assembly straight in the direction of the arrow.

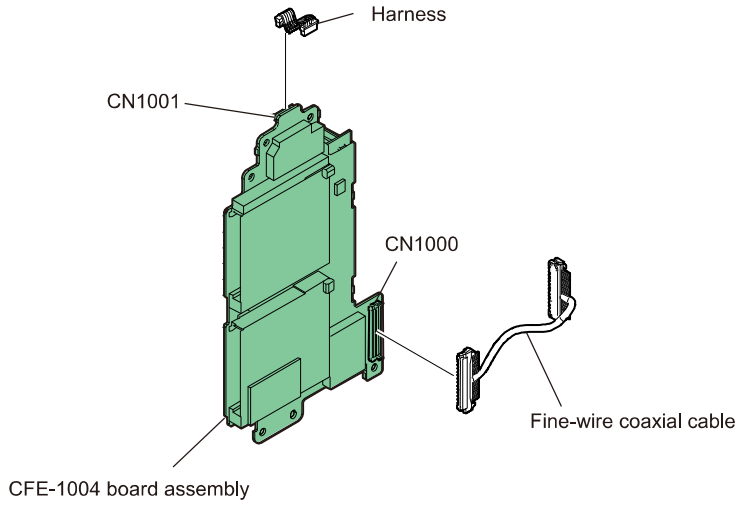


2. Attach the media radiation sheet at the position shown below.

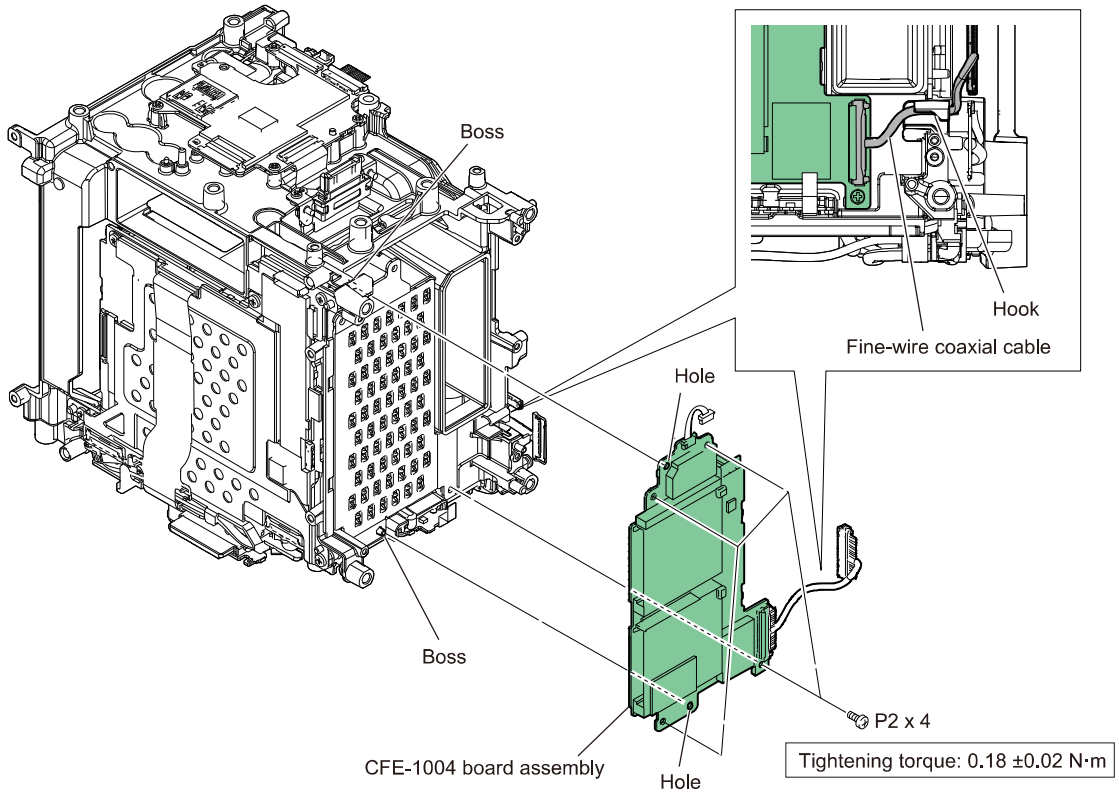




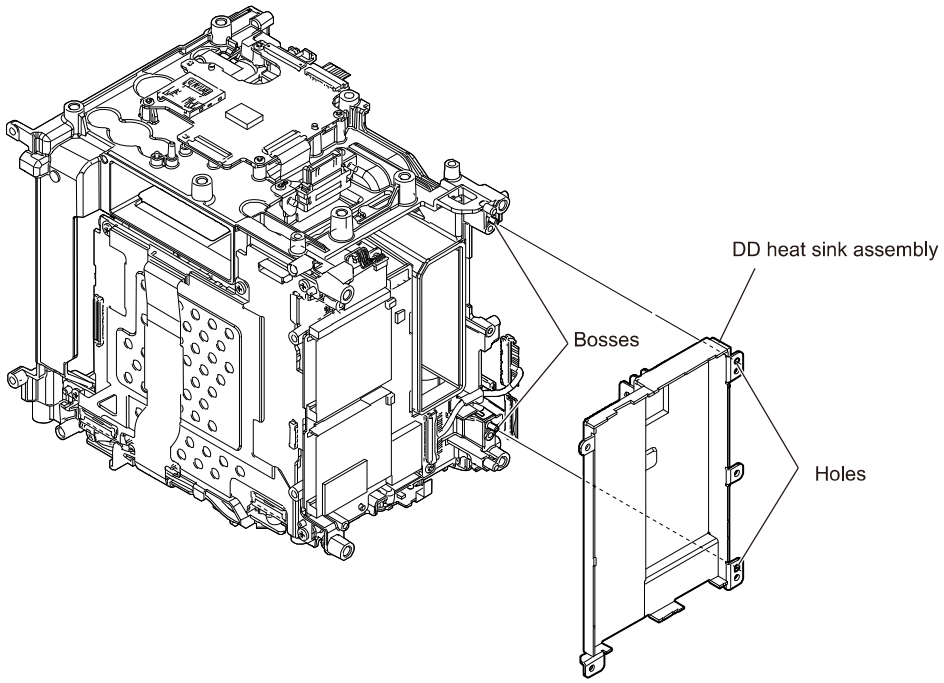
3. Connect the harness to the connector (CN1001) on the CFE-1004 board assembly.
4. Connect the fine-wire coaxial cable to the connector (CN1000) on the CFE-1004 board assembly.



5. Align the bosses with the holes, and then secure the CFE-1004 board assembly with the four screws.
6. Clamp the fine-wire coaxial cable with the hook as shown below.



7. Align the bosses with the holes, and then attach the DD heat sink assembly.

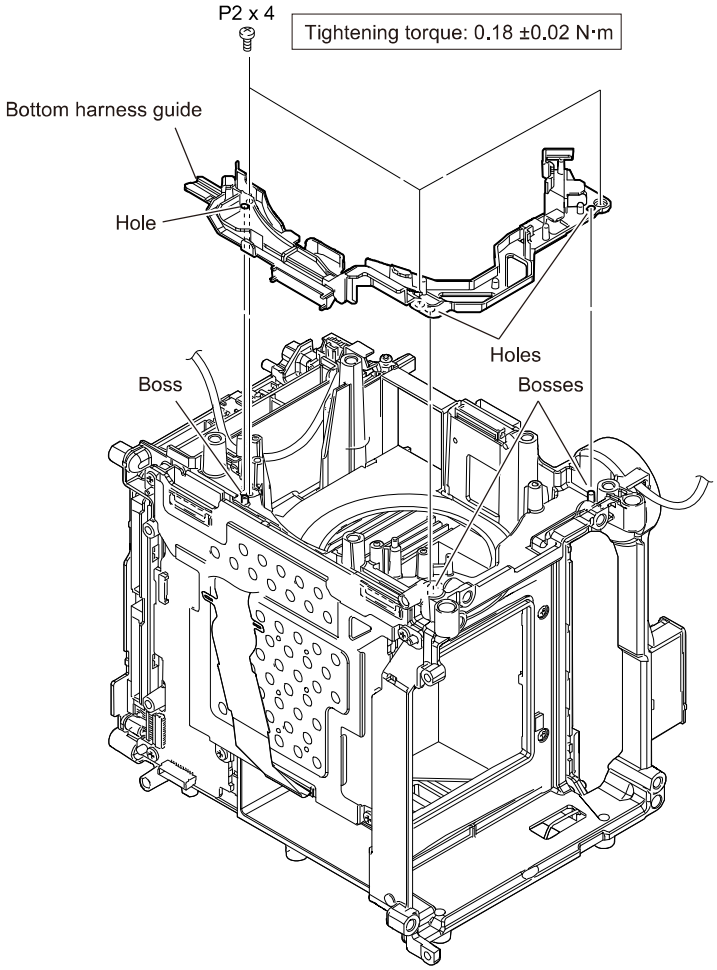


Installation

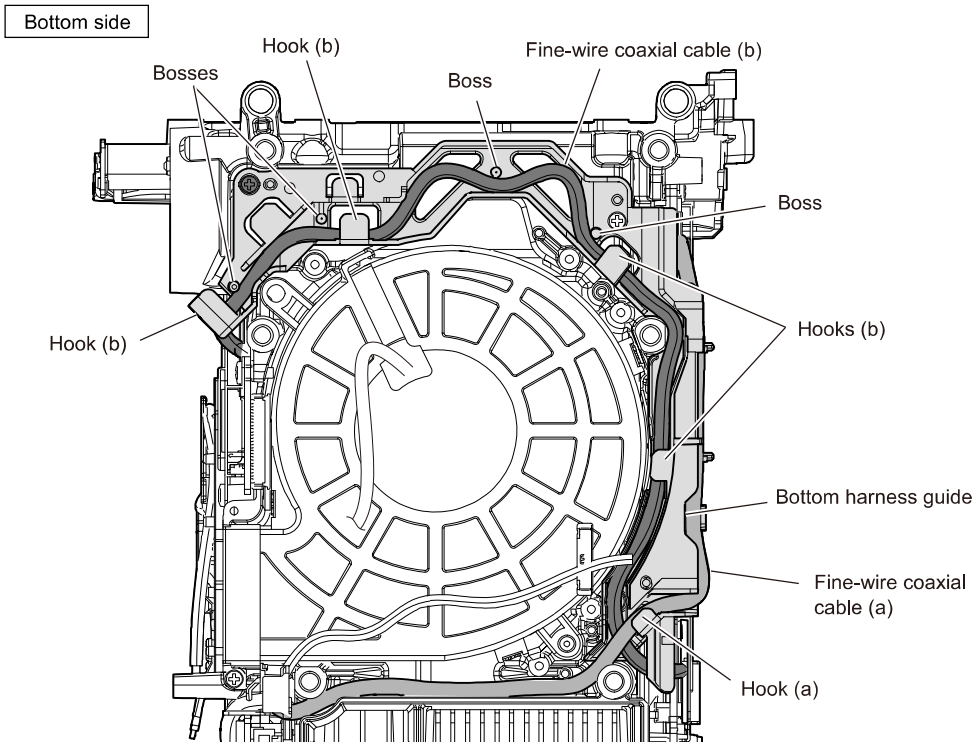
1. Install the DD-1023 board. (Refer to “3-13. DD-1023 Board”.)
2. Install the VC board assembly. (Refer to “3-12. VC Board Assembly”.)
3. Install the fan holder assembly. (Refer to “3-10. Fan Holder Assembly”.)
4. Install the SD-1015 board. (Refer to “3-9. SD-1015 Board”.)
5 Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
6. Install the rear block. (Refer to “3-7. Rear Block”.)
7. Install the OHB block. (Refer to “3-6. OHB Block”.)
8. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
9. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
10. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-15. Bottom Harness Guide

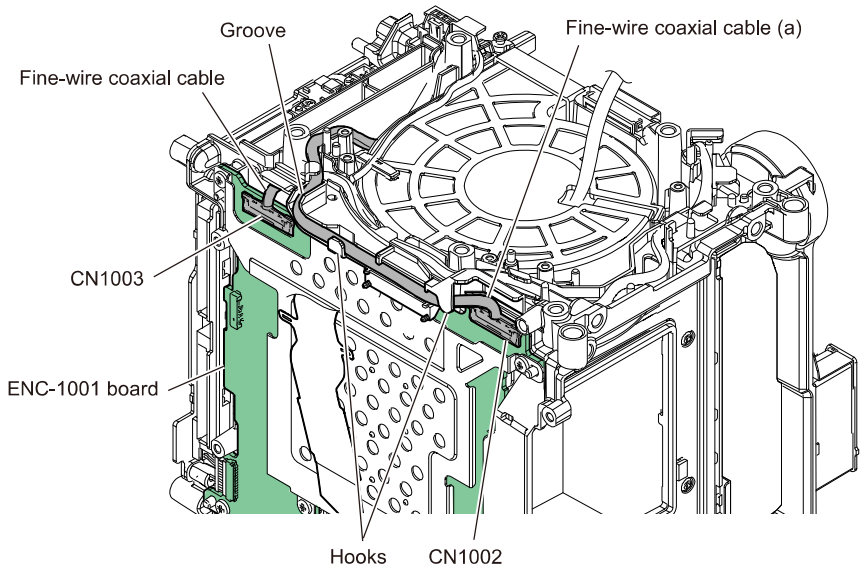
1. Align the bosses with the holes, and then secure the bottom harness guide with the three screws.



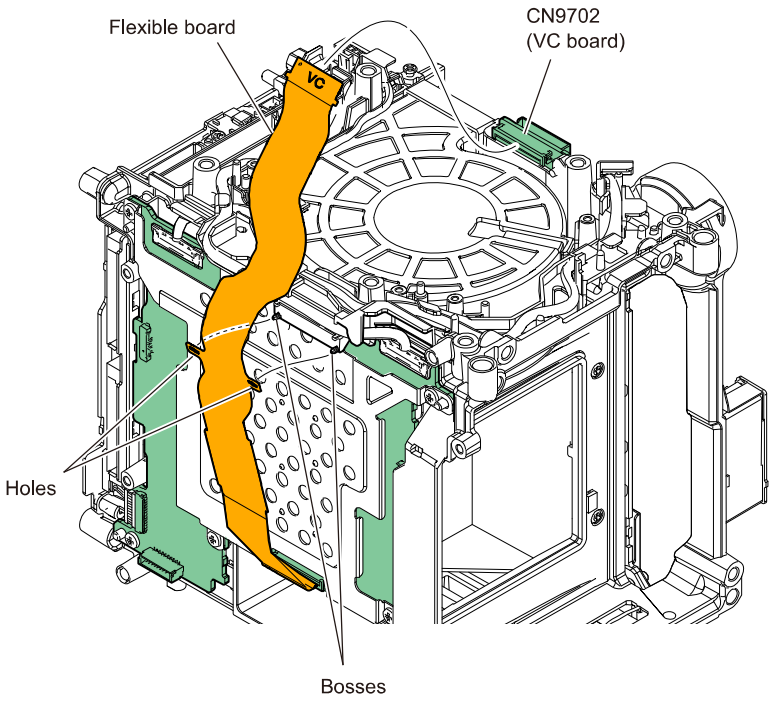
2. Arrange the fine-wire coaxial cable (b) inside the four bosses and clamp it with the four hooks (b).
3. Clamp the fine-wire coaxial cable (a) with the hook (a).



4. Clamp the fine-wire coaxial cable (a) with the two hooks and the groove.
5. Connect the two fine-wire coaxial cables to the connectors (CN1002, CN1003) on the ENC-1001 board.



6. Fit the two holes of the flexible board with the two bosses.
7. Connect the flexible board to the connector (CN9702) on the VC board.



Installation

1. Install the fan holder assembly. (Refer to “3-10. Fan Holder Assembly”.)
2. Install the SD-1015 board. (Refer to “3-9. SD-1015 Board”.)
3. Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
4. Install the rear block. (Refer to “3-7. Rear Block”.)
5. Install the OHB block. (Refer to “3-6. OHB Block”.)
6. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
7. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
8. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

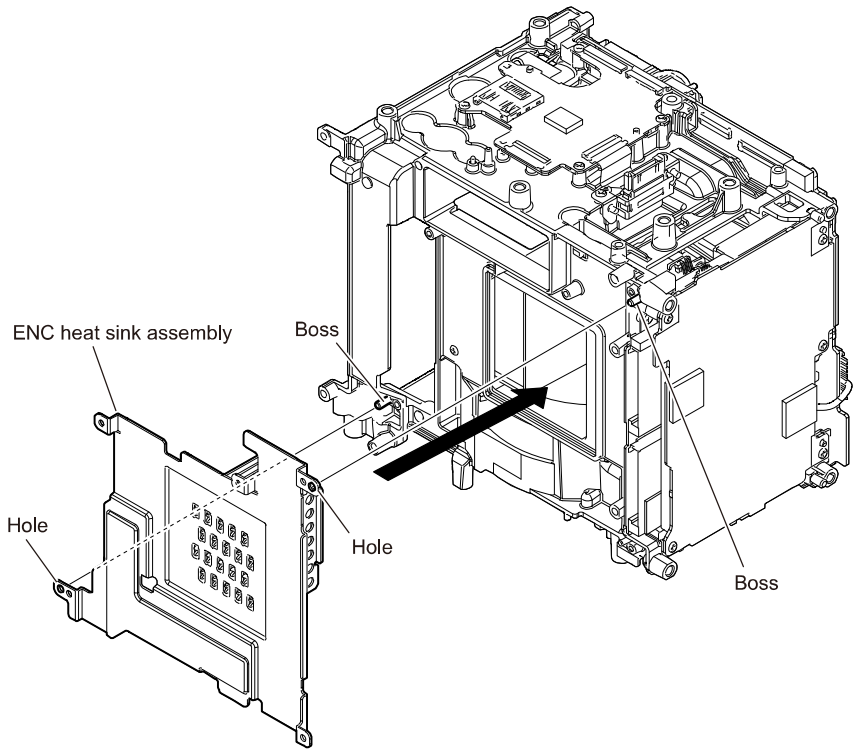
3-16. ENC-1001 Board

Note

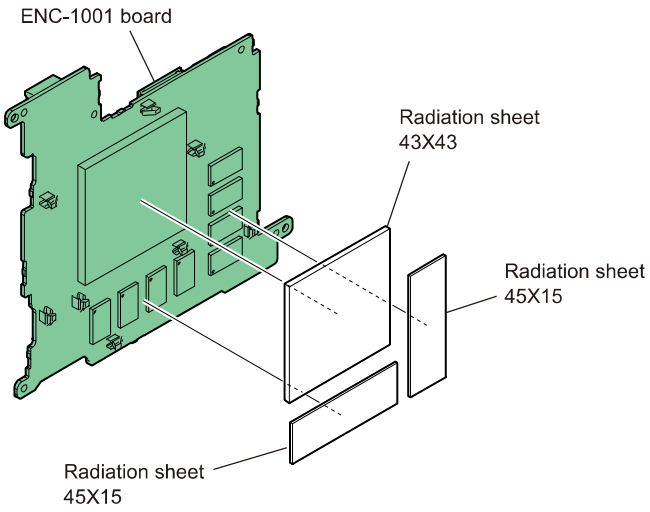
The following parts are not reusable. Prepare new parts in advance.

- Radiation sheet 43X43: 1pc
- Radiation sheet 45X15: 2pcs

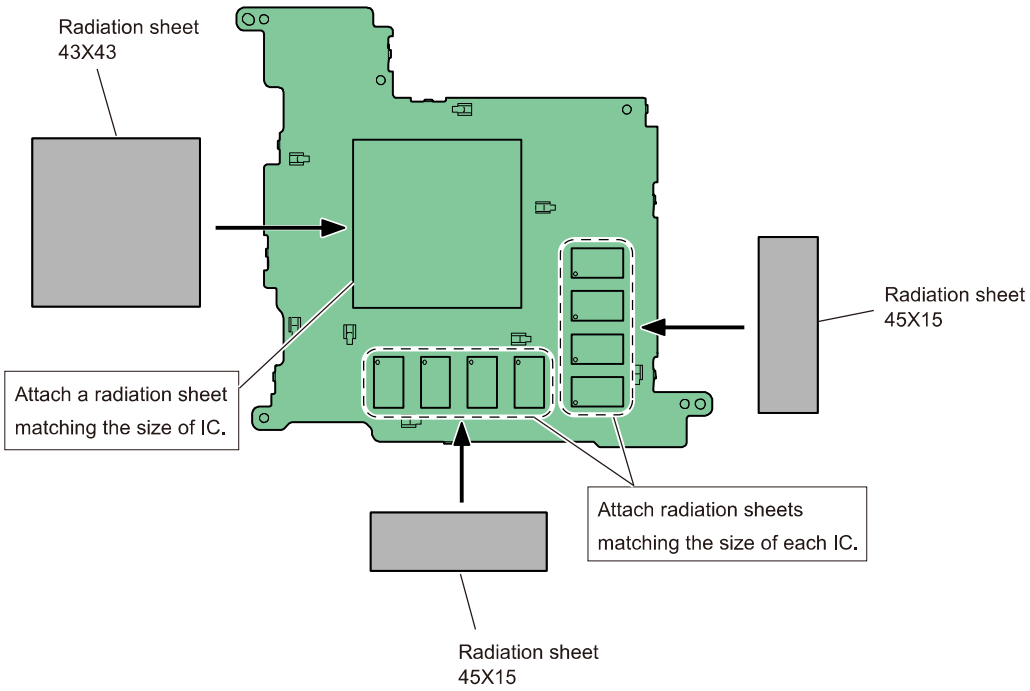
1. Align the bosses with the holes, and then attach the ENC heat sink assembly straight in the direction of the arrow.



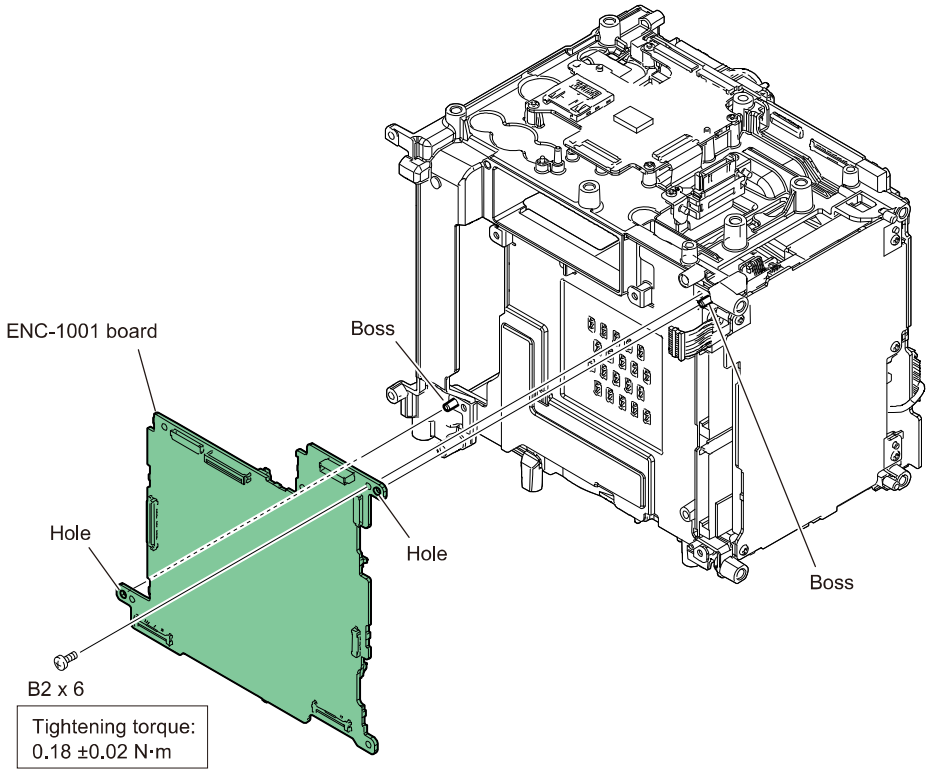
2. Attach radiation sheets to the specified positions on the ENC-1001 board as shown below.



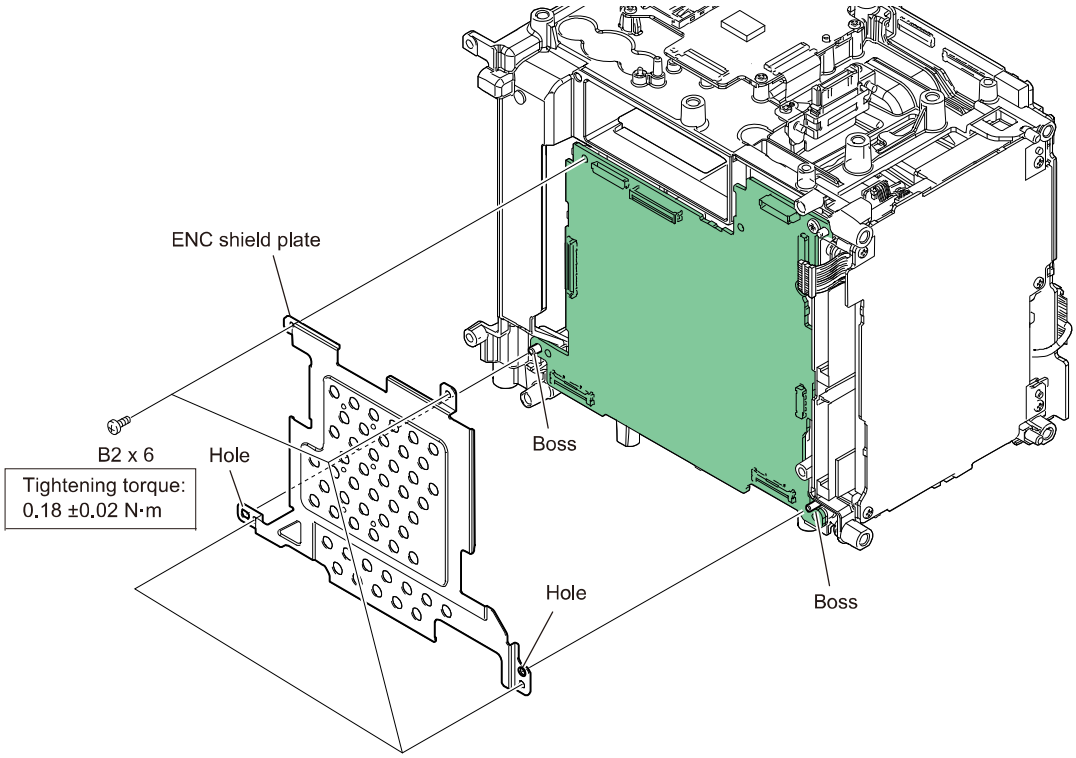
Attaching position of radiation sheets



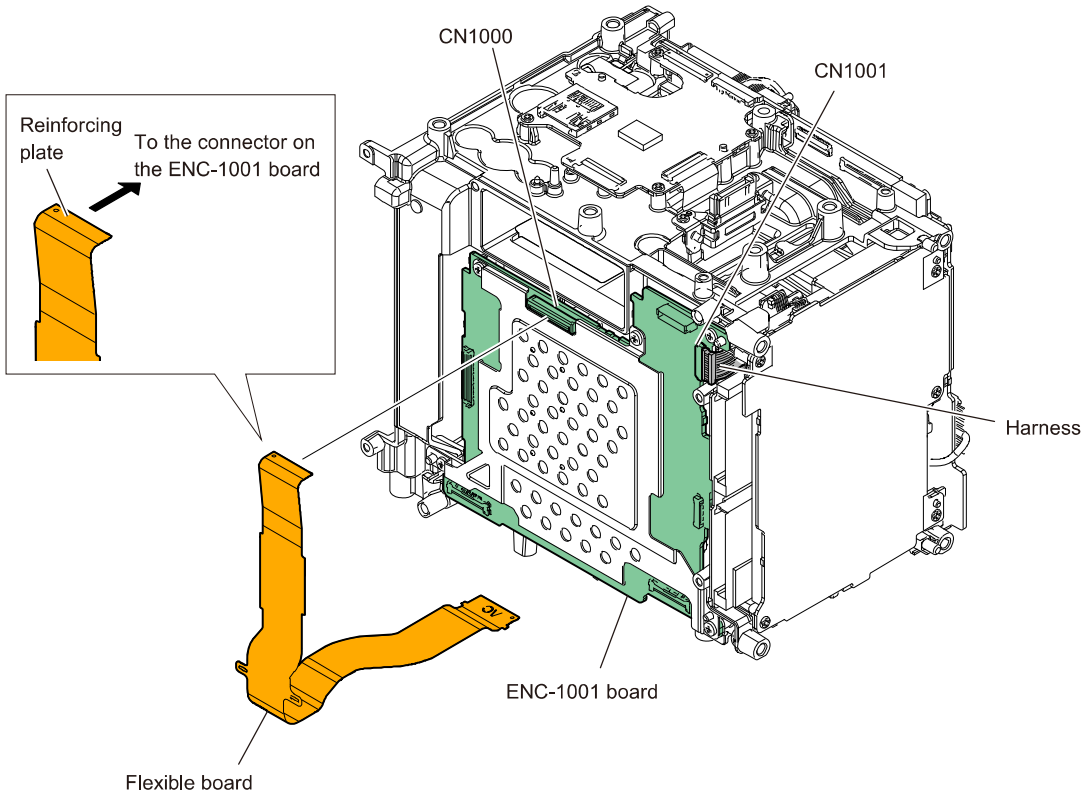
3. Align the bosses with the holes, and then secure the ENC-1001 board with the screw.



4. Align the bosses with the holes, and then secure the ENC shield plate with the four screws.



5. Connect the harness to the connector (CN1001) on the ENC-1001 board.
6. Connect the flexible board to the connector (CN1000) on the ENC-1001 board as shown below.

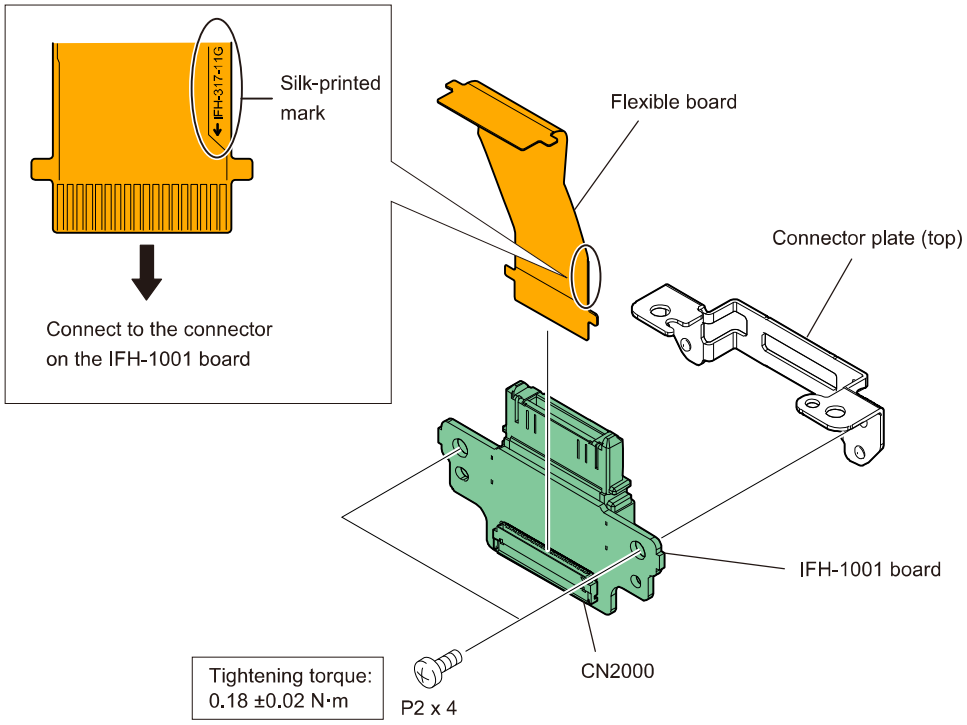


Installation

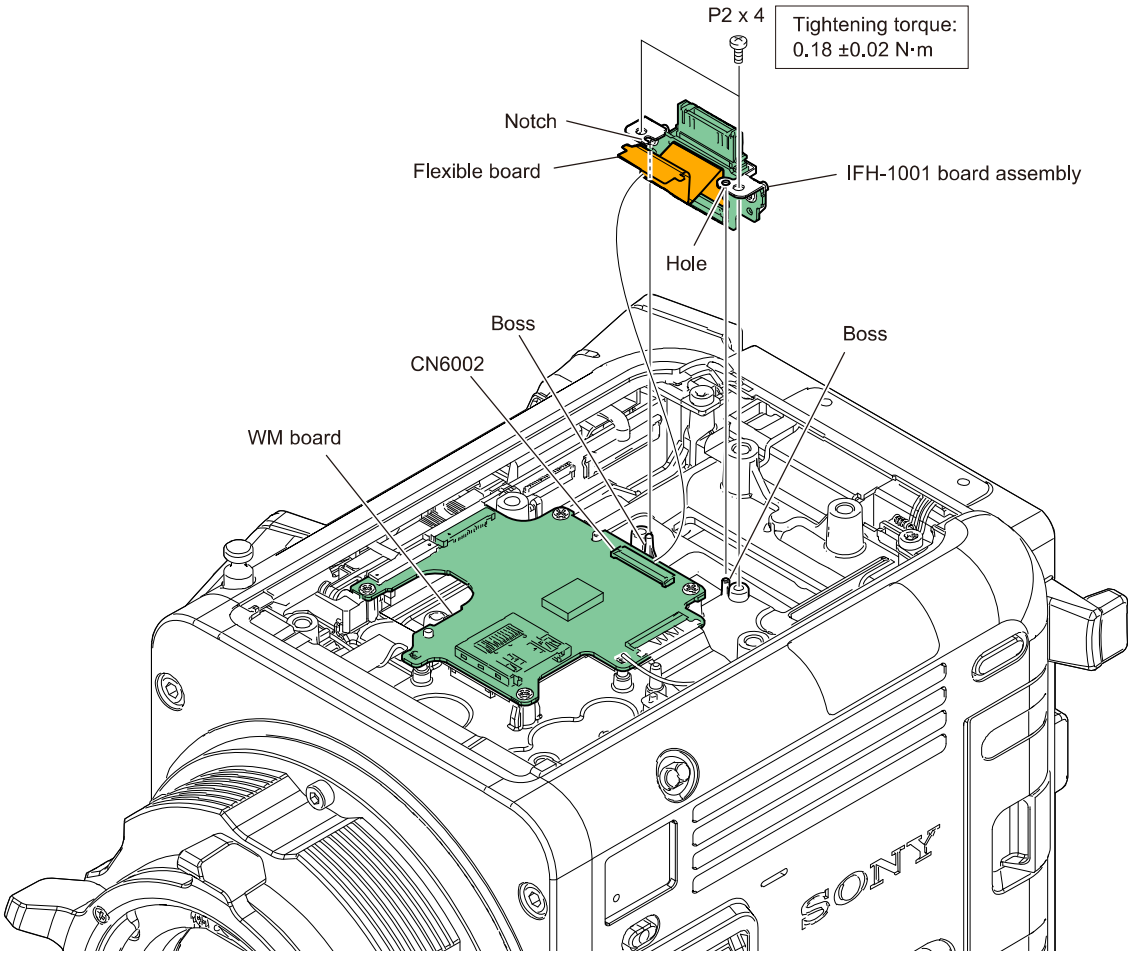
1. Install the bottom harness guide. (Refer to “3-15. Bottom Harness Guide”.)
2. Install the fan holder assembly. (Refer to “3-10. Fan Holder Assembly”.)
3. Install the SD-1015 board. (Refer to “3-9. SD-1015 Board”.)
4. Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
5. Install the rear block. (Refer to “3-7. Rear Block”.)
6. Install the OHB block. (Refer to “3-6. OHB Block”.)
7. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
8. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
9. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-17. IFH-1001 Board

1. Secure the IFH-1001 board to the connector plate (top) with the two screws.
2. Connect the flexible board to the connector (CN2000) on the IFH-1001 board as shown below.



3. Align the bosses with the notch and the hole, and then secure the IFH-1001 board assembly with the two screws.
4. Connect the flexible board to the connector (CN6002) on the WM board.

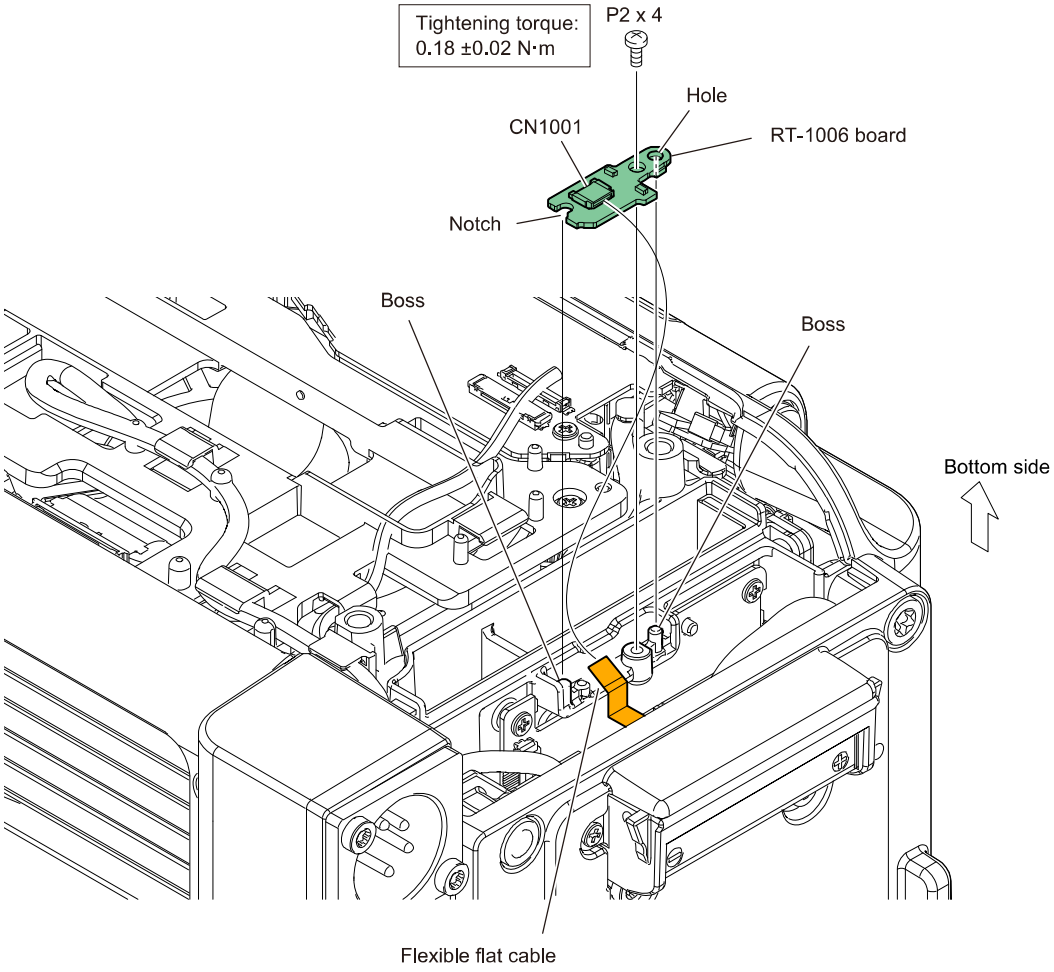


Installation

1. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-18. RT-1006 Board

1. Align the bosses with the notch and the hole, and then secure the RT-1006 board with the screw.
2. Connect the flexible flat cable to the connector (CN1001) on the RT-1006 board.

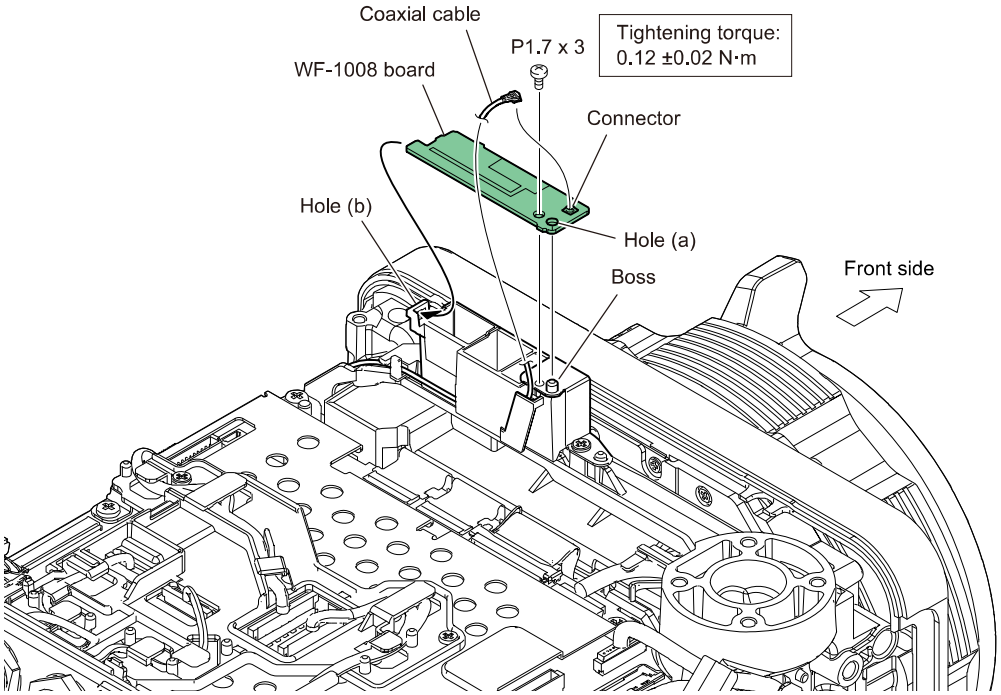


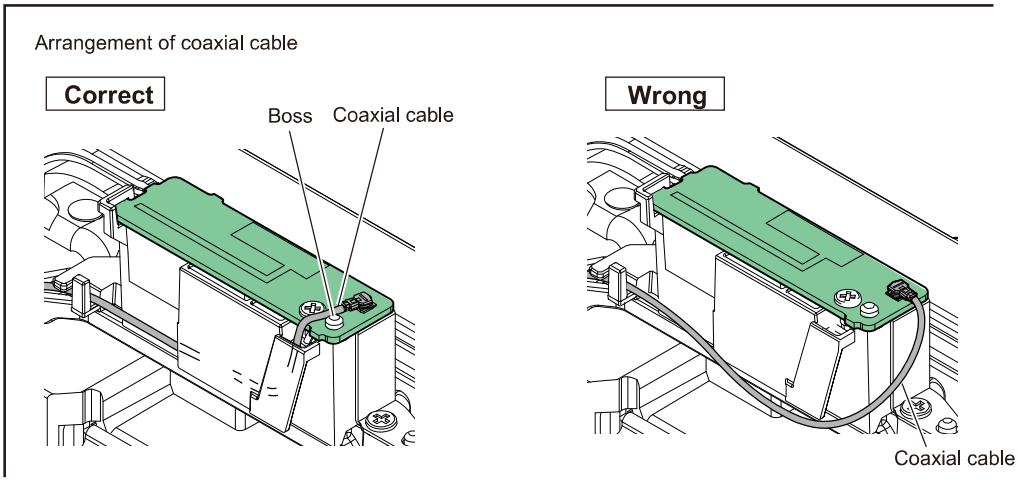
Installation

1. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)

3-19. WF-1008 Board

1. Attach the WF-1008 board to the hole (b) and align the boss with the hole (a).
2. Connect the coaxial cable to the connector on the WF-1008 board.



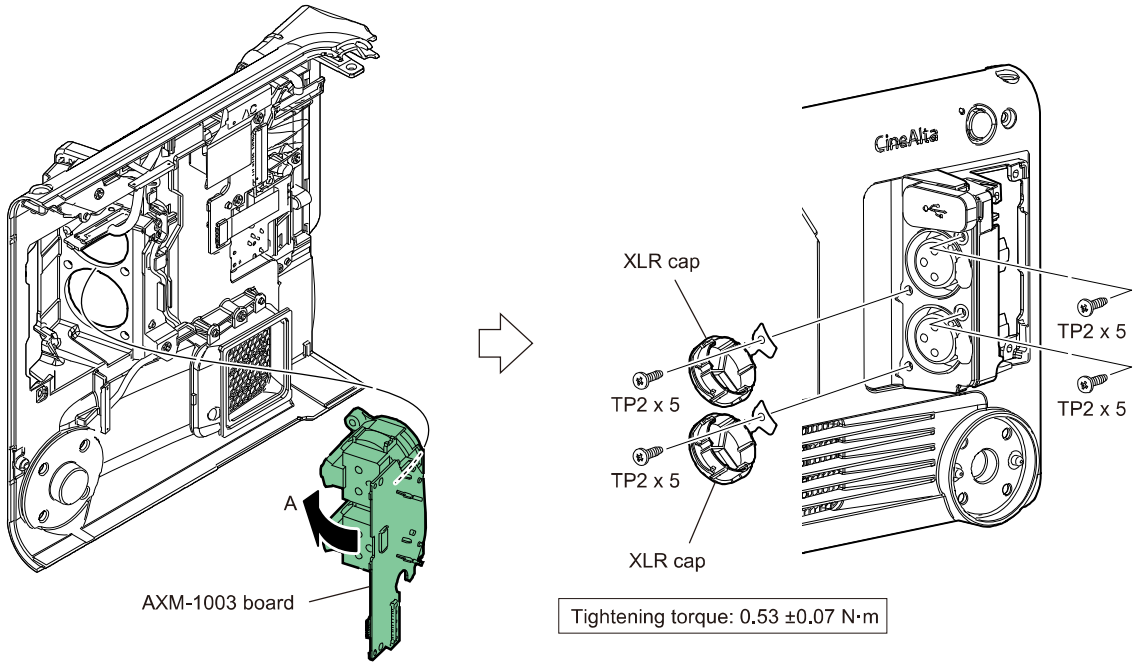


Installation

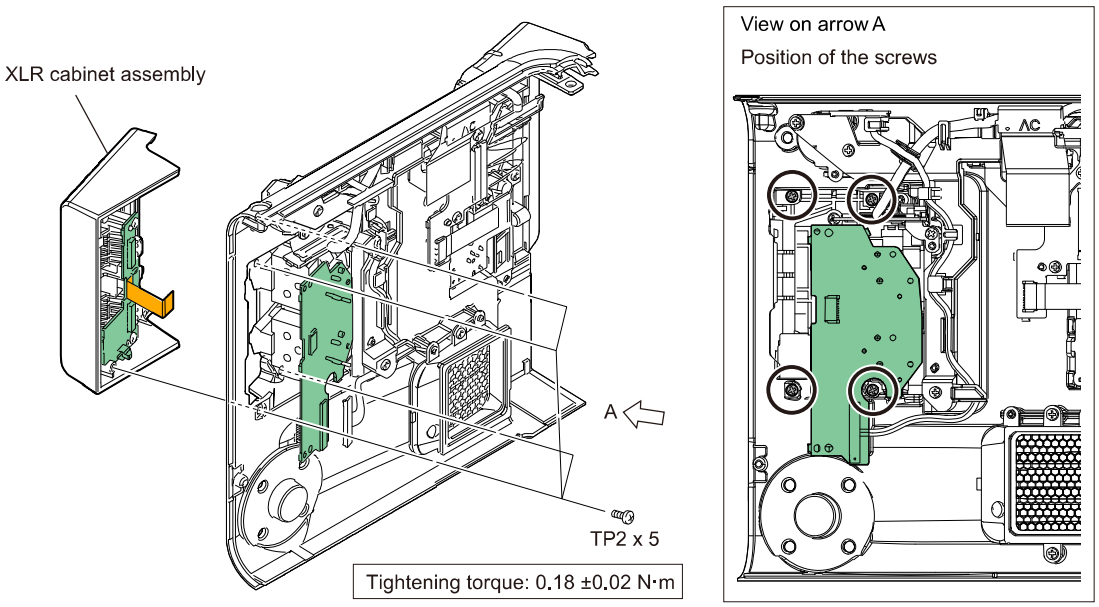
1. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
2. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
3. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-20. AXM-1003 Board

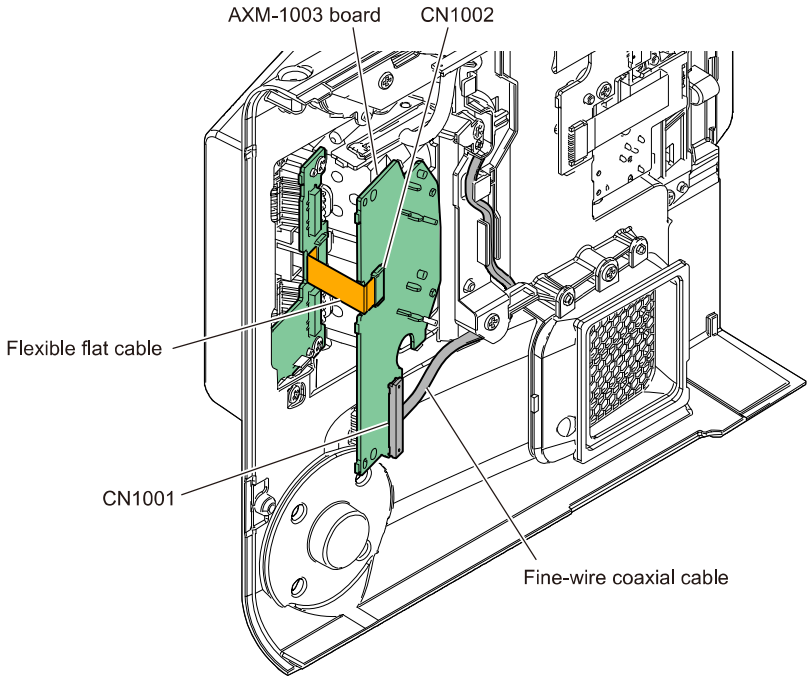
1. Tilt the AXM-1003 board in the direction of the arrow A and attach it.
2. Open the two XLR caps and secure them with the four screws.



3. Secure the XLR cabinet assembly with the four screws.



4. Connect the flexible flat cable to the connector (CN1002) on the AXM-1003 board.
5. Connect the fine-wire coaxial cable to the connector (CN1001) on the AXM-1003 board.

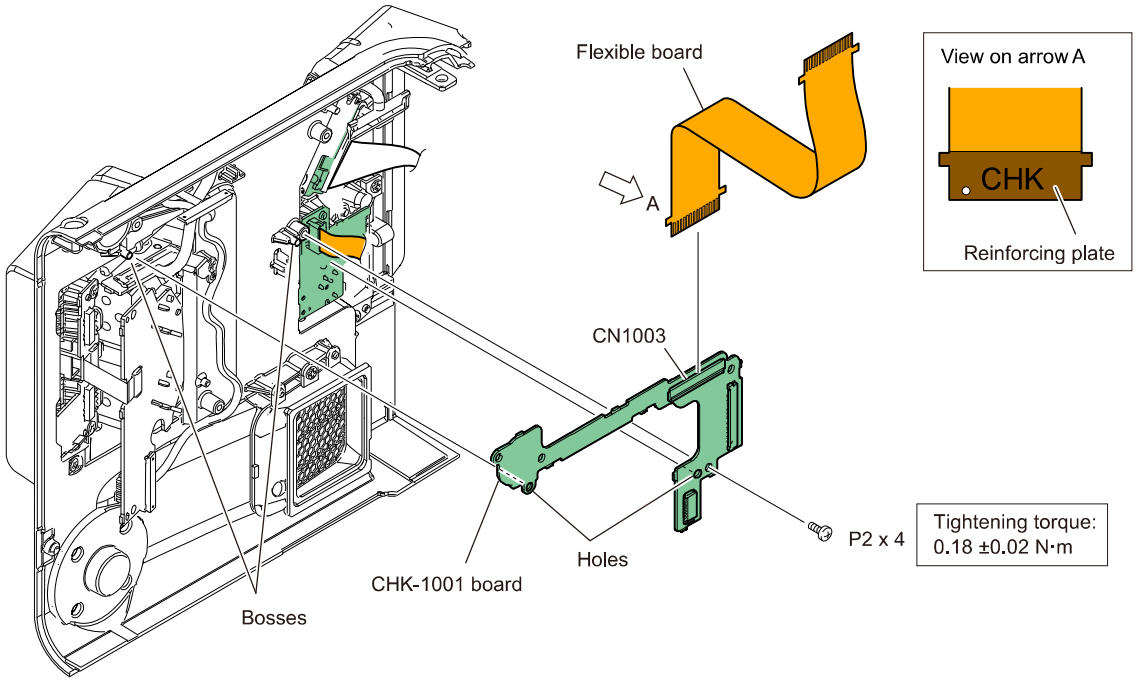


Installation

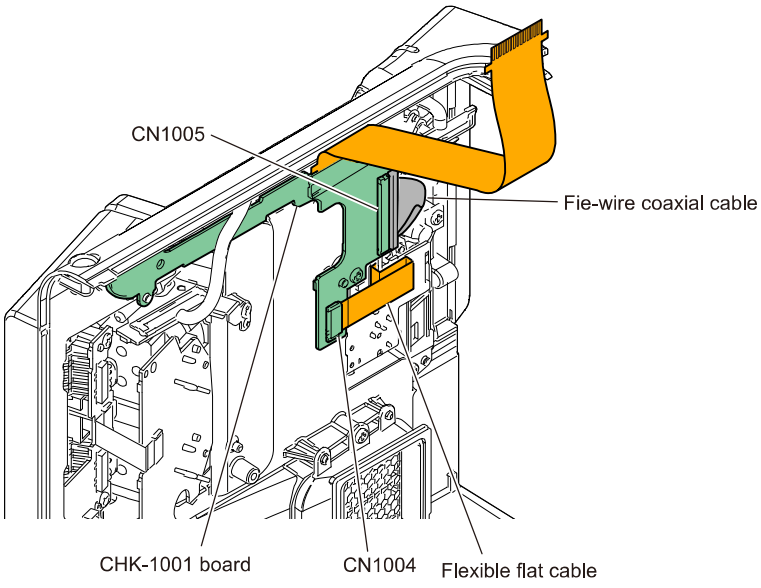
1. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
2. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
3. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-21. CHK-1001 Board

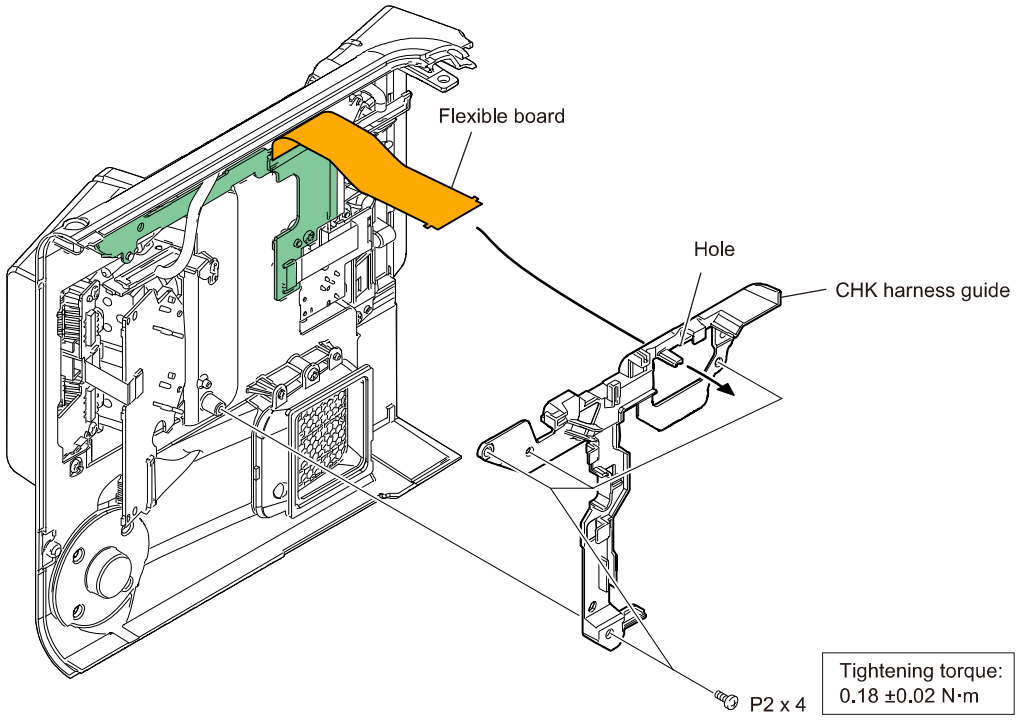
1. Connect the flexible board to the connector (CN1003) on the CHK-1001 board as shown below.
2. Align the bosses with the holes, and then secure the CHK-1001 board with the screw.



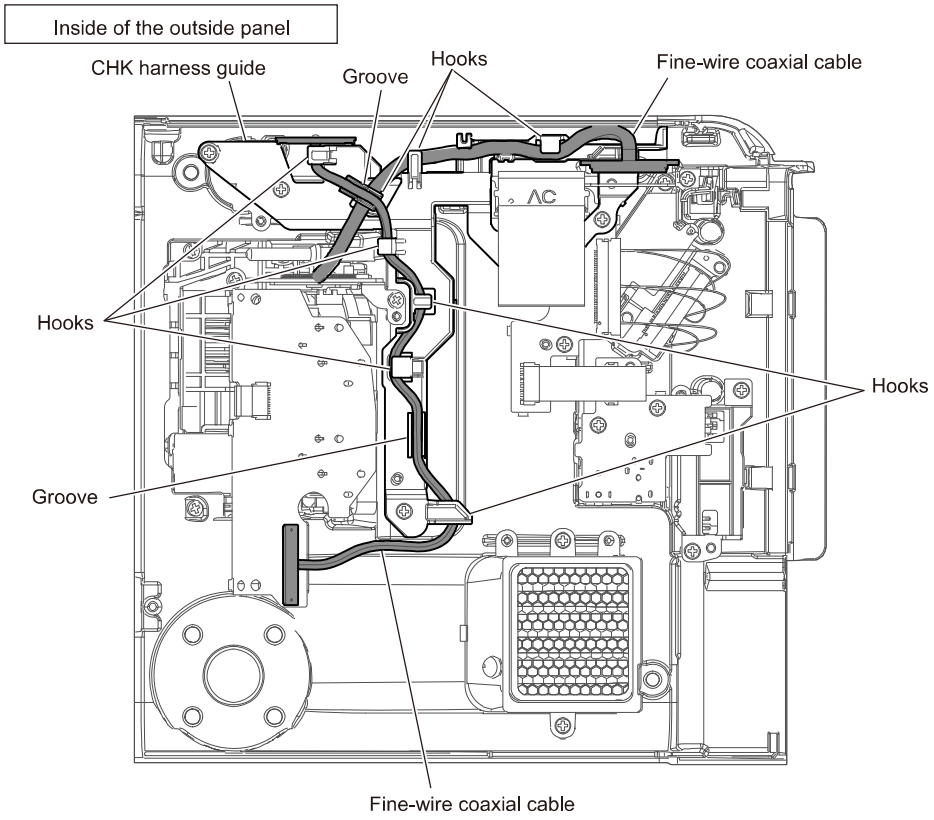
3. Connect the flexible flat cable to the connector (CN1004) on the CHK-1001 board.
4. Connect the fine-wire coaxial cable to the connector (CN1005) on the CHK-1001 board.



5. Pass the flexible board through the hole of the CHK harness guide.
6. Secure the CHK harness guide with the four screws.



7. Clamp the two fine-wire coaxial cables with the two grooves and the eight hooks of the CHK harness guide.

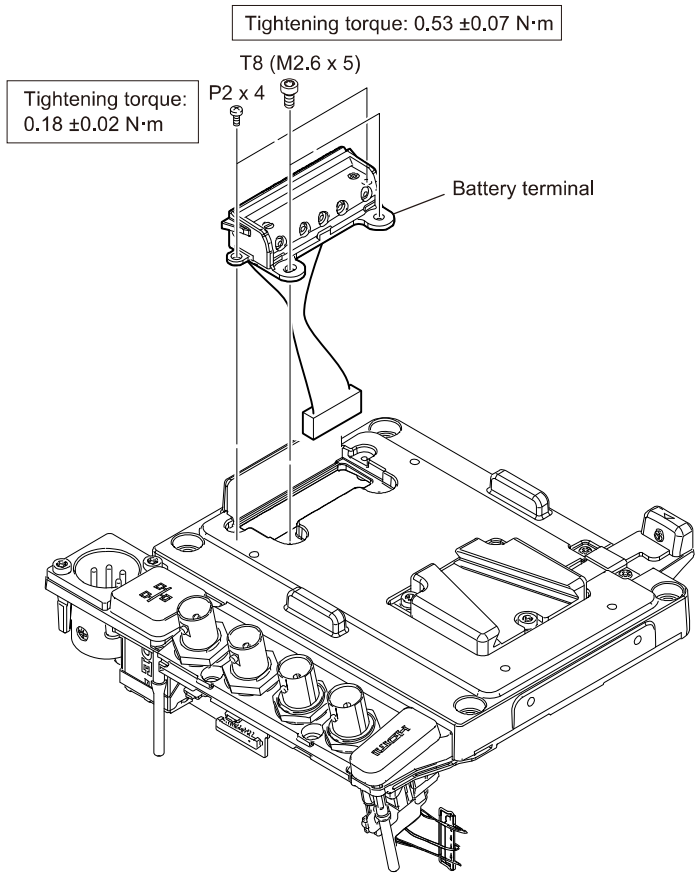


Installation

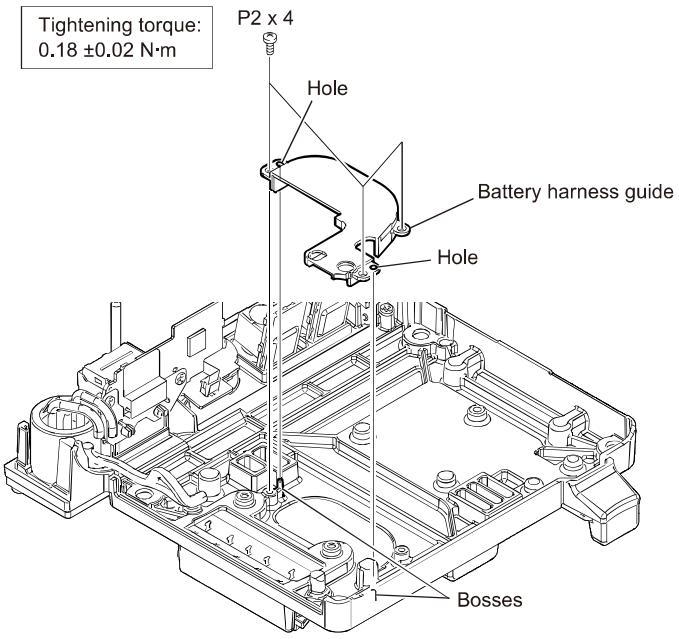
1. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
2. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
3. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

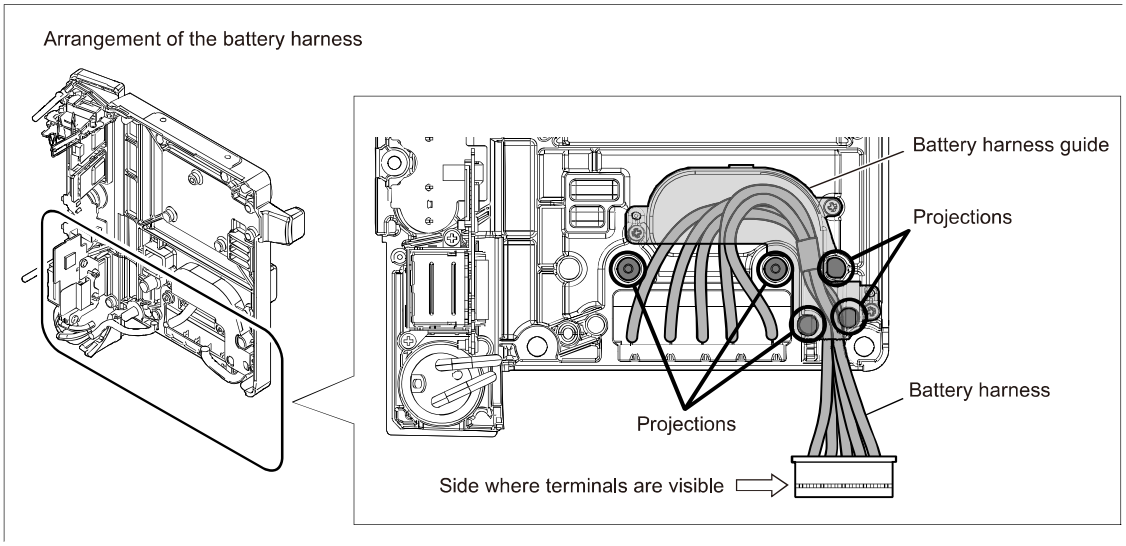
3-22. Battery Terminal

1. Secure the battery terminal with the two hexalobular screws and the two screws (P2 x 4).



2. Arrange the battery harness as shown below.
3. Align the bosses with the holes, and then secure the battery harness guide with the three screws.





Installation

1. Install the rear block. (Refer to “3-7. Rear Block”.)
2. Install the OHB block. (Refer to “3-6. OHB Block”.)
3. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
4. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
5. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

3-23. SDI-1020 Board, SDI-1025 Board

1. Apply adhesive (Loctite 243) to the screw threads of the SDI-1020 board and the SDI-1025 board.

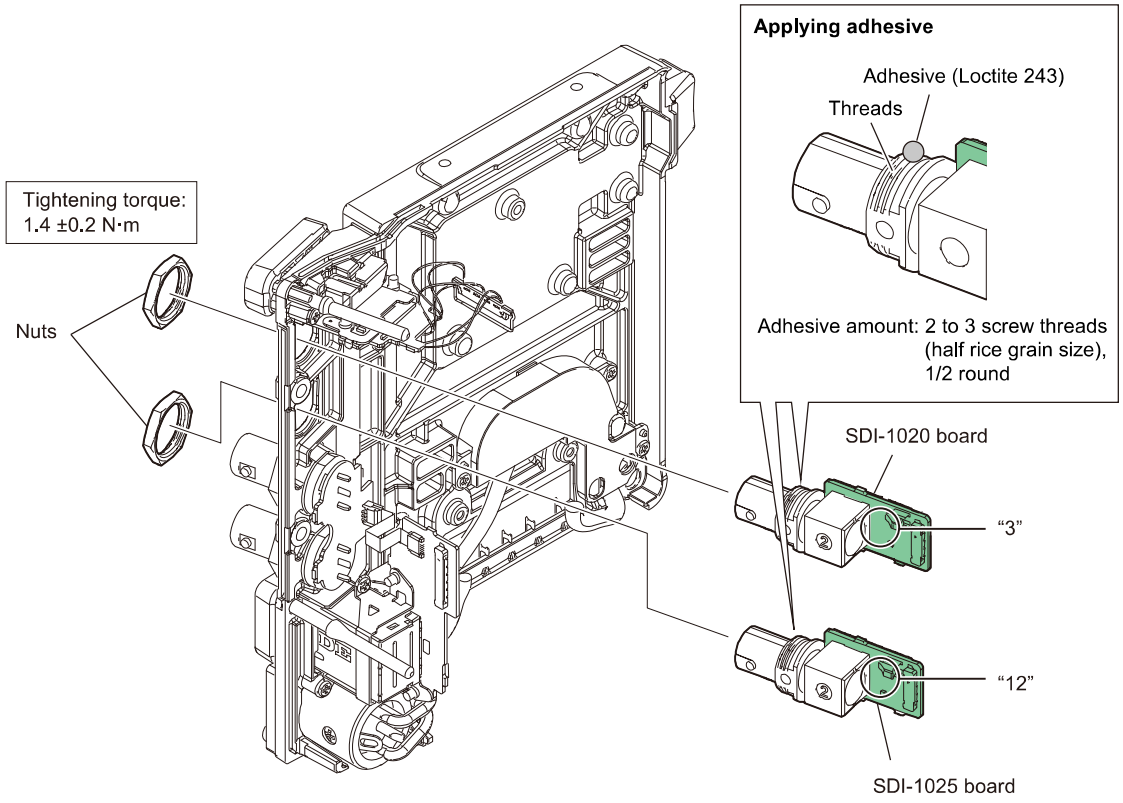
   Tip

   The size of a grain of rice means about 20 µL.

2. Secure the SDI-1020 board and the SDI-1025 board with the two nuts.

   Tip

   The SDI-1020 board and the SDI-1025 board can be distinguished with stamped characters 3 and 12.

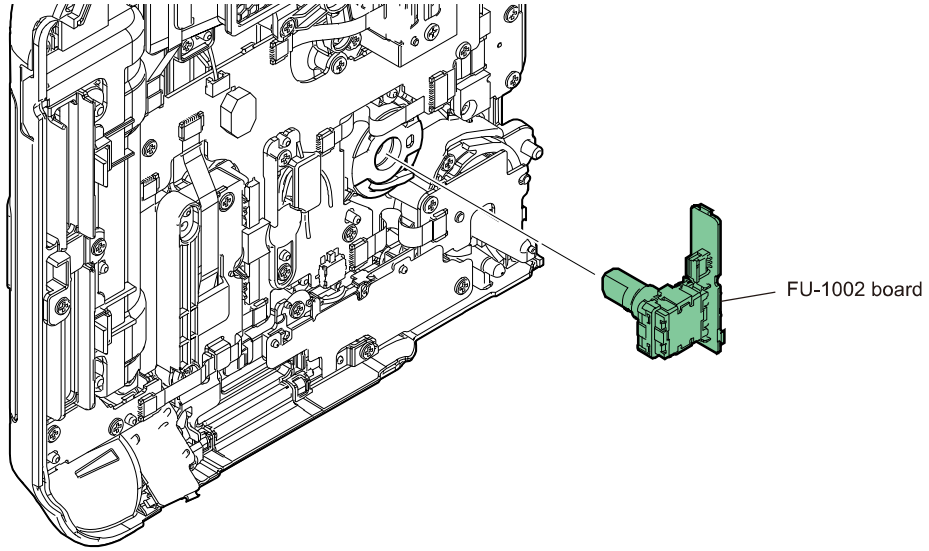


Installation

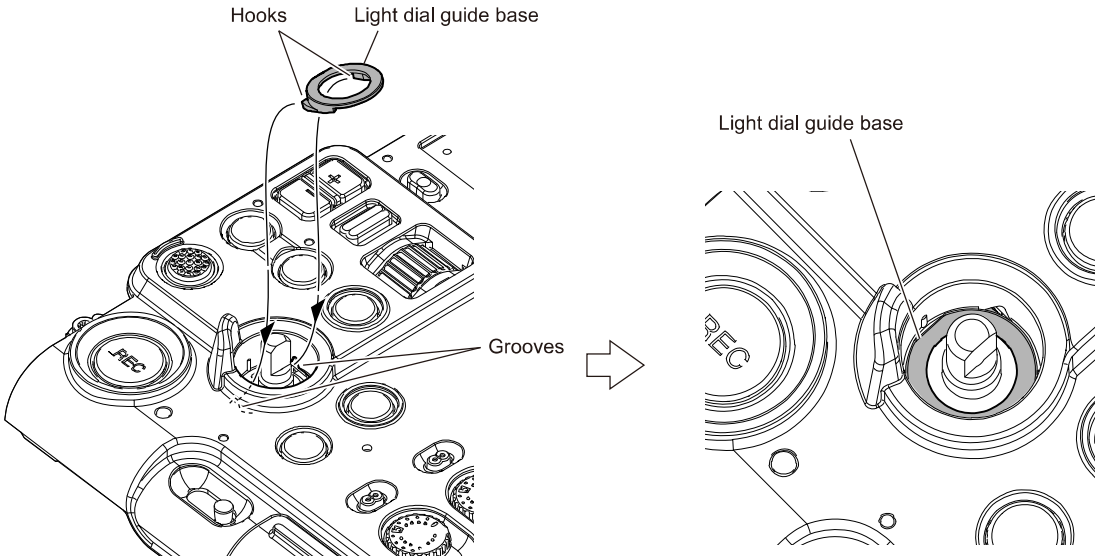
1. Install the rear block. (Refer to "3-7. Rear Block".)
2. Install the OHB block. (Refer to "3-6. OHB Block".)
3. Install the outside panel block. (Refer to "3-5. Outside Panel Block".)
4. Install the bottom assembly. (Refer to "3-4. Bottom Assembly".)
5. Install the top cabinet assembly. (Refer to "3-3. Top Cabinet Assembly".)

3-24. FU-1002 Board

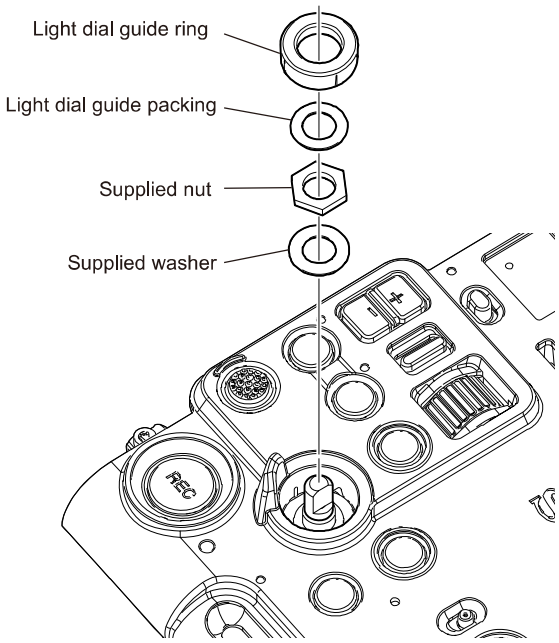
1. Attach the FU-1002 board.



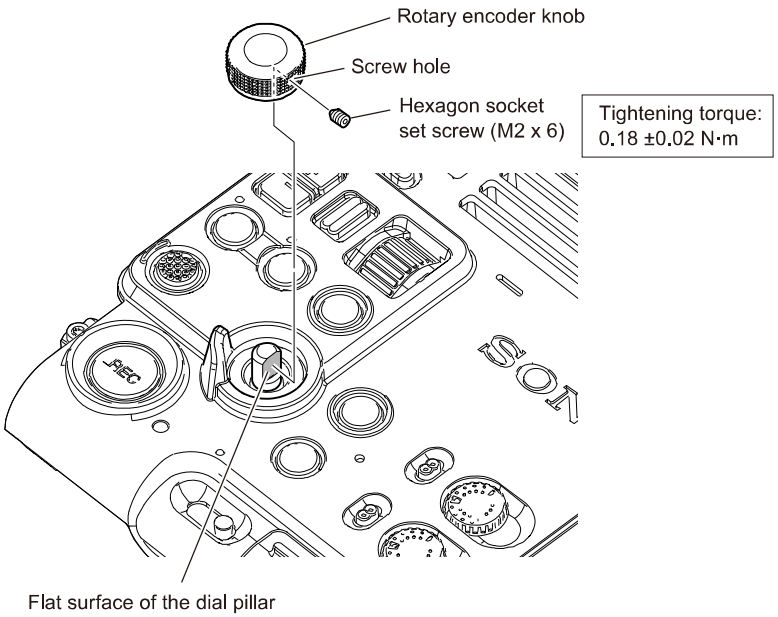
2. Align the hooks with the grooves, and then attach the light dial guide base.



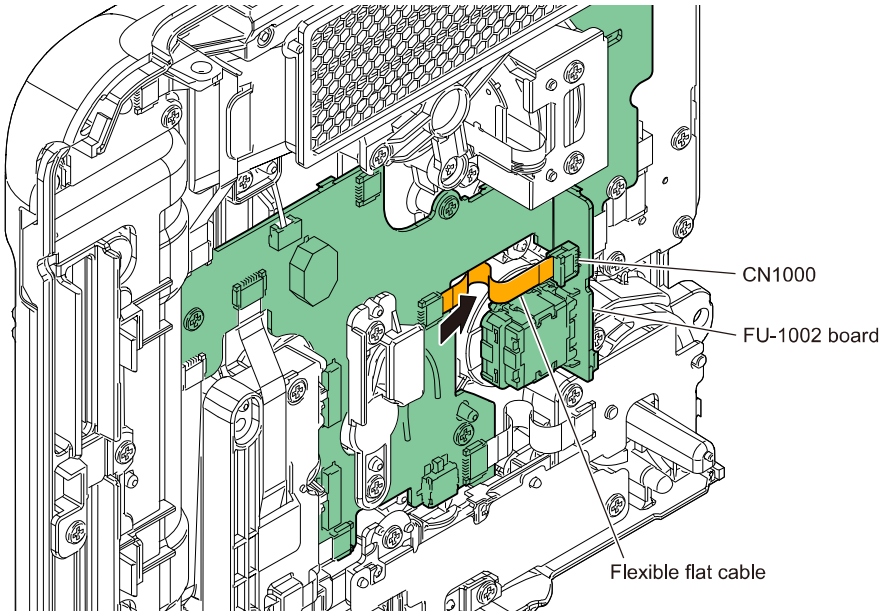
3. Attach the supplied washer, supplied nut, light dial guide packing and the light dial guide ring.



4. Align the screw hole with the flat surface of the dial pillar, and then attach the rotary encoder knob.
5. Secure the rotary encoder knob with a hexagon socket set screw.



6. Connect the flexible flat cable to the connector (CN1000) on the FU-1002 board.
7. Push the extra length of the flexible flat cable in the direction of the arrow.

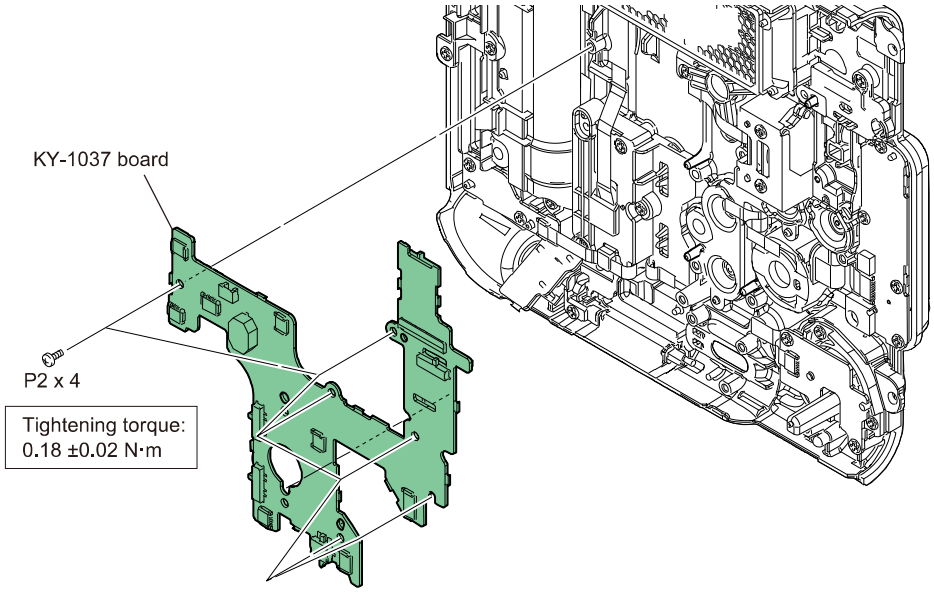


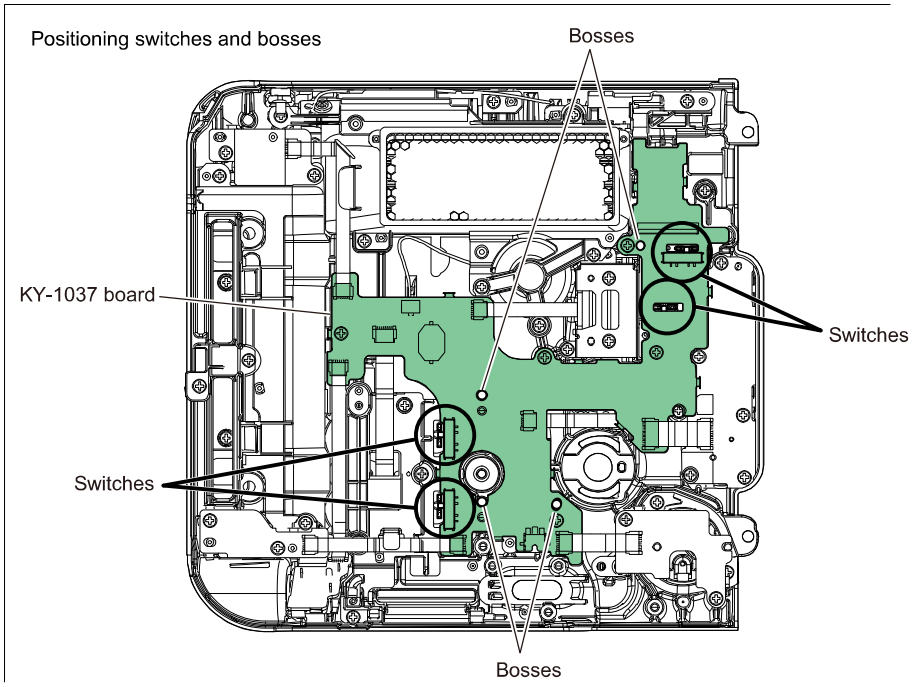
Installation

1. Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
2. Install the rear block. (Refer to “3-7. Rear Block”.)
3. Install the OHB block. (Refer to “3-6. OHB Block”.)
4. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
5. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
6. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

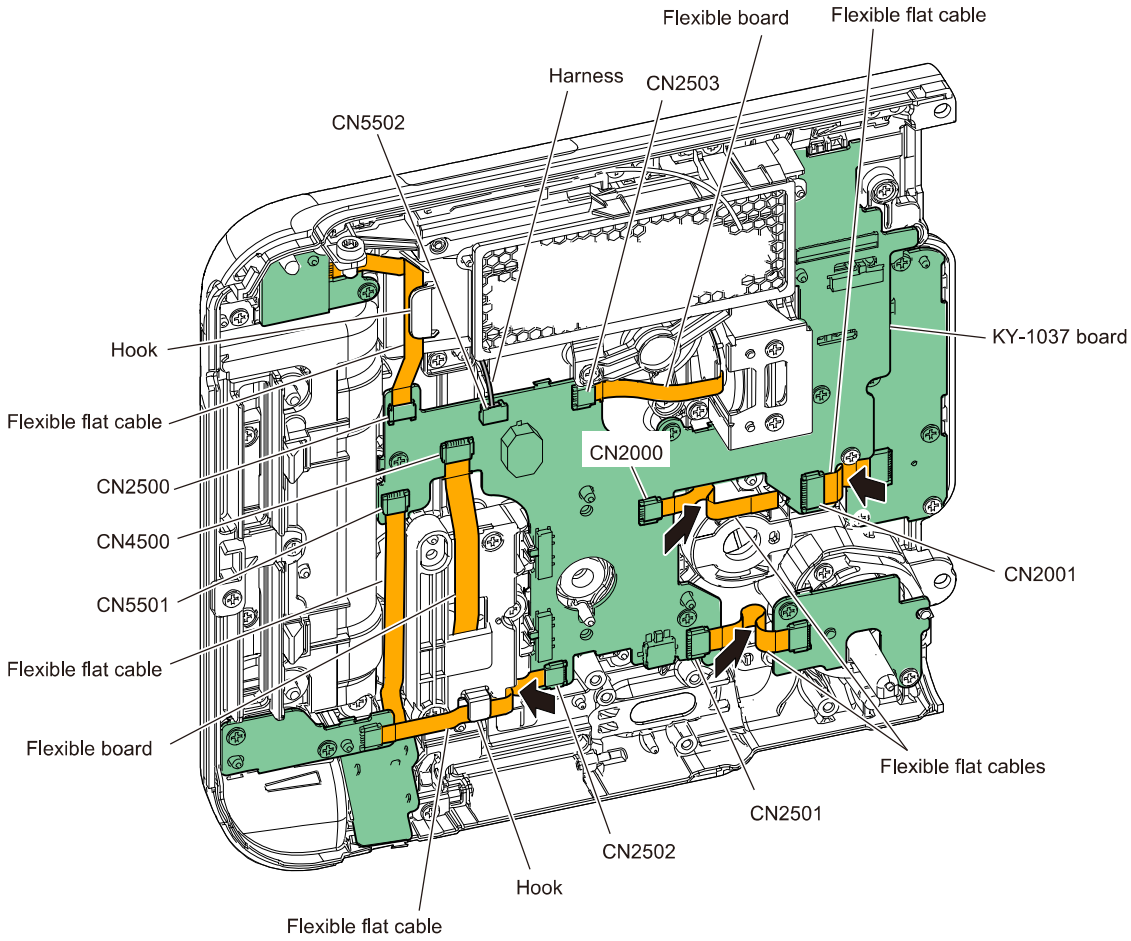
3-25. KY-1037 Board

1. Position the KY-1037 board with the bosses and the switches, and then secure the KY-1037 board with six screws.

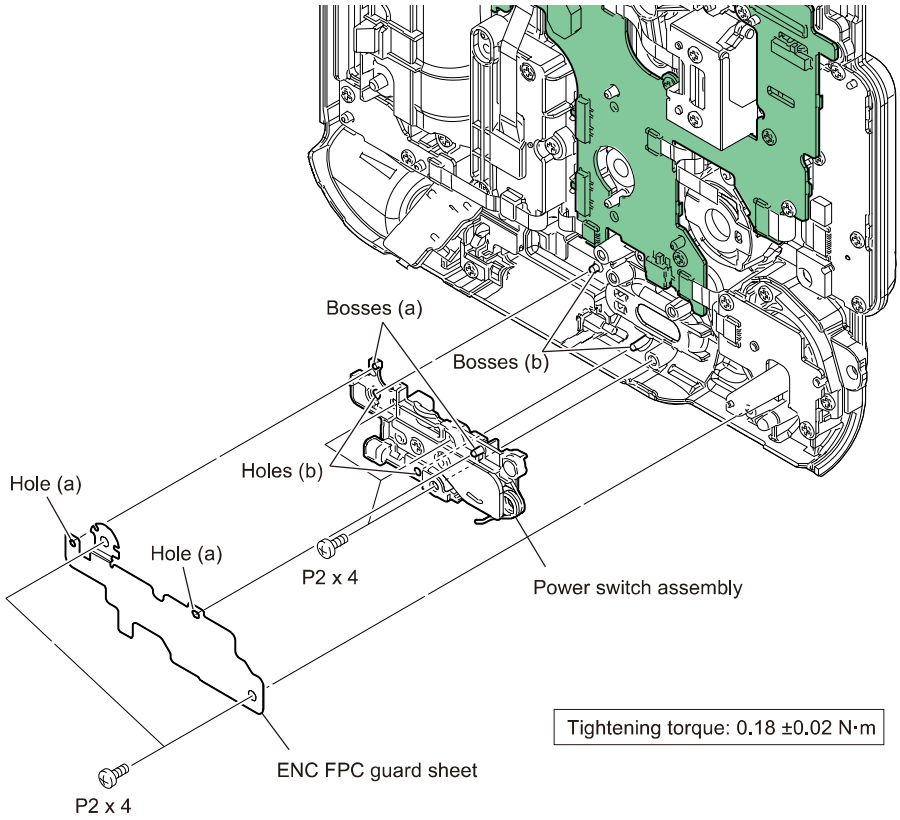




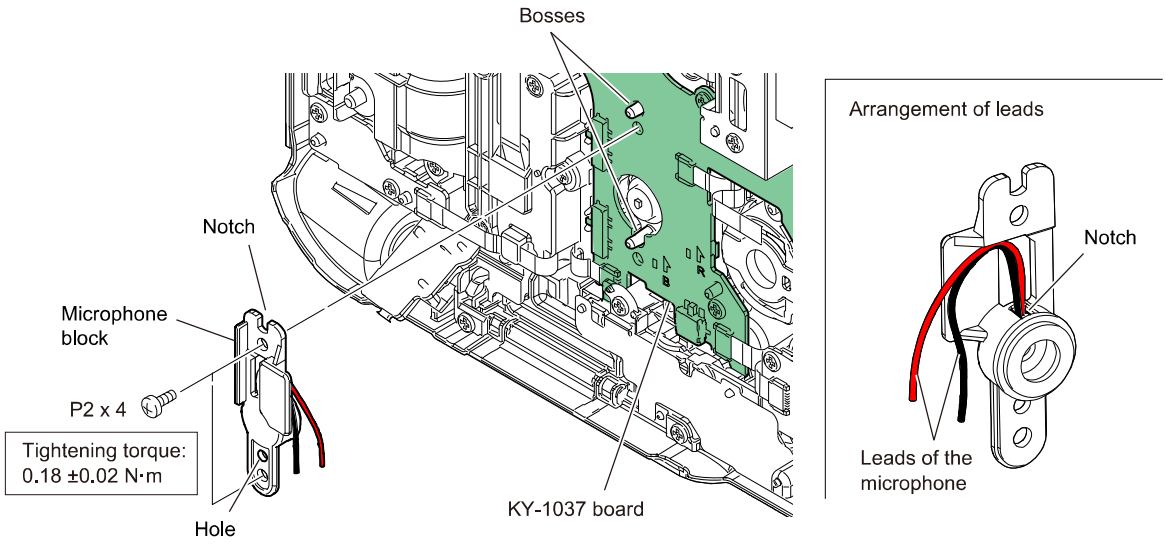
2. Connect the harness to the connector (CN5502) on the KY-1037 board.
3. Connect the two flexible boards to the connectors (CN4500, CN2503) on the KY-1037 board.
4. Hold the flexible flat cables with the two hooks.
5. Connect the six flexible flat cables to the connectors (CN2000, CN2001, CN2500, CN2501, CN2502, CN5501) on the KY-1037 board.
6. Push the extra length of the flexible flat cables as shown below in the direction of the arrows.



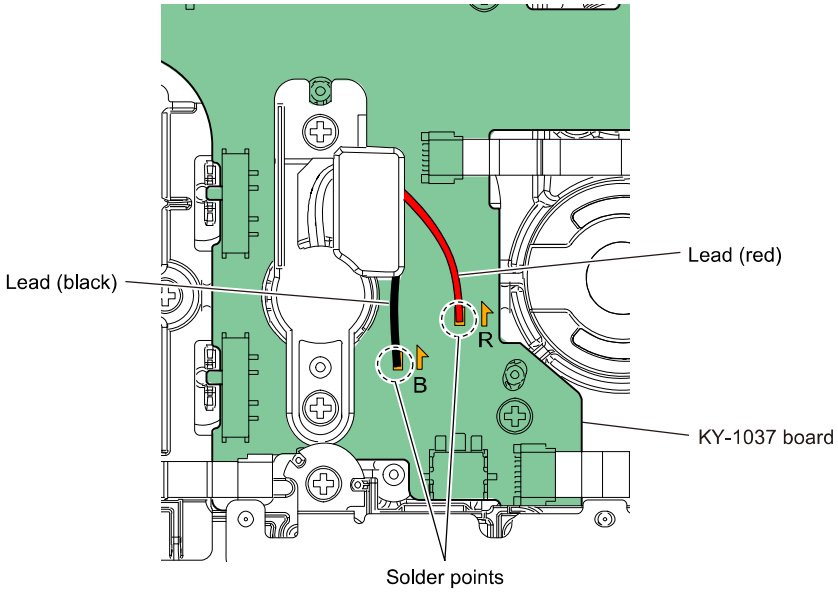
7. Align the bosses (b) with the holes (b), and then secure the power switch assembly with the three screws.
8. Align the bosses (a) with the holes (a), and then secure the ENC FPC guard sheet with the two screws.



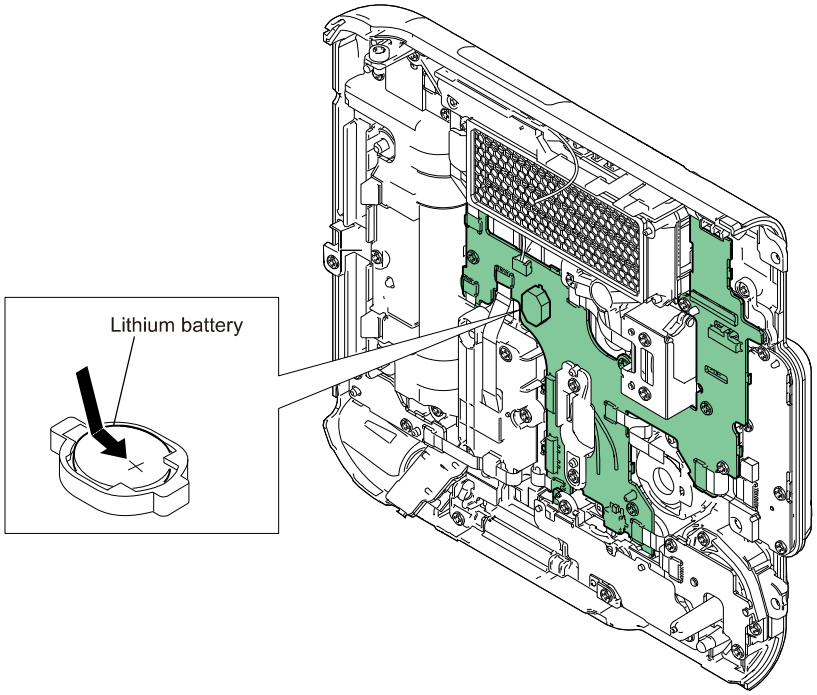
9. Pull the microphone leads out of the notch as shown below.
10. Align the two bosses with the notch and the hole as shown below, and then secure the microphone block with the two screws.



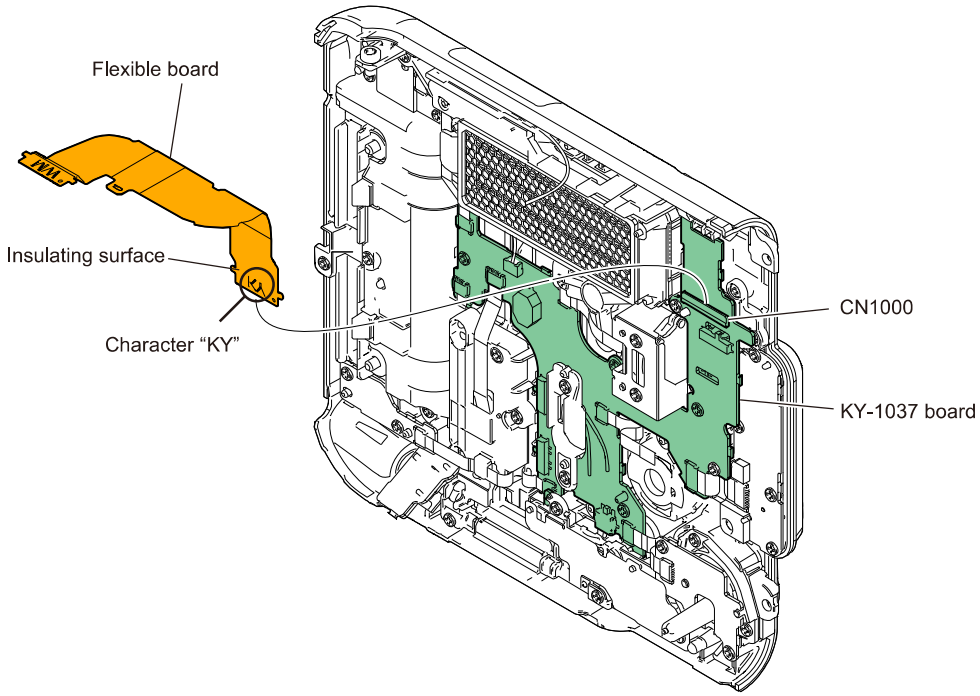
11. Solder the leads at two positions shown below.



12. Attach the lithium battery.



13. Connect the flexible board to the connector (CN1000) on the KY-1037 board.

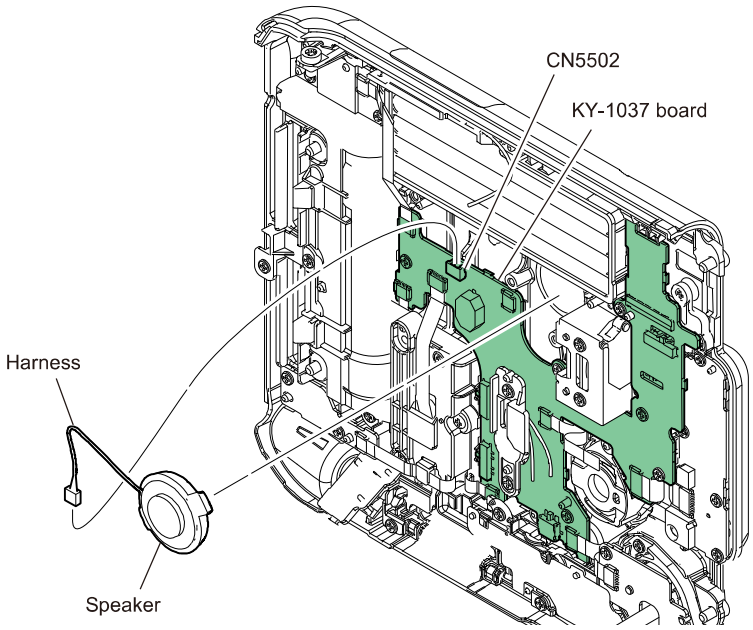


Installation

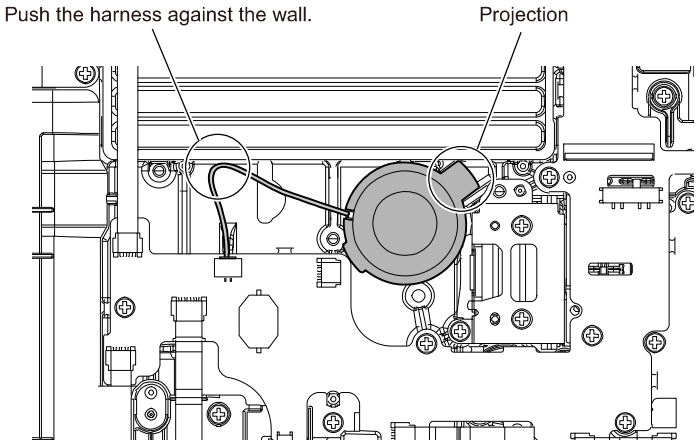
1. Install the FU-1002 board. (Refer to "3-24. FU-1002 Board".)
2. Install the inside panel block. (Refer to "3-8. Inside Panel Block".)
3. Install the rear block. (Refer to "3-7. Rear Block".)
4. Install the OHB block. (Refer to "3-6. OHB Block".)
5. Install the outside panel block. (Refer to "3-5. Outside Panel Block".)
6. Install the bottom assembly. (Refer to "3-4. Bottom Assembly".)
7. Install the top cabinet assembly. (Refer to "3-3. Top Cabinet Assembly".)

3-26. Speaker

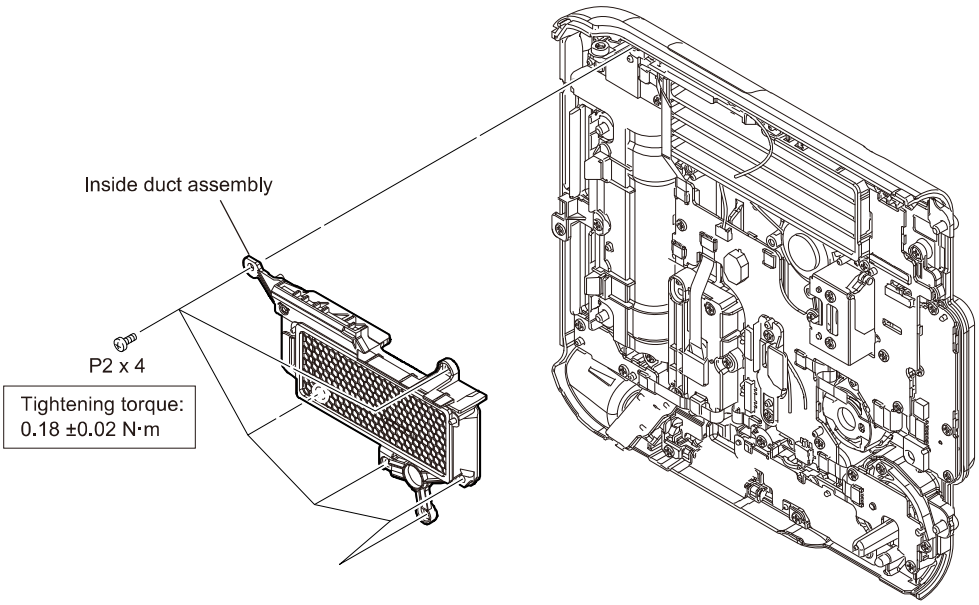
1. Attach the speaker by aligning the projection of the speaker with the position shown below.
2. Connect the harness to the connector (CN5502) on the KY-1037 board.
3. Arrange the harness as shown below.



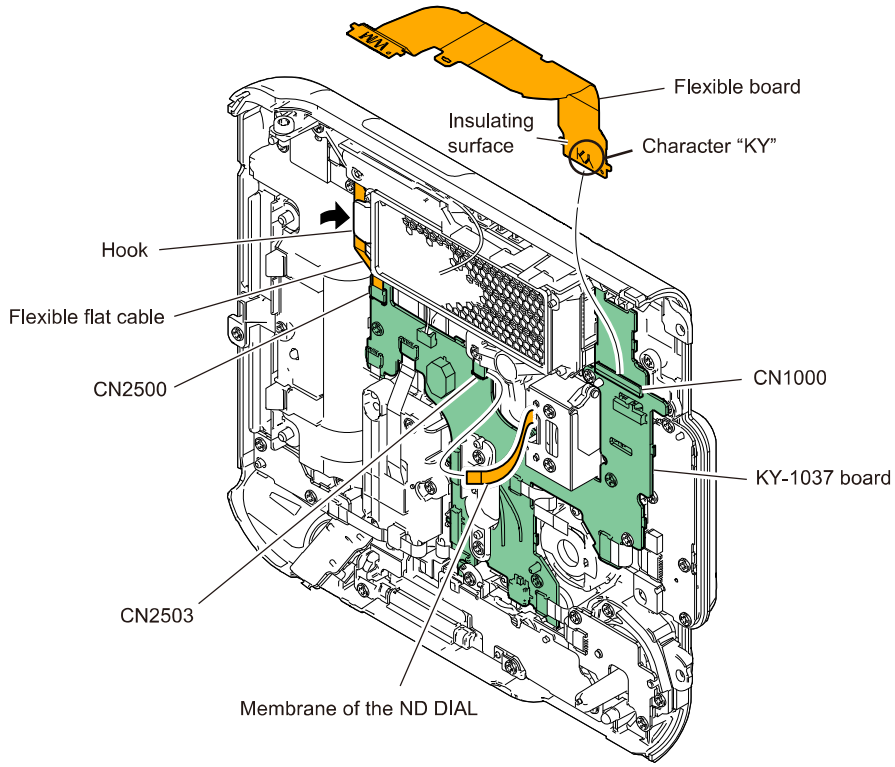
Orientation of the speaker and arrangement of the harness



4. Secure the inside duct assembly with the six screws.



5. Connect the flexible flat cable to the connector (CN2500) on the KY-1037 board, and then hold the flexible flat cable with the hook.
6. Connect the membrane of the ND DIAL to the connector (CN2503) on the KY-1037 board.
7. Connect the flexible board to the connector (CN1000) on the KY-1037 board as shown below.



Installation

1. Install the inside panel block. (Refer to “3-8. Inside Panel Block”.)
2. Install the rear block. (Refer to “3-7. Rear Block”.)
3. Install the OHB block. (Refer to “3-6. OHB Block”.)
4. Install the outside panel block. (Refer to “3-5. Outside Panel Block”.)
5. Install the bottom assembly. (Refer to “3-4. Bottom Assembly”.)
6. Install the top cabinet assembly. (Refer to “3-3. Top Cabinet Assembly”.)

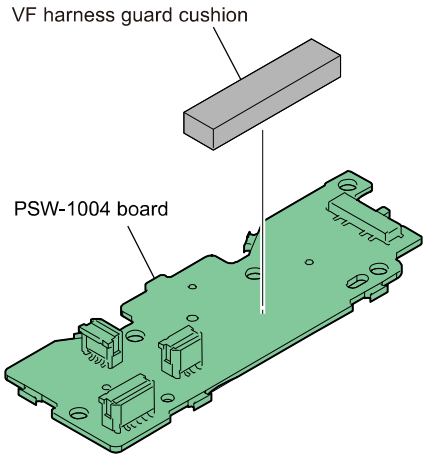
3-27. PSW-1004 Board

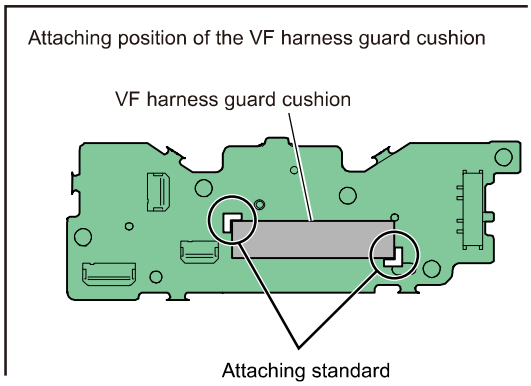
Note

The following part is not reusable. Prepare new part in advance.

- VF harness guard cushion: 1pc

1. Attach VF harness guard cushion to the specified positions on the PSW-1004 board.

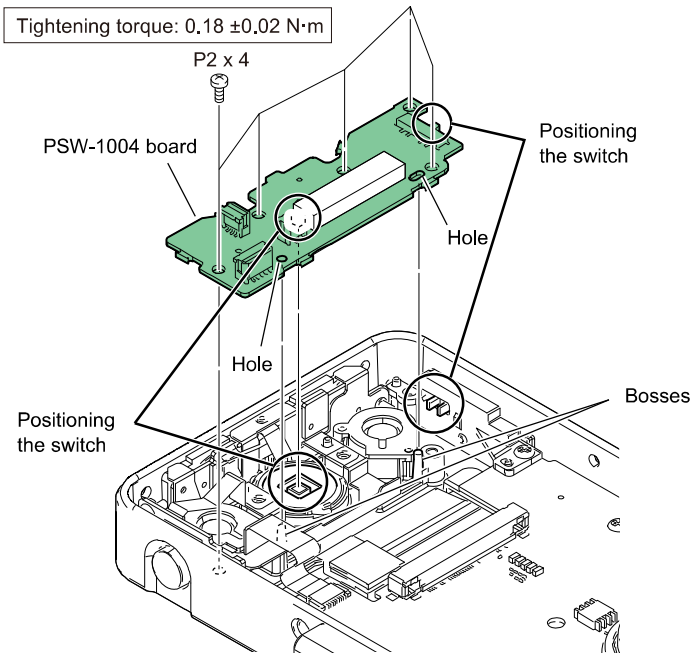


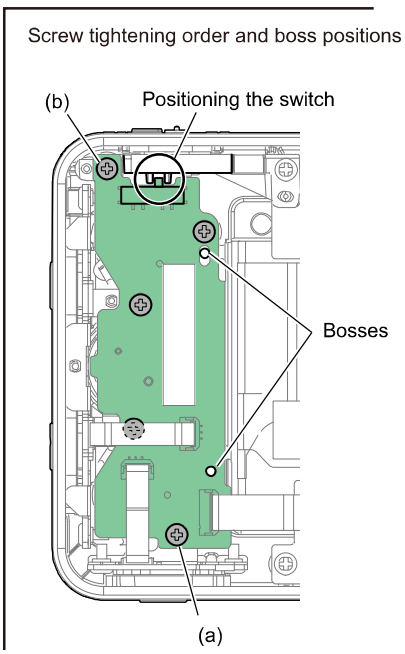


2. Align the bosses with the holes and align the switches, and then secure the PSW-1004 board with the five screws.

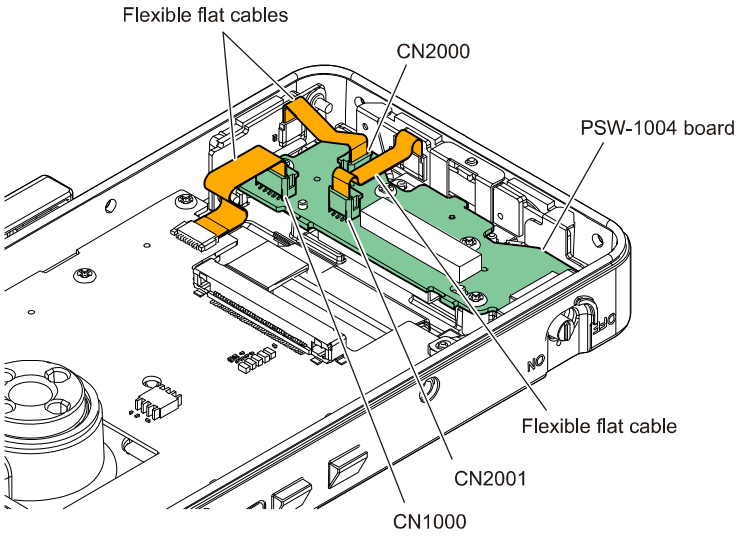
   Note

   Tighten the screws in the following sequence: (a), (b), others.

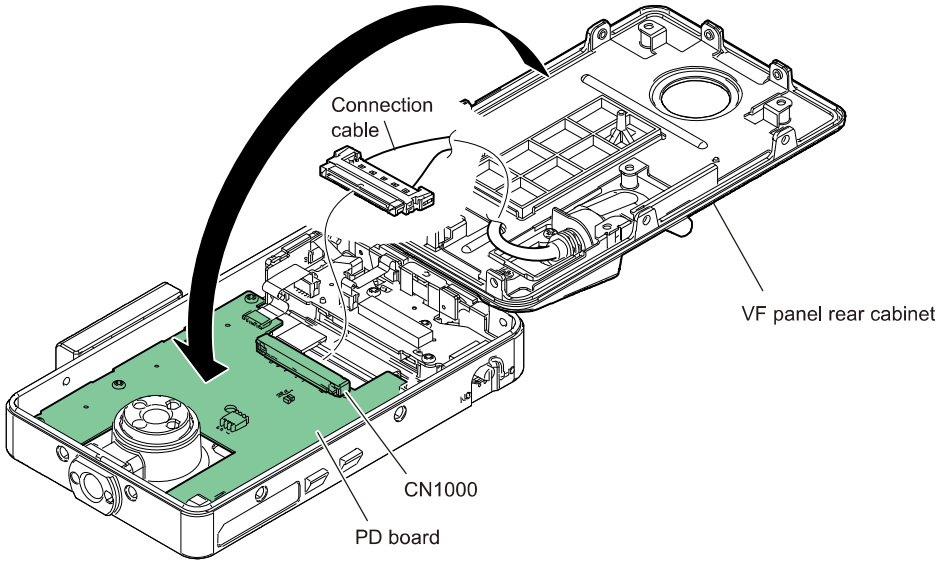




3. Connect the three flexible flat cables to the connectors (CN1000, CN2000, CN2001) on the PSW-1004 board.



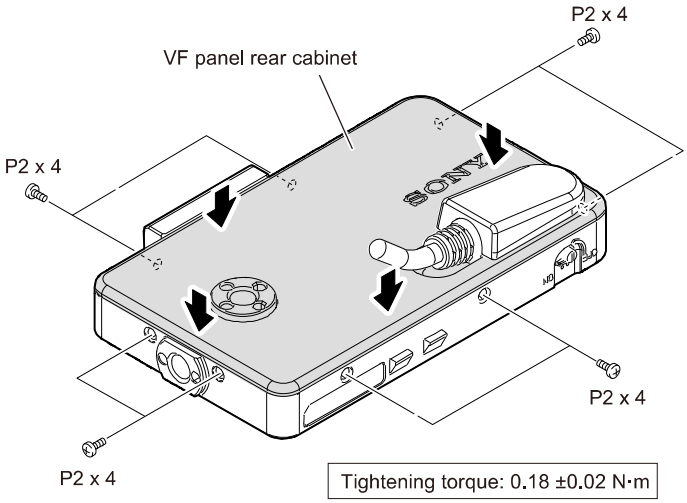
4. Connect the connection cable to the connector (CN1000) on the PD board.
5. Close the VF panel rear cabinet.



6. Tighten the eight screws.

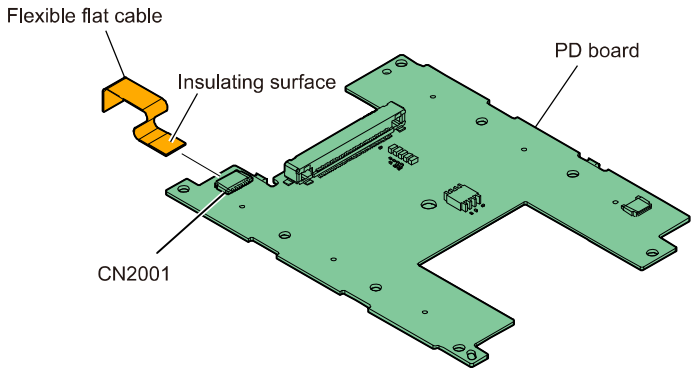
   Note

   Push and hold the VF panel rear cabinet in the direction of the arrows and tighten the screws.

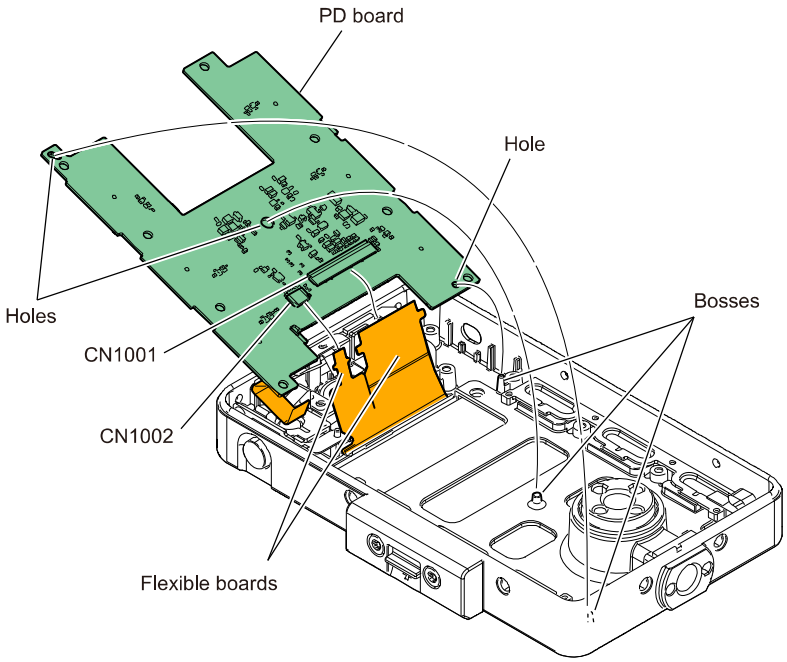


3-28. PD Board

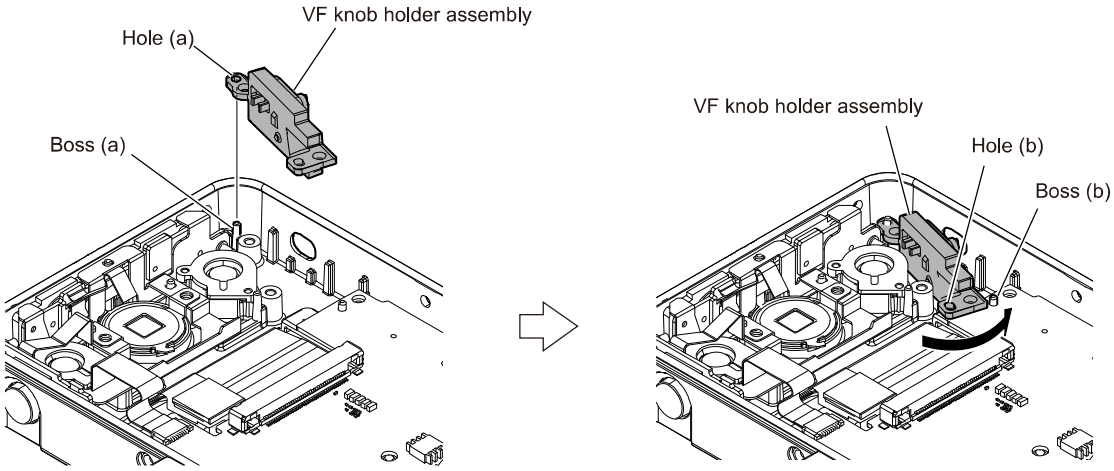
1. Connect the flexible flat cable to the connector (CN2001) on the PD board as shown below.



2. Connect the two flexible boards to the connectors (CN1001, CN1002) on the PD board.
3. Align the bosses with the holes, and then close the PD board.



4. Align the boss (a) with the hole (a), and then attach the VF knob holder assembly.
5. Turn the VF knob holder assembly in the direction of the arrow and insert the boss (b) into the hole (b).

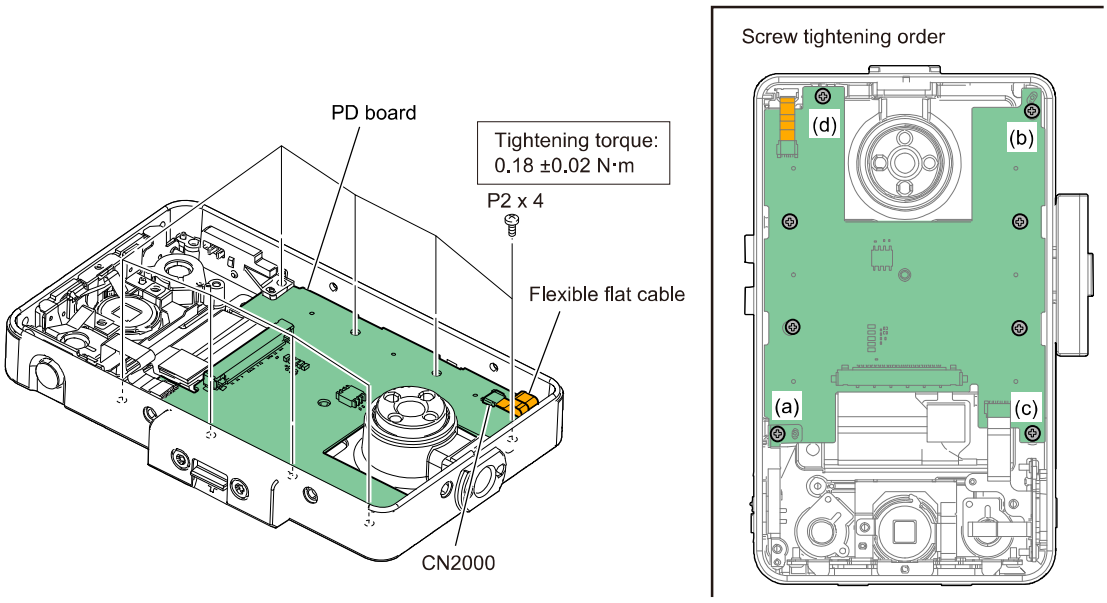


6. Tighten the eight screws.

Note

Tighten the screws in the following sequence: (a), (b), (c), (d) and others.

7. Connect the flexible flat cable to the connector (CN2000) on the PD board.

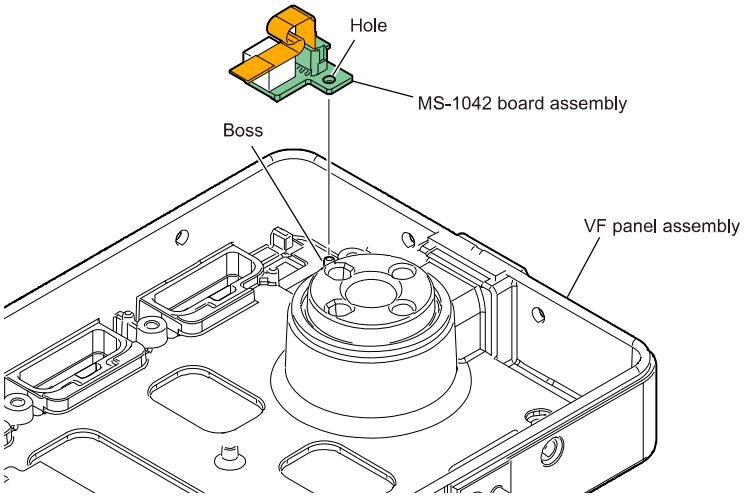


Installation

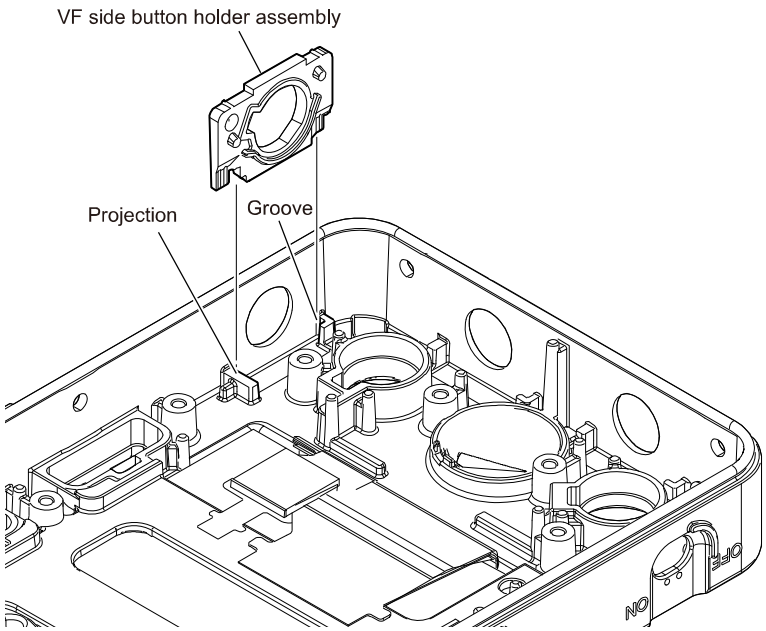
1. Install the PSW-1004 board. (Refer to “3-27. PSW-1004 Board”.)

3-29. VF Panel Assembly

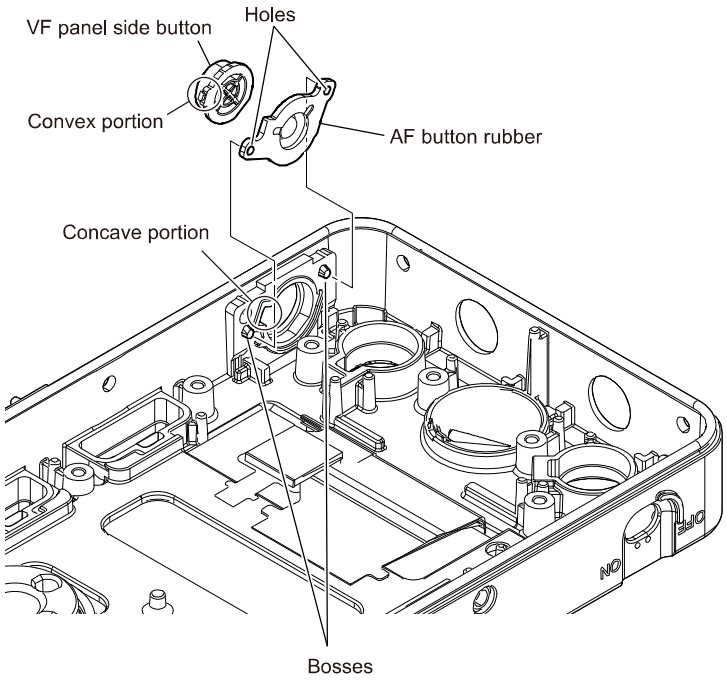
1. Align the boss with the hole, and then attach the MS-1042 board assembly.



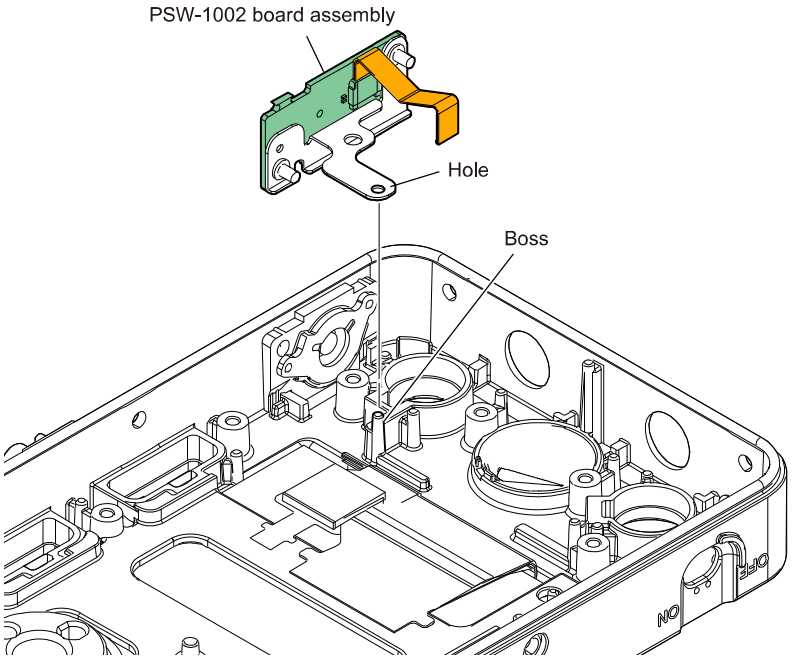
2. Attach the VF side button holder assembly to the groove and the projection.



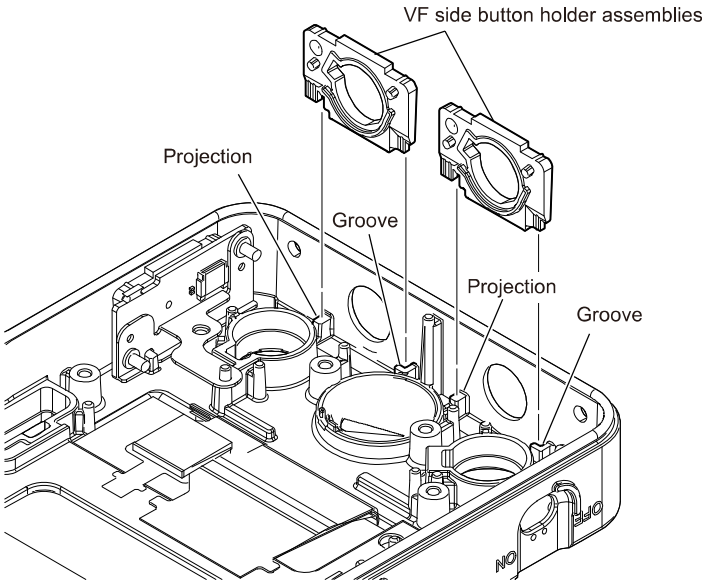
3. Align the convex portion with the concave portion, and then attach the VF panel side button.
4. Align the bosses with the holes, and then attach the AF button rubber.



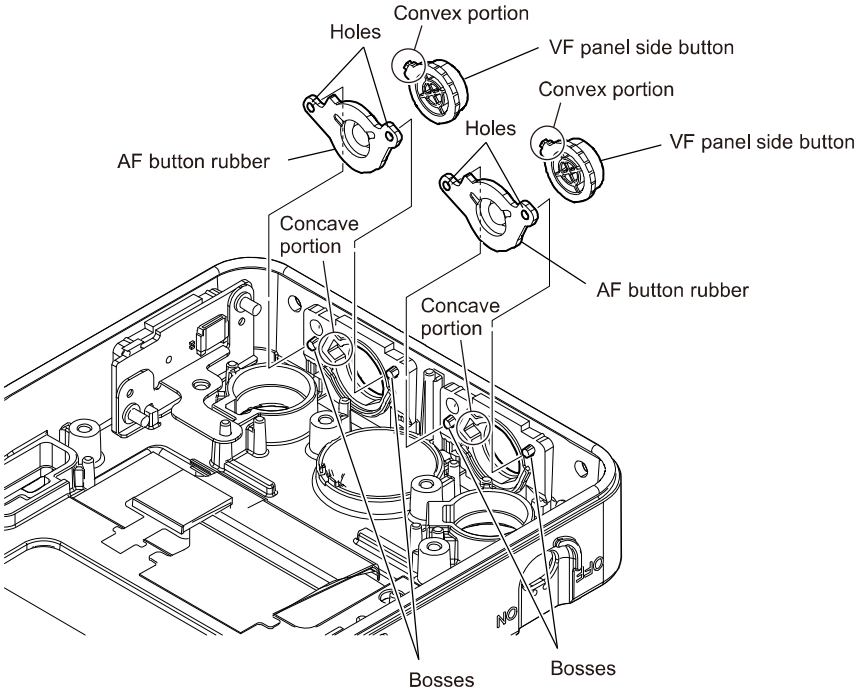
5. Align the boss with the hole, and then attach the PSW-1002 board assembly.



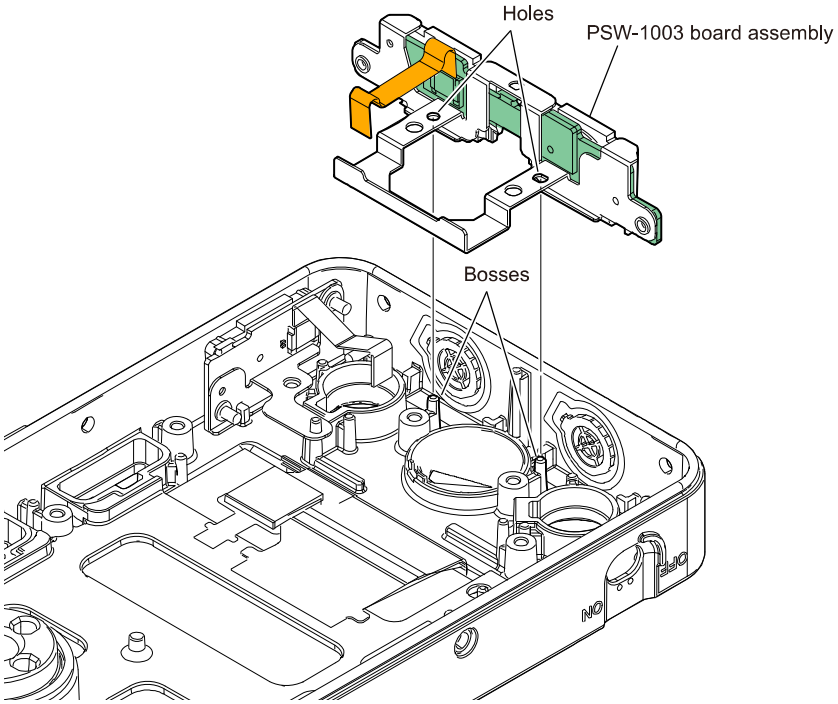
6. Attach the two VF side button holder assemblies to the grooves and the projections.



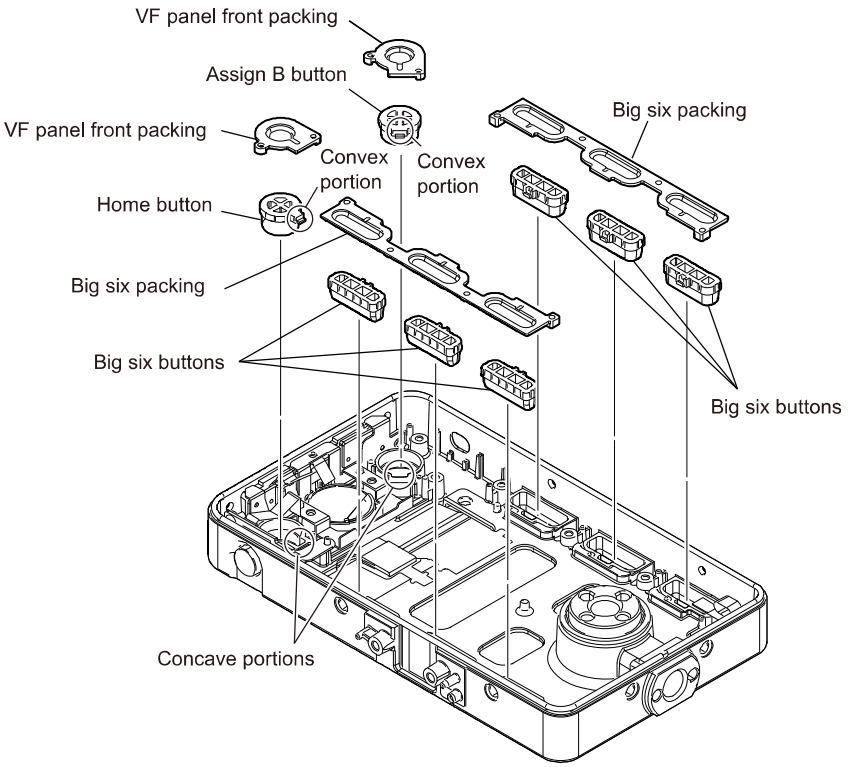
7. Align the convex portions with the concave portions, and then attach the two VF panel side buttons.
8. Align the bosses with the holes, and then attach the two AF button rubbers.

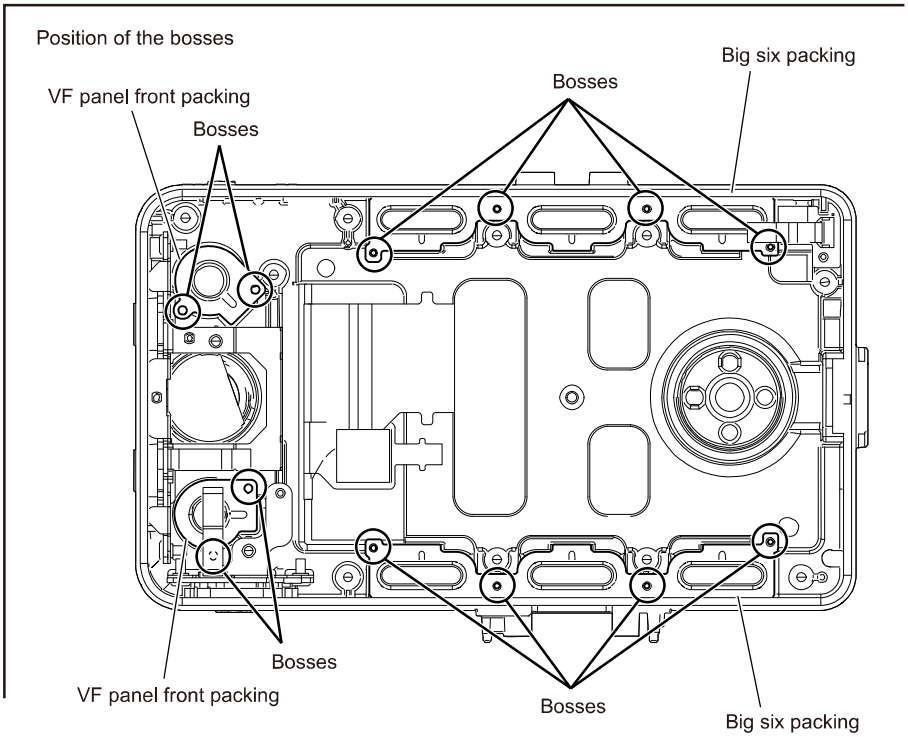


9. Align the two bosses with the two holes, and then attach the PSW-1003 board assembly.

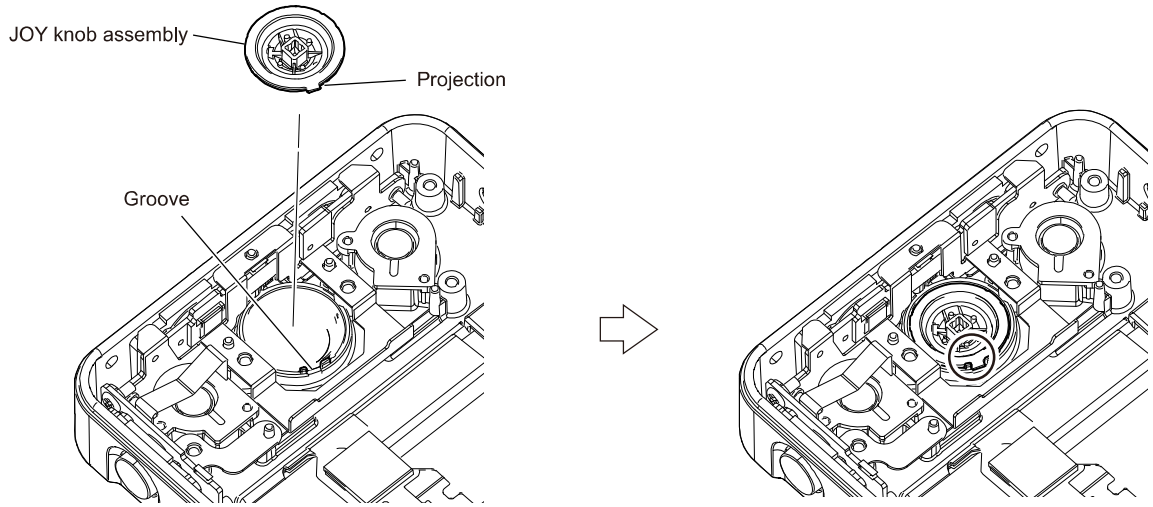


10. Align the convex portion with the concave portion, and then attach the assign B button and the home button.
11. Attach the six big six buttons.
12. Position the two big six packings and two VF panel front packings with the bosses, and then attach these packings.

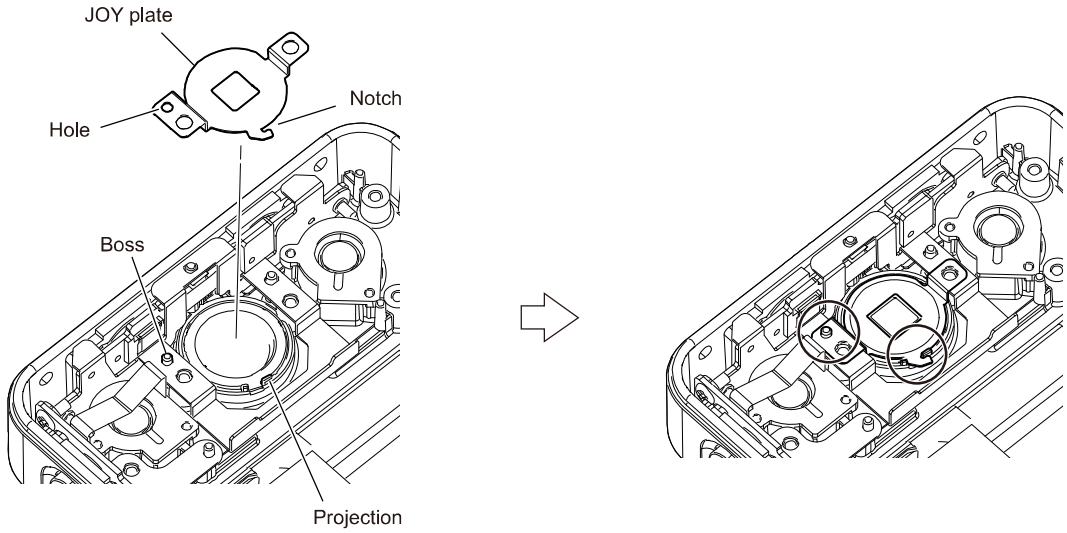




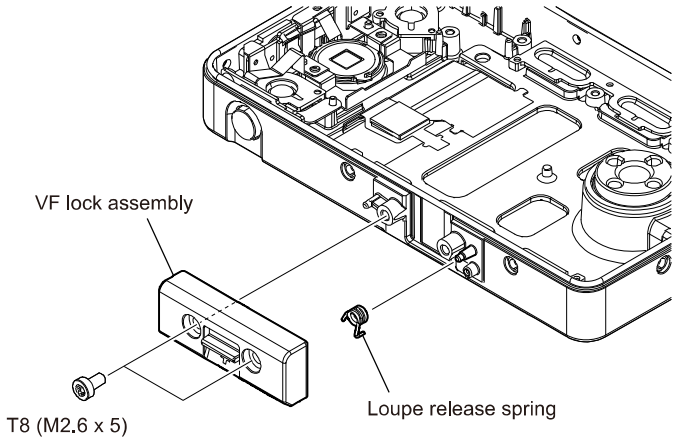
13. Align the projection with the groove, and then attach the JOY knob assembly.



14. Align the hole with the boss and the notch with the projection, and then attach the JOY plate.



15. Attach the loupe release spring.
16. Secure the VF lock assembly with the two hexalobular screws.



Tightening torque: 0.53 ±0.07 N·m

Installation

1. Install the PD board. (Refer to “3-28. PD Board”.)
2. Install the PSW-1004 board. (Refer to “3-27. PSW-1004 Board”.)

3-30. Lubrication and Adhesion

When a part has been replaced or lubricant or adhesive has been removed, apply new lubricant or adhesive.

Required part

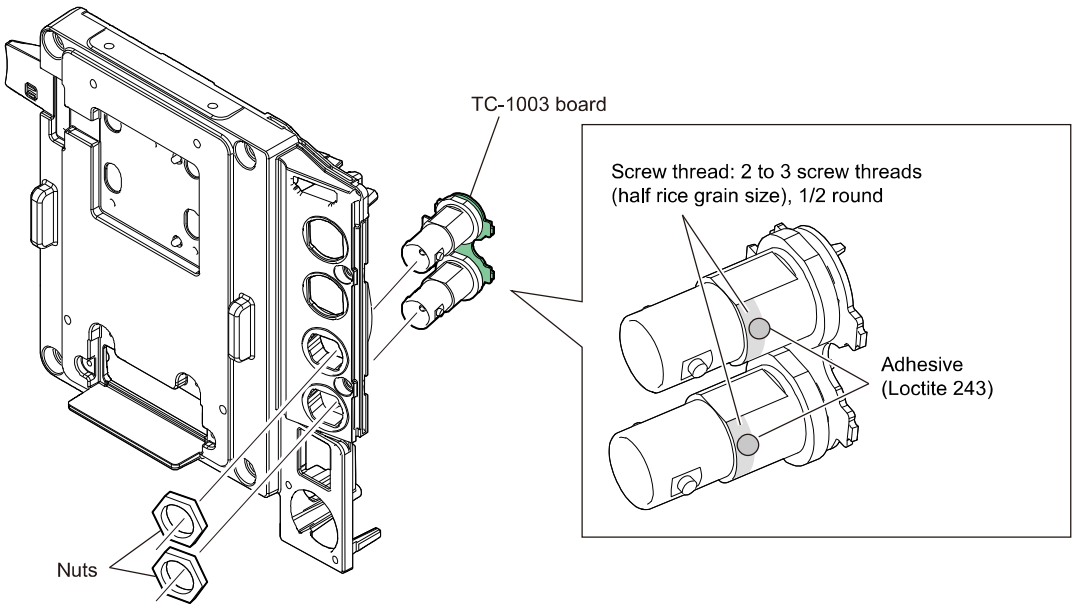
- Adhesive (Loctite 243): Part No. 760004201
- Lubricant (G85): Part No. J6082626A

Tip

The size of a grain of rice means about 20 µL.

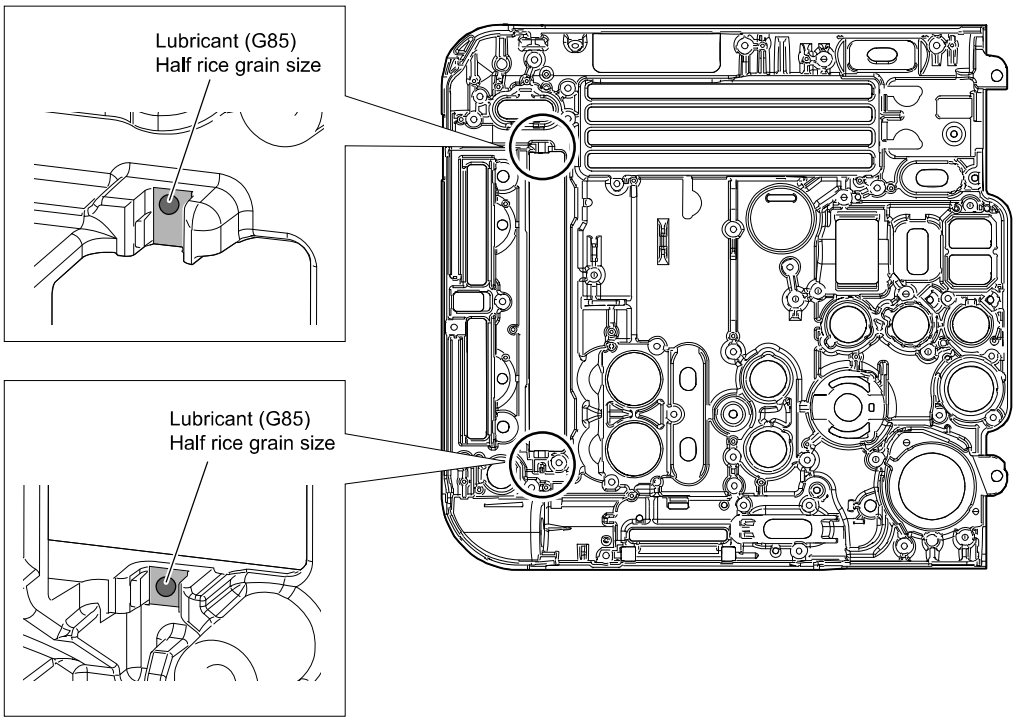
Rear block-2

For parts installation locations, refer to Exploded Views “Rear Block-2”.



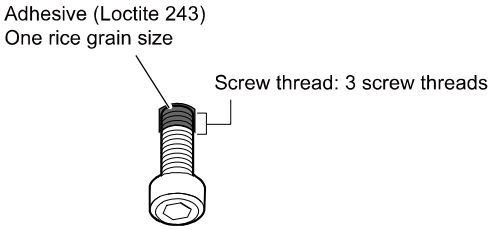
Inside block-5

For parts installation locations, refer to Exploded Views “Inside Block-5”.



Eye piece block

For parts installation locations, refer to Exploded Views “Eye Piece Block”.



VC board

Refer to “3-12. VC Board Assembly”.

SDI-1020 board, SDI-1025 board

Refer to “3-23. SDI-1020 Board, SDI-1025 Board”.

Section 4
Spare Parts

4-1. Note on Repair Parts

1. **Safety Related Components Warning**

   WARNING

   Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. **Standardization of Parts**

   Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.

3. **Stock of Parts**

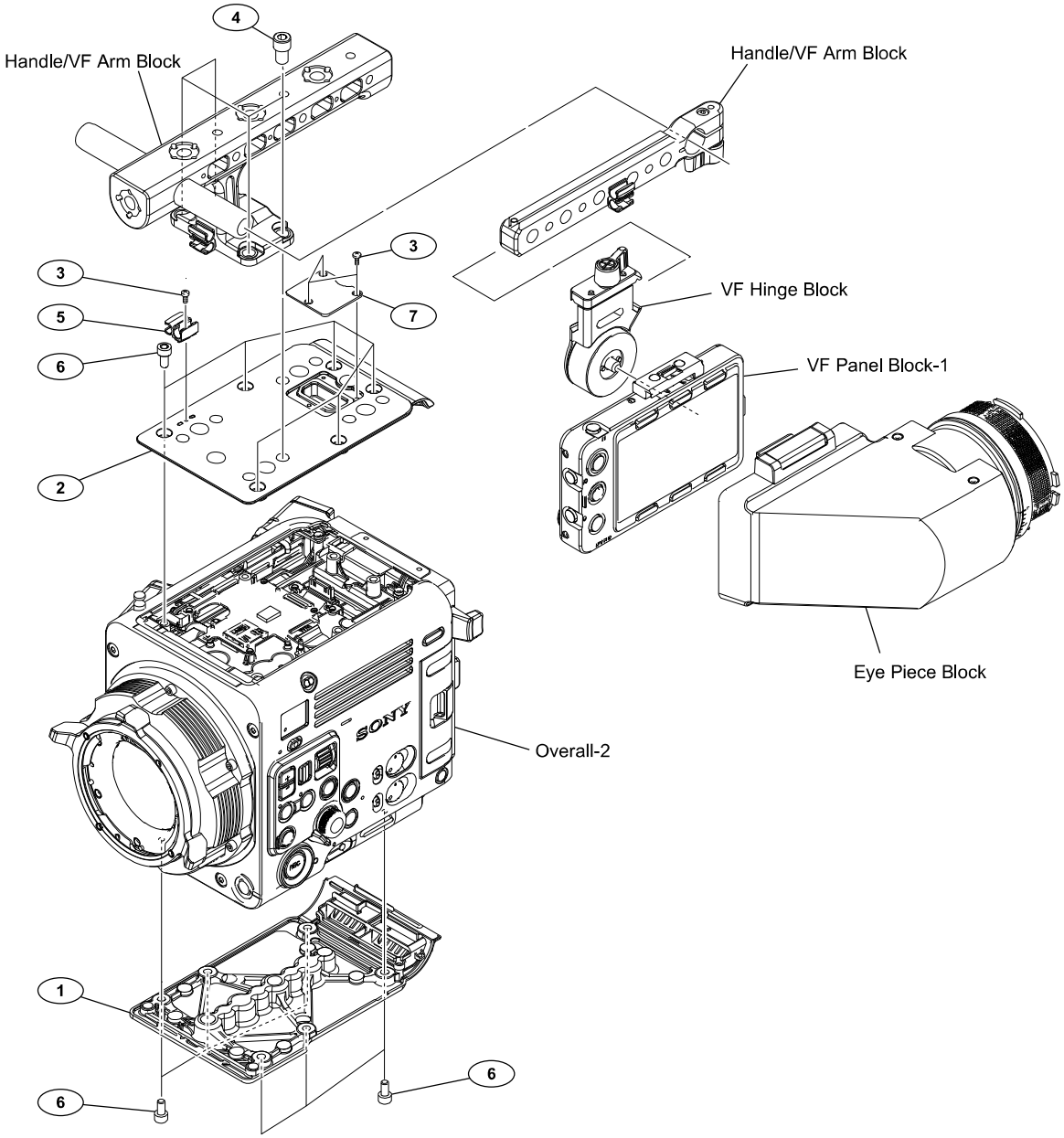
   Parts marked with “o” at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

4. **Harness**

   Harnesses with no part number are not registered as spare parts.

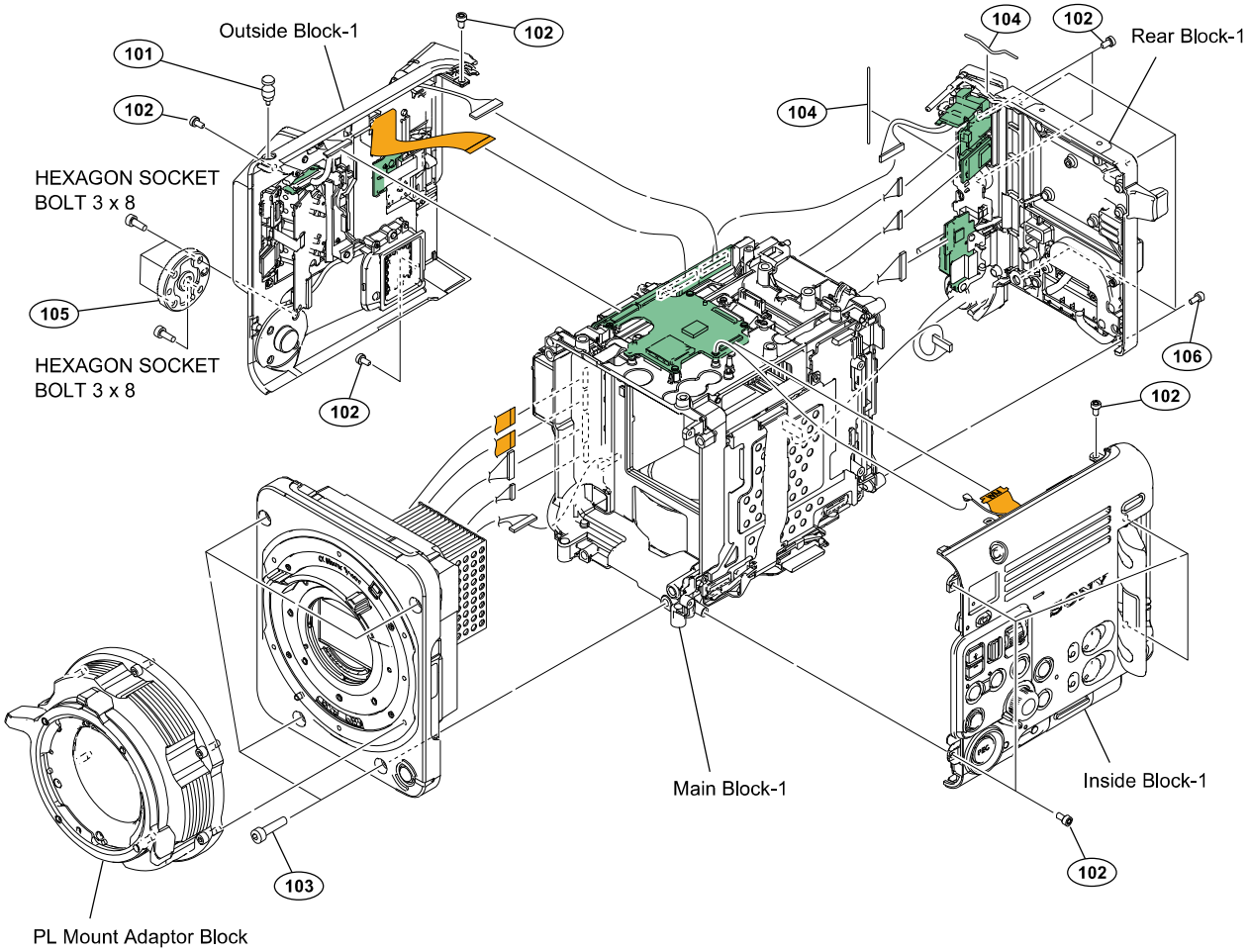
4-2. Exploded Views

Overall-1



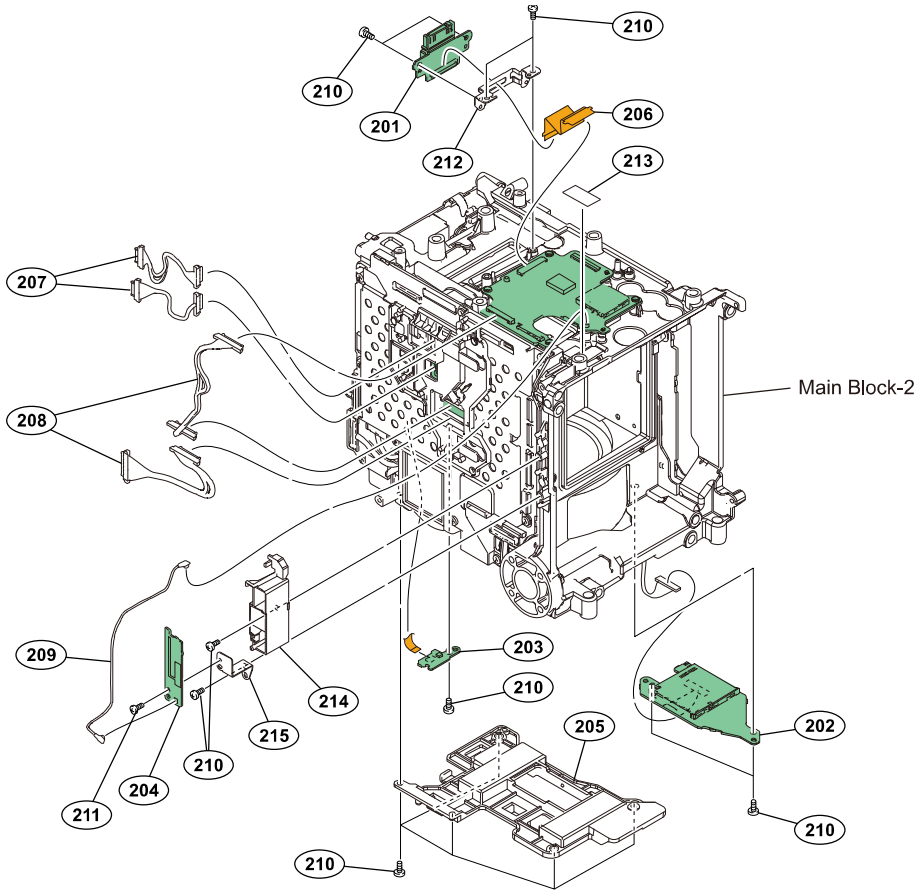
No.	Part No.	SP	Description
1	A5057961A	s	BOTTOM ASSY
2	A5067307A	s	S-ASSY, CABINET TOP (968)
3	263000531	s	SCREW(M2),NEW TRUSTER,P2
4	456260412	s	BOLT(1/4-20 UNC),HOLE HEXAGON
5	457974501	s	CLAMP (964), CABLE
6	472779301	s	T15 TORX M4
7	505067501	s	COVER, TOP CONNECTOR

Overall-2



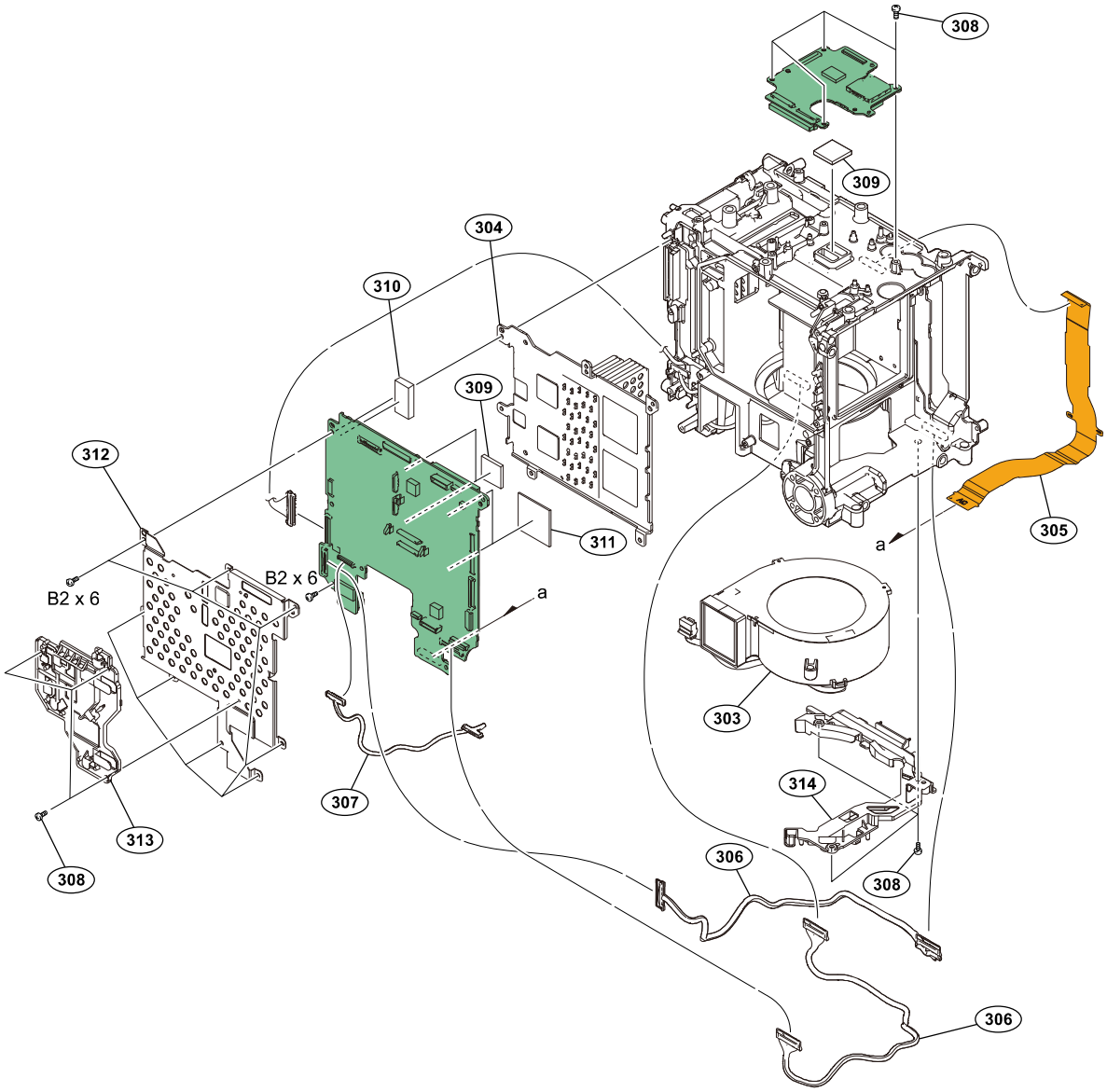
No.	Part No.	SP	Description
101	426904001	s	HOOK, MEGEYAR
102	472774001	s	T8 TORX M2.6
103	472779311	s	T15 TORX M4
104	473744901	s	TUBE, SILICON (1.3)
105	505051101	s	RING, ROSETTE(968)
106	472779301	s	T15 TORX M4
	768340404	s	BOLT,HEXAGON SOCKET 3X8

Main Block-1



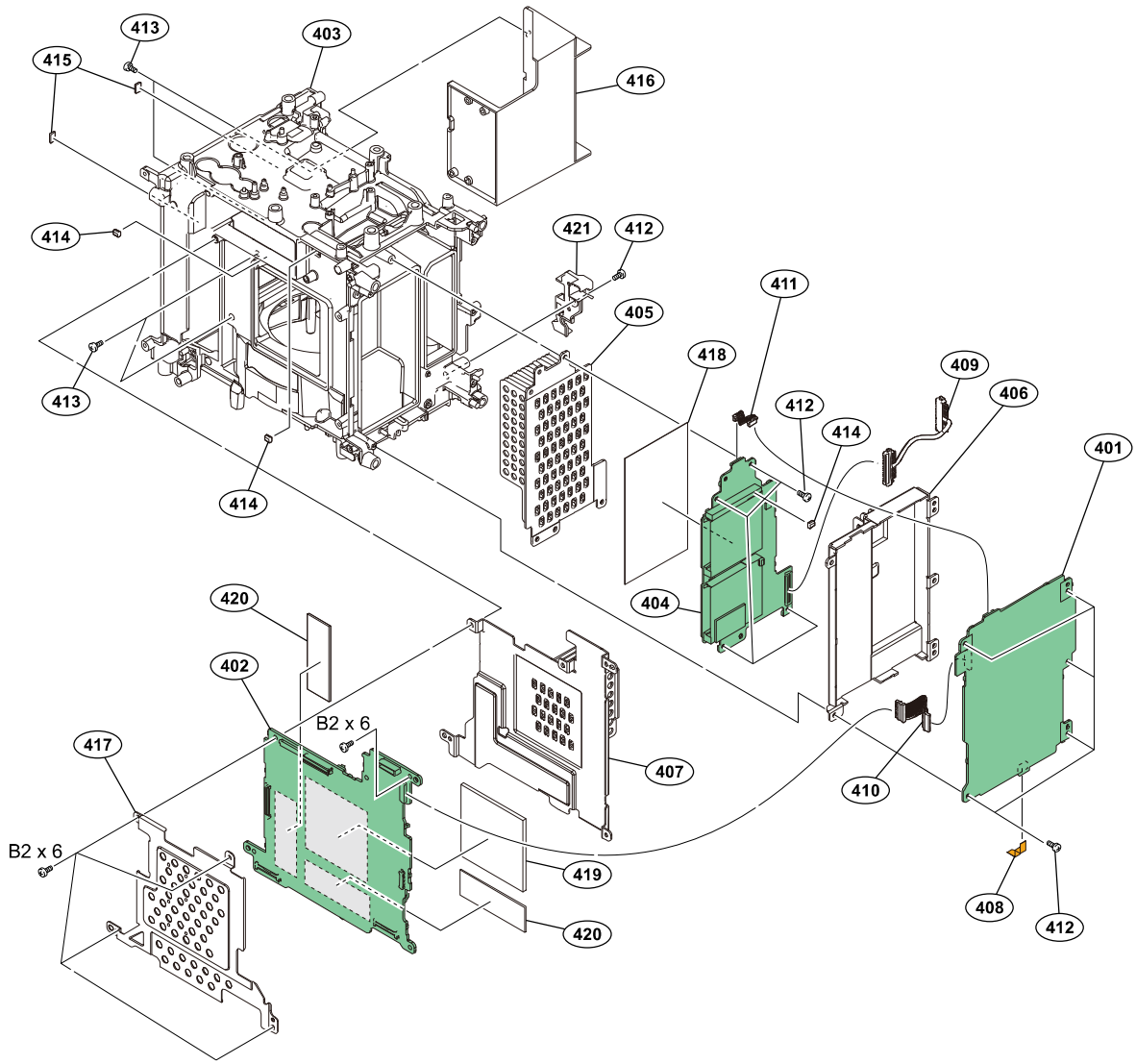
No.	Part No.	SP	Description
201	A5048375A	s	IFH-1001 MOUNT
202	A5048393A	s	SD-1015 MOUNT
203	A5051505A	s	RT-1006 MOUNT
204	A5057990A	s	WF-1008 MOUNT_CX96800
205	A5067305A	s	ASSY, FAN HOLDER
206	100240811	s	PWB, FP-317 FLEXIBLE
207	100376911	s	M-COAXIAL CABLE (CA-HIF 10P)
208	101526111	s	COAXIAL CABLE (LN-VC)
209	184647431	s	CABLE, COAXIAL (110MM)
210	263000531	s	SCREW(M2),NEW TRUSTER,P2
211	263556221	s	SCREW(M1.7)
212	500850801	s	PLATE, CONNECTOR(TOP)
213	505054101	s	SHEET, WIFI HARNESS
214	505054701	s	HOLDER, OUTSIDE WIFI
215	505054801	s	PLATE, WIFI

Main Block-2



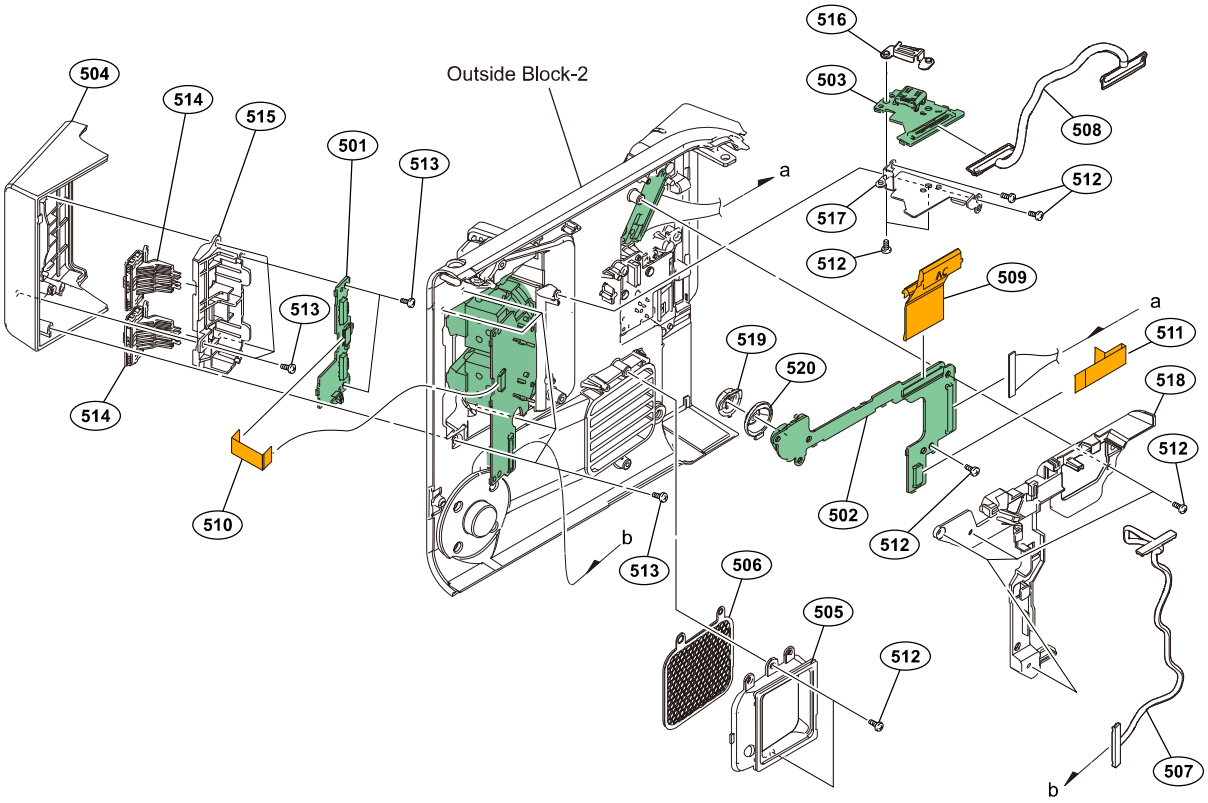
No.		Part No.	SP	Description
303	⚠	A5067308A	s	S-ASSY, FAN(968)
304		X50036951	s	ASSY, VC HEATSINK
305		101524411	s	FP-2481 FLEXIBLE PWB
306		101525411	s	COAXIAL CABLE (VC-ENC1)
307		191239311	s	CONNECTION CABLE WITH COAXIAL
308		263000531	s	SCREW(M2),NEW TRUSTER,P2
309		502101401	s	RADIATION SHEET, 14X14
310		502101601	s	RADIATION SHEET, VC(A)
311		505051301	s	RADIATION SHEET, 23X23
312		505054201	s	SHIELD PLATE, VC
313		505054301	s	HARNESS GUIDE, VC
314		505054401	s	HARNESS GUIDE, BOTTOM
		762177230	s	SCREW +B 2X6

Main Block-3



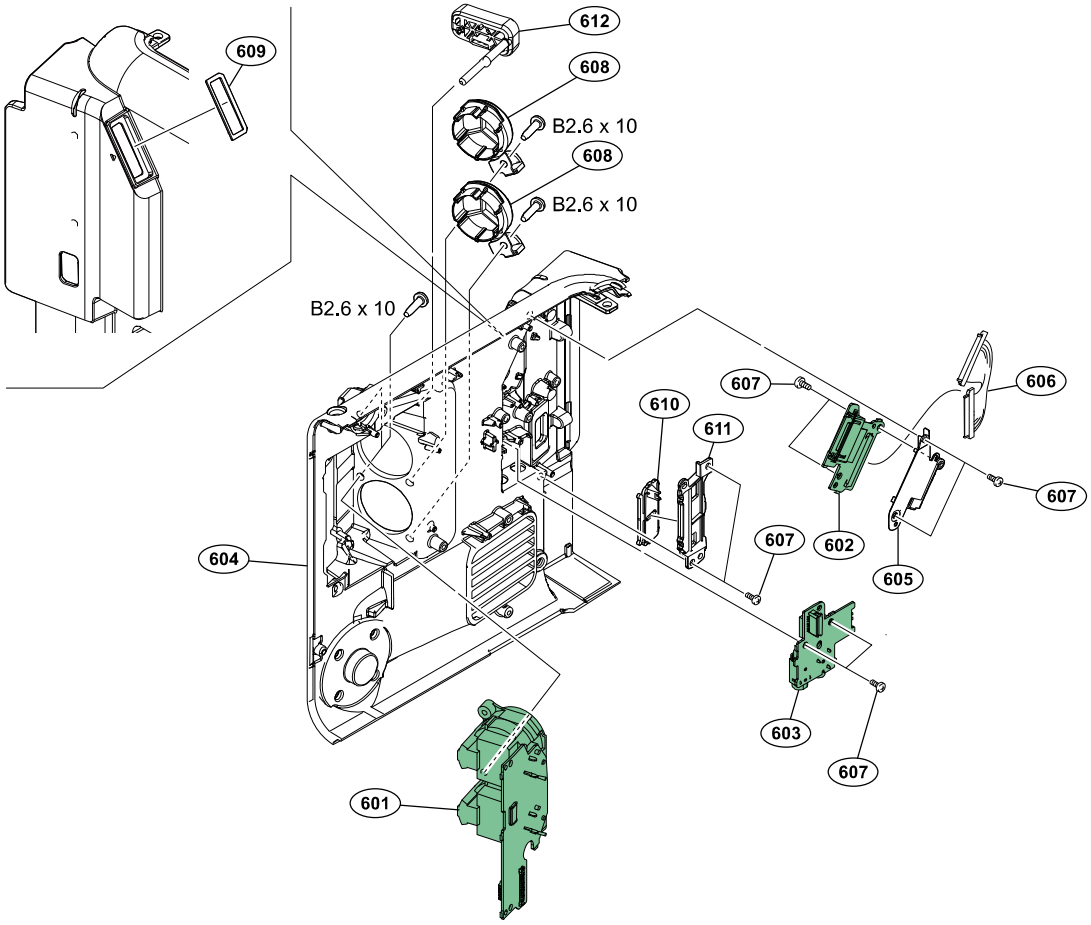
No.	Part No.	SP	Description
401	A5048388A	s	DD-1023 MOUNT
402	A5066077A	s	ENC-1001 COMPL
403	A5067296A	s	ASSY, MAIN FRAME
404	A5067311A	s	S-ASSY, CFE-1004 MOUNT (968)
405	X50036921	s	ASSY, MEDIA HEATSINK
406	X50036931	s	ASSY, DD HEATSINK
407	X50036941	s	ASSY, ENC HEATSINK
408	100236511	s	CABLE, FLEXIBLE FLAT (6 CORE)
409	101526211	s	COAXIAL CABLE (CFE-VC)
410	101526311	s	HARNESS (DD-ENC)
411	101526411	s	HARNESS (DD-CFE)
412	263000531	s	SCREW(M2),NEW TRUSTER,P2
413	308020621	s	SCREW, TAPPING, P2
414	427235701	s	GASKET (P(389))
415	453570601	s	ESD GASKET
416	505052301	s	SEPARATOR, CENTER DUCT
417	505053201	s	SHIELD PLATE, ENC
418	505053701	s	RADIATION SHEET, MEDIA
419	505053801	s	RADIATION SHEET, 43X43
420	505053901	s	RADIATION SHEET, 45X15
421	505054501	s	HARNESS GUIDE, CFE
	762177230	s	SCREW +B 2X6

Outside Block-1



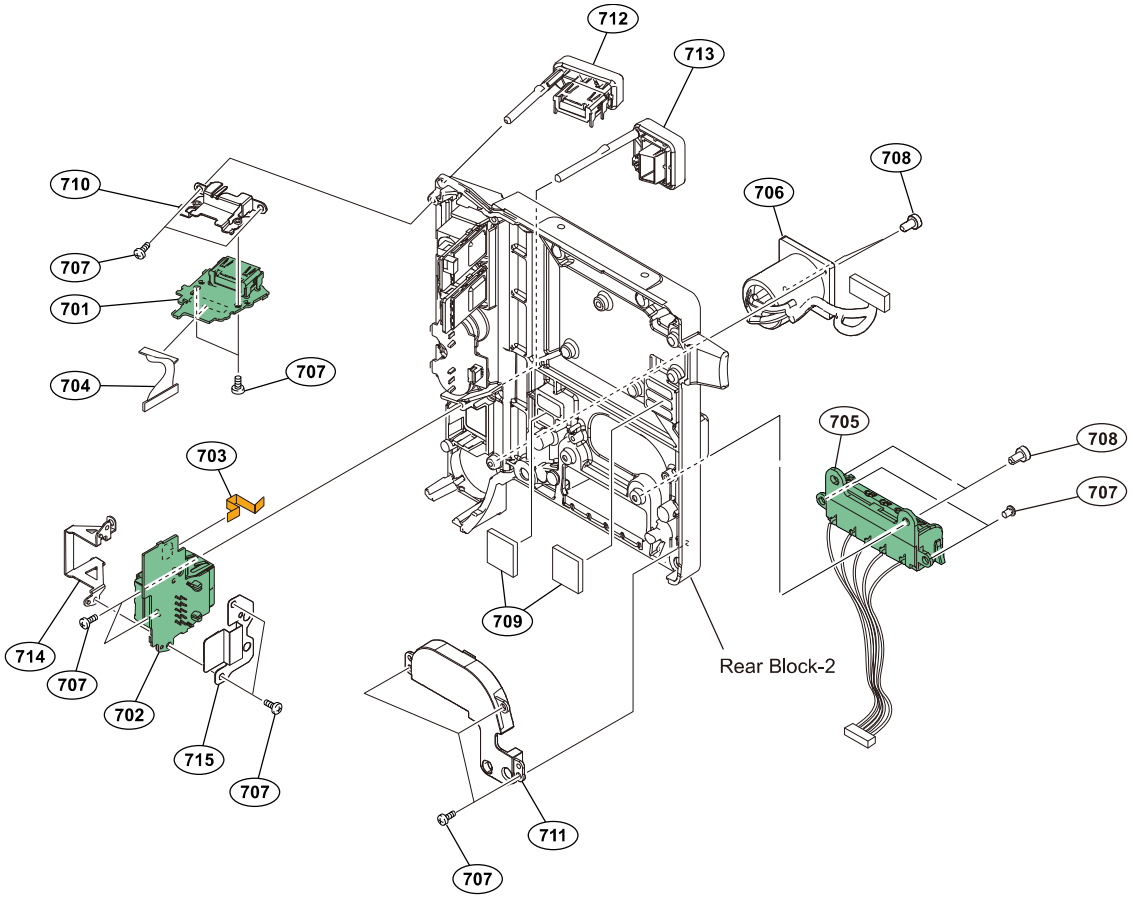
No.	Part No.	SP	Description
501	A5048377A	s	ASW-1002 MOUNT
502	A5048380A	s	CHK-1001 MOUNT
503	A5048387A	s	US-1008 MOUNT
504	A5067298A	s	ASSY, XLR CABINET
505	A5067299A	s	ASSY, OUTSIDE DUCT
506	A5067300A	s	ASSY, EXHAUST MESH
507	100230311	s	HARNESS(AXM-DIF-30P)
508	100473412	s	MICRO COAXIAL CABLE (IF2HPR)
509	101524711	s	FP-2484 FLEXIBLE PWB
510	101526511	s	FFC (AXM-ASW)
511	184998911	s	CABLE, FLEXIBLE FLAT (14 CORE)
512	263000531	s	SCREW(M2),NEW TRUSTER,P2
513	308020621	s	SCREW, TAPPING, P2
514	505064401	s	KNOB, XLR
515	505064701	s	BASE, XLR KNOB
516	505064901	s	PLATE, USB
517	505065001	s	RETAINER, USB
518	505065201	s	HARNESS GUIDE, CHK
519	505065301	s	BUTTON, ASSIGN 7
520	505065401	s	PACKING, ASSIGN 7

Outside Block-2



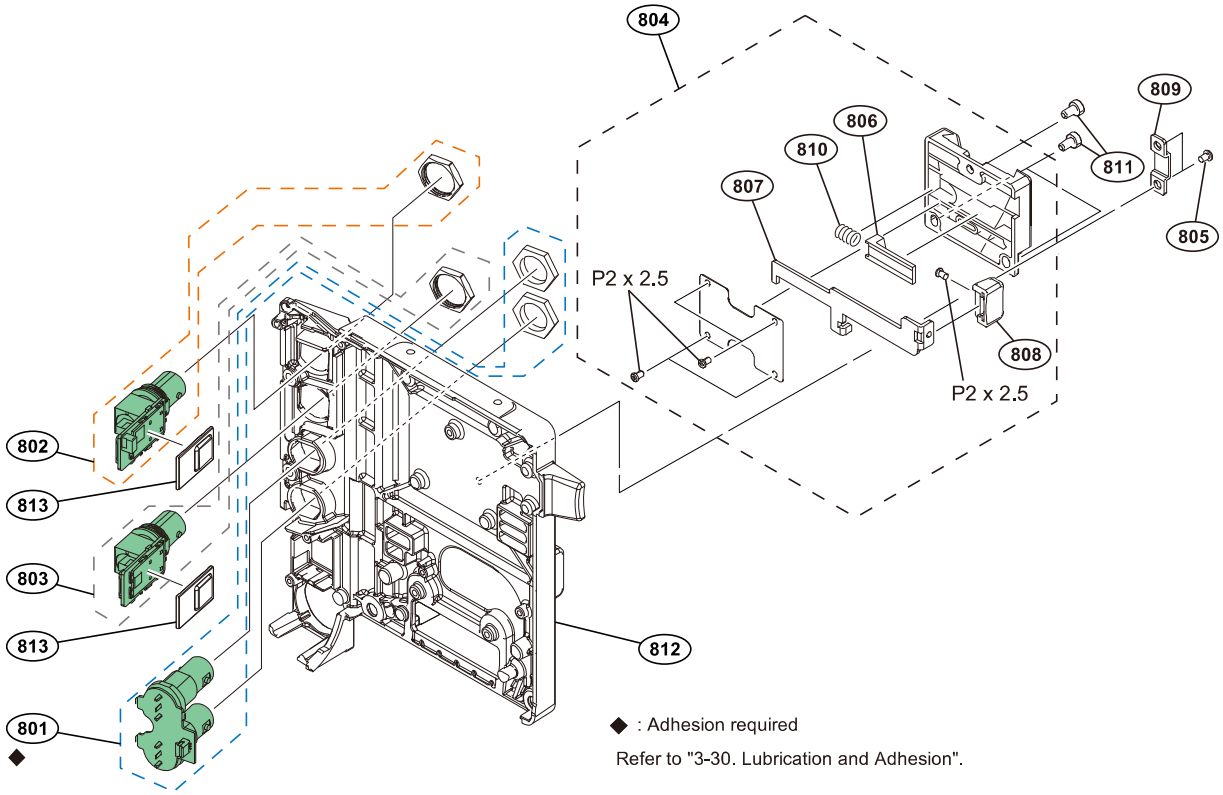
No.	Part No.	SP	Description
601	A5048376A	s	AXM-1003 MOUNT
602	A5048381A	s	IVF-1001 MOUNT
603	A5048384A	s	JK-1032 MOUNT
604	A5067297A	s	ASSY, OUTSIDE CABINET
605	A5067301A	s	ASSY, VF CONNECTOR PLATE
606	101526011	s	COAXIAL CABLE (CHK-IFV)
607	263000531	s	SCREW(M2),NEW TRUSTER,P2
608	454704303	s	CAP XLR
609	500881501	s	CUSHION, VF CONNECTOR
610	505064501	s	KNOB, TC
611	505064601	s	BASE, TC KNOB
612	505065701	s	LID, USB
	768553519	s	SCREW +BTP 2.6X10 TYPE2 N-S

Rear Block-1



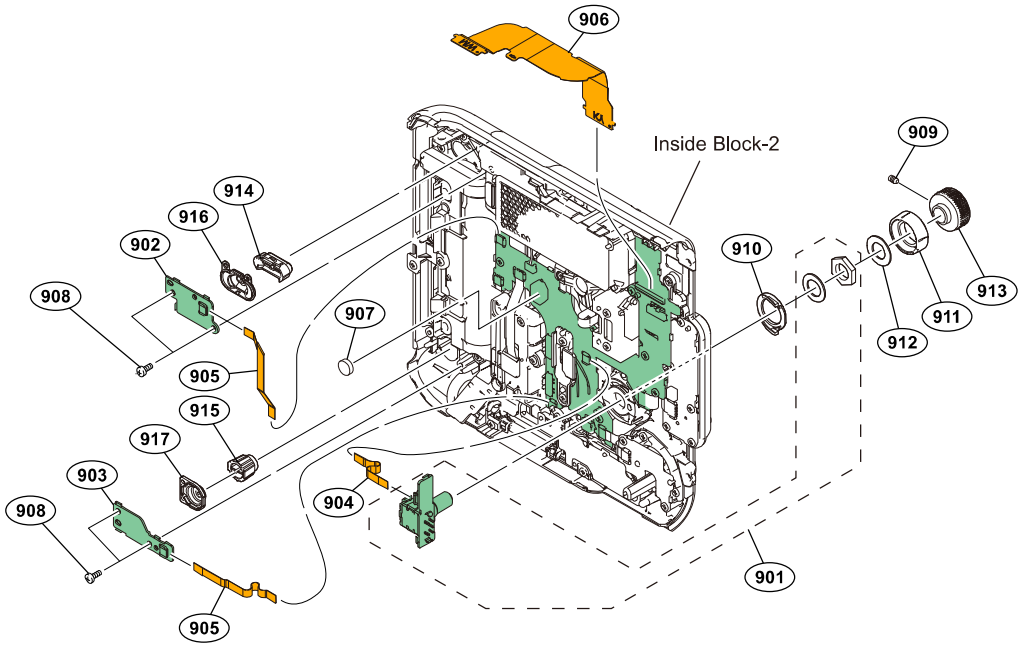
No.		Part No.	SP	Description
701		A5048379A	s	HD-1010 MOUNT
702		A5048385A	s	LN-2005 MOUNT
703		100236511	s	CABLE, FLEXIBLE FLAT (6 CORE)
704		101525911	s	COAXIAL CABLE (HD-VC)
705	⚠	196946912	s	HARNESS, SUB (ADPT-BATT)
706		197197211	s	HARNESS, SUB (DCIN-RE)
707		263000531	s	SCREW(M2),NEW TRUSTER,P2
708		472774001	s	T8 TORX M2.6
709		502101401	s	RADIATION SHEET, 14X14
710		505062801	s	PLATE, HDMI
711		505062901	s	HARNESS GUIDE, BATTERY
712		505063101	s	LID, HDMI
713		505063201	s	LID, LAN
714		505063301	s	PLATE, LAN
715		505363401	s	SHEET, LEAD GUARD

Rear Block-2



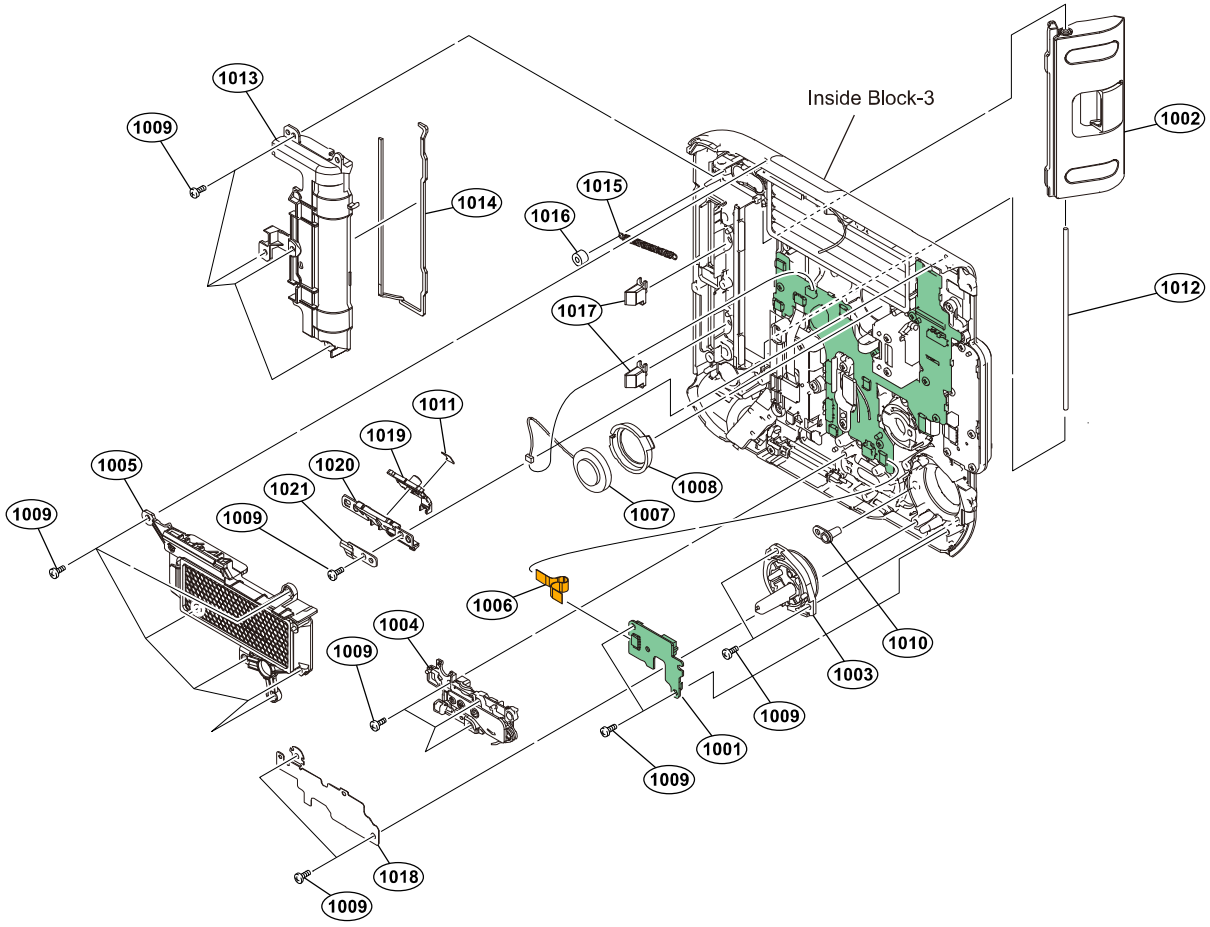
No.	Part No.	SP	Description
801	A5048386A	s	TC-1003 MOUNT
802	A5053928A	s	SDI-1020 MOUNT
803	A5053933A	s	SDI-1025 MOUNT
804	A8279000H	s	MOUNT,V(B)ASSY
805	263000531	s	SCREW(M2),NEW TRUSTER,P2
806	361429403	s	LOCK,SLIDE(B)
807	361429503	s	LEVER,RELEASE(B)
808	361429801	o	KNOB,RELEASE LEVER
809	369711903	s	RETAINER
810	370496401	s	SPRING,COMPRESSION
811	472774001	s	T8 TORX M2.6
812	505062701	s	CABINET, REAR
813	505063001	s	SHIELD CASE, SDI
	762755328	s	SCREW,PRECISION +P 2X2.5

Inside Block-1



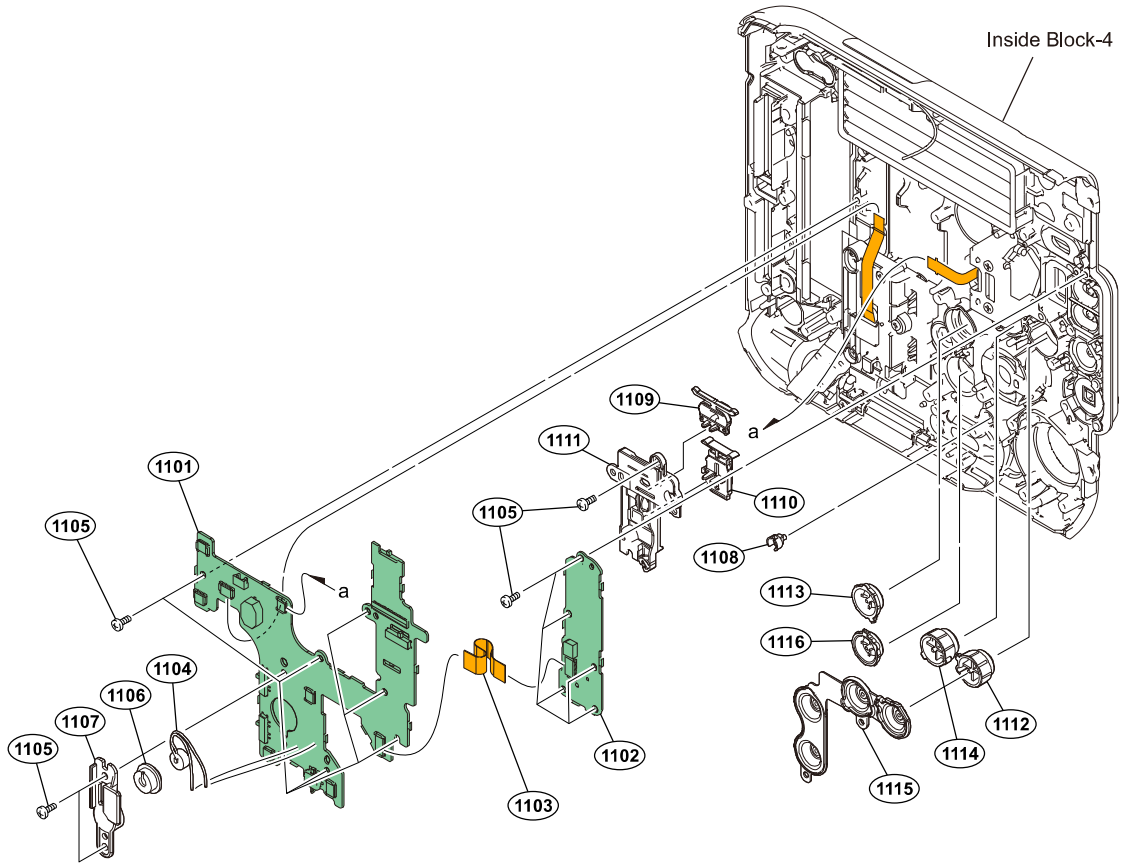
No.		Part No.	SP	Description
901		A5052632A	s	FU-1002 MOUNT
902		A5052634A	s	SW-1042 MOUNT
903		A5052636A	s	SEL-1002 MOUNT
904		100236511	s	CABLE, FLEXIBLE FLAT (6 CORE)
905		100237311	s	CABLE, FLEXIBLE FLAT (6 CORE)
906		101524911	s	FP-2486 FLEXIBLE PWB
907	⚠	175613534	s	BATTERY LITHIUM SECONDARY
908		263000531	s	SCREW(M2),NEW TRUSTER,P2
909		318586021	s	SCREW (M2X6), HEXAGON SOCKET
910		472772001	s	BASE, DIAL GUIDE, LIGHT
911		472772101	s	RING, DIAL GUIDE, LIGHT
912		473543701	s	PACKING, DIAL GUIDE, LIGHT
913		503599411	s	ROTARY ENCORDER KNOB
914		505060901	s	BUTTON, CLIPS
915		505061001	s	BUTTON, SLOT SELECT
916		505061401	s	PACKING, CLIPS BUTTON
917		505061501	s	PACKING, SLOT SELECT BUTTON

Inside Block-2



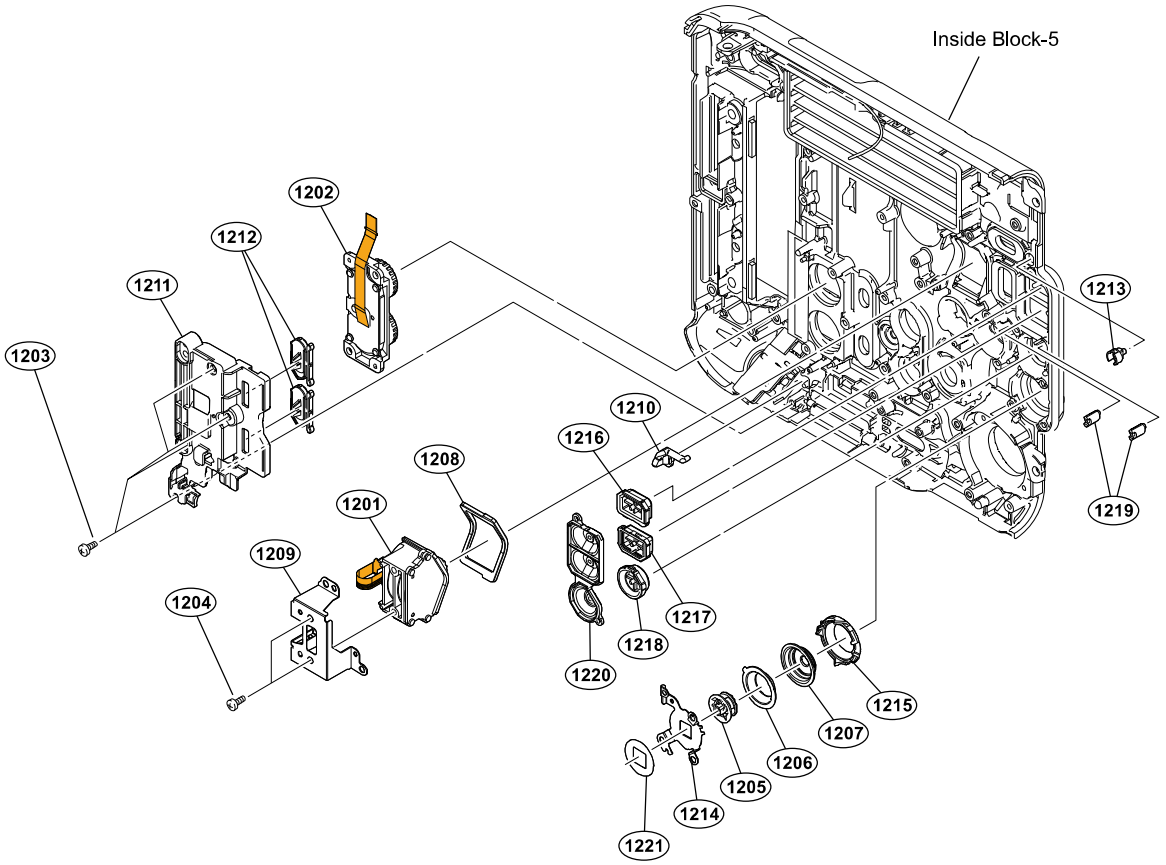
No.	Part No.	SP	Description
1001	A5052635A	s	SS-1008 MOUNT
1002	A5057959A	s	ASSY, MEDIA LID
1003	A5067265A	s	ASSY, REC BUTTON
1004	A5067266A	s	ASSY, POWER SWITCH
1005	A5067295A	s	ASSY, INSIDE DUCT
1006	100237111	s	CABLE, FLEXIBLE FLAT (8 CORE)
1007	185870621	s	LOUDSPEAKER (1.8CM)
1008	217855001	s	HOLDER, SPEAKER
1009	263000531	s	SCREW(M2),NEW TRUSTER,P2
1010	472773101	s	LIGHT, REC GUIDE,
1011	472783801	s	SHEET, LOCK ORANGE
1012	505056101	s	SHAFT, MEIDA LID
1013	505056301	s	HOLDER, MEDIA LID
1014	505056401	s	CUSHION, MEDIA LID HOLDER
1015	505056701	s	SPRING, MDEIA HINGE
1016	505056801	s	CUSHION, SPRING MEDIA
1017	505056901	s	INDICATOR, MEDIA TALLY
1018	505058801	s	SHEET, ENC FPC GUARD
1019	505059301	s	LEVER, LOCK SLIDE
1020	505059401	s	HOLDER, LOCK SLIDE
1021	505059601	s	INDICATOR, LOCK

Inside Block-3



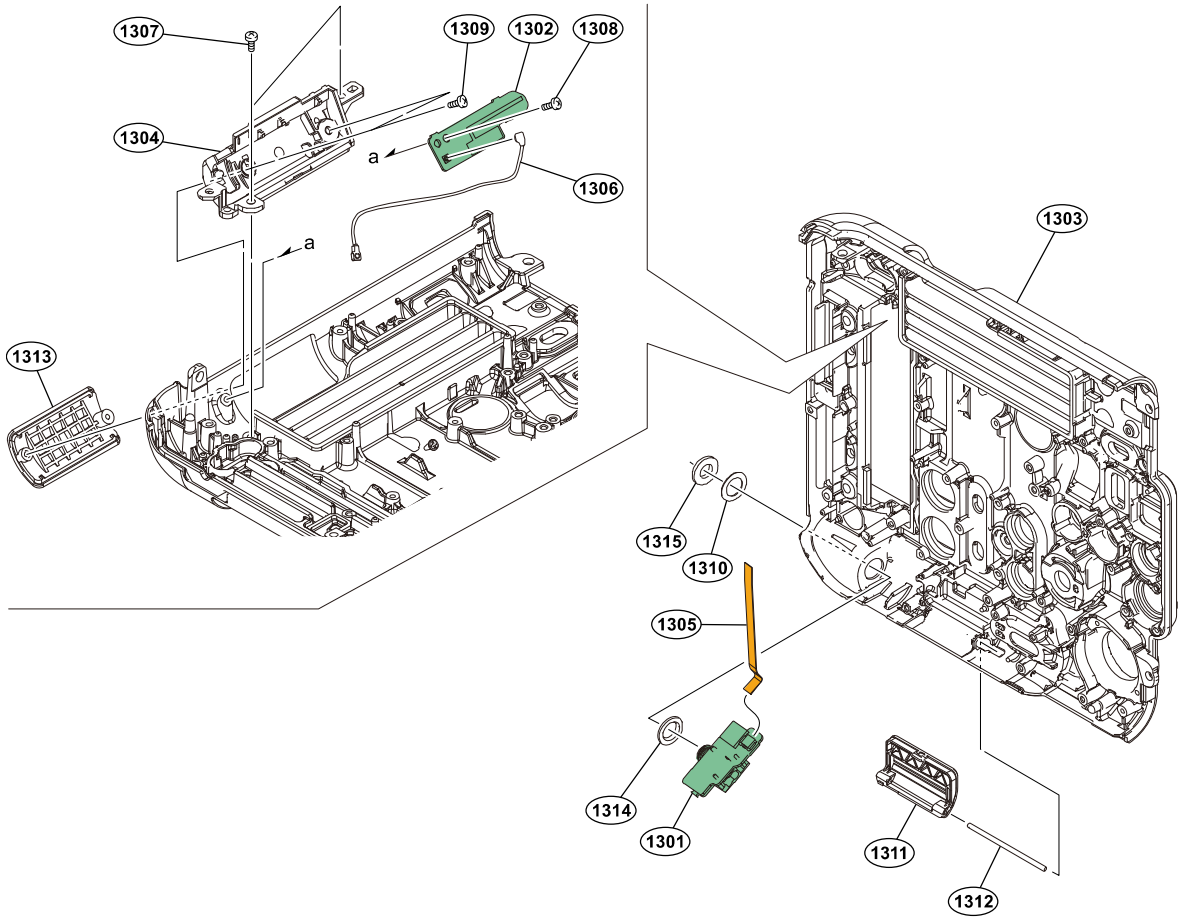
No.	Part No.	SP	Description
1101	A5048389A	s	KY-1037 MOUNT
1102	A5052638A	s	FS-2006 MOUNT
1103	101526511	s	FFC (AXM-ASW)
1104	101674311	s	MICROPHONE, ELECTRET CAP
1105	263000531	s	SCREW(M2),NEW TRUSTER,P2
1106	454704601	s	RUBBER,MIC
1107	505058101	s	RETAINER, MIC
1108	505058901	s	INDICATOR, POWER SWITCH
1109	505059701	s	LEVER, FOCUS AUTO SLIDE
1110	505059901	s	LEVER, ND SELECT SLIDE
1111	505060001	s	HOLDER, ND SELECT SLIDE
1112	505060501	s	BUTTON, ASSIGN2
1113	505060601	s	BUTTON, MENU
1114	505060701	s	BUTTON, DISPLAY
1115	505061301	s	PACKING, MENU BUTTON
1116	505060801	s	BUTTON, BACK

Inside Block-4



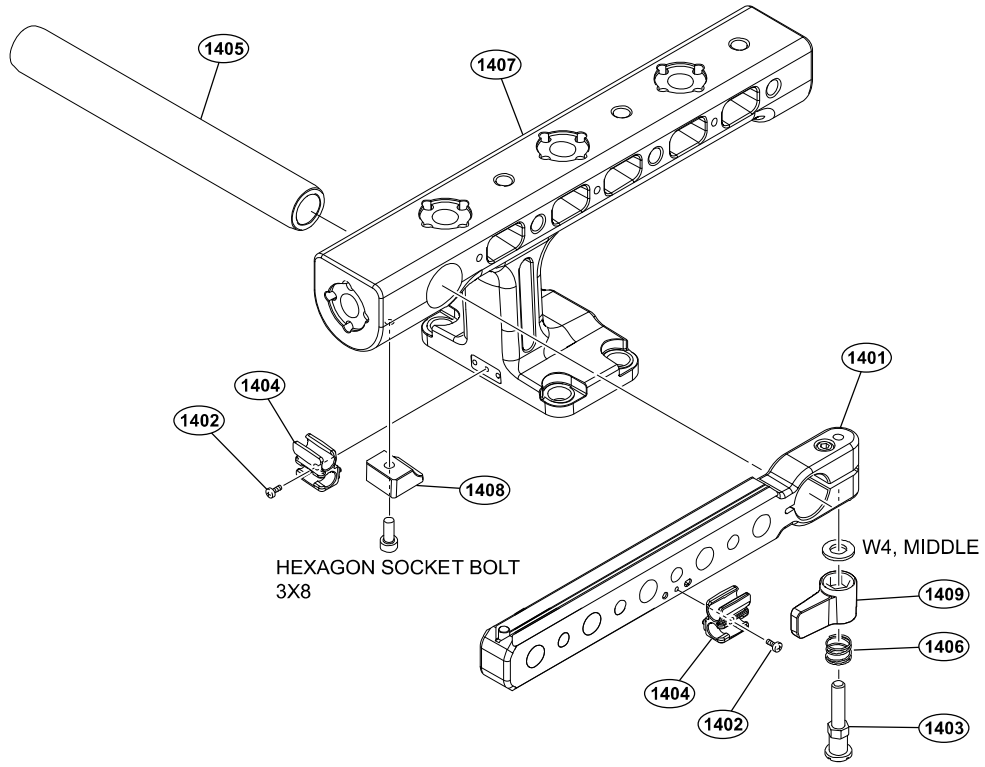
No.	Part No.	SP	Description
1201	100241411	s	SWITCH BLOCK,CONTROL (ID95700)
1202	100241511	s	SWITCH BLOCK CONTROL(AU95700)
1203	263000531	s	SCREW(M2),NEW TRUSTER,P2
1204	308020621	s	SCREW, TAPPING, P2
1205	500389901	s	JOY KNOB (88100)
1206	500390001	s	JOY HOLDER PLATE (88100)
1207	500390101	s	JOY RUBBER (88100)
1208	500881001	s	SHEET, ND DIAL
1209	501522001	s	PLATE, ND DIAL
1210	505057201	s	INDICATOR, SD
1211	505057701	s	HOLDER, AUDIO SWITCH
1212	505057801	s	LEVER, AUDIO SLIDE
1213	505058901	s	INDICATOR, POWER SWITCH
1214	505059001	s	PLATE, JOY BASE
1215	505059101	s	INDICATOR, MULTI SELECTOR
1216	505060201	s	BUTTON, ND PRESET UPPER
1217	505060301	s	BUTTON, ND PRESET LOWER
1218	505060401	s	BUTTON, ASSIGN1
1219	505061101	s	INDICATOR, ASSIGN1
1220	505061201	s	PACKING, ND BUTTON
1221	505486801	s	SHEET, MULTI SELECTOR

Inside Block-5



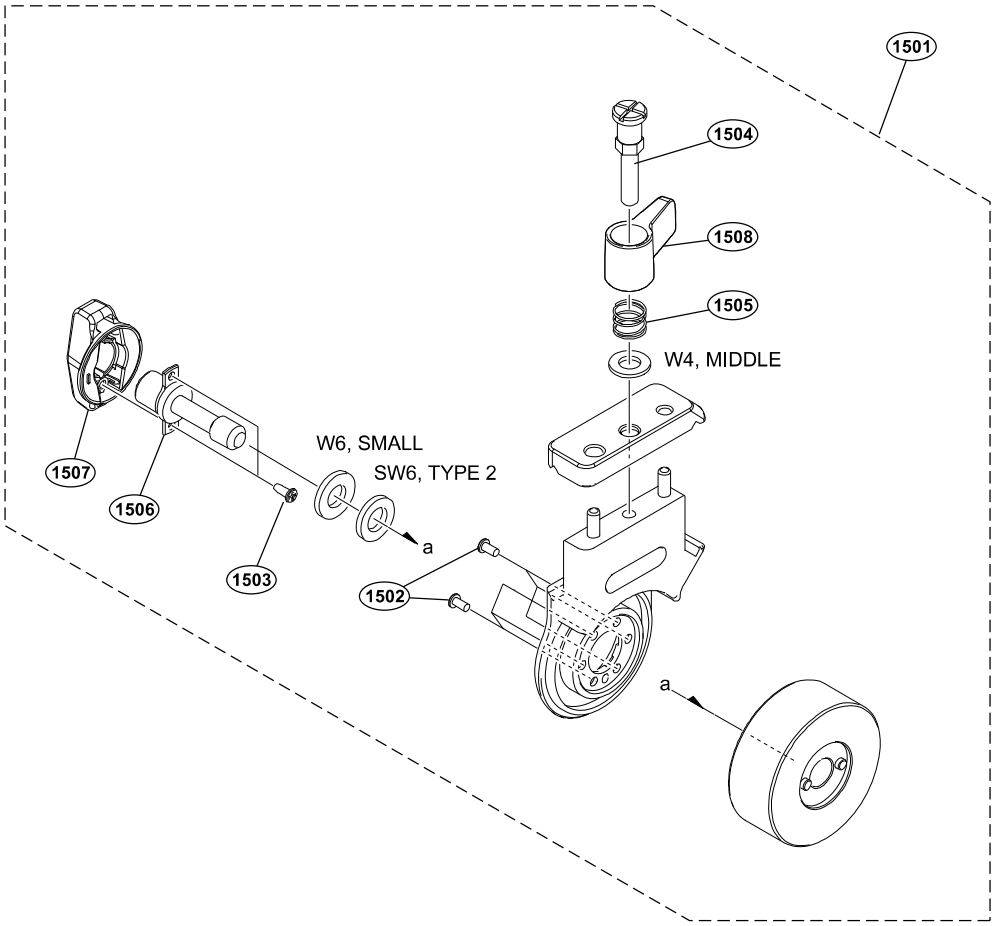
No.	Part No.	SP	Description
1301	A5048390A	s	HP-1018 MOUNT
1302	A5057991A	s	WF-12 MOUNT_CX96800
1303	A5067294A	s	ASSY, INSIDE CABINET
1304	A5067325A	s	ASSY, INSIDE INNER WIFI COVER
1305	100237311	s	CABLE, FLEXIBLE FLAT (6 CORE)
1306	184647421	s	CABLE, COAXIAL (85MM)
1307	263000531	s	SCREW(M2),NEW TRUSTER,P2
1308	263556221	s	SCREW(M1.7)
1309	308020401	s	SCREW, TAPPING, P2 (TP1.7×3.5)
1310	370144411	s	WASHER, 6
1311	505057101	s	LID, SD
1312	505057301	s	SHAFT, SD LID
1313	505057501	s	COVER OUTER, INSIDE WIFI
1314	505062401	s	COVER, HP PLUG
1315	505062601	s	NUT, HP PLUG

Handle/VF Arm Block



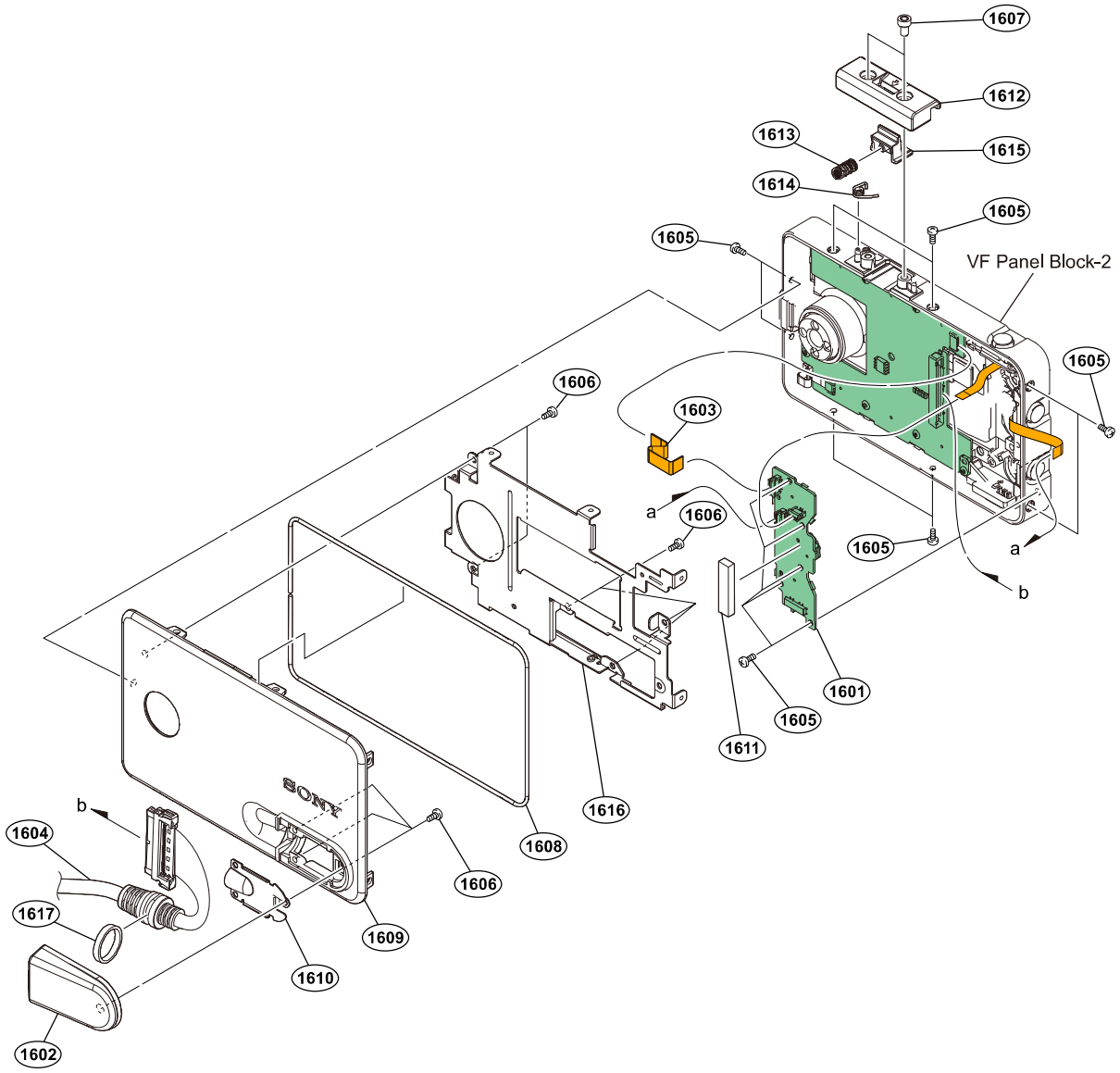
No.	Part No.	SP	Description
1401	X50036971	s	VF RAIL SUB ASSY
1402	263000531	s	SCREW(M2),NEW TRUSTER,P2
1403	456225202	s	SCREW, ROD LOCK
1404	457974501	s	CLAMP (964), CABLE
1405	468459501	s	ROD (956), MIC
1406	469117901	s	SPRING (956), ROD LOCK
1407	505067601	s	GRIP, HANDLE
1408	505729201	s	PIPE CLAMP(968), HANDLE
1409	503865701	s	LOCK KNOB (2166)
	768340404	s	BOLT,HEXAGON SOCKET 3X8
	768800412	s	W 4, MIDDLE

VF Hinge Block



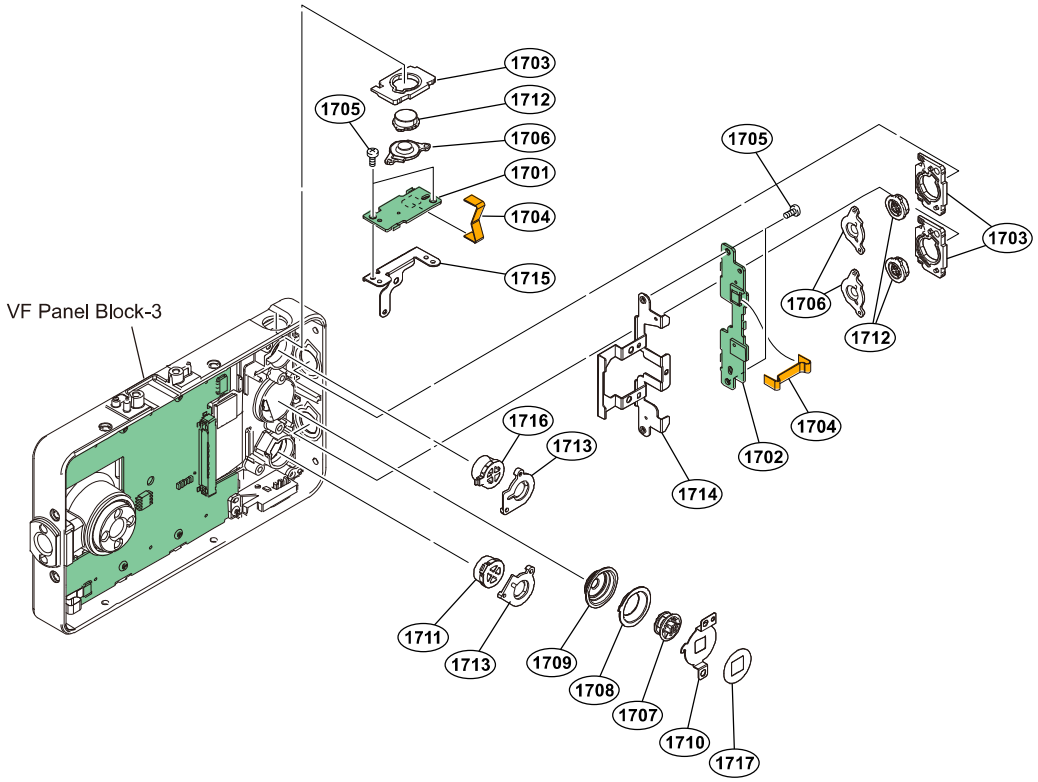
No.	Part No.	SP	Description
1501	A5057974A	s	VF HINGE ASSY
1502	263000531	s	SCREW(M2),NEW TRUSTER,P2
1503	308020621	s	SCREW, TAPPING, P2
1504	456225202	s	SCREW, ROD LOCK
1505	469117901	s	SPRING (956), ROD LOCK
1506	505068501	s	SHAFT, VF LOCK
1507	505068601	s	KNOB, VF HINGE
1508	503865701	s	LOCK KNOB (2166)
	762321322	s	SW 6, TYPE 2
	768800412	s	W 4, MIDDLE
	768800601	s	W 6, SMALL

VF Panel Block-1



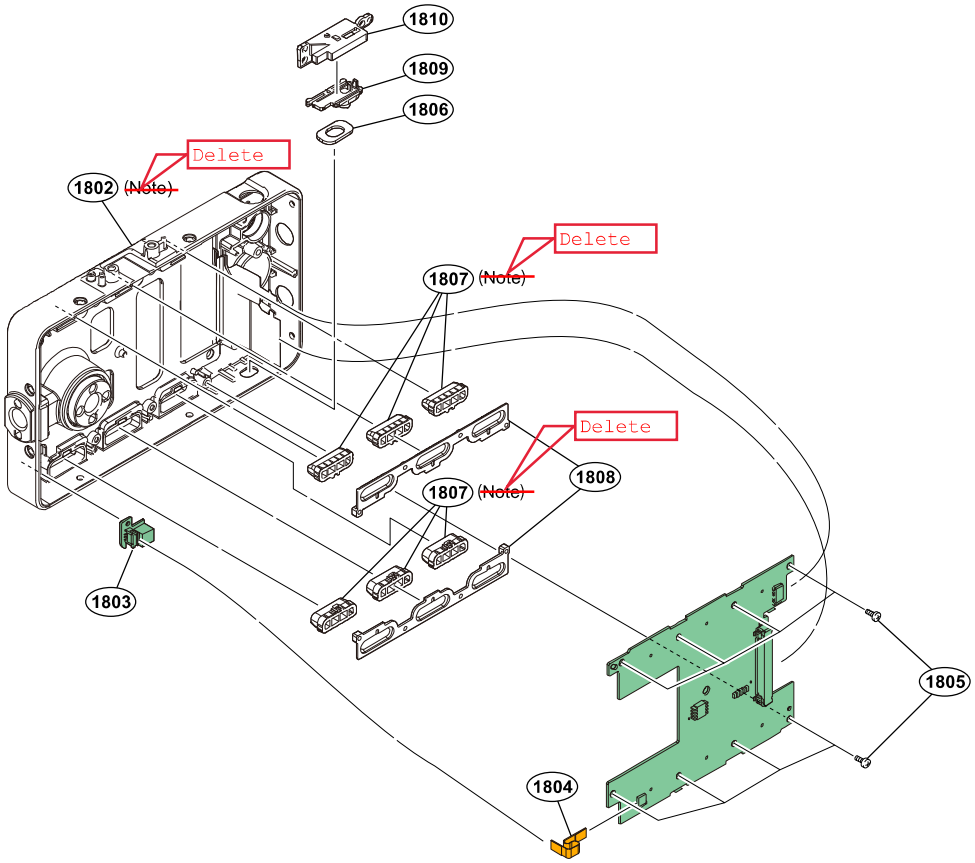
No.	Part No.	SP	Description
1601	A5053159A	s	PSW-1004 MOUNT
1602	A5067302A	s	ASSY, VF HARNESS CABINET
1603	100236911	s	CABLE, FLEXIBLE FLAT (10 CORE)
1604	184867231	s	CABLE, CONNECTION
1605	263000531	s	SCREW(M2),NEW TRUSTER,P2
1606	308020621	s	SCREW, TAPPING, P2
1607	472774001	s	T8 TORX M2.6
1608	473744901	s	TUBE, SILICON (1.3)
1609	505069101	s	CABINET, VF PANEL REAR
1610	505071001	s	PLATE, HARNESS GUARD
1611	505071101	s	CUSHION, VF HARNEES GUARD
1612	505071201	s	CABINET, LOUPE LOCK
1613	505071301	s	SPRING, LOUPE LOCK
1614	505071401	s	SPRING, LOUPE RELEASE
1615	505071501	s	LEVER, VF LOCK
1616	505085201	s	PLATE, VF PANEL REAR
1617	505124001	s	CUSHION, VF CABLE

VF Panel Block-2



No.	Part No.	SP	Description
1701	A5048383A	s	PSW-1002 MOUNT
1702	A5052637A	s	PSW-1003 MOUNT
1703	A5067303A	s	ASSY, VF SIDE BUTTON HOLDER
1704	100236511	s	CABLE, FLEXIBLE FLAT (6 CORE)
1705	263000531	s	SCREW(M2),NEW TRUSTER,P2
1706	500389101	s	AF RUBBER (88100)
1707	500389901	s	JOY KNOB (88100)
1708	500390001	s	JOY HOLDER PLATE (88100)
1709	500390101	s	JOY RUBBER (88100)
1710	501521601	s	PLATE, JOY
1711	505069501	s	BUTTON, ASSIGN 8
1712	505069601	s	BUTTON, VF PANEL SIDE
1713	505069701	s	PACKING, VF PANEL FRONT
1714	505070801	s	PLATE, VF PANEL SIDE
1715	505070901	s	PLATE, ASSIGN 11
1716	505073001	s	BUTTON, HOME
1717	505486801	s	SHEET, MULTI SELECTOR

VF Panel Block-3

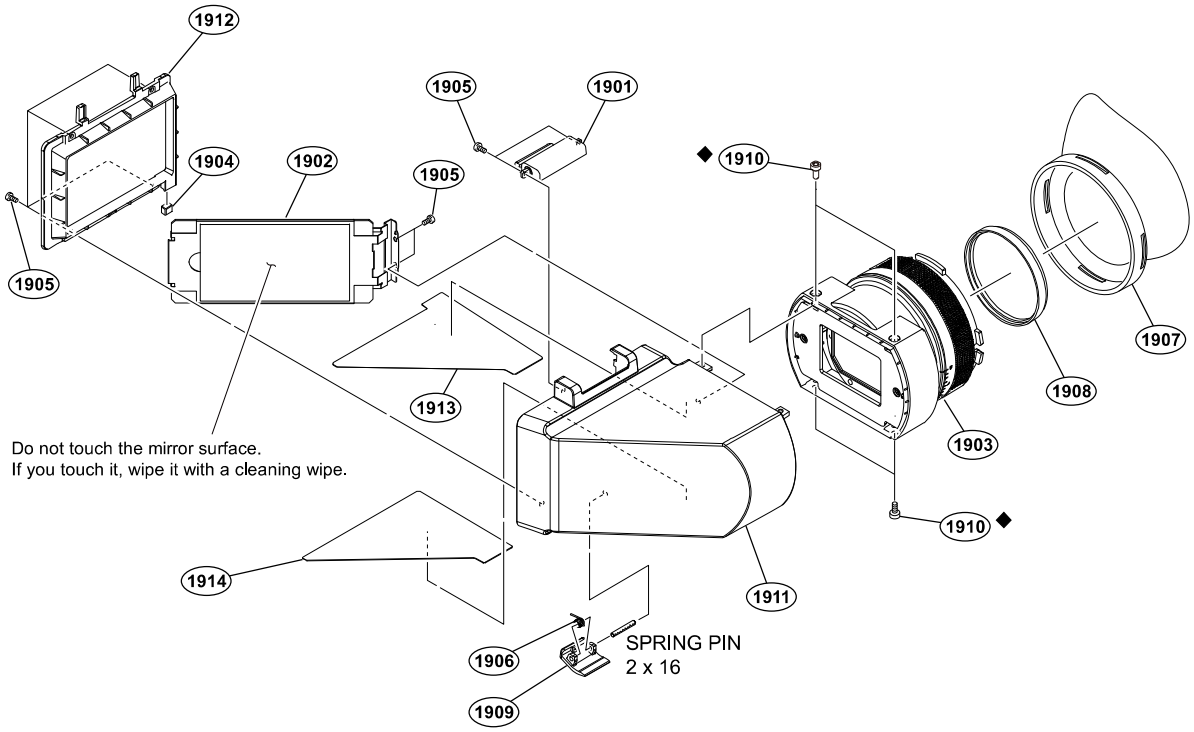


A5067309C

No.	Part No.	SP	Description
1802	(Note)	s	S-ASSY, VF PANEL (968)
1803	A5067310A	s	S-ASSY, MS-1042 MOUNT (968)
1804	100236511	s	CABLE, FLEXIBLE FLAT (6 CORE)
1805	263000531	s	SCREW(M2),NEW TRUSTER,P2
1806	501577101	s	SHEET, HOLD
1807	505069301	s	BUTTON, BIG SIX (Refer to "Note".)
	A5073596A	s	S-ASSY, BUTTON, BIG SIX (Refer to "Note".)
	A5073596B	s	S-ASSY, BUTTON, BIG SIX (Refer to "Note".)
1808	505069401	s	PACKING, BIG SIX
1809	505069901	s	KNOB, VF ROTATE
1810	505070001	s	HOLDER, VF KNOB

A5073596C s S-ASSY, BUTTON, BIG SIX

Eye Piece Block

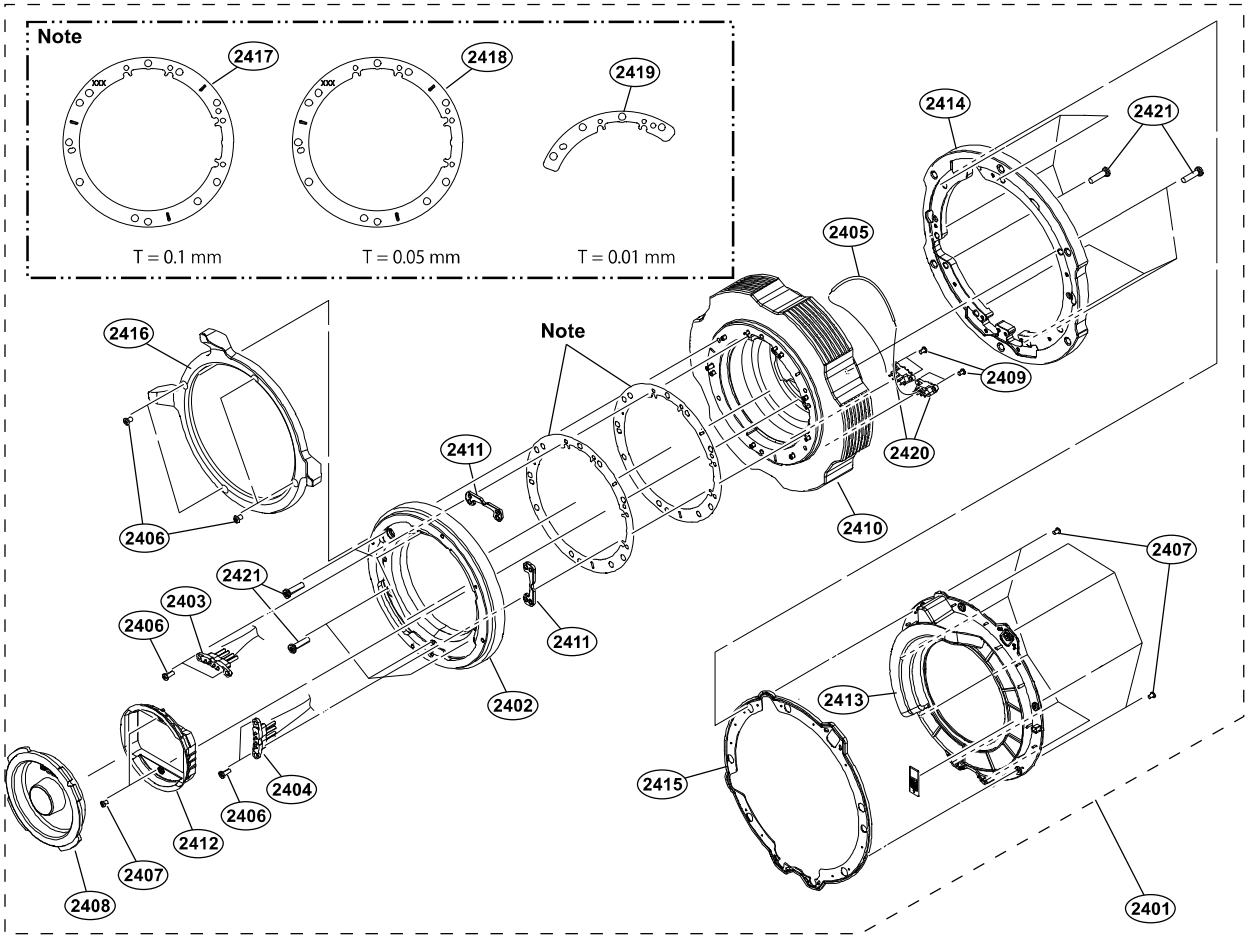


◆ : Adhesion required

Refer to "3-30. Lubrication and Adhesion".

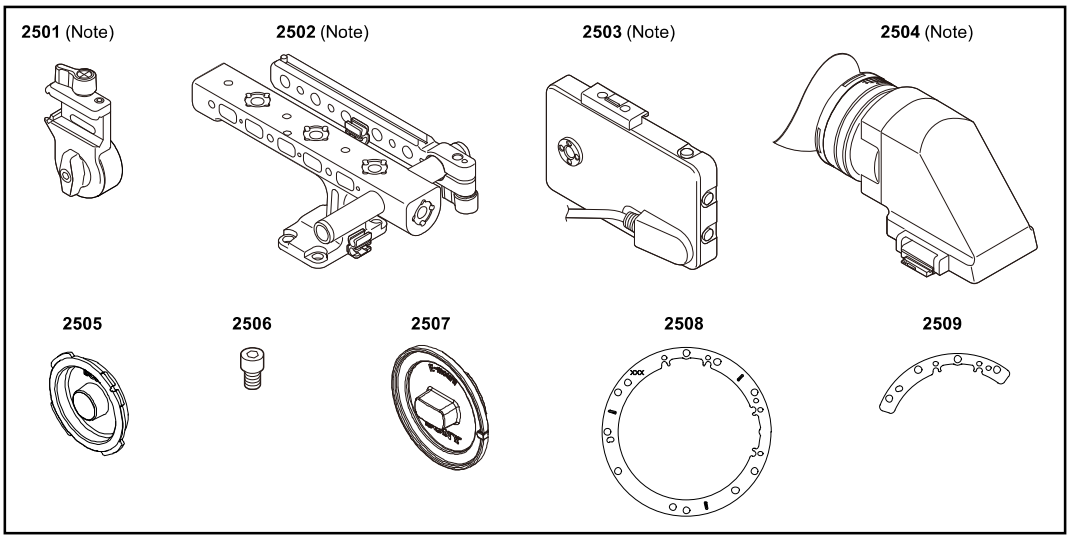
No.	Part No.	SP	Description
1901	A5067267A	s	ASSY, LOUPE HINGE
1902	X25417563	s	MIRROR ASSY
1903	X50037521	s	LOUPE ASSY
1904	147157321	s	MAGNET
1905	263000531	s	SCREW(M2),NEW TRUSTER,P2
1906	387820602	s	SPRING ,TORSION COIL
1907	387820813	s	EYE CUP
1908	455873701	s	PROTECTOR, MC-N52
1909	455961601	s	LEVER, LOCK
1910	472774001	s	T8 TORX M2.6
1911	505071601	s	CABINET, MIRROR BOX
1912	505071701	s	COVER, MIRROR BOX
1913	505505901	s	ANTIREFLECTION SHEET, UPPER
1914	505506001	s	ANTIREFLECTION SHEET, LOWER
	762631431	s	SPRING PIN 2X16

PL Mount Adaptor Block



No.	Part No.	SP	Description
2401	A5064550A	s	PL ADAPTOR BLOCK ASSY 6000
2402	X25955122	s	MOUNT ASSY, PL
2403	197104121	s	SUB HARNESS, (MA-CK)
2404	197104221	s	SUB HARNESS, (MA-AR)
2405	197198412	s	SUB HARNESS, (FZ1-FZ2)
2406	263000501	s	SCREW(M2),NEW TRUSTER,P2
2407	263556211	s	SCREW(M1.7)
2408	410499903	s	CAP, MOUNT
2409	428743601	s	SCREW (M1.7)
2410	505243701	s	MOUNT ADAPTOR BODY 6000
2411	472766301	s	BLOCK, MOUNT ADAPTOR BASE SHIM
2412	472766402	s	WINDOW, MOUNT ADAPTOR
2413	472766501	s	COVER, PL MOUNT
2414	505243801	s	MOUNT ADAPTOR BASE 6000
2415	472766701	s	PACKING, ADAPTOR RUBBER
2416	472779401	s	RING, LEVER
2417	473032801	s	SHIM (100), PL ADAPTOR
2418	473032811	s	SHIM (50), PL ADAPTOR
2419	473032821	s	SHIM (10), PL ADAPTOR
2420	473133901	s	MOUNT TERMINAL BLOCK (7PIN)
2421	473542001	s	STOPPER, PL MOUNT [T8 M2.6 x 10]

4-3. Supplied Accessories



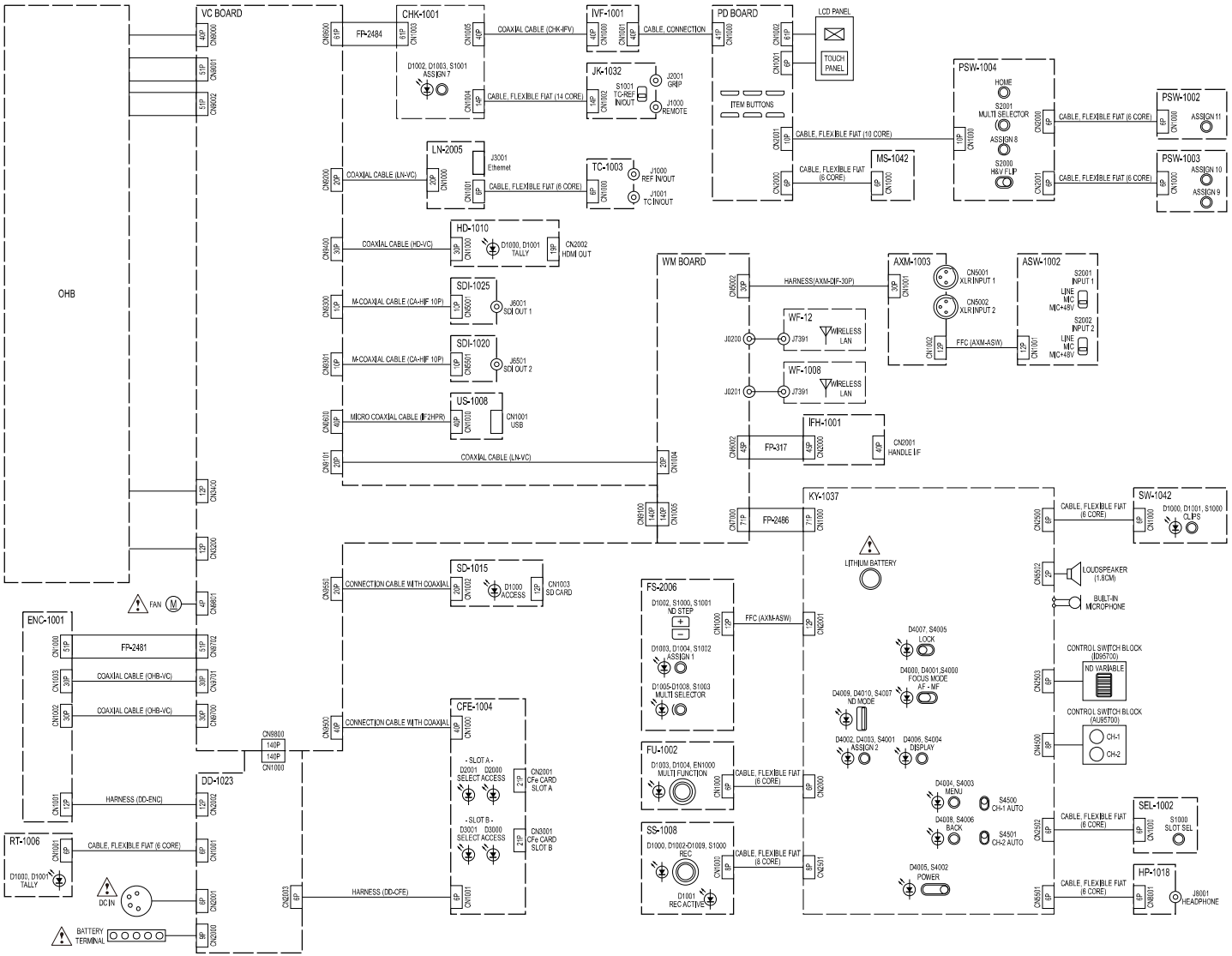
No.	Part No.	SP	Description
2501	A5057974A	s	VF HINGE ASSY (Refer to Note)
2502	A5057972A	s	HANDLE ASSY
2503	A5057975A	s	VF PANEL BLOCK ASSY
2504	A5057977A	s	EYEPIECE ASSY
2505	410499903	s	CAP, MOUNT
2506	456260412	s	BOLT(1/4-20 UNC),HOLE HEXAGON
2507	468632801	s	BODY CAP
2508	473032811	s	SHIM (50), PL ADAPTOR
2509	473032821	s	SHIM (10), PL ADAPTOR

Note

- Refer to “VF Hinge Block” for the VF HINGE ASSY.
- Refer to “Handle/VF Arm Block” for the HANDLE ASSY.
- Refer to “VF Panel Block-1” for the VF PANEL BLOCK ASSY.
- Refer to “Eye Piece Block” for the EYEPIECE ASSY.

Section 5
Diagrams

Frame Wiring



Revision History

Date	History	Contents
2024. 4	1st Edition 9-932-849-01	—

Trademarks

Trademarks and registered trademarks described in this manual are as follows.

- The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.
- USB Type-C and USB-C are registered trademarks of USB Implementers Forum.

Other system names, product names, and company names appearing in this manual are trademarks or registered trademarks of their respective holders.

MPC-2610 E
9-932-849-01 V1.00A

Sony Corporation

Printed in Japan
2024. 4 08