ZV-1M2

SERVICE MA

Ver. 1.0 2024.05

Conditions of Use/Revision o




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## Conditions of Use

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**Note**

Be sure to keep your PC used for service and checking of this unit always updated with the latest version of your anti-virus software.

## Revision of Information

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

Close

# ZV-1M2

## SERVICE MANUAL

Ver. 1.0 2024.05

Conditions of Use/Revision of Information




DIGITAL CAMERA

| | | |
|---|---|---|
| SERVICE NOTE | DISASSEMBLY | ASSEMBLY |
| EXPLODED VIEWS | SUPPLIED ACCESSORIES | FRAME SCHEMATIC DIAGRAMS |

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# SERVICE NOTE

## PLASTIC PARTS

Be careful to the following points for plastic parts used in this unit.

- Use a piece of cleaning paper or cleaning cloth for cleaning plastic parts. Avoid using chemicals.
  Even if you have to use chemicals to clean heavy dirt, do not use paint thinner, ketone, nor alcohol.
- Insert the specific screws vertically to the part when installing an plastic part.
  Be careful not to tighten screws too much.

## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer.

1. Follow the precautions.
   Areas that require special attention during service are marked with labels or stamps on cabinets, chassis, parts, etc. Be sure to follow these precautions and instructions in the instruction manual.
2. Reinstall parts and route wiring as before
   Be sure to return all parts installations and wiring to their original positions.
3. Perform safety inspection after service
   Confirm that safety is ensured by inspecting whether screws, parts, and wiring that were removed for service have been returned to their original positions, and whether there is any deterioration in the area surrounding the serviced area.

**Caution**

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.
Dispose of used batteries according to the instructions.

**SAFETY-RELATED COMPONENT WARNING!!**

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION.**
**REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

**ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!**

**LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.**

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# DISASSEMBLY

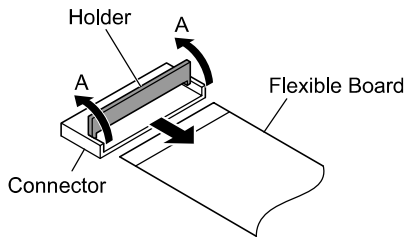
## OPERATION NOTES

Make sure that the conductive side of a flexible board does not have any stain or foreign materials.

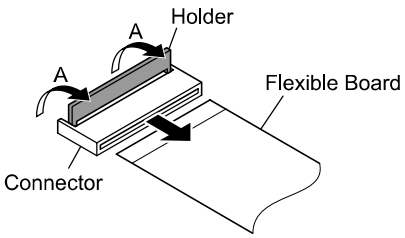
Do not touch the conductive side of flexible boards with bare hands.

When opening the connector's holder in direction A, do not open it with excessive force.

Type 1

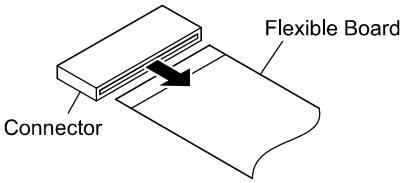



Type 2

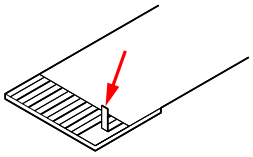



When removing the connector (without holder), pull out a flexible board straight.

Type 3



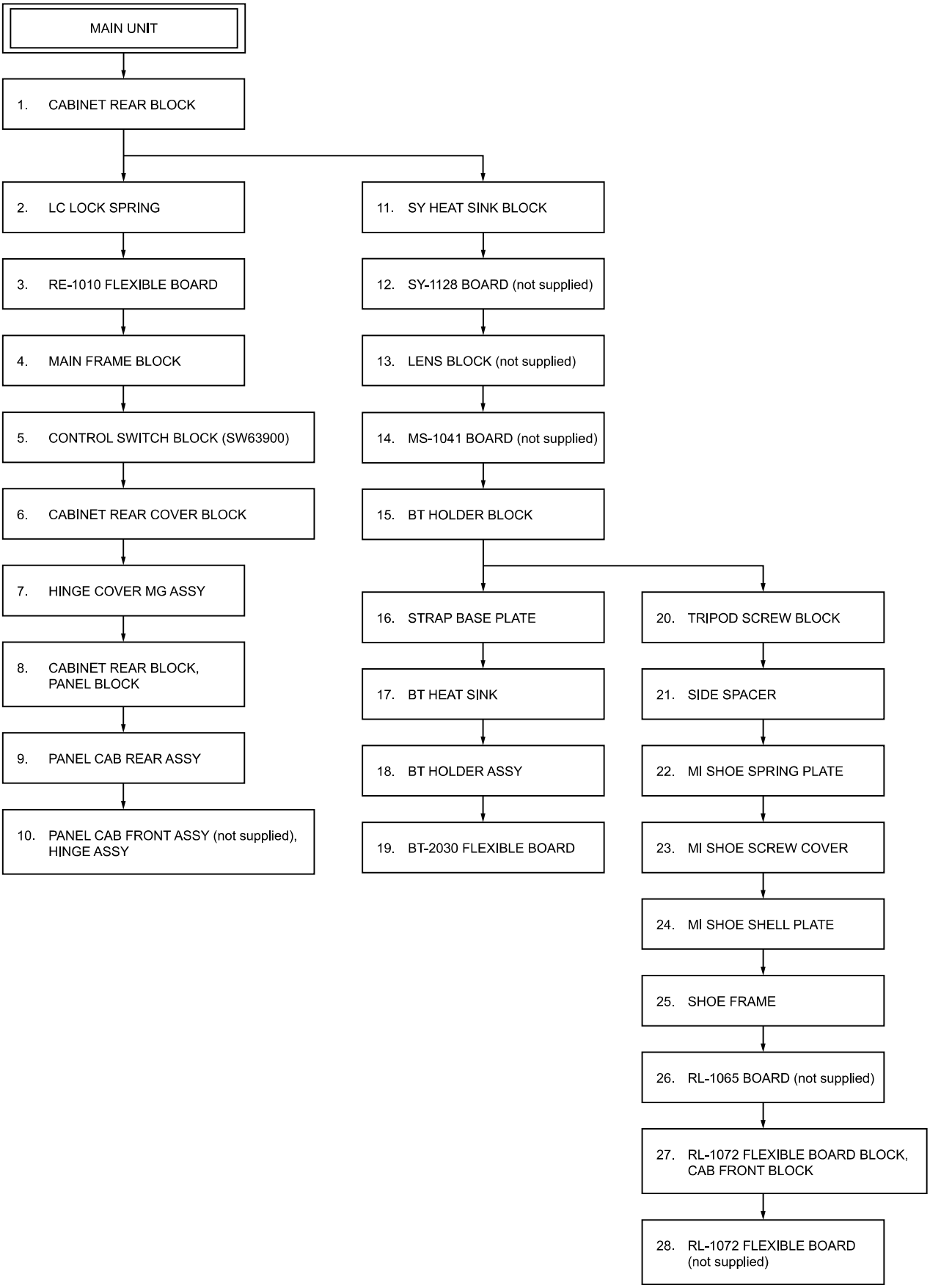

- Make sure that the flat cable and flexible board are not cracked or bent at the contact end.
- If the terminal is cracked or came off, replace it.



- Do not apply excessive force to the gilded flexible board.
- The proper way to disconnect a connector is to grab the connector instead of the wires. If you pull on the wires, they might be broken.

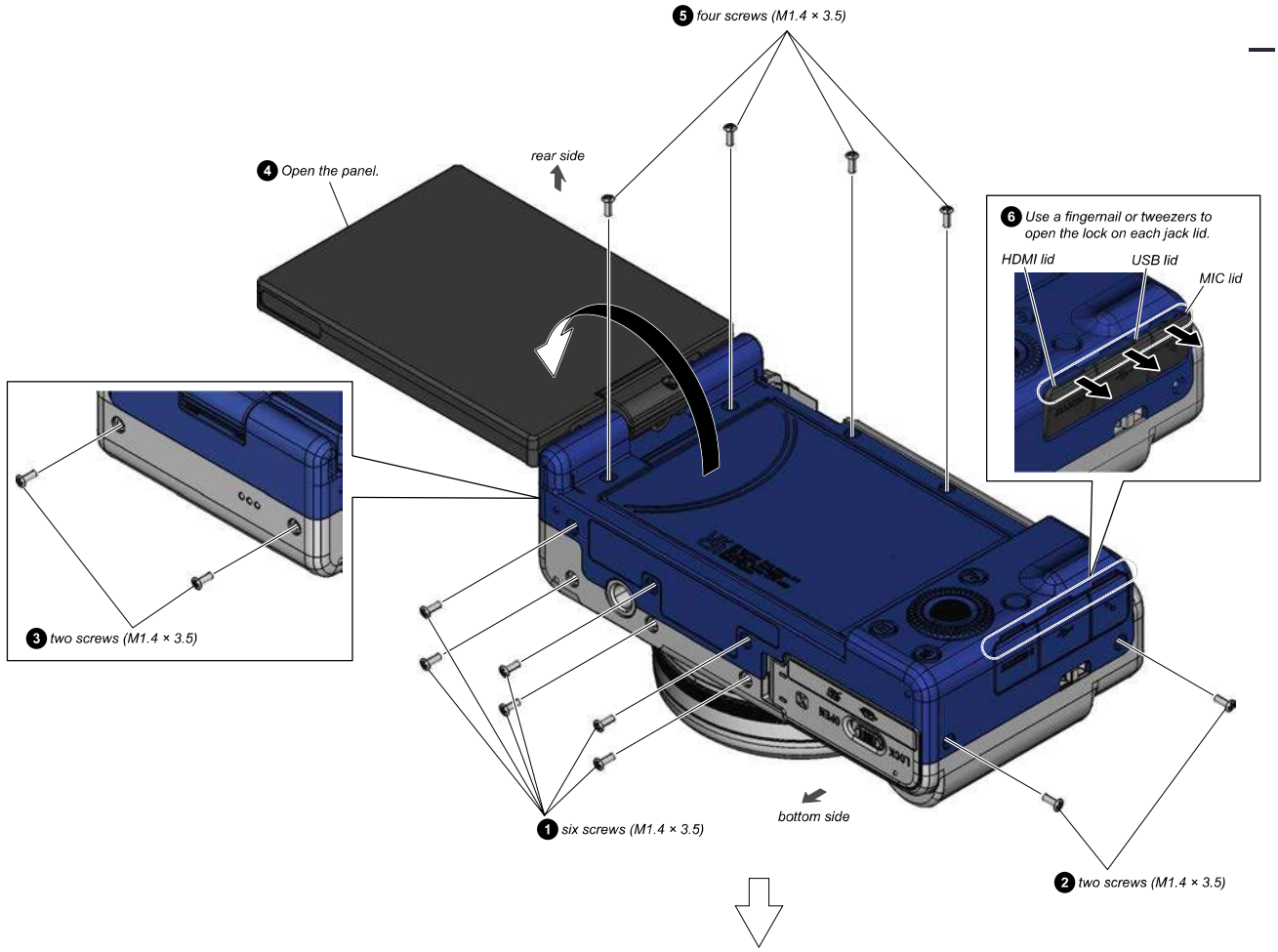
## DISASSEMBLY FLOW

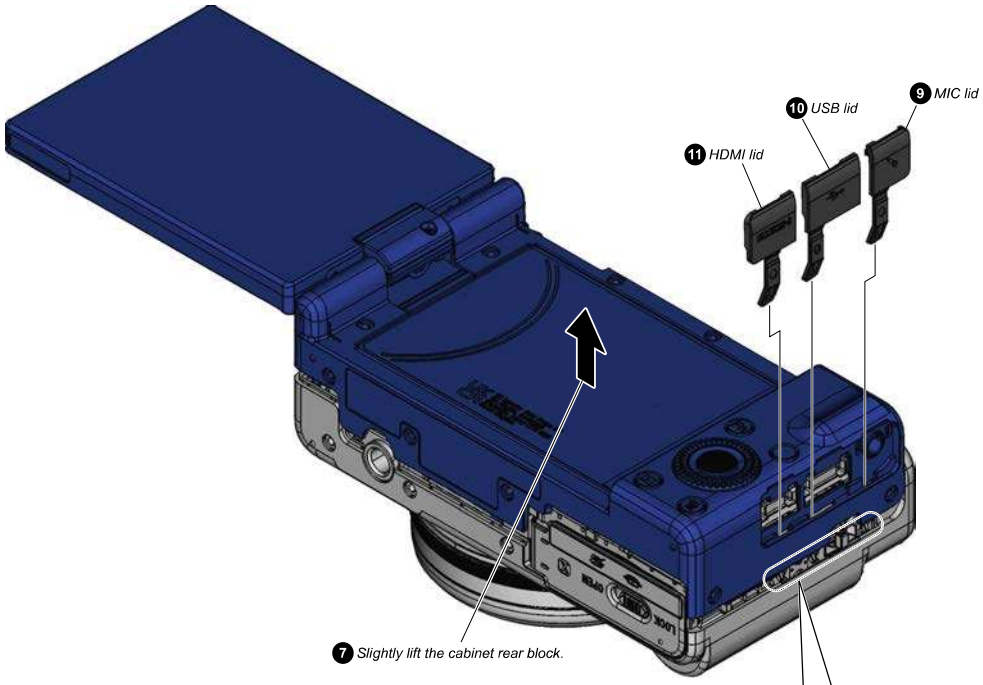
This set can be disassembled in the order shown below.

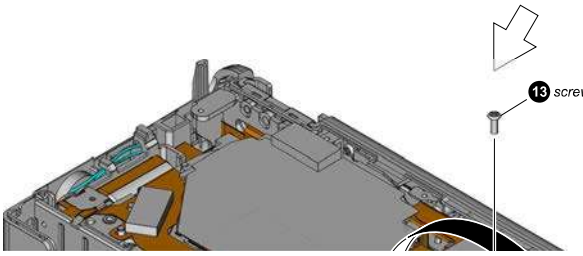


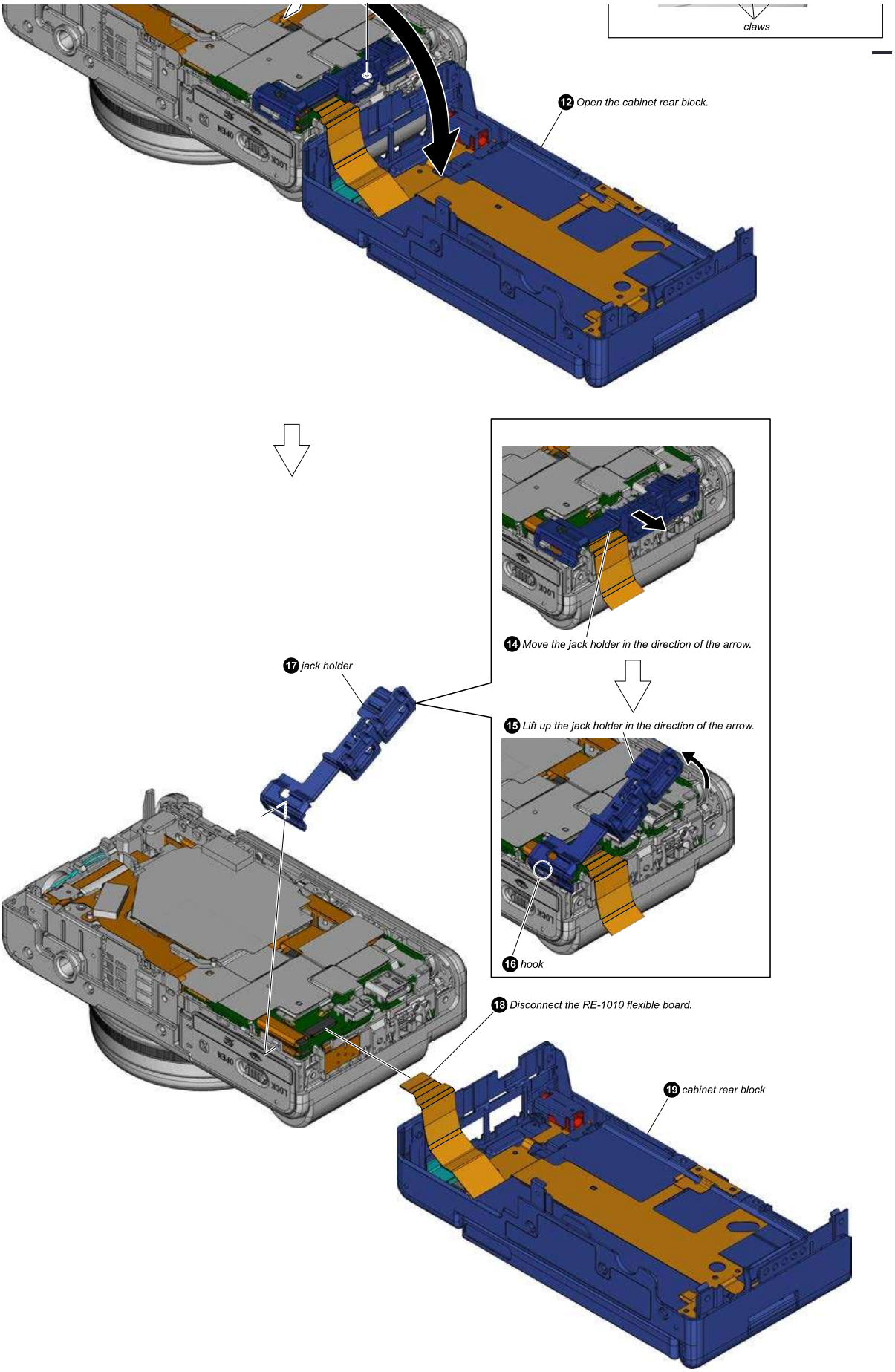
**Note:** Follow the disassembly procedure in the numerical order given.

## 1. CABINET REAR BLOCK

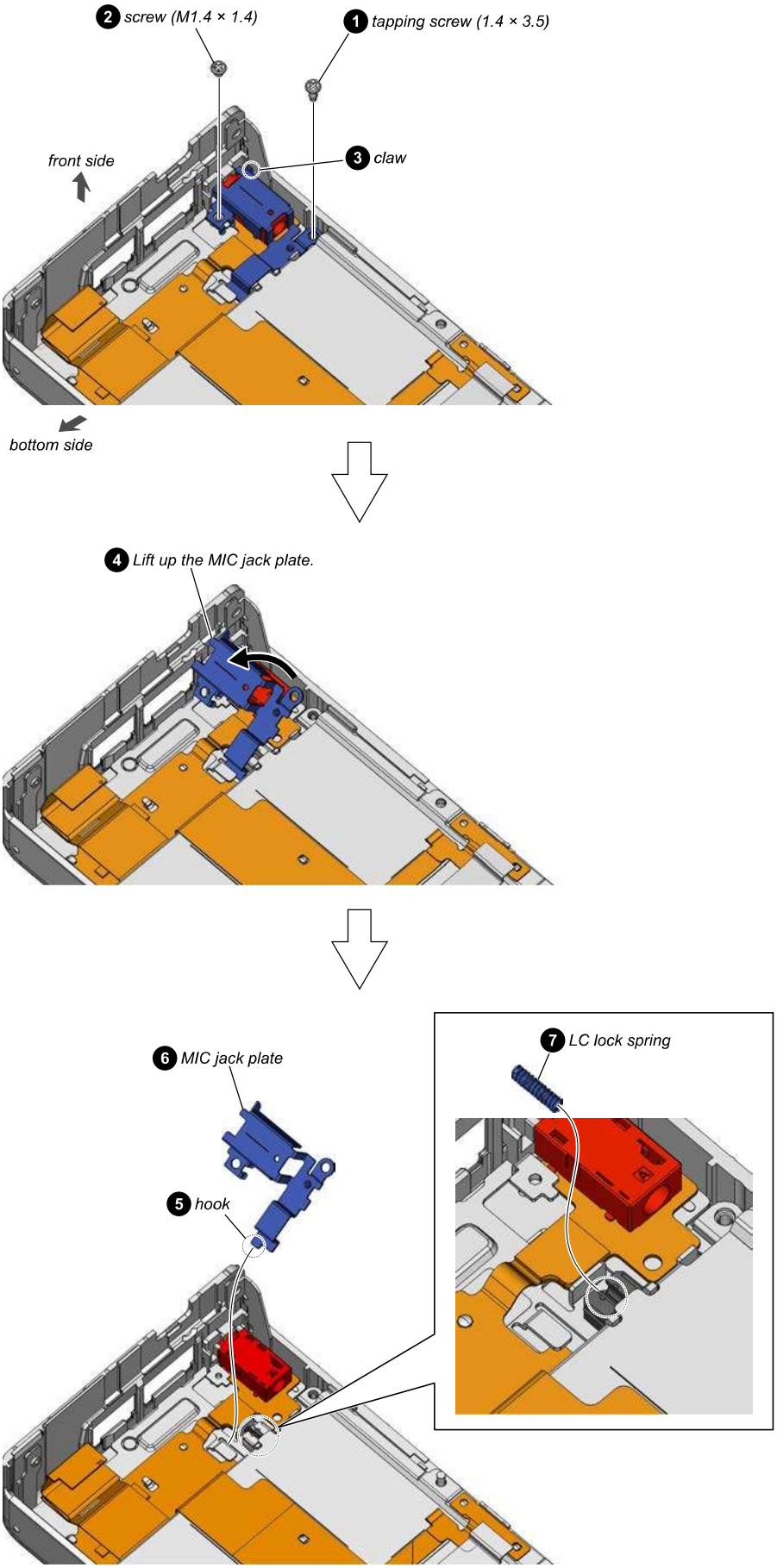

5 four screws (M1.4 × 3.5)
rear side
4 Open the panel.
6 Use a fingernail or tweezers to open the lock on each jack lid.
HDMI lid
USB lid
MIC lid
3 two screws (M1.4 × 3.5)
1 six screws (M1.4 × 3.5)
bottom side
2 two screws (M1.4 × 3.5)

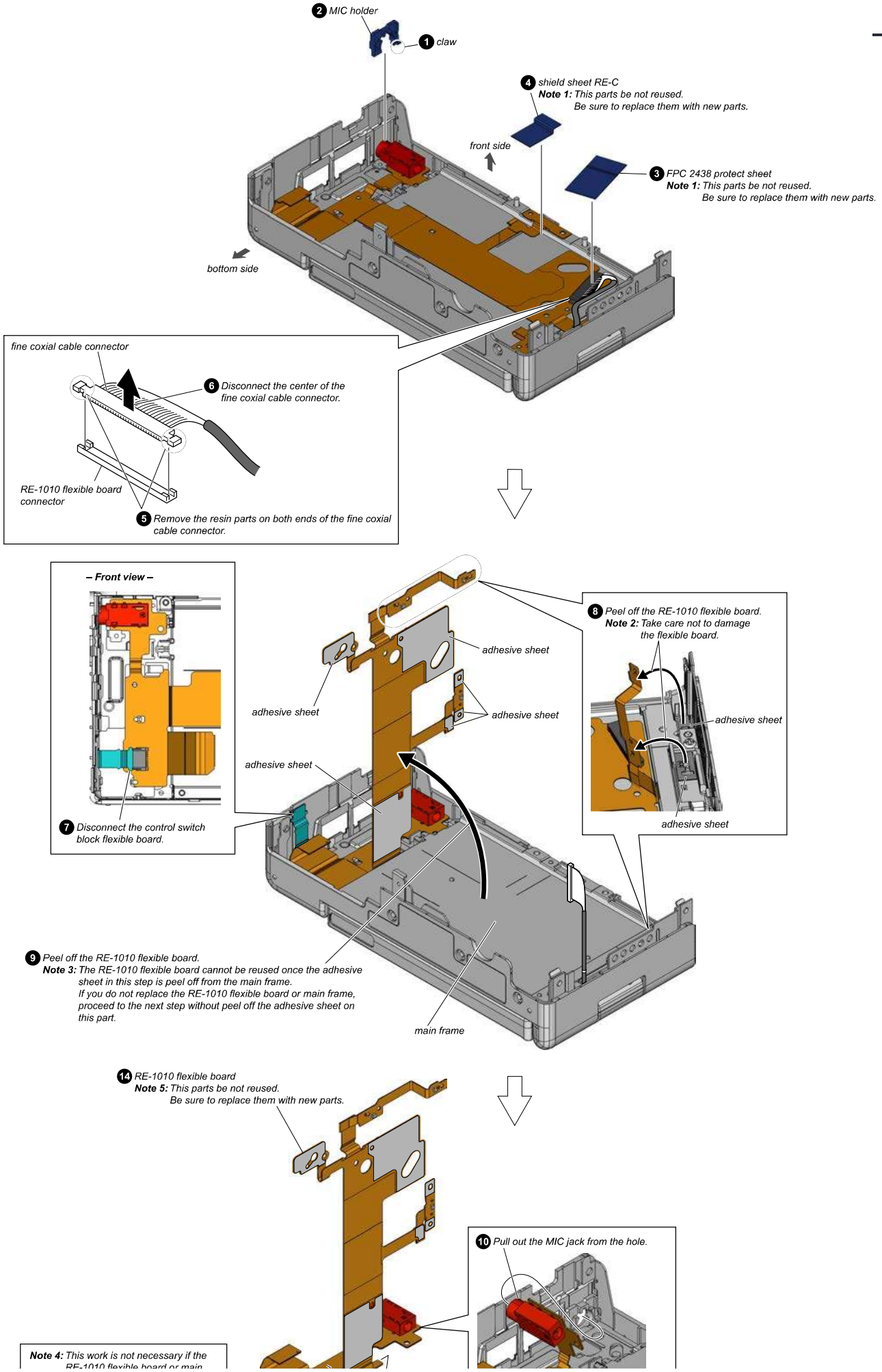

9 MIC lid
10 USB lid
11 HDMI lid
7 Slightly lift the cabinet rear block.
8 Insert tweezers etc. at the position shown in the figure and remove each jack cover from the claw.
tweezers etc.


13 screw (M1.4 × 3.5)

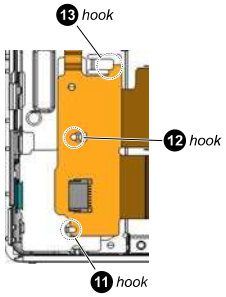

claws
12 Open the cabinet rear block.
14 Move the jack holder in the direction of the arrow.
15 Lift up the jack holder in the direction of the arrow.
16 hook
17 jack holder
18 Disconnect the RE-1010 flexible board.
19 cabinet rear block

## 2. LC LOCK SPRING

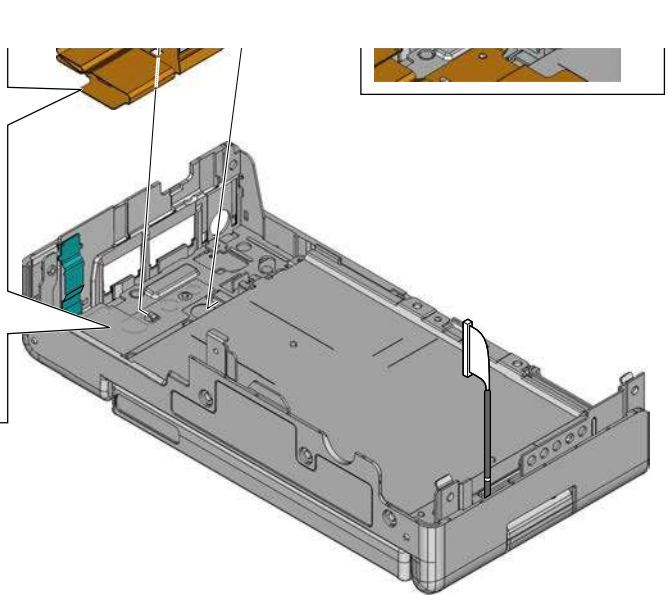



2 MIC holder
1 claw
4 shield sheet RE-C
Note 1: This parts be not reused.
Be sure to replace them with new parts.
front side
3 FPC 2438 protect sheet
Note 1: This parts be not reused.
Be sure to replace them with new parts.
bottom side
fine coxial cable connector
6 Disconnect the center of the fine coxial cable connector.
RE-1010 flexible board connector
5 Remove the resin parts on both ends of the fine coxial cable connector.
– Front view –
7 Disconnect the control switch block flexible board.
adhesive sheet
adhesive sheet
adhesive sheet
adhesive sheet
8 Peel off the RE-1010 flexible board.
Note 2: Take care not to damage the flexible board.
adhesive sheet
adhesive sheet
9 Peel off the RE-1010 flexible board.
Note 3: The RE-1010 flexible board cannot be reused once the adhesive sheet in this step is peel off from the main frame.
If you do not replace the RE-1010 flexible board or main frame, proceed to the next step without peel off the adhesive sheet on this part.
main frame
14 RE-1010 flexible board
Note 5: This parts be not reused.
Be sure to replace them with new parts.
10 Pull out the MIC jack from the hole.
Note 4: This work is not necessary if the RE-1010 flexible board or main

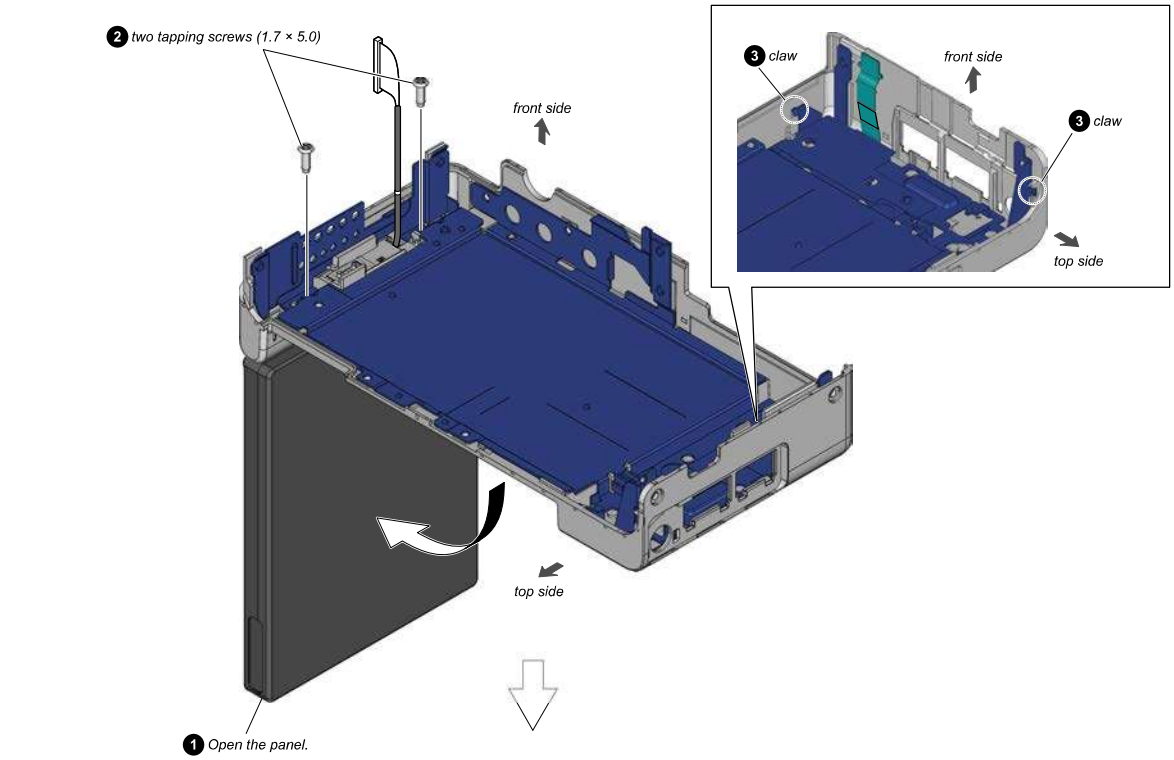
*frame is not replaced.*

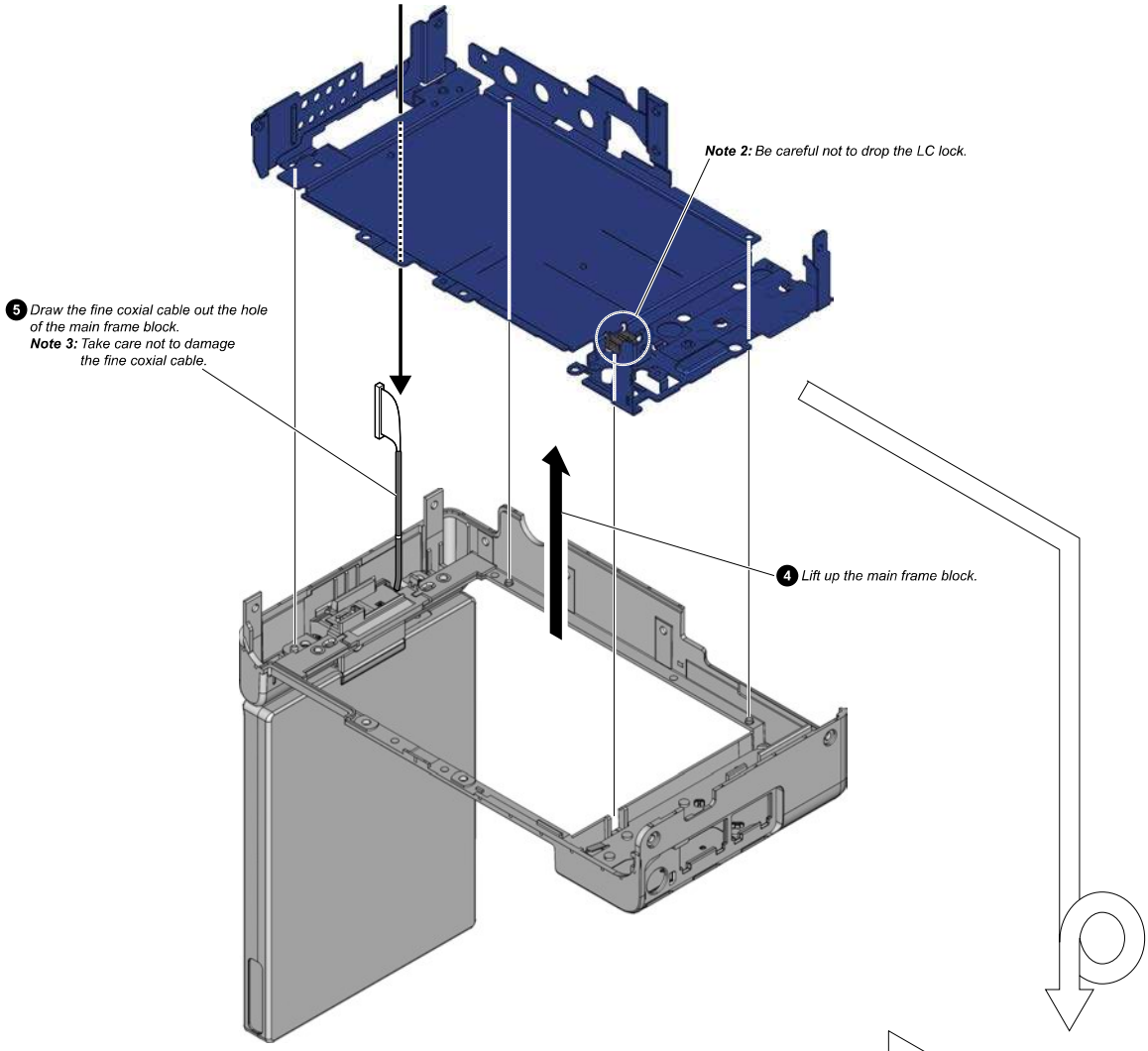



*– Front view –*



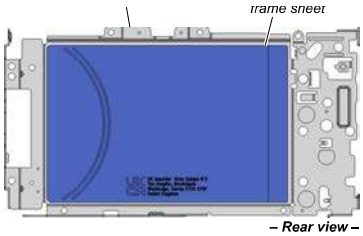
***Note 1:*** *When removing the main frame block with the RE-1010 flexible board attached, take care not to damage the flexible board.*




***• The main frame block can be disassembled as shown in the figure below.***

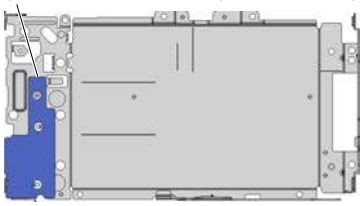
main frame



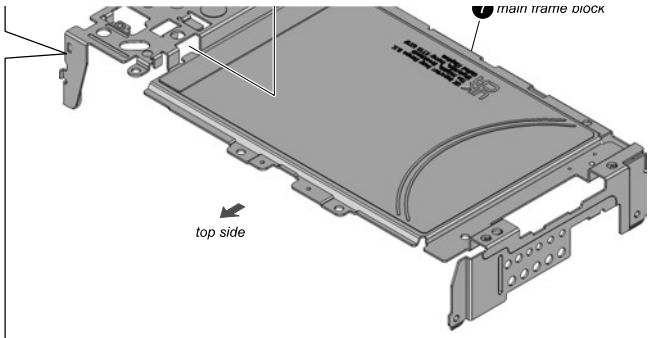

**– Rear view –**

*main frame insulation*

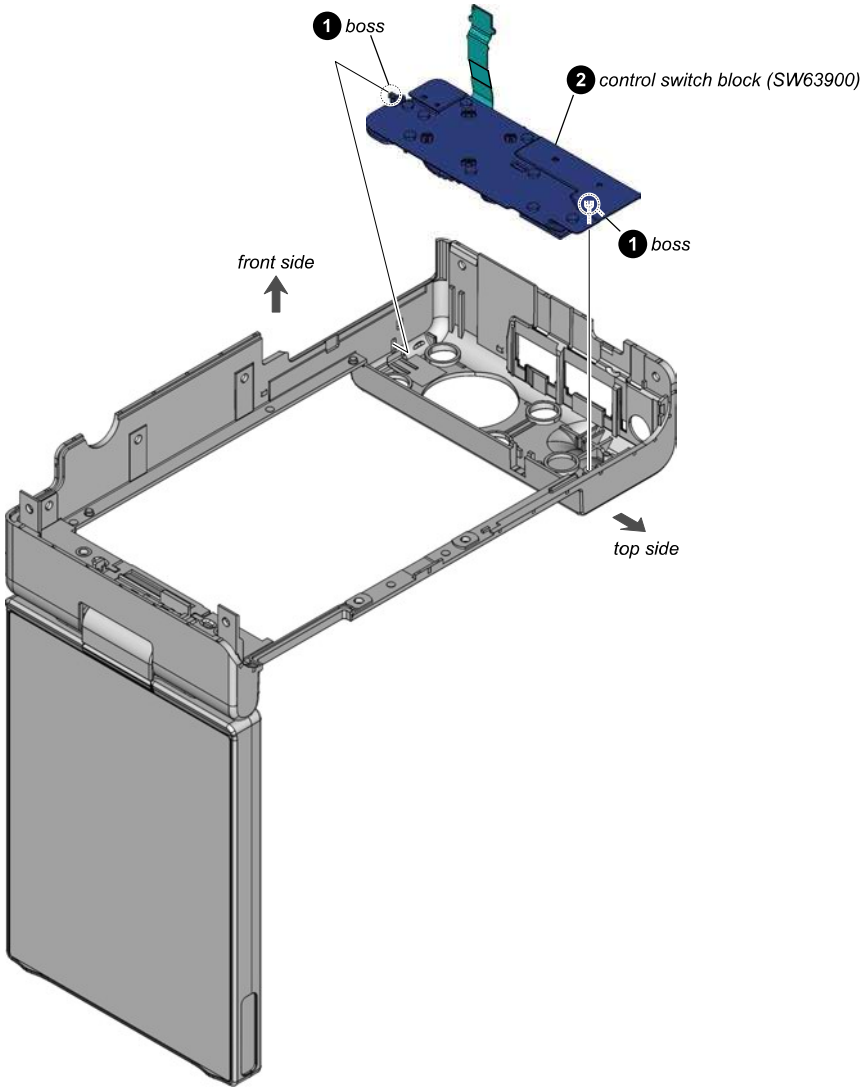
***Note 4:*** *This parts be not reused. Be sure to replace them with new parts.*



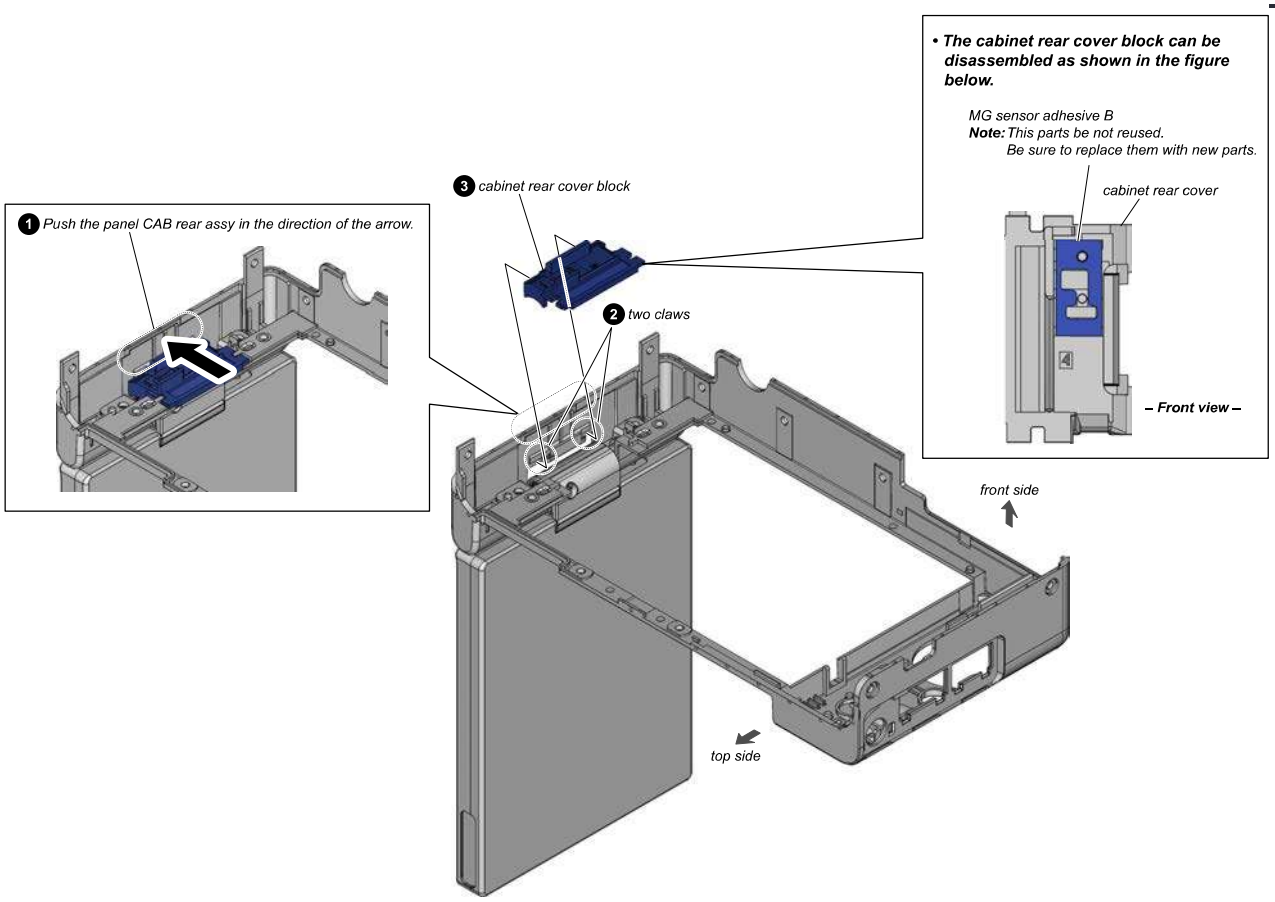
**– Front view –**



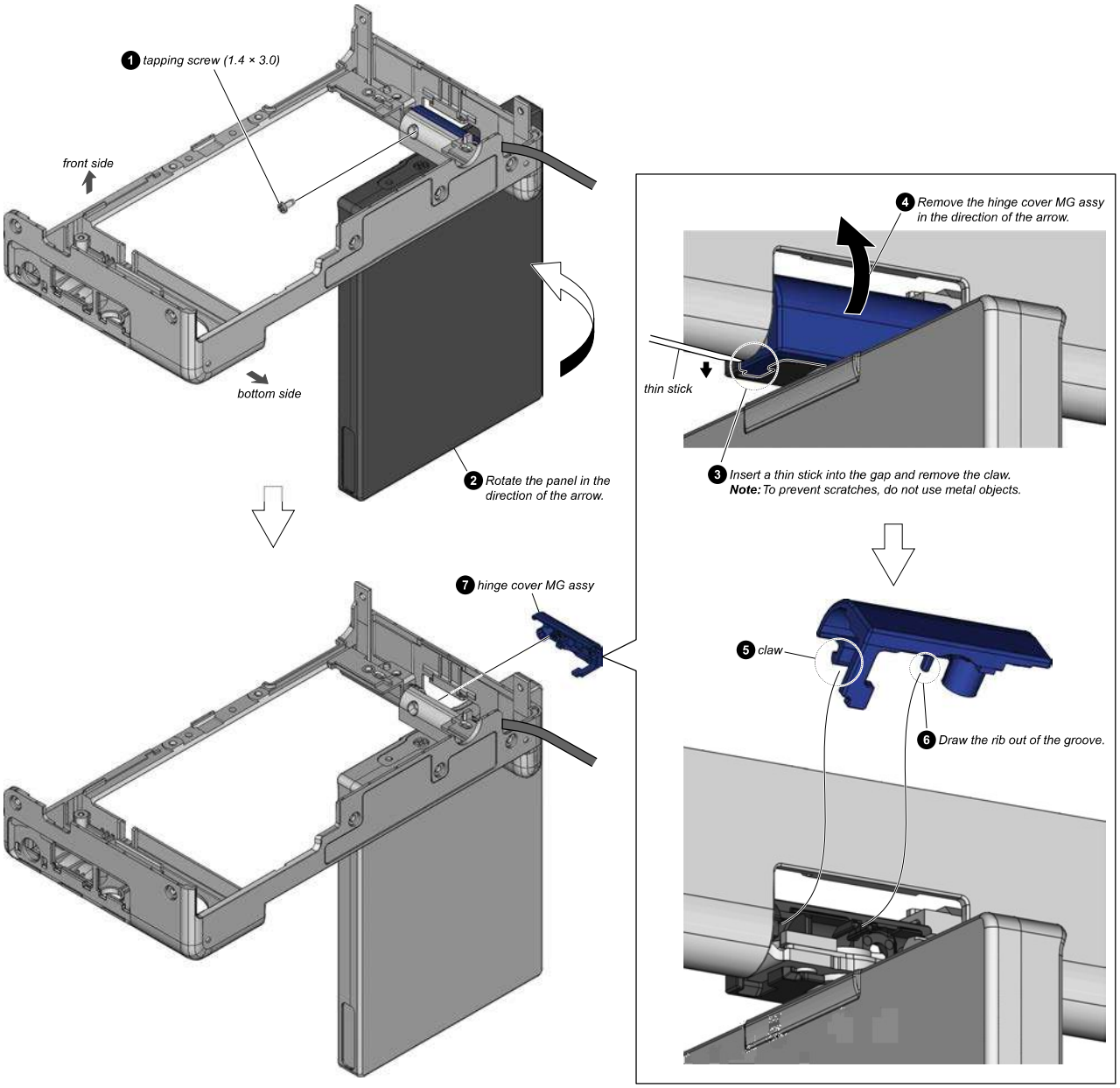
## 5. CONTROL SWITCH BLOCK (SW63900)

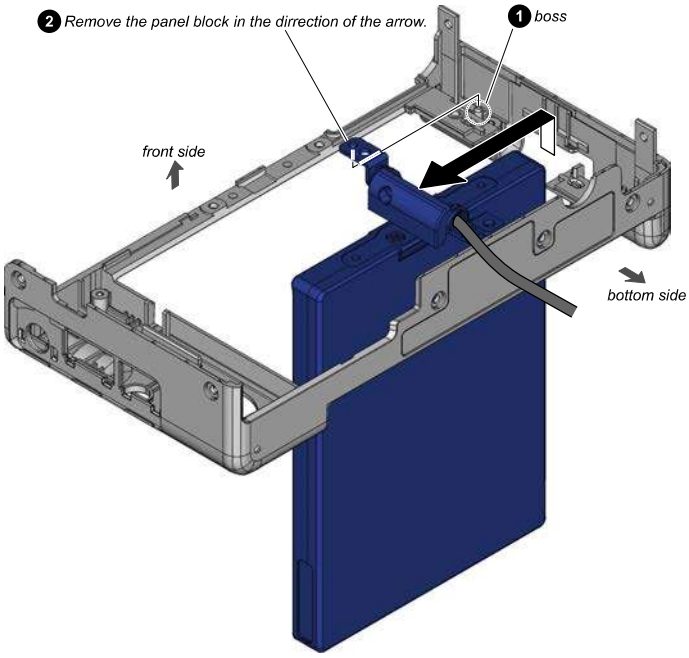


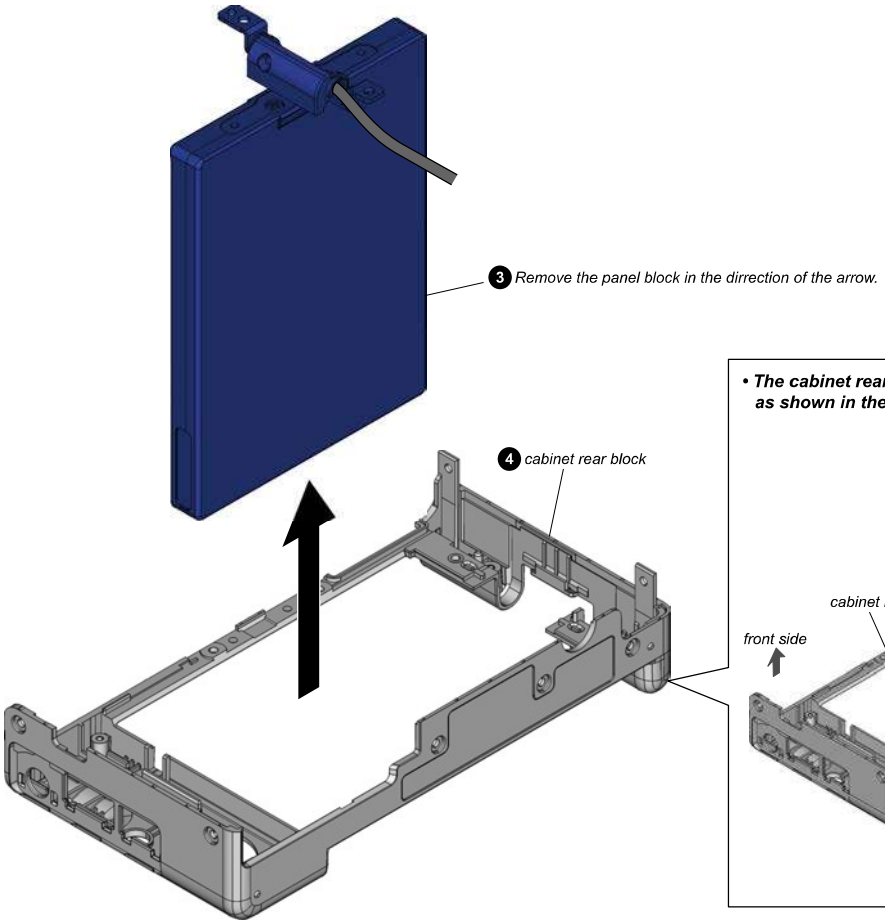
# 6. CABINET REAR COVER BLOCK



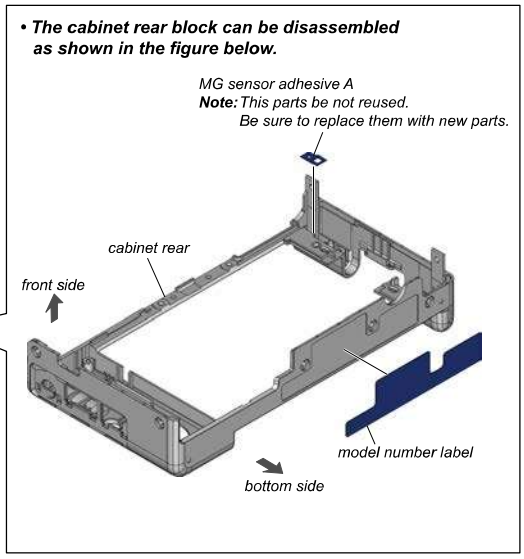
# 7. HINGE COVER MG ASSY

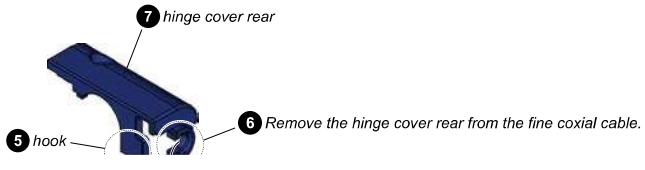


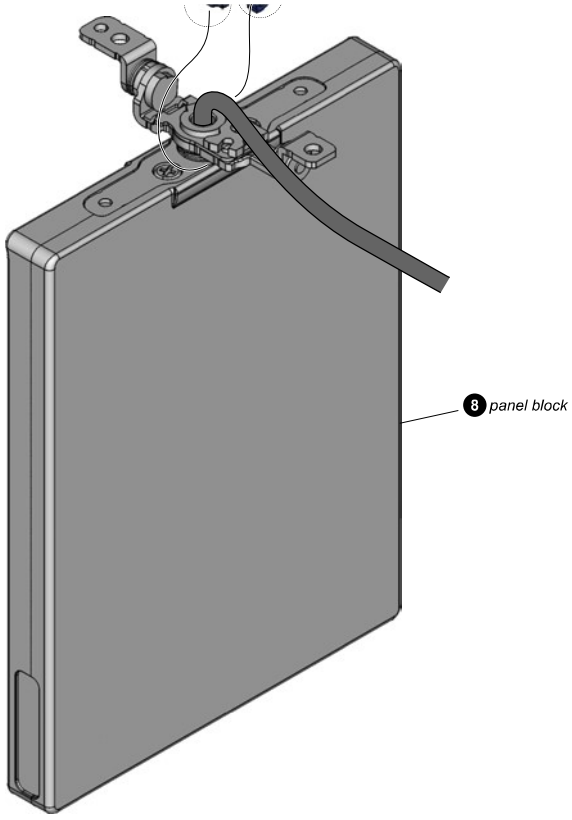


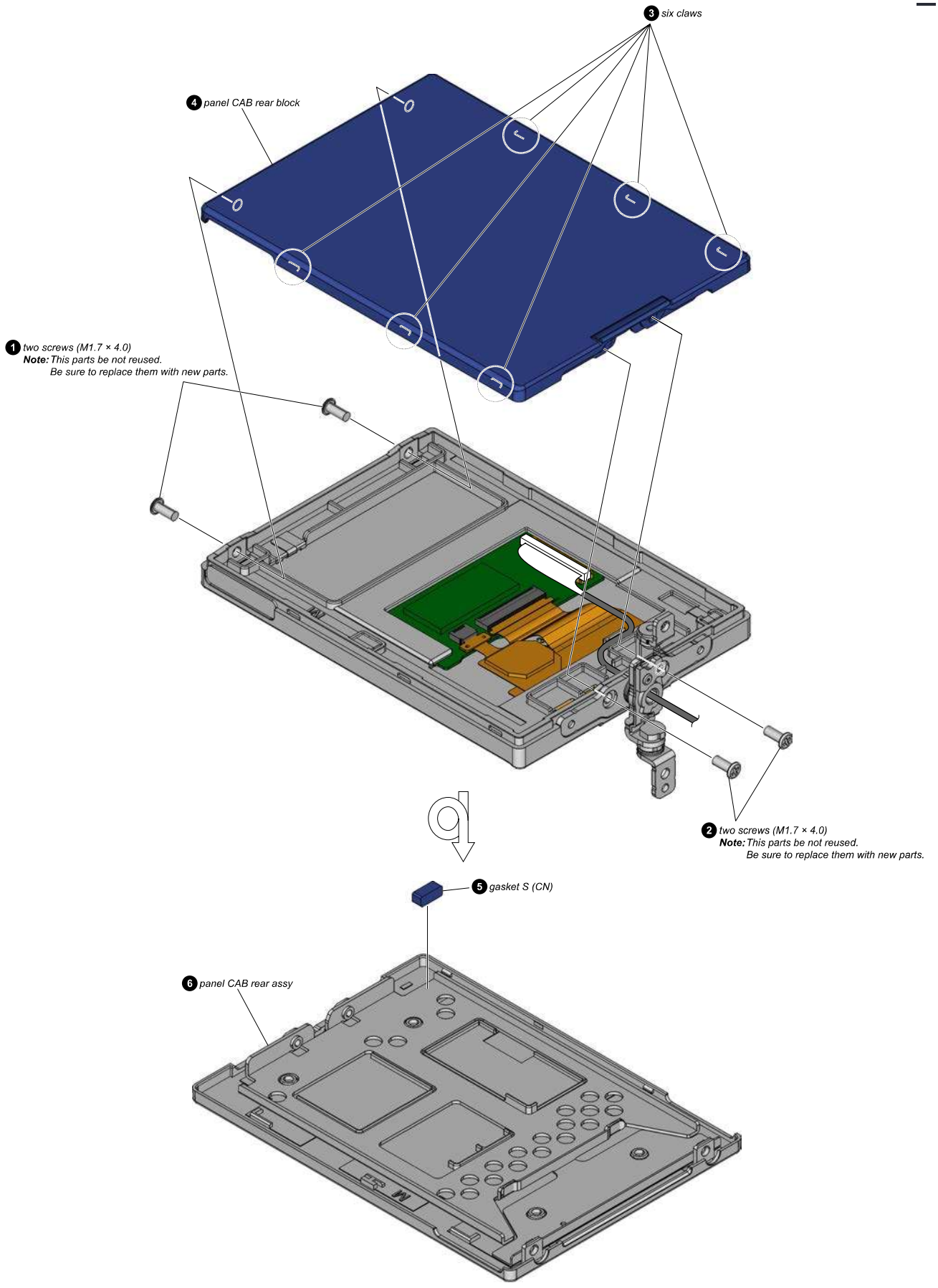

- ***The cabinet rear block can be disassembled as shown in the figure below.***

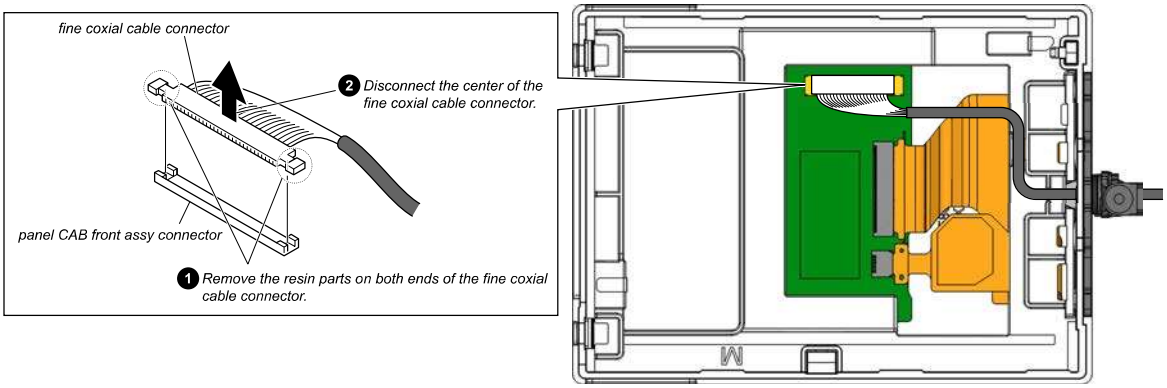


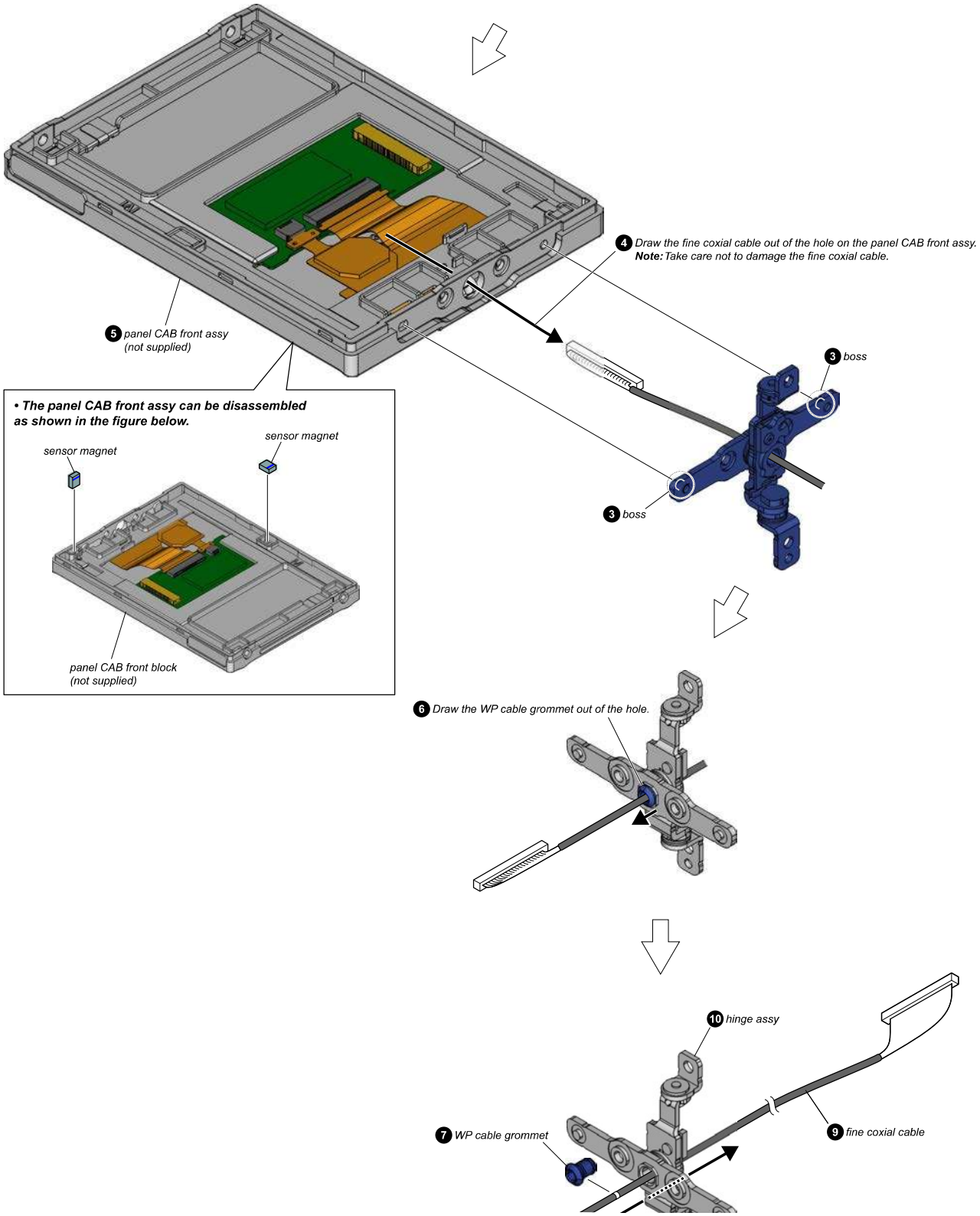



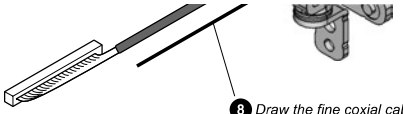

8 panel block

# 9. PANEL CAB REAR ASSY

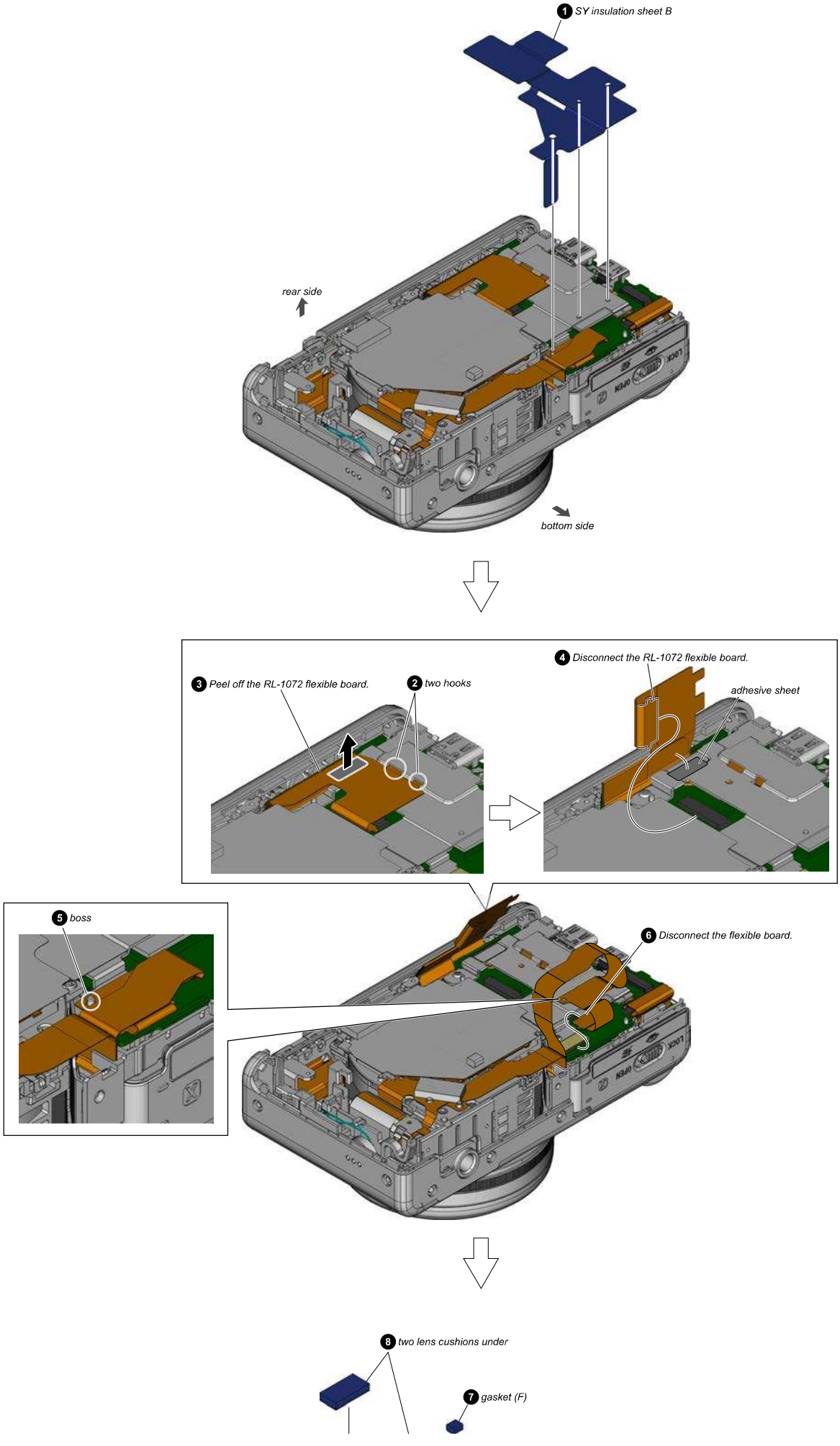


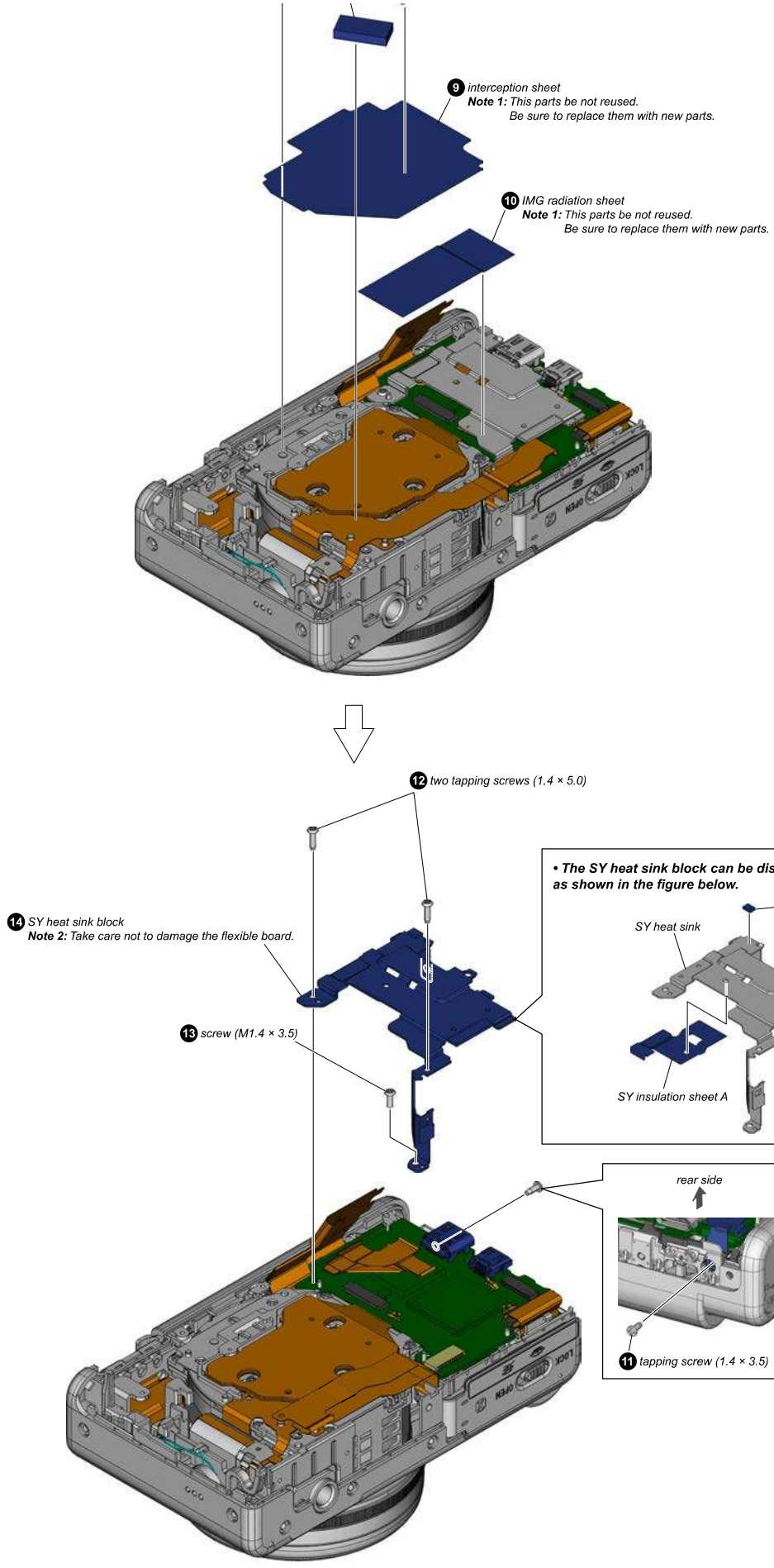

fine coxial cable connector
2 Disconnect the center of the fine coxial cable connector.
panel CAB front assy connector
1 Remove the resin parts on both ends of the fine coxial cable connector.


4 Draw the fine coxial cable out of the hole on the panel CAB front assy.
Note: Take care not to damage the fine coxial cable.
5 panel CAB front assy (not supplied)
3 boss
3 boss
• The panel CAB front assy can be disassembled as shown in the figure below.
sensor magnet
sensor magnet
panel CAB front block (not supplied)
6 Draw the WP cable grommet out of the hole.
10 hinge assy
9 fine coxial cable
7 WP cable grommet

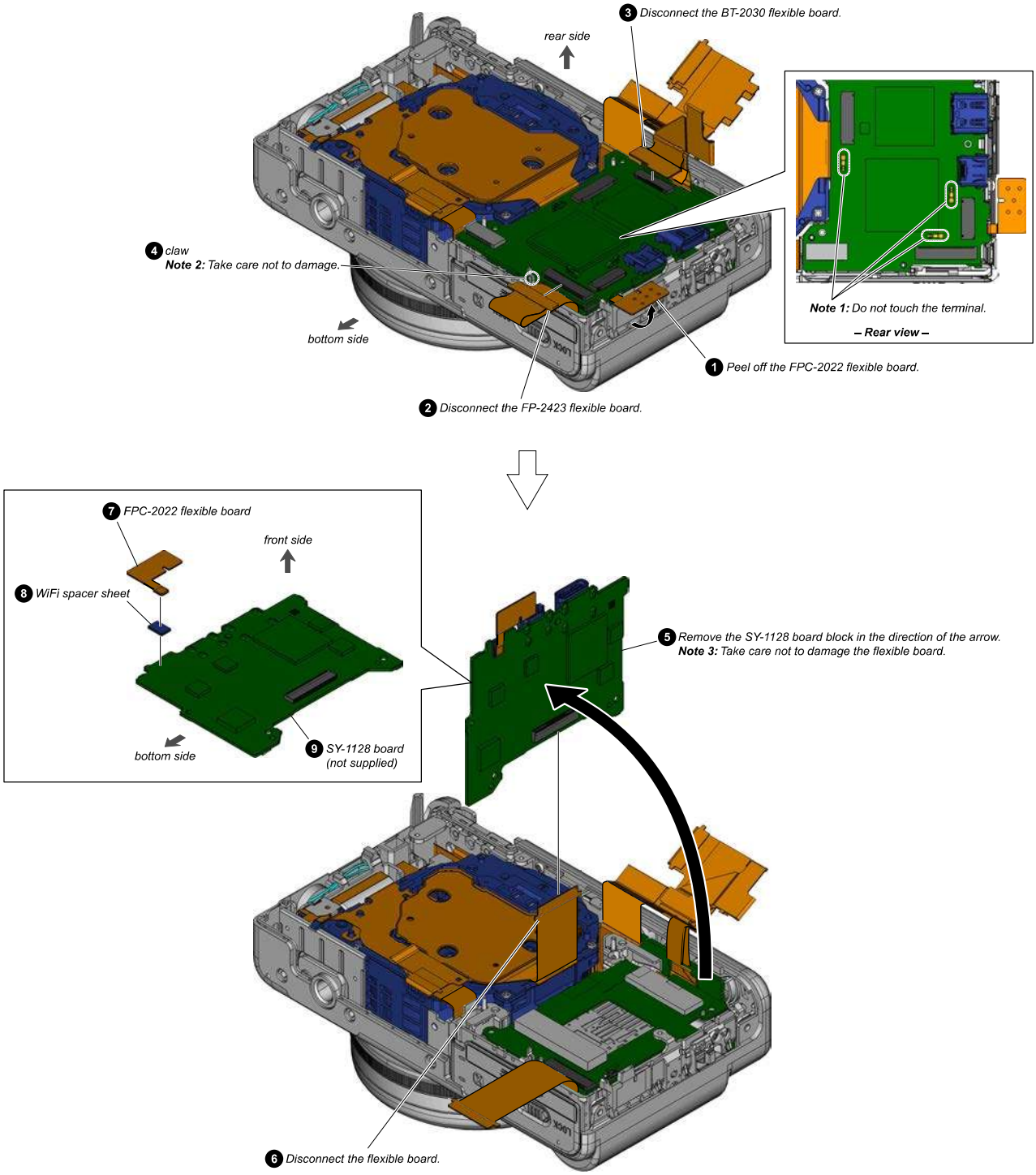


8 *Draw the fine coxial cable out of the hole on the hinge assy.*
***Note:*** *Take care not to damage the fine coxial cable.*

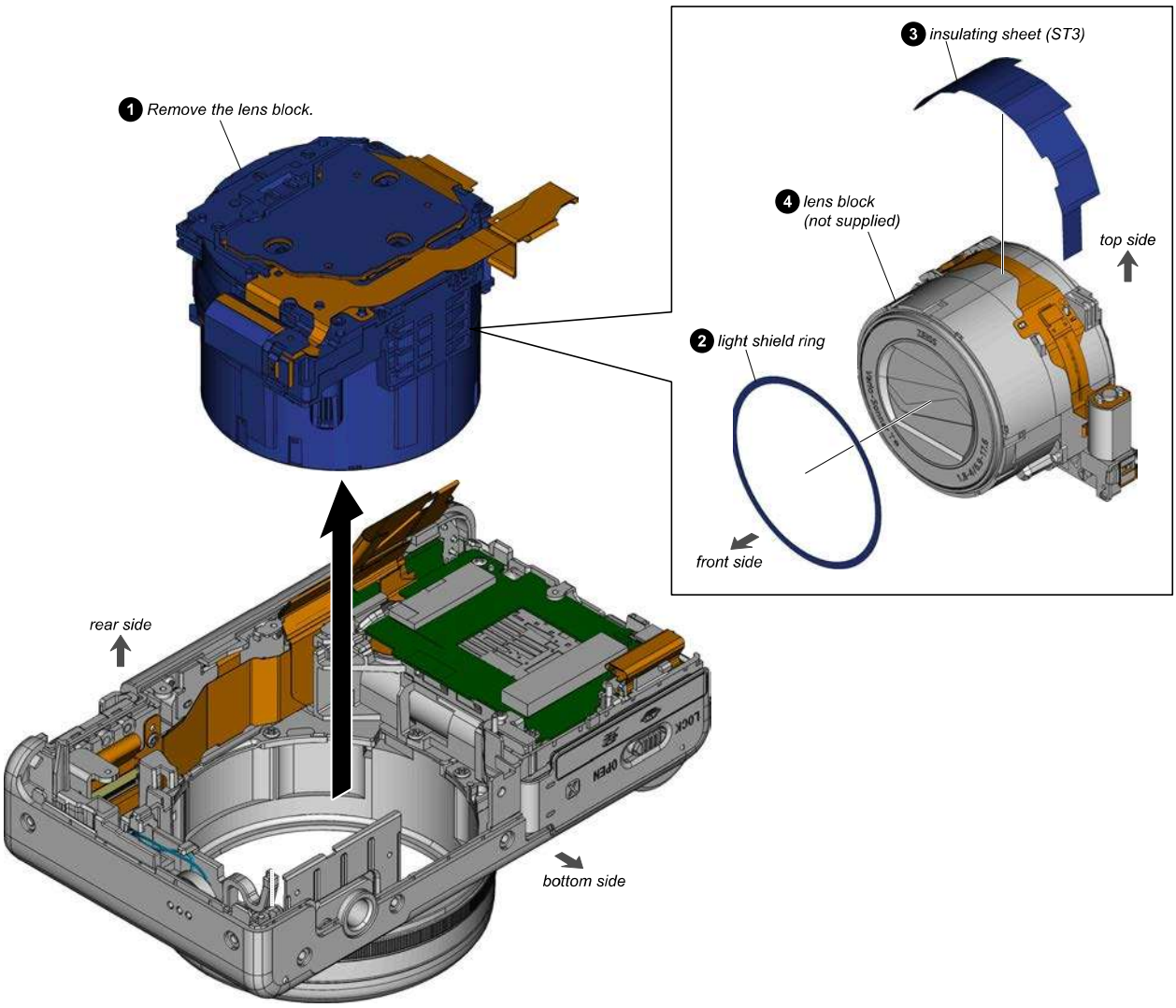

1 SY insulation sheet B
rear side
bottom side
3 Peel off the RL-1072 flexible board.
2 two hooks
4 Disconnect the RL-1072 flexible board.
adhesive sheet
5 boss
6 Disconnect the flexible board.
8 two lens cushions under
7 gasket (F)

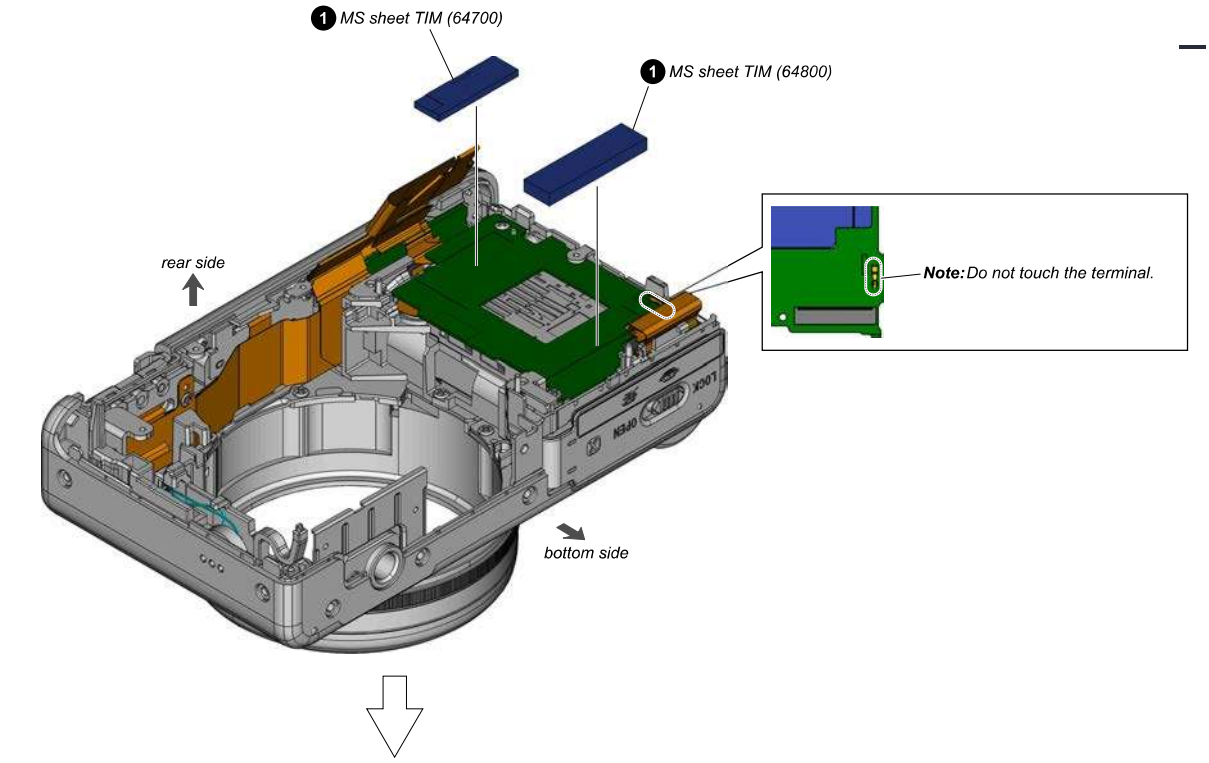

9 interception sheet
Note 1: This parts be not reused.
Be sure to replace them with new parts.
10 IMG radiation sheet
Note 1: This parts be not reused.
Be sure to replace them with new parts.
12 two tapping screws (1.4 × 5.0)
14 SY heat sink block
Note 2: Take care not to damage the flexible board.
13 screw (M1.4 × 3.5)
• The SY heat sink block can be disassembled as shown in the figure below.
gasket L
SY heat sink
SY insulation sheet A
SY sheet TIM
rear side
top side
11 tapping screw (1.4 × 3.5)

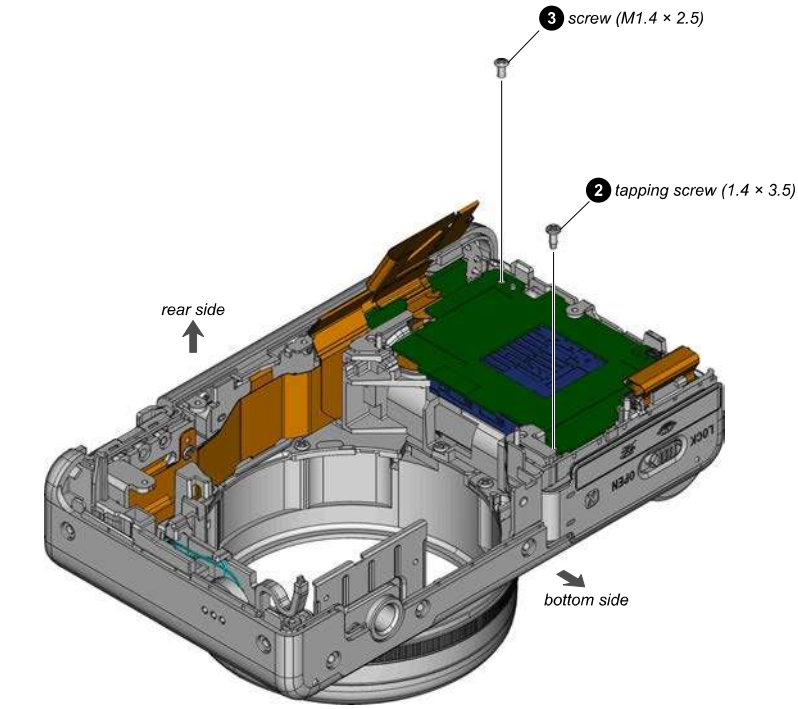
# 12. SY-1128 BOARD (not supplied)



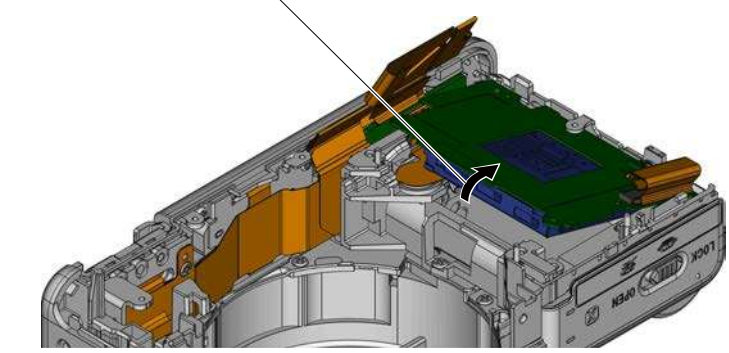
## 13. LENS BLOCK (not supplied)

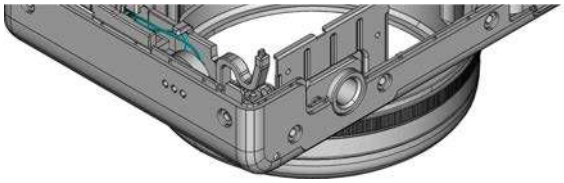




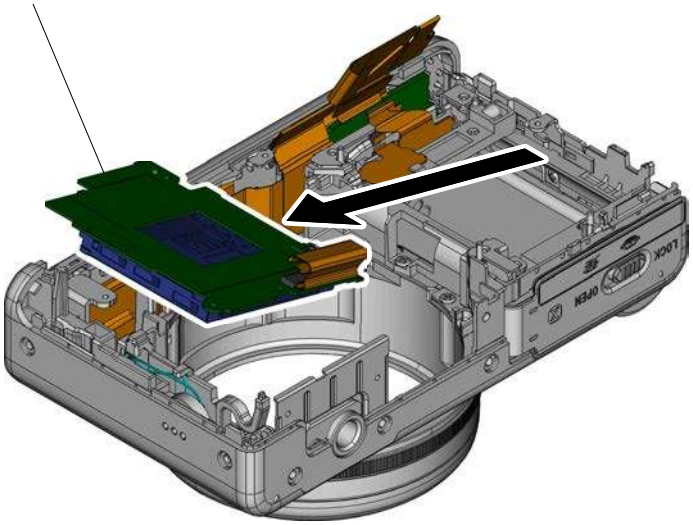

4 Lift up the MS-1041 board block in the direction of the arrow.



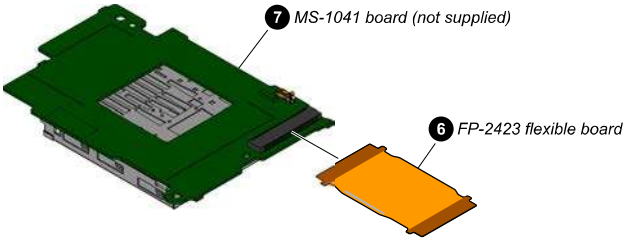


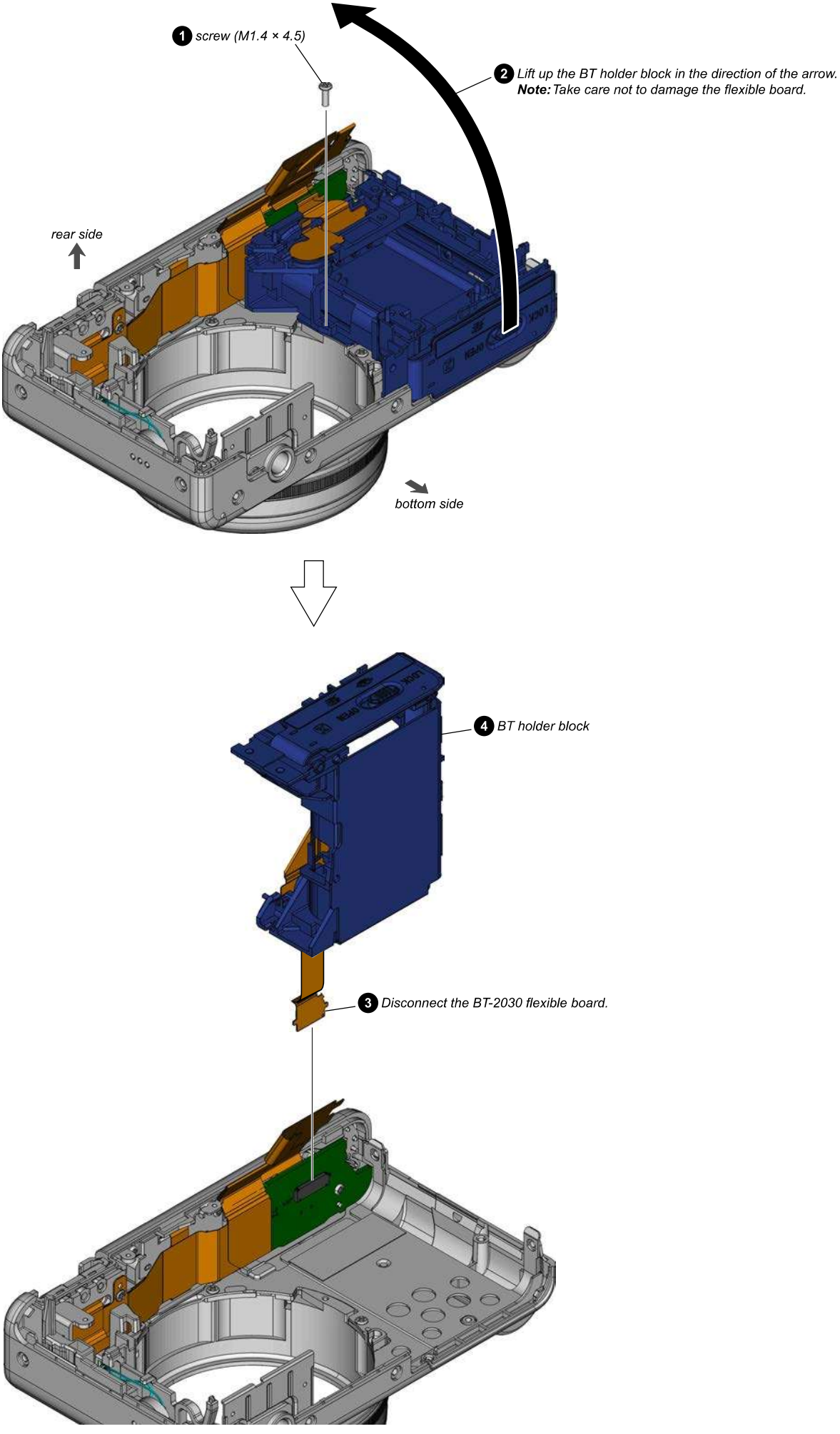


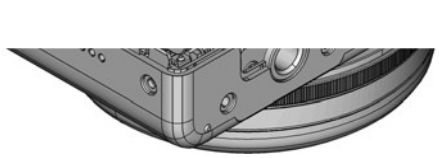
❺ *Remove the MS-1041 board block in the direction of the arrow.*

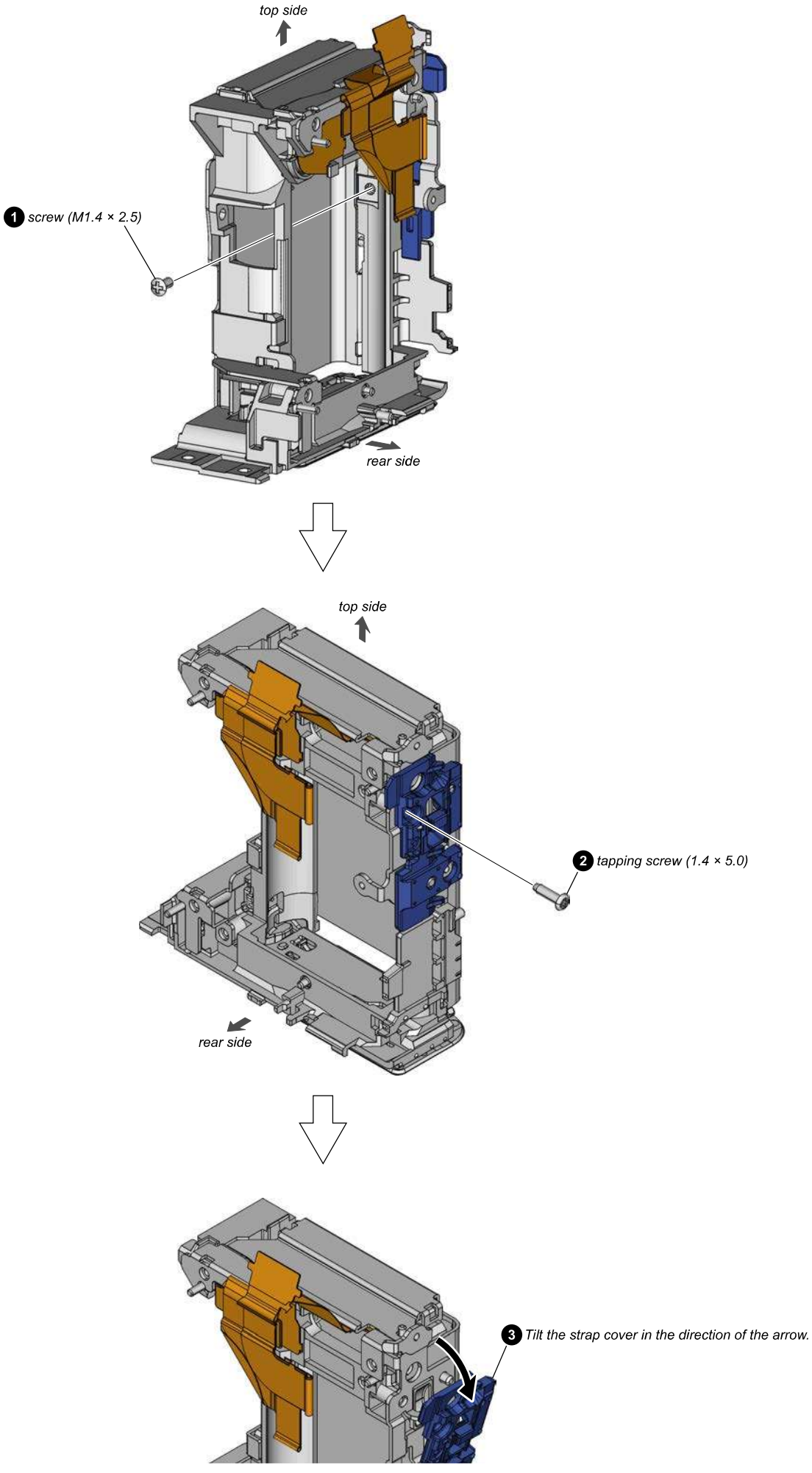


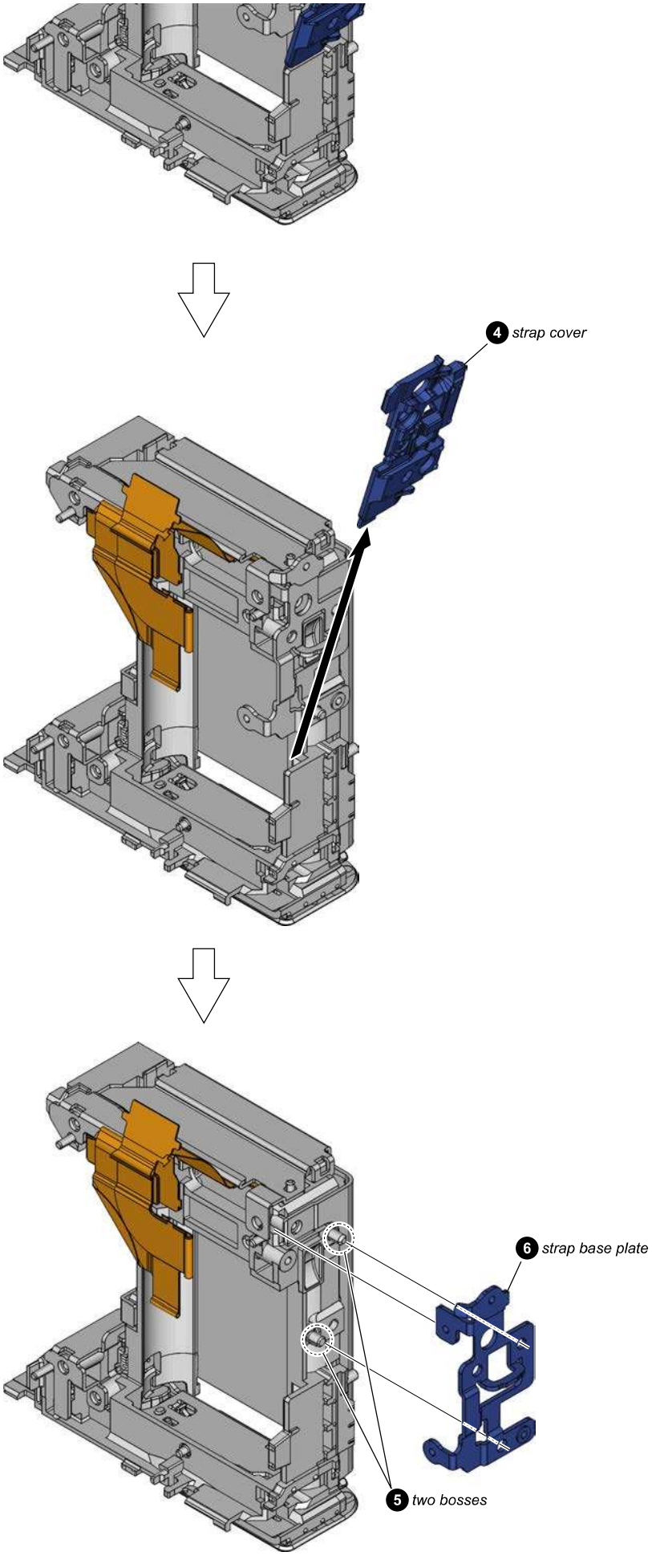


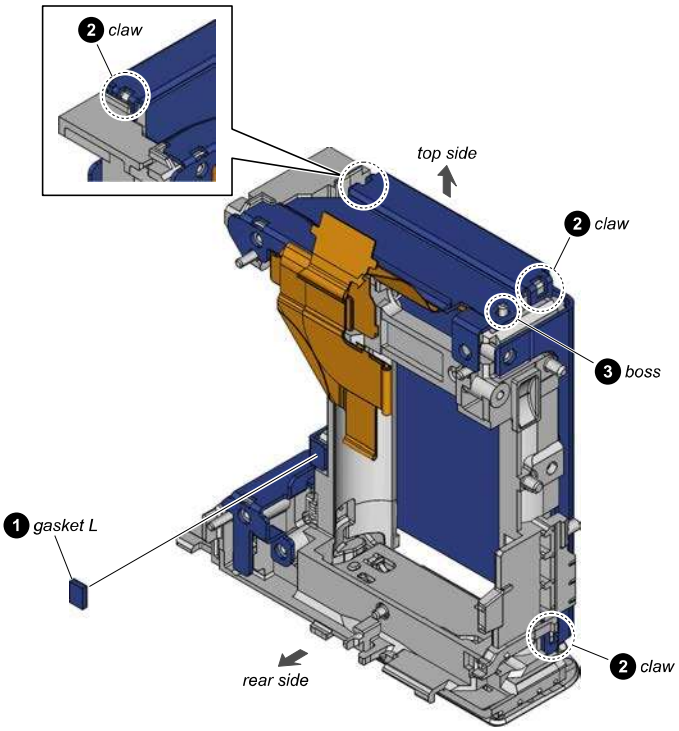



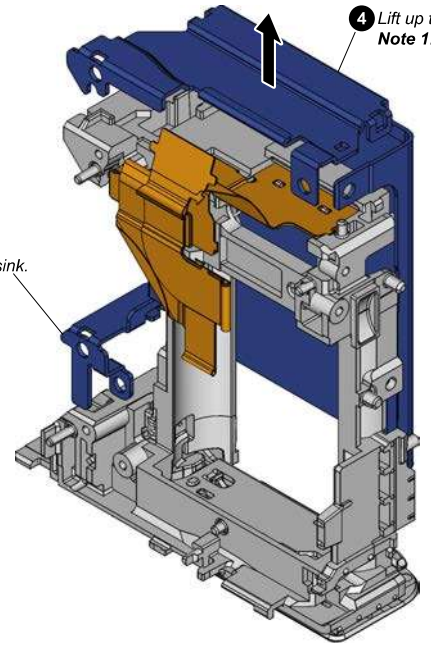

1 screw (M1.4 × 4.5)
2 Lift up the BT holder block in the direction of the arrow.
Note: Take care not to damage the flexible board.
rear side
bottom side
4 BT holder block
3 Disconnect the BT-2030 flexible board.

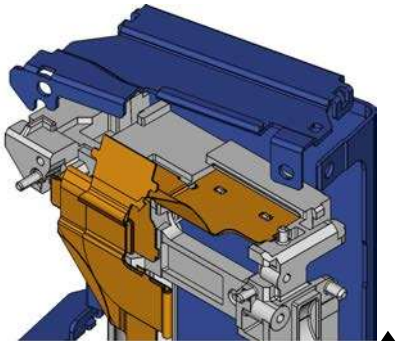


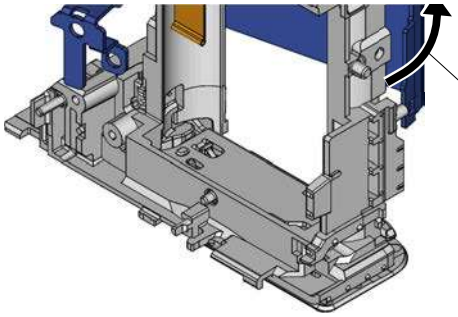

top side
1 screw (M1.4 × 2.5)
rear side
top side
2 tapping screw (1.4 × 5.0)
rear side
3 Tilt the strap cover in the direction of the arrow.


4 strap cover
6 strap base plate
5 two bosses

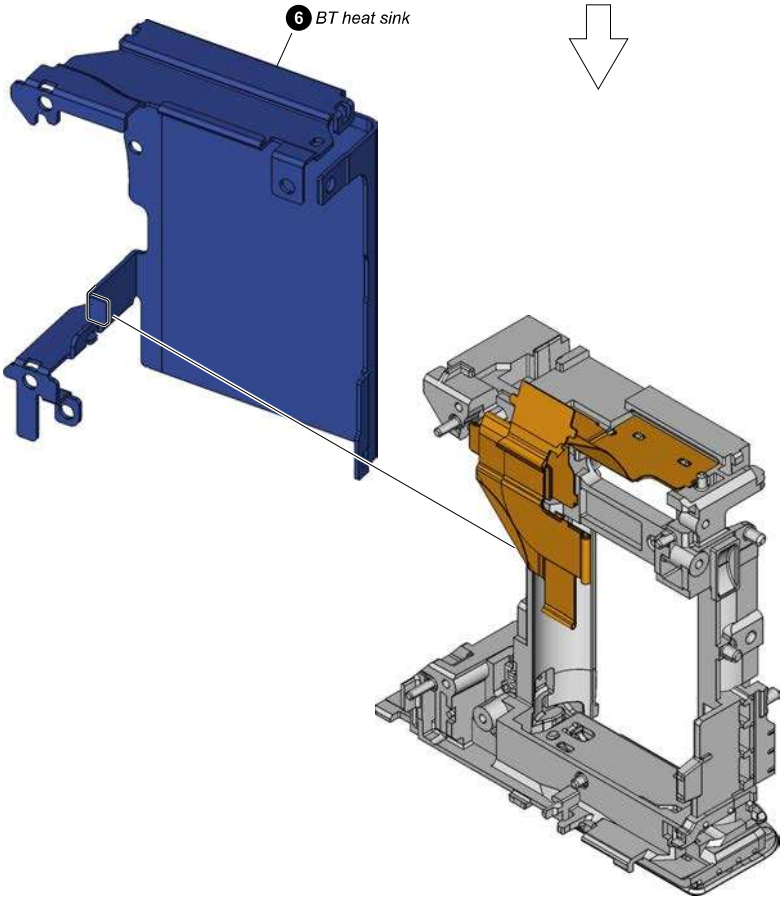

2 claw
top side
2 claw
3 boss
1 gasket L
2 claw
rear side


4 Lift up the BT heat sink in the direction of the arrow.
Note 1: Take care not to damage the flexible board.
Note 2: Be careful not to deform the BT heat sink.

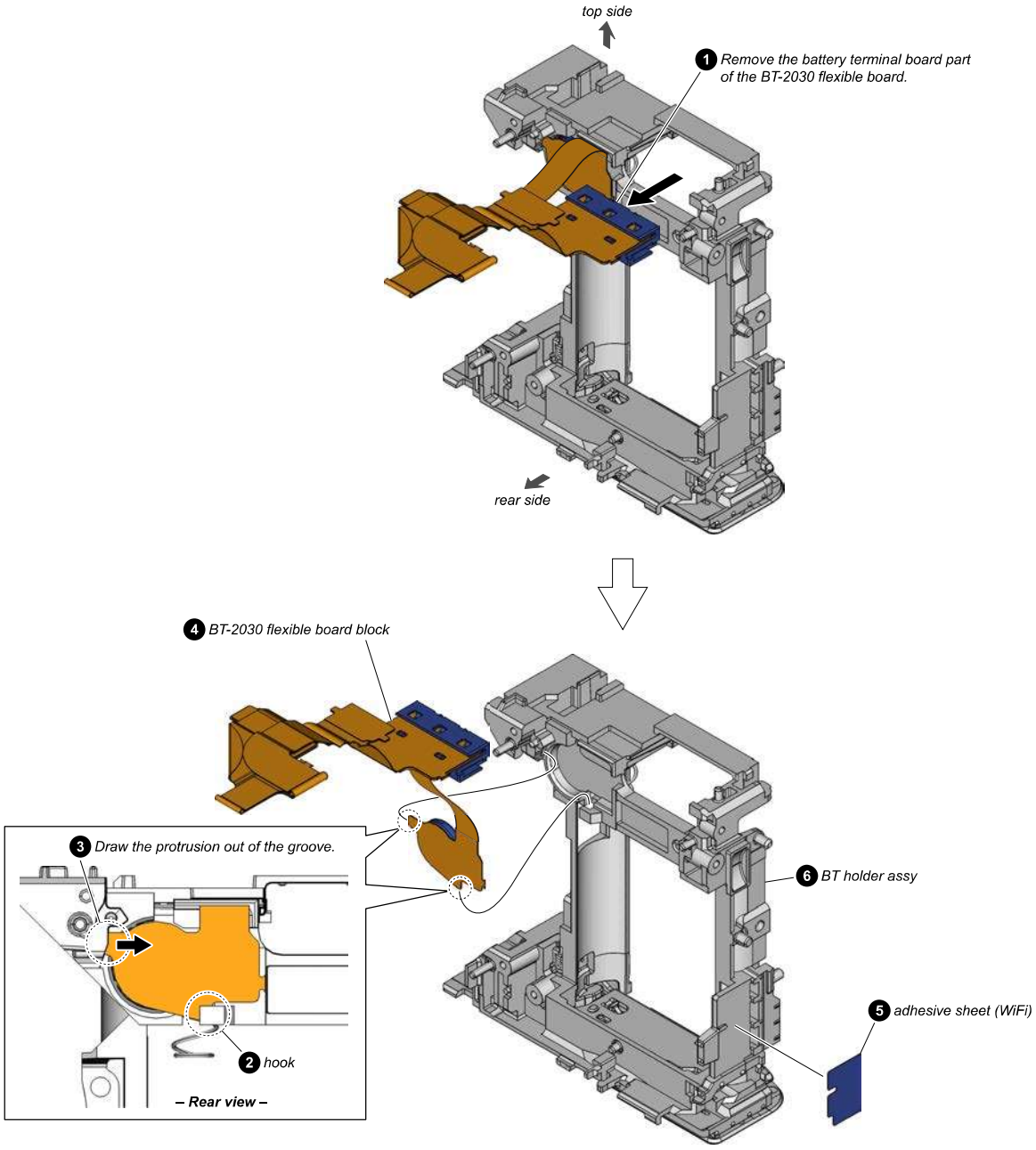


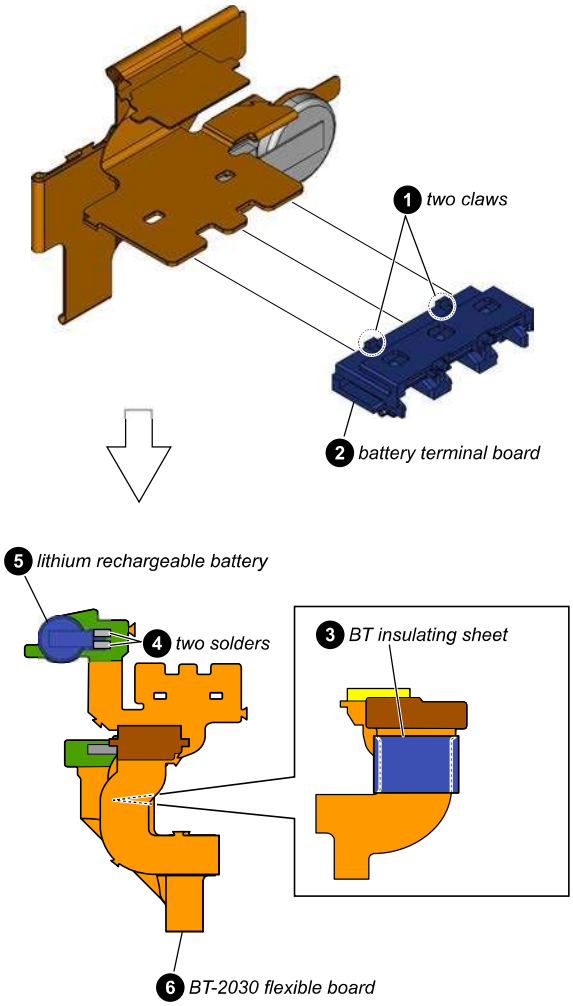


5 *Remove the BT heat sink in the direction of the arrow.*

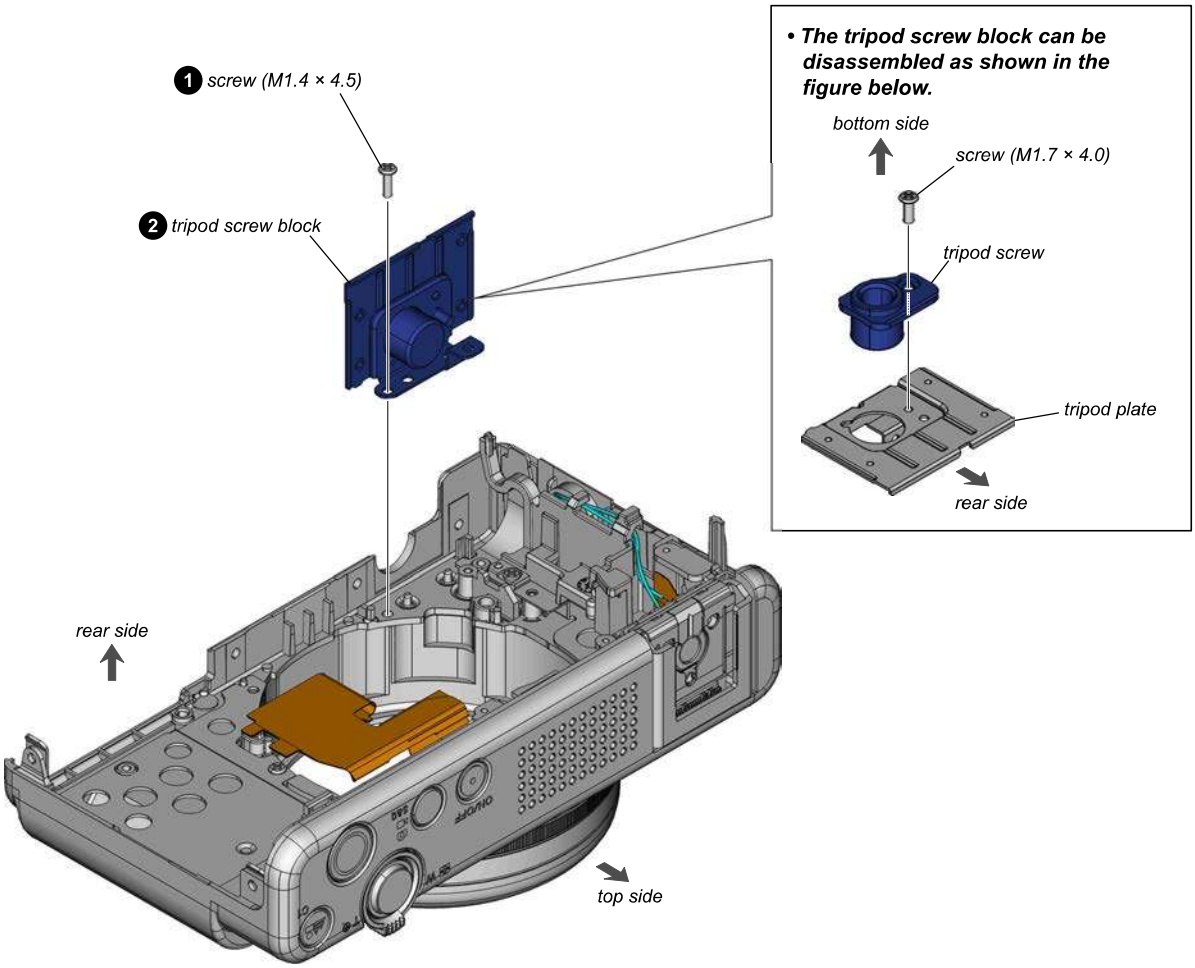


# 18. BT HOLDER ASSY

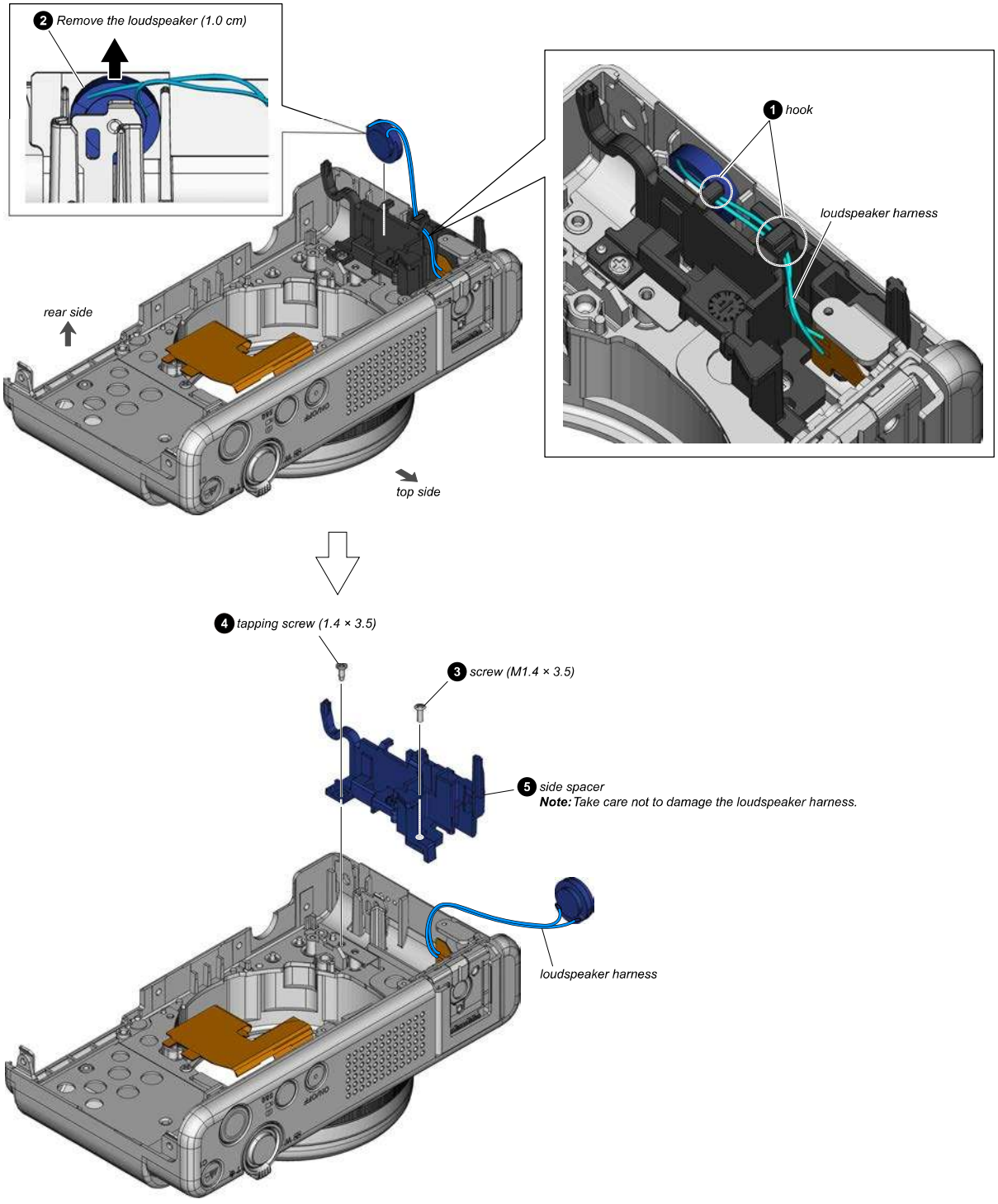



1 two claws
2 battery terminal board
5 lithium rechargeable battery
4 two solders
3 BT insulating sheet
6 BT-2030 flexible board

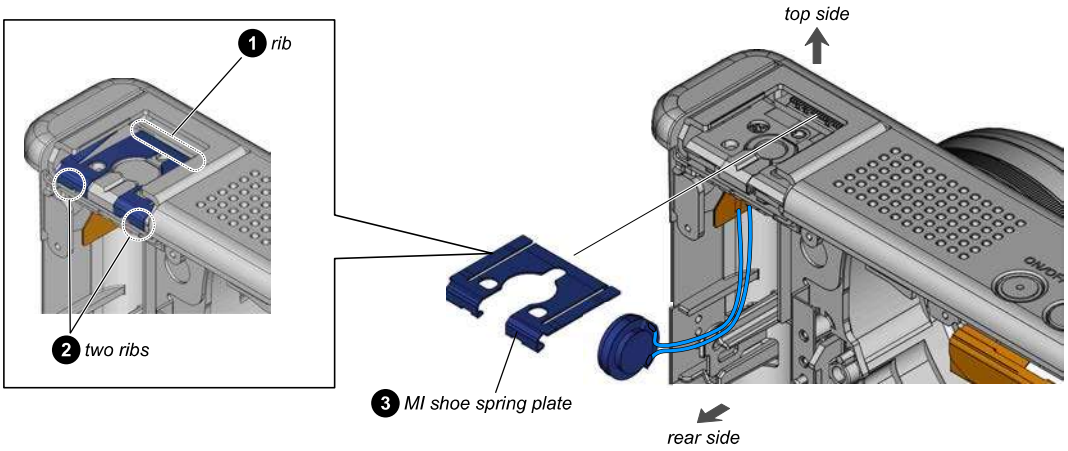
# 20. TRIPOD SCREW BLOCK



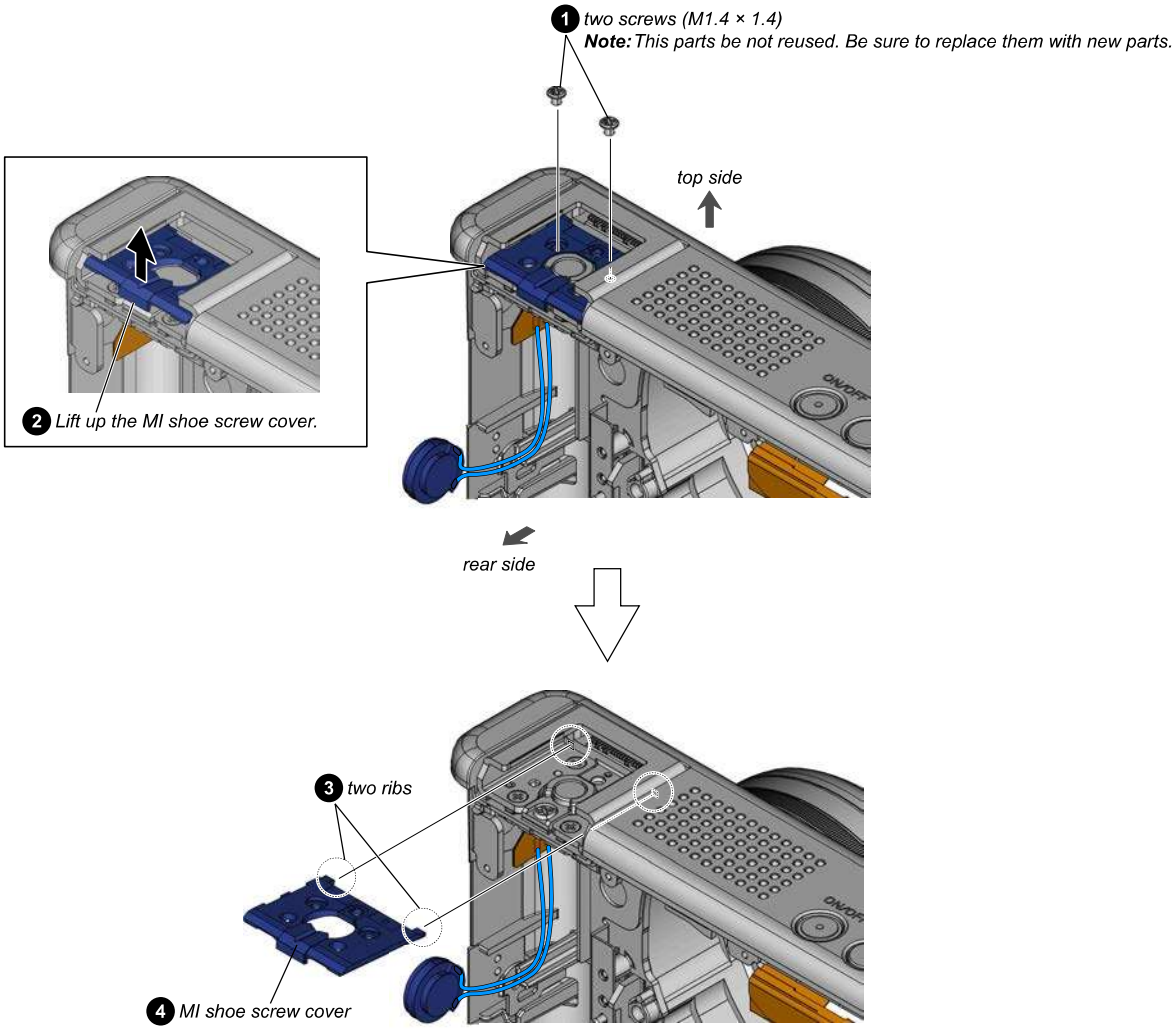
# 21. SIDE SPACER

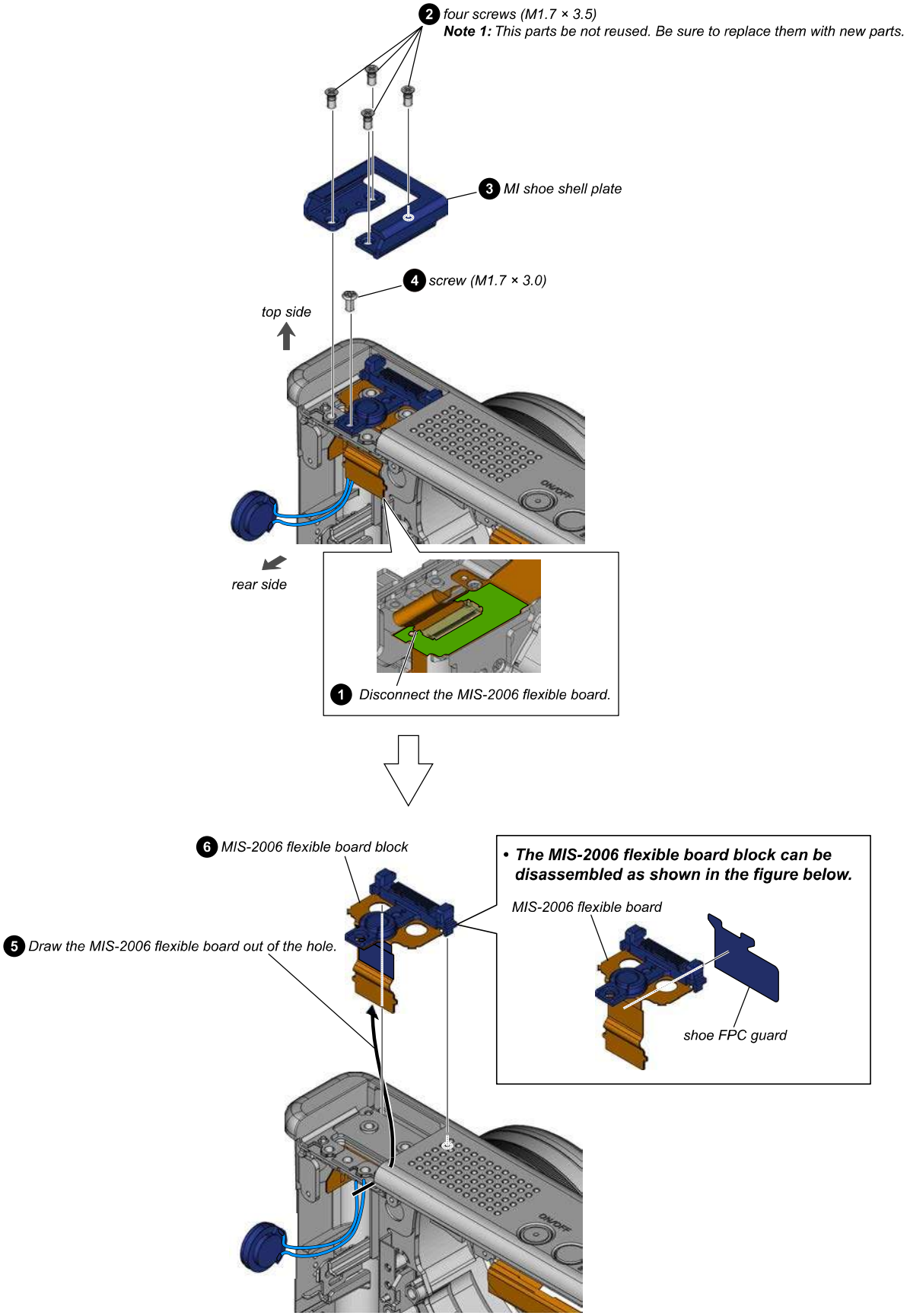


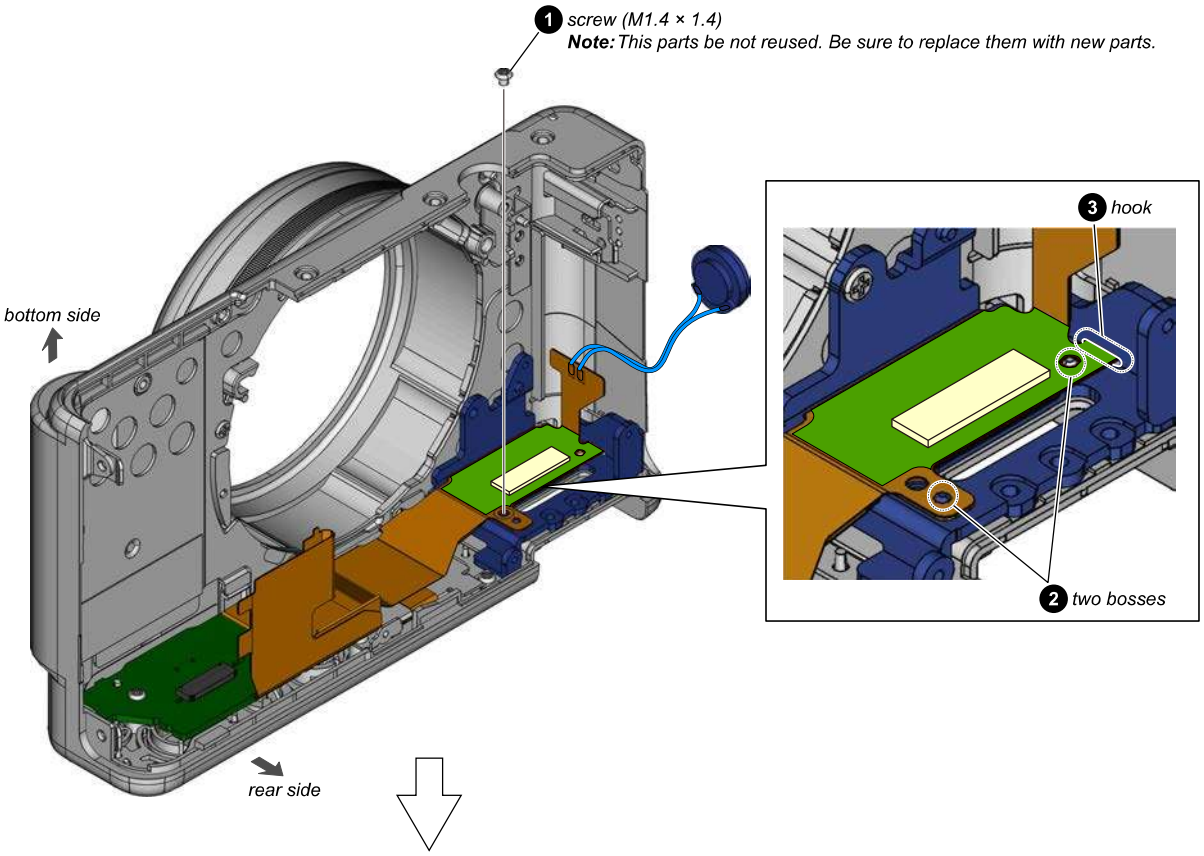
# 22. MI SHOE SPRING PLATE

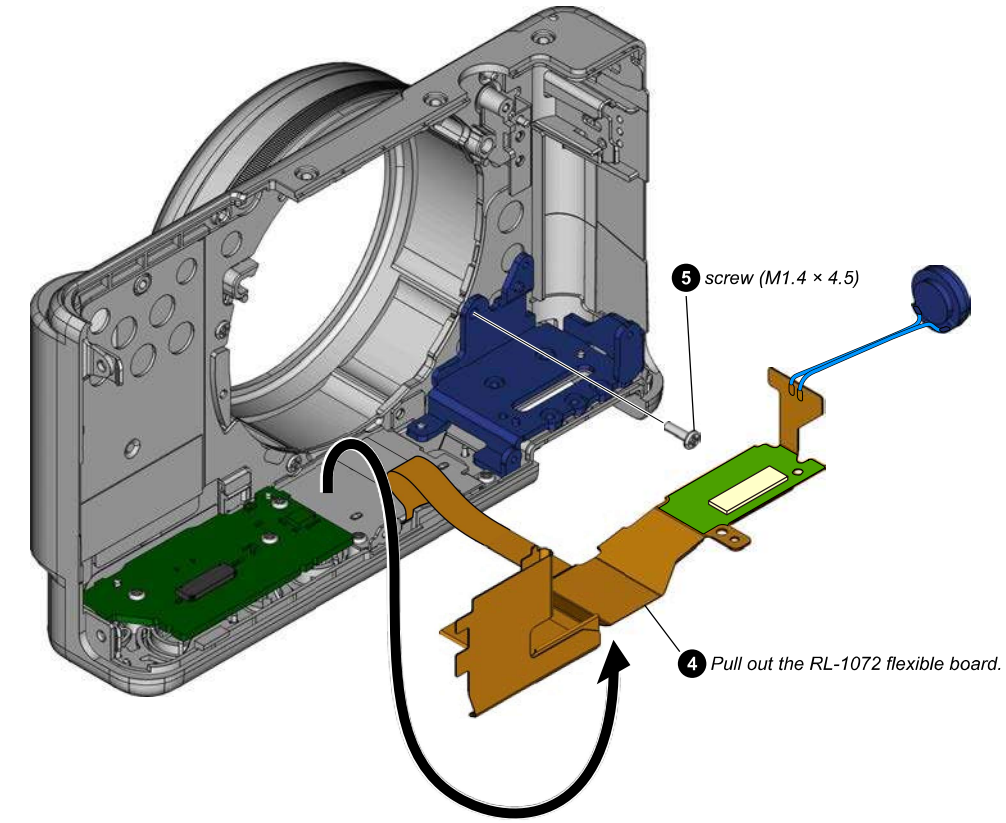


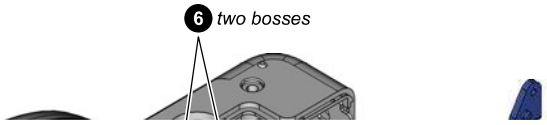
# 23. MI SHOE SCREW COVER

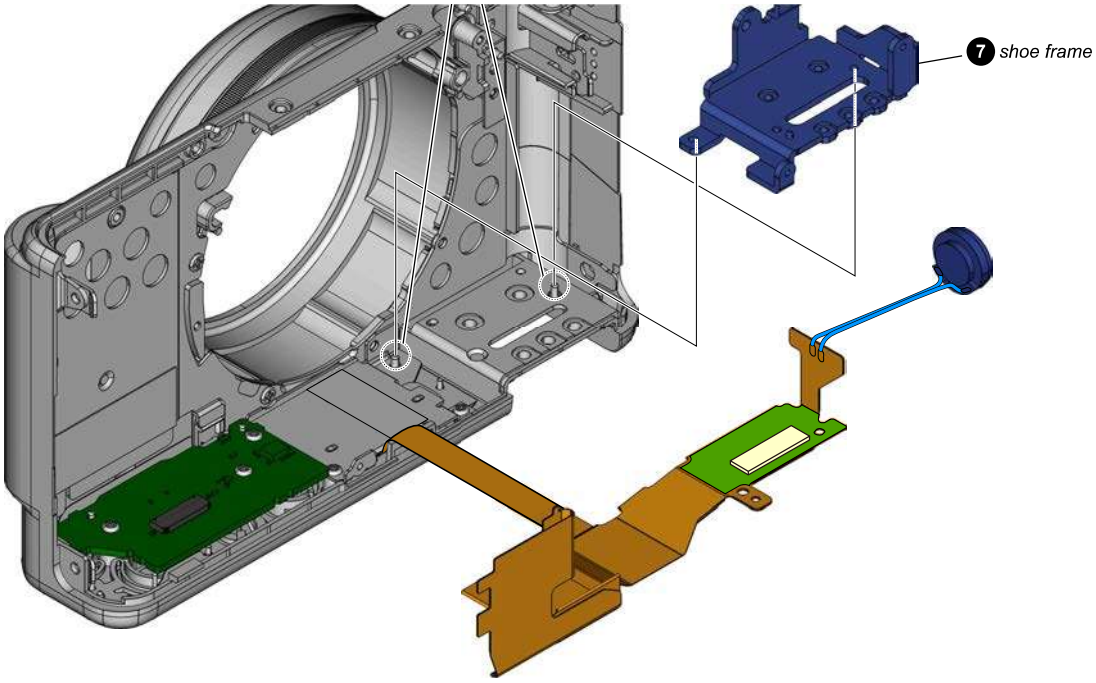



2 four screws (M1.7 × 3.5)
Note 1: This parts be not reused. Be sure to replace them with new parts.
3 MI shoe shell plate
4 screw (M1.7 × 3.0)
top side
rear side
1 Disconnect the MIS-2006 flexible board.
6 MIS-2006 flexible board block
5 Draw the MIS-2006 flexible board out of the hole.
• The MIS-2006 flexible board block can be disassembled as shown in the figure below.
MIS-2006 flexible board
shoe FPC guard

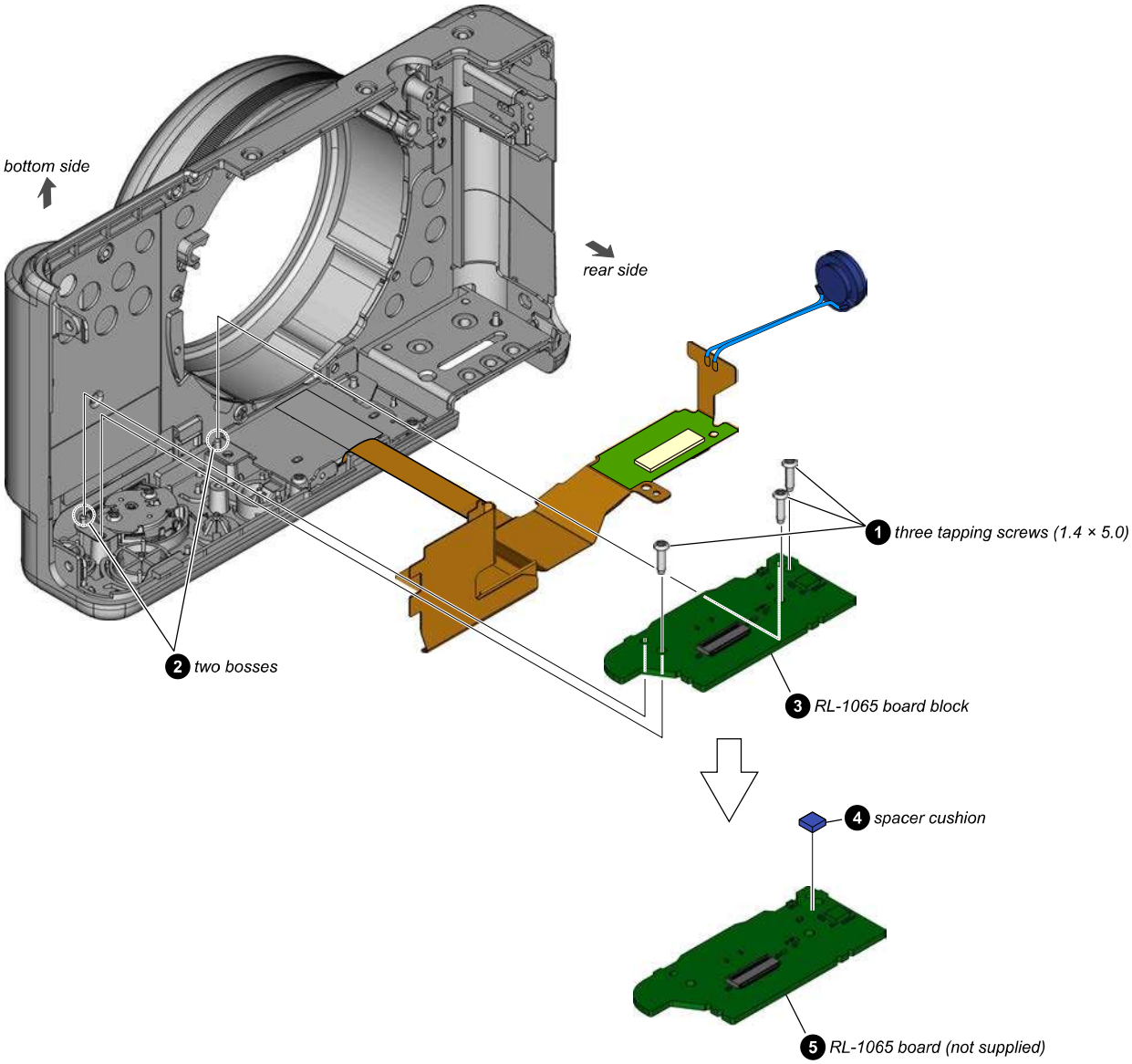

1 screw (M1.4 × 1.4)
Note: This parts be not reused. Be sure to replace them with new parts.
bottom side
rear side
3 hook
2 two bosses

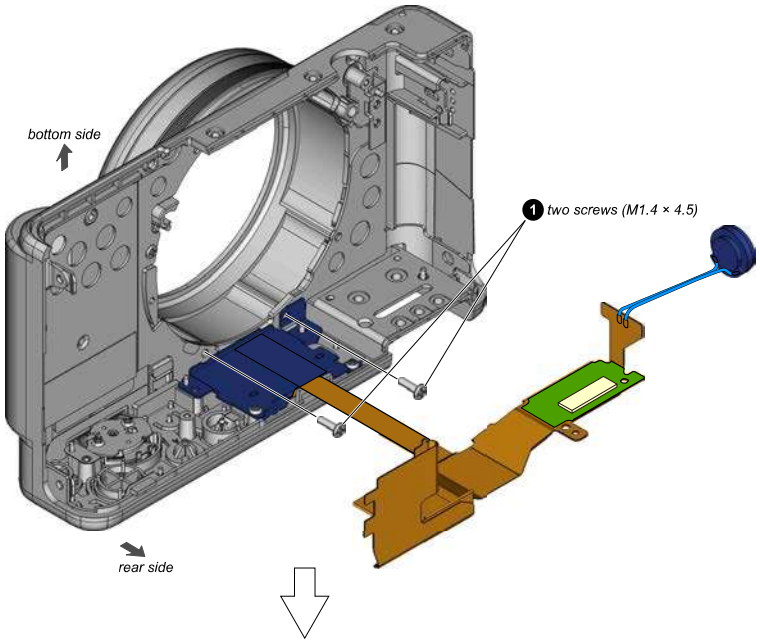

5 screw (M1.4 × 4.5)
4 Pull out the RL-1072 flexible board.

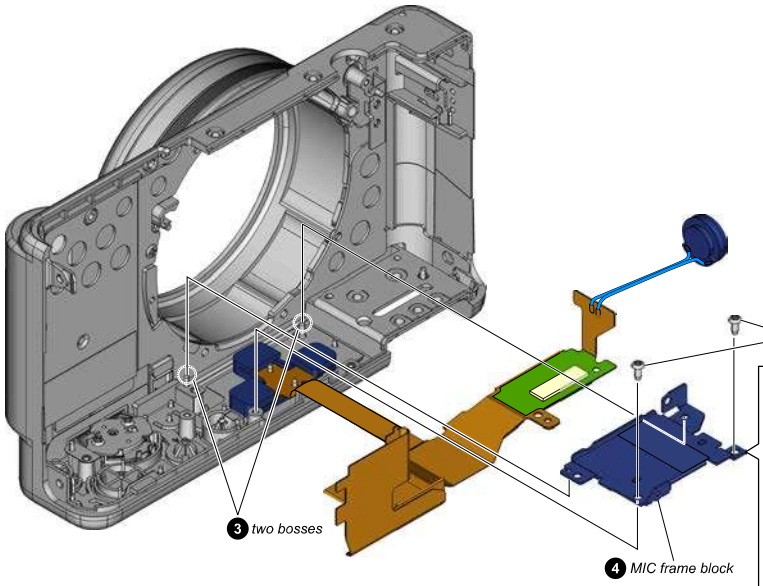

6 two bosses


7 shoe frame

# 26. RL-1065 BOARD (not supplied)

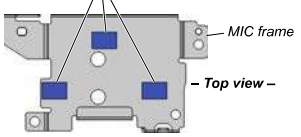


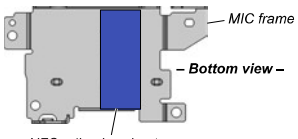


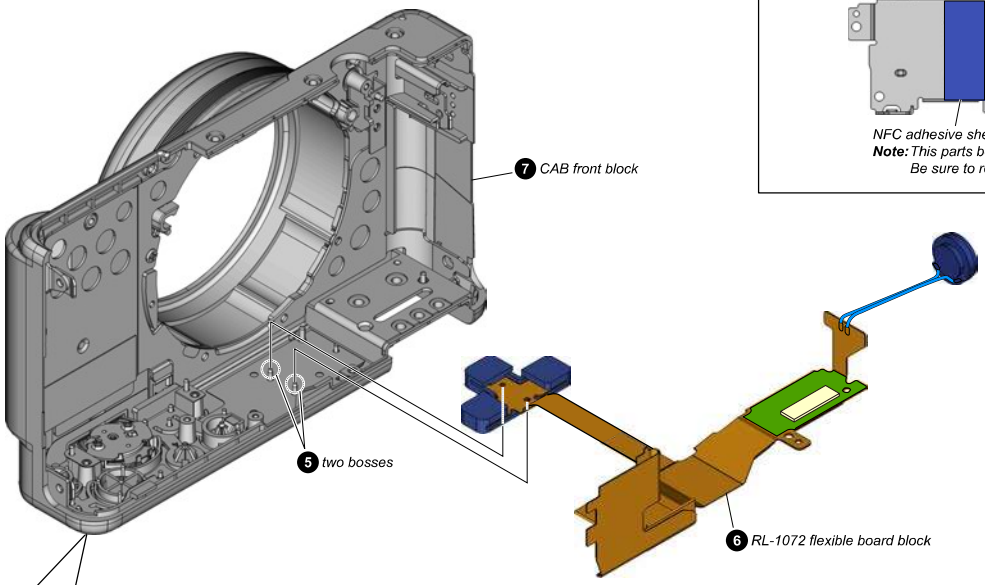

**• The MIC frame block can be disassembled as shown in the figure below.**

*three WiFi spacer sheets*
***Note:*** *This parts be not reused.*
*Be sure to replace them with new parts.*



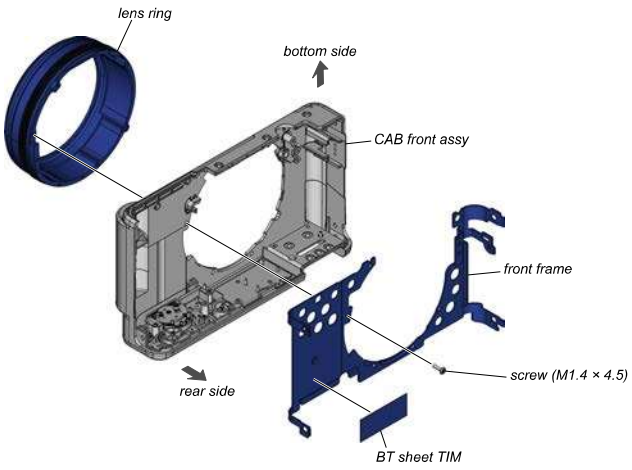




*NFC adhesive sheet*
***Note:*** *This parts be not reused.*
*Be sure to replace them with new parts.*

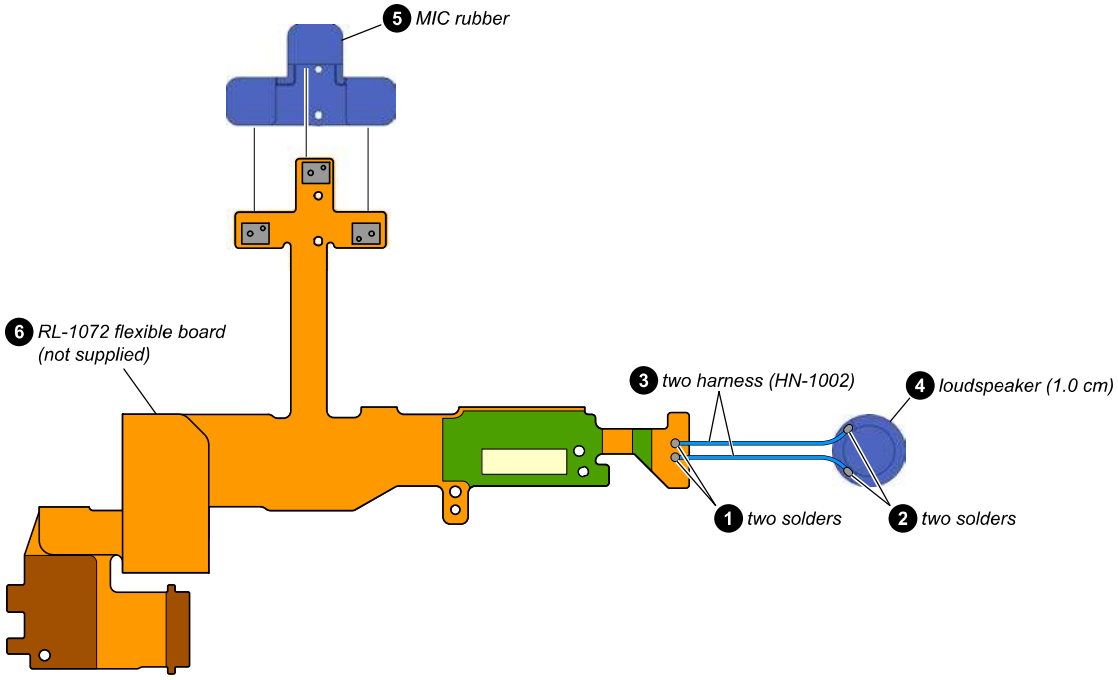



**• The CAB front block can be disassembled**

***as shown in the figure below.***



## 28. RL-1072 FLEXIBLE BOARD (not supplied)



# ASSEMBLY

## OPERATION NOTES

Make sure that the conductive side of a flexible board does not have any stain or foreign materials.

Do not touch the conductive side of flexible boards with bare hands.

Plug in a flexible board straight, fully into the connector until it reaches the end inside. (Fig. 1, Fig. 2, Fig. 3)

| OK<br>(The flexible board was plugged in straight and completely) | NG<br>(The flexible board was plugged in crooked) | NG<br>(The flexible board was not plugged in completely) |
|---|---|---|

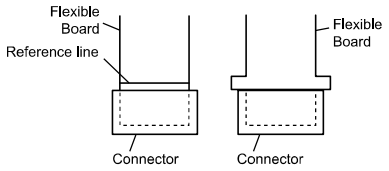



**Fig. 1**

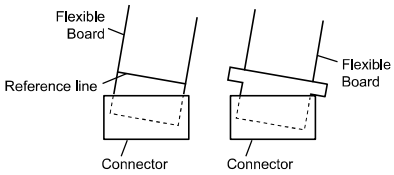



**Fig. 2**

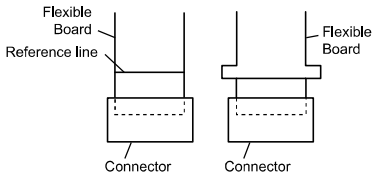
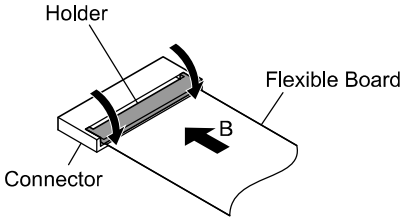


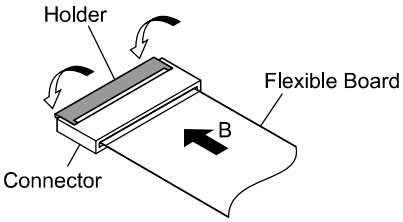

**Fig. 3**

When closing the connector's holder, press it evenly while pushing a flexible board in direction B.

Type 1

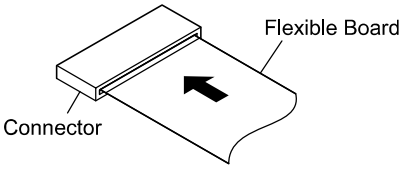



Type 2



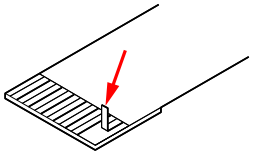

When installing the connector (without holder), plug in a flexible board straight until it stops.

Type 3




Plugged in straight and completely.

- Make sure that the flat cable and flexible board are not cracked or bent at the contact end.
- If the terminal is cracked or came off, replace it.



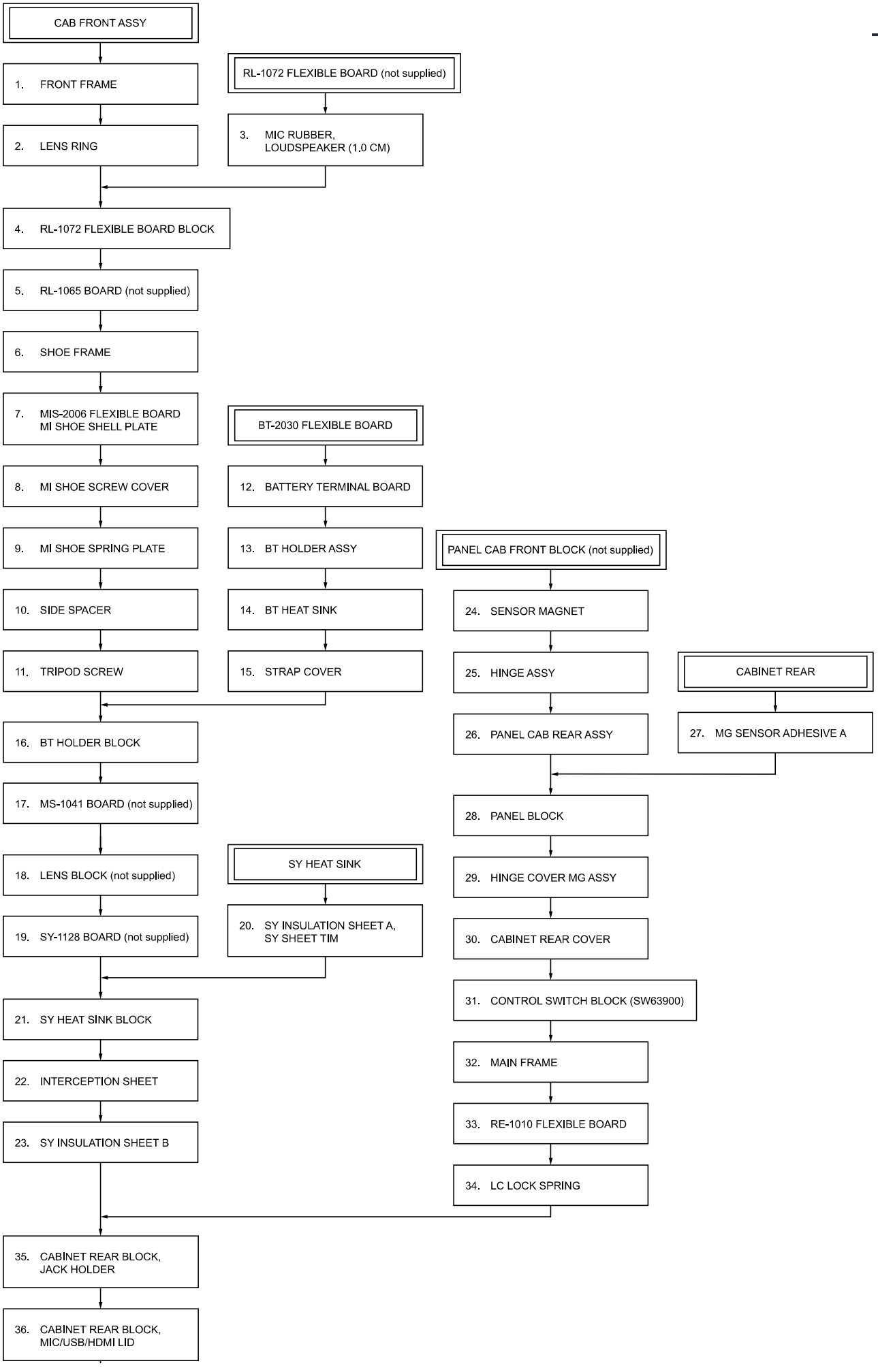
- Do not apply excessive force to the gilded flexible board.
- The proper way to disconnect a connector is to grab the connector instead of the wires. If you pull on the wires, they might be broken.

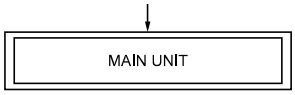
## SERVICE TOOLS

| Display | Use | Part No. |
|---|---|---|
| *ADHESIVE (243)* | ADHESIVE (243) 50ML BLU | 760004201 |

## ASSEMBLY FLOW

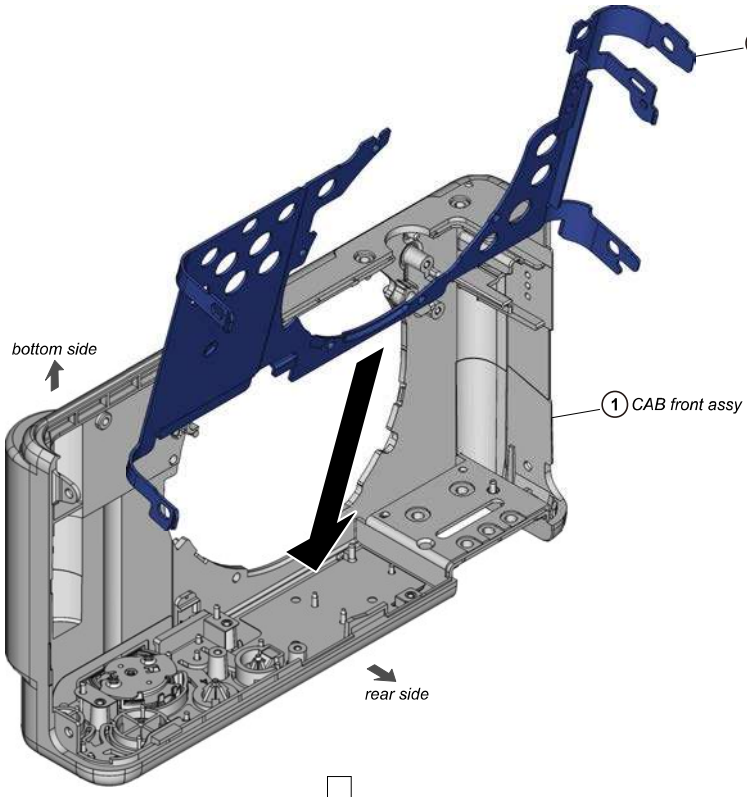
This set can be assembled in the order shown below.

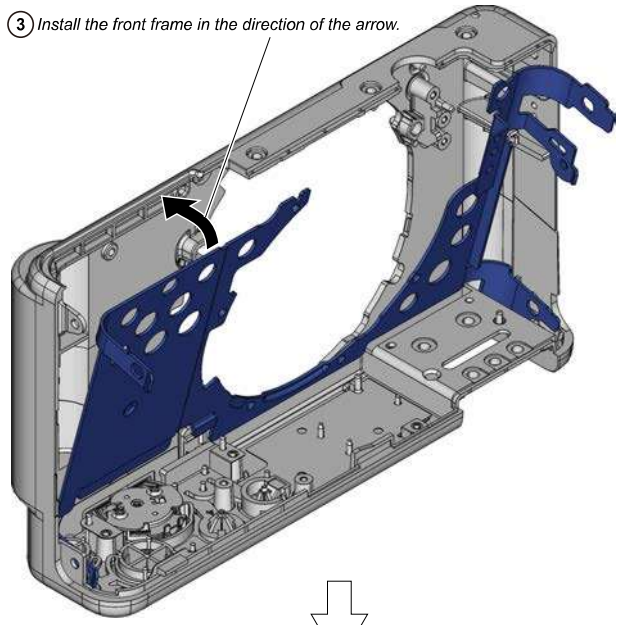

CAB FRONT ASSY
1. FRONT FRAME
2. LENS RING
RL-1072 FLEXIBLE BOARD (not supplied)
3. MIC RUBBER, LOUDSPEAKER (1.0 CM)
4. RL-1072 FLEXIBLE BOARD BLOCK
5. RL-1065 BOARD (not supplied)
6. SHOE FRAME
7. MIS-2006 FLEXIBLE BOARD MI SHOE SHELL PLATE
8. MI SHOE SCREW COVER
9. MI SHOE SPRING PLATE
10. SIDE SPACER
11. TRIPOD SCREW
BT-2030 FLEXIBLE BOARD
12. BATTERY TERMINAL BOARD
13. BT HOLDER ASSY
14. BT HEAT SINK
15. STRAP COVER
16. BT HOLDER BLOCK
17. MS-1041 BOARD (not supplied)
18. LENS BLOCK (not supplied)
19. SY-1128 BOARD (not supplied)
SY HEAT SINK
20. SY INSULATION SHEET A, SY SHEET TIM
21. SY HEAT SINK BLOCK
22. INTERCEPTION SHEET
23. SY INSULATION SHEET B
PANEL CAB FRONT BLOCK (not supplied)
24. SENSOR MAGNET
25. HINGE ASSY
26. PANEL CAB REAR ASSY
CABINET REAR
27. MG SENSOR ADHESIVE A
28. PANEL BLOCK
29. HINGE COVER MG ASSY
30. CABINET REAR COVER
31. CONTROL SWITCH BLOCK (SW63900)
32. MAIN FRAME
33. RE-1010 FLEXIBLE BOARD
34. LC LOCK SPRING
35. CABINET REAR BLOCK, JACK HOLDER
36. CABINET REAR BLOCK, MIC/USB/HDMI LID

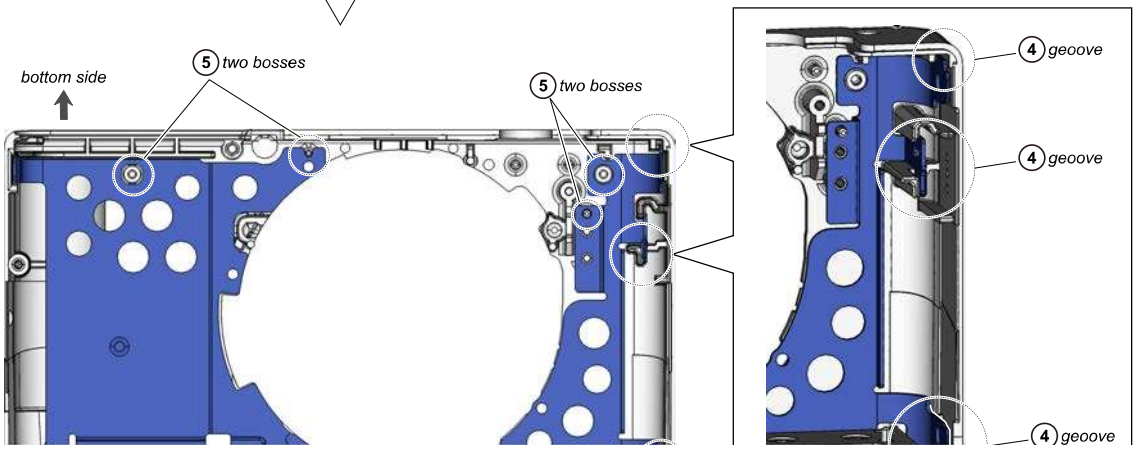

MAIN UNIT

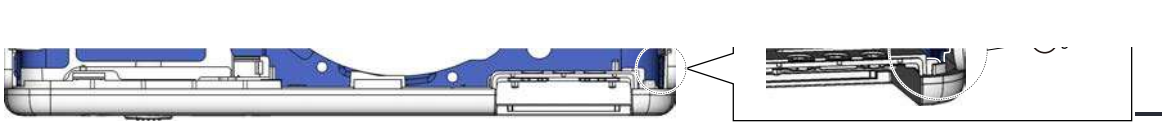
**Note:** Follow the assembly procedure in the numerical order given.

# 1. FRONT FRAME

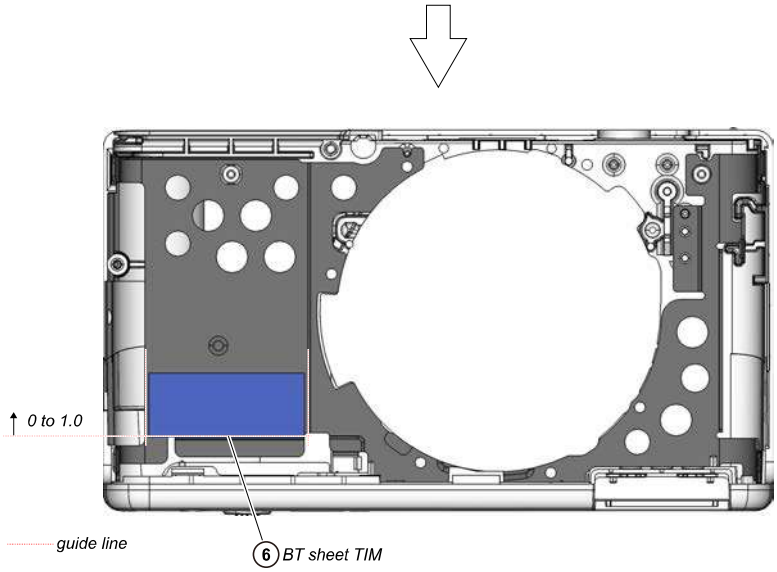

2 front frame
bottom side
1 CAB front assy
rear side


3 Install the front frame in the direction of the arrow.

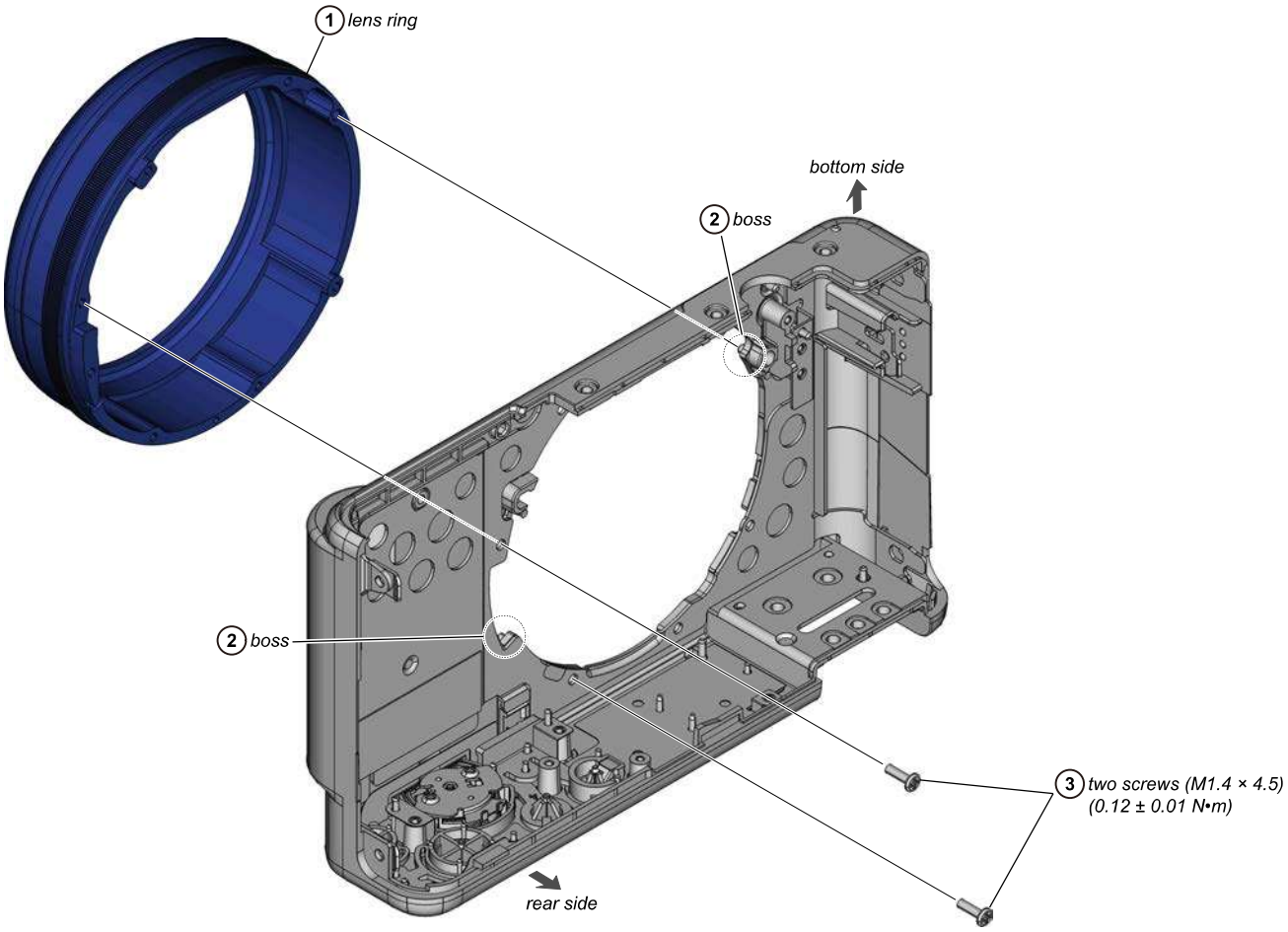

bottom side
5 two bosses
5 two bosses
4 geoove
4 geoove
4 geoove

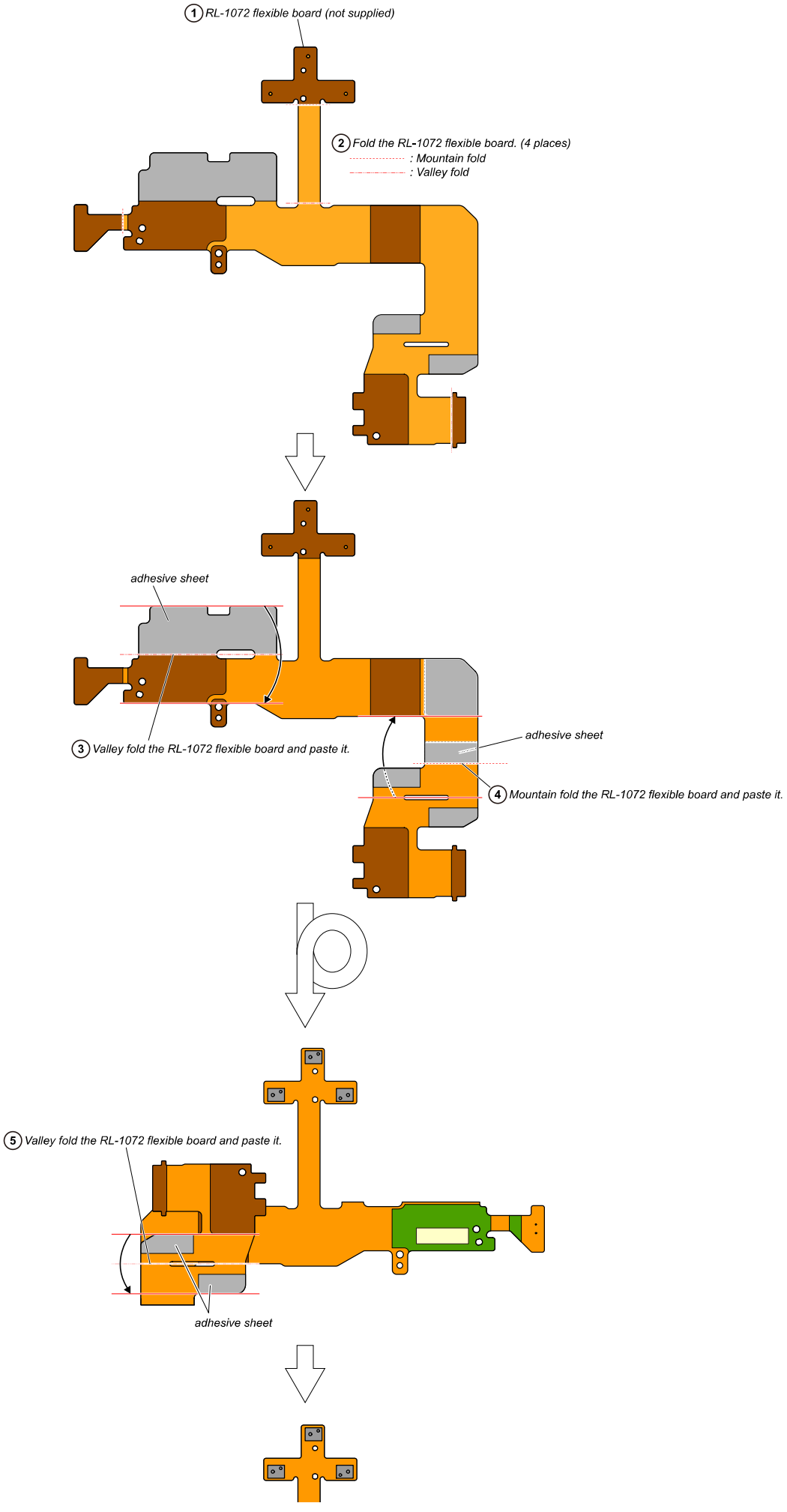


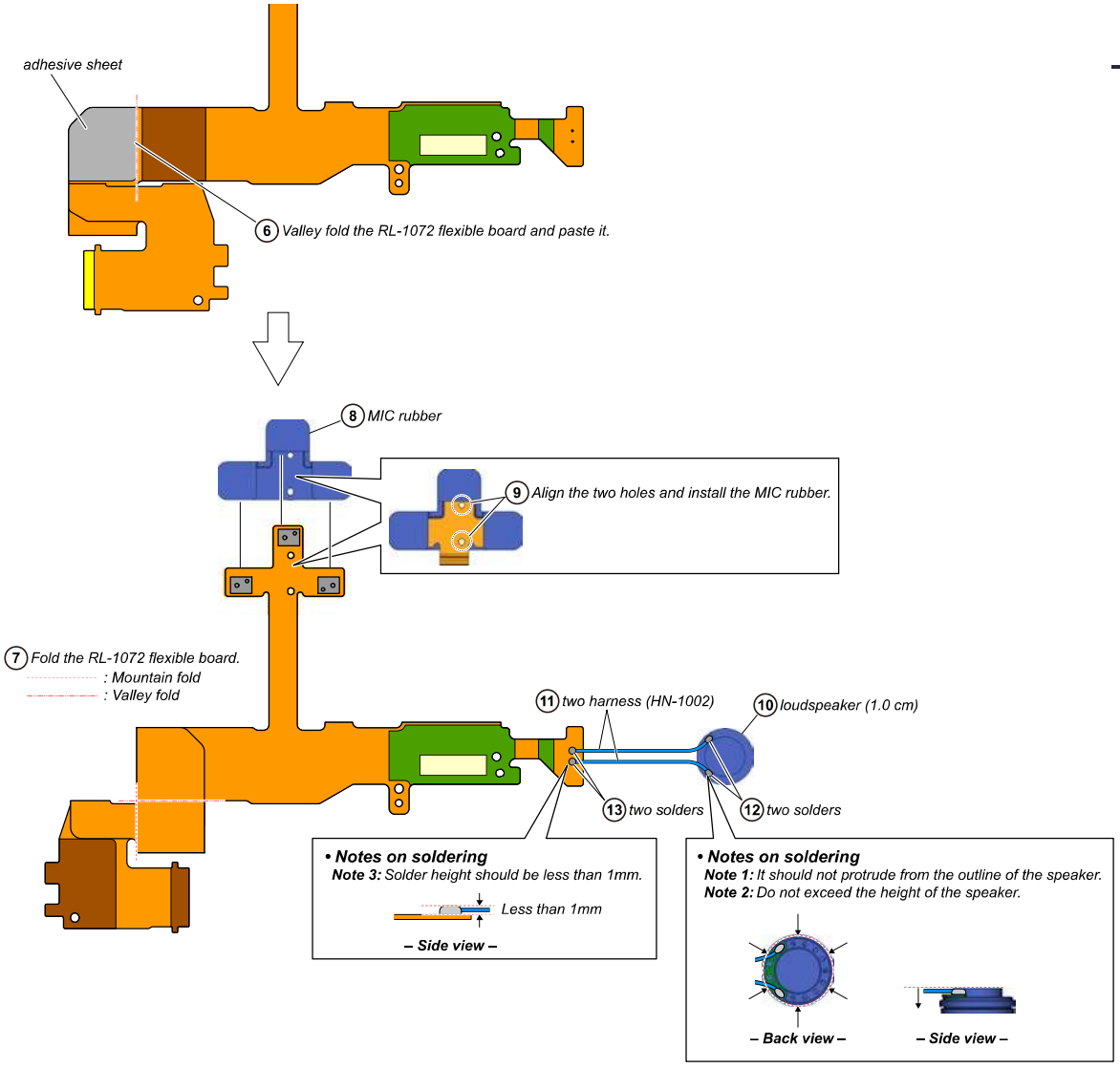
*– Rear view –*

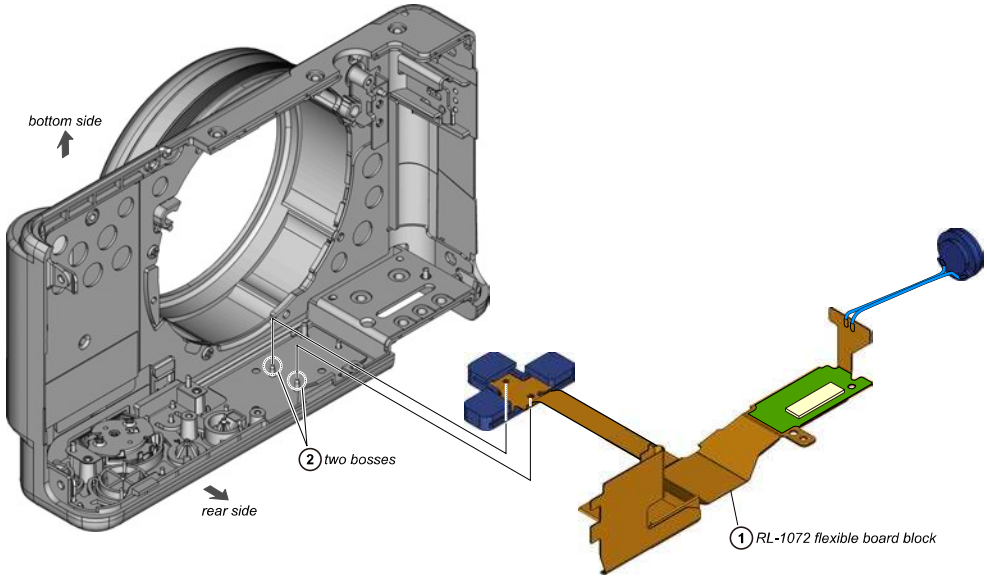


## 2. LENS RING


1 lens ring
bottom side
2 boss
2 boss
3 two screws (M1.4 × 4.5)
(0.12 ± 0.01 N•m)
rear side

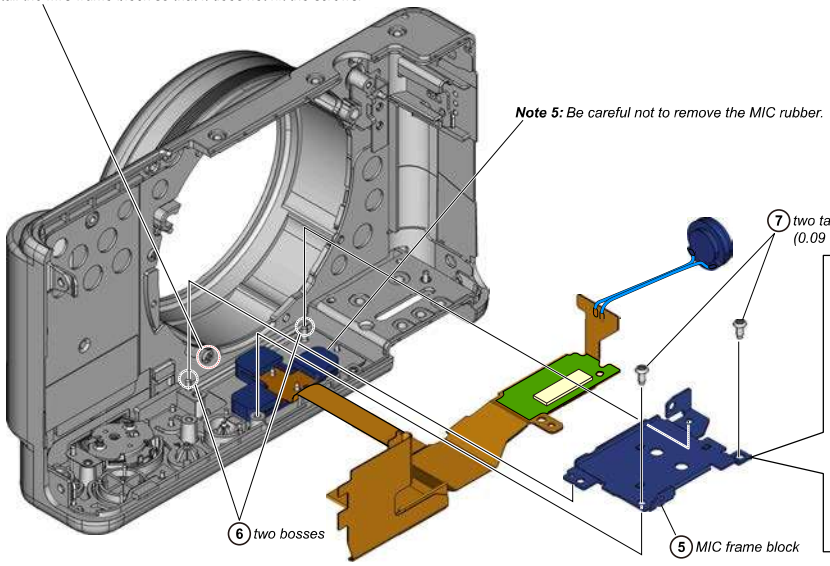

1 RL-1072 flexible board (not supplied)
2 Fold the RL-1072 flexible board. (4 places)
: Mountain fold
: Valley fold
adhesive sheet
3 Valley fold the RL-1072 flexible board and paste it.
adhesive sheet
4 Mountain fold the RL-1072 flexible board and paste it.
5 Valley fold the RL-1072 flexible board and paste it.
adhesive sheet


adhesive sheet
6 Valley fold the RL-1072 flexible board and paste it.
8 MIC rubber
9 Align the two holes and install the MIC rubber.
7 Fold the RL-1072 flexible board.
: Mountain fold
: Valley fold
11 two harness (HN-1002)
10 loudspeaker (1.0 cm)
13 two solders
12 two solders
• Notes on soldering
Note 3: Solder height should be less than 1mm.
Less than 1mm
– Side view –
• Notes on soldering
Note 1: It should not protrude from the outline of the speaker.
Note 2: Do not exceed the height of the speaker.
– Back view –
– Side view –

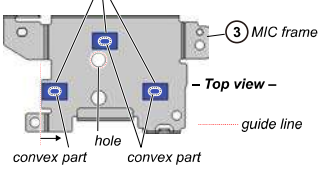


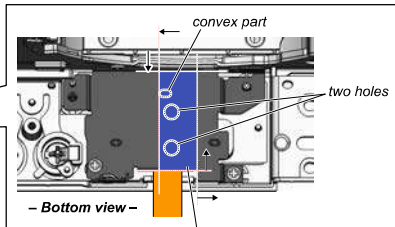

**Note 4:** *Install the MIC frame block so that it does not hit the screws.*

**Note 5:** *Be careful not to remove the MIC rubber.*

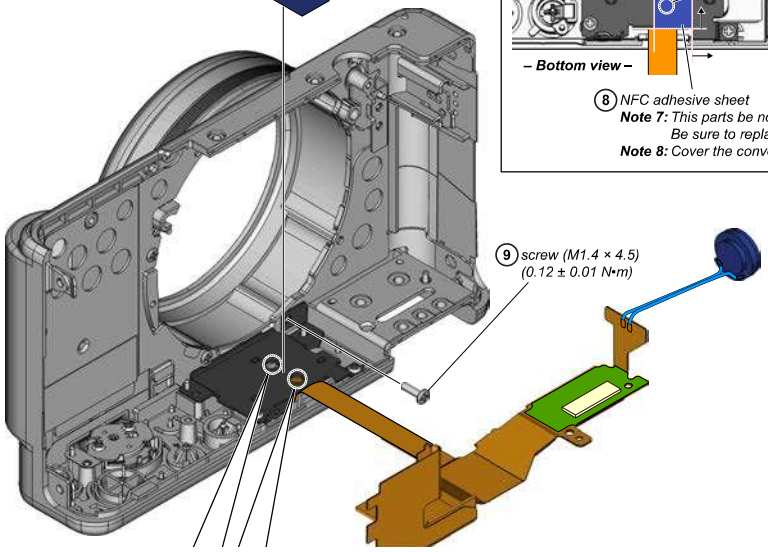


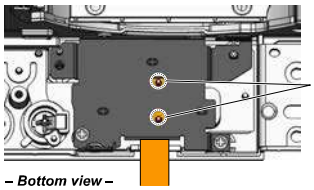

4 *Paste the three WiFi spacer sheets on the convex part.*
***Note 1:*** *Do not protrude from the MIC frame.*
***Note 2:*** *Do not cover the hole.*
***Note 3:*** *This parts be not reused.*
*Be sure to replace them with new parts.*



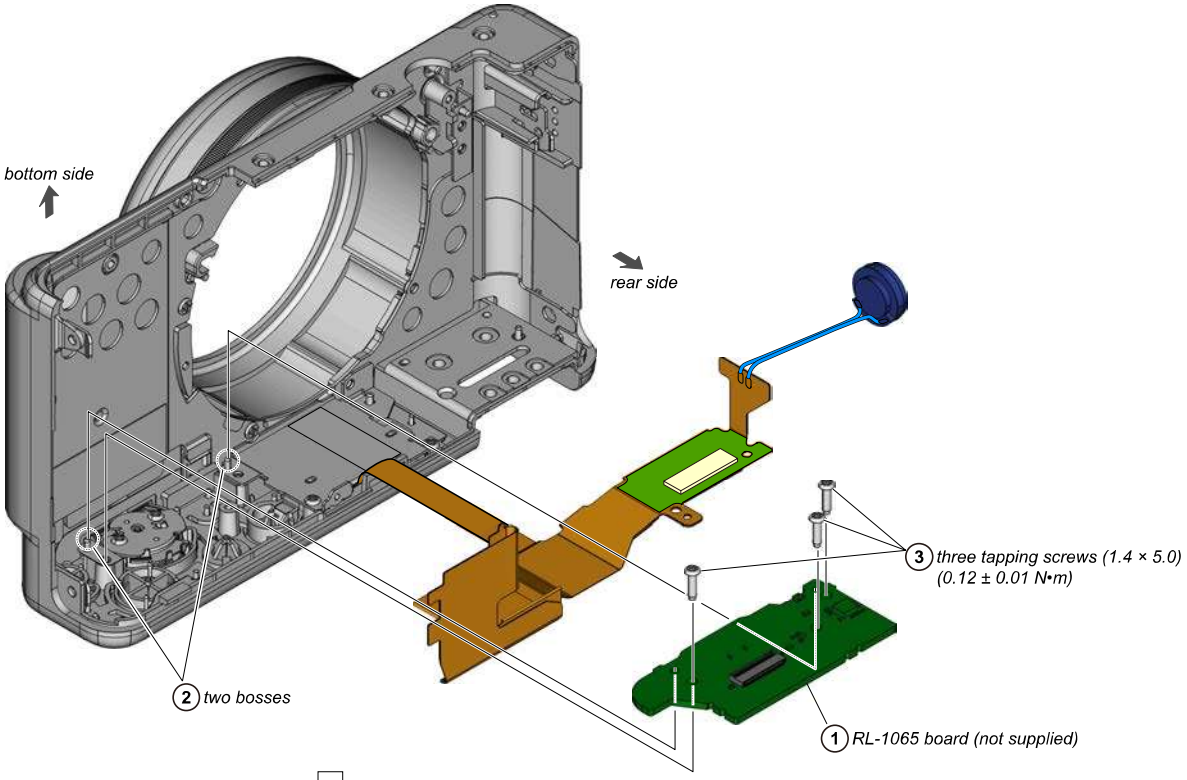

8 *NFC adhesive sheet*
***Note 7:*** *This parts be not reused.*
*Be sure to replace them with new parts.*
***Note 8:*** *Cover the convex part and two holes.*

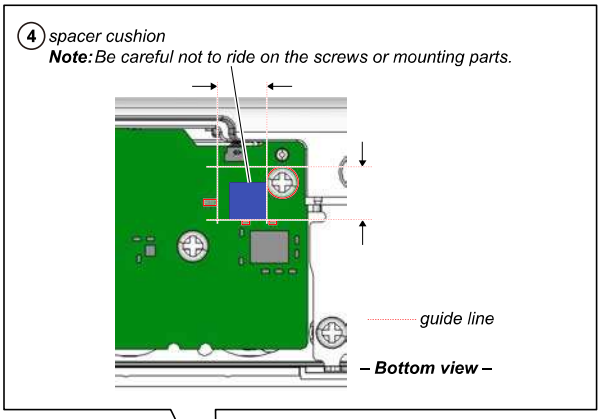


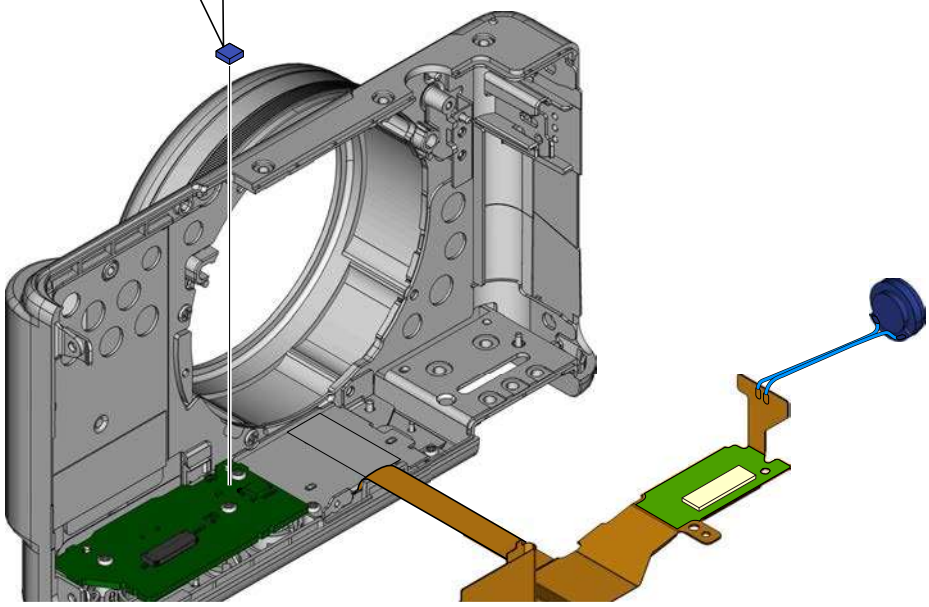


***Note 6:*** *Check that the MIC rubber has not come off by looking through the two holes.*

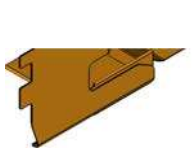
***– Bottom view –***

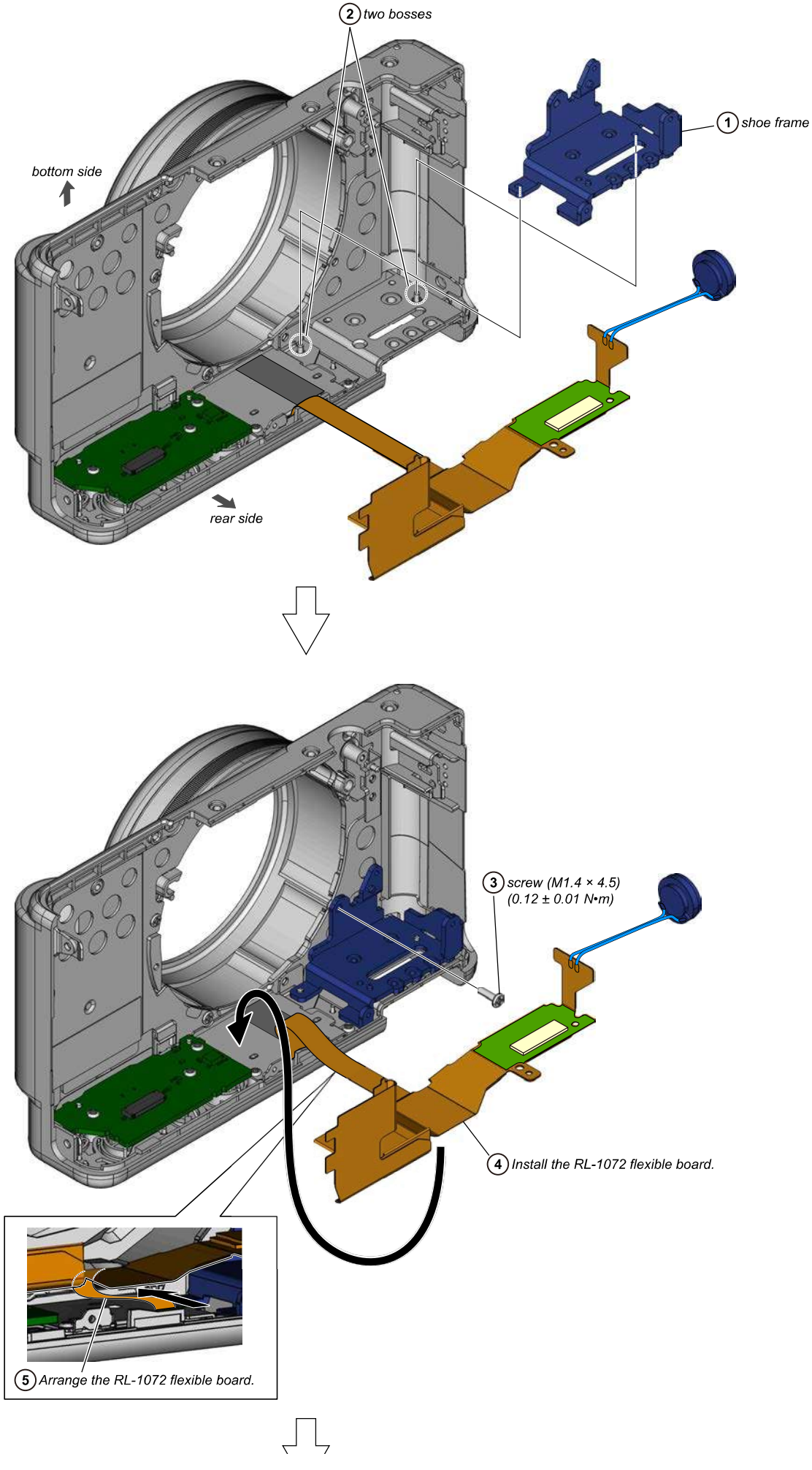

bottom side
rear side
3 three tapping screws (1.4 × 5.0)
(0.12 ± 0.01 N•m)
2 two bosses
1 RL-1065 board (not supplied)

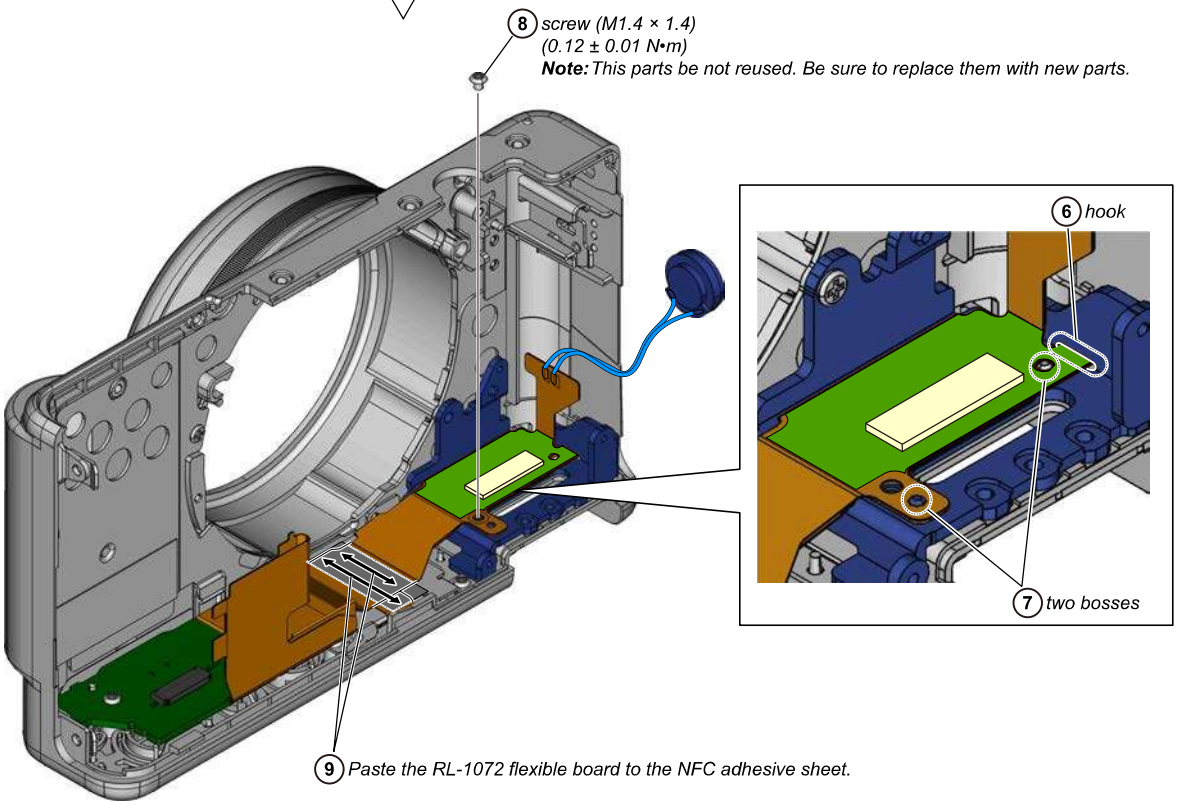

4 spacer cushion
Note: Be careful not to ride on the screws or mounting parts.
guide line
– Bottom view –

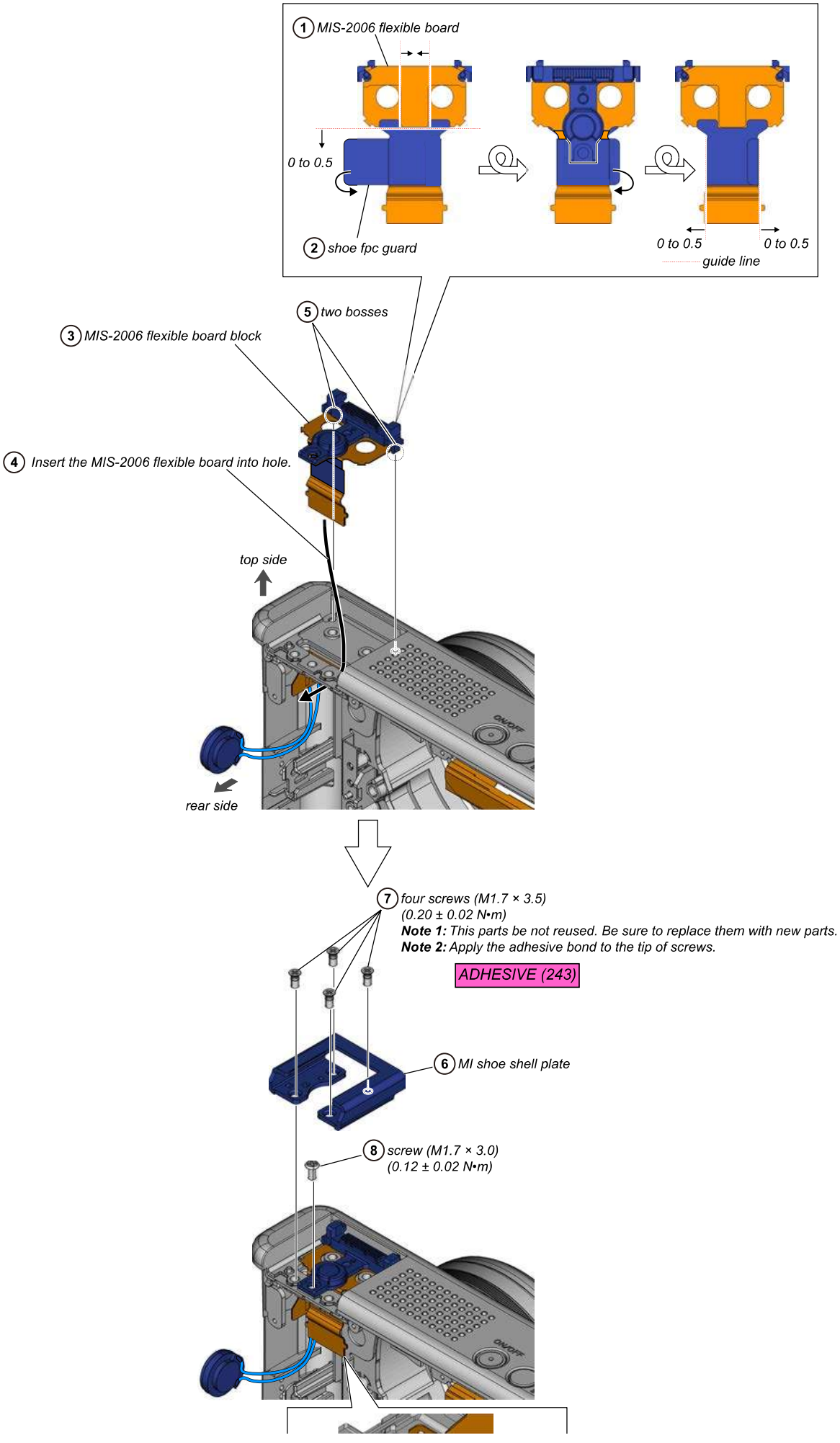


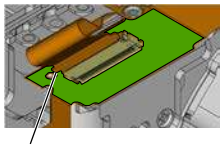





2 two bosses
1 shoe frame
bottom side
rear side
3 screw (M1.4 × 4.5)
(0.12 ± 0.01 N•m)
4 Install the RL-1072 flexible board.
5 Arrange the RL-1072 flexible board.

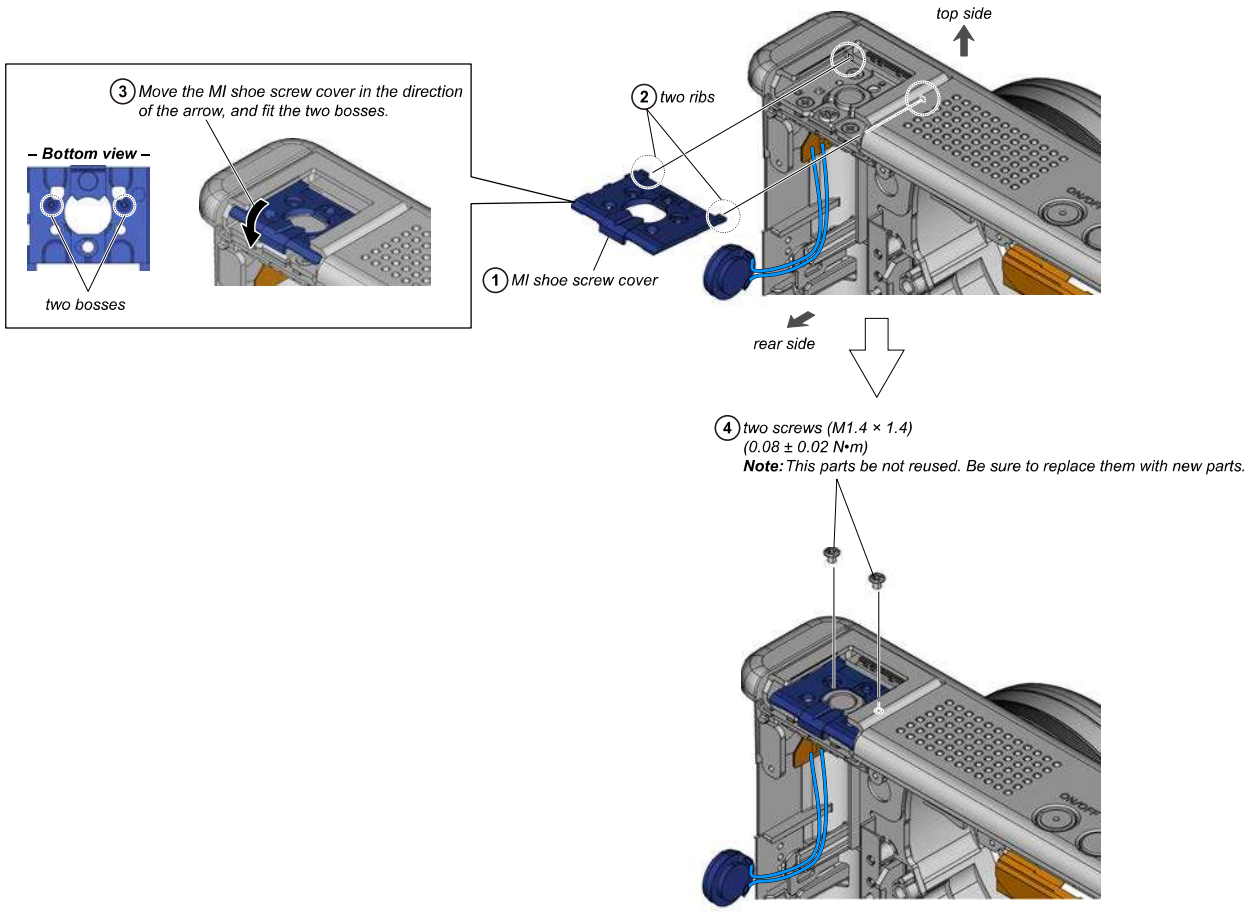

8 screw (M1.4 × 1.4)
(0.12 ± 0.01 N•m)
Note: This parts be not reused. Be sure to replace them with new parts.
6 hook
7 two bosses
9 Paste the RL-1072 flexible board to the NFC adhesive sheet.

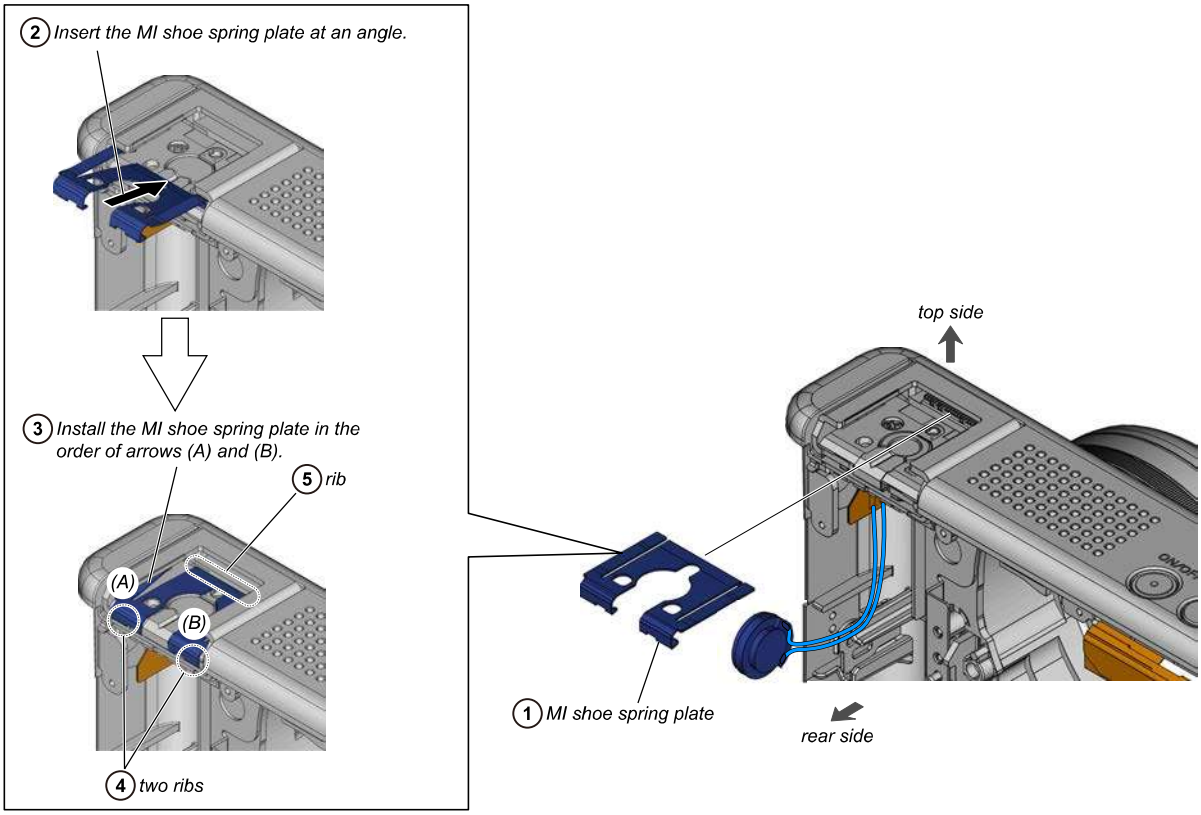

1 MIS-2006 flexible board
0 to 0.5
2 shoe fpc guard
0 to 0.5
0 to 0.5
guide line
5 two bosses
3 MIS-2006 flexible board block
4 Insert the MIS-2006 flexible board into hole.
top side
rear side
7 four screws (M1.7 × 3.5)
(0.20 ± 0.02 N•m)
Note 1: This parts be not reused. Be sure to replace them with new parts.
Note 2: Apply the adhesive bond to the tip of screws.
ADHESIVE (243)
6 MI shoe shell plate
8 screw (M1.7 × 3.0)
(0.12 ± 0.02 N•m)



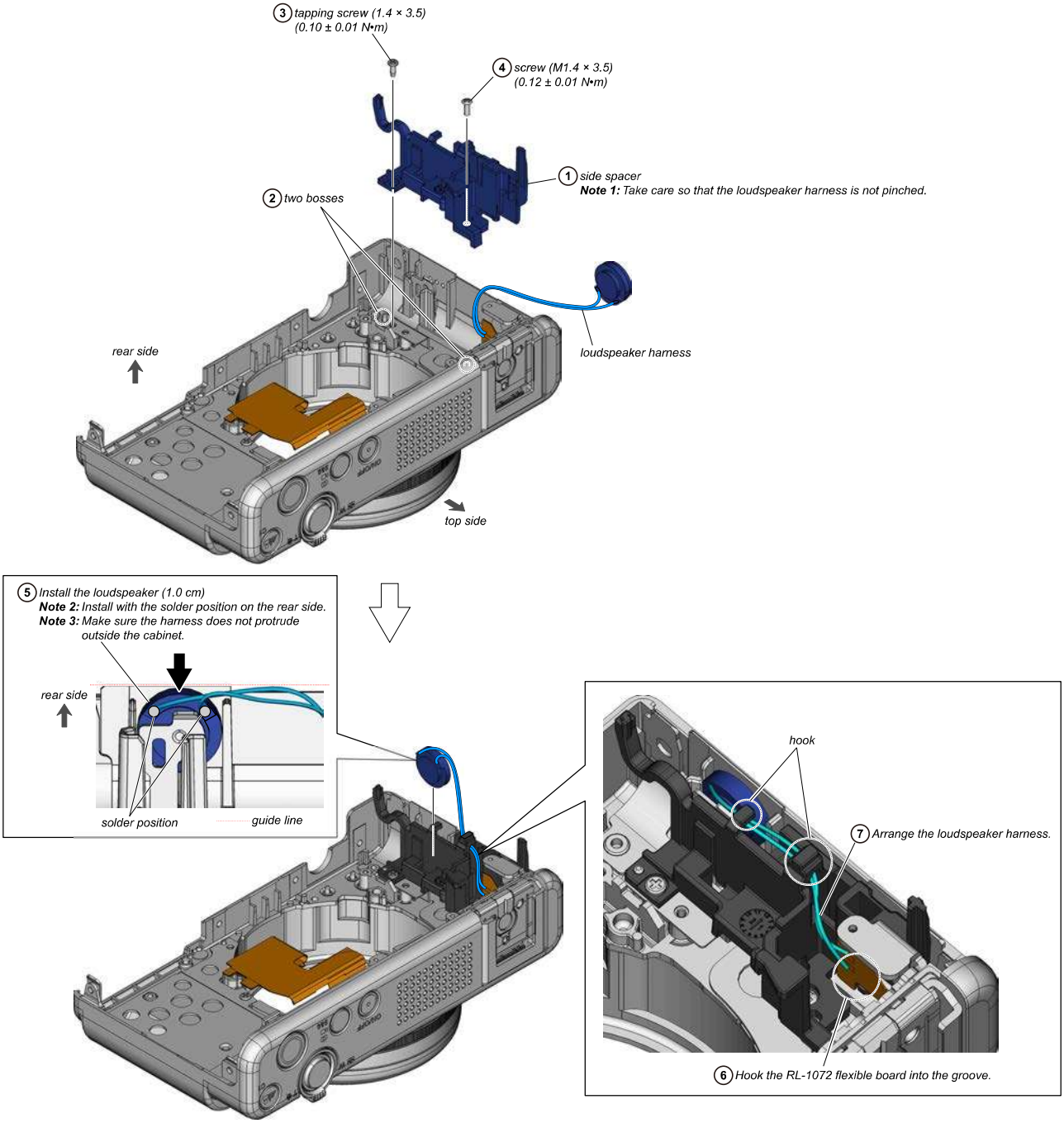
⑨ *Connect the MIS-2006 flexible board.*

# 8. MI SHOE SCREW COVER

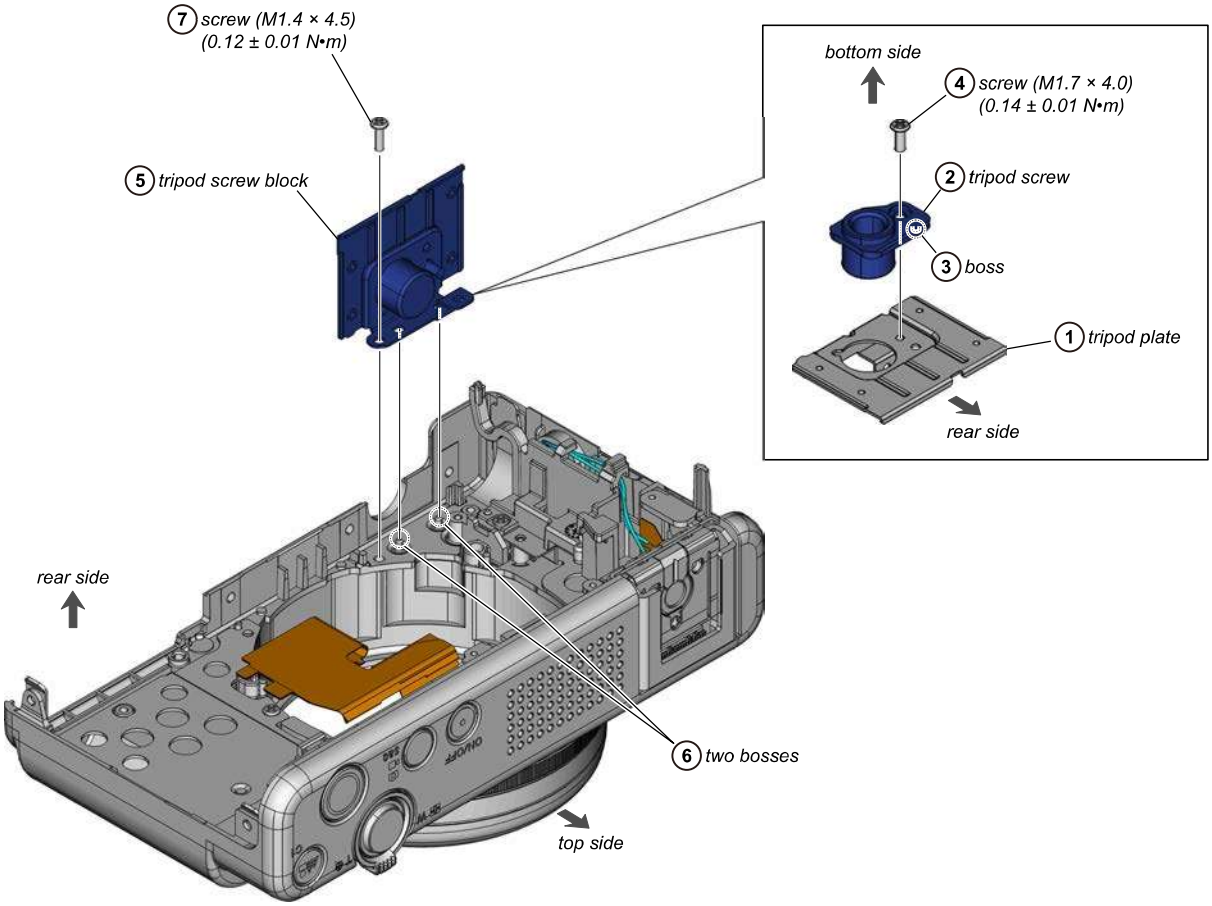


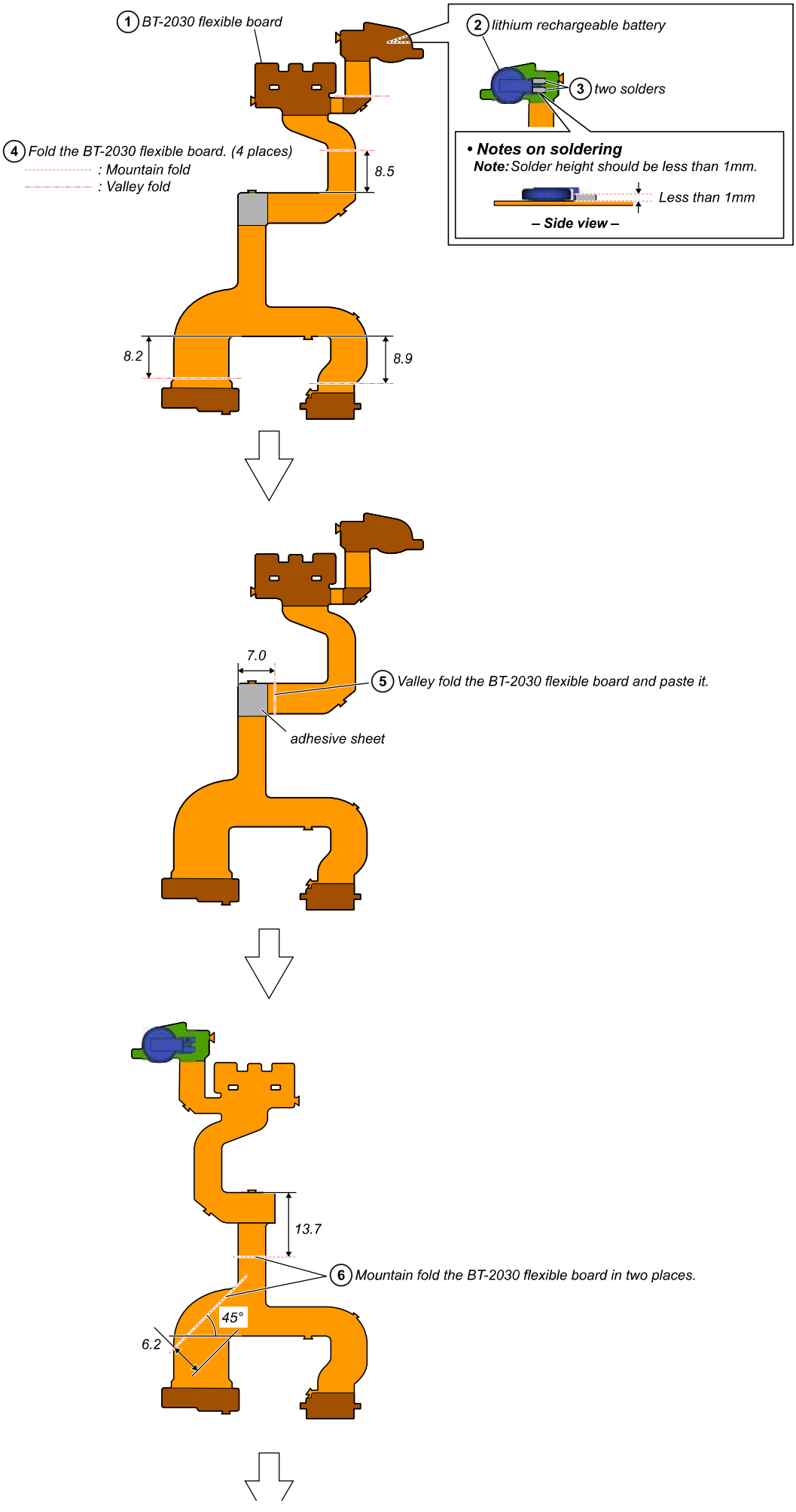

2 Insert the MI shoe spring plate at an angle.
3 Install the MI shoe spring plate in the order of arrows (A) and (B).
5 rib
(A)
(B)
4 two ribs
top side
1 MI shoe spring plate
rear side

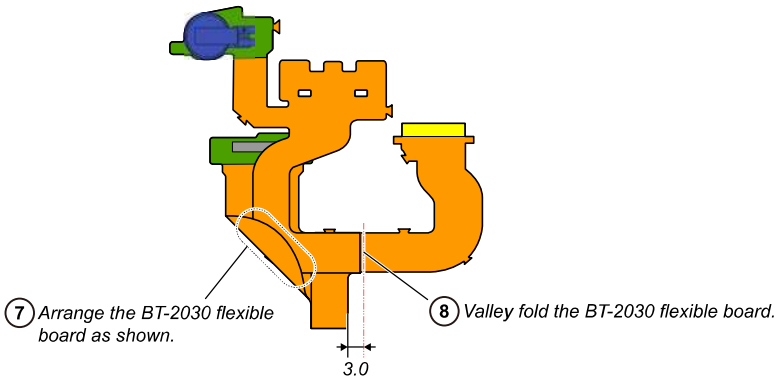
# 10. SIDE SPACER

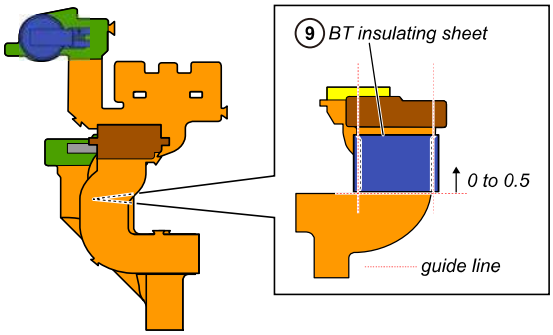


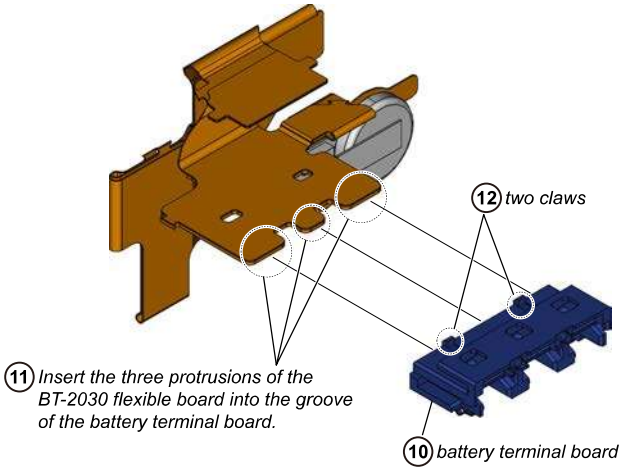
# 11. TRIPOD SCREW

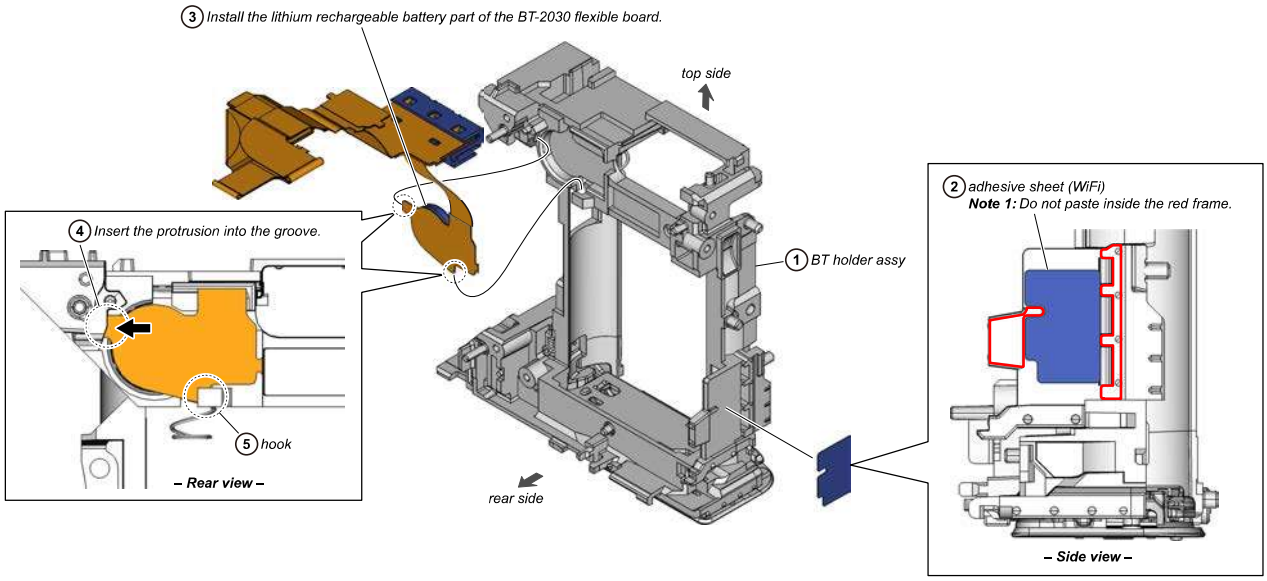


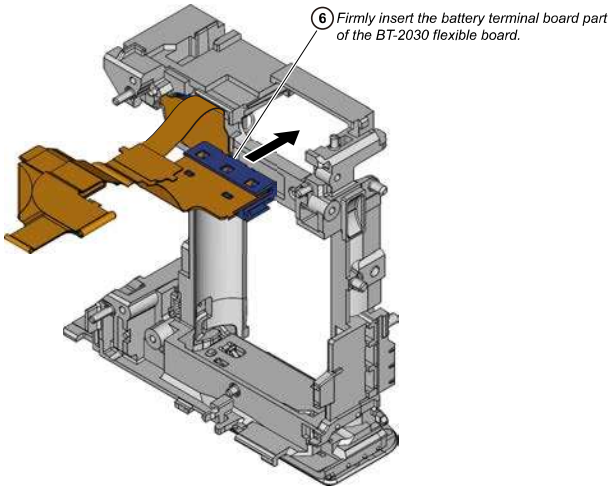

1 BT-2030 flexible board
2 lithium rechargeable battery
3 two solders
• Notes on soldering
Note: Solder height should be less than 1mm.
Less than 1mm
– Side view –
4 Fold the BT-2030 flexible board. (4 places)
: Mountain fold
: Valley fold
8.5
8.2
8.9
7.0
5 Valley fold the BT-2030 flexible board and paste it.
adhesive sheet
13.7
6 Mountain fold the BT-2030 flexible board in two places.
45°
6.2

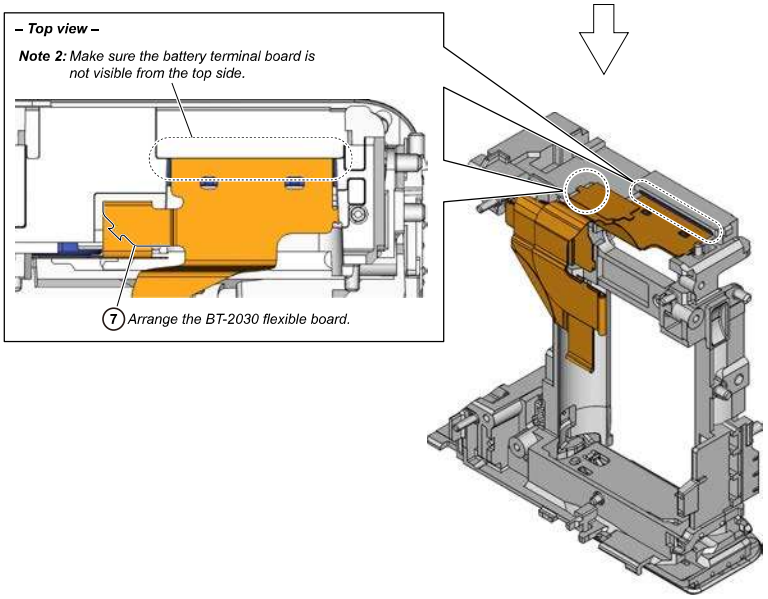

7 Arrange the BT-2030 flexible board as shown.
8 Valley fold the BT-2030 flexible board.
3.0

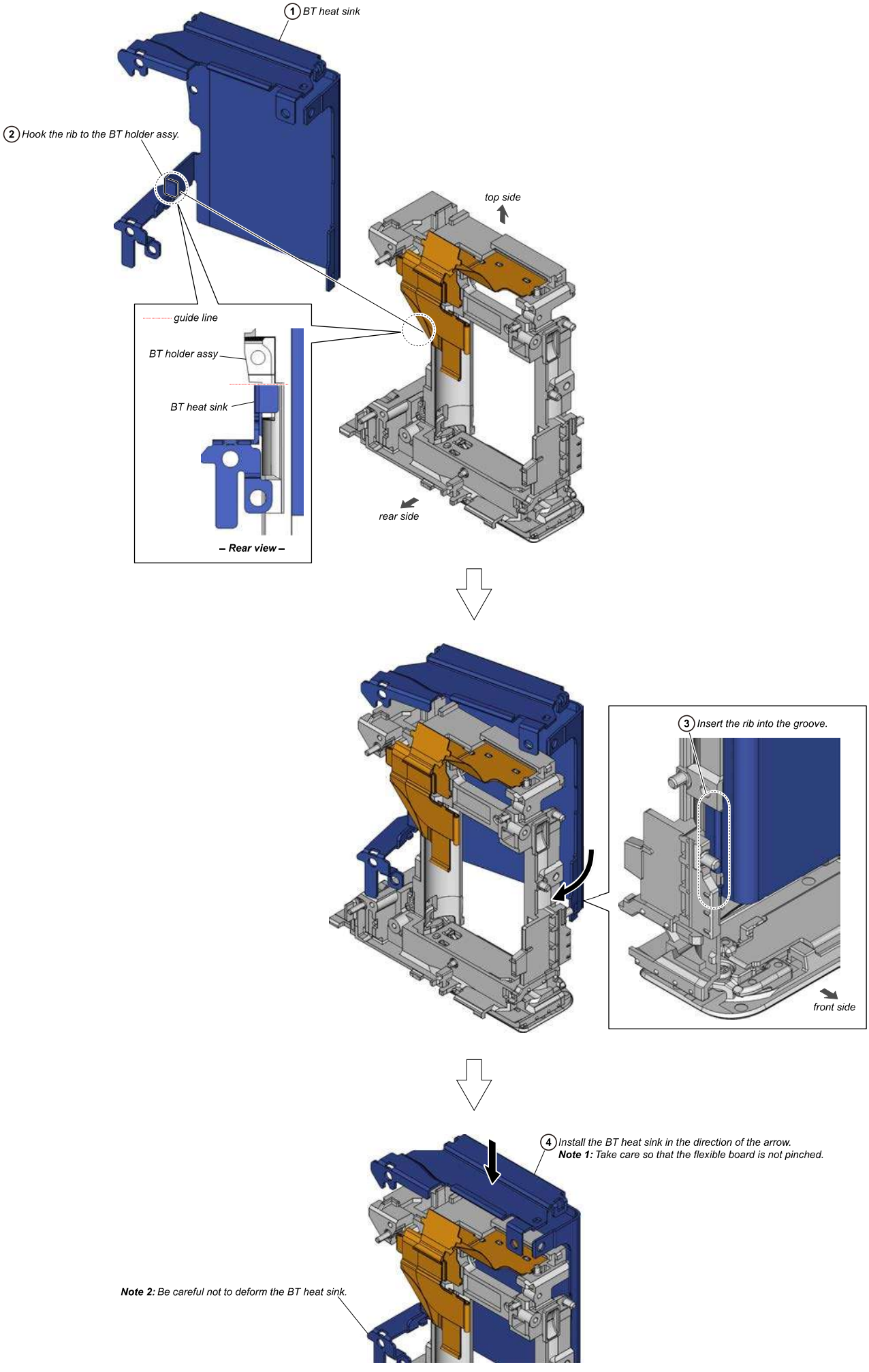

9 BT insulating sheet
0 to 0.5
guide line

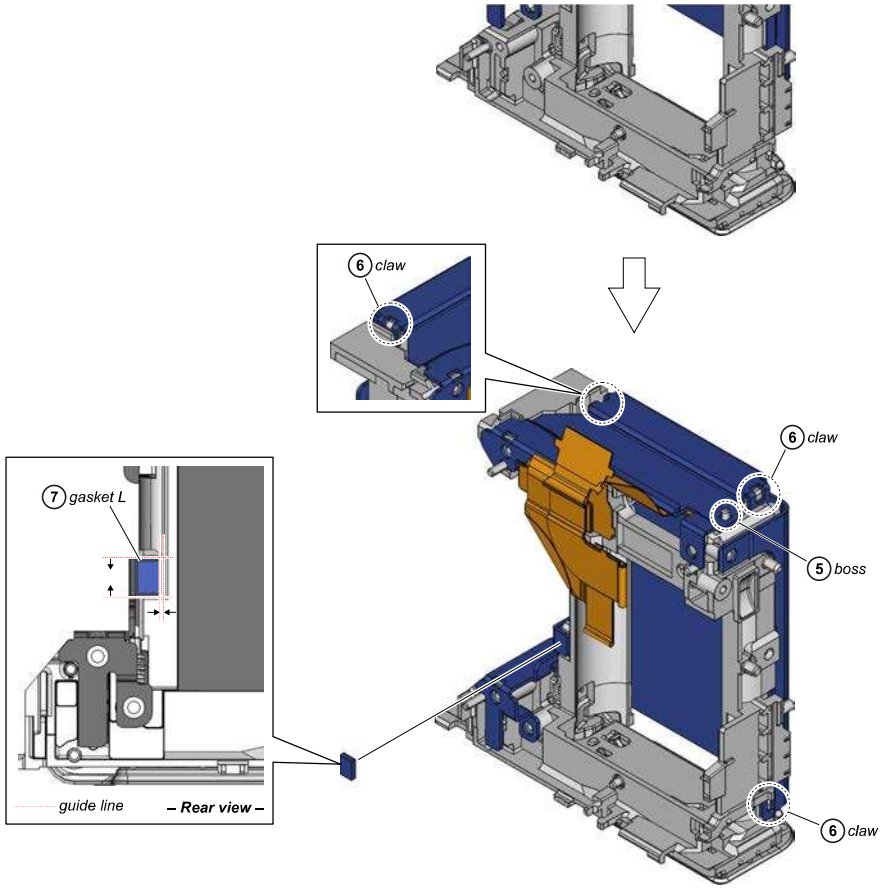

12 two claws
11 Insert the three protrusions of the BT-2030 flexible board into the groove of the battery terminal board.
10 battery terminal board

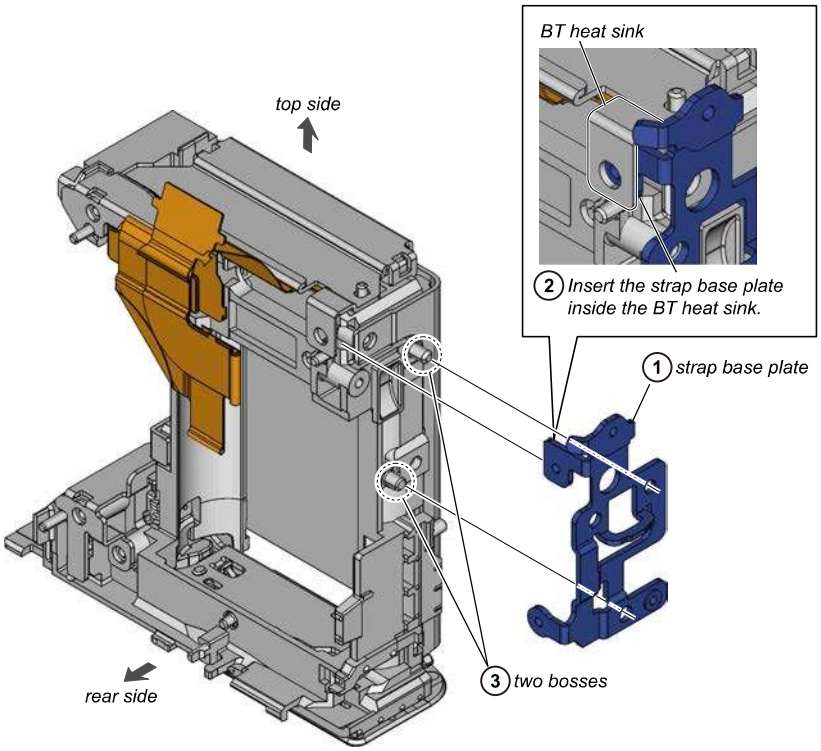

3 Install the lithium rechargeable battery part of the BT-2030 flexible board.
top side
4 Insert the protrusion into the groove.
5 hook
– Rear view –
1 BT holder assy
rear side
2 adhesive sheet (WiFi)
Note 1: Do not paste inside the red frame.
– Side view –

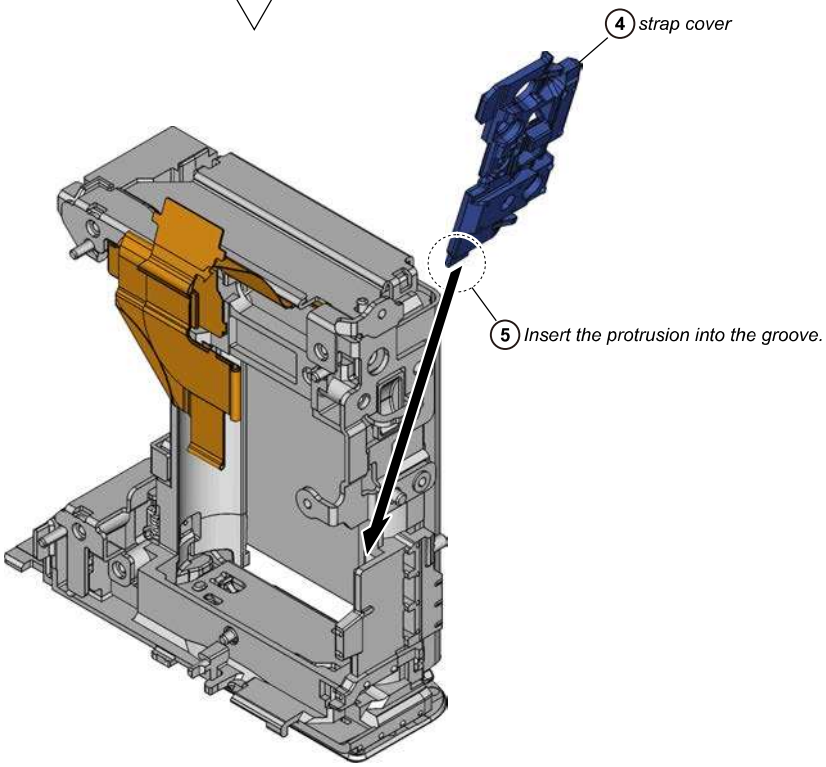

6 Firmly insert the battery terminal board part of the BT-2030 flexible board.

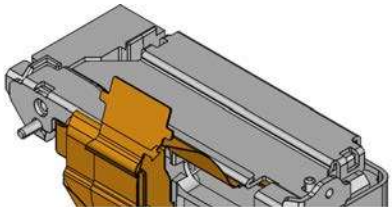

– Top view –
Note 2: Make sure the battery terminal board is not visible from the top side.
7 Arrange the BT-2030 flexible board.


1 BT heat sink
2 Hook the rib to the BT holder assy.
top side
guide line
BT holder assy
BT heat sink
rear side
– Rear view –
3 Insert the rib into the groove.
front side
4 Install the BT heat sink in the direction of the arrow.
Note 1: Take care so that the flexible board is not pinched.
Note 2: Be careful not to deform the BT heat sink.

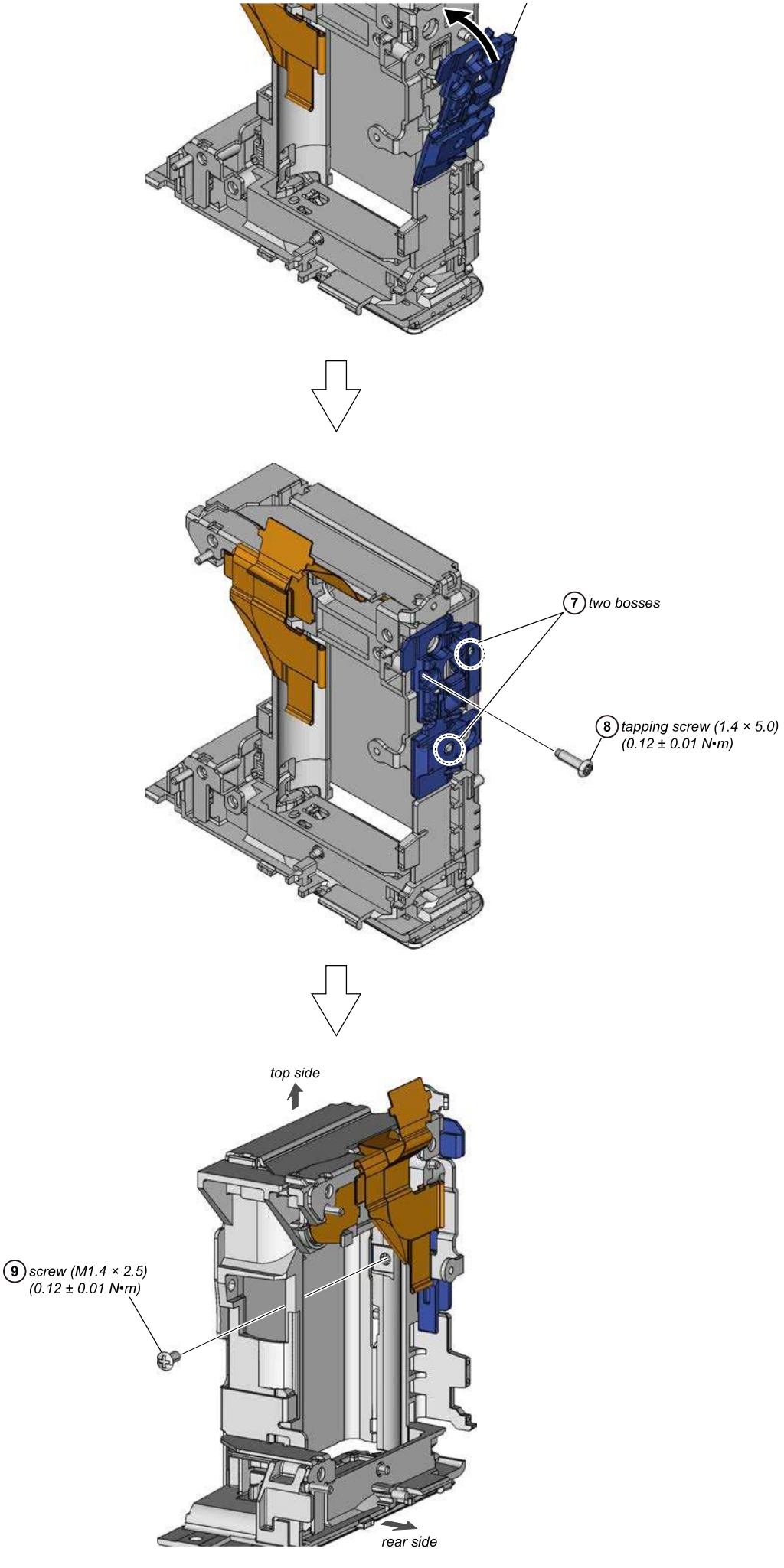

6 claw
6 claw
5 boss
6 claw
7 gasket L
guide line
– Rear view –

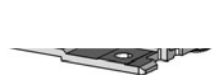


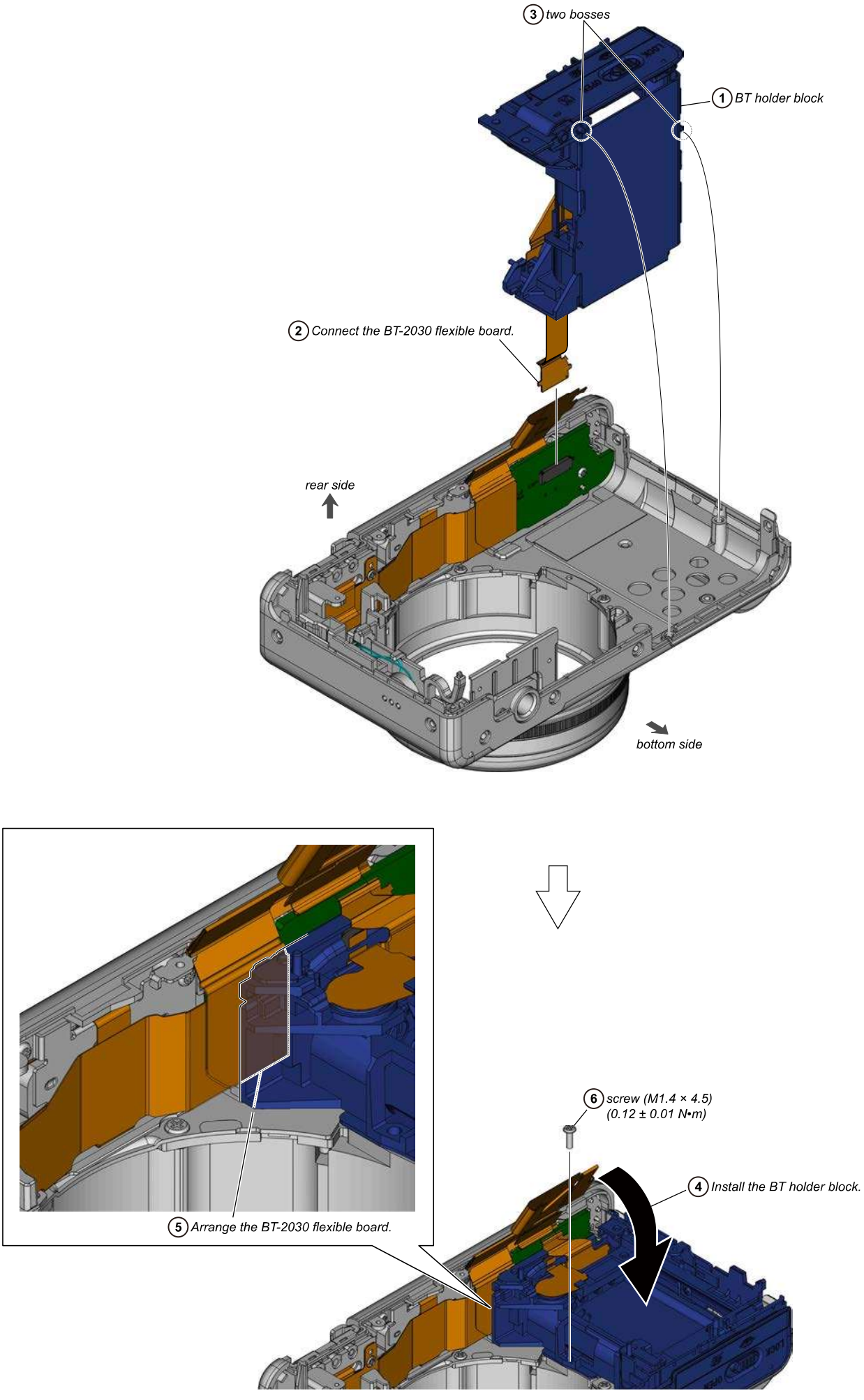



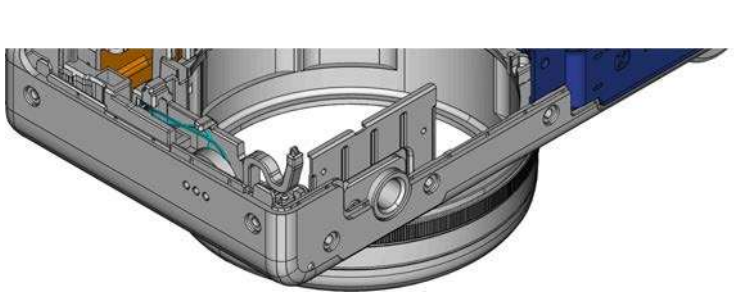



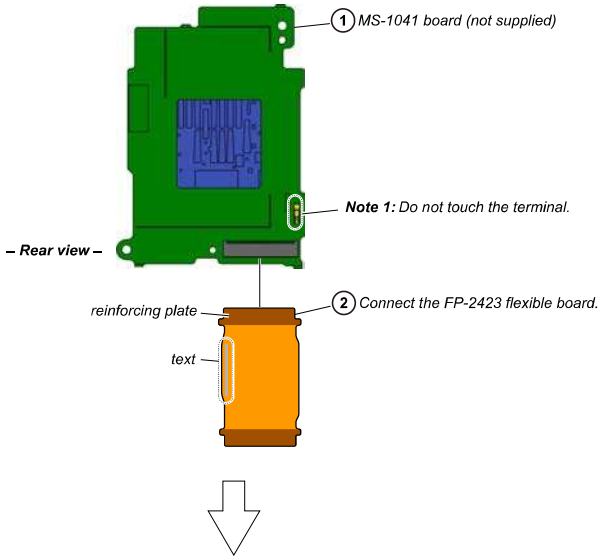
6 Install the strap cover in the direction of the arrow.

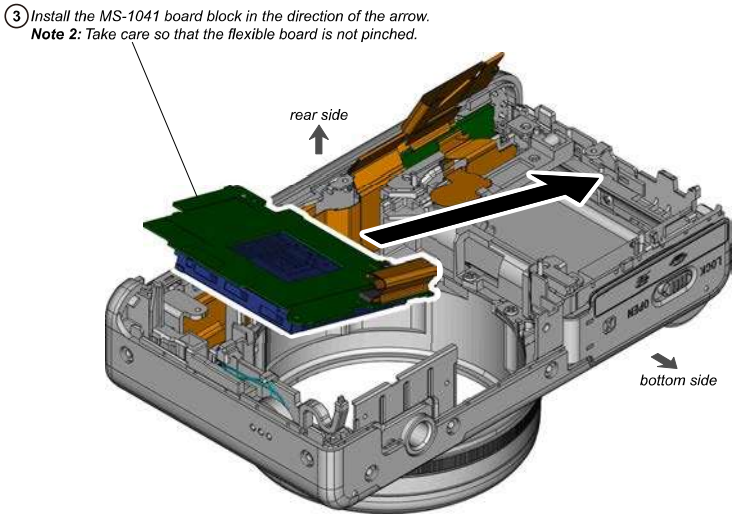

7 two bosses
8 tapping screw (1.4 × 5.0)
(0.12 ± 0.01 N•m)
top side
9 screw (M1.4 × 2.5)
(0.12 ± 0.01 N•m)
rear side

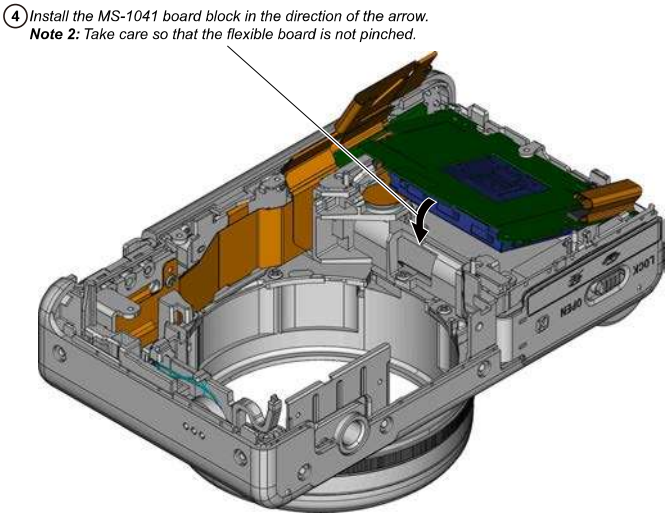


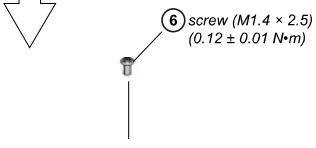

3 two bosses
1 BT holder block
2 Connect the BT-2030 flexible board.
rear side
bottom side
5 Arrange the BT-2030 flexible board.
6 screw (M1.4 × 4.5)
(0.12 ± 0.01 N•m)
4 Install the BT holder block.

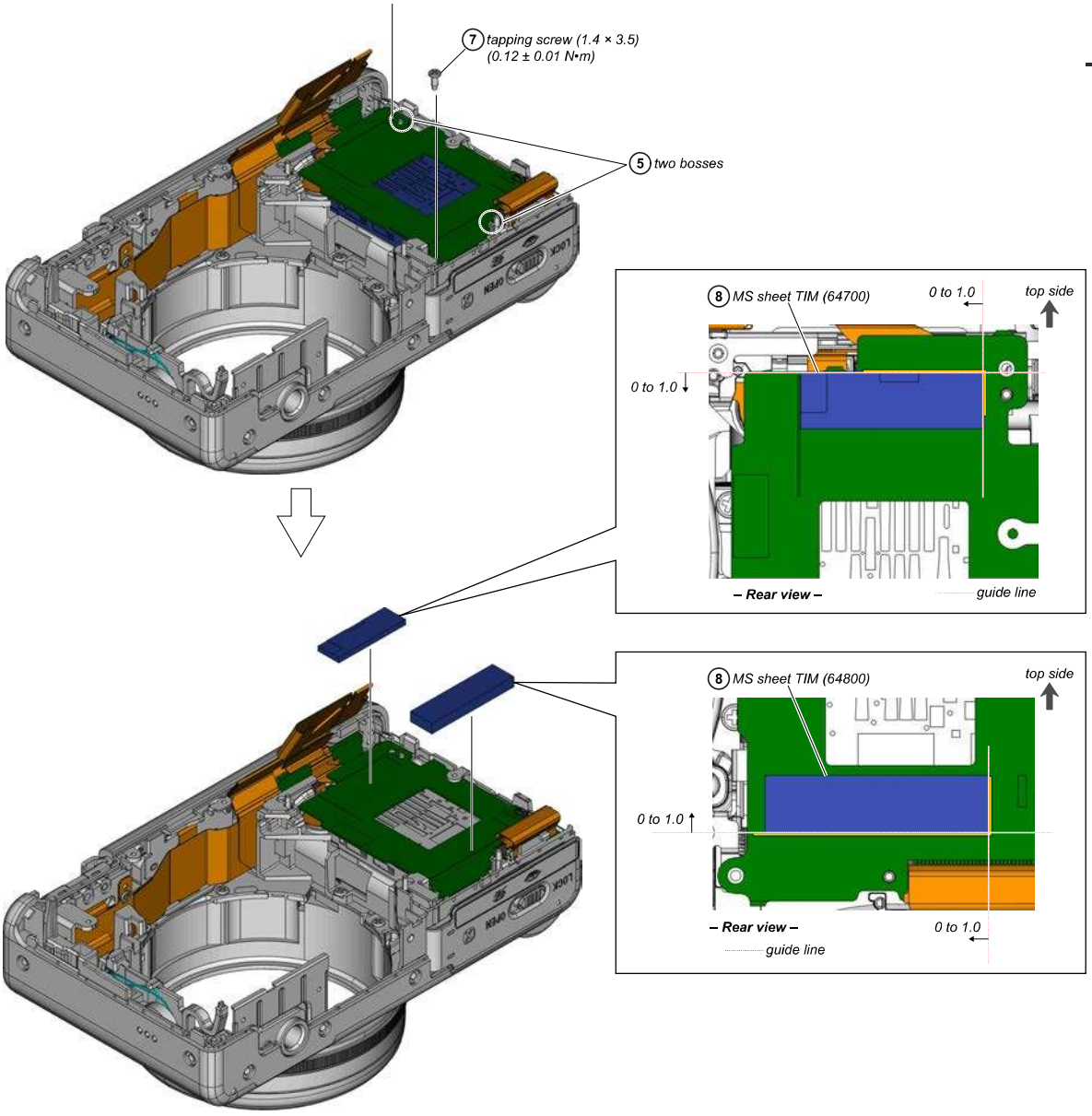


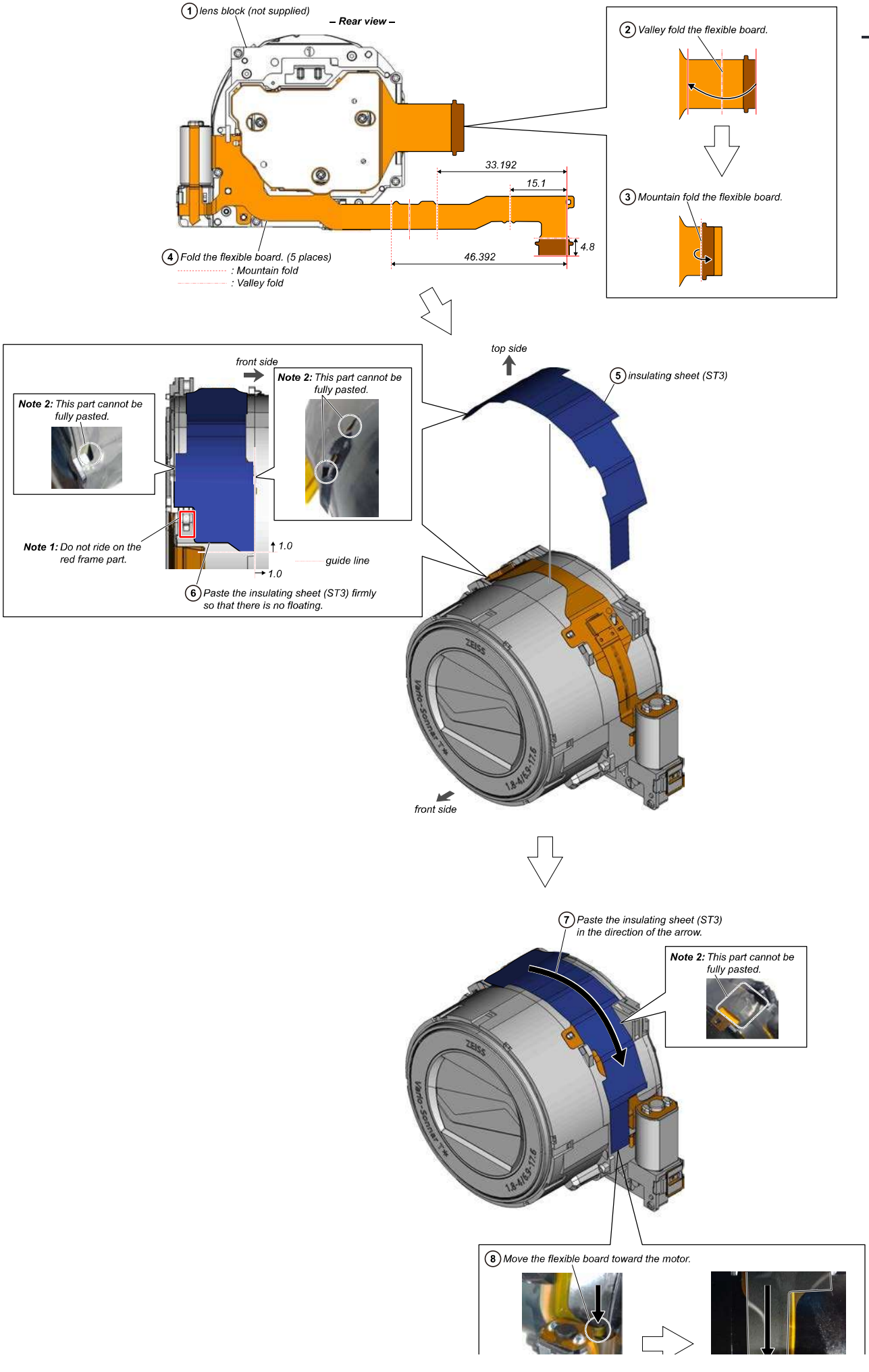

1 MS-1041 board (not supplied)
Note 1: Do not touch the terminal.
– Rear view –
reinforcing plate
2 Connect the FP-2423 flexible board.
text


3 Install the MS-1041 board block in the direction of the arrow.
Note 2: Take care so that the flexible board is not pinched.
rear side
bottom side


4 Install the MS-1041 board block in the direction of the arrow.
Note 2: Take care so that the flexible board is not pinched.


6 screw (M1.4 × 2.5)
(0.12 ± 0.01 N•m)


7 tapping screw (1.4 × 3.5)
(0.12 ± 0.01 N•m)
5 two bosses
8 MS sheet TIM (64700)
0 to 1.0
top side
0 to 1.0
– Rear view –
guide line
8 MS sheet TIM (64800)
top side
0 to 1.0
– Rear view –
0 to 1.0
guide line

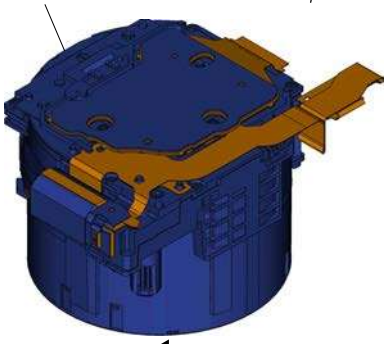

1 lens block (not supplied)
– Rear view –
2 Valley fold the flexible board.
3 Mountain fold the flexible board.
33.192
15.1
4.8
46.392
4 Fold the flexible board. (5 places)
: Mountain fold
: Valley fold
front side
Note 2: This part cannot be fully pasted.
Note 2: This part cannot be fully pasted.
Note 1: Do not ride on the red frame part.
1.0
1.0
guide line
6 Paste the insulating sheet (ST3) firmly so that there is no floating.
top side
5 insulating sheet (ST3)
front side
7 Paste the insulating sheet (ST3) in the direction of the arrow.
Note 2: This part cannot be fully pasted.
8 Move the flexible board toward the motor.



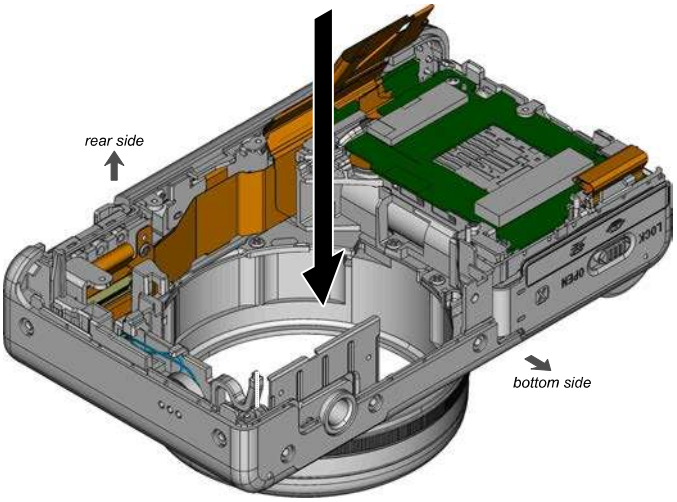


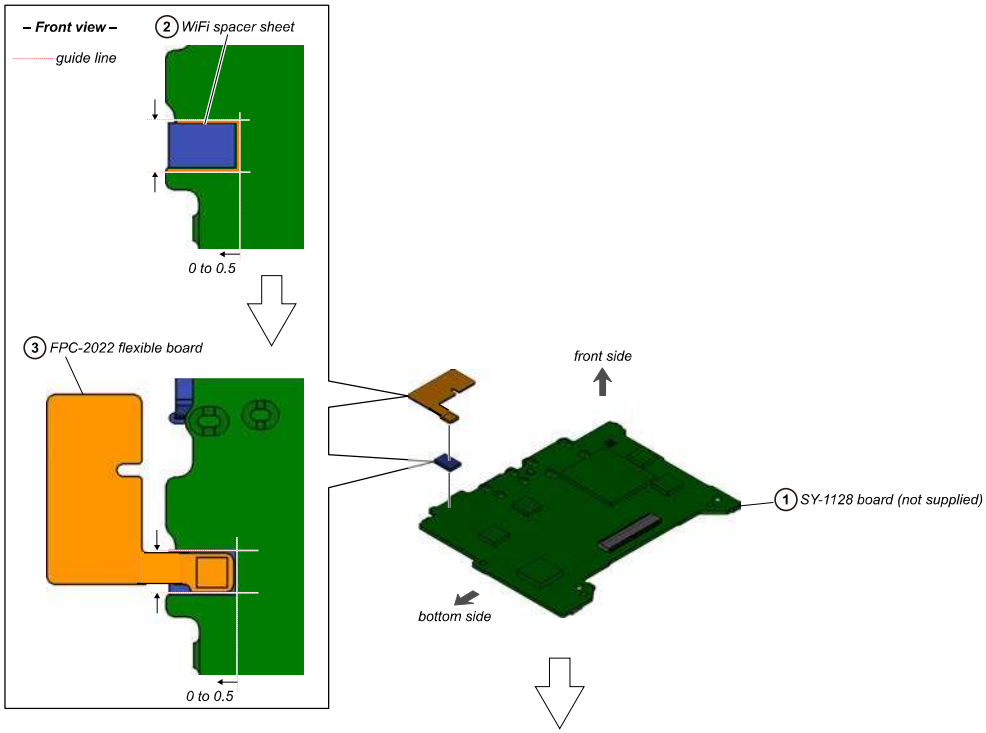
⑨ *Paste the insulating sheet (ST3).*

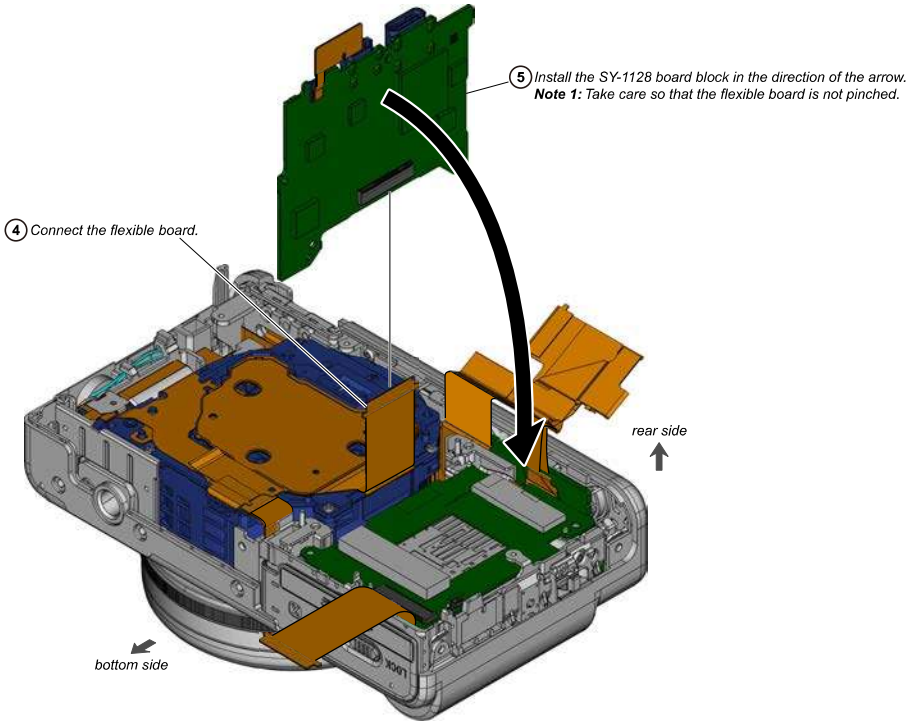
⑪ *Install the lens block.*
***Note 3:*** *Take care so that the flexible board is not pinched.*

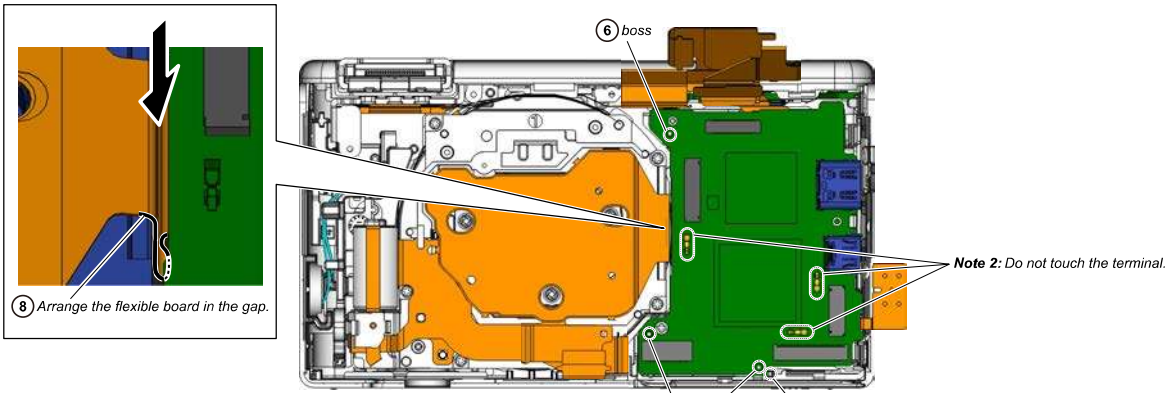


⑩ *light shield ring*

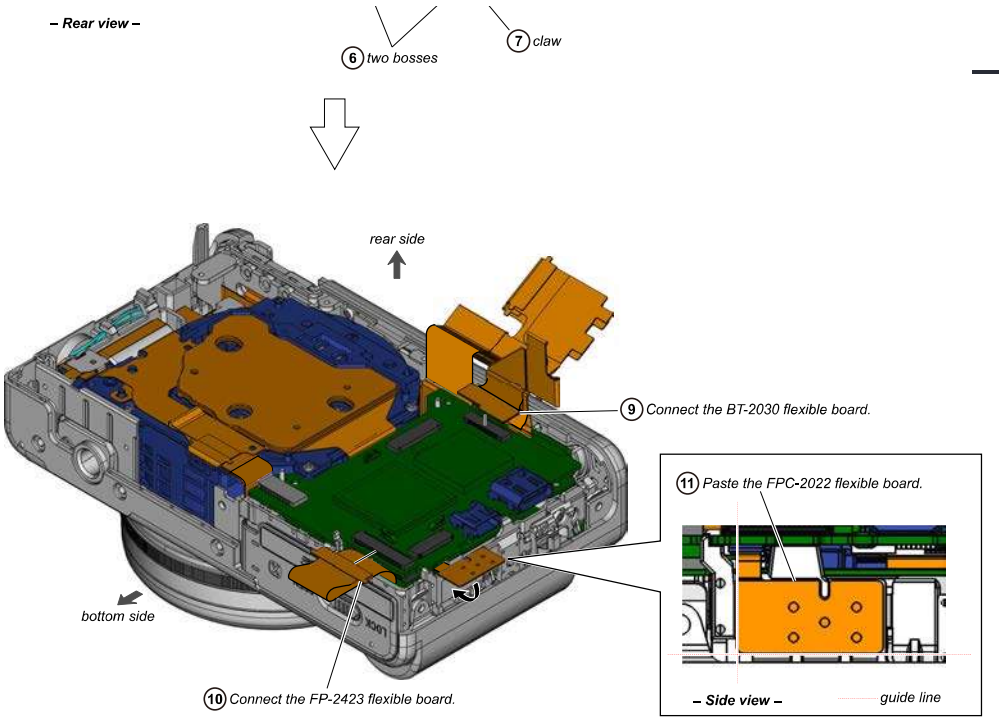


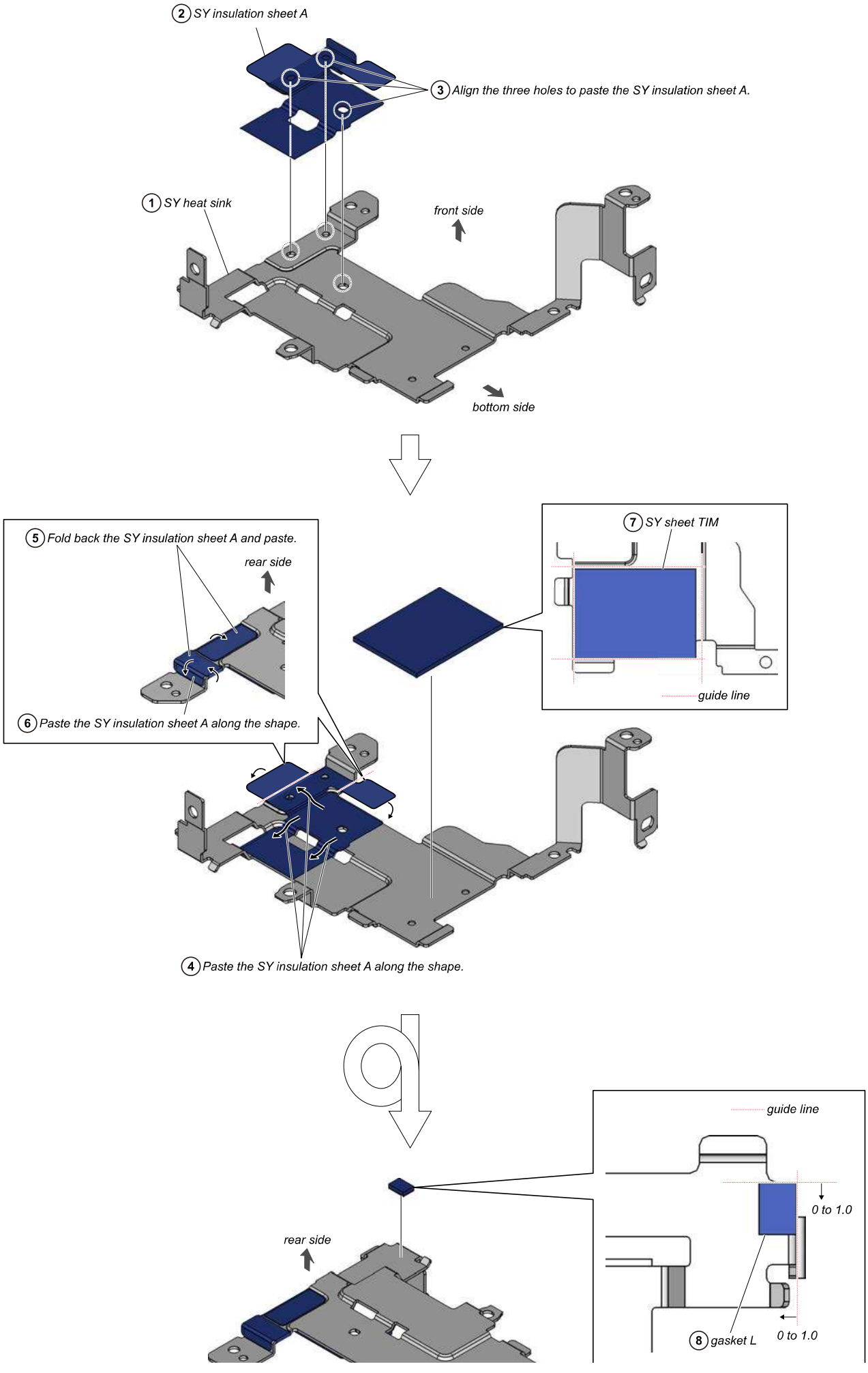

– Front view –
guide line
2 WiFi spacer sheet
0 to 0.5
3 FPC-2022 flexible board
0 to 0.5
front side
1 SY-1128 board (not supplied)
bottom side

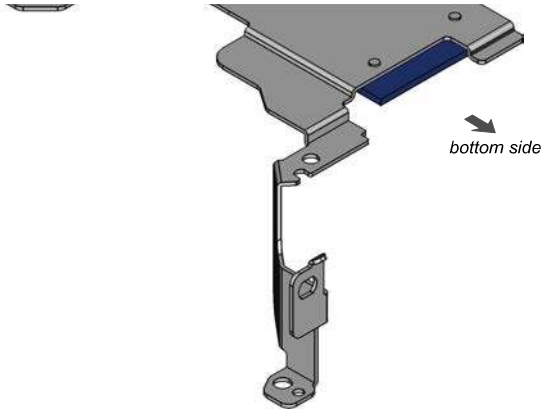

5 Install the SY-1128 board block in the direction of the arrow.
Note 1: Take care so that the flexible board is not pinched.
4 Connect the flexible board.
rear side
bottom side


6 boss
Note 2: Do not touch the terminal.
8 Arrange the flexible board in the gap.

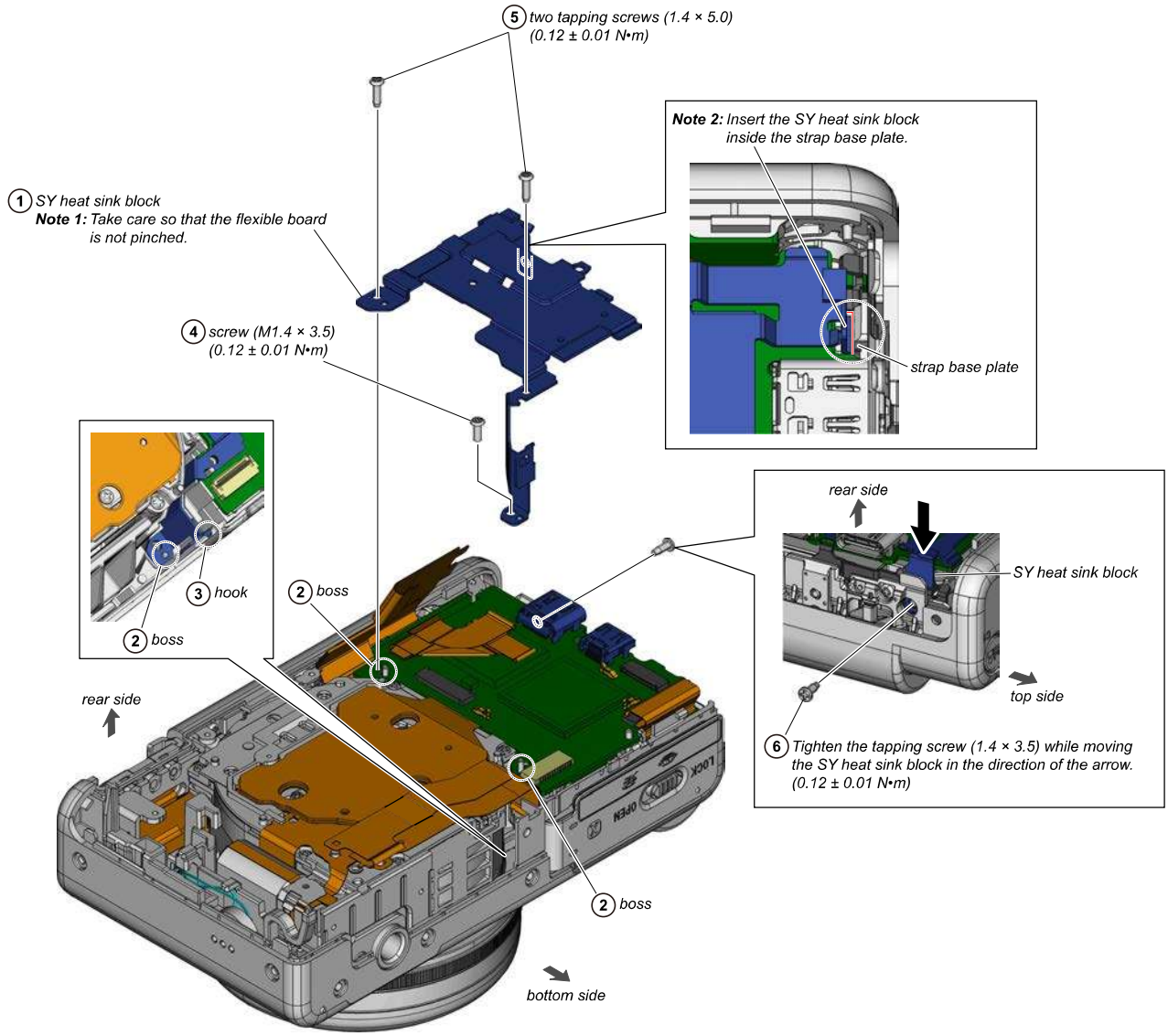
– Rear view –

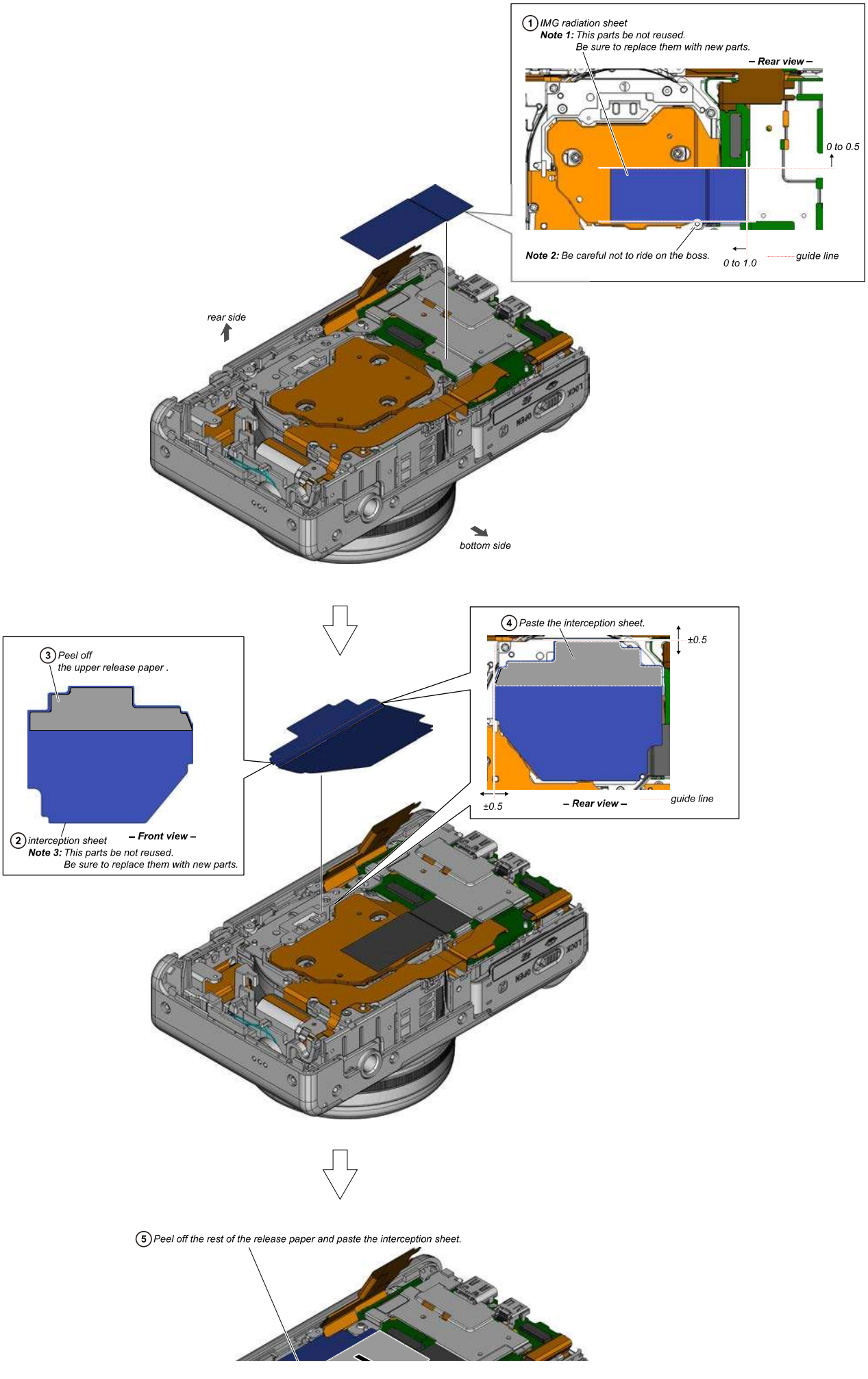

6 two bosses
7 claw
rear side
9 Connect the BT-2030 flexible board.
11 Paste the FPC-2022 flexible board.
bottom side
10 Connect the FP-2423 flexible board.
– Side view –
guide line

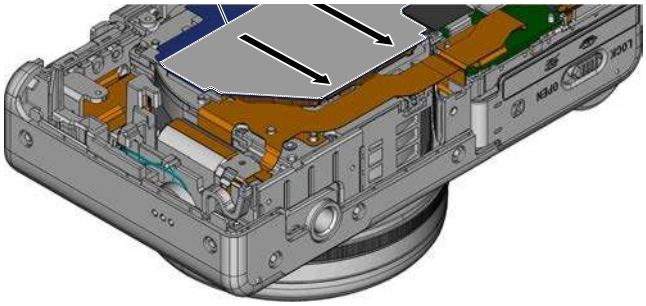

2 SY insulation sheet A
3 Align the three holes to paste the SY insulation sheet A.
1 SY heat sink
front side
bottom side
5 Fold back the SY insulation sheet A and paste.
rear side
6 Paste the SY insulation sheet A along the shape.
7 SY sheet TIM
guide line
4 Paste the SY insulation sheet A along the shape.
guide line
0 to 1.0
rear side
8 gasket L
0 to 1.0

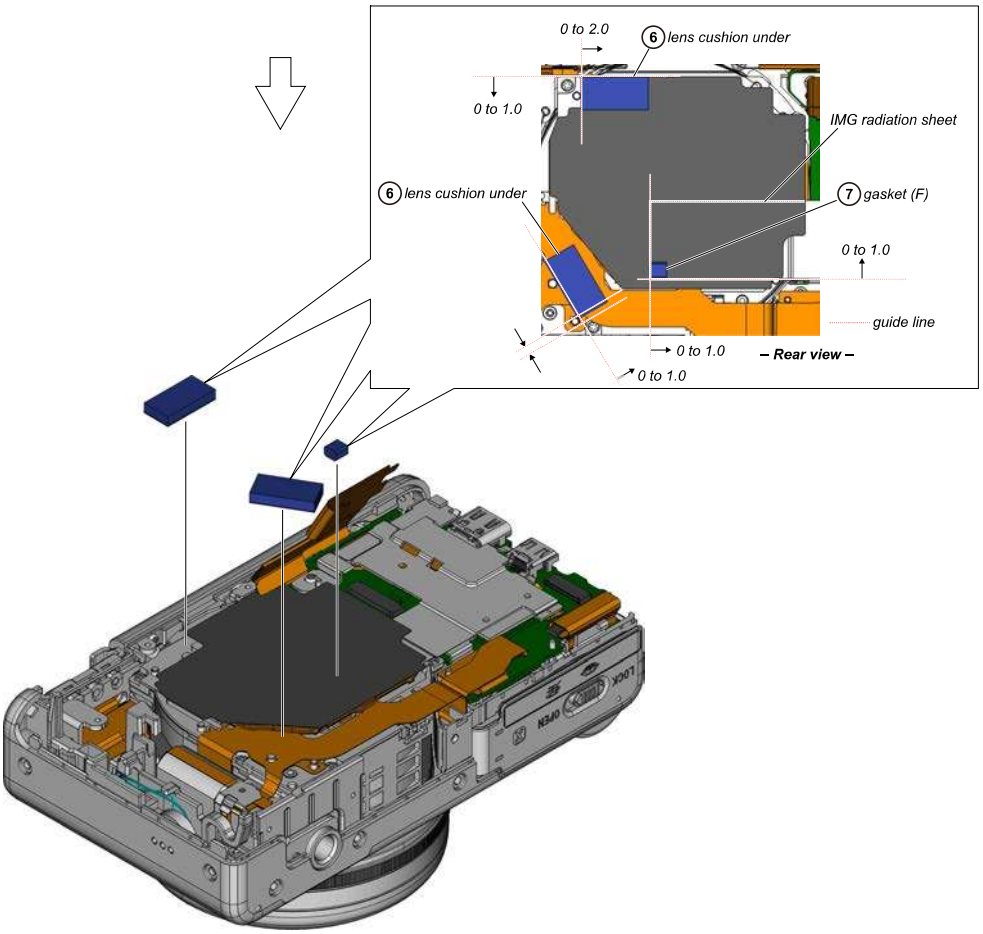

bottom side

# 21. SY HEAT SINK BLOCK

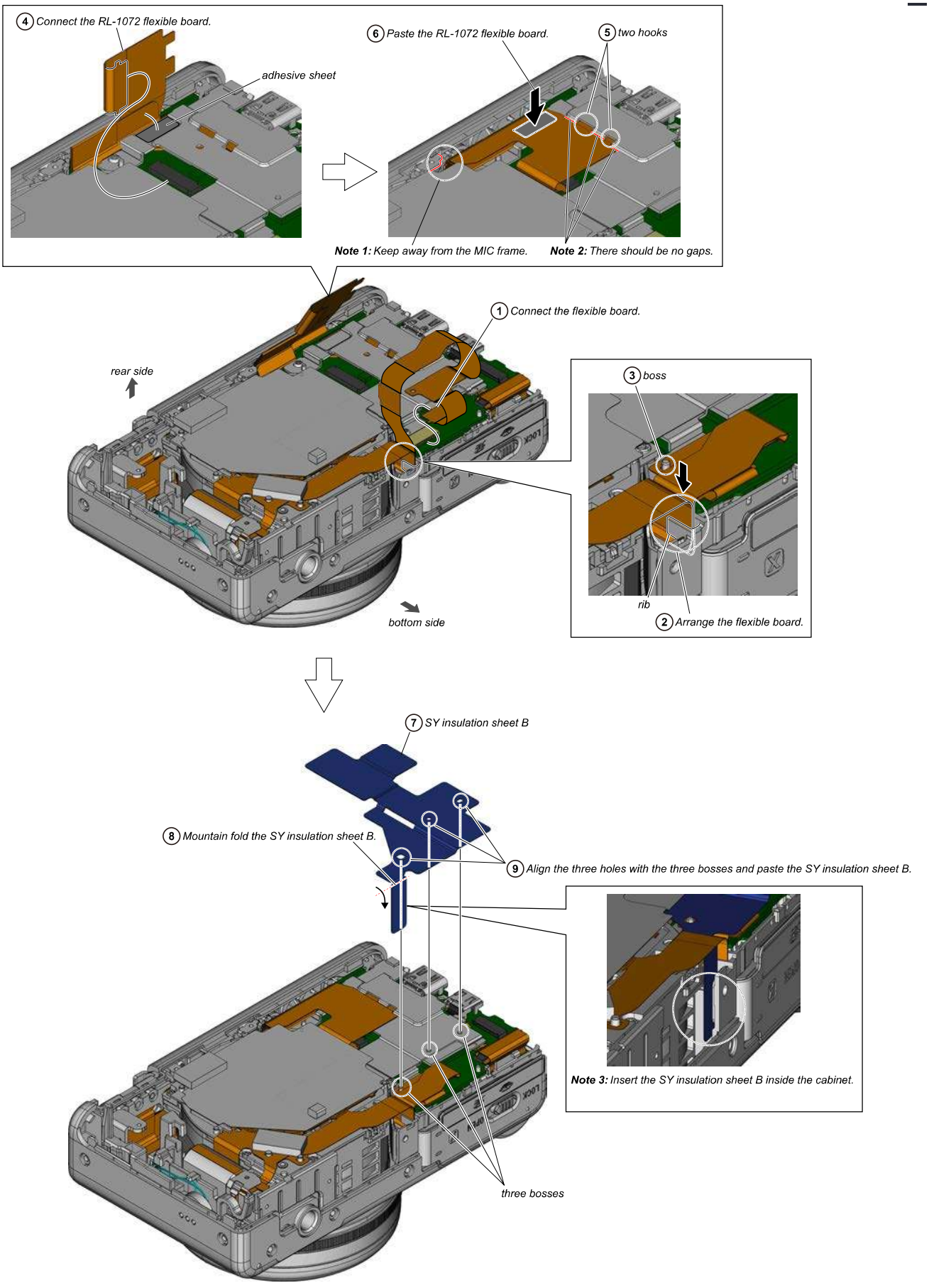



1 IMG radiation sheet
Note 1: This parts be not reused.
Be sure to replace them with new parts.
– Rear view –
0 to 0.5
Note 2: Be careful not to ride on the boss.
0 to 1.0
guide line
rear side
bottom side
3 Peel off
the upper release paper .
2 interception sheet
– Front view –
Note 3: This parts be not reused.
Be sure to replace them with new parts.
4 Paste the interception sheet.
±0.5
±0.5
– Rear view –
guide line
5 Peel off the rest of the release paper and paste the interception sheet.

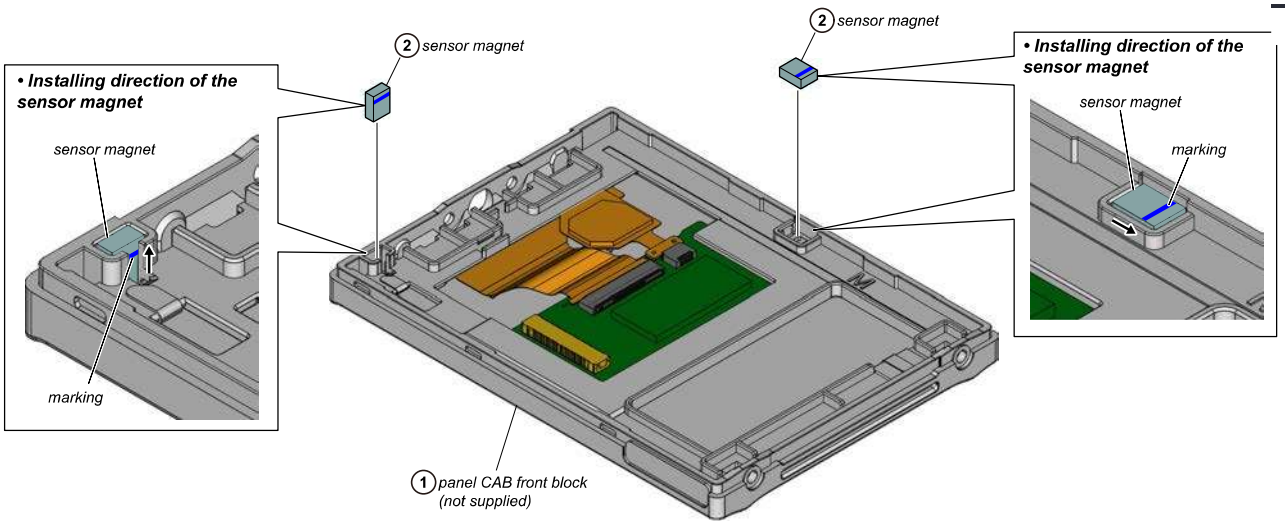


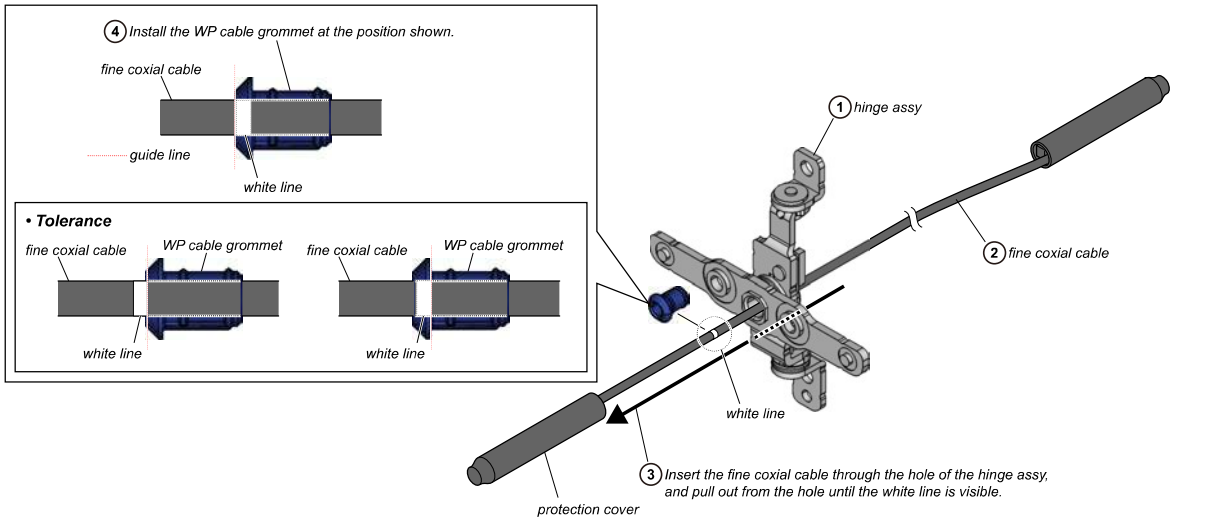

0 to 2.0
6 lens cushion under
0 to 1.0
IMG radiation sheet
6 lens cushion under
7 gasket (F)
0 to 1.0
guide line
0 to 1.0
0 to 1.0
– Rear view –

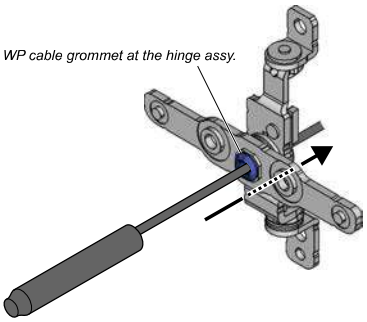
# 23. SY INSULATION SHEET B

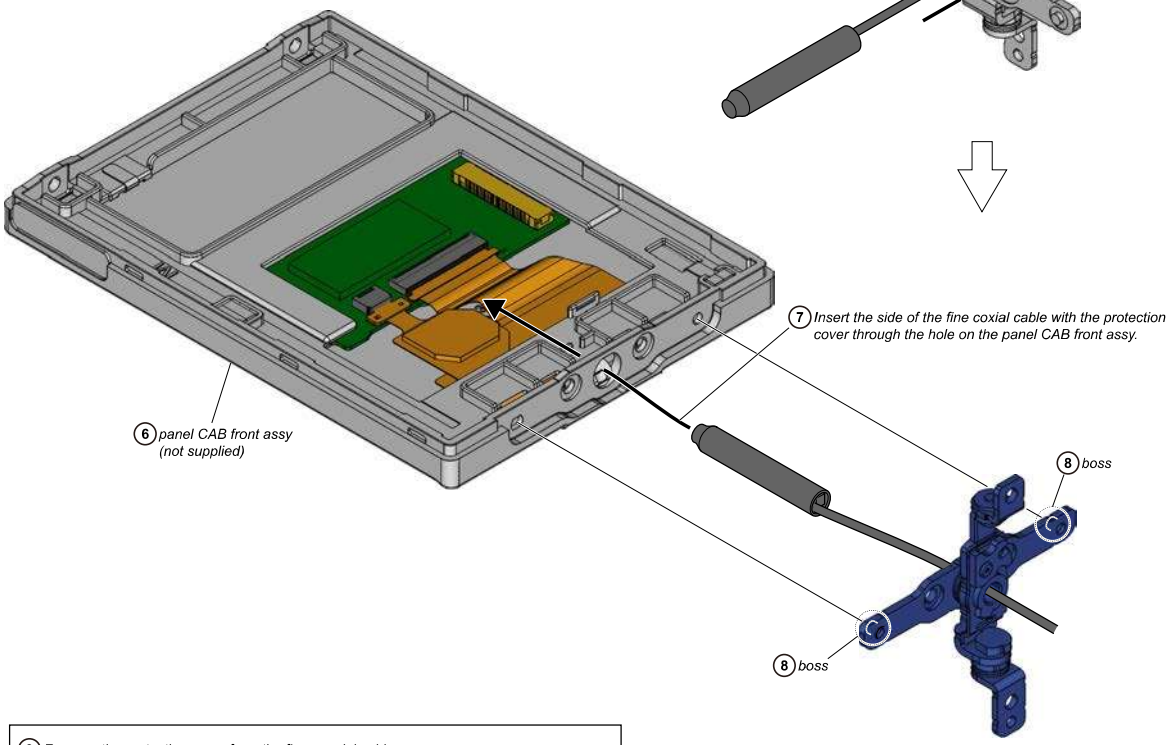


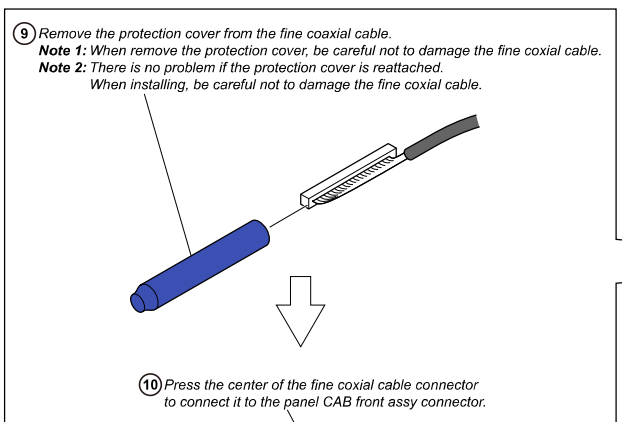
# 24. SENSOR MAGNET

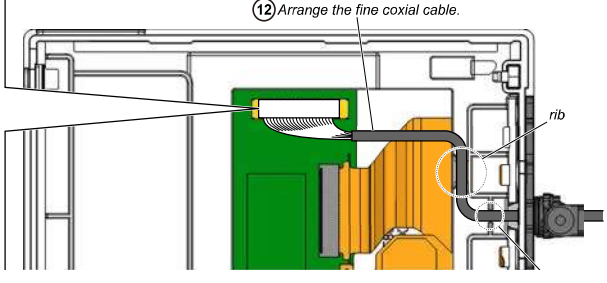


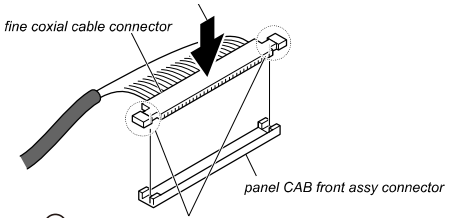

4 Install the WP cable grommet at the position shown.
fine coxial cable
guide line
white line
• Tolerance
fine coxial cable
WP cable grommet
white line
fine coxial cable
WP cable grommet
white line
1 hinge assy
2 fine coxial cable
white line
3 Insert the fine coxial cable through the hole of the hinge assy, and pull out from the hole until the white line is visible.
protection cover


5 Install the WP cable grommet at the hinge assy.

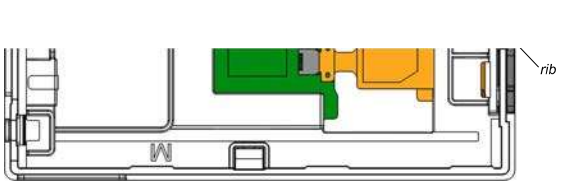

6 panel CAB front assy (not supplied)
7 Insert the side of the fine coxial cable with the protection cover through the hole on the panel CAB front assy.
8 boss
8 boss


9 Remove the protection cover from the fine coaxial cable.
Note 1: When remove the protection cover, be careful not to damage the fine coxial cable.
Note 2: There is no problem if the protection cover is reattached.
When installing, be careful not to damage the fine coxial cable.
10 Press the center of the fine coxial cable connector to connect it to the panel CAB front assy connector.

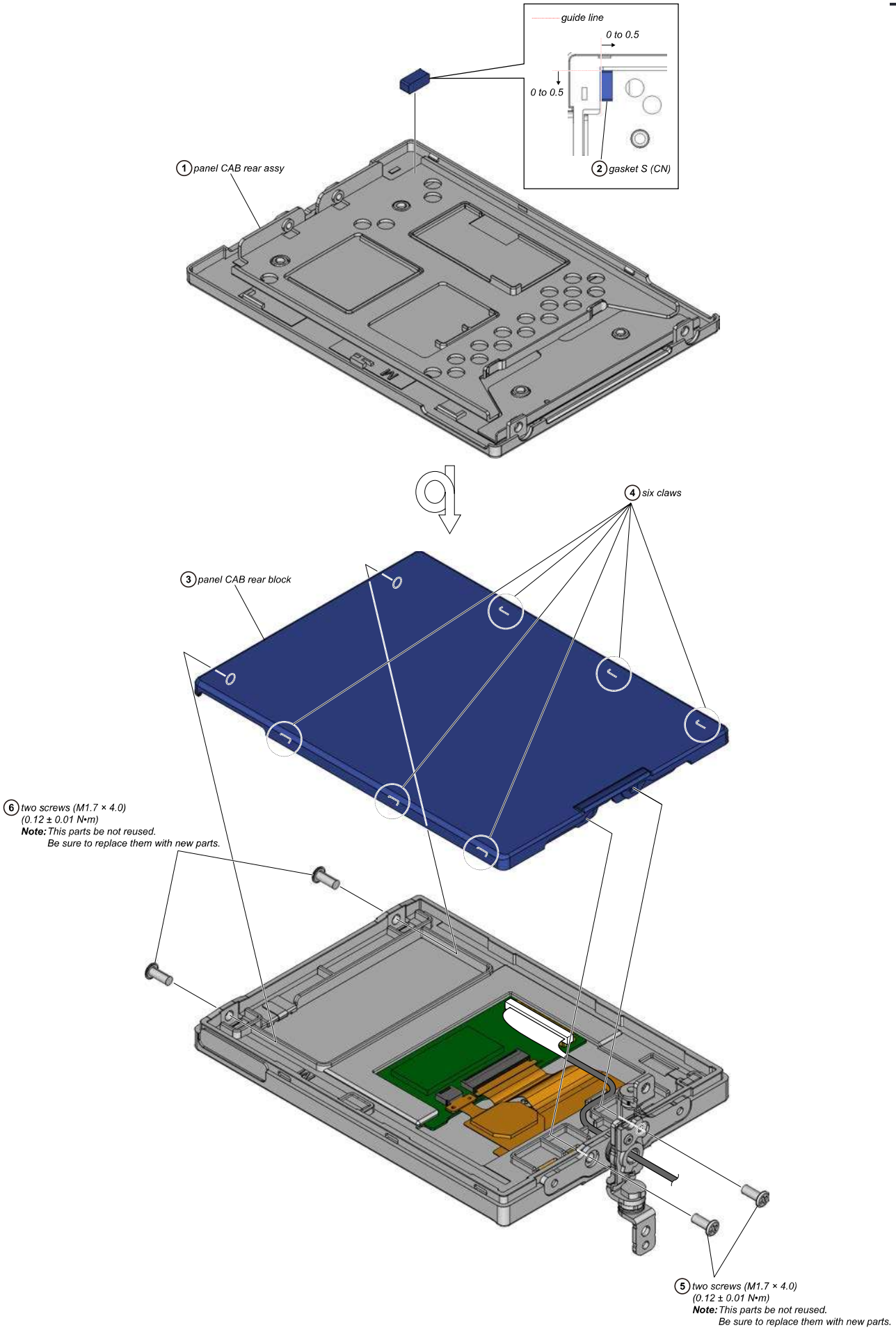

12 Arrange the fine coxial cable.
rib



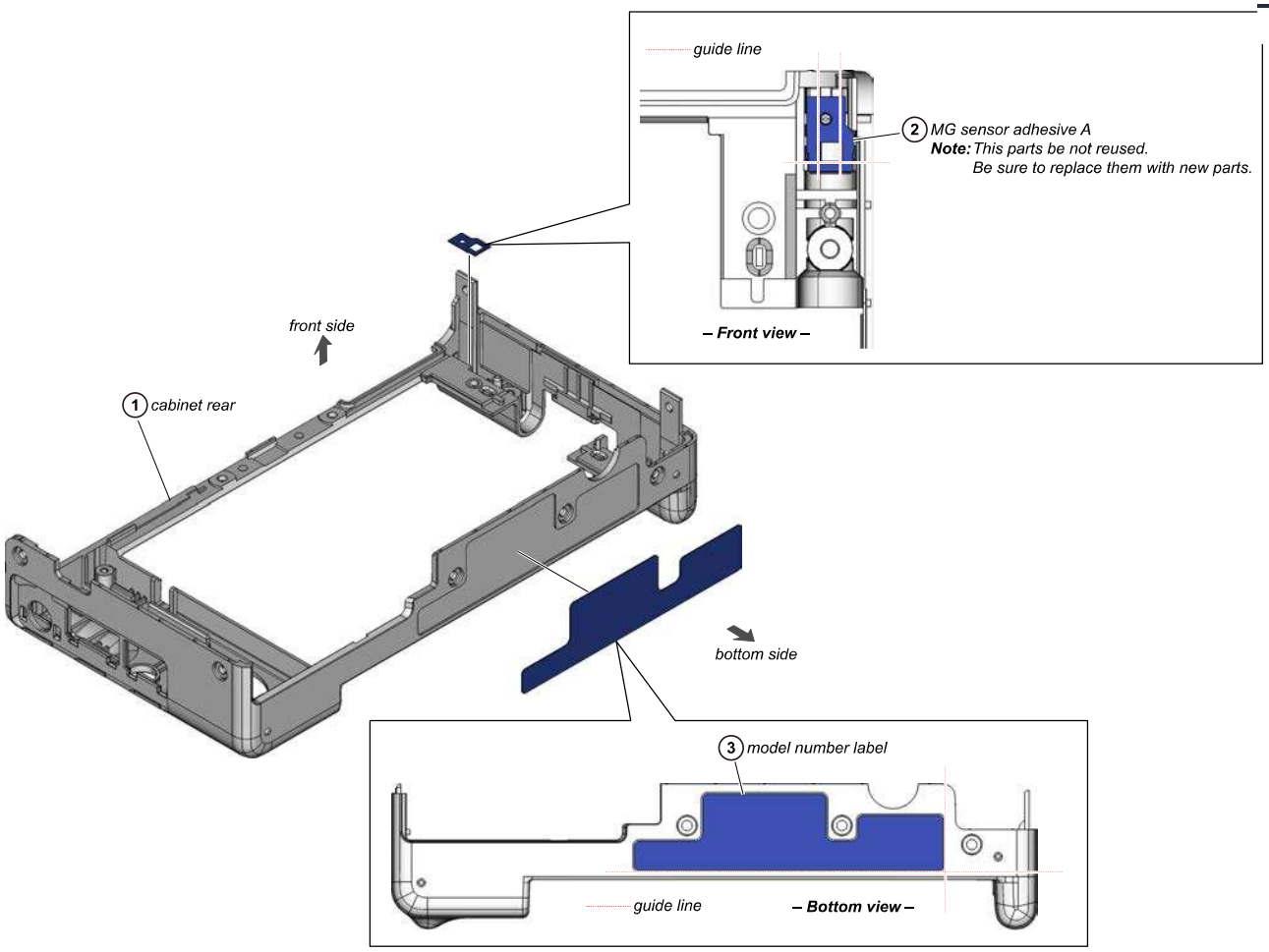

(11) Press the resin parts on both ends of the fine coxial cable connector to attach it to the panel CAB front assy connector.

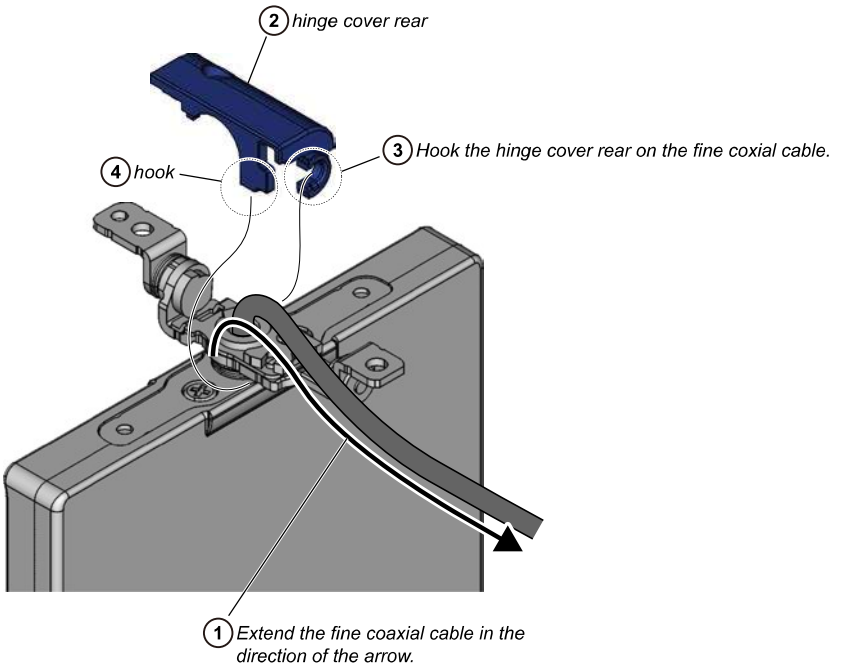


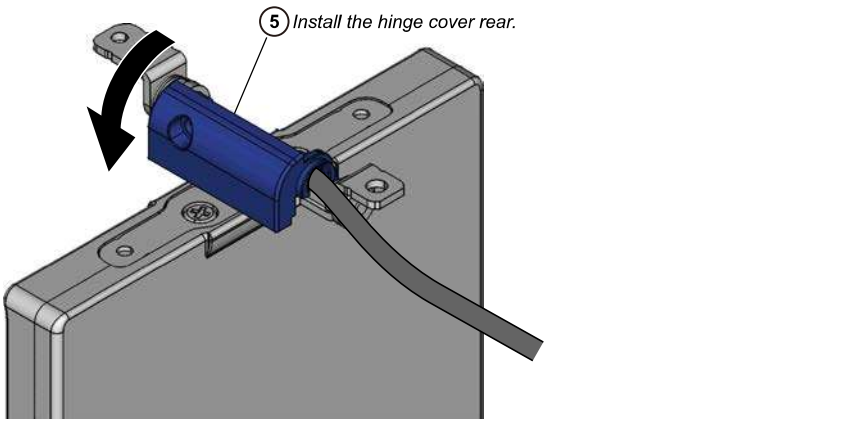
# 26. PANEL CAB REAR ASSY

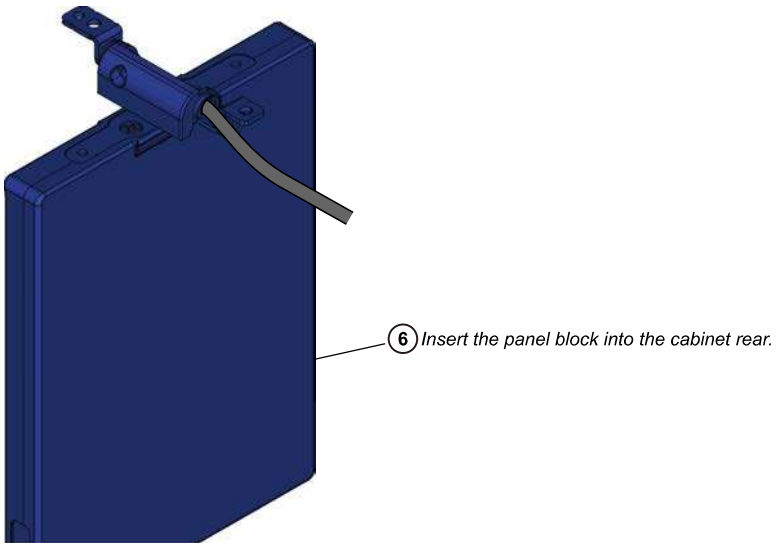


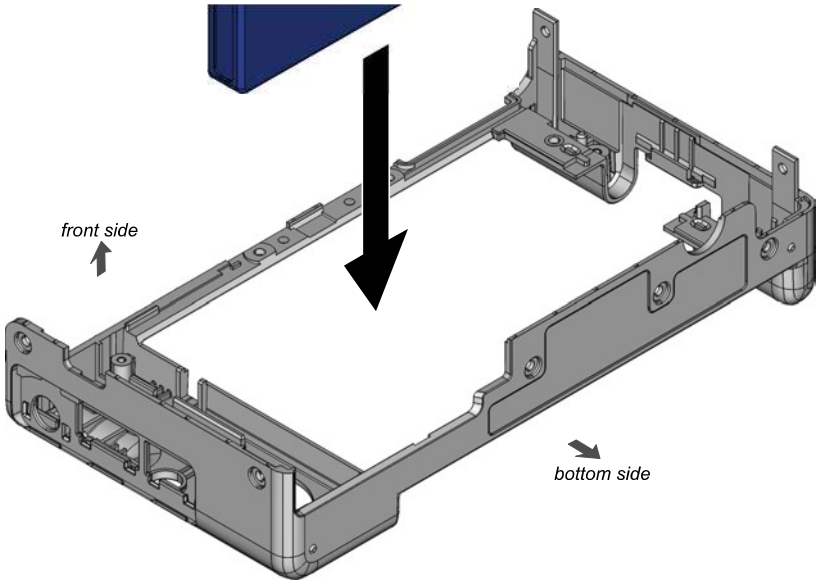
# 27. MG SENSOR ADHESIVE A

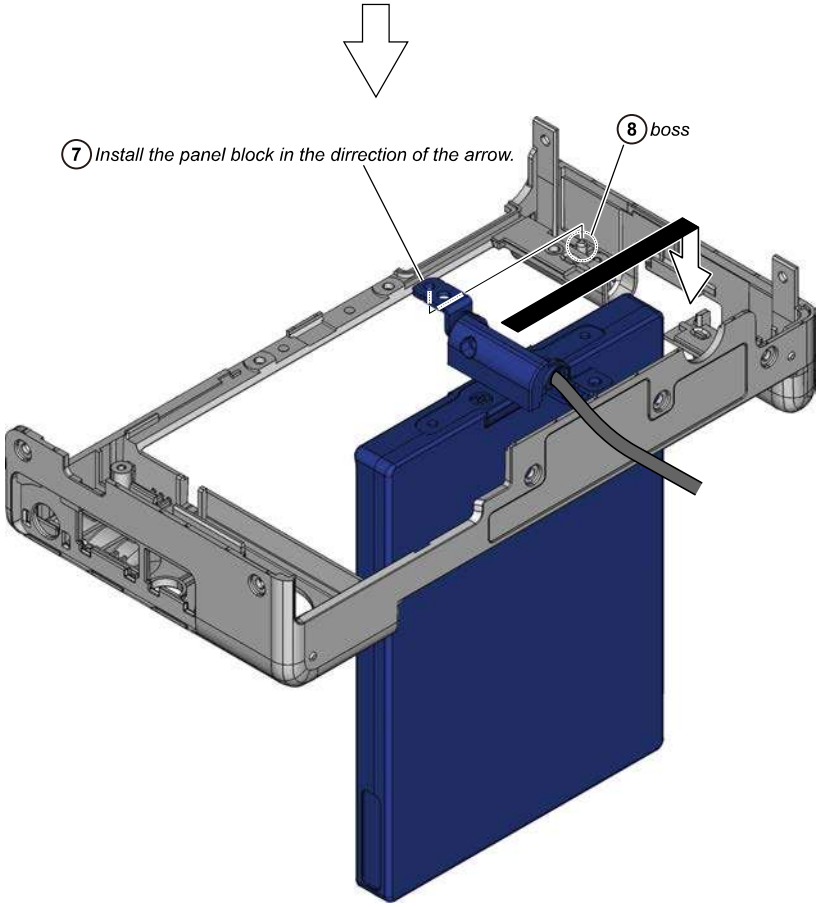



2 hinge cover rear
3 Hook the hinge cover rear on the fine coxial cable.
4 hook
1 Extend the fine coaxial cable in the direction of the arrow.

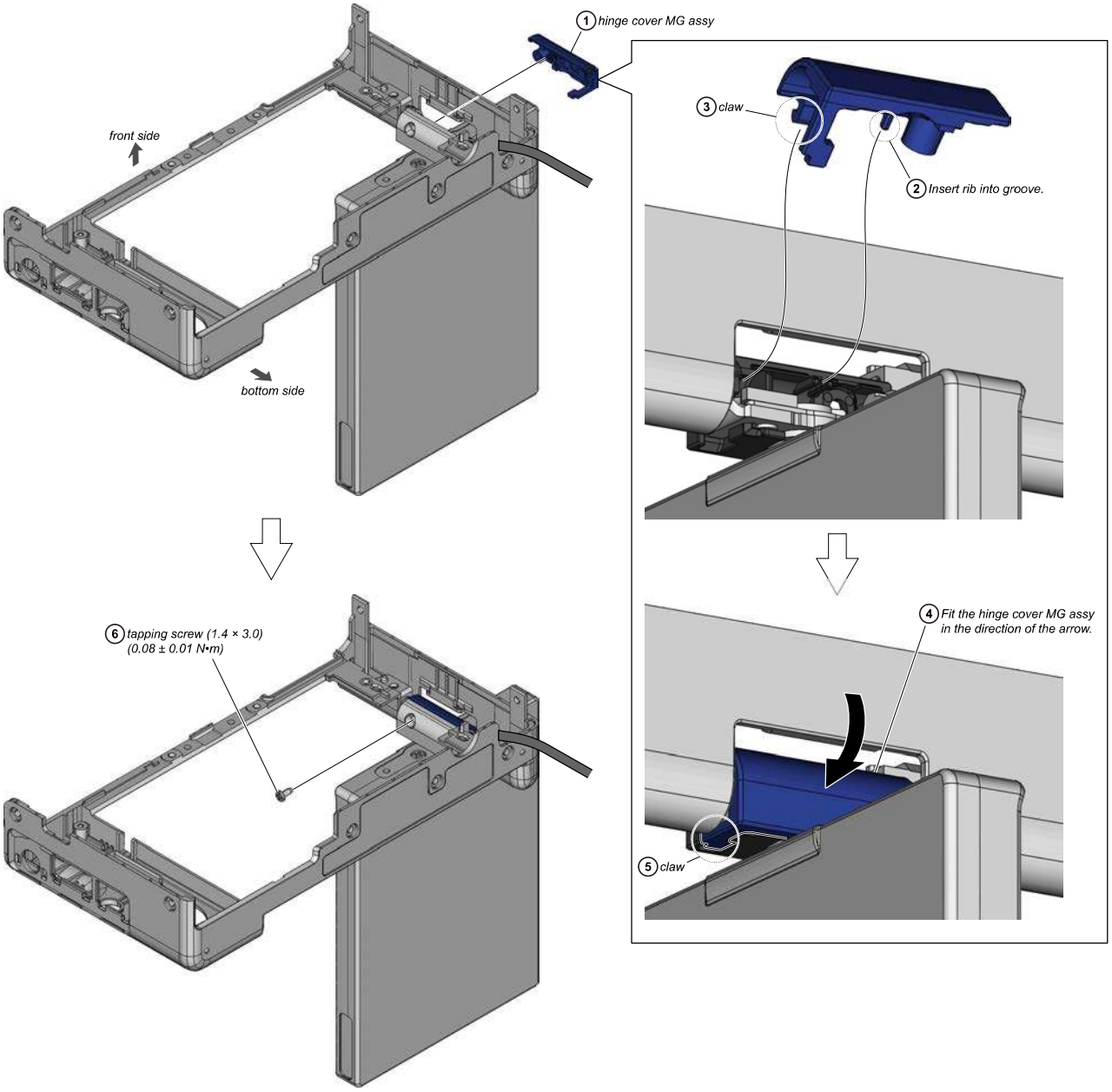

5 Install the hinge cover rear.


6 Insert the panel block into the cabinet rear.

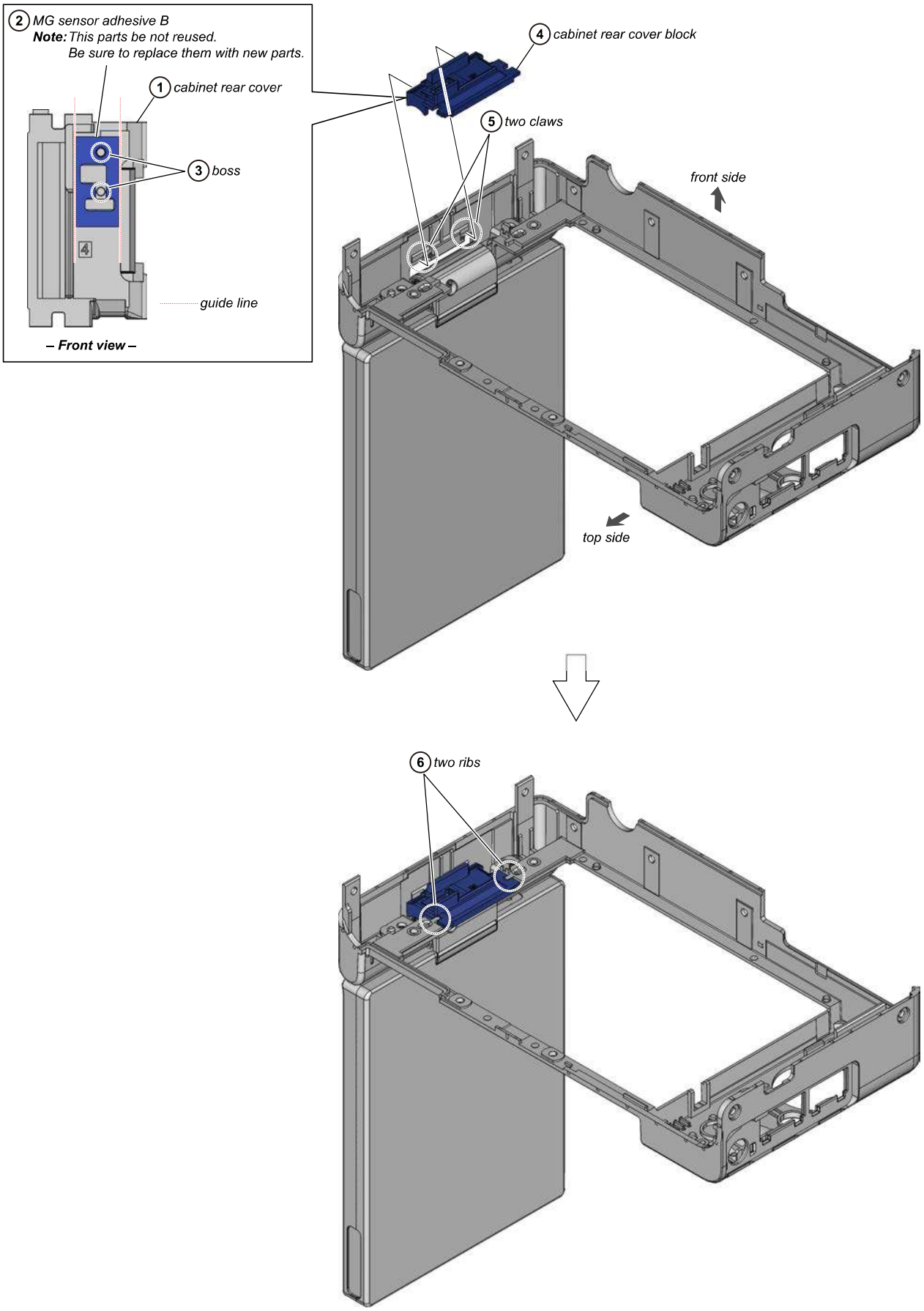

front side
bottom side


7 Install the panel block in the dirrection of the arrow.
8 boss

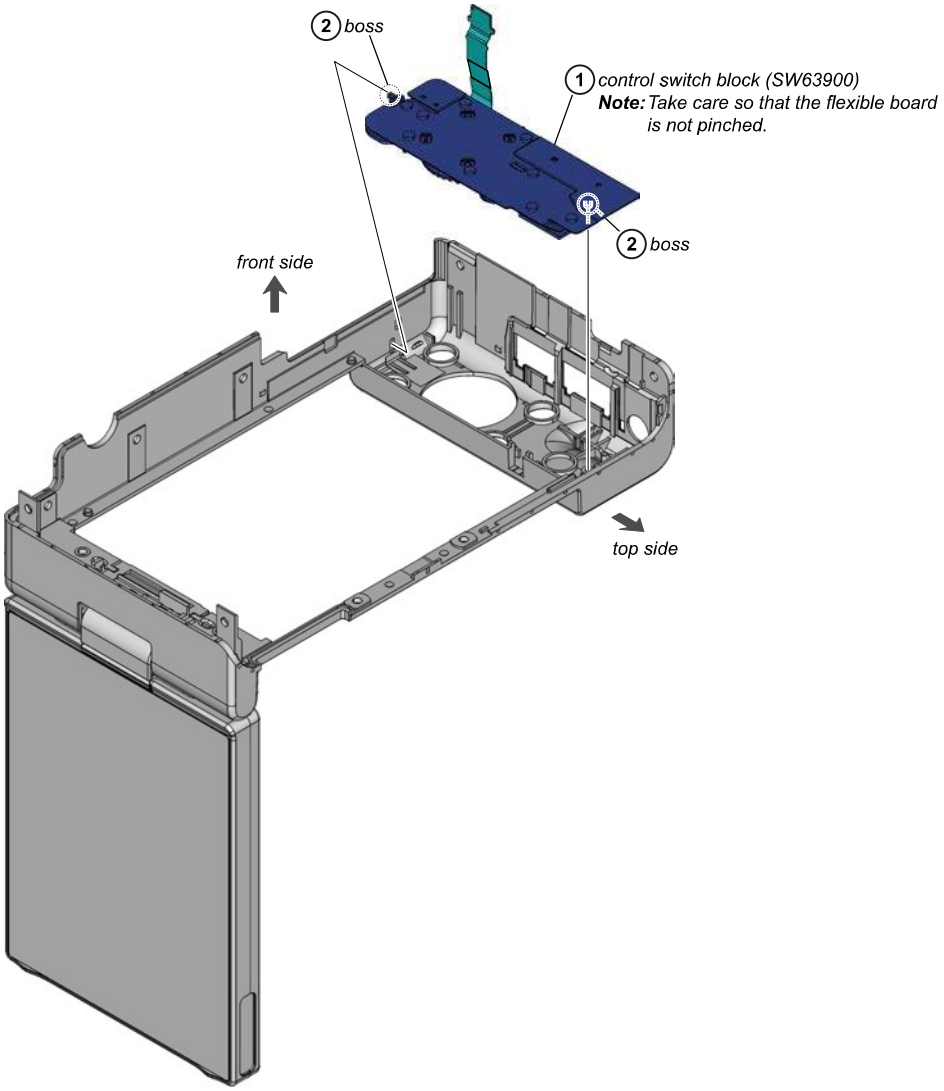
# 29. HINGE COVER MG ASSY

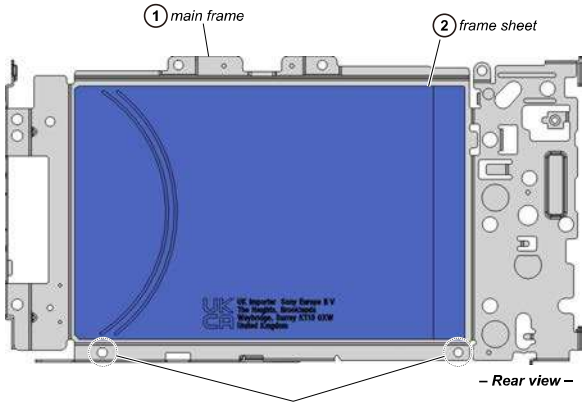


# 30. CABINET REAR COVER



# 31. CONTROL SWITCH BLOCK (SW63900)



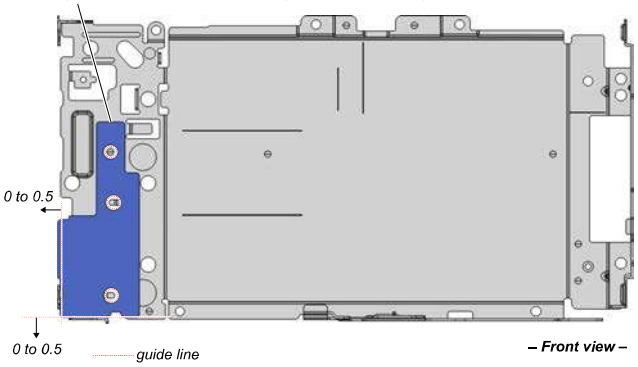


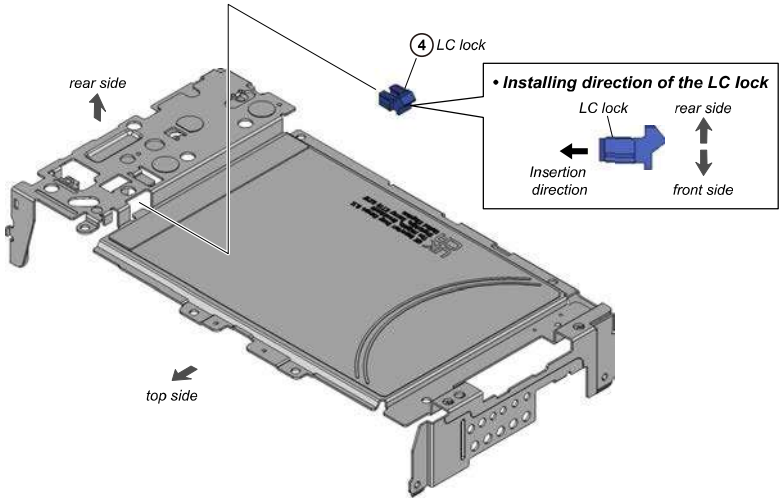

**Note 1:** *Align the holes in the mounting paper of the frame sheet and paste it.*



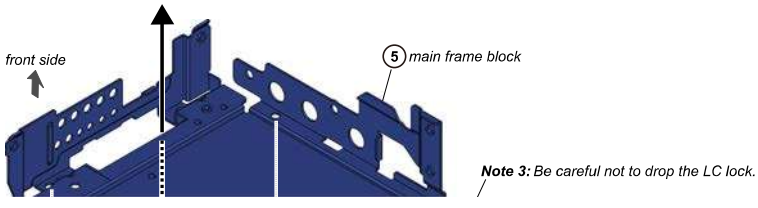
3 *main frame insulation*

**Note 2:** *This parts be not reused. Be sure to replace them with new parts.*

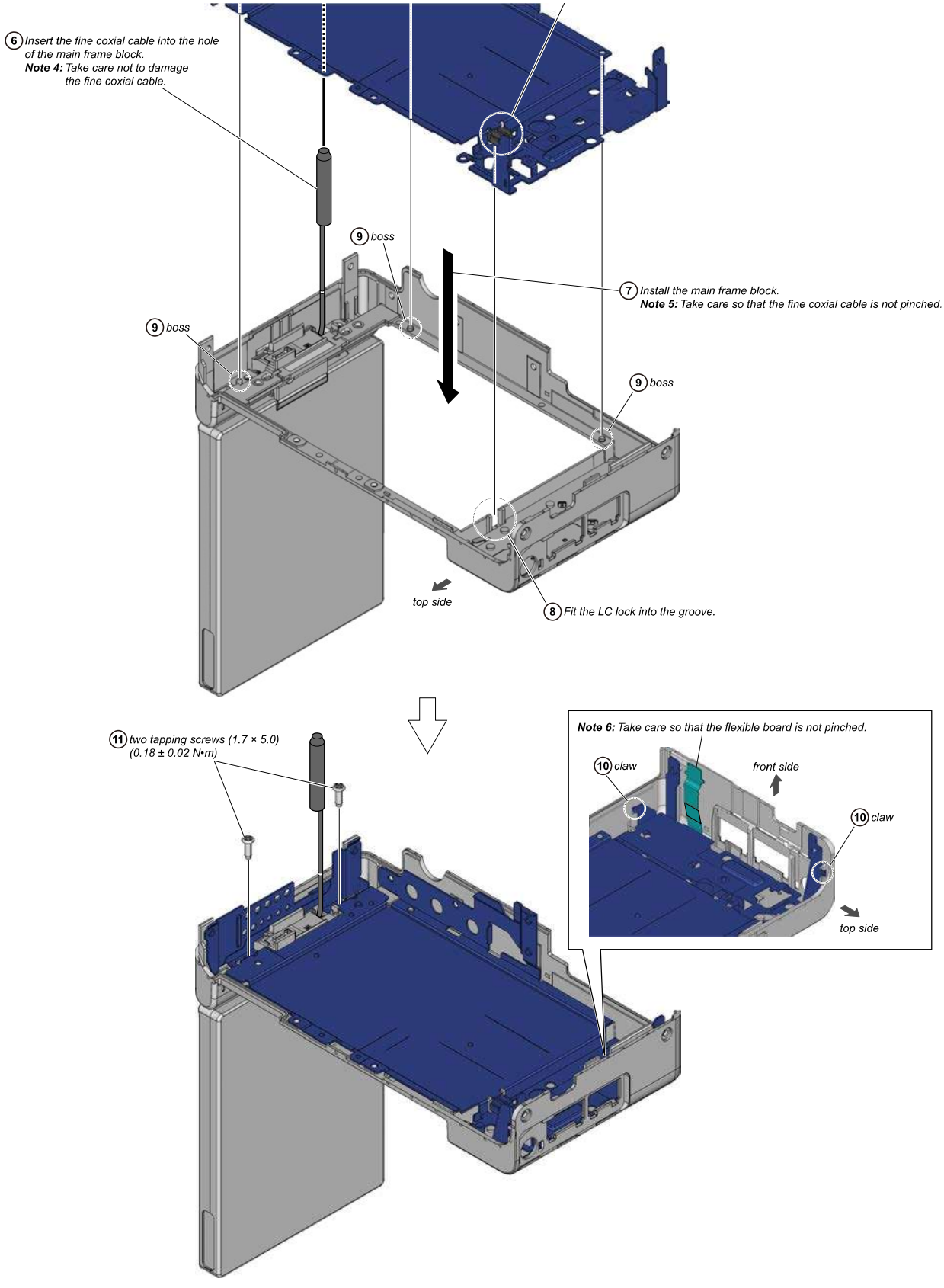


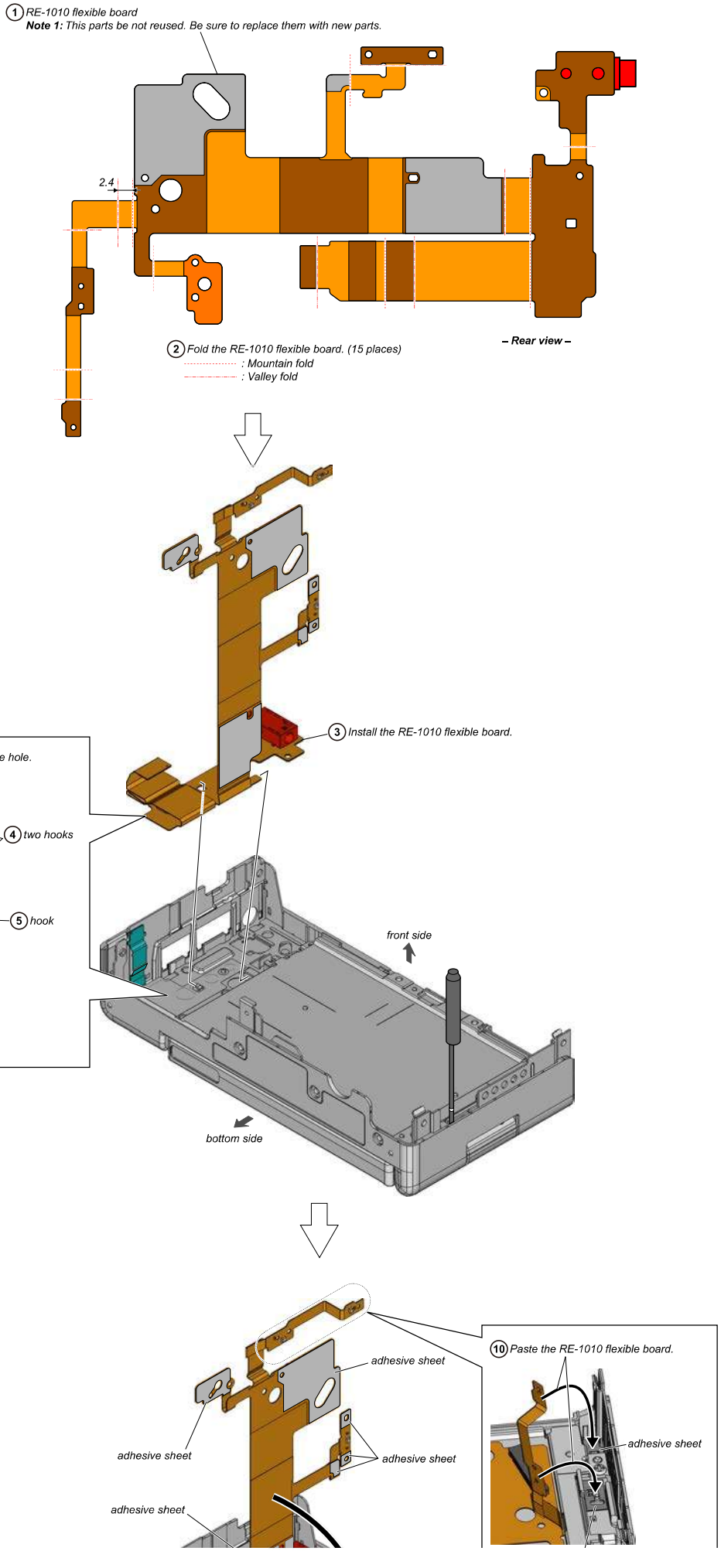



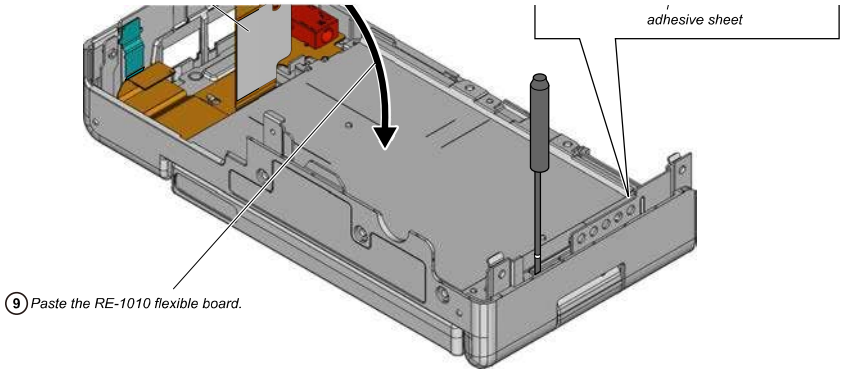


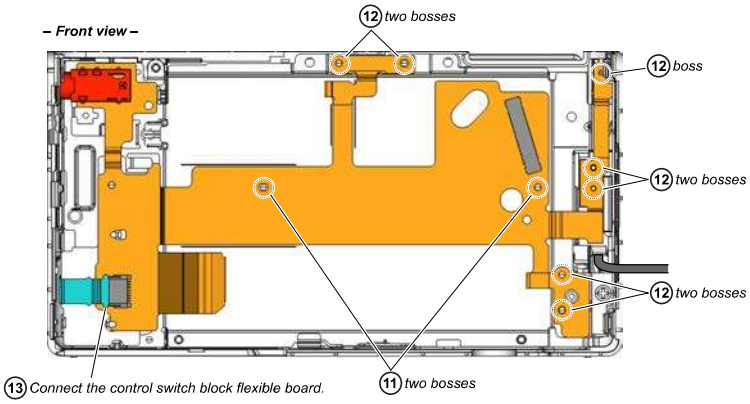




**Note 3:** *Be careful not to drop the LC lock.*

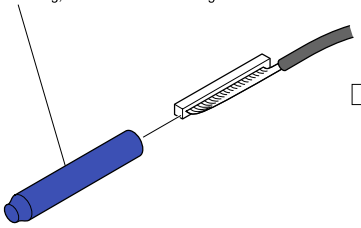

6 Insert the fine coxial cable into the hole of the main frame block.
Note 4: Take care not to damage the fine coxial cable.
9 boss
7 Install the main frame block.
Note 5: Take care so that the fine coxial cable is not pinched.
9 boss
9 boss
top side
8 Fit the LC lock into the groove.
11 two tapping screws (1.7 × 5.0)
(0.18 ± 0.02 N•m)
Note 6: Take care so that the flexible board is not pinched.
10 claw
front side
10 claw
top side


1 RE-1010 flexible board
Note 1: This parts be not reused. Be sure to replace them with new parts.
2.4
– Rear view –
2 Fold the RE-1010 flexible board. (15 places)
: Mountain fold
: Valley fold
3 Install the RE-1010 flexible board.
8 Insert the MIC jack into the hole.
4 two hooks
7 boss
5 hook
6 hook
– Front view –
front side
bottom side
adhesive sheet
adhesive sheet
adhesive sheet
adhesive sheet
10 Paste the RE-1010 flexible board.
adhesive sheet

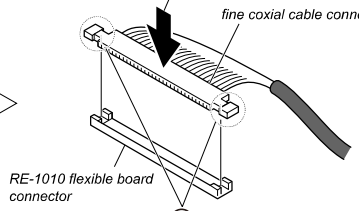


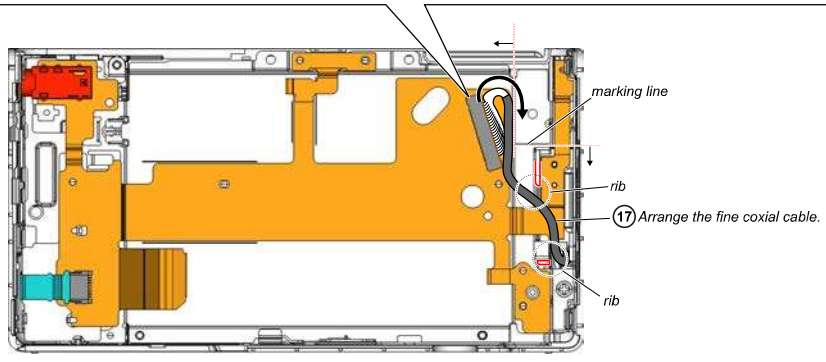

14 Remove the protection cover from the fine coaxial cable.
**Note 2:** When remove the protection cover, be careful not to damage the fine coaxial cable.
**Note 3:** There is no problem if the protection cover is reattached.
When installing, be careful not to damage the fine coaxial cable.

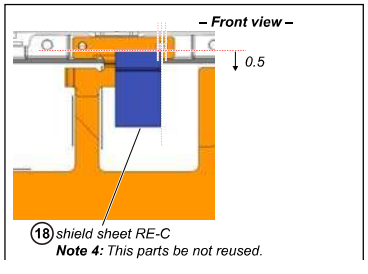


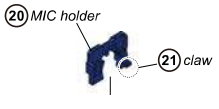
15 Press the center of the fine coxial cable connector to connect it to the RE-1010 flexible board connector.



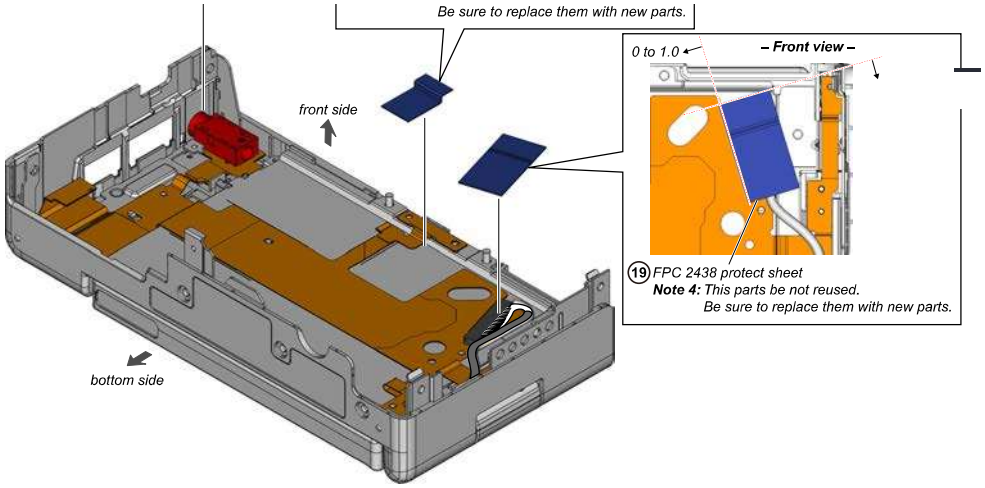

16 Press the resin parts on both ends of the fine coxial cable connector to attach it to the RE-1010 flexible board connector.



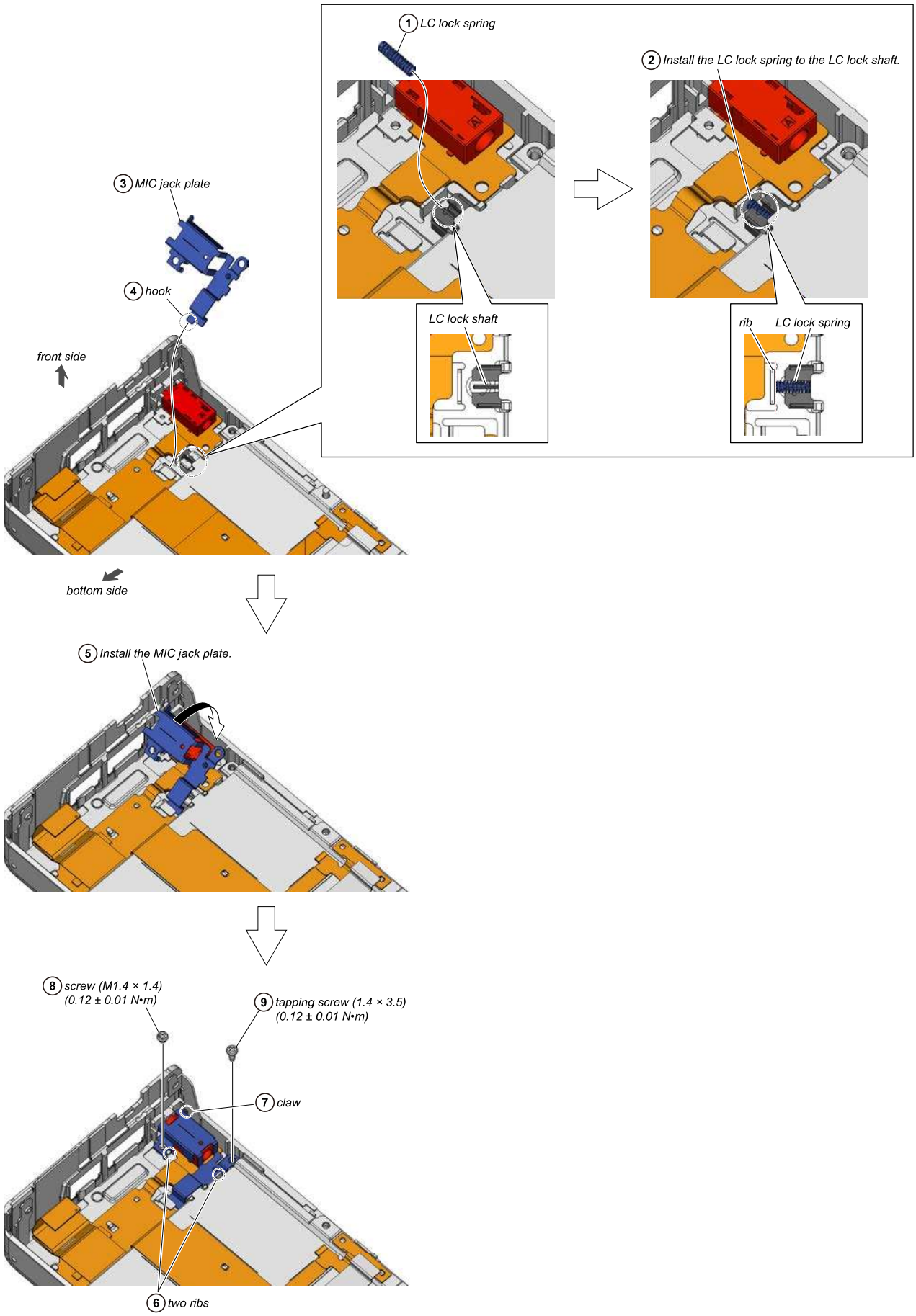



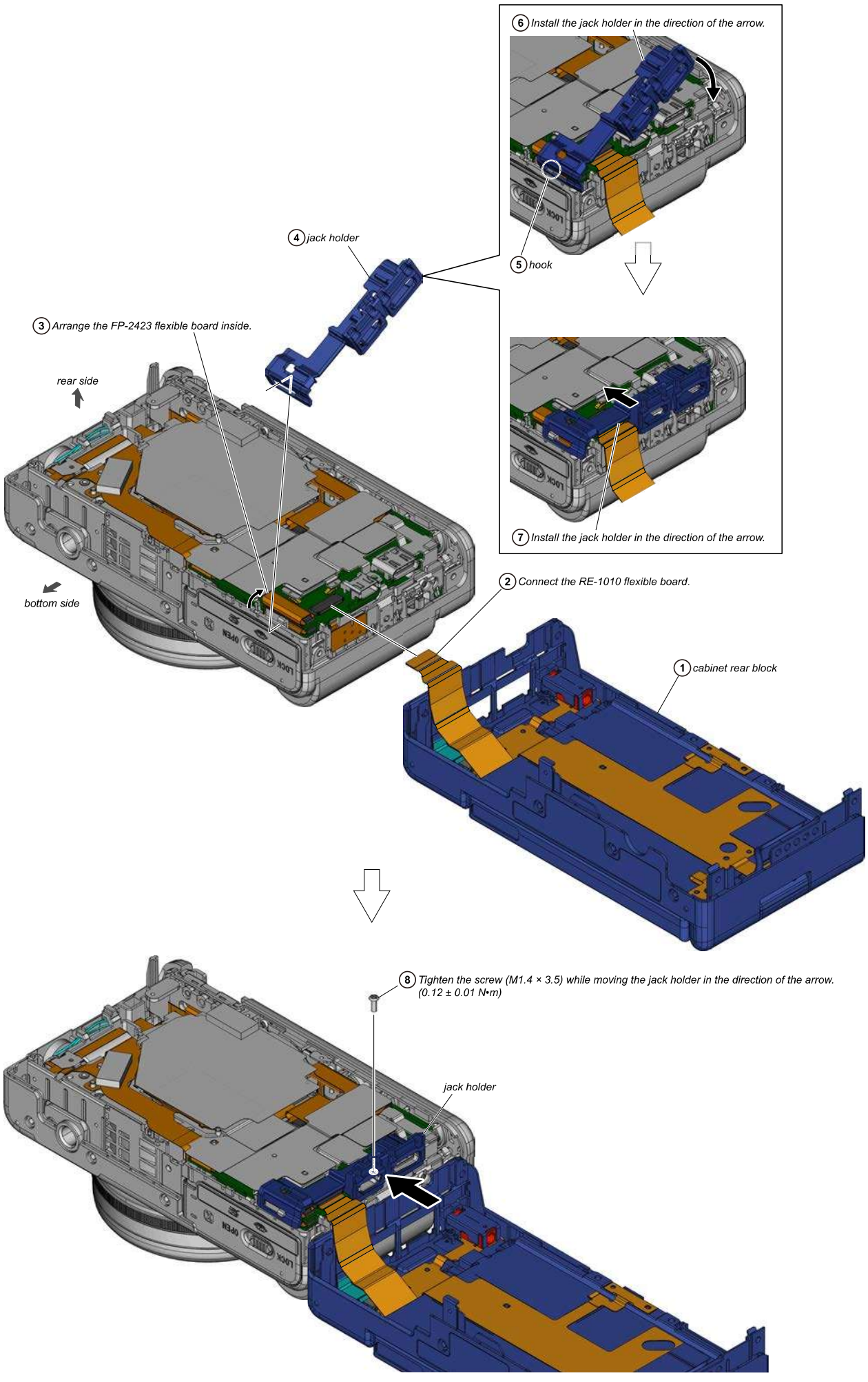



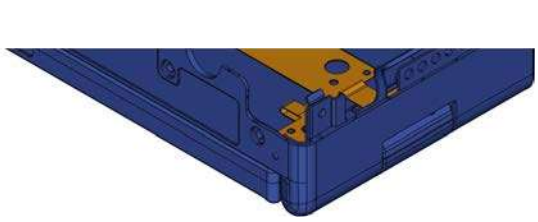

18 shield sheet RE-C
**Note 4:** This parts be not reused.

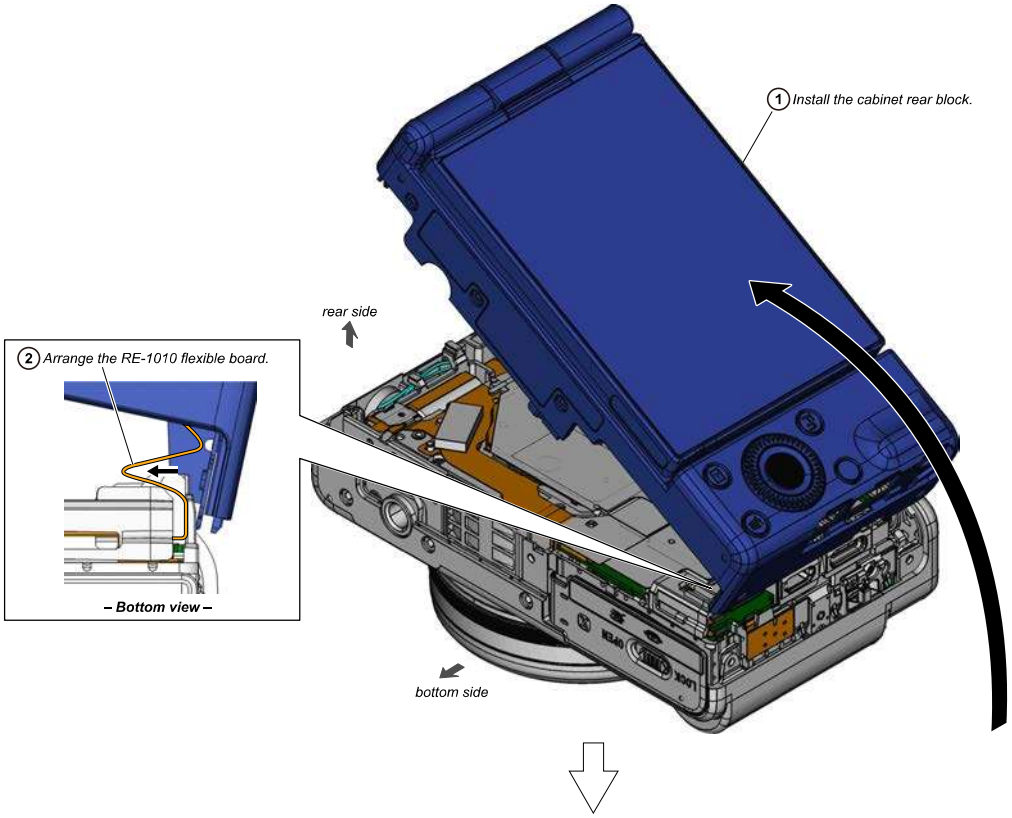

Be sure to replace them with new parts.
front side
bottom side
0 to 1.0
– Front view –
19 FPC 2438 protect sheet
Note 4: This parts be not reused.
Be sure to replace them with new parts.

# 34. LC LOCK SPRING



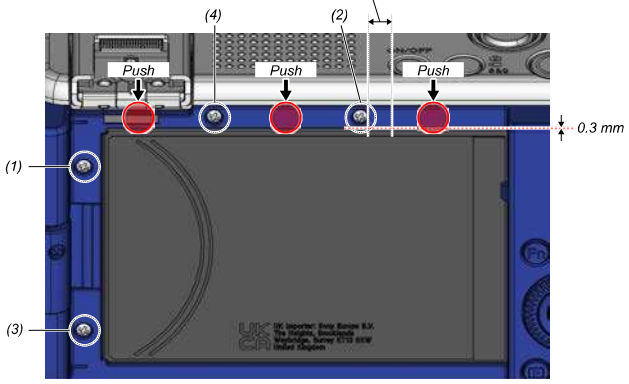

6 Install the jack holder in the direction of the arrow.
4 jack holder
5 hook
3 Arrange the FP-2423 flexible board inside.
rear side
bottom side
7 Install the jack holder in the direction of the arrow.
2 Connect the RE-1010 flexible board.
1 cabinet rear block
8 Tighten the screw (M1.4 × 3.5) while moving the jack holder in the direction of the arrow.
(0.12 ± 0.01 N•m)
jack holder



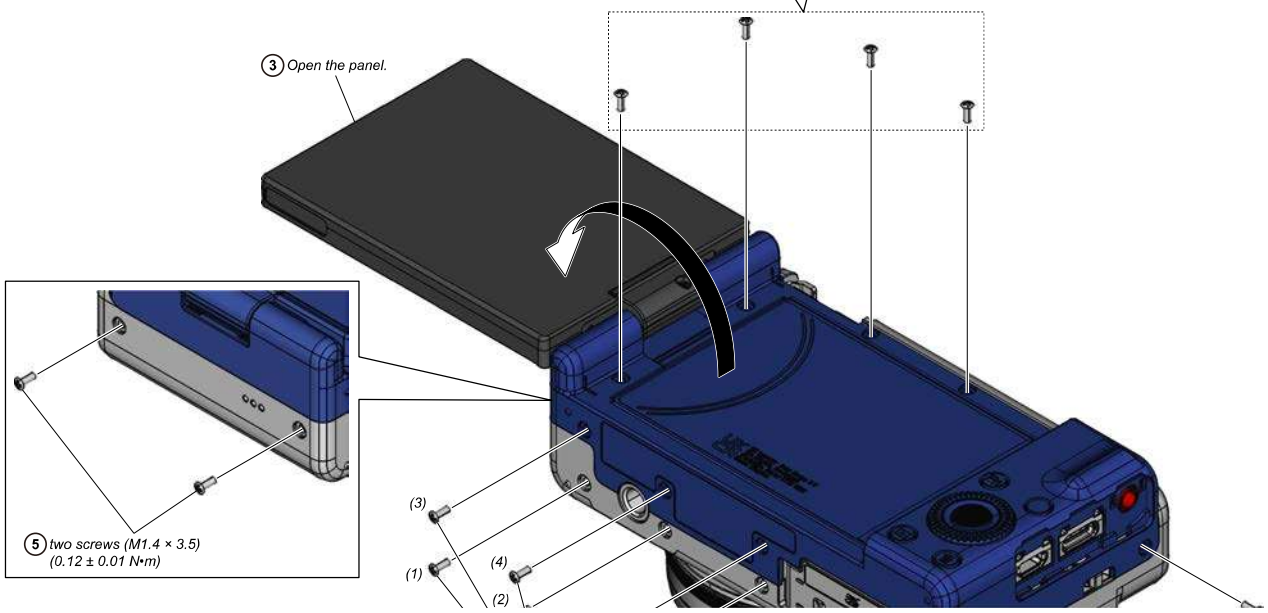


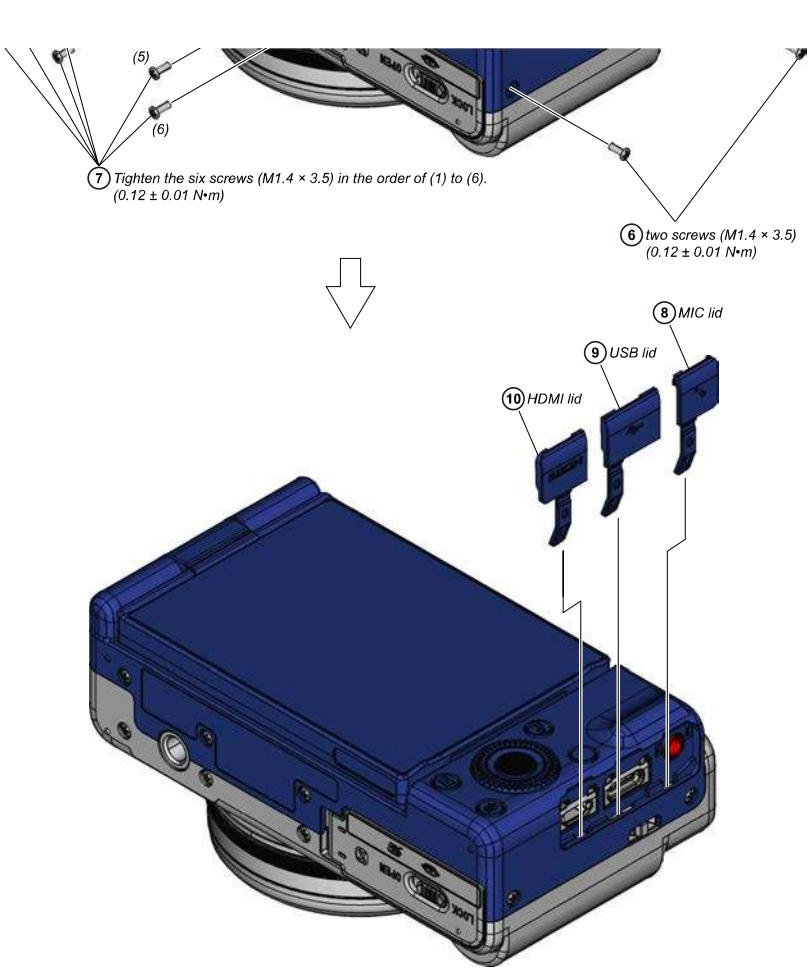

4 Tighten the four screws (M1.4 × 3.5) in the order of (1) to (4) while pressing the 3 points circled in red.
(0.12 ± 0.01 N•m)

**Note 1:** Make sure the gap between cabinet rear and main frame in this range is 0.3mm.
**Note 2:** Make sure that the LED light inside the cabinet is not leaking.




– Rear view –




(5)
(6)
7 Tighten the six screws (M1.4 × 3.5) in the order of (1) to (6).
(0.12 ± 0.01 N•m)
6 two screws (M1.4 × 3.5)
(0.12 ± 0.01 N•m)
8 MIC lid
9 USB lid
10 HDMI lid

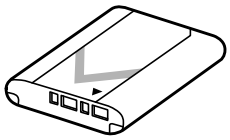
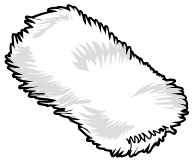
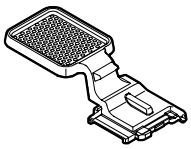
# SUPPLIED ACCESSORIES

## Note

Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

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

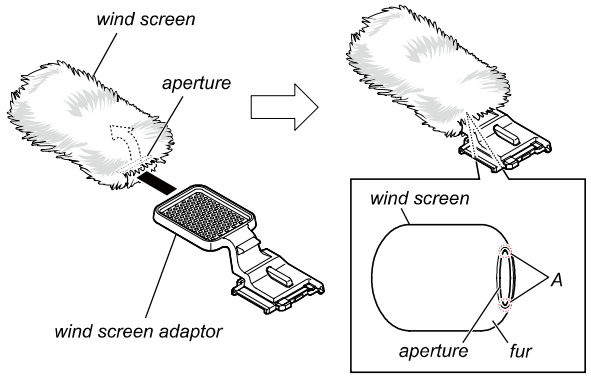
Click the part image to enlarge the image.

| Ref. No. | Product | Part No. | Description |
|---|---|---|---|
| * | | 504960111 | MANUAL, INSTRUCTION (Startup Guide) (ENGLISH) (Made in China) |
| * | | 504960171 | MANUAL, INSTRUCTION (Startup Guide) (FRENCH, SPANISH) (Made in China) |
| * | | 505167511 | MANUAL, INSTRUCTION (Startup Guide) (ENGLISH) (Made in Thailand) |
| * | | 505167571 | MANUAL, INSTRUCTION (Startup Guide) (FRENCH, SPANISH) (Made in Thailand) |
| ⚠901 |  | 802235931 | Rechargeable Battery Pack (NP-BX1/UC) |
| 902 |  | 504179701 | Wind screen (BLACK) (Note) |
| | | 504179711 | Wind screen (WHITE) (Note) |
| 903 |  | 501721601 | Wind screen adaptor (BLACK) (Note) |
| | | 501721611 | Wind screen adaptor (WHITE) (Note) |

**Note**

***How to attach the Wind Screen Frame to the Wind Screen***

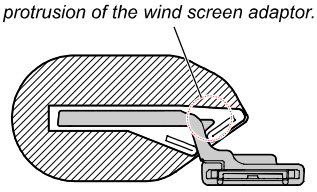
*1. Insert the wind screen adaptor all the way through the aperture in the wind screen.*
*2. Pull the A part of the wind screen opening and hook it on the protrusion of the wind screen adaptor.*







*Hook the indentation of the wind screen on the protrusion of the wind screen adaptor.*



***– Cross section –***

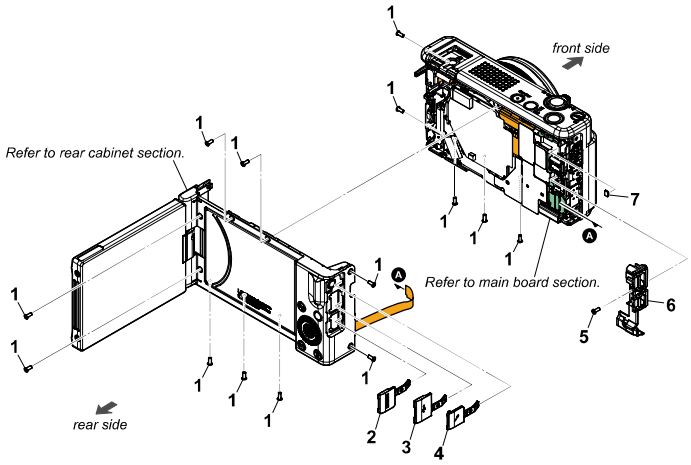
# EXPLODED VIEWS

**Note**

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

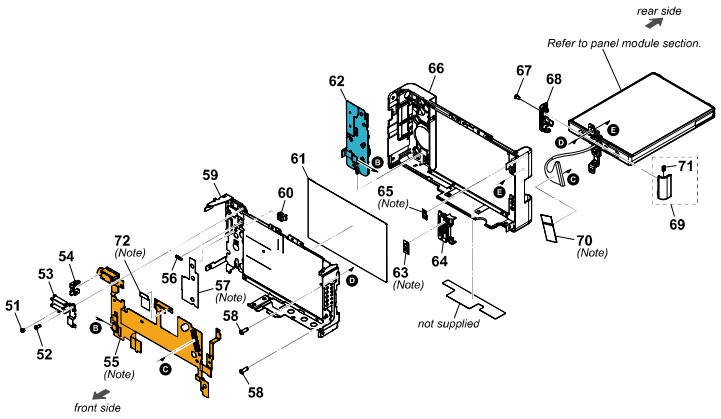
The components identified by mark ⚠ or dotted line with mark are critical for safety.
Replace only with part number specified.

## OVERALL SECTION




| Ref. No. | Part No. | Description |
|---|---|---|
| 1 | 441276901 | SCREW (M1.4), NEW TRU-STAR, P2 (L= 3.5 mm) (BLACK) |
| 1 | 426475101 | SCREW (M1.4), NEW TRU-STAR (L = 3.5 mm) (WHITE) |
| 2 | 503381101 | HDMI LID (64700) (BK) (BLACK) |
| 2 | 503381111 | HDMI LID (64700) (WH) (WHITE) |
| 3 | 503262601 | USB LID (64700) (BK) (BLACK) |
| 3 | 503262611 | USB LID (64700) (WH) (WHITE) |
| 4 | 503262701 | MIC LID (64700) (BK) (BLACK) |
| 4 | 503262711 | MIC LID (64700) (WH) (WHITE) |
| 5 | 426475101 | SCREW (M1.4), NEW TRU-STAR (L = 3.5 mm) |
| 6 | 503261801 | HOLDER (64700), JACK |
| 7 | 468556711 | GASKET L |

# REAR CABINET SECTION

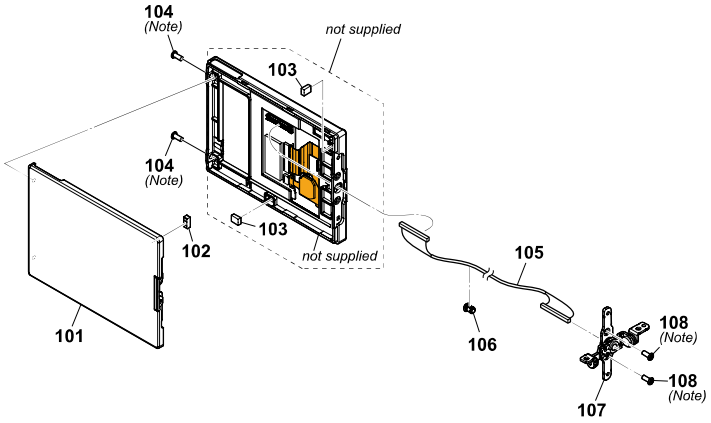



**Note**

This parts be not reused. Be sure to replace them with new parts.

| Ref. No. | Part No. | Description |
|---|---|---|
| 51 | 428743511 | SCREW (M1.4 EUROPE) TYPE (L = 1.4 mm) |
| 52 | 334899851 | SCREW (M1.4X3.5), TAPPING, PAN |
| 53 | 503262501 | MIC JACK PLATE (64700) |
| 54 | 500056101 | HOLDER (64210), MIC |
| 55 | A5039765B | RE-1010 FLEXIBLE BOARD, COMPLETE (Note) |
| 56 | 501354501 | LC LOCK SPRING (64500) |
| 57 | 501355001 | MAIN FRAME INSULATION (64500) (Note) |
| 58 | 371379135 | SCREW (M1.7X5), TAPPING, P2 |
| 59 | 503262401 | MAIN FRAME (64700) |
| 60 | 501354401 | LC LOCK (64500) (BLACK) |
| 60 | 501354411 | LC LOCK (64500) (WHITE) |
| 61 | 501353802 | FRAME SHEET (64500) |
| 62 | 149043541 | SWITCH BLOCK, CONTROL (SW63900) (BLACK) |
| 62 | 149043551 | SWITCH BLOCK, CONTROL (SW63900) (WHITE) |
| 63 | 501483001 | MG SENSOR ADHESIVE B (64500) (Note) |
| 64 | 503527201 | CABINET REAR COVER (64700) (BK) (BLACK) |
| 64 | 503527211 | CABINET REAR COVER (64700) (WH) (WHITE) |
| 65 | 501355201 | MG SENSOR ADHESIVE A (64500) (Note) |
| 66 | 503262301 | CABINET REAR (64700) (BK) (BLACK) |
| 66 | 503262311 | CABINET REAR (64700) (WH) (WHITE) |
| 67 | 443388221 | TAPPING (1.4) (ECOLOGY) (L = 3.0 mm) (BLACK) |
| 67 | 334899841 | SCREW (M1.4X3), TAPPING, PAN (WHITE) |
| 68 | 501160401 | SV HINGE COVER REAR (BLACK) |
| 68 | 501160411 | SV HINGE COVER REAR (WHITE) |
| 69 | A5049811A | SERVICE HINGE COVER MG ASSY BK (BLACK) |
| 69 | A5049812A | SERVICE HINGE COVER MG ASSY WH (WHITE) |
| 70 | 500683511 | FPC 2438 PROTECT SHEET (88100) (Note) |
| 71 | 147174812 | MAGNET |
| 72 | 501482901 | SHIELD SHEET RE-C (64500) (Note) |

# PANEL MODULE SECTION

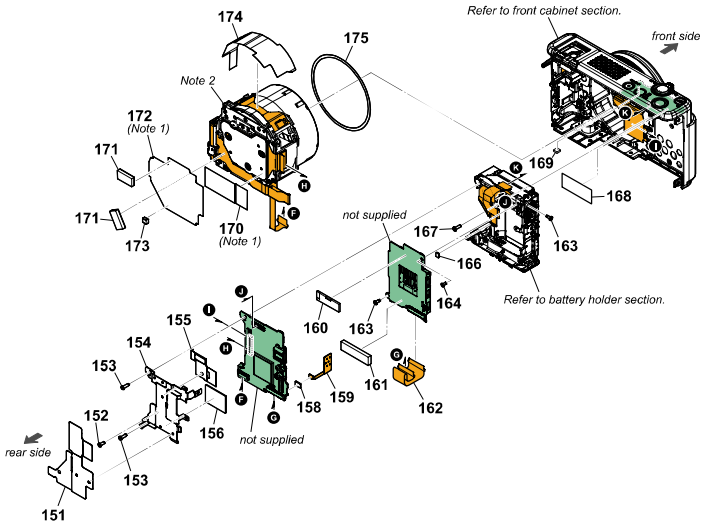



| Ref. No. | Part No. | Description |
|---|---|---|
| 101 | A5049807A | SERVICE PANEL CAB REAR ASSY BK (BLACK) |
| 101 | A5049808A | SERVICE PANEL CAB REAR ASSY WH (WHITE) |
| 102 | 503623601 | GASKET S (CN (799)) |
| 103 | 147173811 | MAGNET, SENSOR |
| 104 | 444694911 | SCREW (M1.7) (L = 4.0 mm) (BLACK) (Note) |
| 104 | 259947531 | SCREW (M1.7) (L = 4.0 mm) (WHITE) (Note) |
| 105 | 100597632 | FINE COXIAL CABLE |
| 106 | 501161101 | SV WP CABLE GROMMET |
| 107 | X50025011 | SV HINGE ASSY |
| 108 | 444694911 | SCREW (M1.7) (L = 4.0 mm) (Note) |

**Note**

This parts be not reused. Be sure to replace them with new parts.

# MAIN BOARD SECTION




**Note 1**

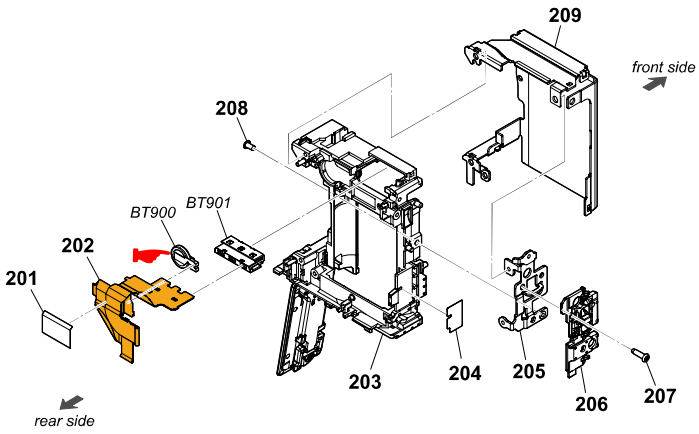
This parts be not reused. Be sure to replace them with new parts.

**Note 2**

It may get damaged from the influence of static electricity. Protect against static electricity and similarly take care when handling the MOS IC.

| Ref. No. | Part No. | Description |
|---|---|---|
| 151 | 503471501 | SY INSULATION SHEET B (64700) |
| 152 | 426475101 | SCREW (M1.4), NEW TRU-STAR (L = 3.5 mm) |
| 153 | 430010611 | BTITE (1.4 (CH)) (L = 5.0 mm) |
| 154 | 503261902 | SY HEAT SINK (64700) |
| 155 | 503471401 | SY INSULATION SHEET A (64700) |
| 156 | 503471301 | SY SHEET TIM (64700) |
| 158 | 503472101 | WIFI SPACER SHEET |
| 159 | 198360711 | FPC-2022 FLEXIBLE BOARD |
| 160 | 503472002 | MS SHEET TIM (64700) |
| 161 | 504695001 | MS SHEET TIM (64800) |
| 162 | 198241411 | FP-2423 FLEXIBLE BOARD |
| 163 | 334899851 | SCREW (M1.4X3.5), TAPPING, PAN |
| 164 | 441276911 | SCREW (M1.4), NEW TRU-STAR, P2 (L = 2.5 mm) |
| 166 | 468556711 | GASKET L |
| 167 | 443753811 | SPECIAL (M1.4 (D2.75)) (L = 4.5 mm) |
| 168 | 503471901 | BT SHEET TIM (64700) |
| 169 | 504775001 | SPACER CUSHION (64700) |
| 170 | 501767601 | IMG RADIATION SHEET (64500) (Note 1) |
| 171 | 503471601 | LENS CUSHION UNDER (64700) |
| 172 | 473231801 | SHEET (64200), INTERCEPTION (Note 1) |
| 173 | 457578901 | GASKET (F (795)) |
| 174 | 459579601 | INSULATING SHEET (ST3) (63900) |
| 175 | 504360602 | LIGHT SHIELD RING (2050) |

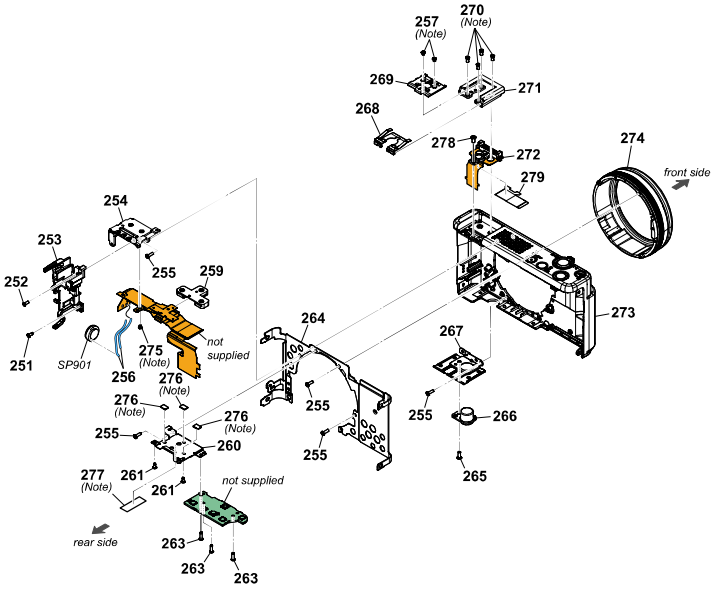
# BATTERY HOLDER SECTION




lithium rechargeable battery(Ref. No. BT900)

| Ref. No. | Part No. | Description |
|---|---|---|
| 201 | 500311201 | INSULATING SHEET, BT (64210) |
| 202 | A5001215A | BT-2030 FLEXIBLE BOARD, COMPLETE |
| 203 | X50025872 | BT HOLDER ASSY (64700) (BK) (BLACK) |
| 203 | X50025902 | BT HOLDER ASSY (64700) (WH) (WHITE) |
| 204 | 500330601 | SHEET (WIFI), ADHESIVE 64210 |
| 205 | 503262101 | STRAP BASE PLATE (64700) |
| 206 | 503262201 | STRAP COVER (64700) (BK) (BLACK) |
| 206 | 503262211 | STRAP COVER (64700) (WH) (WHITE) |
| 207 | 430010611 | BTITE (1.4 (CH)) (L = 5.0 mm) |
| 208 | 441276911 | SCREW (M1.4), NEW TRU-STAR, P2 (L = 2.5 mm) |
| 209 | 503261601 | HEAT SINK (64700), BT |
| ⚠ BT900 | 175681314 | LITHIUM RECHARGEABLE BATTERY |
| ⚠ BT901 | 178082612 | TERMINAL BOARD, BATTERY |

# FRONT CABINET SECTION




**Note**

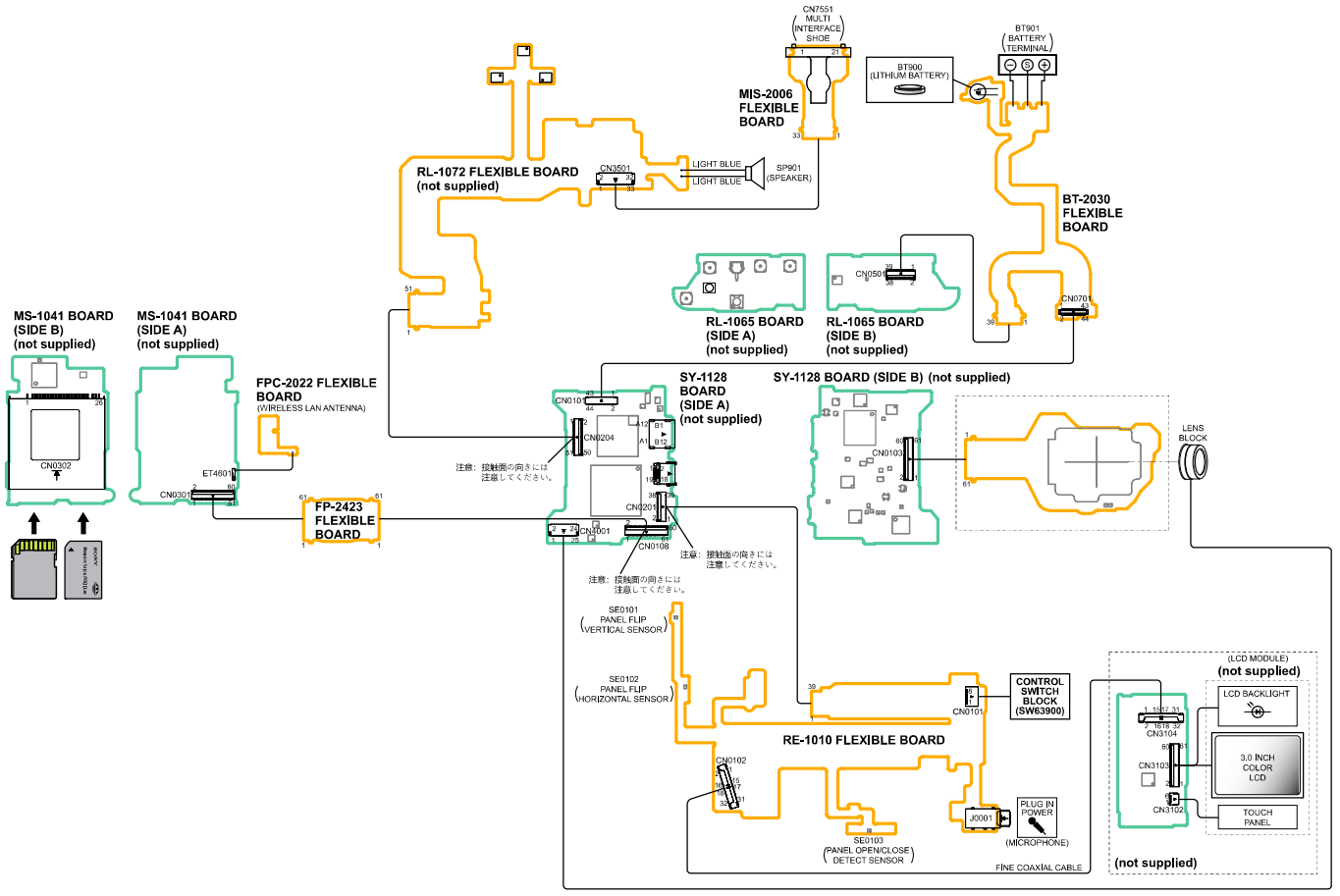
This parts be not reused. Be sure to replace them with new parts.

| Ref. No. | Part No. | Description |
|---|---|---|
| 251 | 334899851 | SCREW (M1.4X3.5), TAPPING, PAN |
| 252 | 441276901 | SCREW (M1.4), NEW TRU-STAR, P2 (L= 3.5 mm) |
| 253 | 503260601 | SIDE SPACER (64700) |
| 254 | 503260801 | SHOE FRAME (64700) |
| 255 | 443753811 | SPECIAL (M1.4 (D2.75)) (L = 4.5 mm) |
| 256 | 196968211 | HARNESS (HN-1002) |
| 257 | 428743511 | SCREW (M1.4 EUROPE) TYPE (L = 1.4 mm) (Note) |
| 259 | 503260501 | MIC RUBBER (64700) |
| 260 | 503260401 | MIC FRAME (64700) |
| 261 | 443388221 | TAPPING (1.4) (ECOLOGY) (L = 3.0 mm) |
| 263 | 430010611 | BTITE (1.4 (CH)) (L = 5.0 mm) |
| 264 | 503260301 | FRONT FRAME (64700) |
| 265 | 444694911 | SCREW (M1.7) (L = 4.0 mm) |
| 266 | 328364352 | SCREW, TRIPOD |
| 267 | 503260701 | TRIPOD PLATE (64700) |
| 268 | 500294502 | MI SHOE SPRING PLATE (88100) (BLACK) |
| 268 | 500294512 | MI SHOE SPRING PLATE (88100) (WHITE) |
| 269 | 500294602 | MI SHOE SCREW COVER (88100) |
| 270 | 500294711 | SCREW (M1.7) SPECIAL HEAD (L =3.5 mm) (Note) |
| 271 | 500294302 | MI SHOE SHELL PLATE (88100) (BLACK) |
| 271 | 500294311 | MI SHOE SHELL PLATE (88100) (WHITE) |
| 272 | A5054227A | MIS-2006 FLEXIBLE BOARD, COMPLETE |
| 273 | A5049813A | SERVICE CAB FRONT ASSY (64700) B (BLACK) |
| 273 | A5049814A | SERVICE CAB FRONT ASSY (64700) W (WHITE) |
| 274 | 504681801 | LENS RING (64800) (BLACK) |
| 274 | 504681811 | LENS RING (64800) (WHITE) |
| 275 | 308625101 | SCREW, SPECIAL (M1.4 X 1.4 mm) (Note) |
| 276 | 503472101 | WIFI SPACER SHEET (Note) |
| 277 | 469212901 | SHEET (799), NFC ADHESIVE (Note) |
| 278 | 259947521 | SCREW (M1.7) (L =3.0 mm) |
| 279 | 501353901 | SHOE FPC GUARD (64500) |
| SP901 | 185921012 | LOUDSPEAKER (1.0 cm) |

# FRAME SCHEMATIC DIAGRAMS

# FRAME SCHEMATIC DIAGRAMS

Zoom in



**989695311**
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Sony Corporation