



Nikon Z6III

Repair Manual

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Introduction

Important Information

- For purposes of this Repair Manual, "Nikon" means Nikon Corporation, and all direct and indirect affiliated companies, including without limitation, Nikon Inc.
- This Repair Manual is solely intended for Nikon products imported into and sold in the United States by Nikon Inc.
- This Repair Manual includes technical instructions for replacing Nikon parts for the above-mentioned product (the "Product") and is intended for individuals with the knowledge, experience, and tools required to repair electronic devices. Read this entire Repair Manual first. If you are not comfortable performing the repairs as instructed in this Repair Manual, do not proceed.
- Please note that, if you repair the Product on your own, we will not provide customer support or assistance regarding this Repair Manual or how to repair the Product. Please note that an incorrect repair may affect the Product's limited warranty and/or cause an increase in the fee if you request service from an authorized Nikon service center if you have repaired the Product on your own. This Repair Manual is subject to revision without notice.
- Failure to follow the repair instructions or to use appropriate Nikon parts or tools may cause fire or other safety issues and lead to personal injury or death. Failure to follow the repair instructions or to use appropriate parts or tools may damage the Product or other property, or compromise the Product's functionality or water resistance (if applicable).
- NIKON SHALL NOT BE LIABLE FOR ANY DAMAGES, INJURIES OR OTHER LIABILITIES TO THE PRODUCT, OR ANY PERSON, OR PROPERTY WHICH OCCURS AS A RESULT OF REPAIR, DIAGNOSIS, MAINTENANCE, OR MODIFICATION PERFORMED BY YOU OR AN UNAUTHORIZED REPAIR PROVIDER, 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 PRODUCT.


Notations used in this Repair Manual

In this guide, important information is indicated by the following icons.

| | |
|--|---|
|  WARNING | This indicates that improper use by ignoring the contents described herein can result in potential death or serious injury. |
|  CAUTION | This indicates that improper use by ignoring the contents described herein can result in potential injury or material loss. |
| IMPORTANT | This symbol indicates important information in this manual. |

Product identification information

For the camera serial numbers, refer to the documentation provided with the camera (the Reference Guide).

-  **CAUTION**
- The serial number may be required when you contact Nikon with regards to the Product. Make sure not to lose the serial numbered part of the Product.

Read this first

- No part of this Repair Manual may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission.
- Illustrations shown in this Repair Manual may differ from the actual Product.
- Nikon is not responsible for any errors this Repair Manual may contain.
- The appearance, specifications, and capabilities of this Product and parts are subject to change without notice.

About controls for radio interference

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (1) This device may not cause harmful interference, and
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and to EU EMC directive. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Consult the dealer or an experienced radio/TV technician for help.

Safety precautions

Strictly observe the guidelines contained in this Repair Manual in order to use this Product safely and prevent possible injury or property damage to you and others. Understand the contents thoroughly for correct use of the Product.

General safety precautions

Always observe the following general safety precautions.

- If you disassemble or repair the Product, it may involve risks of electric shock, Product damage, fire, and/or personal injury, or other hazards. Be careful when disassembling or repairing the Product as described in this Repair Manual.
- If you disassemble or repair the Product, the flange back or the back focus may shift, which may affect the focus when shooting. Check the focus position before disassembling or repairing the Product. Then, ensure that the focus position has not changed after re-assembling the Product. If the focus changes after re-assembling the Product, we recommend that you disassemble and repair the Product again.
- If the Product is dropped or has been subjected to an impact due to dropping, or weight or stress has been placed on it, the camera and lens attachment parts may become deformed, which will prevent the Product from being able to be attached and will cause problems when shooting. In such cases, accurate adjustments and repair will be required and it is recommended that you contact Nikon for service repairs.
- If the Product contains a lithium-ion battery, then inappropriate use, transportation, recycling, reuse, or disposal of the lithium-ion battery may cause a fire, explosion or other damage or injury. Lithium-ion batteries should be handled in accordance with local laws, rules, and regulations. Do not heat, create holes in, disassemble, or incinerate the Product or the lithium-ion battery. Do not leave the Product or the lithium-ion battery in direct sunlight or other hot places for long periods of time, and do not charge the Product in such an environment as doing so may damage the lithium-ion battery or cause it to melt, which may cause a fire, explosion or other damage or injury.
- Do not dispose of your old Product or its lithium-ion battery (if any) and the replaced parts in your household trash or recycling bin. When disposing of the lithium-ion battery, follow your local area laws, rules, and regulations.

Repair-specific precautions and warnings

- As for the Product powered on by the power switch, before disassembling the Product, ensure that the Product is powered off and that the battery has been removed.
- As a safety measure, we recommend that you wear protective eyewear when disassembling or reassembling the Product.
- Always check the following points before and while disassembling the Product.
 - Wear an anti-static wrist strap.
 - The work area is appropriately grounded, and an environment in which electrostatic discharge (ESD) has been provided with safety measures is ensured.
- Before starting work, check that you are following the general guidelines and ESD compliance steps. For details, refer to "Before disassembling the Product" on page 23.
- When removing any parts from the Product, place all the attached parts and screws away from the work area to prevent the Product and parts from being damaged or lost.

Safety policy and procedure

- All Product safety issues must be managed according to the following points.
- If any of the following conditions are visible, stop repairing the Product and contact Nikon's customer service at www.nikonproductsupport.com.
 - There are burnt or melted components or traces on the outside of the Product, or other heat-related damage (including scorching on charging terminals or other connection terminals).
 - The Product has burnt or melted parts or traces on the inside, or contains damage from overheating.
 - Products that appear to have problems such as having been forcibly detached or disassembled for reasons other than misuse by the user or unauthorized repair (those that have been damaged by being subjected to an impact due to dropping, those that have evidence of tampering, or those with damage or separation caused by dilatation of the battery).
 - Plastic parts with sharp edges that may pose an injury risk to the user.
- When contacting Nikon's customer service, please have the following information ready to enable us to check the situation:
 - Model, model number, and serial number of the affected Nikon Product and any third-party product used together with the Nikon Product, if any.
 - Description of the damage found.
 - Clear photos that show the damage.

Disclaimer of warranties and limitation of damages

- All the information, descriptions, materials, and products provided on or in connection with this Repair Manual are provided by Nikon on an "as-is basis" and in "the form that can only be provided if possible" unless otherwise expressly specified in writing by Nikon. With respect to the information, descriptions, materials, and products included in this Repair Manual, that accompany this Repair Manual, or that are provided to users in some way, Nikon makes no, and hereby disclaims all, representations, unless expressly specified in writing. You hereby expressly agree that your use of the information, descriptions, materials, and products included in this Repair Manual or that accompany this Repair Manual are the user's sole responsibility. If you are not in agreement with the foregoing, do not use this Repair Manual.
- To the maximum extent allowed by applicable law, Nikon disclaims all warranties, express or implied. This includes the implied warranties of the merchantability and fitness for a particular purpose, but shall not be limited to these. To the maximum extent allowed by applicable law, Nikon disclaims and shall not be responsible for any damage that may arise through the use of any information, descriptions, materials, or products obtained from this Repair Manual or in connection with this Repair Manual. This includes direct, indirect, incidental, special, consequential, and/or punitive damages, but shall not be limited to these.

SOME STATES DO NOT ALLOW (A) LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR (B) THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

Notification

- Nikon and its suppliers may have patents, patent applications, trademarks, copyrights, and/or other intellectual property and/or proprietary rights regarding the subject matter in this Repair Manual (collectively, "Intellectual Property Rights"). By making this Repair Manual available to you, Nikon does not grant any Intellectual Property Rights and does not imply a license. When the user uses the Intellectual Property Rights with permission, it is only subject to Nikon's and its suppliers' Intellectual Property Rights.

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Service tools

This section shows the tools used to repair products. The standard service tools are commercially available and can be purchased from third party retailers. Nikon hereby disclaims all responsibility and liability for any tools or other items purchased from third party retailers.

Nikon service tools

- Lubricant (CFD409Z)
- Lubricant (FG-30)
- Lubricant (OS-30P)
- Cleaning Stick (EIZ0163)
- Lubricant (MDF-1176BE)
- Lubricant (DN-C3HN)
- Lubricant (HF-1076)
- Lubricant (LEN317A)

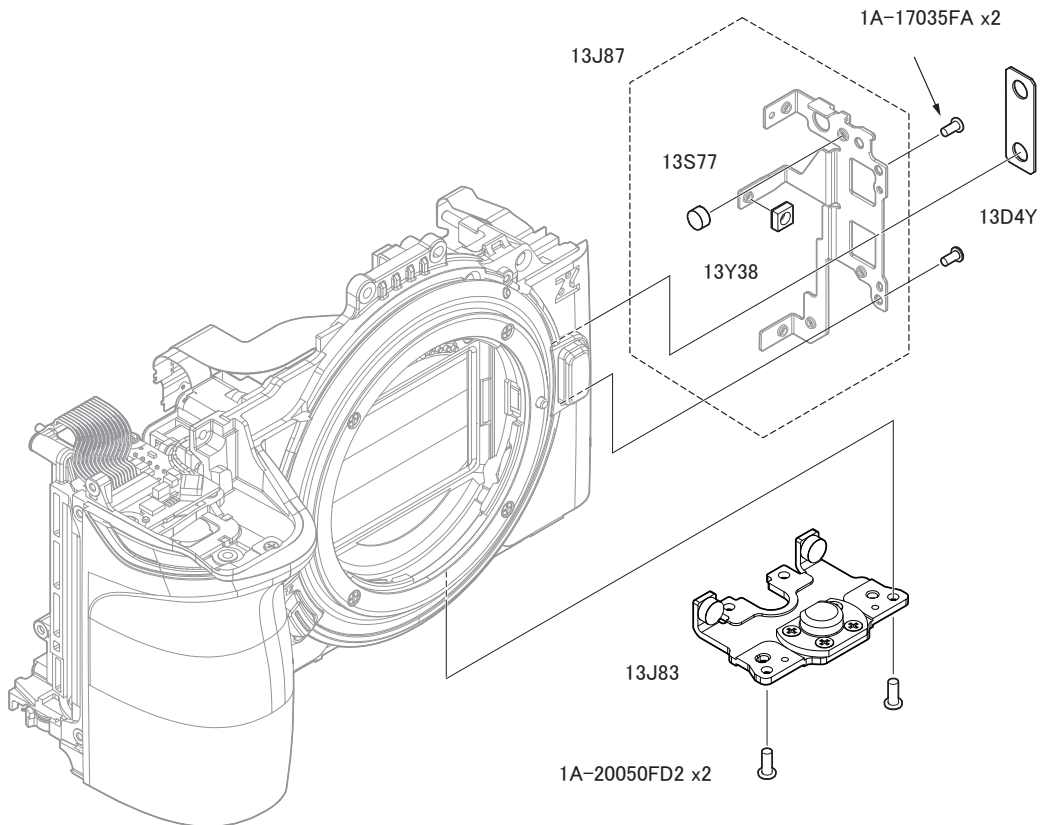
Standard service tools

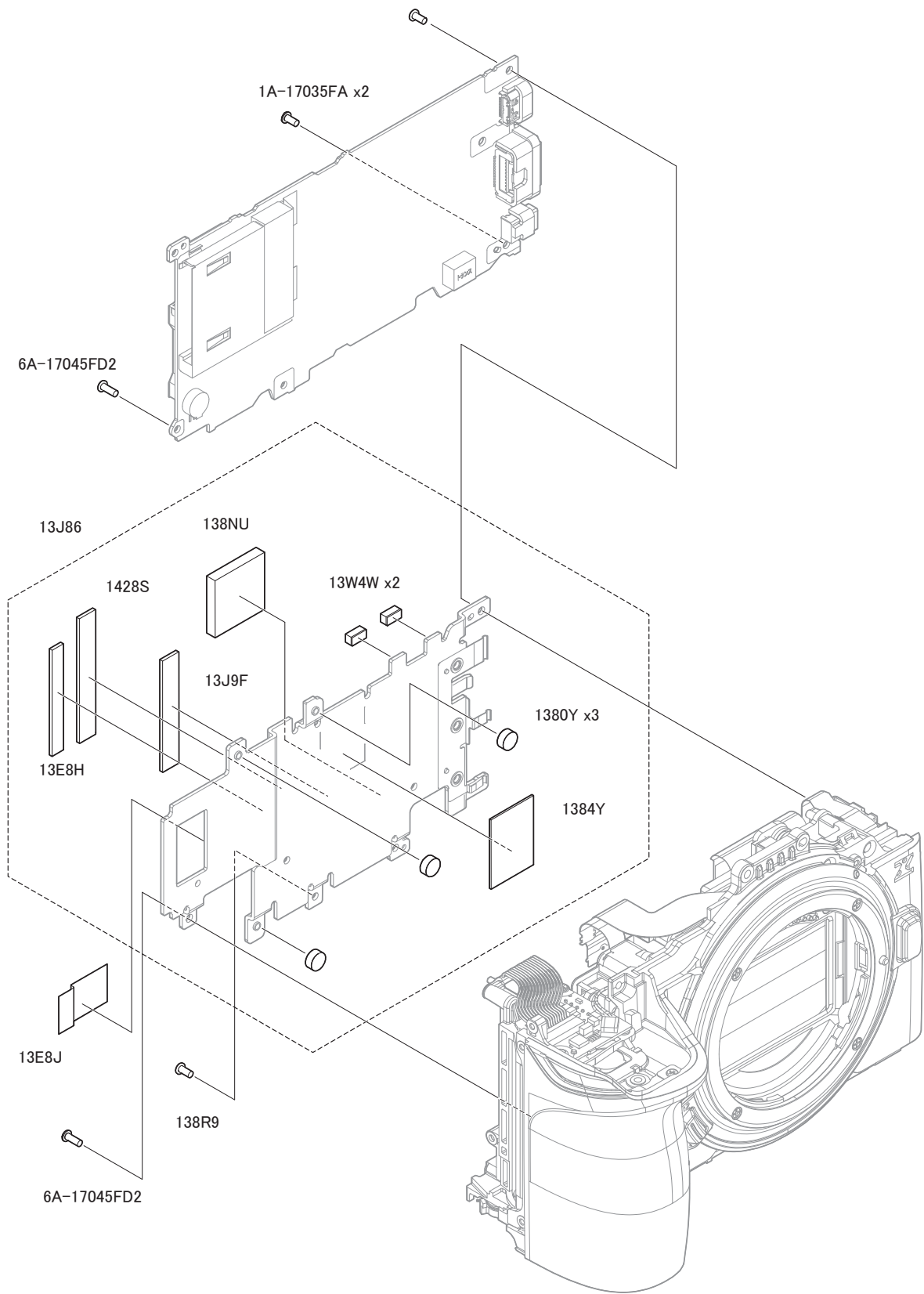
- Electrostatic discharge (ESD) mat
- Anti-ESD wrist strap (1 M Ω resistance)
- Anti-ESD gloves
- Protective eyewear
- Ethyl alcohol
- Ethyl alcohol dispenser bottle
- Anti-ESD tweezers
- Phillips screwdriver (No. 0)
- Torque screwdriver (Use a product with a torque range of 0.07 N•m to 0.3 N•m.)
- Brush for lubricant
- Glue (LOCKTITE 241)
- Body cap (BF-N1)
- Cutter
- Soldering iron
- Solder
- Tripod
- Indoor lighting (Use the flickerless light.)
- Commercially available focus chart that can measure the focus position
- Non-VR lens (Example: NIKKOR Z 24-70mm f/4 S)
- Commercially available shooting chart (Example: Siemens Star Chart) that can measure the focus position

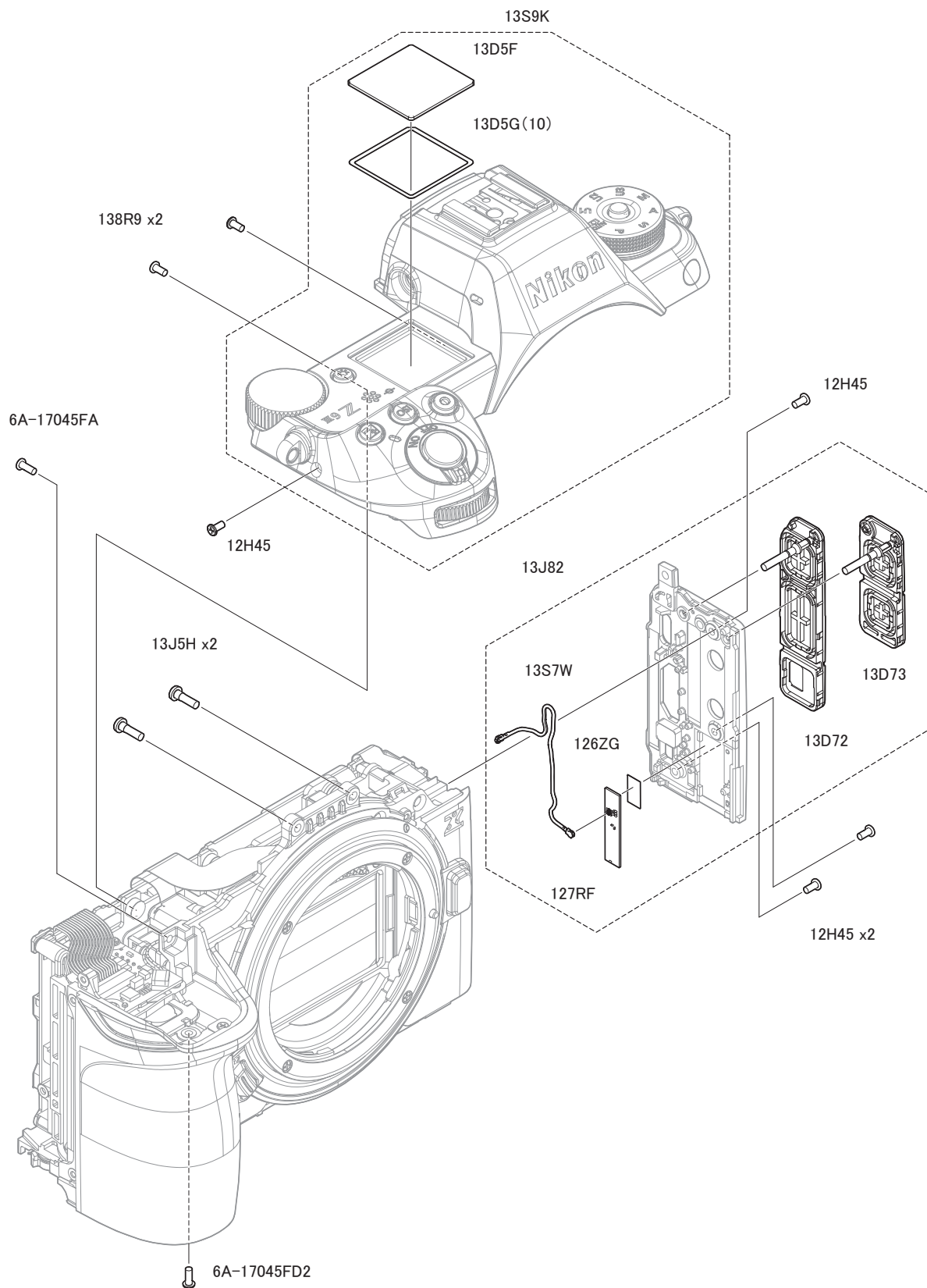
Illustrated Service Parts List

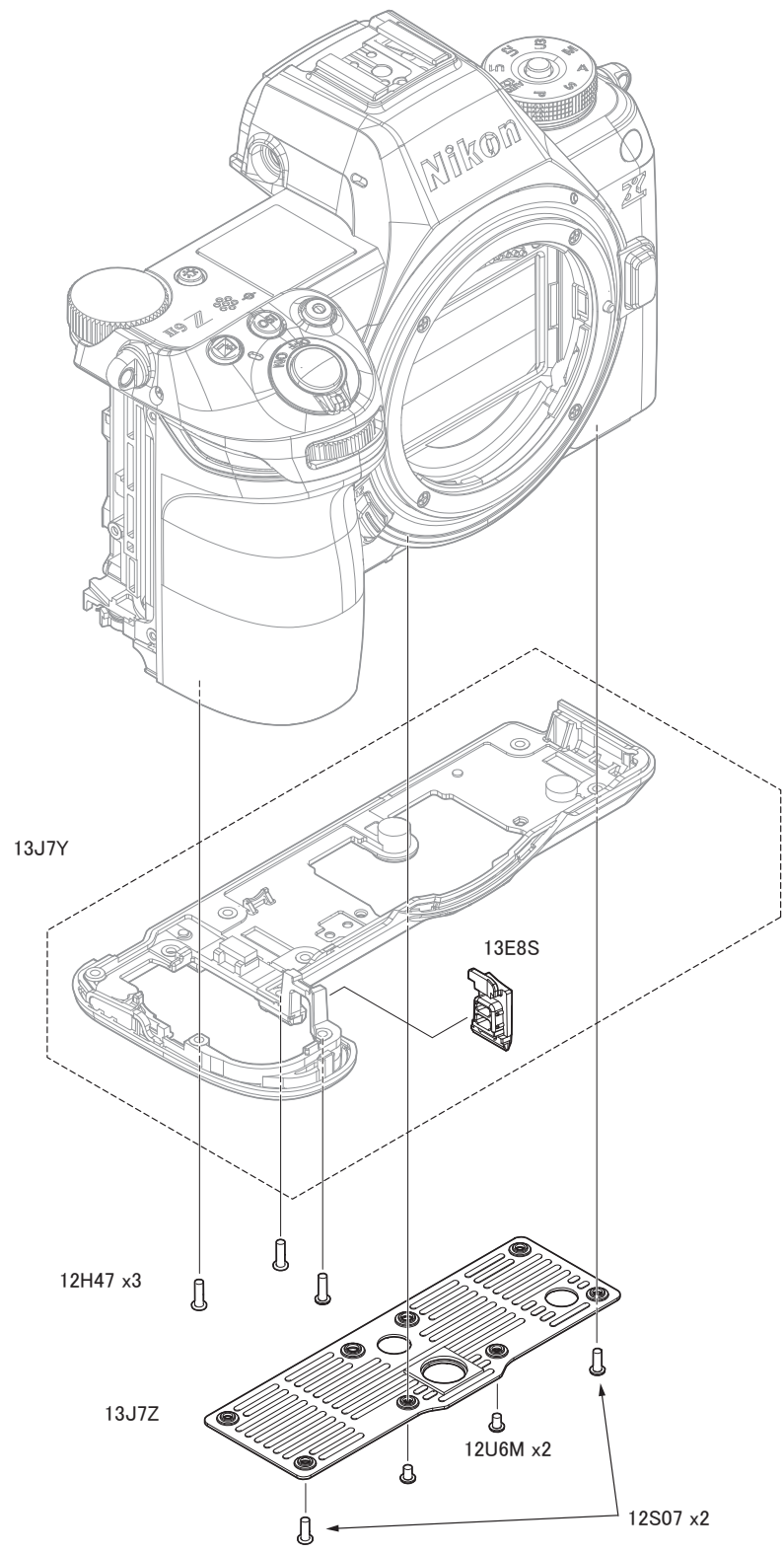
IMPORTANT

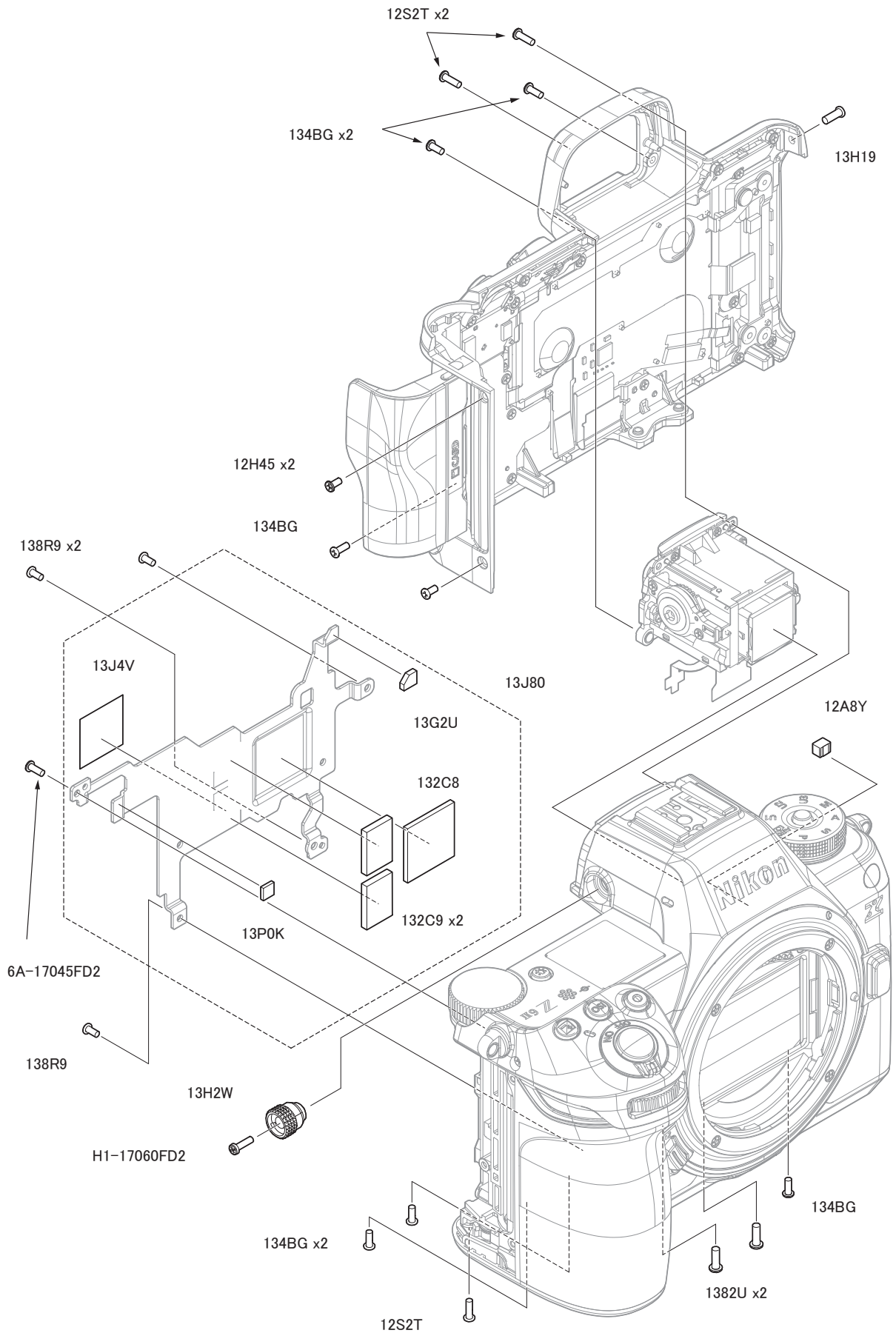
- The parts marked in gray in the illustration cannot be replaced individually as replacing them will affect the camera function. If you need to replace these parts, use the CAMERA BODY UNIT (US) (143UW).
- When disassembling and reassembling the Product, be careful not to damage or lose the parts.

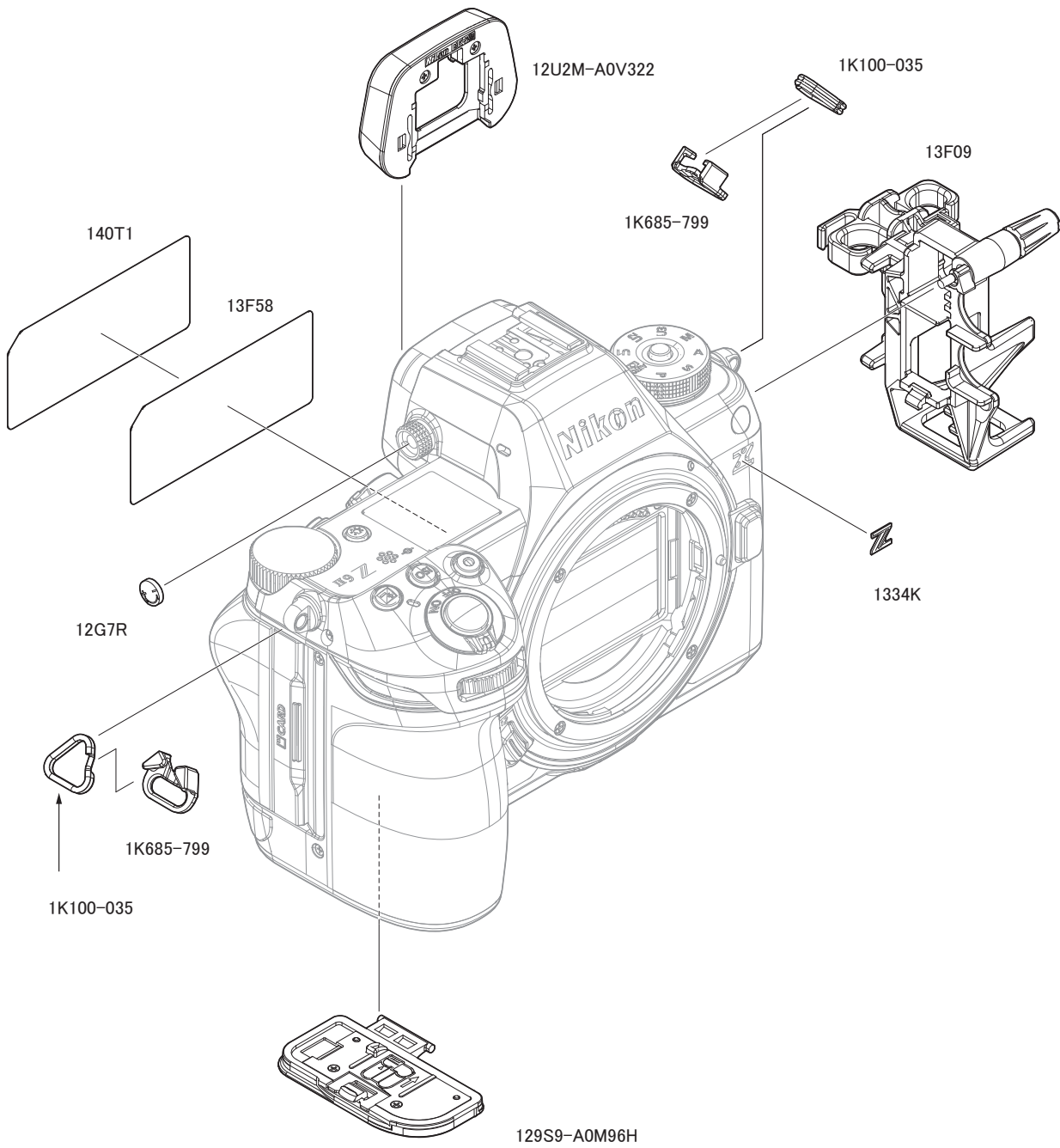




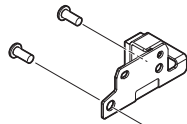




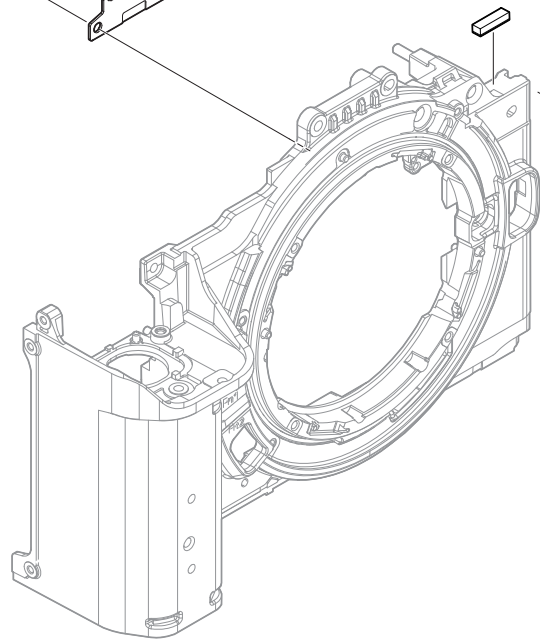




6A-17040FD2



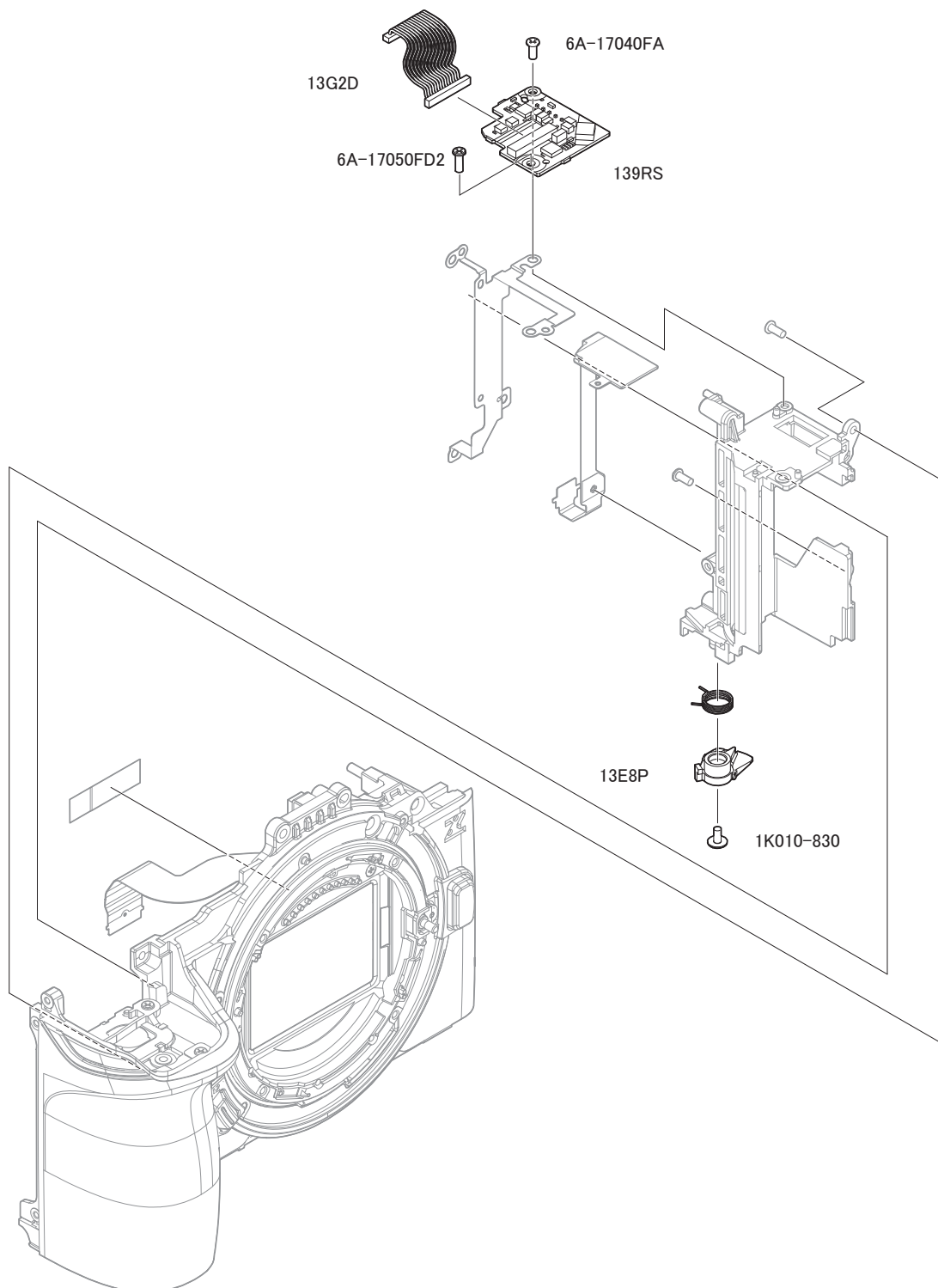
13J7T

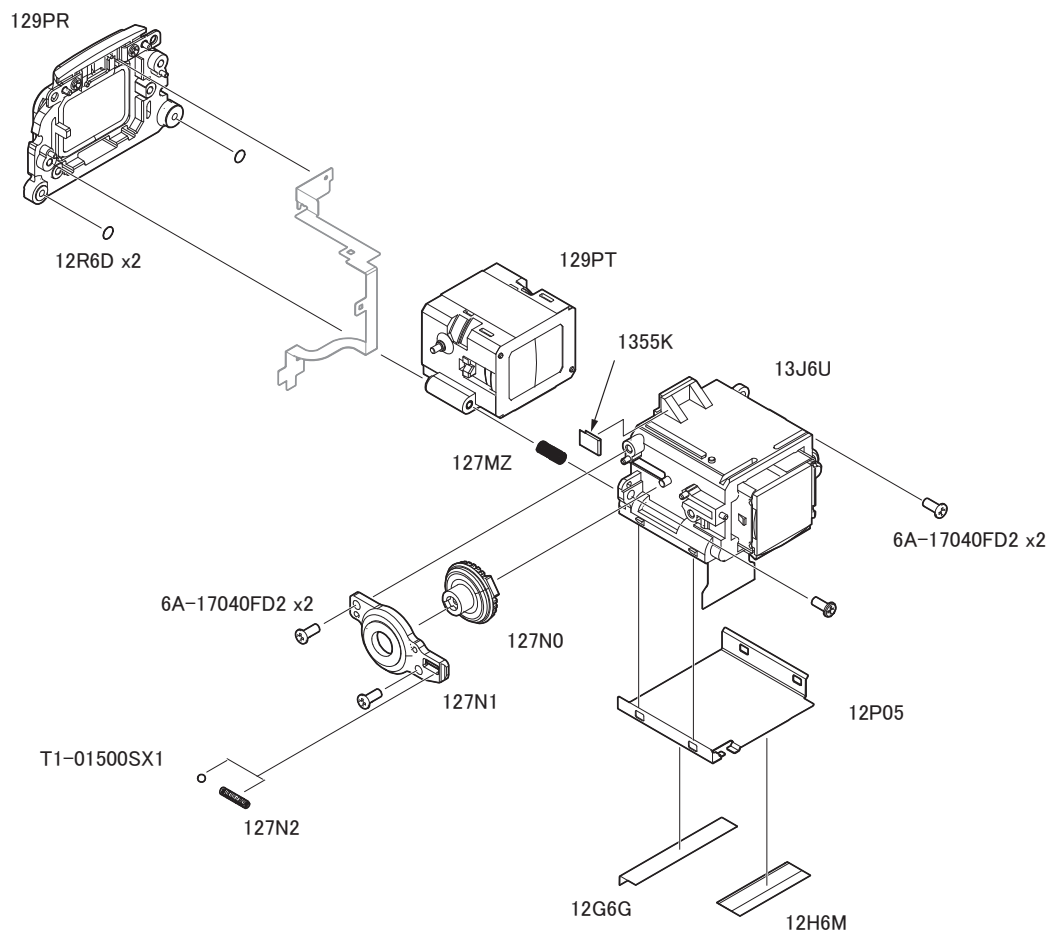


13Y47

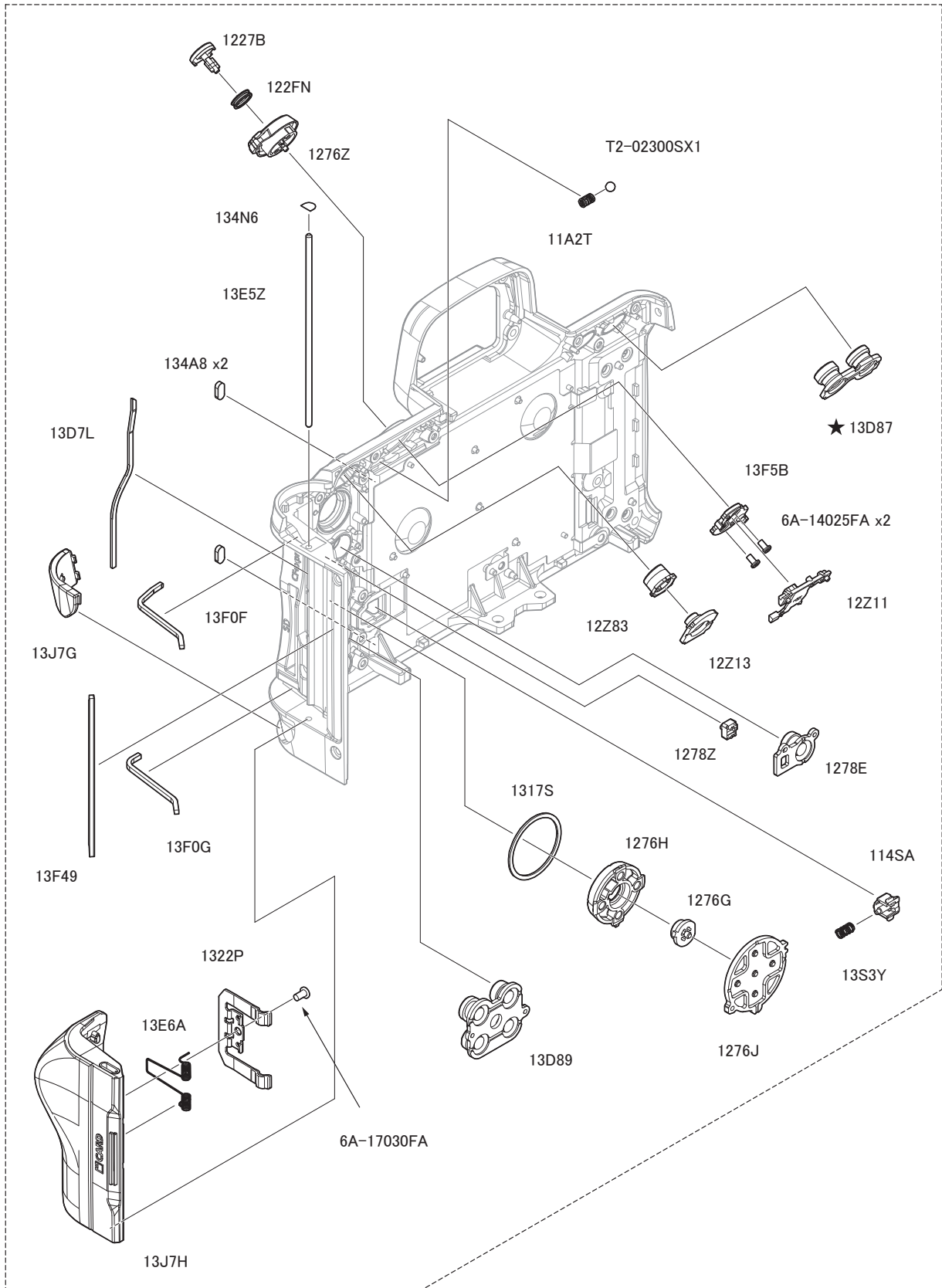


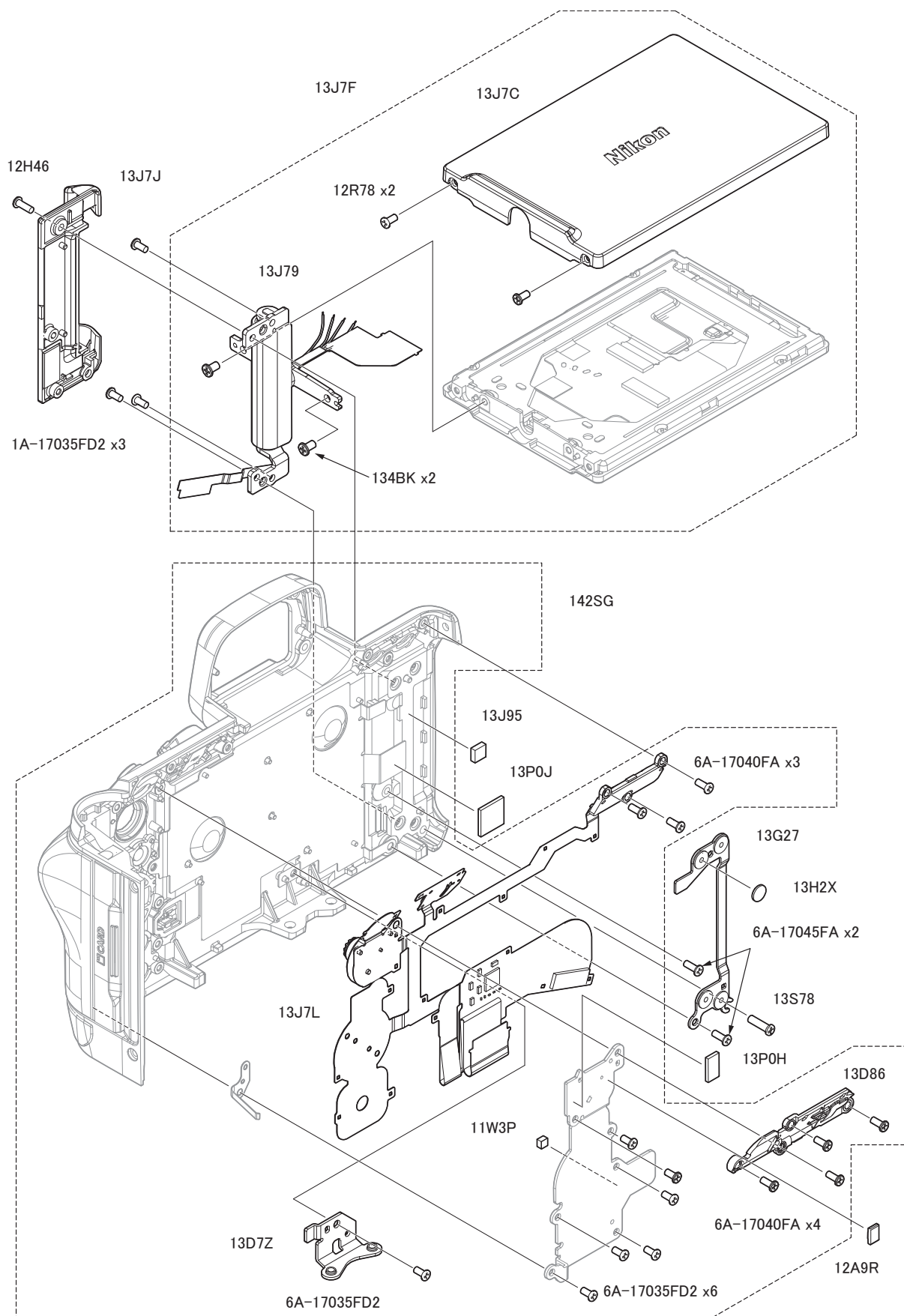
13J7X



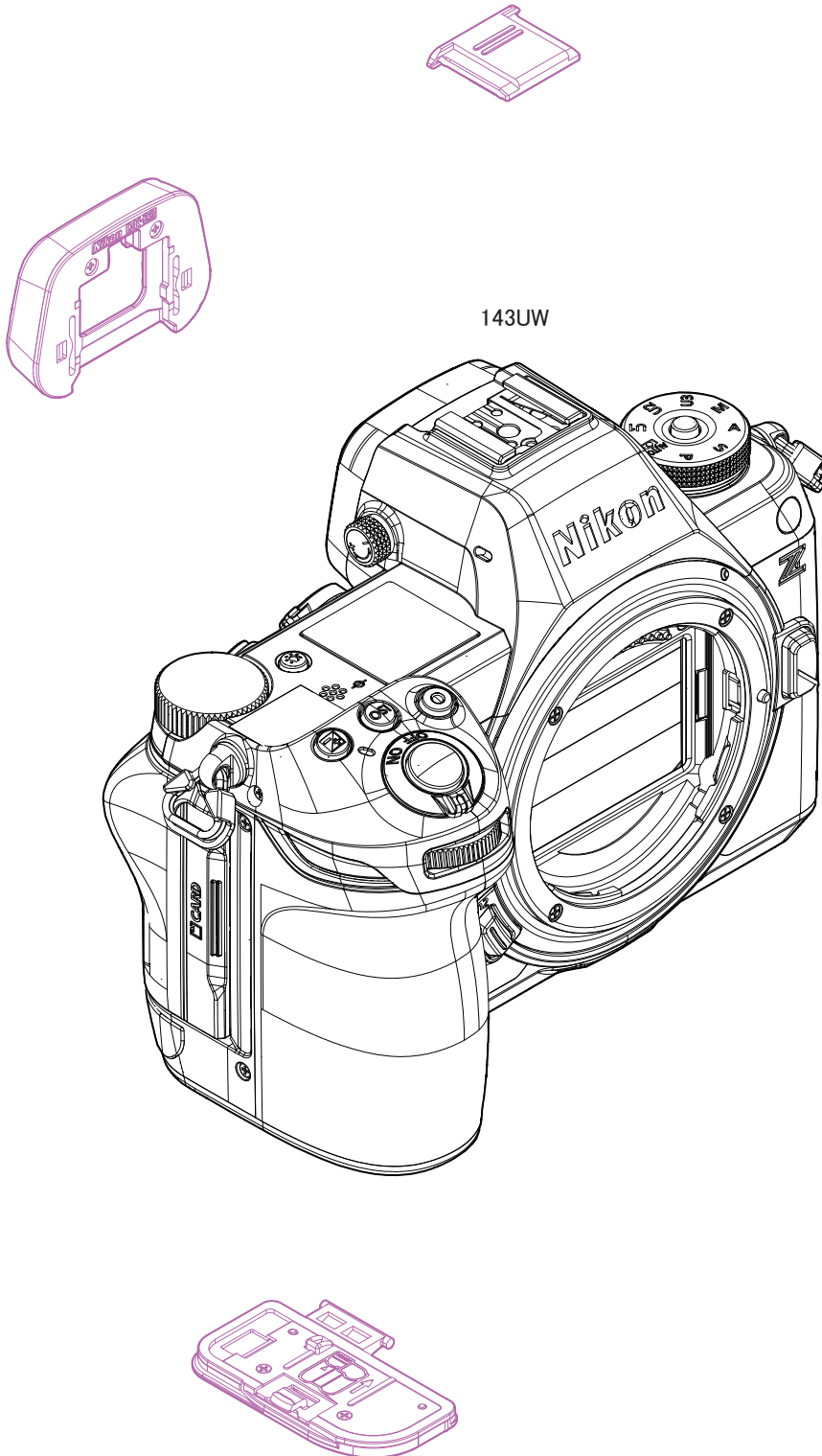


142SG





The parts highlighted in purple are not included
with the CAMERA BODY UNIT (143UW)



| Item code | Parts name | Q'ty |
|--------------|-------------------------------|------|
| 13J87 | FIXING PLATE | 1 |
| 13D4Y | SPONGE | 1 |
| 13J83 | TRIPOD PLATE UNIT | 1 |
| 1A-20050FD2 | SCREW | 2 |
| 13J86 | HEAT SINK | 1 |
| 6A-17045FD2 | SCREW | 4 |
| 13E8J | HEAT DISSIPATION SHEET | 1 |
| 13J82 | IF COVER UNIT | 1 |
| 12H45 | SCREW | 6 |
| 13S9K | TOP COVER UNIT | 1 |
| 13J5H | SCREW | 2 |
| 6A-17045FA | SCREW | 3 |
| 13J7Y | BOTTOM COVER UNIT | 1 |
| 13J7Z | BOTTOM COVER PLATE UNIT | 1 |
| 12U6M | SCREW | 2 |
| 12S07 | SCREW | 2 |
| 12H47 | SCREW | 3 |
| 12A8Y | GASKET | 1 |
| 13J80 | HEAT SINK | 1 |
| 12S2T | SCREW | 3 |
| 134BG | SCREW | 6 |
| 13H2W | DIOPTER ADJUSTMENT KNOB | 1 |
| H1-17060FD2 | SCREW | 1 |
| 13H19 | SCREW | 1 |
| 1382U | SCREW | 2 |
| 1K100-035 | NECK-STRAP RING | 2 |
| 1K685-799 | NECK-STRAP RING COVER | 2 |
| 1334K | NAME PLATE | 1 |
| 129S9-A0M96H | BATTERY CAP UNIT | 1 |
| 12G7R | DIOPTER ADJUSTMENT KNOB COVER | 1 |
| 13F09 | CABLE CLIP UNIT | 1 |
| 1380Y | SPONGE | 3 |
| 1384Y | HEAT DISSIPATION SHEET | 1 |
| 13E8H | HEAT DISSIPATION SHEET | 1 |
| 13J9F | HEAT DISSIPATION SHEET | 1 |
| 138NU | HEAT DISSIPATION SHEET | 1 |
| 13W4W | SPONGE | 2 |
| 13J4V | SHEET | 1 |
| 13P0K | HEAT DISSIPATION SHEET | 1 |
| 132C9 | HEAT DISSIPATION SHEET | 2 |
| 132C8 | HEAT DISSIPATION SHEET | 1 |
| 13G2U | HEAT DISSIPATION SHEET | 1 |
| 13S77 | SPONGE | 1 |
| 13Y38 | SPONGE | 1 |
| 13D73 | IF COVER (MIC SIDE) | 1 |
| 13D72 | IF COVER (USB SIDE) | 1 |
| 126ZG | DOUBLE STICK TAPE | 1 |
| 127RF | WMA ANTENNA PCB | 1 |
| 13S7W | WMA CABLE | 1 |

| Item code | Parts name | Q'ty |
|-------------|-----------------------------|------|
| 13E8S | POWER CONNECTER CAP | 1 |
| 13Y47 | SPONGE | 1 |
| 13J7T | HEAT SINK | 1 |
| 13J7X | IF GRIP UNIT | 1 |
| 6A-17050FD2 | SCREW | 1 |
| 13E8R | BATTERY LOCK LEVER SPRING | 1 |
| 1K010-830 | SCREW | 1 |
| 139RS | BATTERY CONTACT PCB UINT | 1 |
| 13G2D | HARNESS | 1 |
| T2-02300SX1 | STEEL BALL | 1 |
| 13J6U | EVF PANEL UNIT | 1 |
| 127MZ | SPRING | 1 |
| 129PT | EYEPIECE BARREL UNIT | 1 |
| 129PR | EYEPIECE BLOCK UNIT | 1 |
| 12P05 | EVF BOTTOM COVER | 1 |
| 127N0 | DIOPTER ADJUSTMENT CAM | 1 |
| 127N1 | DIOPTER ADJUSTMENT CAM CASE | 1 |
| T1-01500SX1 | CLICK BALL | 1 |
| 127N2 | SPRING | 1 |
| 12G6G | EVF DUSTPROOF SHEET | 1 |
| 12H6M | TAPE | 1 |
| 1355K | SHEET | 1 |
| 134A8 | RUBBER | 2 |
| 13F0G | SPONGE | 1 |
| 13F49 | SPONGE | 1 |
| 13F0F | SPONGE | 1 |
| 13D7L | SPONGE | 1 |
| 13J7H | MEDIA COVER UNIT | 1 |
| 13E6A | SPRING | 1 |
| 13E5Z | MEDIA COVER HINGE SHAFT | 1 |
| 1322P | CLICK SPRING | 1 |
| 6A-17030FA | SCREW | 1 |
| 13J7G | REAR RUBBER UNIT | 1 |
| 134N6 | SHEET | 1 |
| 1276Z | DISP SELECTOR | 1 |
| 13F5B | MOLD | 1 |
| 6A-14025FA | SCREW | 2 |
| 122FN | RUBBER | 1 |
| 1277B | DISP BUTTON | 1 |
| 12Z11 | MOLD | 1 |
| 12Z83 | AF-ON BUTTON | 1 |
| 12Z13 | RUBBER | 1 |
| 1278Z | ACCESS LAMP WINDOW | 1 |
| 1278E | I BUTTON | 1 |
| 1317S | SPONGE | 1 |
| 1276H | MULTI SELECTOR | 1 |
| 1276G | OK BUTTON | 1 |
| 1276J | RUBBER | 1 |
| 13D89 | FOURTH BUTTON | 1 |

| Item code | Parts name | Q'ty |
|--------------|-------------------------|------|
| 13D87 | DELETE BUTTON | 1 |
| 114SA | LOCK KNOB | 1 |
| 13S3Y | SPRING | 1 |
| 11A2T | SPRING | 1 |
| 13J7L | REAR FPC UNIT | 1 |
| 6A-17035FD2 | SCREW | 7 |
| 13D7Z | TRIPOD FIXING PLATE | 1 |
| 13D86 | MOLD | 1 |
| 13G27 | HINGE FIXING PLATE | 1 |
| 13F58 | SHEET | 1 |
| 13J7F | BACK MONITOR UNIT | 1 |
| 13J7J | HINGE COVER | 1 |
| 12H46 | SCREW | 1 |
| 13S78 | SCREW | 1 |
| 13H2X | SPONGE | 1 |
| 13J95 | SPONGE | 1 |
| 13P0J | HEAT DISSIPATION SHEET | 1 |
| 13P0H | HEAT DISSIPATION SHEET | 1 |
| 12A9R | SHEET | 1 |
| 13J79 | HINGE UNIT | 1 |
| 134BK | SCREW | 2 |
| 13J7C | BACK DISPLAY COVER UNIT | 1 |
| 12R78 | SCREW | 2 |
| 11W3P | SPONGE | 1 |
| 1428S | HEAT DISSIPATION SHEET | 1 |
| 13D5G | SHEET | 1 |
| 12U2M-A0V322 | EYEPIECE UNIT | 1 |
| 142SG | REAR COVER UNIT | 1 |
| 143UW | CAMERA BODY UNIT(US) | 1 |
| 13D5F | TOP OLED WINDOW | 1 |
| 140T1 | LICENSE LABEL(US 30-) | 1 |
| 138R9 | SCREW | 6 |
| 1A-17035FA | SCREW | 4 |
| 6A-17040FA | SCREW | 8 |
| 13E8P | BATTERY LOCK LEVER | 1 |
| 6A-17040FD2 | SCREW | 5 |
| 1A-17035FD2 | SCREW | 3 |
| 12R6D | SHEET | 2 |
| TA-0030 | TAPE | 1 |

Parts Removal and Replacement Procedures

Before disassembling the Product

IMPORTANT

- As for the Product powered on by the power switch, before disassembling the Product, be sure to check that the Product is powered off and that the battery has been removed.
- Check that all the lenses, camera, and accessories attached to the Product are removed before disassembling the Product.
- Always cover the workbench's surface with a soft, non-scratch material suitable for ESD protection.
- Frequently clean the surfaces you use to work and keep them free of debris/abrasive particles.
- Always follow the work steps described in each process section.

During the repairing

IMPORTANT

- If there is this kind of indication, apply the specified grease or adhesive by a small brush.
Example: MDF-1173S AX-125
- If there is a specified torque, use an appropriate torque driver for tightening screw.
Example: 0.1 N•m
- If the parts are associated with circled numbers, please work in that numerical order.
Example: ①②③ means to work in the order of ① to ③.
- Do not pinch FPCs or cords during reassembly.
- Be careful not to damage or lose parts.

Reference Pages for Replacement Procedures by Major Parts

BOTTOM COVER

| | |
|-------------|-------------------------------|
| Disassembly | P.19 - P.24 , P.26 - P.27 |
| Assembly | P.105 - P.107 , P.109 - P.112 |

REAR COVER UNIT

| | |
|-------------|-----------------------------|
| Disassembly | P.19 - P.24 , P.38 - P.51 |
| Assembly | P.65 - P.90 , P.109 - P.112 |

TOP COVER UNIT

| | |
|-------------|----------------------------------|
| Disassembly | P.19 - P.24 , P.26 - P.29 , P.52 |
| Assembly | P.64 , P.102 - P.104 |

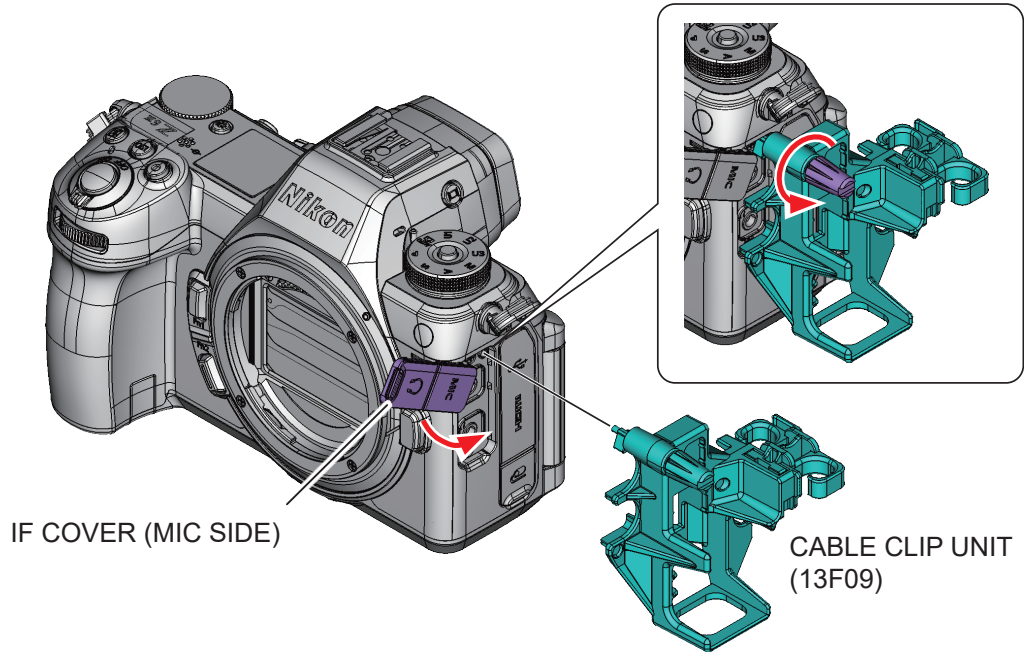
IF COVER UNIT

| | |
|-------------|---------------------------|
| Disassembly | P.19 - P.24 , P.26 - P.30 |
| Assembly | P.98 - P.101 |

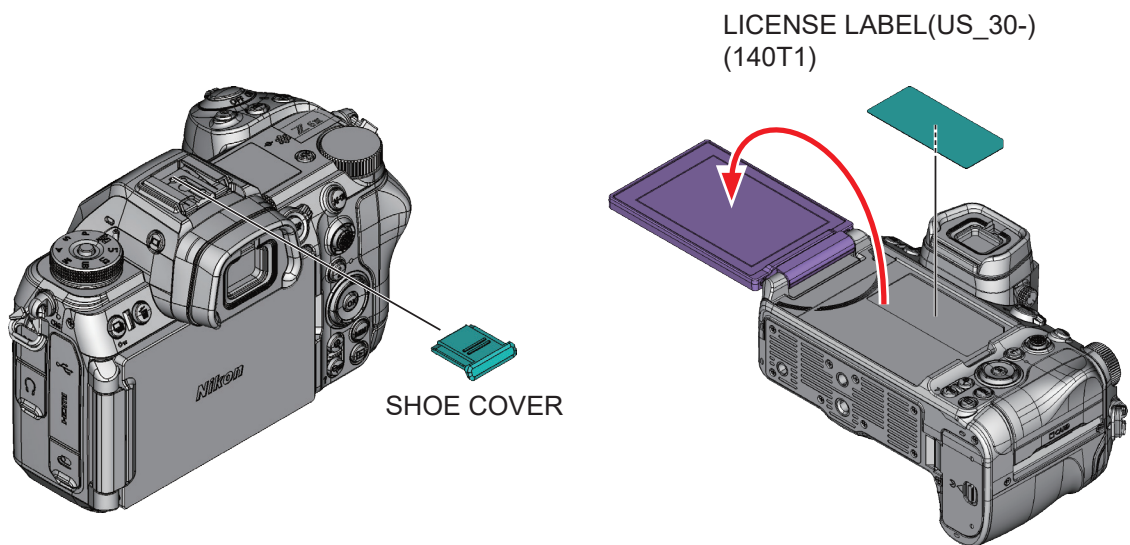
Disassembly

1. Exterior Section

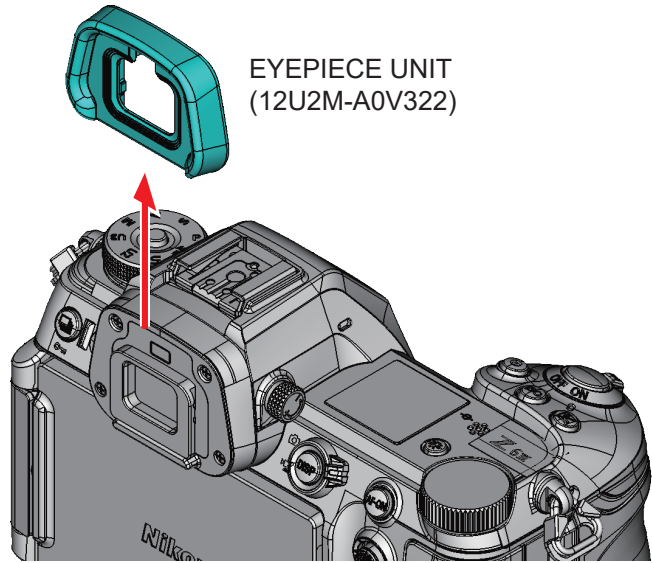
CABLE CLIP UNIT



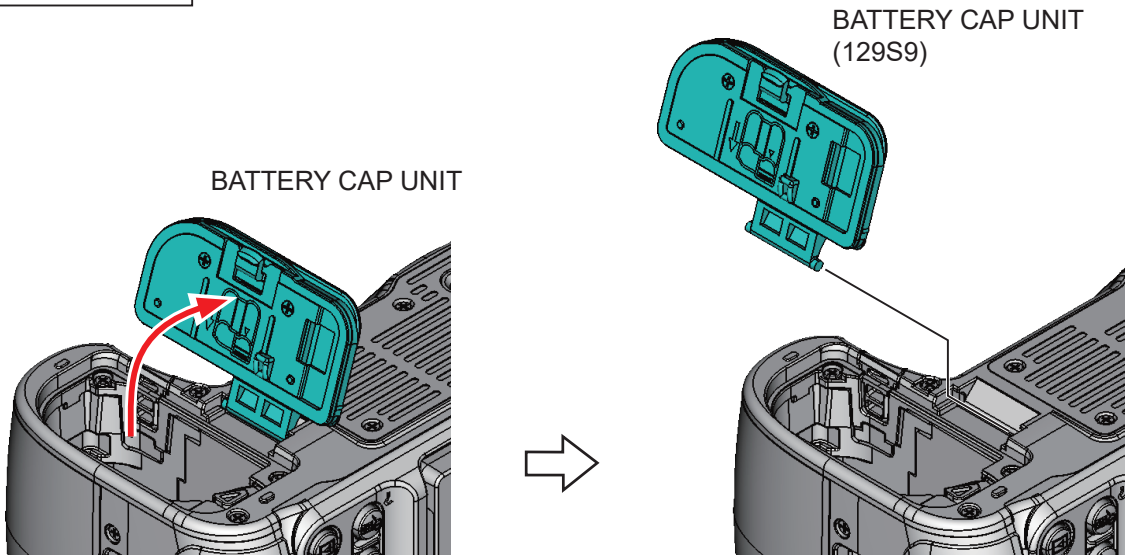
LICENSE LABEL(US_30-)



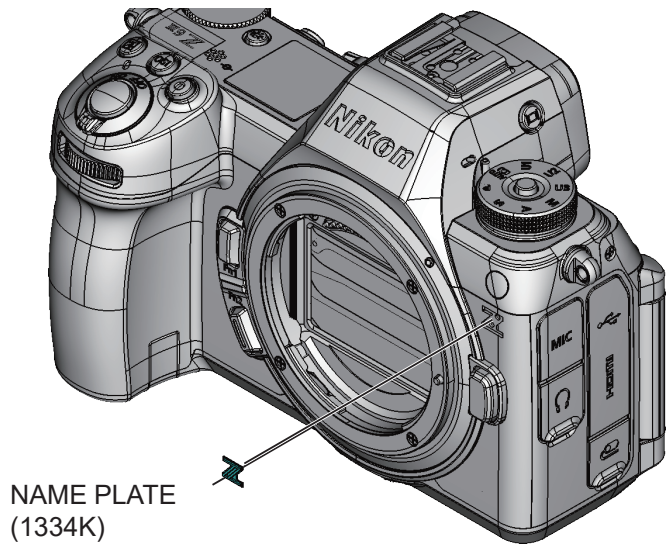
EYEPIECE UNIT



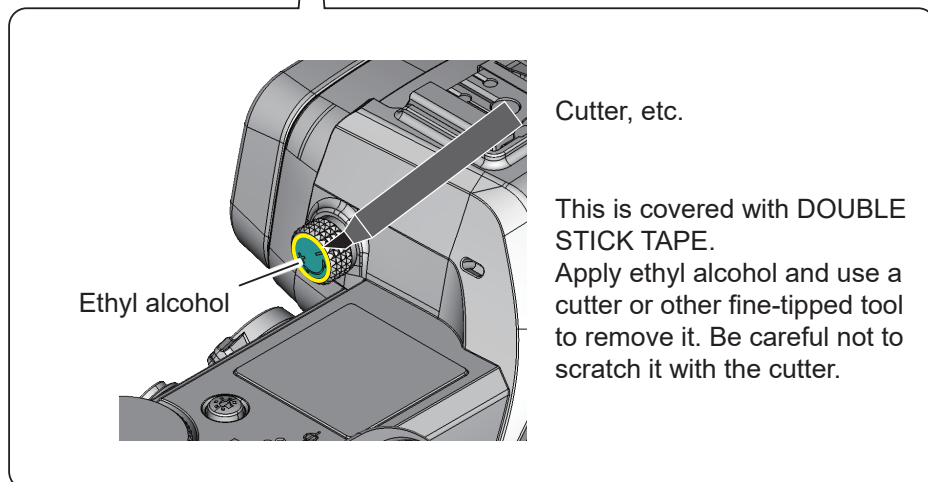
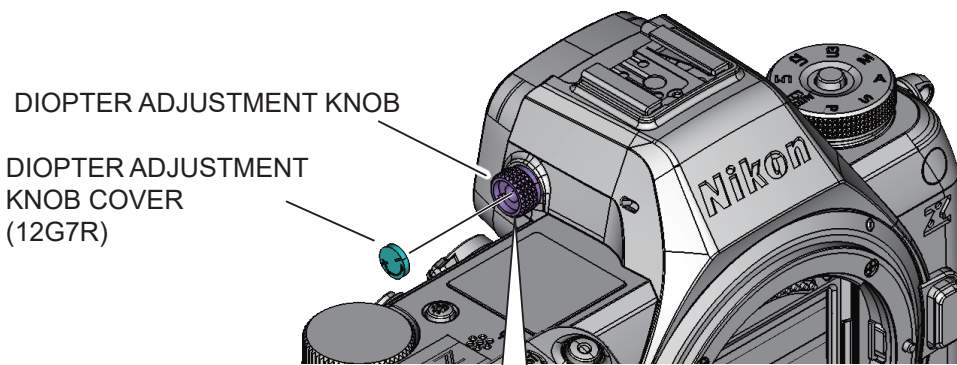
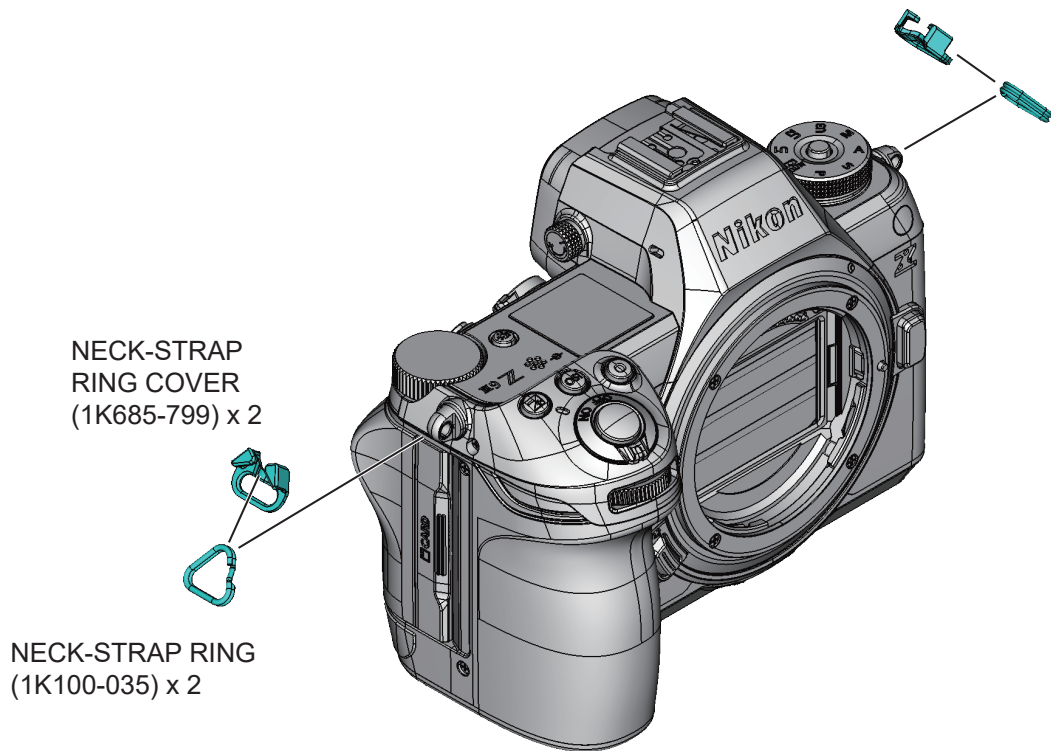
BATTERY CAP UNIT



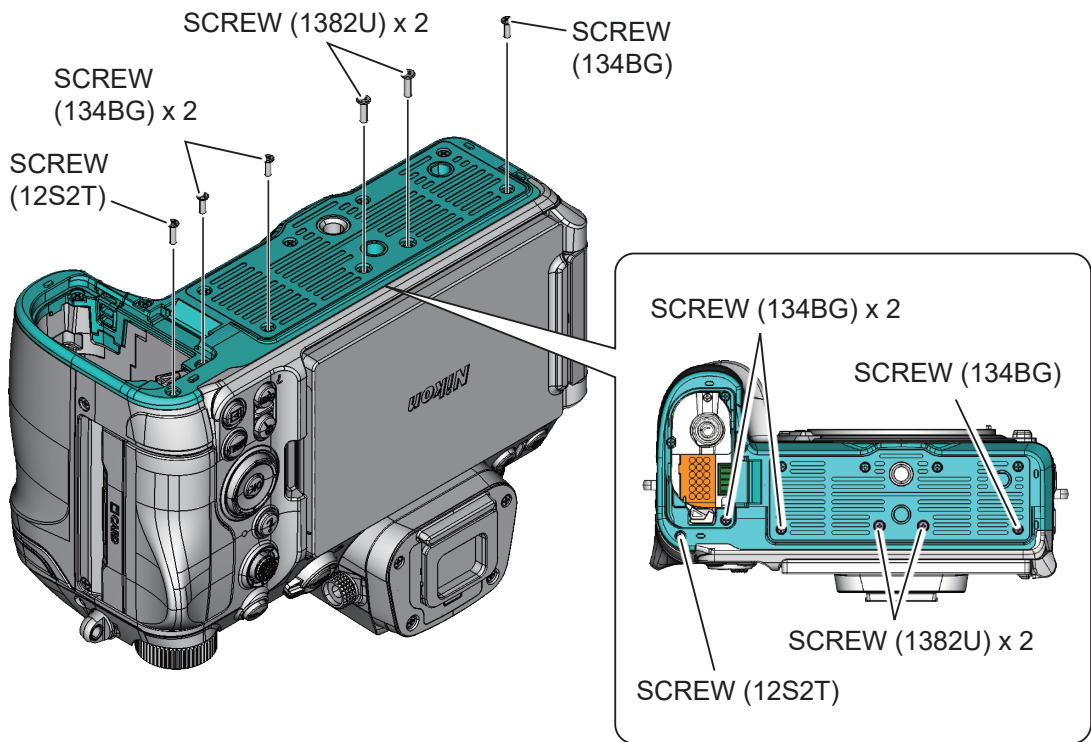
NAME PLATE



NECK-STRAP RING

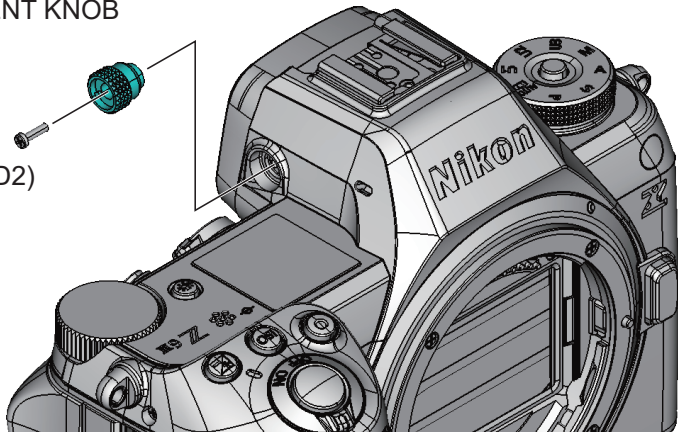


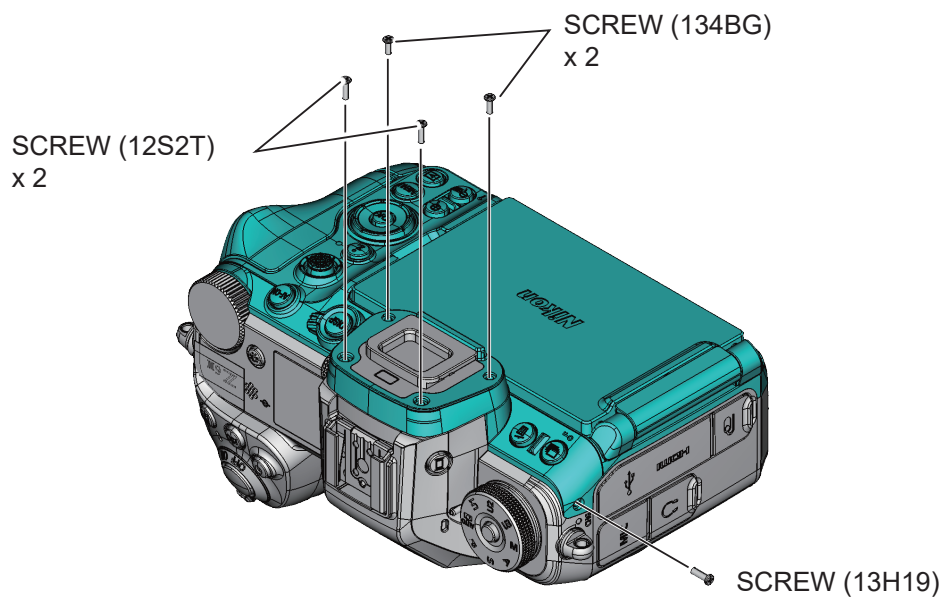
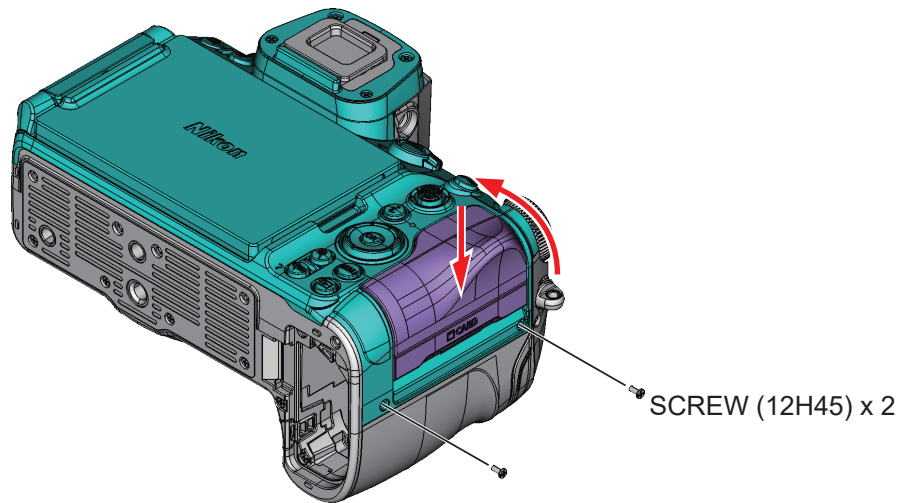
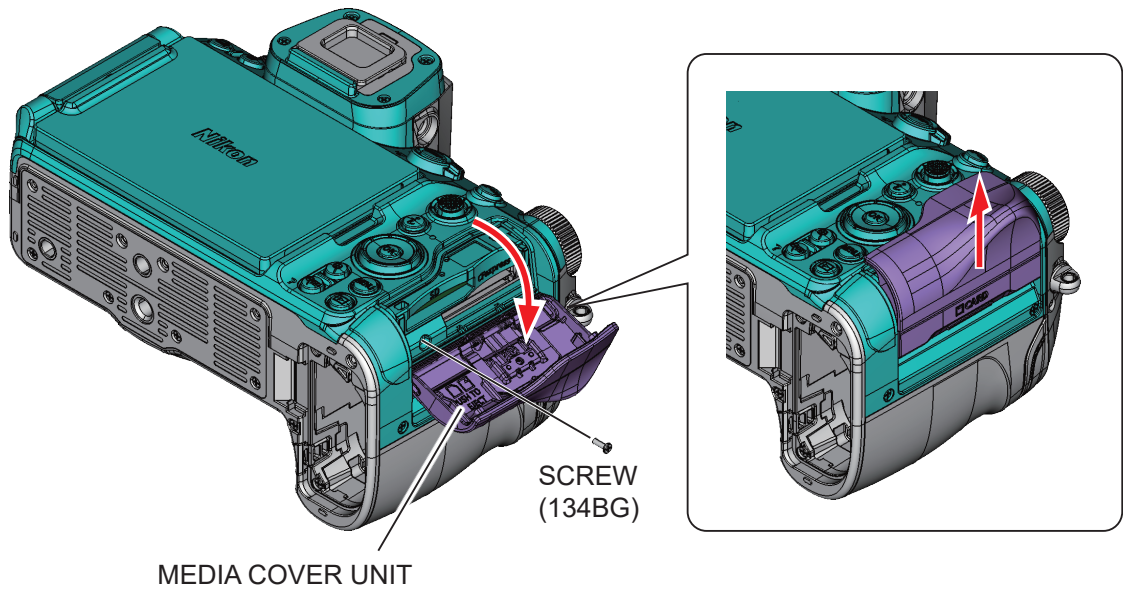
REAR SECTION

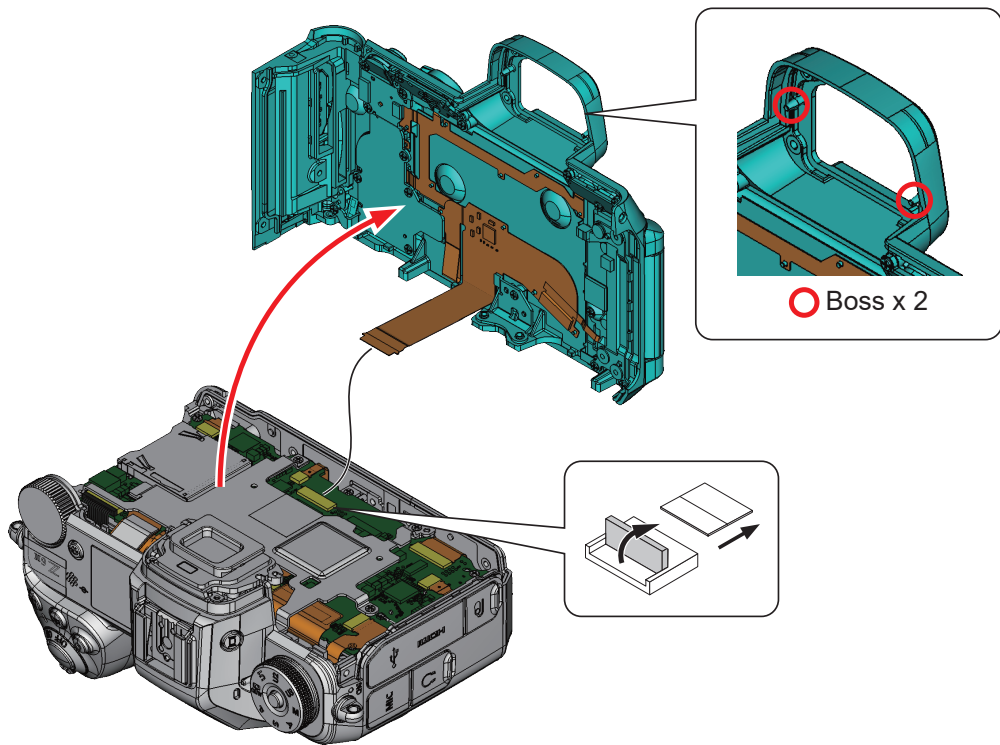


DIOPTRIC ADJUSTMENT KNOB
(13H2W)

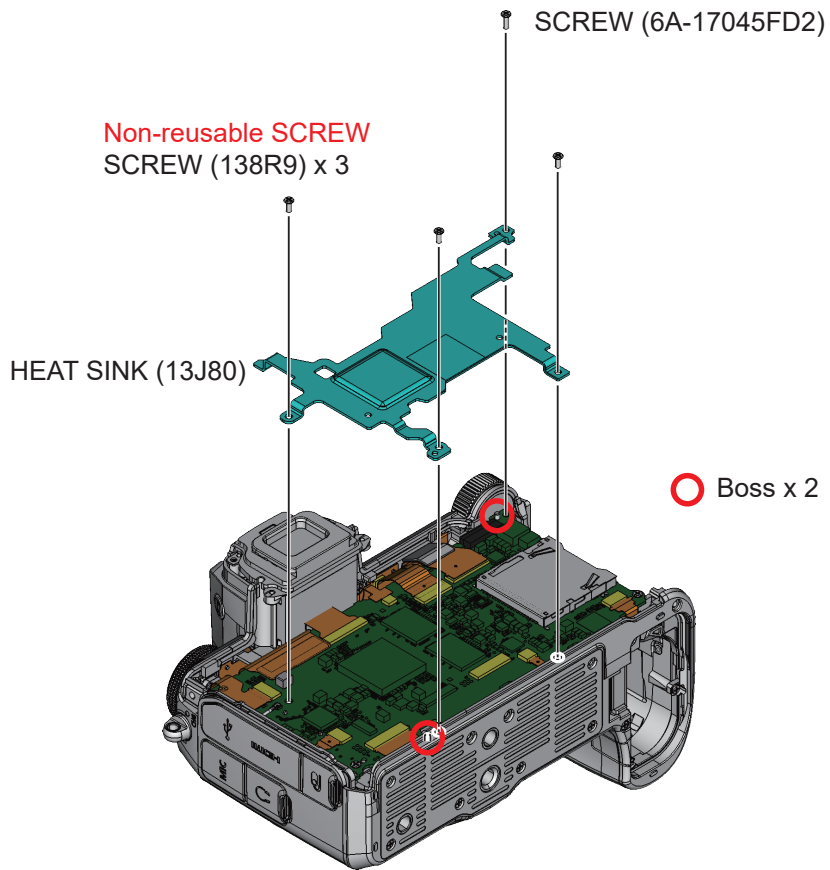
SCREW (H1-17060FD2)

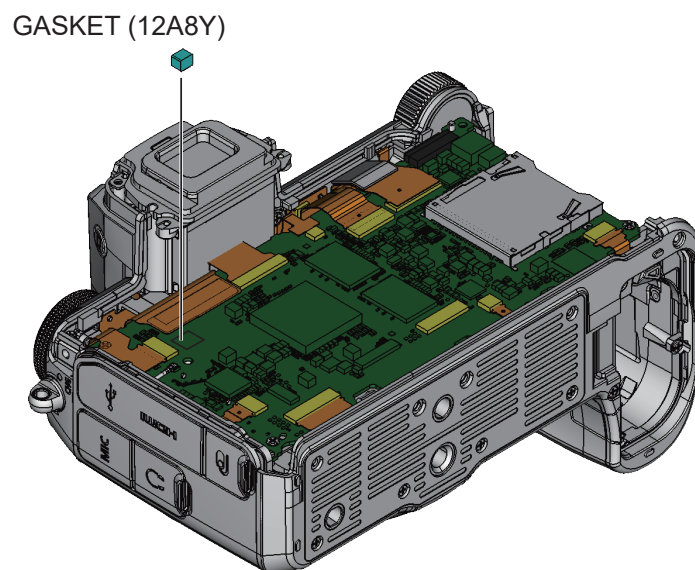
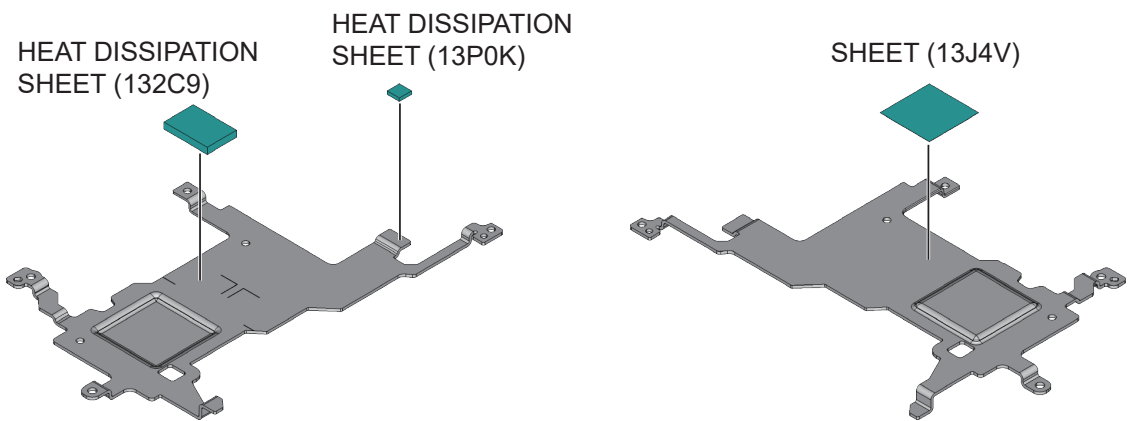
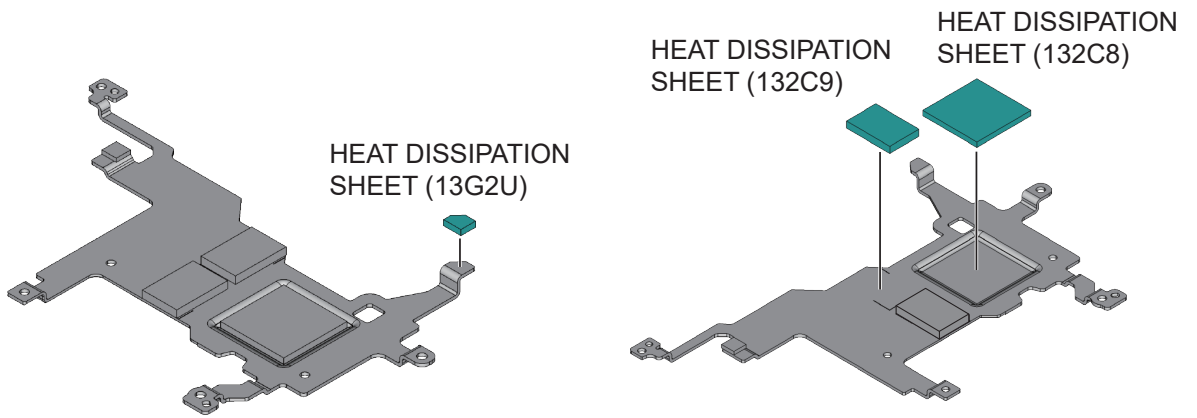




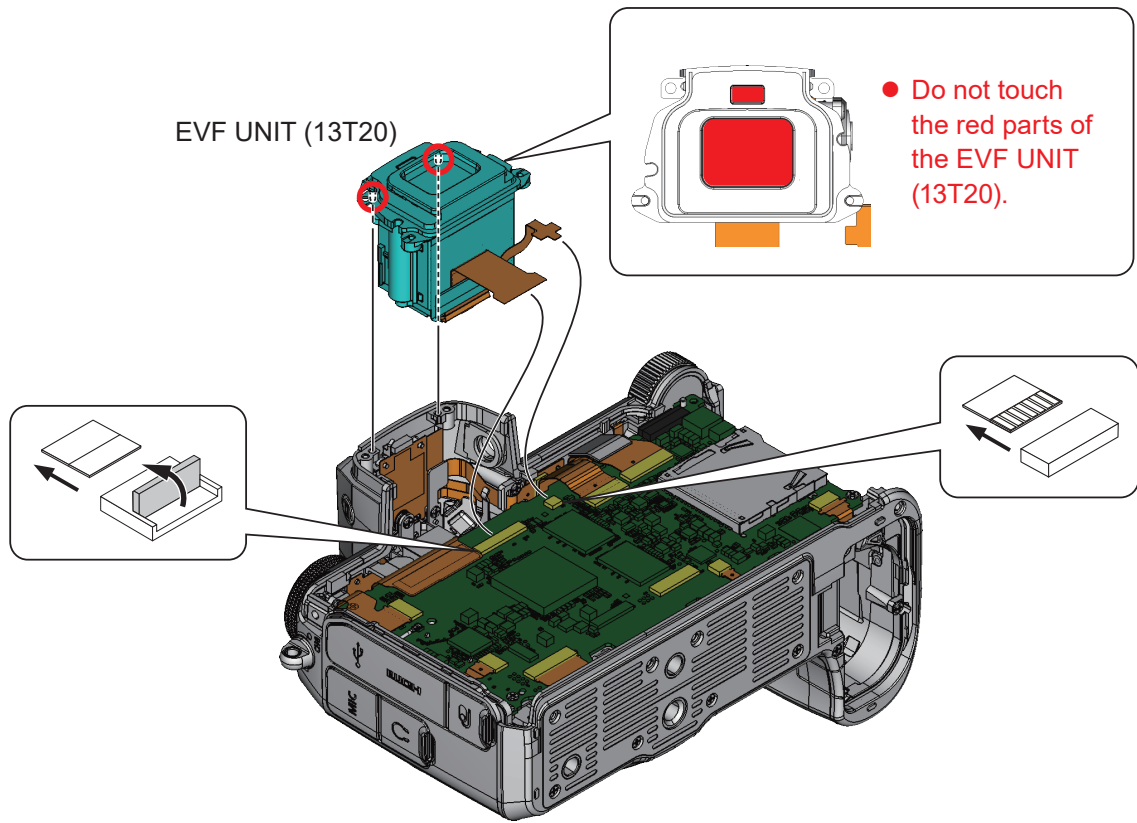


HEAT SINK

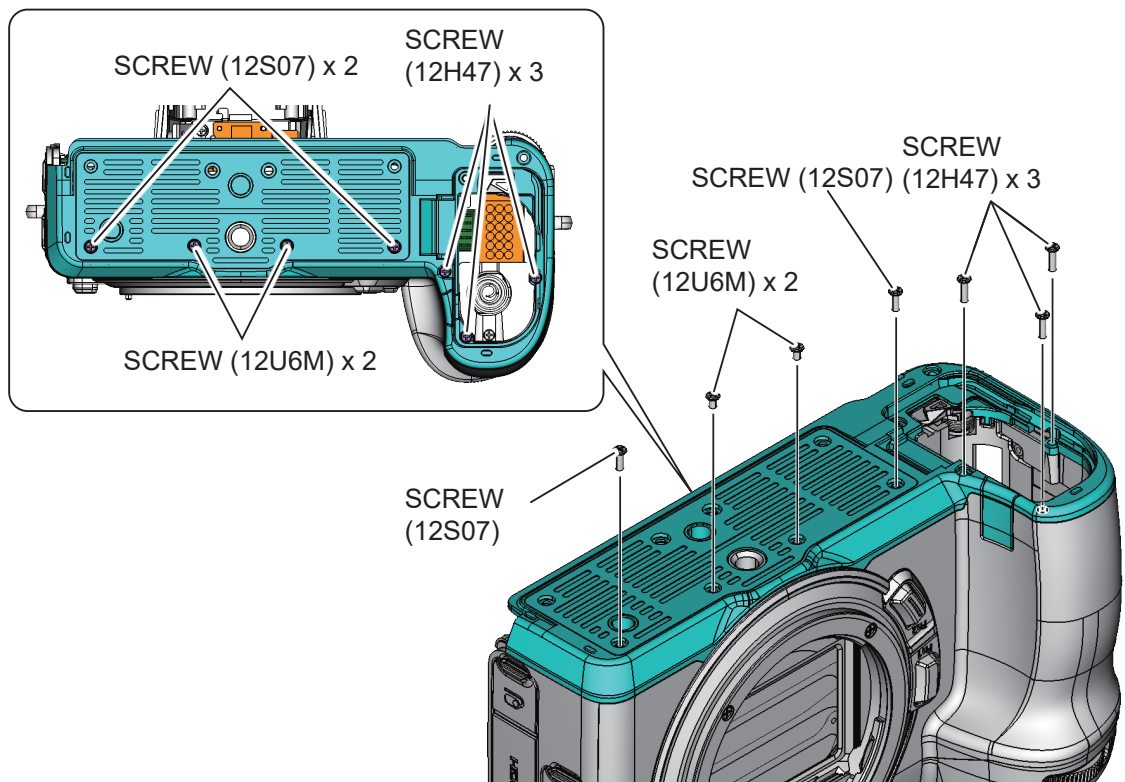




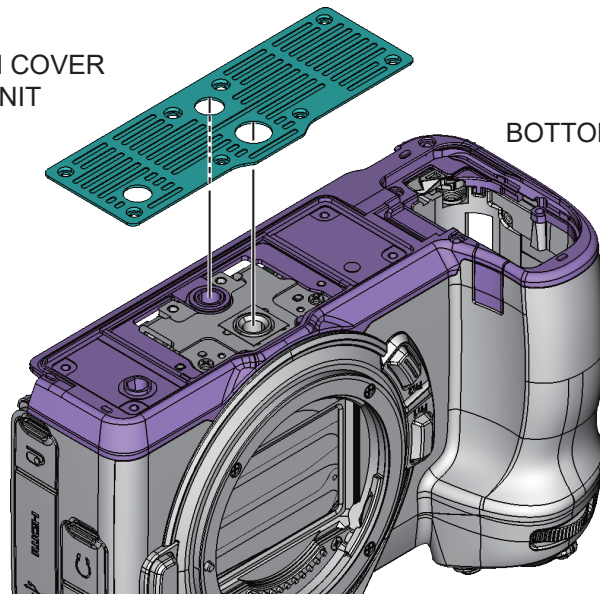
EVF UNIT



BOTTOM COVER

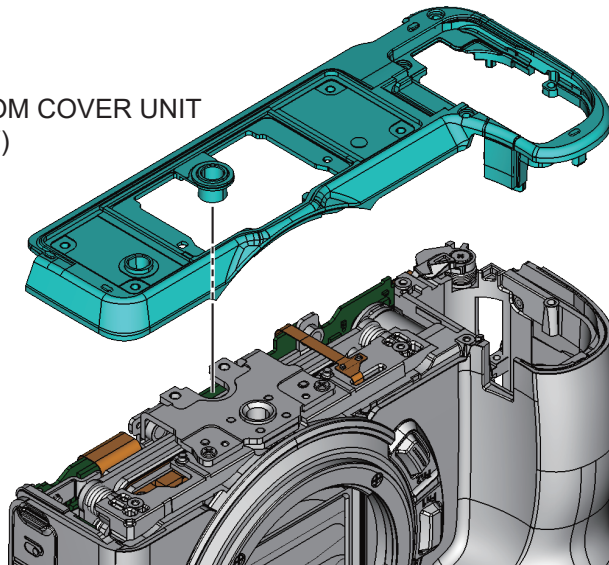


BOTTOM COVER
PLATE UNIT
(13J7Z)

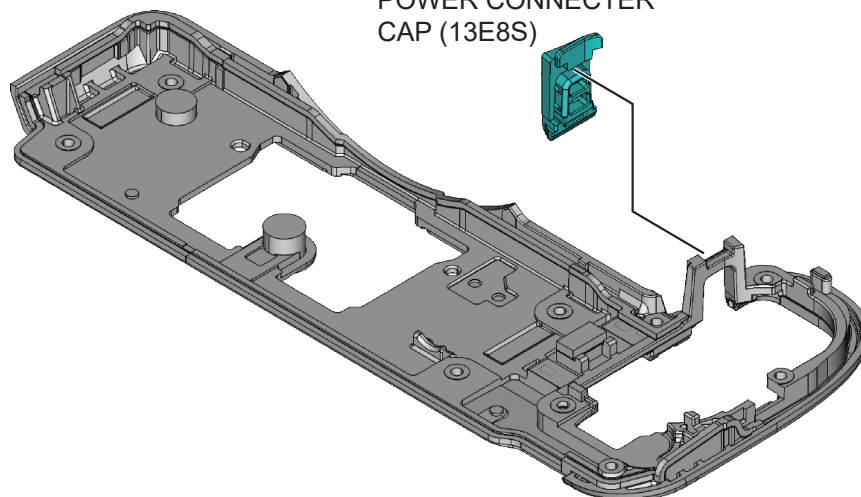


BOTTOM COVER UNIT

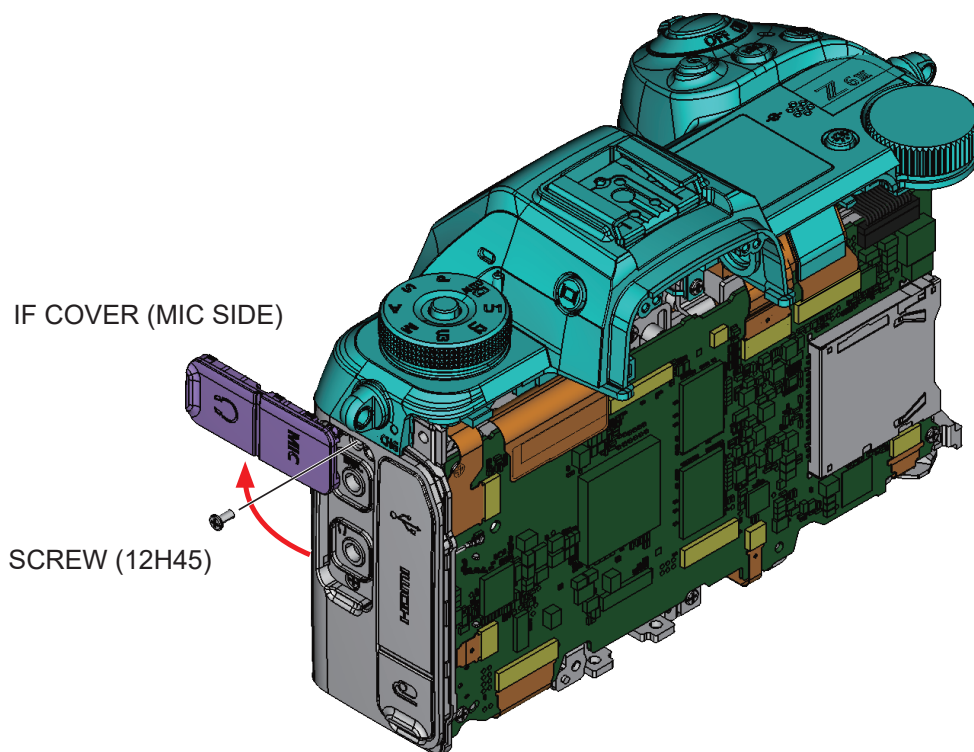
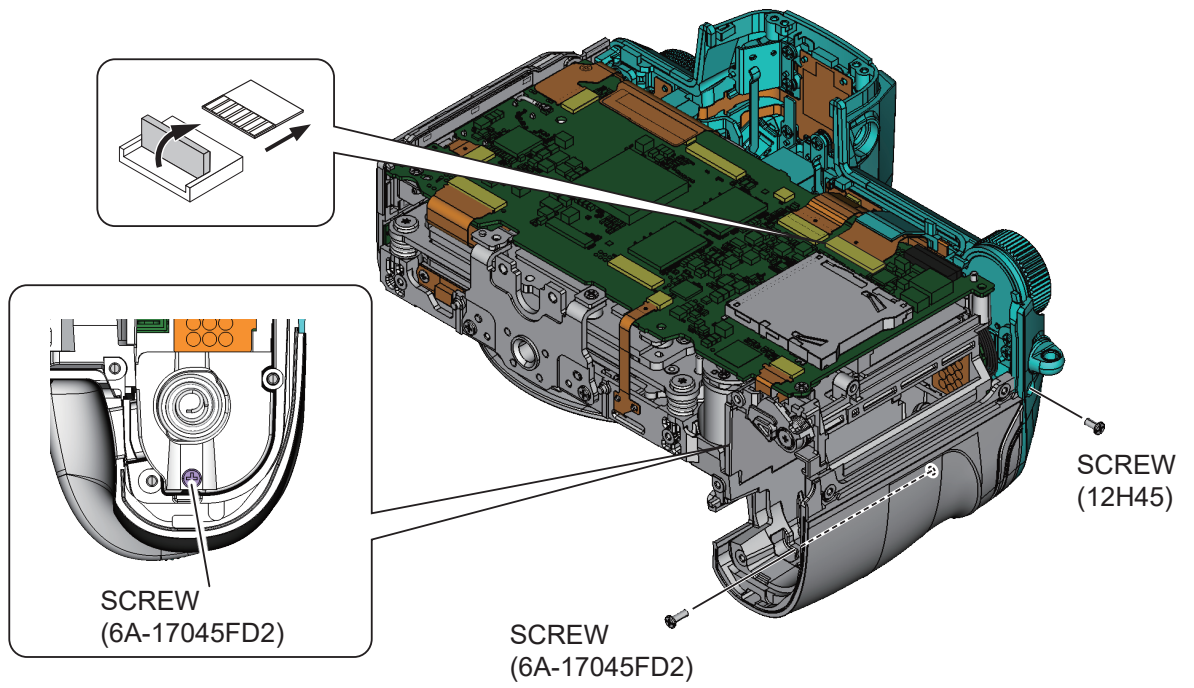
BOTTOM COVER UNIT
(13J7Y)

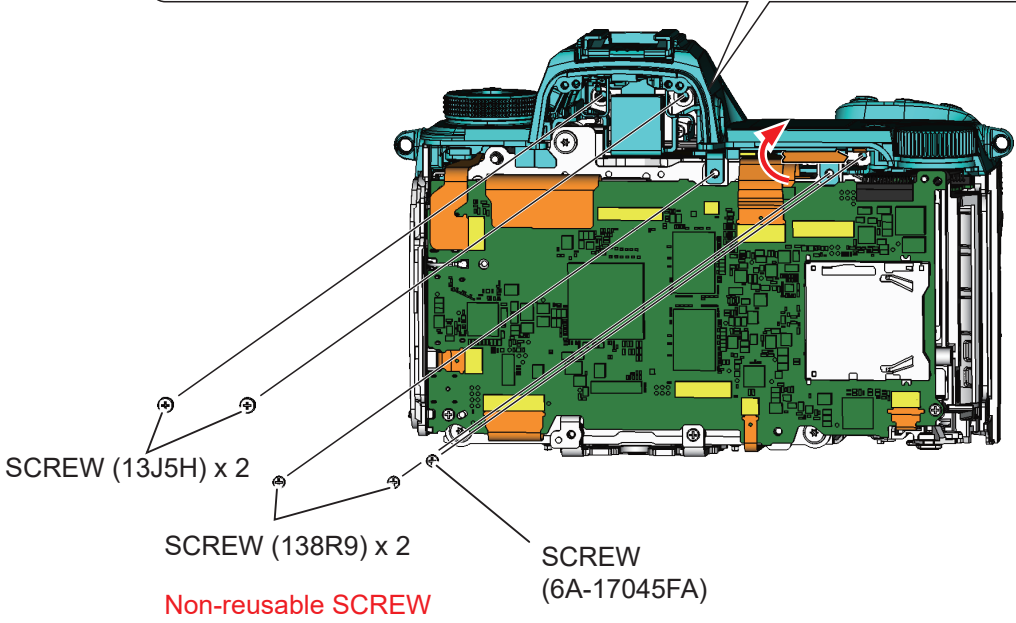
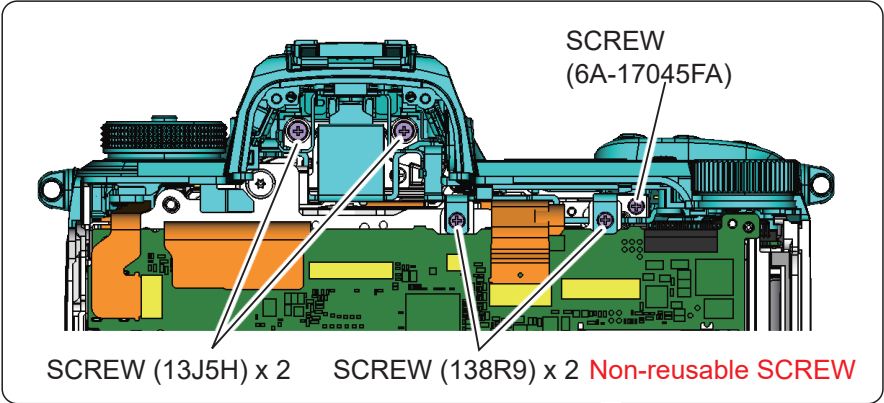


POWER CONNECTER
CAP (13E8S)

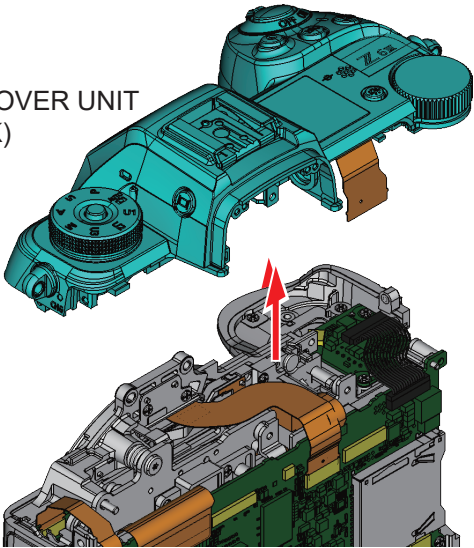


TOP COVER section



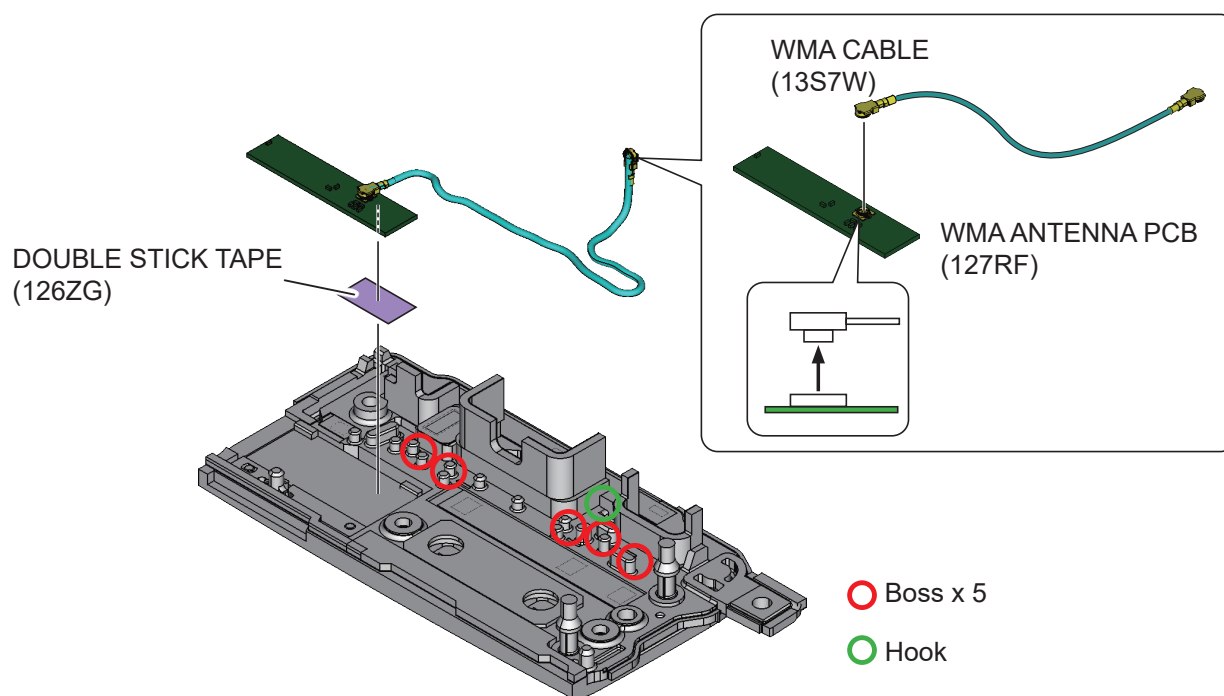
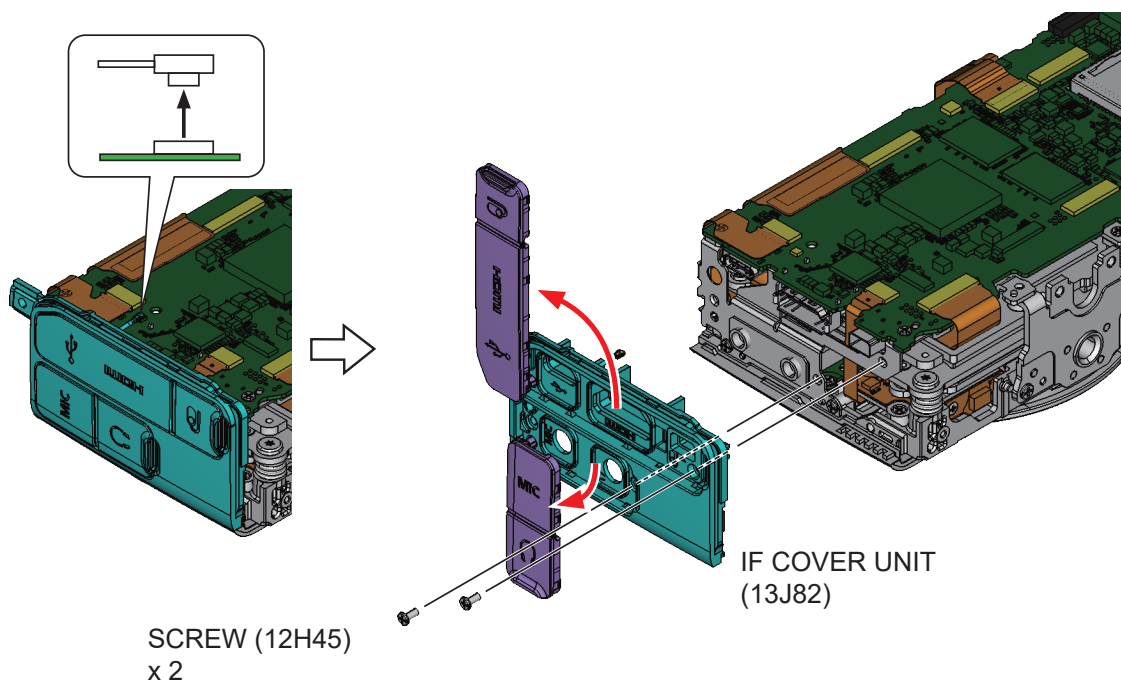


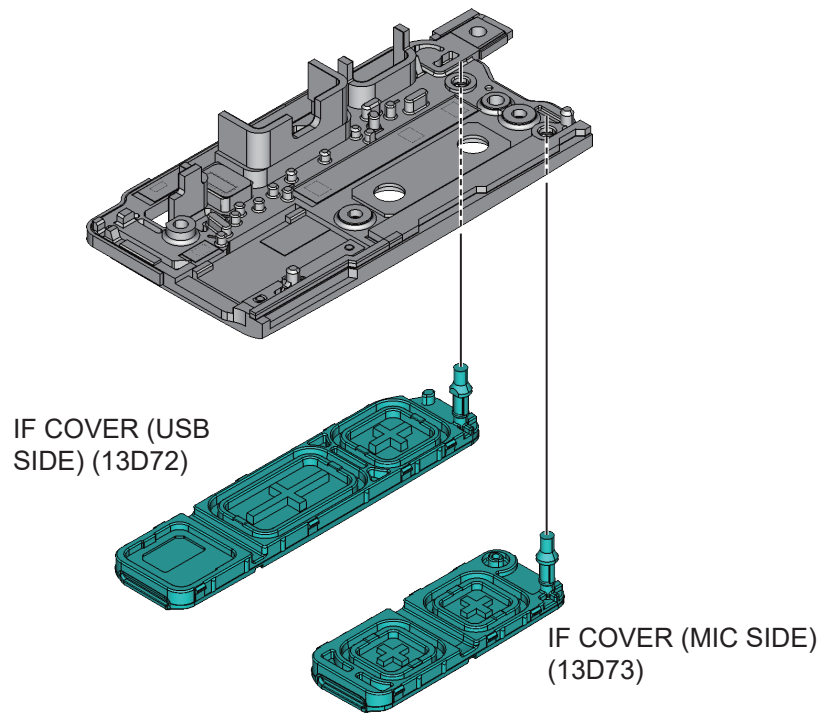
TOP COVER UNIT
(13S9K)



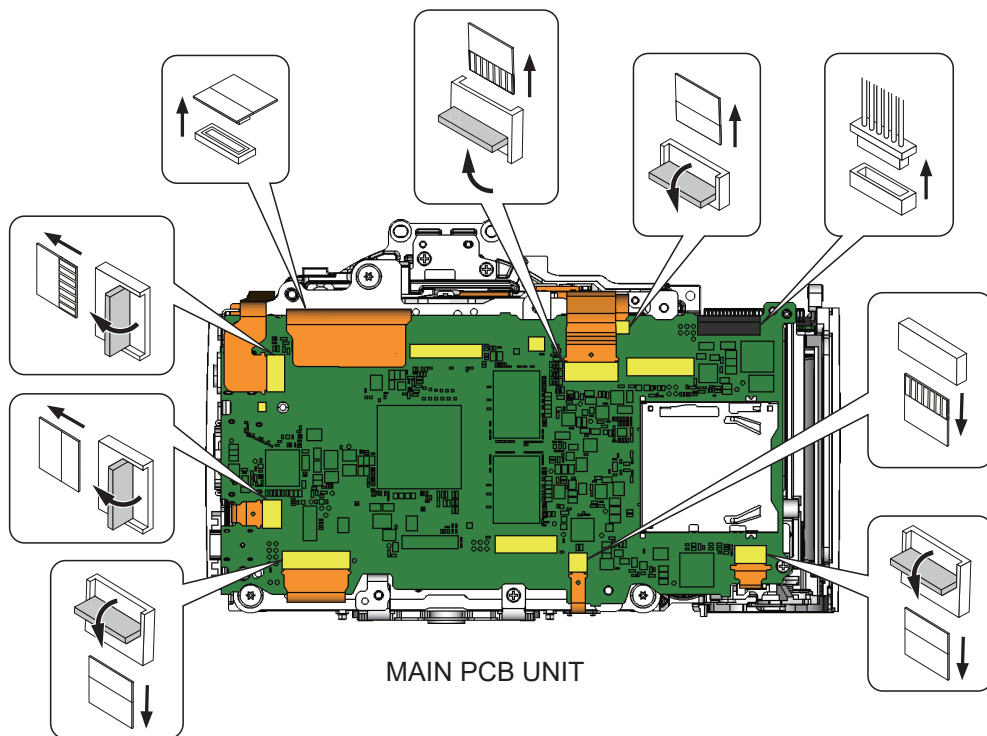
2. FRONT BODY

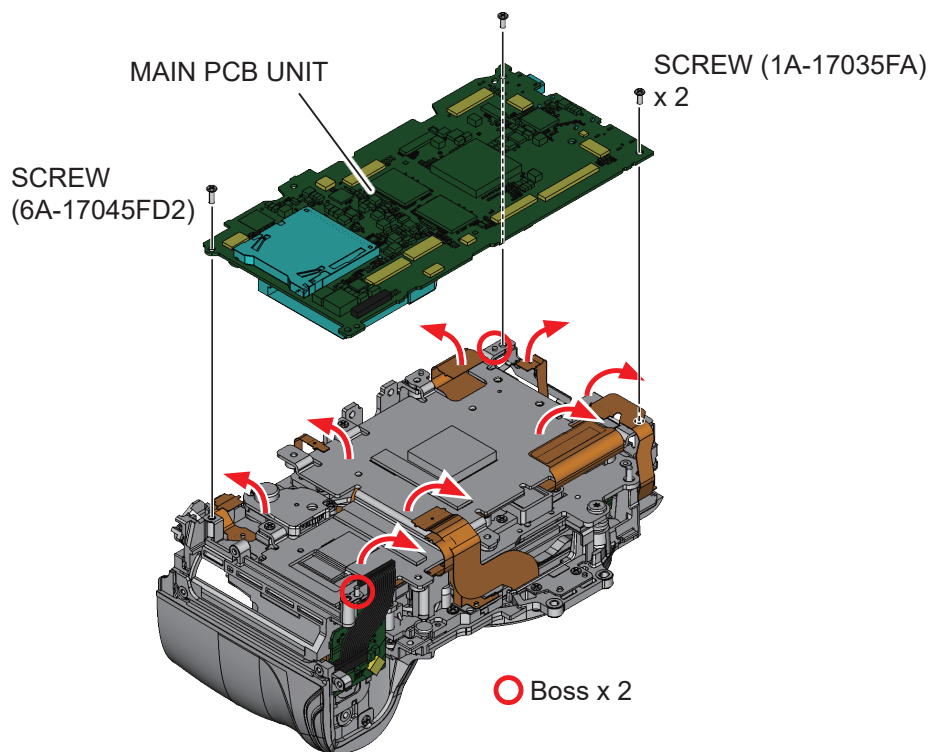
IF COVER UNIT



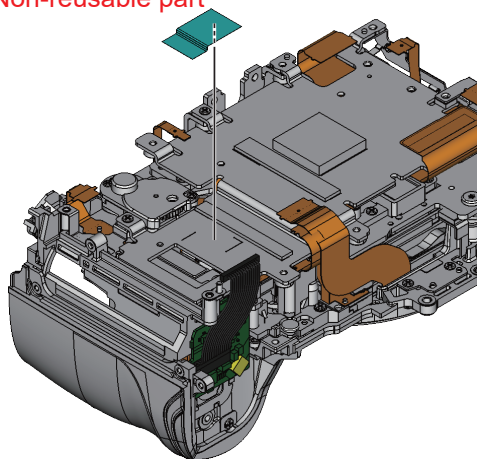


MAIN PCB UNIT

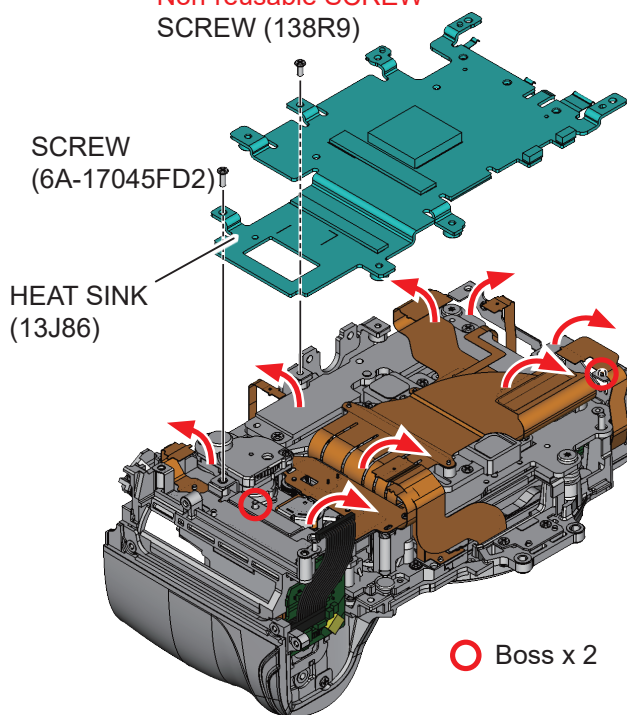




HEAT DISSIPATION SHEET (13E8J)
Non-reusable part

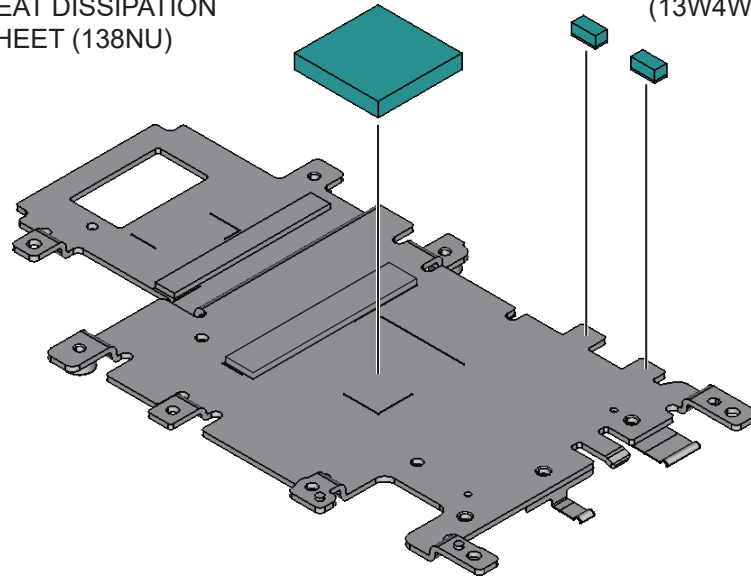


Non-reusable SCREW (138R9)



HEAT DISSIPATION SHEET (138NU)

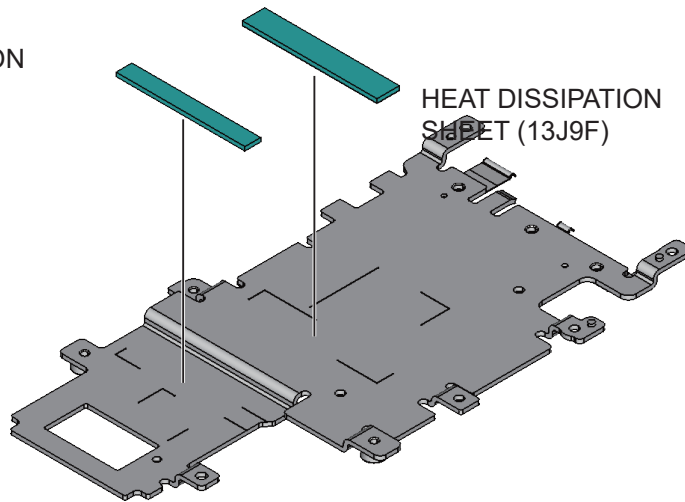
SPONGE (13W4W) x 2



HEAT DISSIPATION SHEET (1428S)

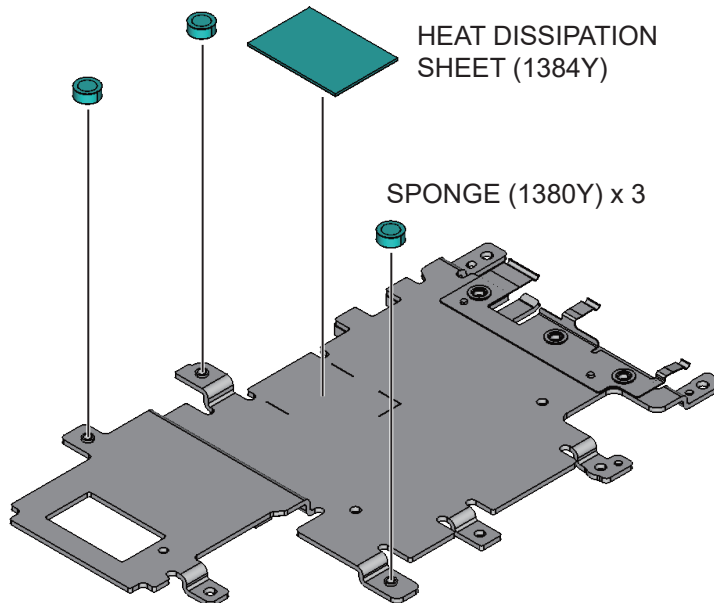
HEAT DISSIPATION SHEET (13E8H)

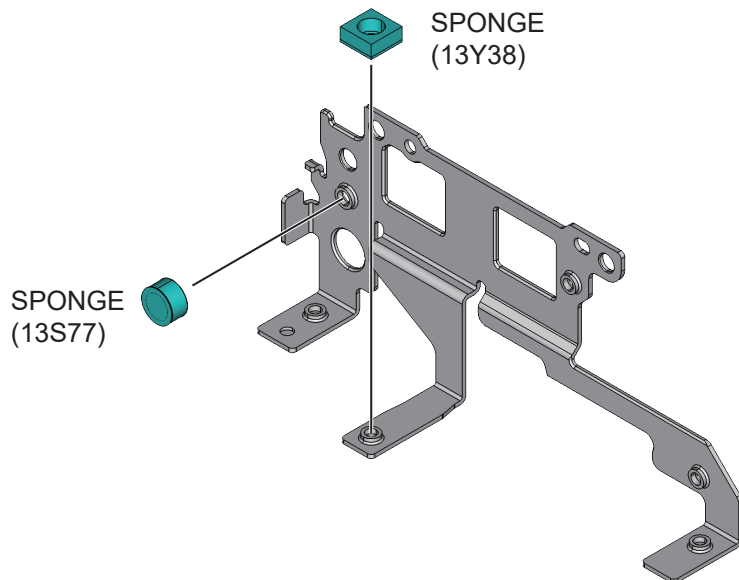
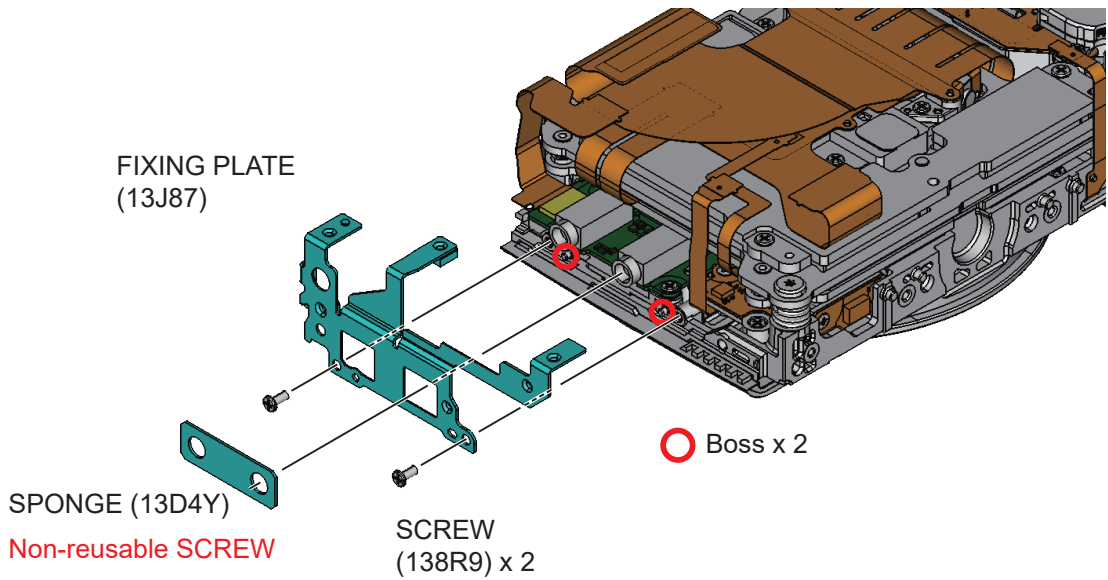
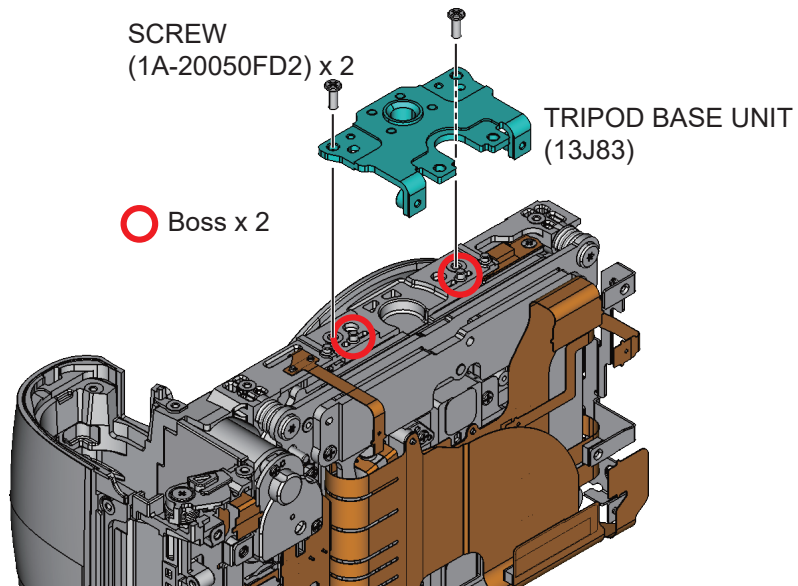
HEAT DISSIPATION SHEET (13J9F)

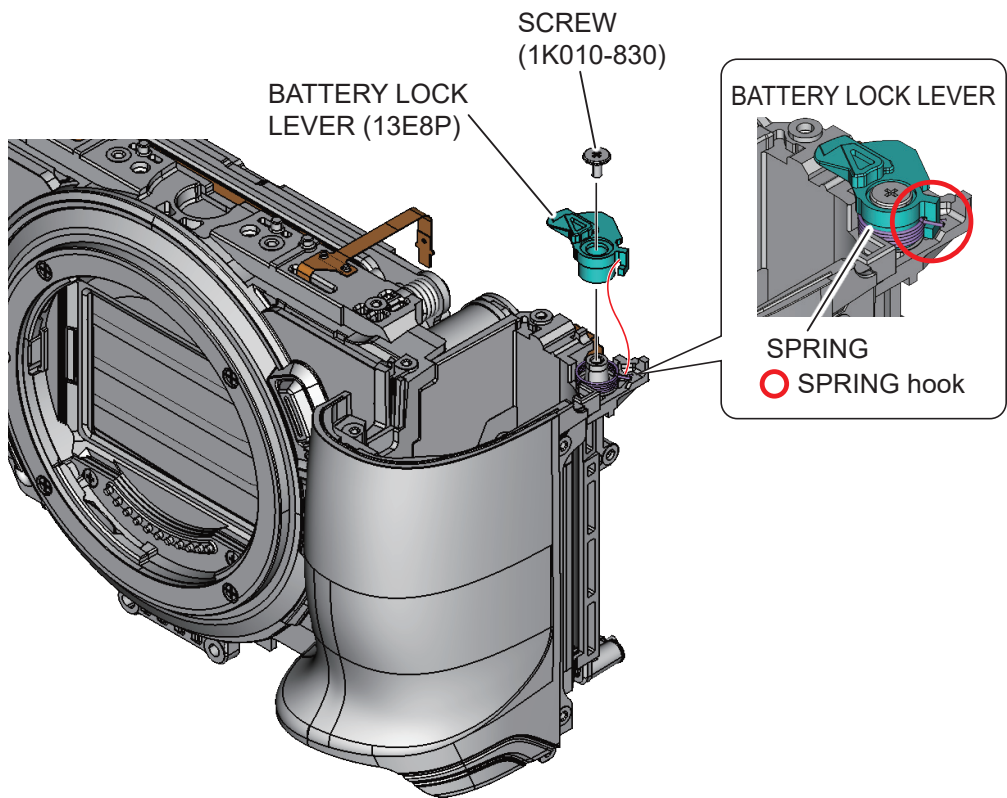
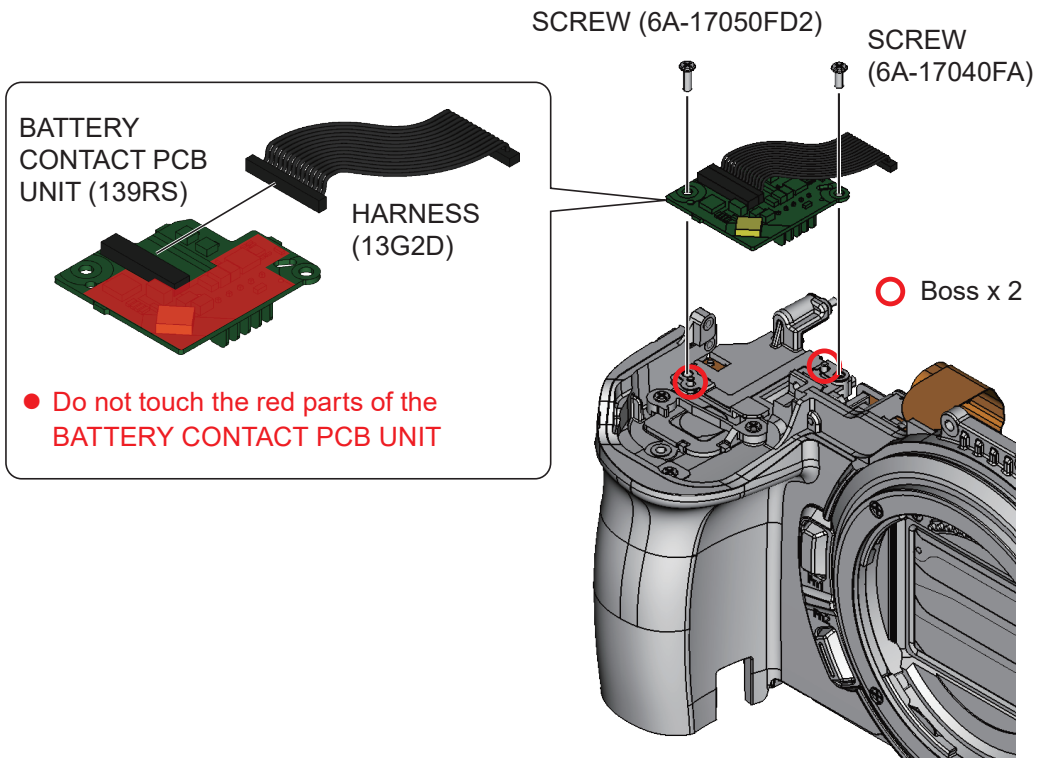


HEAT DISSIPATION SHEET (1384Y)

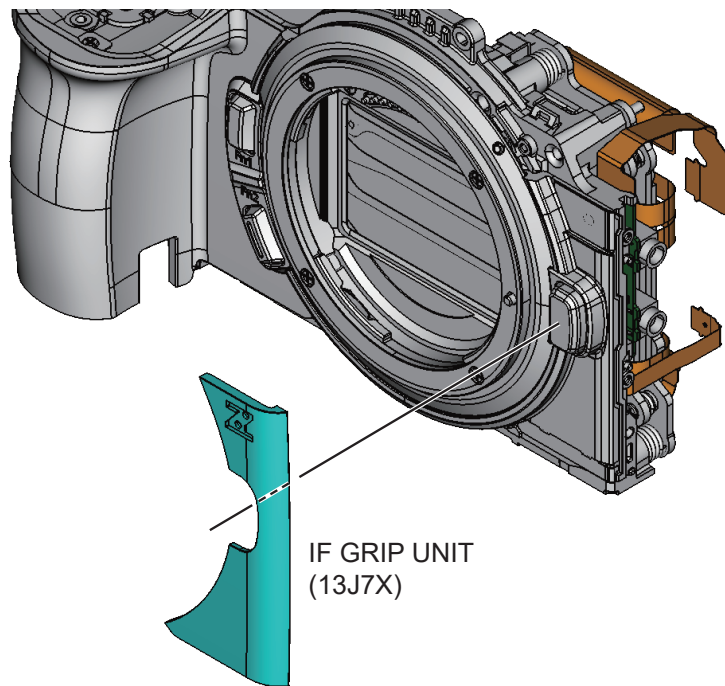
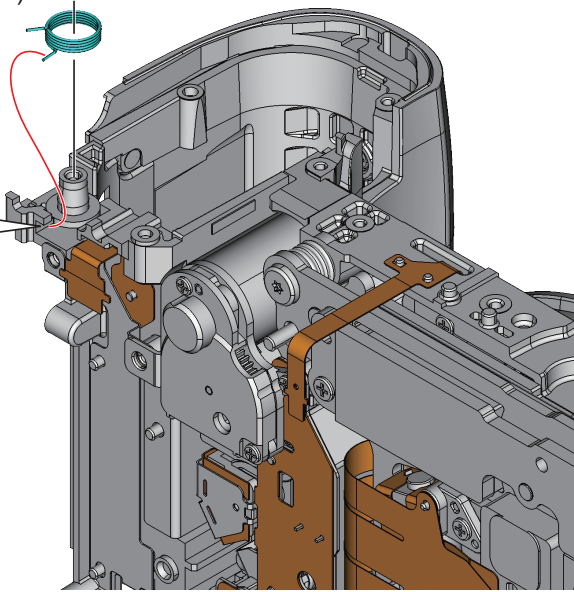
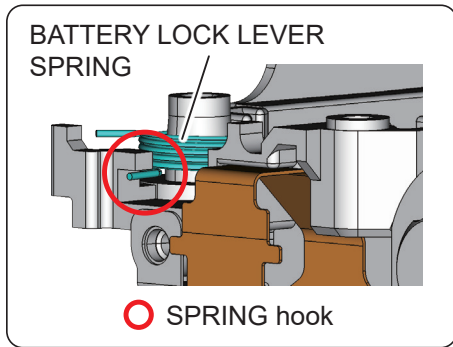
SPONGE (1380Y) x 3

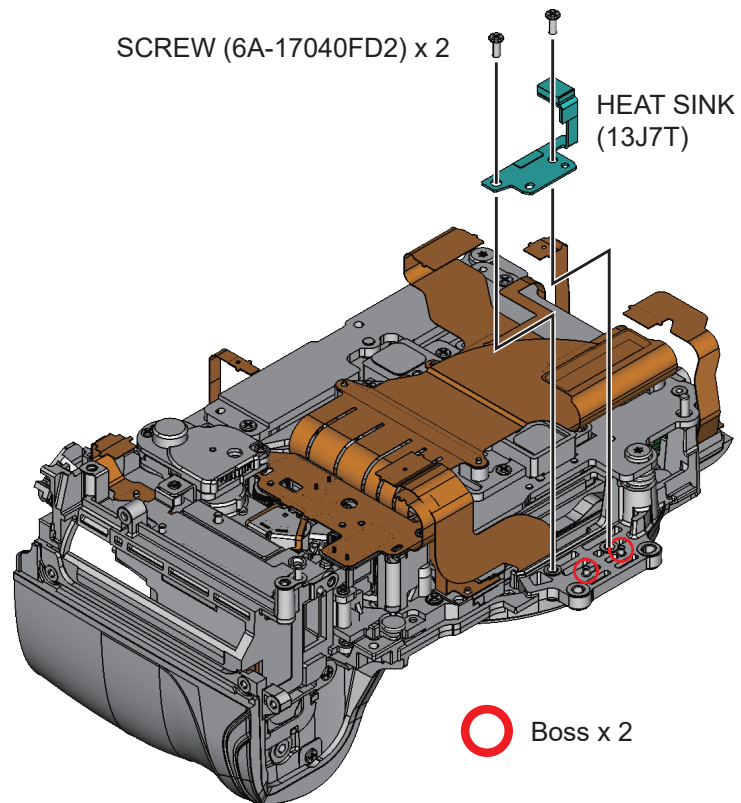
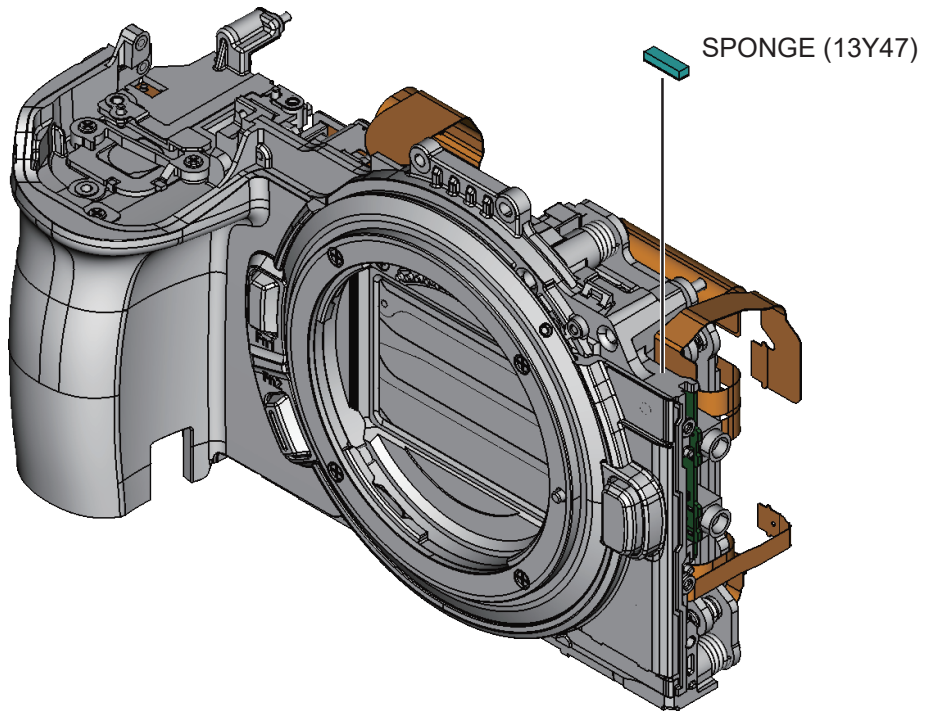






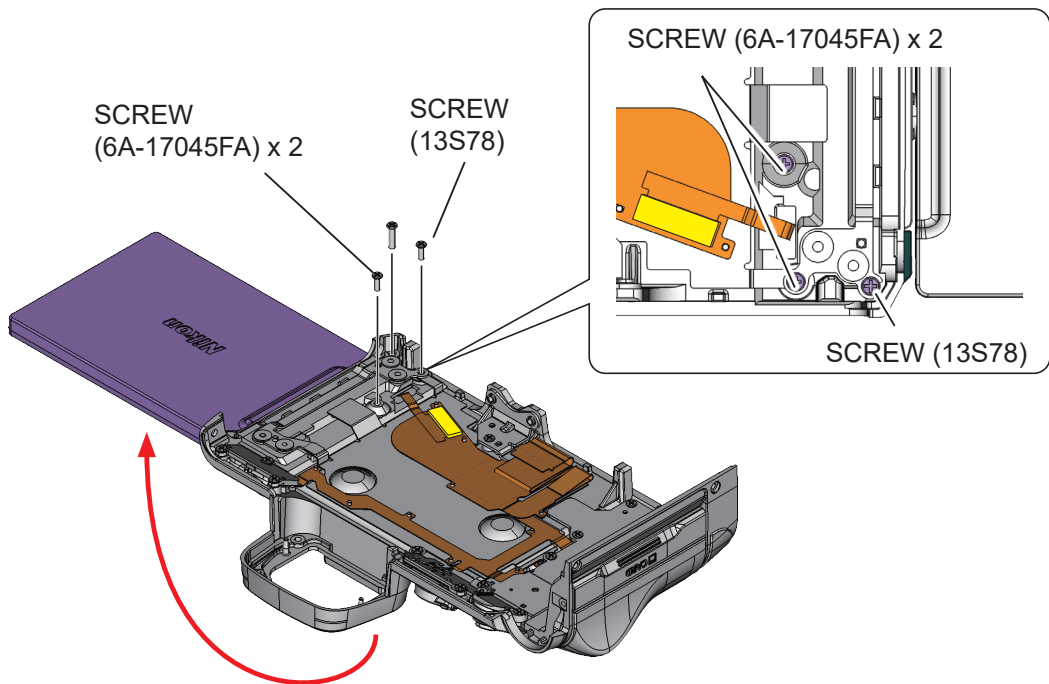
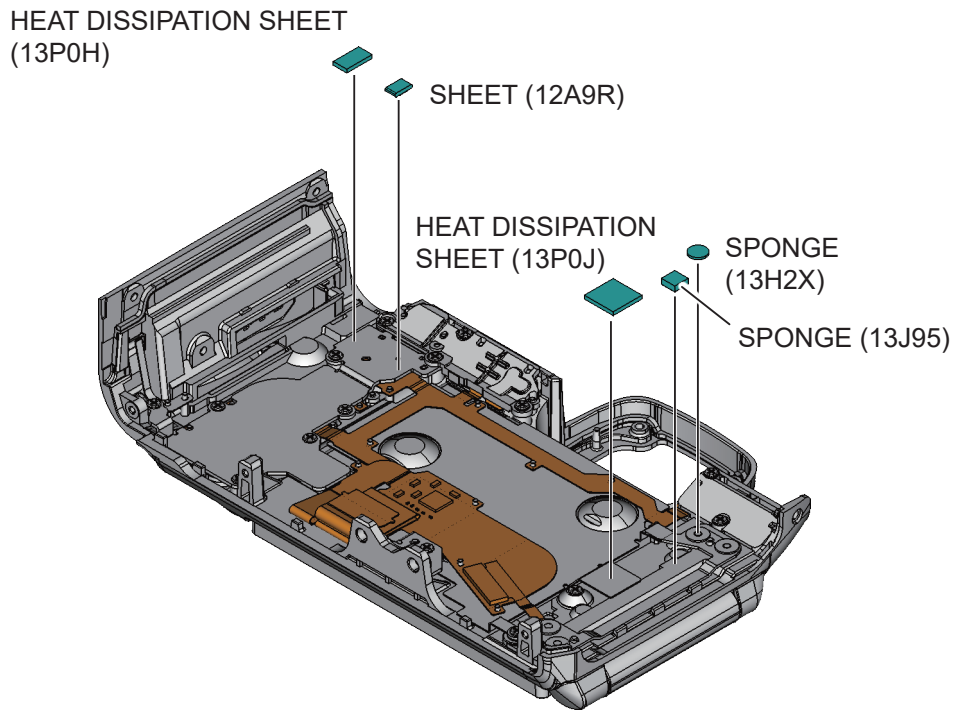
BATTERY LOCK LEVER
SPRING (13E8R)

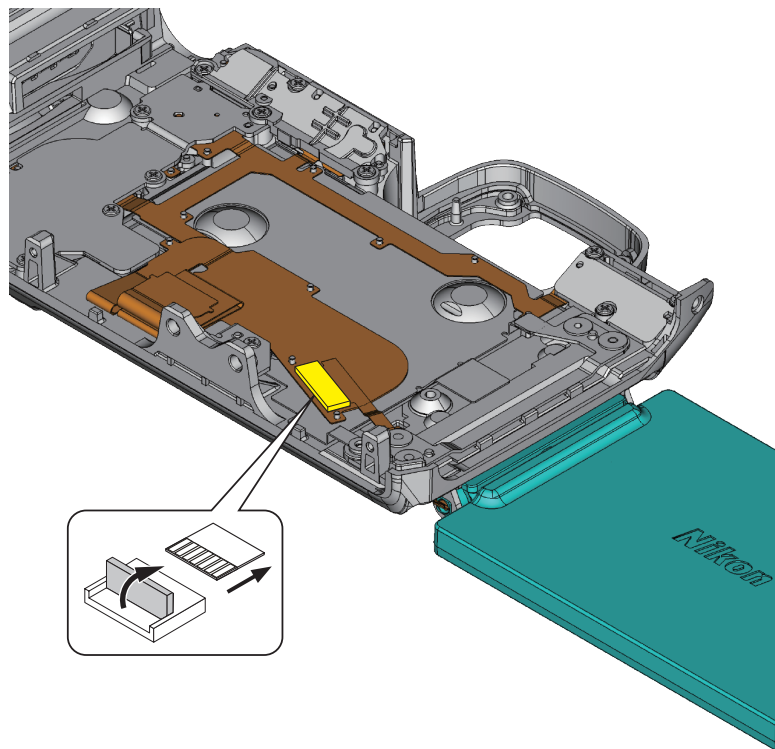
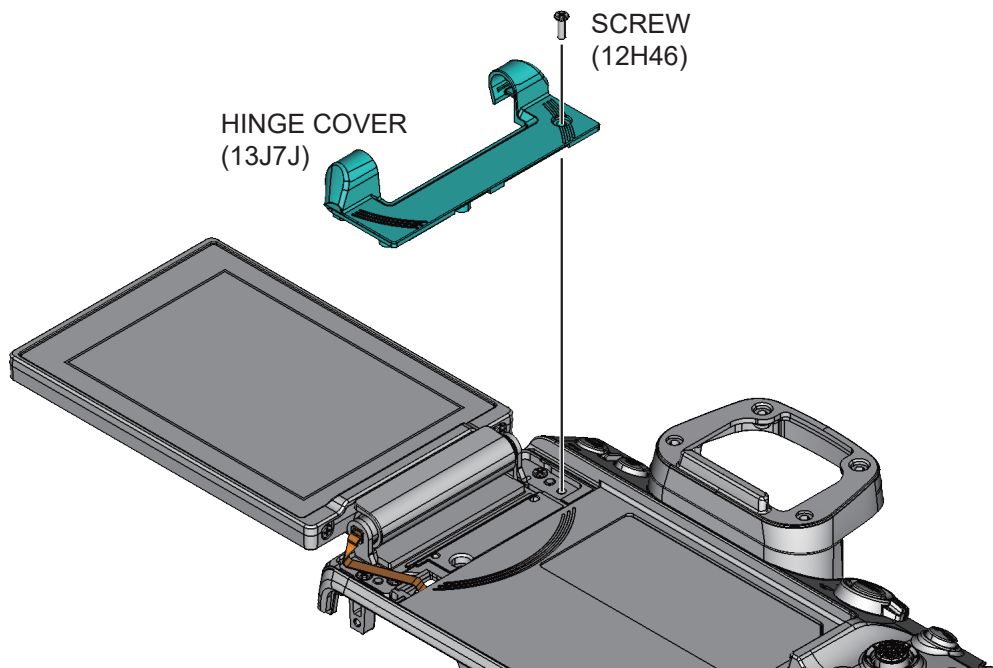


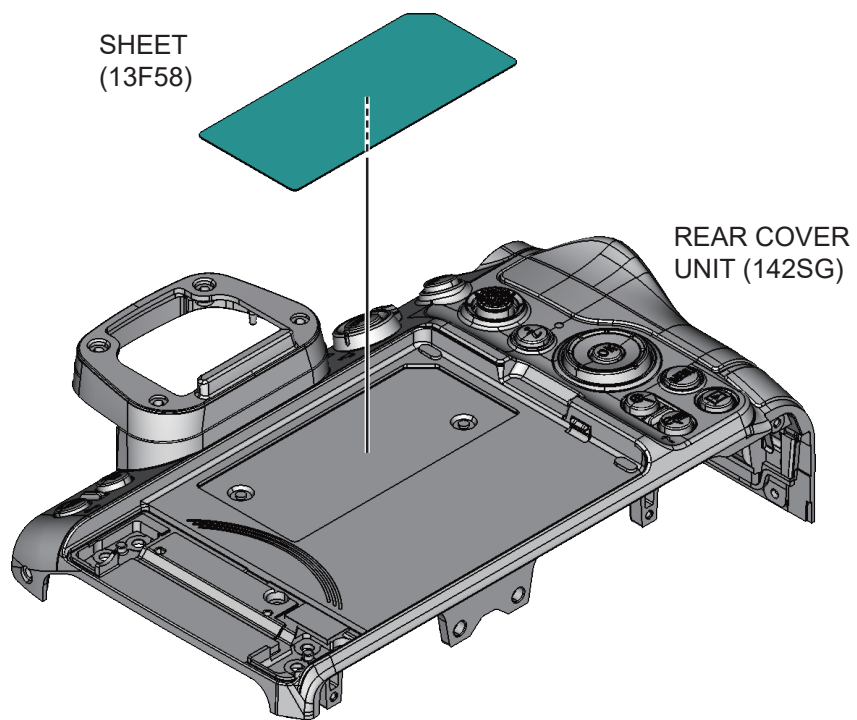
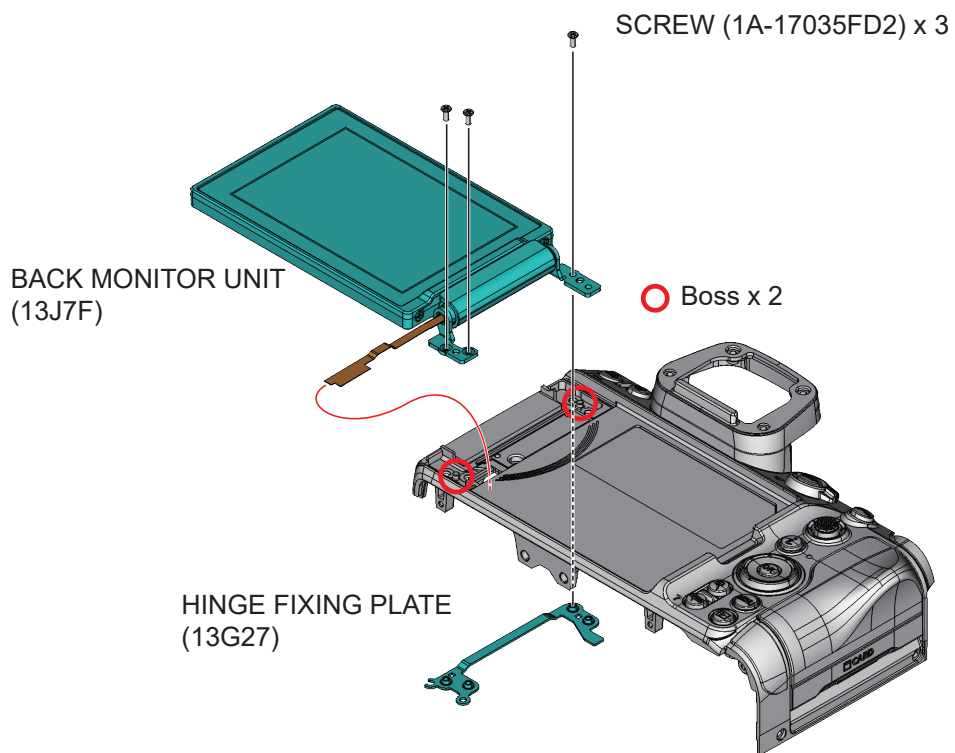


3. REAR COVER Section

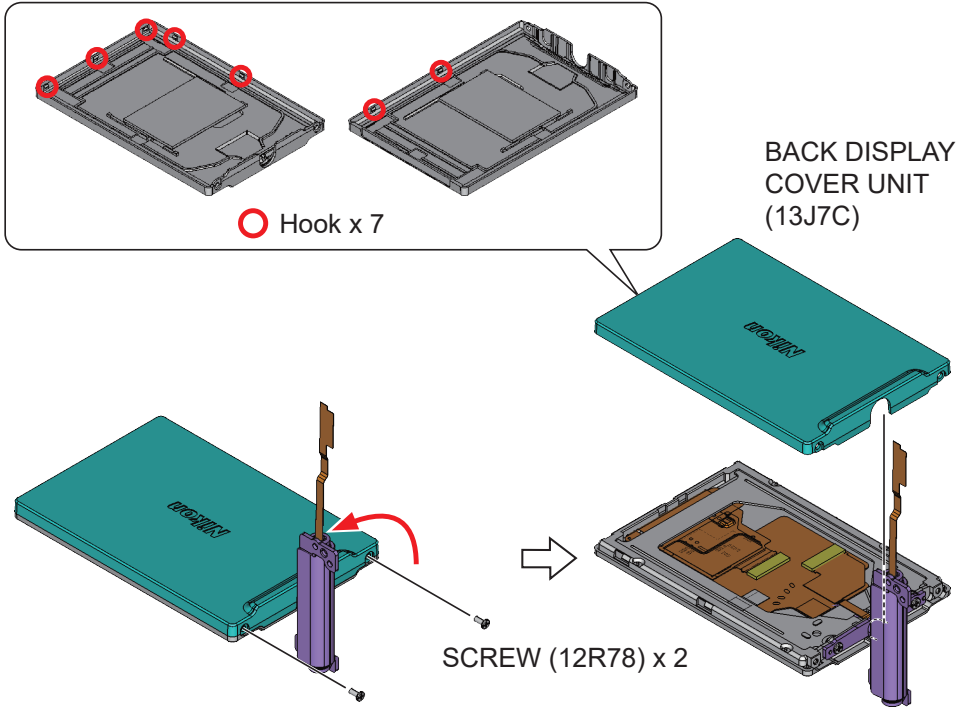
REAR COVER UNIT



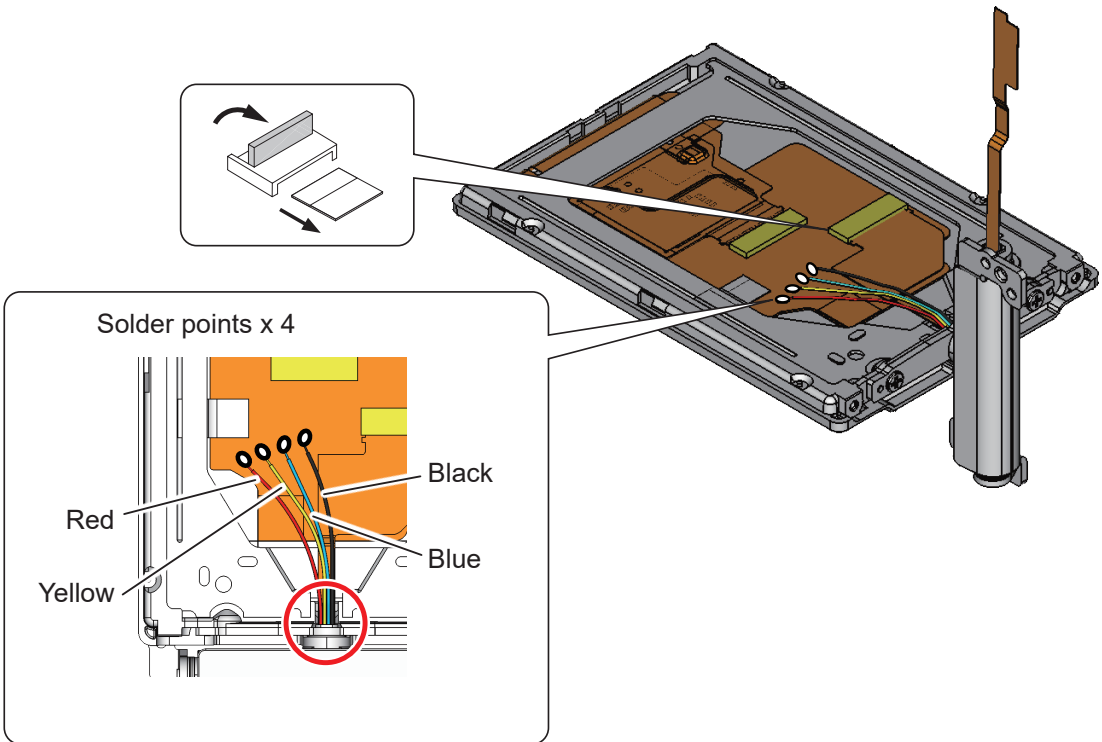


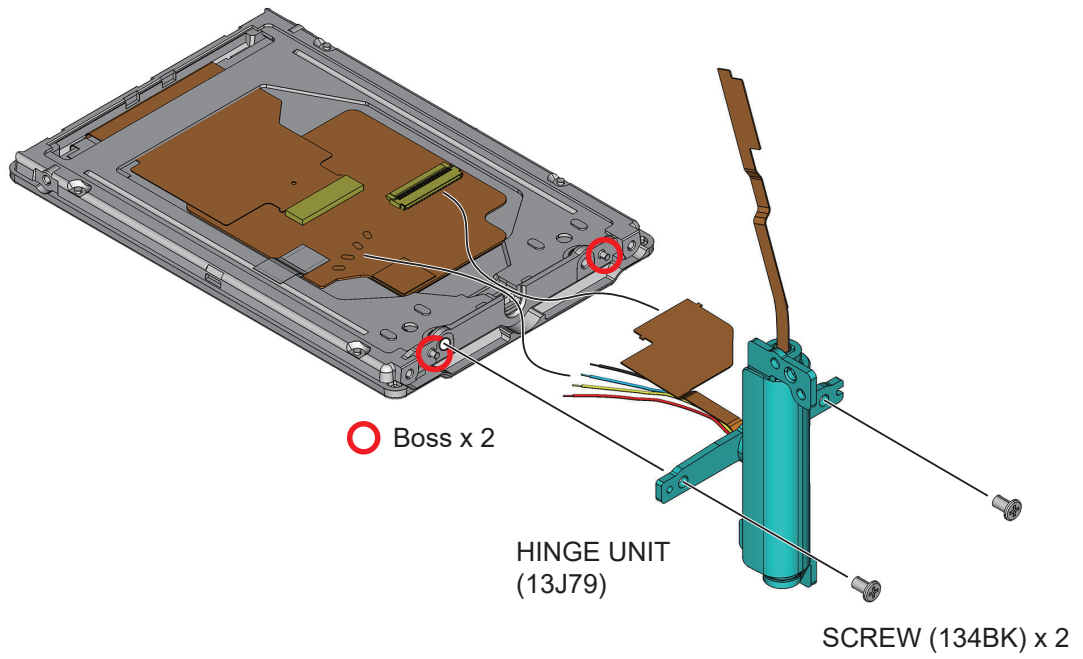


BACK DISPLAY COVER UNIT

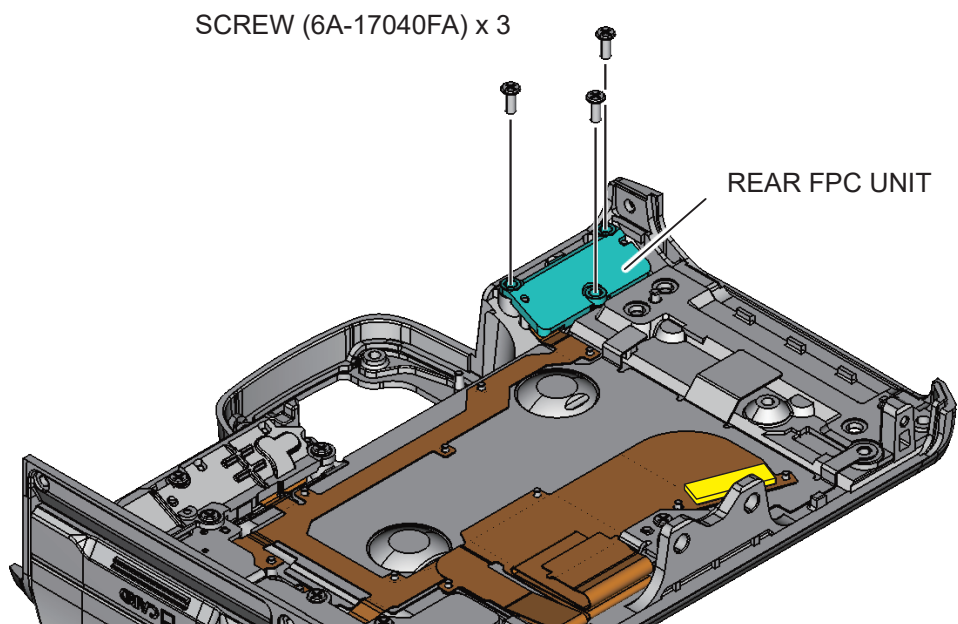


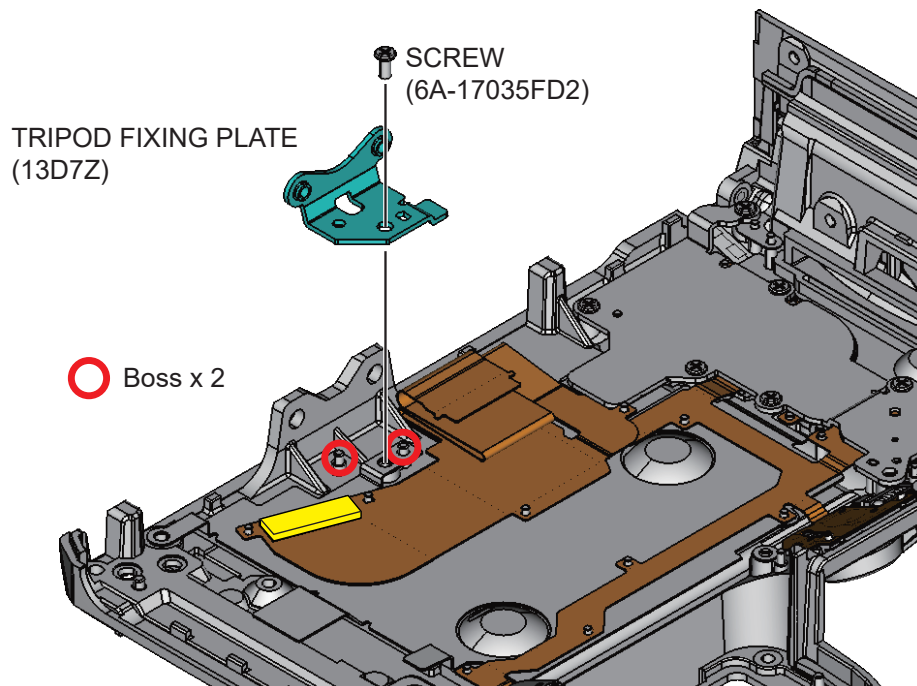
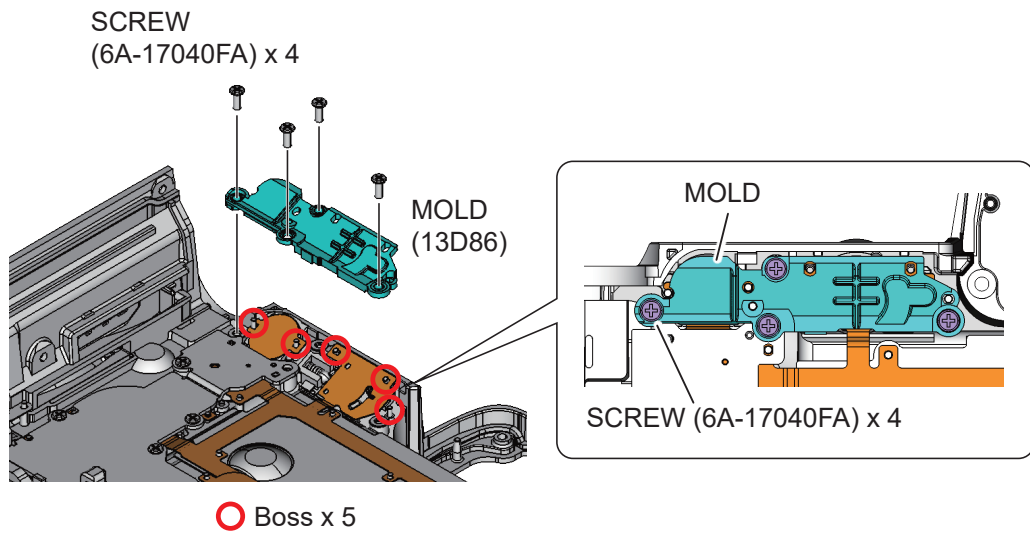
HINGE UNIT

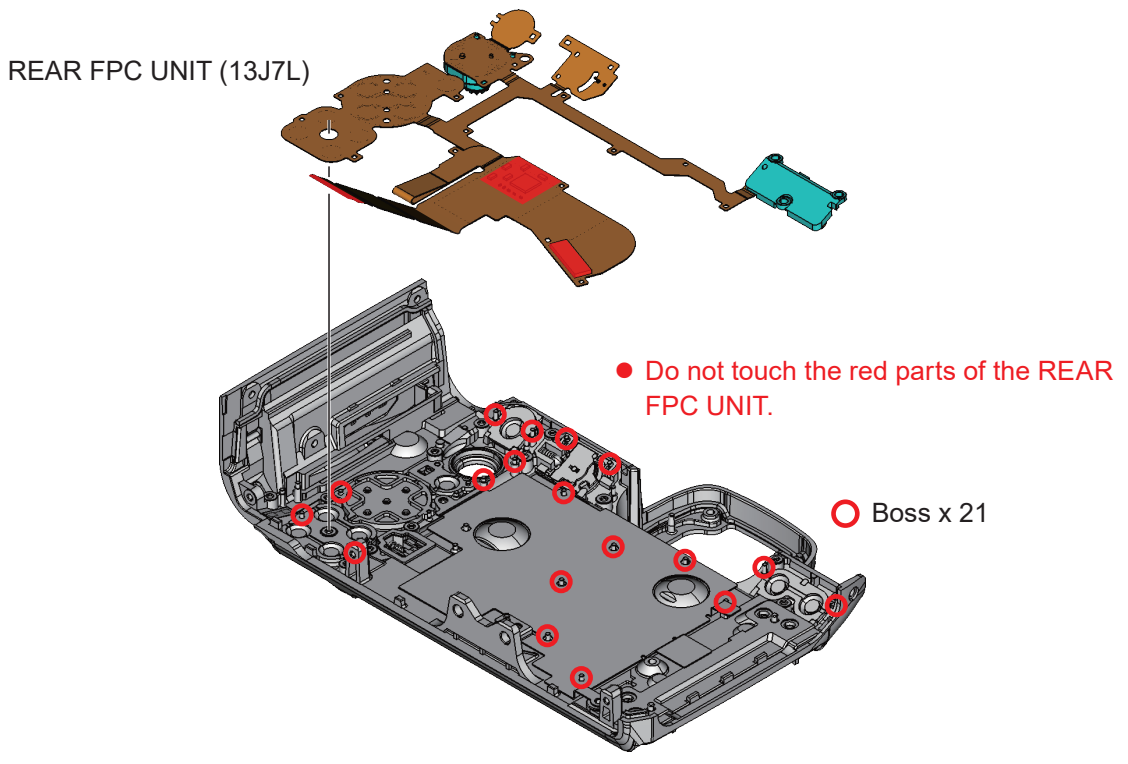
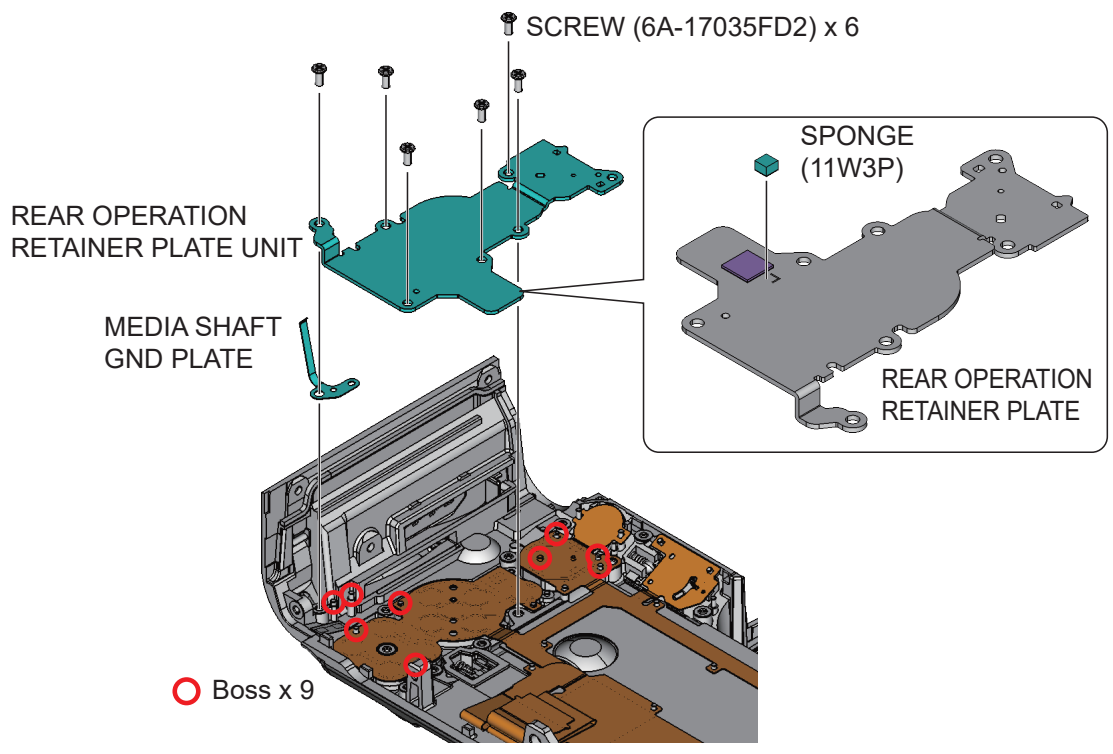


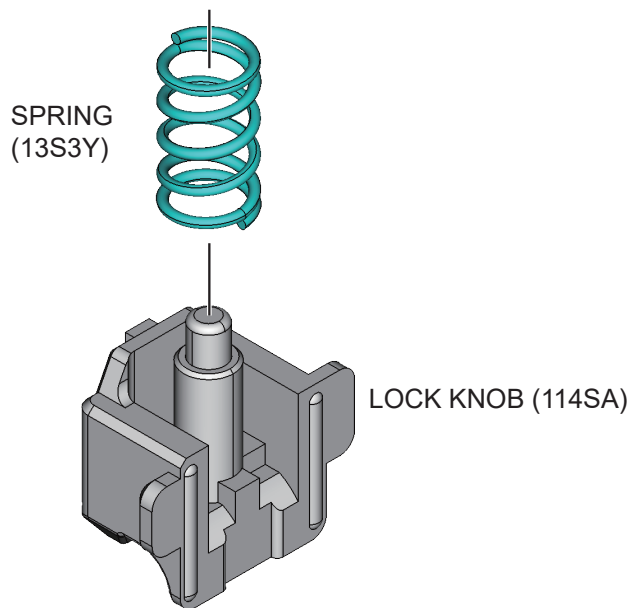
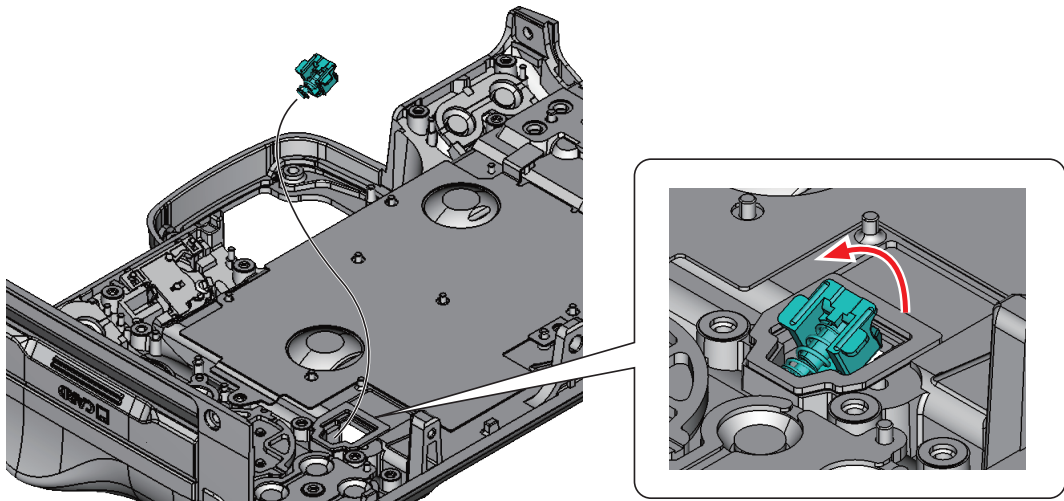
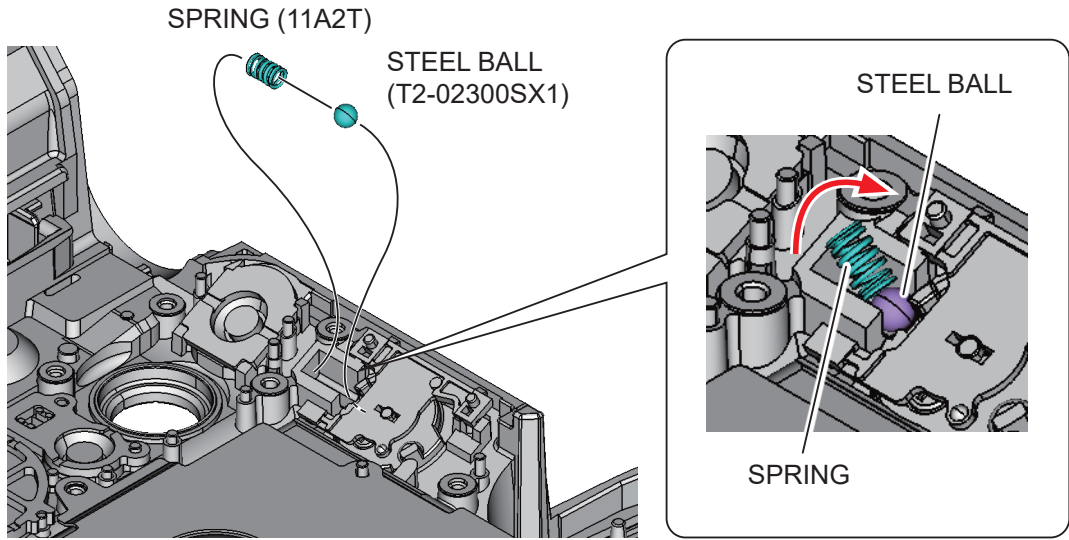


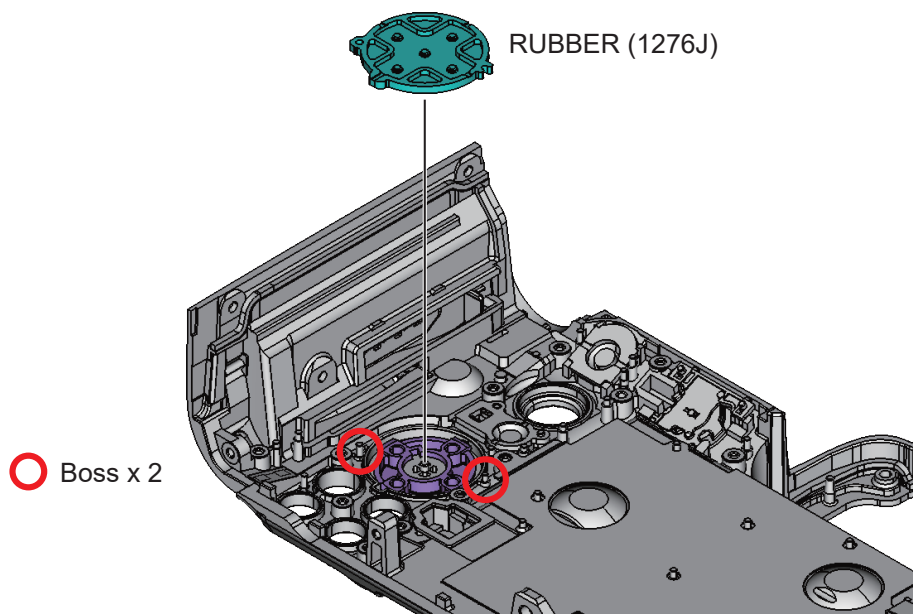
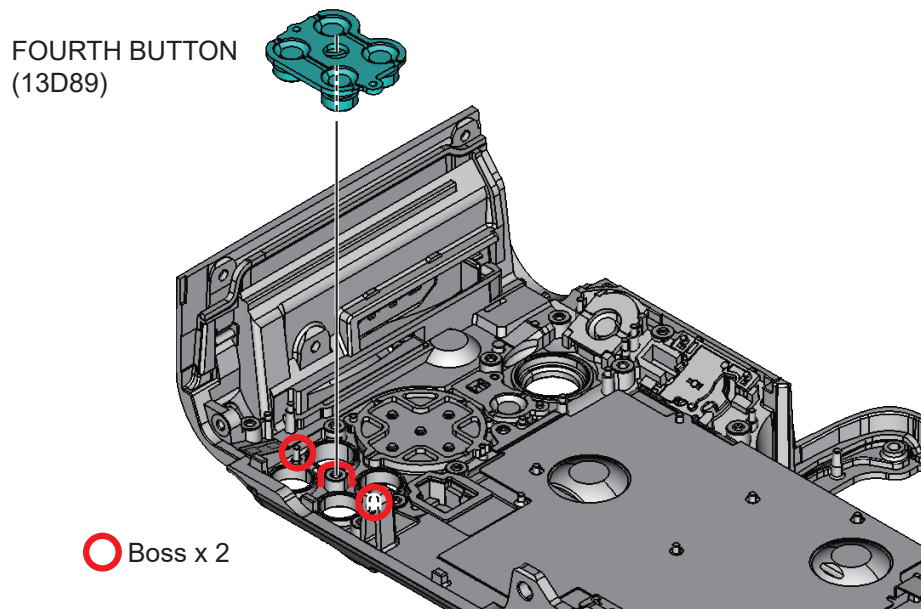
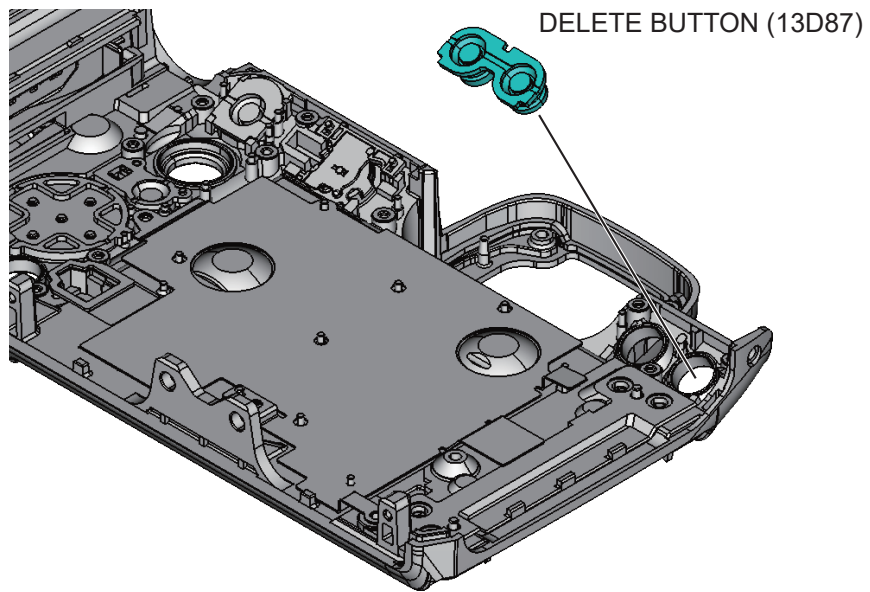
REAR FPC UNIT

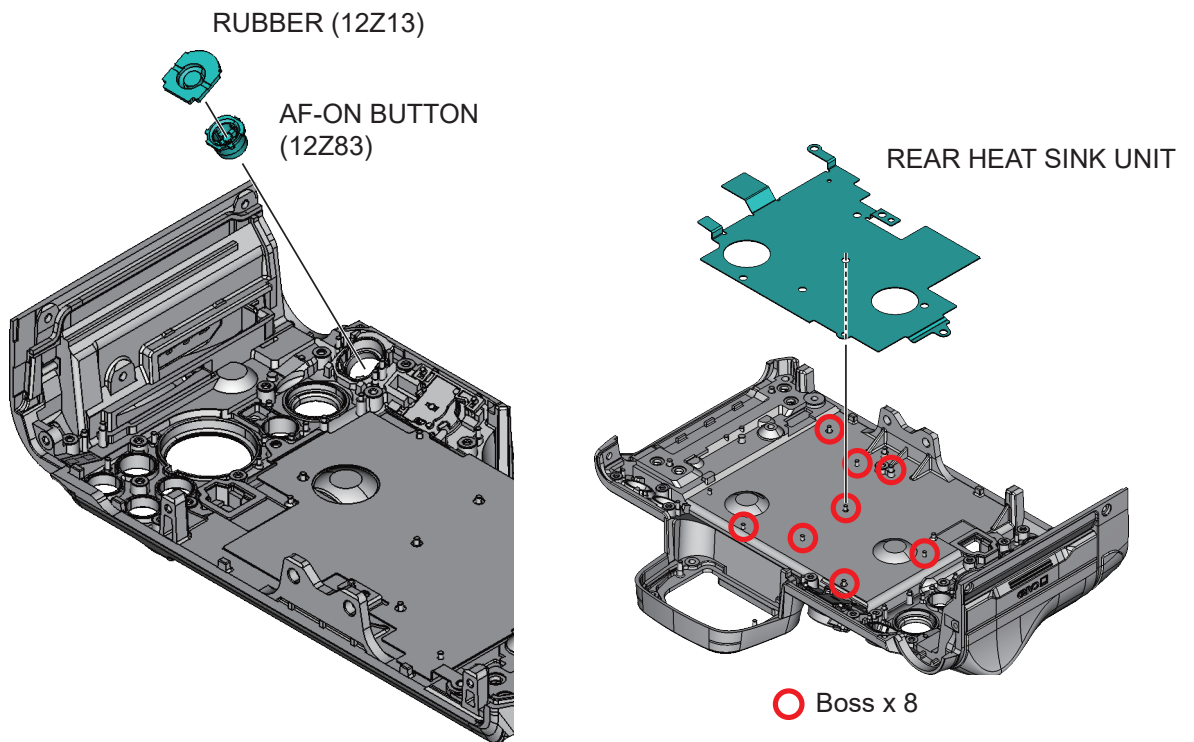
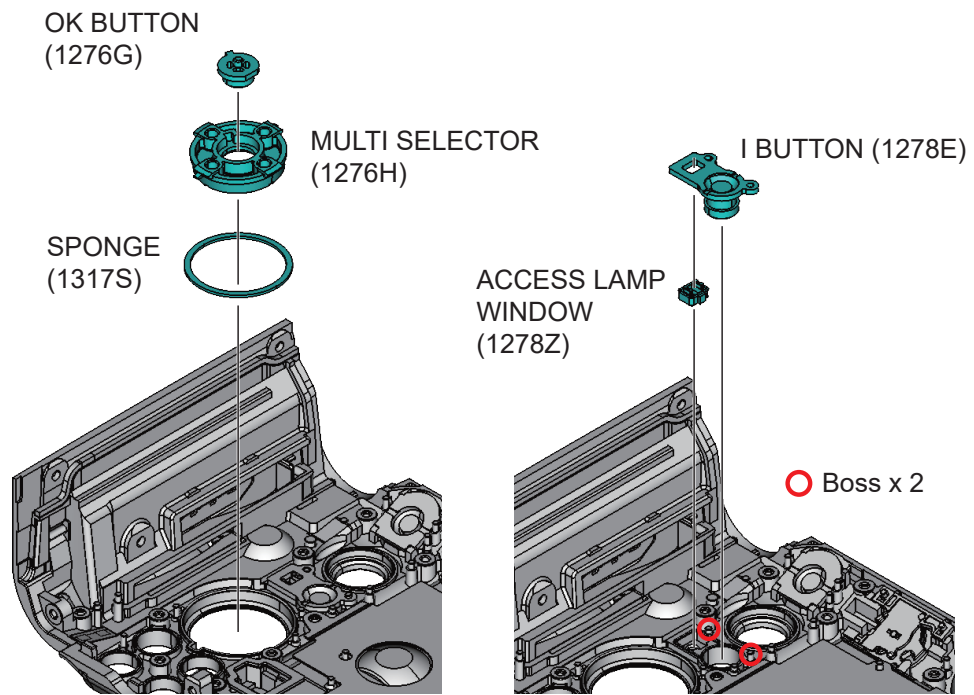


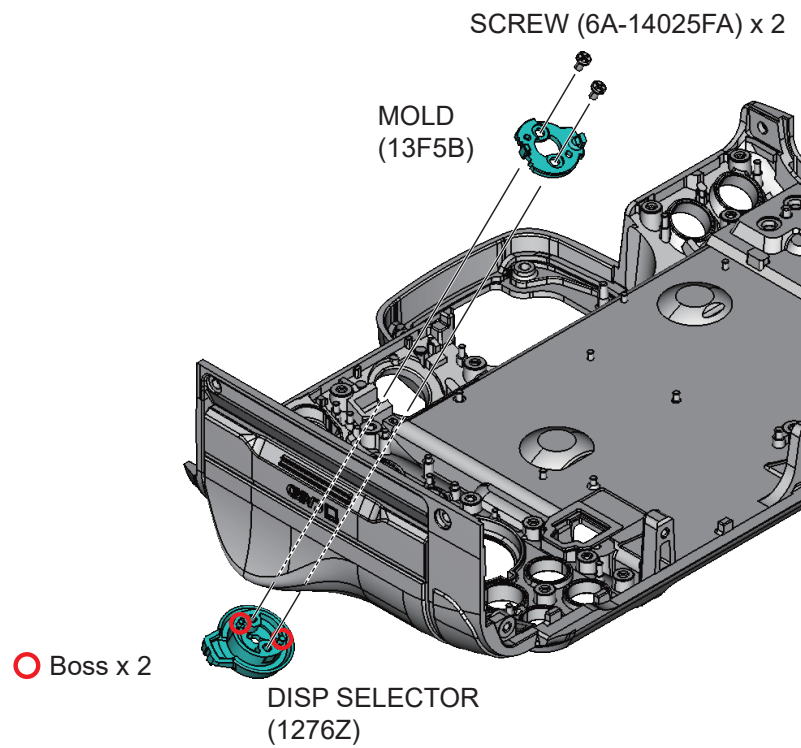
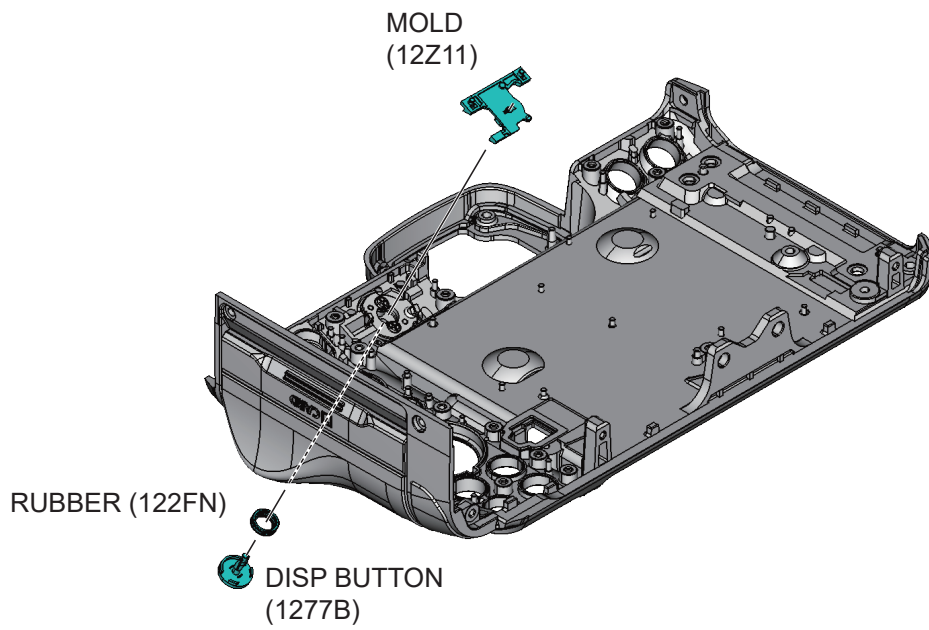


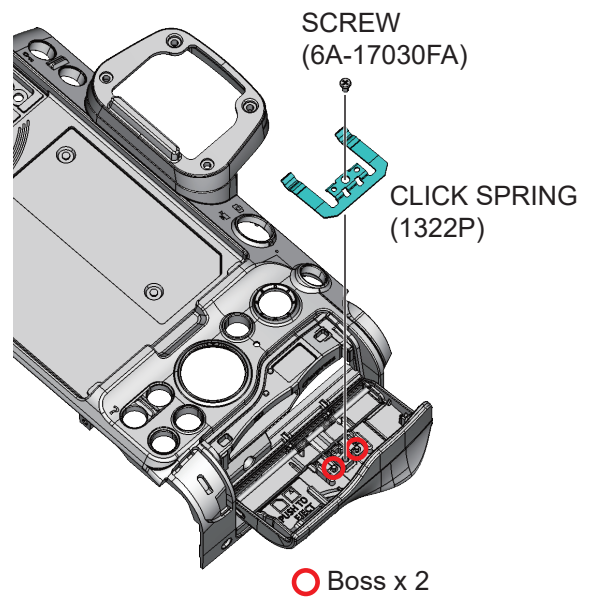
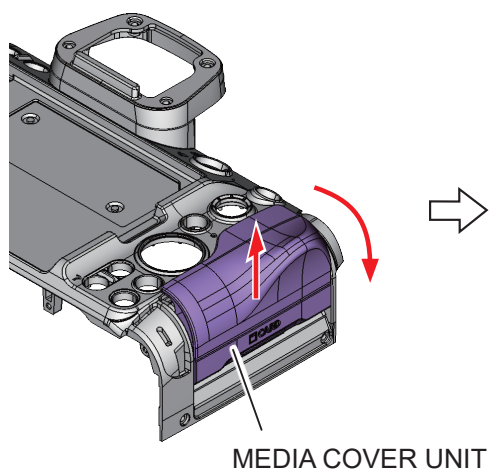
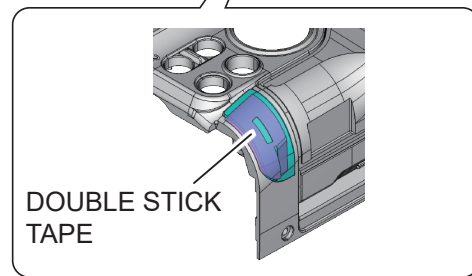
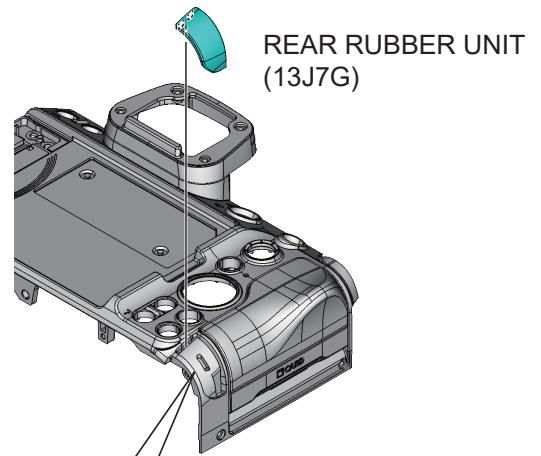
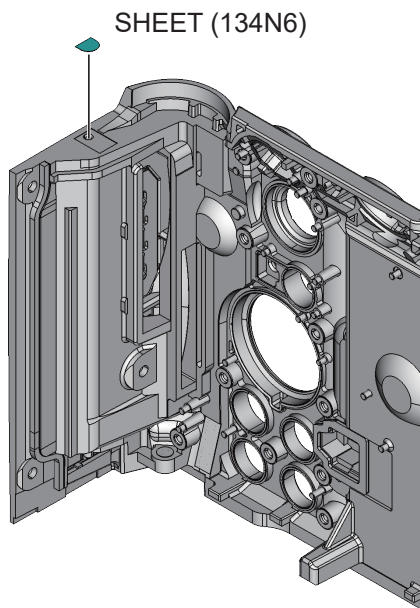


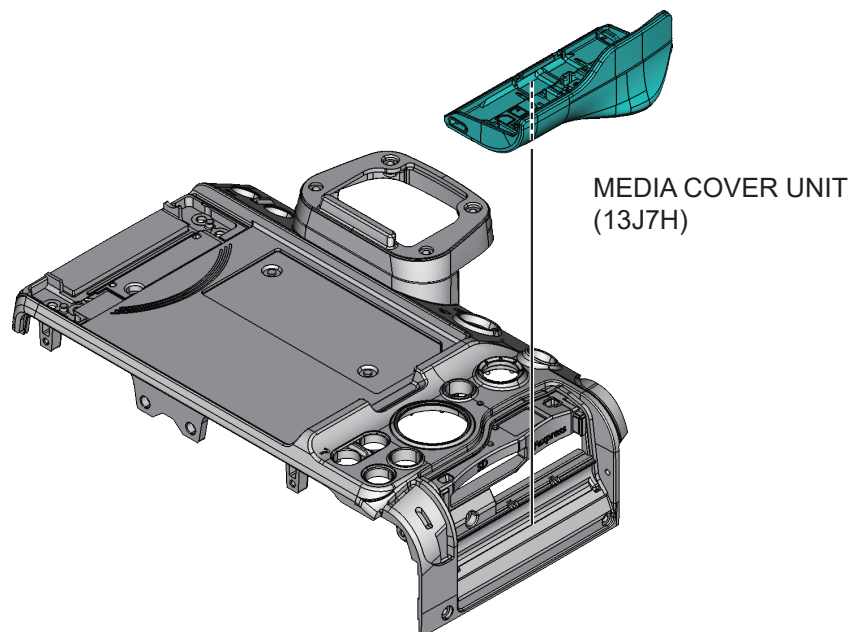
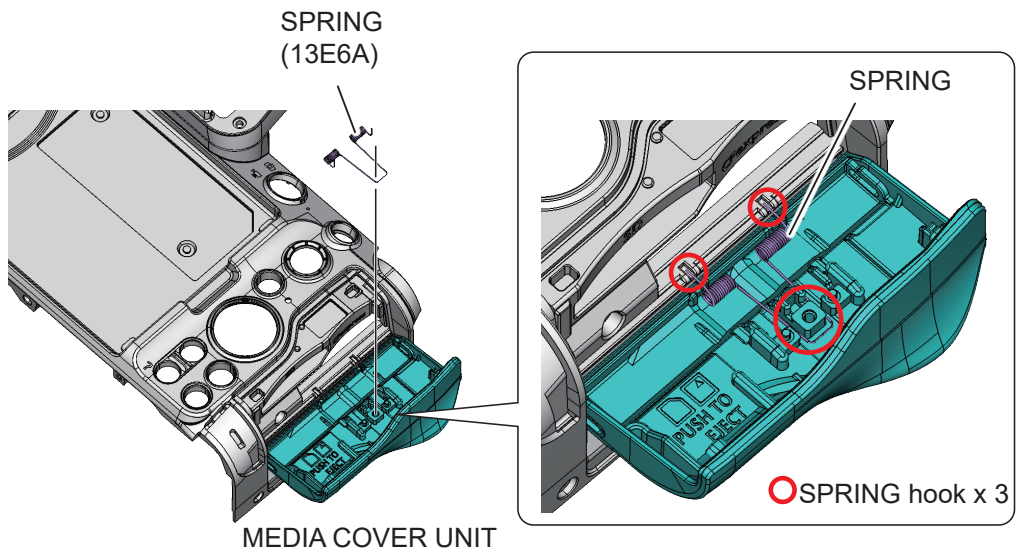
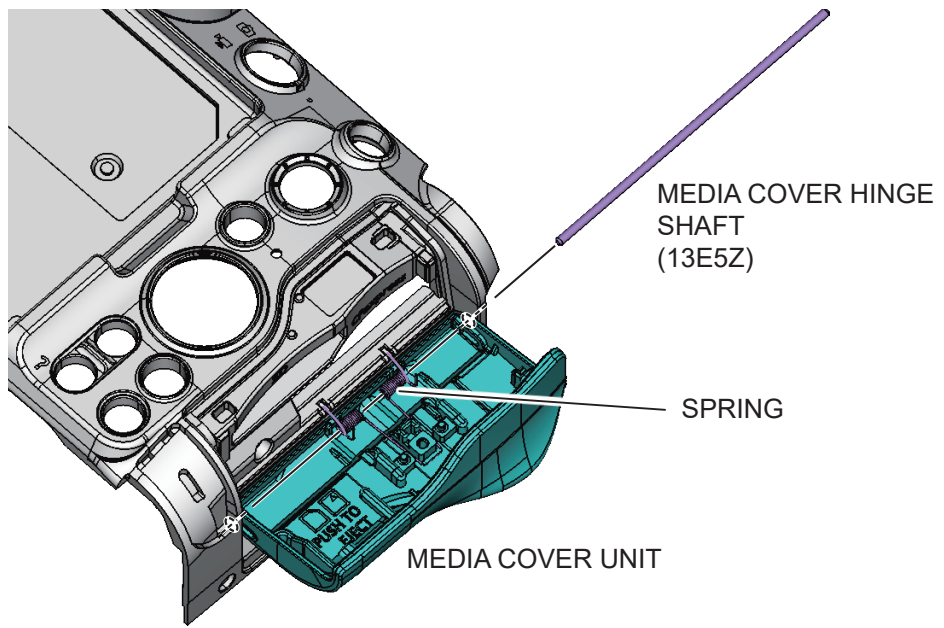


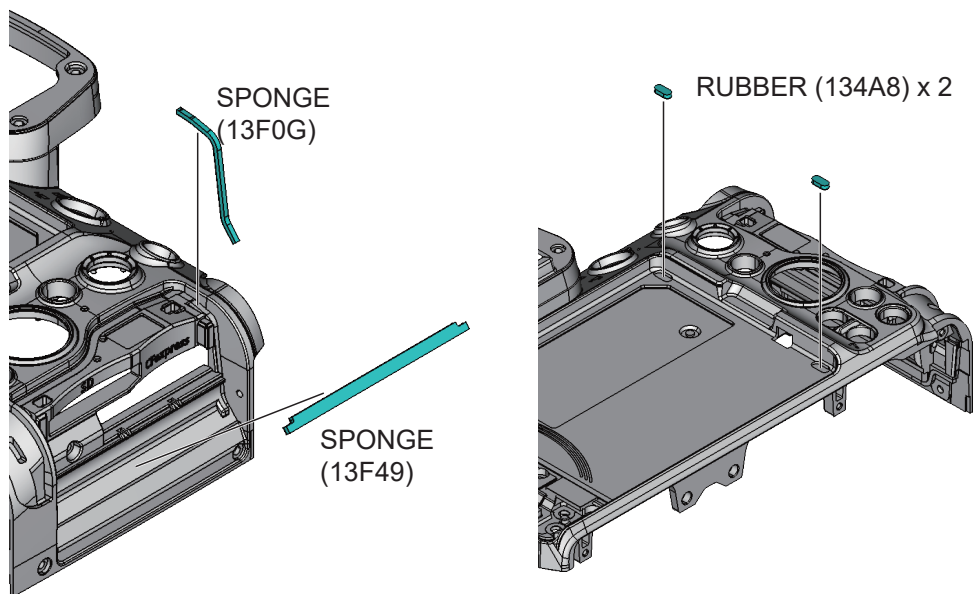
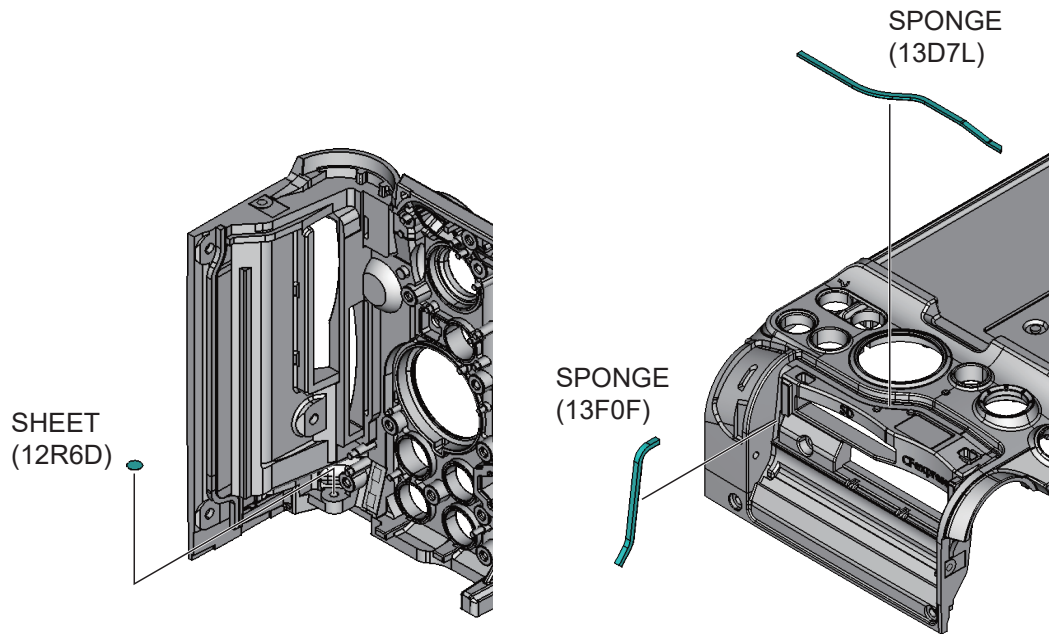




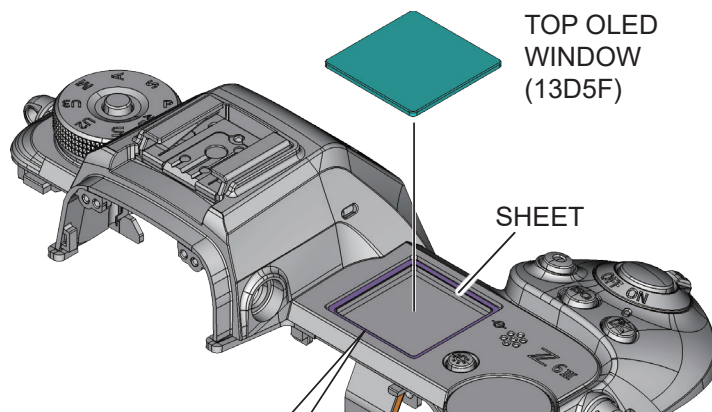




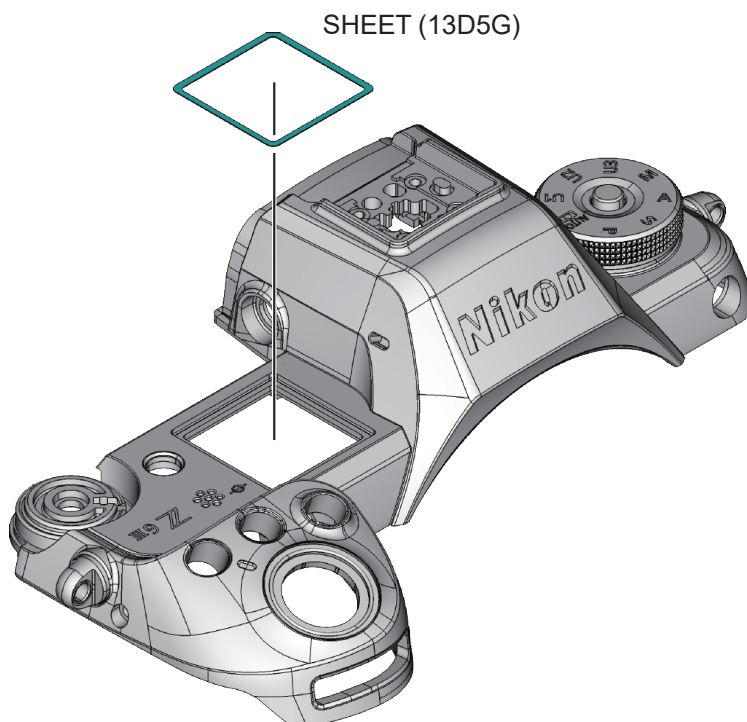
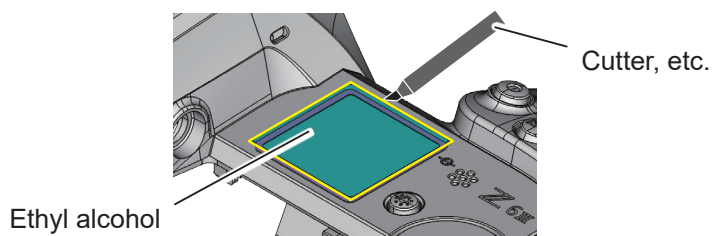




4. TOP COVER Section



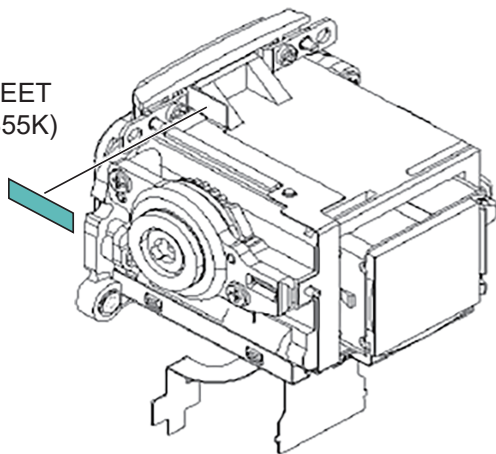
This is covered with DOUBLE STICK TAPE.
Apply ethyl alcohol and use a cutter or other fine-tipped tool to remove it.
Be careful not to scratch it with the cutter.



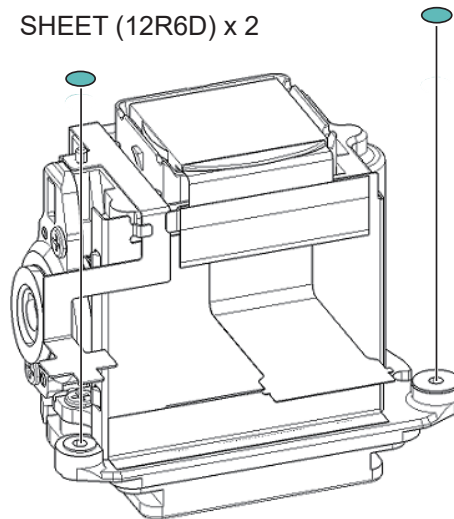
5. EVF

EYEPIECE BARREL UNIT

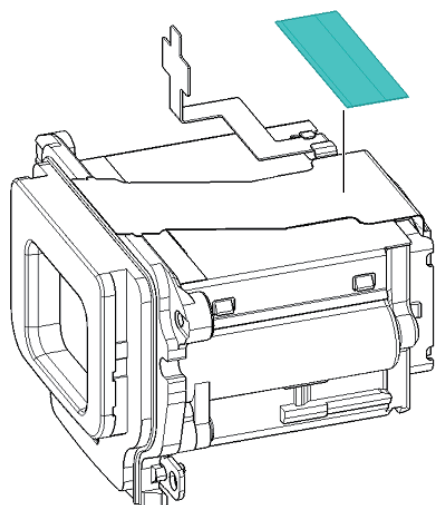
SHEET (1355K)



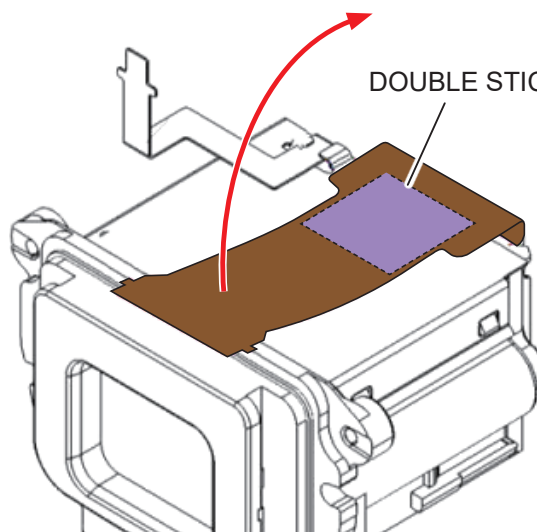
SHEET (12R6D) x 2



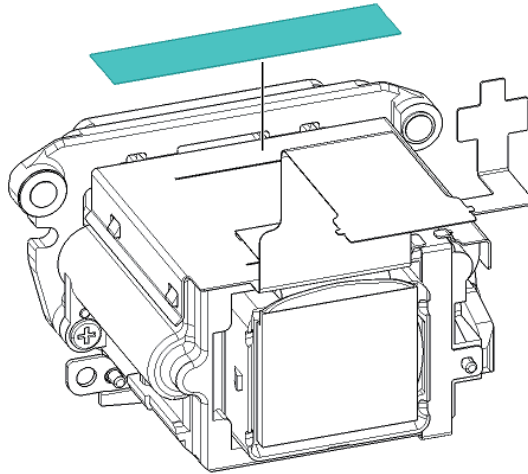
TAPE (12H6M)



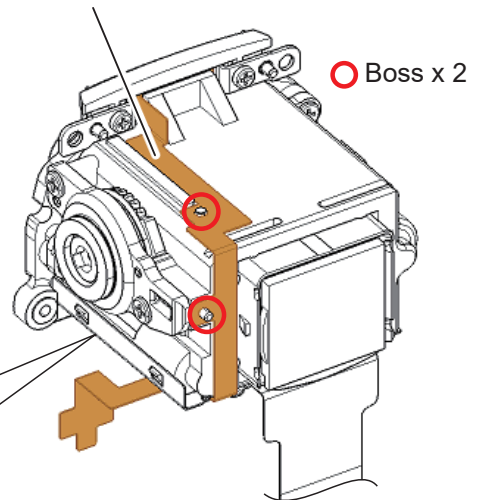
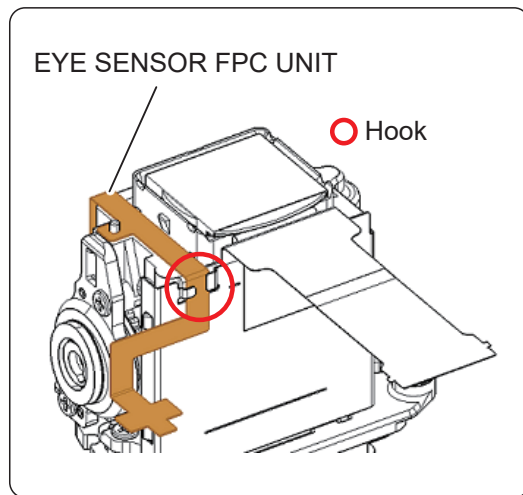
DOUBLE STICK TAPE



EVF DUSTPROOF SHEET
(12G6G)

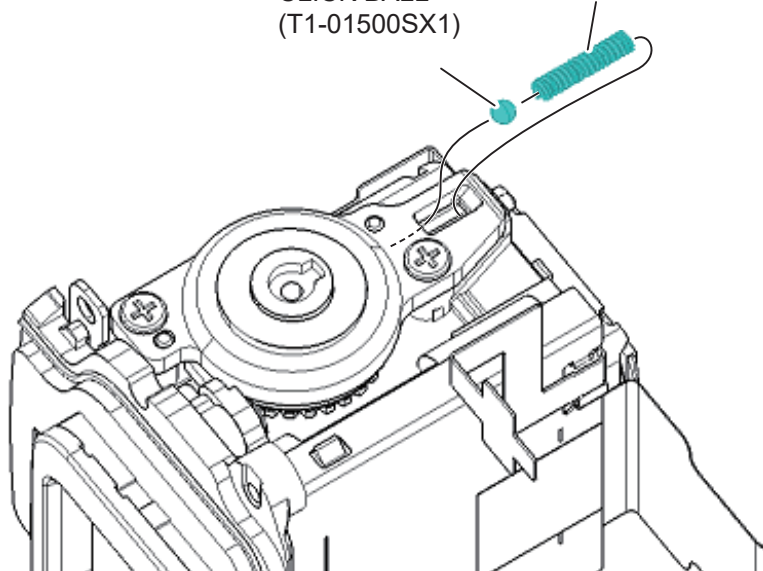


EYE SENSOR FPC UNIT

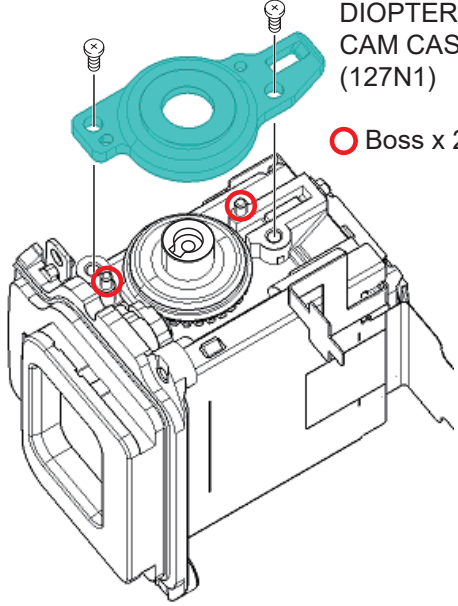


CLICK BALL
(T1-01500SX1)

SPRING (127N2)

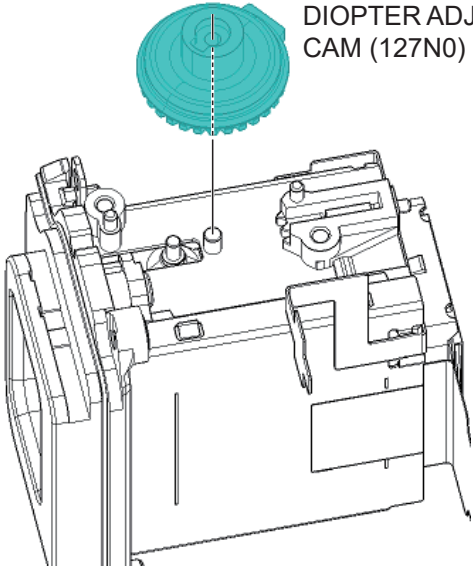


SCREW (6A-17040FD2) x 2



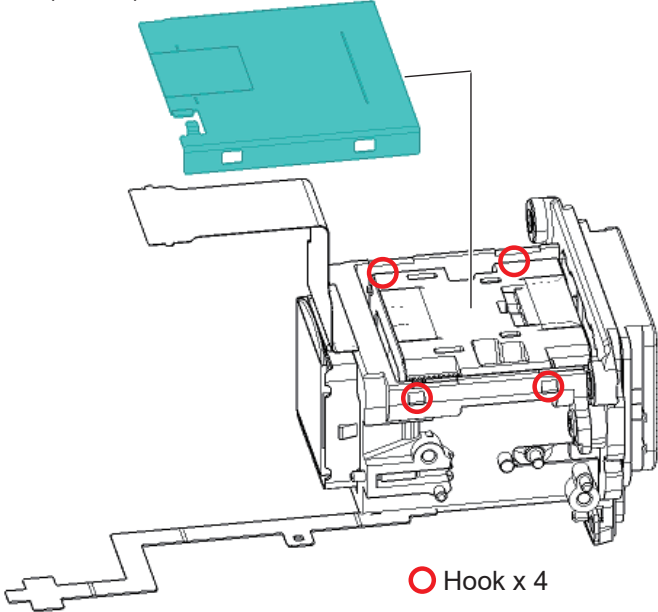
DIOPTER ADJUSTMENT
CAM CASE
(127N1)

○ Boss x 2



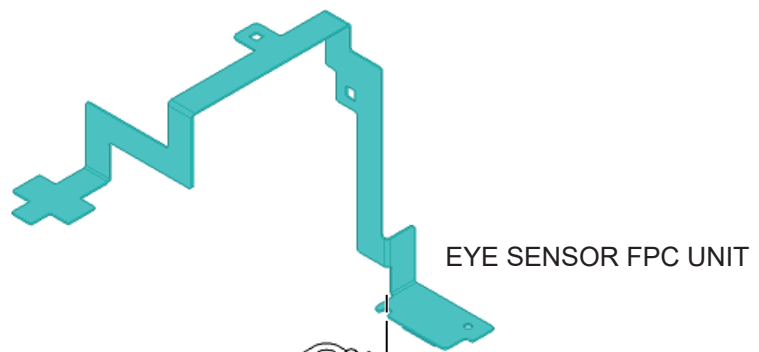
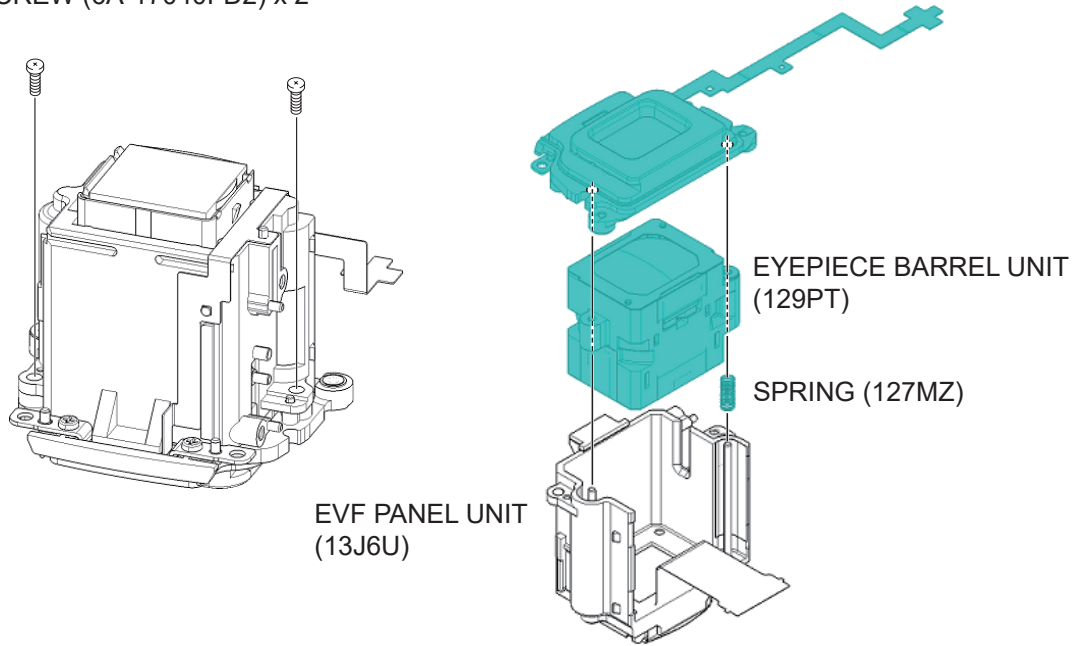
DIOPTER ADJUSTMENT
CAM (127N0)

EVF BOTTOM COVER
(12P05)



○ Hook x 4

SCREW (6A-17040FD2) x 2



EYEPiece BLOCK UNIT (129PR)

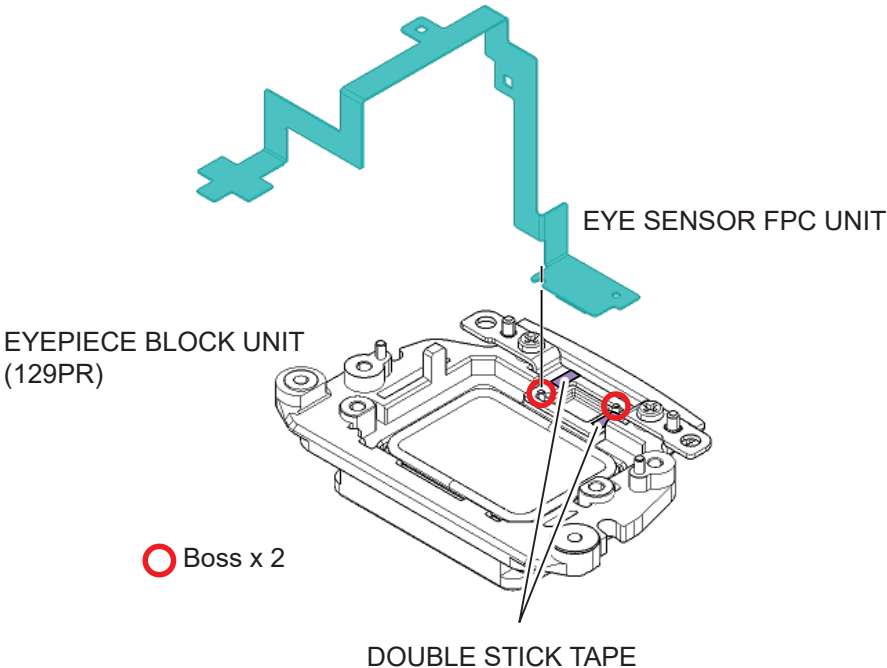
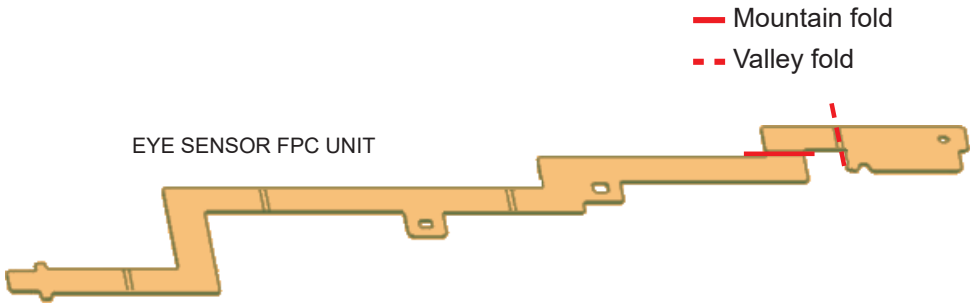
○ Boss x 2

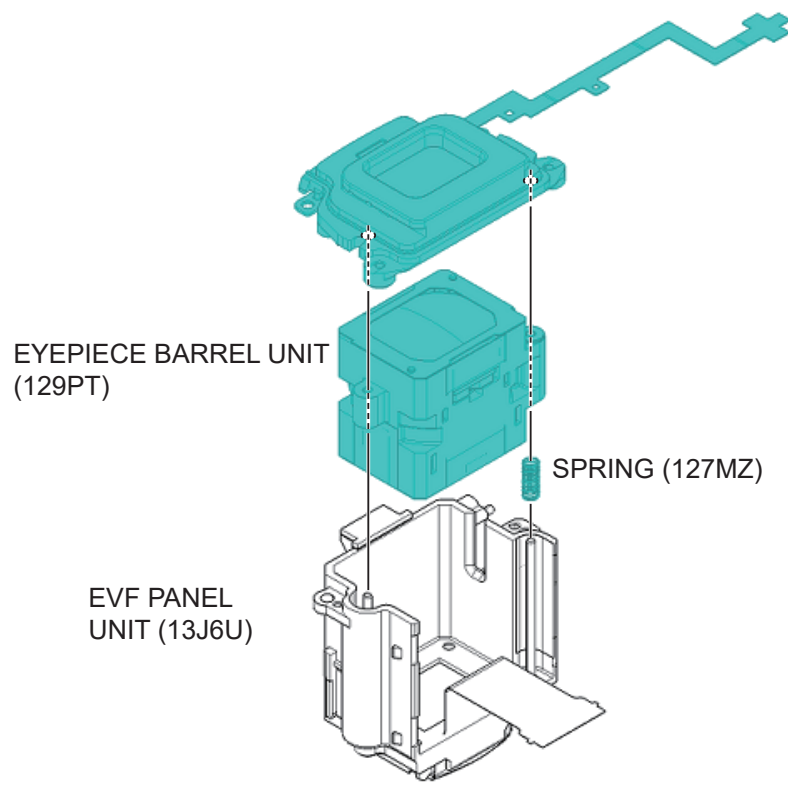
DOUBLE STICK TAPE

Assembly

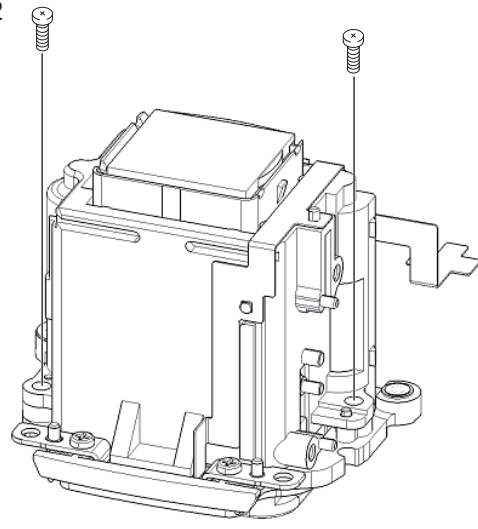
1. EVF

EYEPIECE BARREL UNIT

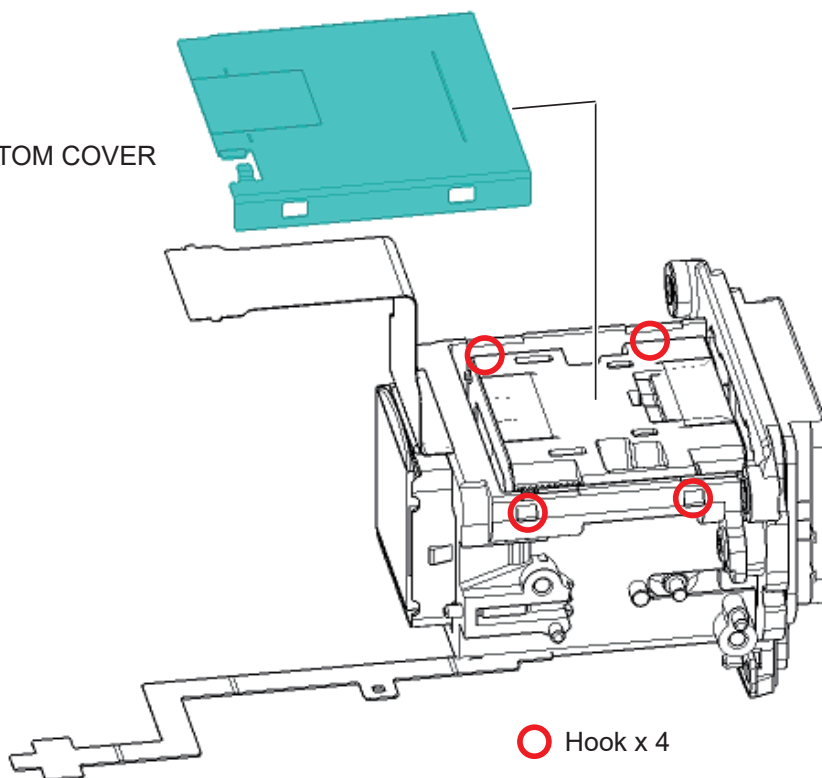




SCREW (6A-17040FD2) x 2
0.15 N•m

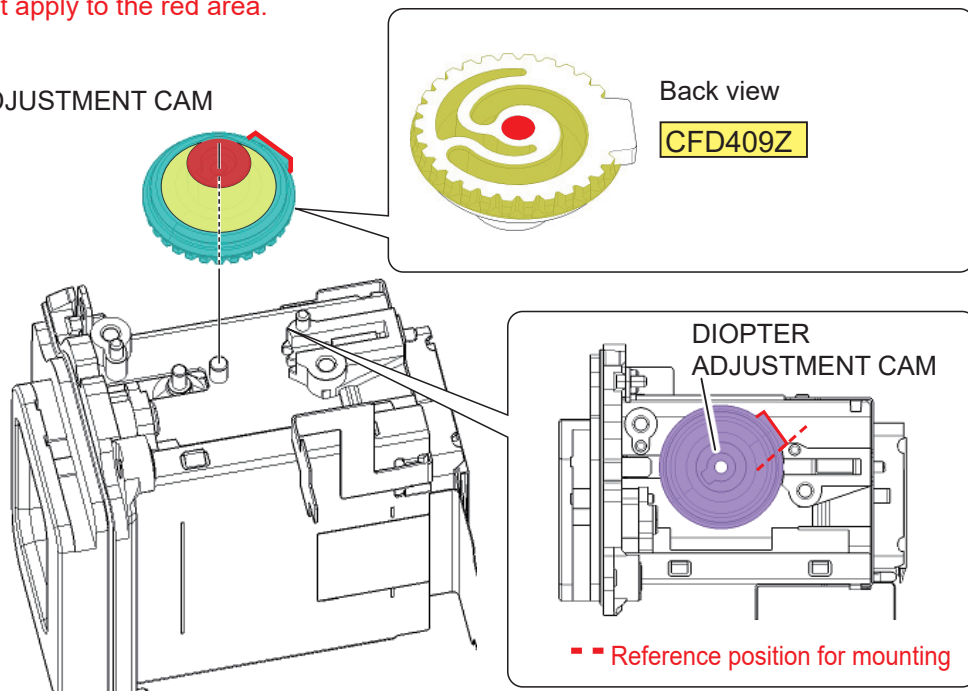


EVF BOTTOM COVER
(12P05)

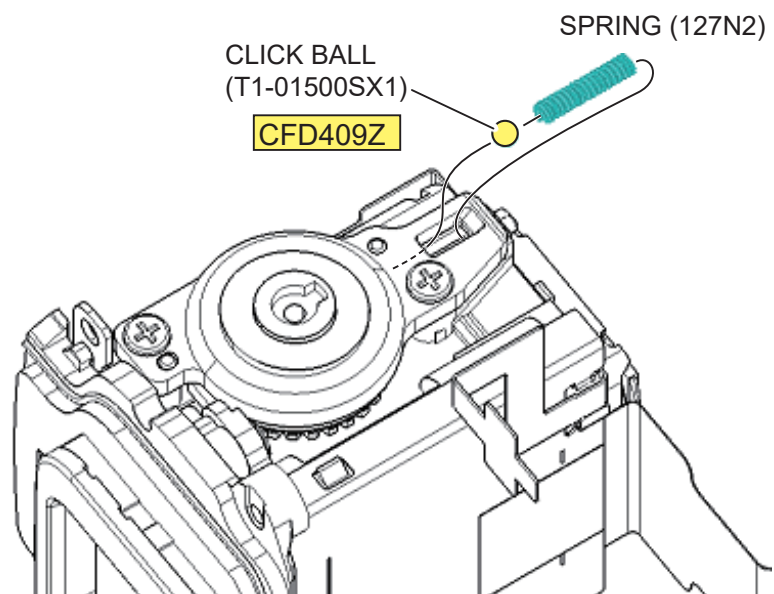
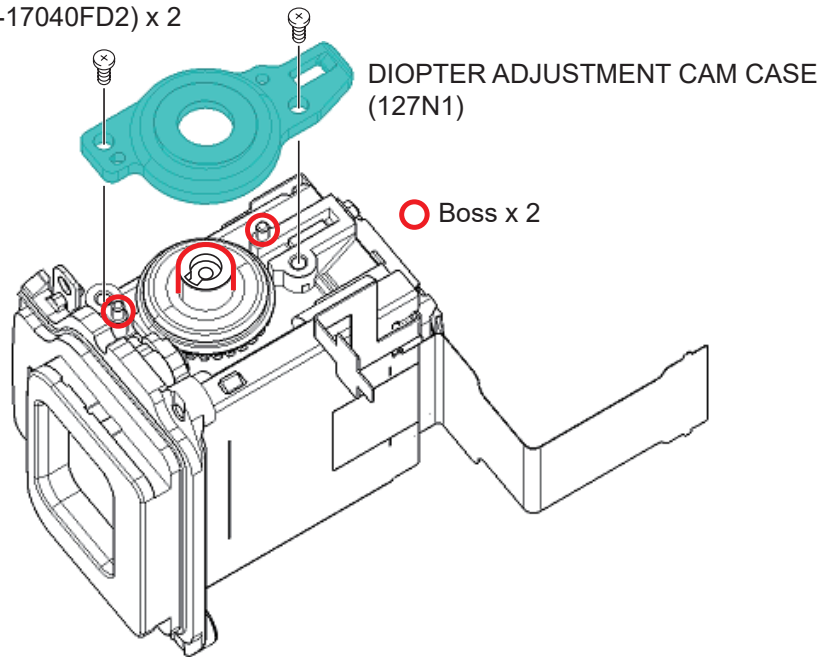


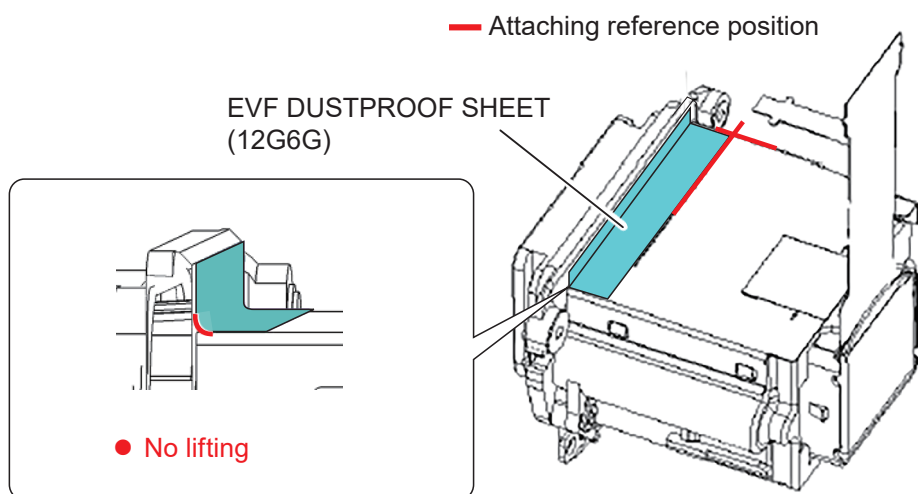
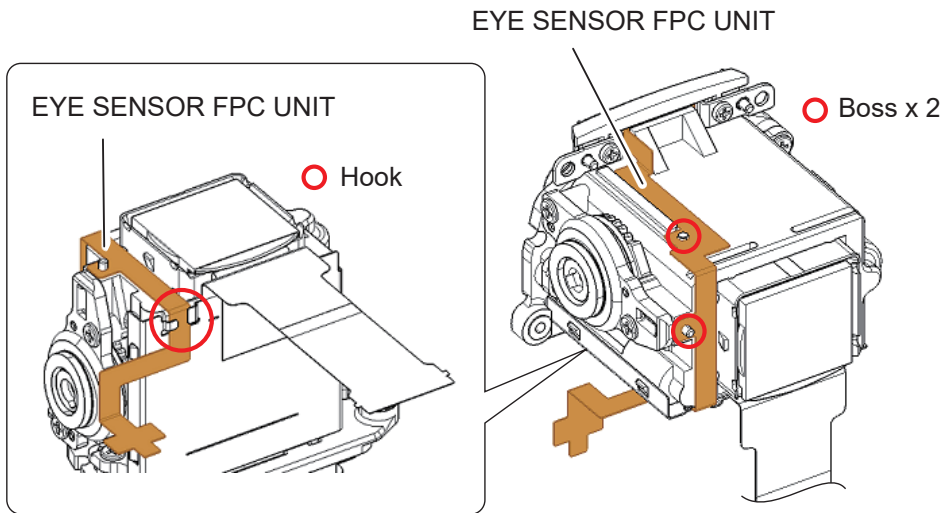
● Do not apply to the red area.

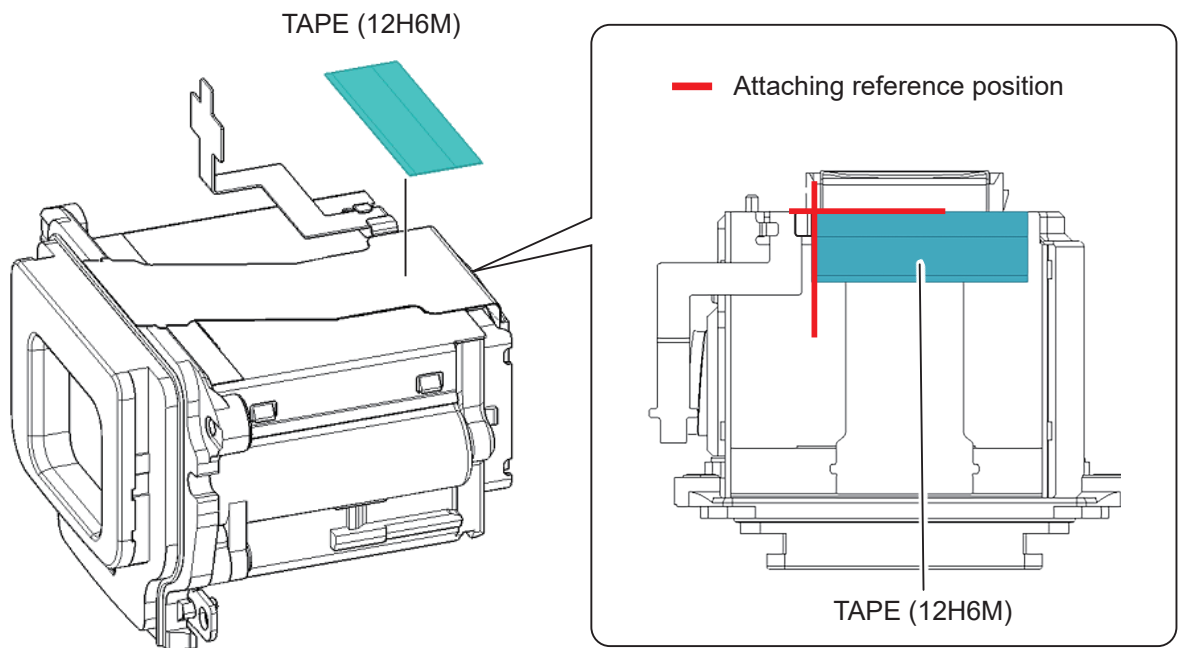
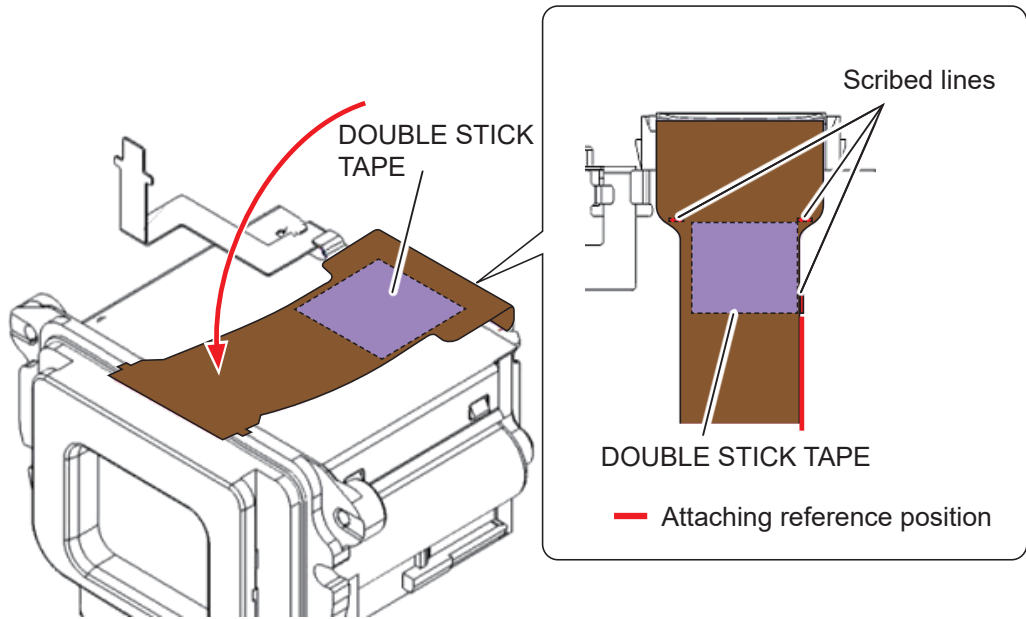
DIOPTER ADJUSTMENT CAM
(127N0)



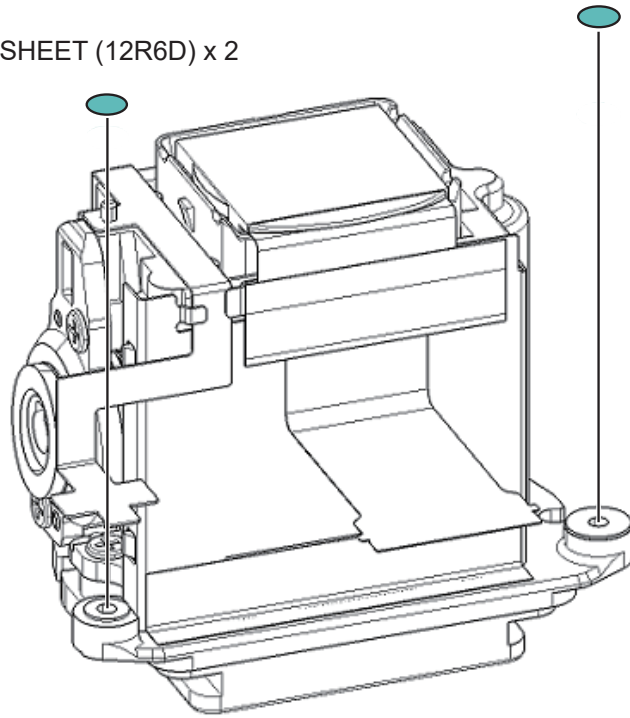
SCREW (6A-17040FD2) x 2
0.15 N•m



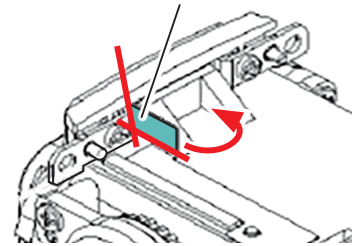




SHEET (12R6D) x 2

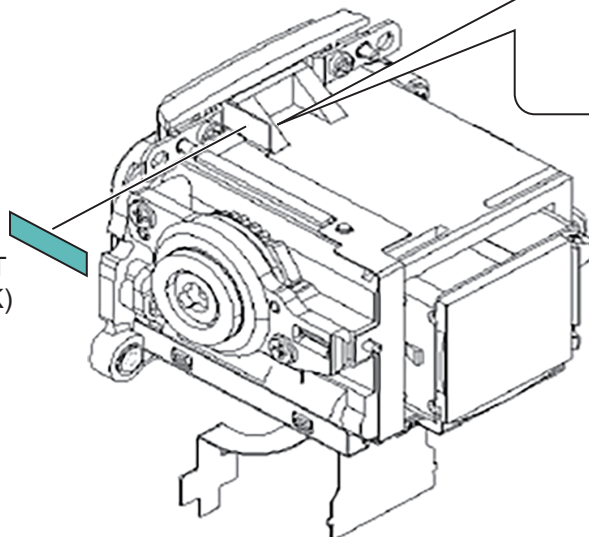


SHEET (1355K)



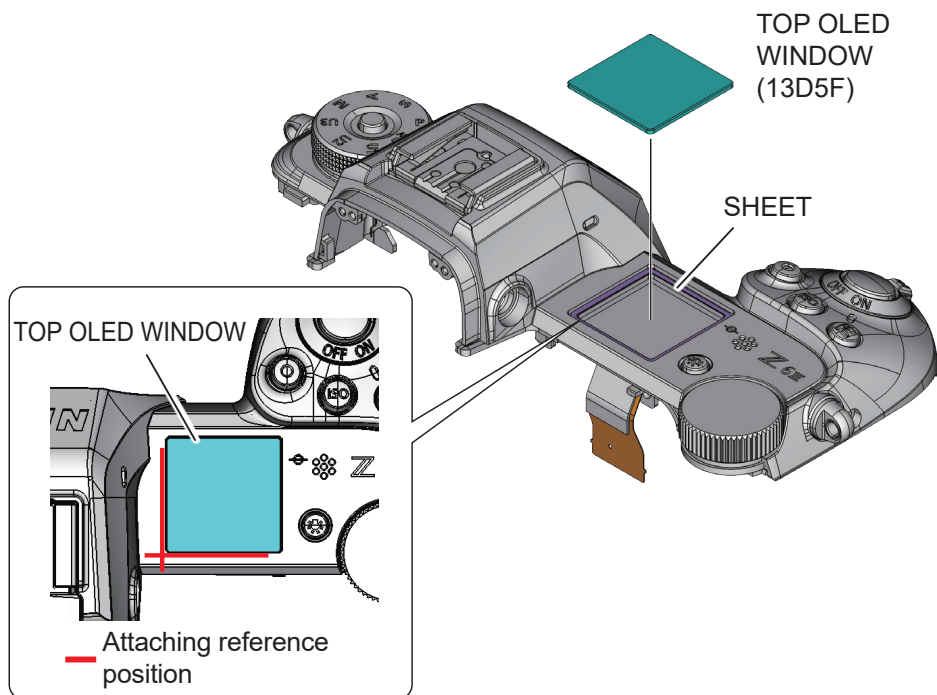
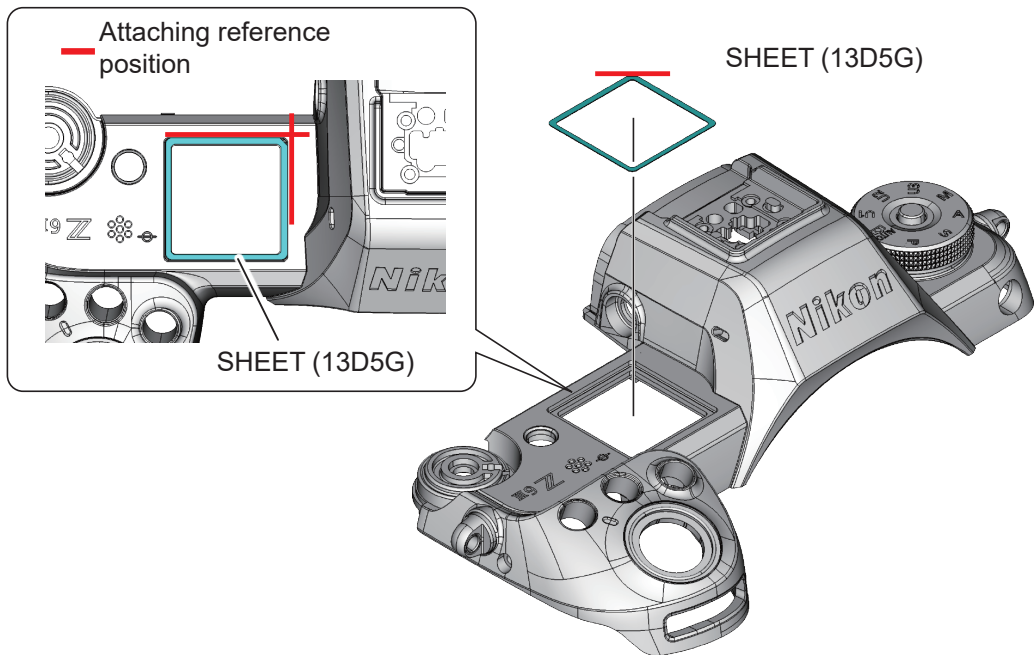
— Attaching reference position

SHEET
(1355K)



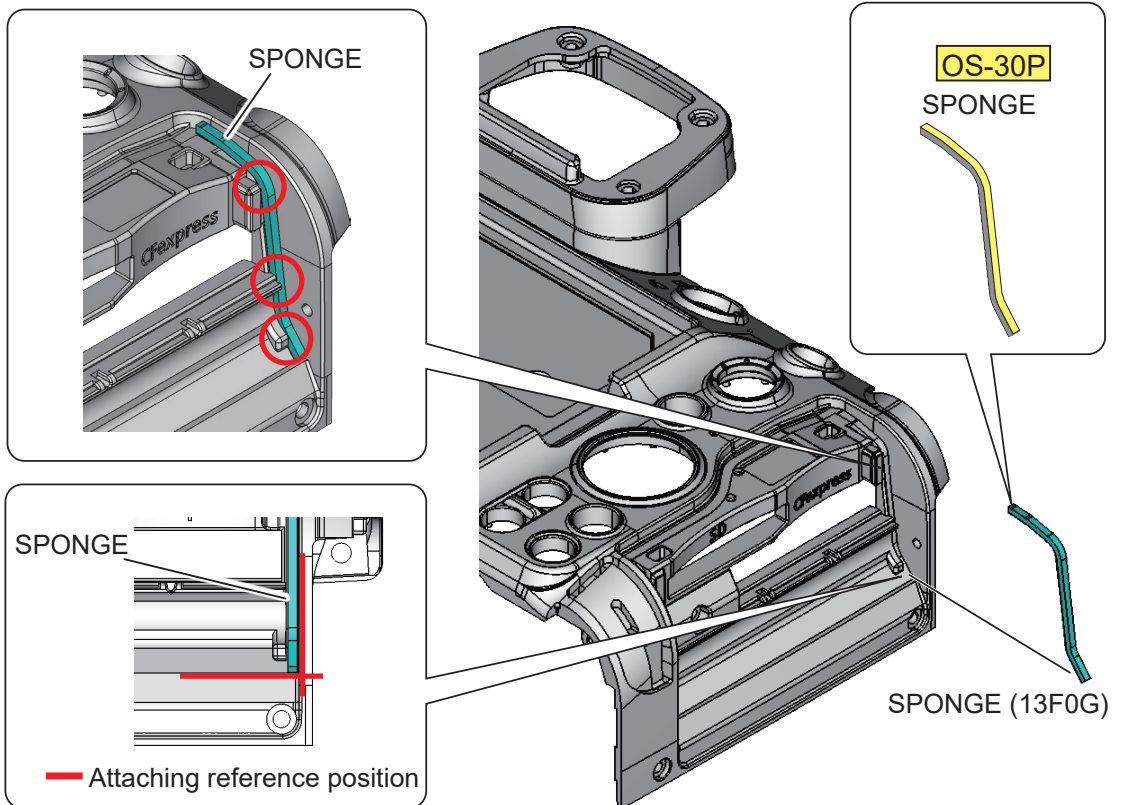
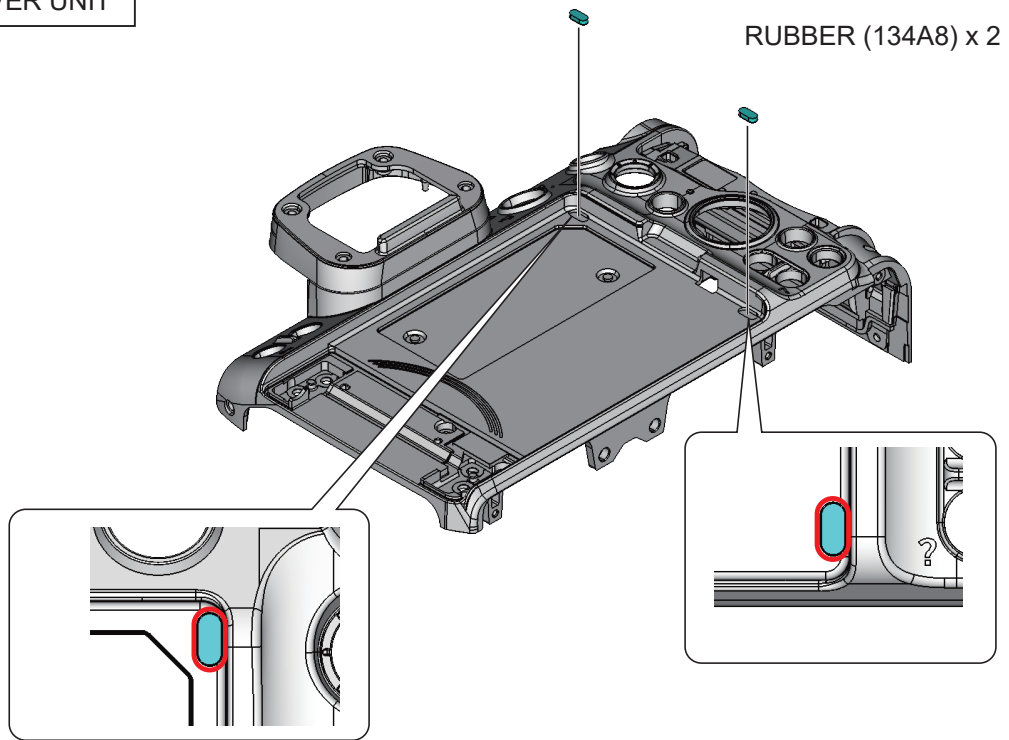
2. TOP COVER Section

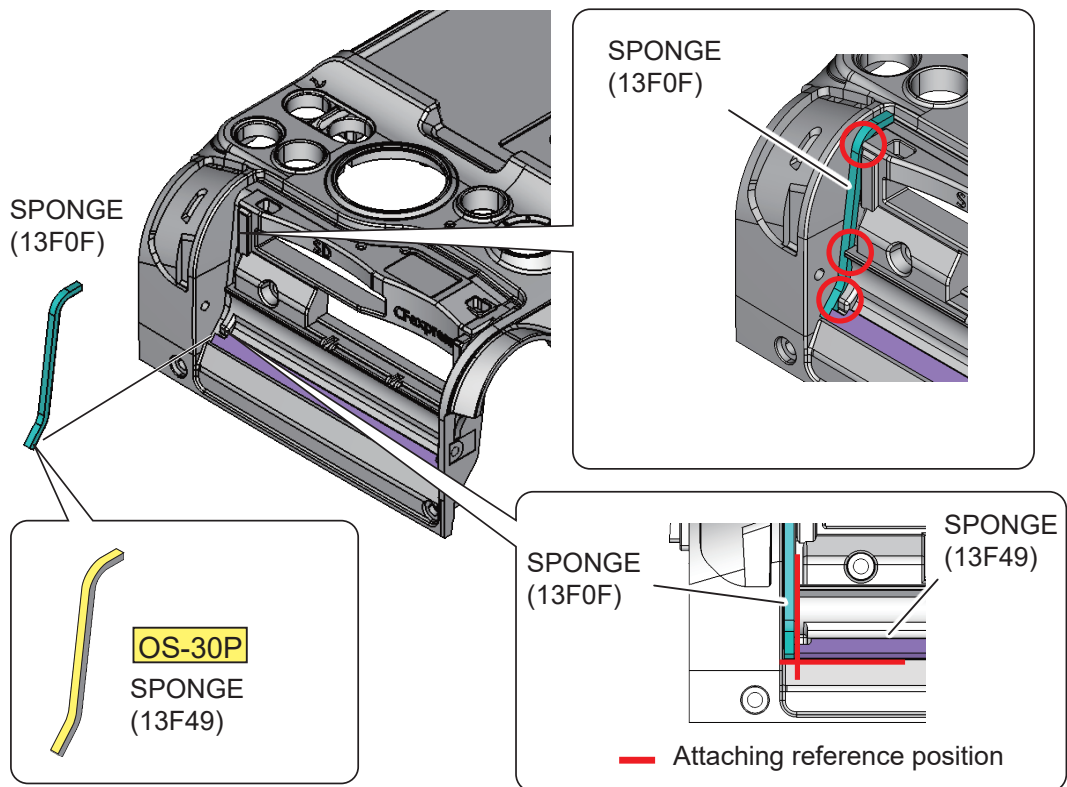
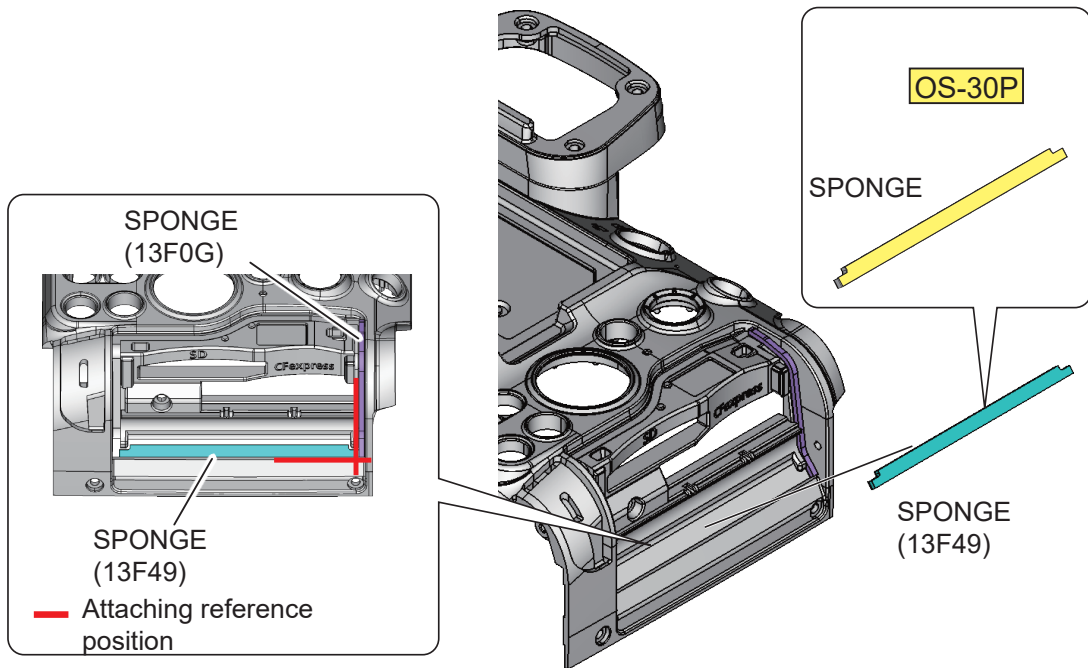
TOP COVER

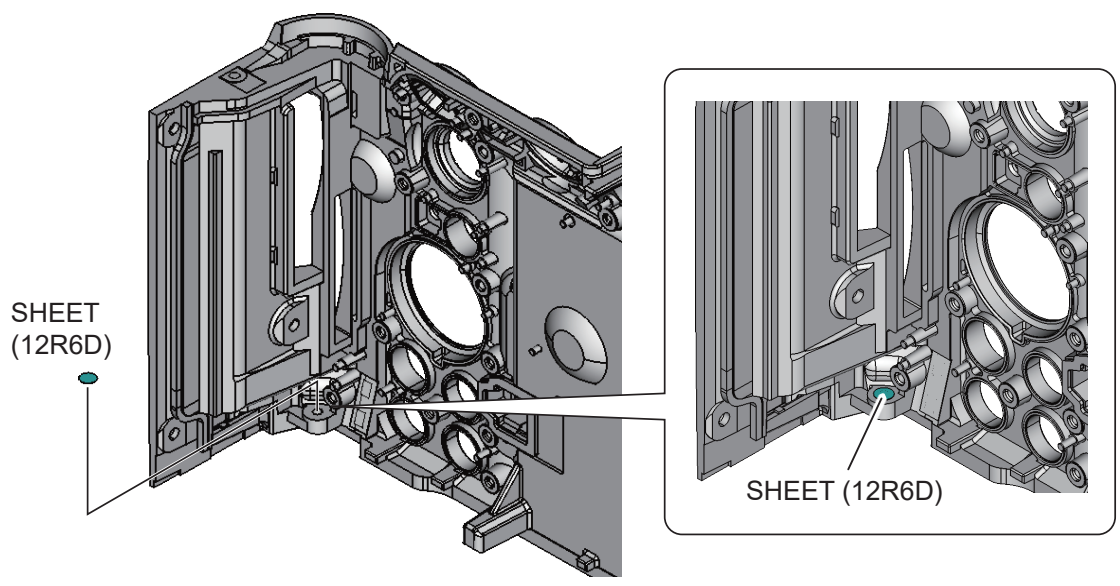
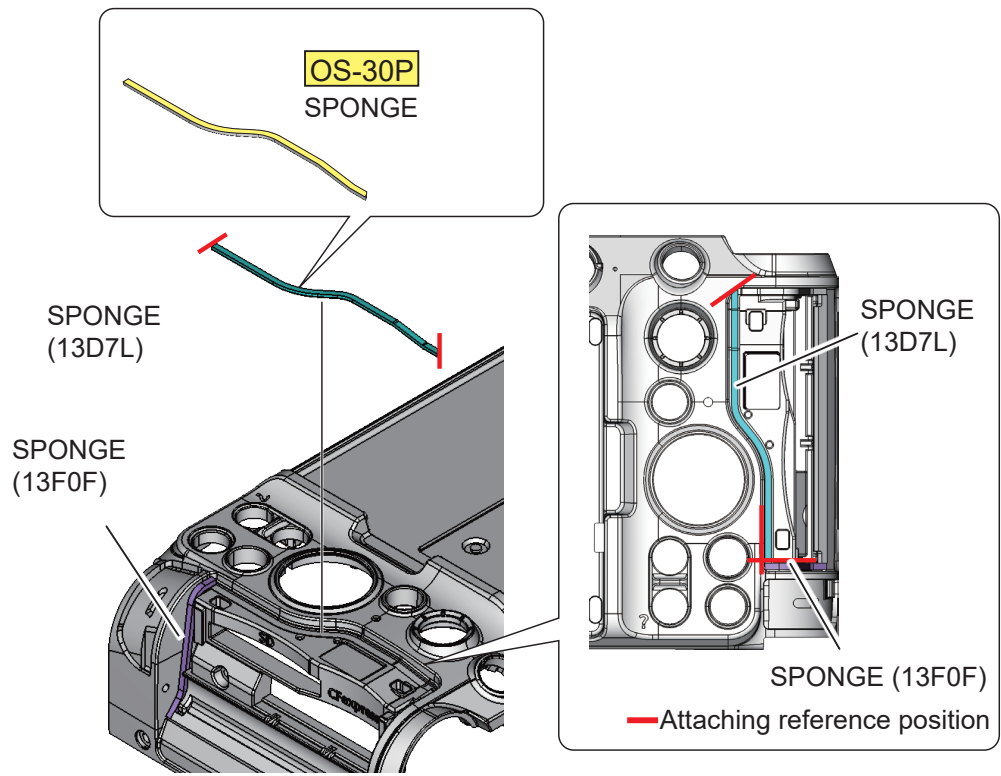


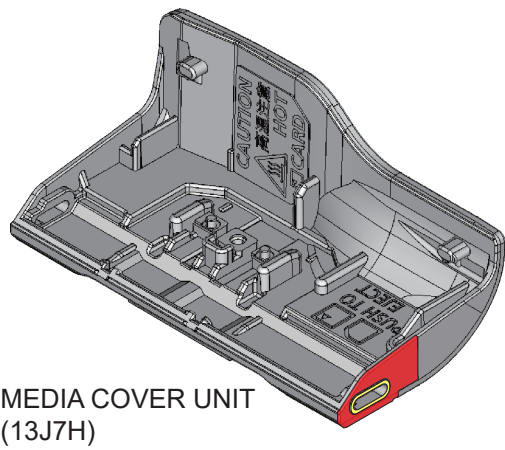
3. REAR COVER Section

REAR COVER UNIT



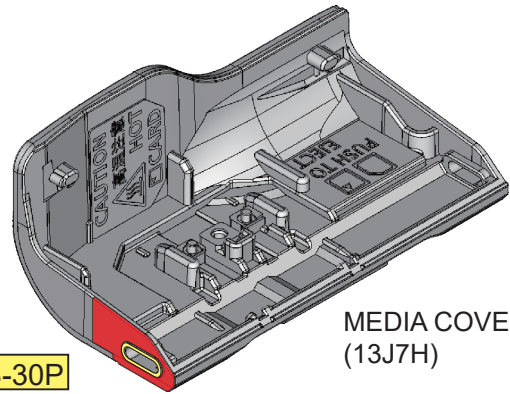






MEDIA COVER UNIT (13J7H)

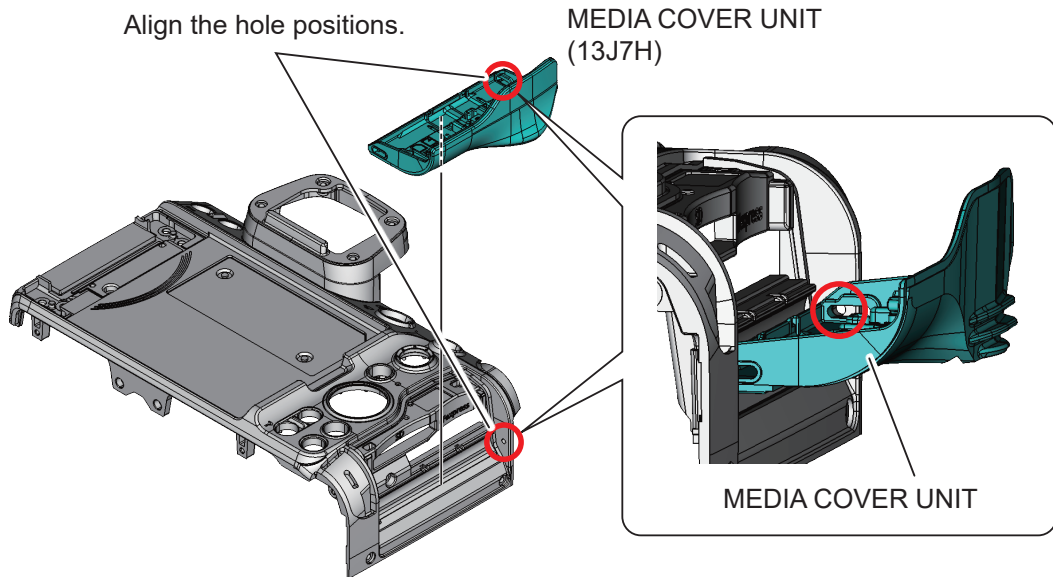
OS-30P



MEDIA COVER UNIT (13J7H)

● Do not apply to the red area.

Align the hole positions.

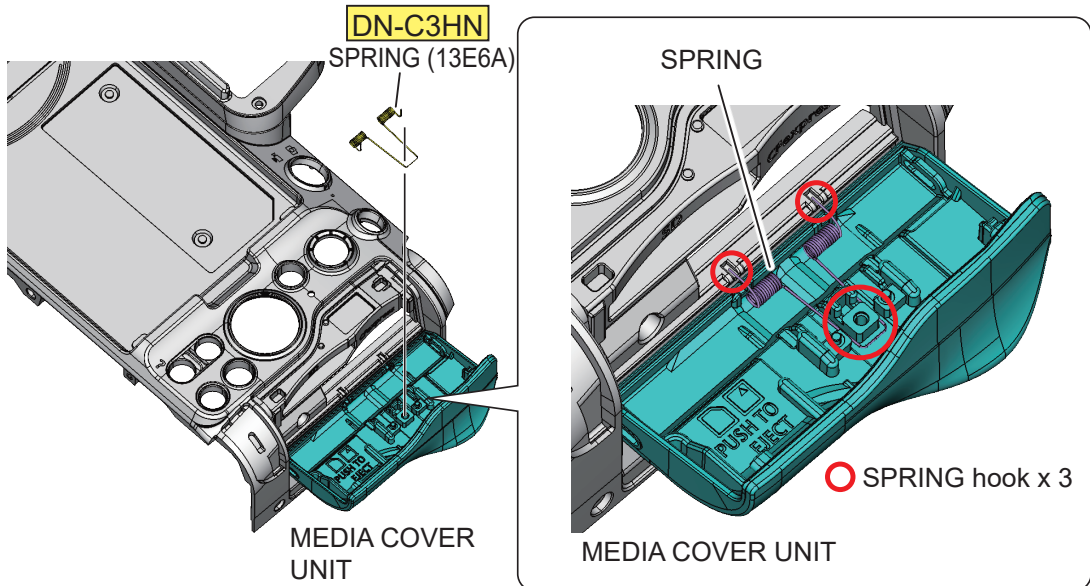


MEDIA COVER UNIT (13J7H)

MEDIA COVER UNIT

DN-C3HN

SPRING (13E6A)

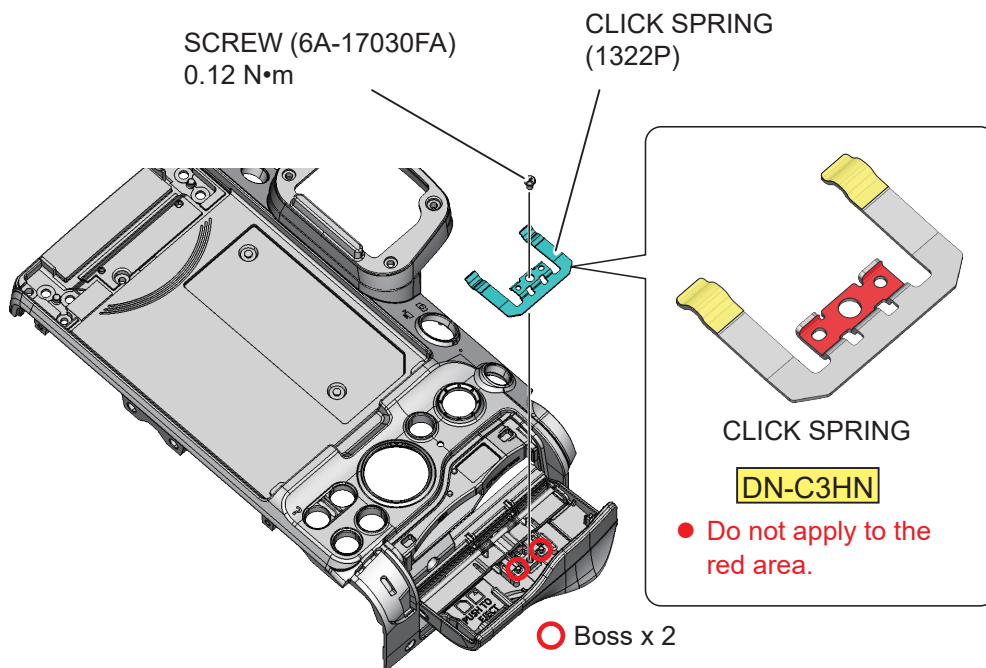
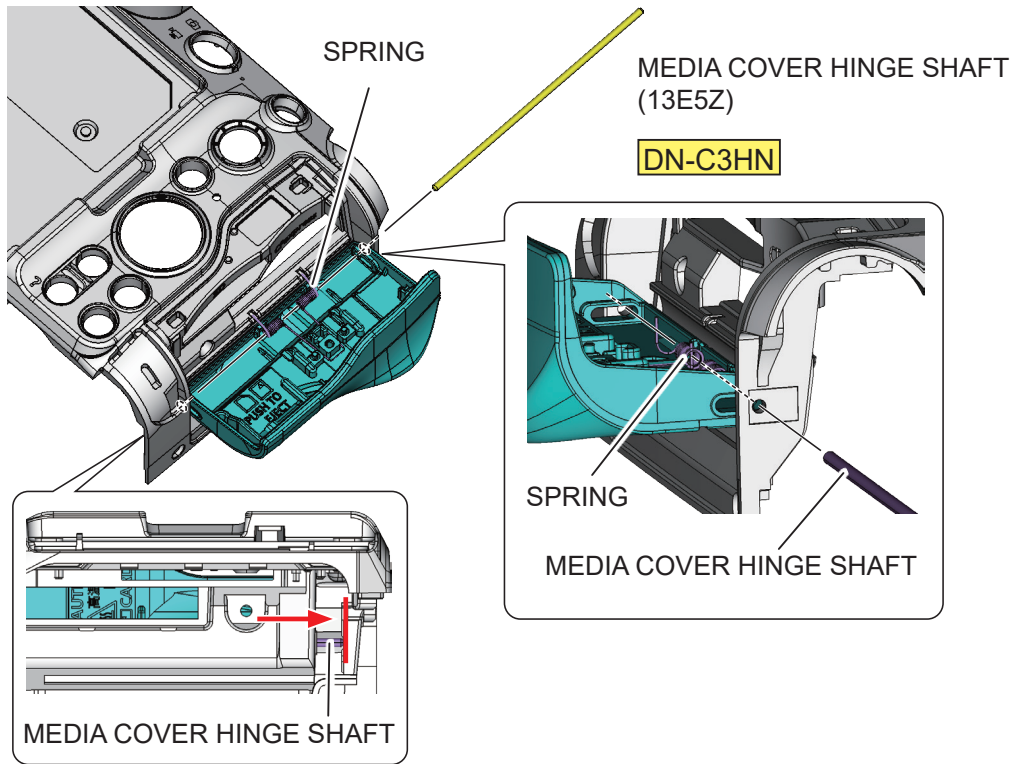


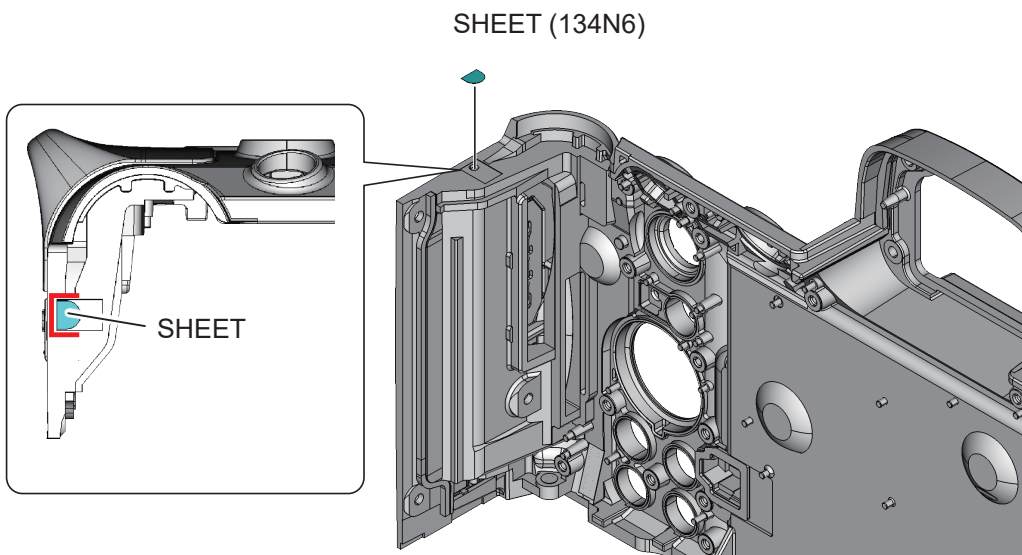
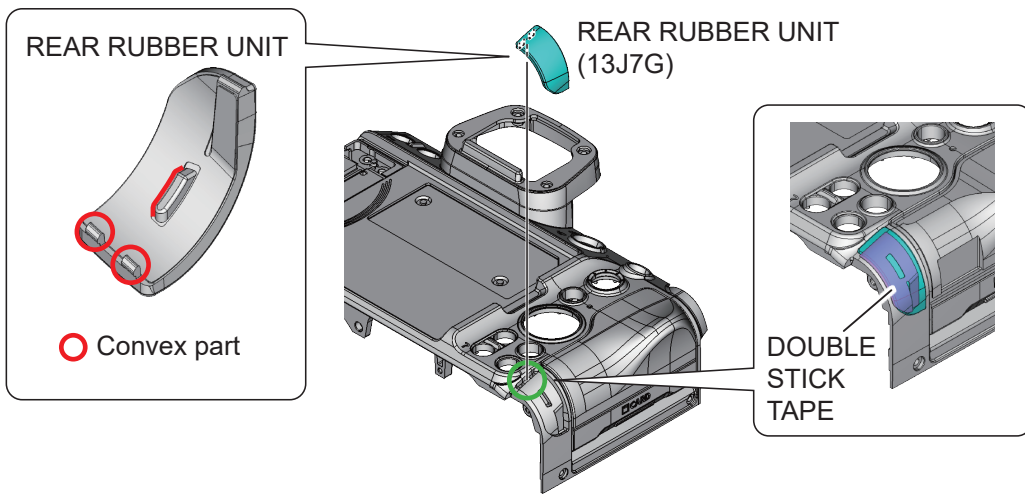
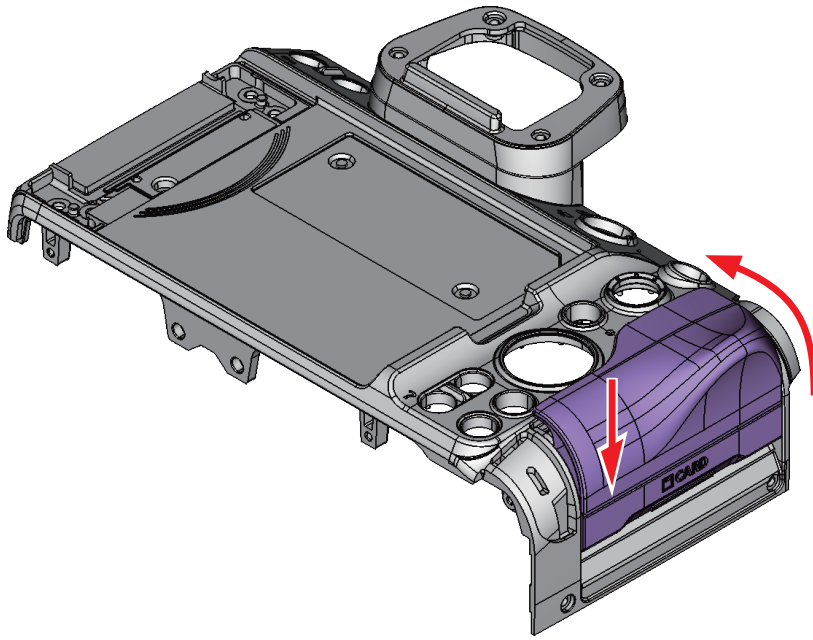
MEDIA COVER UNIT

SPRING

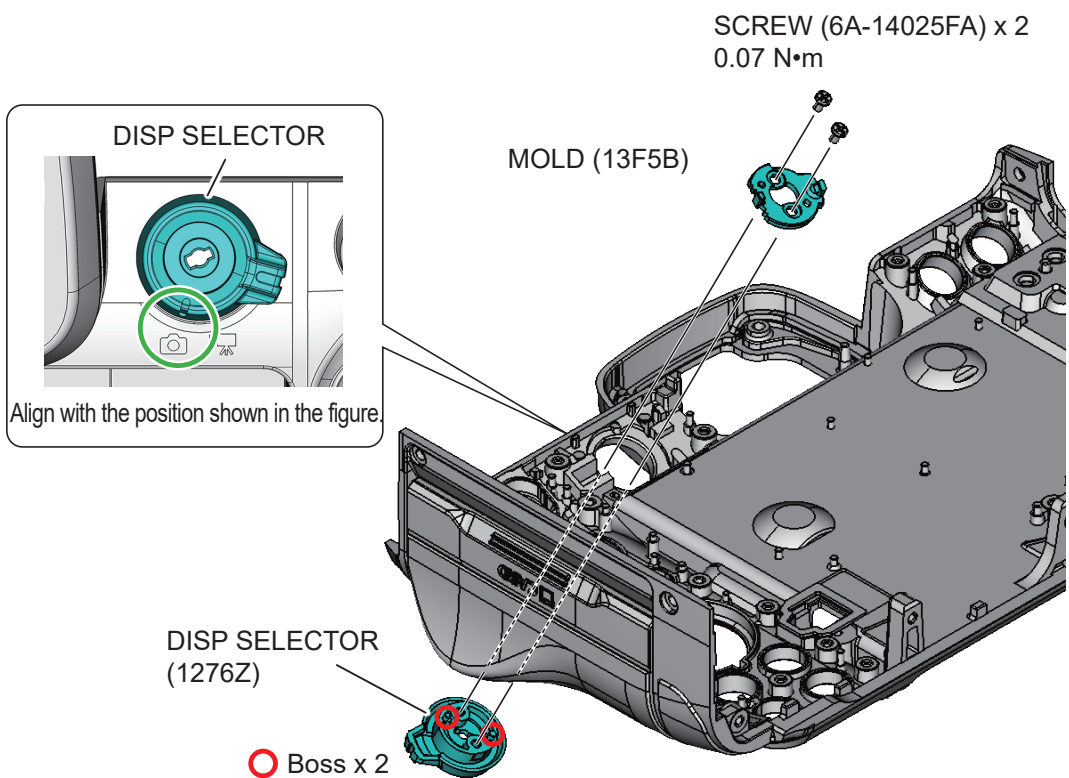
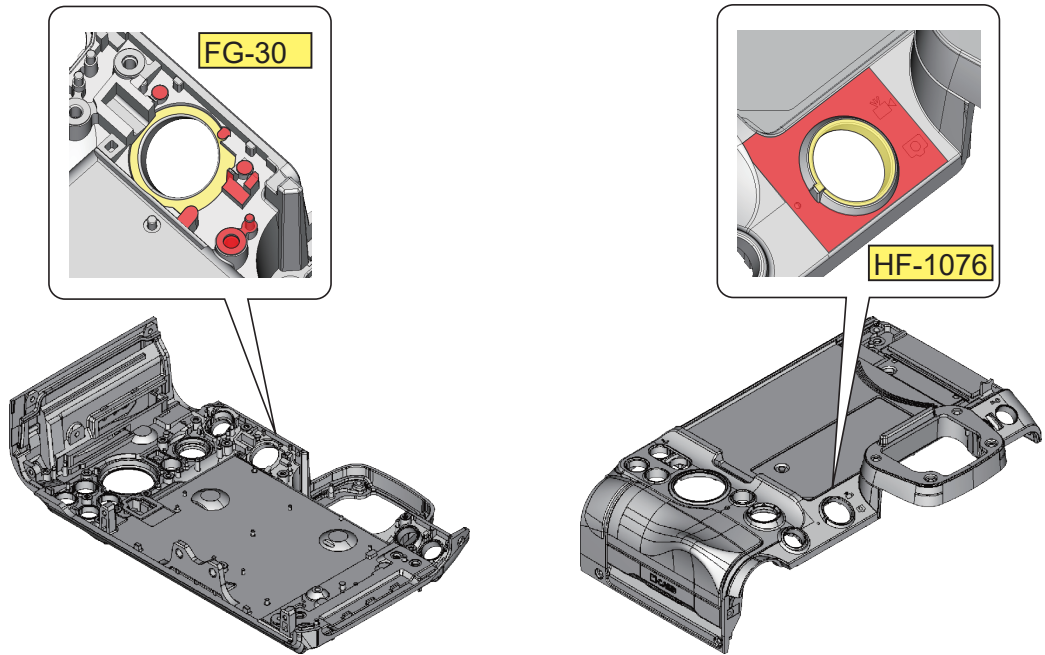
○ SPRING hook x 3

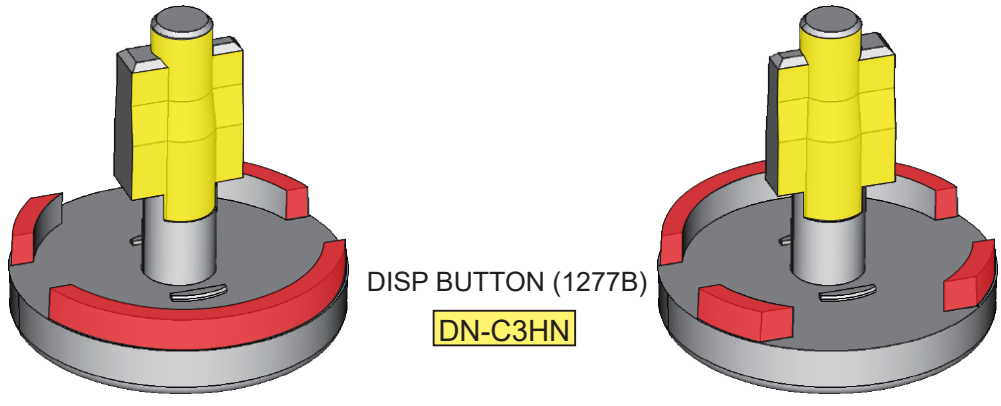
MEDIA COVER UNIT



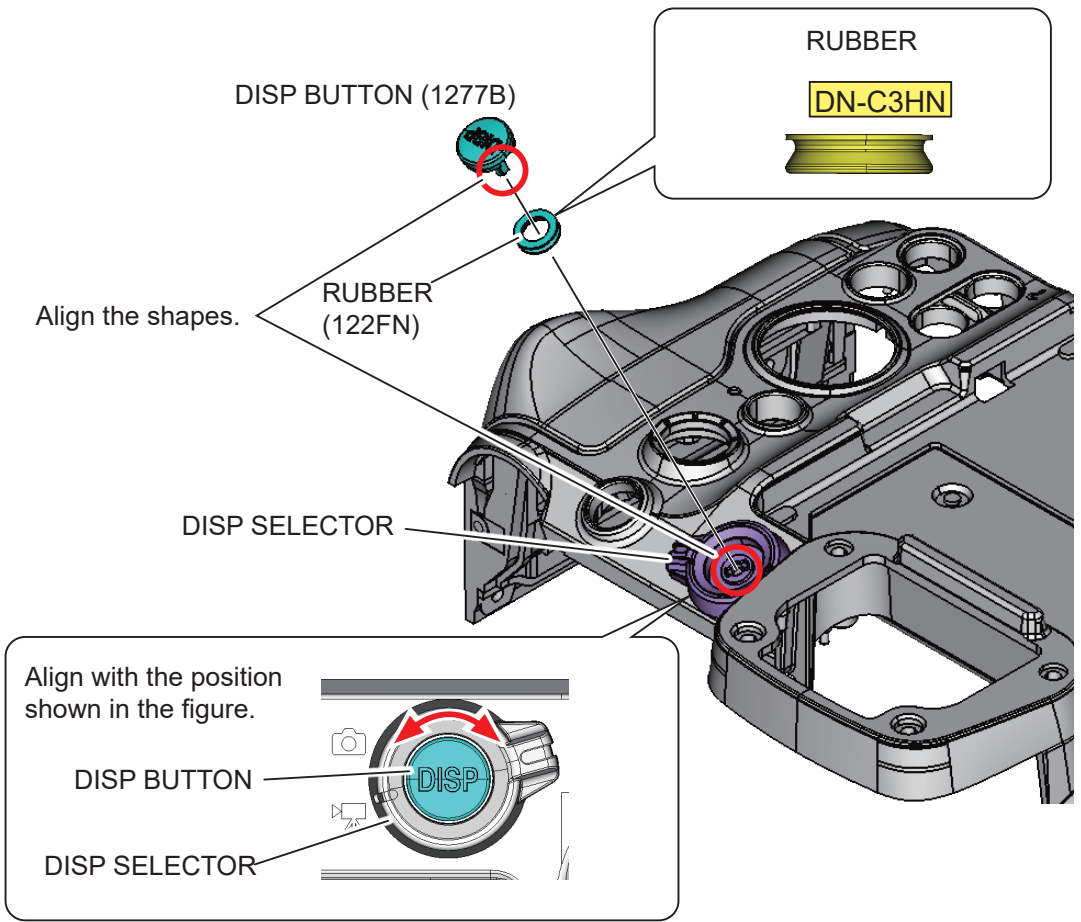


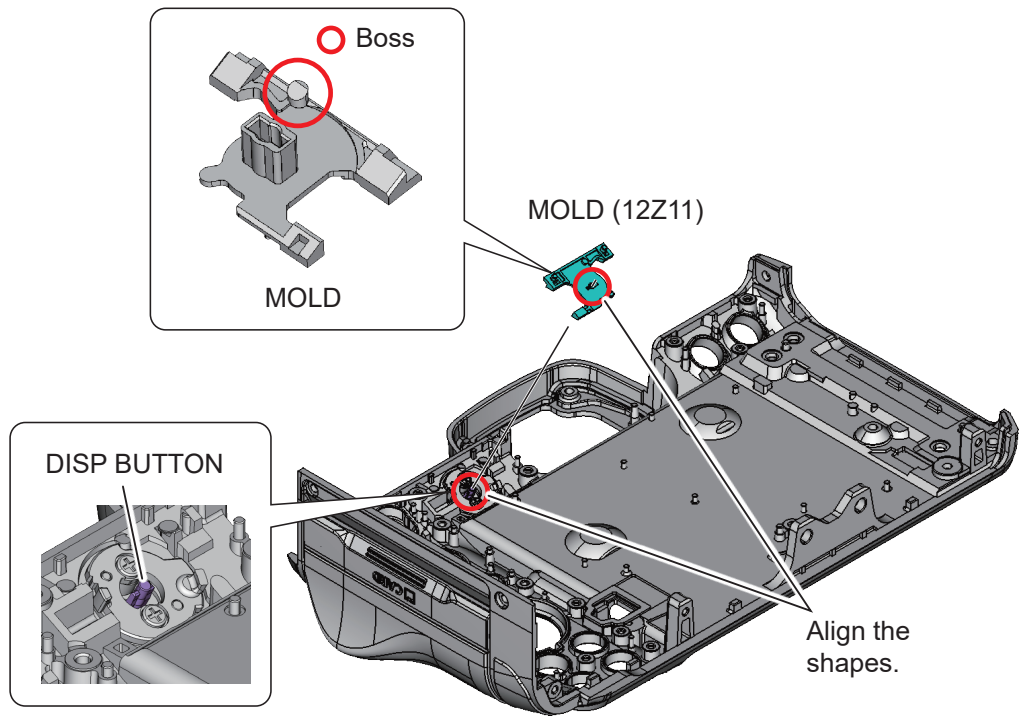
- Do not apply to the red area.



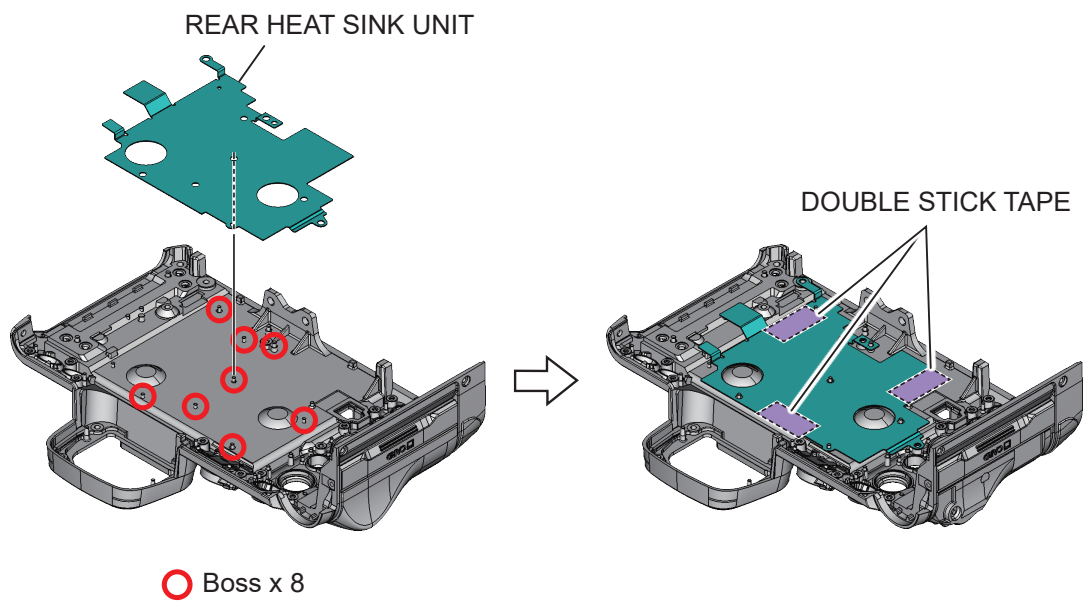


● Do not apply to the red area.

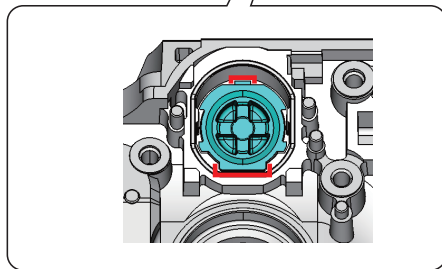
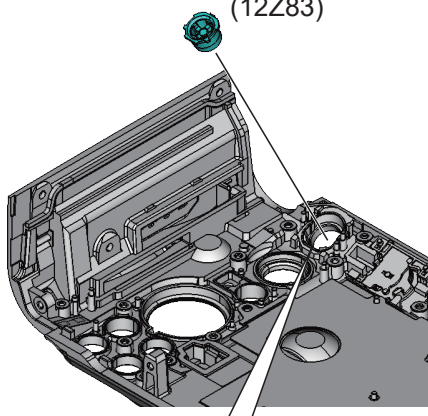




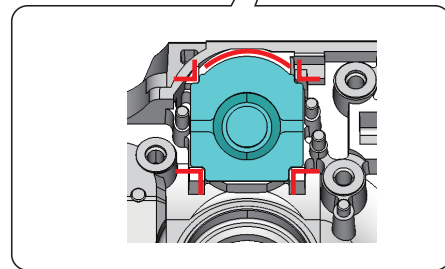
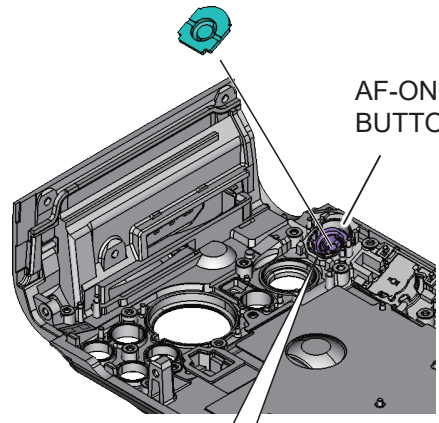
REAR FPC UNIT



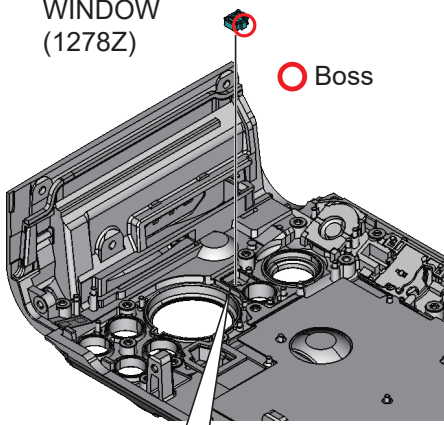
AF-ON BUTTON
(12Z83)



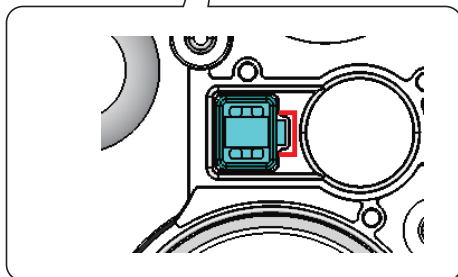
RUBBER (12Z13)



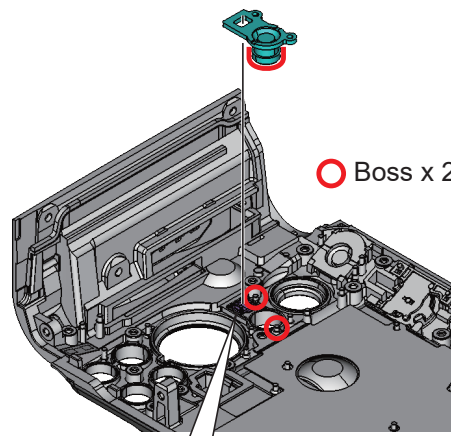
ACCESS
LAMP
WINDOW
(1278Z)



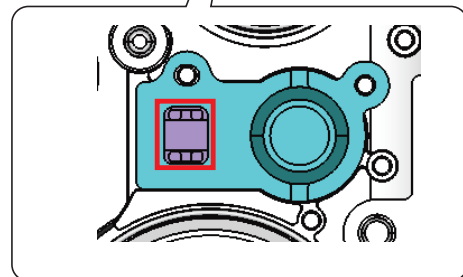
○ Boss

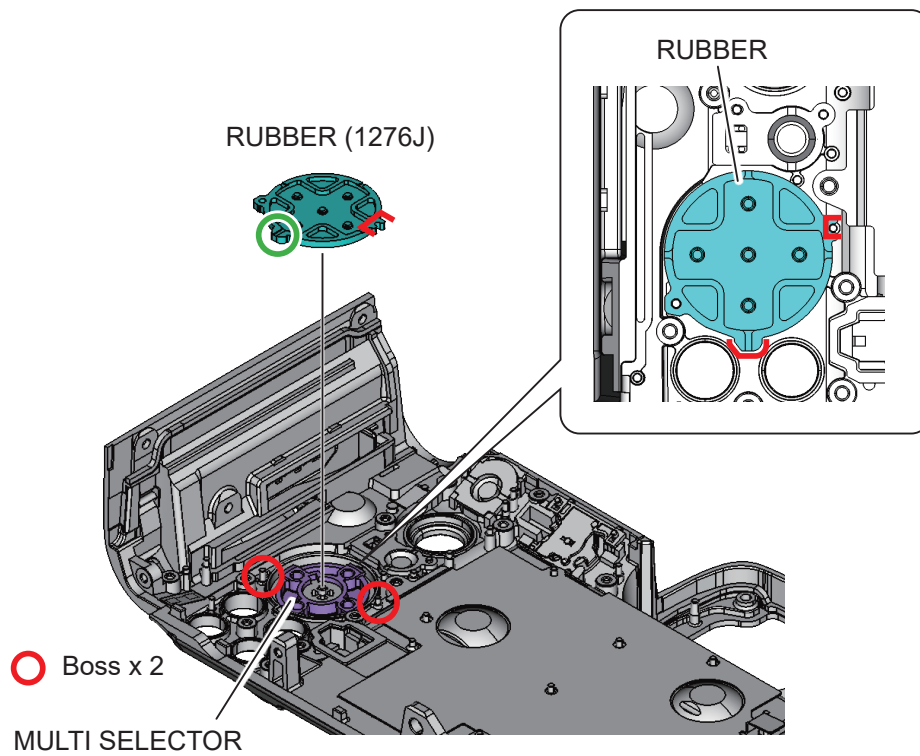
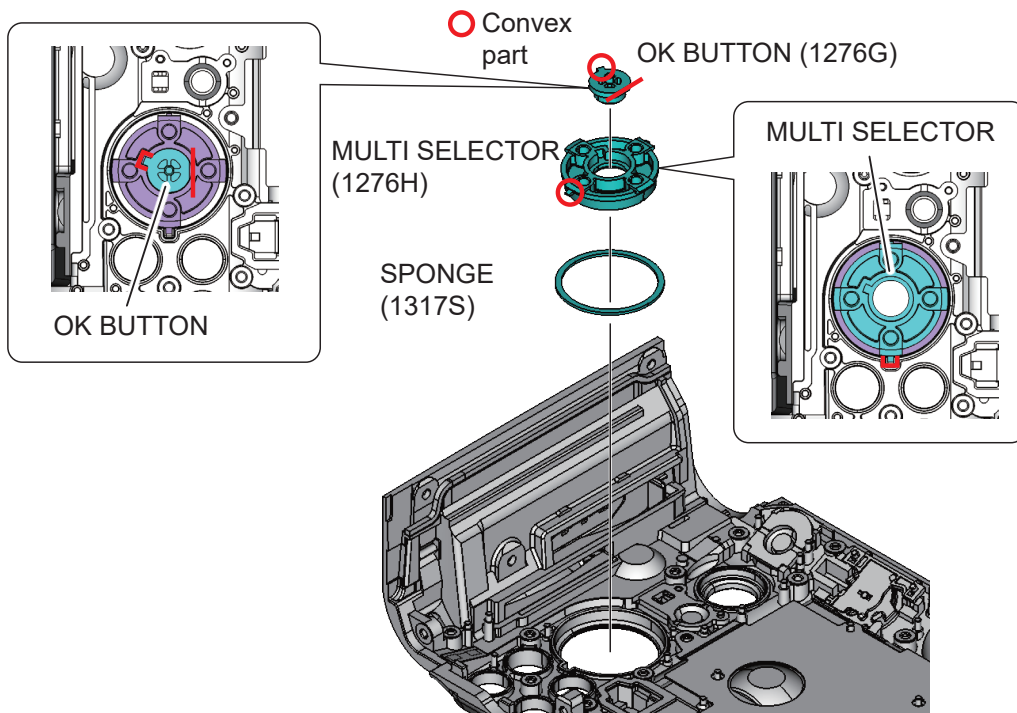


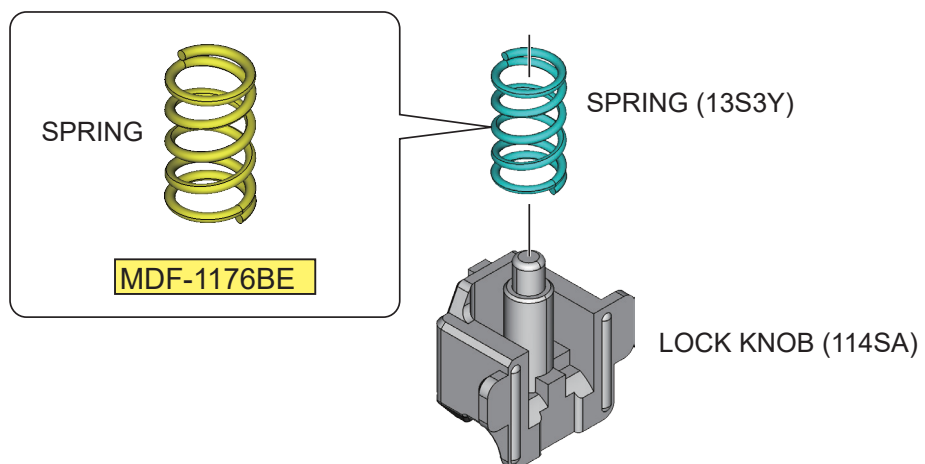
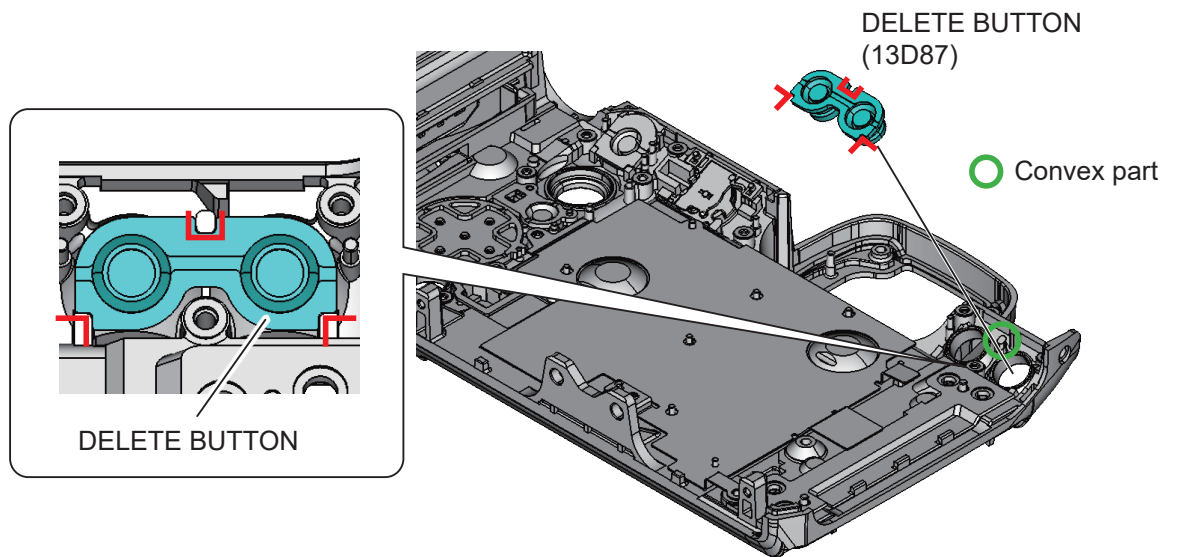
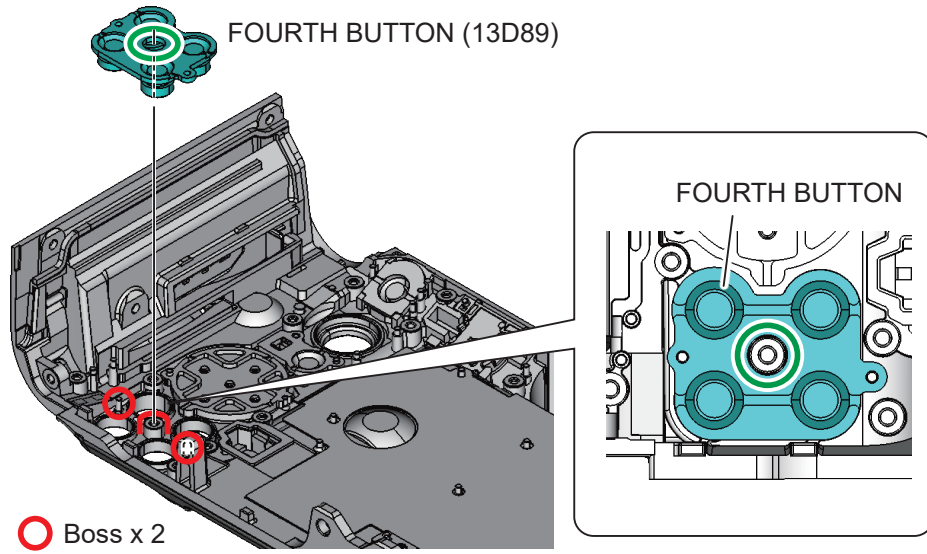
I BUTTON (1278E)

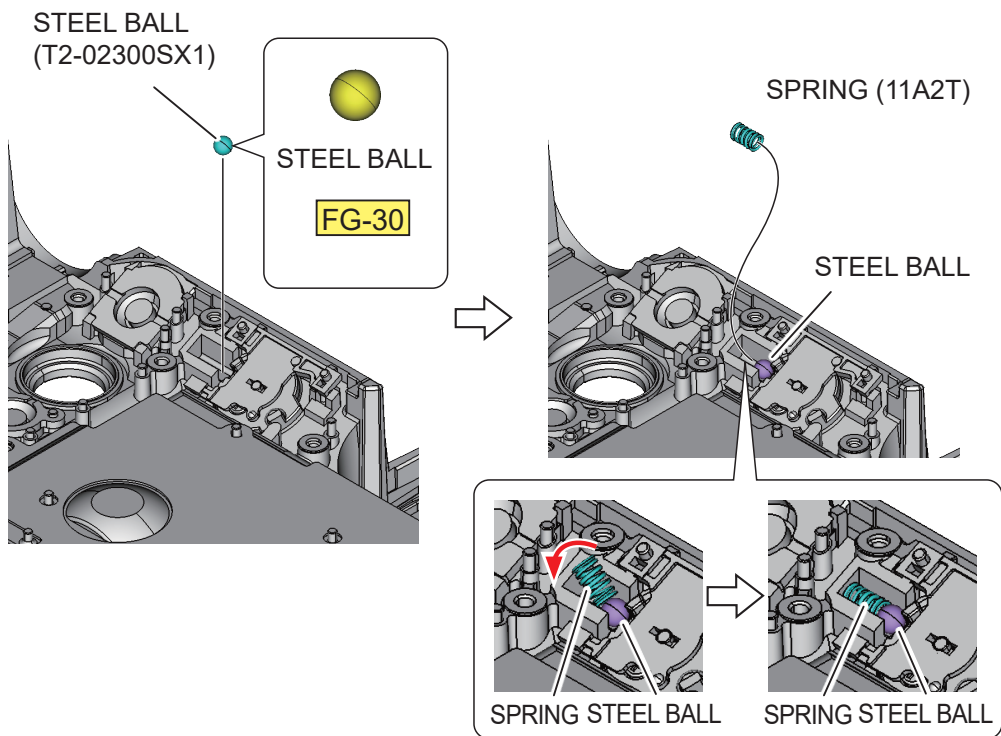
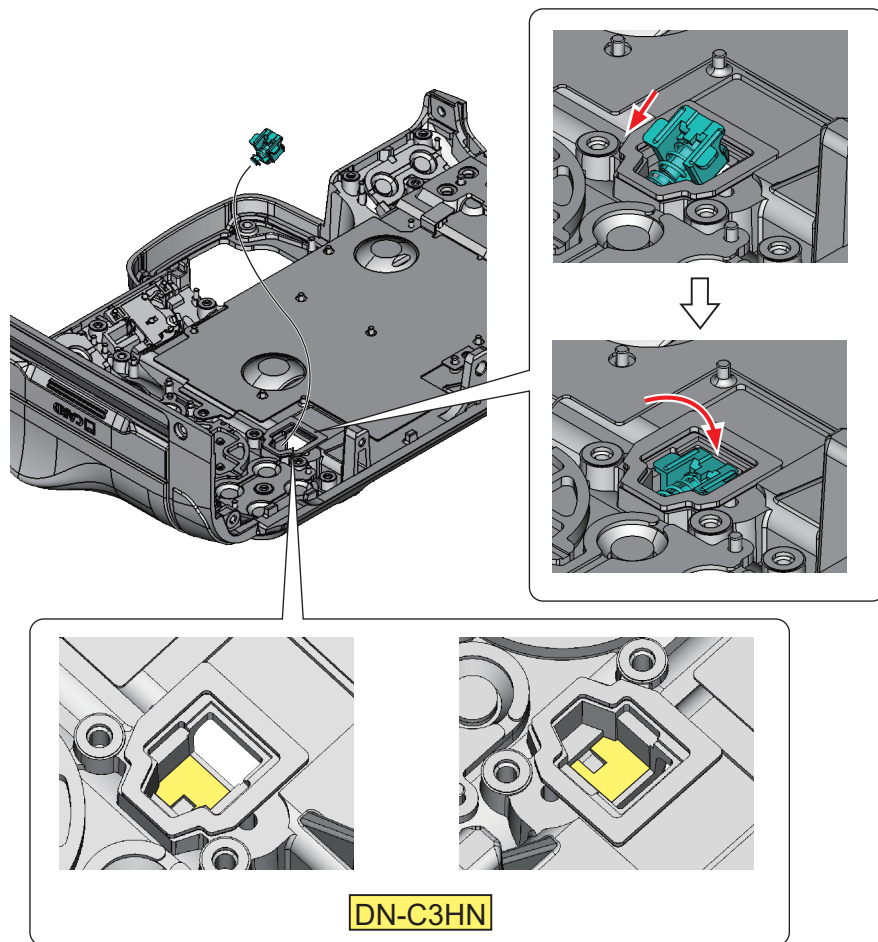


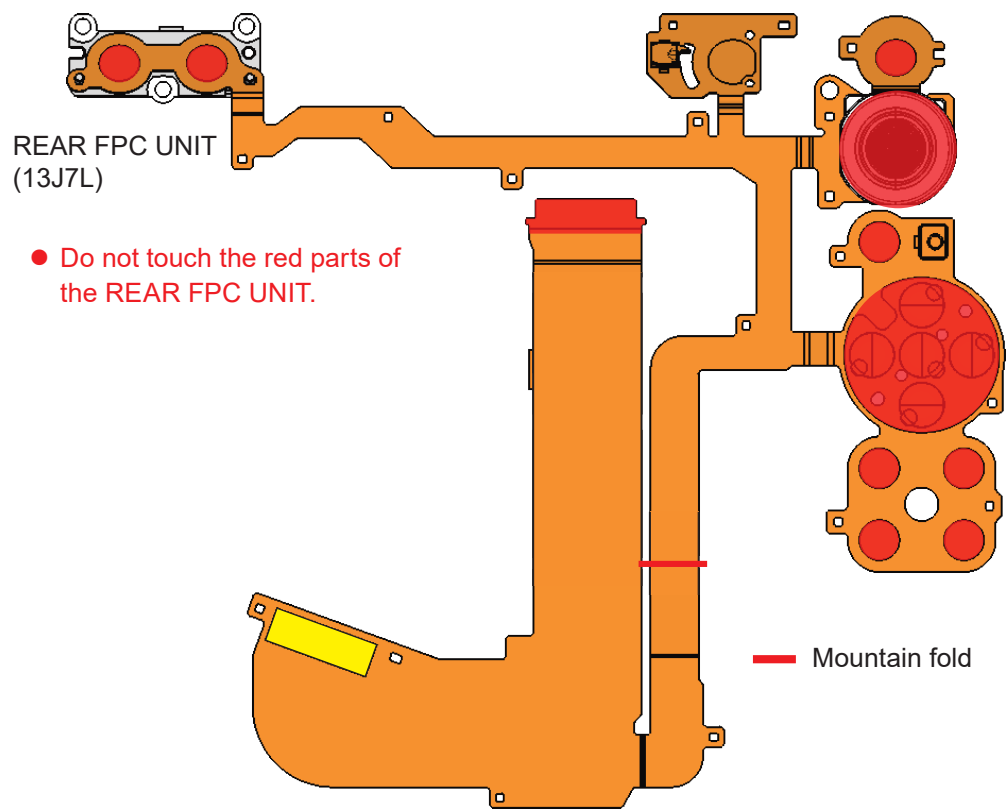
○ Boss x 2



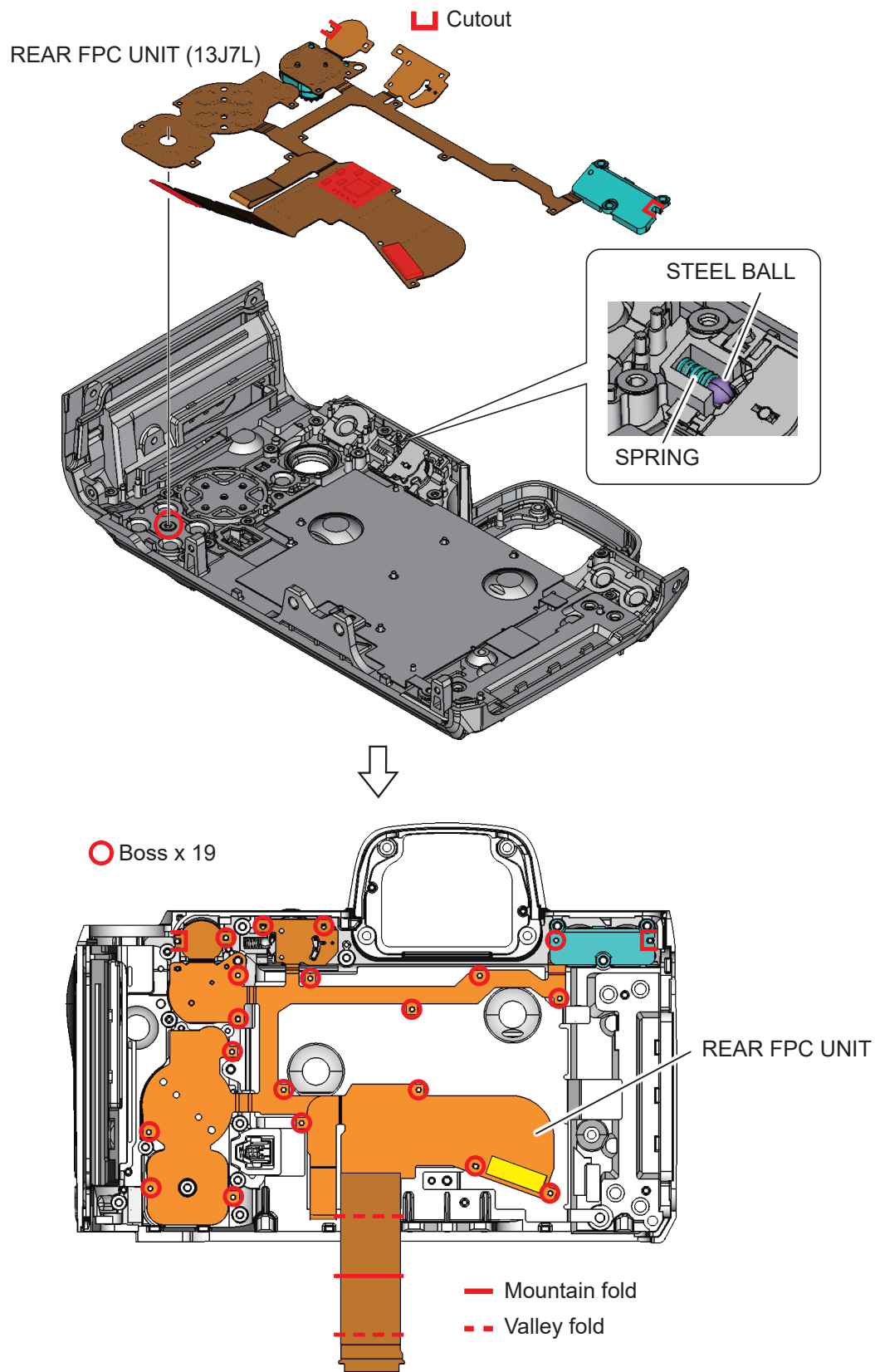


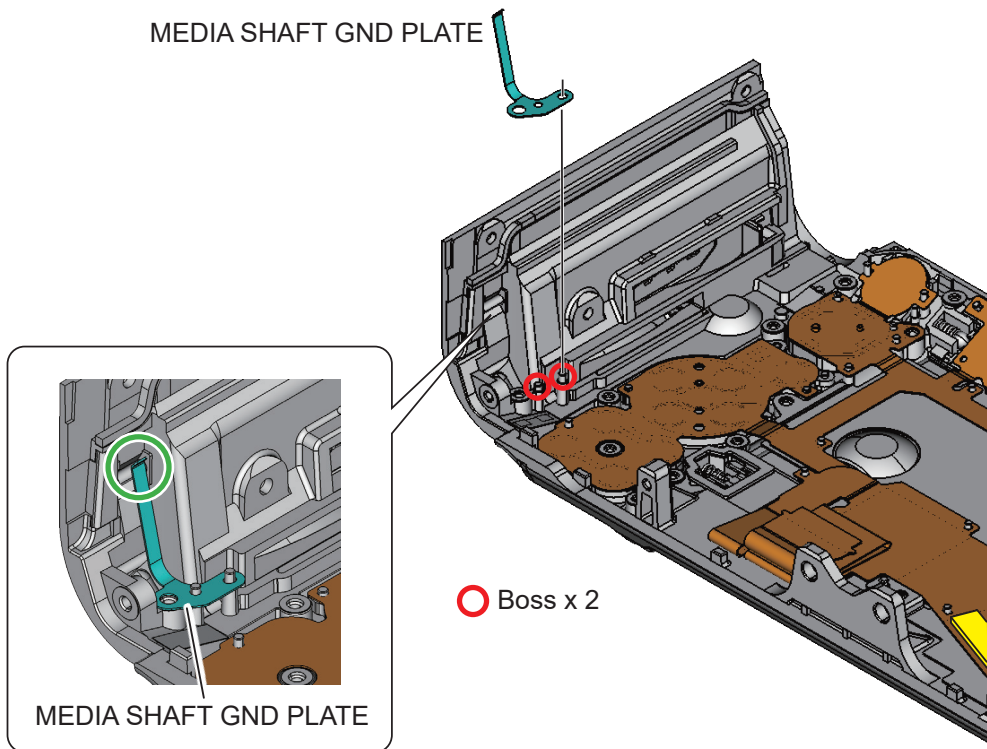
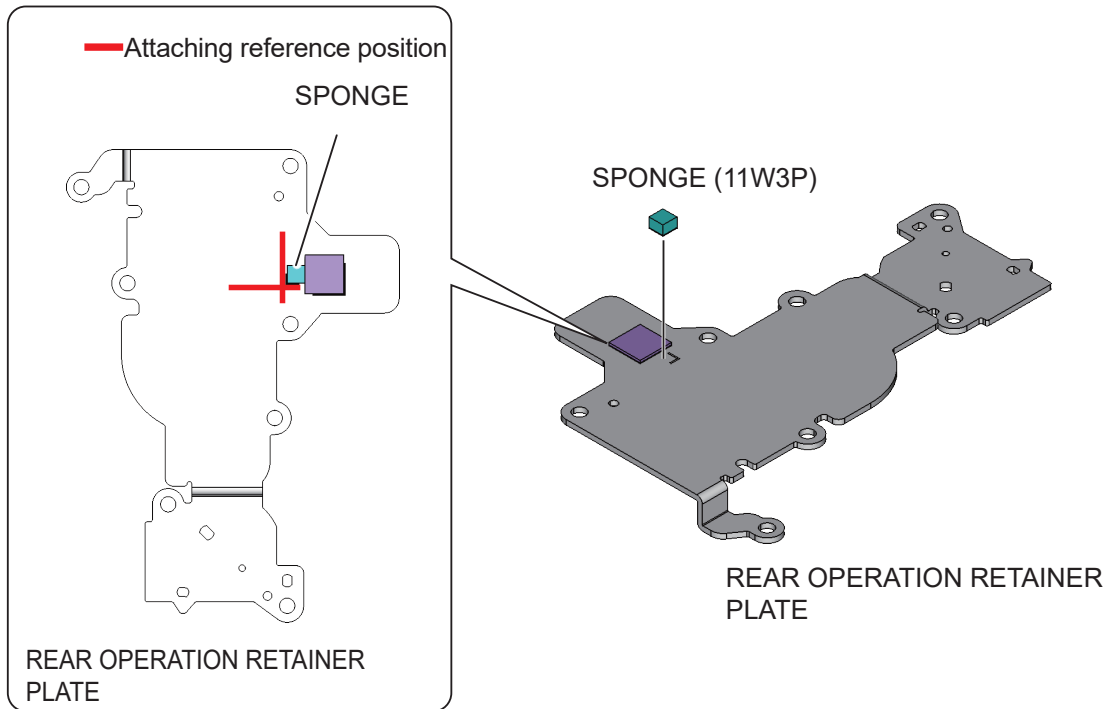




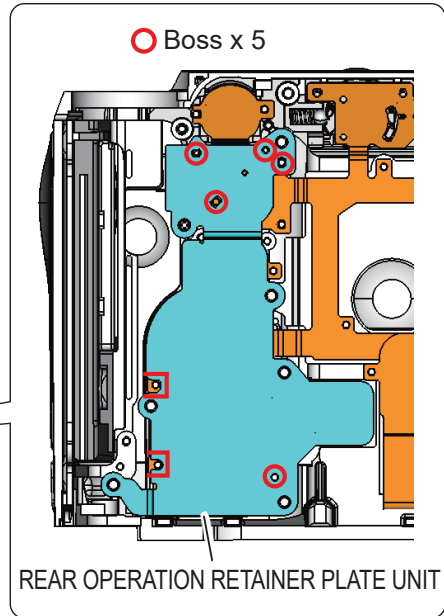
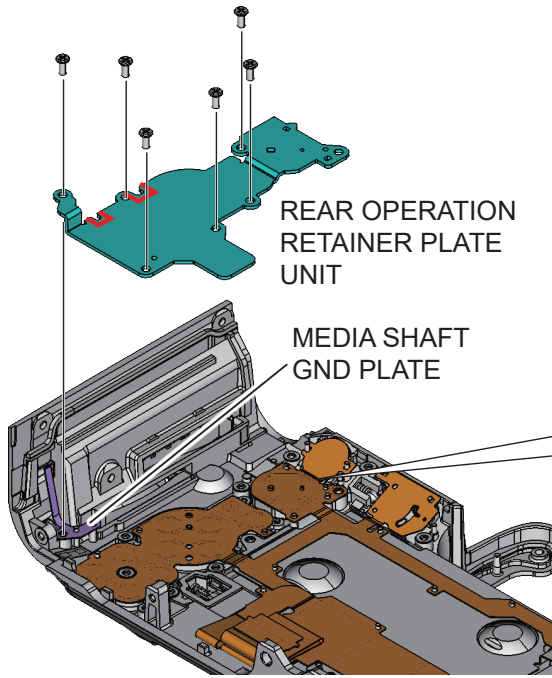


● Do not touch the red parts of the REAR FPC UNIT.



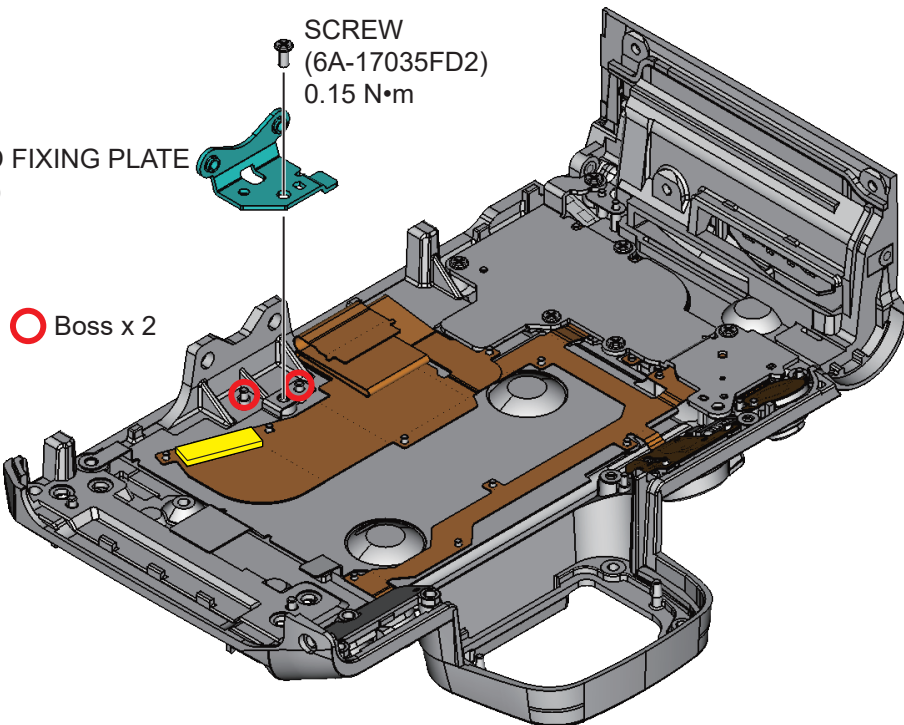


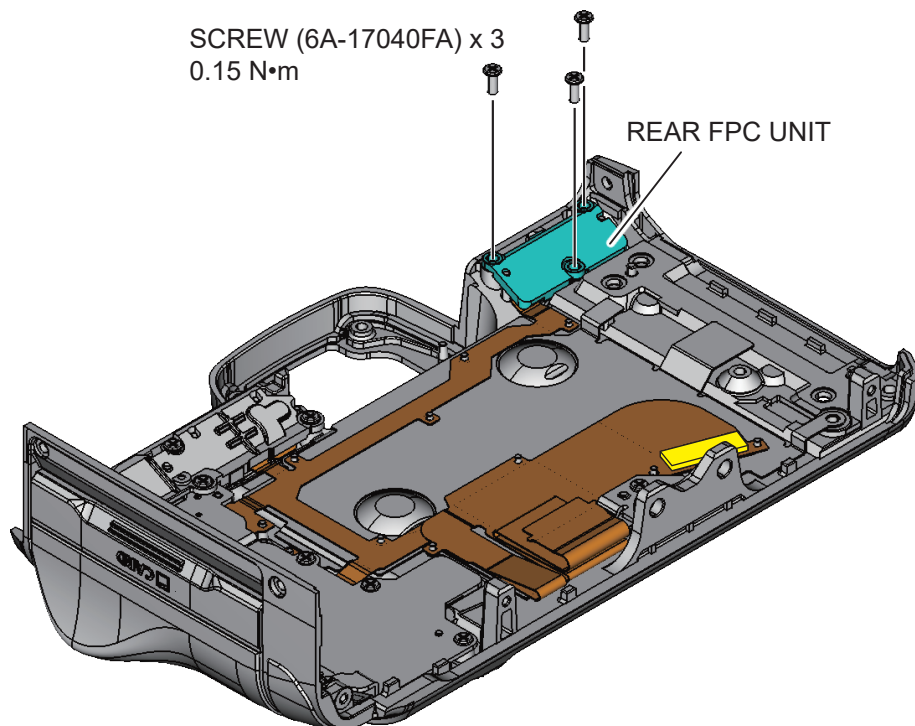
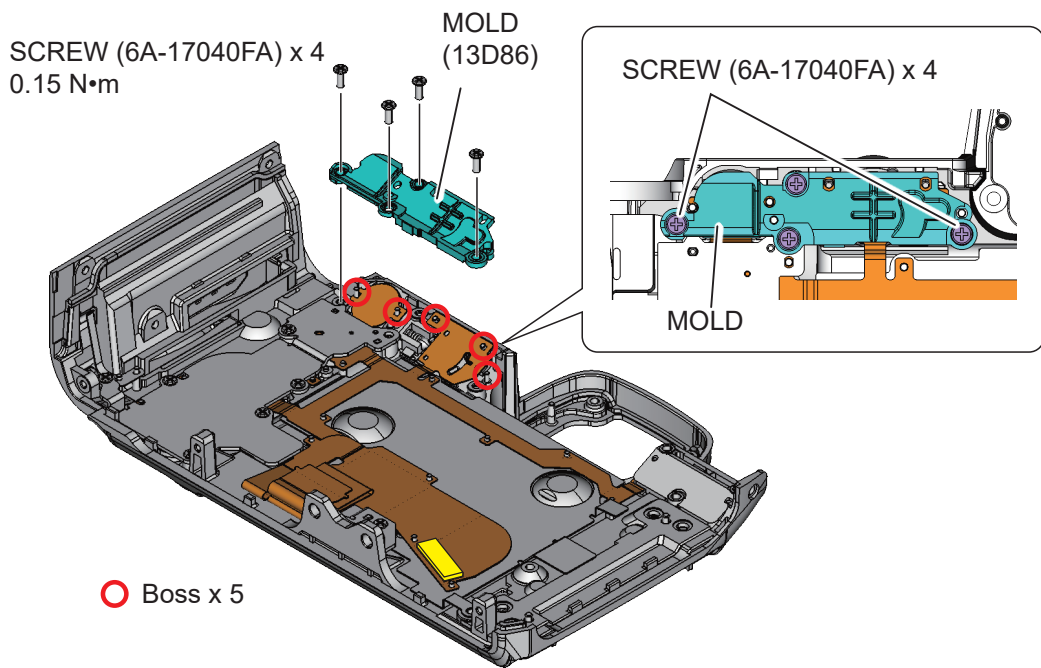
SCREW (6A-17035FD2) x 6
0.15 N•m



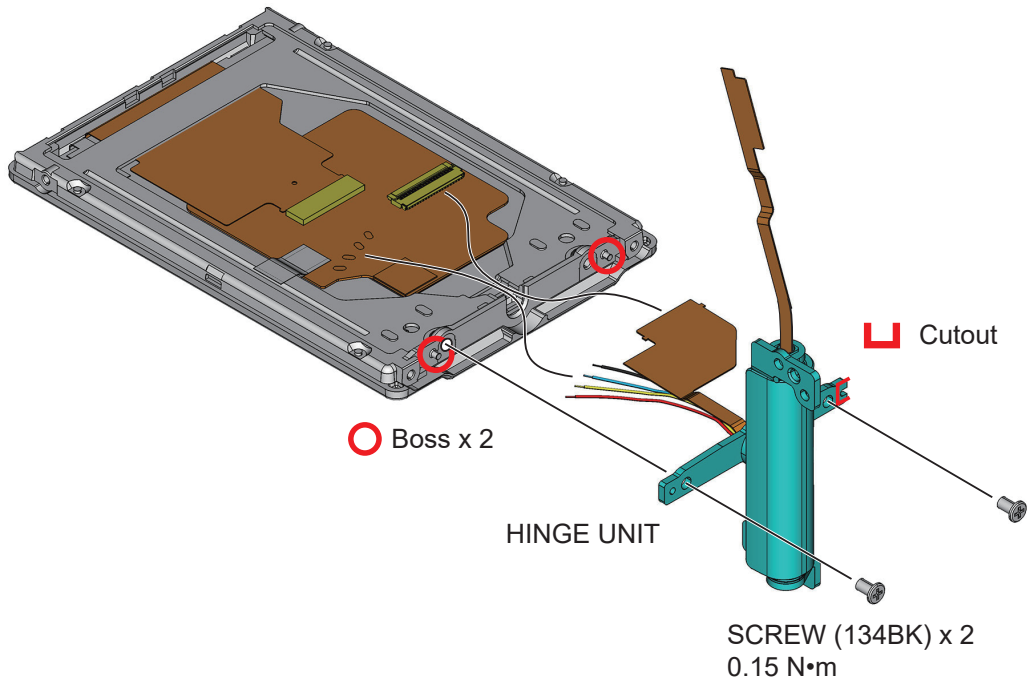
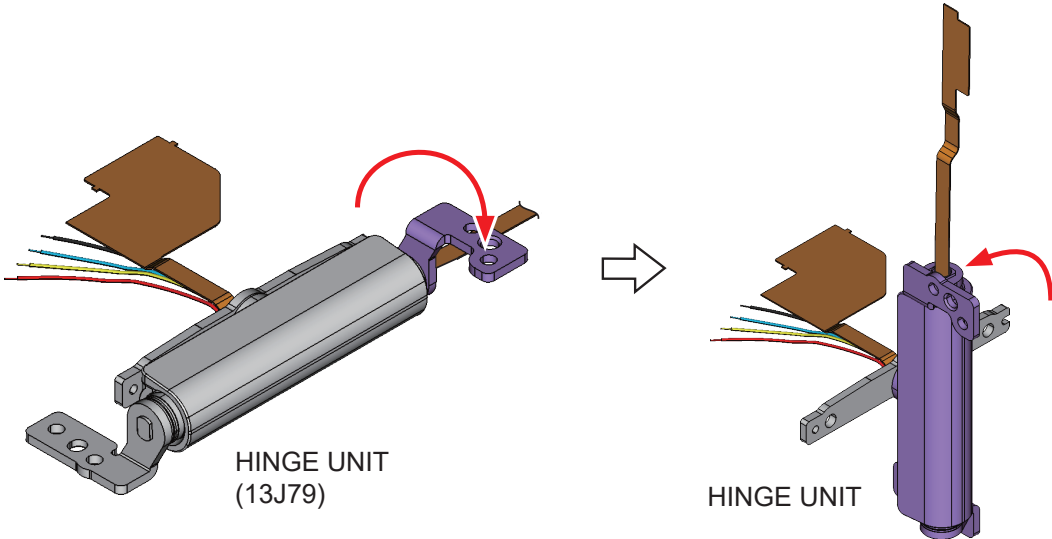
TRIPOD FIXING PLATE
(13D7Z)

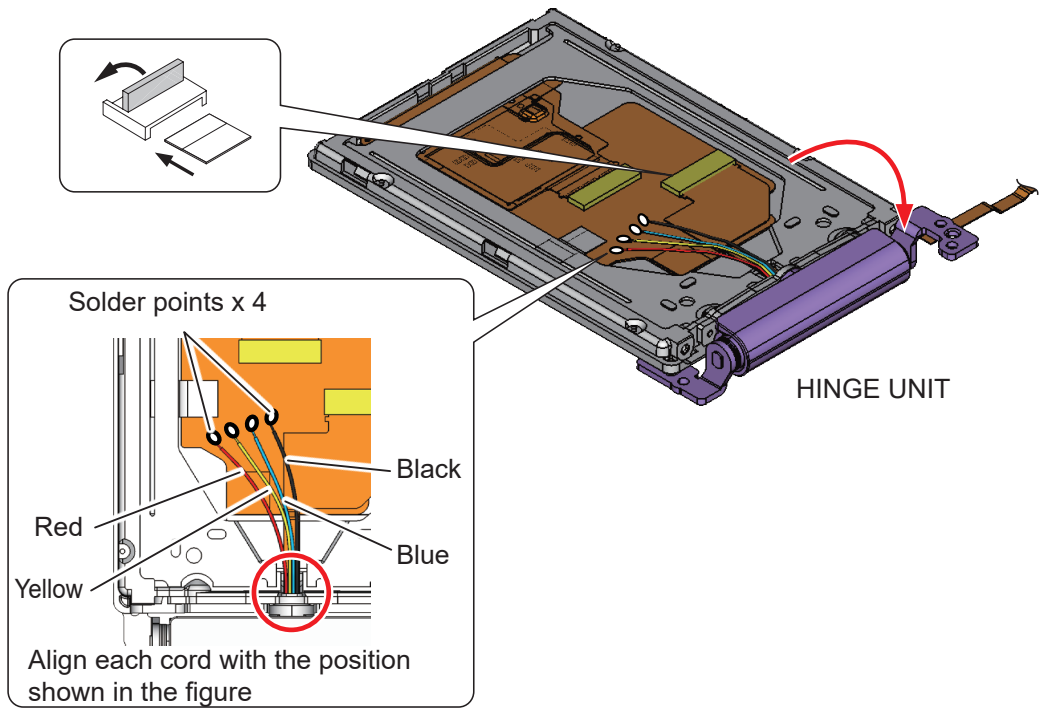
SCREW
(6A-17035FD2)
0.15 N•m



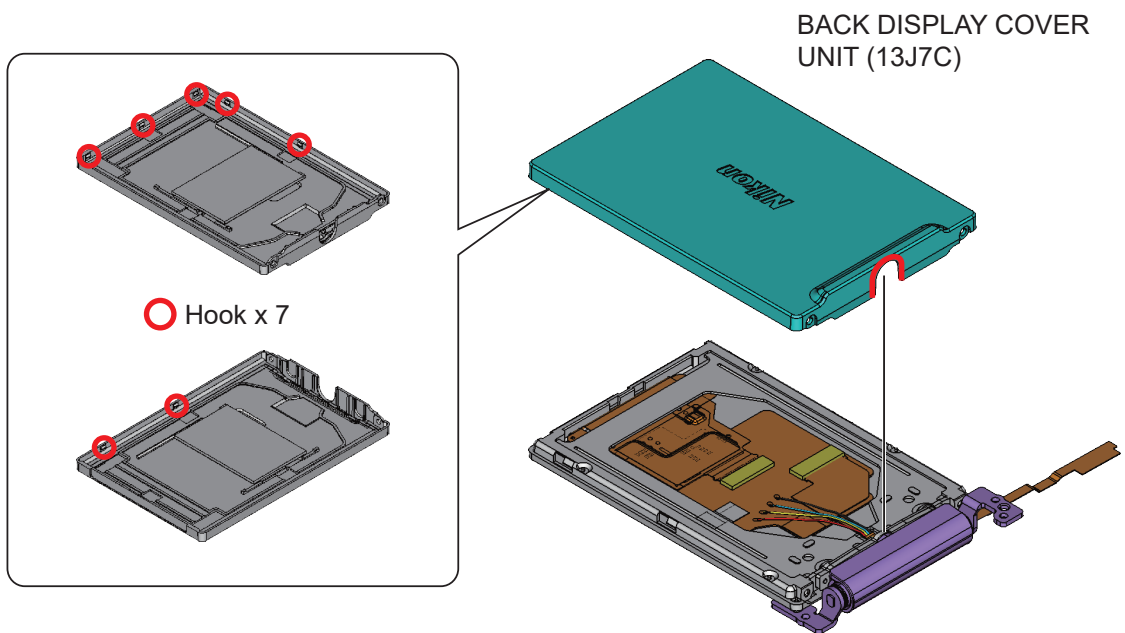


HINGE UNIT

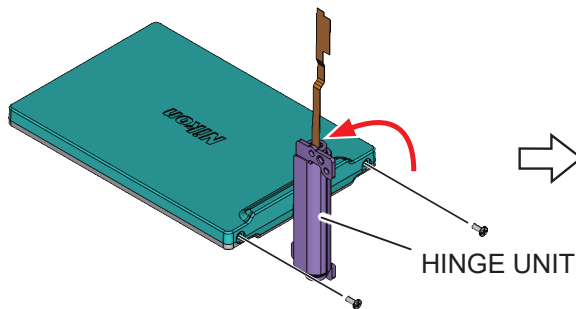




BACK DISPLAY COVER UNIT



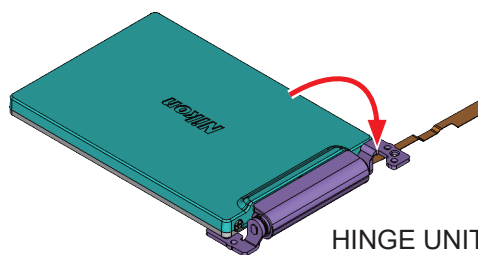
BACK DISPLAY COVER UNIT



HINGE UNIT

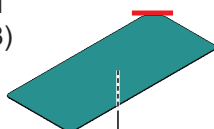
SCREW (12R78) x 2
0.12 N•m

BACK DISPLAY COVER UNIT

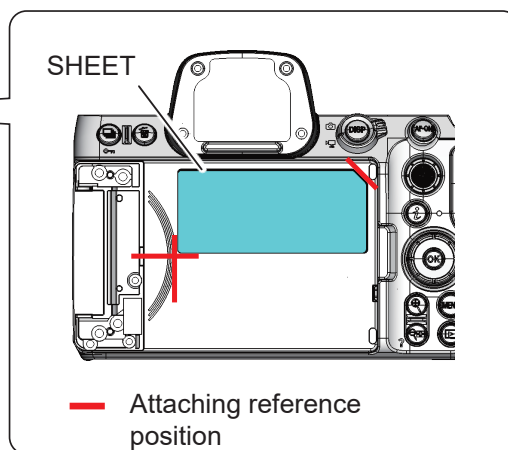
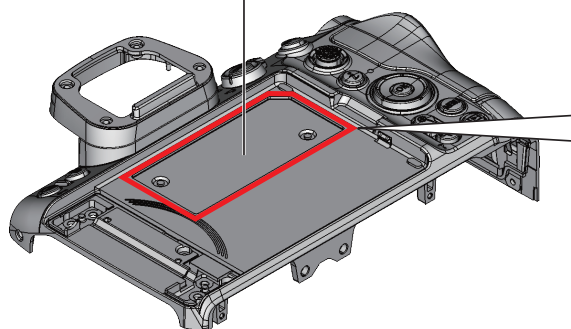


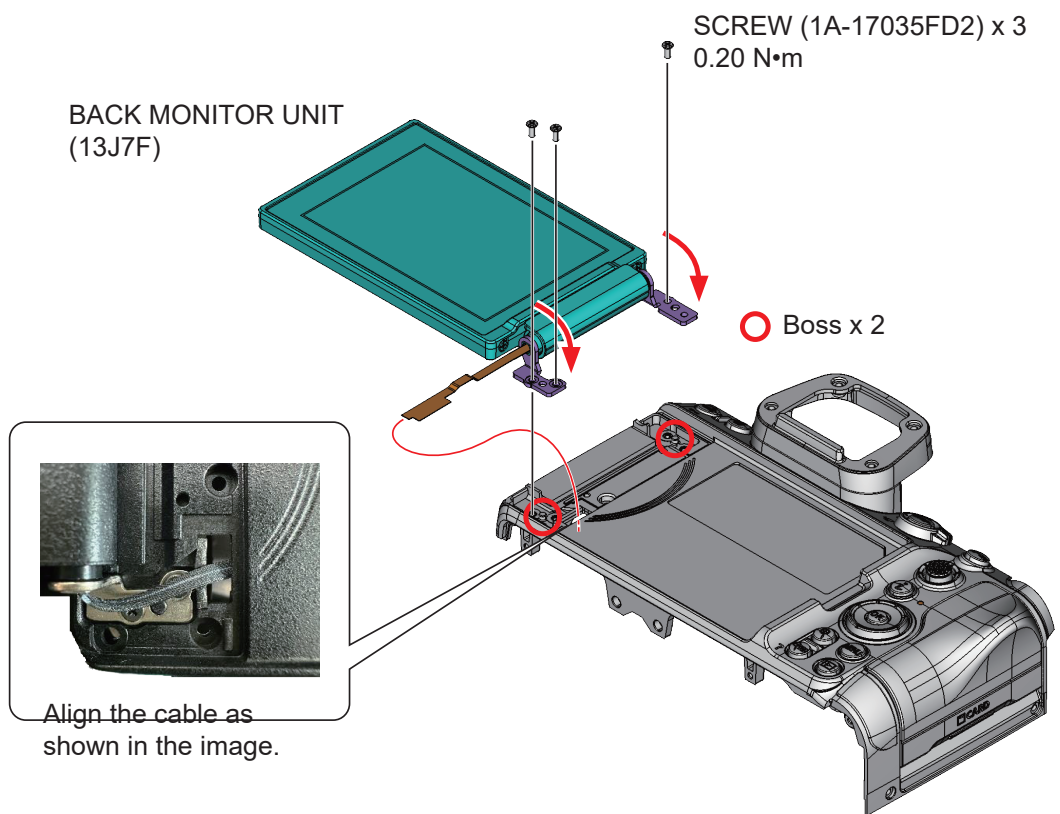
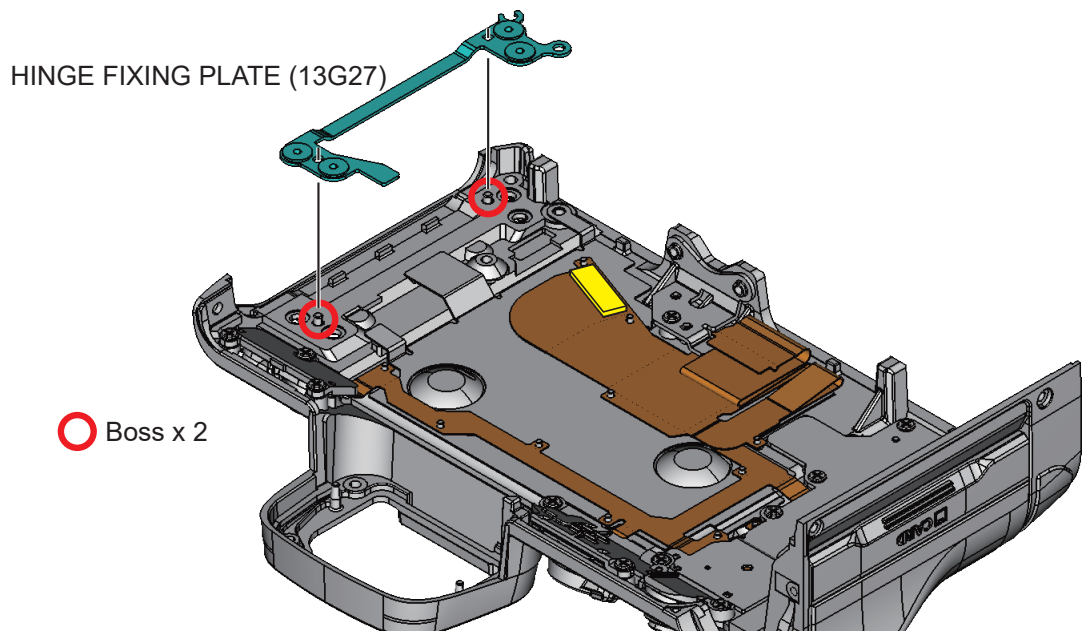
HINGE UNIT

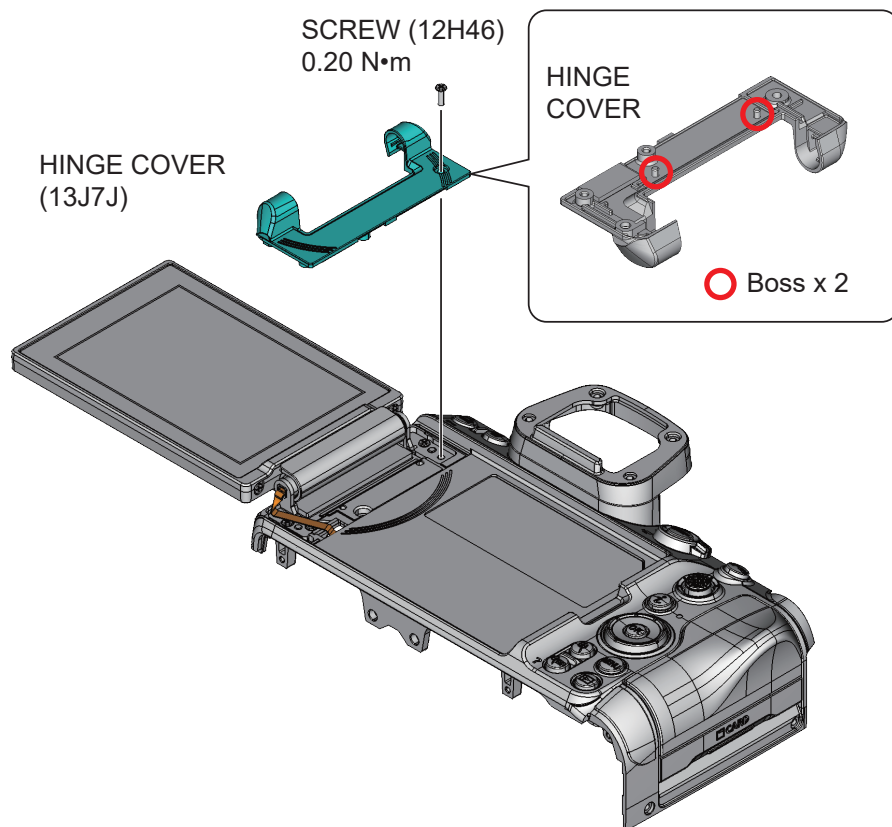
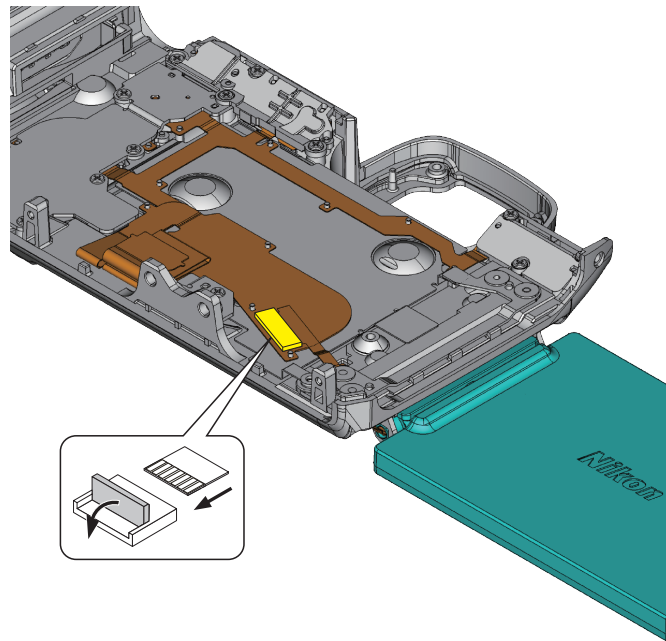
SHEET
(13F58)

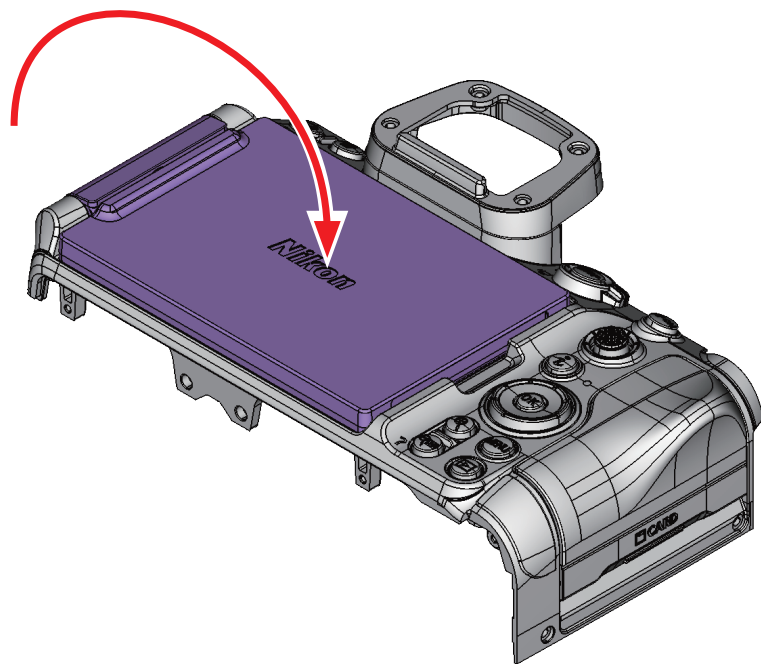
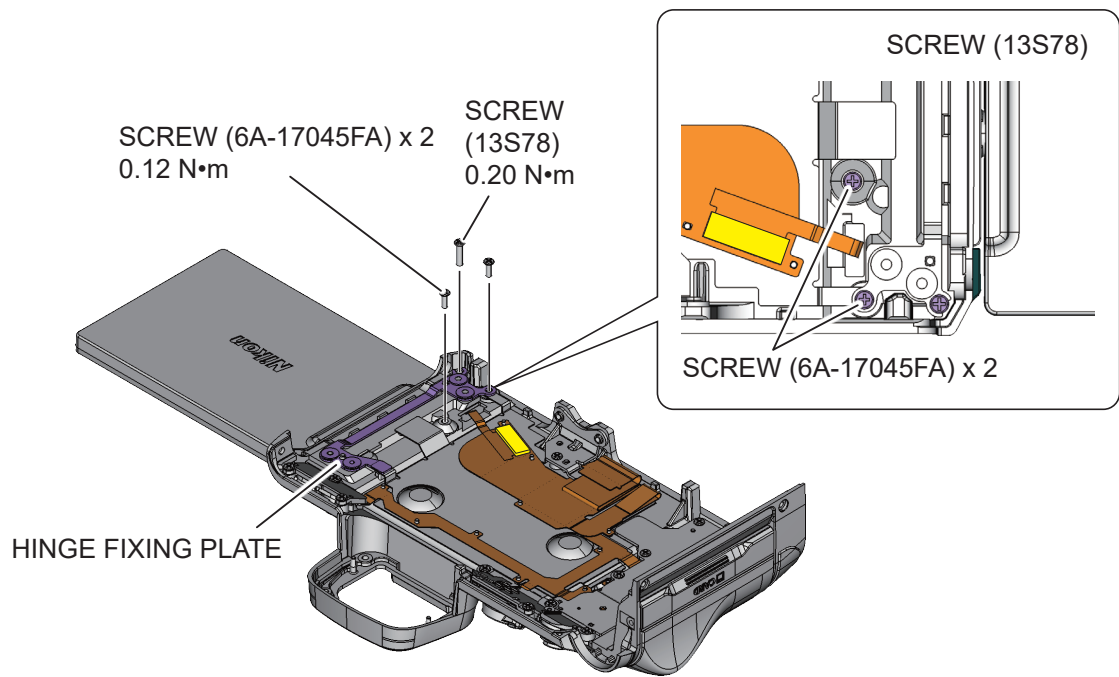


REAR COVER UNIT
(142SG)

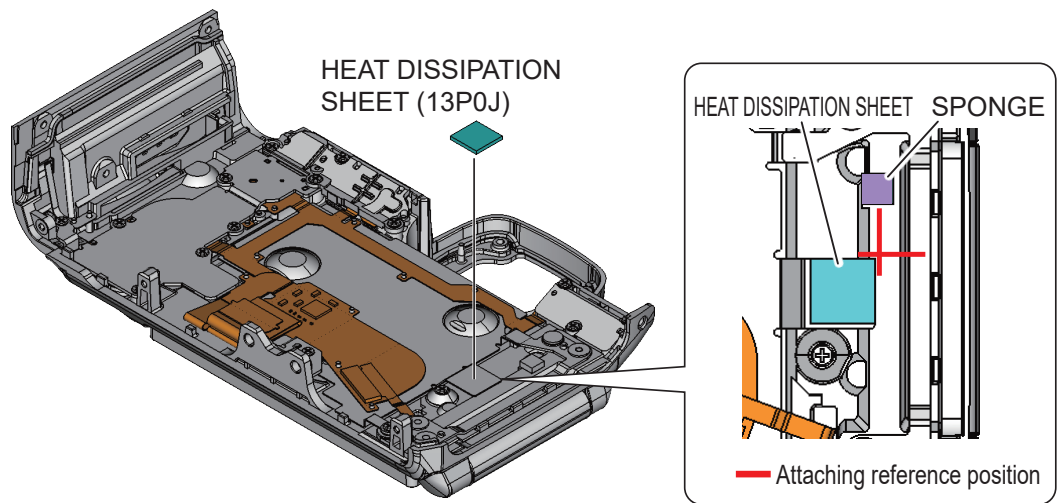
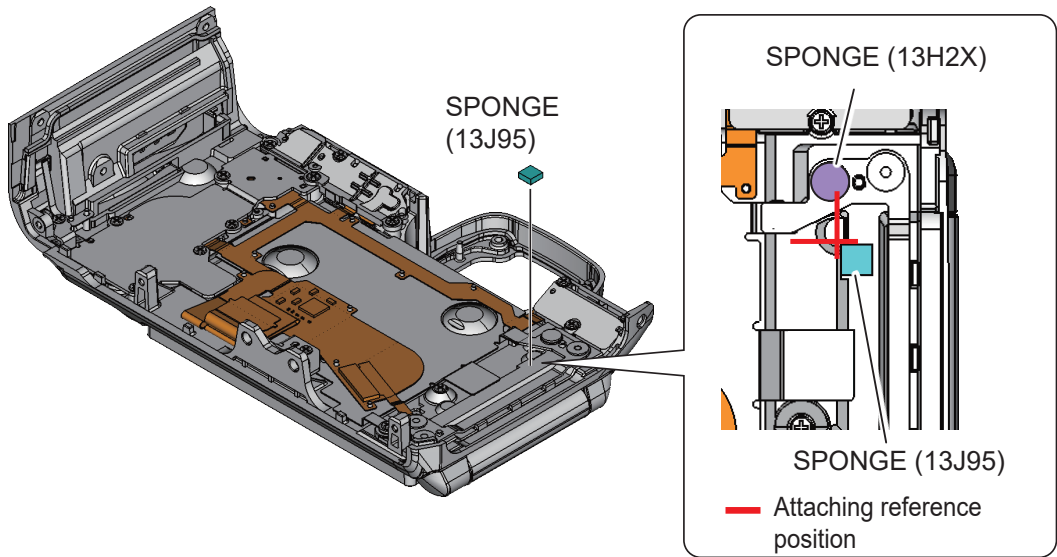
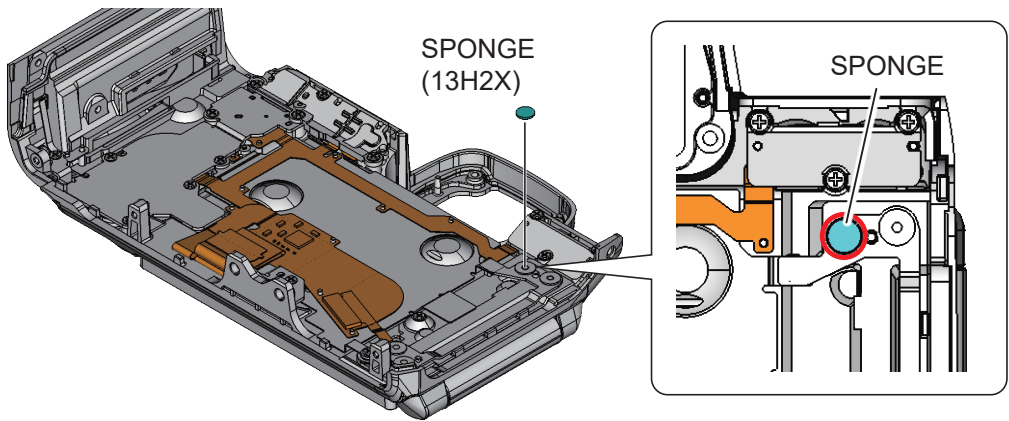


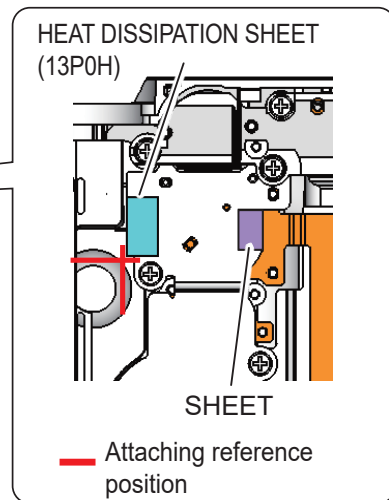
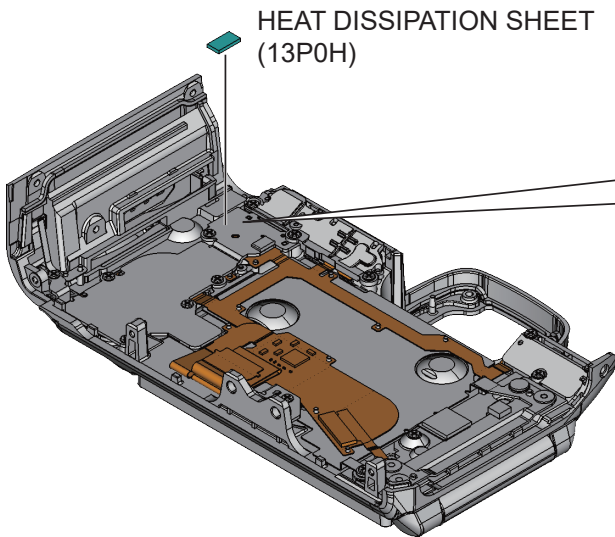
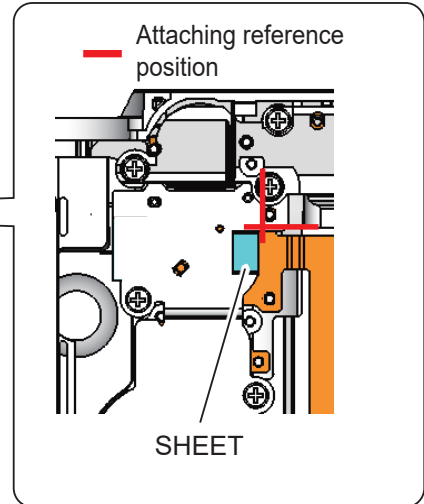
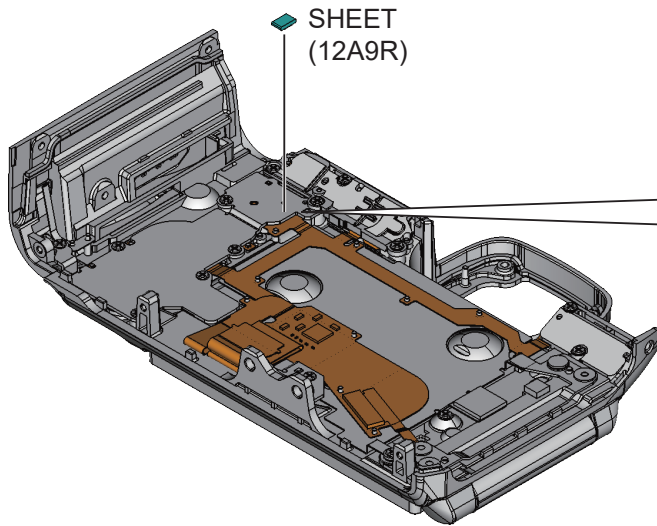


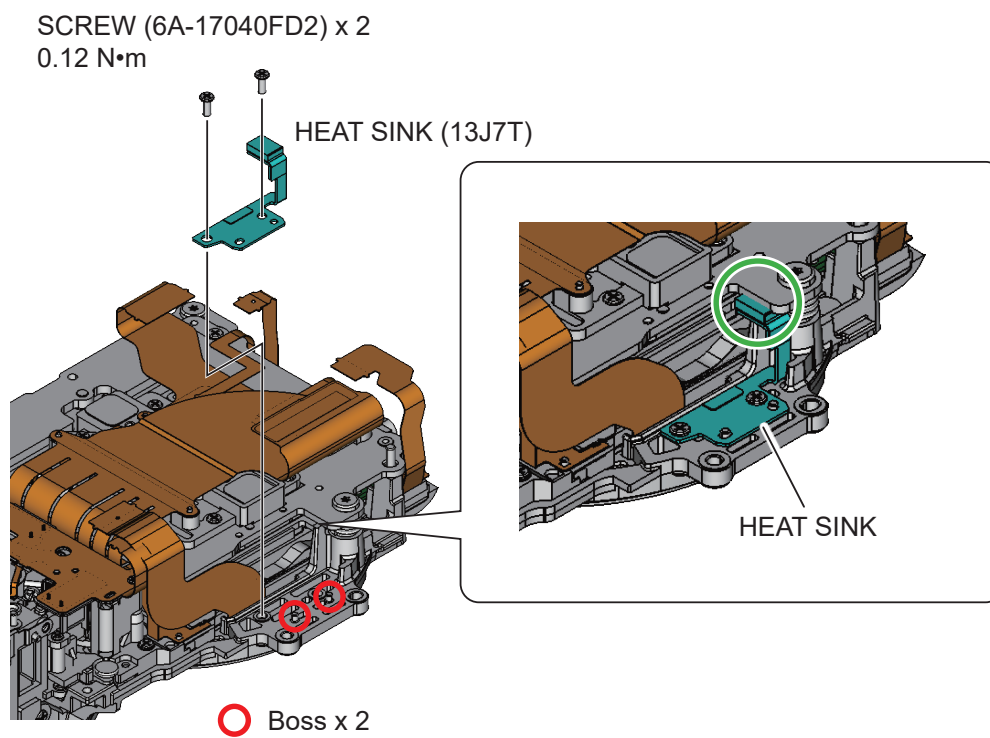
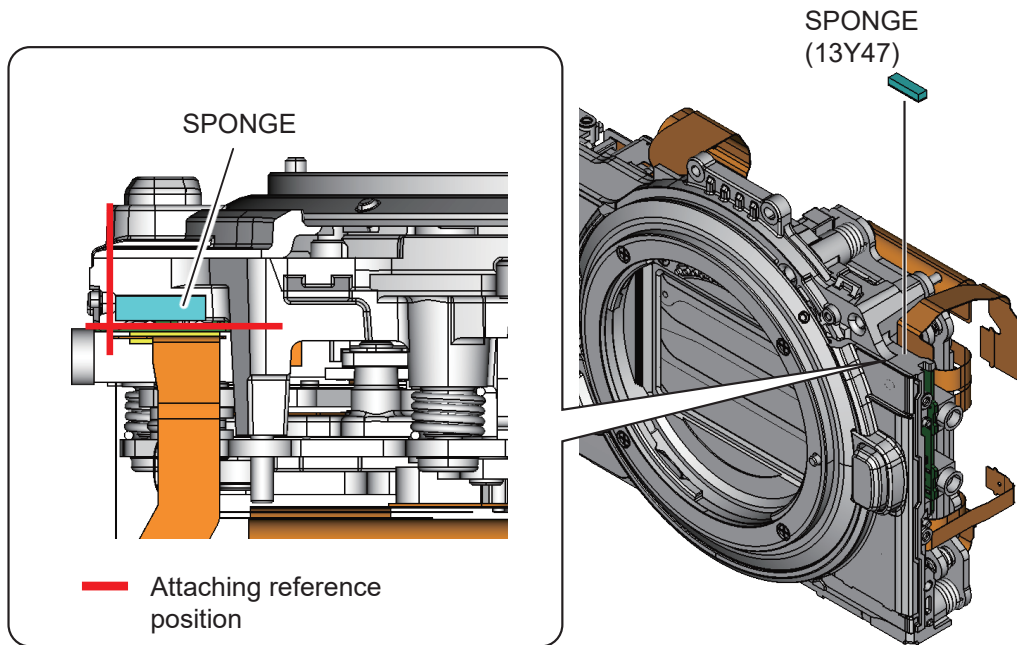


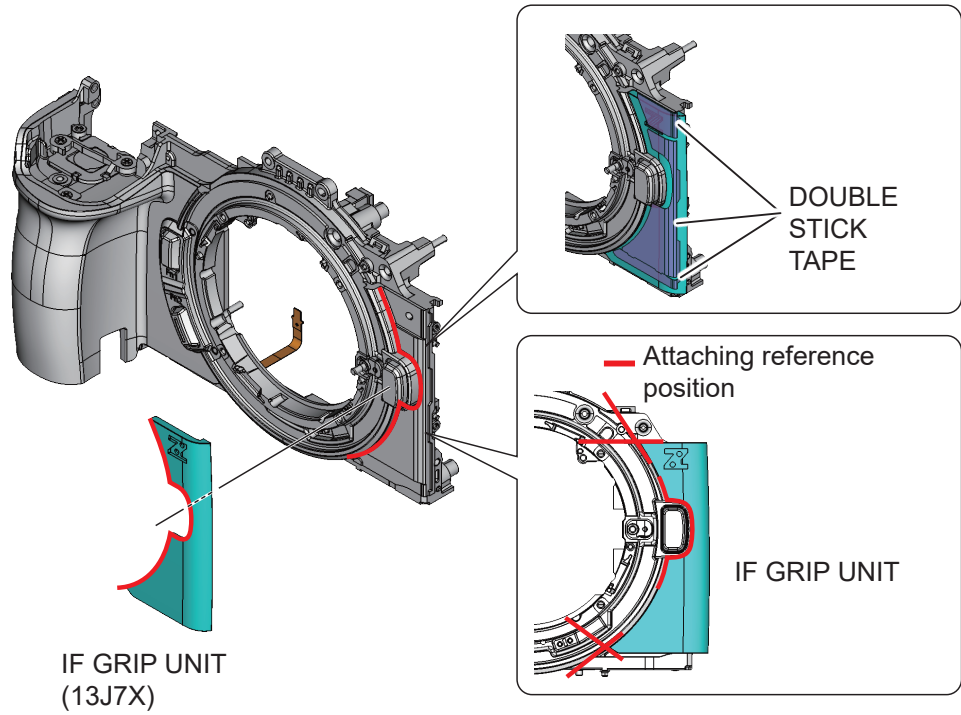


REAR COVER UNIT

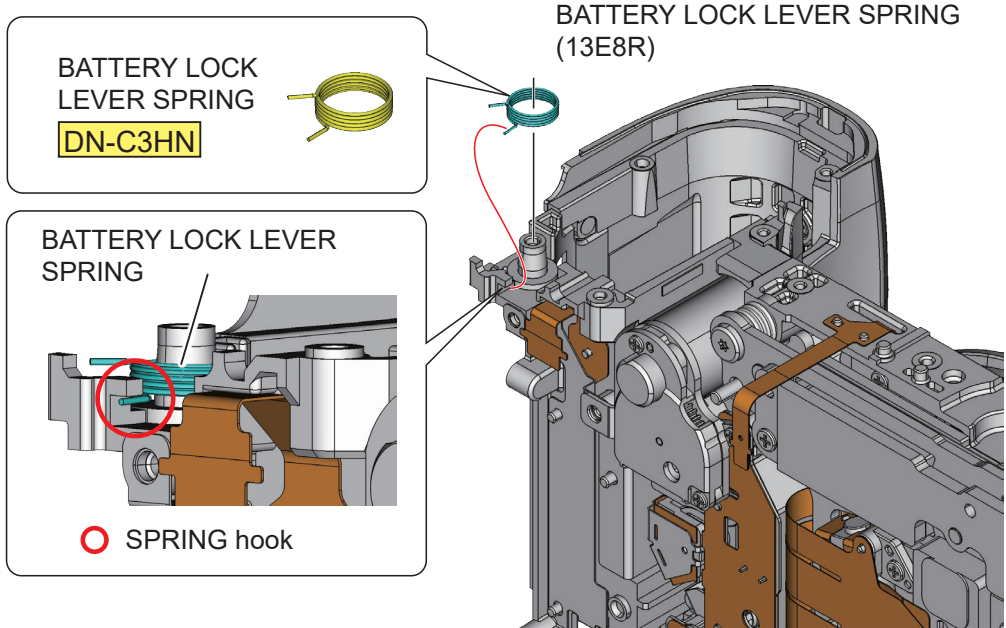


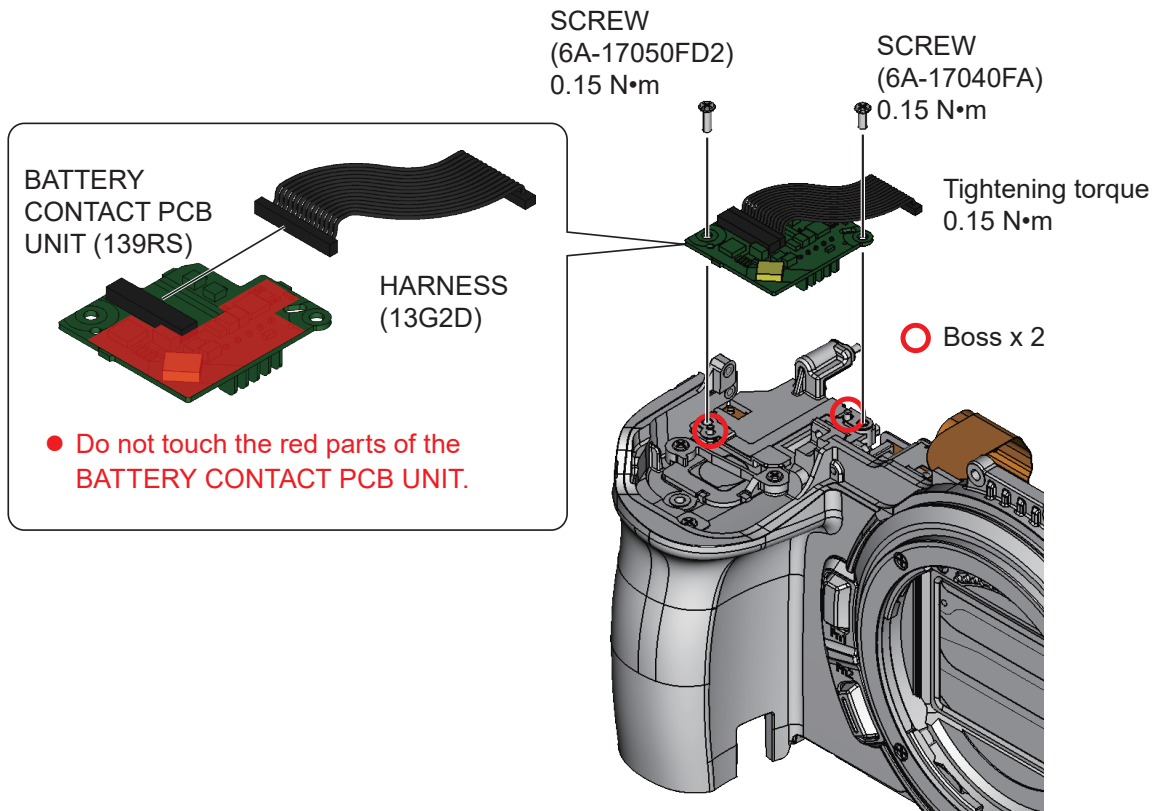
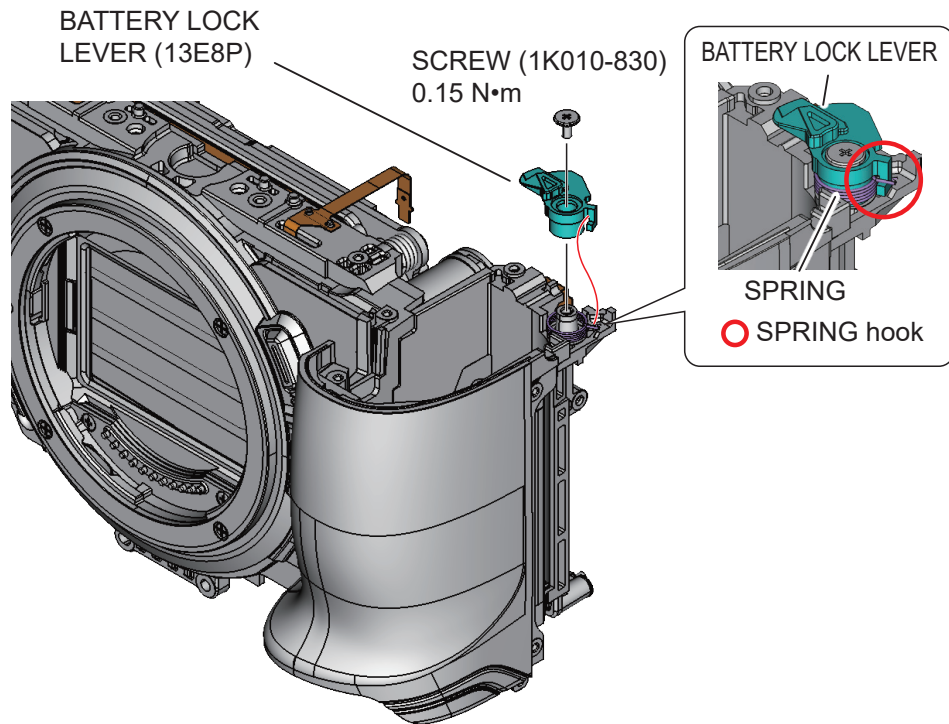


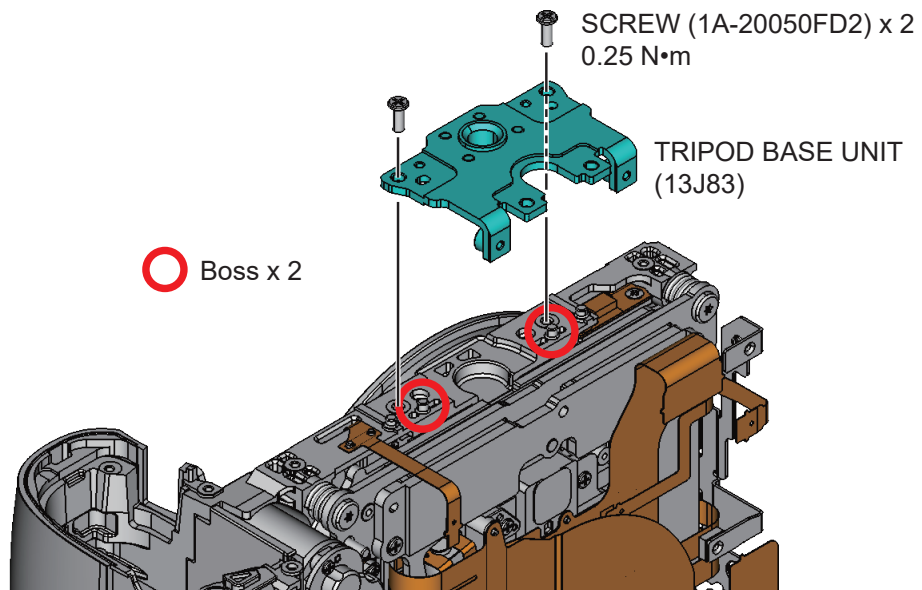
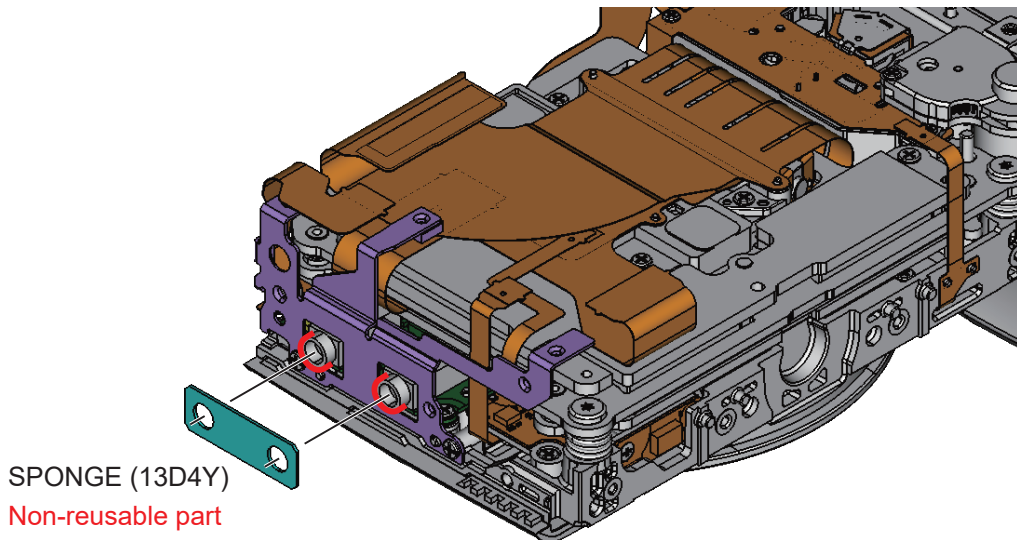
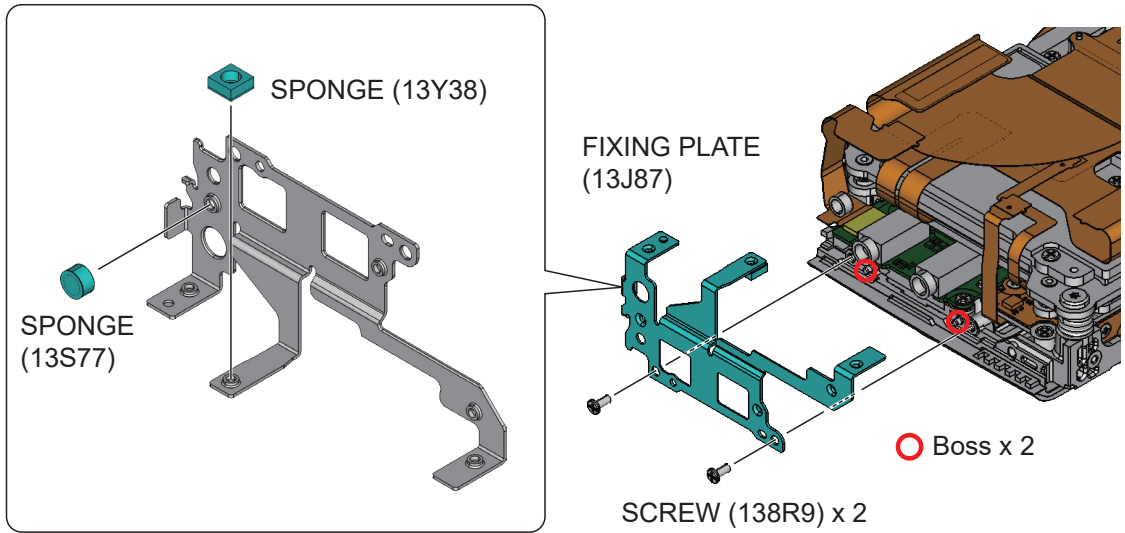




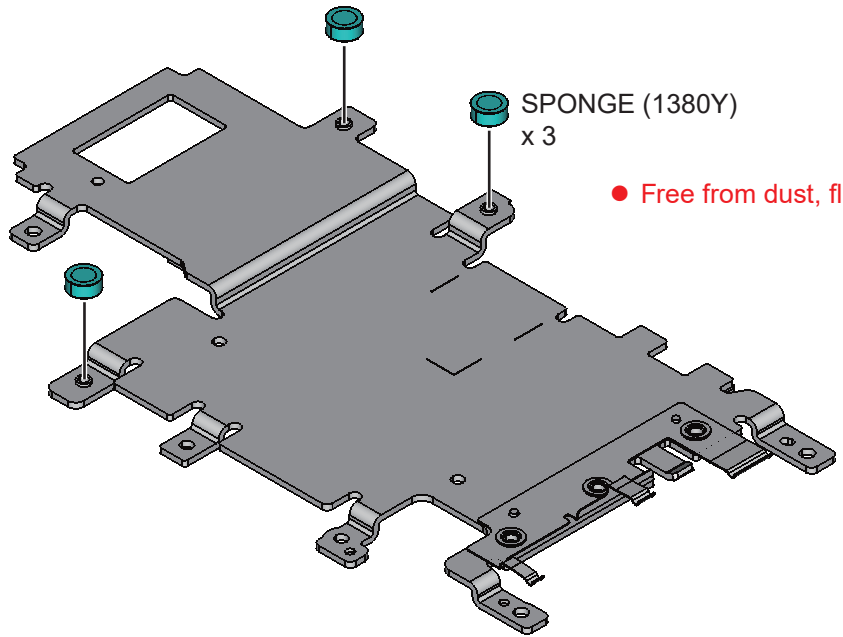
BATTERY BOX UNIT



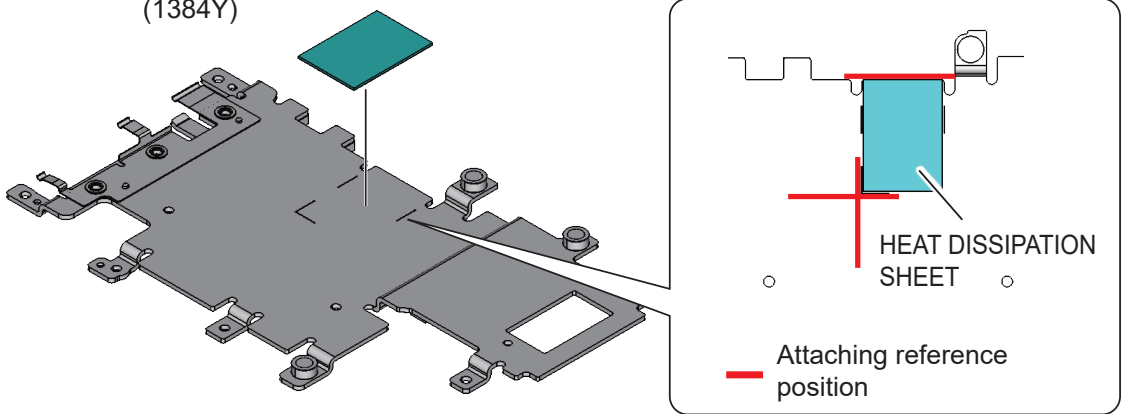




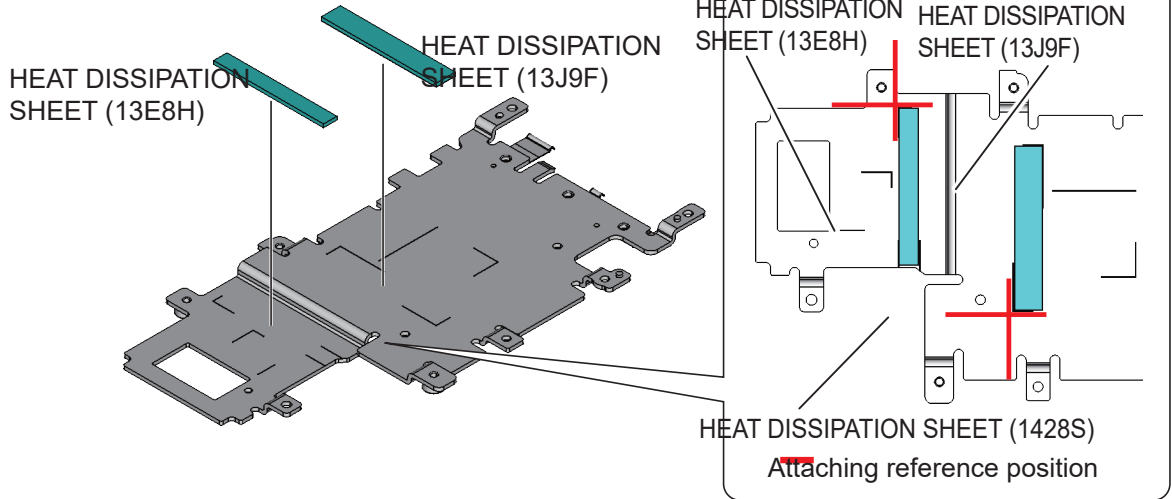
HEAT SINK



HEAT DISSIPATION SHEET (1384Y)

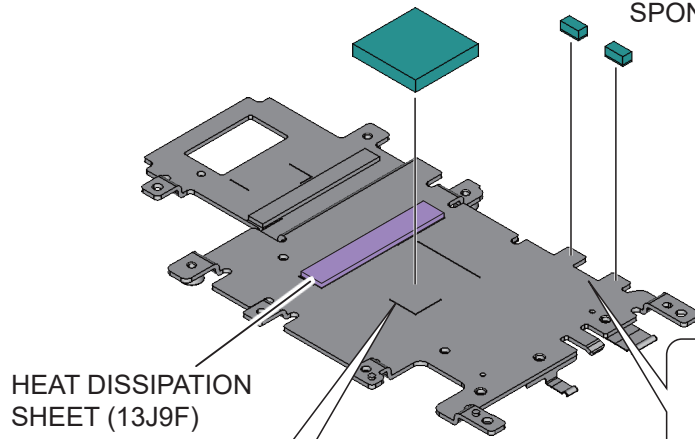


HEAT DISSIPATION SHEET (1428S)

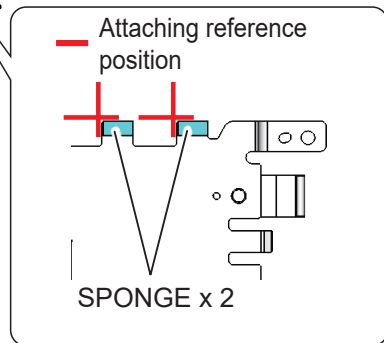
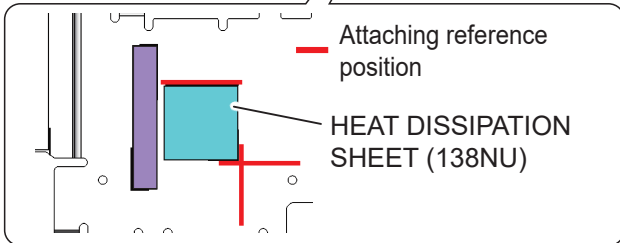


HEAT DISSIPATION SHEET (138NU)

SPONGE (13W4W) x 2



HEAT DISSIPATION SHEET (13J9F)

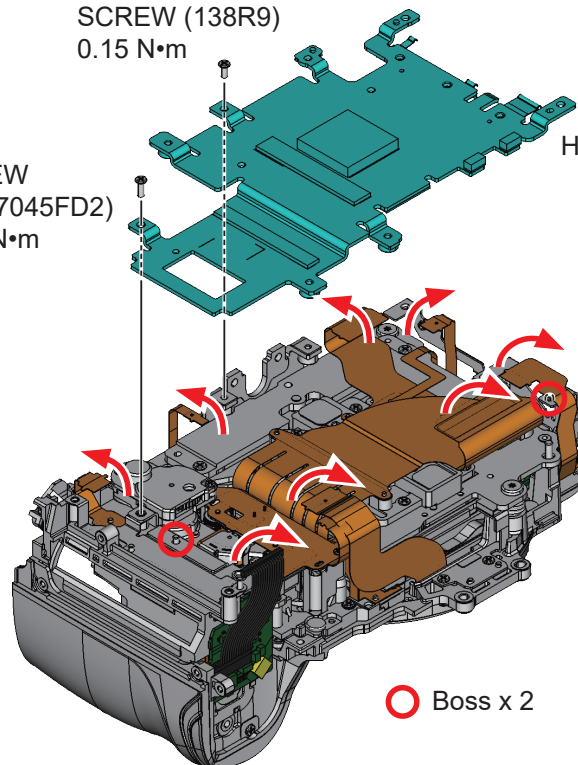


Non-reusable SCREW

SCREW (138R9)
0.15 N•m

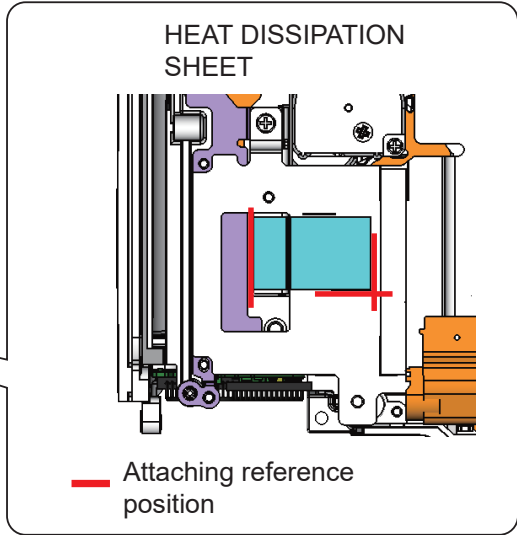
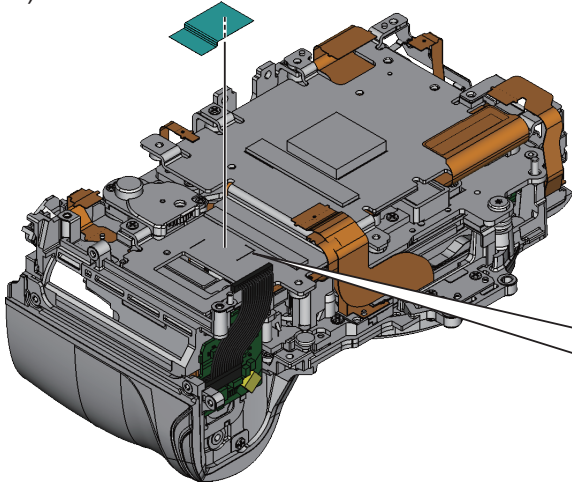
SCREW (6A-17045FD2)
0.15 N•m

HEAT SINK (13J86)

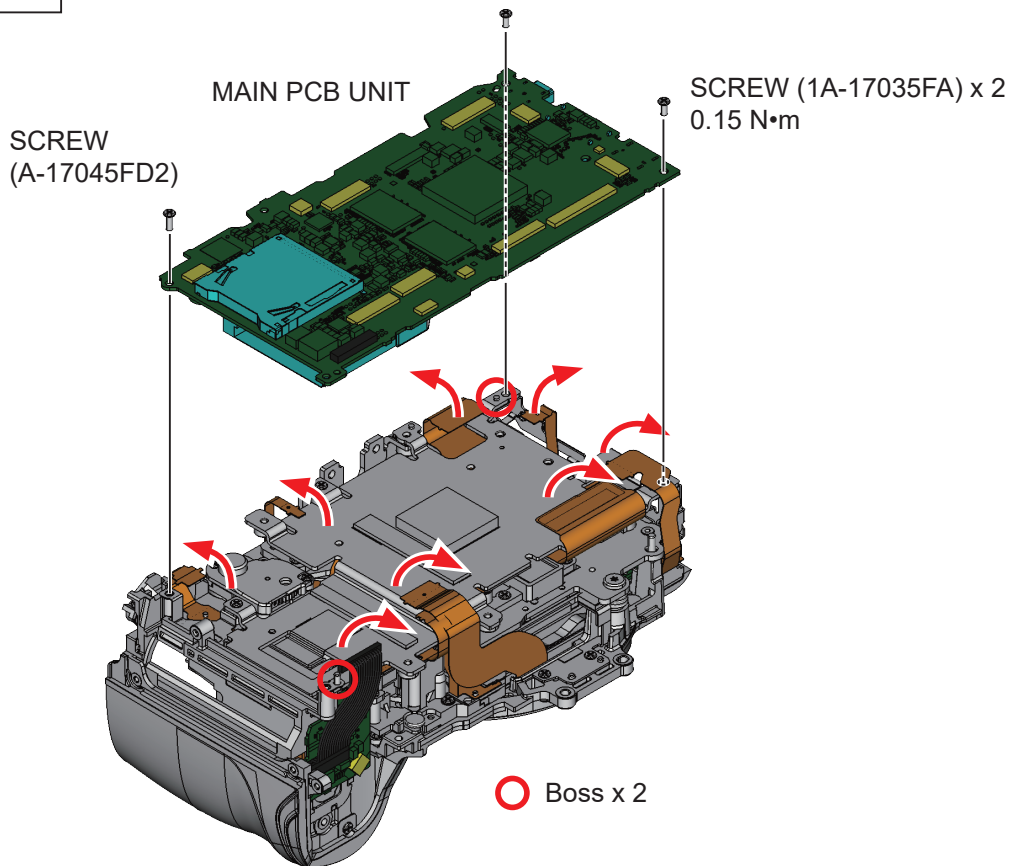


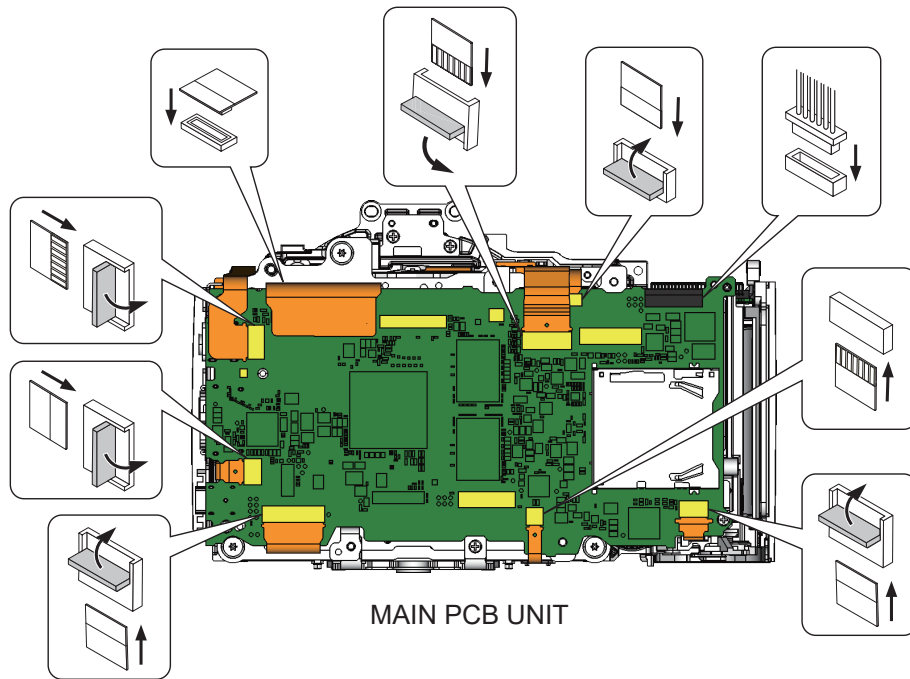
HEAT DISSIPATION SHEET
(13E8J)

Non-reusable part



MAIN PCB UNIT



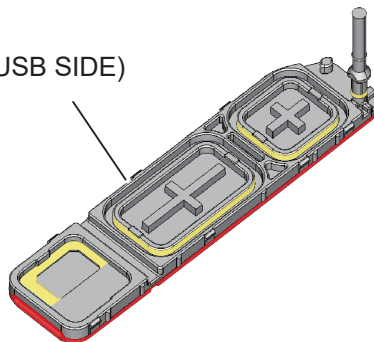


IF COVER UNIT

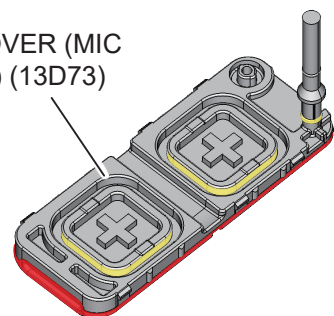
OS-30P

● Do not apply to the red area.

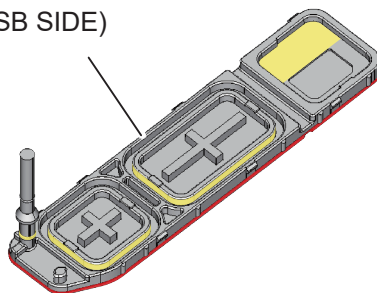
IF COVER (USB SIDE)
(13D72)



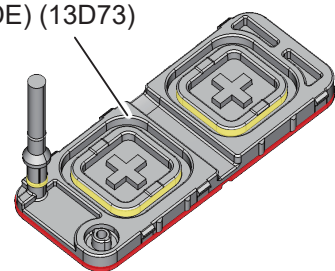
IF COVER (MIC SIDE)
(13D73)

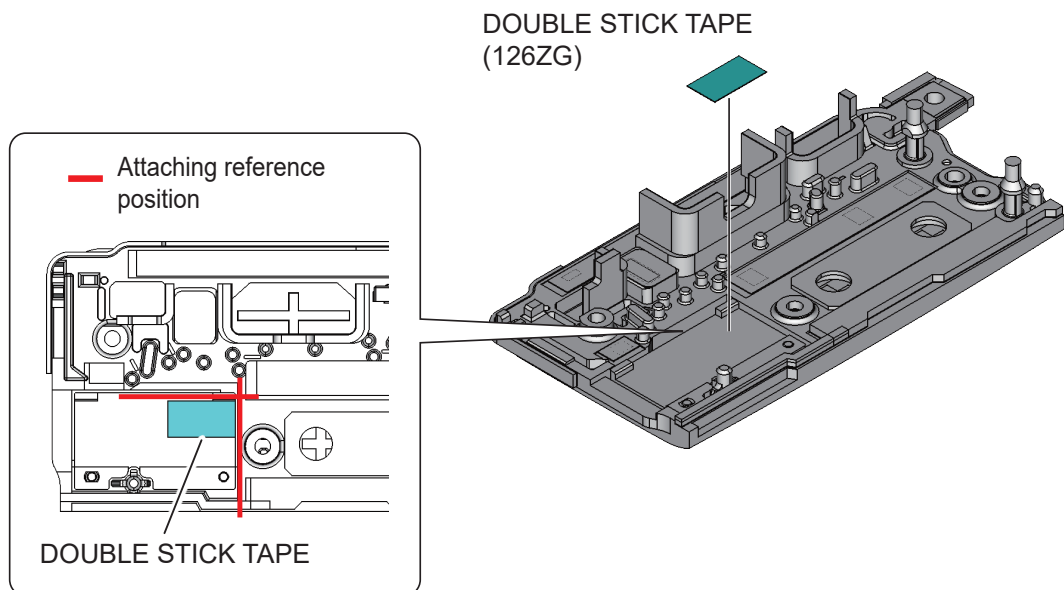
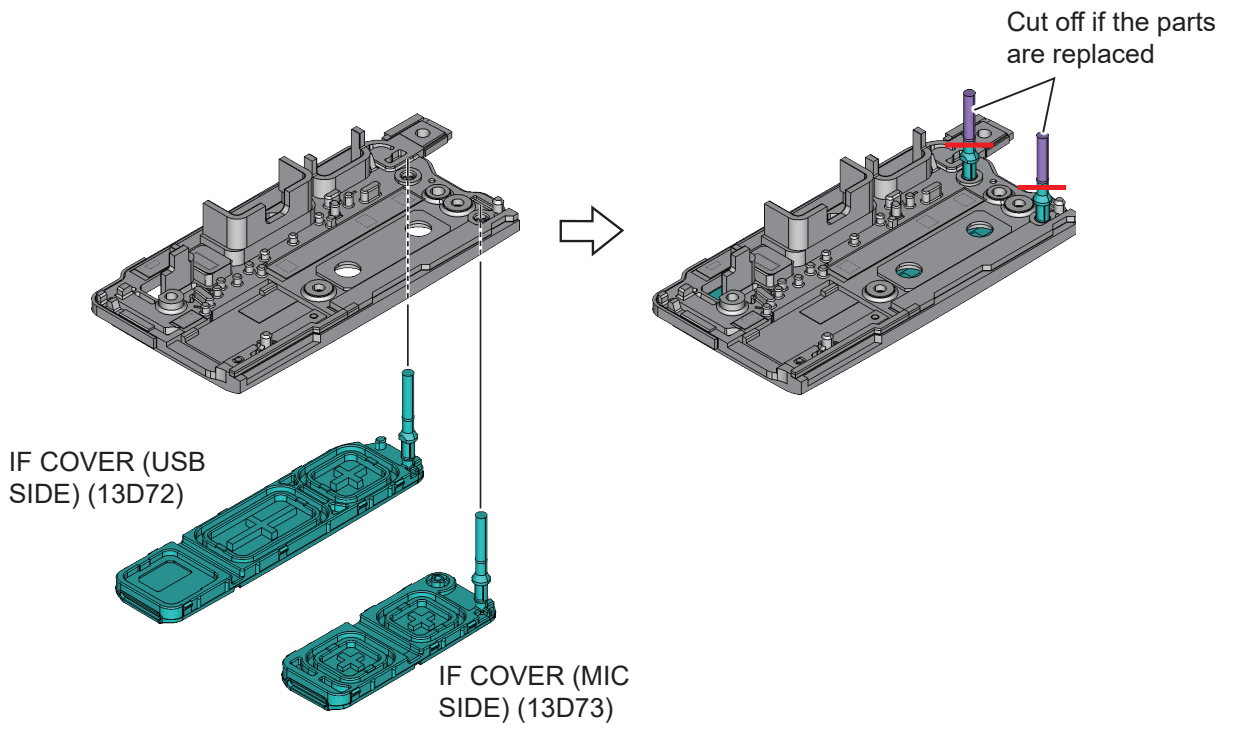


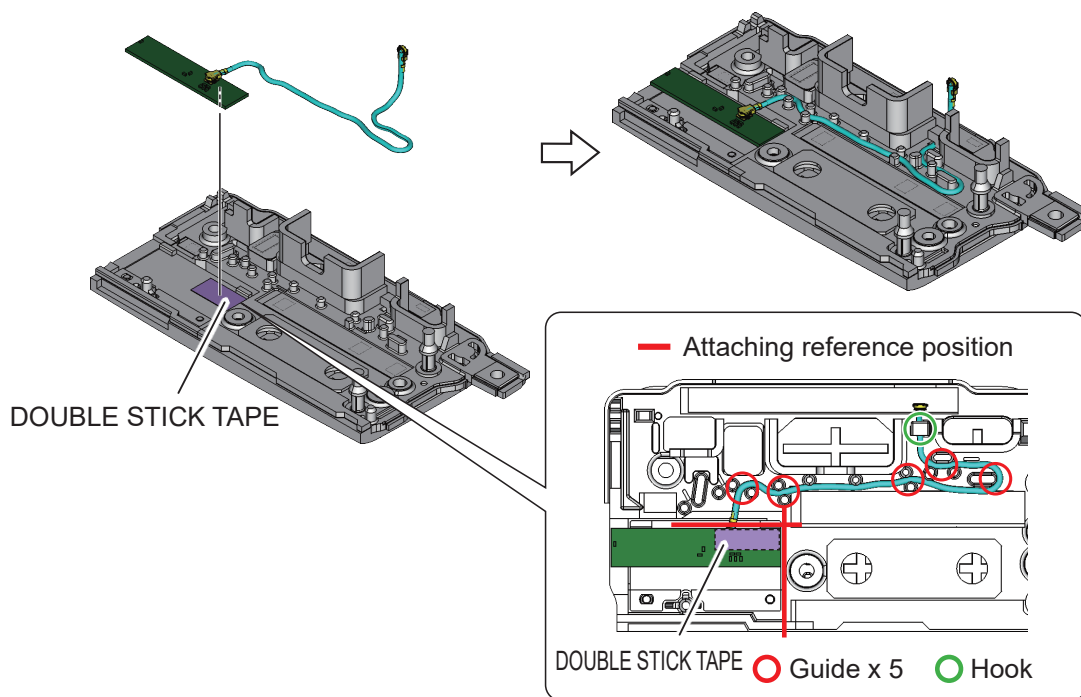
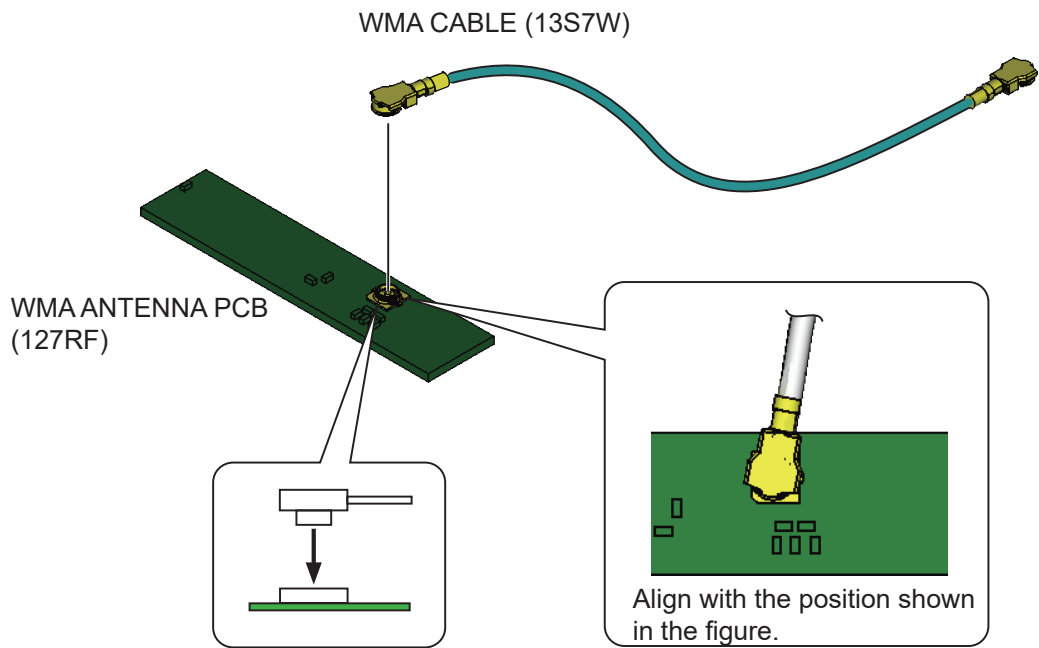
IF COVER (USB SIDE)
(13D72)

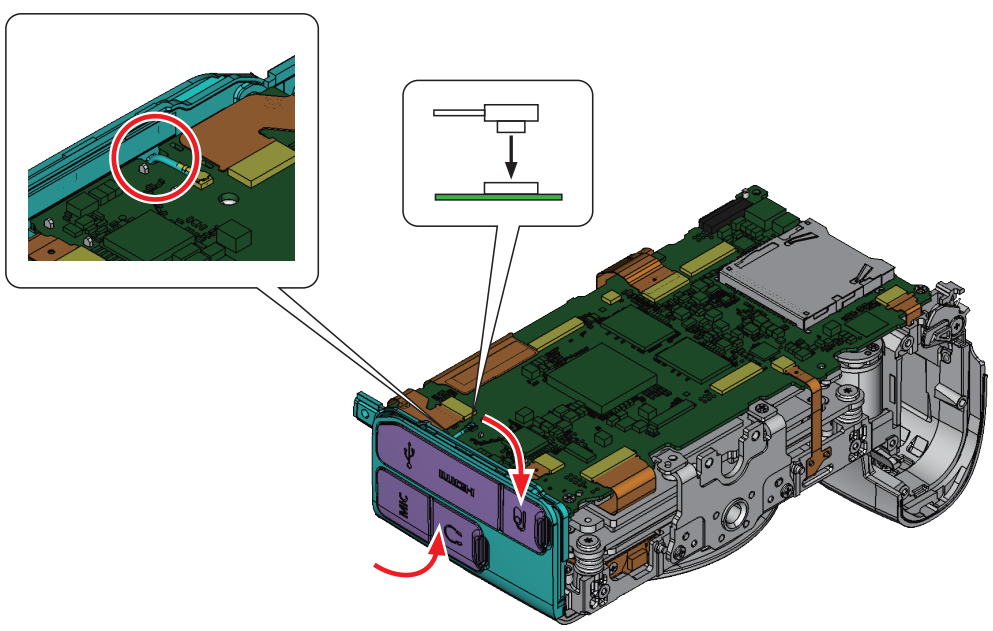
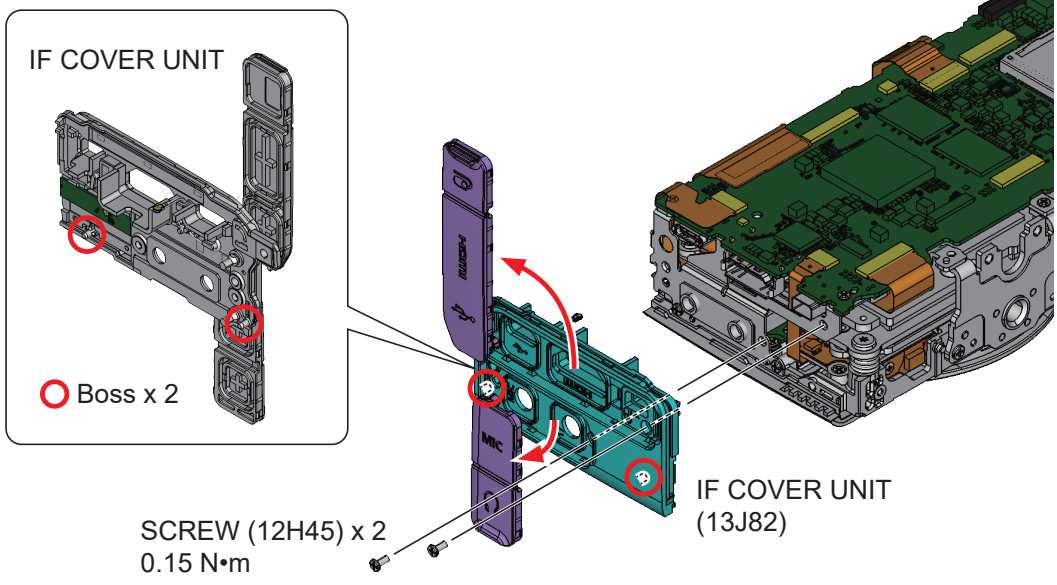


IF COVER (MIC SIDE)
(13D73)

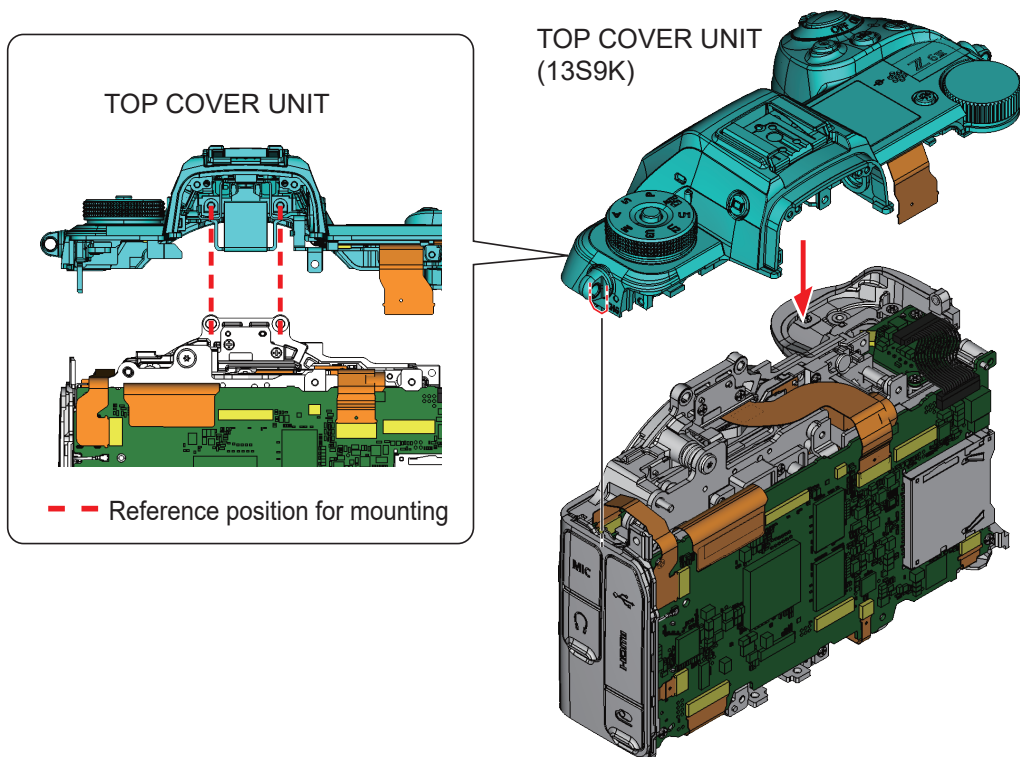
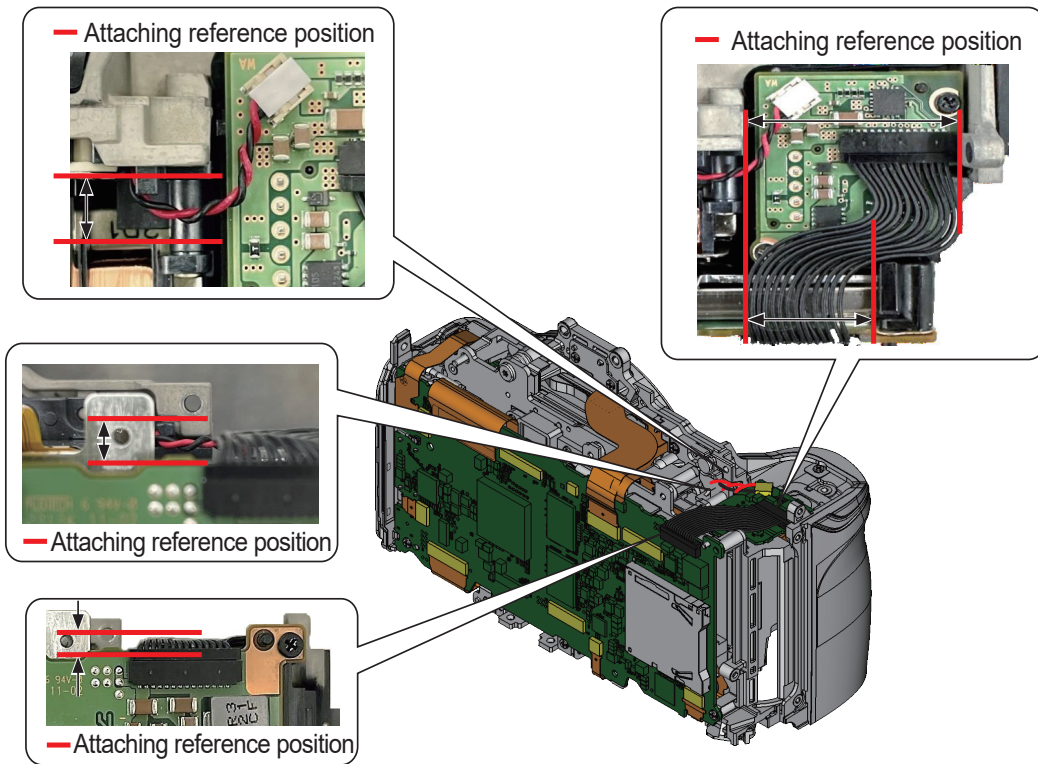


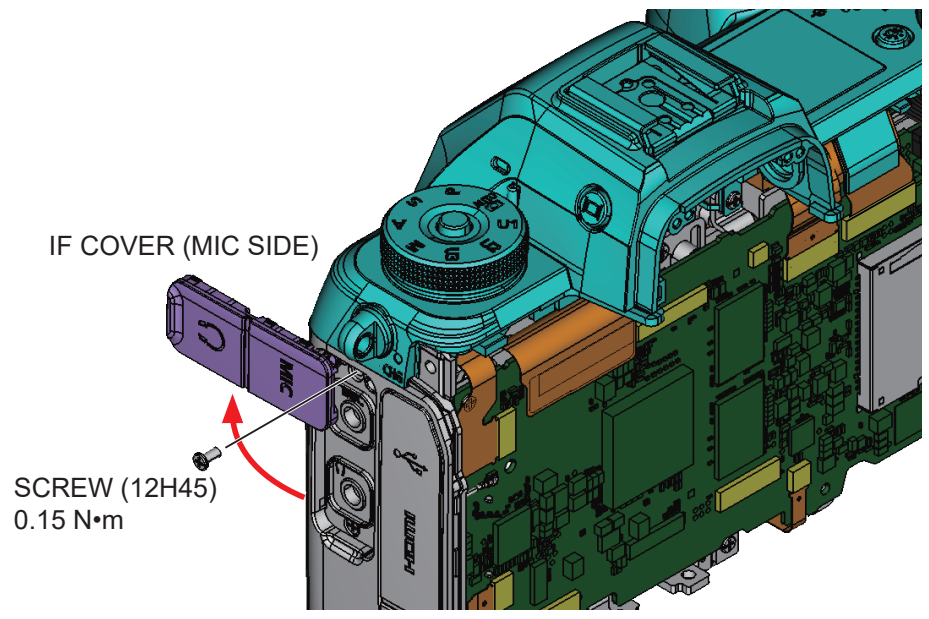
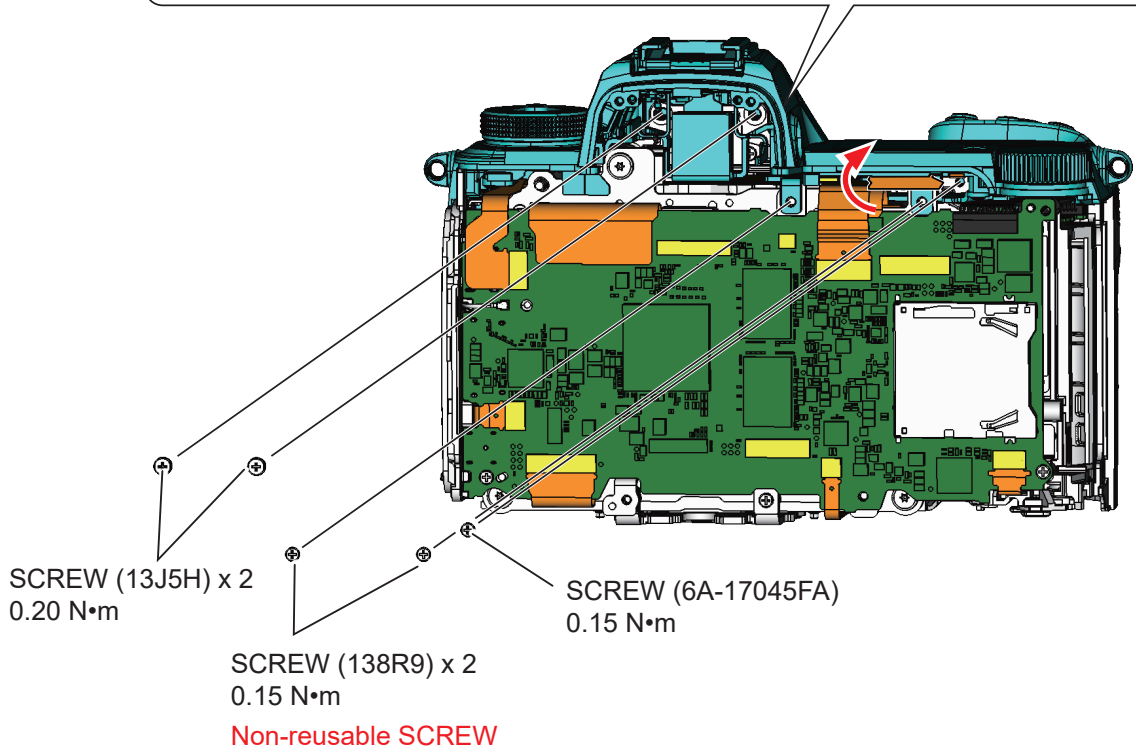
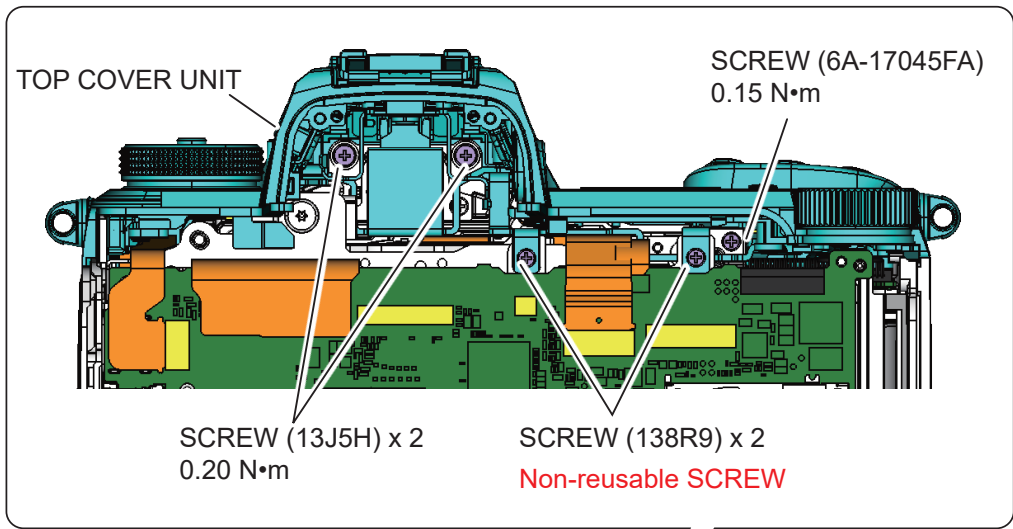


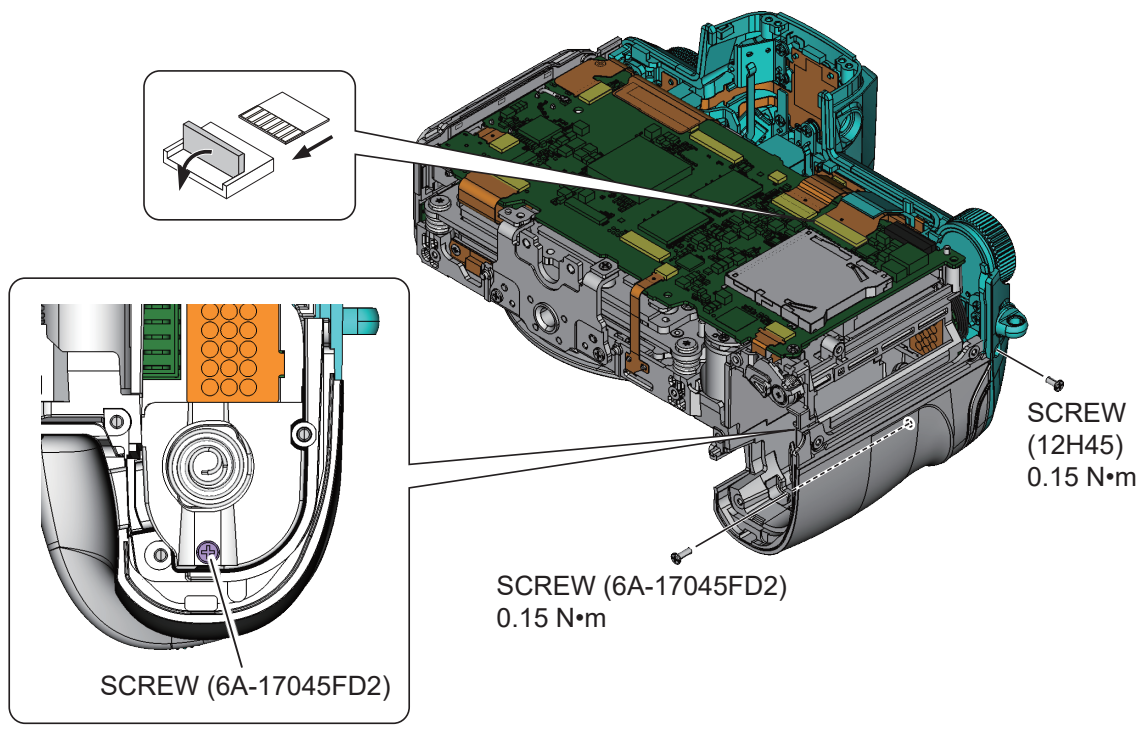




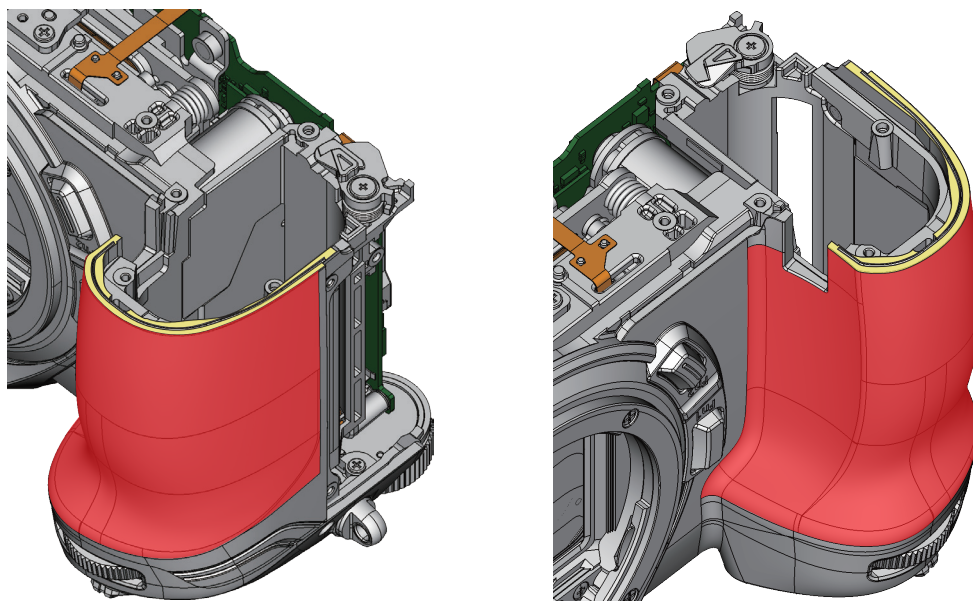
TOP COVER SECTION



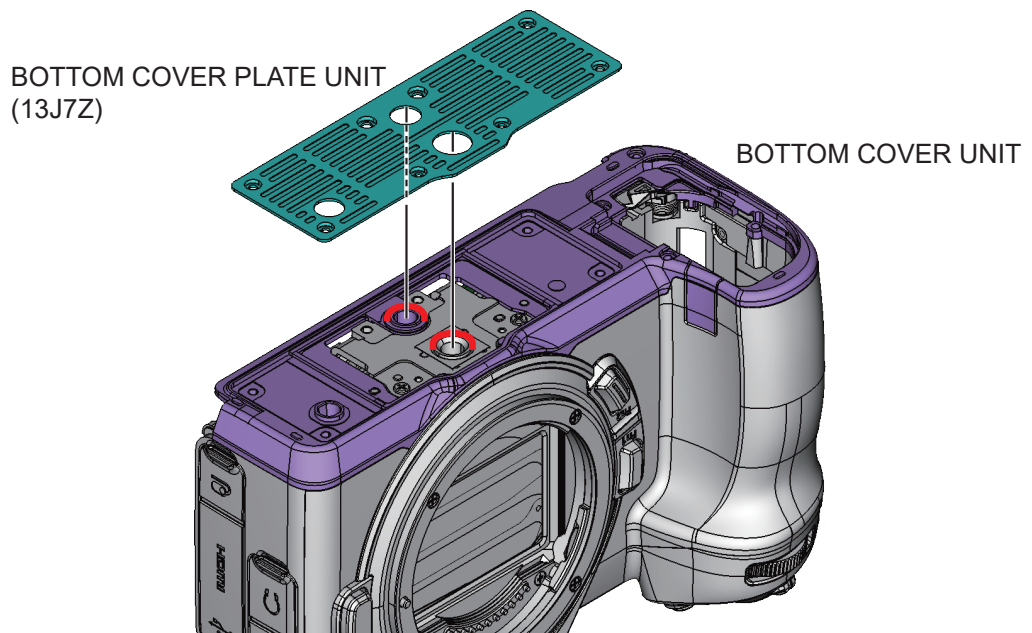
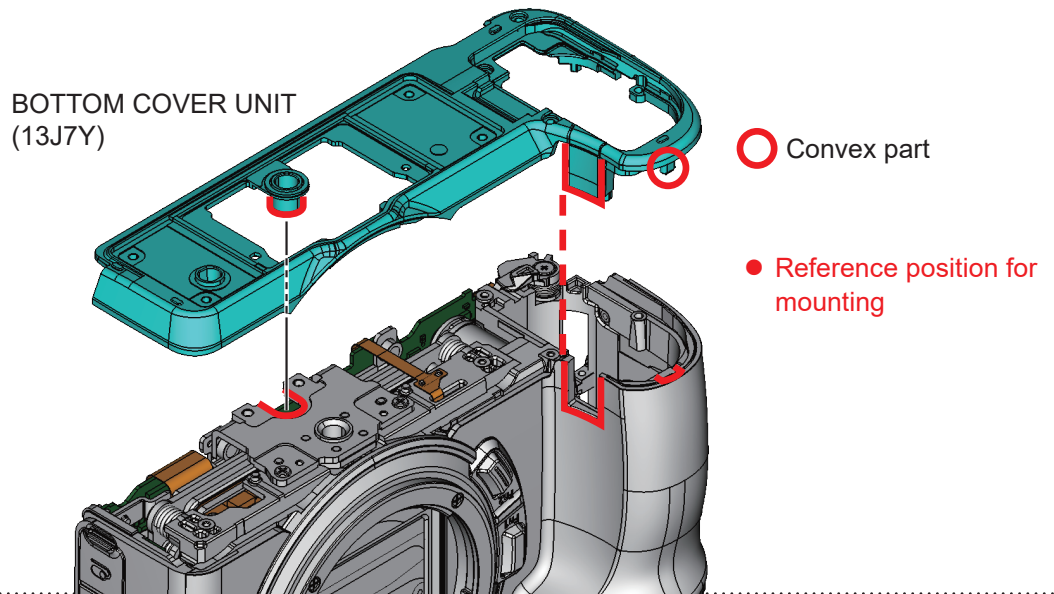
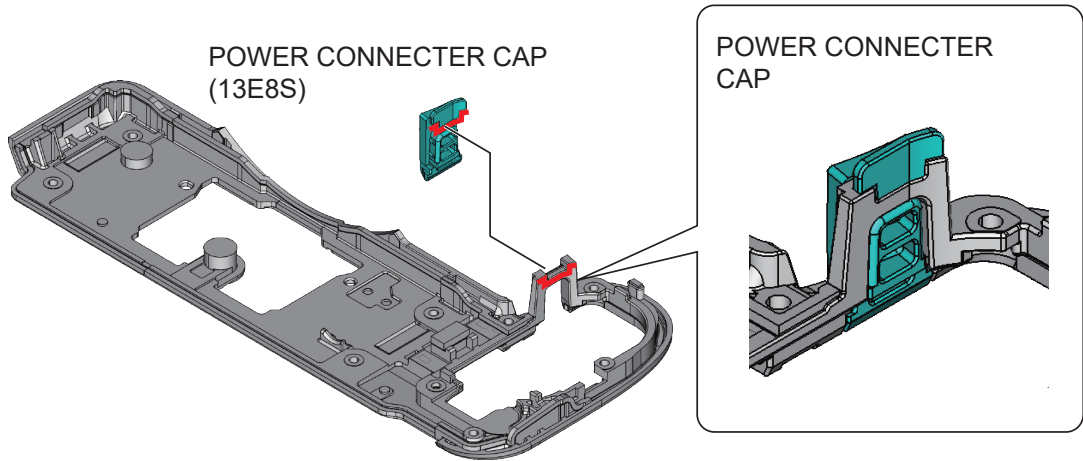


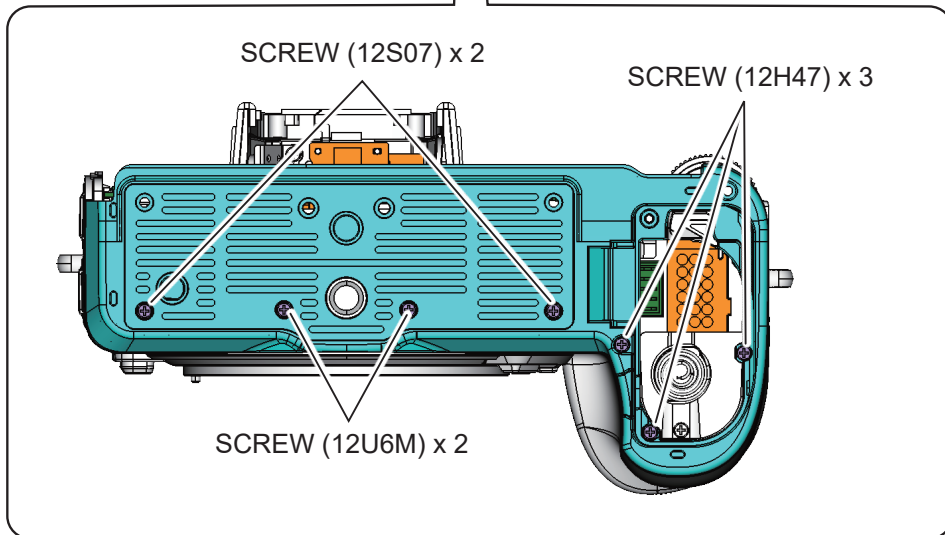
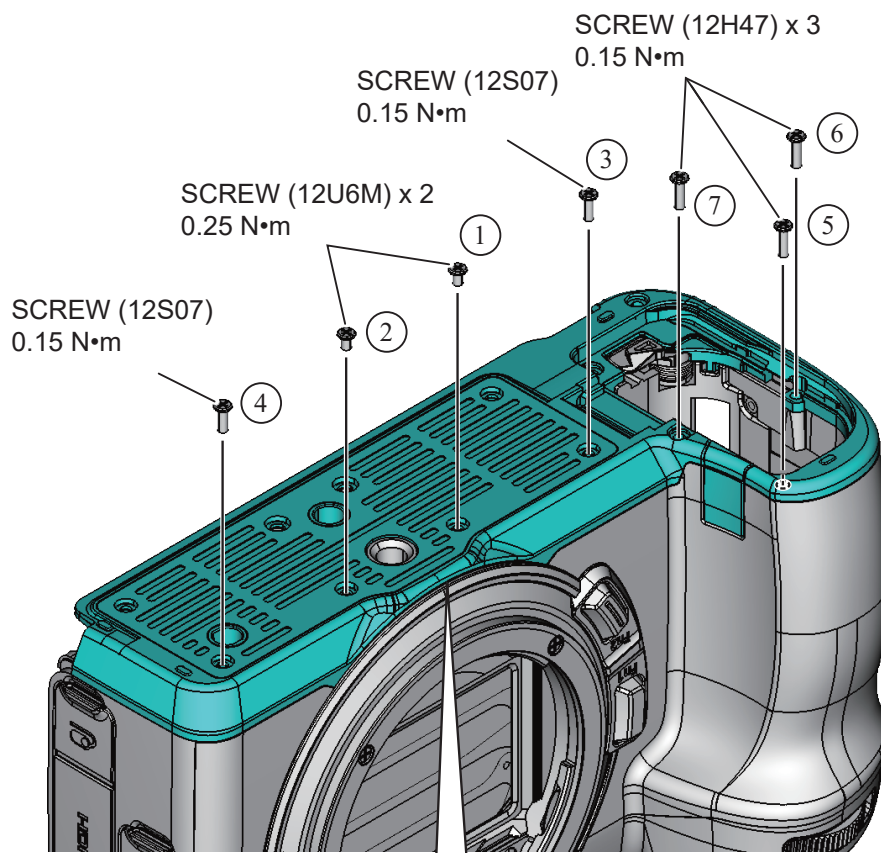


OS-30P ● Do not apply to the red area.

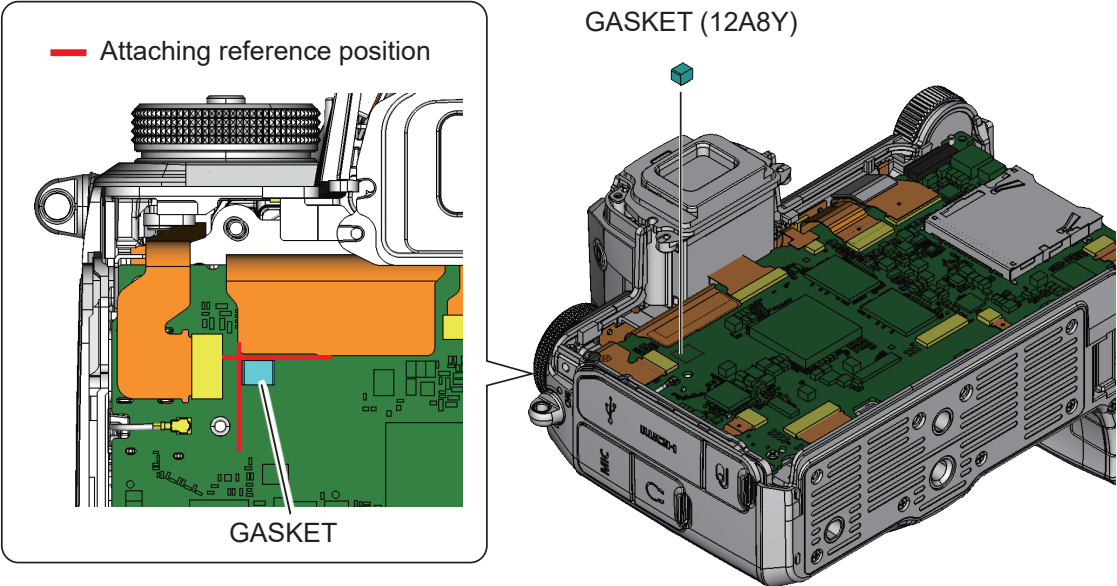
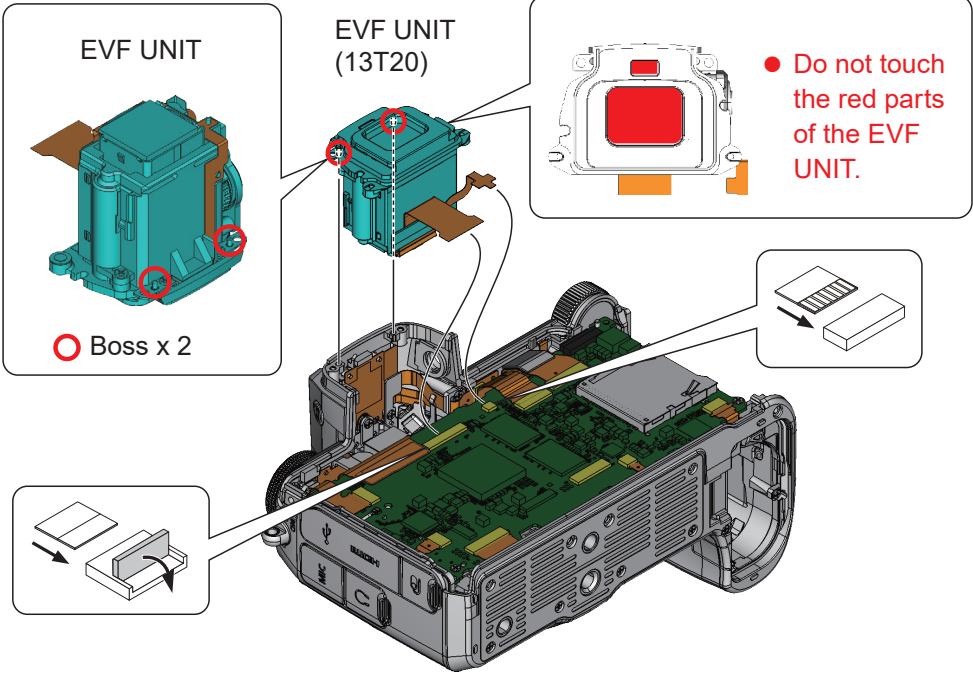


BOTTOM COVER

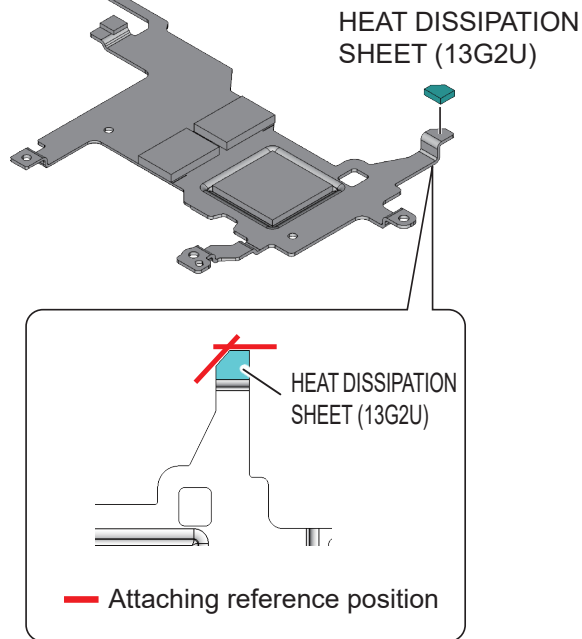
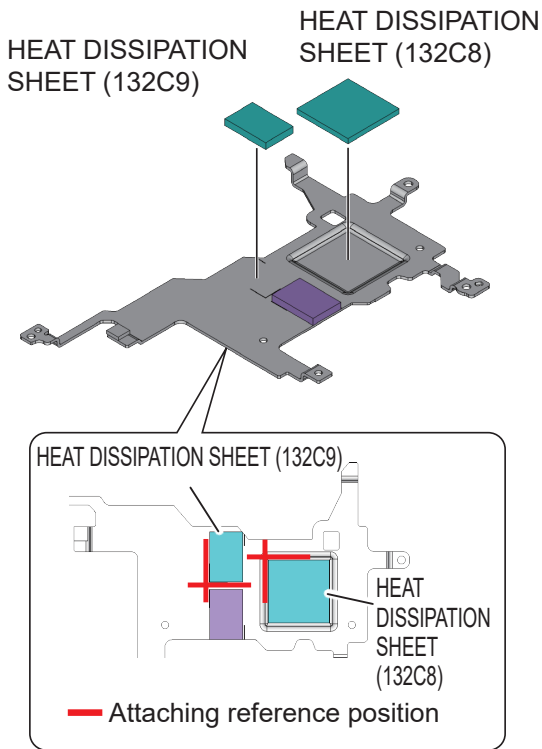
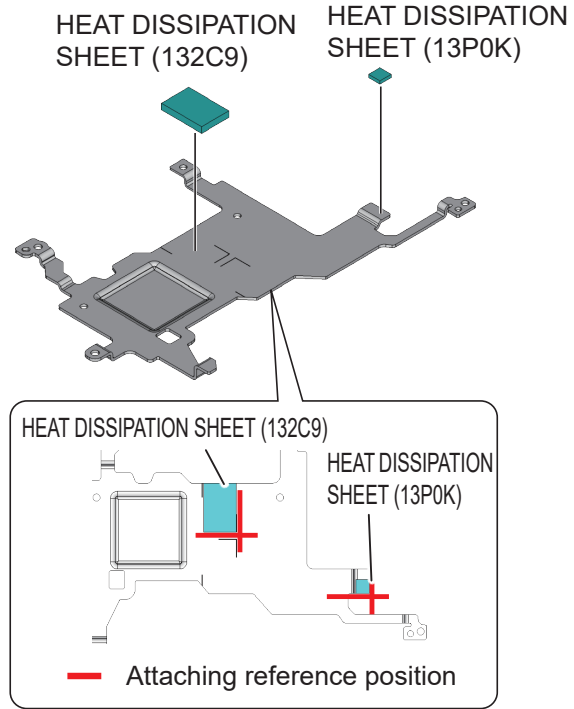
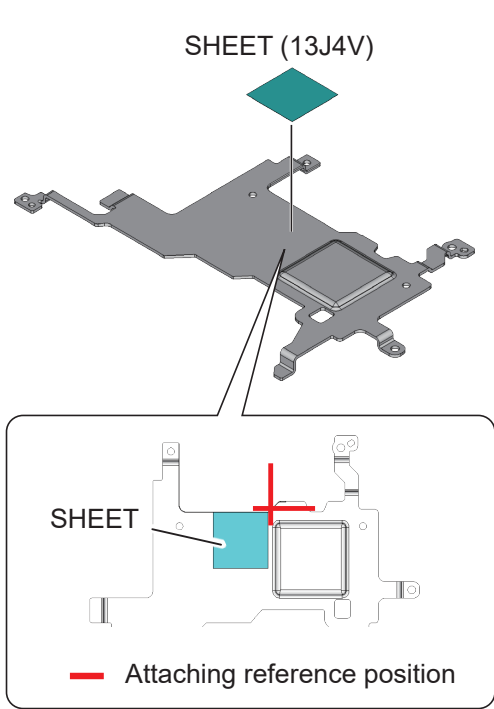


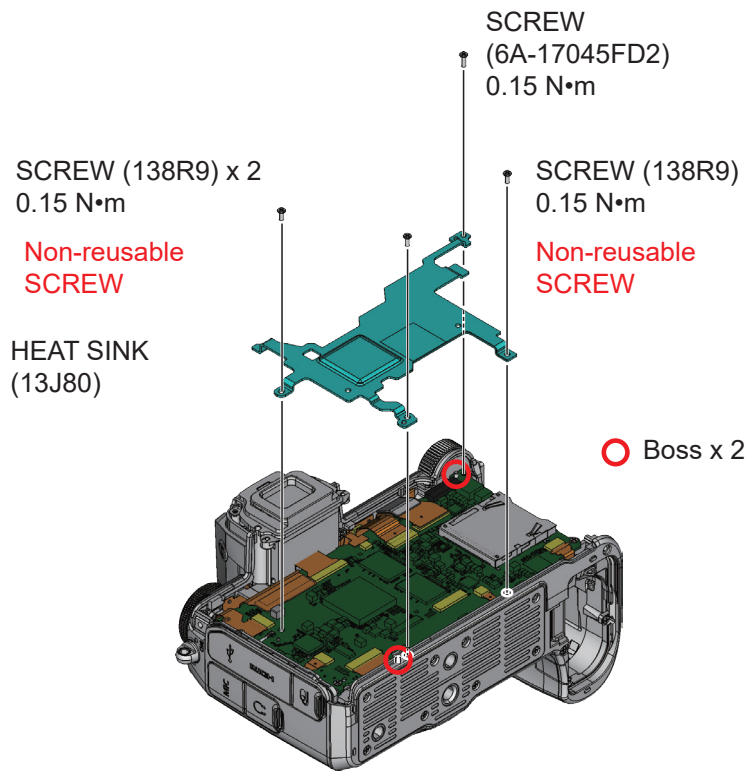


EVF UNIT

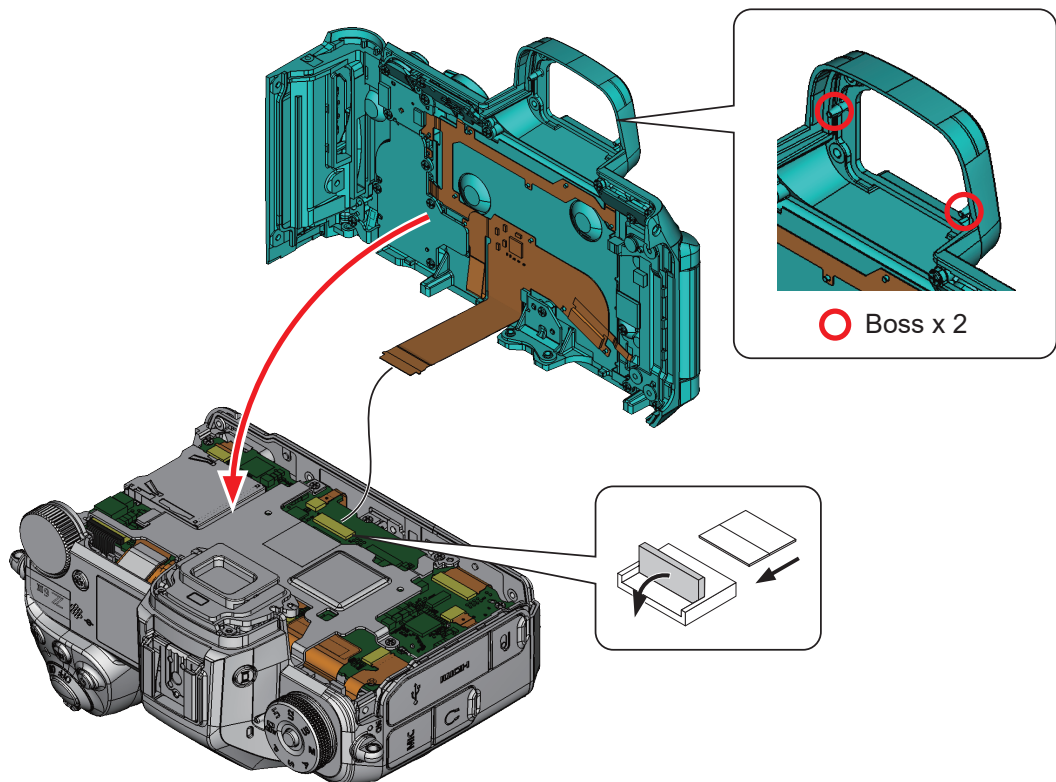


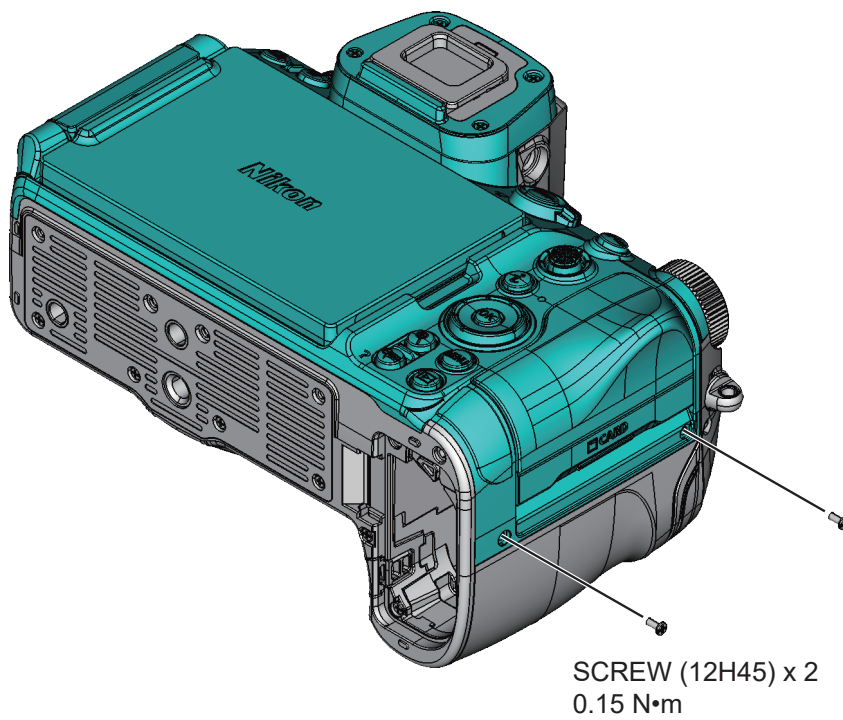
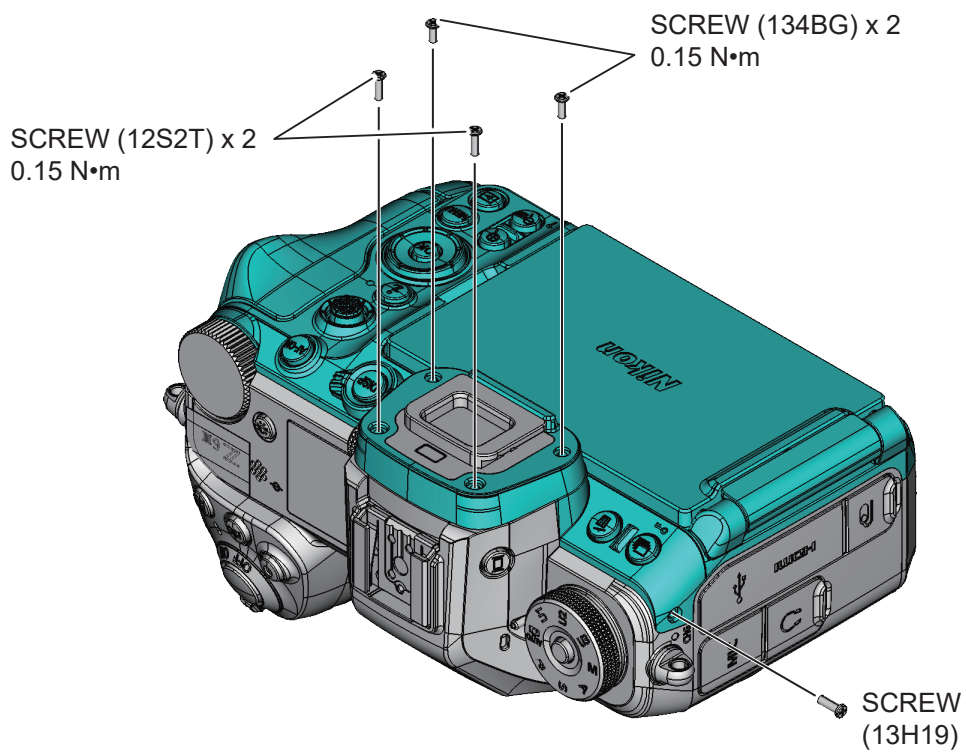
HEAT SINK

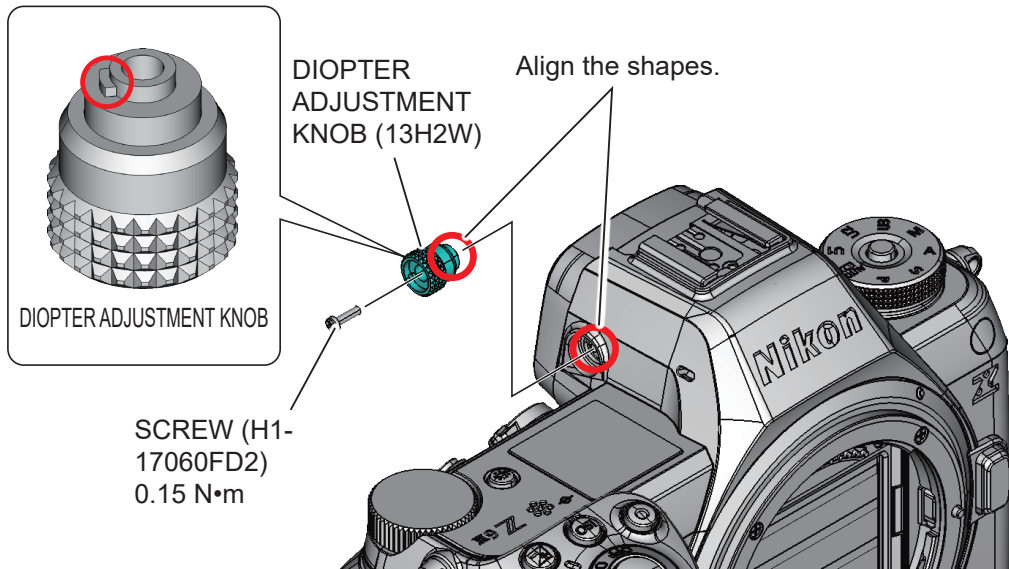
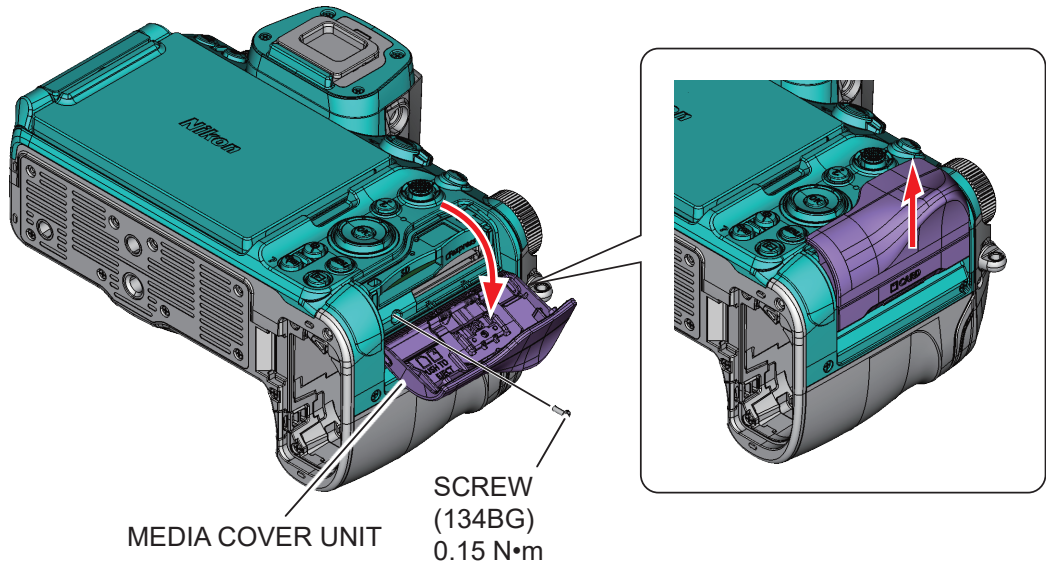


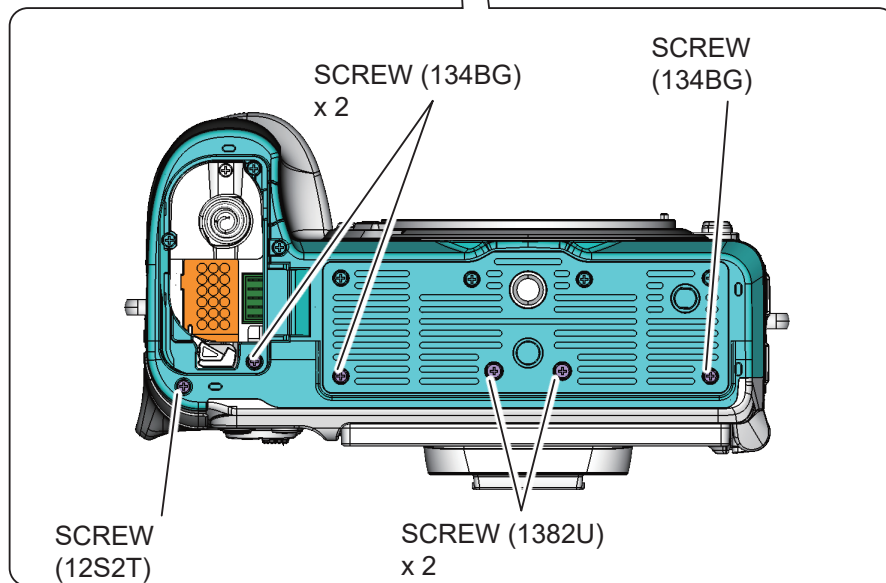
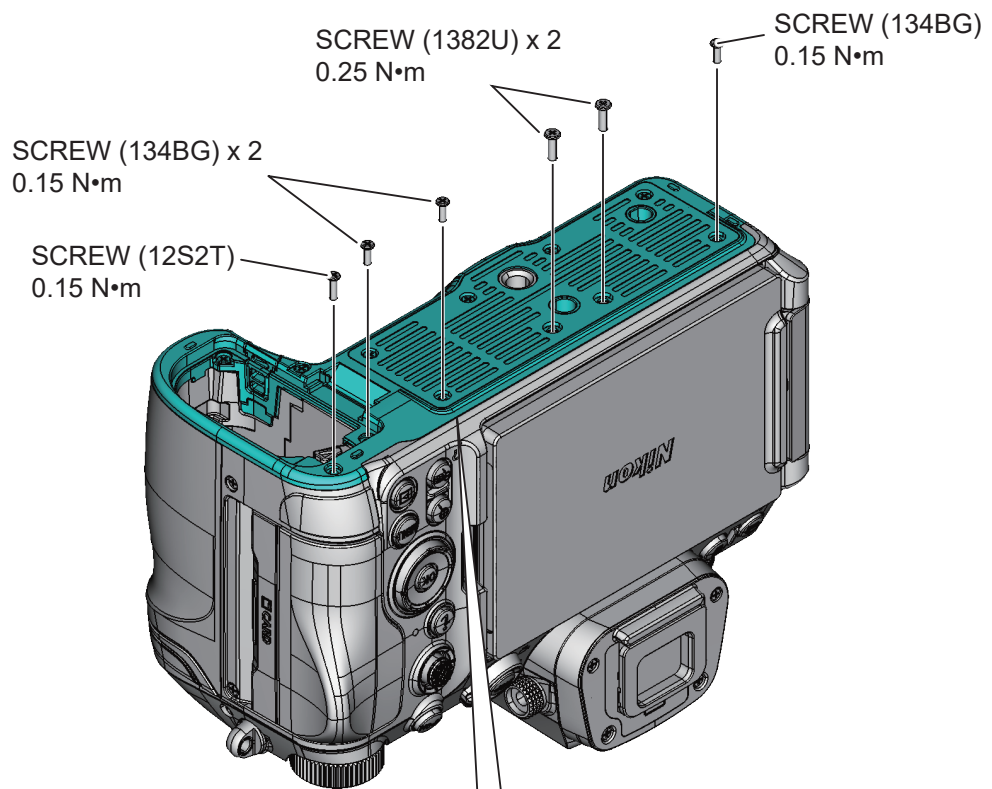


REAR SECTION

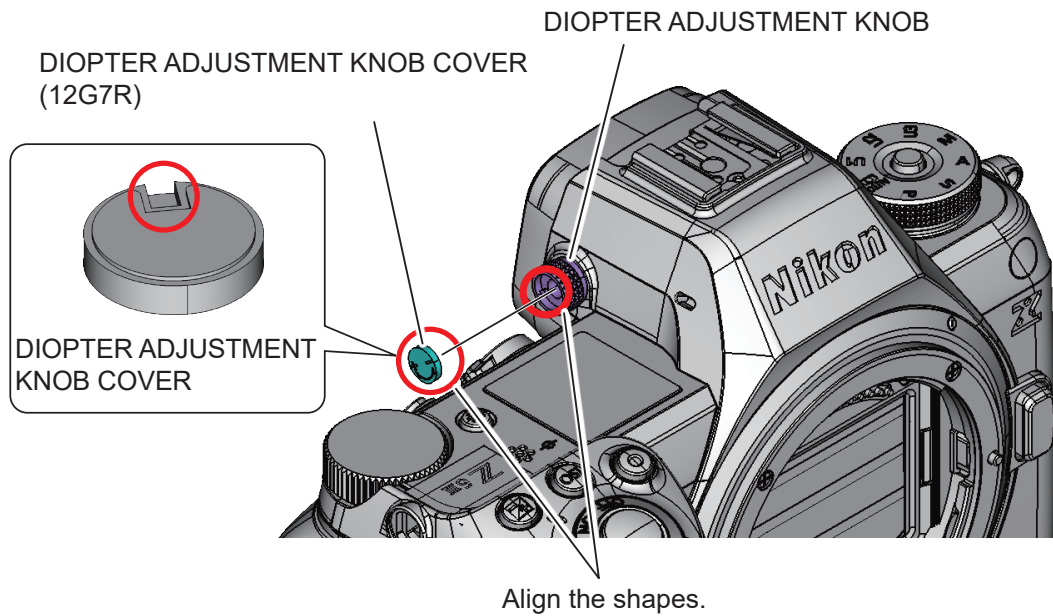




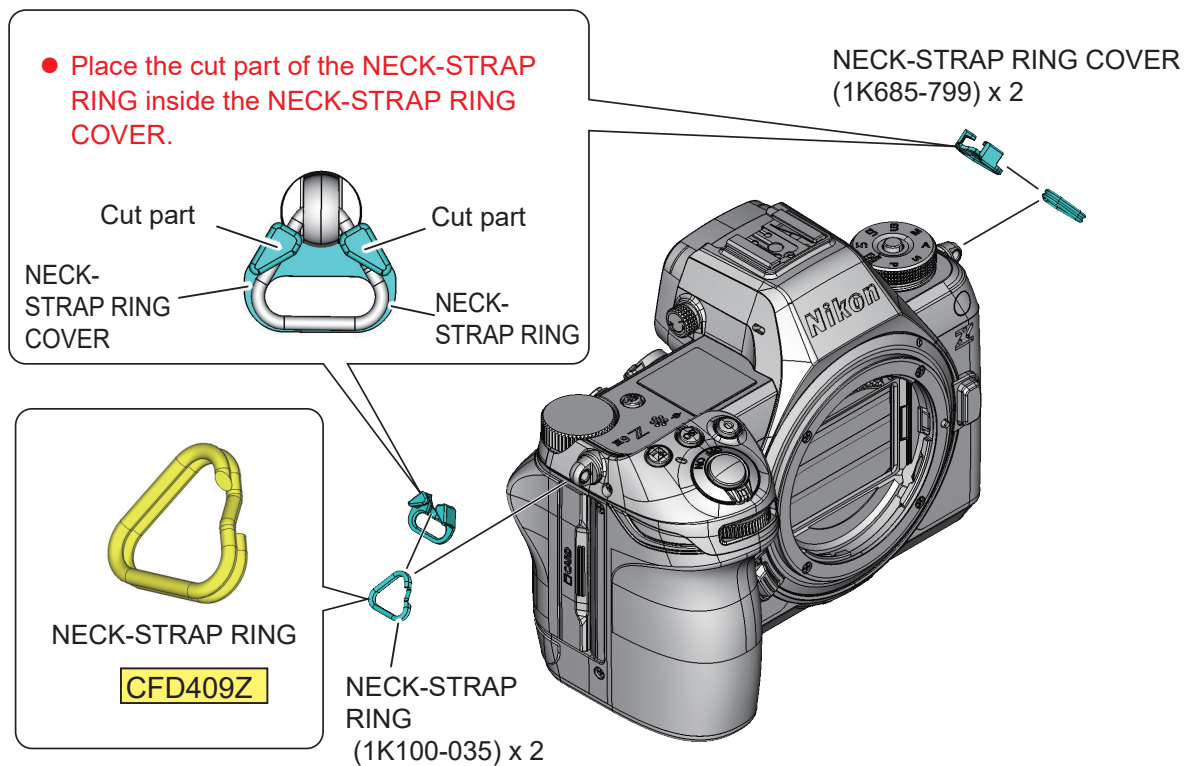




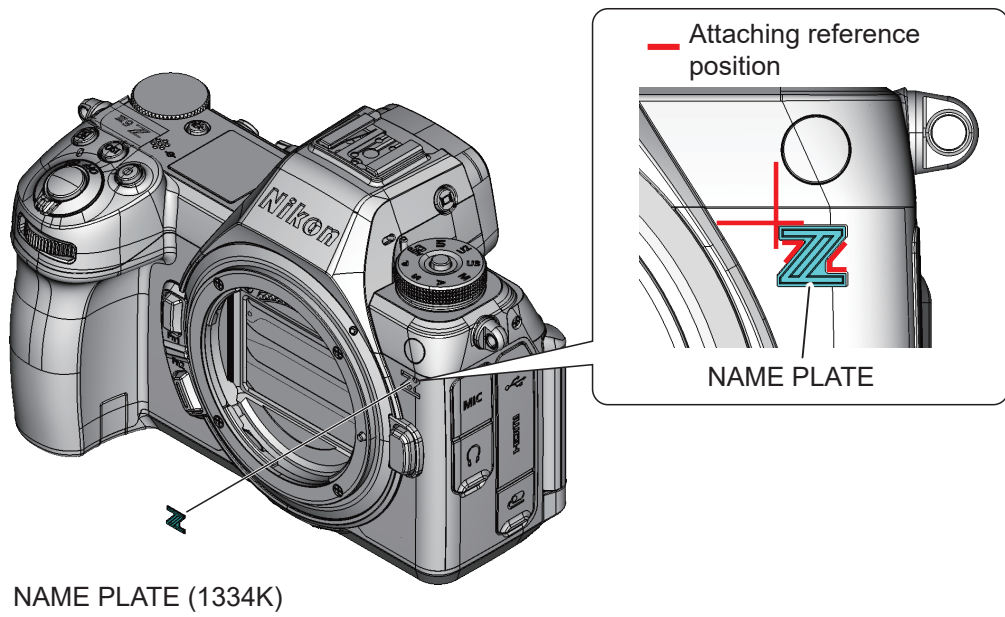
6. Exterior Section



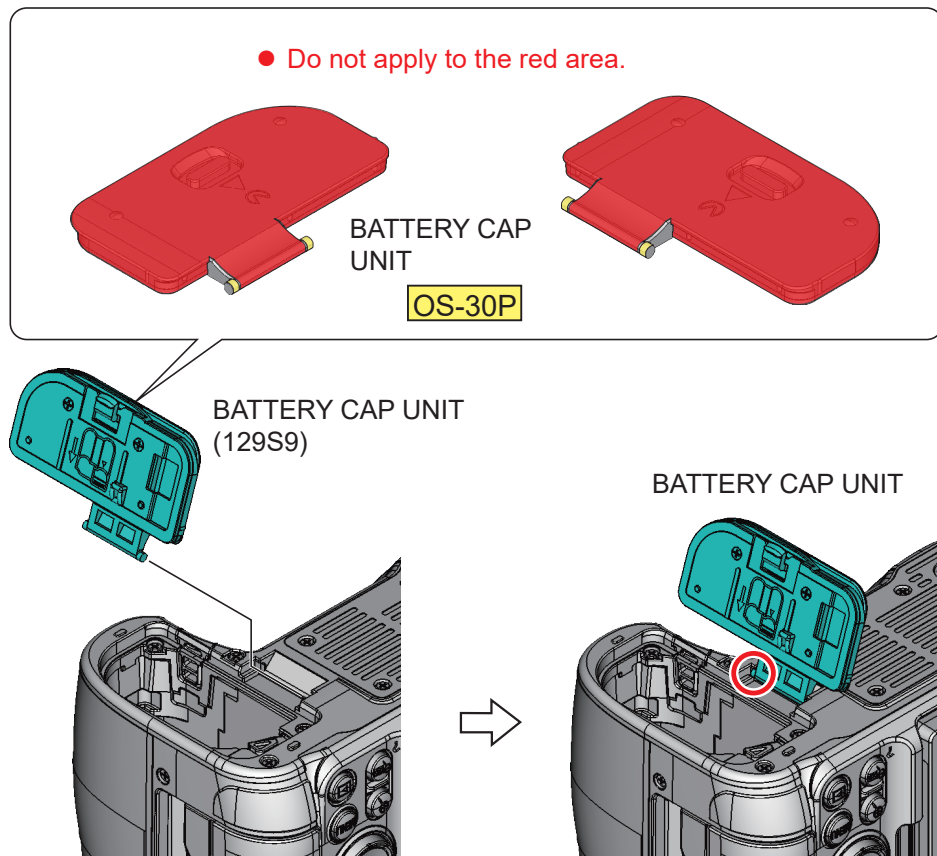
NECK-STRAP RING



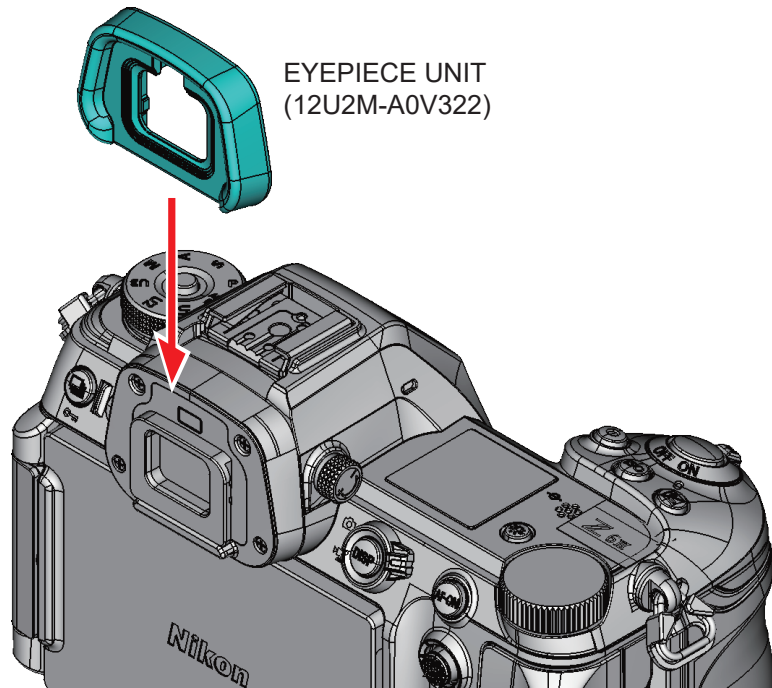
NAME PLATE



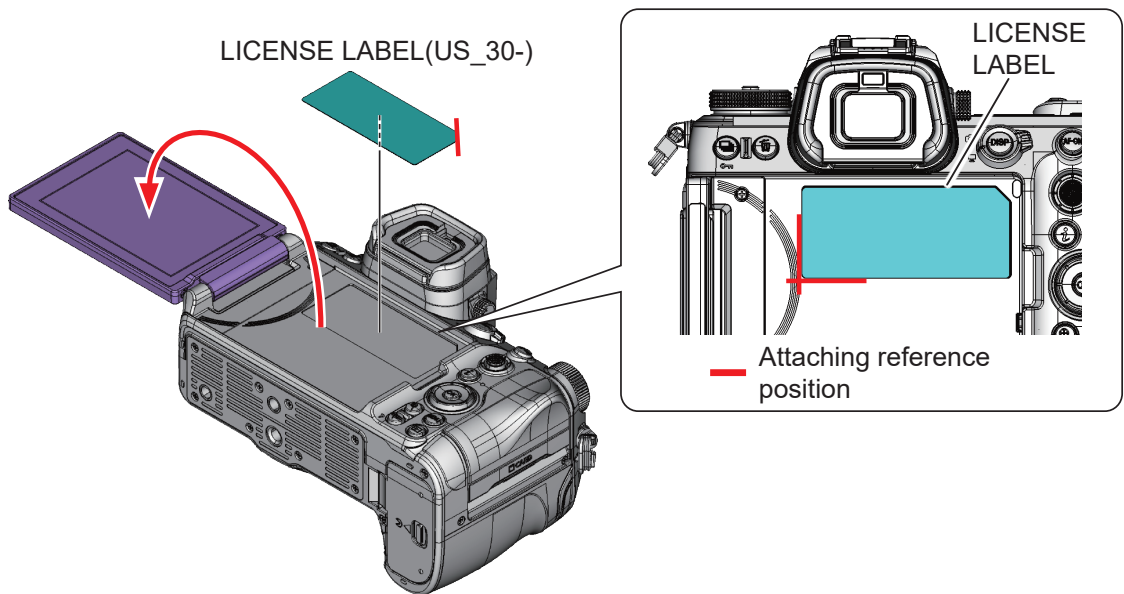
BATTERY CAP UNIT



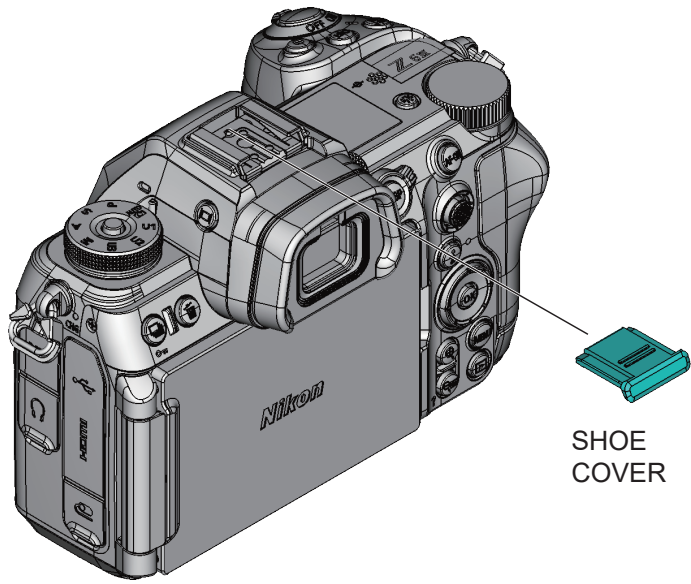
EYEPIECE UNIT



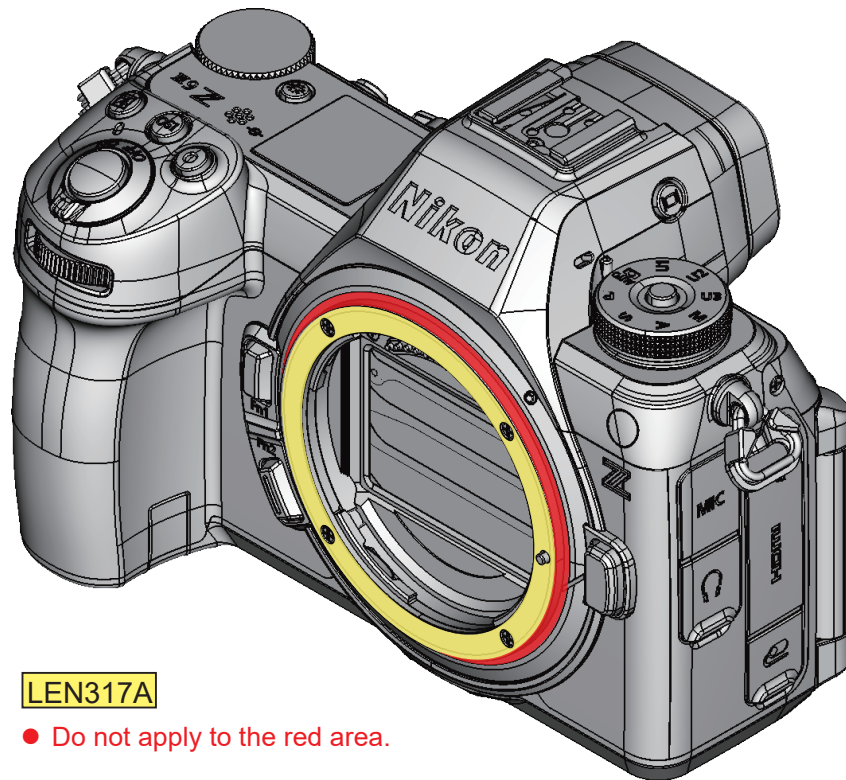
LICENSE LABEL(US_30-)



SHOE COVER



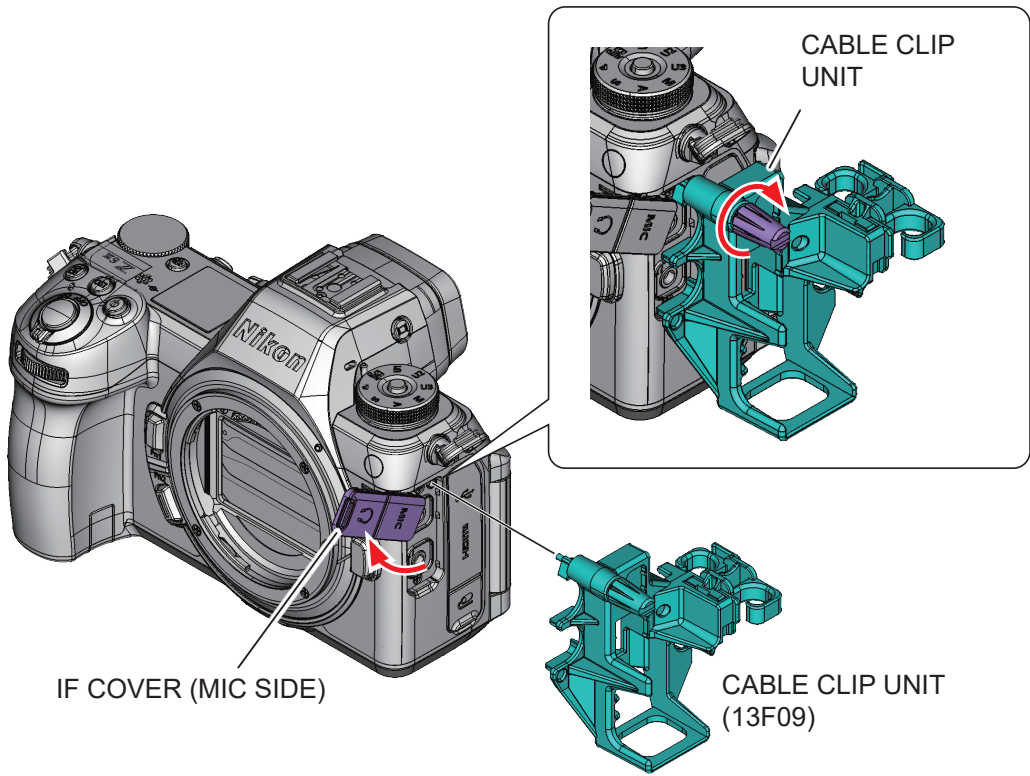
SHOE COVER



LEN317A

- Do not apply to the red area.

CABLE CLIP UNIT



Switch Inspection Process

Tools and parts required:

- Your mirrorless camera

Switch inspection

Follow the steps below to perform a switch inspection.

Inspection procedure

1 Check the switch

Operate the all switches of camera and check whether the assigned function is working.

IMPORTANT

- If any switches do not work properly, we recommend that you disassemble and repair the product again

AF Accuracy Inspection Process

When performing repairs that involve disassembling and reassembling your camera, check the AF accuracy before and after disassembling.

Tools and parts required:

- Your mirrorless camera
- Tripod
- Indoor lighting (Use the flickerless light.)
- Commercially available focus chart that can measure the focus position
 - Focus charts can be purchased at stores that sell camera-related products or online stores that sell camera-related products.
 - Nikon hereby disclaims all responsibility and liability for any focus charts or other items purchased from third party retailers.

Camera settings

- The AF accuracy is inspected using your own mirrorless camera, so please make sure that there are no abnormalities in the operation of your camera before starting the inspection.
- When performing an inspection, change the camera settings as shown below.
- Be sure to turn **OFF** "AF Fine Adjustment" as it affects the inspection results.

Set the camera as follows.

For details on the camera settings, refer to the instruction manual of the camera.

Camera settings

- Shooting mode: A mode
- Image quality mode: FINE
- Image size: L
- Aperture: Full open
- ISO sensitivity: 100 to 800 (Automatic sensitivity control OFF)
- White balance: Auto (White priority)
- Picture control: SD (All parameters 0, or clarity 1 or 2)
- AF mode: AF-S
- AF area: Single point AF
- Active D-Lighting: OFF

- Diffraction correction: ON
- Automatic distortion correction: ON
- Vignette control: Standard
- Body VR: OFF
- Exposure delay mode: one to two seconds
- AF fine adjustment: OFF

Shooting environment

Install the camera/lens and chart, referring to the figure below.

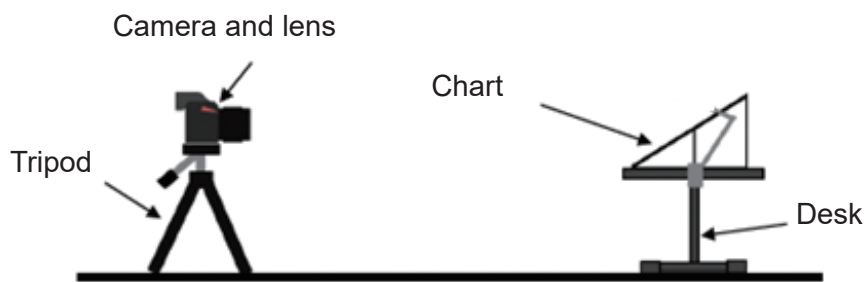
Shoot in a location that meets the following requirements:

- Place that is not affected by vibrations
- Place where the brightness can be ensured under indoor lighting.

(Please use flickerless lights.)

Example of shooting environment

The measurement method with a focus chart differs depending on the focus chart you use, so please check the instruction manual for the focus chart you are using.



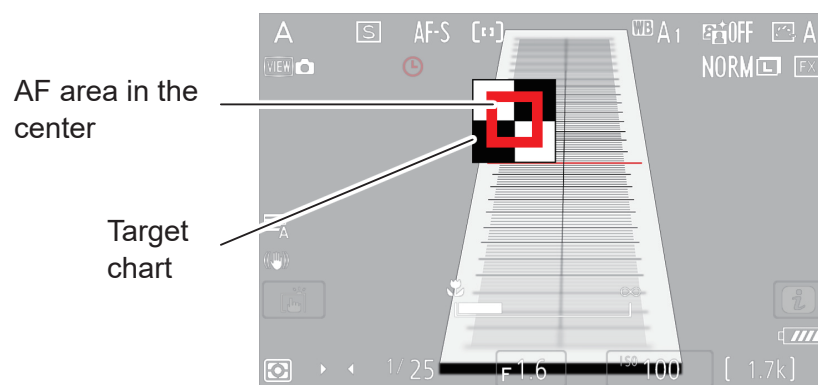
AF accuracy inspection

Follow the steps below to inspect the AF accuracy.

Inspection procedure

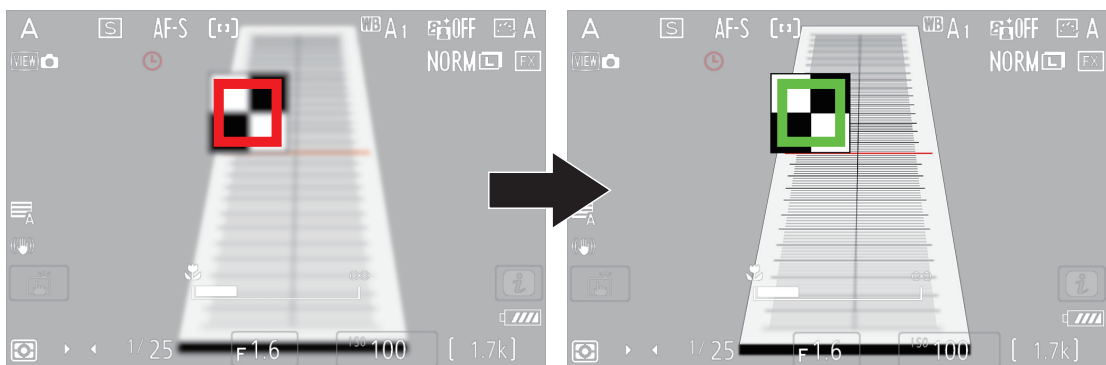
1 Adjust the camera position

1. Adjust the shooting distance so that the entire focus chart is displayed on the screen as shown in the image below.
 - Adjust the position so that the AF area in the center of the camera is aligned with the center of the target chart.



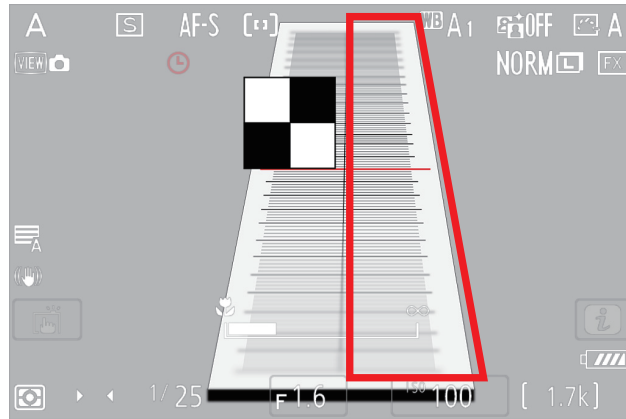
2 Check the focus

1. Turn the lens control ring clockwise viewed from the camera to change the focus to the infinity position.
2. Press the release button halfway and check that the chart is in focus.



3 Shoot the chart

1. Press the release button to shoot the target chart.
2. When checking before disassembling, check the inside of the red frame in the image, and record the focus position.



3. When checking after disassembling, confirm that there is no difference from the focus position recorded before disassembling.

 **CAUTION**

- If the focus position is significantly different from what it was before disassembling, we recommend that you disassemble and repair the Product again.

VR function inspection process

When performing repairs that involve disassembling and reassembling the camera, check the VR function before and after disassembling.

Tools and parts required:

- Your mirrorless camera
- Non-VR lens (Example: NIKKOR Z 24-70mm f/4 S)
- Commercially available shooting chart (Example: Siemens Star Chart) that can measure the focus position
 - A Chart can be purchased at stores that sell camera-related products or online stores that sell camera-related products.
 - Nikon hereby disclaims all responsibility and liability for any focus charts or other items purchased from third party retailers.

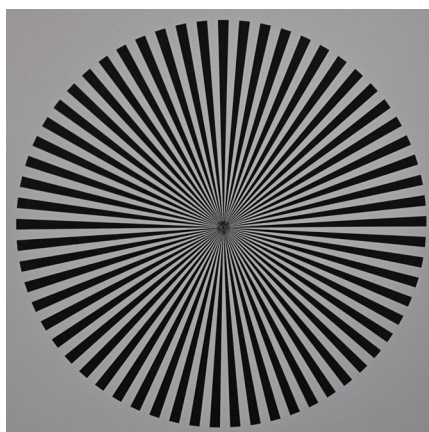
VR function inspection

Follow the steps below to perform a VR function inspection.

Inspection procedure

1 Preparation

Set the camera and the lens like the following image.



Shooting chart
(Example : Siemens Star Chart)



Lens

Camera

Camera settings

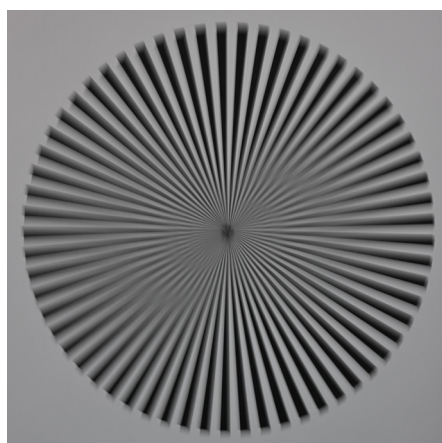
| | |
|---|--|
| Image quality | FINE |
| Focus mode | AF-S |
| Picture Control | SD |
| VR | OFF / ON |
| Image correction function (vignetting, diffraction, distortion) | ON |
| Metering method | Center-weighted metering |
| Exposure mode | Shutter-priority auto (S) |
| White balance | Auto0 (Keep white) |
| ISO | 100 |
| Aperture | F4(Full open), |
| Shutter Speed | The reciprocal of the focal length of a lens (For example, if use a 50mm lens, set it to 1/50.) |

Note: Use the default settings except for the above settings.

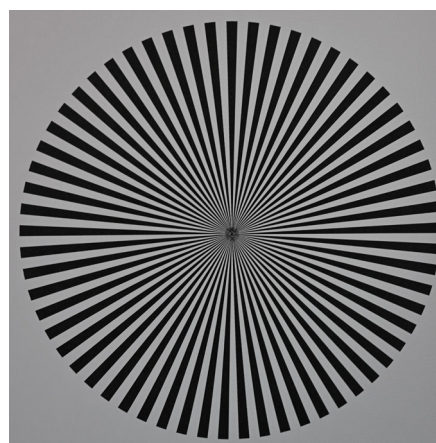
2 Inspection

To check the hand-shaking VR effect, turn ON/OFF the VR function and take a picture of chart by hand. After shooting, visually check the blur-ness of the image taken at the center, referring to the following example.

Visually check example



VR:OFF



VR:ON

IMPORTANT

- If the VR effect is significantly different from before disassembly, we recommend disassembling it again and repairing it.

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