Nikon Z 8

Repair Manual

Ver.1.0

Table of Contents

Introduction 1

Important Information 1
Notations used in this Repair Manual 2
Safety precautions 4
Disclaimer of warranties and limitation of damages 6
Notification 6

Service tools 7

Nikon service tools 7
Standard service tools 7

Illustrated Service Parts List 8

Parts Removal and Replacement Procedures 29

Before disassembling the Product 29
During the repairing 29
Reference Pages for Replacement Procedures by Major Parts 30
Disassembly 31
LICENSE LABEL 31
NECK-STRAP RING 31
BATTERY CAP UNIT 32
NAME PLATE 32
EYEPIECE UNIT 32
REAR COVER UNIT 35
TOP COVER UNIT 38
MAIN PCB UNIT 40
IMAGING BRACKET UNIT 44
IF PCB UNIT 45
10 PIN UNIT 45
BATTERY BOX UNIT 46
COMMAND DIAL PCB UNIT 52
WMA ANTENNA PCB 54
TOP COVER FPC UNIT 55
TOP SW FPC UNIT 58
MAIN SW DIAL 62
TOP LCD UNIT 62
SHOE MOLD UNIT 64

EYEPIECE BLOCK UNIT 68
REAR COVER UNIT 75
TFT MONITOR UNIT 77
MEDIA COVER UNIT 94
REAR COVER UNIT 96
Assembly 100
REAR COVER UNIT 100
MEDIA COVER UNIT 107
TFT MONITOR UNIT 122
EYEPIECE BLOCK UNIT 132
TOP COVER UNIT 143
SHOE MOLD UNIT 150
TOP LCD UNIT 151
MAIN SW DIAL 152
TOP SW FPC UNIT 154
TOP COVER FPC UNIT 161
WMA ANTENNA PCB 163
COMMAND DIAL PCB UNIT 165
FRONT BODY UNIT 167
BATTERY BOX UNIT 171
10 PIN UNIT 173
IF PCB UNIT 174
MAIN PCB UNIT 175
TOP COVER UNIT 181
REAR COVER UNIT 184
EYEPIECE UNIT 188
NAME PLATE 189
BATTERY CAP UNIT 189
RUBBER CAP 190
NECK-STRAP RING 190
LICENSE LABEL 191
Switch Inspection Process 192
Switch inspection 192
AF Accuracy Inspection Process 193
AF accuracy inspection 195
VR function inspection process 197
VR function inspection 197

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 opera tion.

- 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 29.
- 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 (FG-30)
- Lubricant (MDF-1176BE)
- Lubricant (OS-30P)
- Lubricant (PL-1016EL)
- Lubricant (CFD409Z)
- Lubricant (LEN317A)
- Lubricant (DN-C3HN)
- Lubricant (HF-1076)
- Cleaning Stick (EIZ0163)

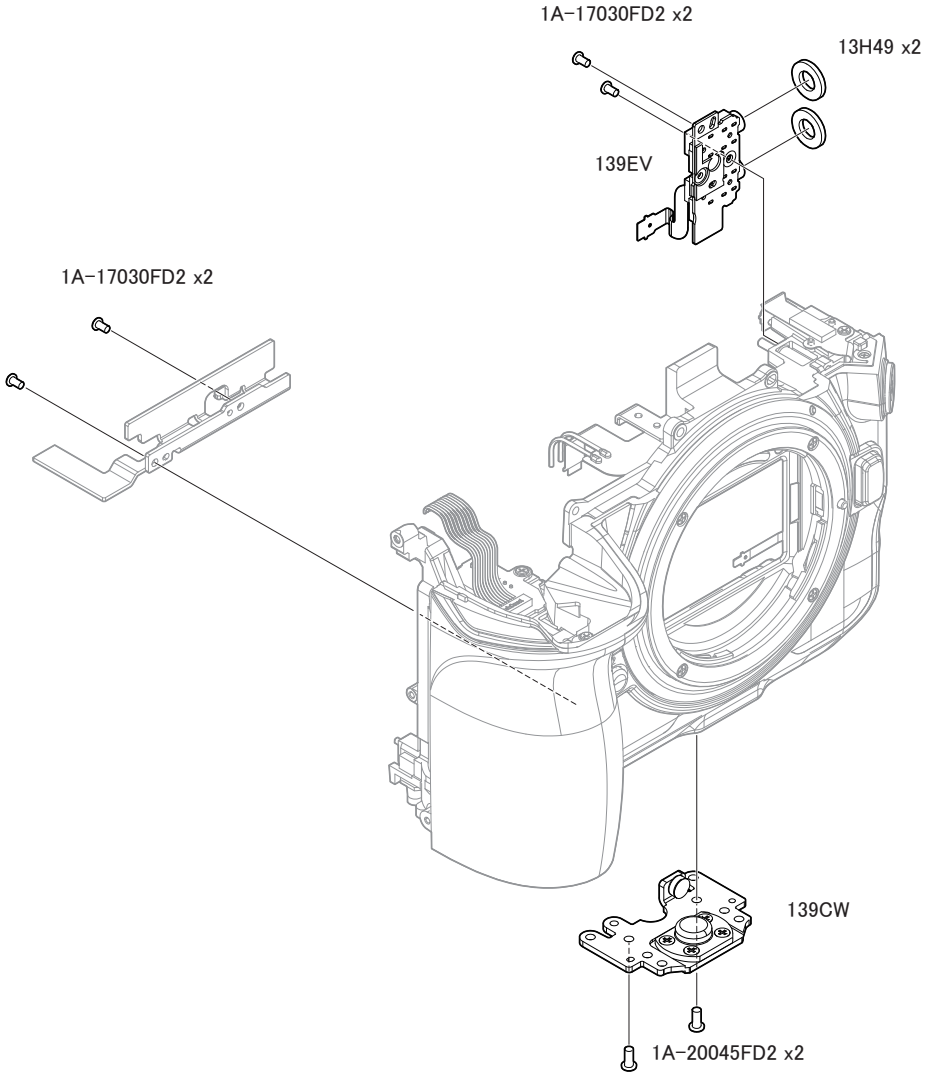
Standard service tools

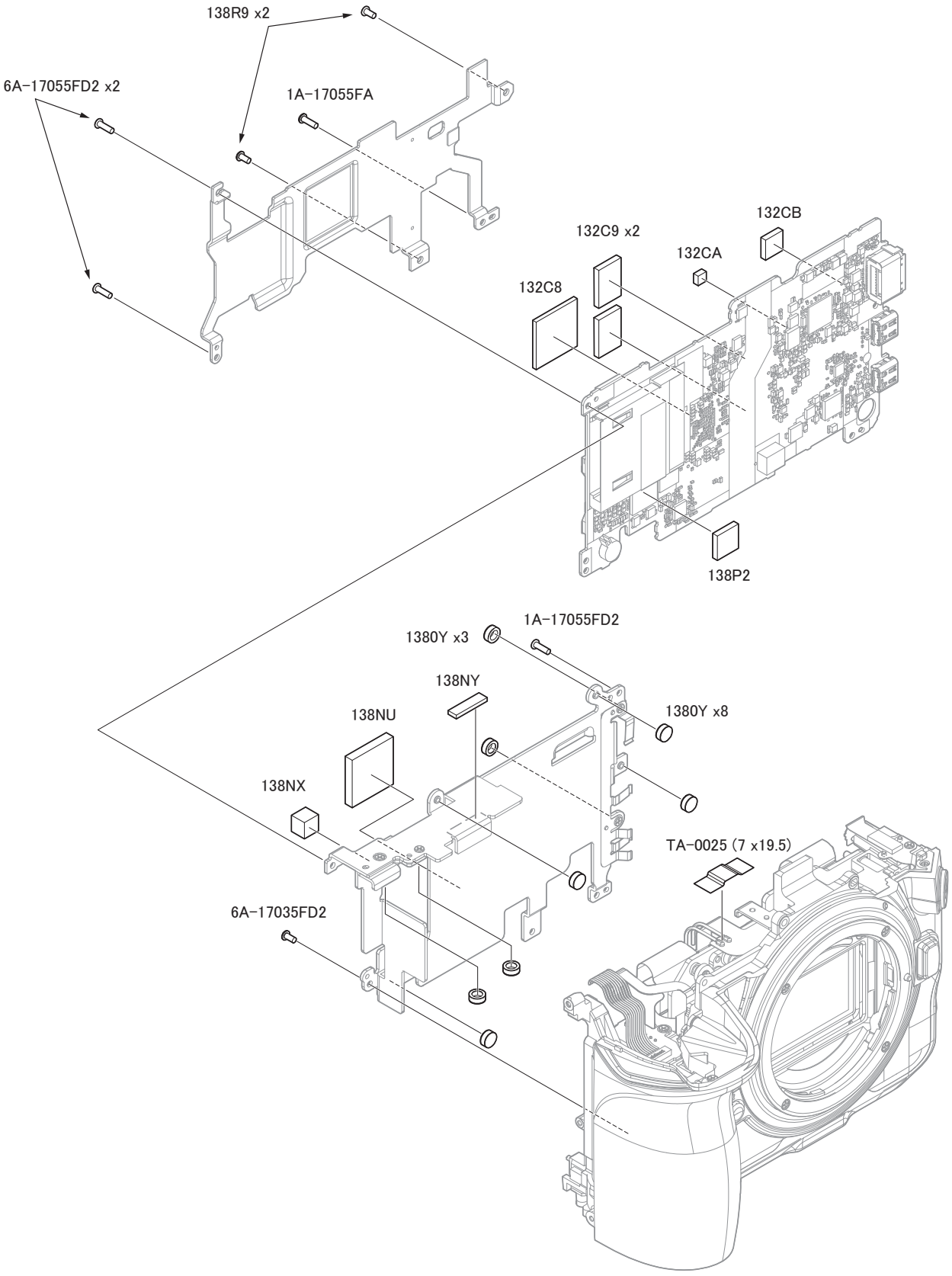
- Electrostatic discharge (ESD) mat
- Anti-ESD wrist strap (1 MΩ resistance)
- Anti-ESD gloves
- Protective eyewear
- Cleaning stick
- Anti-ESD tweezers
- Ethyl alcohol
- Ethyl alcohol dispenser bottle
- Phillips screwdriver (No.0)
- Torque screwdriver (Use a product with a torque range of 0.07 N·m to 0.3 N·m.)
- Brush for lubricant
- 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

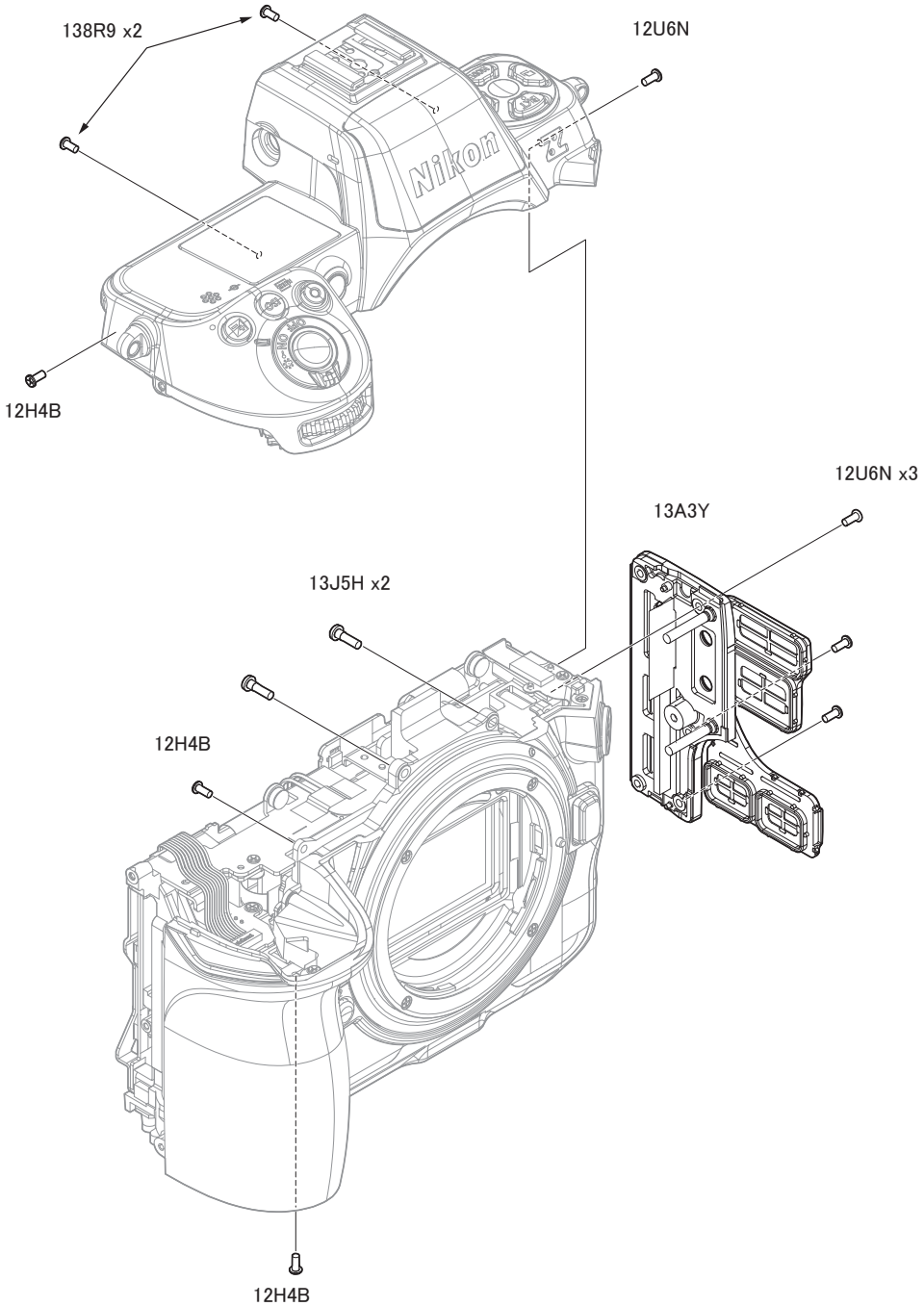
Illustrated Service Parts List

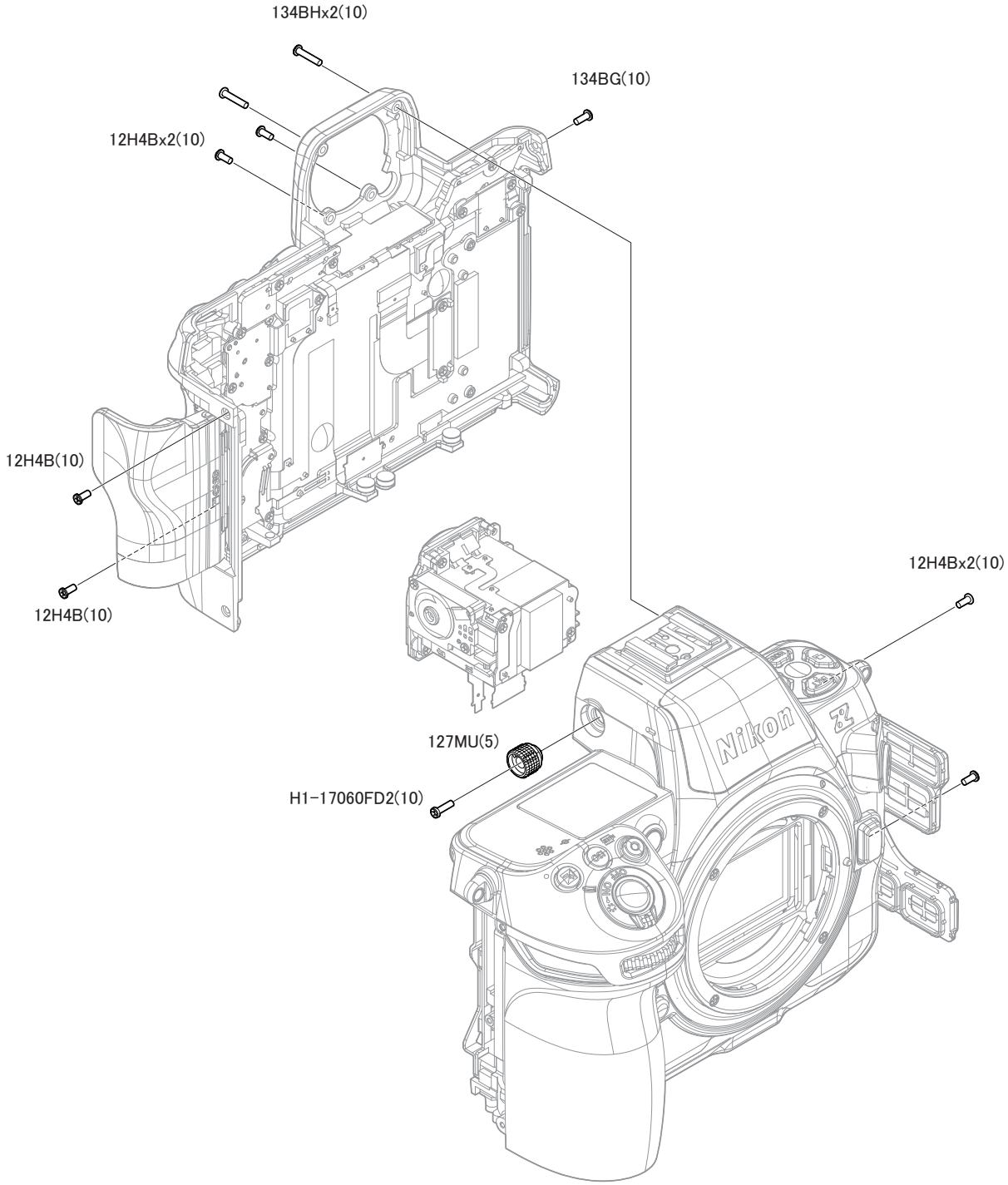
IMPORTANT

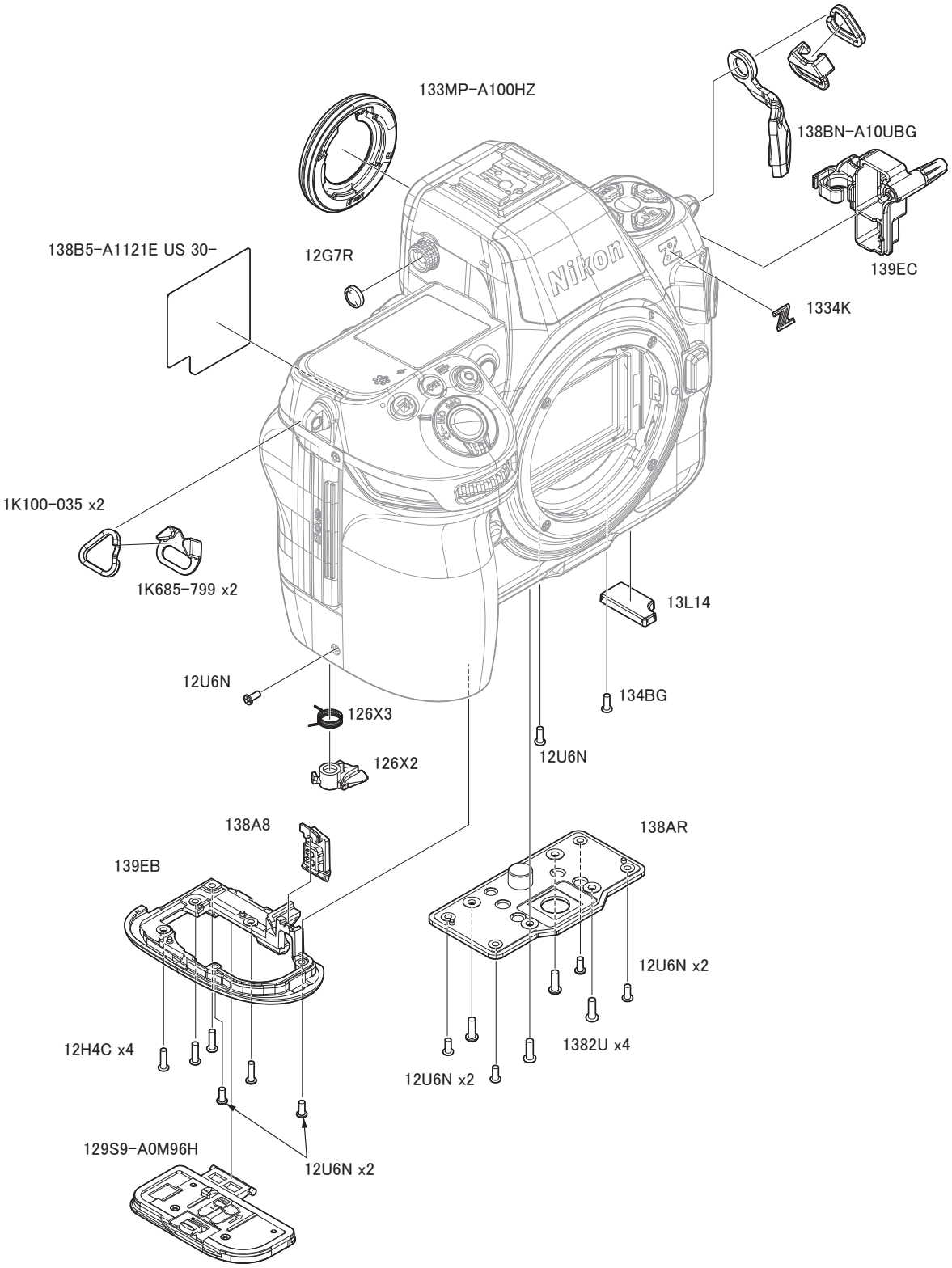
- The parts marked in gray in the illustration cannot be replaced individually as replacing them will affect the camera function. If you need to replace these parts, use the CAMERA BODY UNIT (US) (143VP).
- When disassembling and reassembling the Product, be careful not to damage or lose the parts.

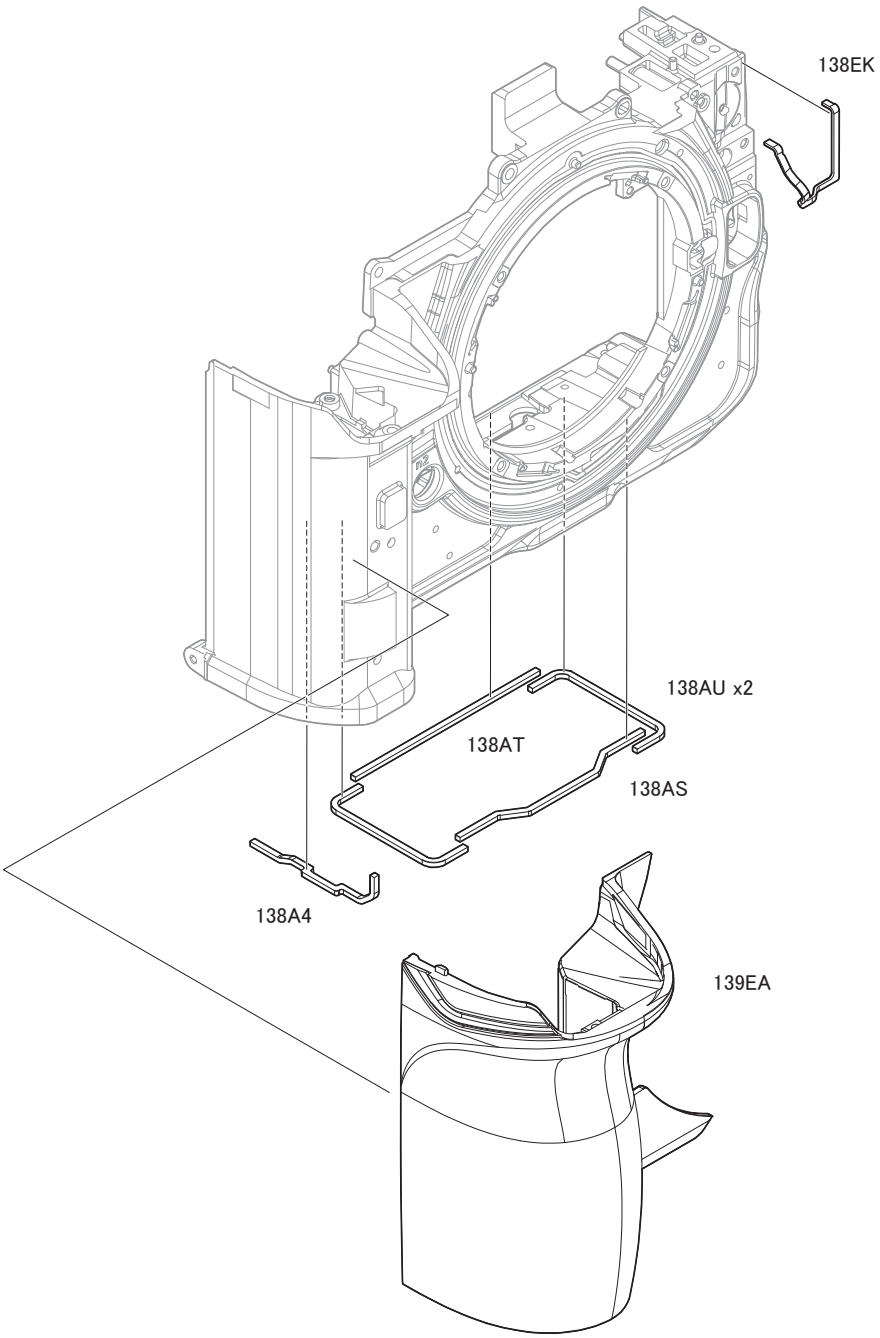


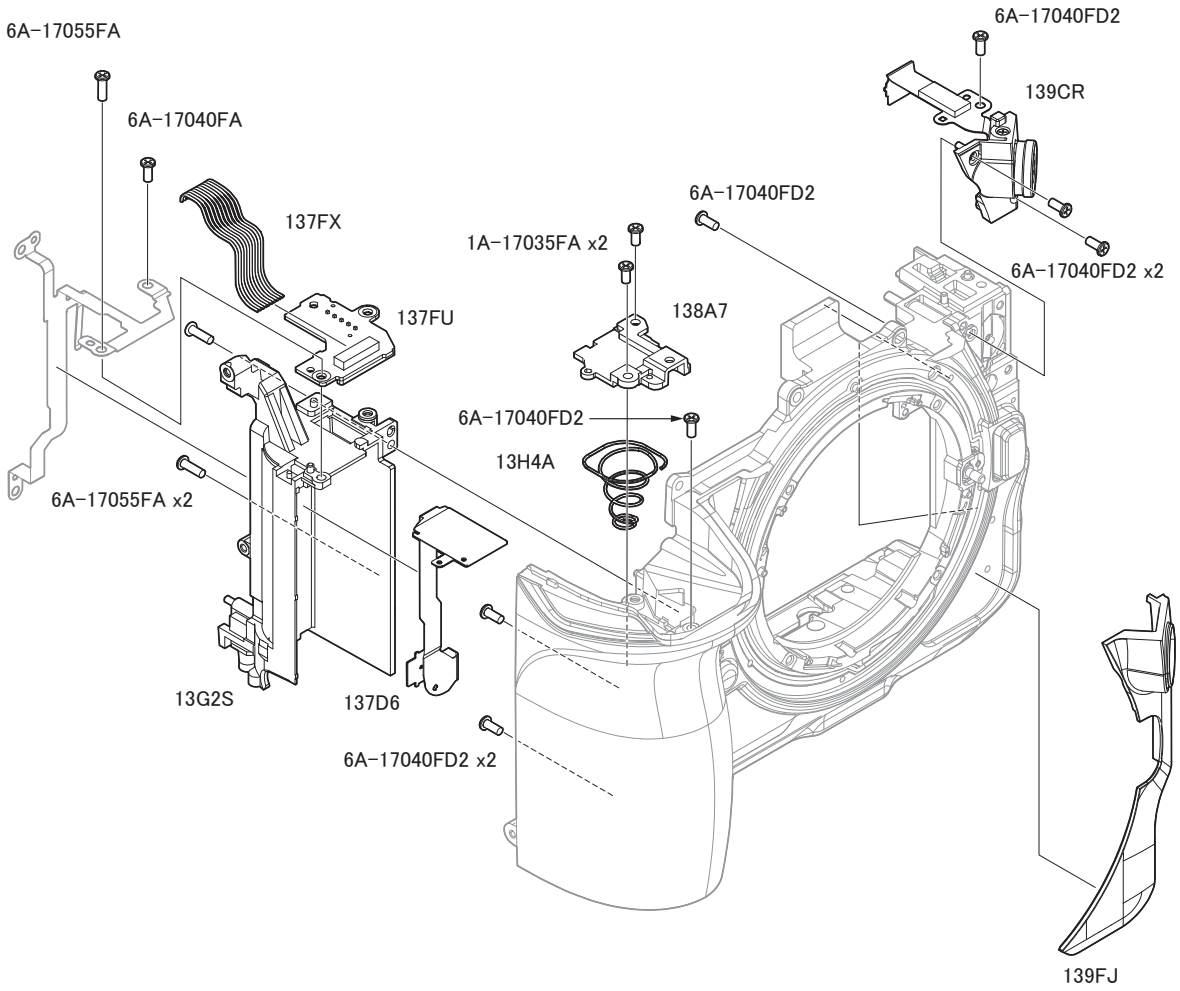

138R9 x2
6A-17055FD2 x2
1A-17055FA
132CB
132C9 x2
132CA
132C8
138P2
1A-17055FD2
1380Y x3
138NY
1380Y x8
138NU
138NX
TA-0025 (7 x19.5)
6A-17035FD2

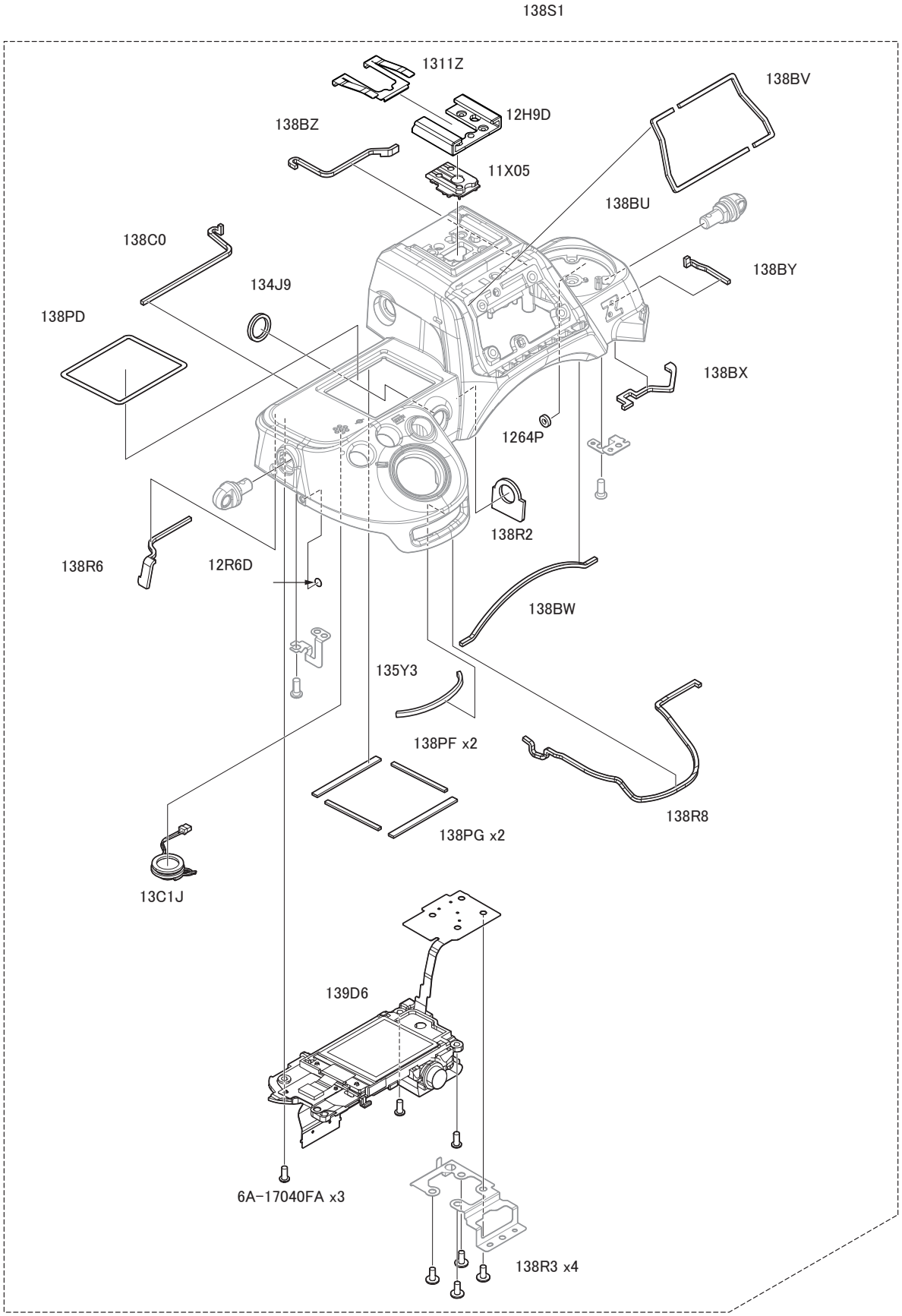

138R9 x2
12U6N
12H4B
12U6N x3
13A3Y
13J5H x2
12H4B
12H4B

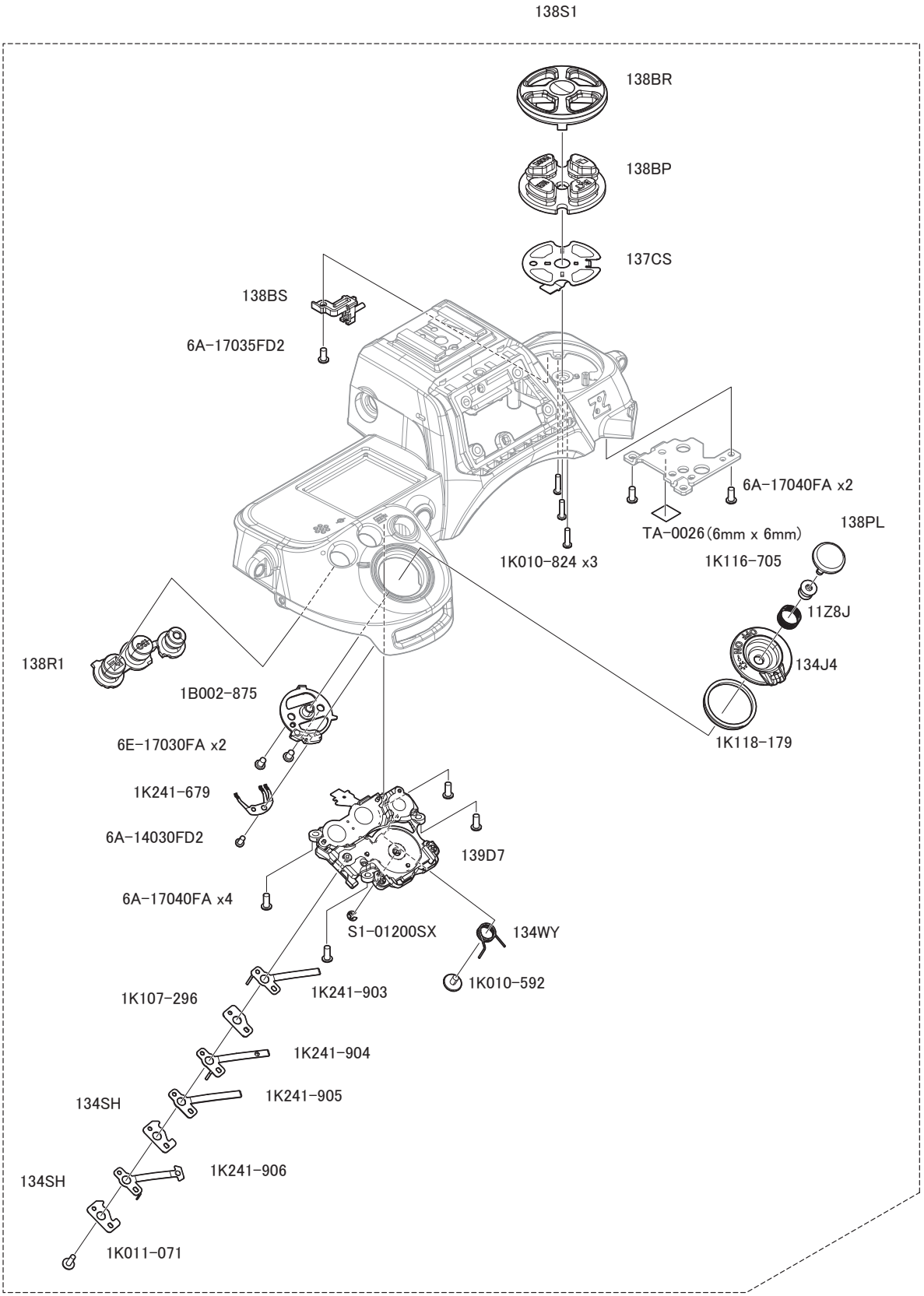

134BHx2(10)
134BG(10)
12H4Bx2(10)
12H4B(10)
12H4B(10)
12H4Bx2(10)
127MU(5)
H1-17060FD2(10)
Nikon
Z


133MP-A100HZ
138BN-A10UBG
139EC
138B5-A1121E US 30-
12G7R
1334K
1K100-035 x2
1K685-799 x2
13L14
12U6N
126X3
126X2
134BG
12U6N
138A8
138AR
139EB
12U6N x2
12H4C x4
1382U x4
12U6N x2
129S9-A0M96H
12U6N x2

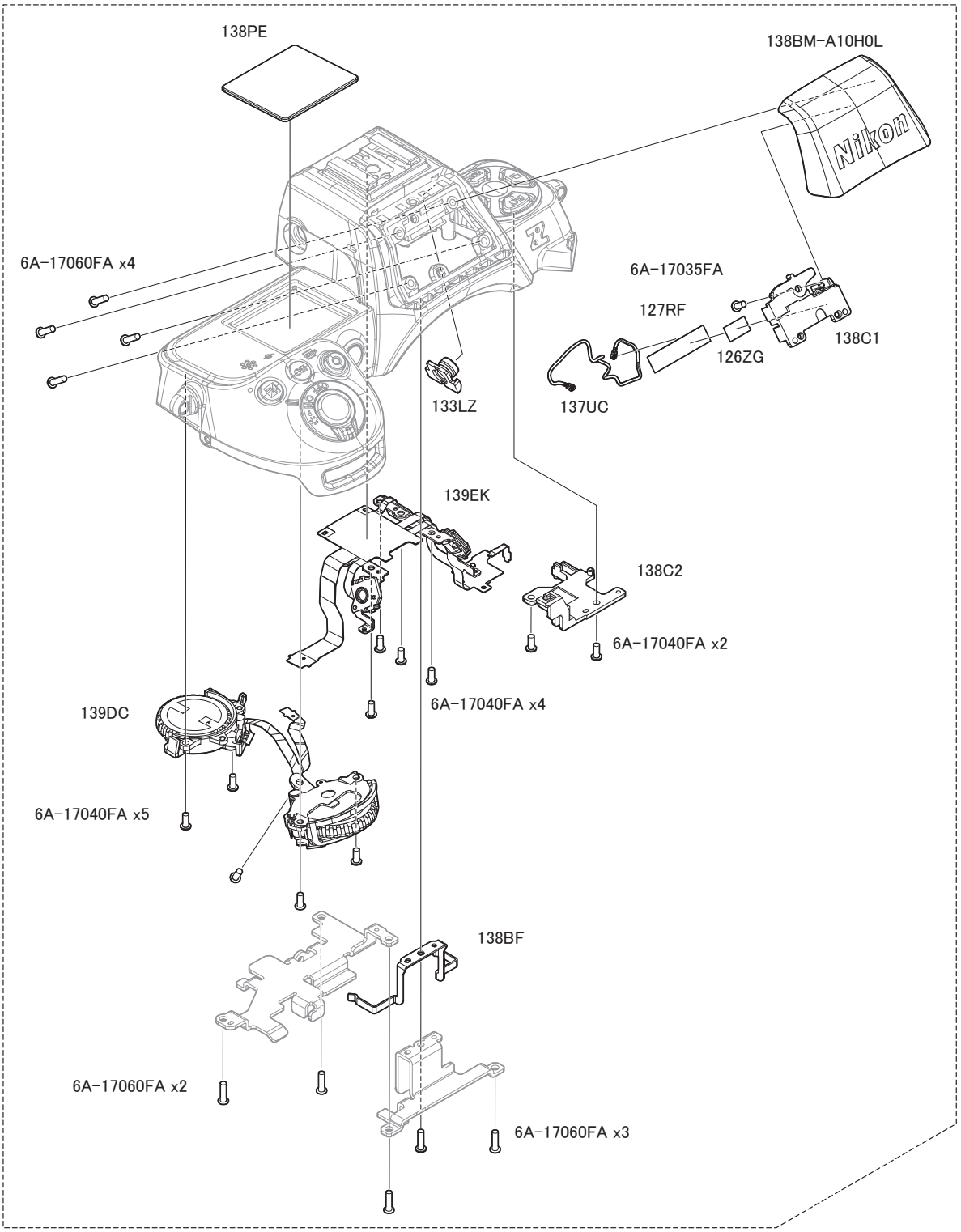

138EK
138AU x2
138AT
138AS
138A4
139EA

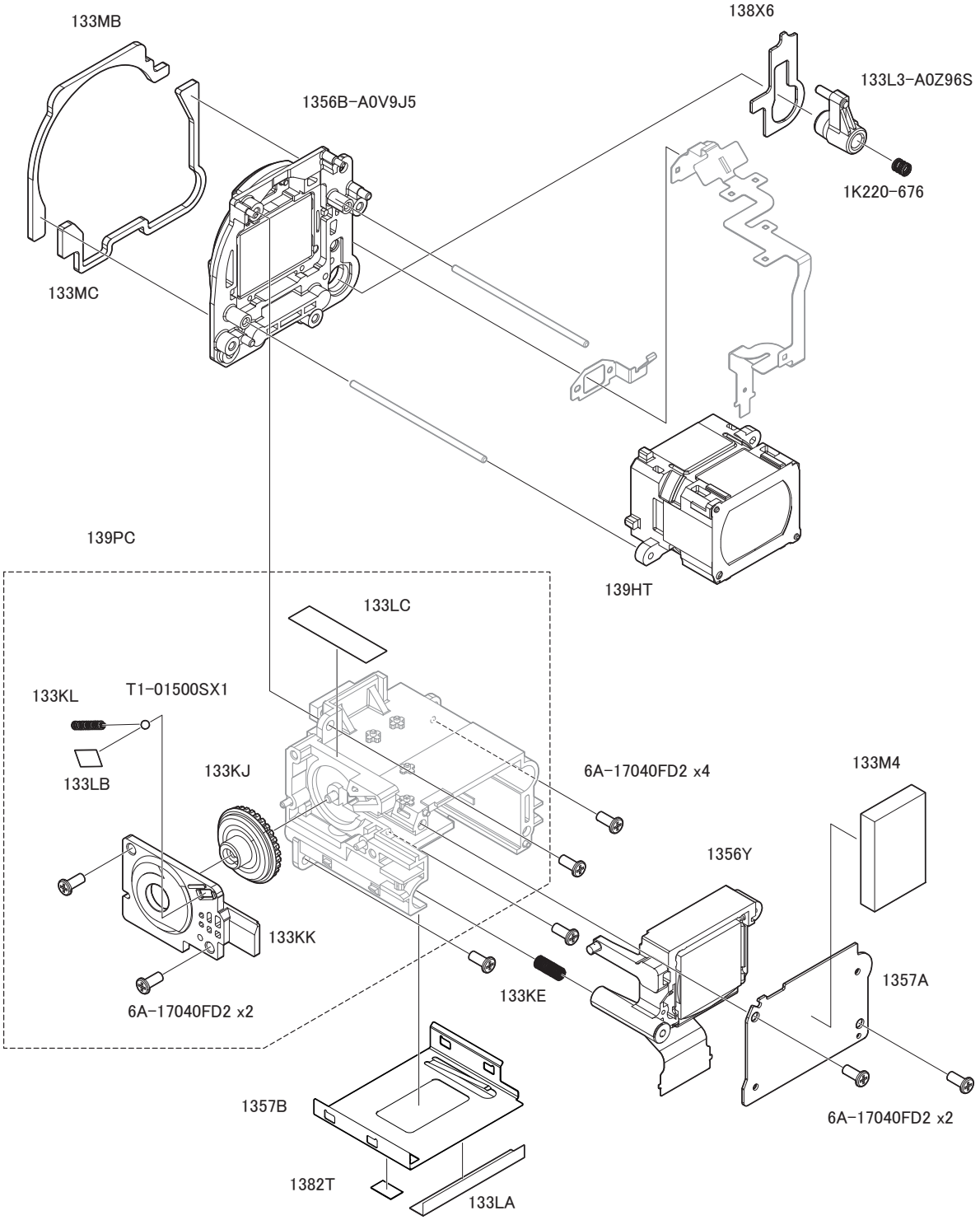

6A-17055FA
6A-17040FA
137FX
137FU
6A-17055FA x2
13G2S
137D6
6A-17040FD2 x2
1A-17035FA x2
138A7
6A-17040FD2
13H4A
6A-17040FD2
139CR
6A-17040FD2
6A-17040FD2 x2
139FJ


138S1
1311Z
138BV
12H9D
138BZ
11X05
138BU
138C0
138BY
134J9
138PD
138BX
1264P
138R2
138R6
12R6D
138BW
135Y3
138PF x2
138R8
138PG x2
13C1J
139D6
6A-17040FA x3
138R3 x4

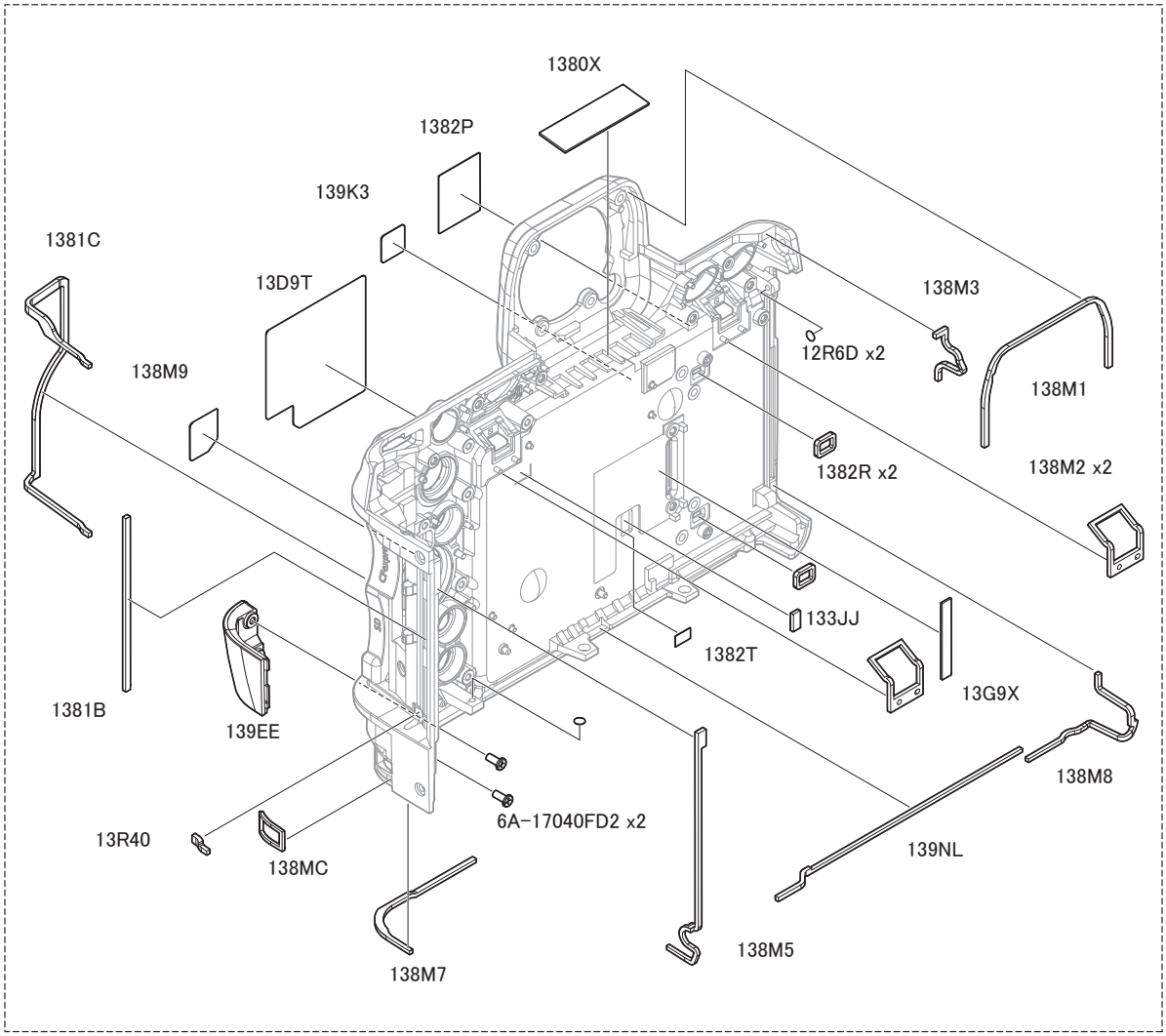

138S1
138BR
138BP
137CS
138BS
6A-17035FD2
6A-17040FA x2
TA-0026(6mm x 6mm)
138PL
1K010-824 x3
1K116-705
11Z8J
134J4
138R1
1K118-179
1B002-875
6E-17030FA x2
1K241-679
6A-14030FD2
139D7
6A-17040FA x4
S1-01200SX
134WY
1K010-592
1K107-296
1K241-903
1K241-904
134SH
1K241-905
1K241-906
134SH
1K011-071

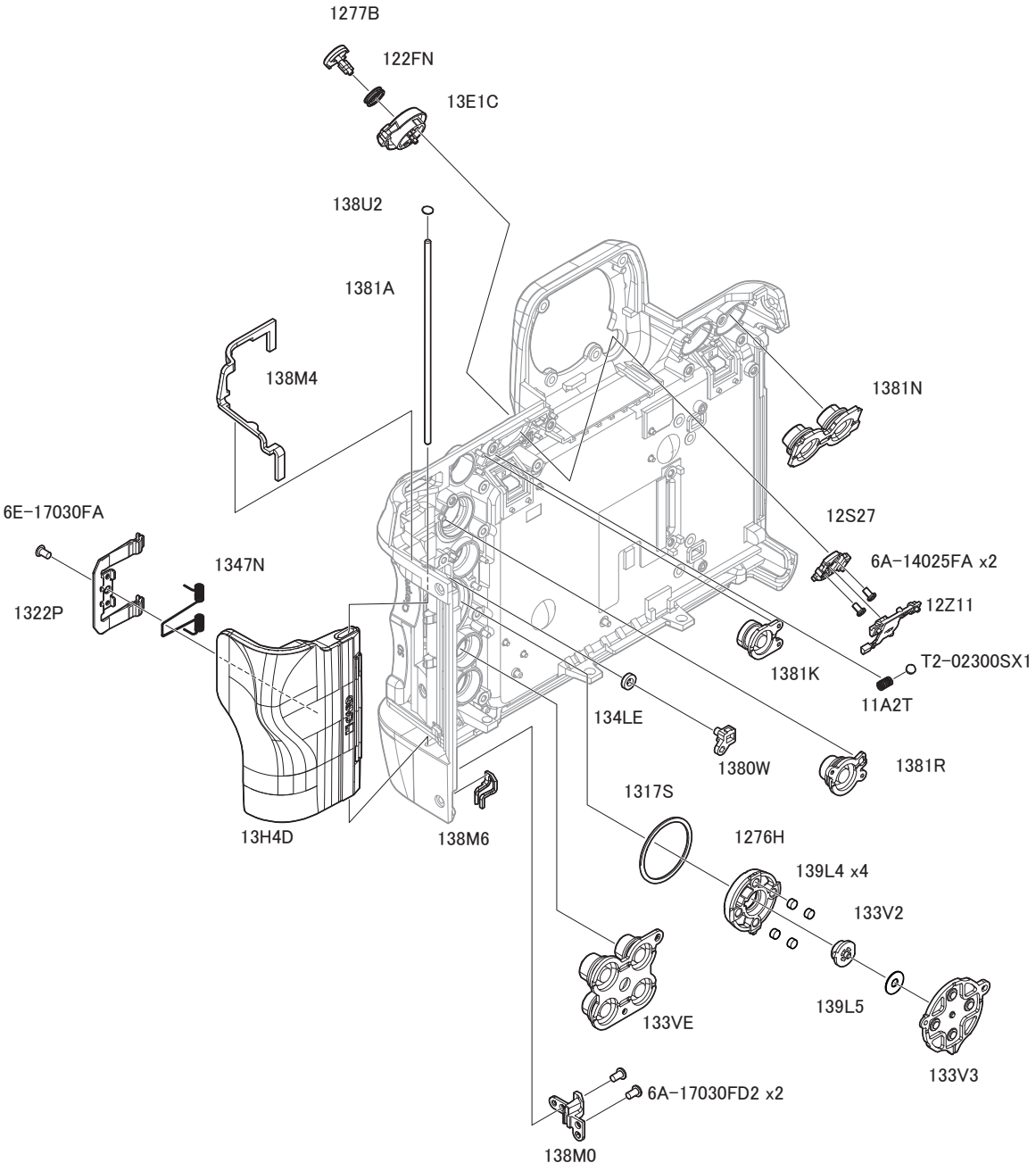
138S1

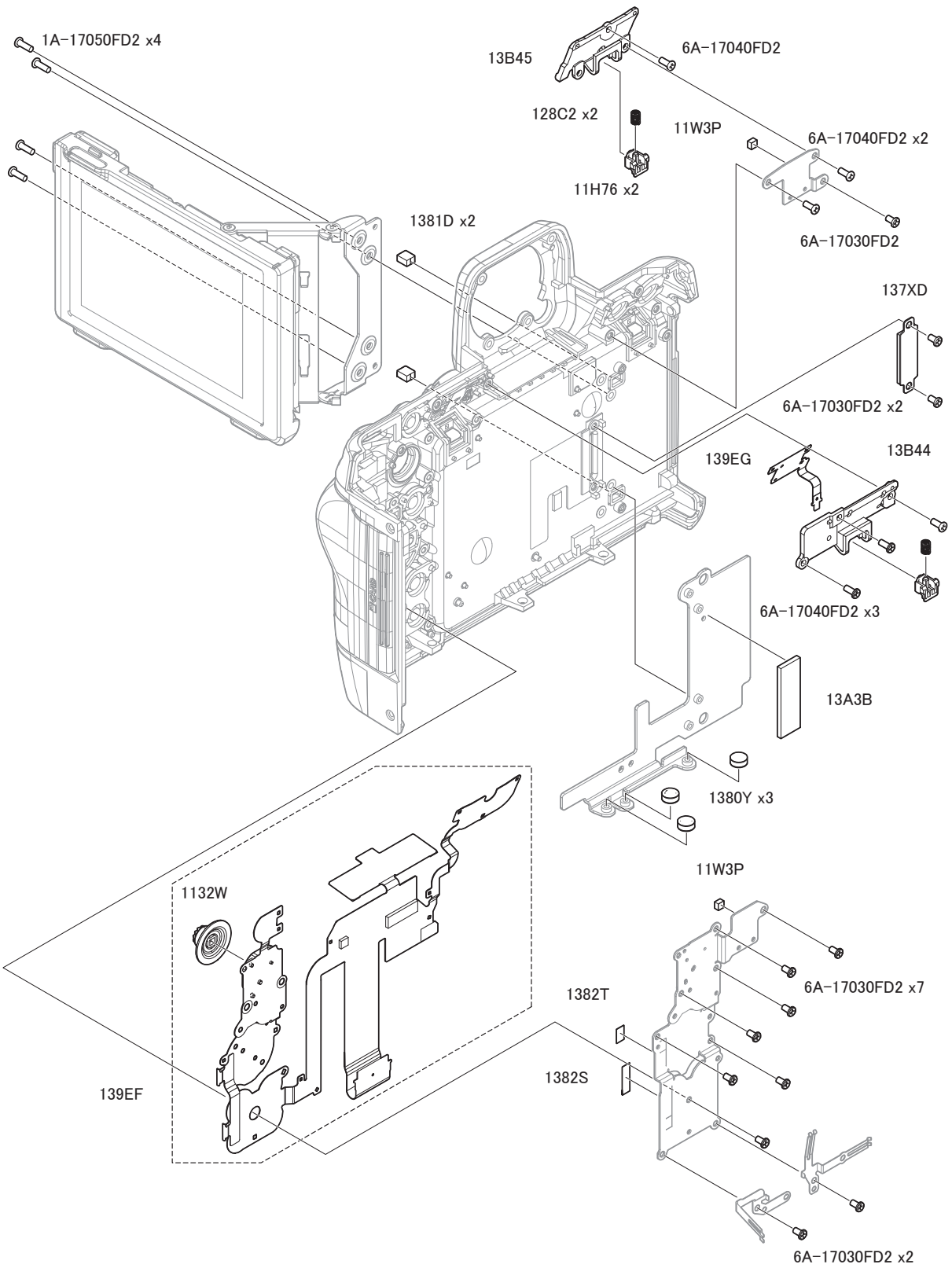

138PE
138BM-A10H0L
Nikon
6A-17060FA x4
6A-17035FA
127RF
126ZG
138C1
133LZ
137UC
139EK
138C2
6A-17040FA x2
6A-17040FA x4
139DC
6A-17040FA x5
138BF
6A-17060FA x2
6A-17060FA x3

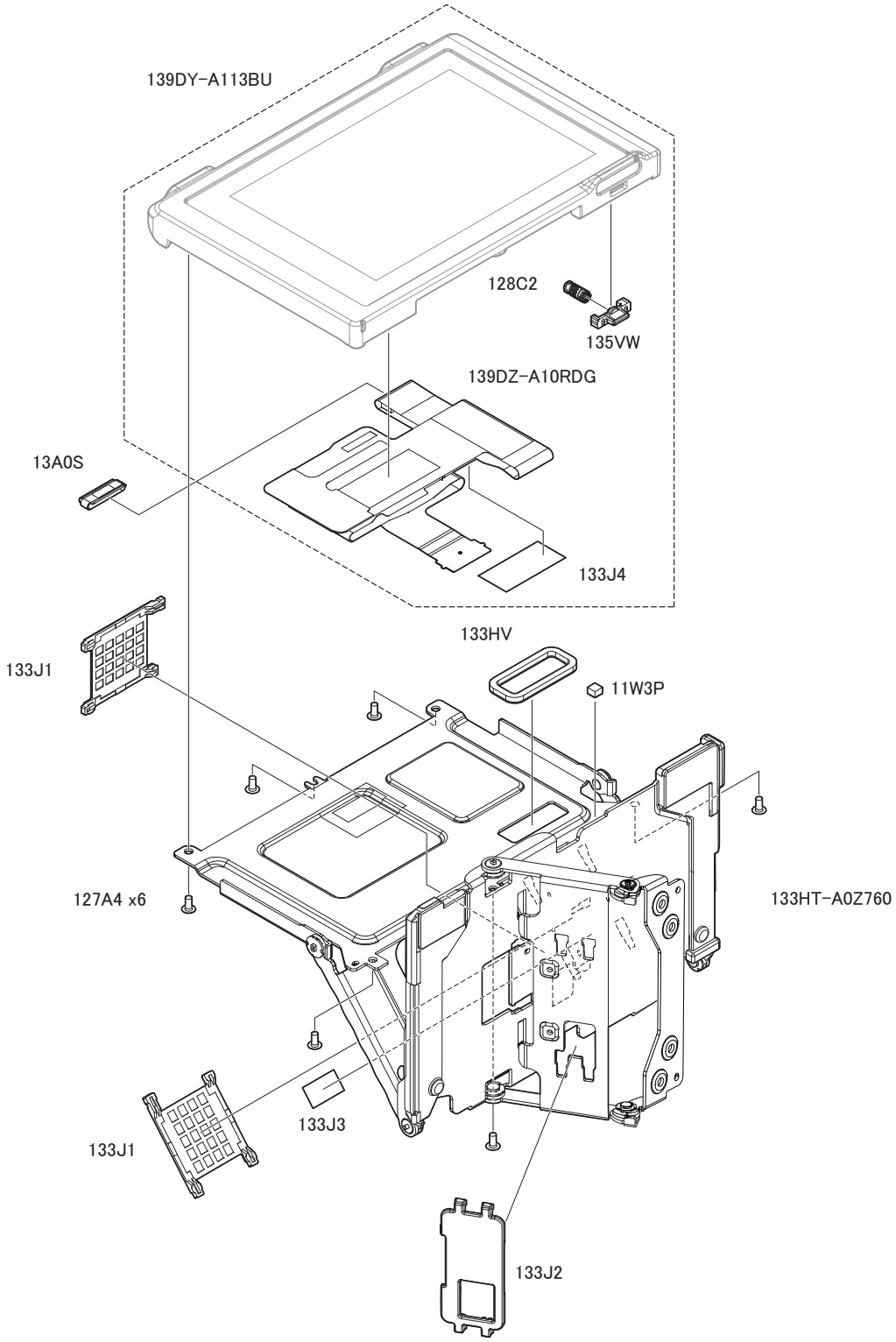

133MB
138X6
133L3-A0Z96S
1356B-A0V9J5
1K220-676
133MC
139PC
139HT
133LC
133KL
T1-01500SX1
133LB
133KJ
6A-17040FD2 x4
133M4
1356Y
133KK
6A-17040FD2 x2
133KE
1357A
1357B
6A-17040FD2 x2
1382T
133LA

13K1T

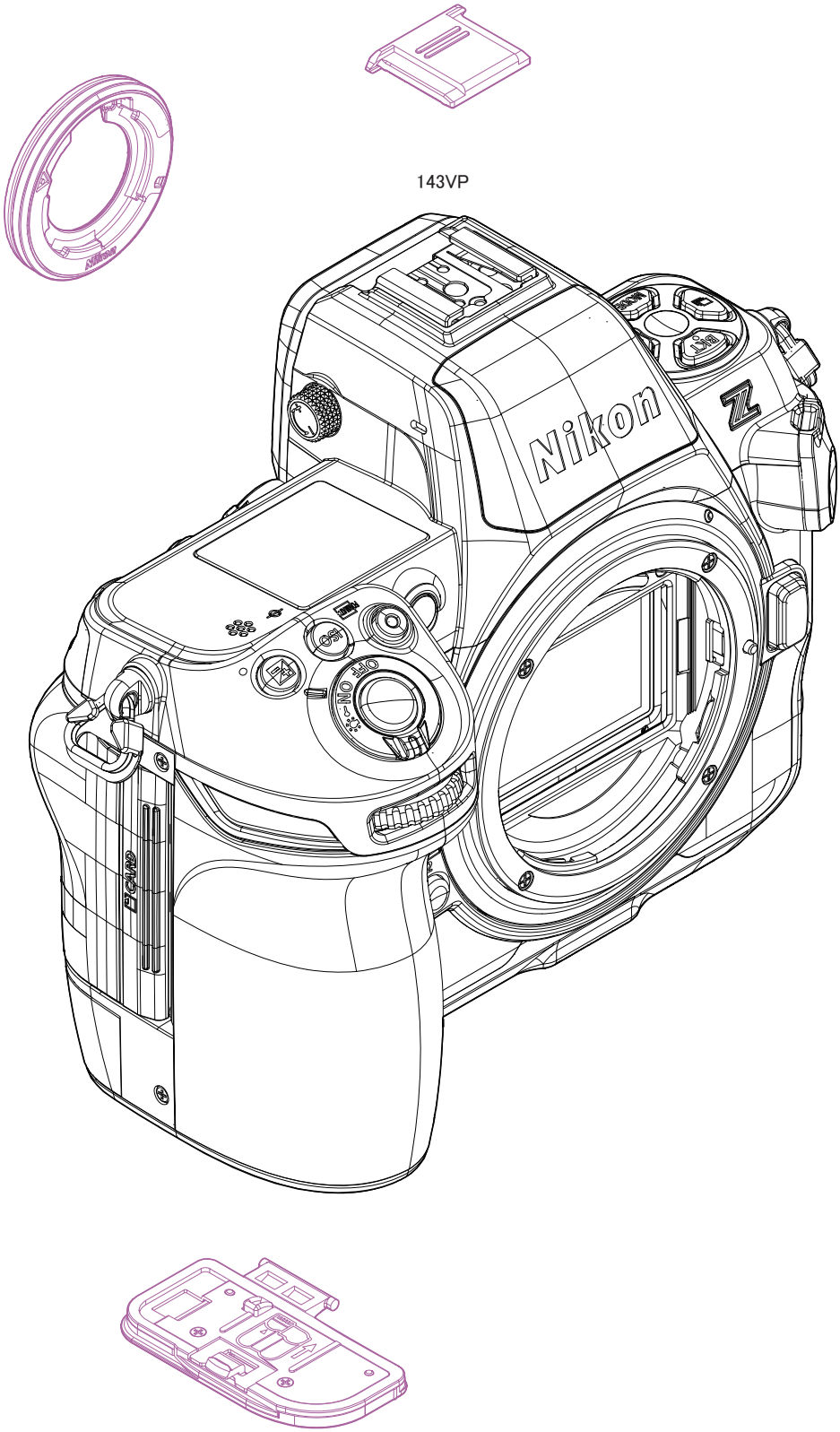

1380X
1382P
139K3
1381C
13D9T
138M3
12R6D x2
138M9
138M1
1382R x2
138M2 x2
133JJ
1382T
13G9X
1381B
139EE
138M8
6A-17040FD2 x2
13R40
139NL
138MC
138M7
138M5


1277B
122FN
13E1C
138U2
1381A
138M4
1381N
6E-17030FA
1347N
1322P
12S27
6A-14025FA x2
12Z11
T2-02300SX1
11A2T
1381K
134LE
1380W
1381R
1317S
1276H
139L4 x4
133V2
139L5
133V3
133VE
6A-17030FD2 x2
138M0
13H4D
138M6


1A-17050FD2 x4
13B45
6A-17040FD2
128C2 x2
11W3P
6A-17040FD2 x2
11H76 x2
6A-17030FD2
1381D x2
137XD
6A-17030FD2 x2
139EG
13B44
6A-17040FD2 x3
13A3B
1380Y x3
11W3P
1132W
6A-17030FD2 x7
1382T
139EF
1382S
6A-17030FD2 x2


139DY-A113BU
128C2
135VW
139DZ-A10RDG
13A0S
133J4
133HV
133J1
11W3P
127A4 x6
133HT-A0Z760
133J3
133J1
133J2

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



Item code	Parts name	Q'ty
143VP	CAMERA BODY UNIT(US)	1
1264P	SPONGE	1
133V3	RUBBER	1
1347N	SPRING	1
134SH	RELEASE SW INSULATE PLATE	2
1356B-A0V9J5	EYEPIECE BLOCK UNIT	1
137CS	MODE DIAL FPC	1
137D6	BATTERY CONTACT FPC	1
137FU	BATTERY CONTACT PCB UINT	1
137FX	CABLE UNIT	1
137UC	HARNESS	1
137XD	FPC HOLDING PLATE	1
1380W	ACCESS LAMP WINDOW	1
1380X	SPONGE	1
1381A	MEDIA COVER HINGE SHAFT	1
1381B	SPONGE	1
1381C	SPONGE	1
1381D	GASKET	1
1381K	AF-ON BUTTON	1
1381N	FN4/DELETE BUTTON	1
1381R	I BUTTON	1
1382P	SHEET	1
1382R	SPONGE	2
1382S	TAPE	1
1382T	SPONGE	3
138A4	SPONGE	1
138A7	PLATE	1
138A8	POWER CONNECTOR COVER	1
138AR	BOTTOM COVER PLATE	1
138AS	SPONGE	1
138AT	SPONGE	1
138AU	SPONGE	2
138B5-A1121E	LICENSE LABEL(US 30-)	1
138BF	EVF HOLDING PLATE	1
138BM-A10H0L	GPS COVER	1
138BN-A10UBG	RUBBER CAP	1
138BP	FOUR LEAF BUTTON UNIT	1
138BR	FOUR LEAF BUTTON COVER	1
138BS	CHARGE LED WINDOW	1
138BU	SPONGE	1
138BV	SPONGE	1
138BW	SPONGE	1
138BX	SPONGE	1
138BY	SPONGE	1
138BZ	SPONGE	1
138C0	SPONGE	1
138C1	HOLDER	1
138C2	HOLDER	1
138EK	SPONGE	1

Item code	Parts name	Q'ty
138M0	MOLD	1
138M1	SPONGE	1
138M2	SPONGE	2
138M3	SPONGE	1
138M4	SPONGE	1
138M5	SPONGE	1
138M6	SPONGE	1
138M7	SPONGE	1
138M8	SPONGE	1
138M9	SHEET	1
138MC	SPONGE	1
138NX	HEAT DISSIPATION SHEET	1
138NY	HEAT DISSIPATION SHEET	1
138P2	HEAT DISSIPATION SHEET	1
138PD	DOUBLE STICK TAPE	1
138PE	TOP LCD WINDOW	1
138PF	SPONGE	2
138PG	SPONGE	2
138PL	RELEASE BUTTON	1
138R1	3-BUTTON	1
138R2	SPONGE	1
138R3	SCREW	4
138R6	SPONGE	1
138R8	SPONGE	1
138S1	TOP COVER UNIT	1
138U2	TAPE	1
139CR	10 PIN UNIT	1
139CW	TRIPOD BASE	1
139D6	TOP LCD UNIT	1
139D7	TOP SW FPC UNIT	1
139DC	COMMAND DIAL PCB UNIT	1
139DY-A113BU	TFT MONITOR UNIT	1
139DZ-A10RDG	TFT MONITOR FPC UNIT	1
139EA	GRIP RUBBER UNIT	1
139EB	BOTTOM COVER UNIT	1
139EC	CABLE CLIP UNIT	1
139EE	REAR RUBBER UNIT	1
139EF	REAR FPC UNIT	1
139EG	Photo movie selector FPC unit	1
139EK	TOP COVER FPC UNIT	1
139EV	IF PCB UNIT	1
139FJ	IF GRIP UNIT	1
139K3	SHEET	1
139NL	SPONGE	1
13A3B	SHEET	1
13A3Y	IF COVER UNIT	1
13B44	RETAINER PLATE	1
13B45	RETAINER PLATE	1
13C1J	SPEAKER	1

Item code	Parts name	Q'ty
13E1C	DISP SELECTOR	1
13G2S	BATTERY BOX UNIT	1
13G9X	SPONGE	1
13H49	SPONGE	2
13H4A	BATT.EJECT SPRING	1
13H4D	MEDIA COVER UNIT	1
13K1T	REAR COVER UNIT	1
13L14	LICENSE PLATE UNIT	1
13R40	SPONGE	1
1A-17055FD2	SCREW	1
1K010-824	SCREW	3
1K011-071	SCREW	1
1K107-296	RELEASE SW INSULATE PLATE	1
1K241-903	RELEASE SW CONTACT PLATE A	1
1K241-904	RELEASE SW CONTACT PLATE B	1
1K241-905	RELEASE SW CONTACT PLATE C	1
1K241-906	RELEASE SW CONTACT PLATE D	1
6E-17030FA	SCREW	3
1132W	SUB MULTI-SELECTOR BUTTON UNIT	1
11A2T	SPRING	1
11H76	HOLDER	2
11W3P	SPONGE	3
11X05	HOT SHOE MOLD UNIT	1
11Z8J	SPRING	1
122FN	RUBBER	1
126X2	BATTERY LOCK LEVER	1
126X3	SPRING	1
126ZG	DOUBLE STICK TAPE	1
1276H	MULTI SELECTOR	1
1277B	DISP BUTTON	1
127A4	SCREW	6
127MU	DIOPTER ADJUSTMENT KNOB	1
127RF	WMA ANTENNA PCB	1
128C2	SPRING	3
129S9-A0M96H	BATTERY CAP UNIT	1
12G7R	DIOPTER ADJUSTMENT KNOB COVER	1
12H4B	SCREW	9
12H4C	SCREW	4
12H9D	HOT SHOE	1
12R6D	SHEET	3
12S27	DISP SELECTOR MOLD UNIT	1
12U6N	SCREW	12
12Z11	MOLD	1
1311Z	HOT SHOE SPRING	1
1317S	SPONGE	1
1322P	CLICK SPRING	1
132C8	HEAT DISSIPATION SHEET	1
132C9	HEAT DISSIPATION SHEET	2
132CA	HEAT DISSIPATION SHEET	1

Item code	Parts name	Q'ty
132CB	HEAT DISSIPATION SHEET	1
1334K	NAME PLATE	1
133HT-A0Z760	TILT UNIT	1
133HV	SPONGE	1
133J1	MOLD	2
133J2	MOLD	1
133J3	DOUBLE STICK TAPE	1
133J4	DOUBLE STICK TAPE	1
133JJ	SPONGE	1
133KE	SPRING	1
133KJ	DIOPTER ADJUSTMENT CAM	1
133KK	DIOPTER ADJUSTMENT CAM CASE	1
133KL	SPRING	1
133L3-A0Z96S	EYEPIECE LOCK BUTTON	1
133LA	TAPE	1
133LB	TAPE	1
133LC	TAPE	1
133LZ	MONITOR SWITCHING BUTTON	1
133M4	HEAT DISSIPATION SHEET	1
133MB	SPONGE	1
133MC	SPONGE	1
133MP-A100HZ	EYEPIECE UNIT	1
133V2	OK BUTTON	1
133VE	FOURTH BUTTON	1
134BG	SCREW	2
134BH	SCREW	2
134J4	MAIN SW DIAL	1
134J9	SPONGE	1
134LE	SPONGE	1
134WY	SPRING	1
1356Y	EVF PANEL UNIT	1
1357A	EVF DUSTPROOF PLATE UNIT	1
1357B	EVF BOTTOM COVER UNIT	1
135VW	LATCH	1
135Y3	SPONGE	1
1380Y	SPONGE	14
1382U	SCREW	4
138NU	HEAT DISSIPATION SHEET	1
138R9	SCREW	4
138X6	SPONGE	1
139HT	LENS ROOM UNIT	1
139L4	WASHER	4
139L5	WASHER	1
139PC	EVF UNIT	1
13A0S	SHEET	1
13J5H	SCREW	2
1A-17035FA	SCREW	2
1A-17050FD2	SCREW	4
1A-17055FA	SCREW	1

Item code	Parts name	Q'ty
1A-20045FD2	SCREW	2
1B002-875	CLICK PLATE UNIT	1
1K010-592	SCREW	1
1K100-035	NECK-STRAP RING	2
1K116-705	RUBBER	1
1K118-179	RUBBER	1
1K220-676	SPRING	1
1K241-679	ON-OFF SW BRUSH	1
1K685-799	NECK-STRAP RING COVER	2
6A-14025FA	SCREW	2
6A-14030FD2	SCREW	1
6A-17030FD2	SCREW	14
6A-17035FA	SCREW	1
6A-17035FD2	SCREW	2
6A-17040FA	SCREW	21
6A-17040FD2	SCREW	23
6A-17055FA	SCREW	3
6A-17055FD2	SCREW	2
6A-17060FA	SCREW	9
H1-17060FD2	SCREW	1
S1-01200SX	E-RING	1
T1-01500SX1	CLICK BALL	1
T2-02300SX1	STEEL BALL	1
13D9T	SHEET	1
1A-17030FD2	SCREW	4
TA-0025	TAPE	1
TA-0026	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: ① ② ③ 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 UNIT

Disassembly	P.14 , P.16
Assembly	P.170 , P.172

TOP COVER UNIT

Disassembly	P.13 - P.21
Assembly	P.164 - P.174

REAR COVER UNIT

Disassembly	P.13 - P.18 , P.57 - P.59 , P.66 - P.77
Assembly	P.89 - P.102 , P.111 - P.113 , P.167 - P.174

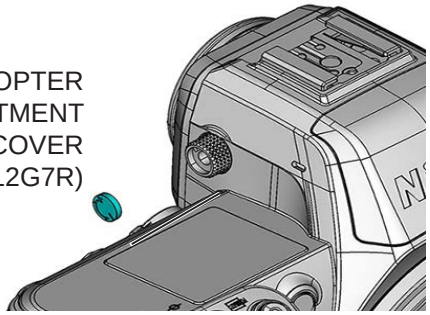
IF COVER UNIT

Disassembly	P.14 - P.19
Assembly	P.166 - P.172

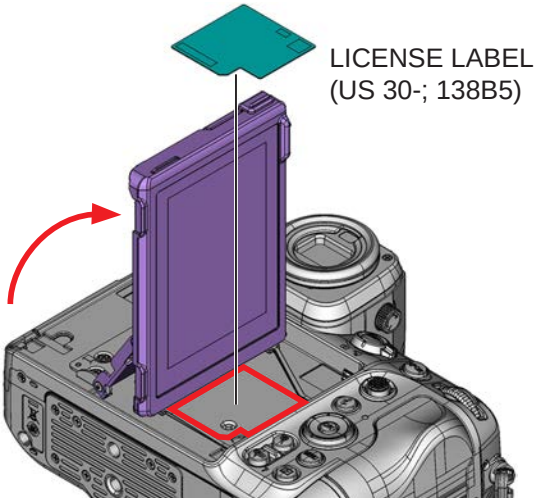
Disassembly

1. External parts

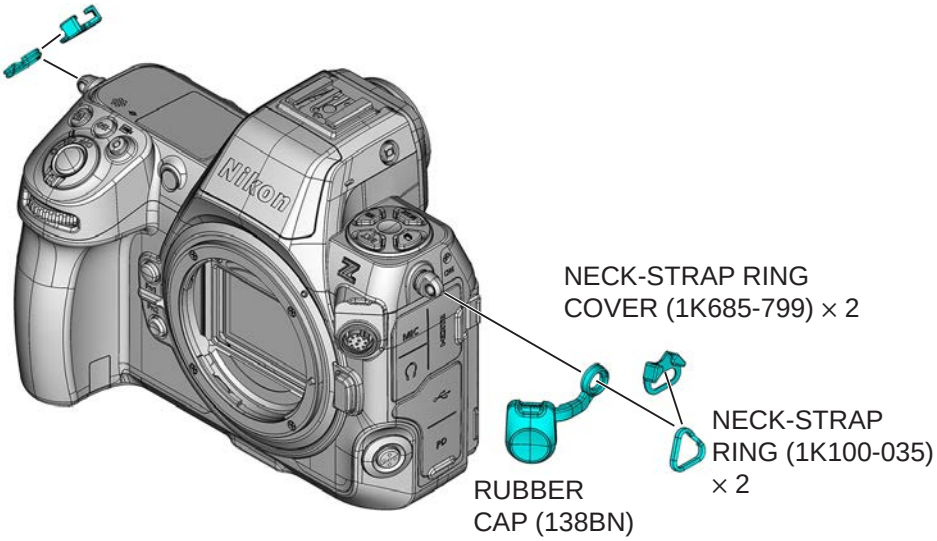
LICENSE LABEL



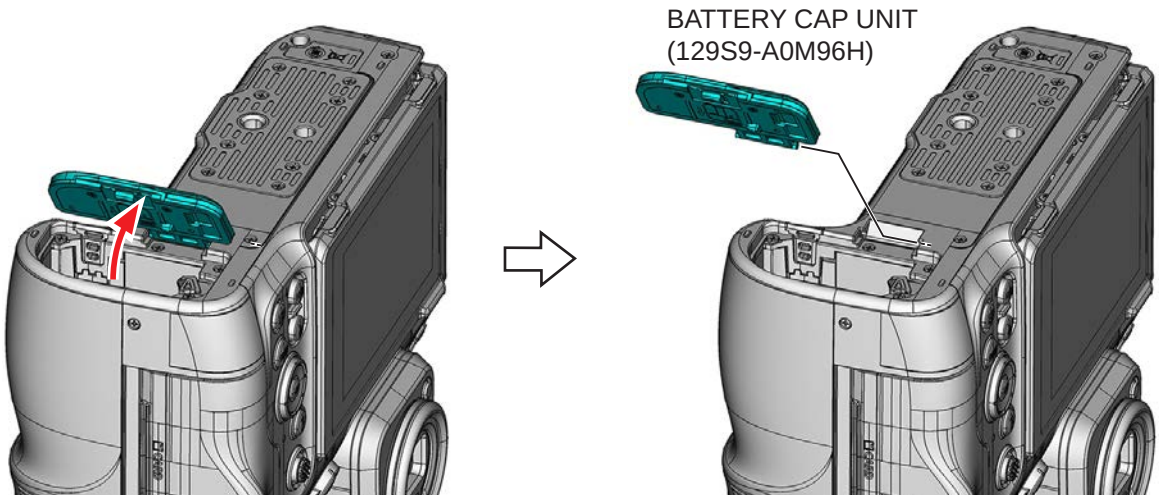
This is covered with DOUBLE STICK TAPE.
Apply ethyl alcohol and use a cutter or other fine-tipped tool to remove it. Be careful not to scratch it with the cutter.



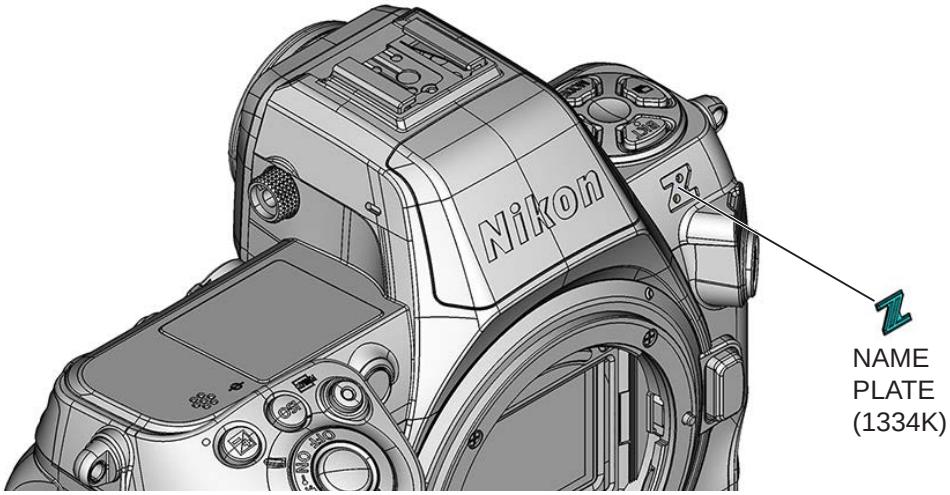
NECK-STRAP RING



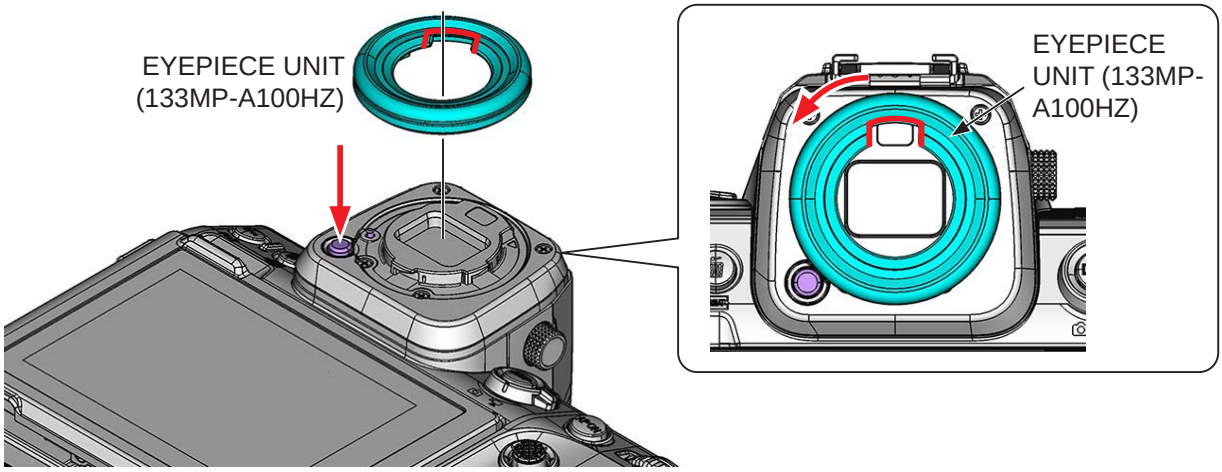
BATTERY CAP UNIT

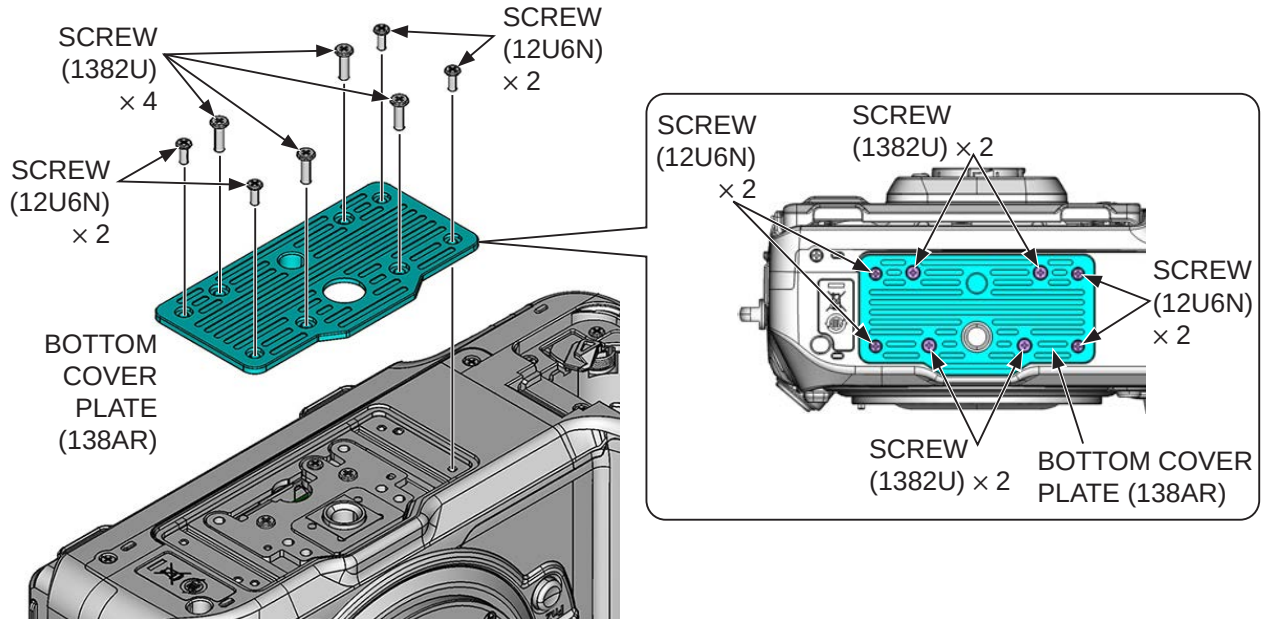


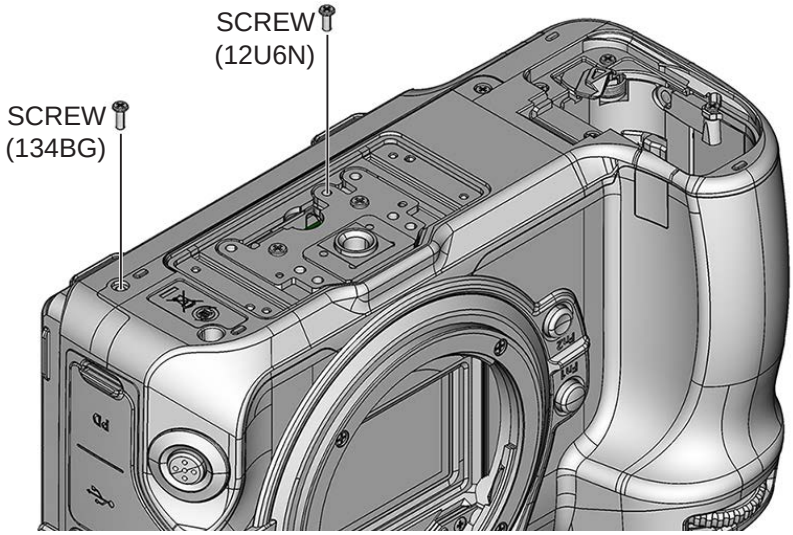
NAME PLATE

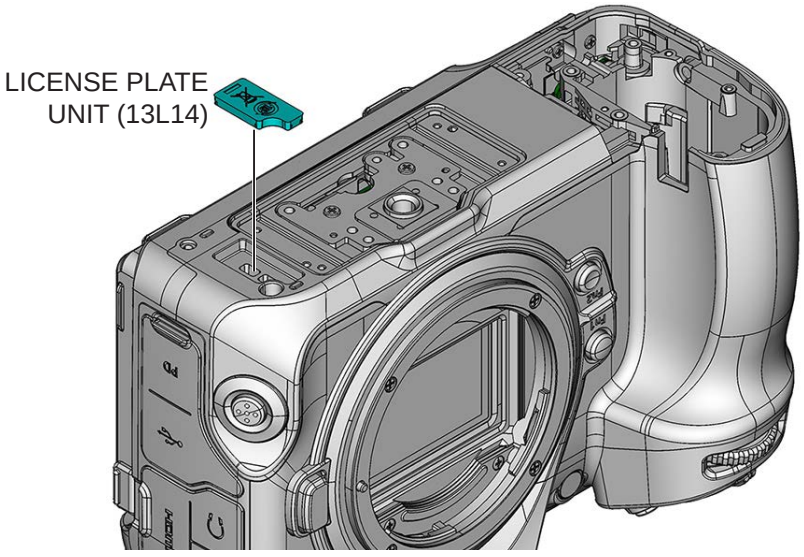


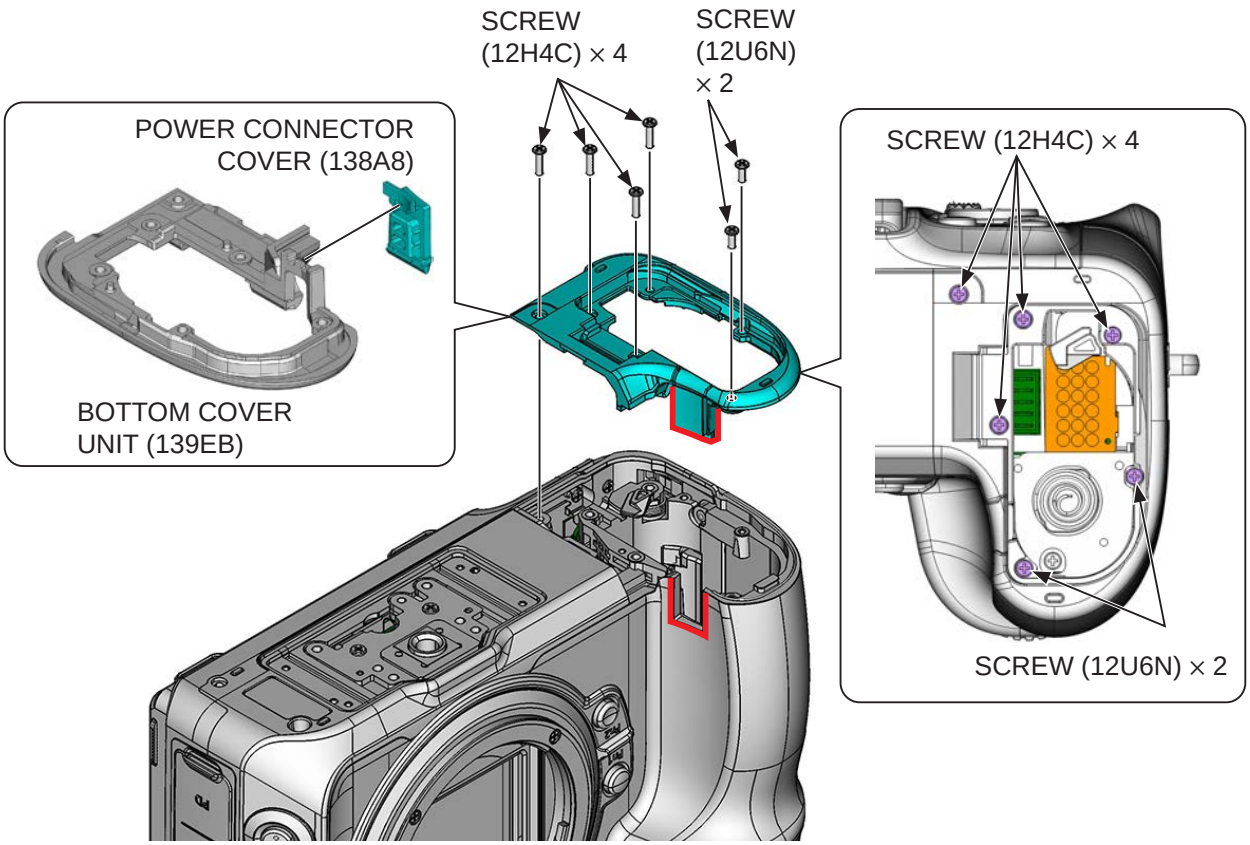
EYEPIECE UNIT

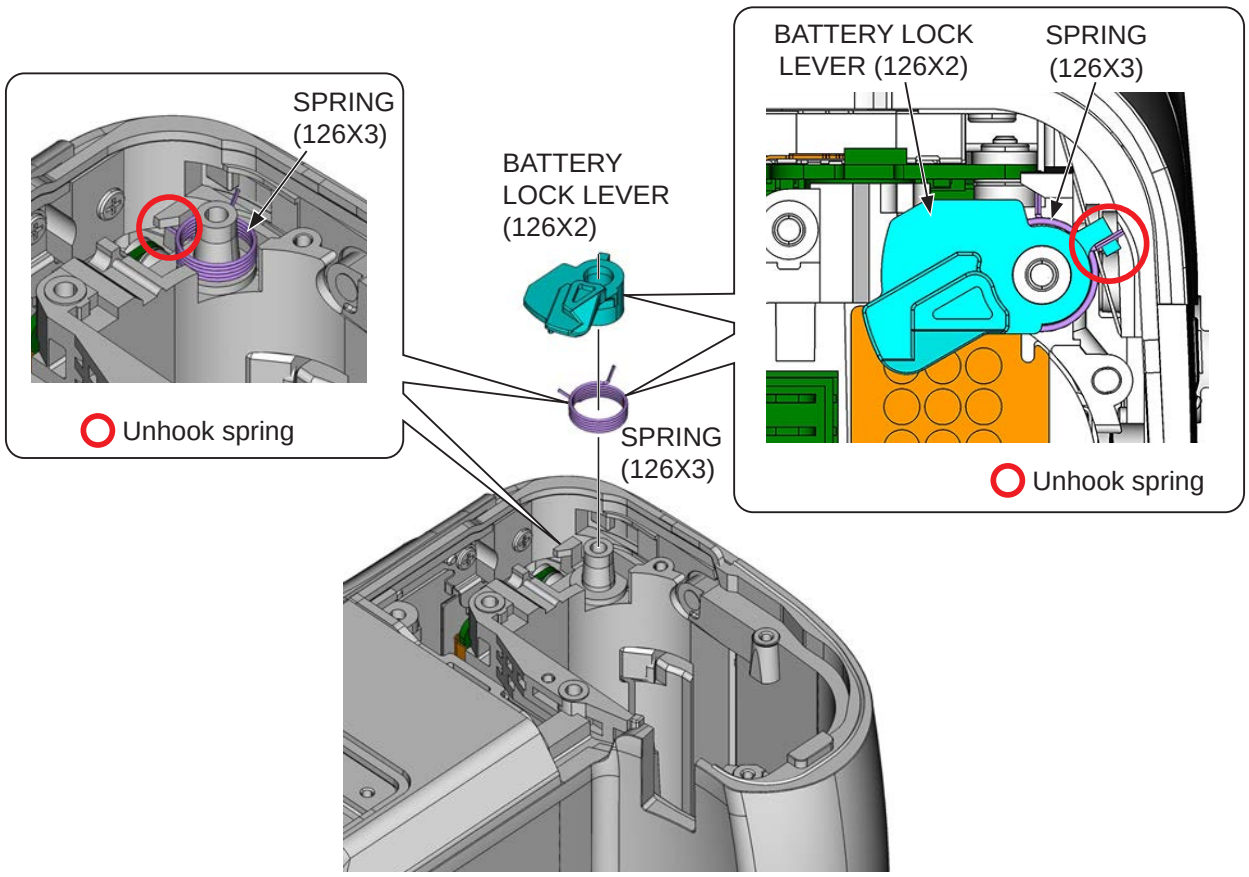



SCREW
(1382U)
× 4
SCREW
(12U6N)
× 2
SCREW
(12U6N)
× 2
BOTTOM
COVER
PLATE
(138AR)
SCREW
(12U6N)
× 2
SCREW
(1382U) × 2
SCREW
(12U6N)
× 2
SCREW
(1382U) × 2
BOTTOM COVER
PLATE (138AR)

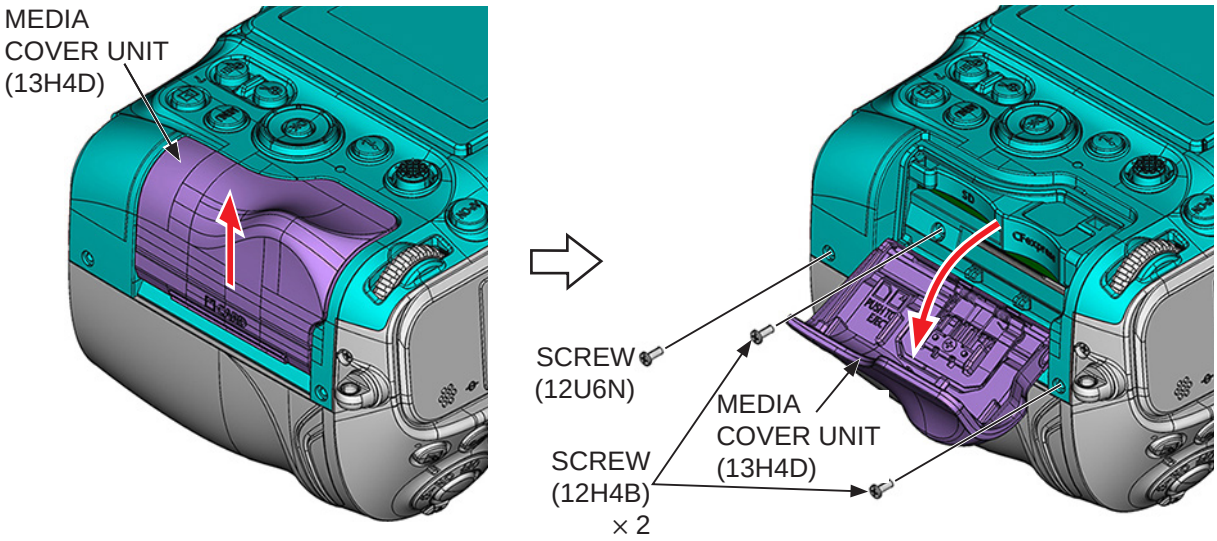

SCREW
(12U6N)
SCREW
(134BG)

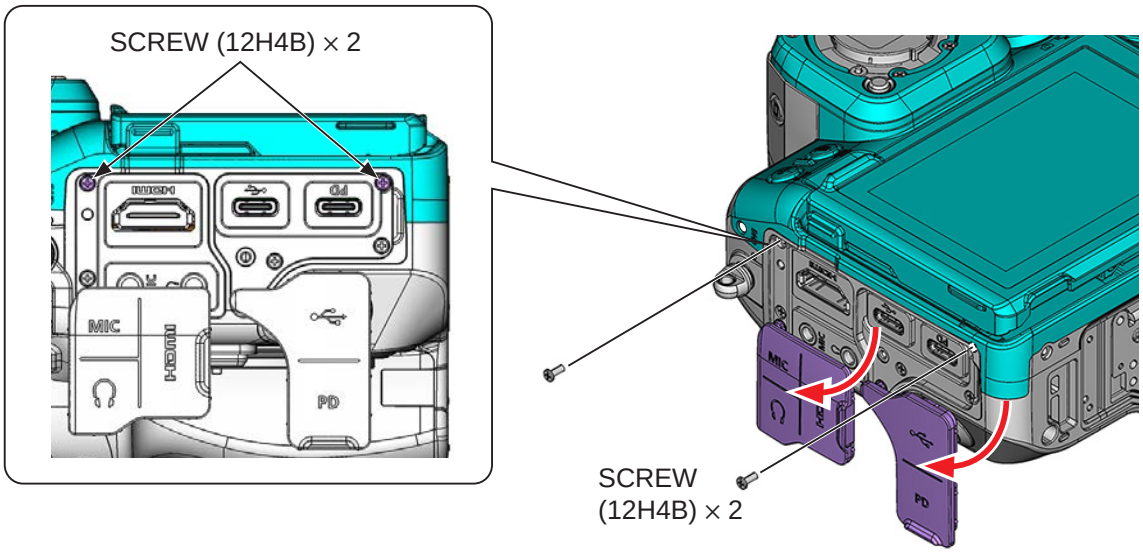

LICENSE PLATE
UNIT (13L14)

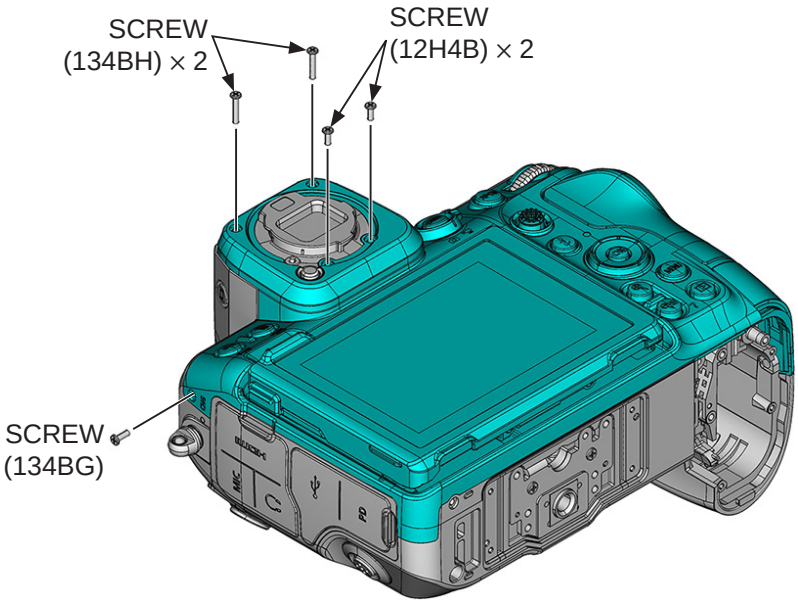

SCREW
(12H4C) × 4
SCREW
(12U6N)
× 2
POWER CONNECTOR
COVER (138A8)
BOTTOM COVER
UNIT (139EB)
SCREW (12H4C) × 4
SCREW (12U6N) × 2

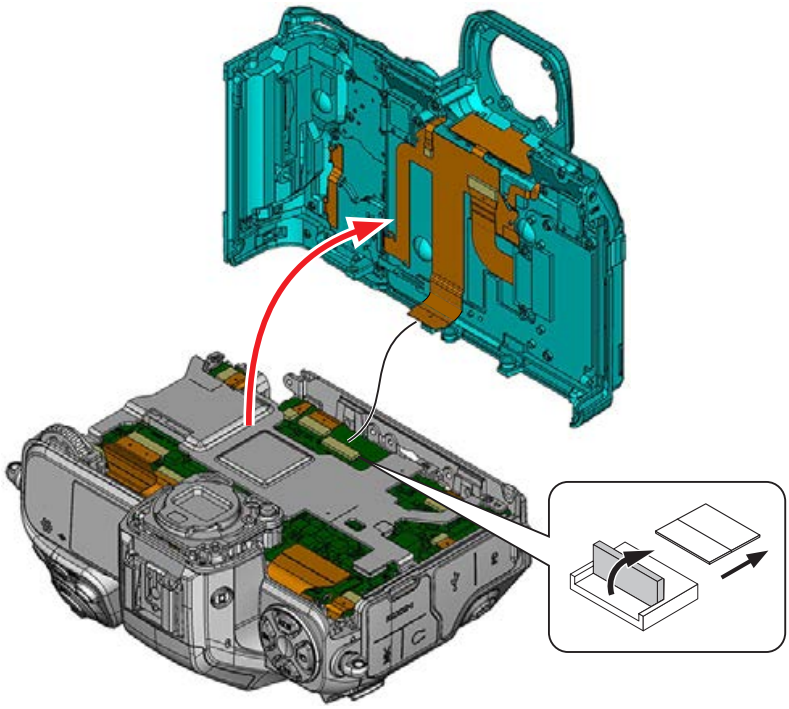

SPRING
(126X3)
Unhook spring
BATTERY
LOCK LEVER
(126X2)
SPRING
(126X3)
BATTERY LOCK
LEVER (126X2)
SPRING
(126X3)
Unhook spring

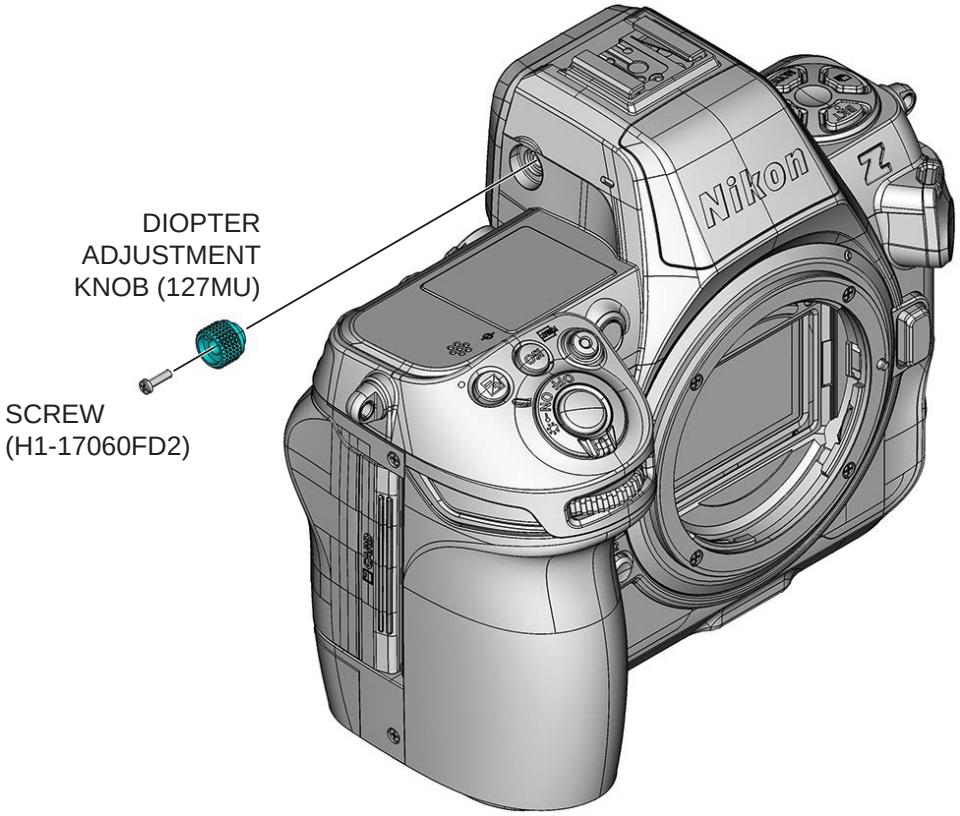
REAR COVER UNIT

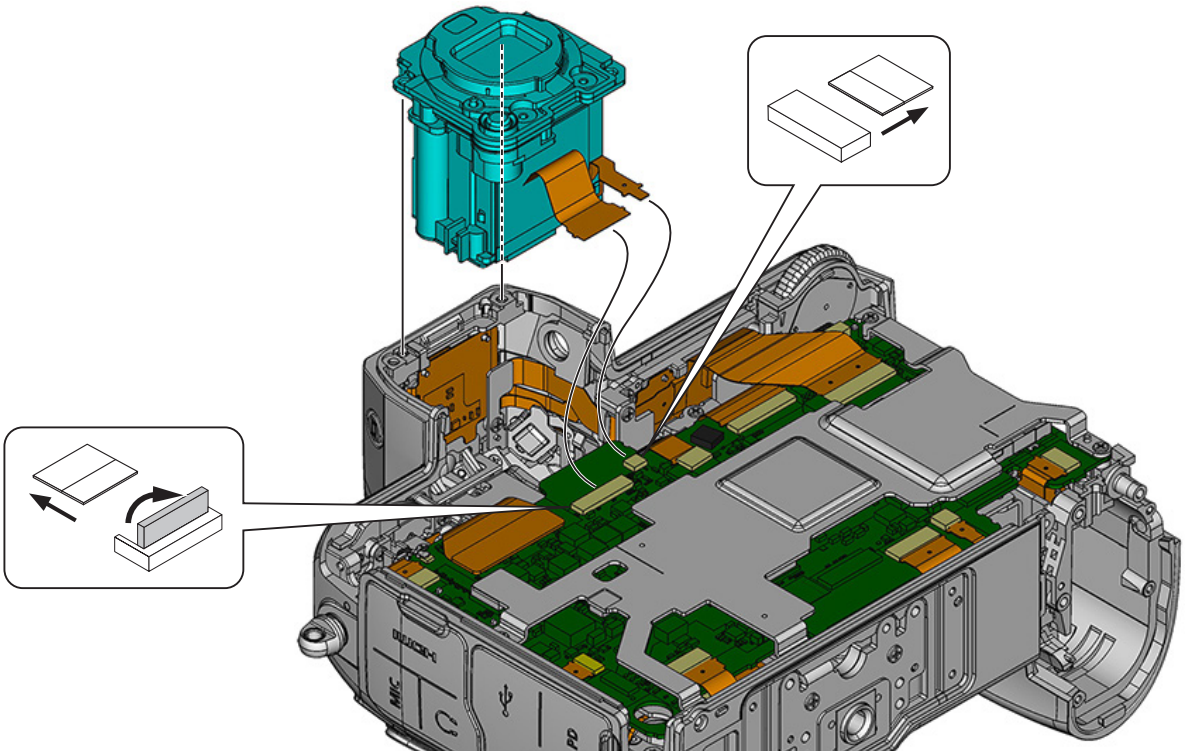


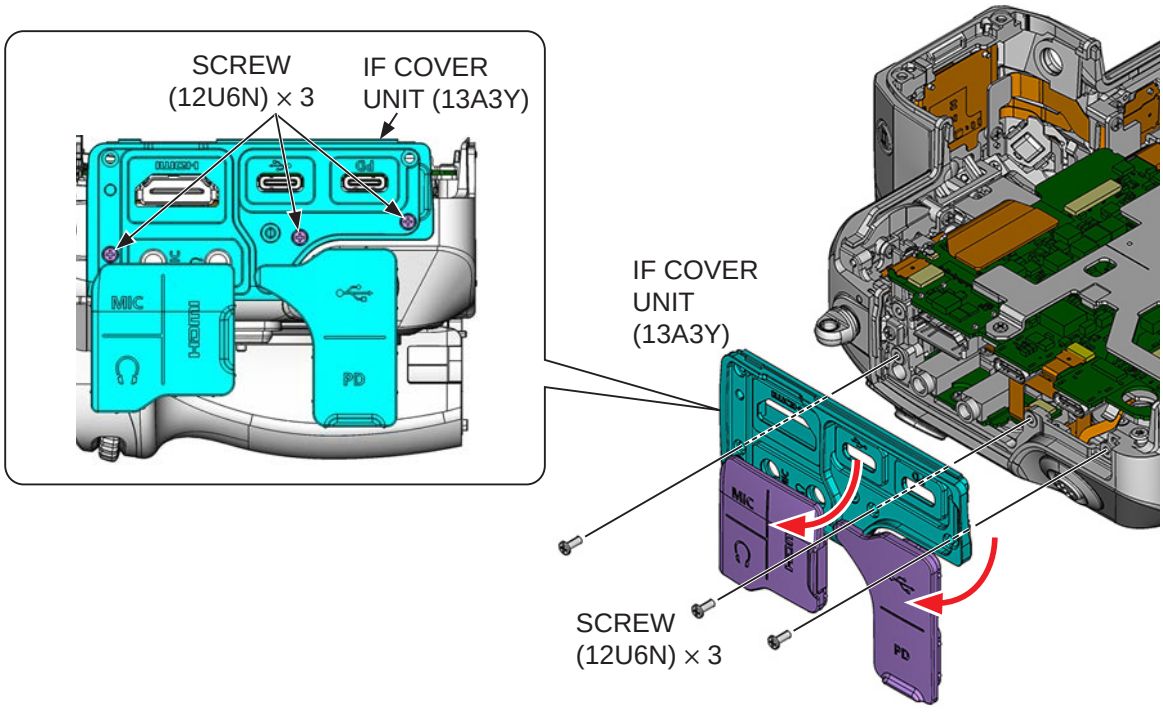




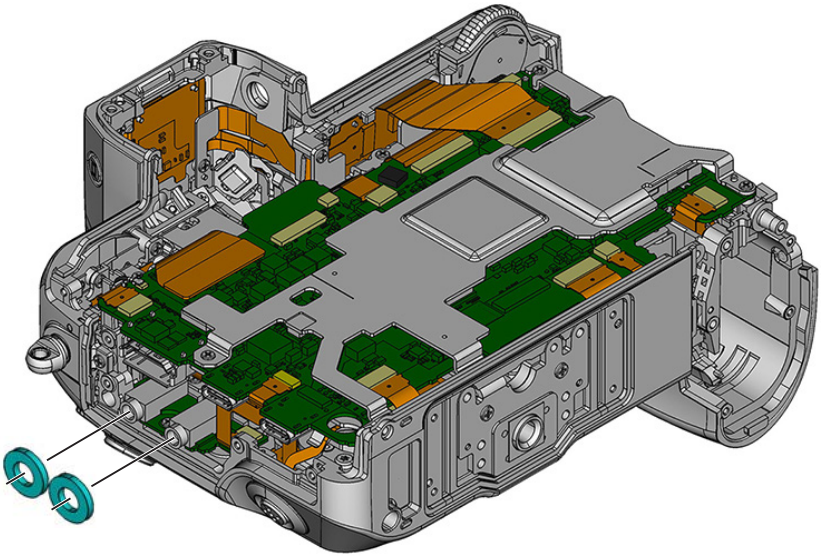


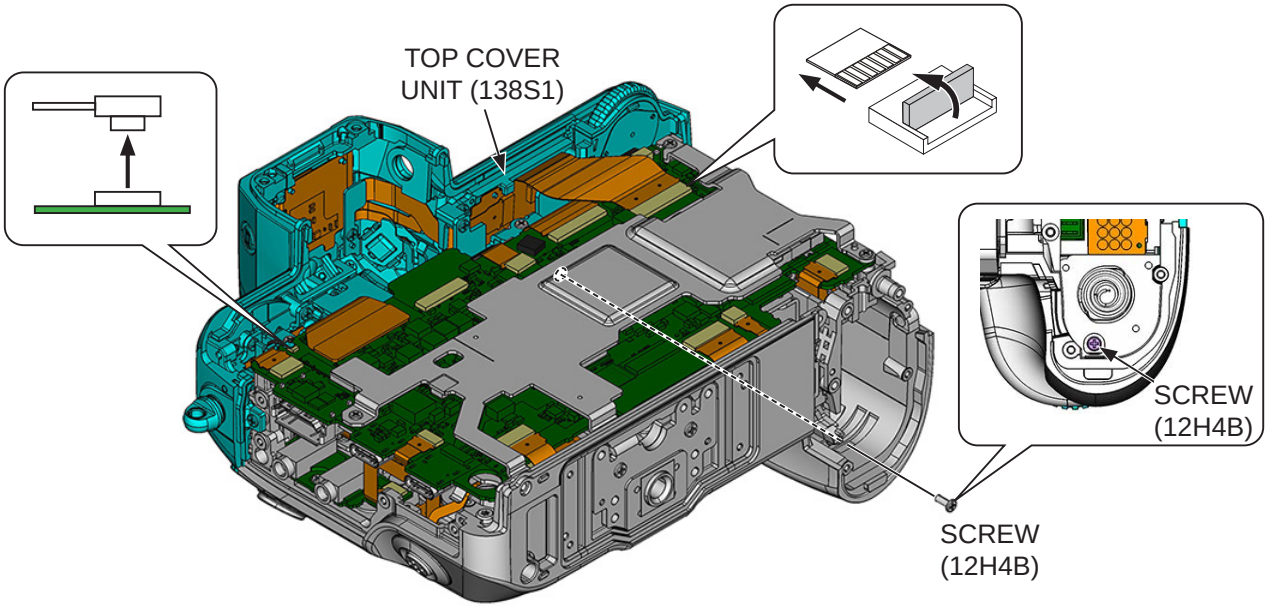

DIOPTER
ADJUSTMENT
KNOB (127MU)
SCREW
(H1-17060FD2)
Nikon

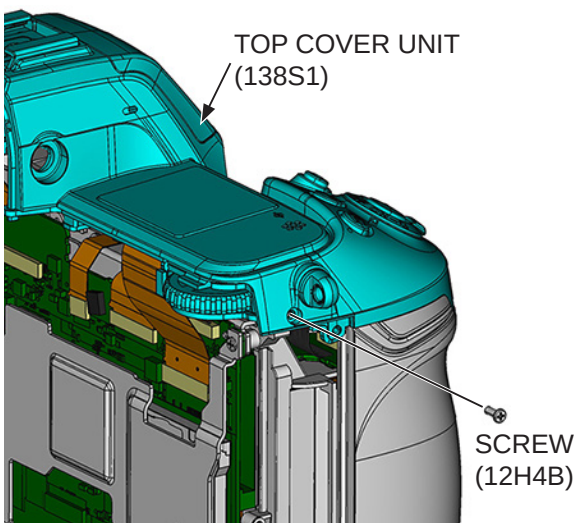


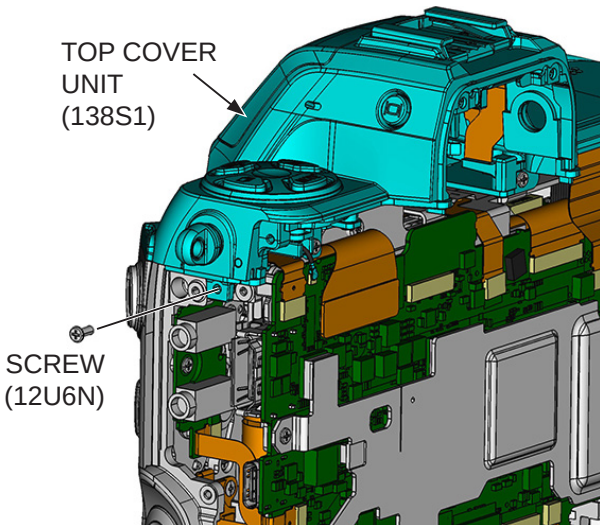

SCREW
(12U6N) × 3
IF COVER
UNIT (13A3Y)
IF COVER
UNIT
(13A3Y)
SCREW
(12U6N) × 3

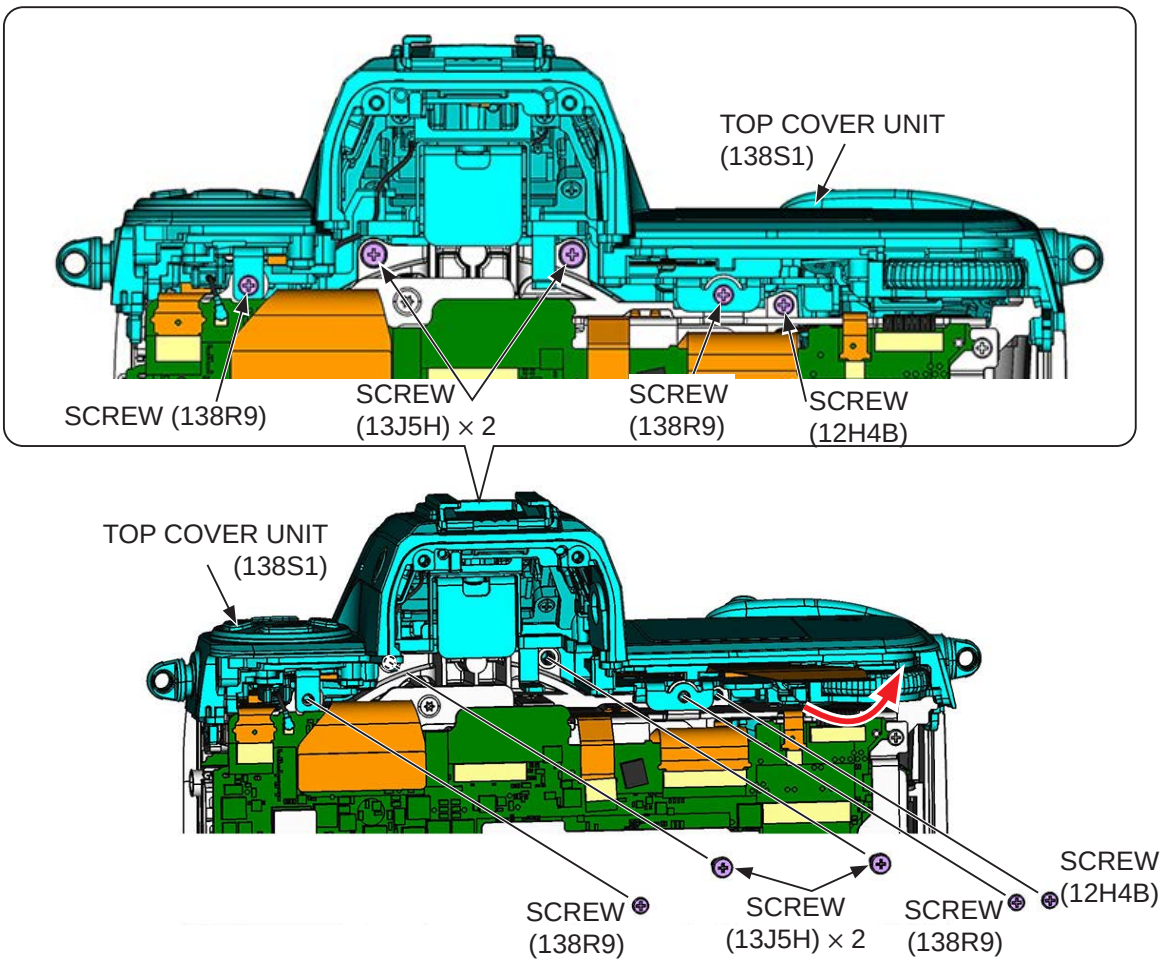
TOP COVER UNIT

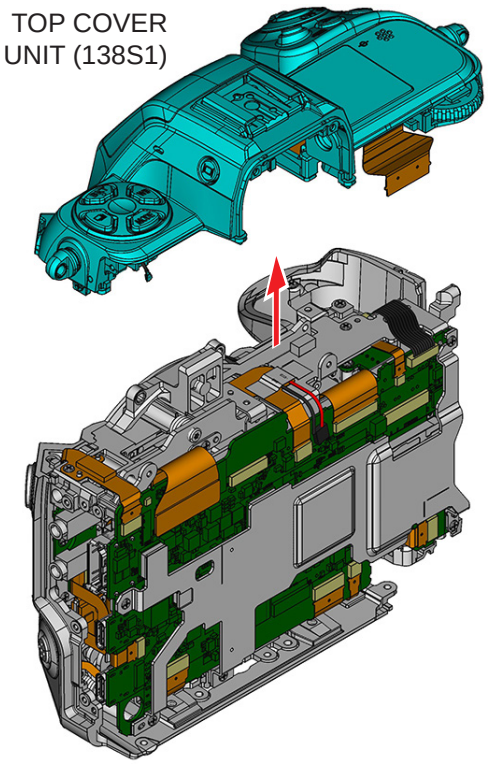




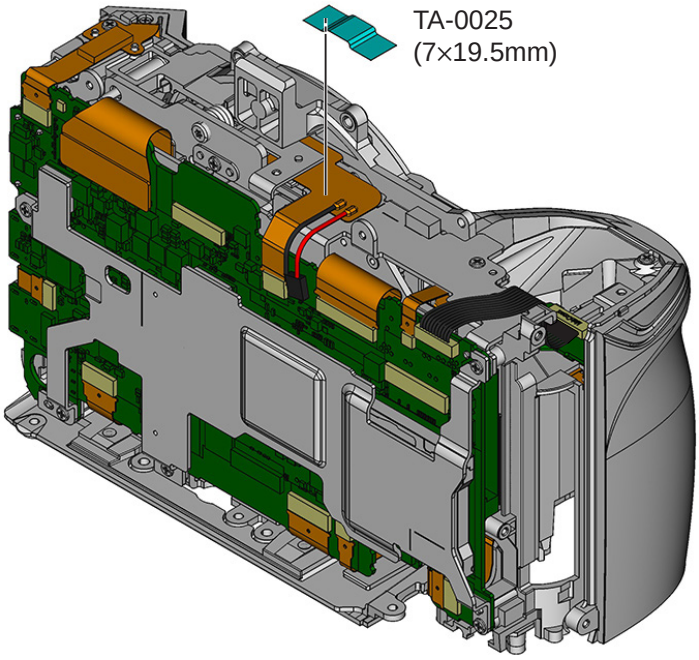




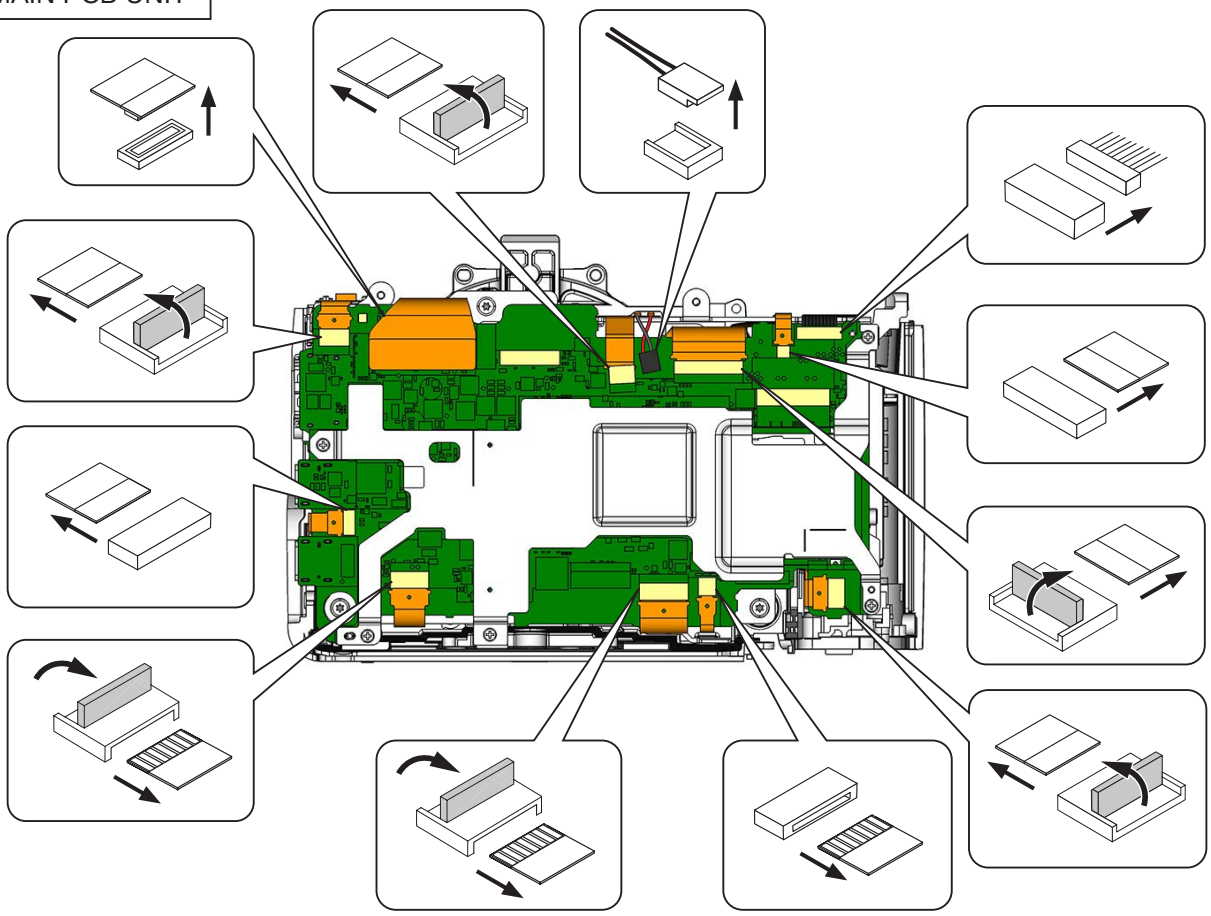

TOP COVER UNIT
(138S1)
SCREW (138R9)
SCREW
(13J5H) × 2
SCREW
(138R9)
SCREW
(12H4B)
TOP COVER UNIT
(138S1)
SCREW
(138R9)
SCREW
(13J5H) × 2
SCREW
(138R9)
SCREW
(12H4B)

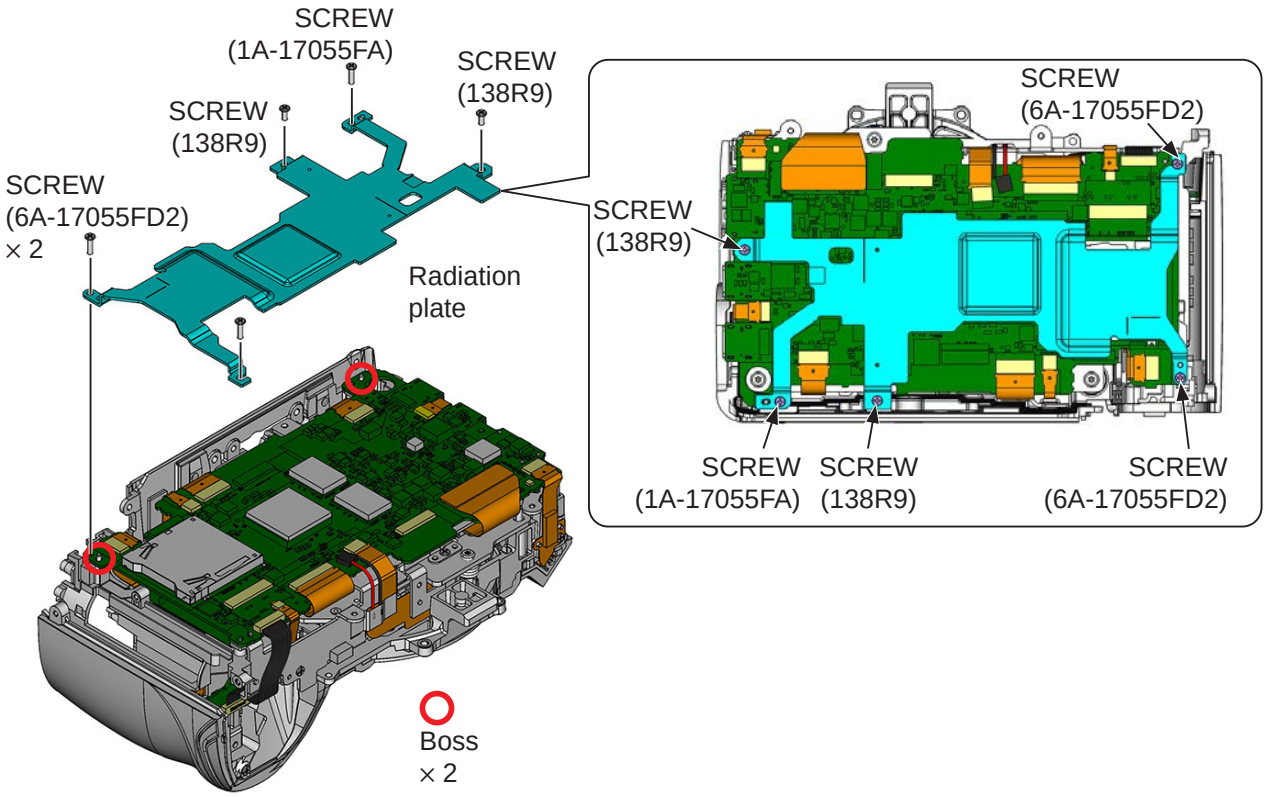

TOP COVER
UNIT (138S1)

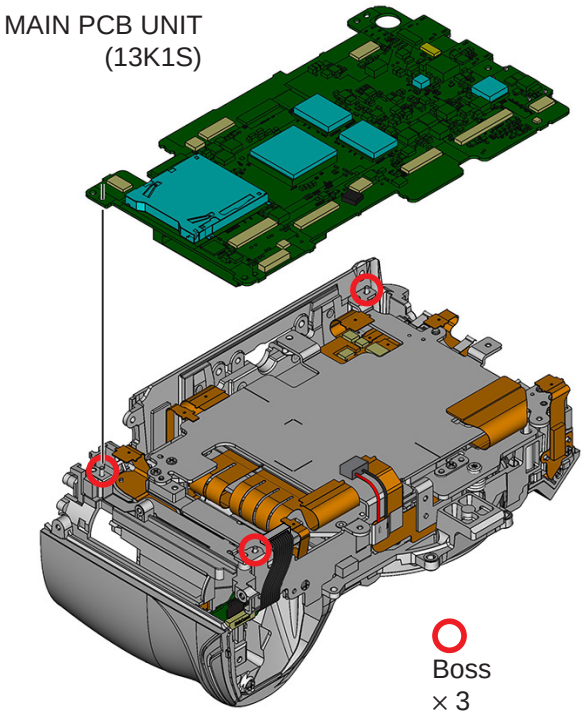
2. Front body

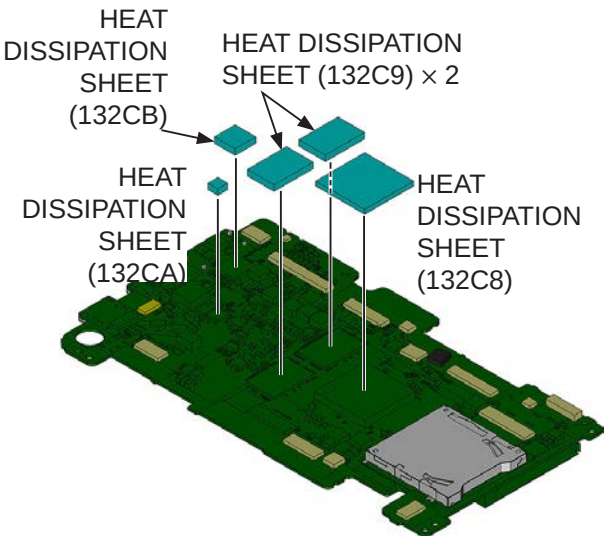


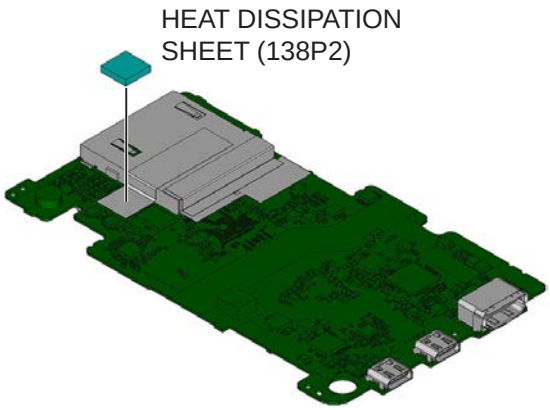
MAIN PCB UNIT

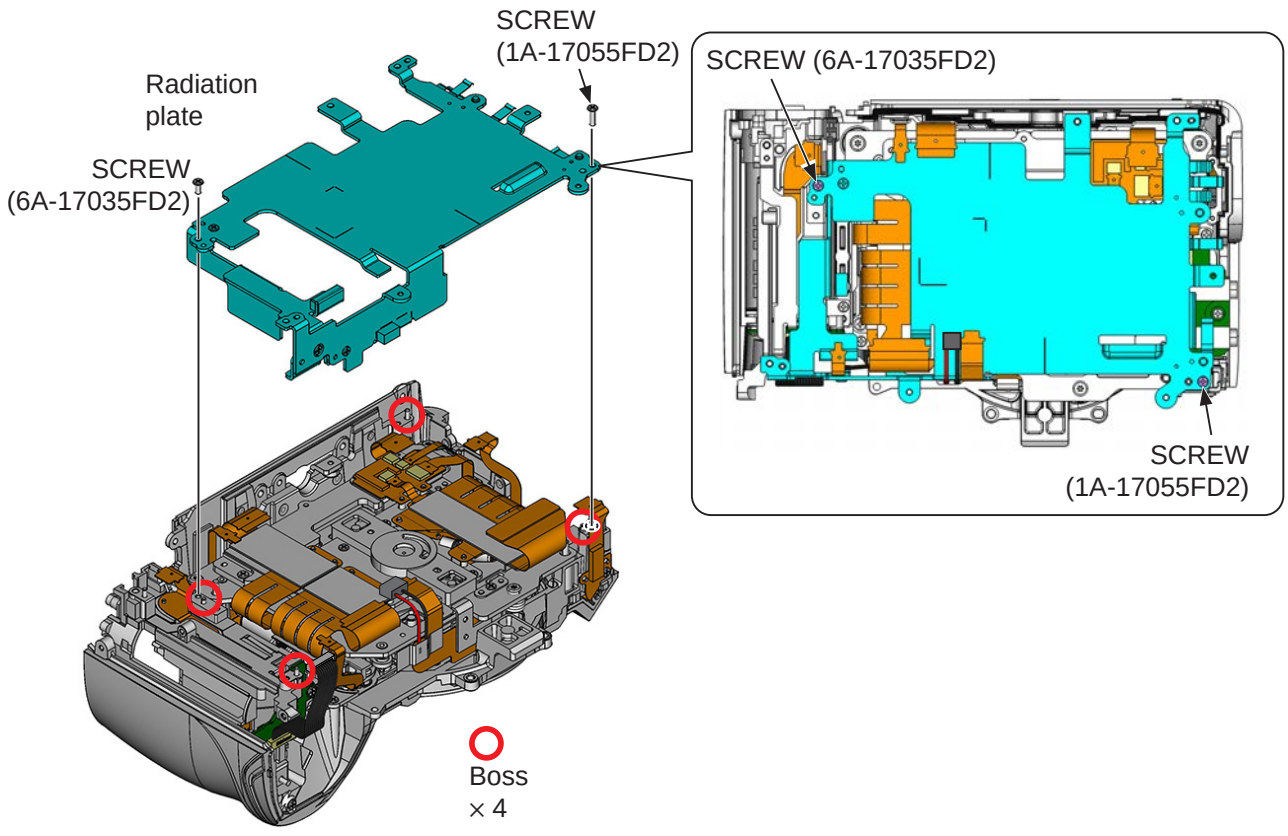


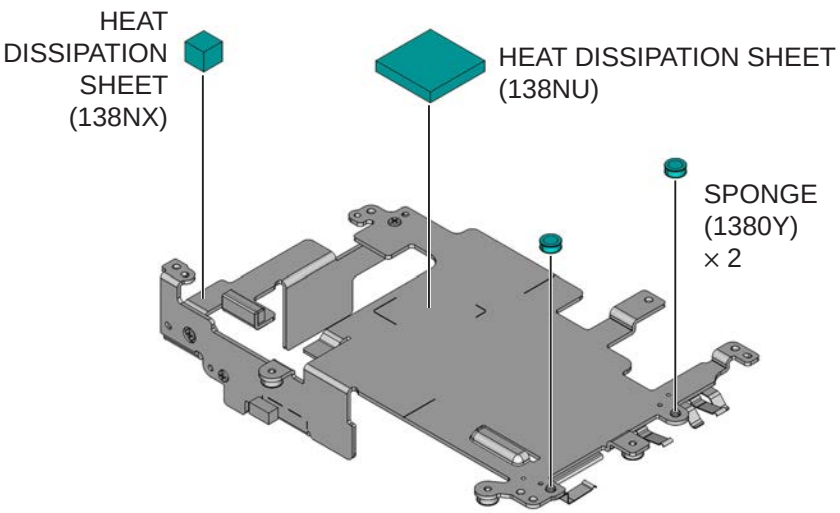

SCREW
(1A-17055FA)
SCREW
(138R9)
SCREW
(138R9)
SCREW
(6A-17055FD2)
× 2
Radiation
plate
Boss
× 2
SCREW
(6A-17055FD2)
SCREW
(138R9)
SCREW
(1A-17055FA)
SCREW
(138R9)
SCREW
(6A-17055FD2)

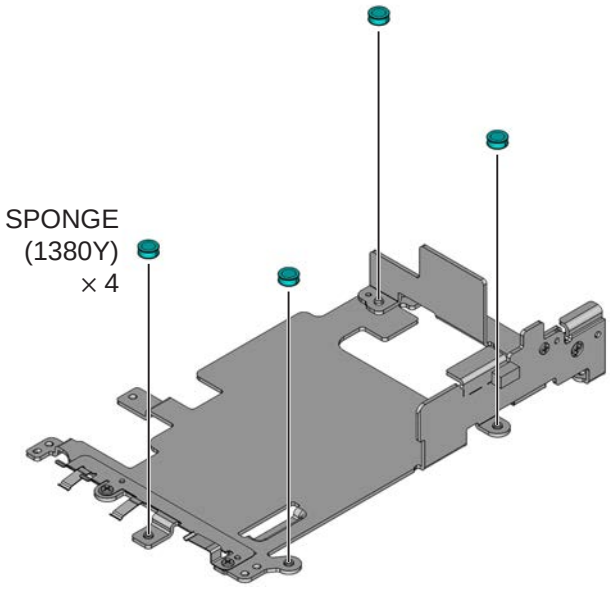

MAIN PCB UNIT
(13K1S)
Boss
× 3

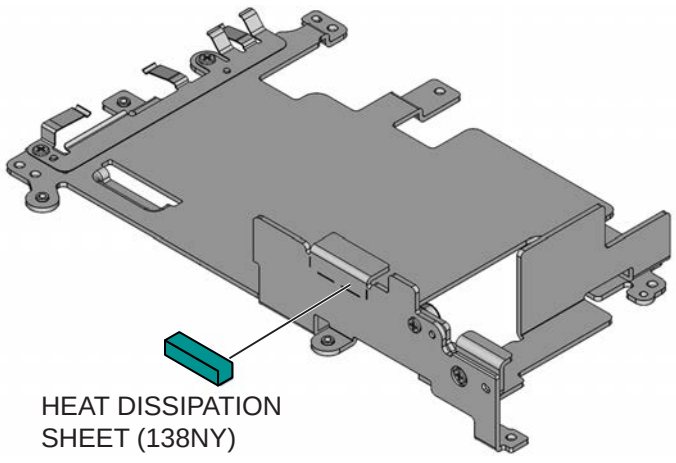

HEAT DISSIPATION SHEET (132CB)
HEAT DISSIPATION SHEET (132C9) × 2
HEAT DISSIPATION SHEET (132CA)
HEAT DISSIPATION SHEET (132C8)

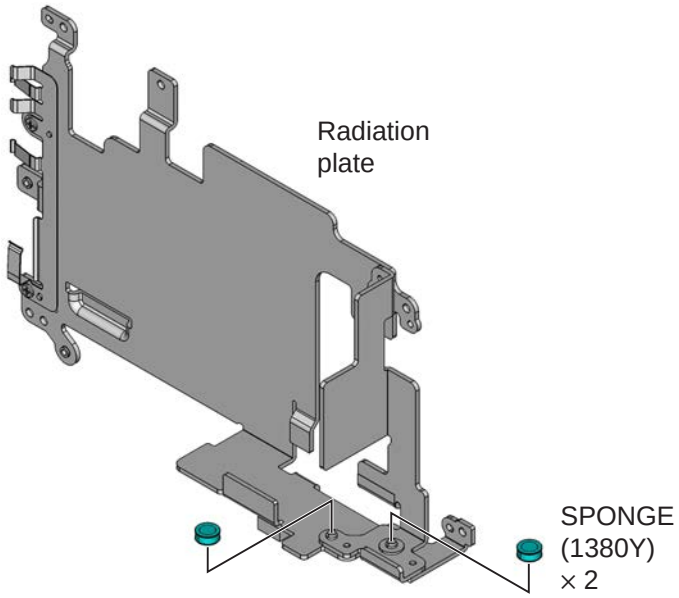

HEAT DISSIPATION SHEET (138P2)


SCREW (1A-17055FD2)
Radiation plate
SCREW (6A-17035FD2)
Boss × 4
SCREW (6A-17035FD2)
SCREW (1A-17055FD2)

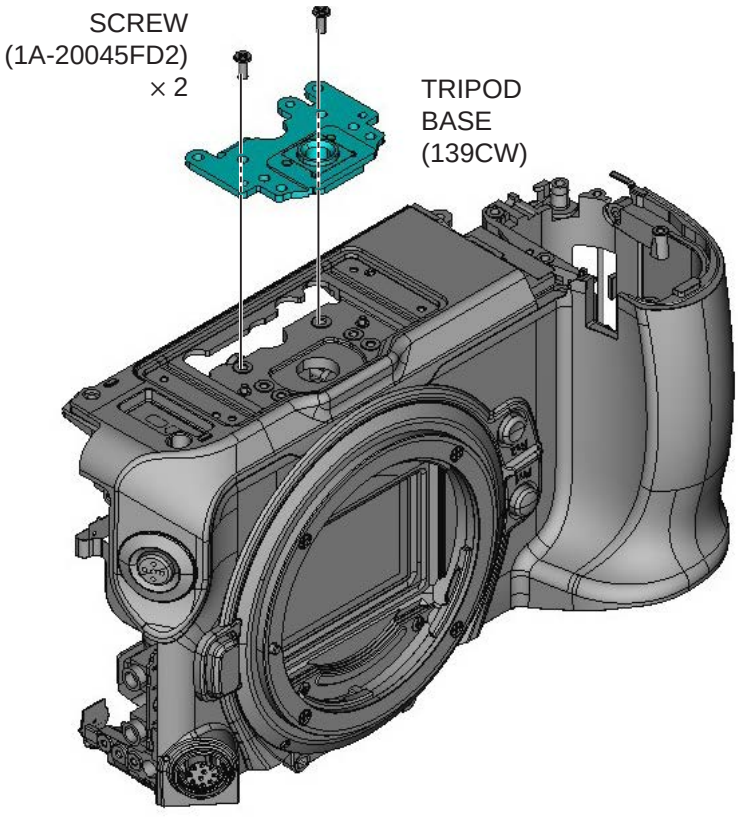

HEAT
DISSIPATION
SHEET
(138NX)
HEAT DISSIPATION SHEET
(138NU)
SPONGE
(1380Y)
× 2


SPONGE
(1380Y)
× 4

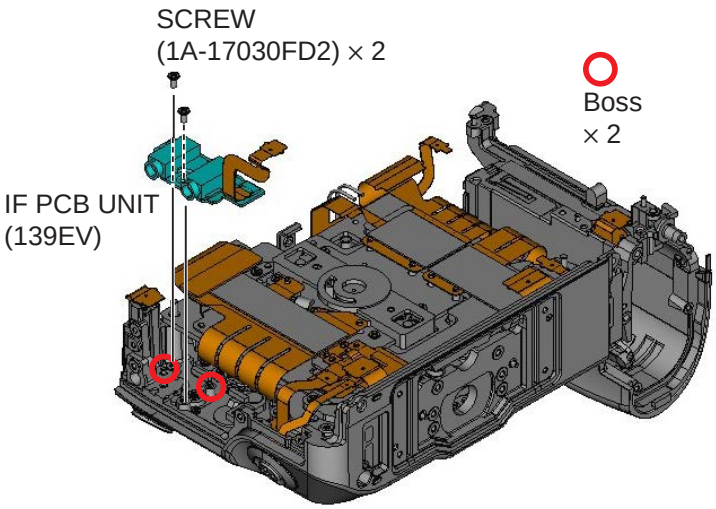

HEAT DISSIPATION
SHEET (138NY)



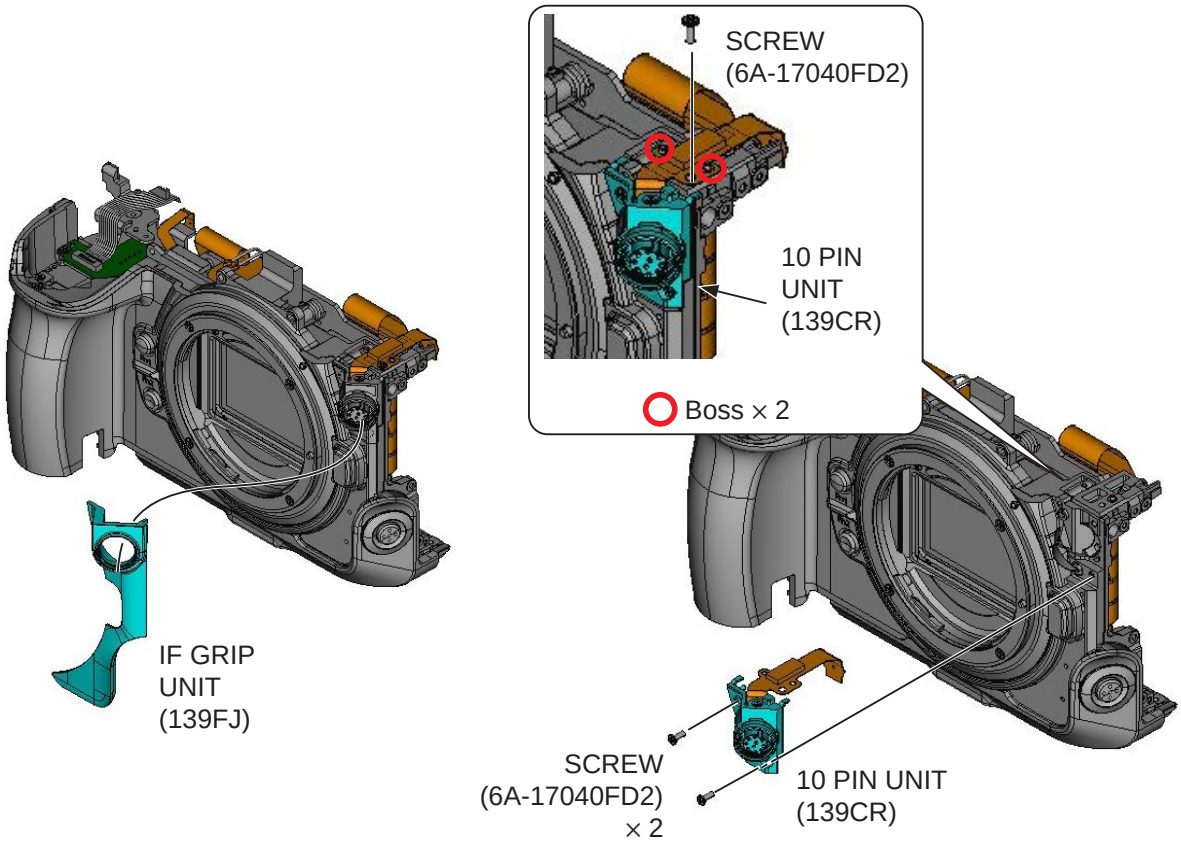
IMAGING BRACKET UNIT



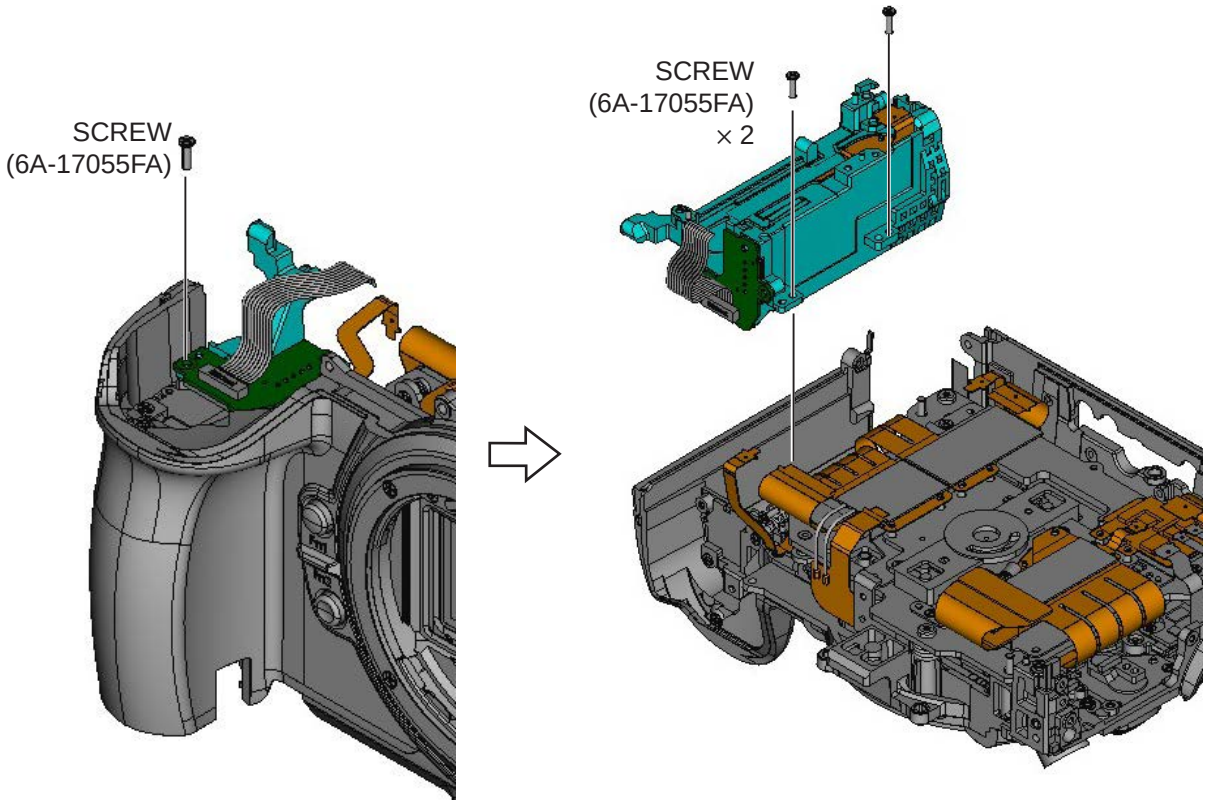
IF PCB UNIT

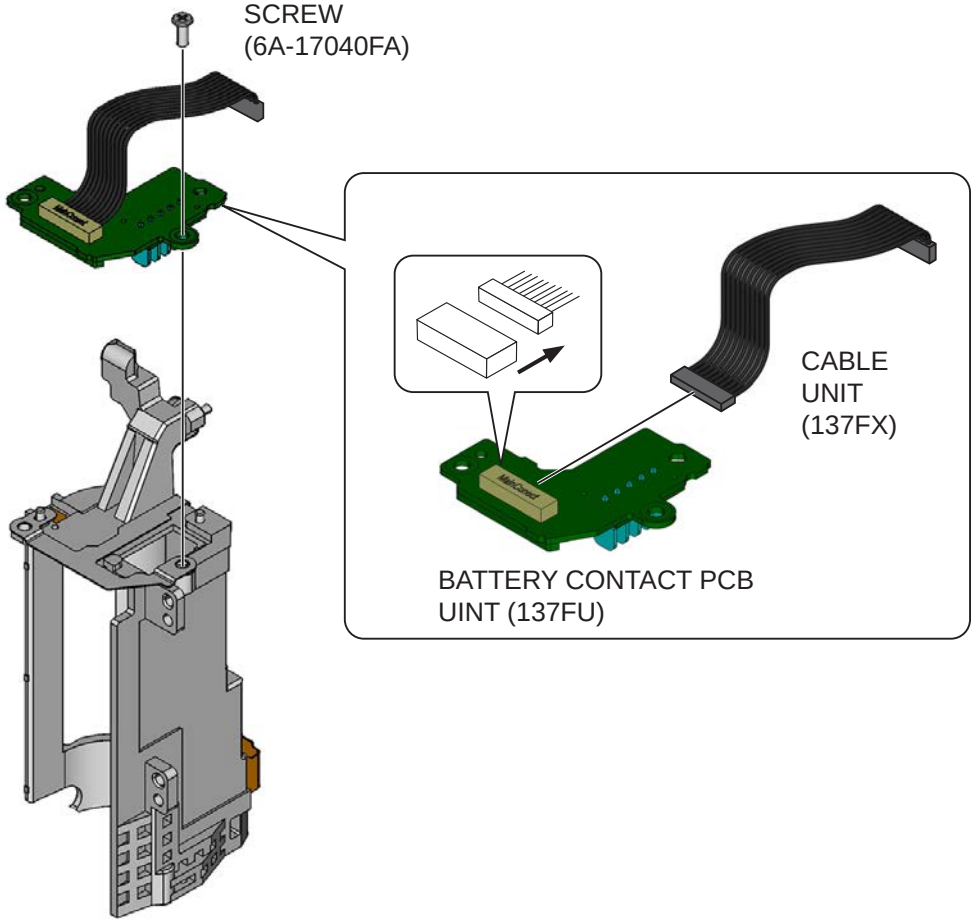


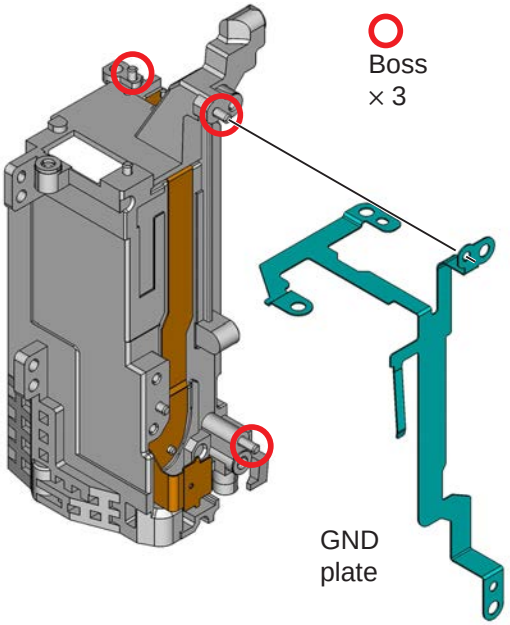
10 PIN UNIT

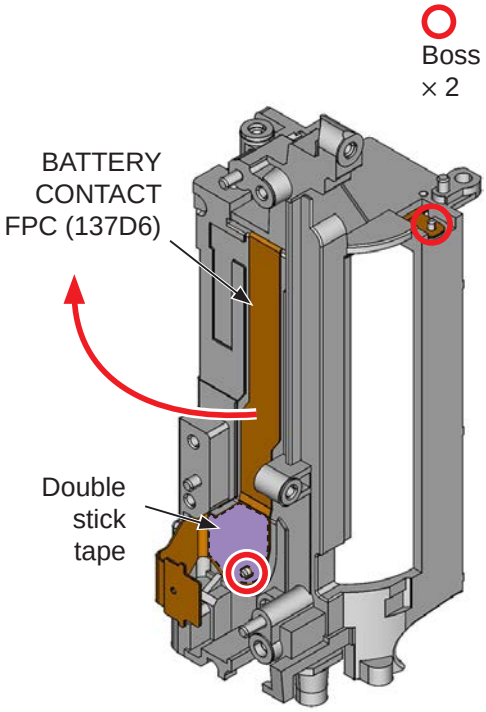


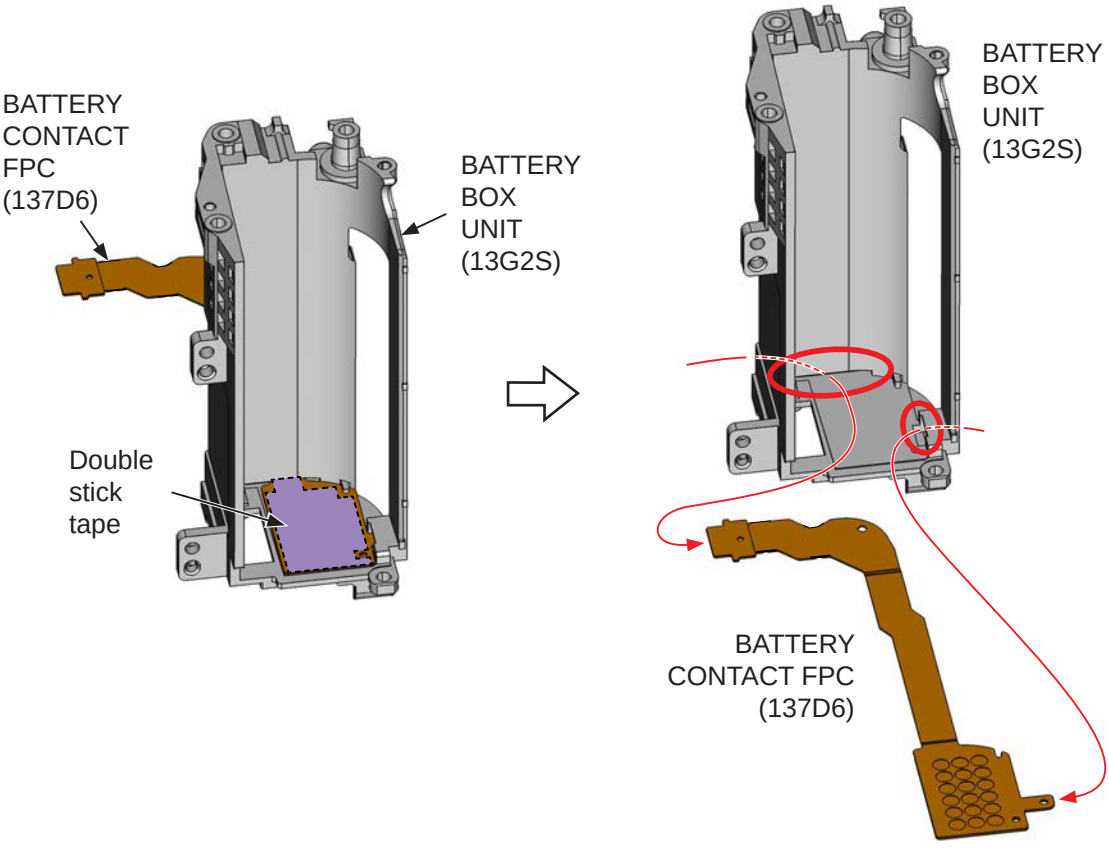
BATTERY BOX UNIT

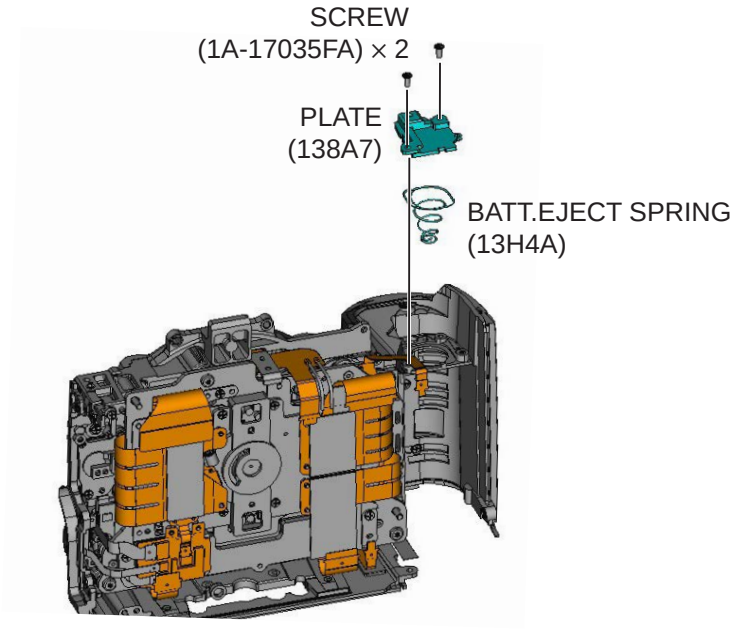


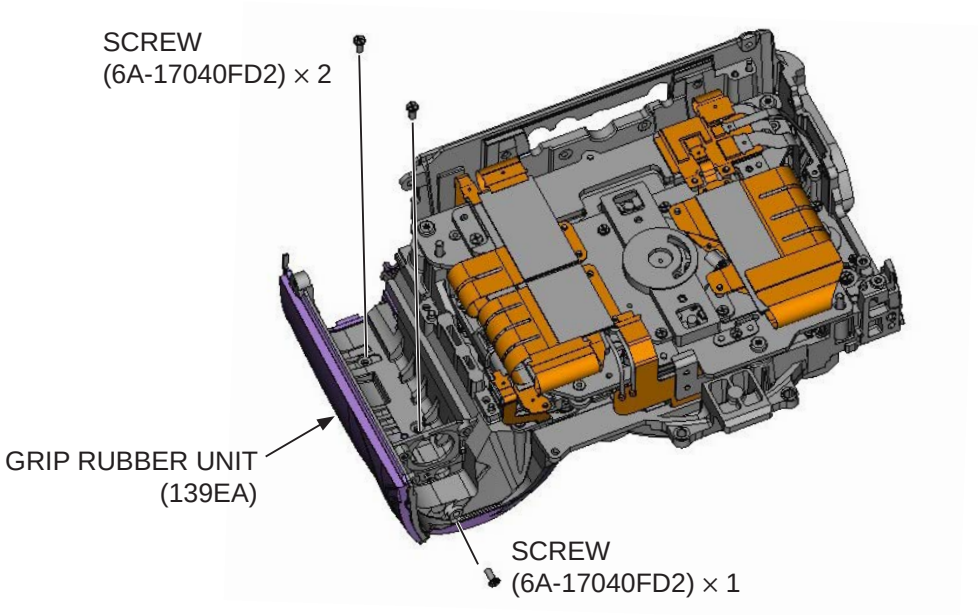


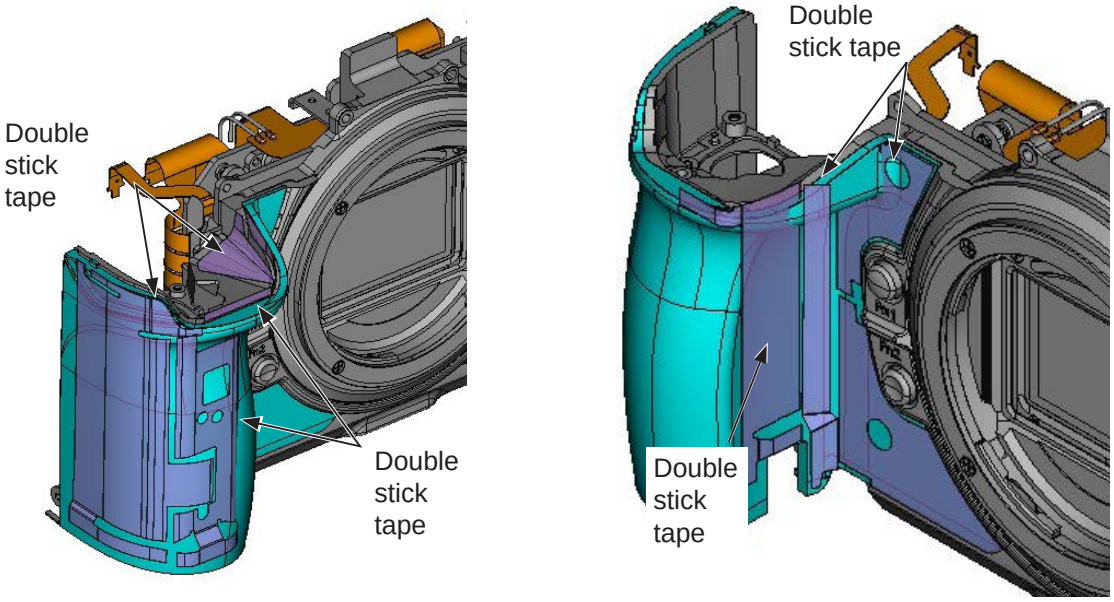

Boss
× 3
GND
plate

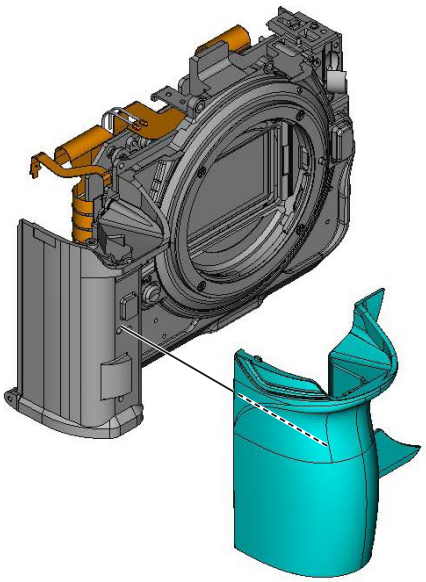

Boss
× 2
BATTERY
CONTACT
FPC (137D6)
Double
stick
tape


BATTERY
CONTACT
FPC
(137D6)
BATTERY
BOX
UNIT
(13G2S)
Double
stick
tape
BATTERY
BOX
UNIT
(13G2S)
BATTERY
CONTACT FPC
(137D6)

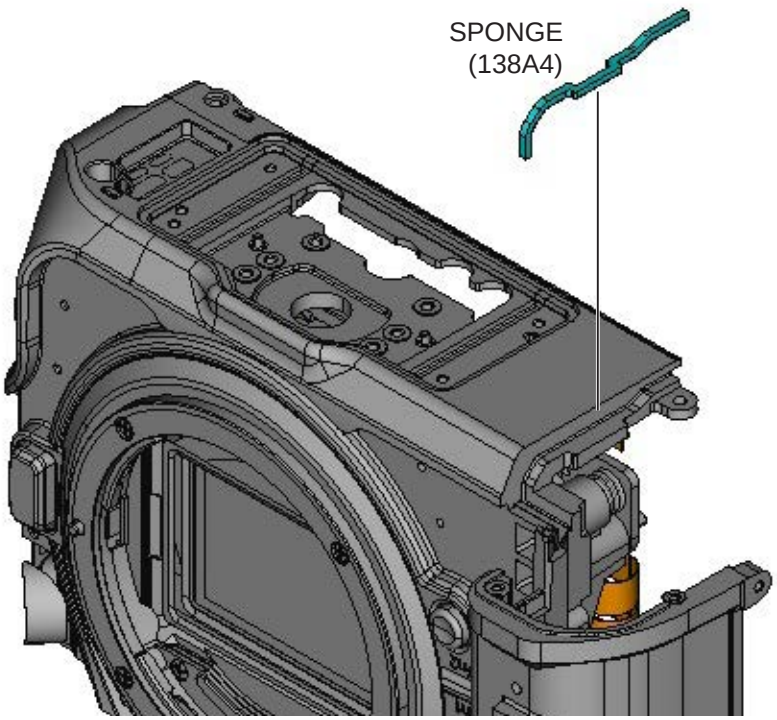

SCREW
(1A-17035FA) × 2
PLATE
(138A7)
BATT.EJECT SPRING
(13H4A)


SCREW
(6A-17040FD2) × 2
GRIP RUBBER UNIT
(139EA)
SCREW
(6A-17040FD2) × 1

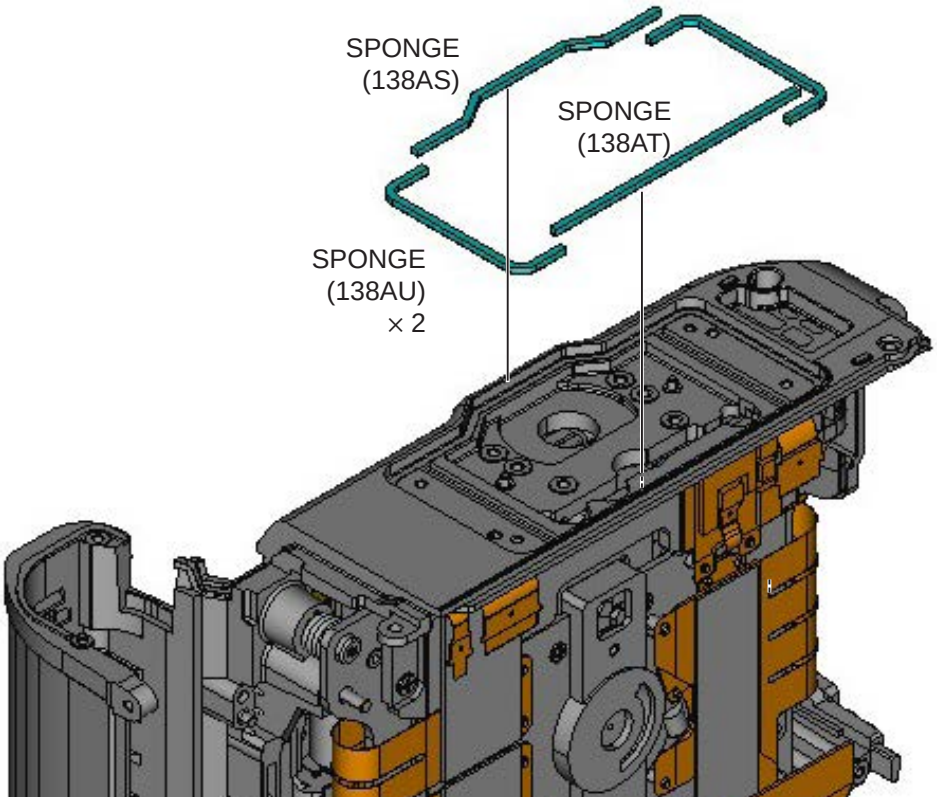

Double
stick
tape
Double
stick
tape
Double
stick tape
Double
stick
tape

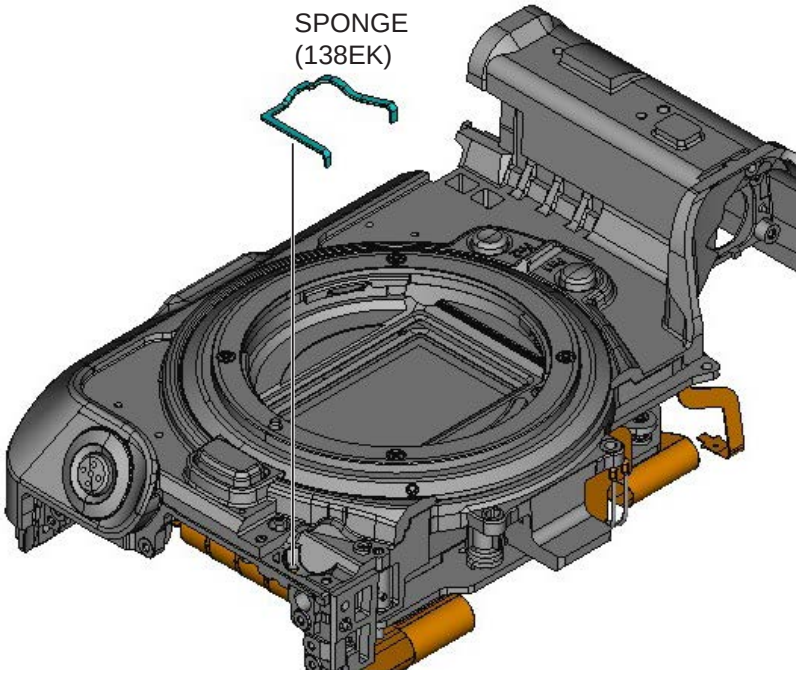


GRIP
RUBBER
UNIT
(139EA)

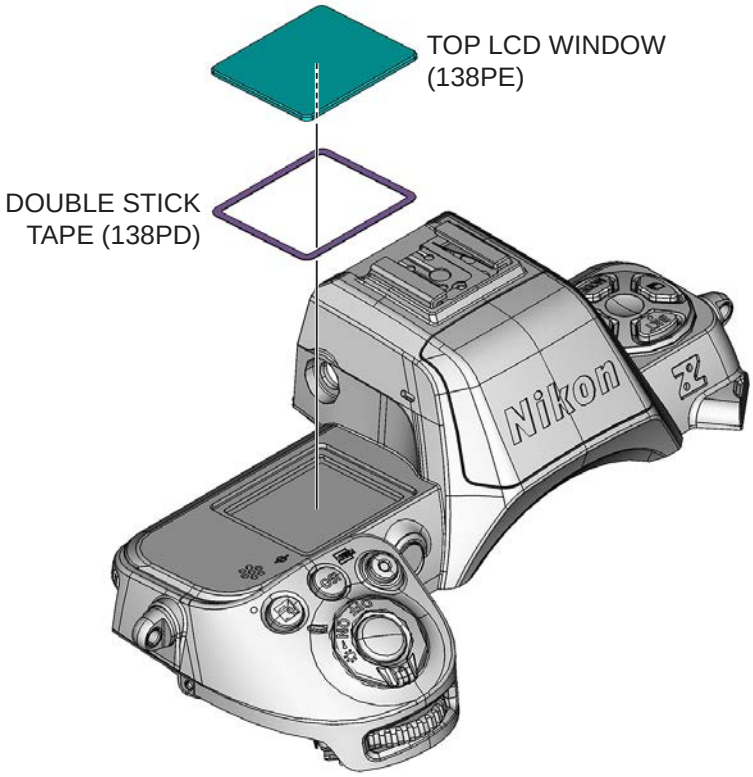


SPONGE
(138A4)

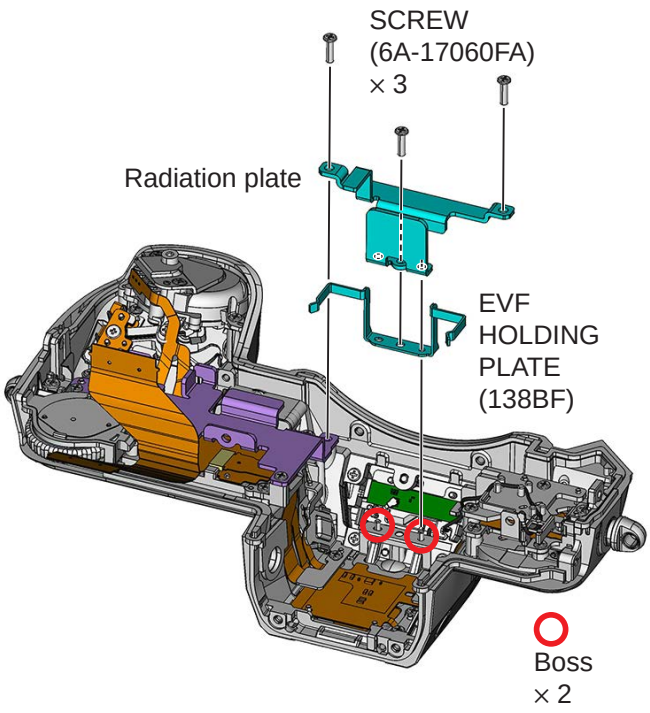

SPONGE
(138AS)
SPONGE
(138AT)
SPONGE
(138AU)
× 2

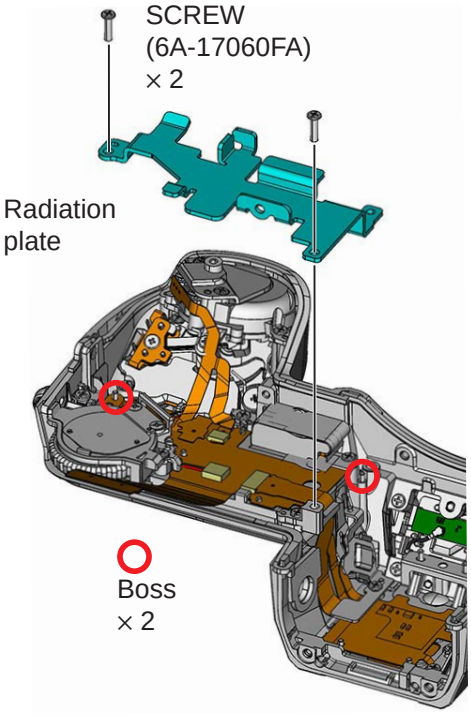

SPONGE
(138EK)

3. Top cover

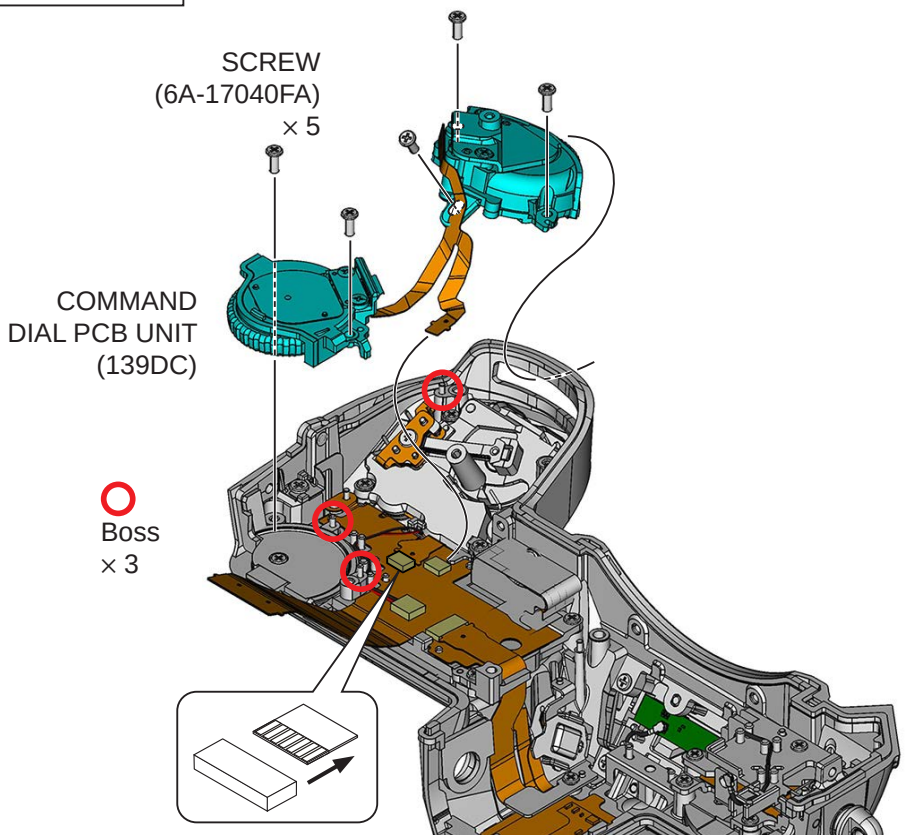


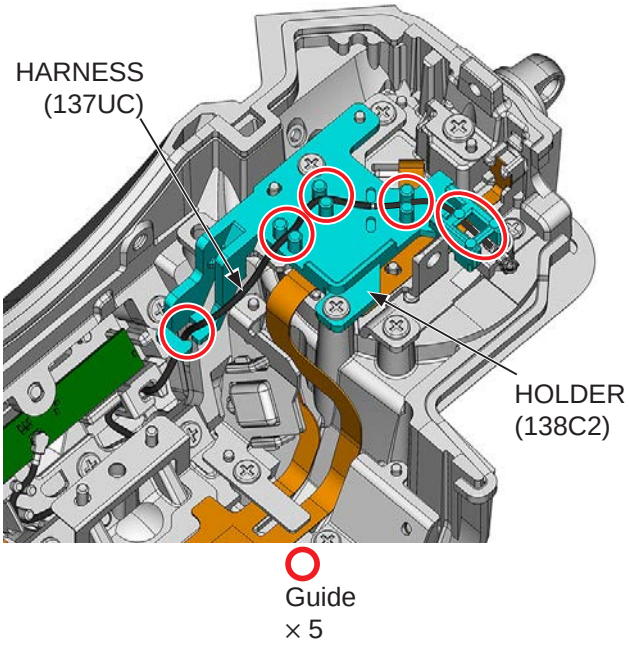
This is covered with DOUBLE STICK TAPE.
Apply ethyl alcohol and use a cutter or other fine-tipped tool to remove it. Be careful not to scratch it with the cutter.

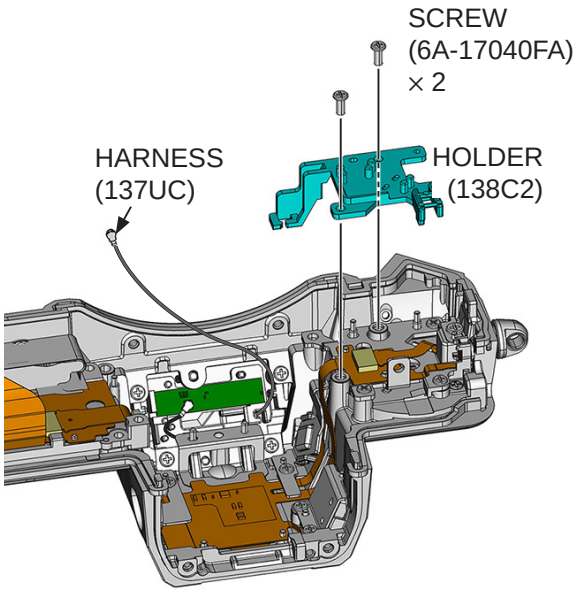


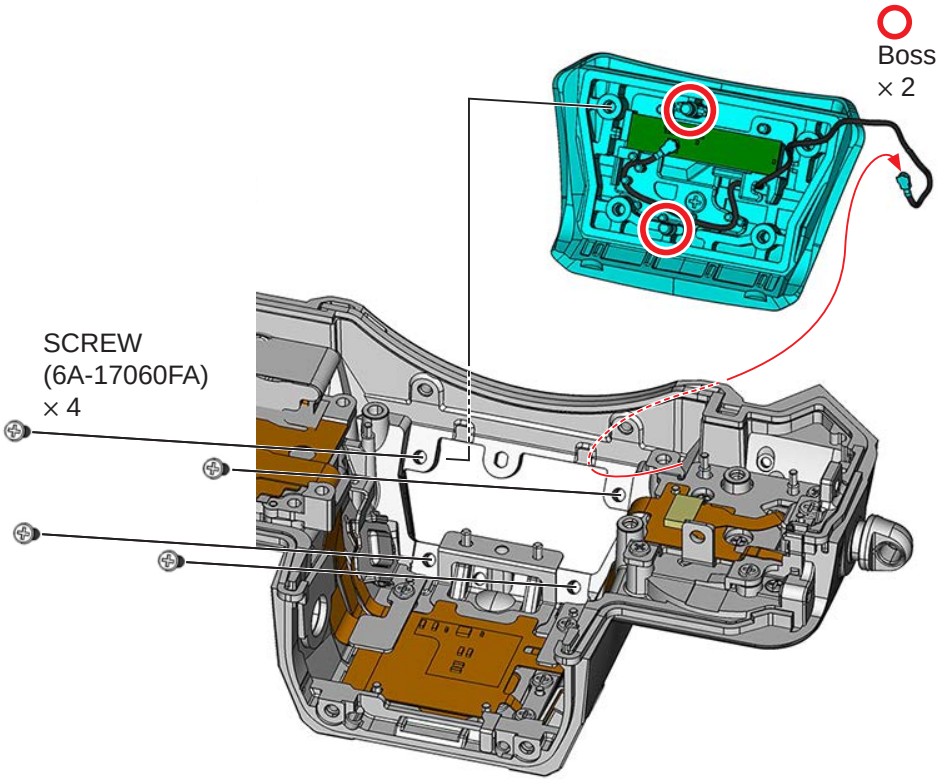


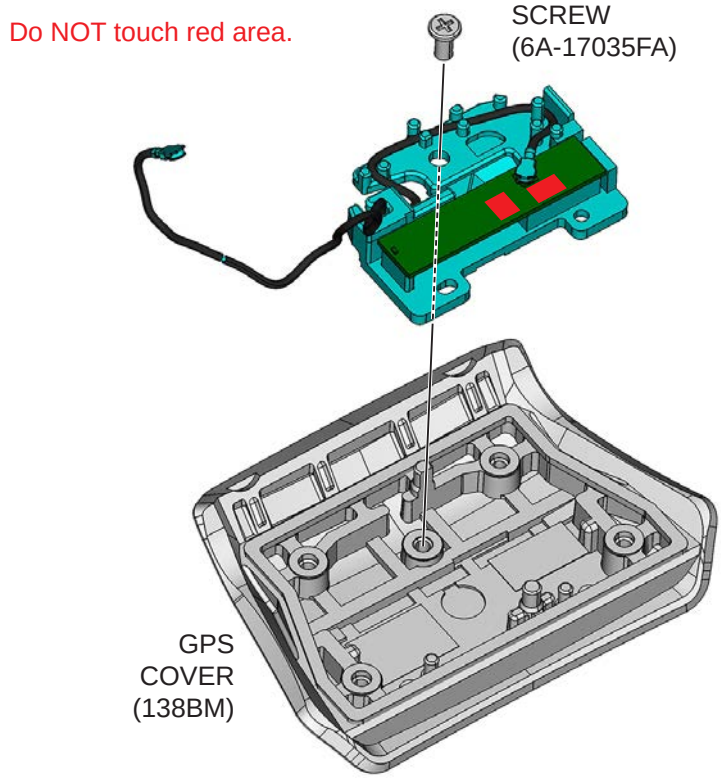
COMMAND DIAL PCB UNIT



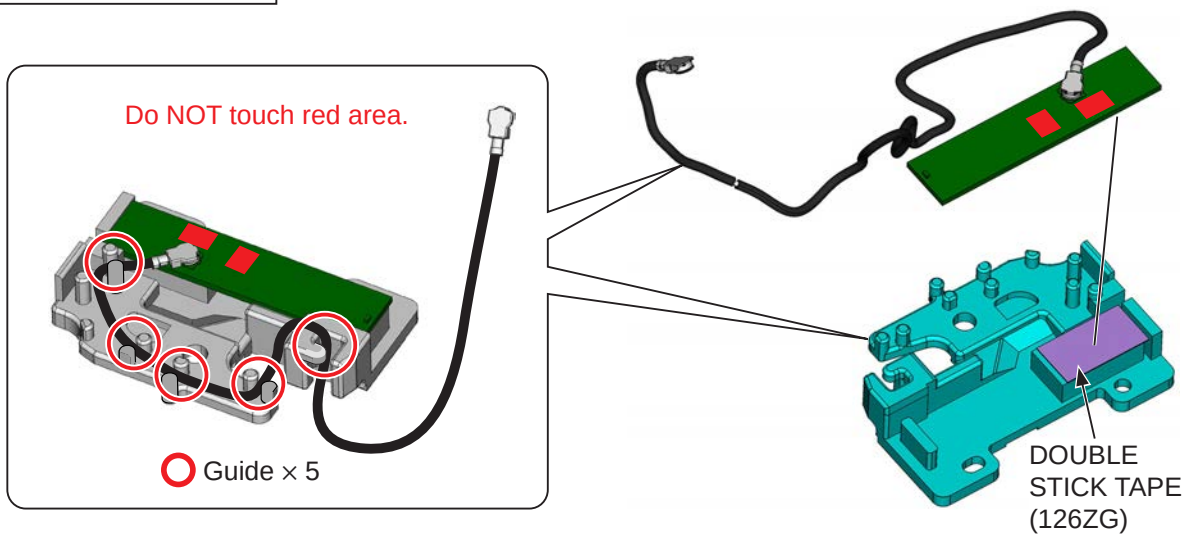


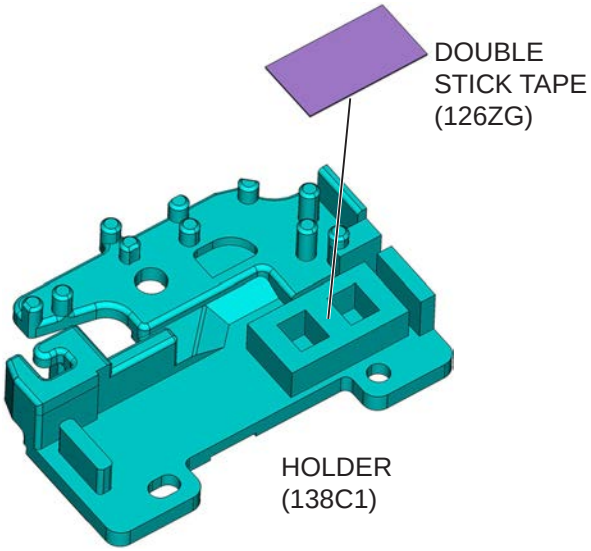


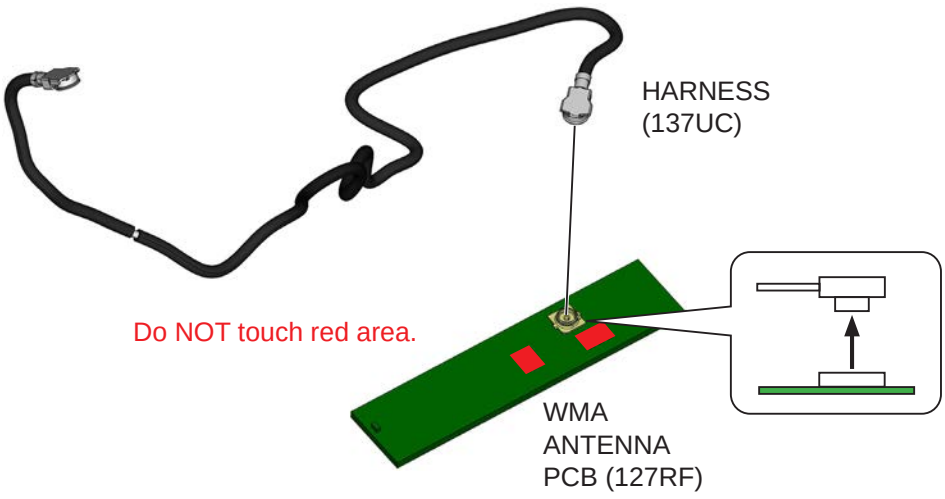

Boss
× 2
SCREW
(6A-17060FA)
× 4


Do NOT touch red area.
SCREW
(6A-17035FA)
GPS
COVER
(138BM)

WMA ANTENNA PCB

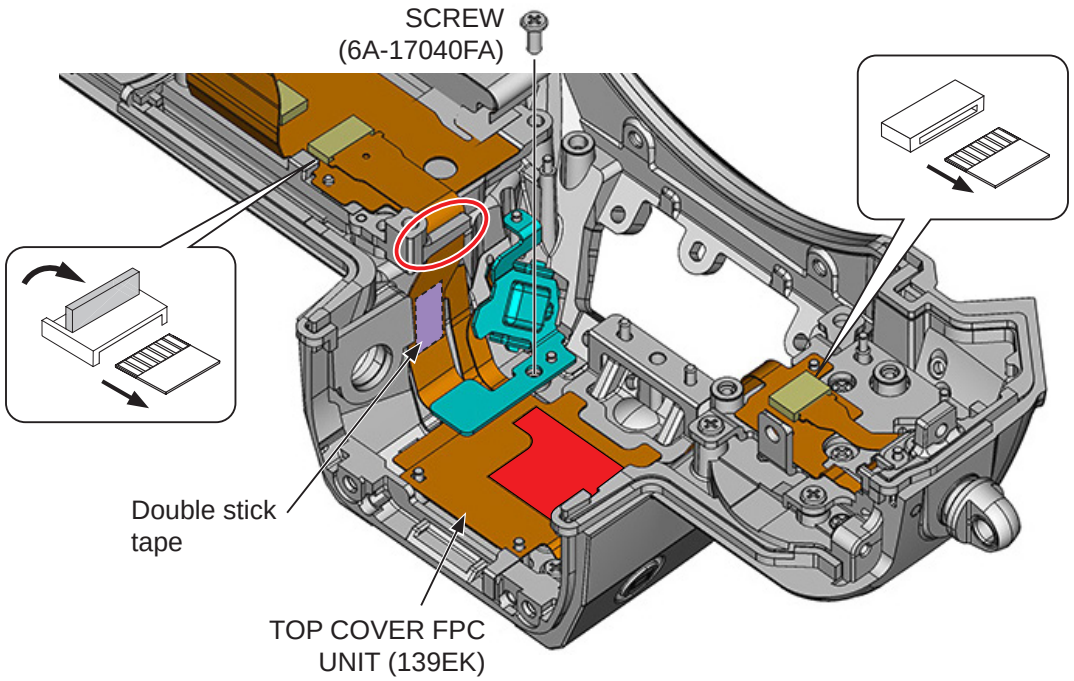


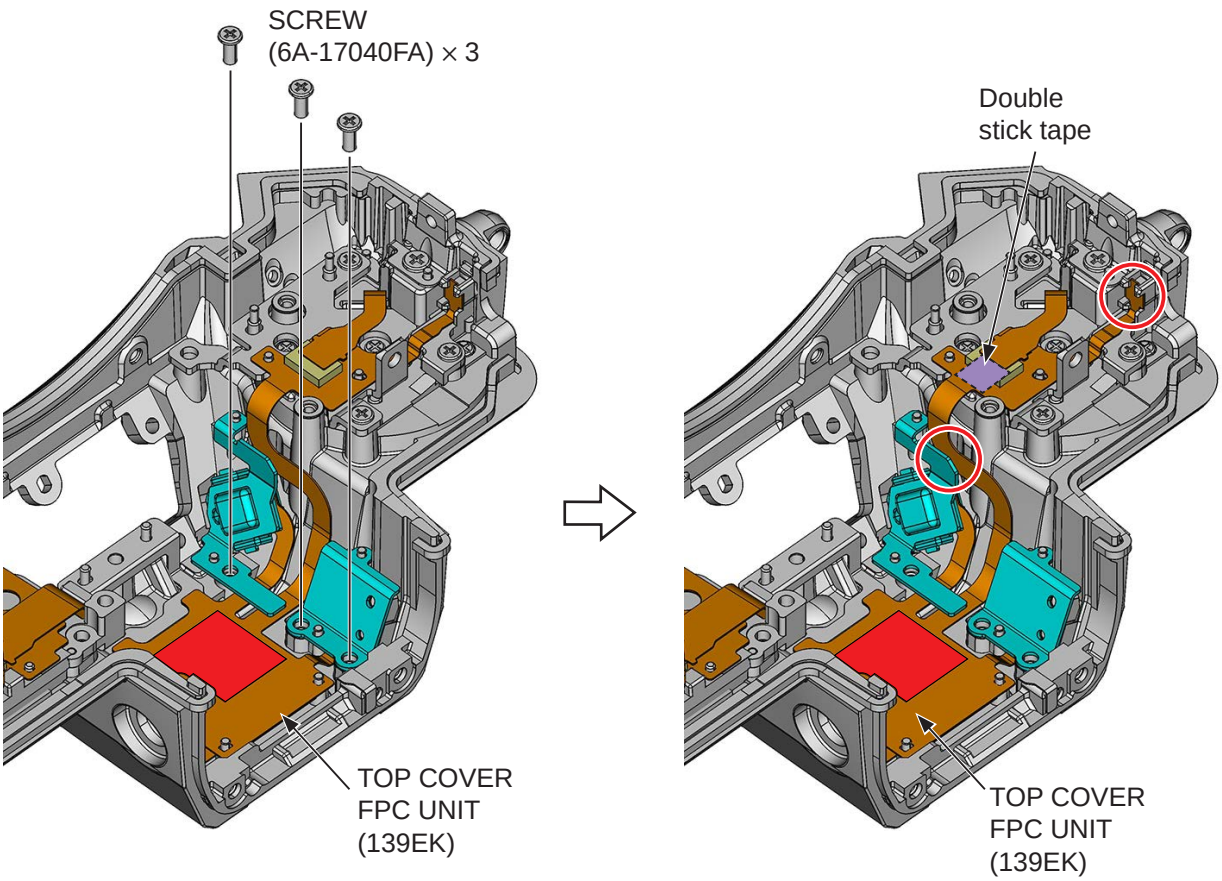




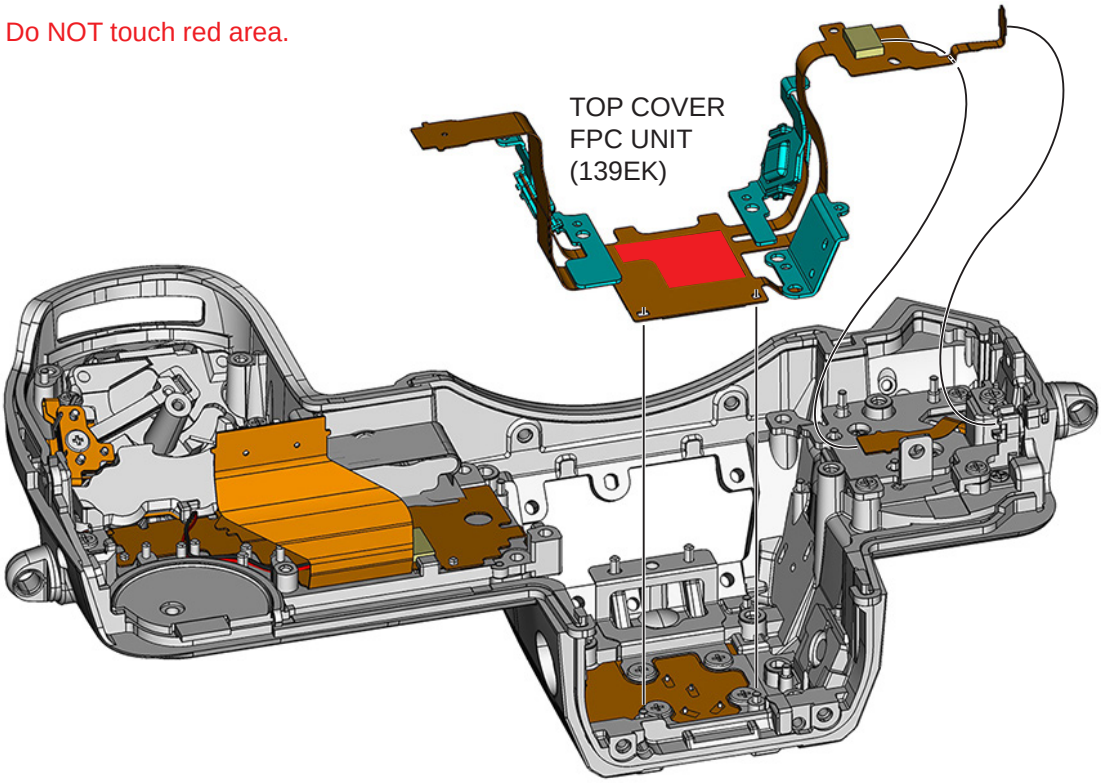
TOP COVER FPC UNIT

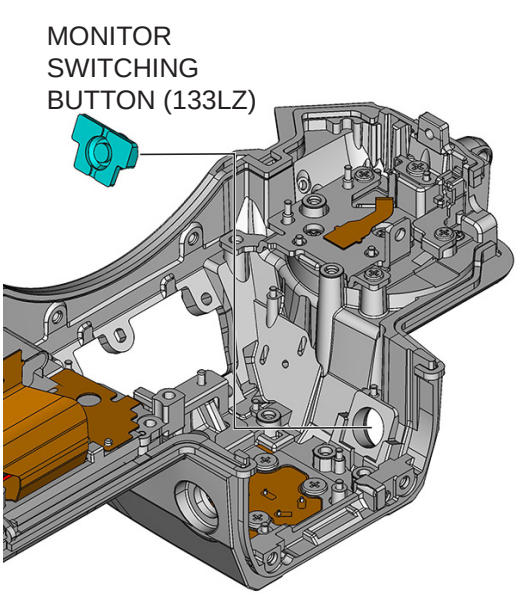
Do NOT touch red area.

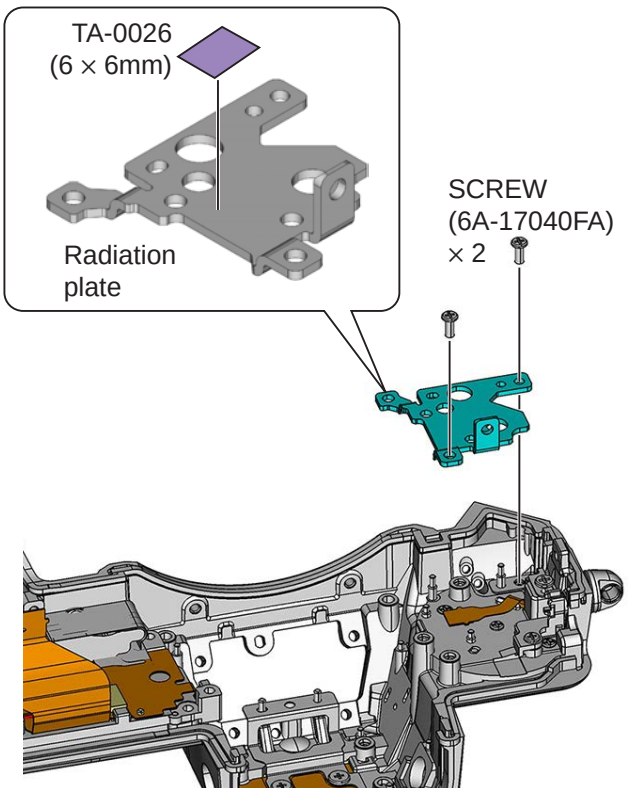


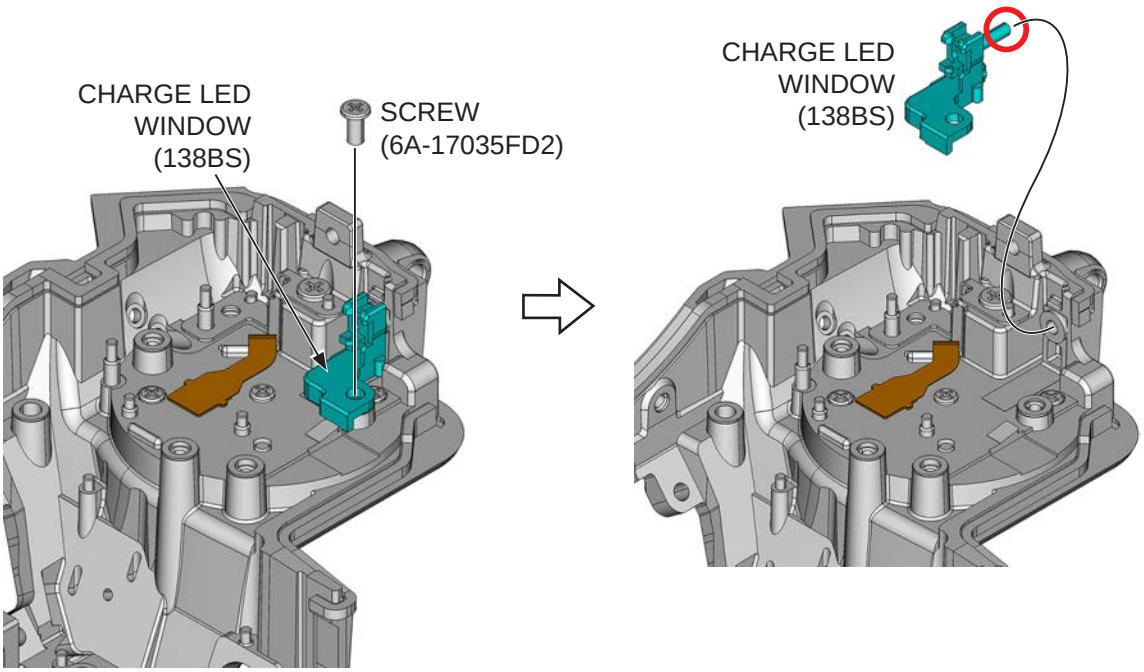


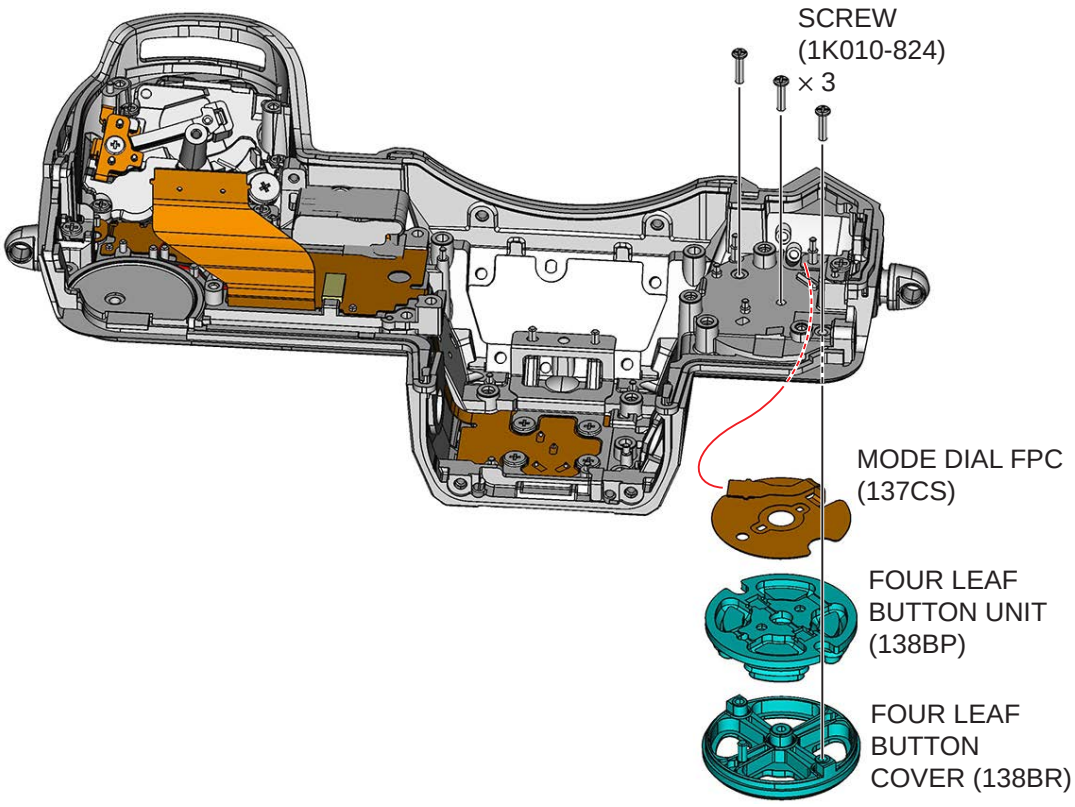
Do NOT touch red area.

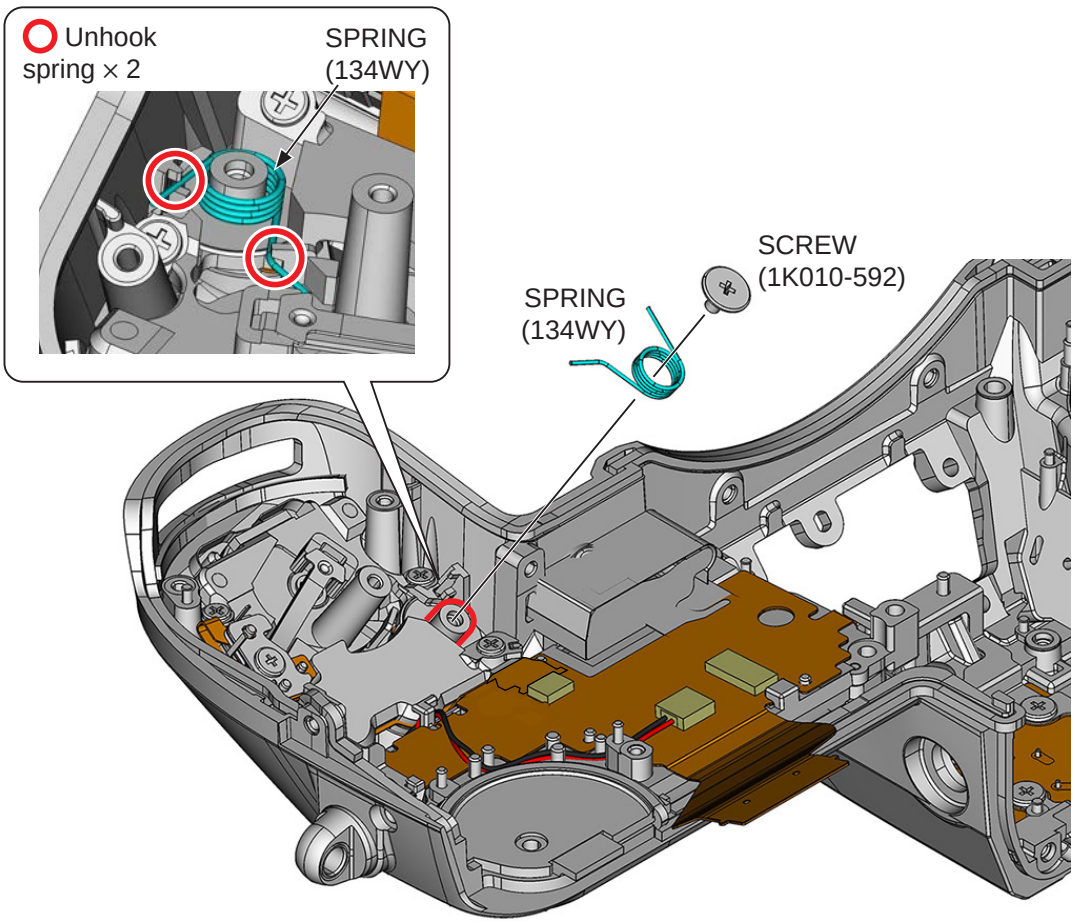




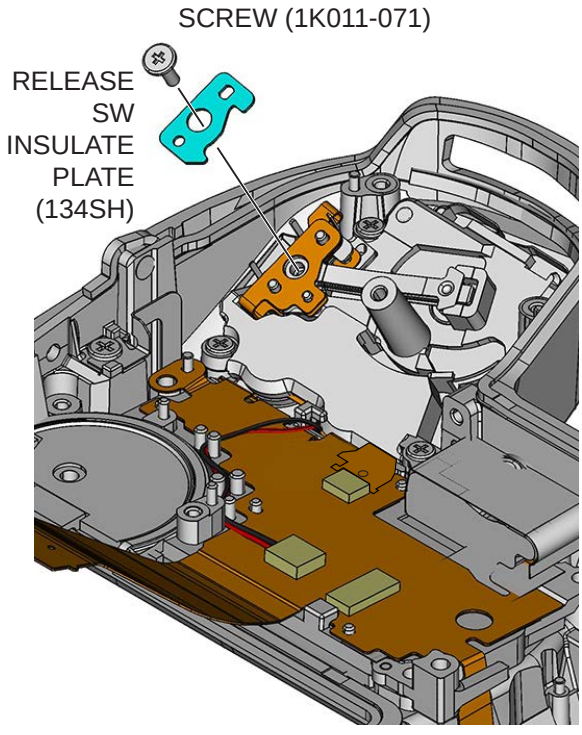


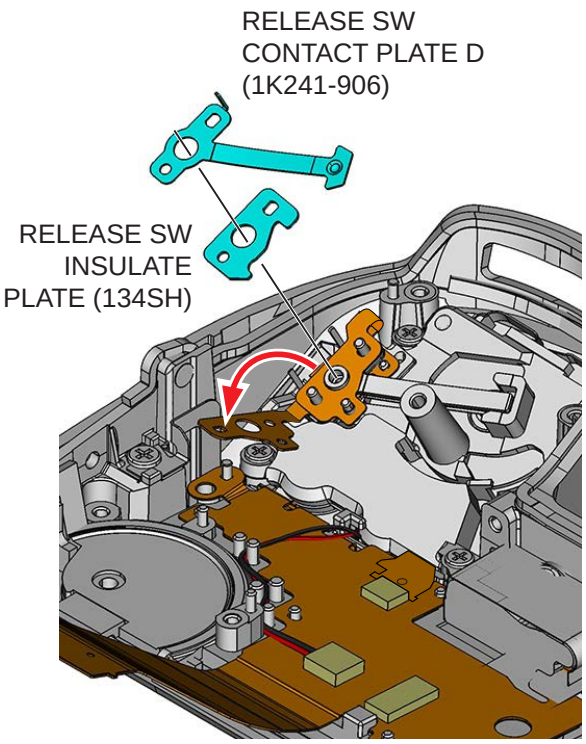

CHARGE LED
WINDOW
(138BS)
SCREW
(6A-17035FD2)
CHARGE LED
WINDOW
(138BS)

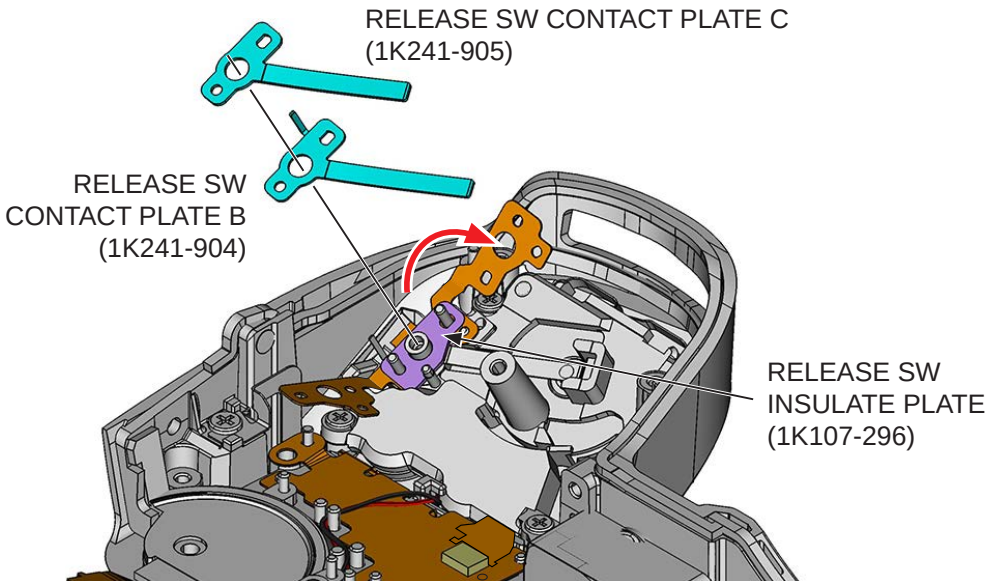

SCREW
(1K010-824)
× 3
MODE DIAL FPC
(137CS)
FOUR LEAF
BUTTON UNIT
(138BP)
FOUR LEAF
BUTTON
COVER (138BR)

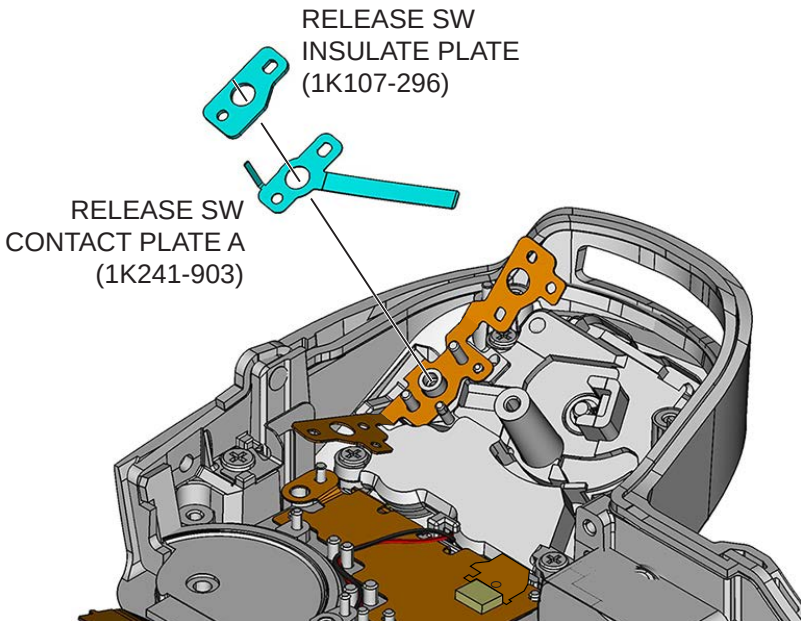


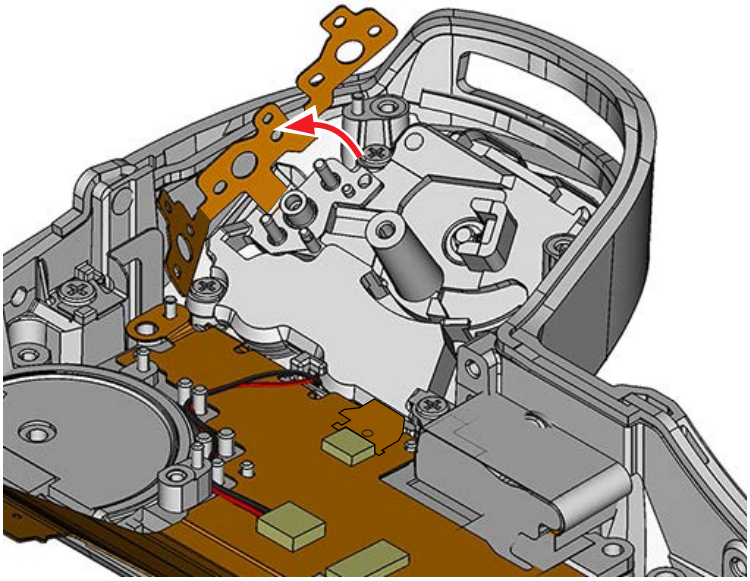
TOP SW FPC UNIT

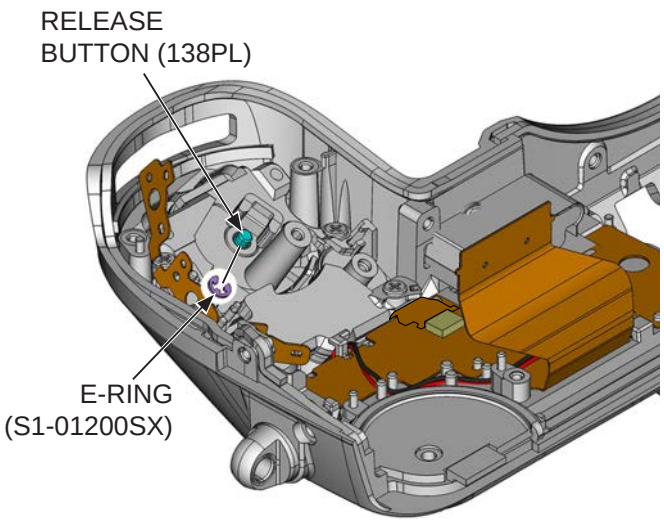


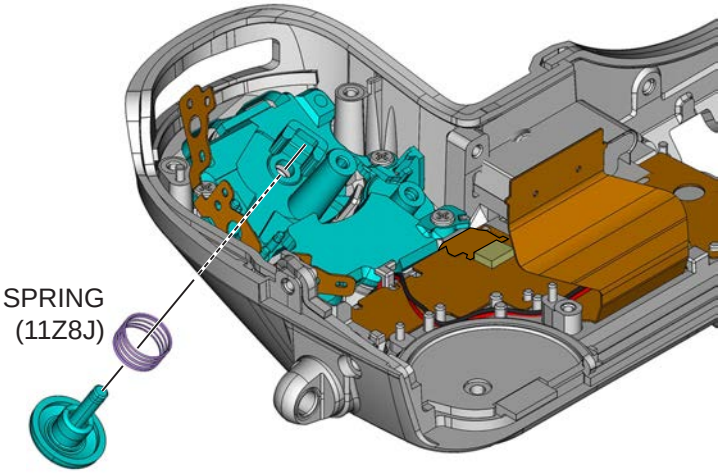


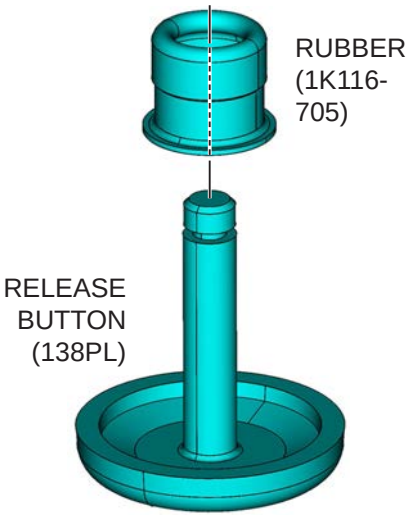

RELEASE SW CONTACT PLATE C
(1K241-905)
RELEASE SW
CONTACT PLATE B
(1K241-904)
RELEASE SW
INSULATE PLATE
(1K107-296)

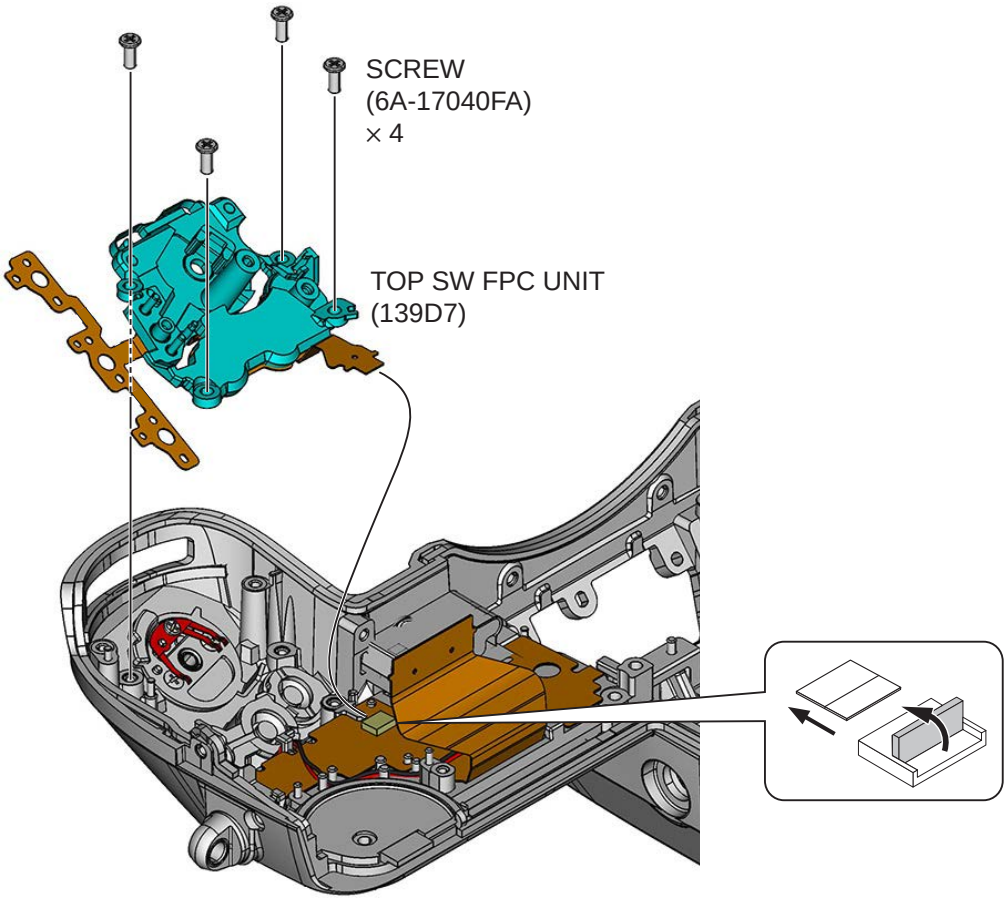

RELEASE SW
INSULATE PLATE
(1K107-296)
RELEASE SW
CONTACT PLATE A
(1K241-903)

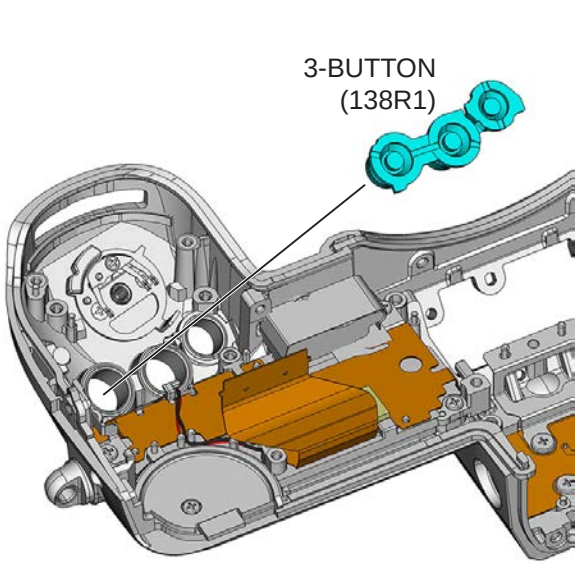


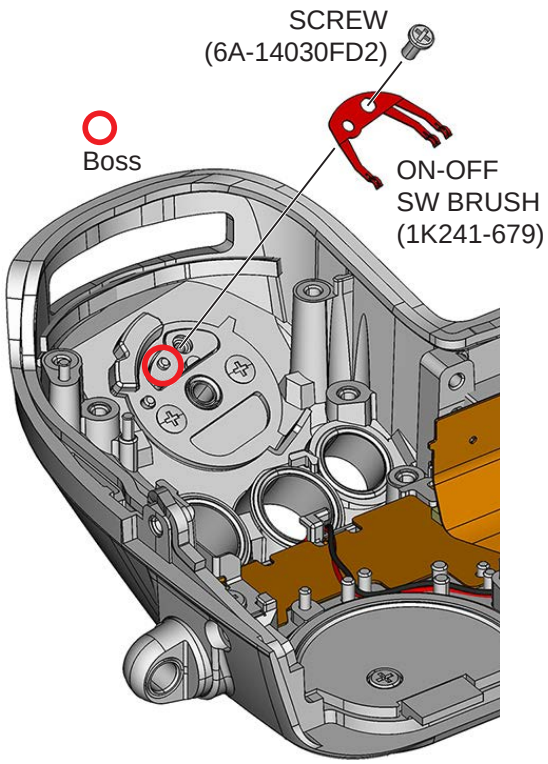

RELEASE
BUTTON (138PL)
E-RING
(S1-01200SX)


SPRING
(11Z8J)

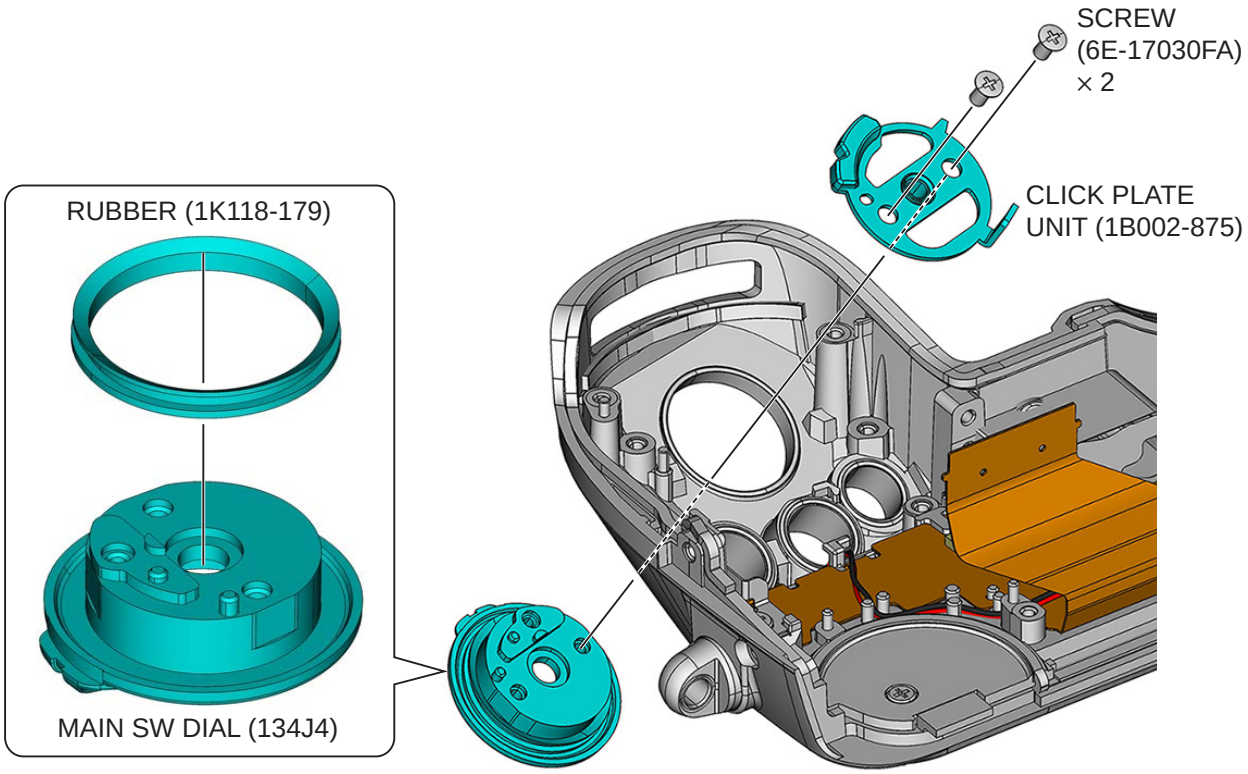

RUBBER
(1K116-
705)
RELEASE
BUTTON
(138PL)


SCREW
(6A-17040FA)
× 4
TOP SW FPC UNIT
(139D7)

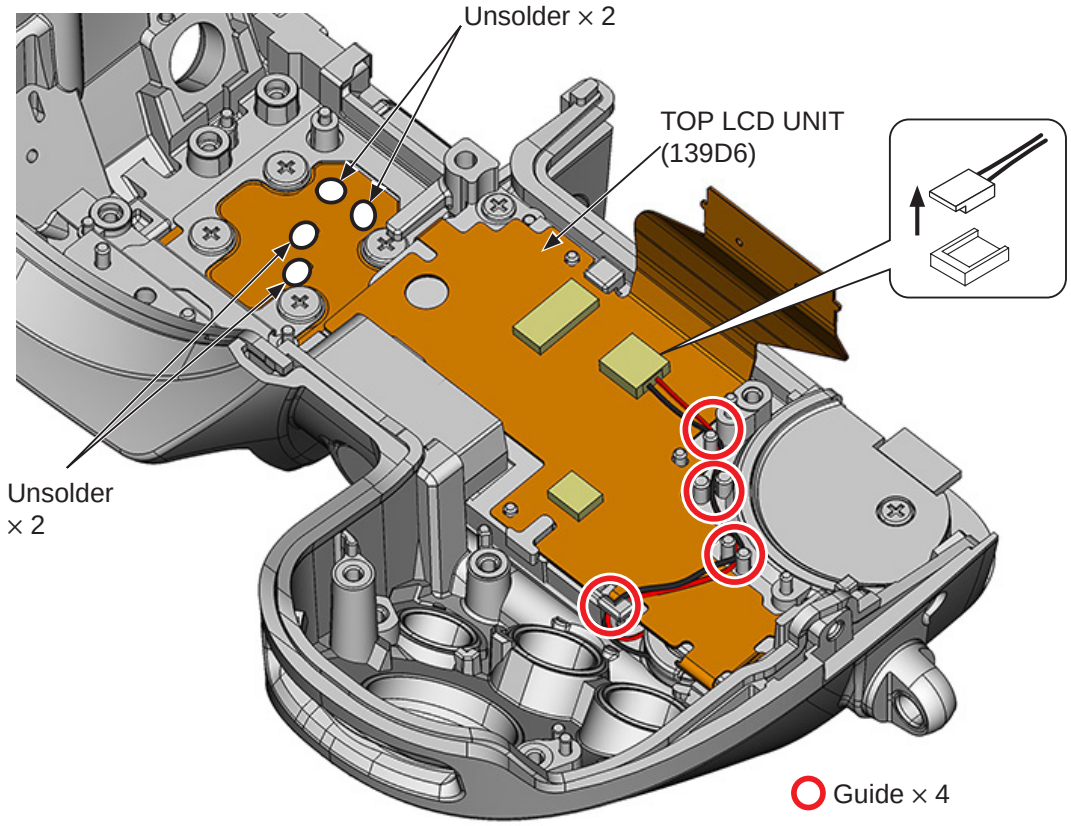

3-BUTTON
(138R1)

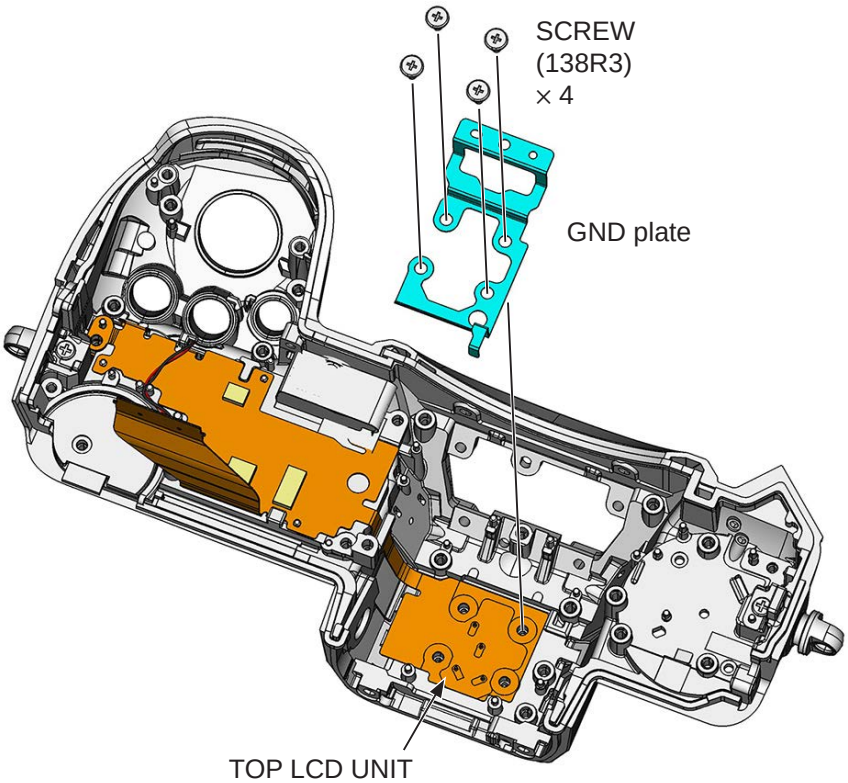

SCREW
(6A-14030FD2)
Boss
ON-OFF
SW BRUSH
(1K241-679)

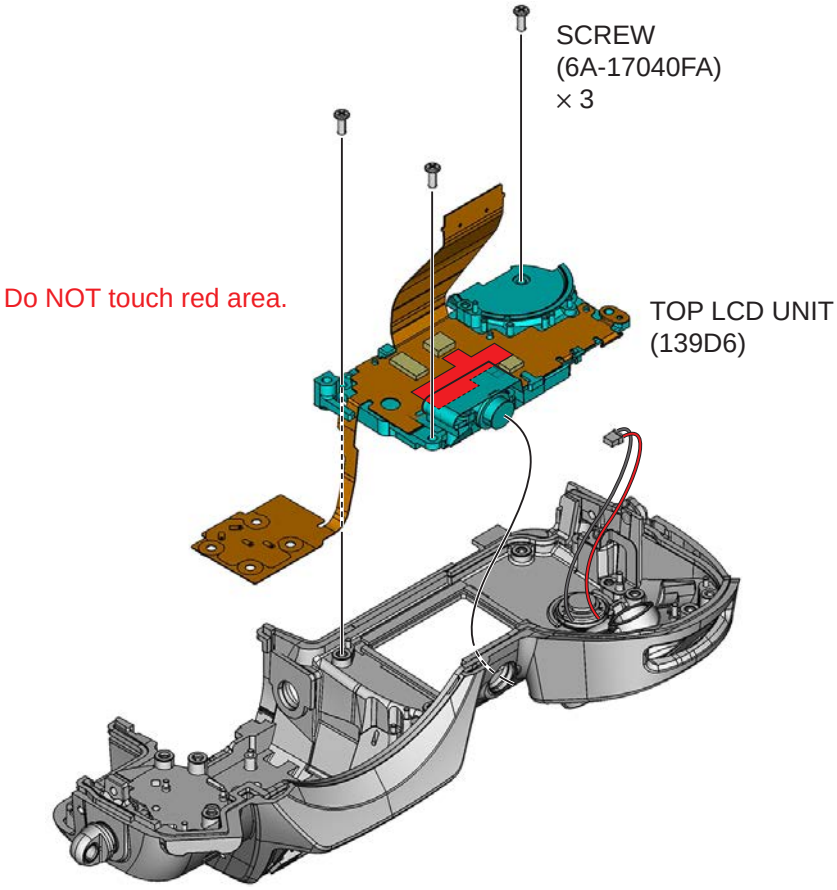
MAIN SW DIAL



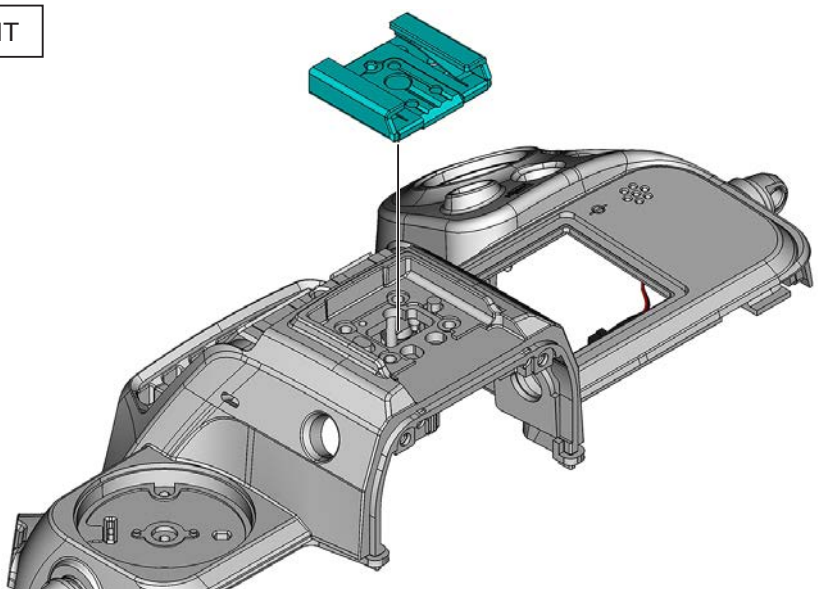
TOP LCD UNIT

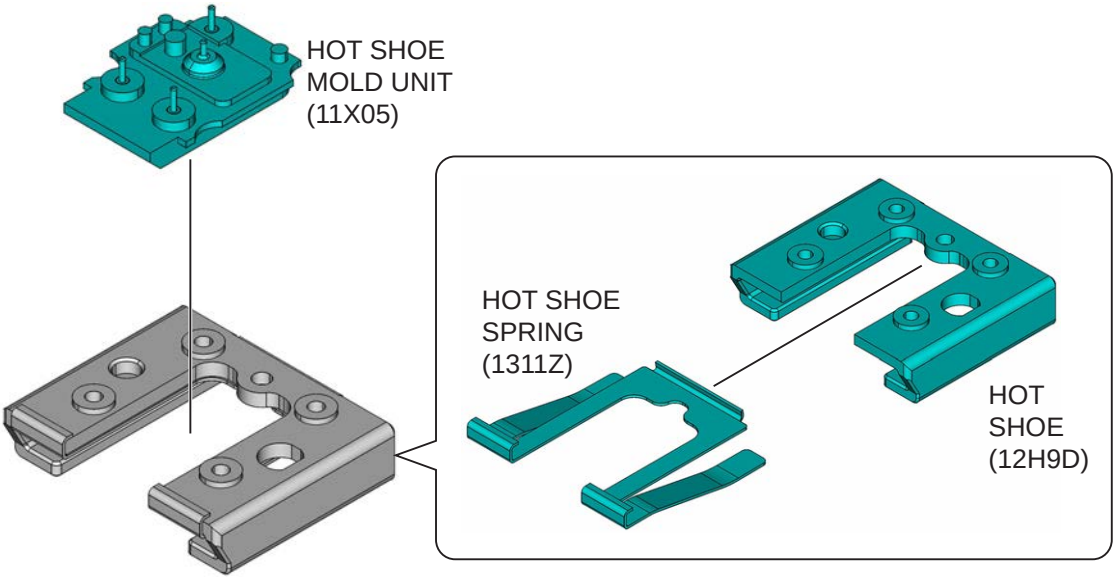


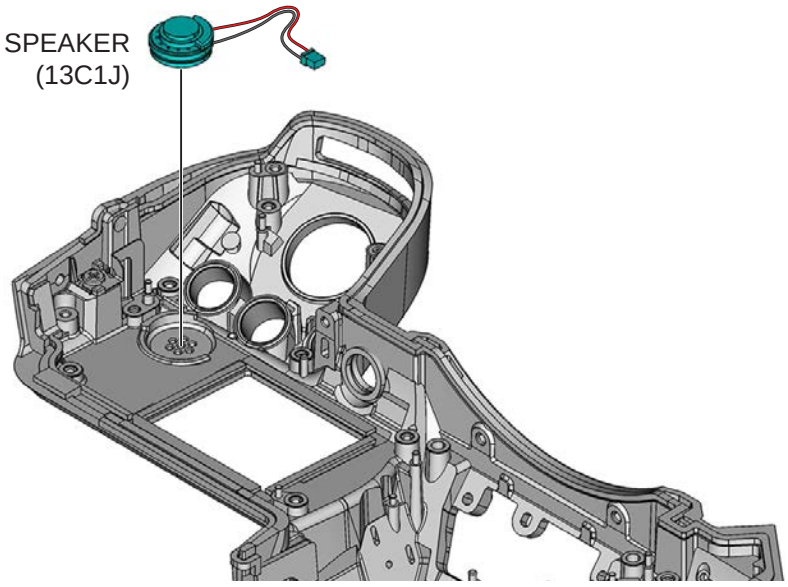

SCREW
(138R3)
× 4
GND plate
TOP LCD UNIT
(139D6)

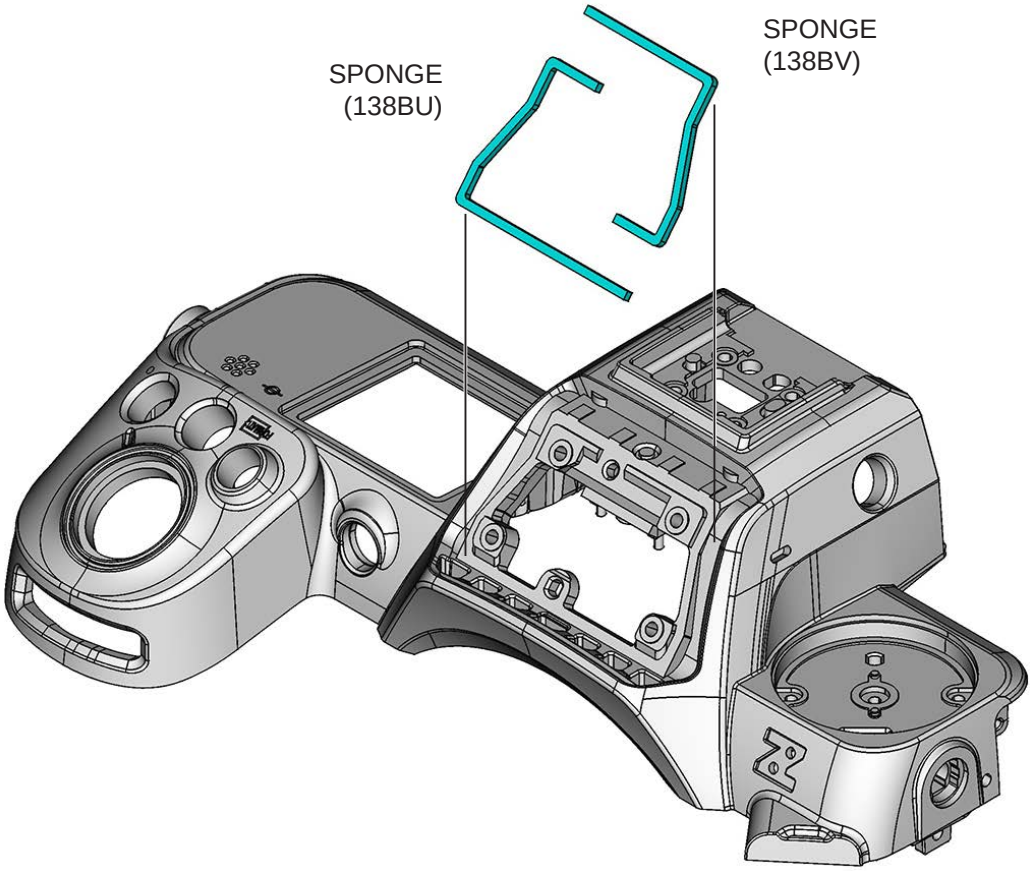

SCREW
(6A-17040FA)
× 3
Do NOT touch red area.
TOP LCD UNIT
(139D6)

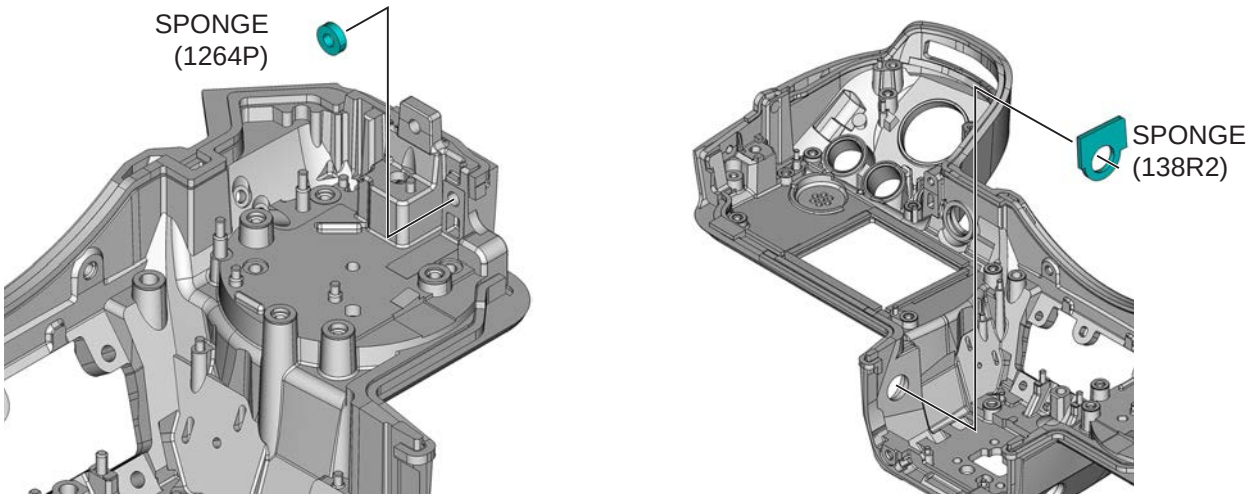
SHOE MOLD UNIT

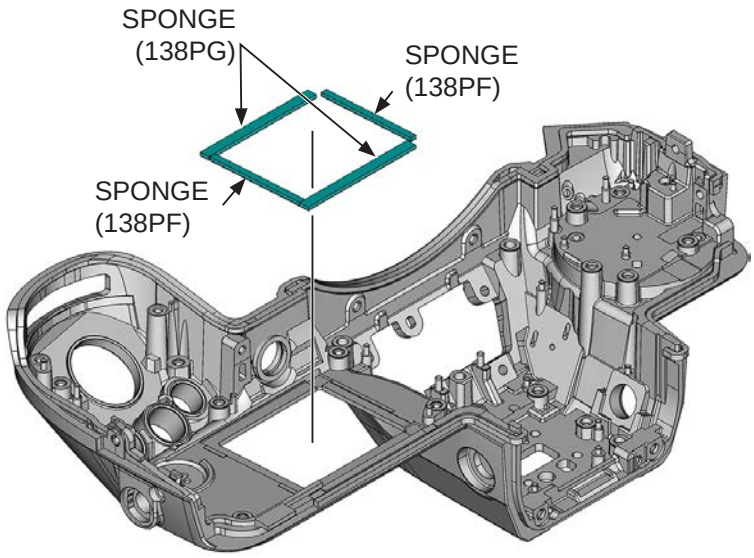


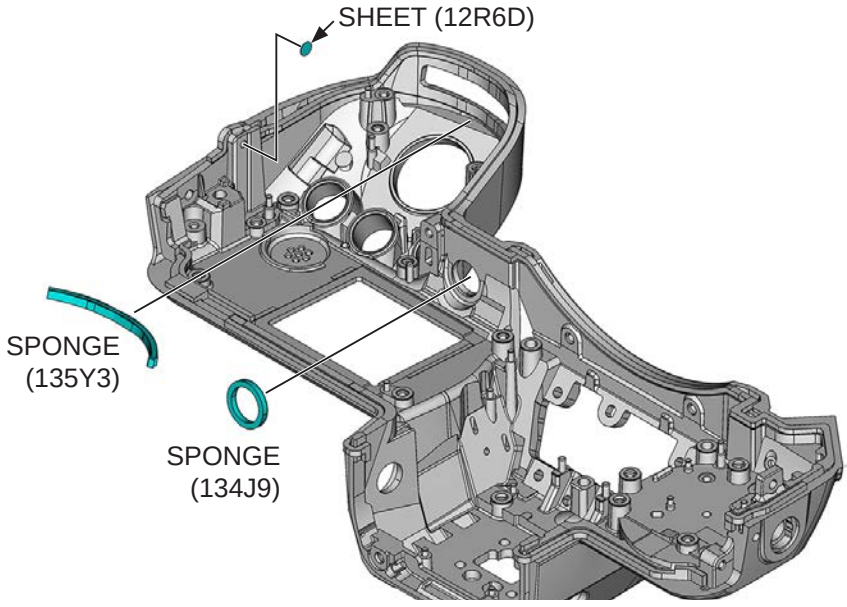


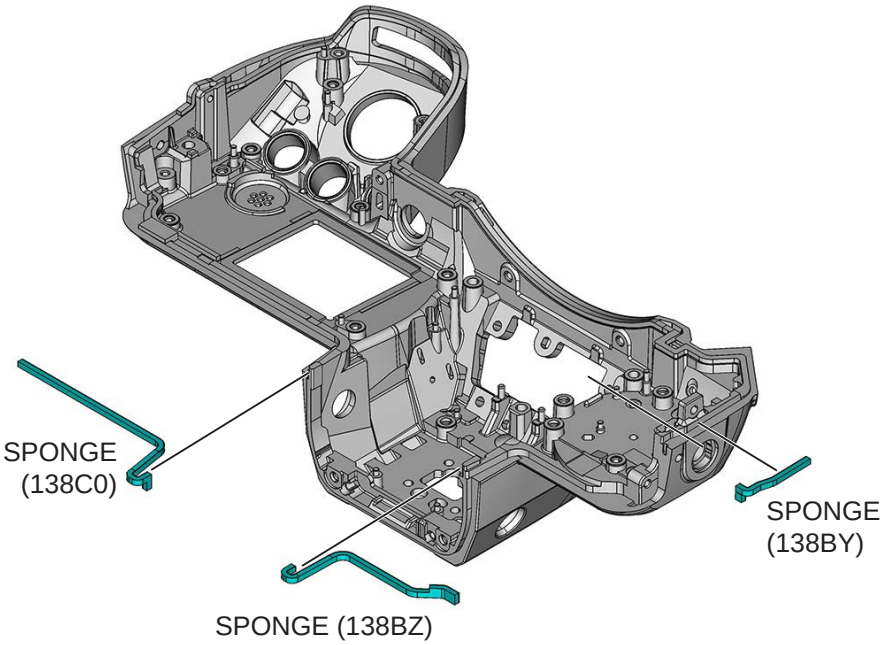


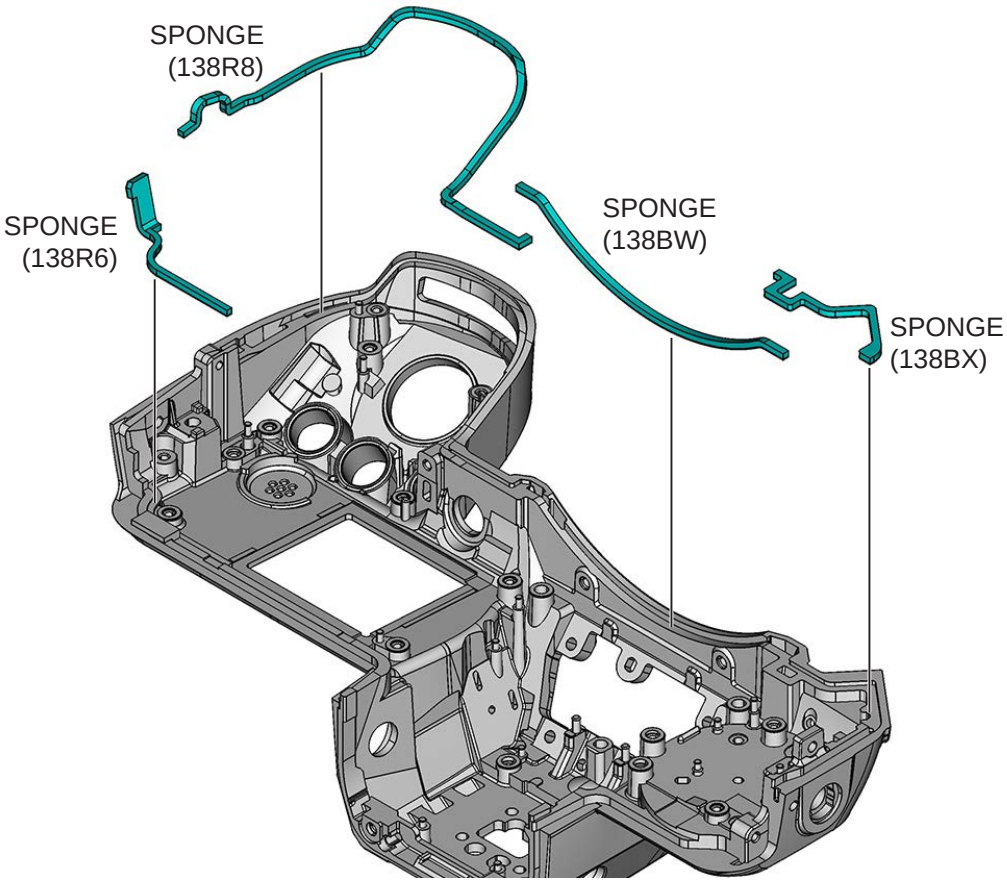

SPONGE
(138BU)
SPONGE
(138BV)


SPONGE
(1264P)
SPONGE
(138R2)


SPONGE
(138PG)
SPONGE
(138PF)
SPONGE
(138PF)

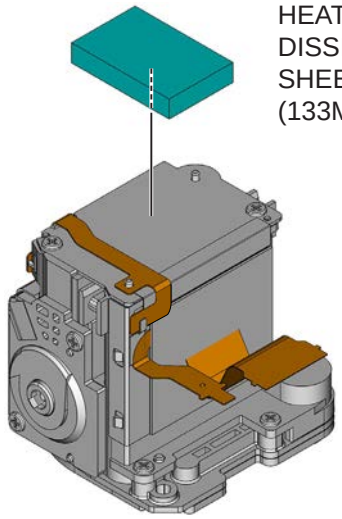

SHEET (12R6D)
SPONGE
(135Y3)
SPONGE
(134J9)

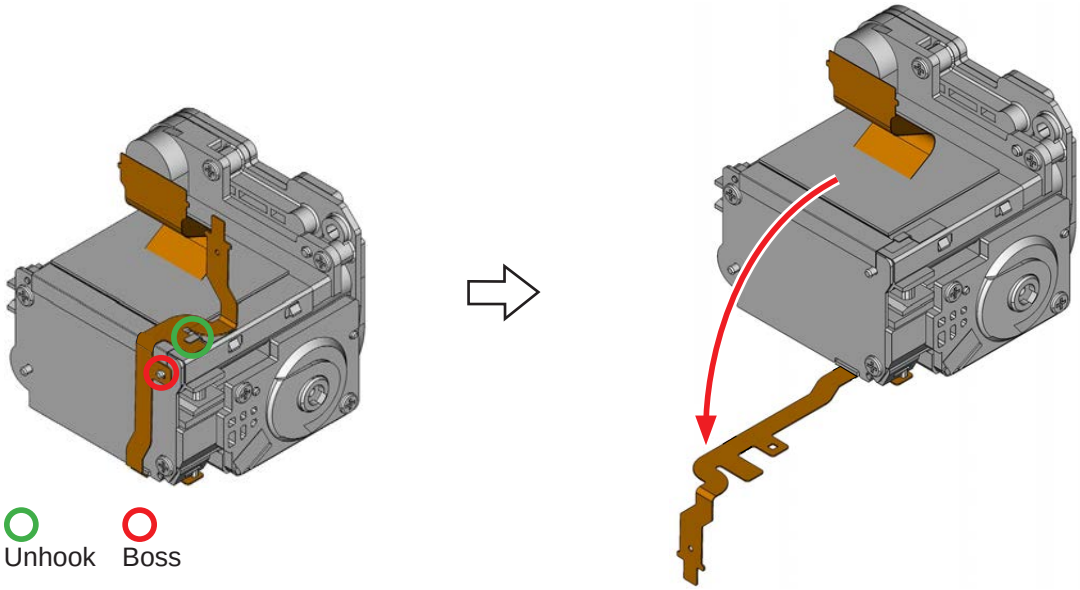

SPONGE
(138C0)
SPONGE
(138BY)
SPONGE (138BZ)

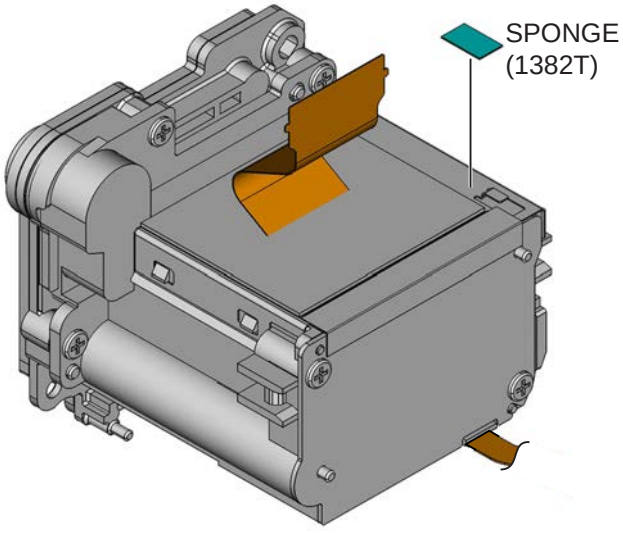

SPONGE
(138R8)
SPONGE
(138R6)
SPONGE
(138BW)
SPONGE
(138BX)

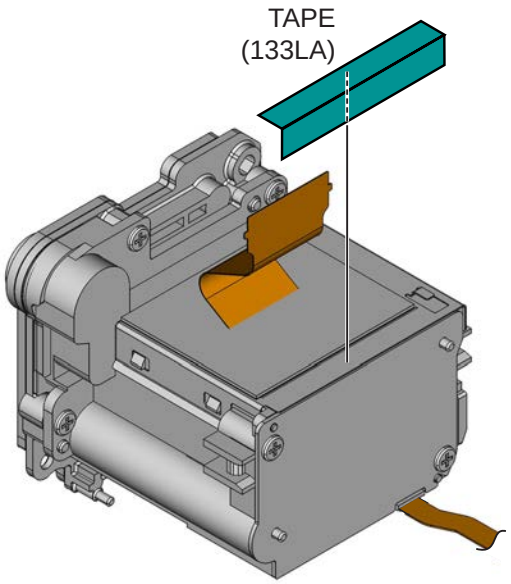
4. Eyepiece block unit

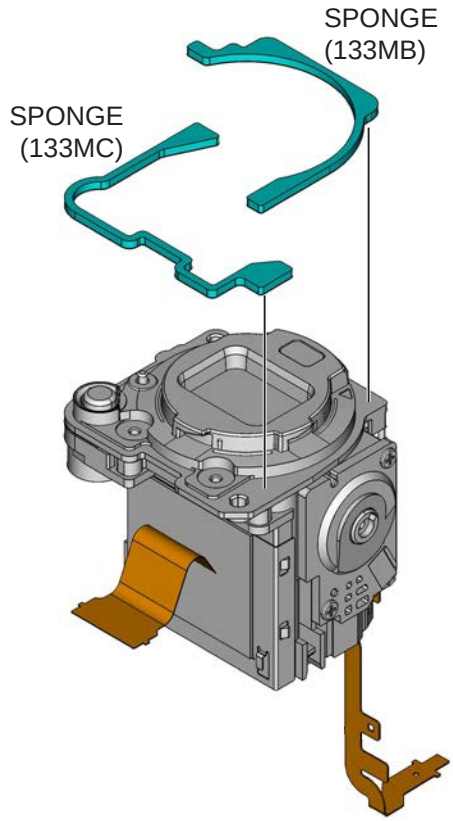
EYEPIECE BLOCK UNIT

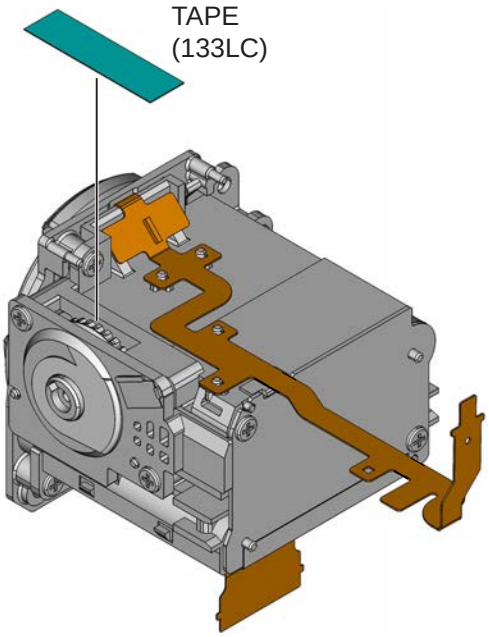


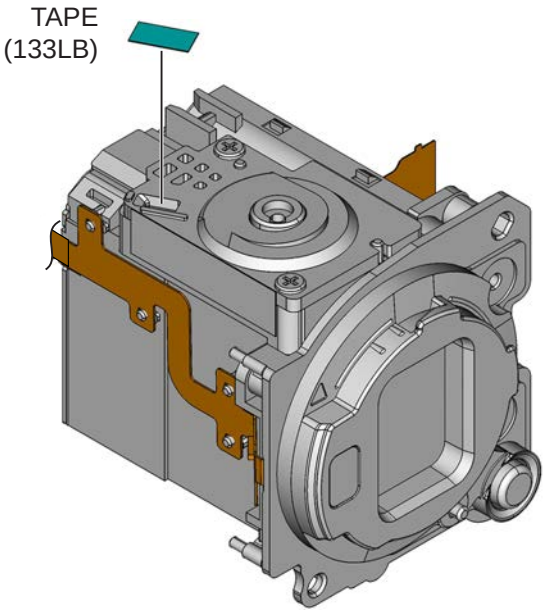


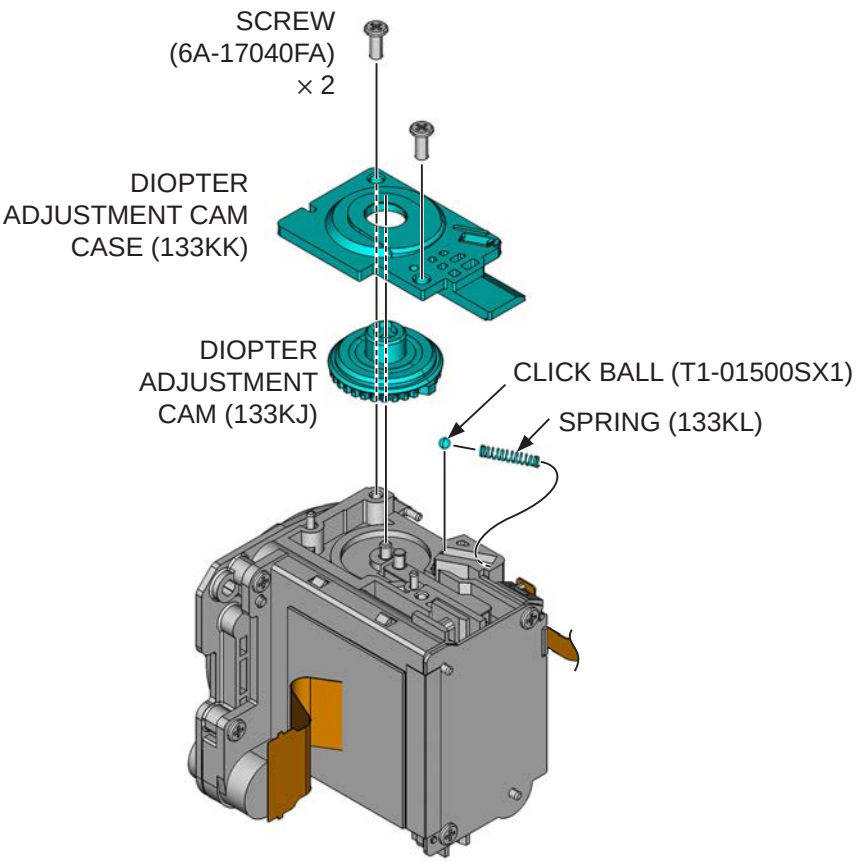


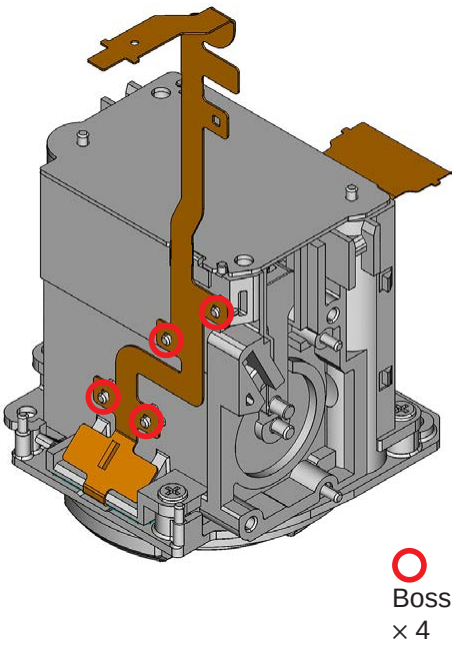

TAPE
(133LA)

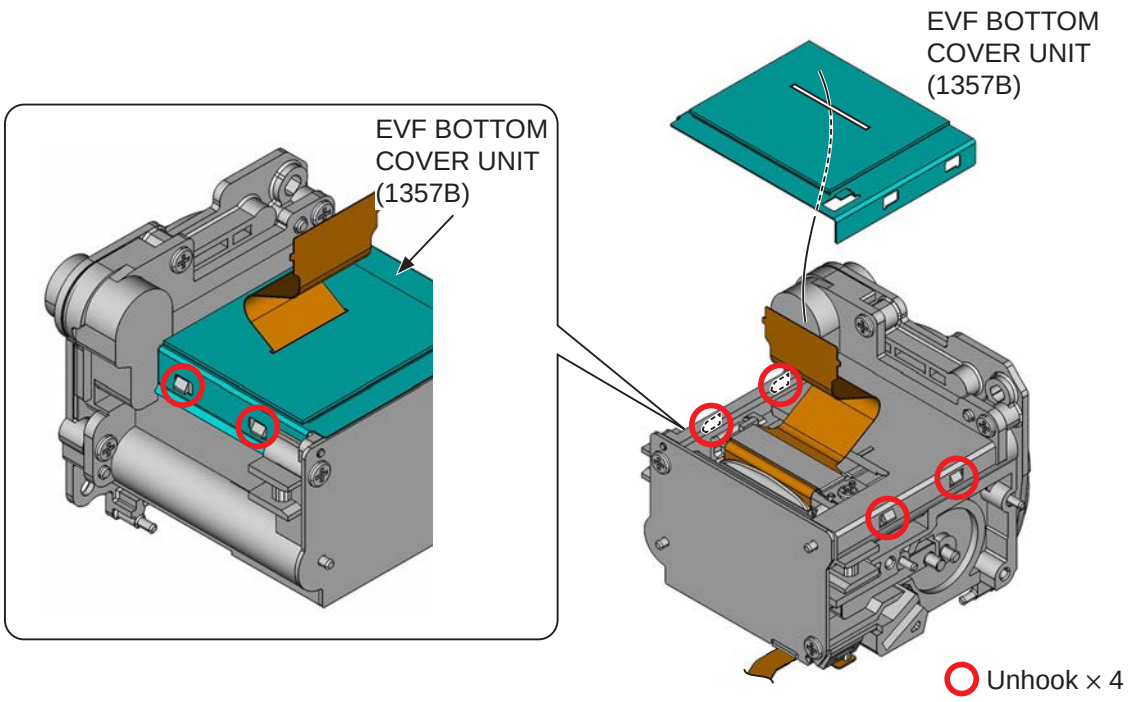

SPONGE
(133MB)
SPONGE
(133MC)

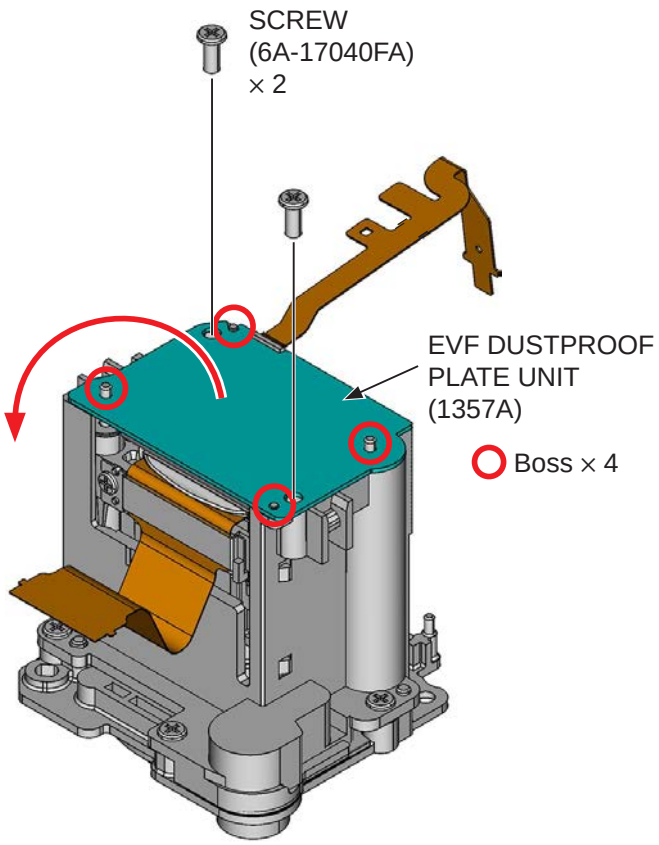

TAPE
(133LC)

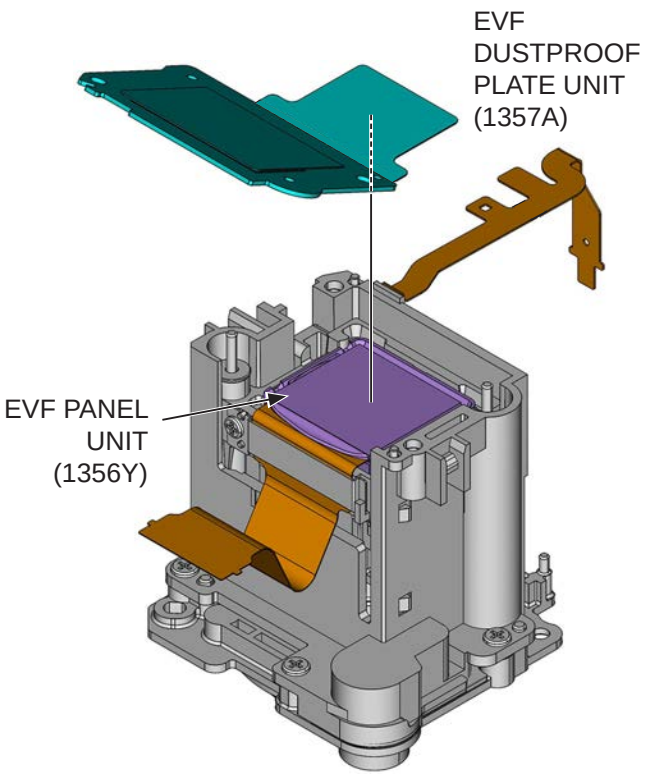

TAPE
(133LB)

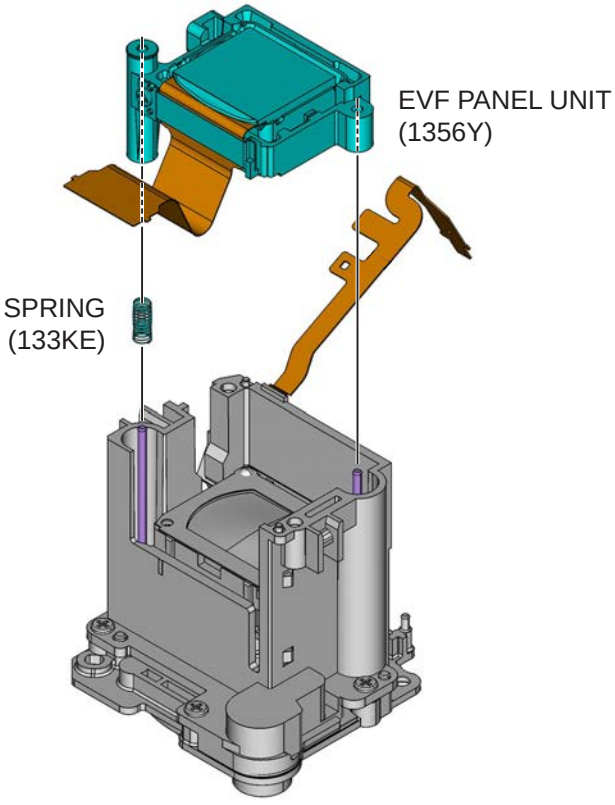

SCREW
(6A-17040FA)
× 2
DIOPTER
ADJUSTMENT CAM
CASE (133KK)
DIOPTER
ADJUSTMENT
CAM (133KJ)
CLICK BALL (T1-01500SX1)
SPRING (133KL)

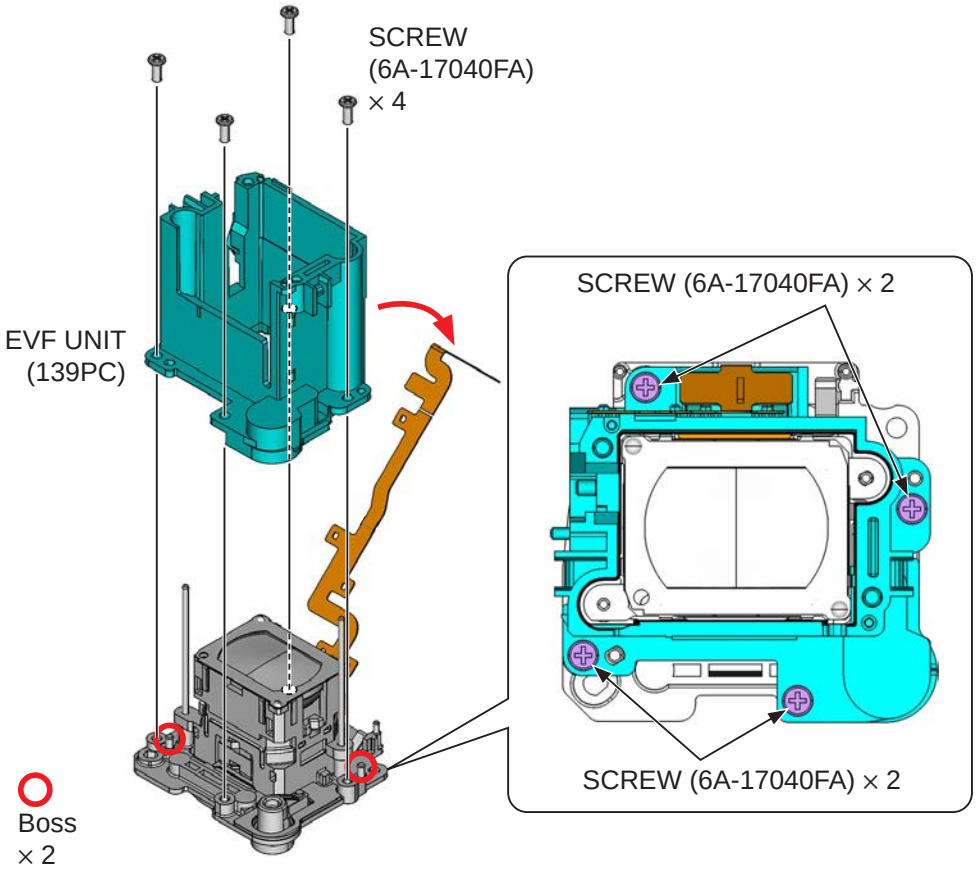

Boss
× 4

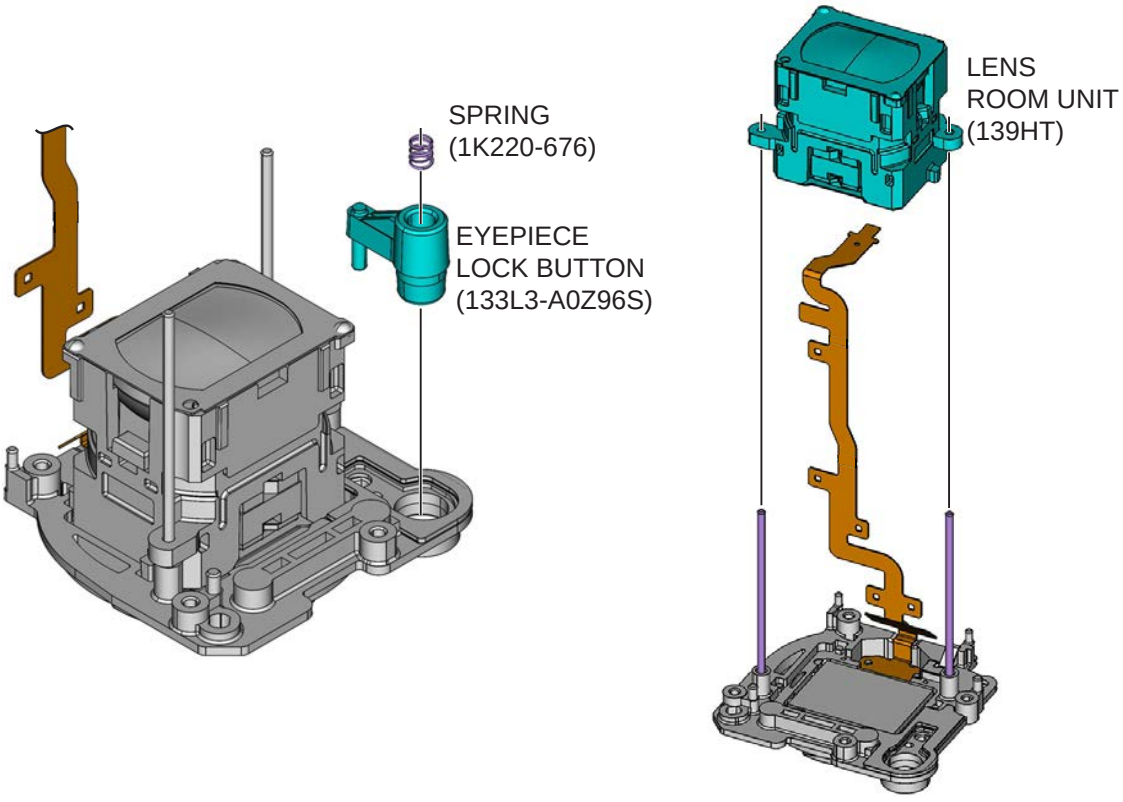

EVF BOTTOM
COVER UNIT
(1357B)
EVF BOTTOM
COVER UNIT
(1357B)
Unhook × 4

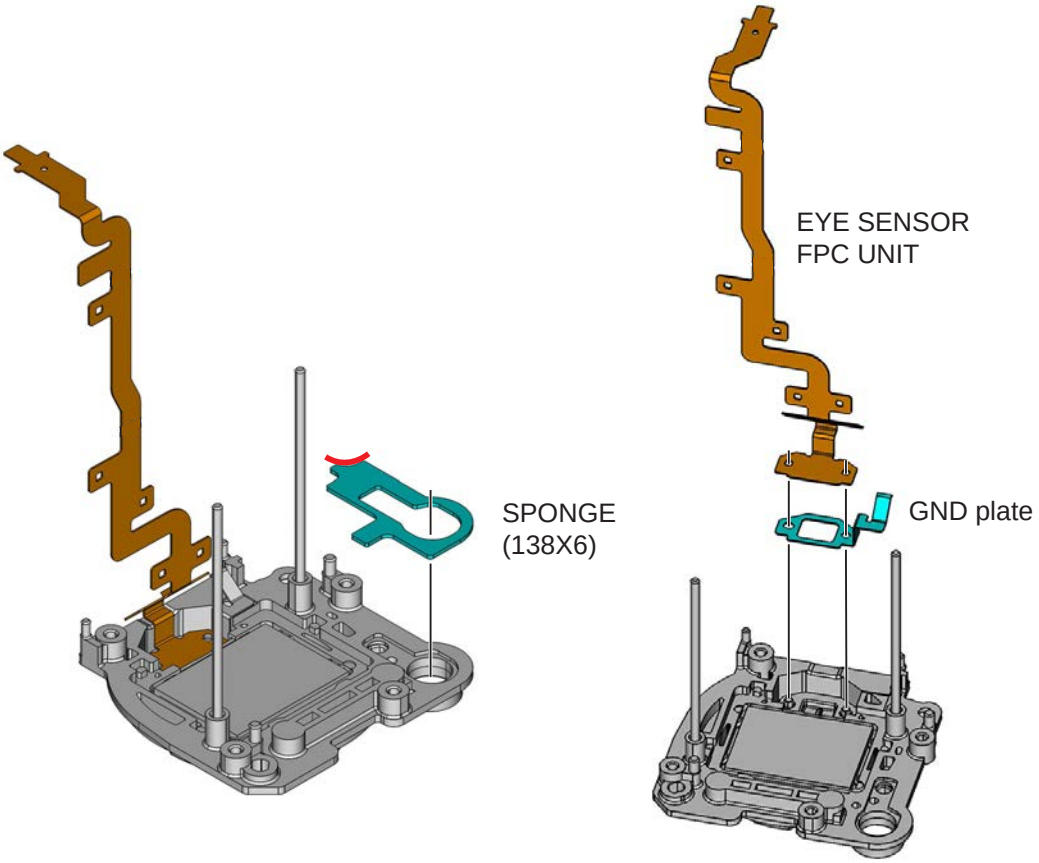

SCREW
(6A-17040FA)
× 2
EVF DUSTPROOF
PLATE UNIT
(1357A)
Boss × 4

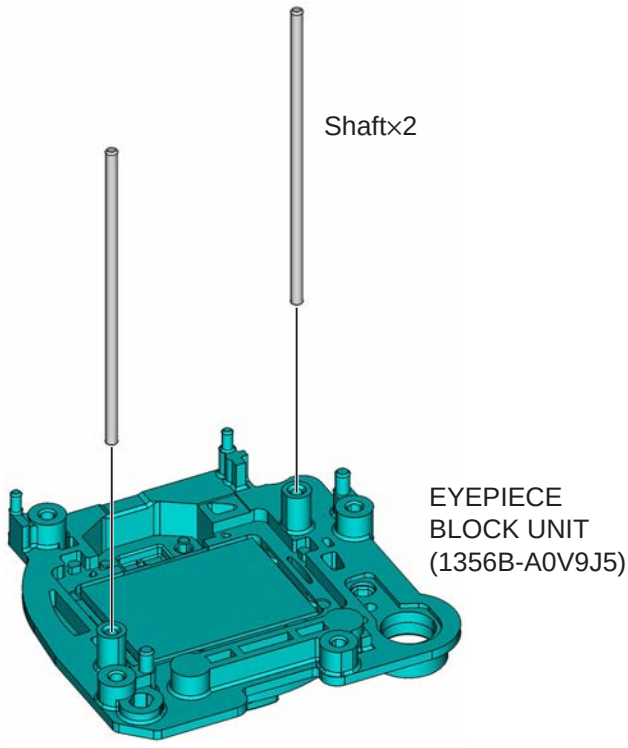

EVF
DUSTPROOF
PLATE UNIT
(1357A)
EVF PANEL
UNIT
(1356Y)


EVF PANEL UNIT
(1356Y)
SPRING
(133KE)


SCREW
(6A-17040FA)
× 4
EVF UNIT
(139PC)
SCREW (6A-17040FA) × 2
SCREW (6A-17040FA) × 2
Boss
× 2

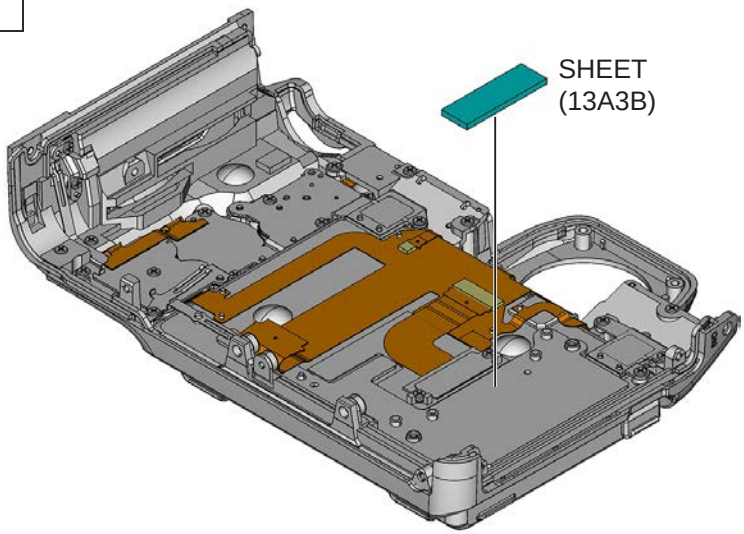

SPRING
(1K220-676)
EYEPIECE
LOCK BUTTON
(133L3-A0Z96S)
LENS
ROOM UNIT
(139HT)

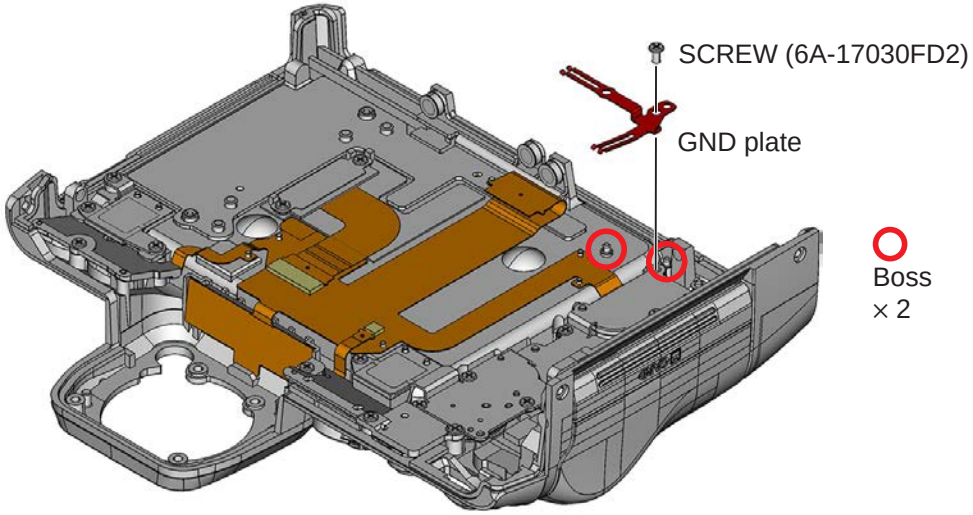

EYE SENSOR
FPC UNIT
SPONGE
(138X6)
GND plate

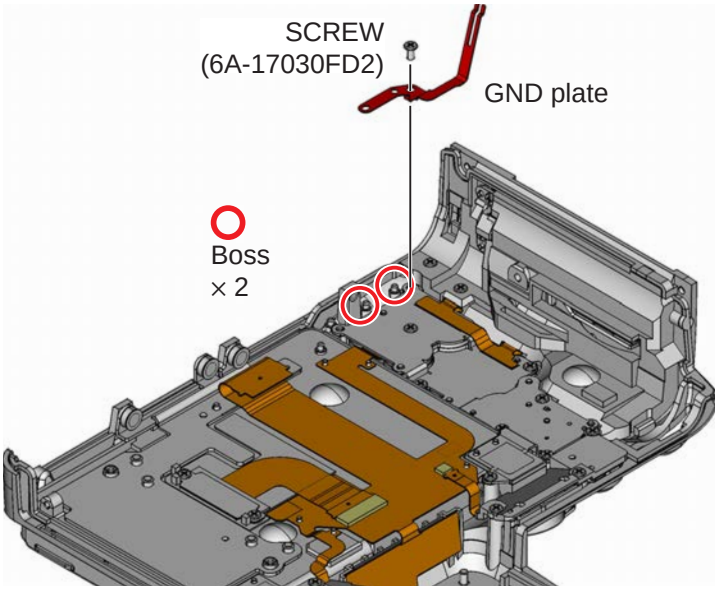

Shaft×2
EYEPIECE
BLOCK UNIT
(1356B-A0V9J5)

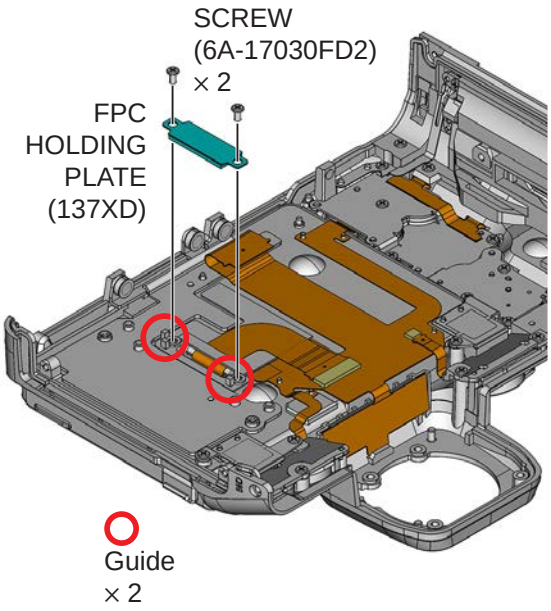
5. Rear cover

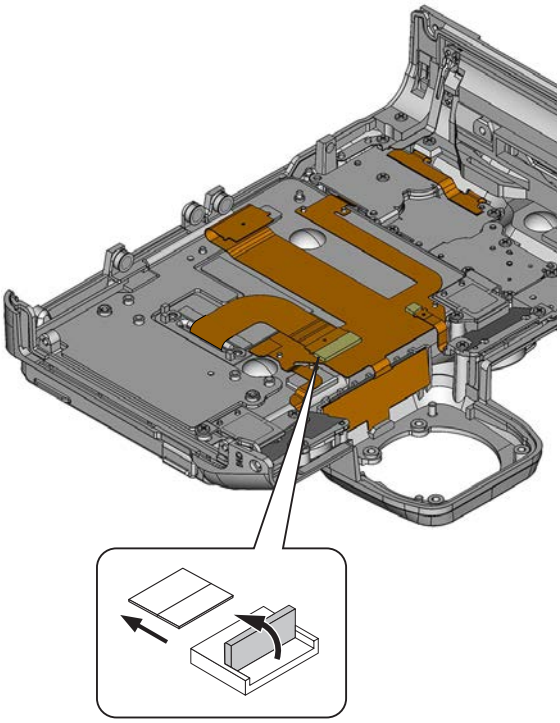
REAR COVER UNIT

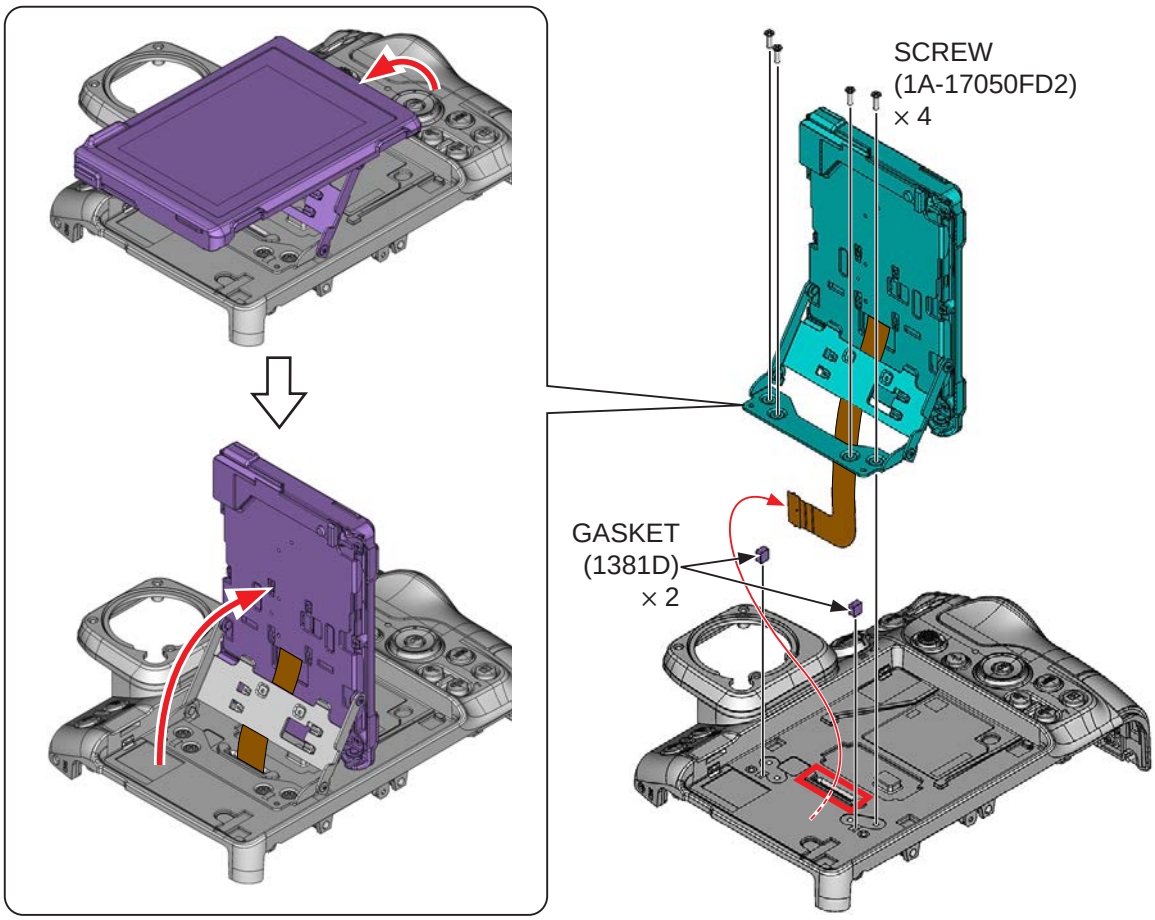




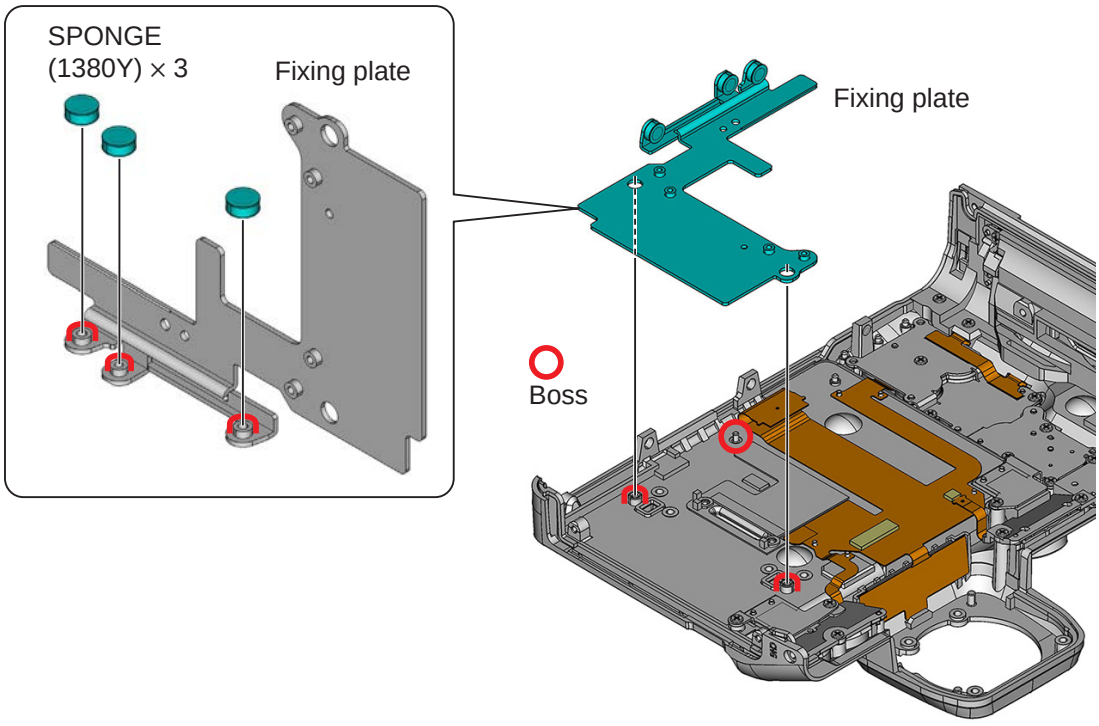


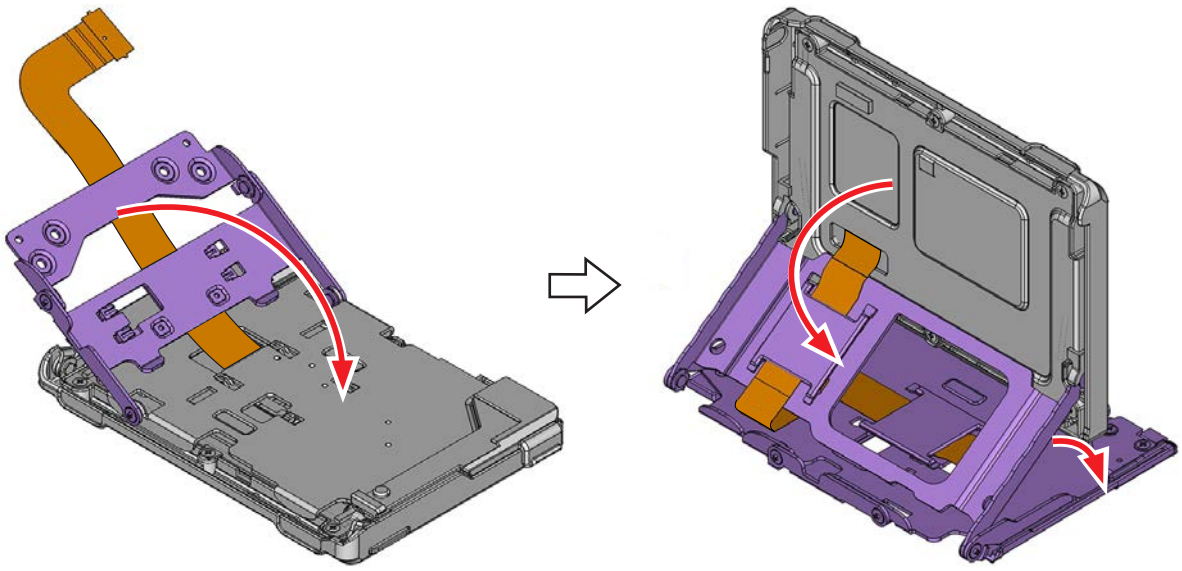

SCREW
(6A-17030FD2)
× 2
FPC
HOLDING
PLATE
(137XD)
Guide
× 2

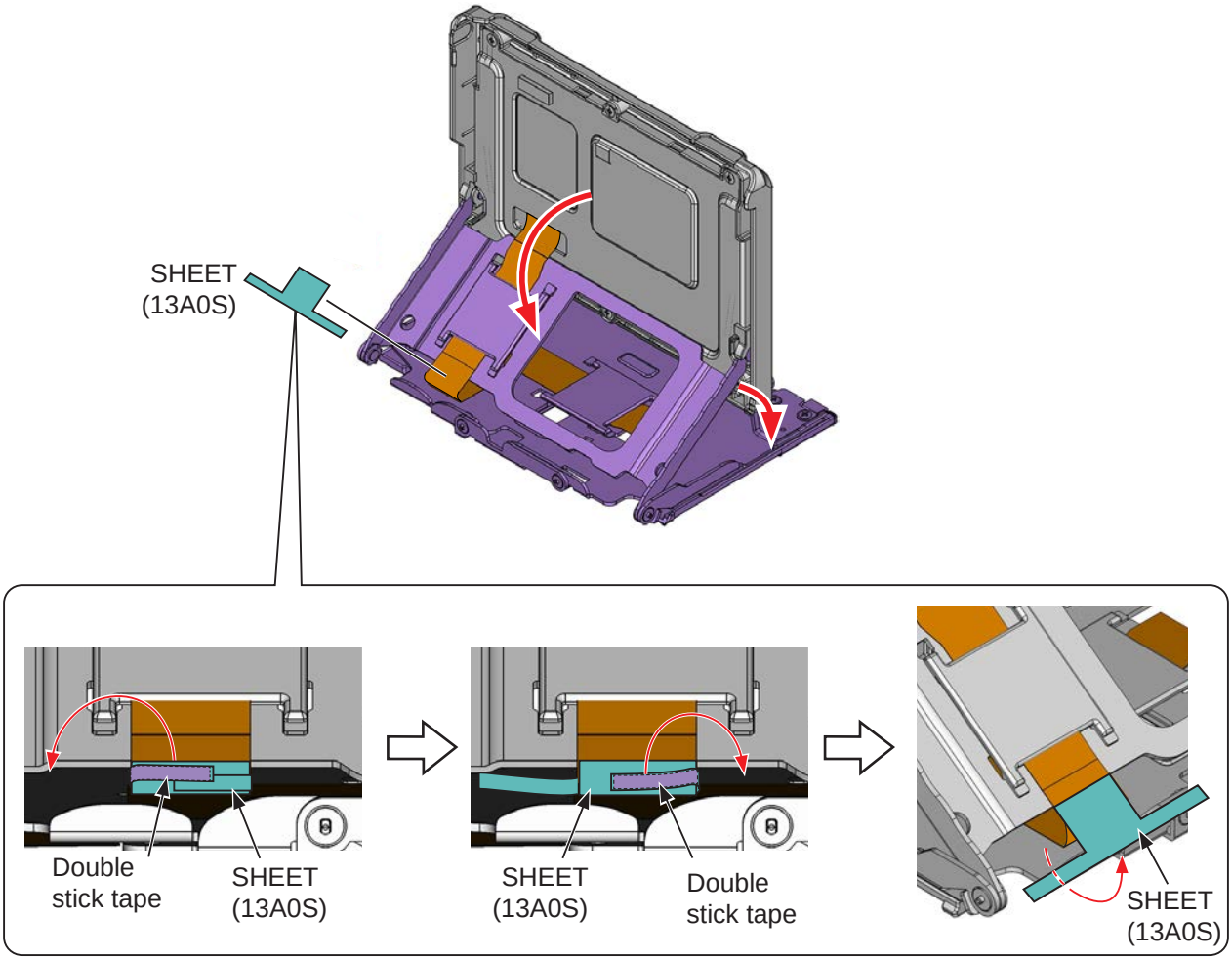


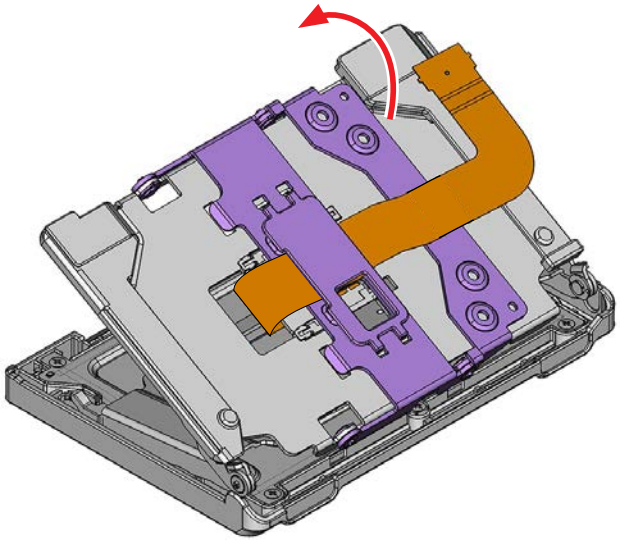

SCREW
(1A-17050FD2)
× 4
GASKET
(1381D)
× 2

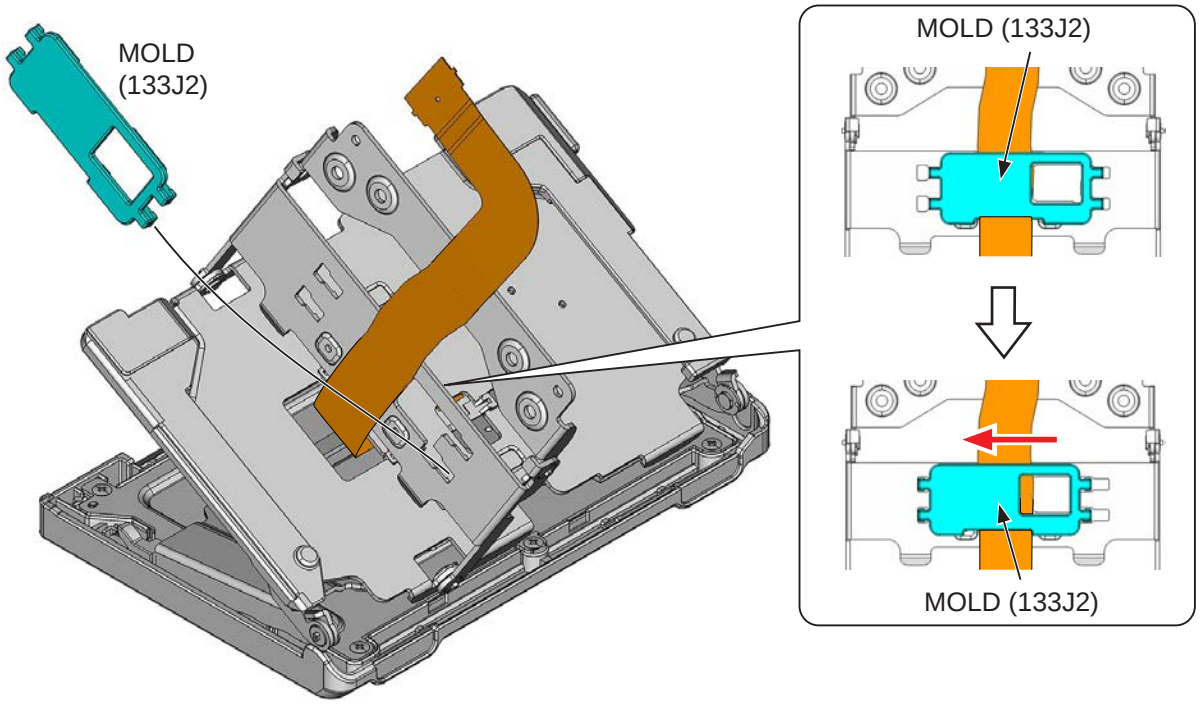
TFT MONITOR UNIT

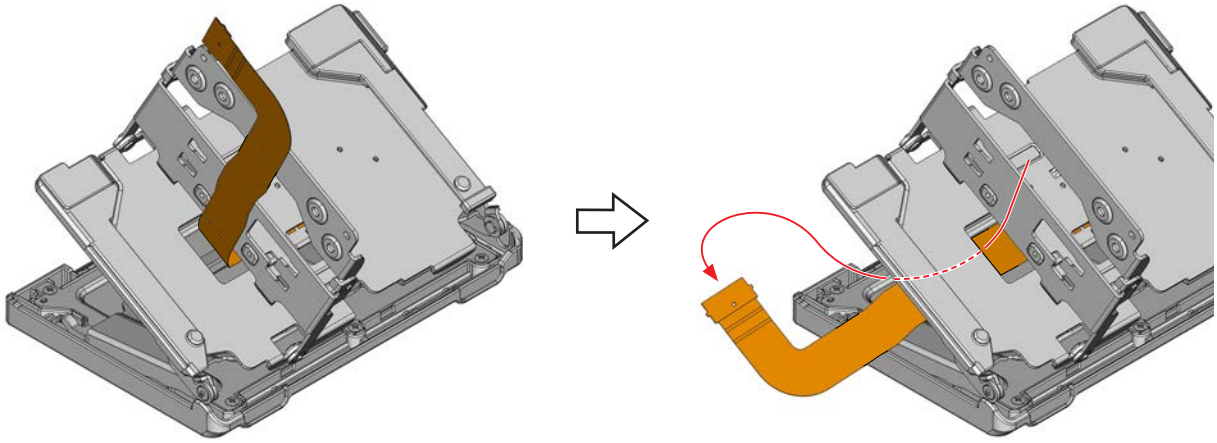


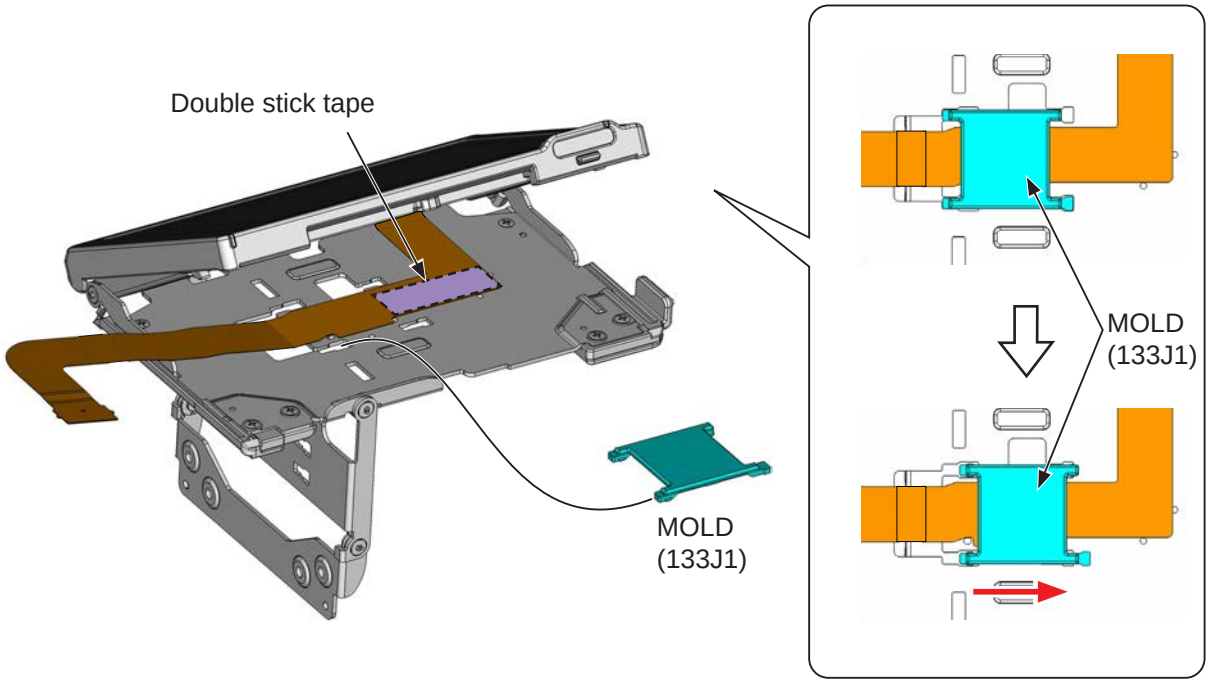


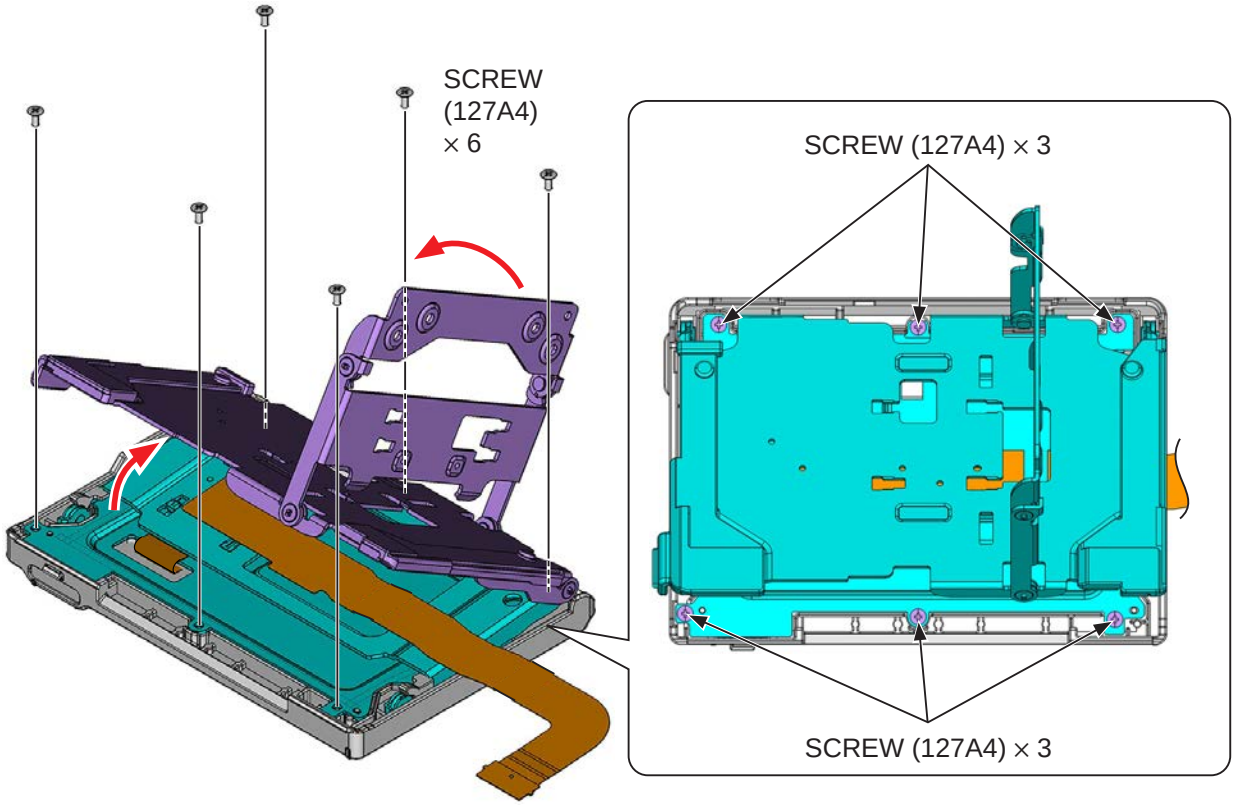

SHEET
(13A0S)
Double
stick tape
SHEET
(13A0S)
SHEET
(13A0S)
Double
stick tape
SHEET
(13A0S)

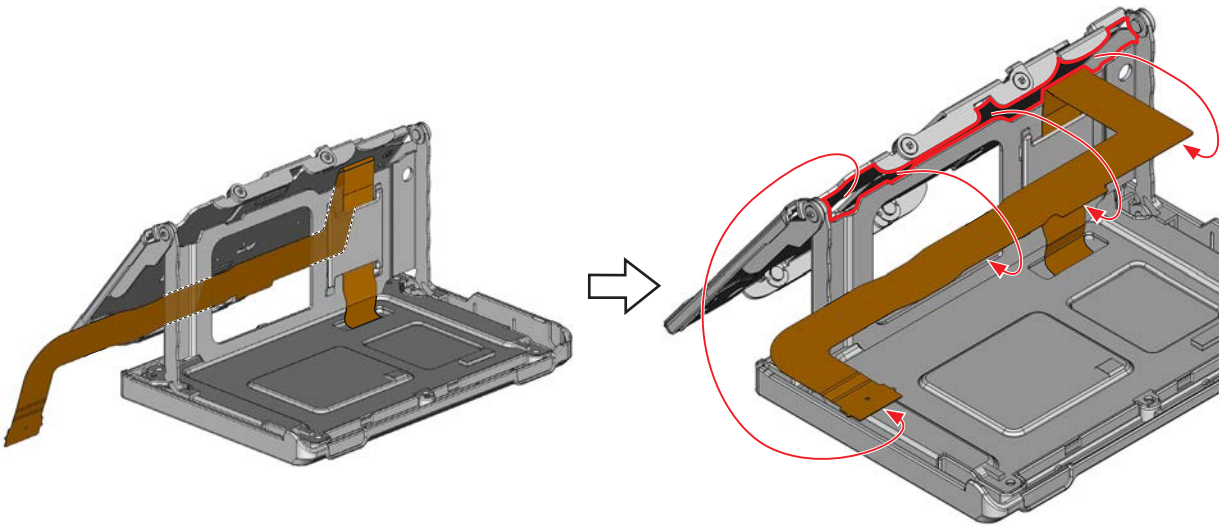


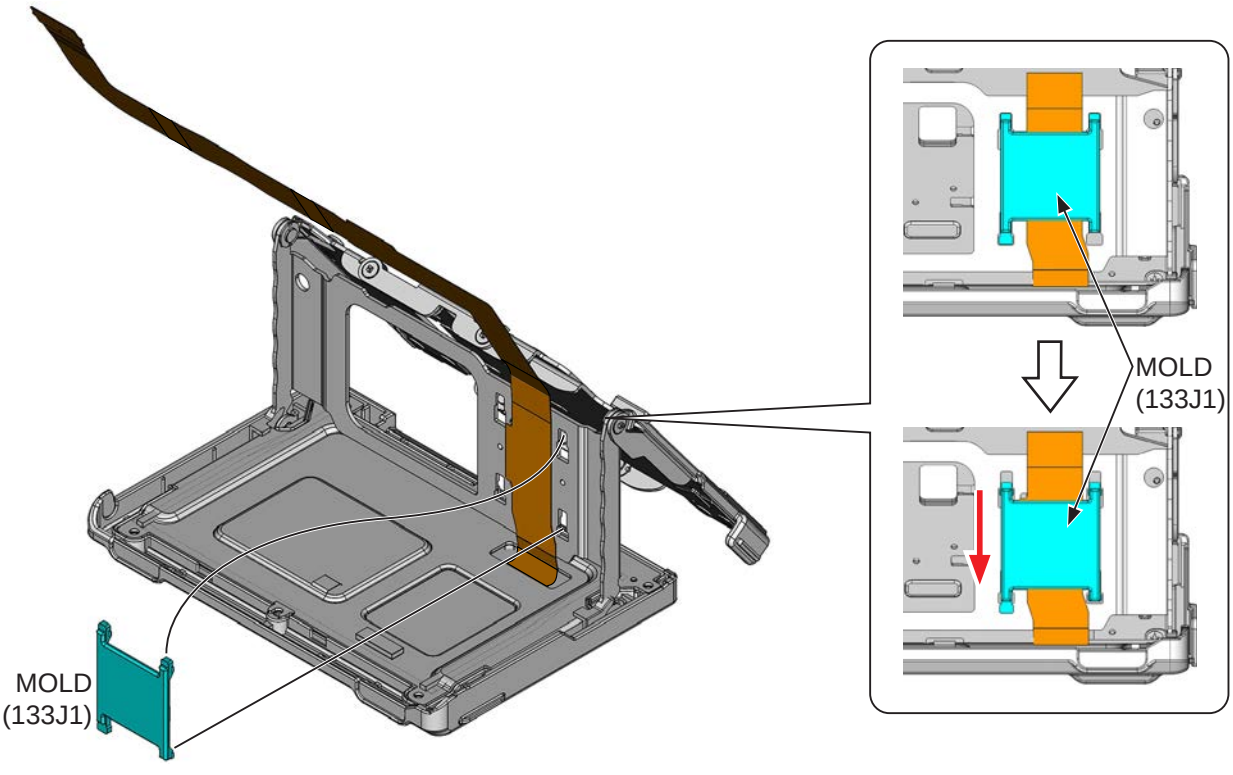

MOLD
(133J2)
MOLD (133J2)
MOLD (133J2)

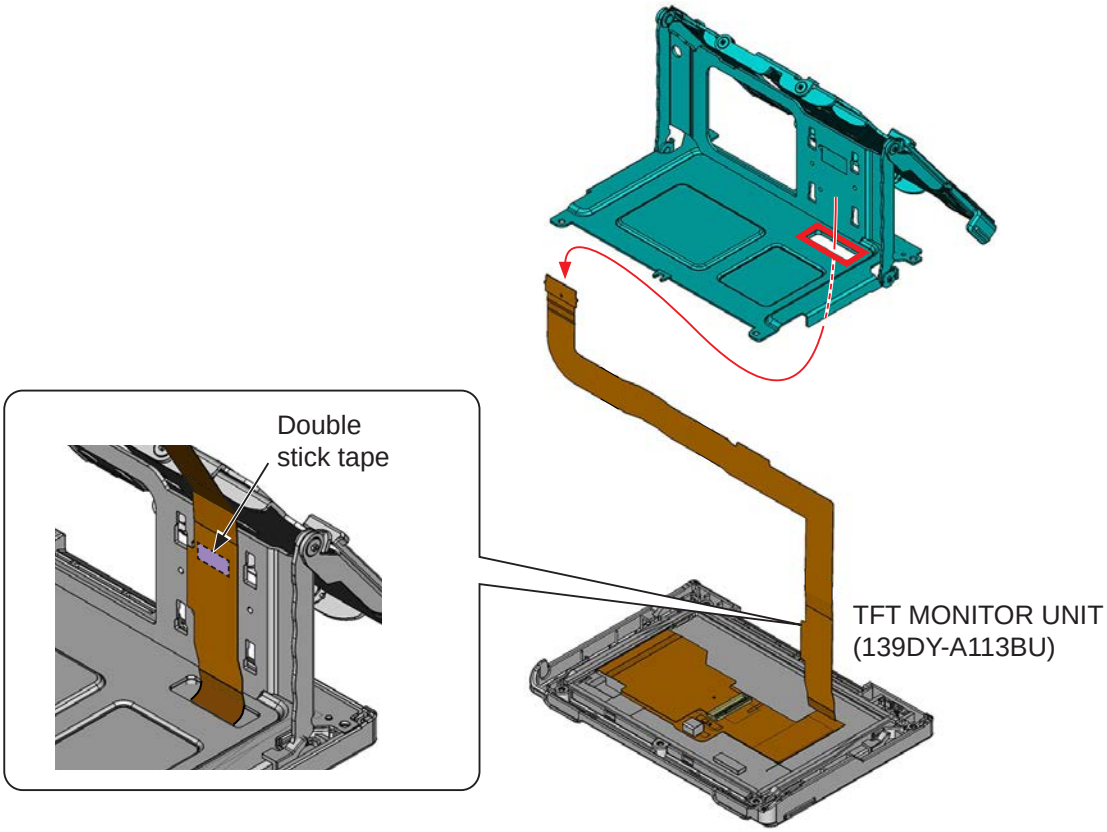


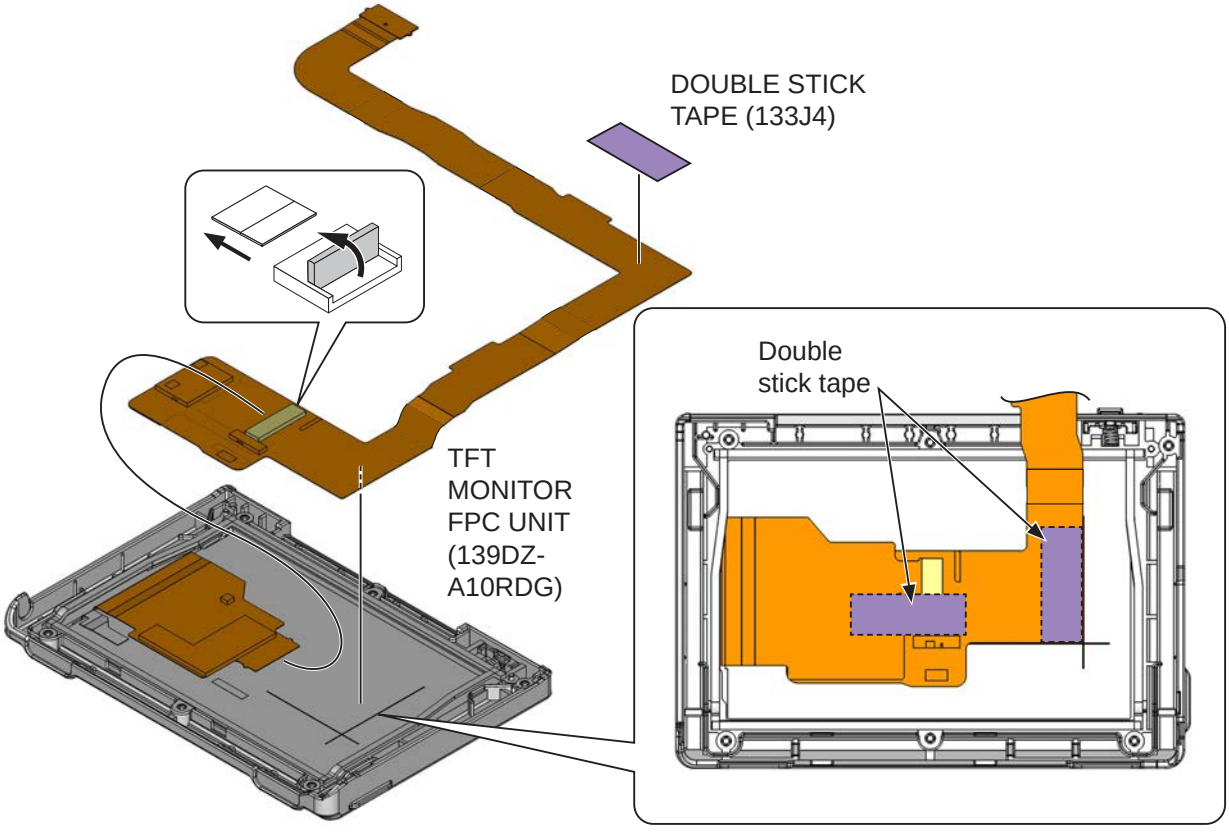

Double stick tape
MOLD
(133J1)
MOLD
(133J1)

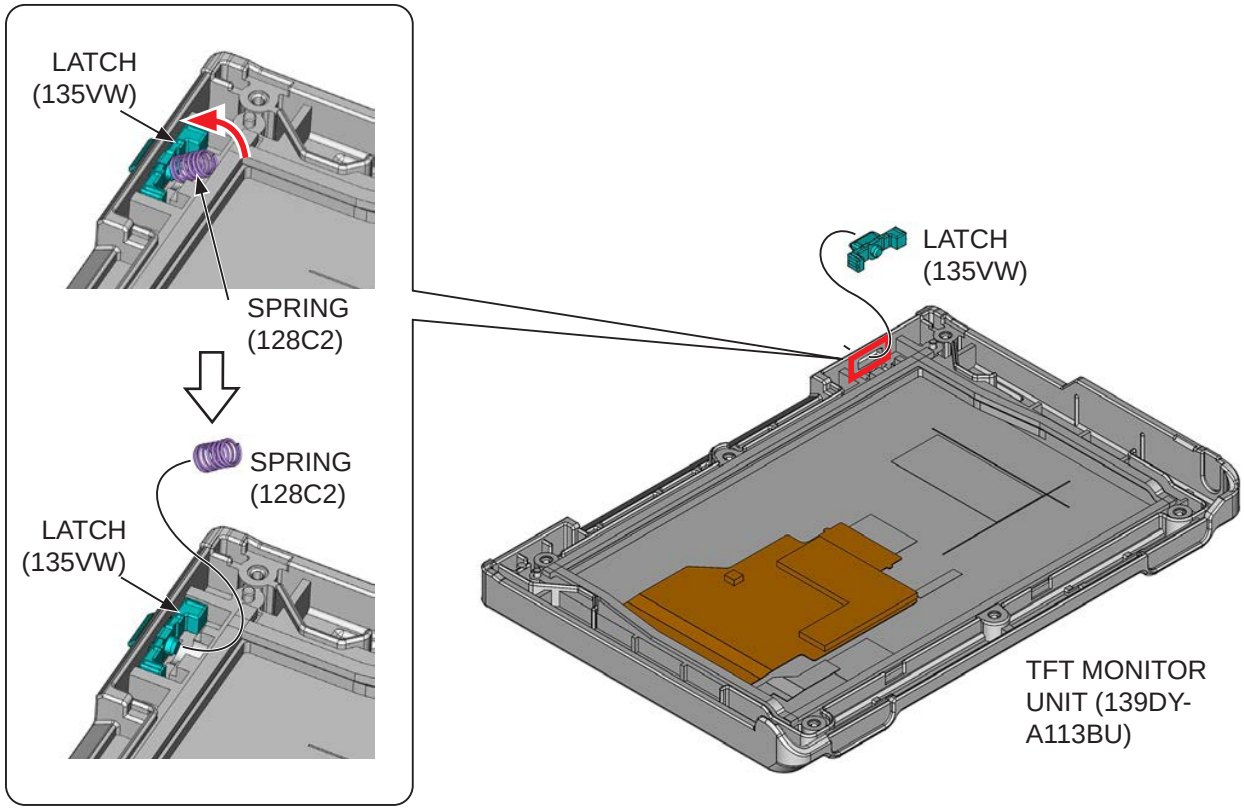

SCREW
(127A4)
× 6
SCREW (127A4) × 3
SCREW (127A4) × 3

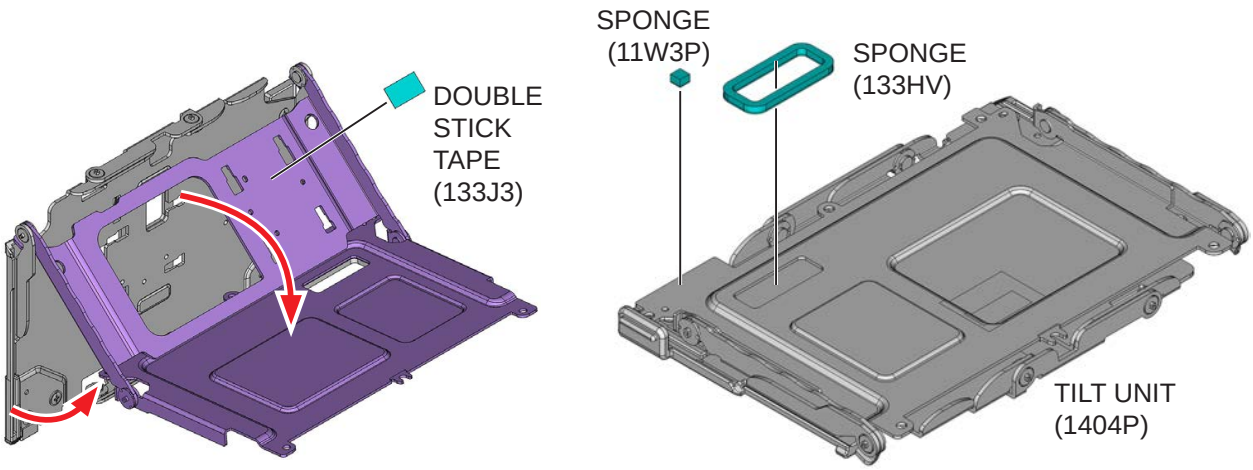



MOLD
(133J1)
MOLD
(133J1)

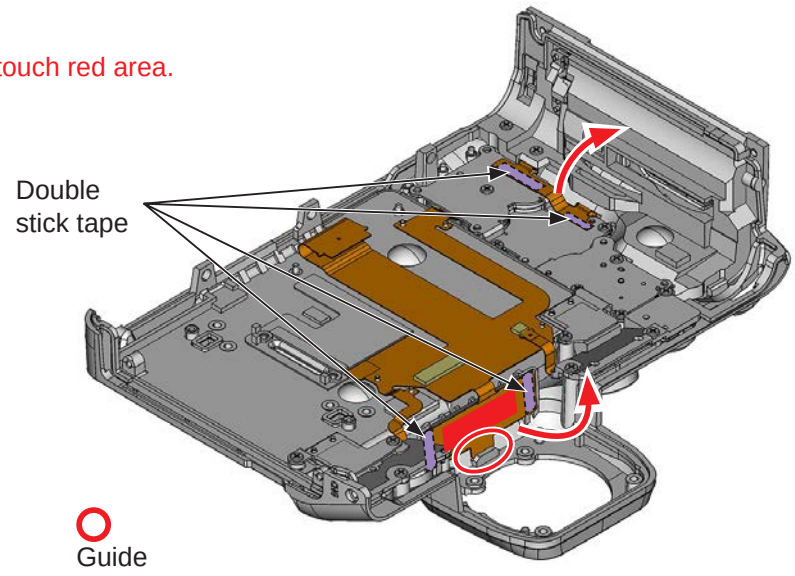

Double
stick tape
TFT MONITOR UNIT
(139DY-A113BU)

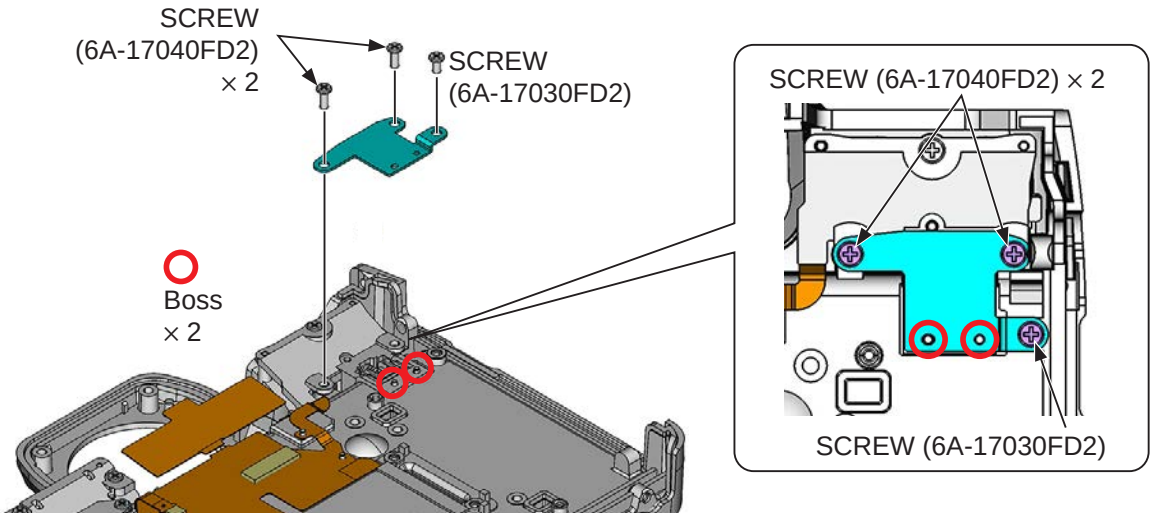

DOUBLE STICK
TAPE (133J4)
Double
stick tape
TFT
MONITOR
FPC UNIT
(139DZ-
A10RDG)

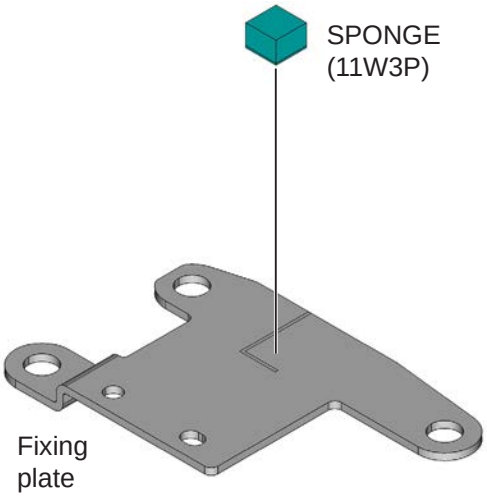

LATCH
(135VW)
SPRING
(128C2)
SPRING
(128C2)
LATCH
(135VW)
LATCH
(135VW)
TFT MONITOR
UNIT (139DY-
A113BU)

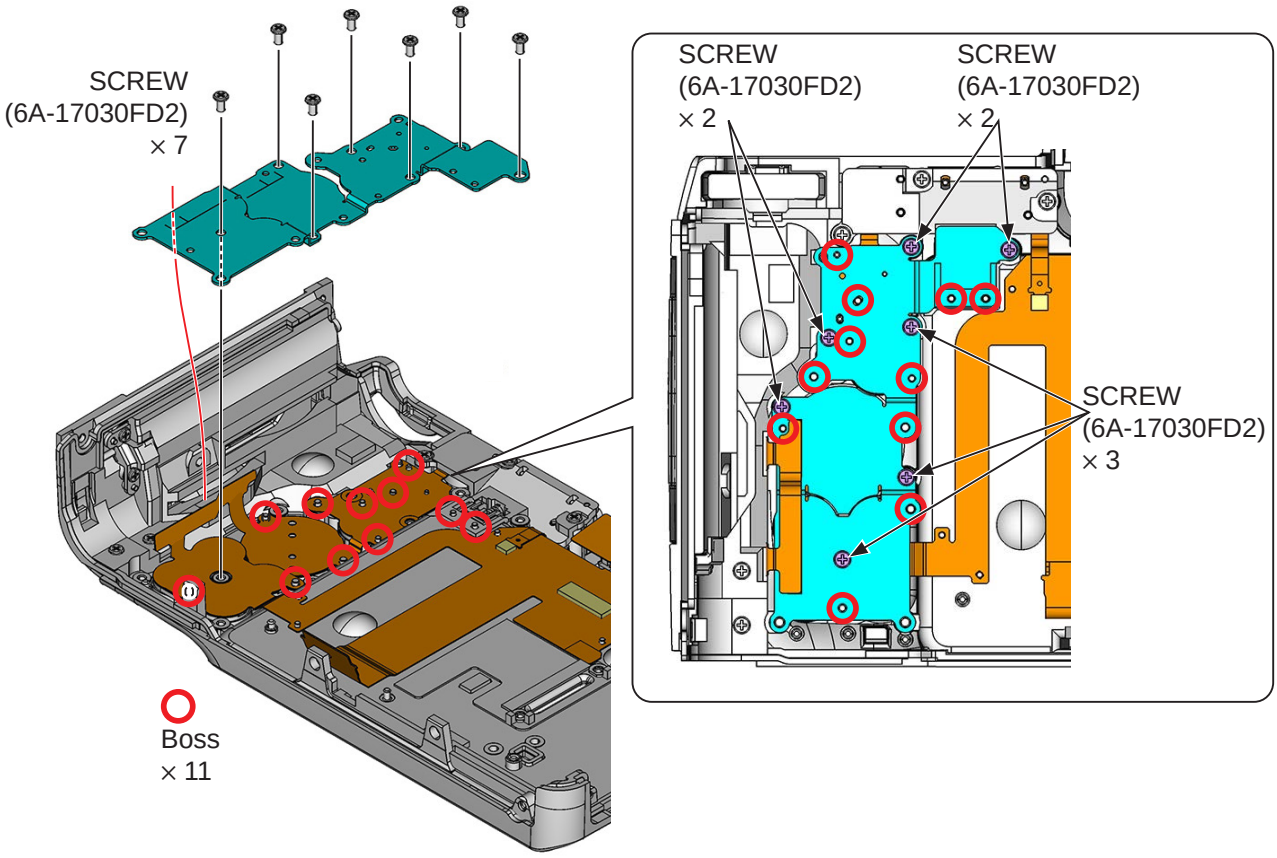

DOUBLE
STICK
TAPE
(133J3)
SPONGE
(11W3P)
SPONGE
(133HV)
TILT UNIT
(1404P)

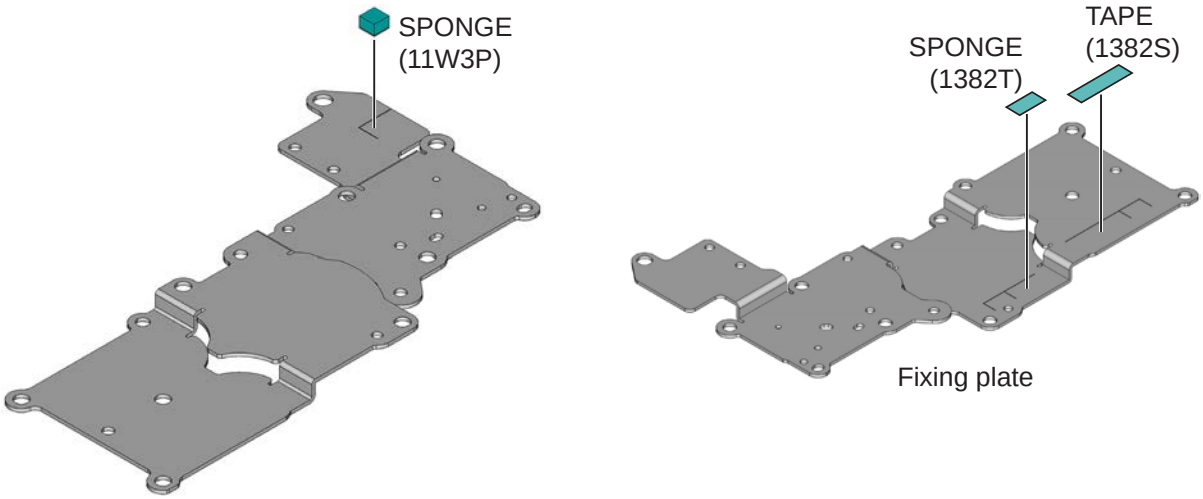
Do NOT touch red area.

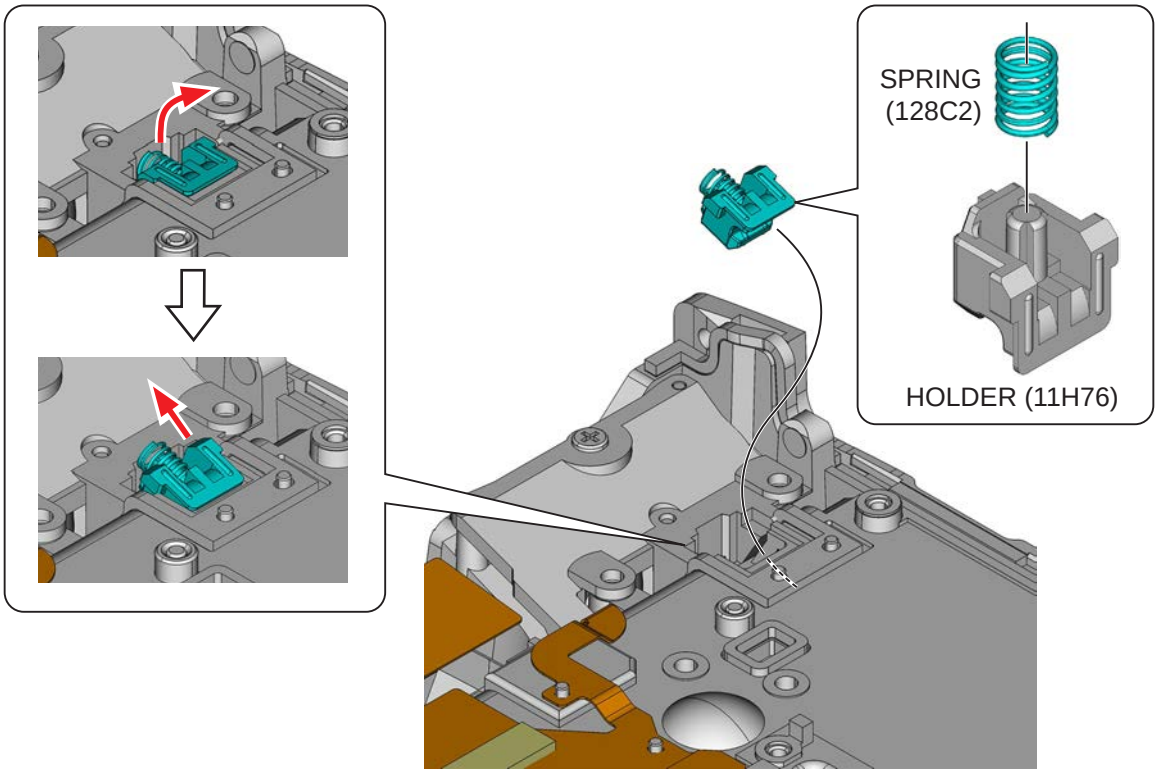


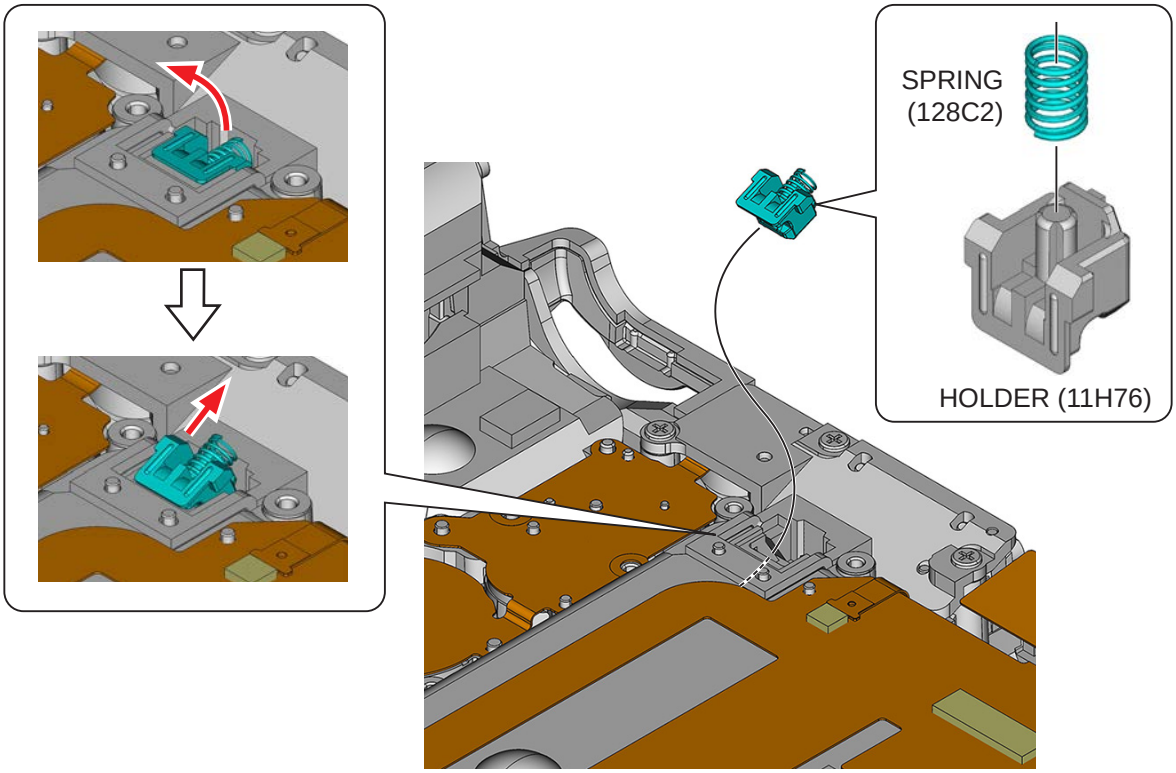


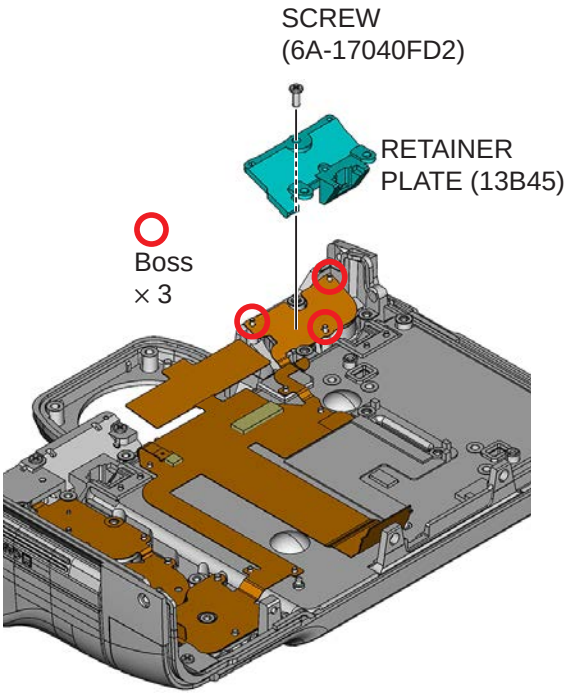


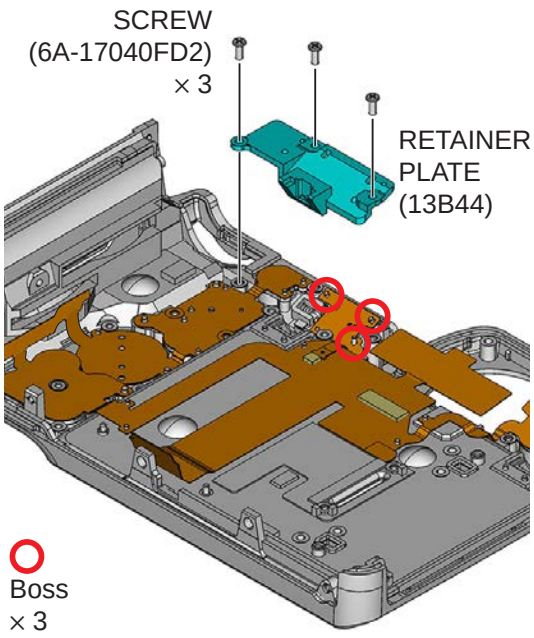

SCREW
(6A-17030FD2)
× 7
Boss
× 11
SCREW
(6A-17030FD2)
× 2
SCREW
(6A-17030FD2)
× 2
SCREW
(6A-17030FD2)
× 3

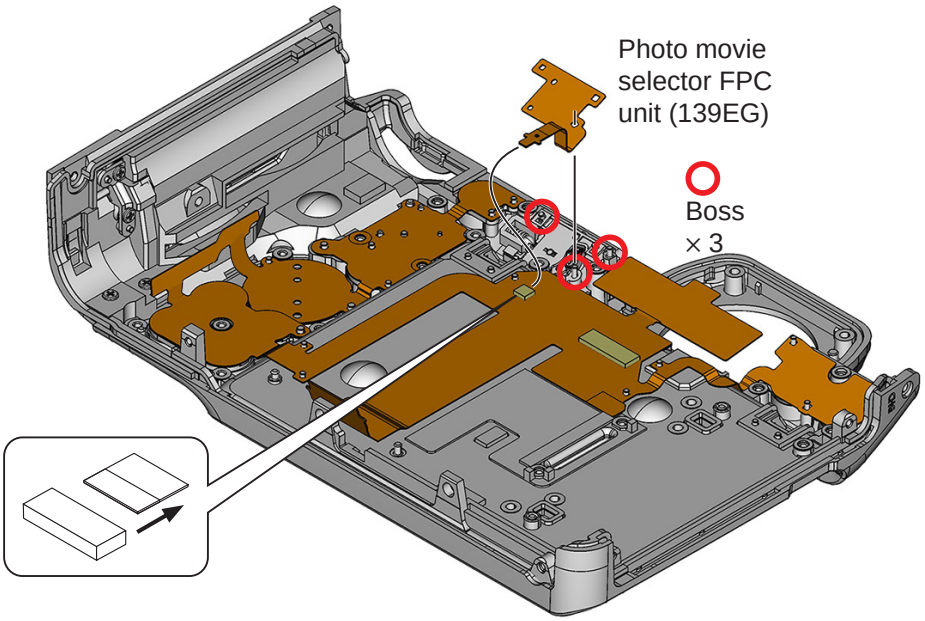

SPONGE
(11W3P)
SPONGE
(1382T)
TAPE
(1382S)
Fixing plate

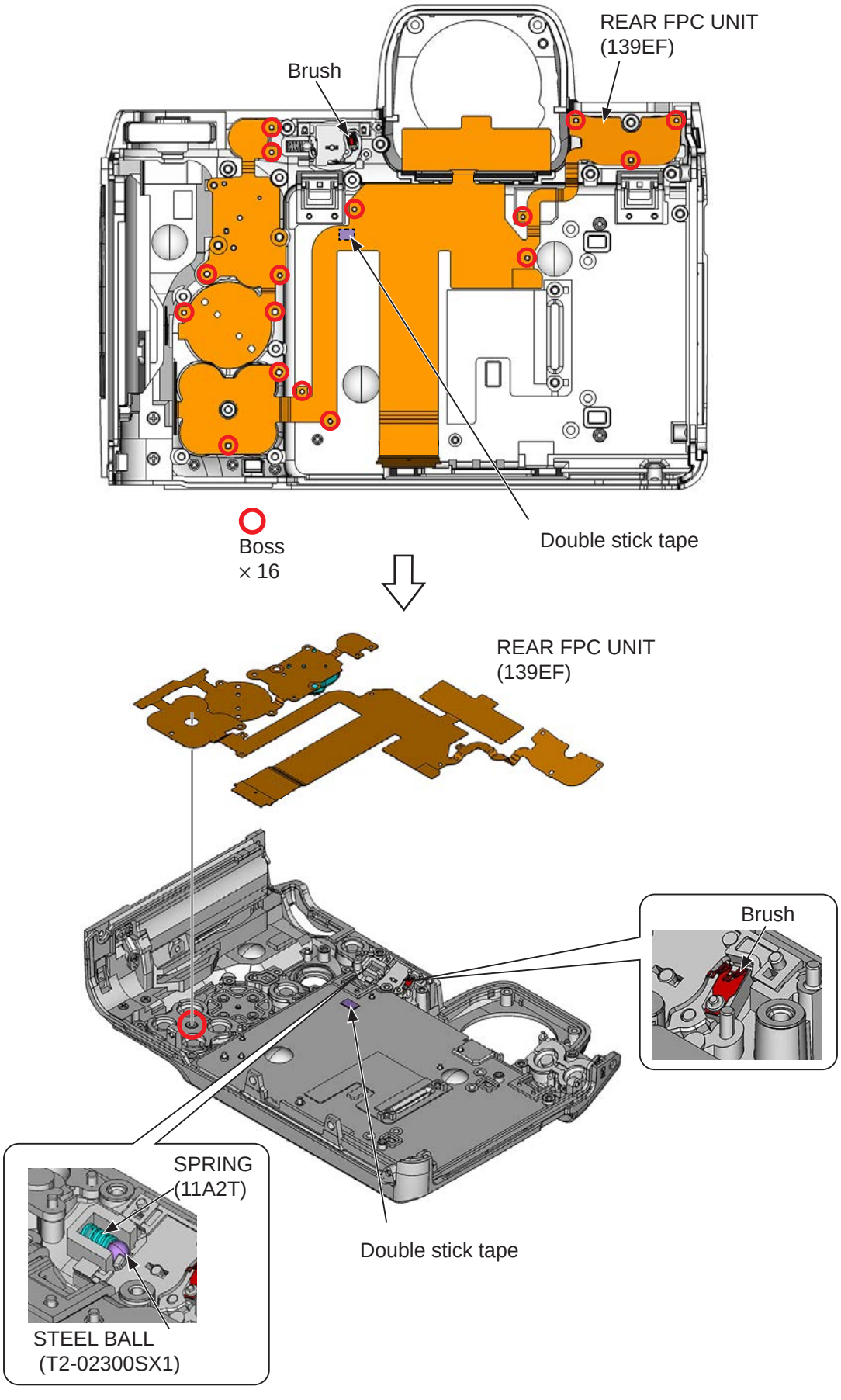

SPRING
(128C2)
HOLDER (11H76)


SPRING
(128C2)
HOLDER (11H76)

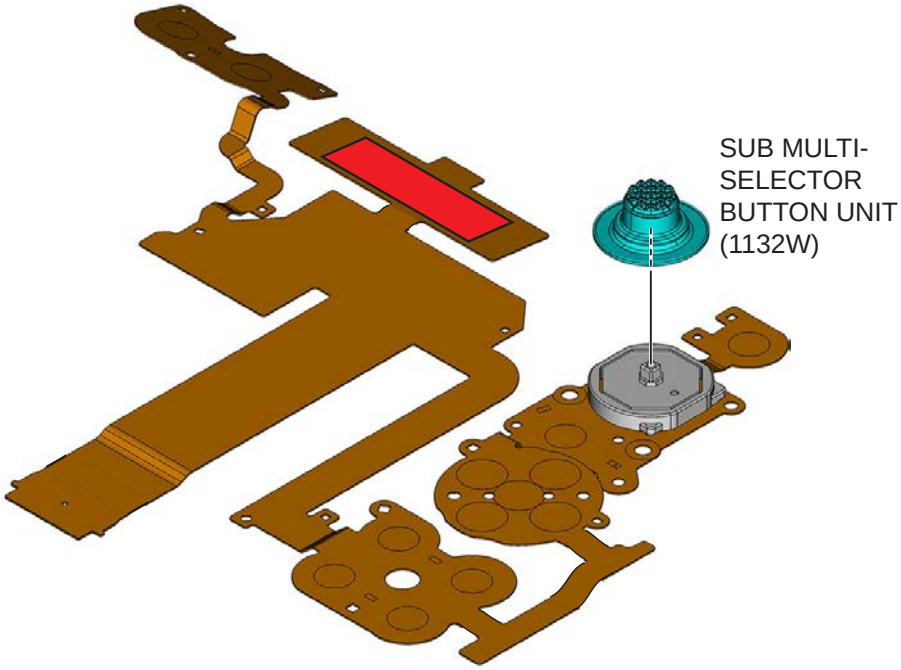

SCREW
(6A-17040FD2)
RETAINER
PLATE (13B45)
Boss
× 3

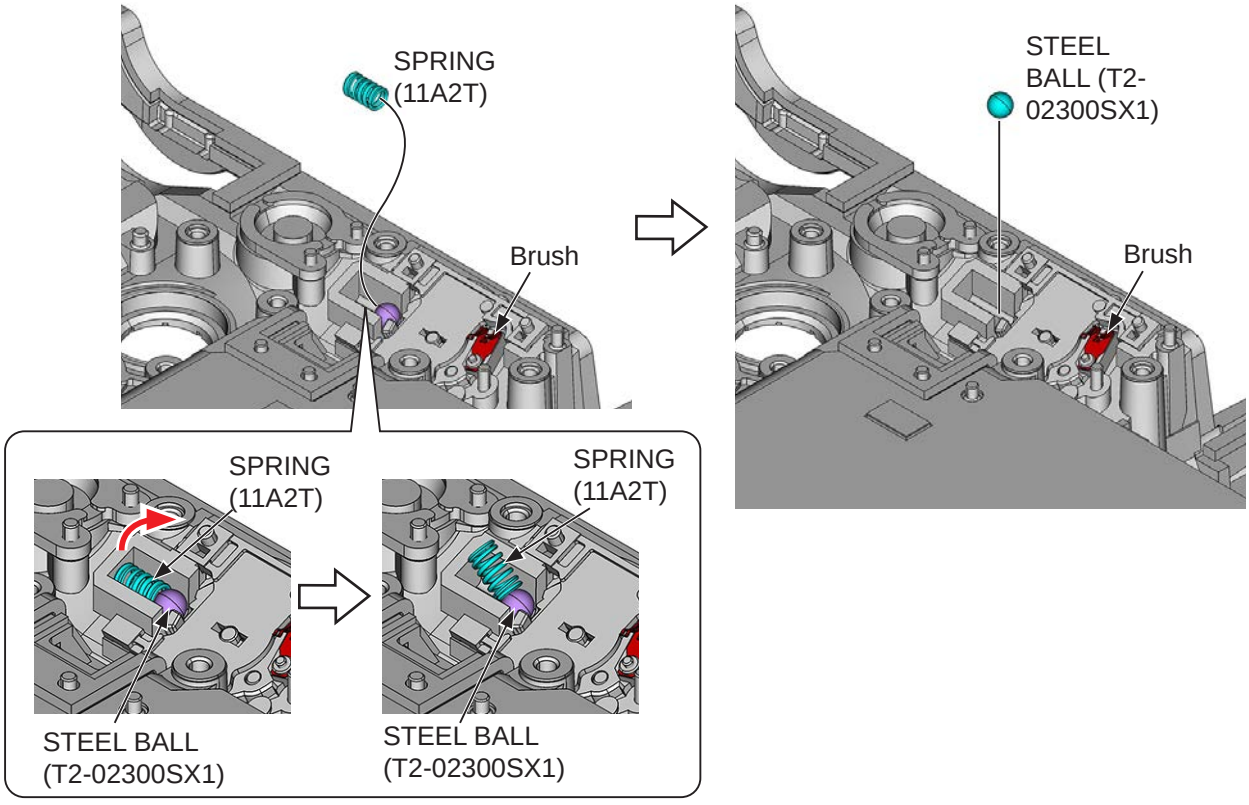

SCREW
(6A-17040FD2)
× 3
RETAINER
PLATE
(13B44)
Boss
× 3

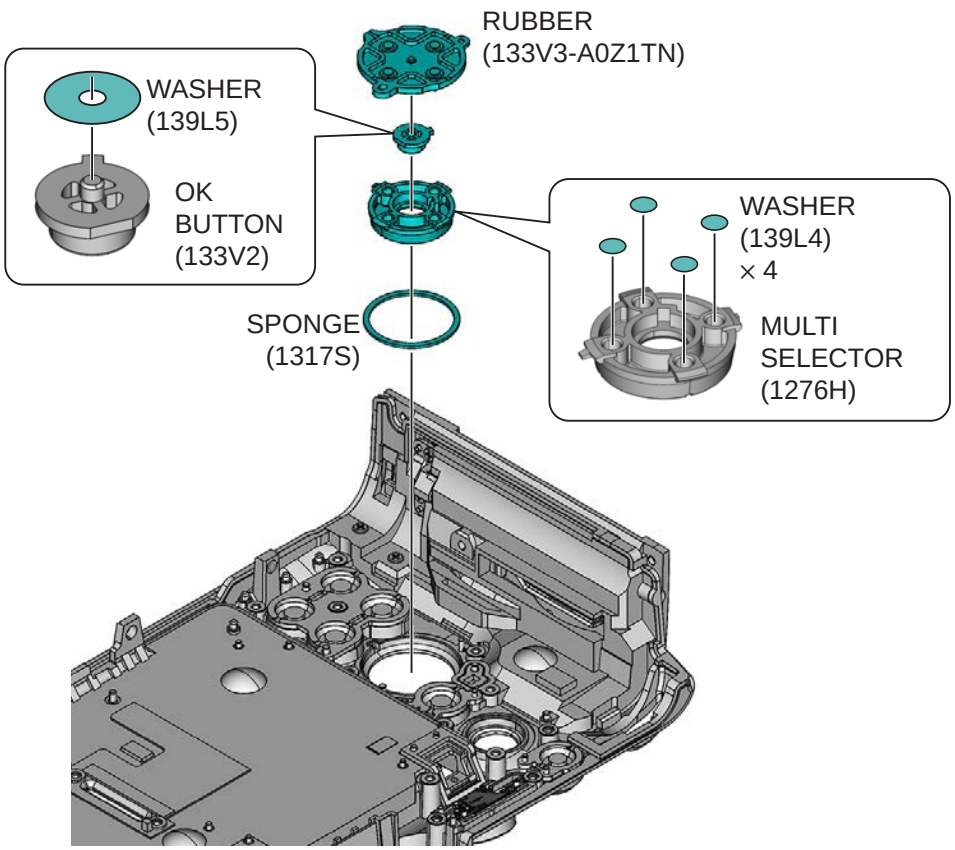

Photo movie
selector FPC
unit (139EG)
Boss
× 3

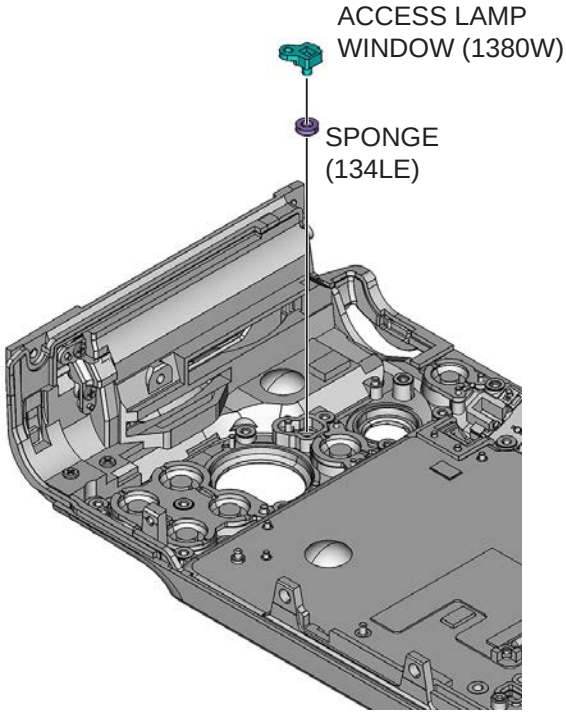

REAR FPC UNIT
(139EF)
Brush
Boss
× 16
Double stick tape
REAR FPC UNIT
(139EF)
Brush
SPRING
(11A2T)
Double stick tape
STEEL BALL
(T2-02300SX1)

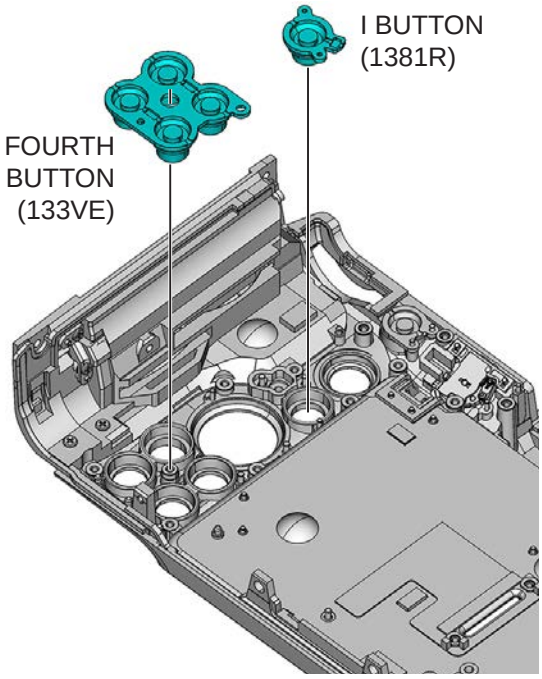
Do NOT touch red area.

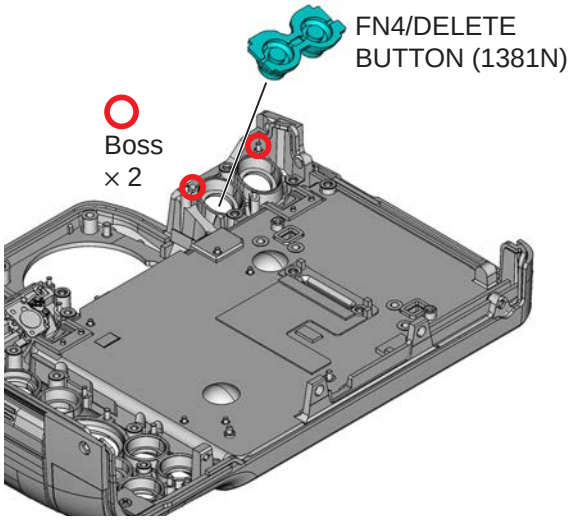


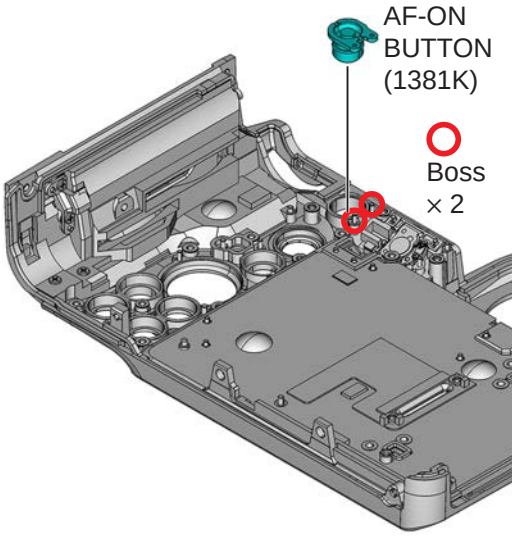


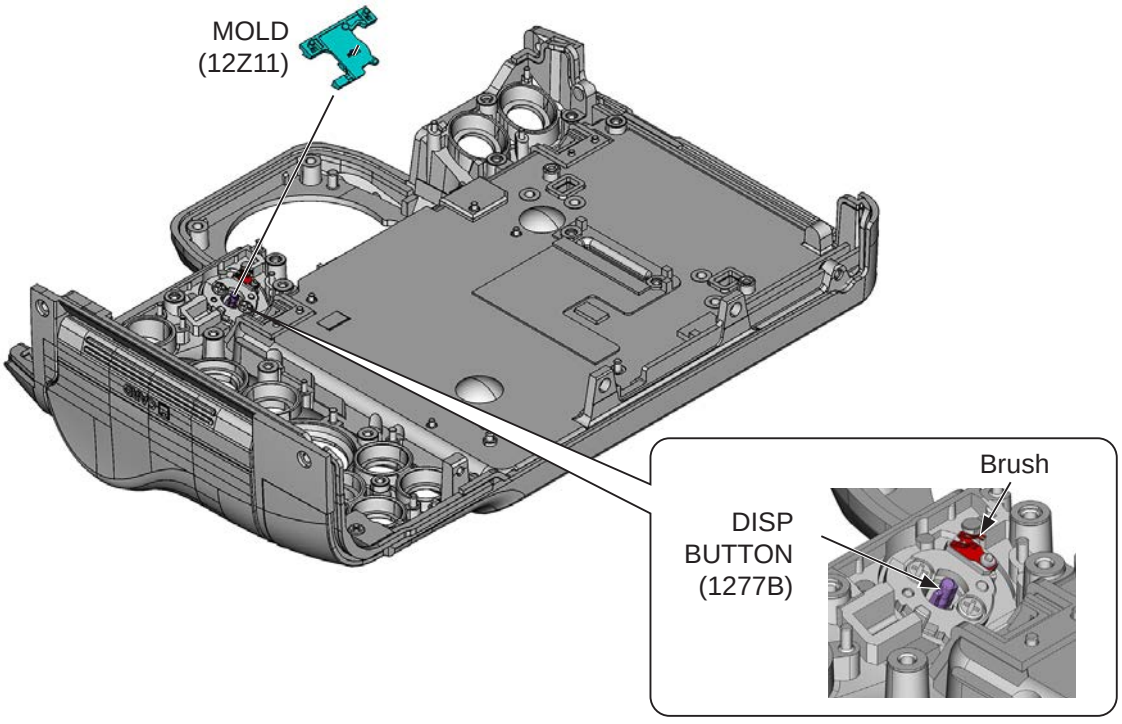

RUBBER
(133V3-A0Z1TN)
WASHER
(139L5)
OK
BUTTON
(133V2)
WASHER
(139L4)
× 4
MULTI
SELECTOR
(1276H)
SPONGE
(1317S)

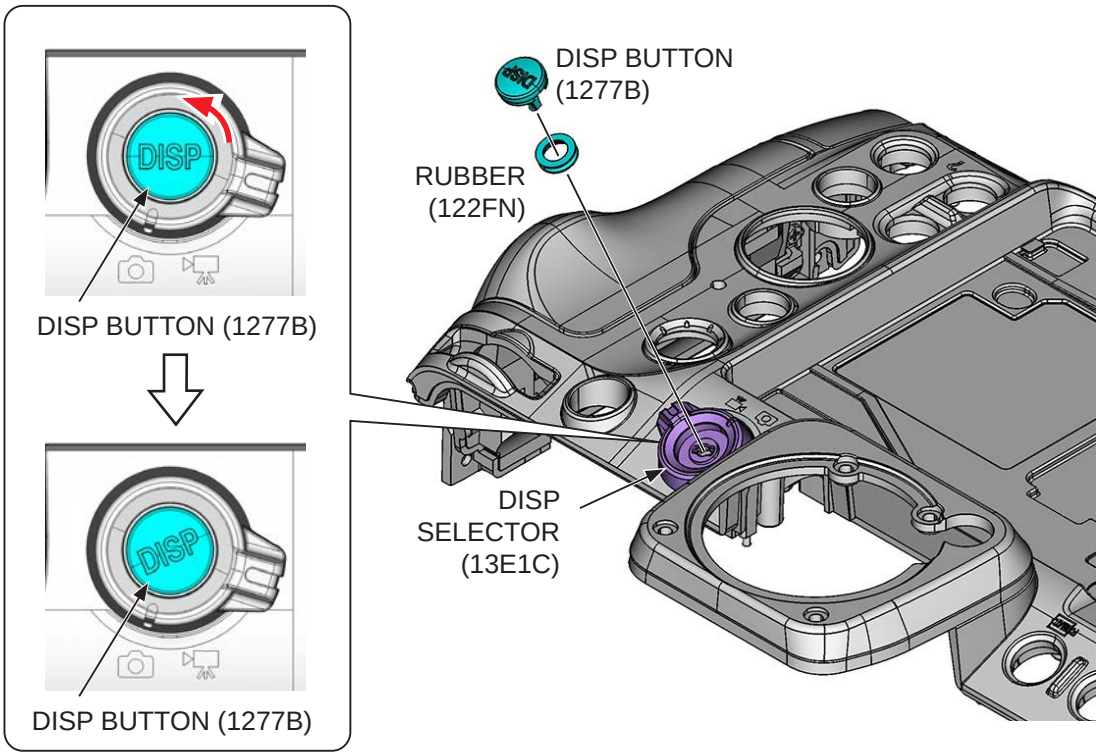

ACCESS LAMP
WINDOW (1380W)
SPONGE
(134LE)

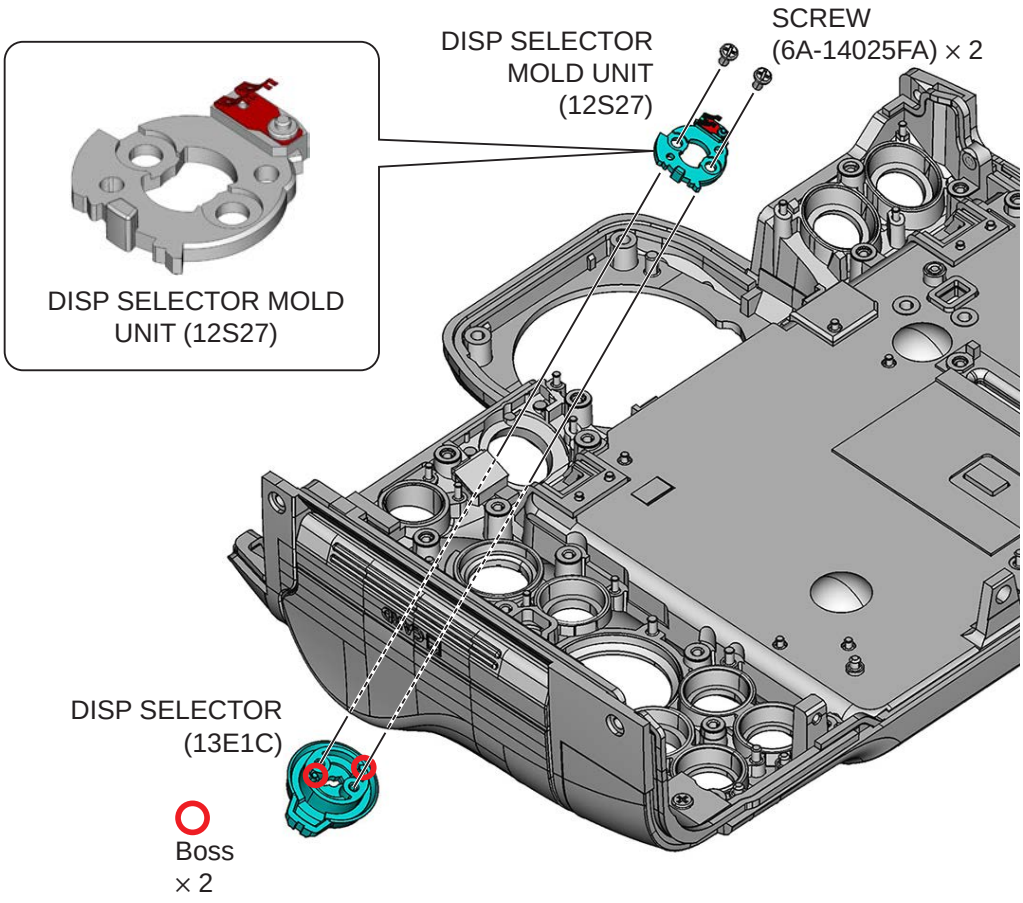

I BUTTON
(1381R)
FOURTH
BUTTON
(133VE)

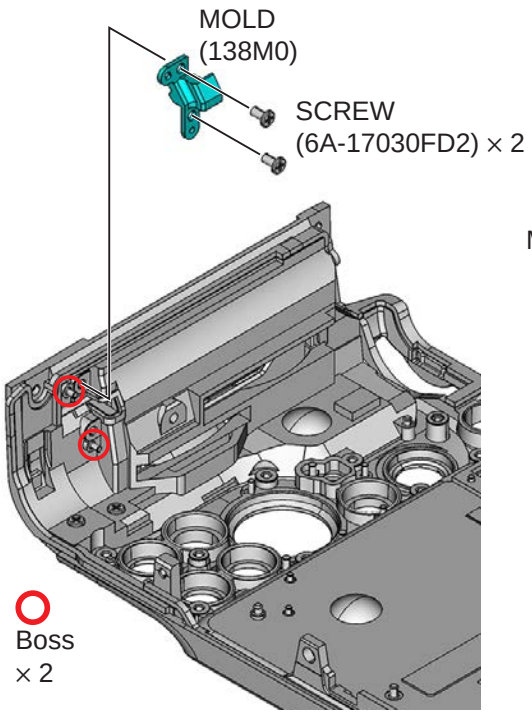

FN4/DELETE
BUTTON (1381N)
Boss
× 2

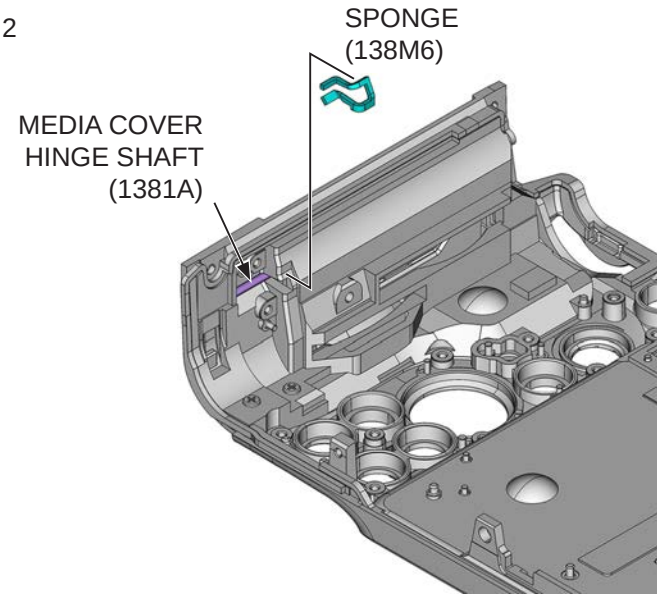

AF-ON
BUTTON
(1381K)
Boss
× 2

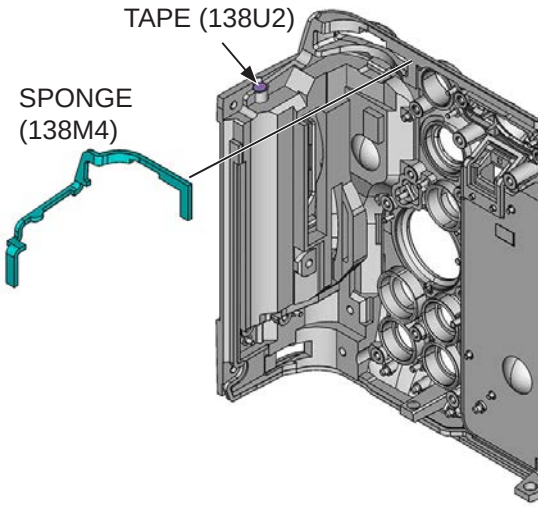

MOLD
(12Z11)
Brush
DISP
BUTTON
(1277B)

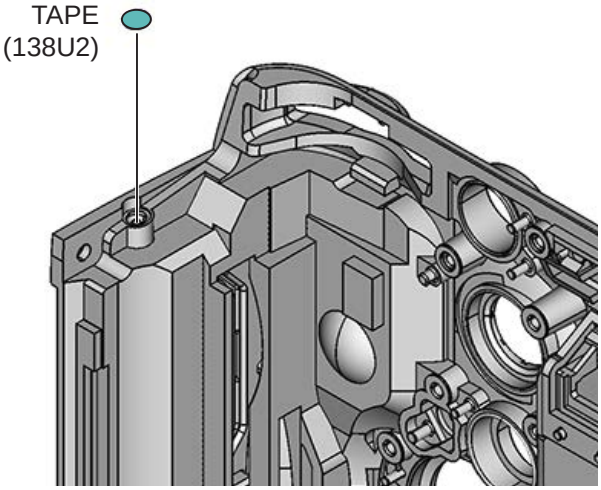

DISP BUTTON
(1277B)
RUBBER
(122FN)
DISP BUTTON (1277B)
DISP
SELECTOR
(13E1C)
DISP BUTTON (1277B)


DISP SELECTOR MOLD
UNIT (12S27)
DISP SELECTOR
MOLD UNIT
(12S27)
SCREW
(6A-14025FA) × 2
DISP SELECTOR
(13E1C)
Boss
× 2

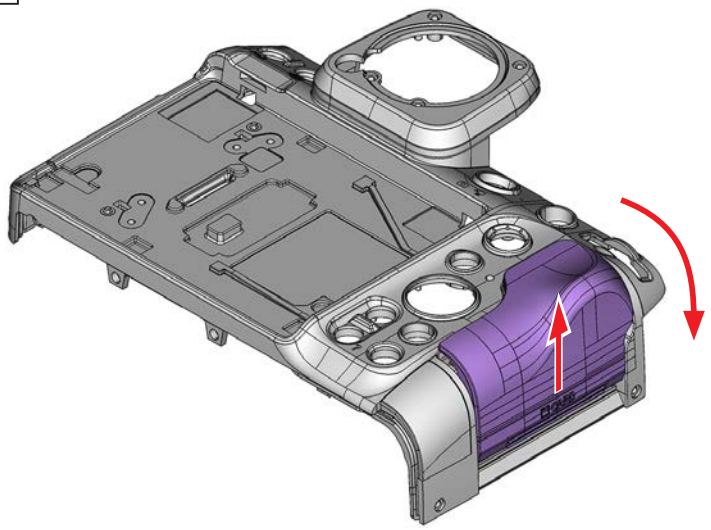

MOLD
(138M0)
SCREW
(6A-17030FD2) × 2
Boss
× 2

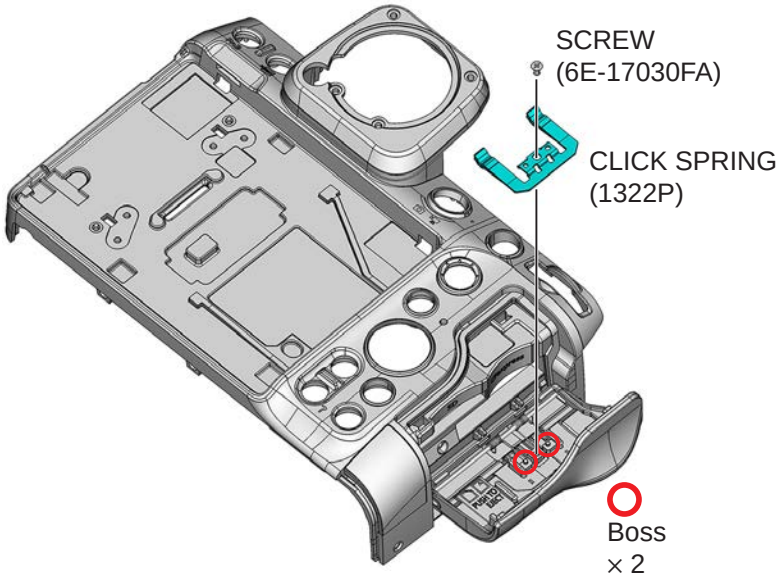

SPONGE
(138M6)
MEDIA COVER
HINGE SHAFT
(1381A)

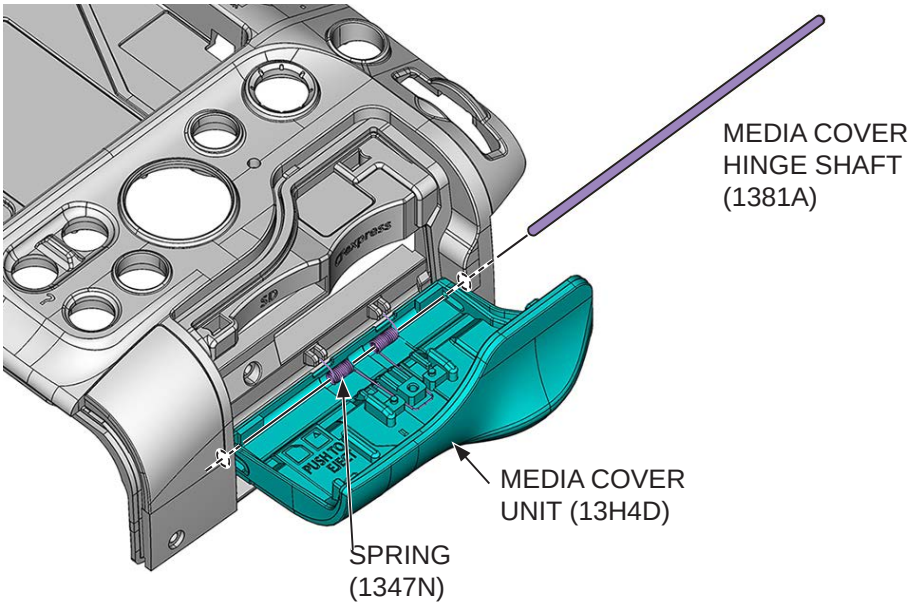

TAPE (138U2)
SPONGE
(138M4)

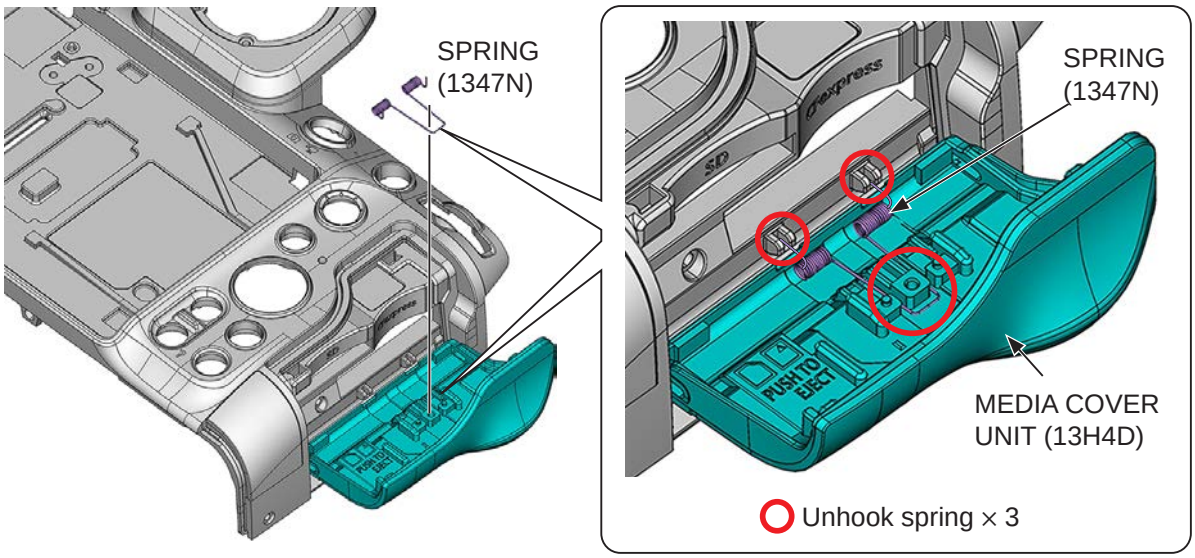

TAPE
(138U2)

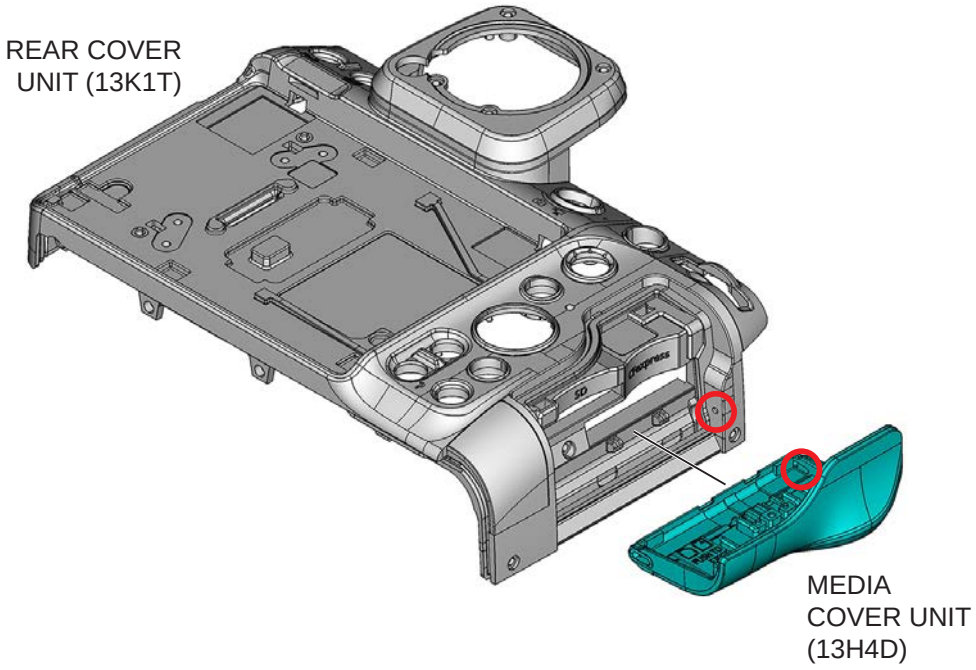
MEDIA COVER UNIT



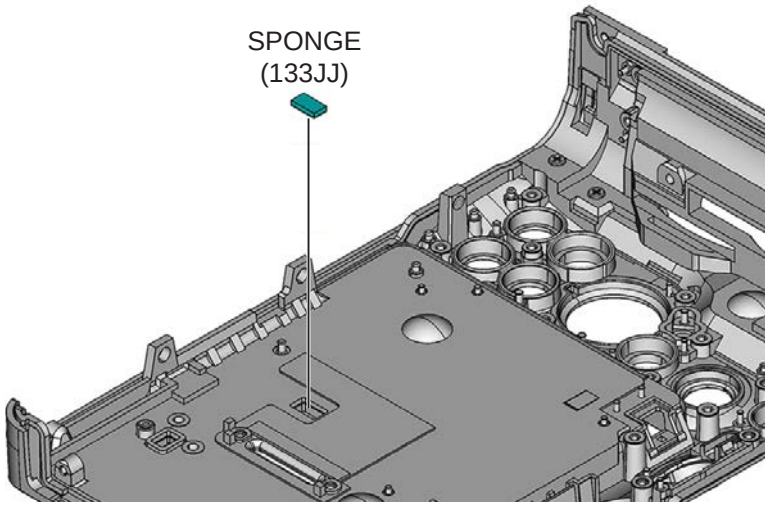


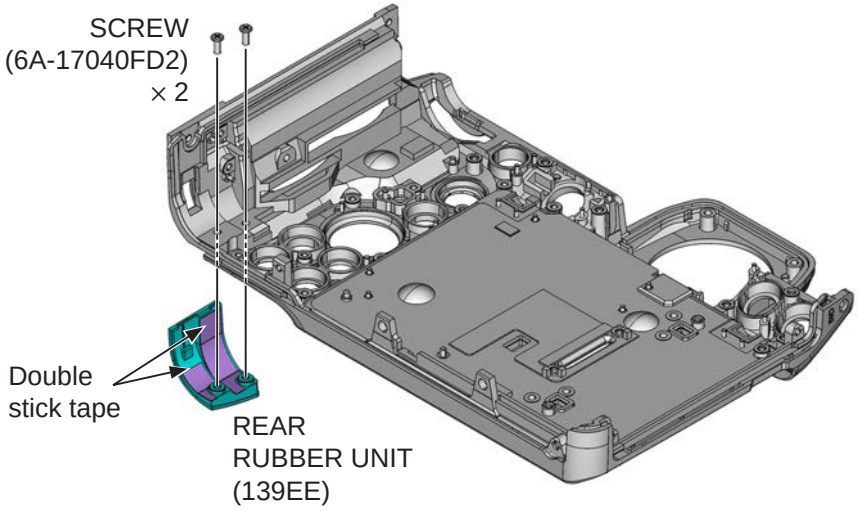


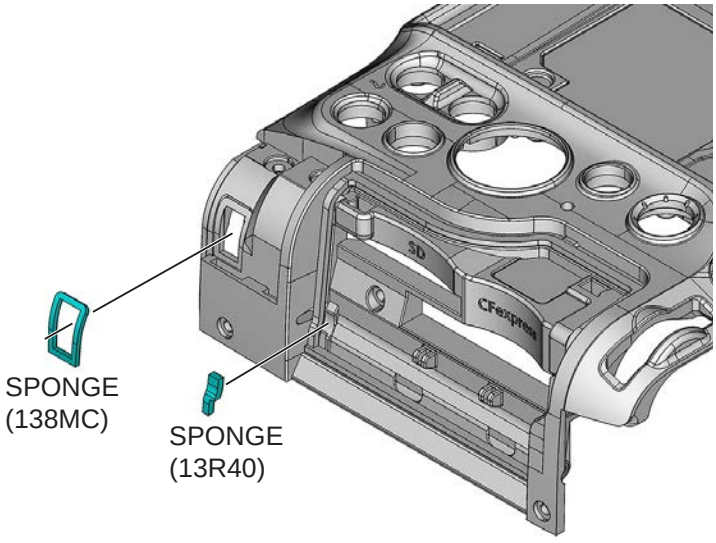

SPRING
(1347N)
SPRING
(1347N)
MEDIA COVER
UNIT (13H4D)
Unhook spring × 3

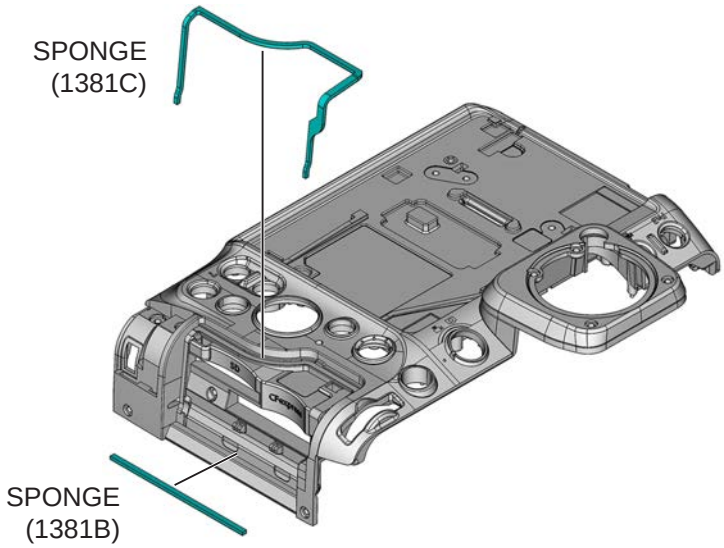

REAR COVER
UNIT (13K1T)
MEDIA
COVER UNIT
(13H4D)

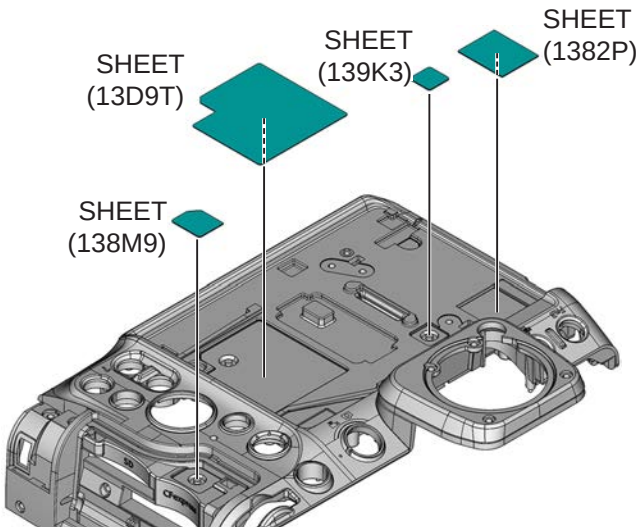
REAR COVER UNIT

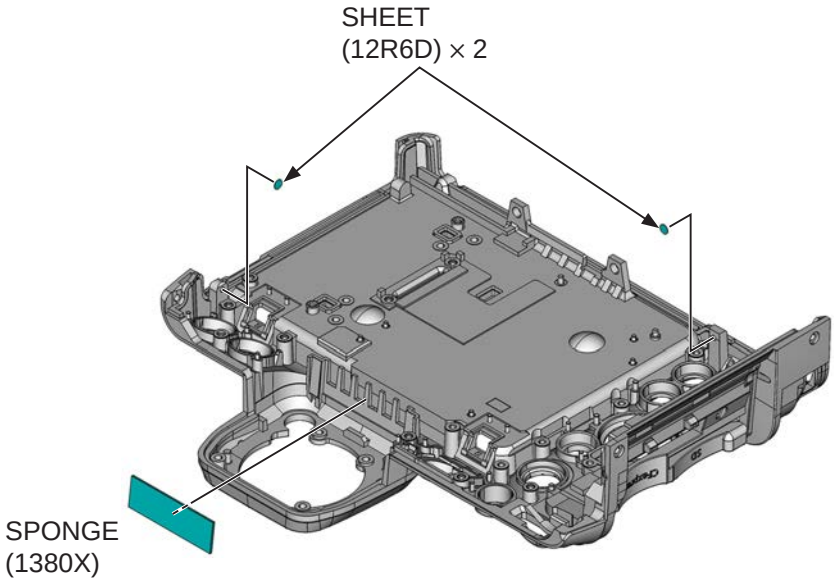


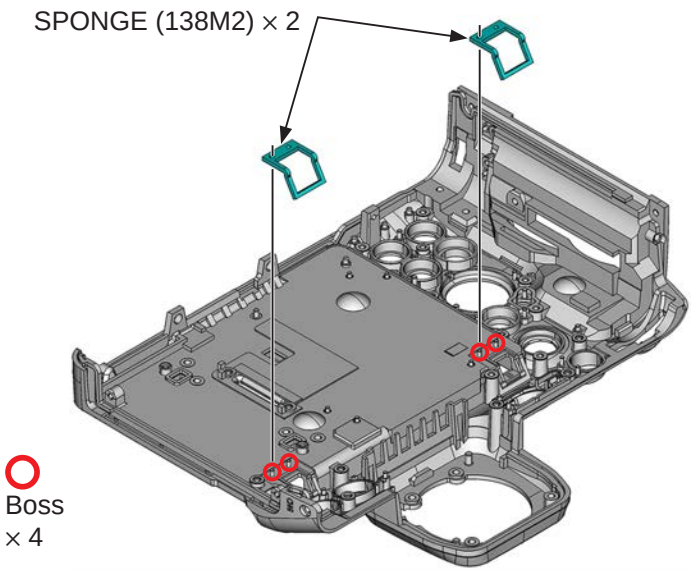


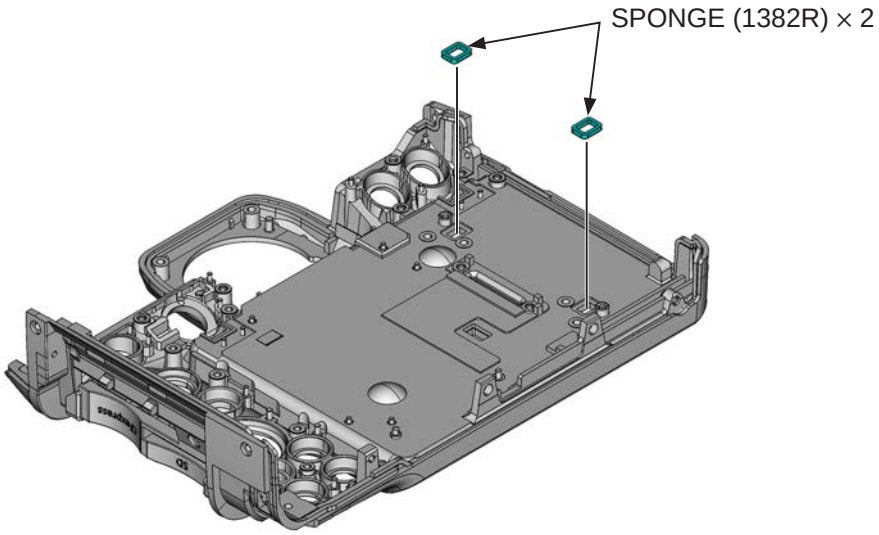


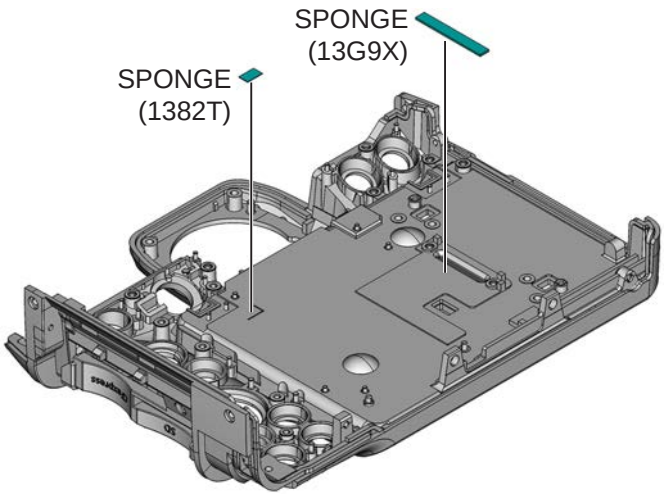

SPONGE
(1381C)
SPONGE
(1381B)

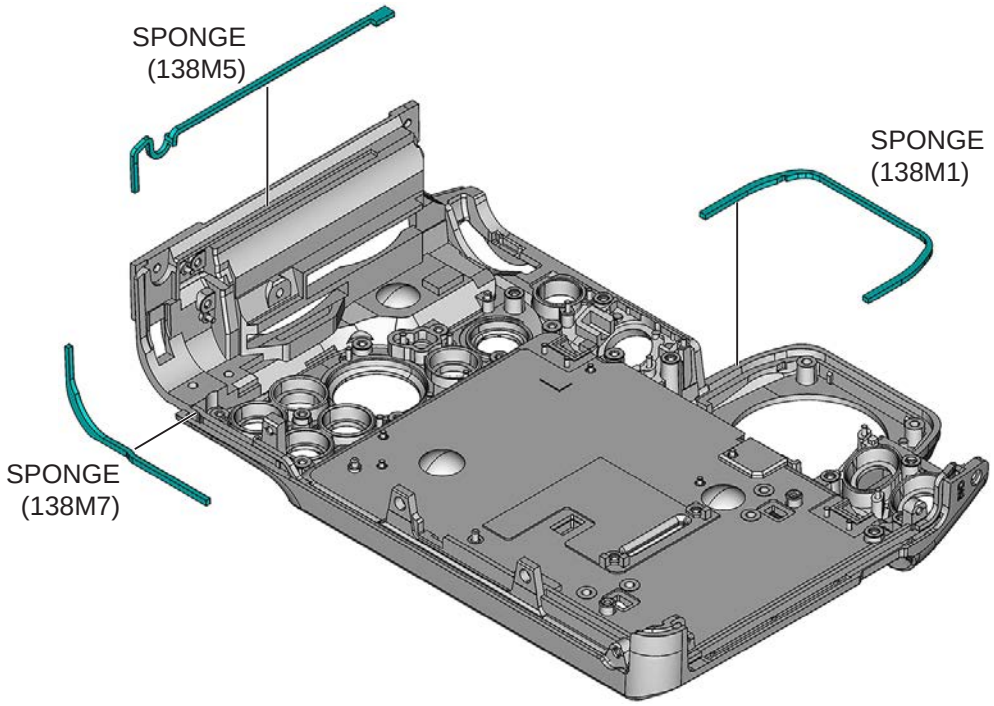

SHEET
(13D9T)
SHEET
(139K3)
SHEET
(1382P)
SHEET
(138M9)

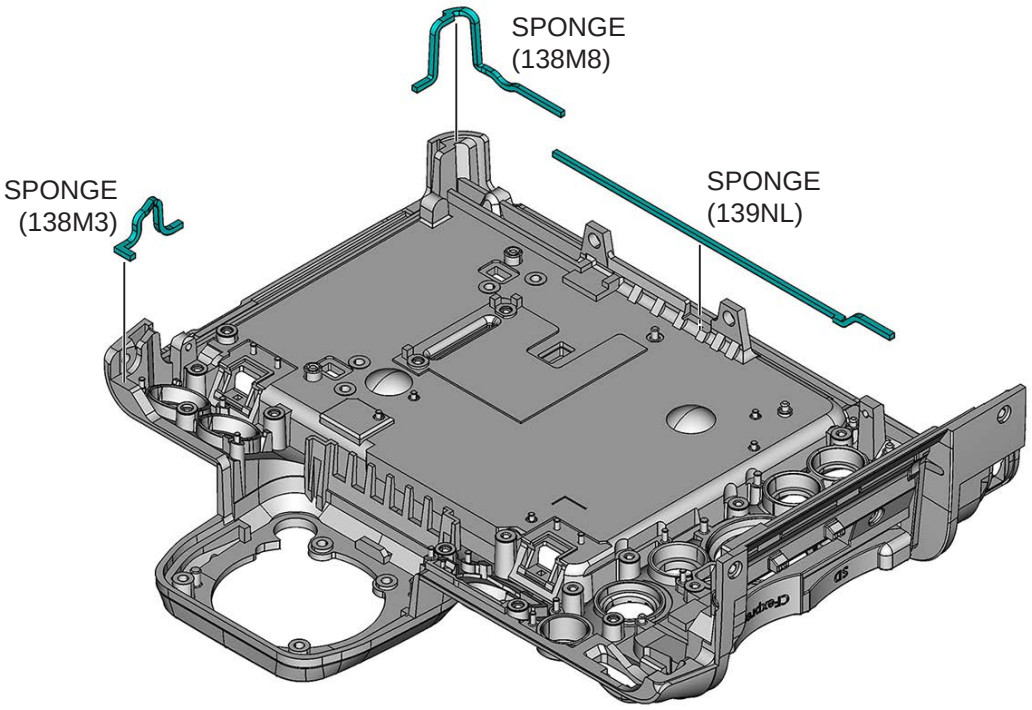

SHEET
(12R6D) × 2
SPONGE
(1380X)


SPONGE (138M2) × 2
Boss
× 4


SPONGE (1382R) × 2


SPONGE
(13G9X)
SPONGE
(1382T)

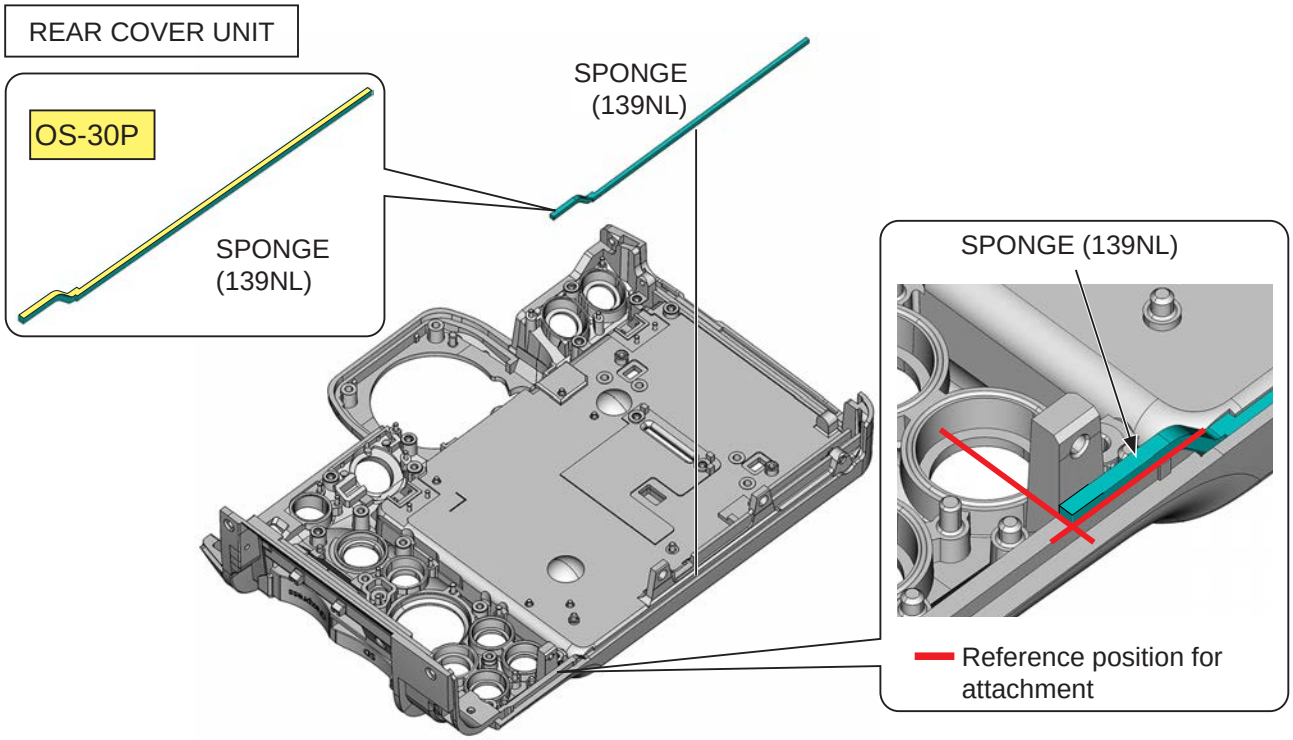

SPONGE
(138M5)
SPONGE
(138M1)
SPONGE
(138M7)

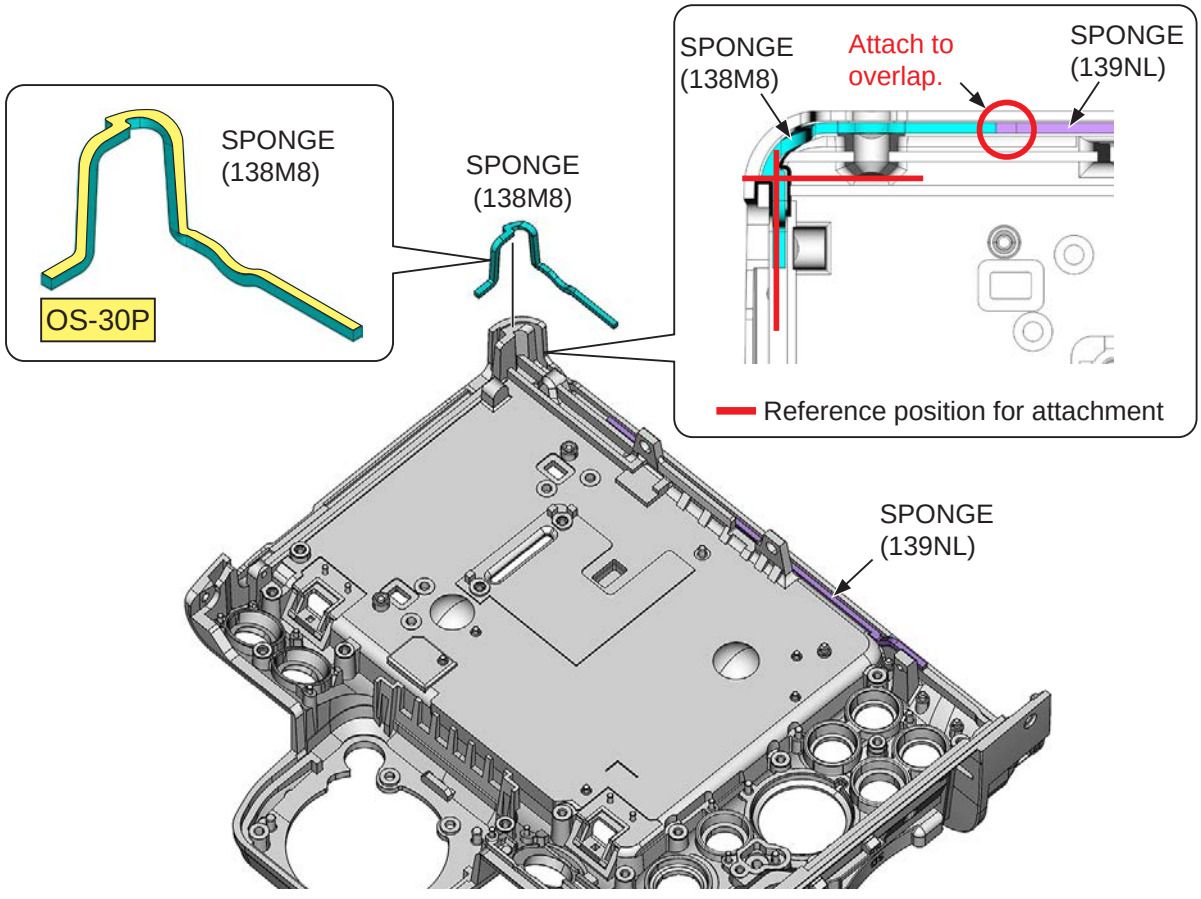

SPONGE
(138M8)
SPONGE
(138M3)
SPONGE
(139NL)

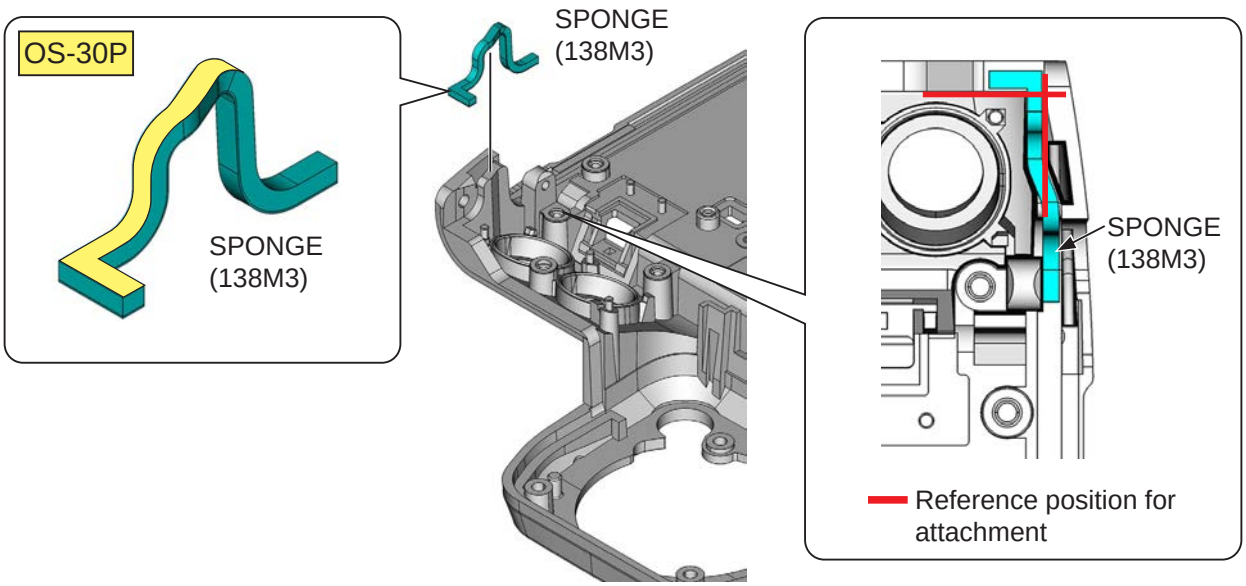
Assembly

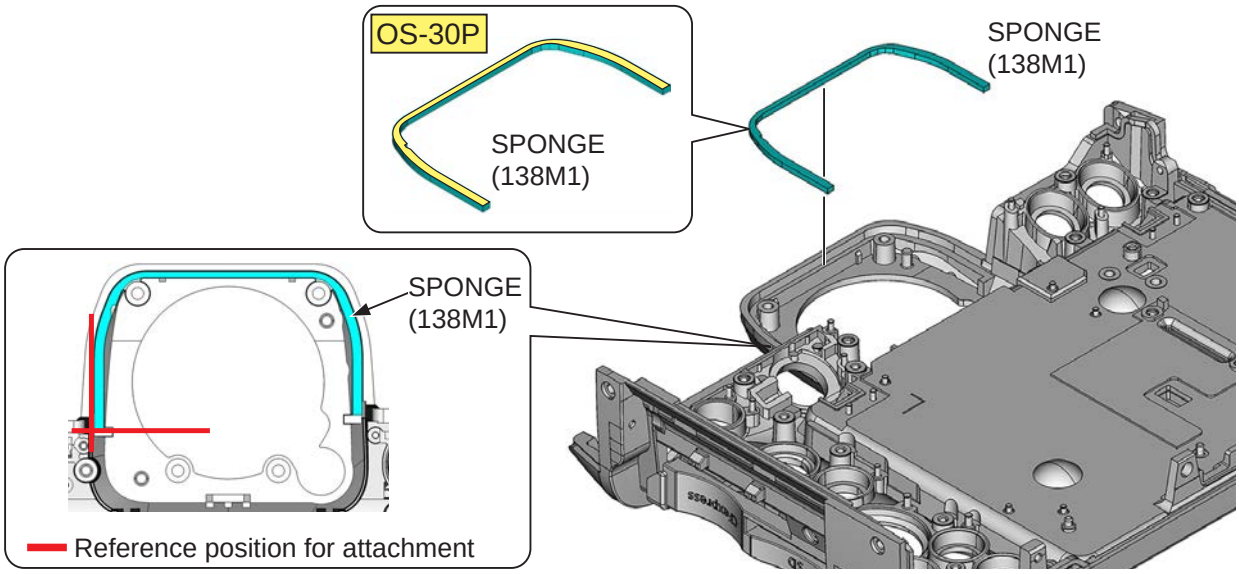
1. Rear cover

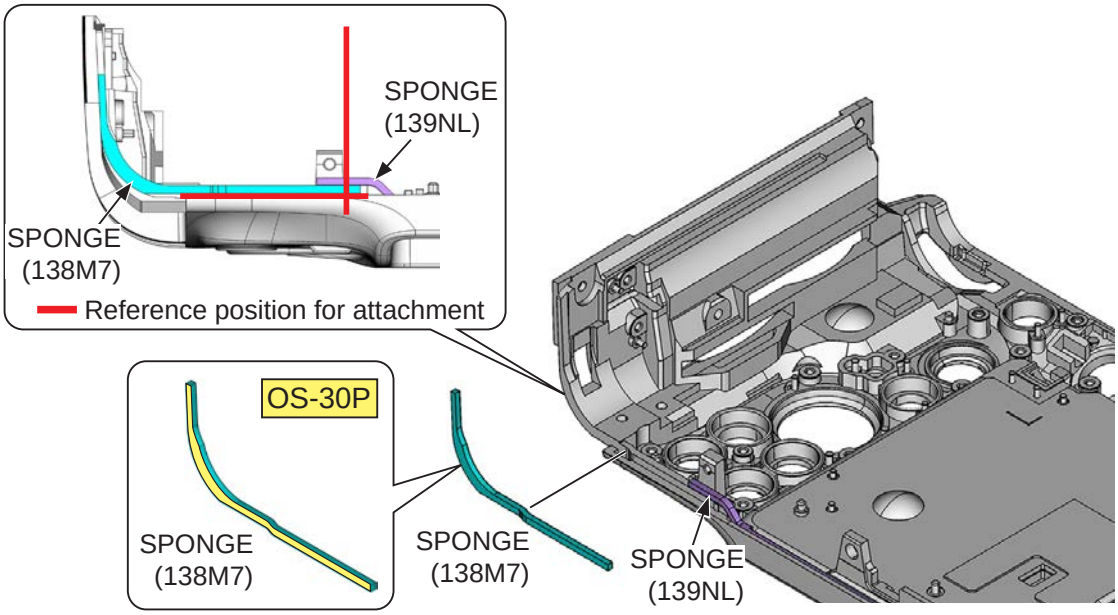
REAR COVER UNIT

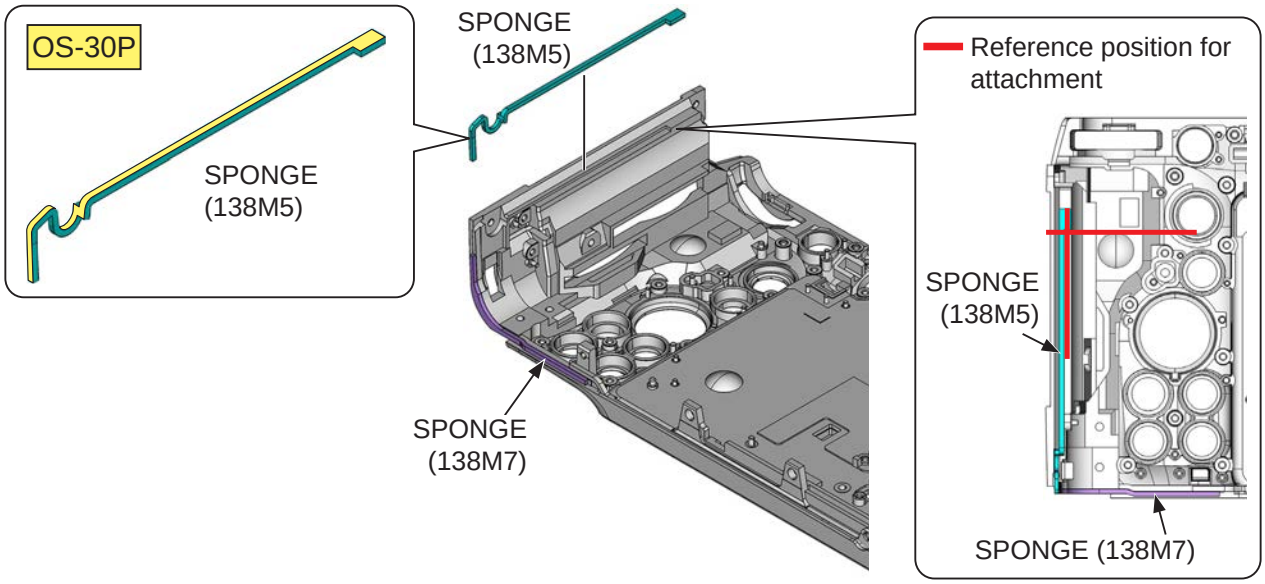


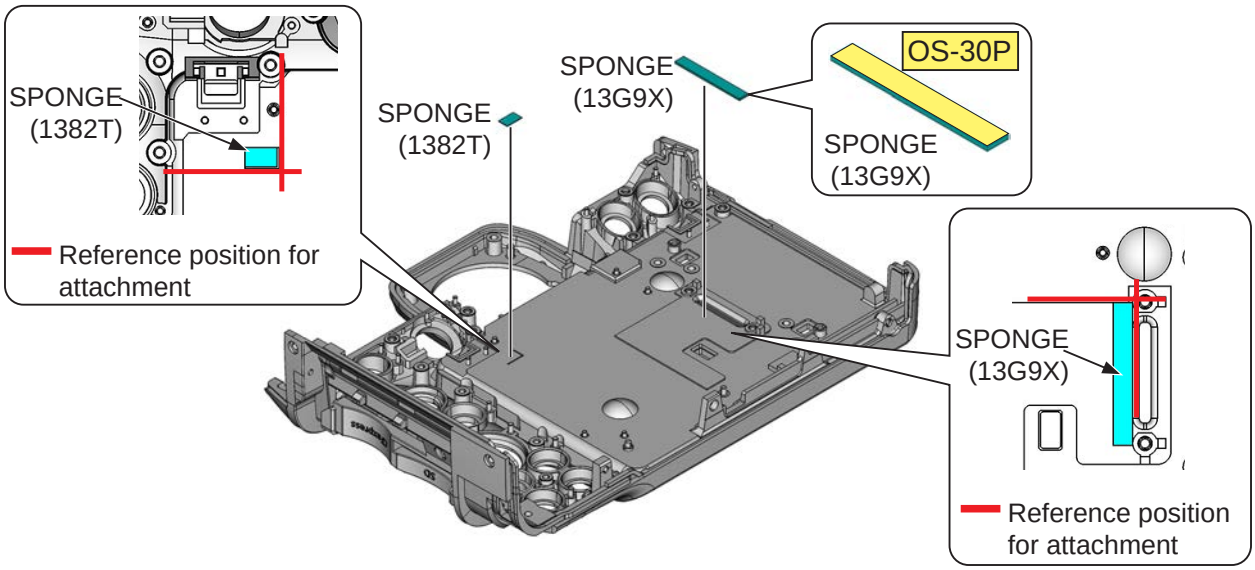


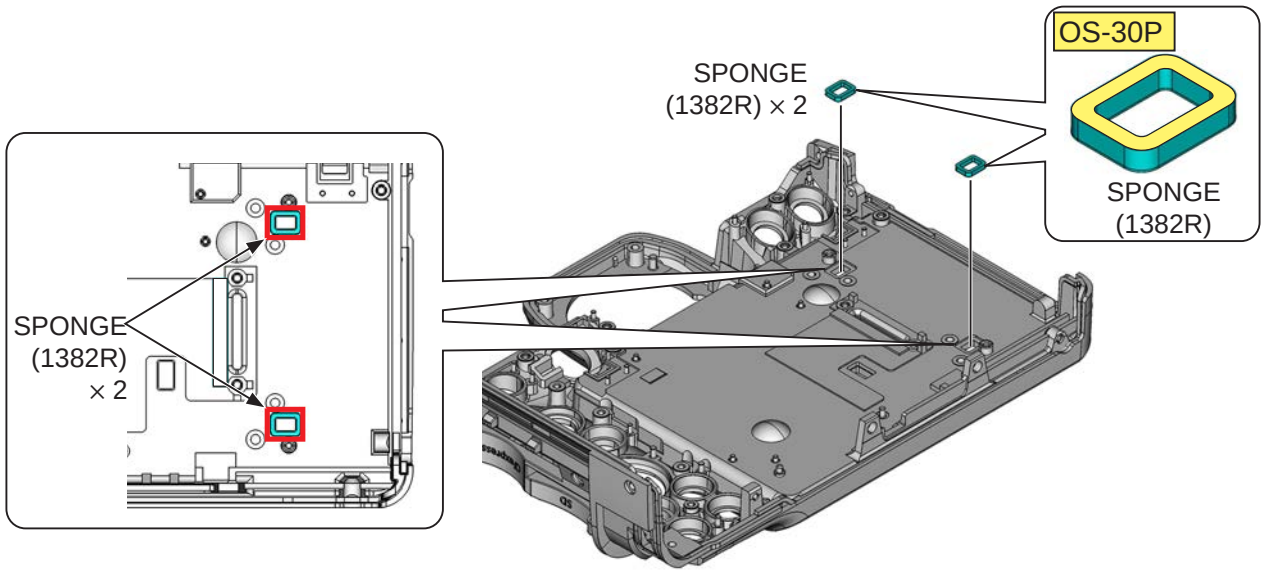

OS-30P
SPONGE
(138M3)
SPONGE
(138M3)
SPONGE
(138M3)
Reference position for attachment

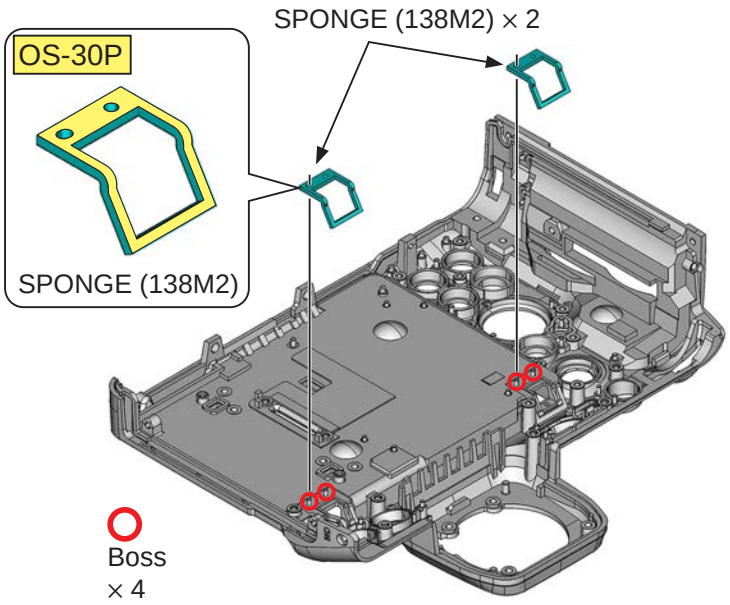

OS-30P
SPONGE
(138M1)
SPONGE
(138M1)
SPONGE
(138M1)
Reference position for attachment

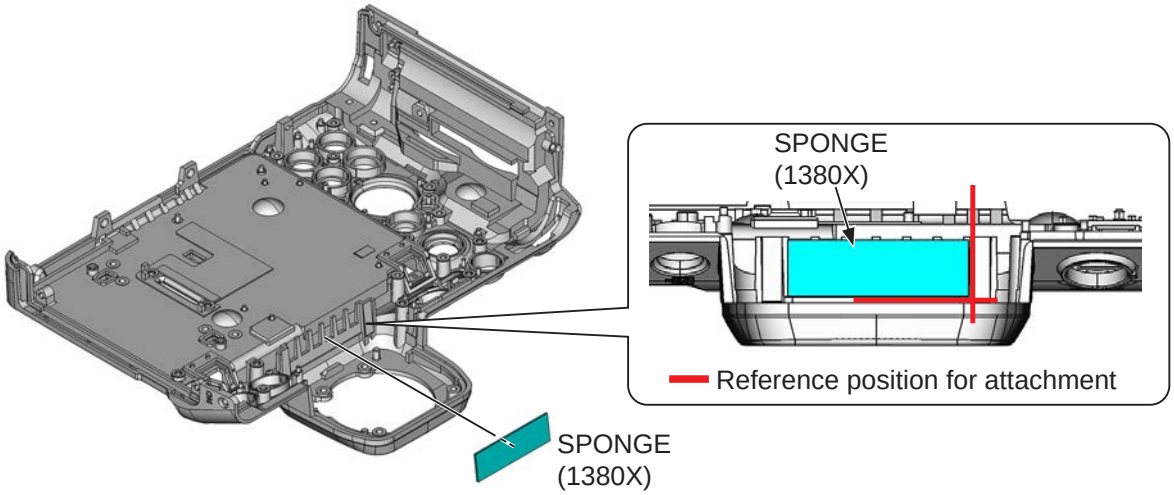

SPONGE
(139NL)
SPONGE
(138M7)
Reference position for attachment
OS-30P
SPONGE
(138M7)
SPONGE
(138M7)
SPONGE
(139NL)

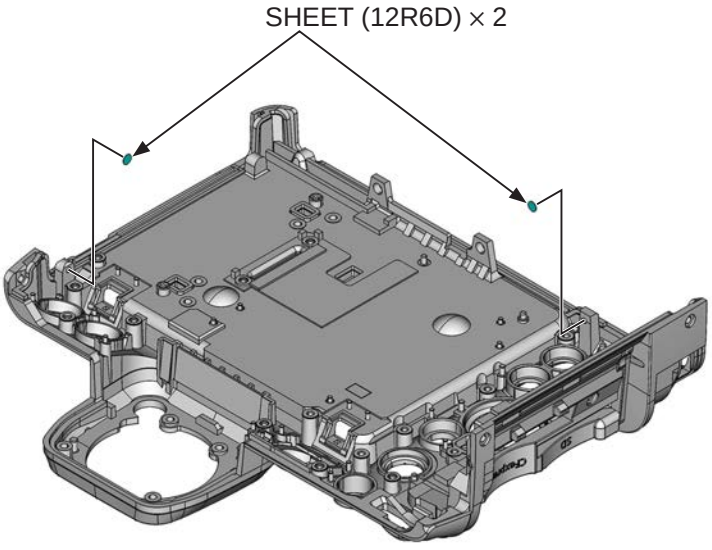

OS-30P
SPONGE
(138M5)
SPONGE
(138M5)
SPONGE
(138M7)
Reference position for
attachment
SPONGE
(138M5)
SPONGE (138M7)

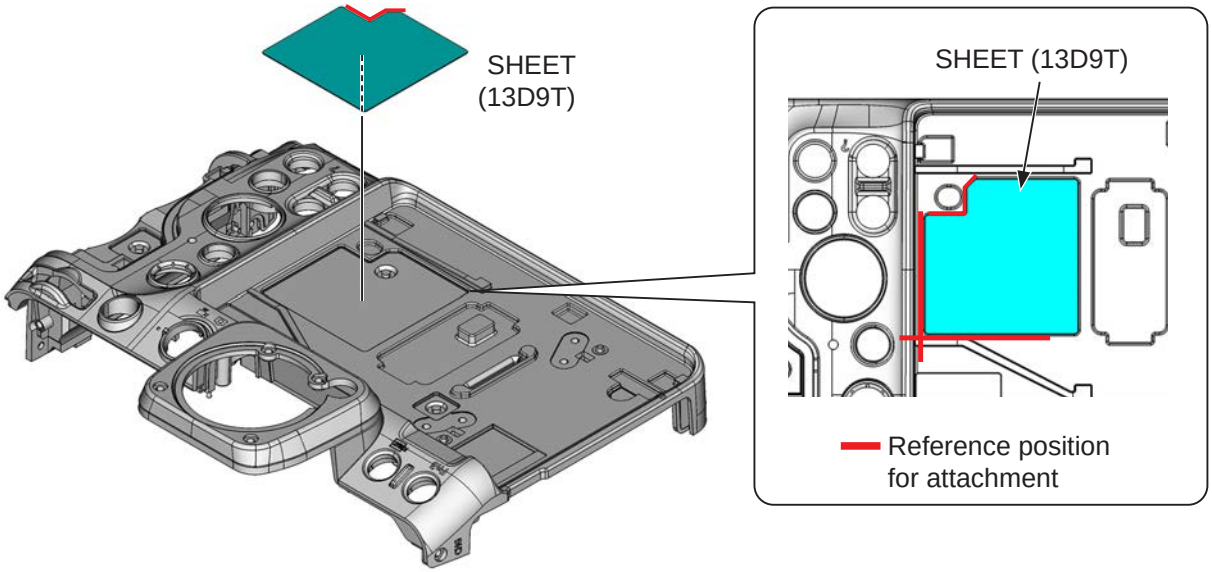

SPONGE
(1382T)
Reference position for
attachment
SPONGE
(1382T)
SPONGE
(13G9X)
OS-30P
SPONGE
(13G9X)
SPONGE
(13G9X)
Reference position
for attachment

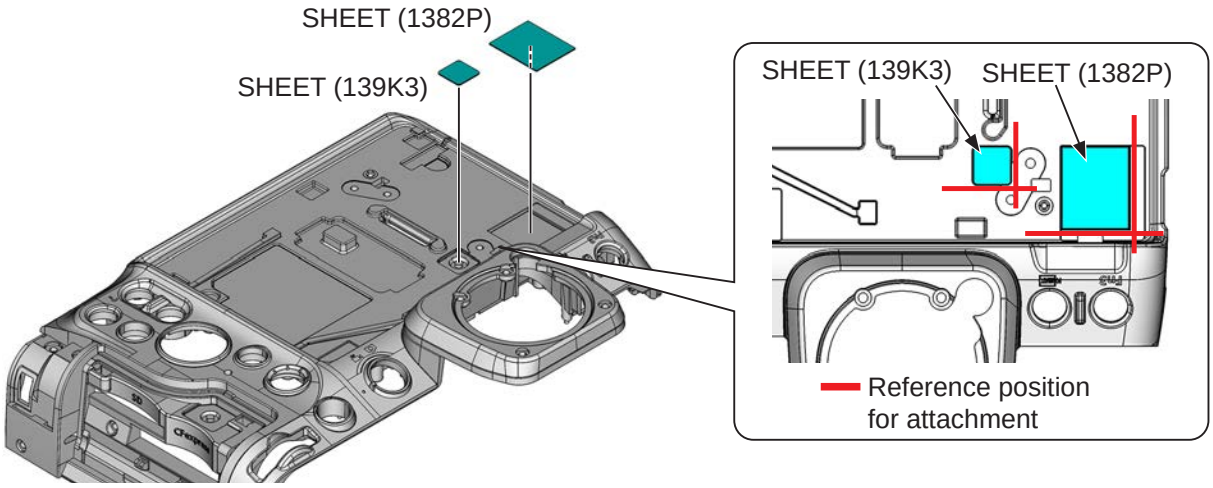

SPONGE
(1382R)
× 2
SPONGE
(1382R) × 2
OS-30P
SPONGE
(1382R)

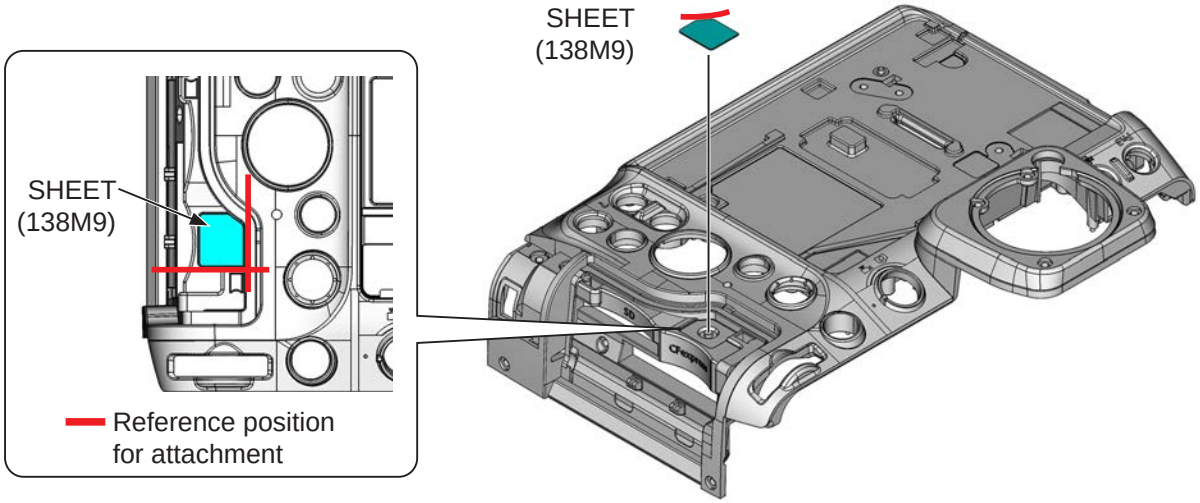

SPONGE (138M2) × 2
OS-30P
SPONGE (138M2)
Boss
× 4

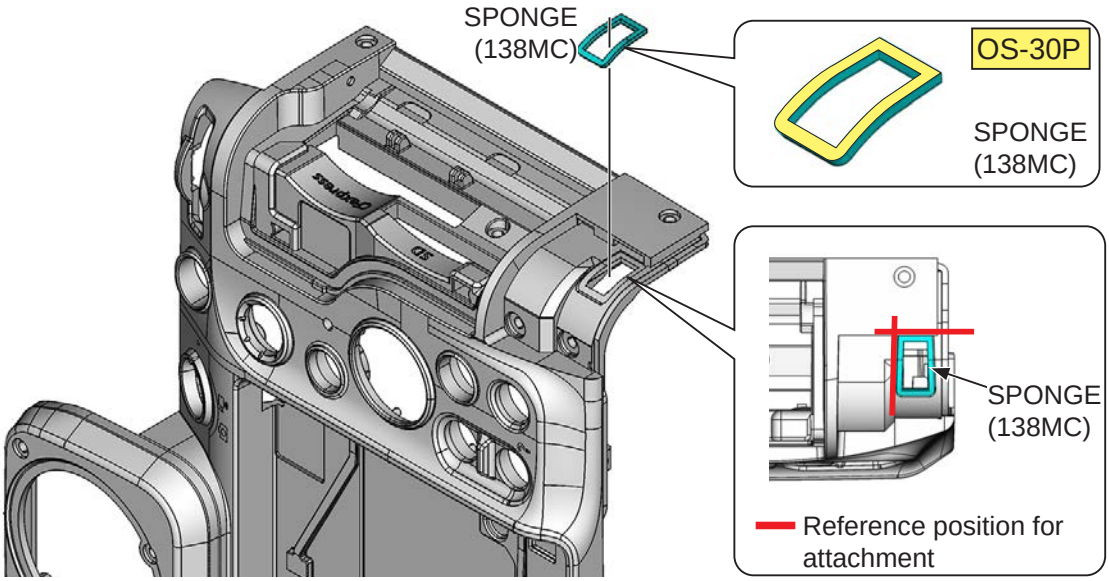

SPONGE
(1380X)
Reference position for attachment
SPONGE
(1380X)

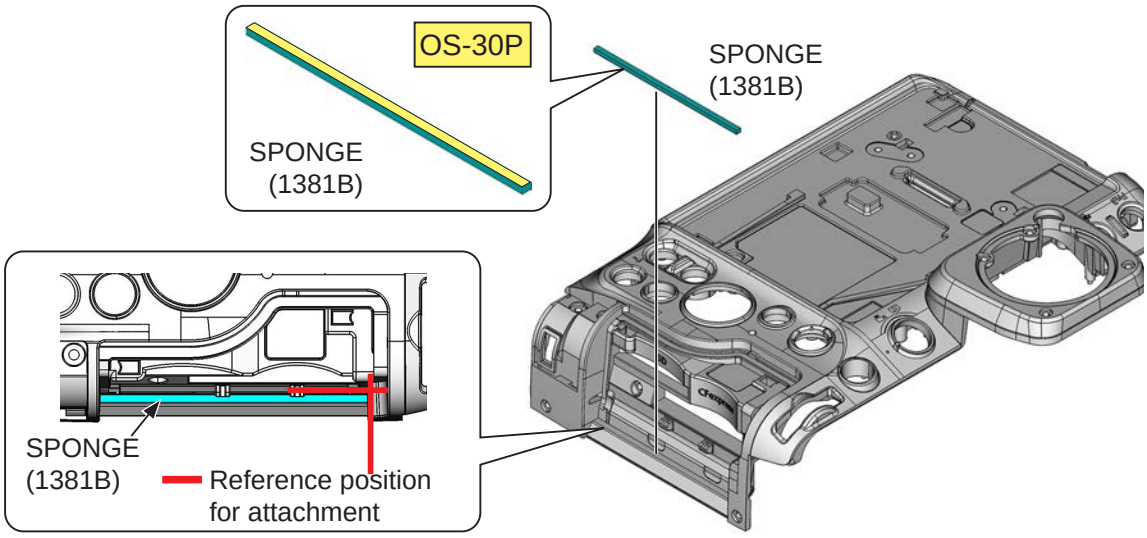

SHEET (12R6D) × 2

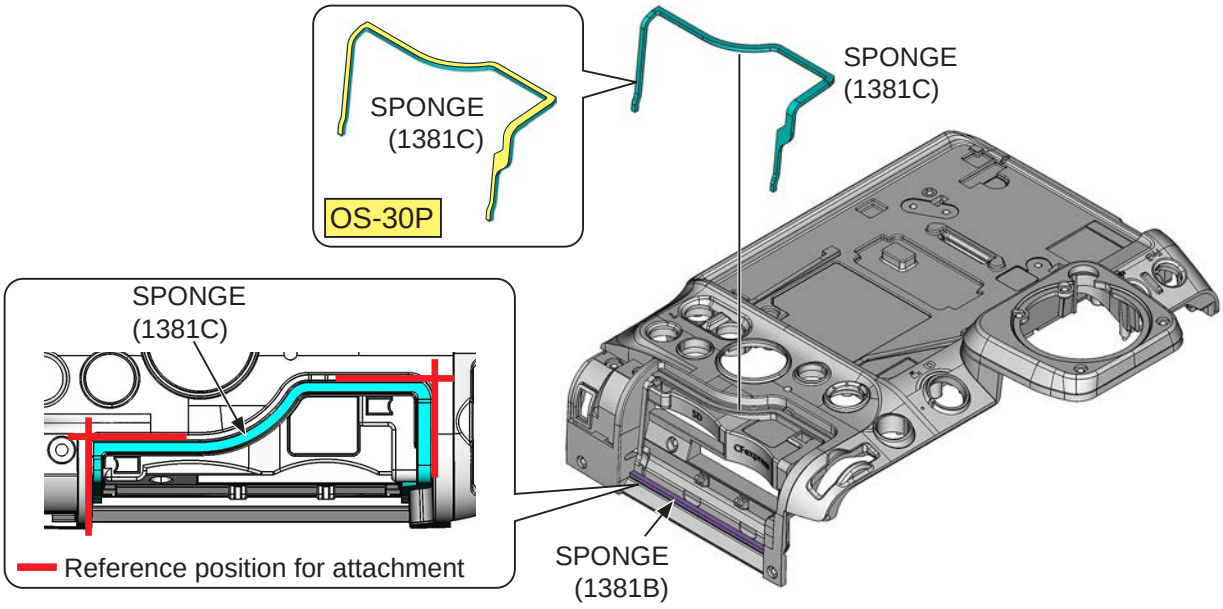

SHEET
(13D9T)
SHEET (13D9T)
Reference position
for attachment

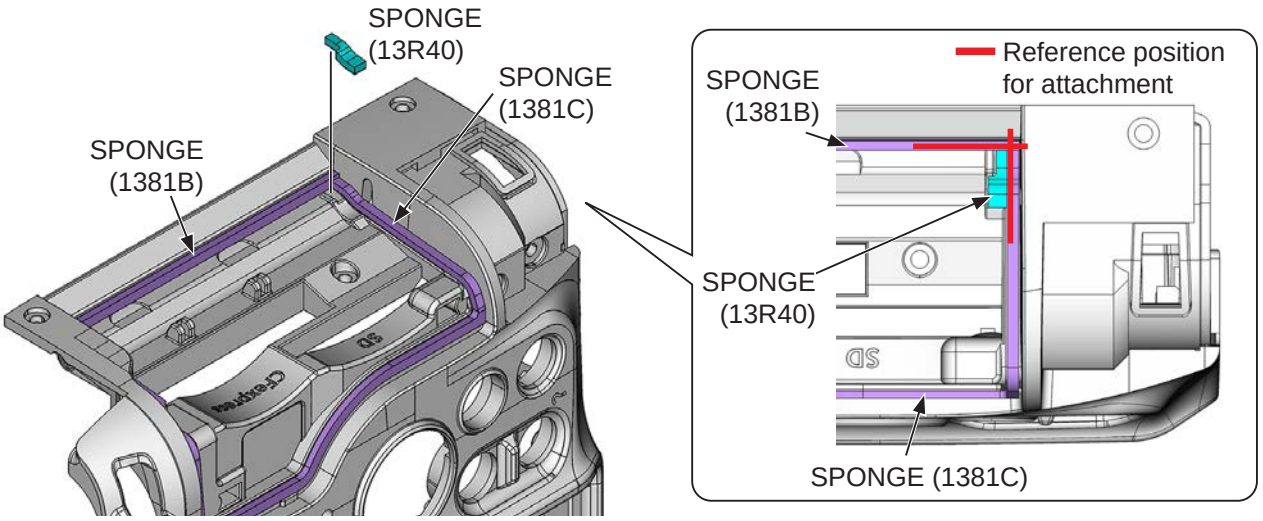

SHEET (1382P)
SHEET (139K3)
SHEET (139K3)
SHEET (1382P)
Reference position
for attachment

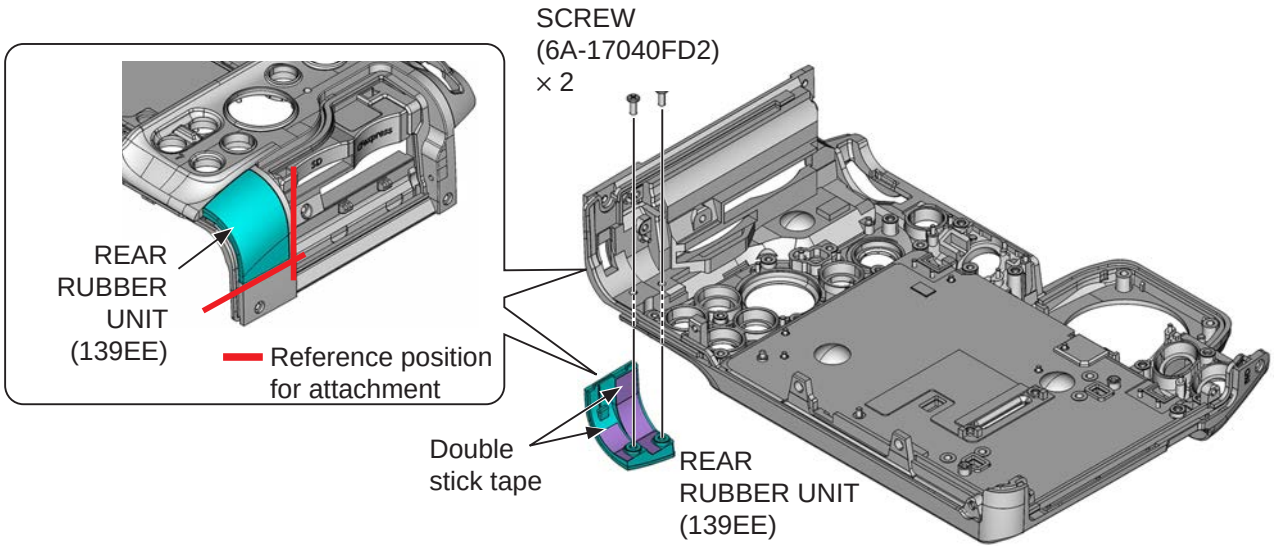

SHEET
(138M9)
SHEET
(138M9)
Reference position
for attachment

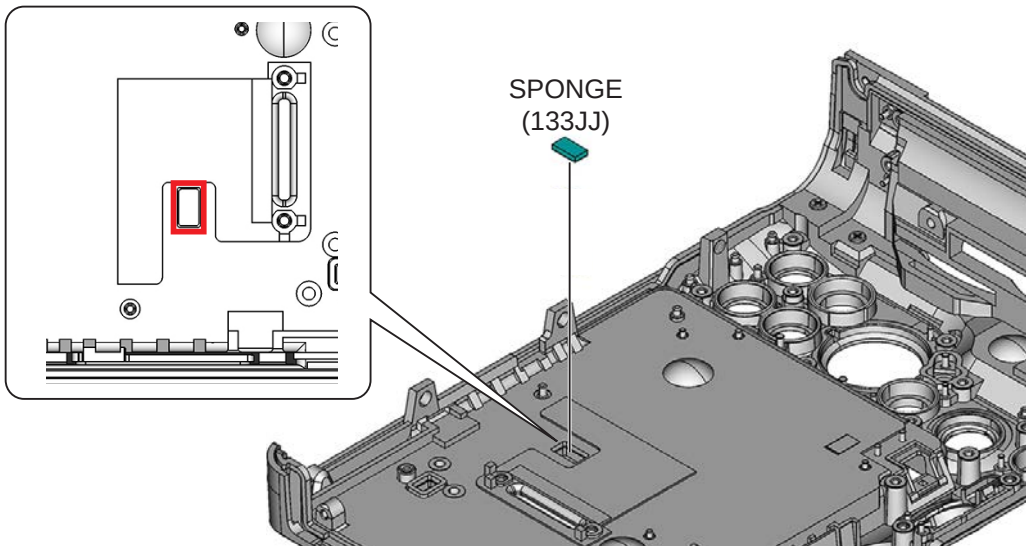

SPONGE
(138MC)
OS-30P
SPONGE
(138MC)
SPONGE
(138MC)
Reference position for
attachment


OS-30P
SPONGE
(1381B)
SPONGE
(1381B)
SPONGE
(1381B)
Reference position
for attachment


SPONGE
(1381C)
SPONGE
(1381C)
OS-30P
SPONGE
(1381C)
Reference position for attachment
SPONGE
(1381B)

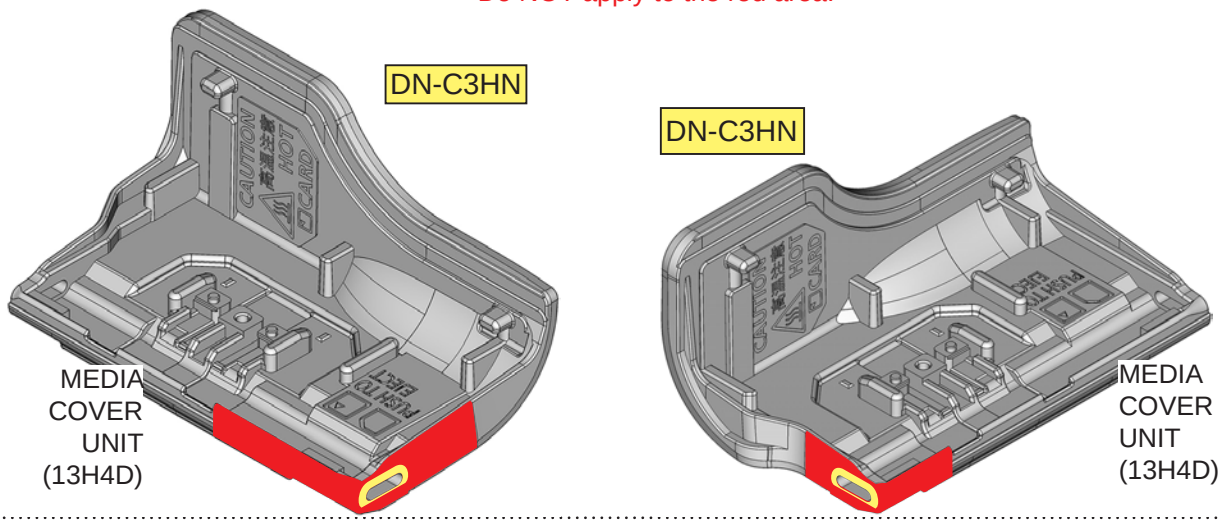

SPONGE
(13R40)
SPONGE
(1381C)
SPONGE
(1381B)
Reference position
for attachment
SPONGE
(1381B)
SPONGE
(13R40)
SPONGE (1381C)

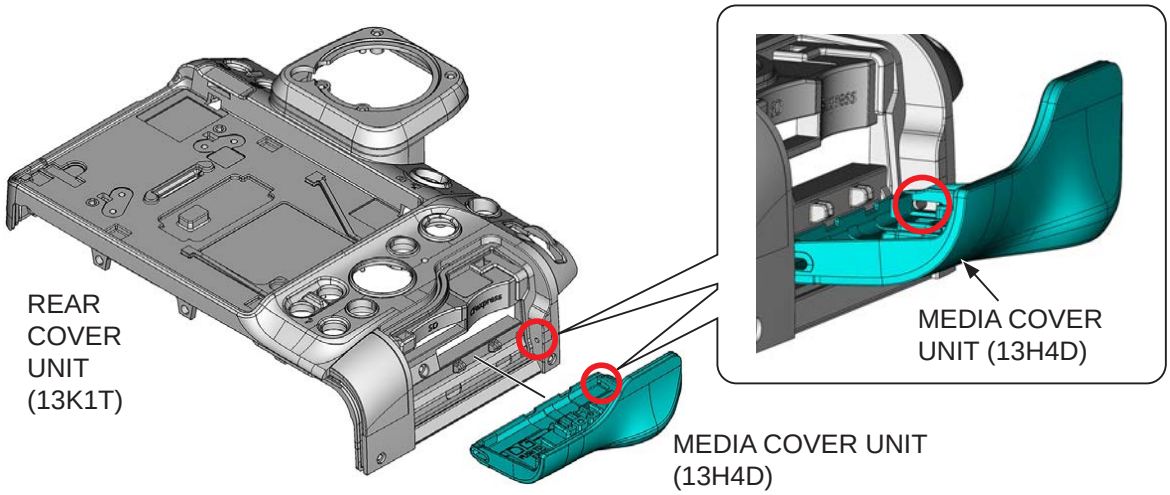

SCREW
(6A-17040FD2)
× 2
REAR
RUBBER
UNIT
(139EE)
Reference position
for attachment
Double
stick tape
REAR
RUBBER UNIT
(139EE)

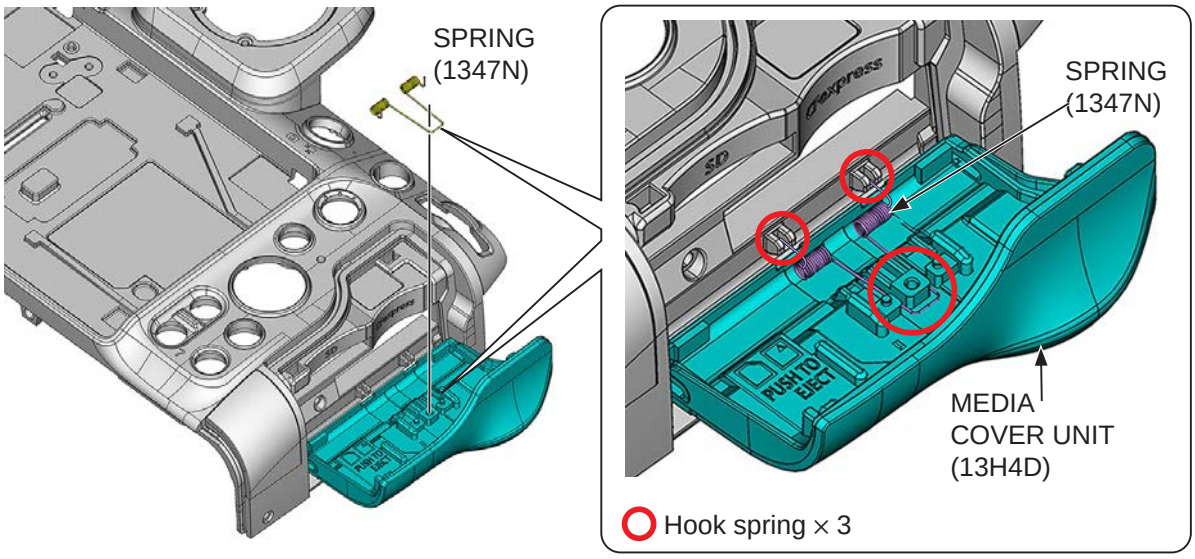

SPONGE
(133JJ)

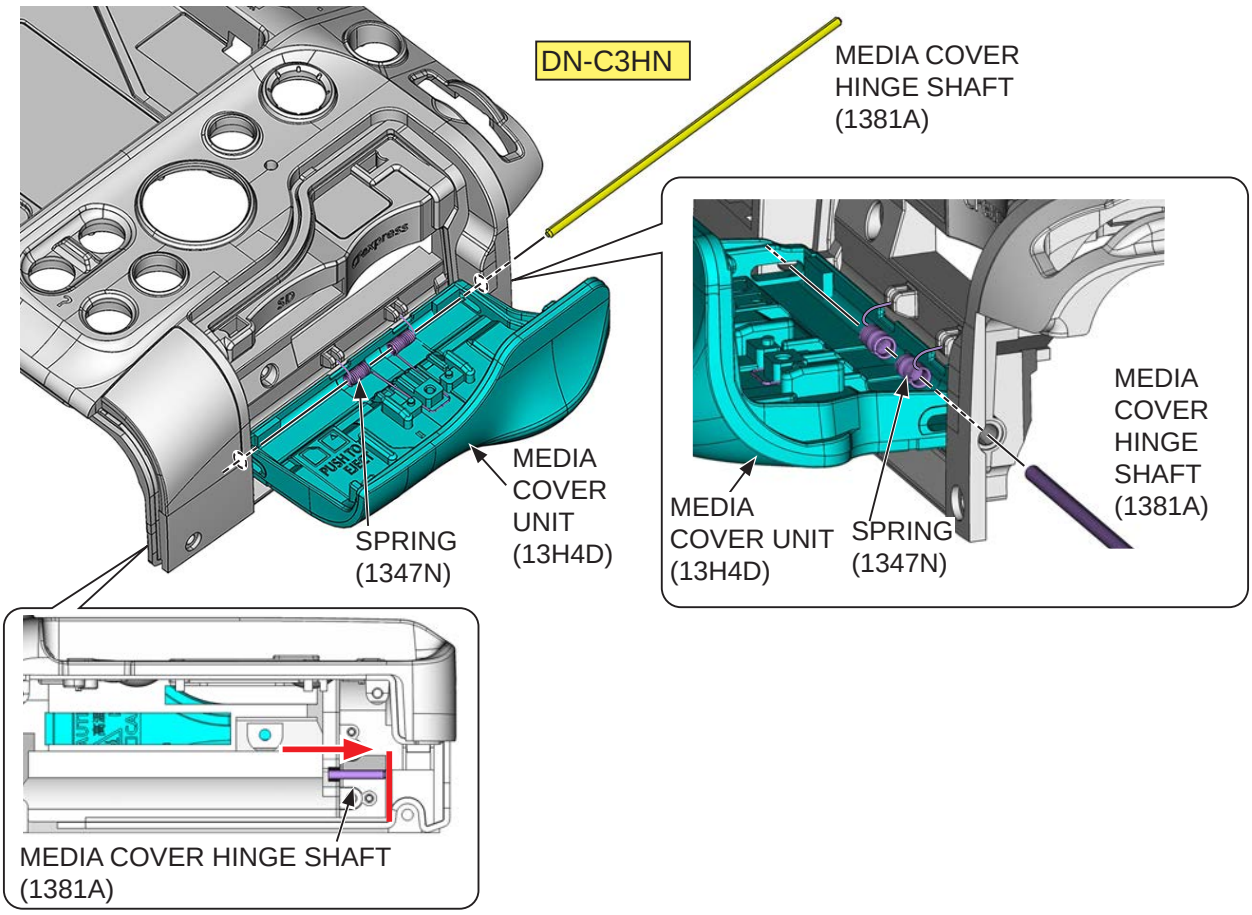
MEDIA COVER UNIT

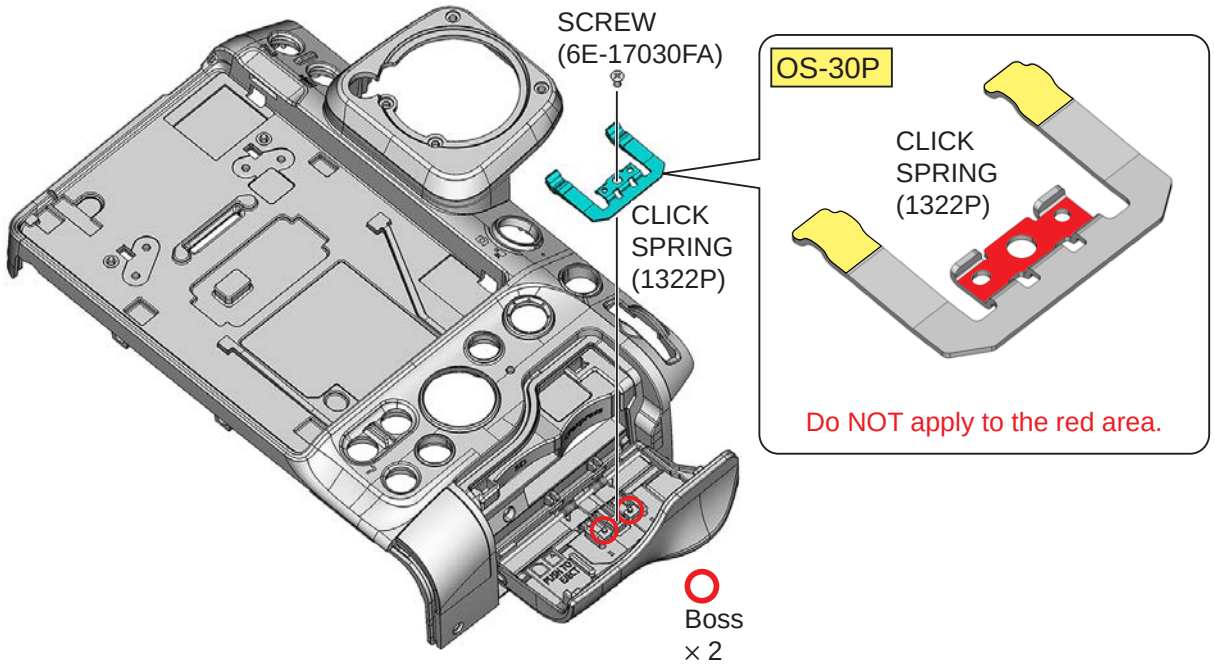
Do NOT apply to the red area.

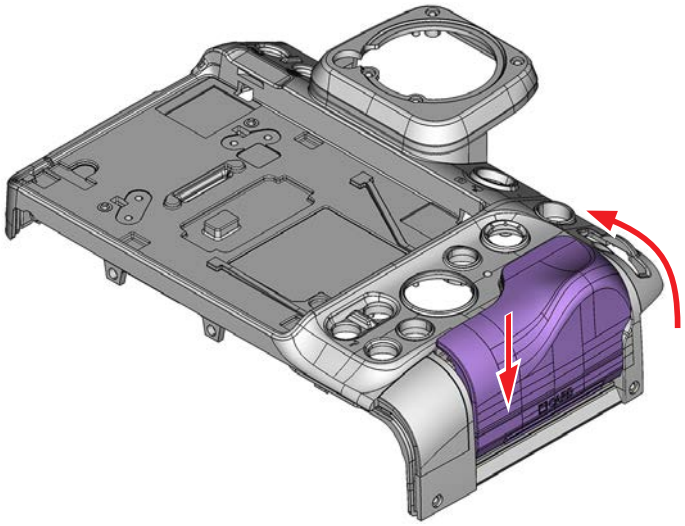


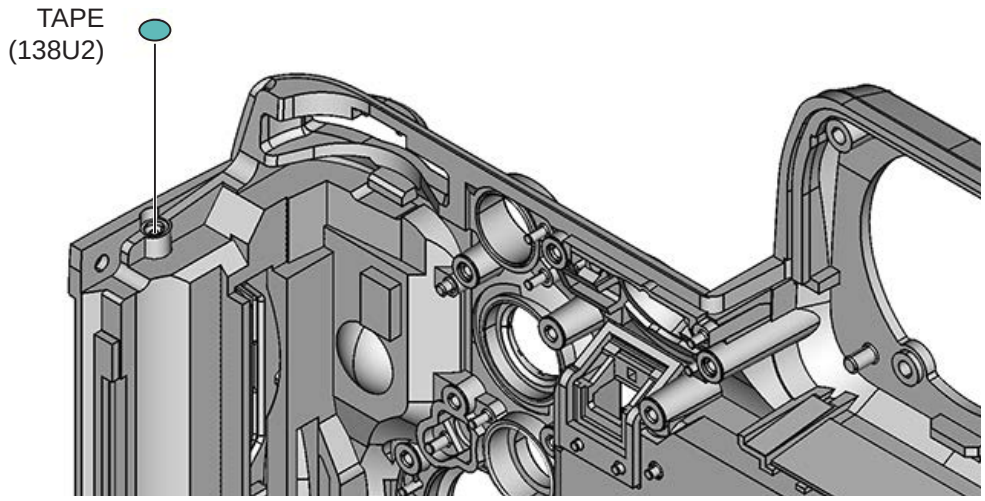


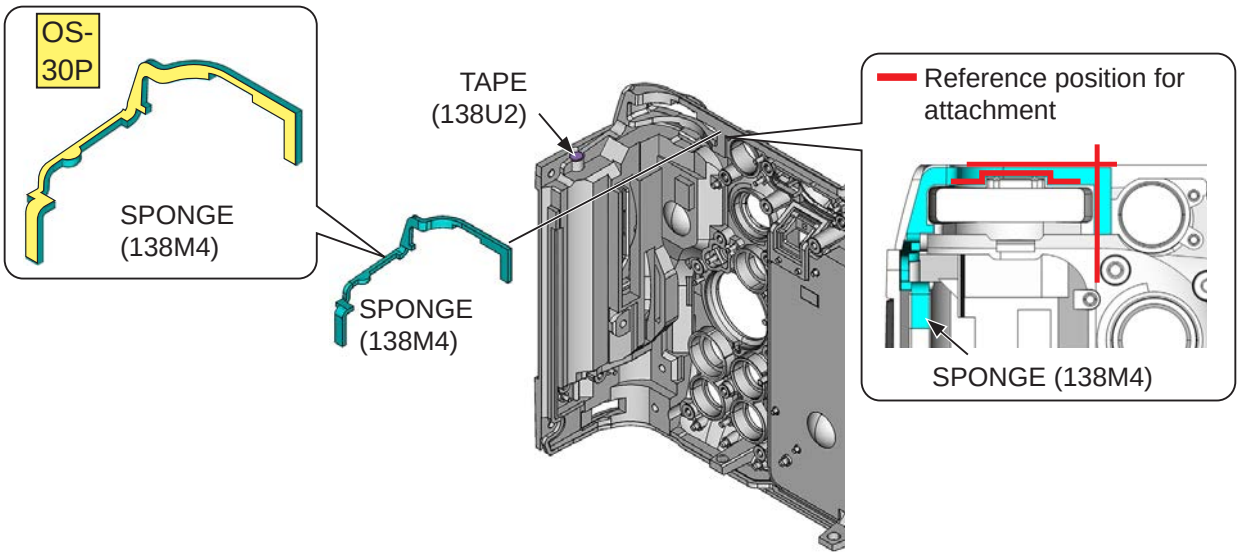


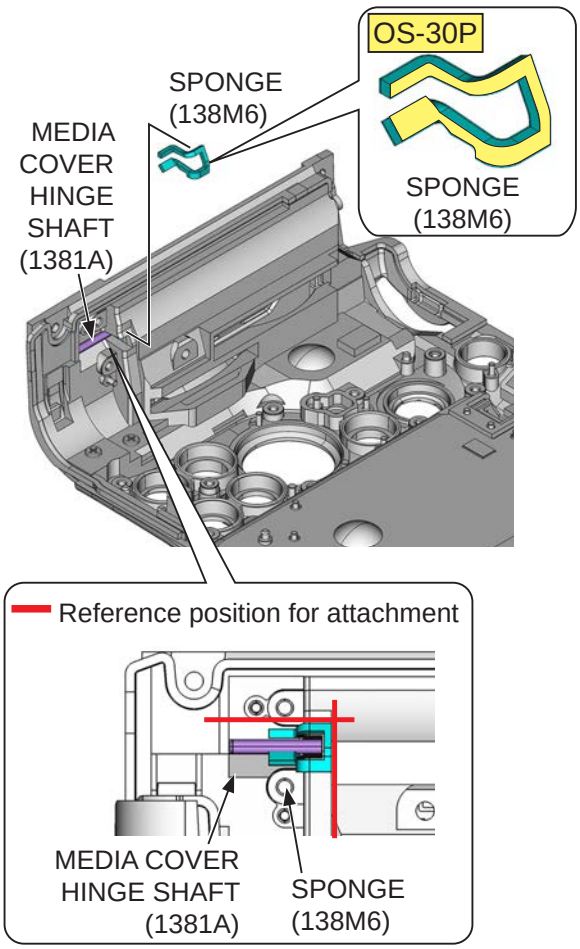

DN-C3HN
MEDIA COVER HINGE SHAFT (1381A)
MEDIA COVER UNIT (13H4D)
SPRING (1347N)
MEDIA COVER HINGE SHAFT (1381A)
MEDIA COVER UNIT (13H4D)
SPRING (1347N)
MEDIA COVER HINGE SHAFT (1381A)

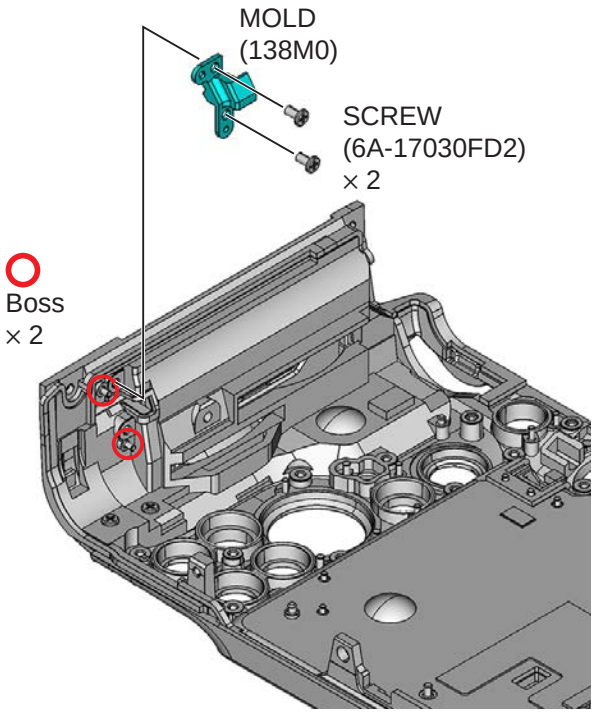

SCREW (6E-17030FA)
CLICK SPRING (1322P)
Boss × 2
OS-30P
CLICK SPRING (1322P)
Do NOT apply to the red area.



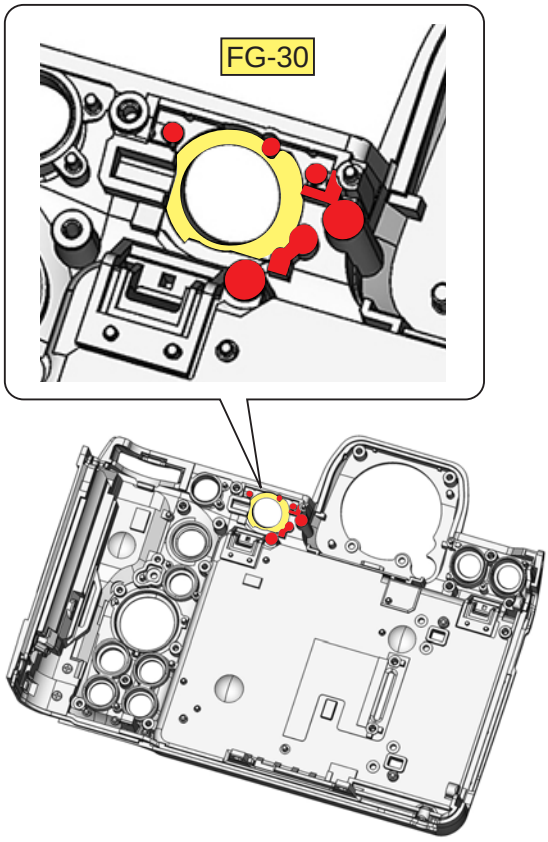

TAPE
(138U2)

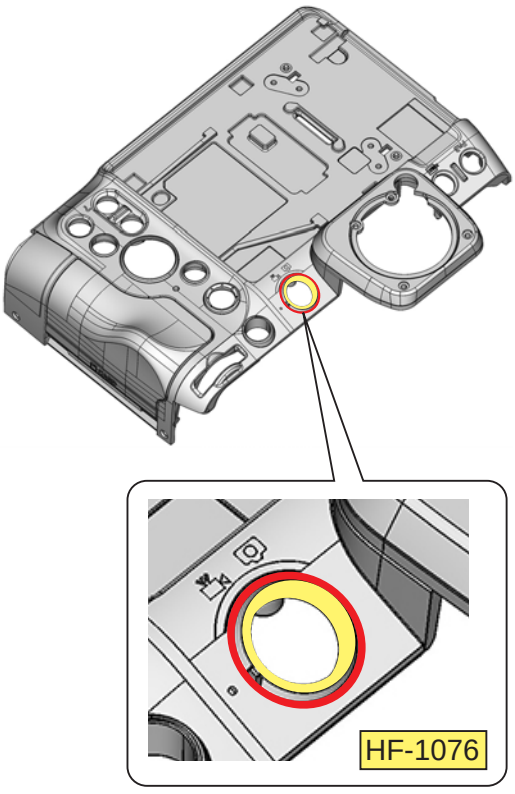

OS-
30P
SPONGE
(138M4)
TAPE
(138U2)
SPONGE
(138M4)
Reference position for
attachment
SPONGE (138M4)

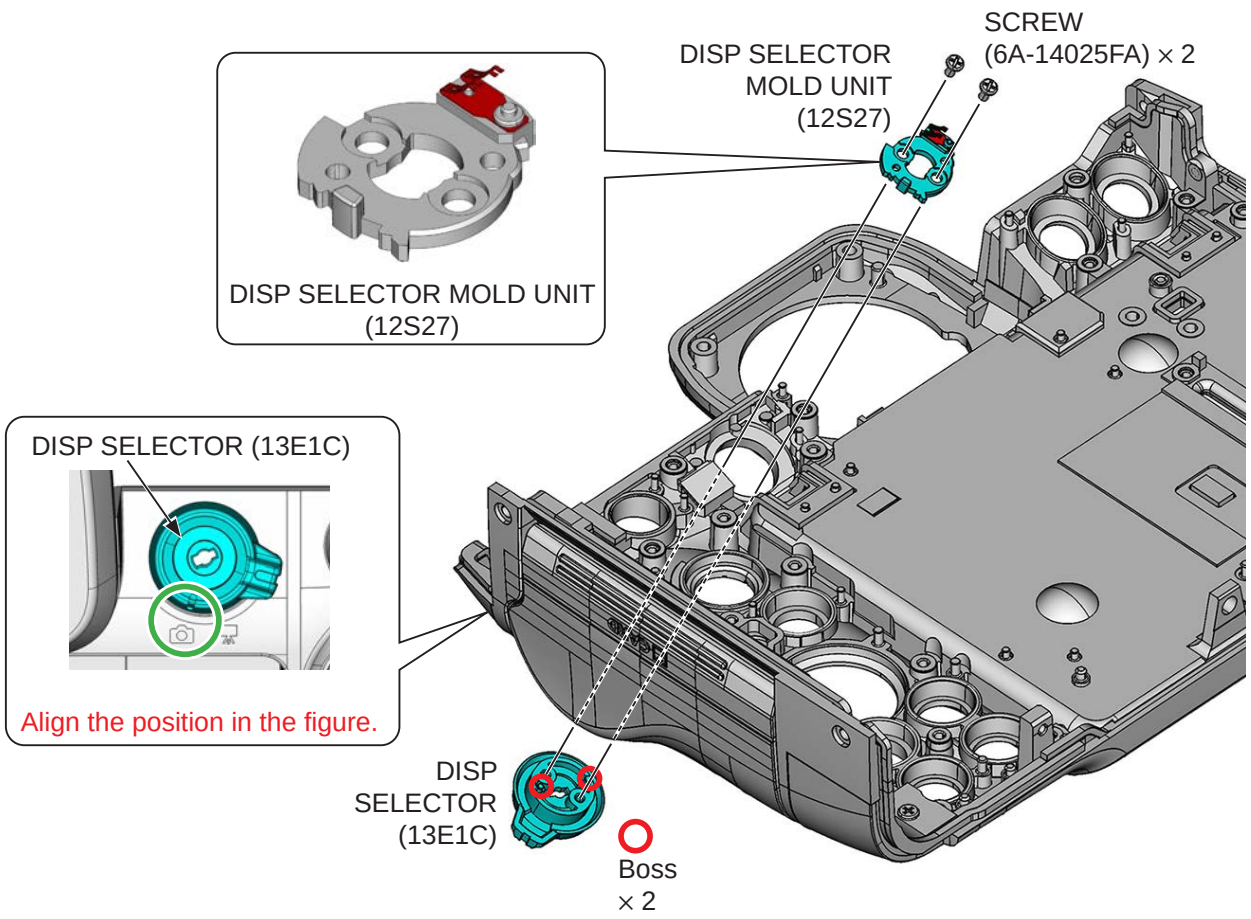


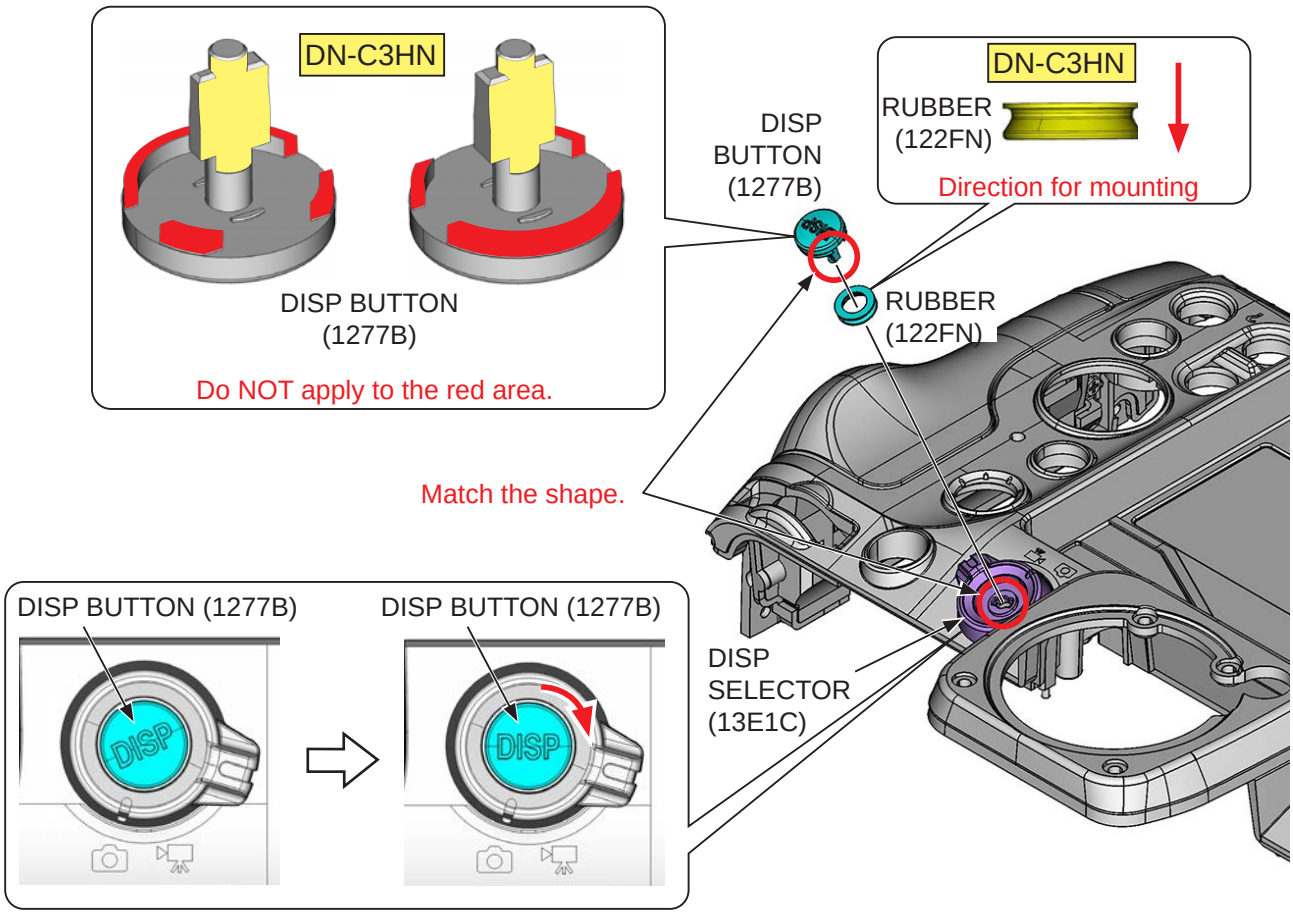


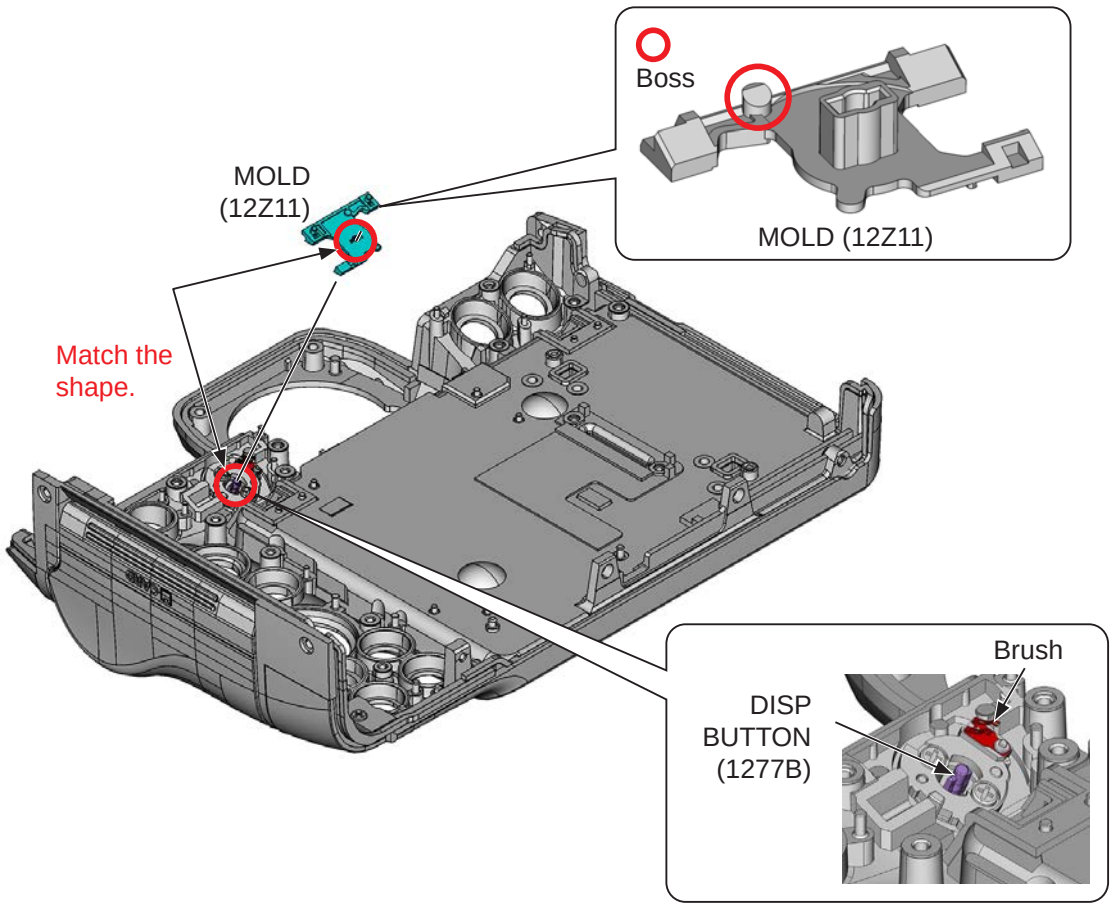
Do NOT apply to the red area.

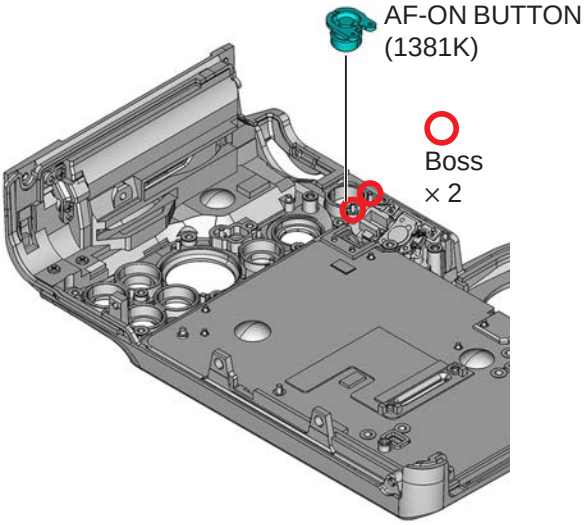


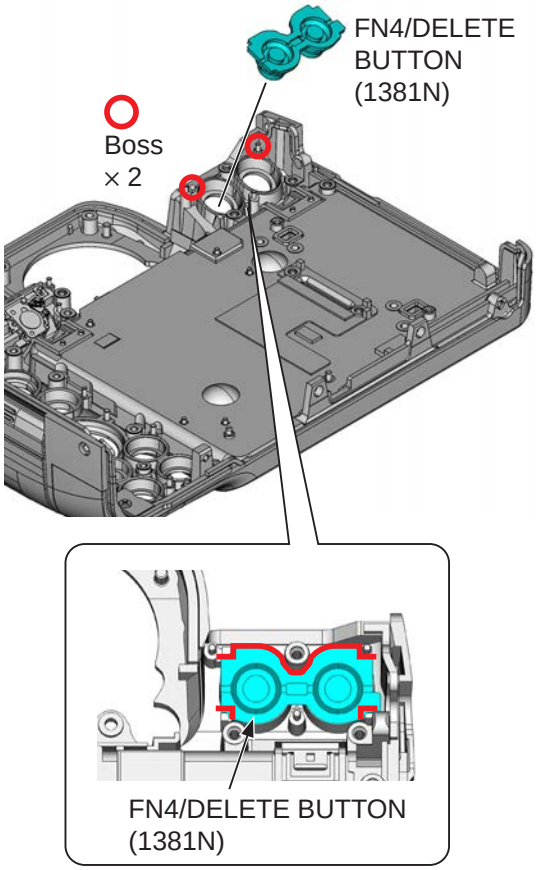


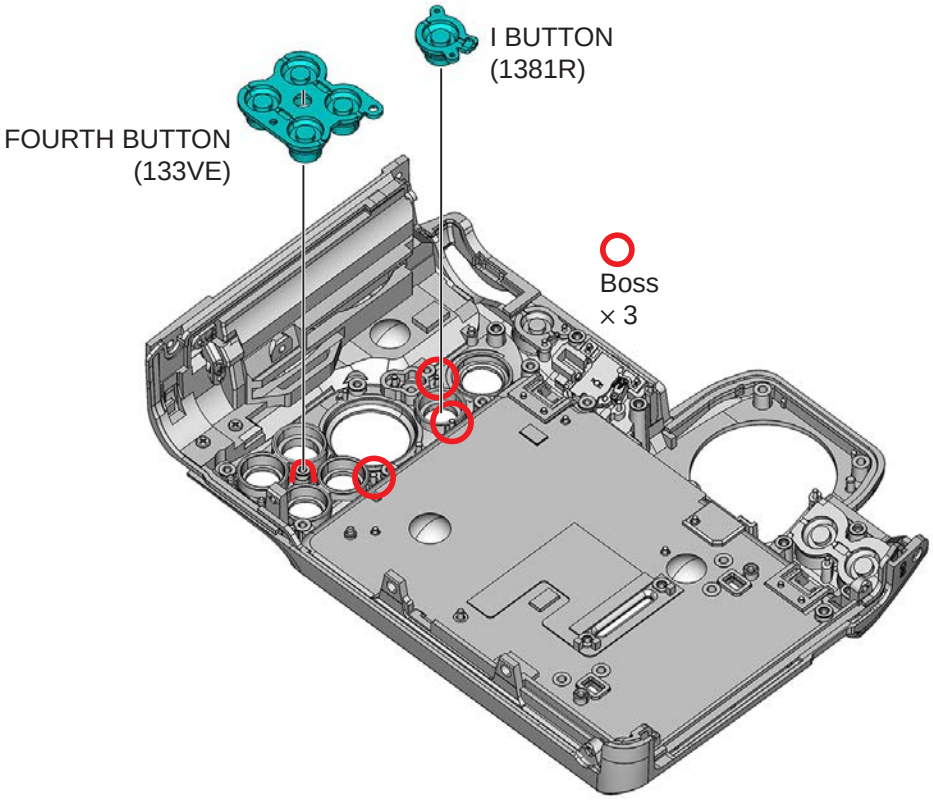

SCREW
(6A-14025FA) × 2
DISP SELECTOR
MOLD UNIT
(12S27)
DISP SELECTOR MOLD UNIT
(12S27)
DISP SELECTOR (13E1C)
Align the position in the figure.
DISP
SELECTOR
(13E1C)
Boss
× 2

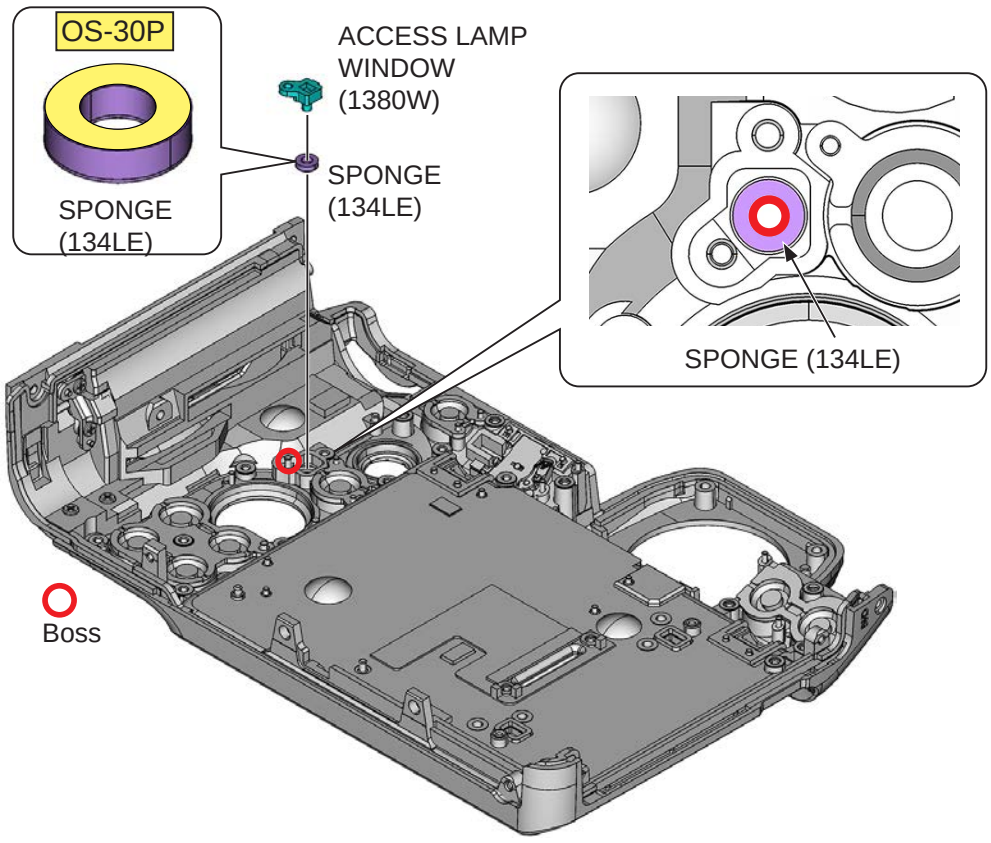

DN-C3HN
DISP BUTTON
(1277B)
Do NOT apply to the red area.
DN-C3HN
RUBBER
(122FN)
Direction for mounting
DISP
BUTTON
(1277B)
RUBBER
(122FN)
Match the shape.
DISP BUTTON (1277B)
DISP BUTTON (1277B)
DISP
DISP
DISP
SELECTOR
(13E1C)

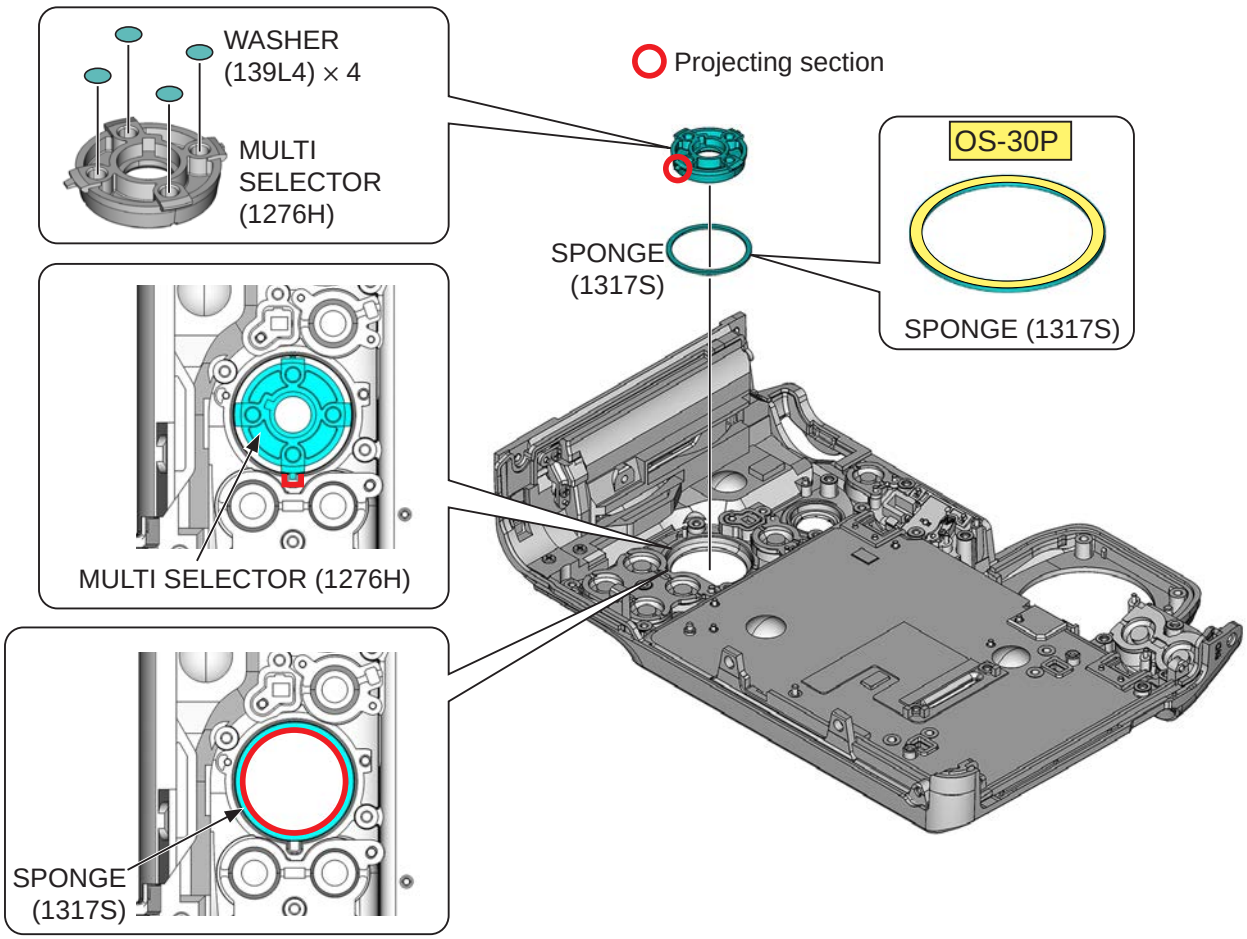

Boss
MOLD (12Z11)
MOLD
(12Z11)
Match the
shape.
Brush
DISP
BUTTON
(1277B)

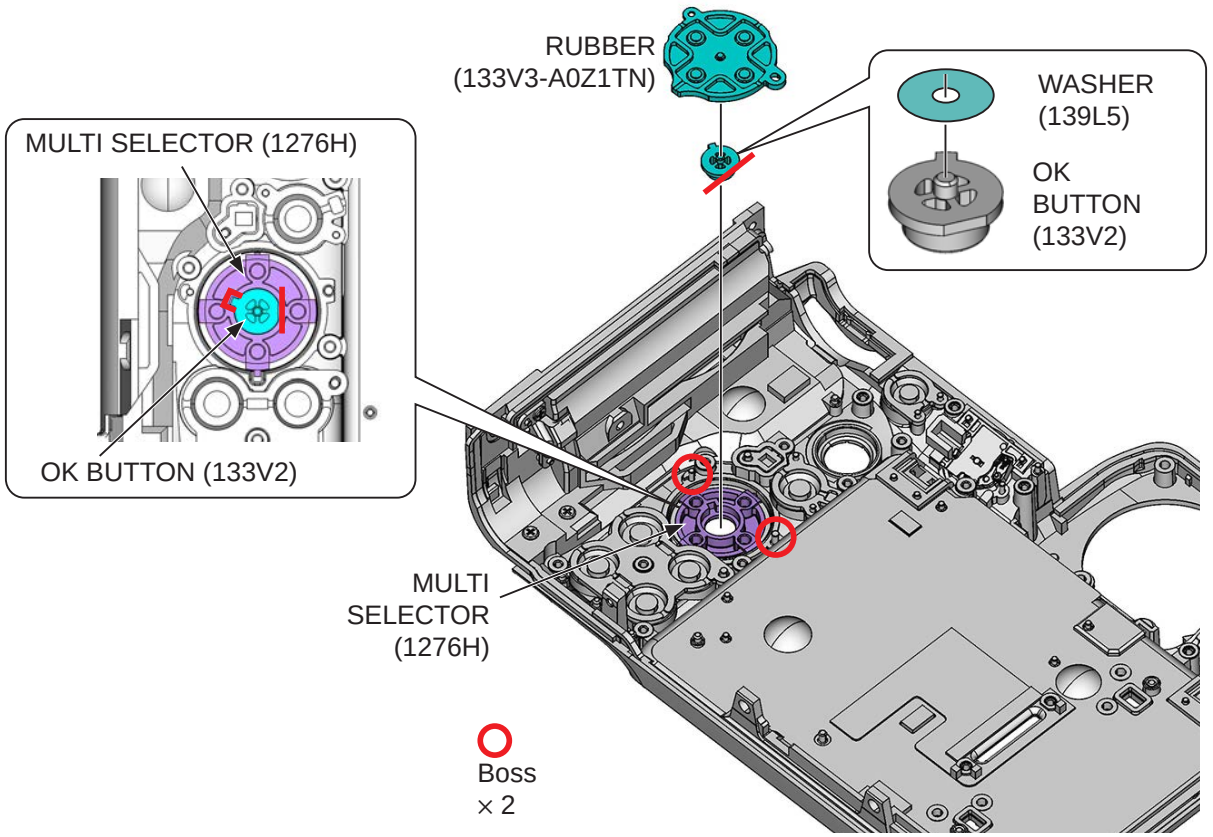

AF-ON BUTTON
(1381K)
Boss
× 2

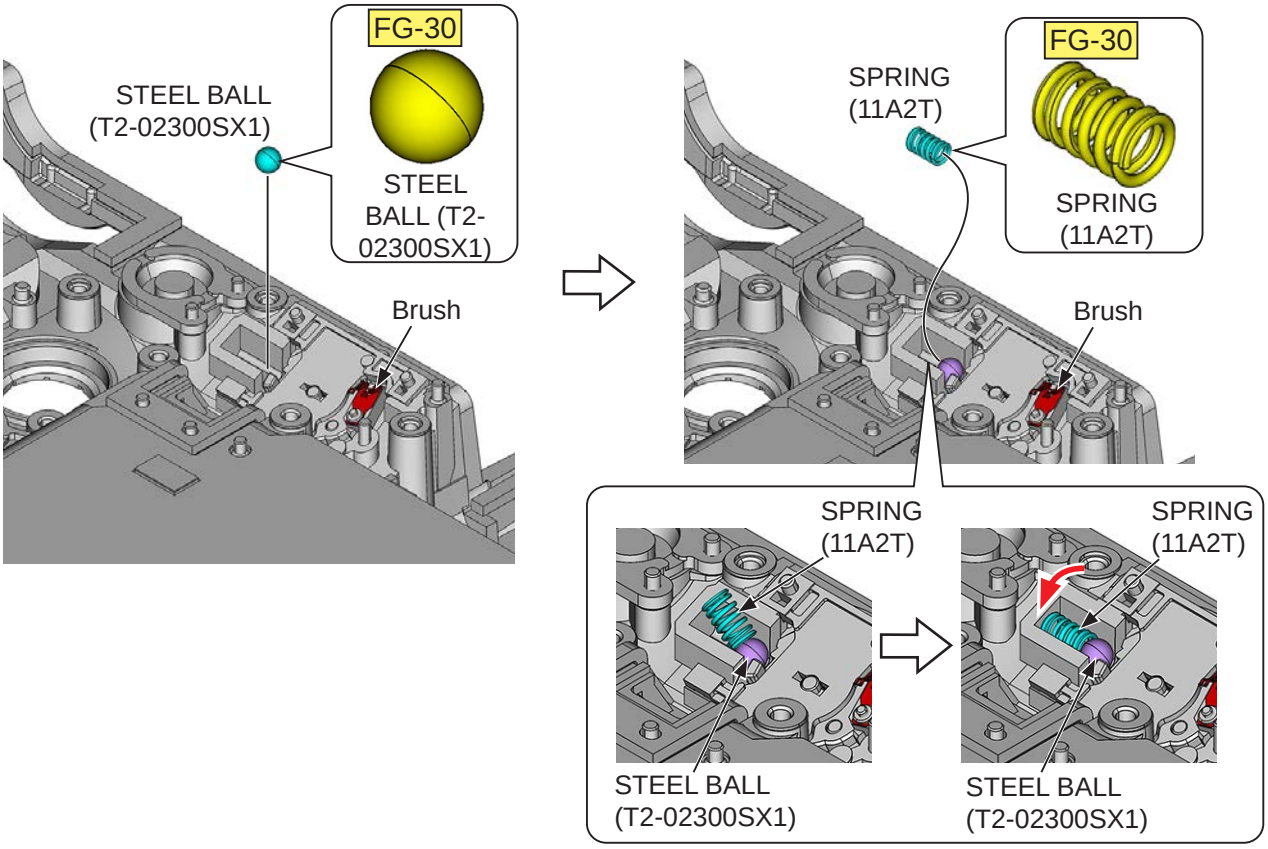

FN4/DELETE
BUTTON
(1381N)
Boss
× 2
FN4/DELETE BUTTON
(1381N)


I BUTTON
(1381R)
FOURTH BUTTON
(133VE)
Boss
× 3

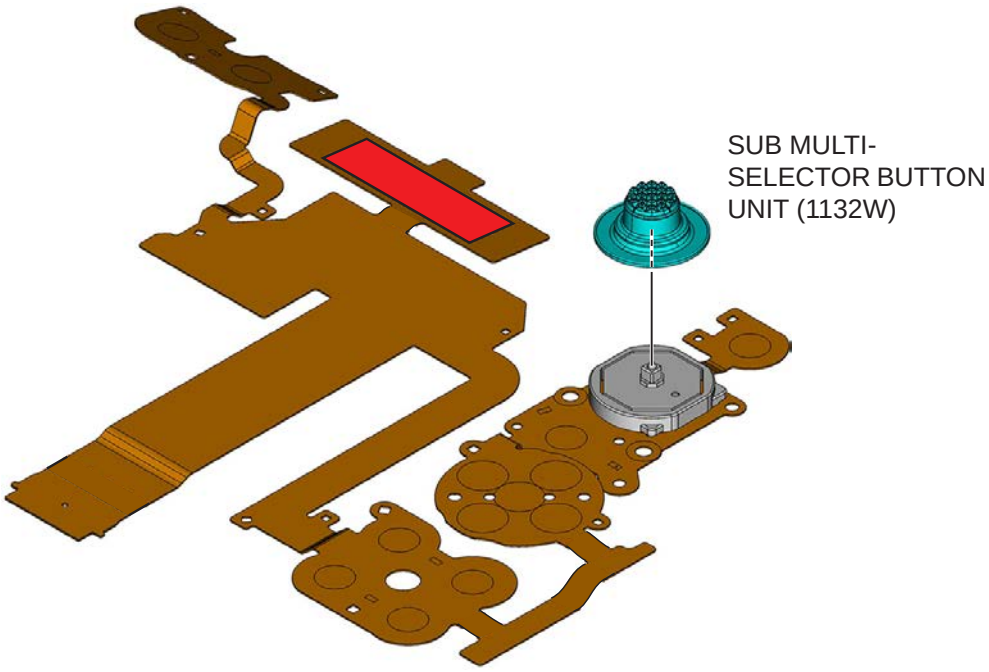

OS-30P
ACCESS LAMP
WINDOW
(1380W)
SPONGE
(134LE)
SPONGE
(134LE)
SPONGE (134LE)
Boss

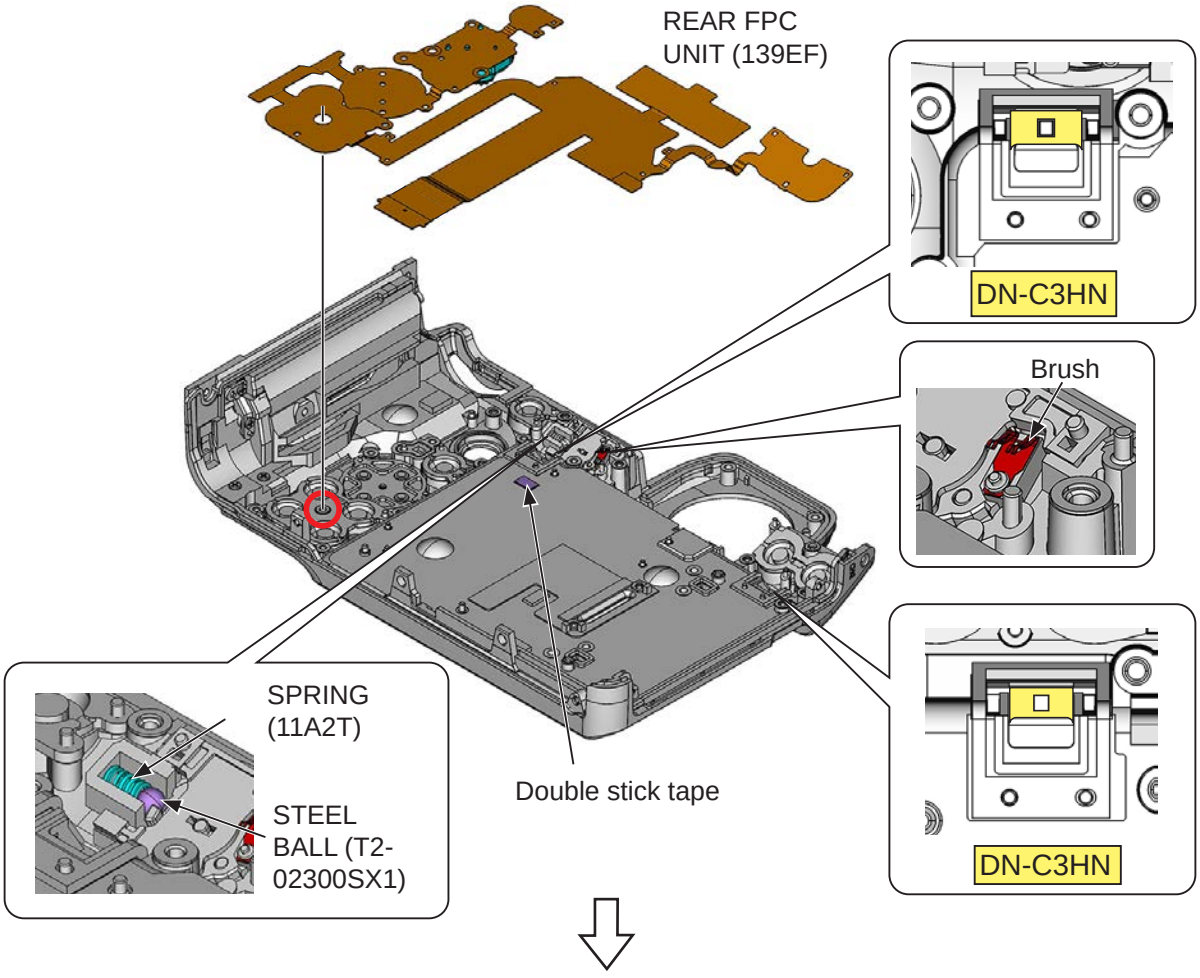

WASHER
(139L4) × 4
MULTI
SELECTOR
(1276H)
Projecting section
OS-30P
SPONGE
(1317S)
SPONGE (1317S)
MULTI SELECTOR (1276H)
SPONGE
(1317S)

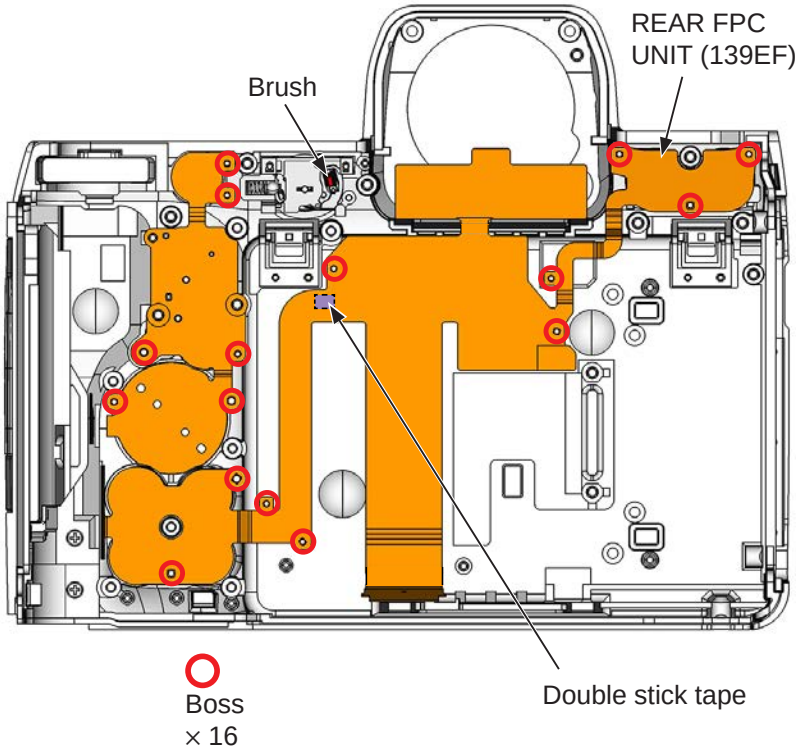

RUBBER
(133V3-A0Z1TN)
WASHER
(139L5)
OK
BUTTON
(133V2)
MULTI SELECTOR (1276H)
OK BUTTON (133V2)
MULTI
SELECTOR
(1276H)
Boss
× 2

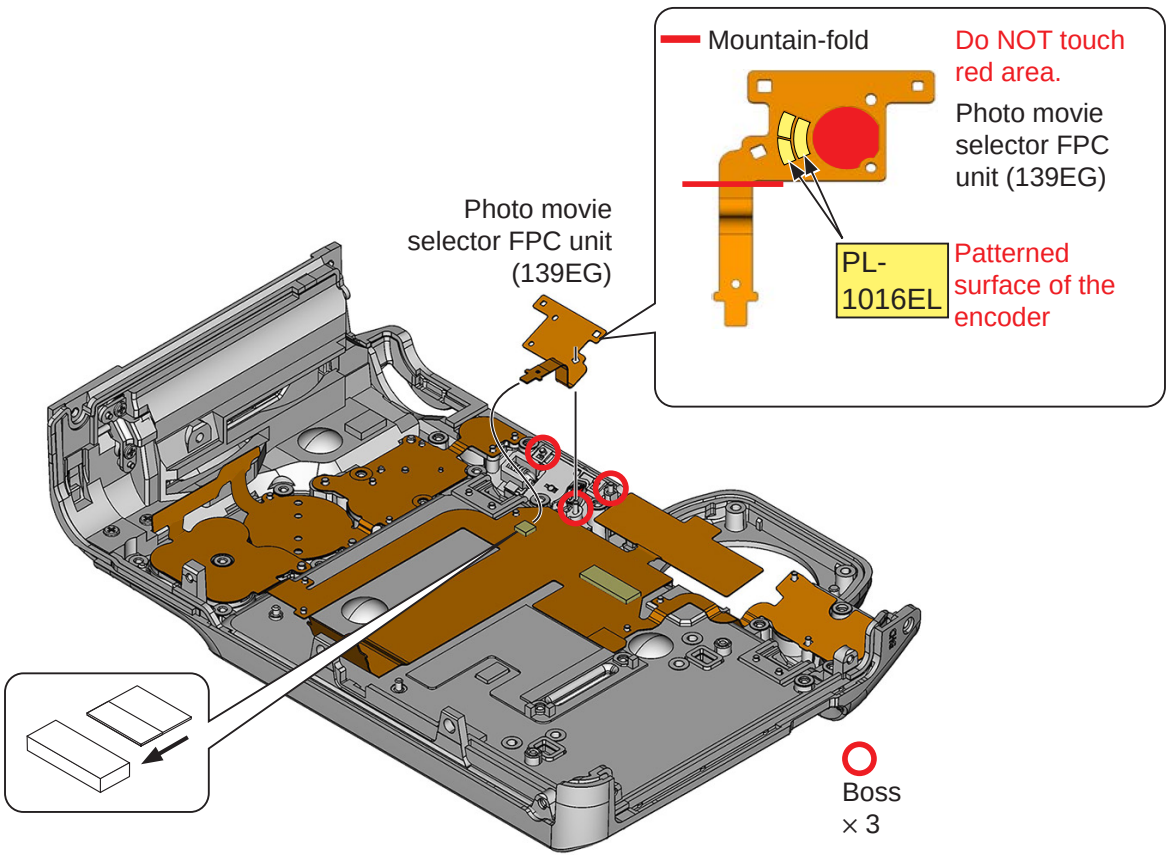


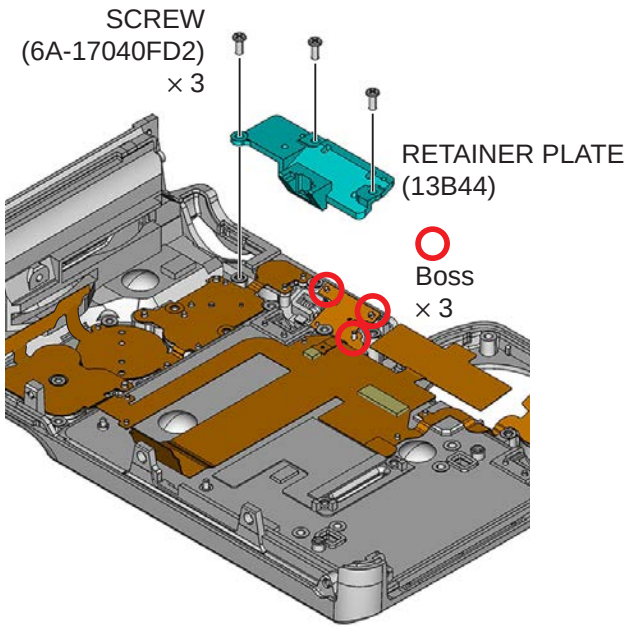
Do NOT touch red area.

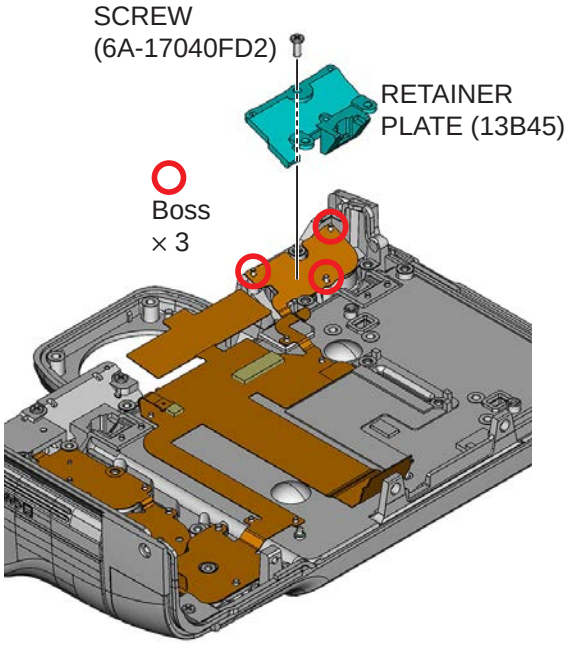


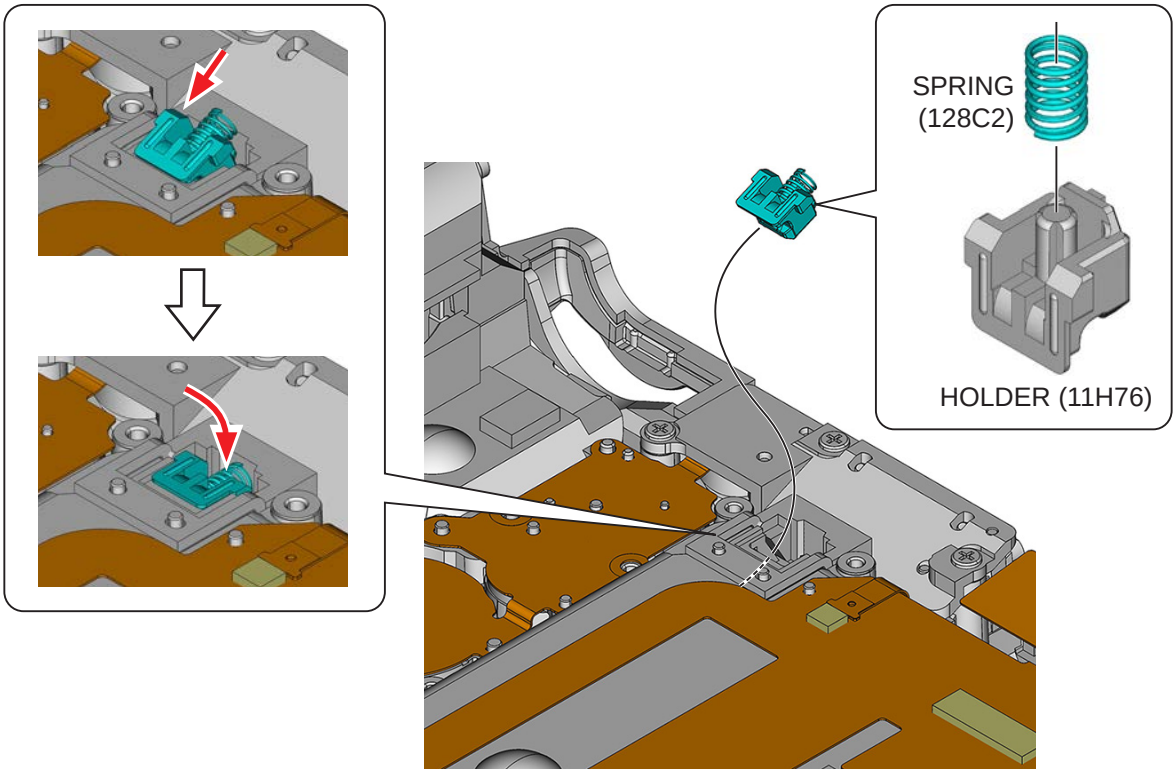

REAR FPC
UNIT (139EF)
DN-C3HN
Brush
SPRING
(11A2T)
STEEL
BALL (T2-
02300SX1)
Double stick tape
DN-C3HN

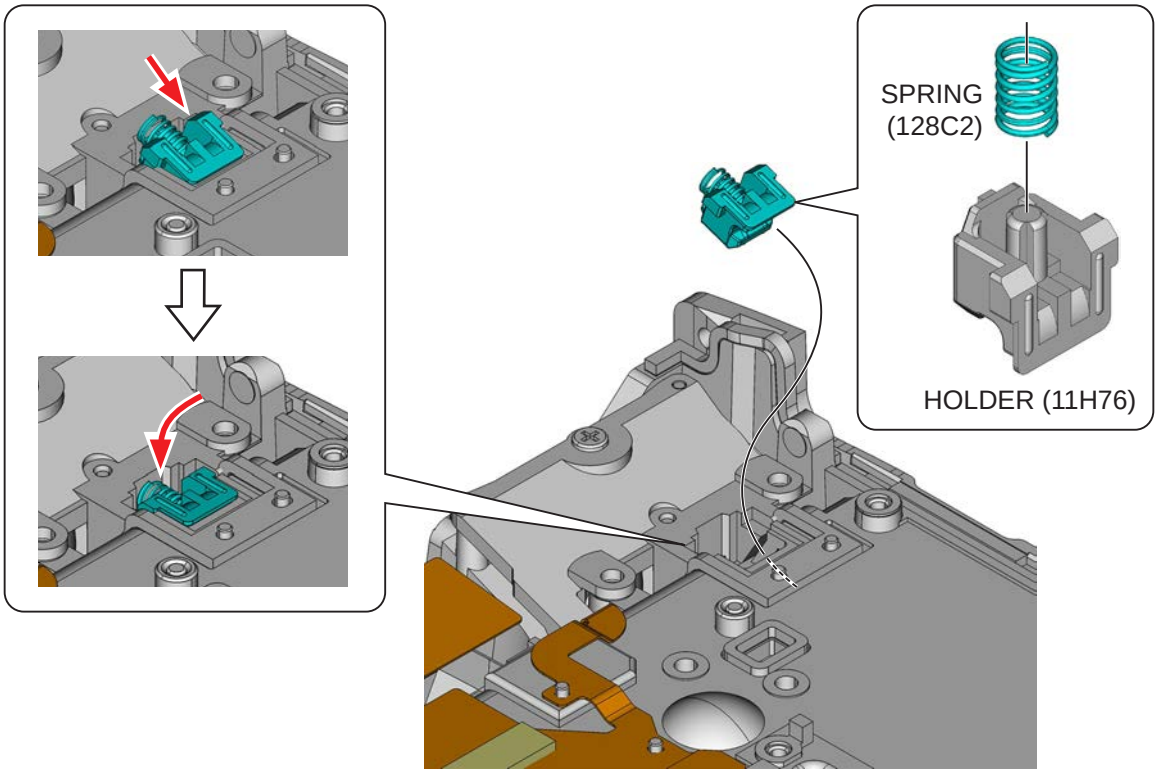

Brush
REAR FPC
UNIT (139EF)
Boss
× 16
Double stick tape

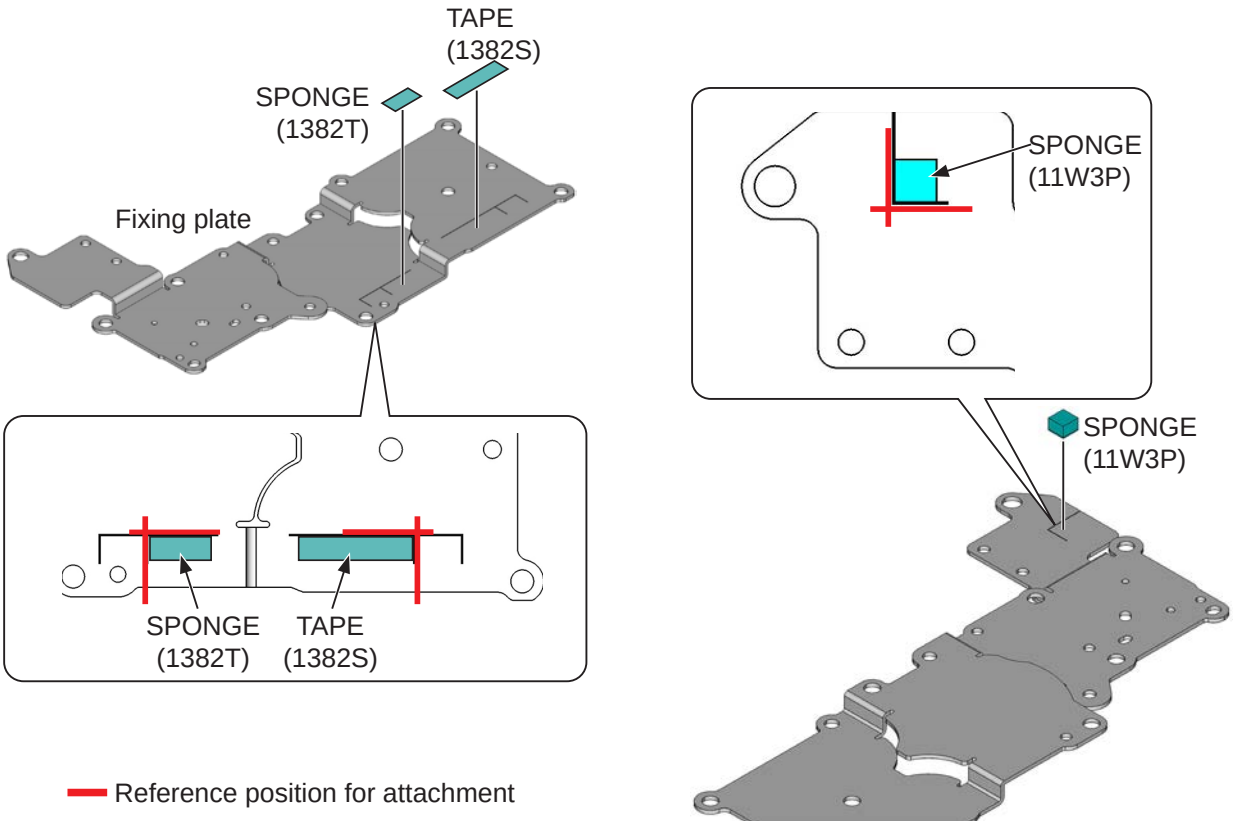

Mountain-fold
Do NOT touch red area.
Photo movie selector FPC unit (139EG)
PL-1016EL
Patterned surface of the encoder
Photo movie selector FPC unit (139EG)
Boss
× 3

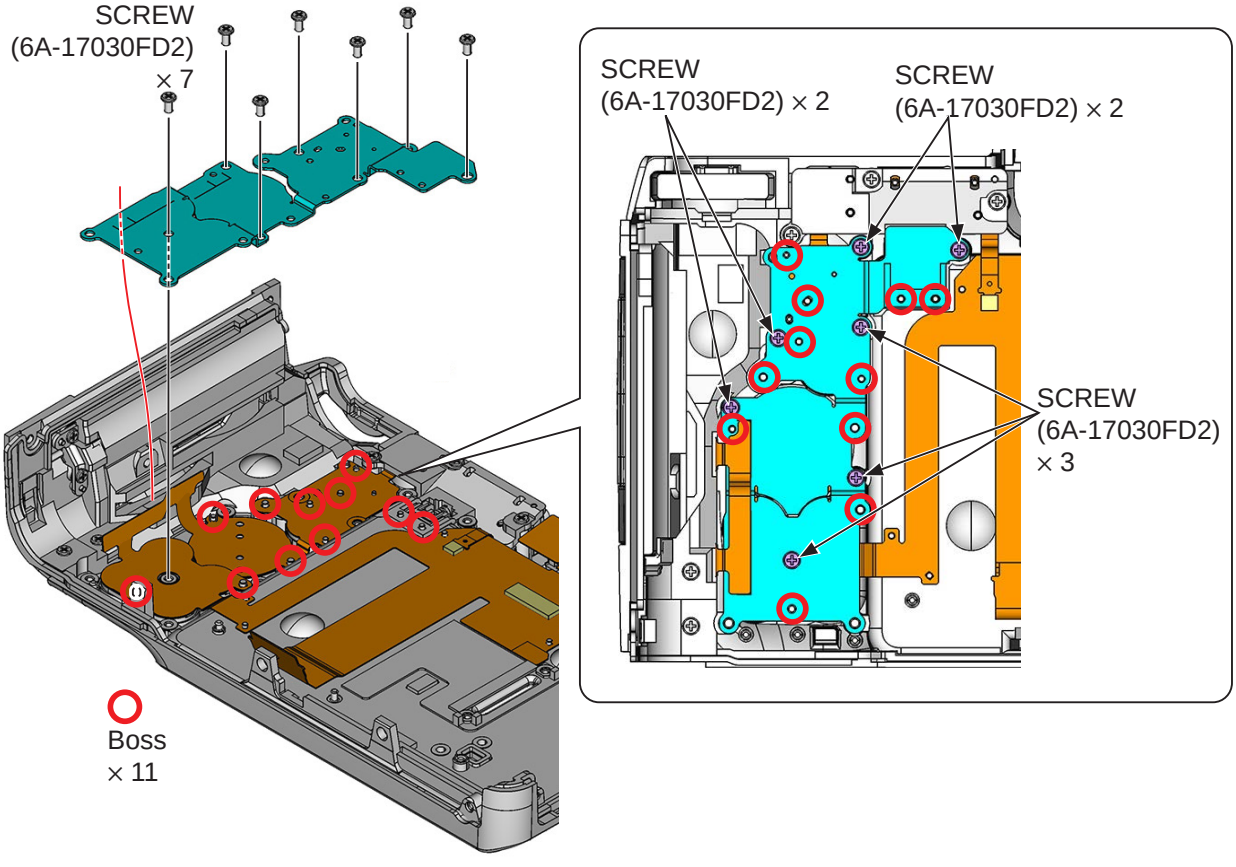

SCREW
(6A-17040FD2)
× 3
RETAINER PLATE
(13B44)
Boss
× 3

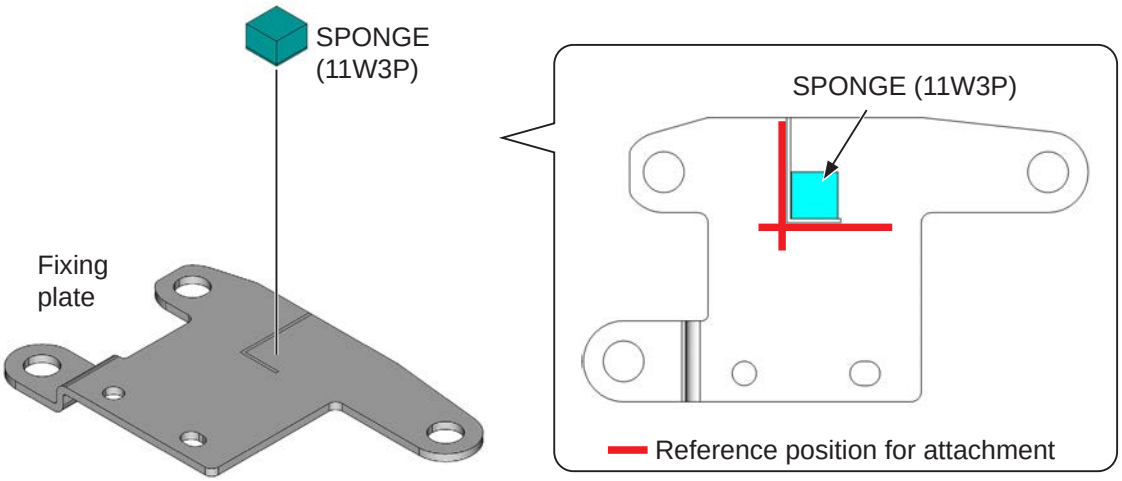

SCREW
(6A-17040FD2)
RETAINER
PLATE (13B45)
Boss
× 3

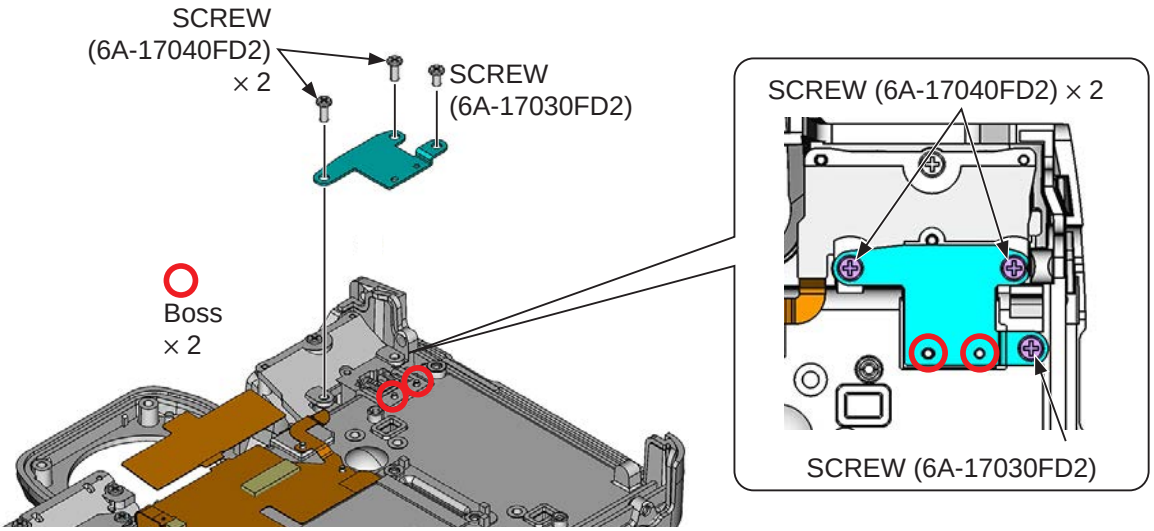

SPRING
(128C2)
HOLDER (11H76)

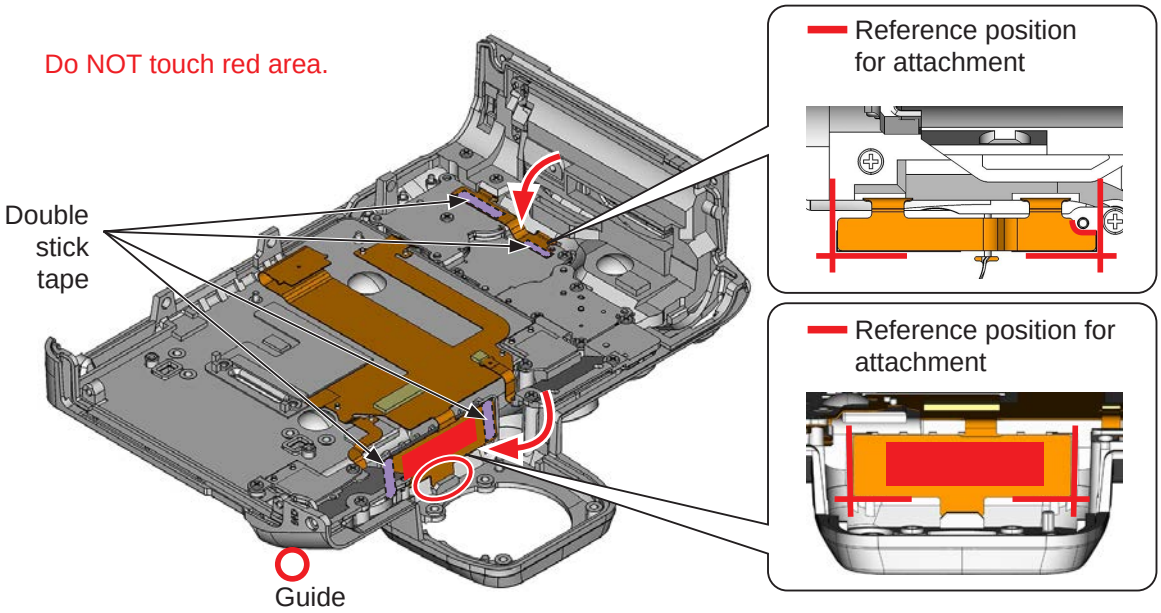

SPRING
(128C2)
HOLDER (11H76)

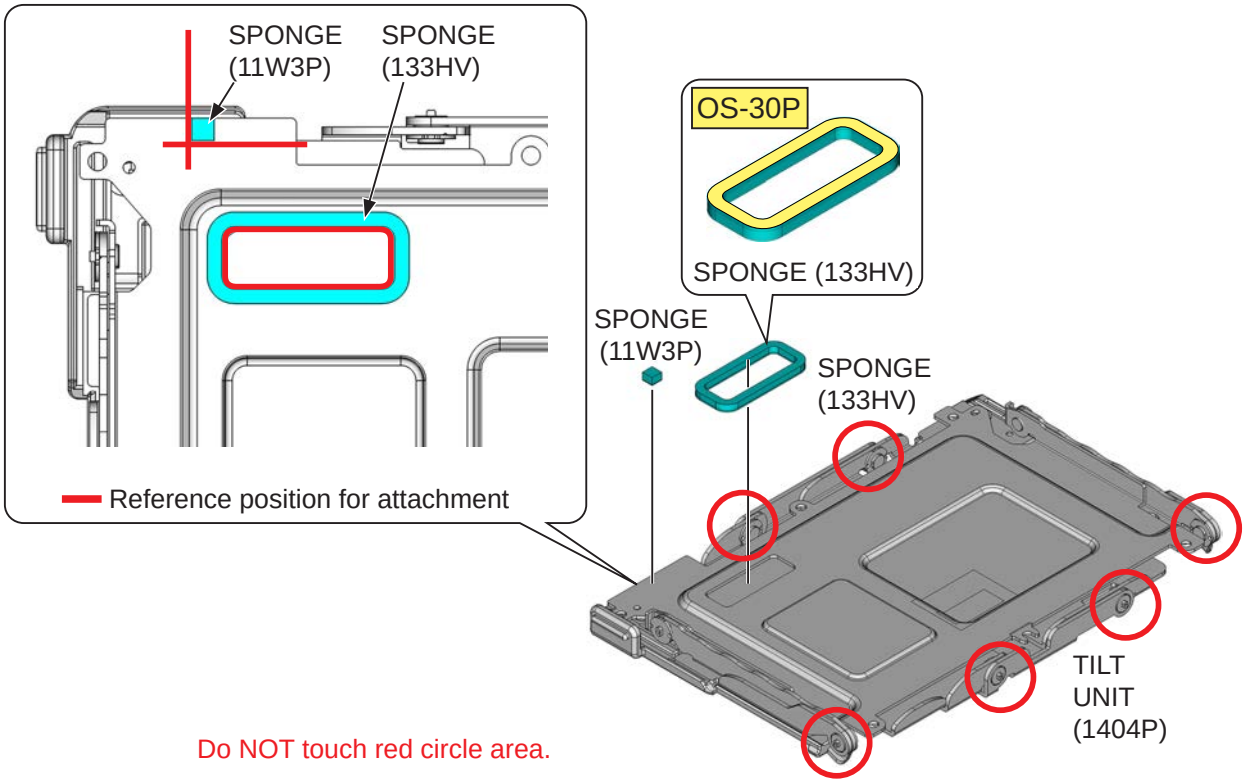

TAPE
(1382S)
SPONGE
(1382T)
Fixing plate
SPONGE
(1382T)
TAPE
(1382S)
SPONGE
(11W3P)
SPONGE
(11W3P)
Reference position for attachment

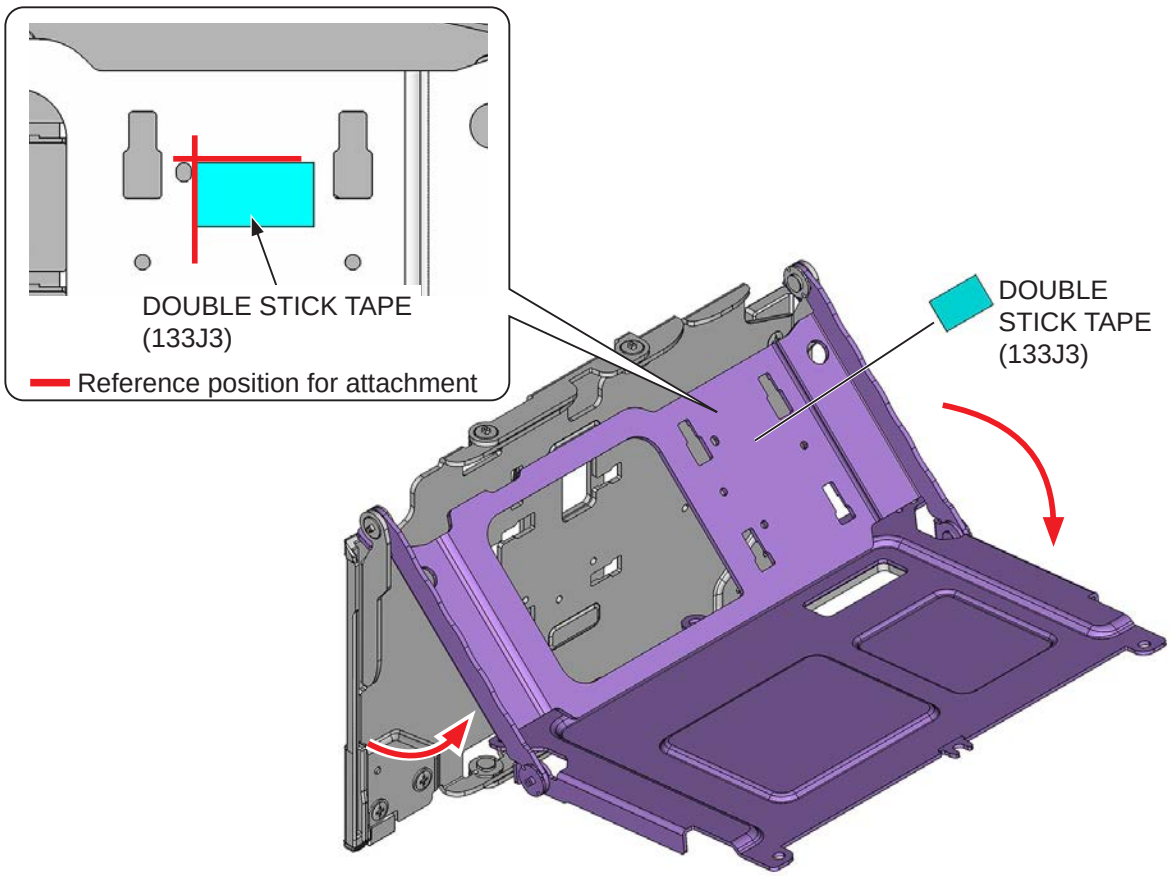

SCREW
(6A-17030FD2)
× 7
Boss
× 11
SCREW
(6A-17030FD2) × 2
SCREW
(6A-17030FD2) × 2
SCREW
(6A-17030FD2)
× 3


SPONGE
(11W3P)
Fixing
plate
SPONGE (11W3P)
Reference position for attachment

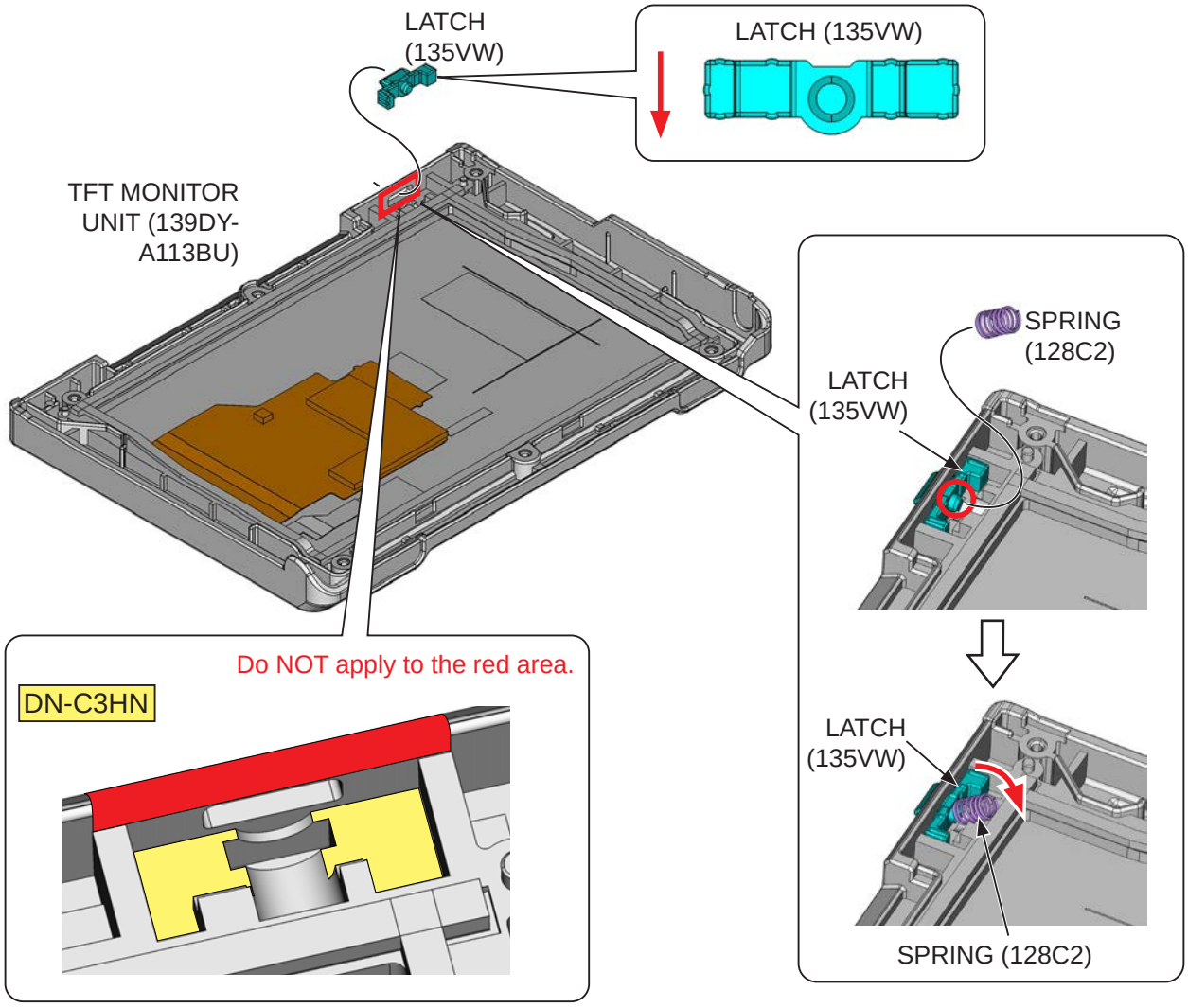

SCREW
(6A-17040FD2)
× 2
SCREW
(6A-17030FD2)
Boss
× 2
SCREW (6A-17040FD2) × 2
SCREW (6A-17030FD2)

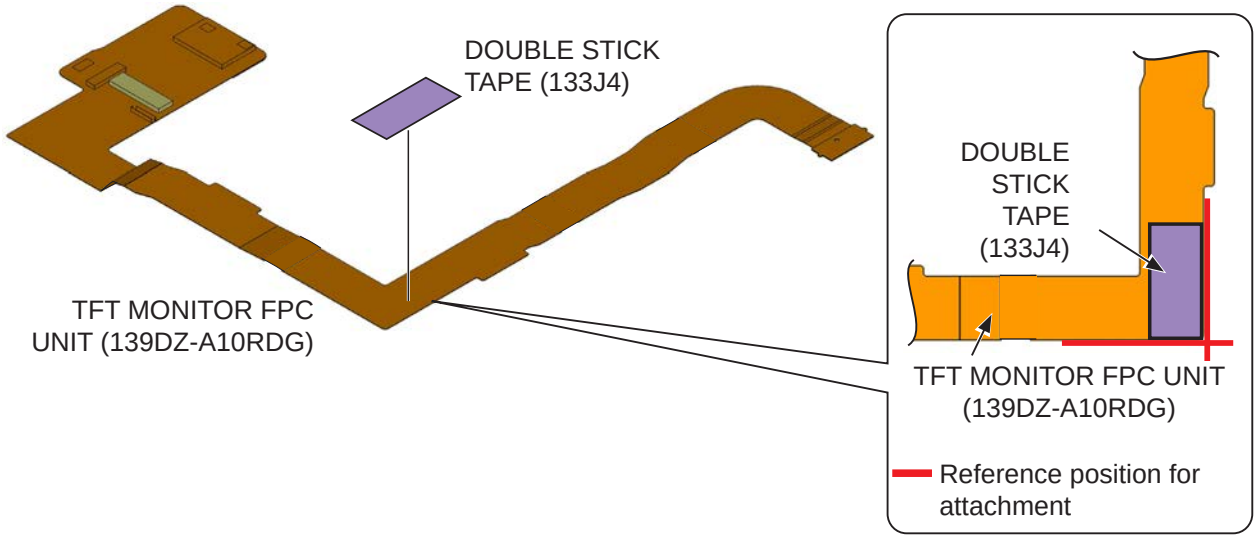

Do NOT touch red area.
Double
stick
tape
Guide
Reference position
for attachment
Reference position for
attachment

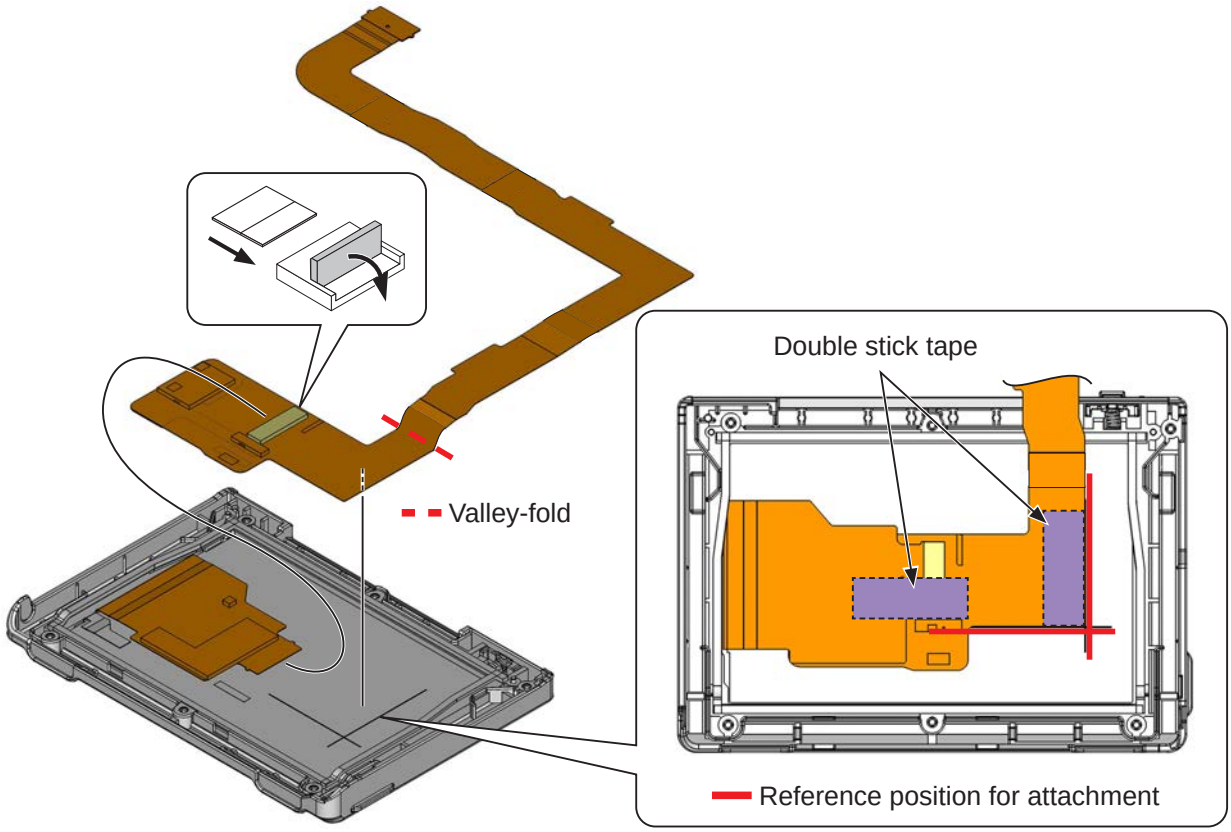

SPONGE
(11W3P)
SPONGE
(133HV)
Reference position for attachment
OS-30P
SPONGE (133HV)
SPONGE
(11W3P)
SPONGE
(133HV)
TILT
UNIT
(1404P)
Do NOT touch red circle area.

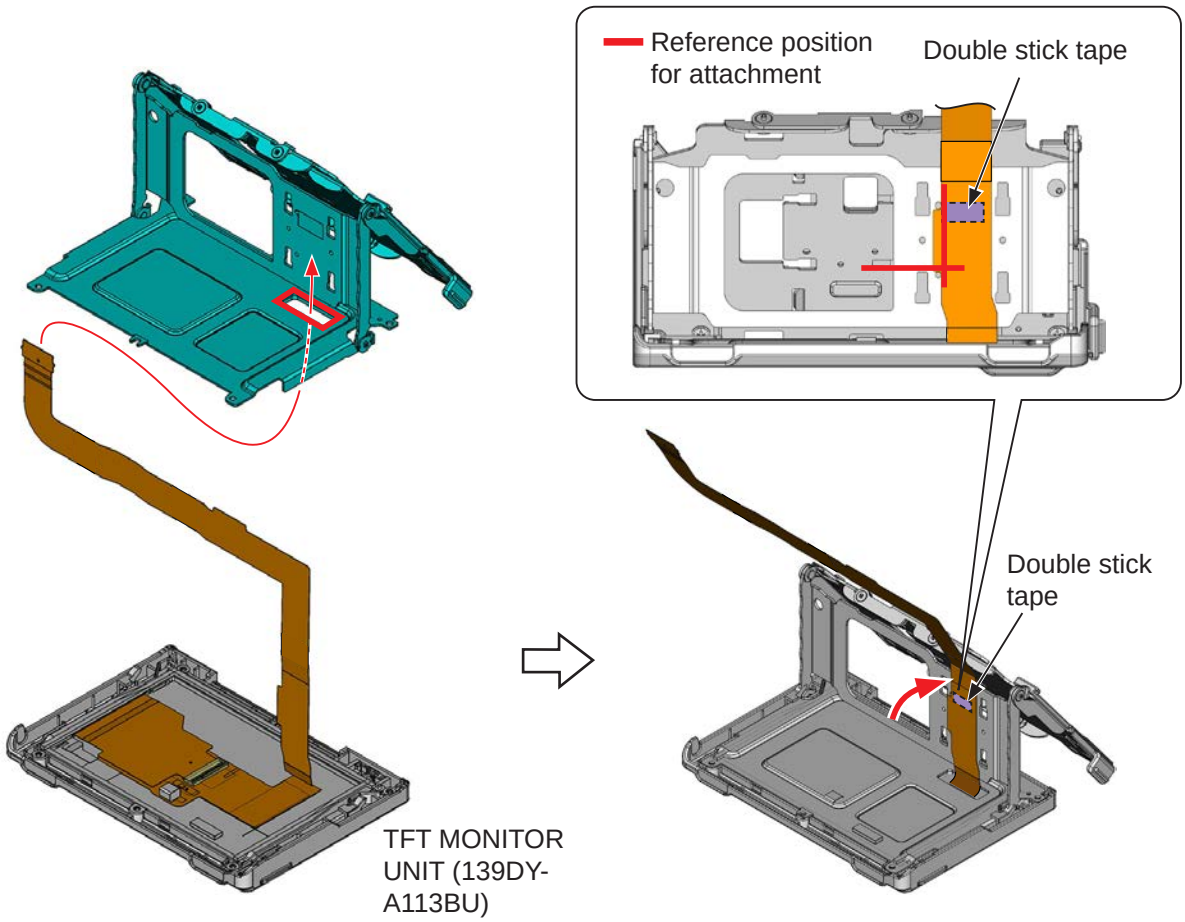

DOUBLE STICK TAPE
(133J3)
Reference position for attachment
DOUBLE
STICK TAPE
(133J3)

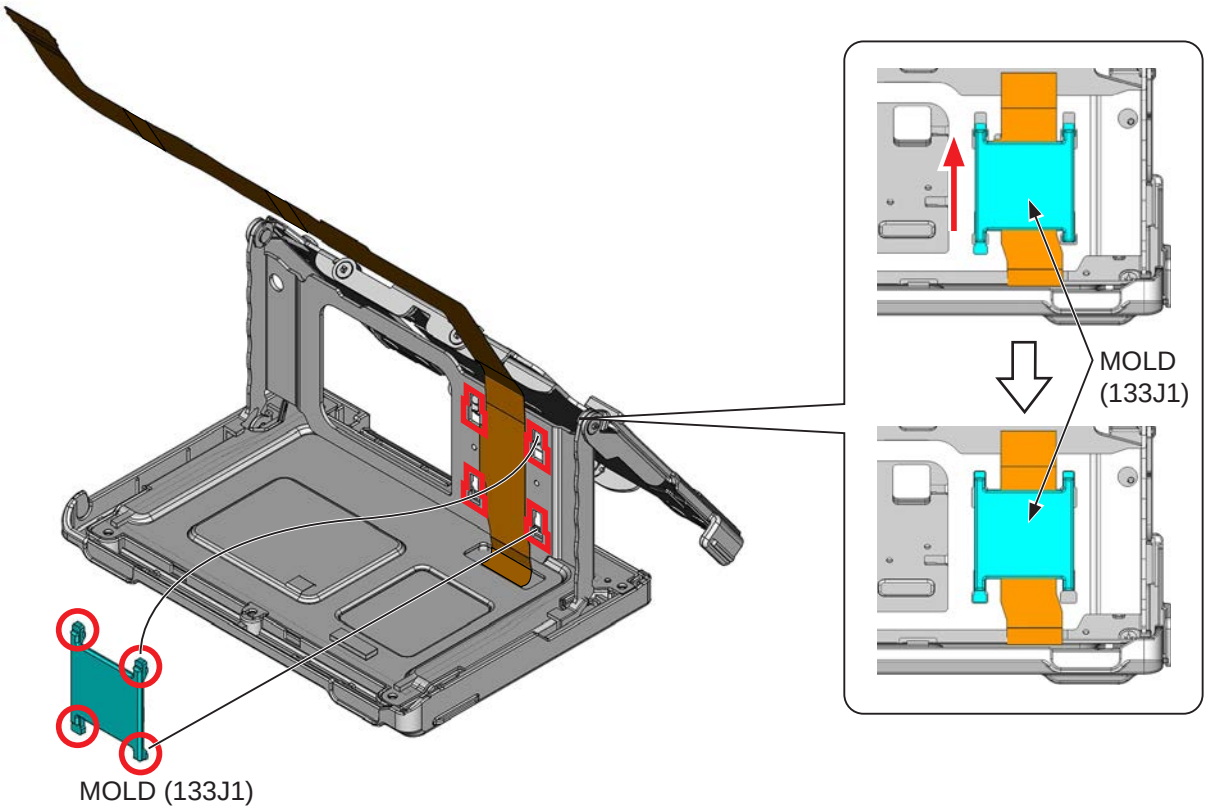
TFT MONITOR UNIT

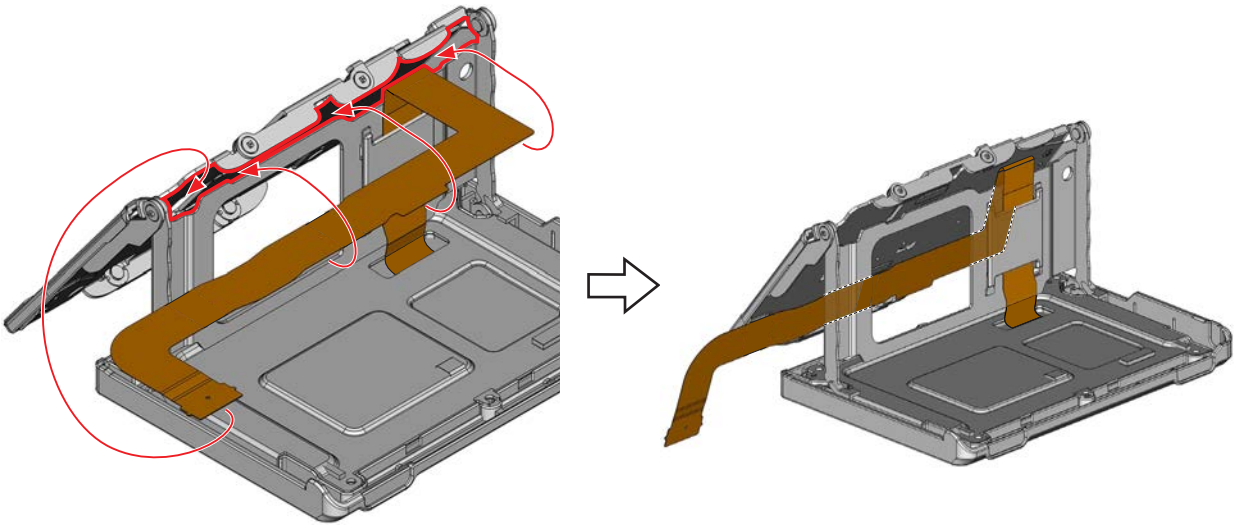


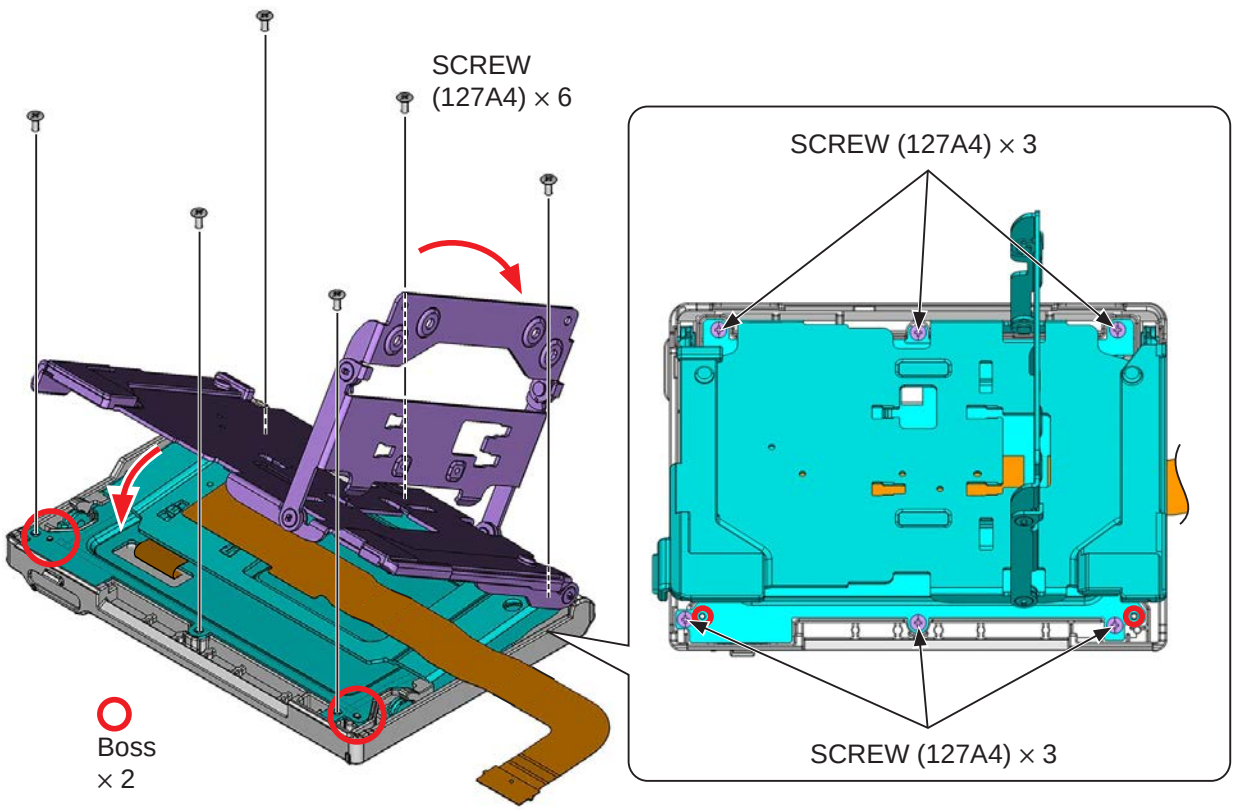


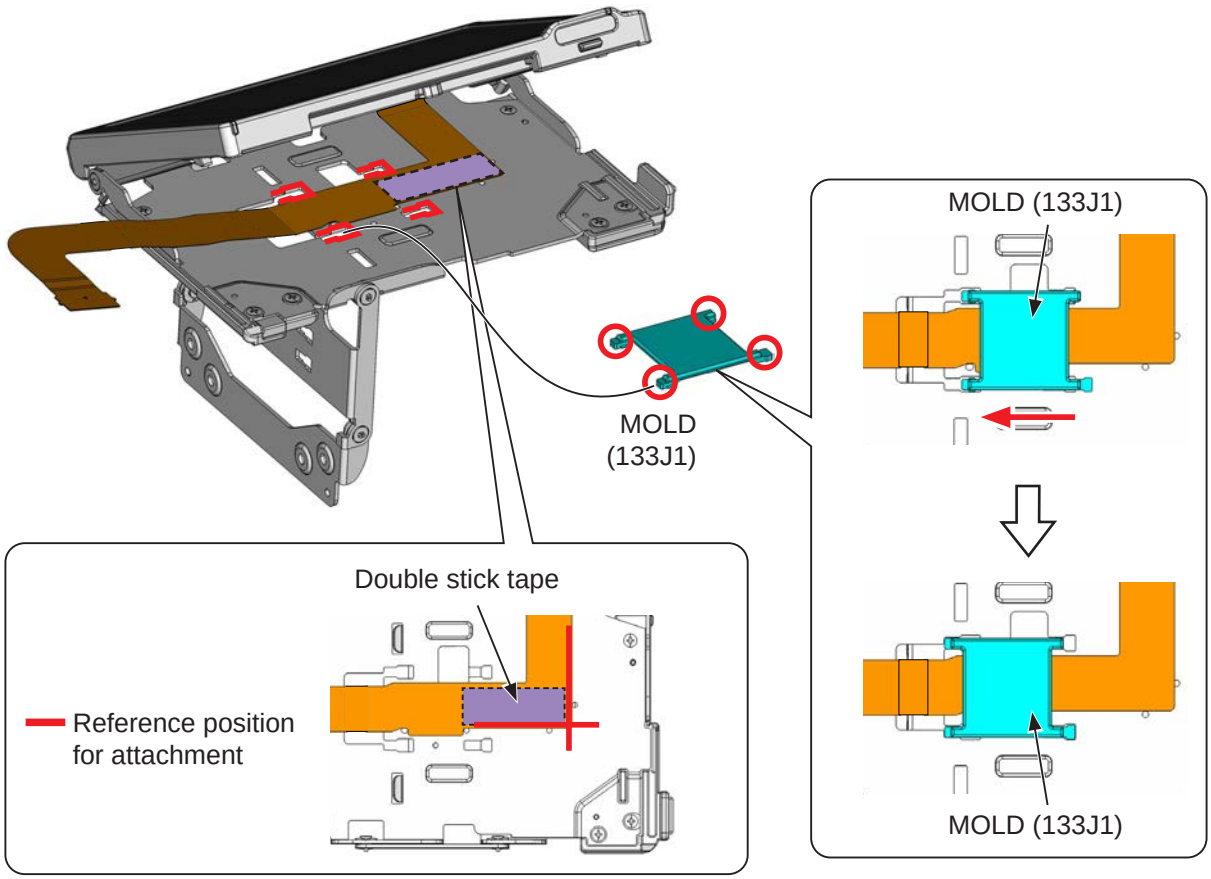

Valley-fold
Double stick tape
Reference position for attachment

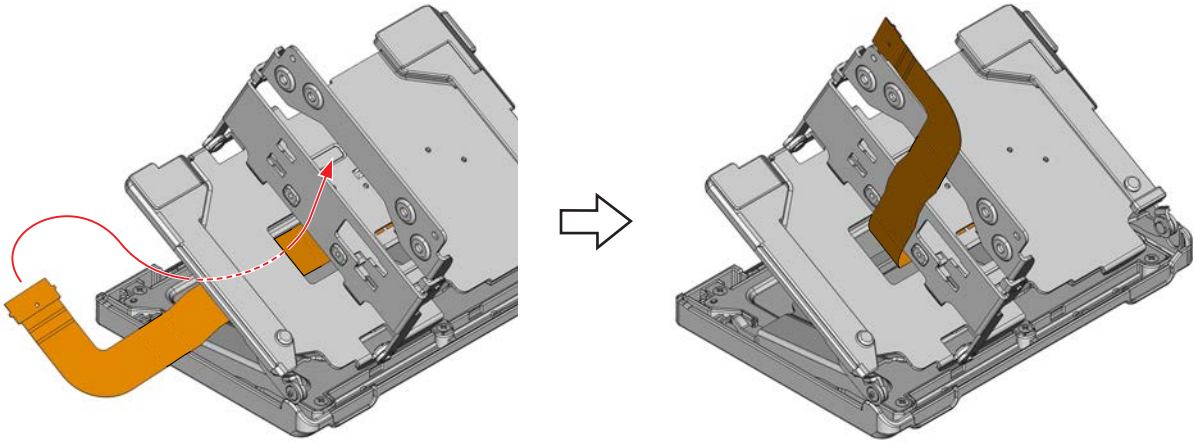

Reference position for attachment
Double stick tape
Double stick tape
TFT MONITOR UNIT (139DY-A113BU)

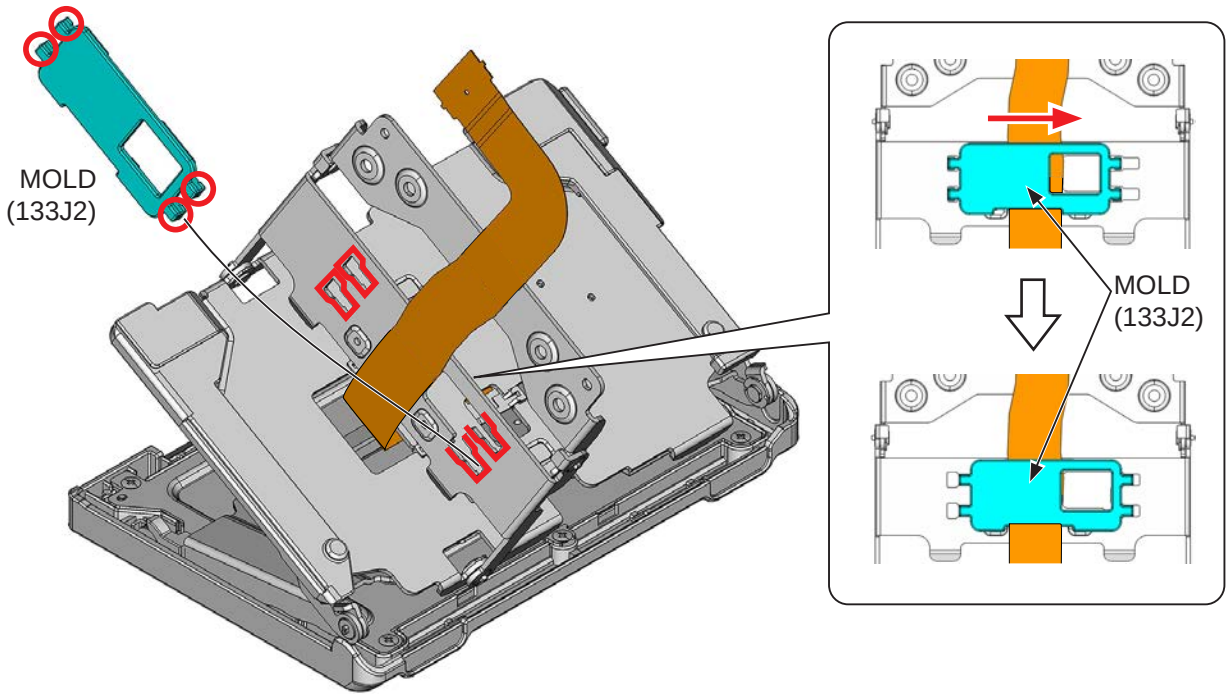

MOLD
(133J1)
MOLD (133J1)

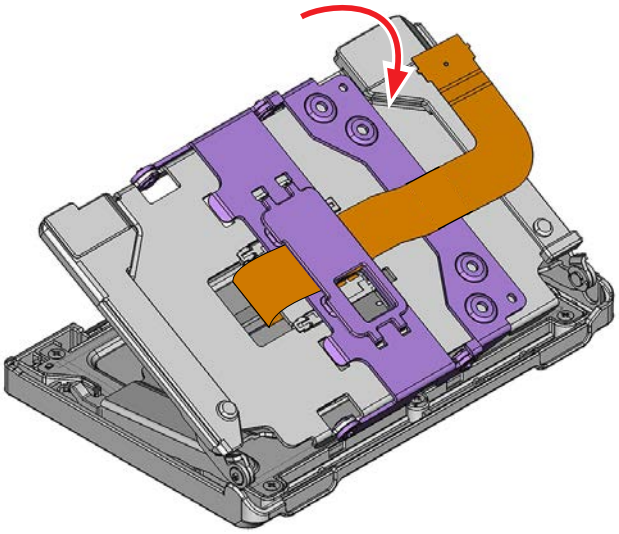


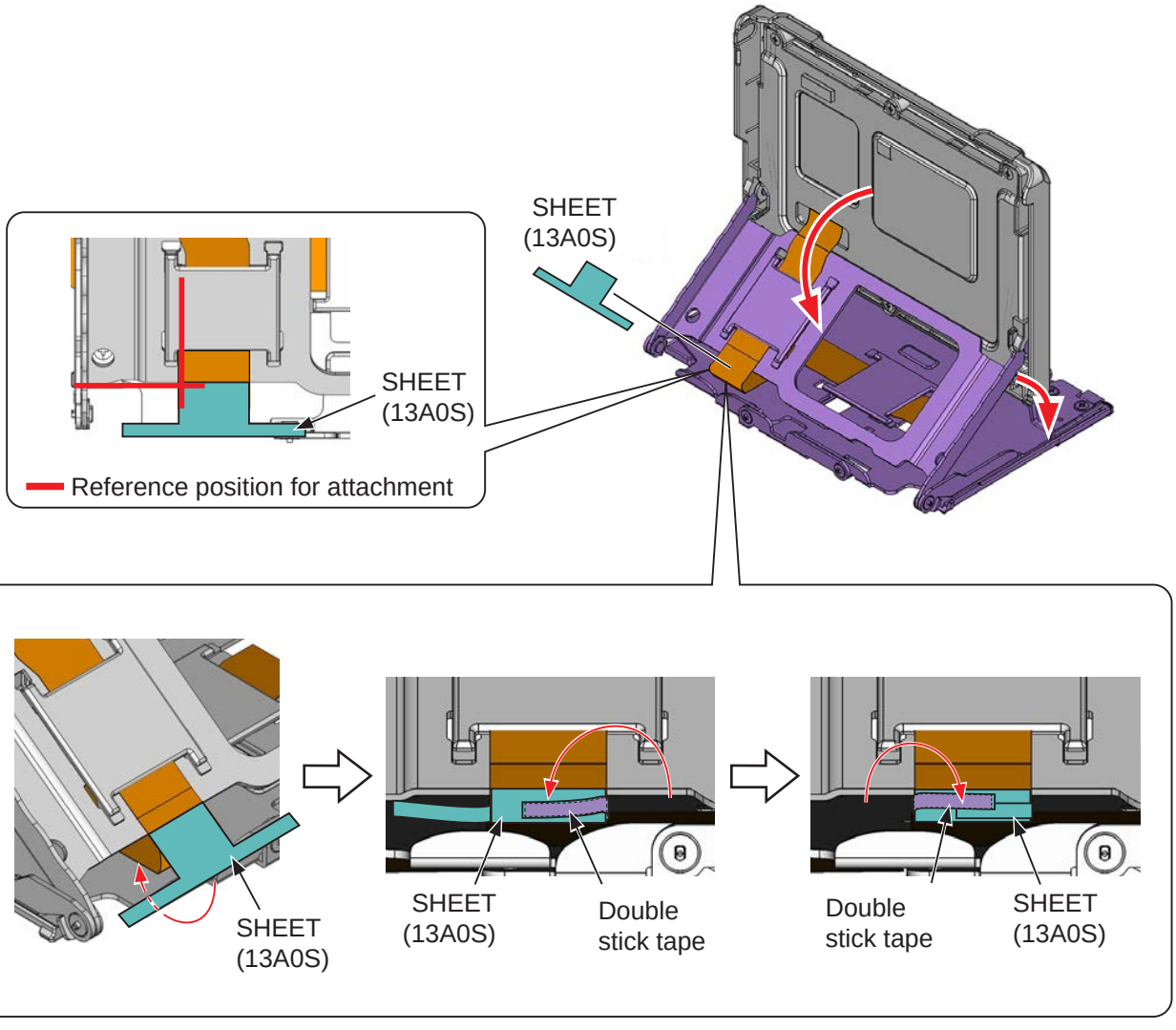

SCREW
(127A4) × 6
SCREW (127A4) × 3
Boss
× 2
SCREW (127A4) × 3

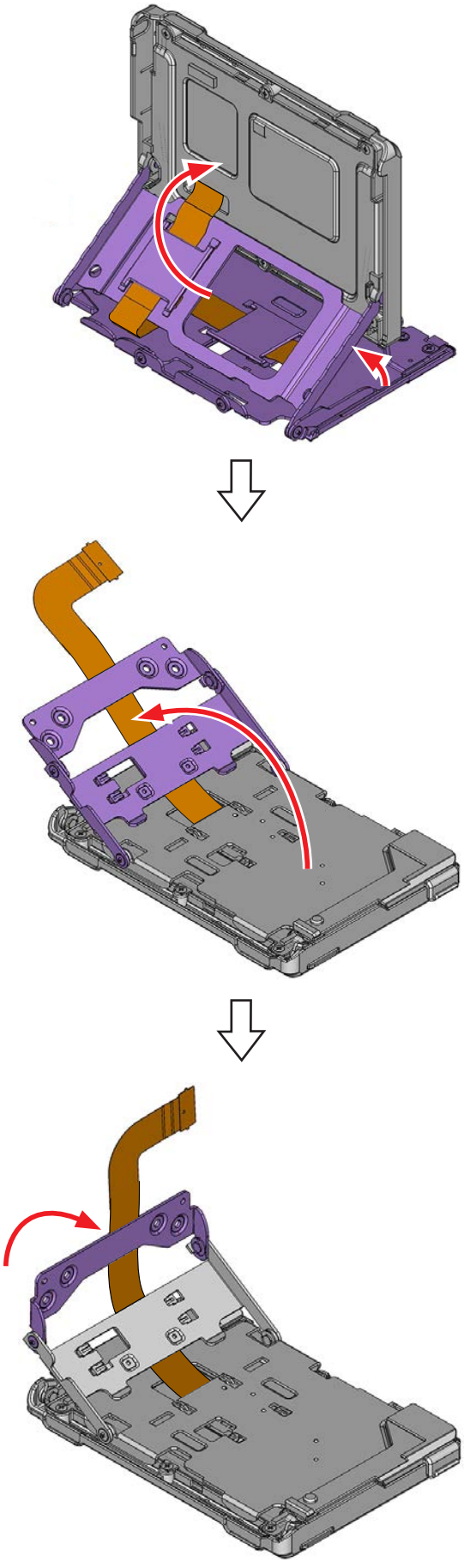

MOLD (133J1)
MOLD
(133J1)
Double stick tape
Reference position
for attachment
MOLD (133J1)

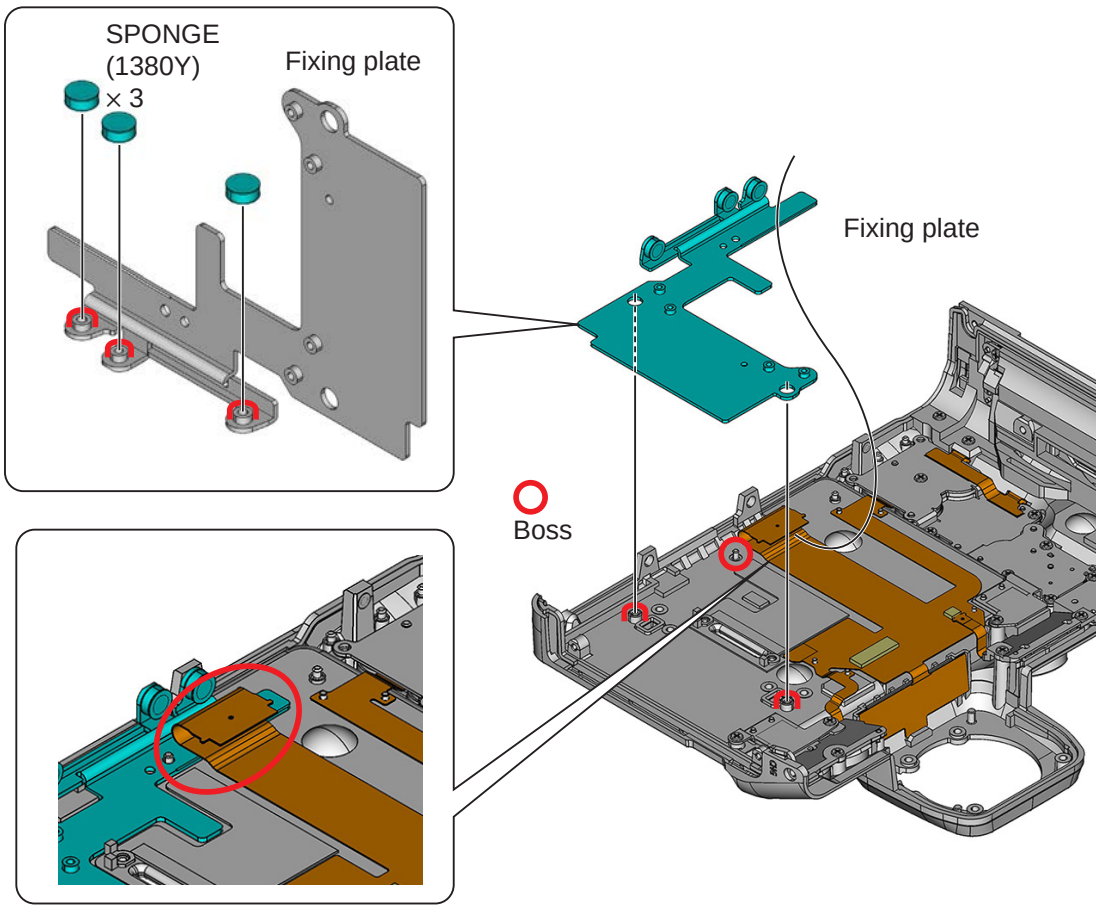


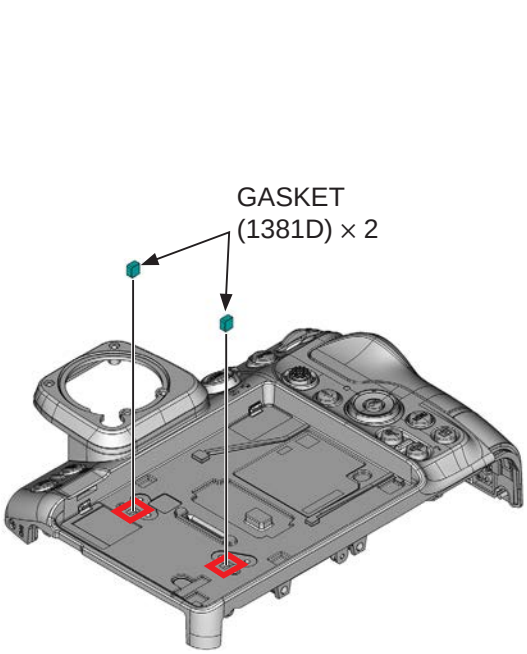

MOLD
(133J2)
MOLD
(133J2)

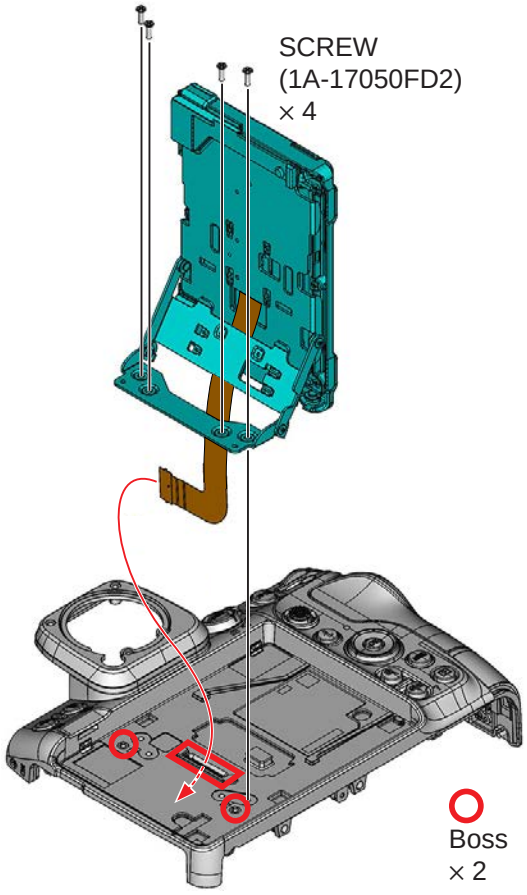


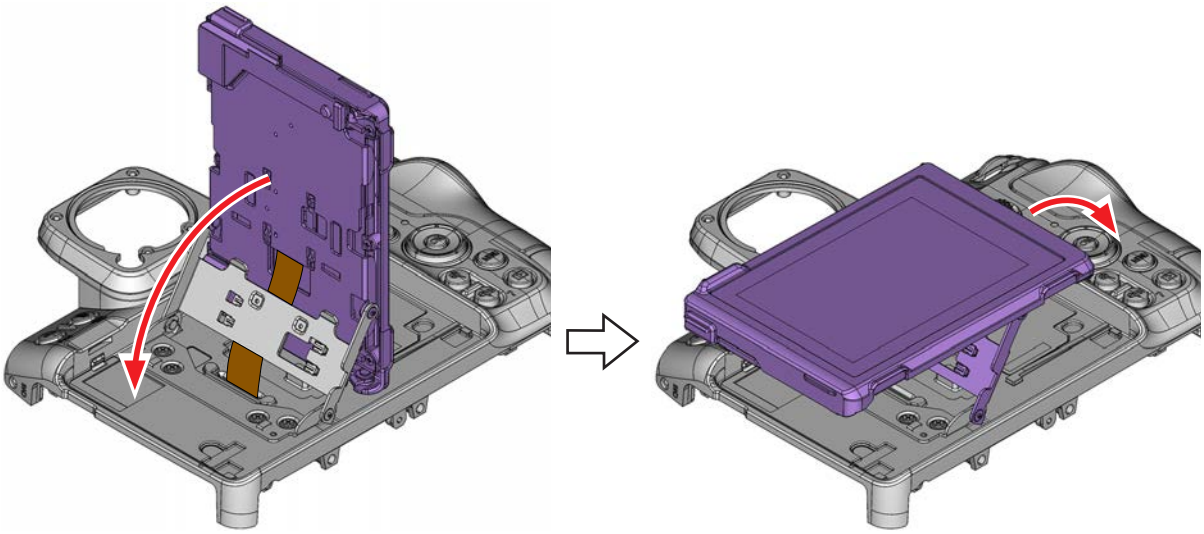

SHEET
(13A0S)
SHEET
(13A0S)
Reference position for attachment
SHEET
(13A0S)
SHEET
(13A0S)
Double
stick tape
Double
stick tape
SHEET
(13A0S)

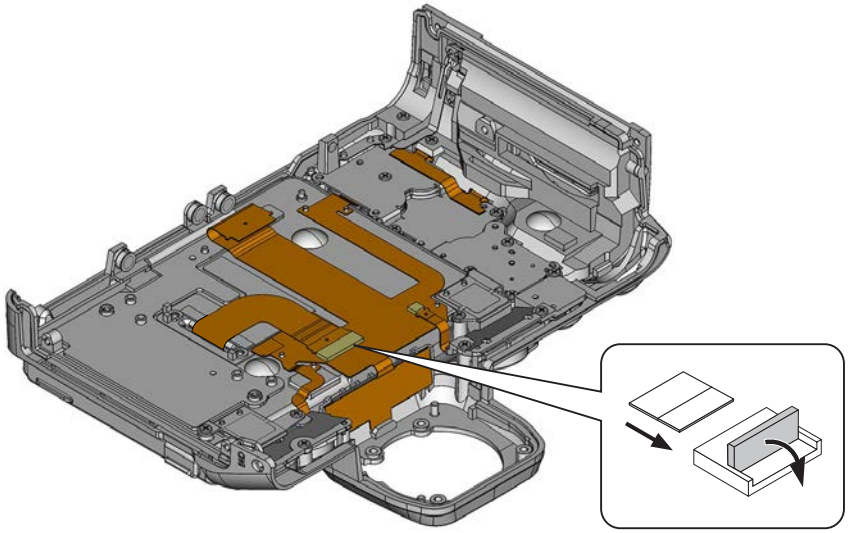


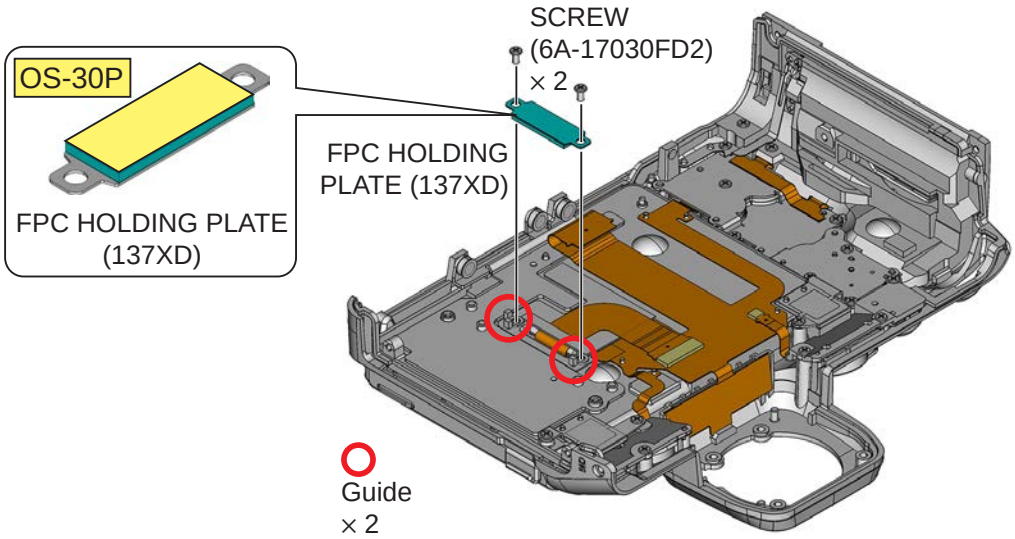

SPONGE
(1380Y)
× 3
Fixing plate
Fixing plate
Boss

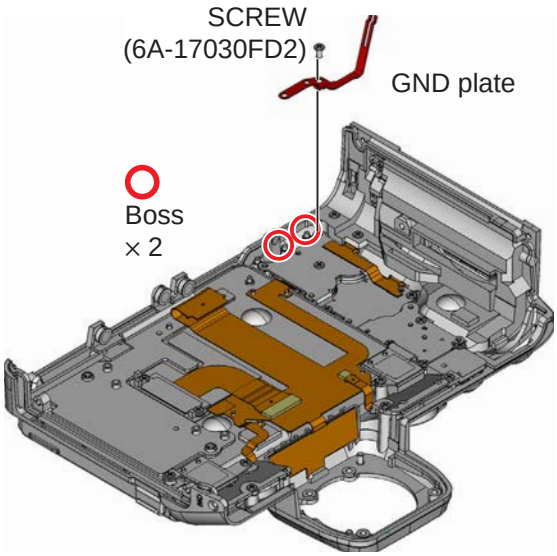

GASKET
(1381D) × 2

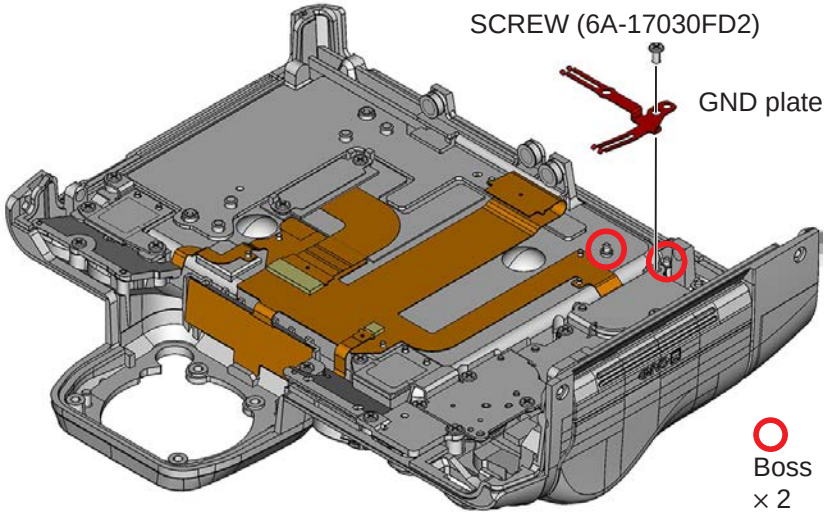

SCREW
(1A-17050FD2)
× 4
Boss
× 2

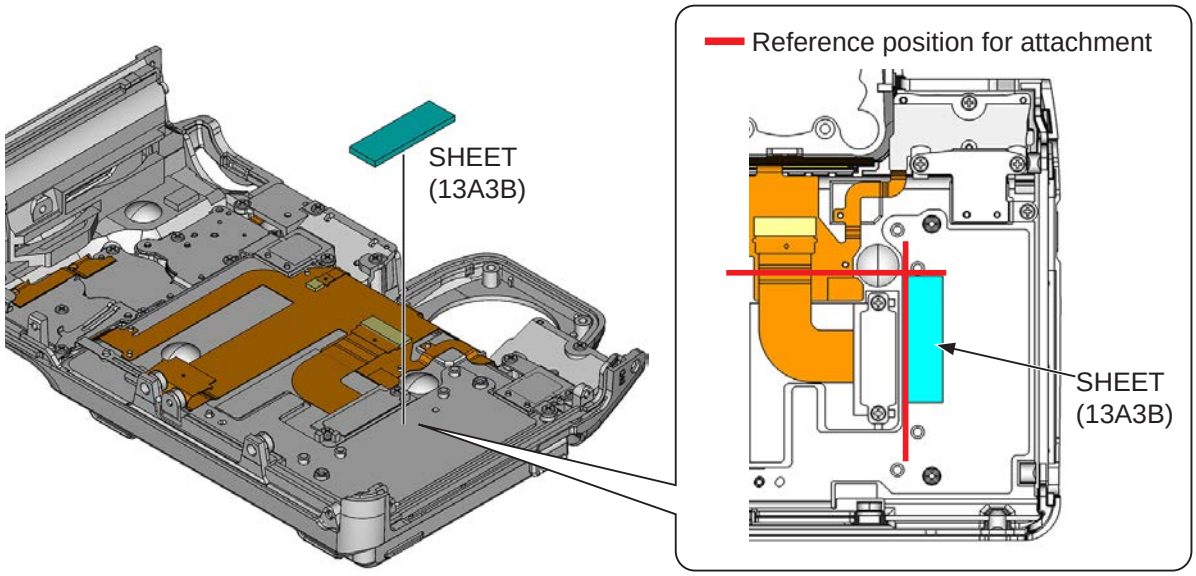





SCREW
(6A-17030FD2)
× 2
OS-30P
FPC HOLDING PLATE
(137XD)
FPC HOLDING
PLATE (137XD)
Guide
× 2

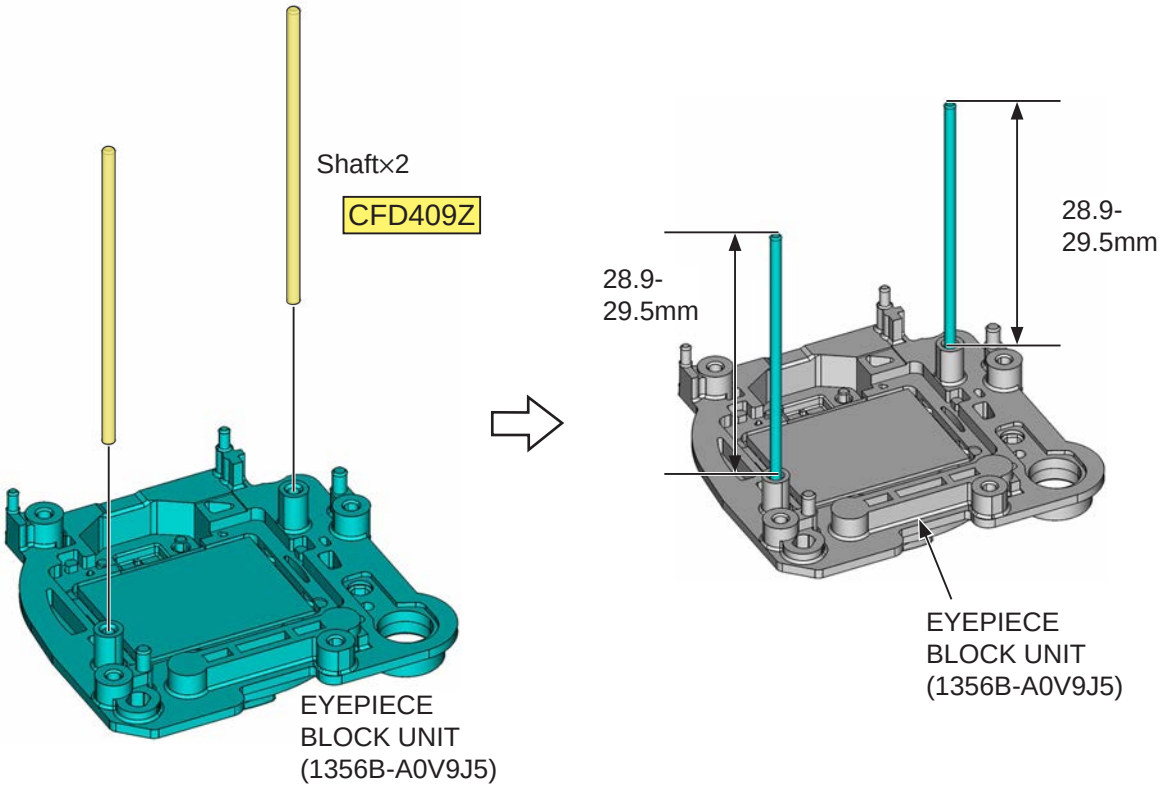

SCREW
(6A-17030FD2)
GND plate
Boss
× 2

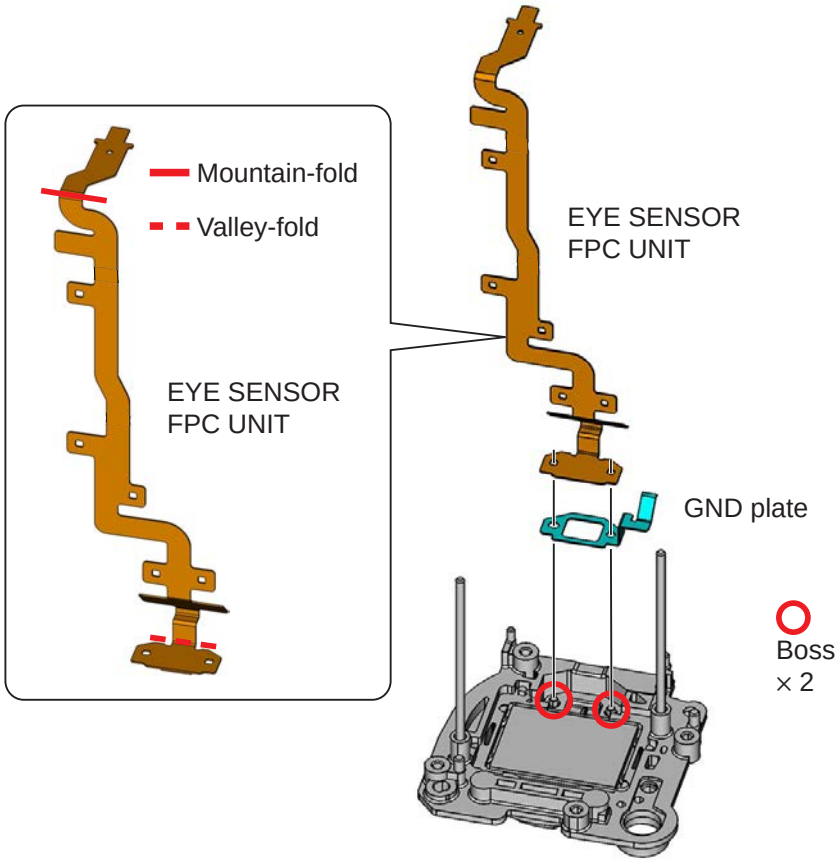

SCREW (6A-17030FD2)
GND plate
Boss
× 2

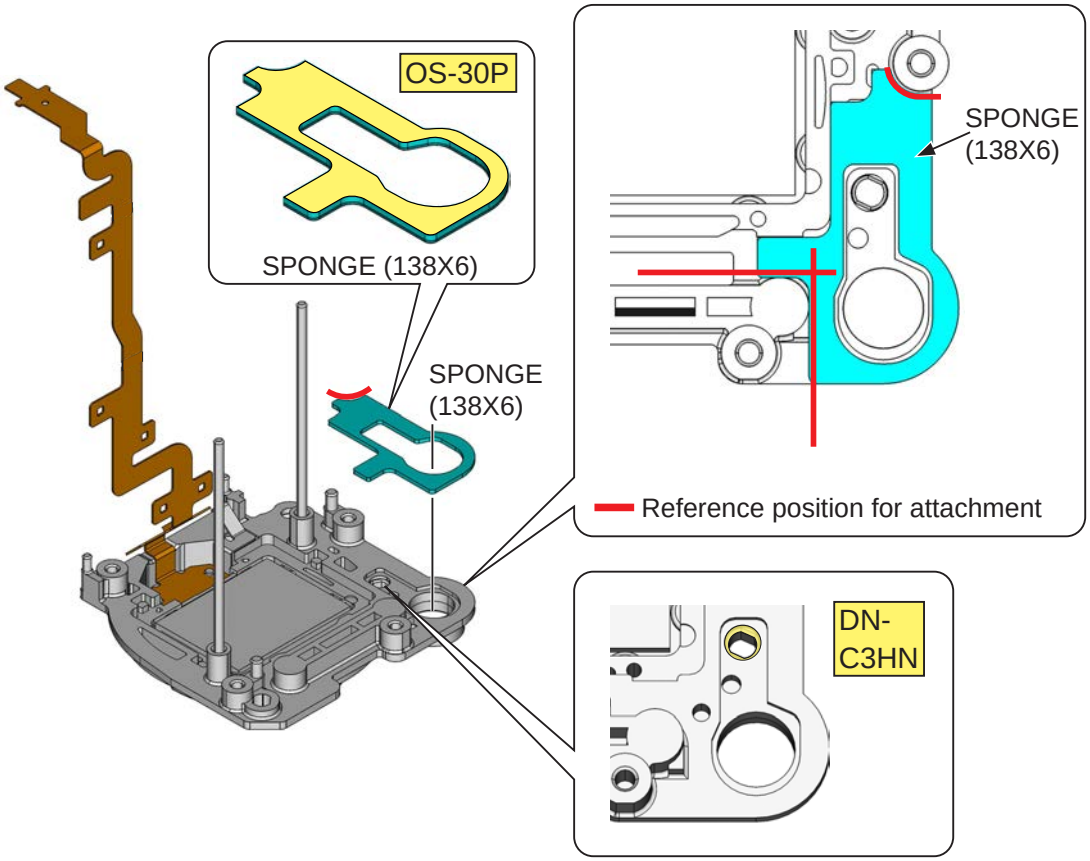

SHEET
(13A3B)
Reference position for attachment
SHEET
(13A3B)

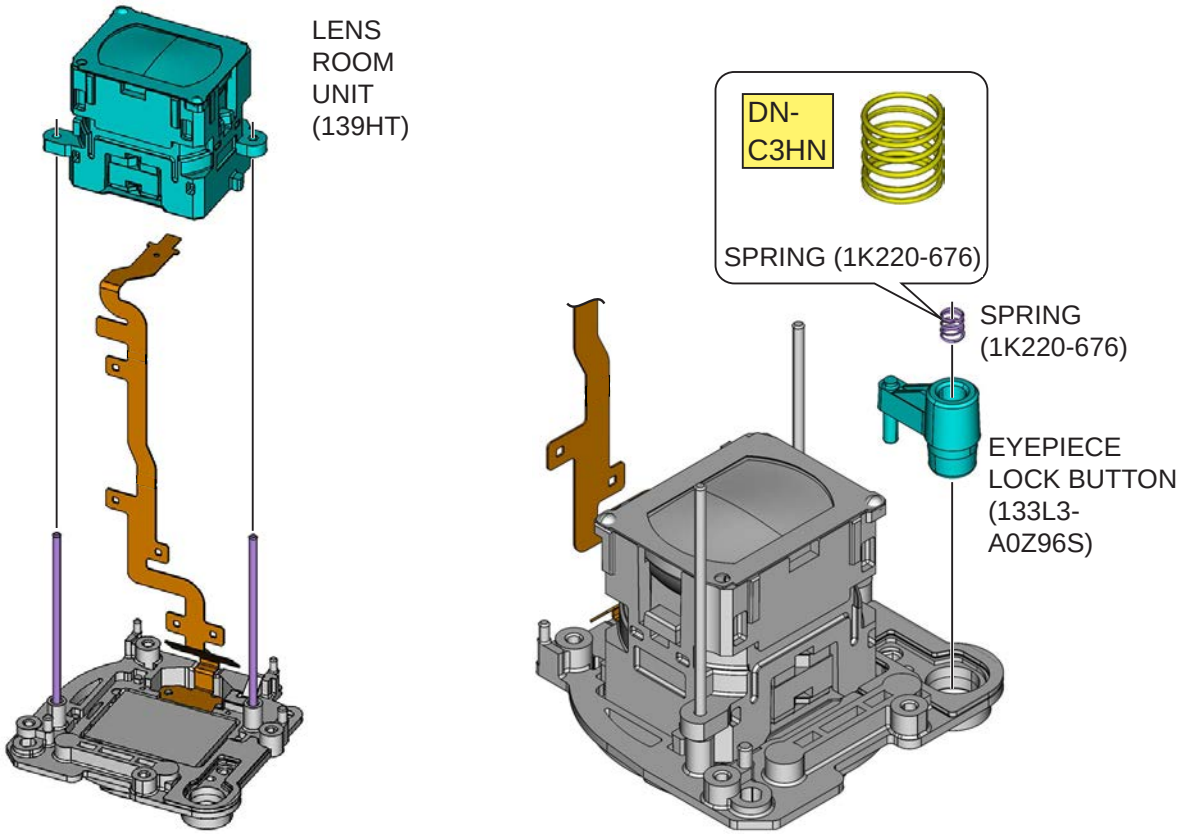
2. Eyepiece block unit

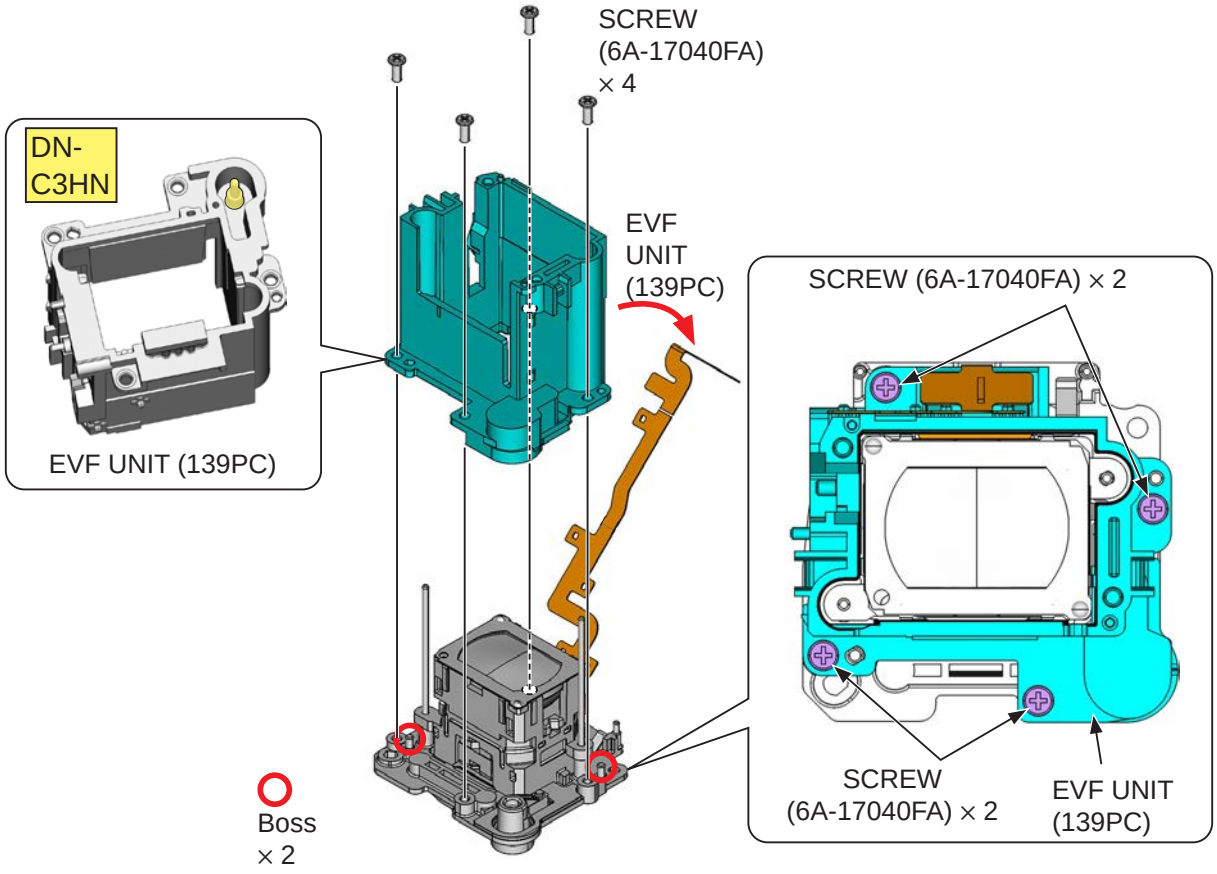
EYEPIECE BLOCK UNIT

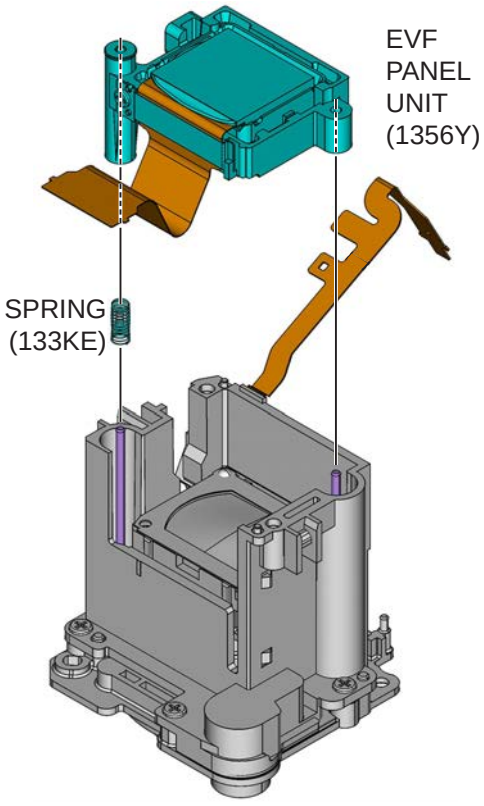


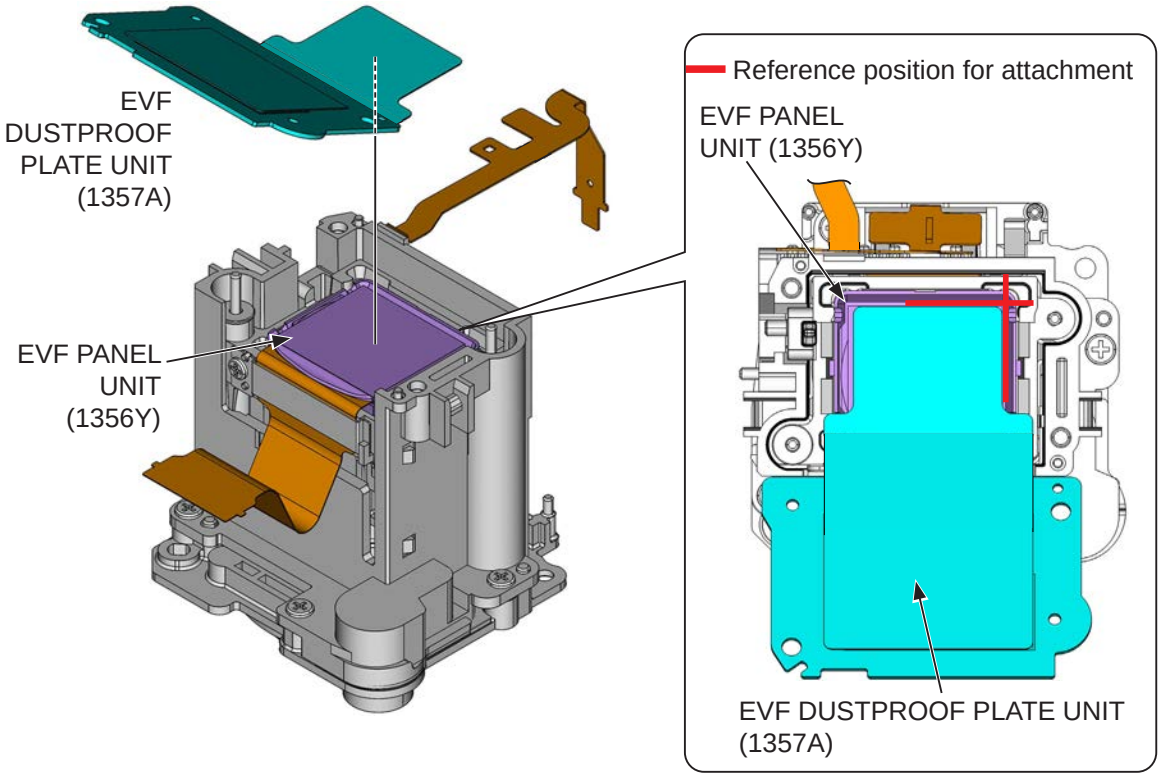


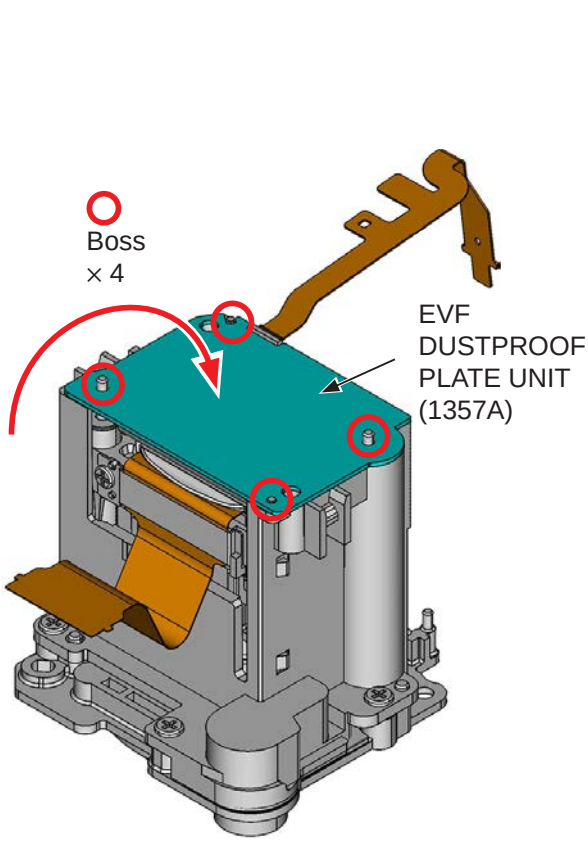

OS-30P
SPONGE (138X6)
SPONGE
(138X6)
SPONGE
(138X6)
Reference position for attachment
DN-
C3HN

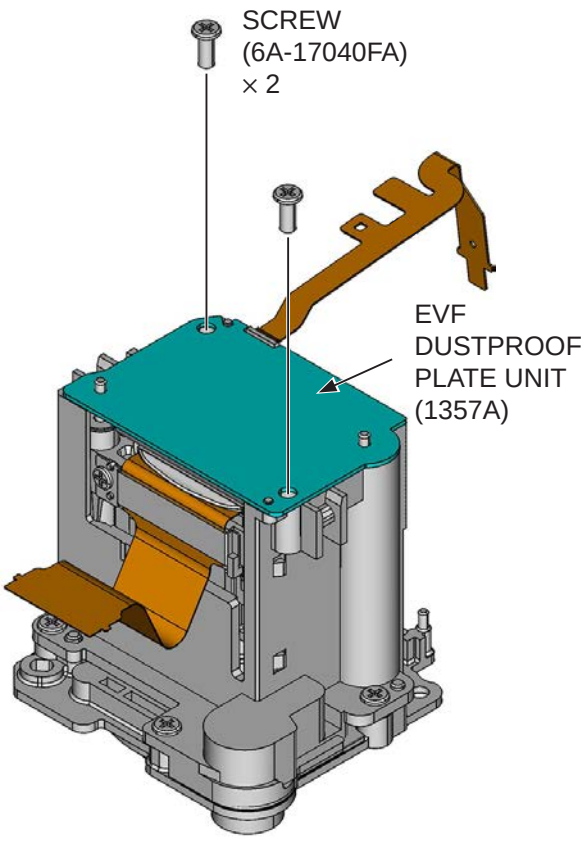

LENS
ROOM
UNIT
(139HT)
DN-
C3HN
SPRING (1K220-676)
SPRING
(1K220-676)
EYEPIECE
LOCK BUTTON
(133L3-
A0Z96S)

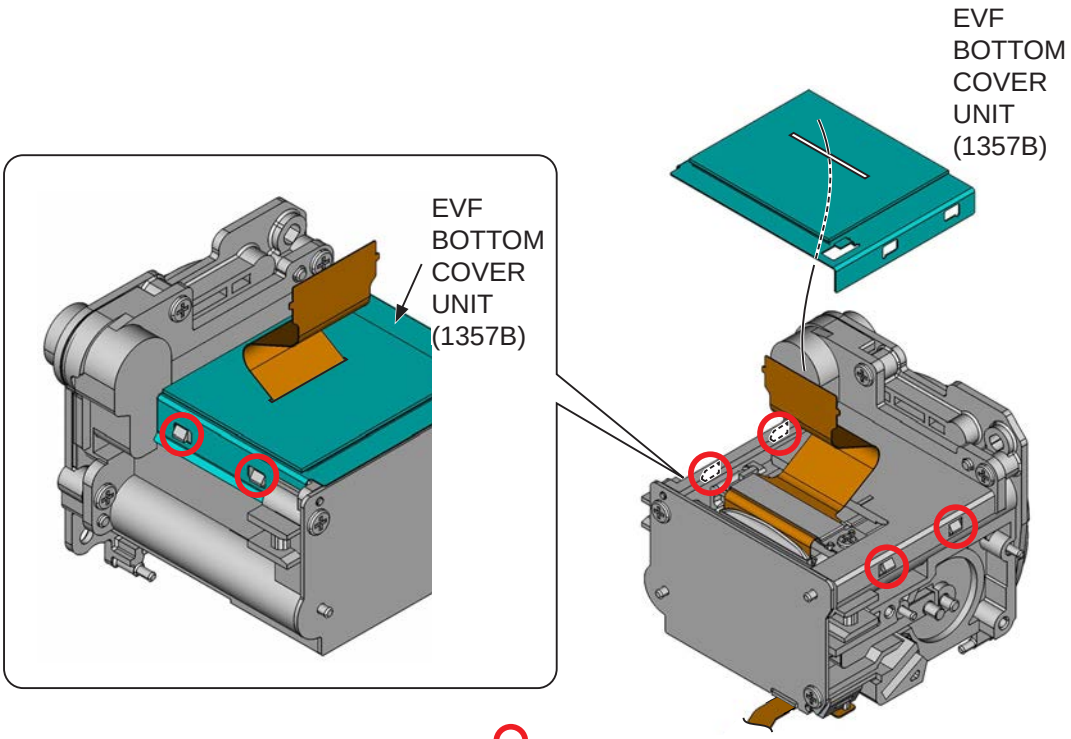

SCREW
(6A-17040FA)
× 4
DN-
C3HN
EVF UNIT (139PC)
EVF
UNIT
(139PC)
SCREW (6A-17040FA) × 2
Boss
× 2
SCREW
(6A-17040FA) × 2
EVF UNIT
(139PC)

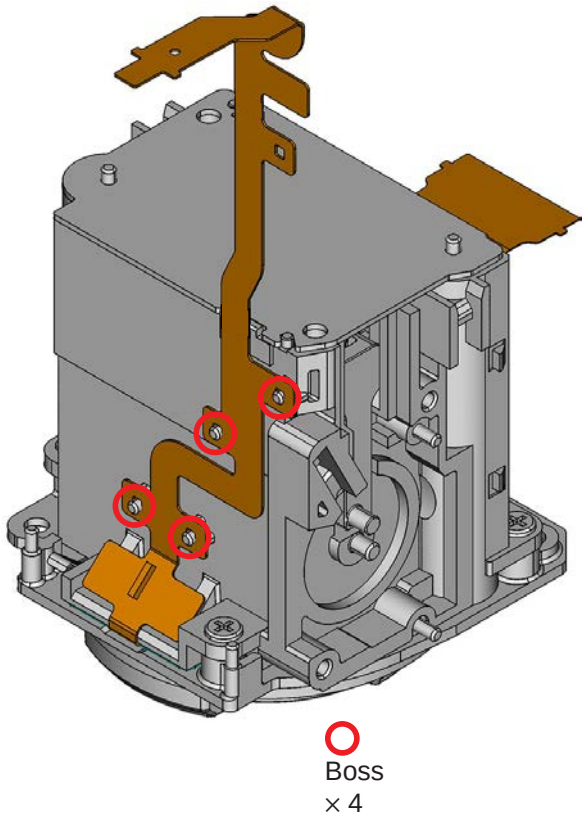

EVF
PANEL
UNIT
(1356Y)
SPRING
(133KE)


EVF
DUSTPROOF
PLATE UNIT
(1357A)
EVF PANEL
UNIT
(1356Y)
Reference position for attachment
EVF PANEL
UNIT (1356Y)
EVF DUSTPROOF PLATE UNIT
(1357A)

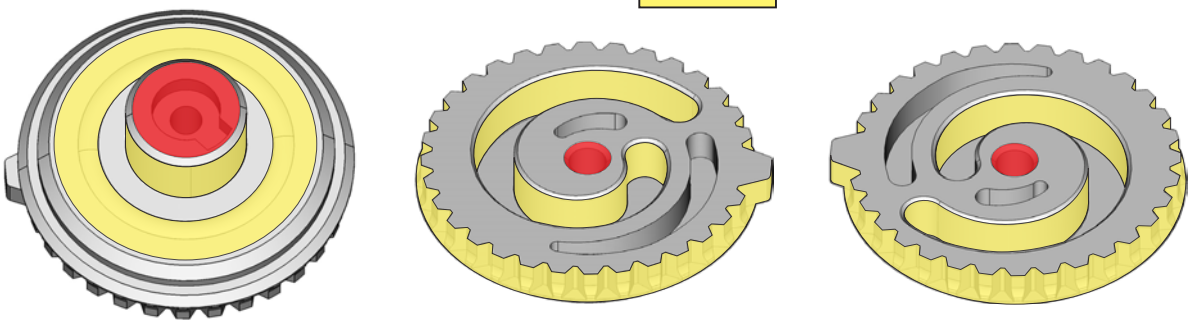

Boss
× 4
EVF
DUSTPROOF
PLATE UNIT
(1357A)


SCREW
(6A-17040FA)
× 2
EVF
DUSTPROOF
PLATE UNIT
(1357A)


EVF
BOTTOM
COVER
UNIT
(1357B)
EVF
BOTTOM
COVER
UNIT
(1357B)
Hook
× 4

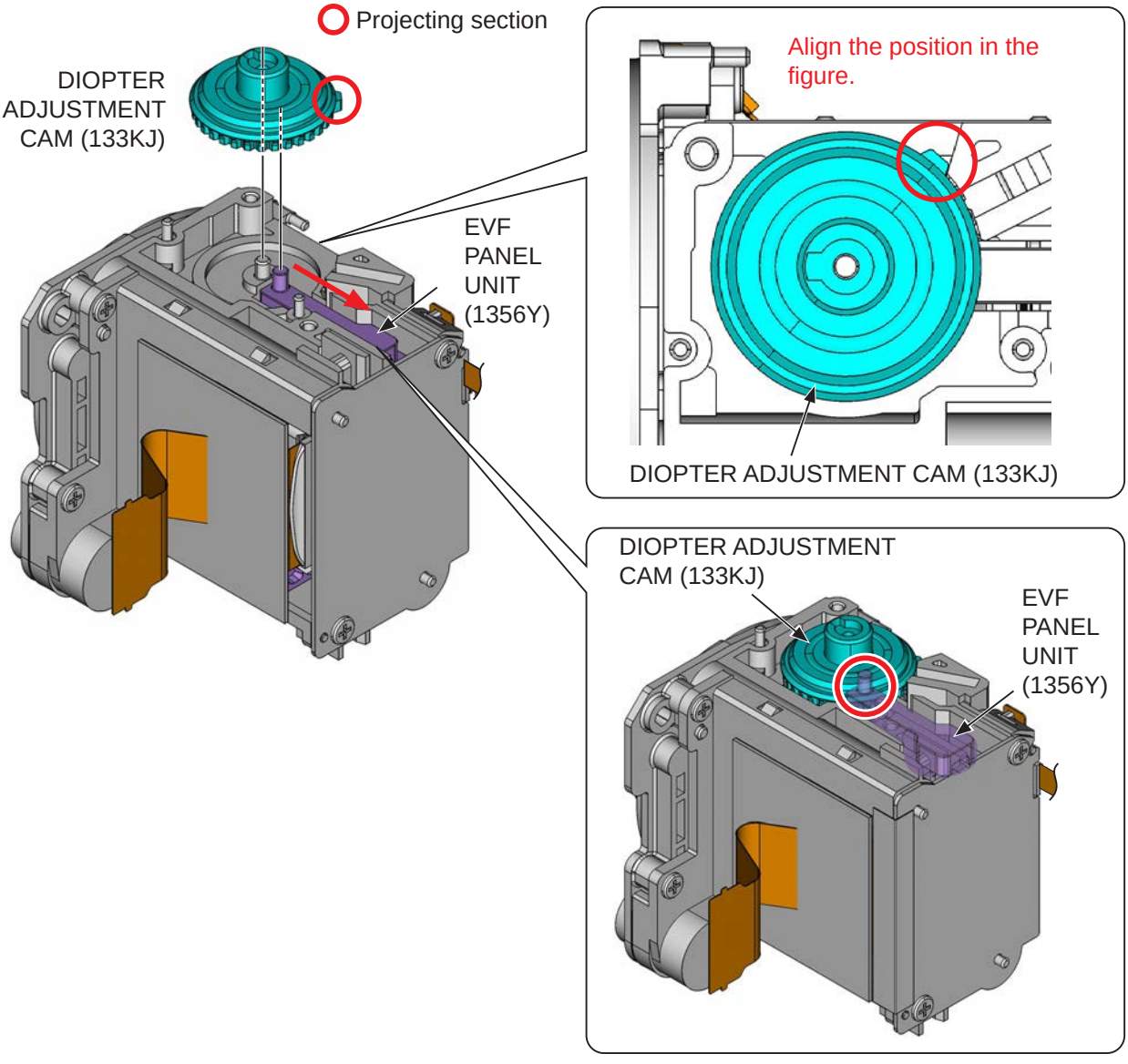

Boss
× 4

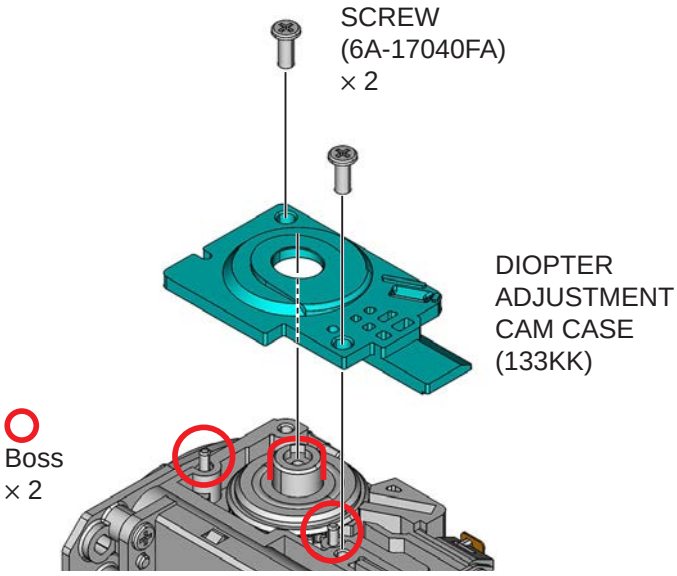
CFD409Z

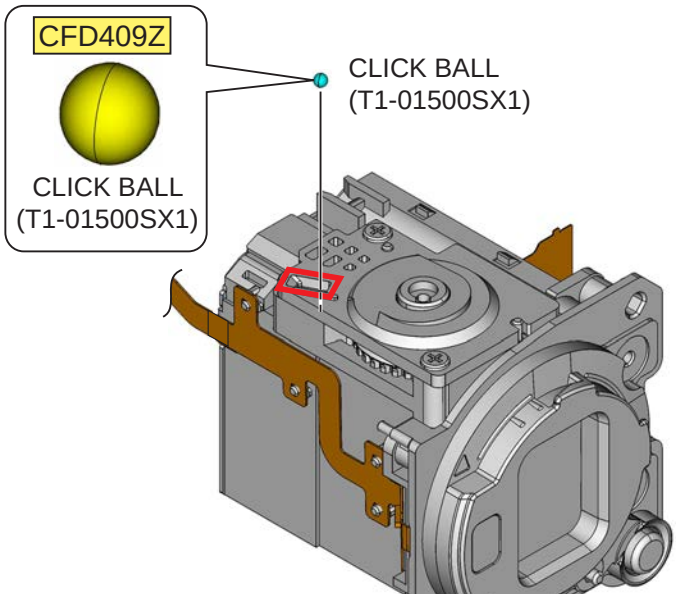


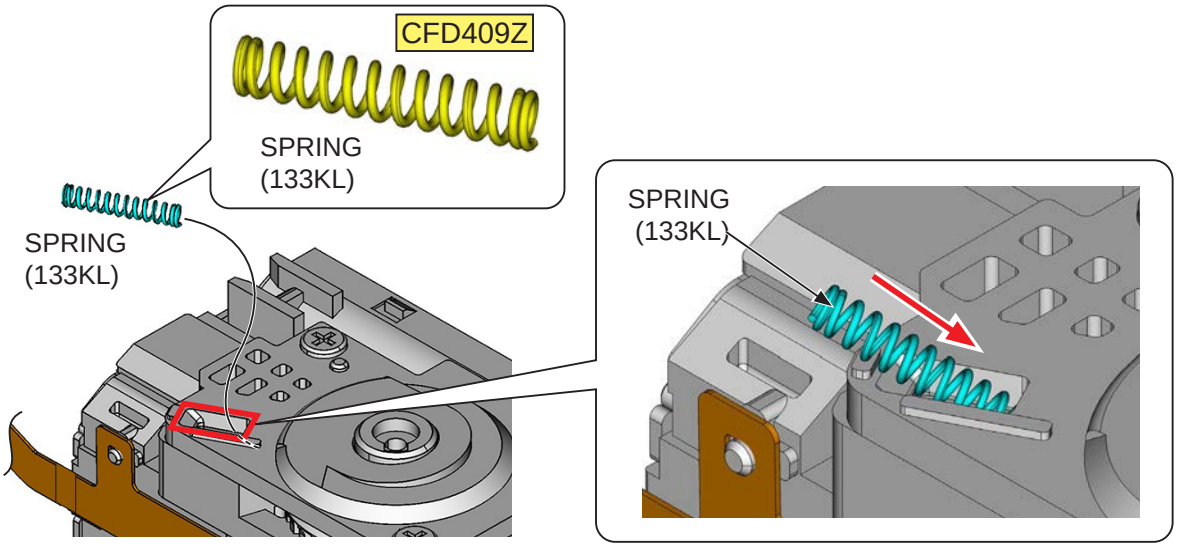
DIOPTER ADJUSTMENT CAM (133KJ)

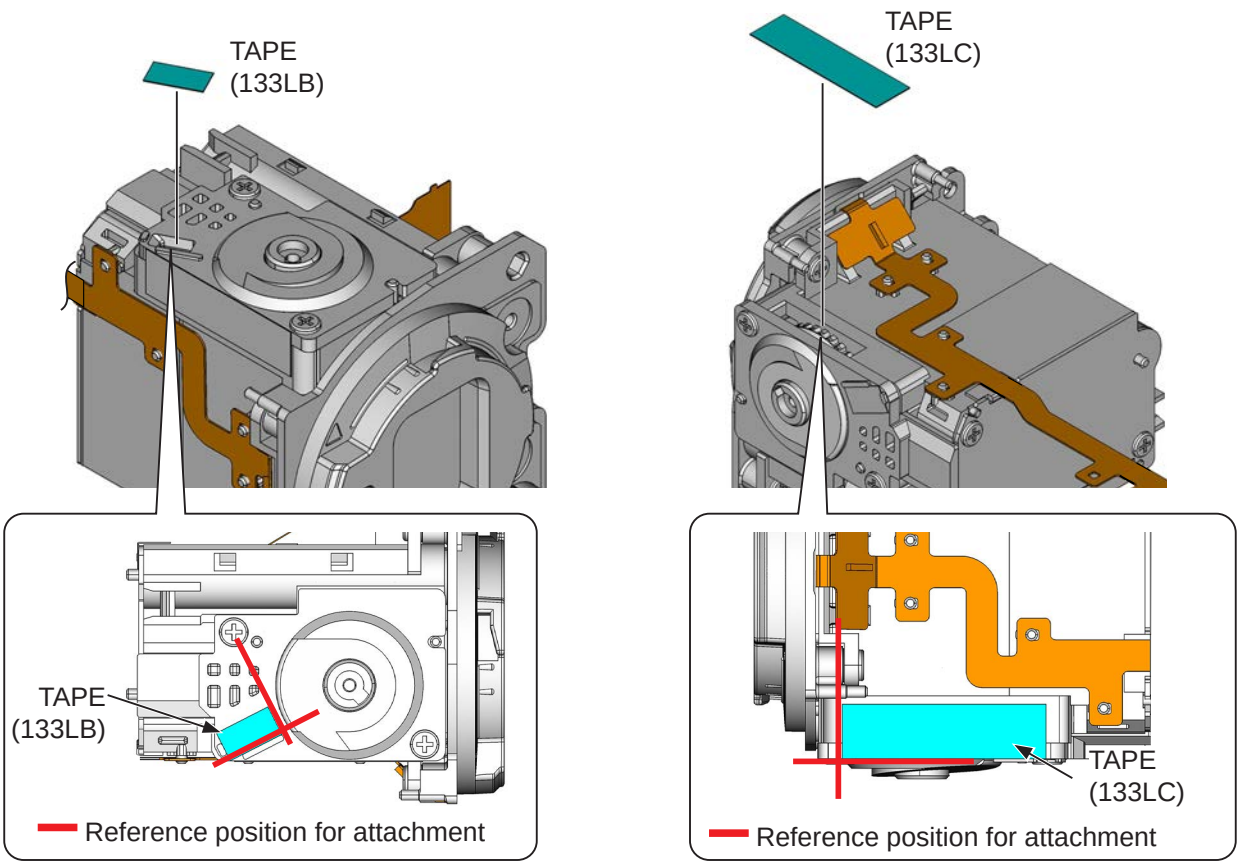
Do NOT apply to the red area.

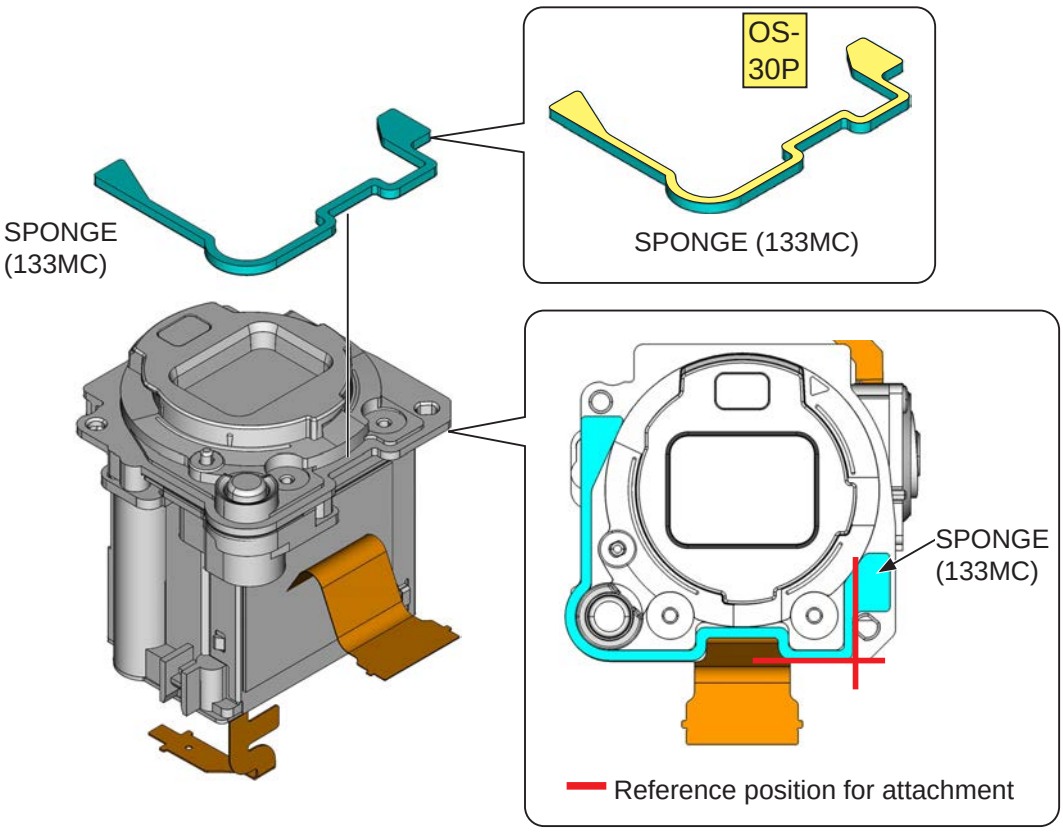


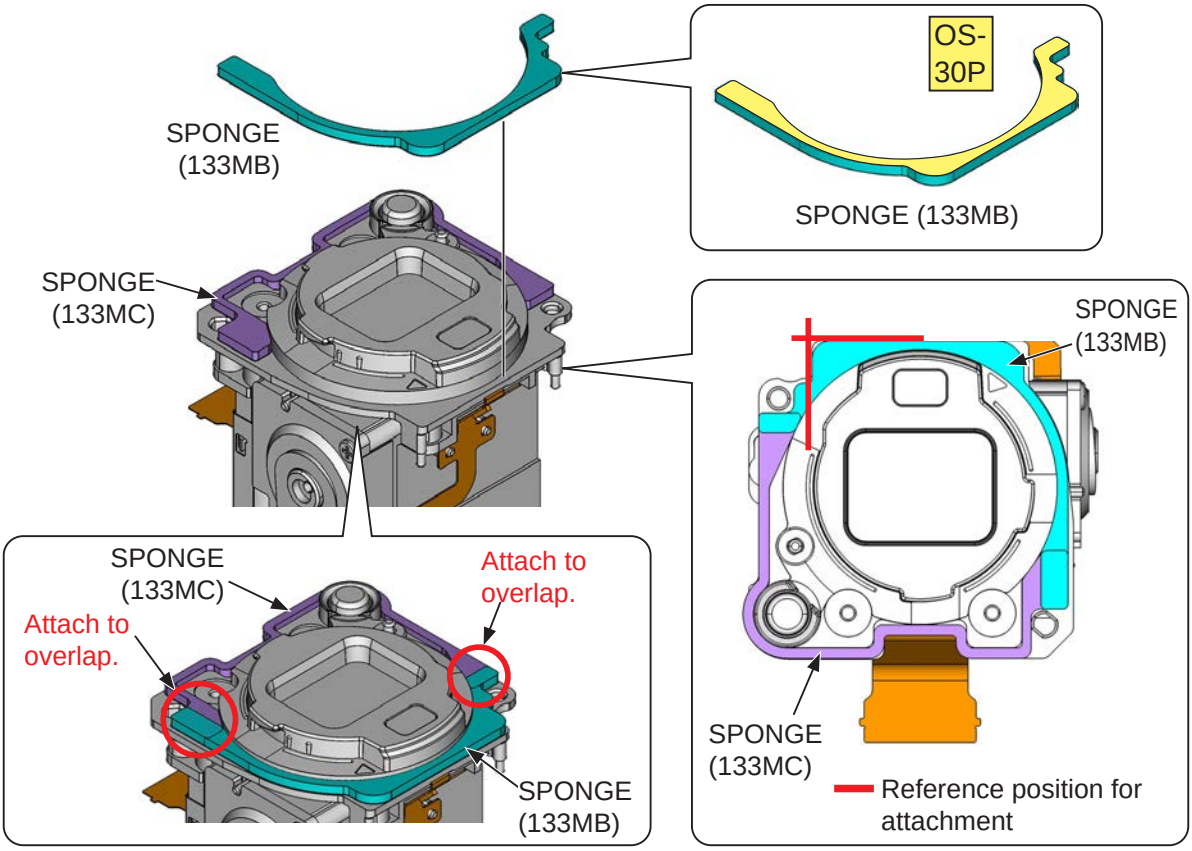

SCREW
(6A-17040FA)
× 2
DIOPTER
ADJUSTMENT
CAM CASE
(133KK)
Boss
× 2

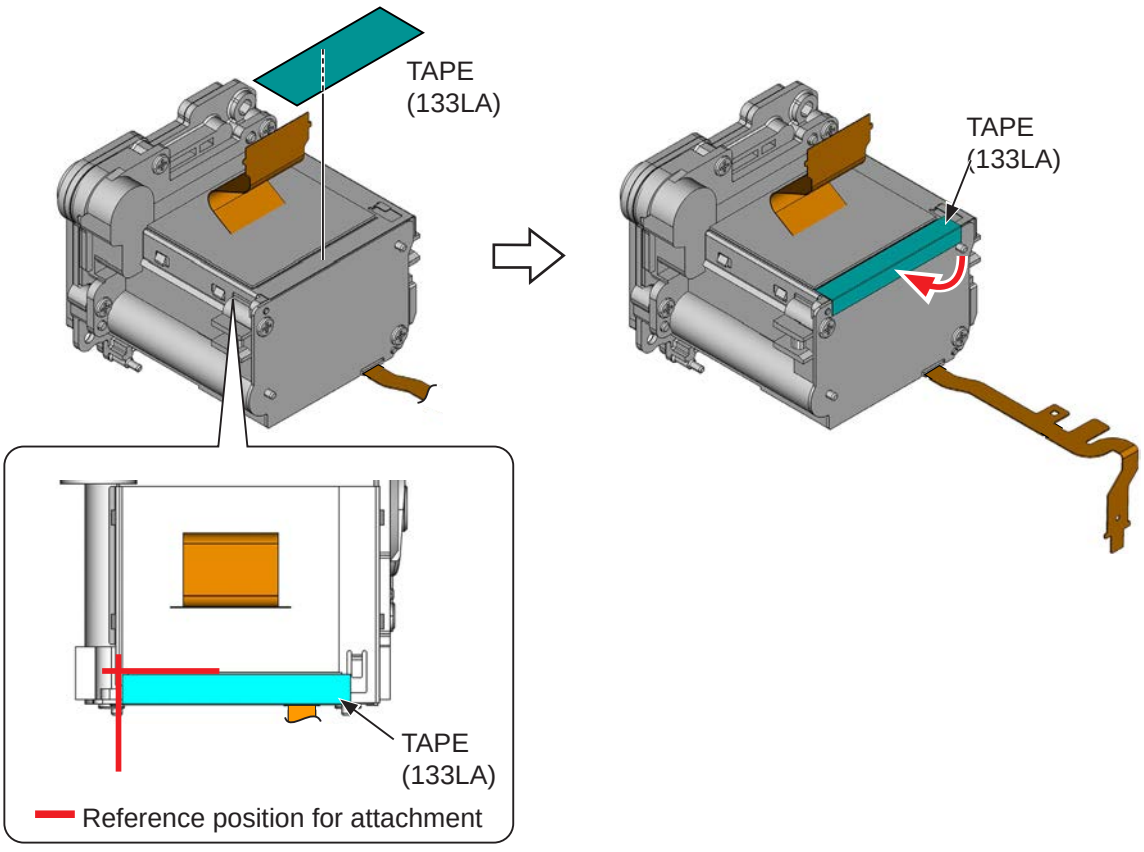

CFD409Z
CLICK BALL
(T1-01500SX1)
CLICK BALL
(T1-01500SX1)

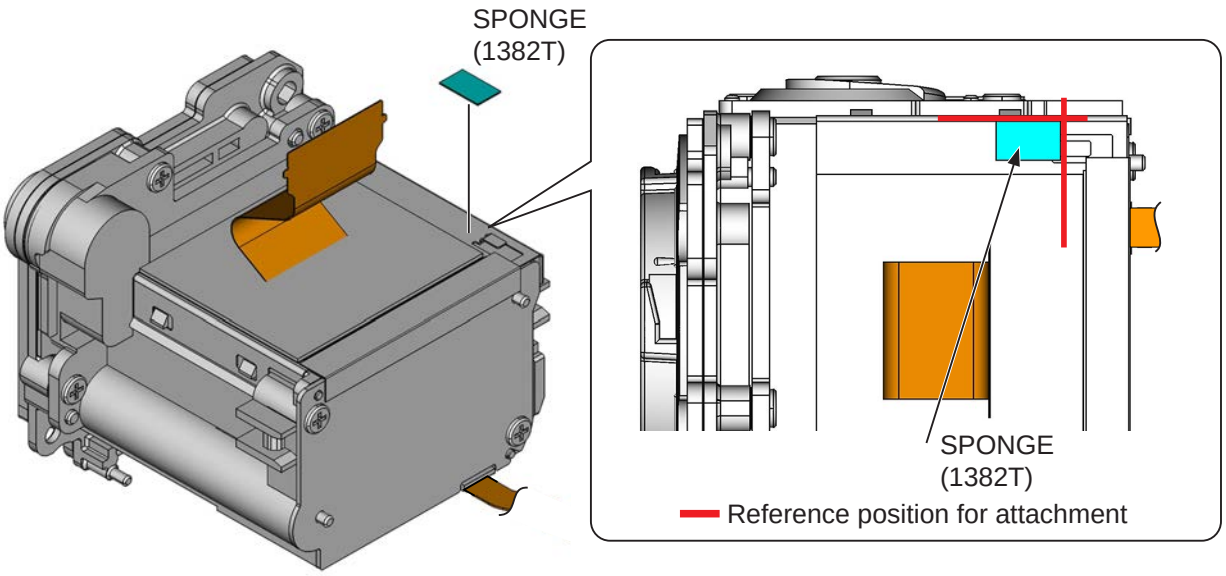

CFD409Z
SPRING
(133KL)
SPRING
(133KL)
SPRING
(133KL)

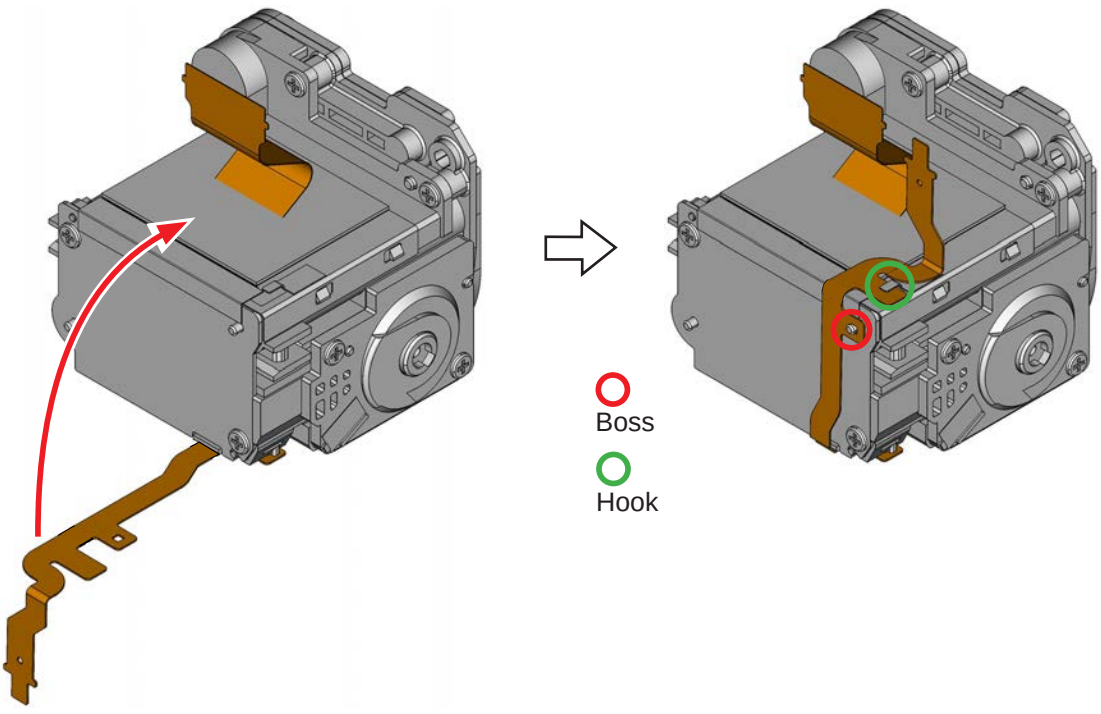

TAPE
(133LB)
TAPE
(133LC)
TAPE
(133LB)
TAPE
(133LC)
Reference position for attachment
Reference position for attachment

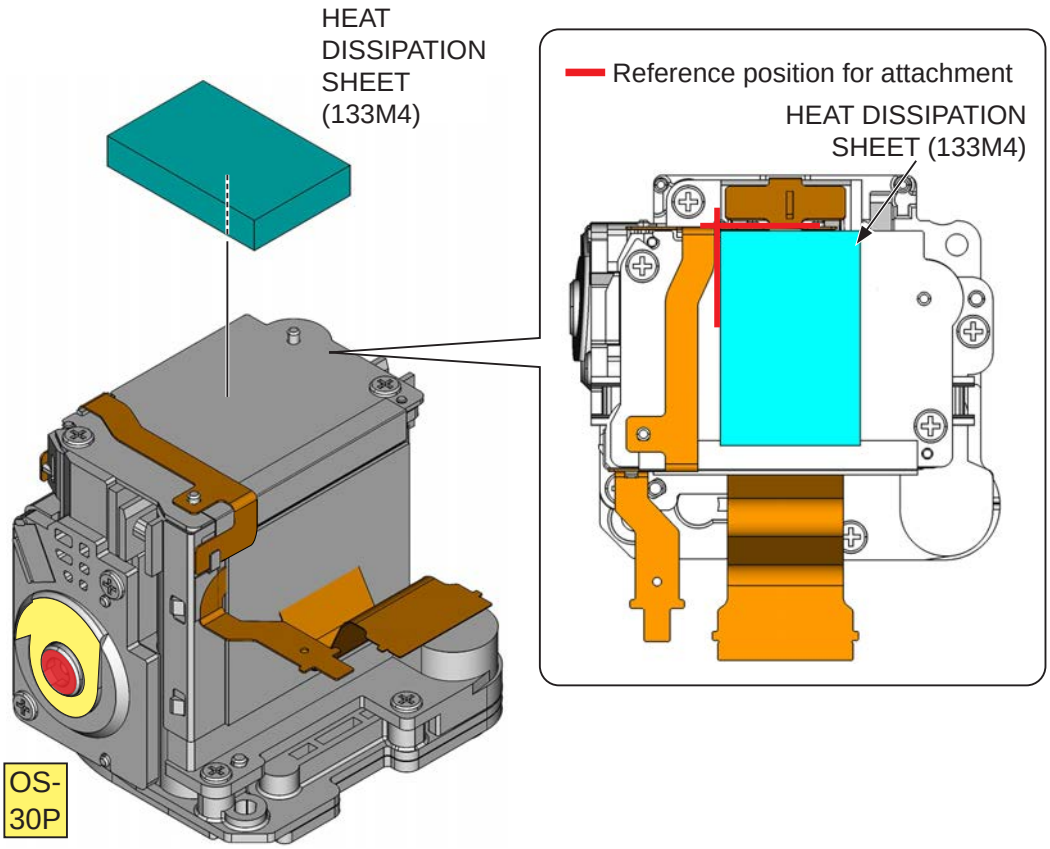

OS-
30P
SPONGE (133MC)
SPONGE
(133MC)
SPONGE
(133MC)
Reference position for attachment


SPONGE
(133MB)
OS-
30P
SPONGE (133MB)
SPONGE
(133MC)
SPONGE
(133MB)
SPONGE
(133MC)
Attach to
overlap.
Attach to
overlap.
SPONGE
(133MB)
SPONGE
(133MC)
Reference position for
attachment


TAPE
(133LA)
TAPE
(133LA)
TAPE
(133LA)
Reference position for attachment


SPONGE
(1382T)
SPONGE
(1382T)
Reference position for attachment

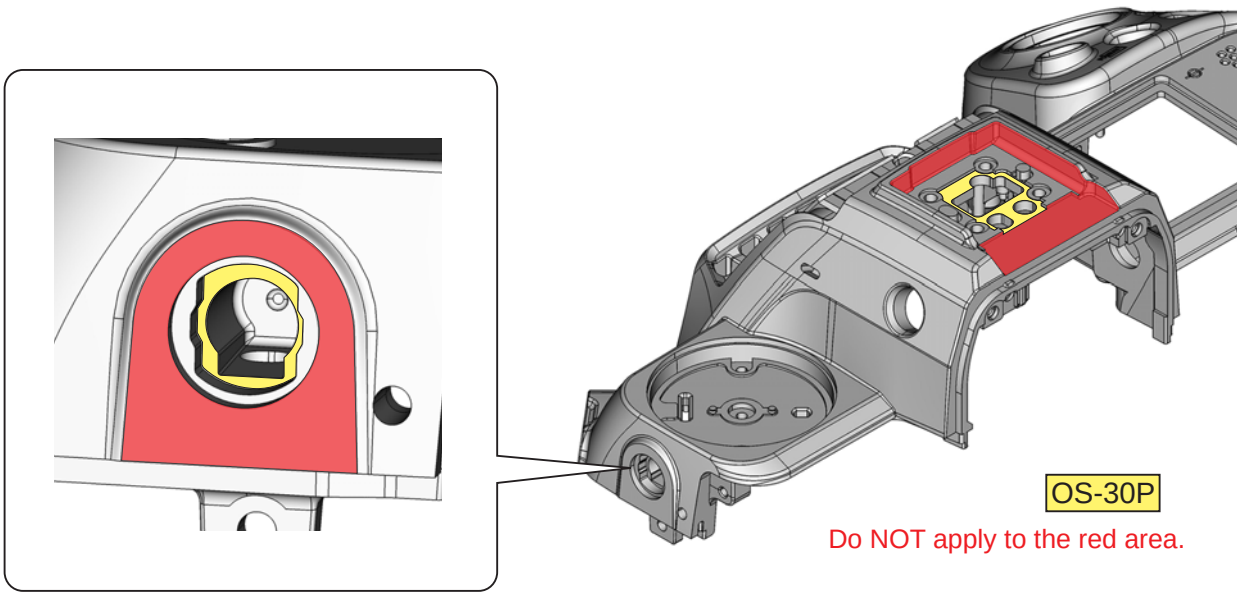

Boss
Hook

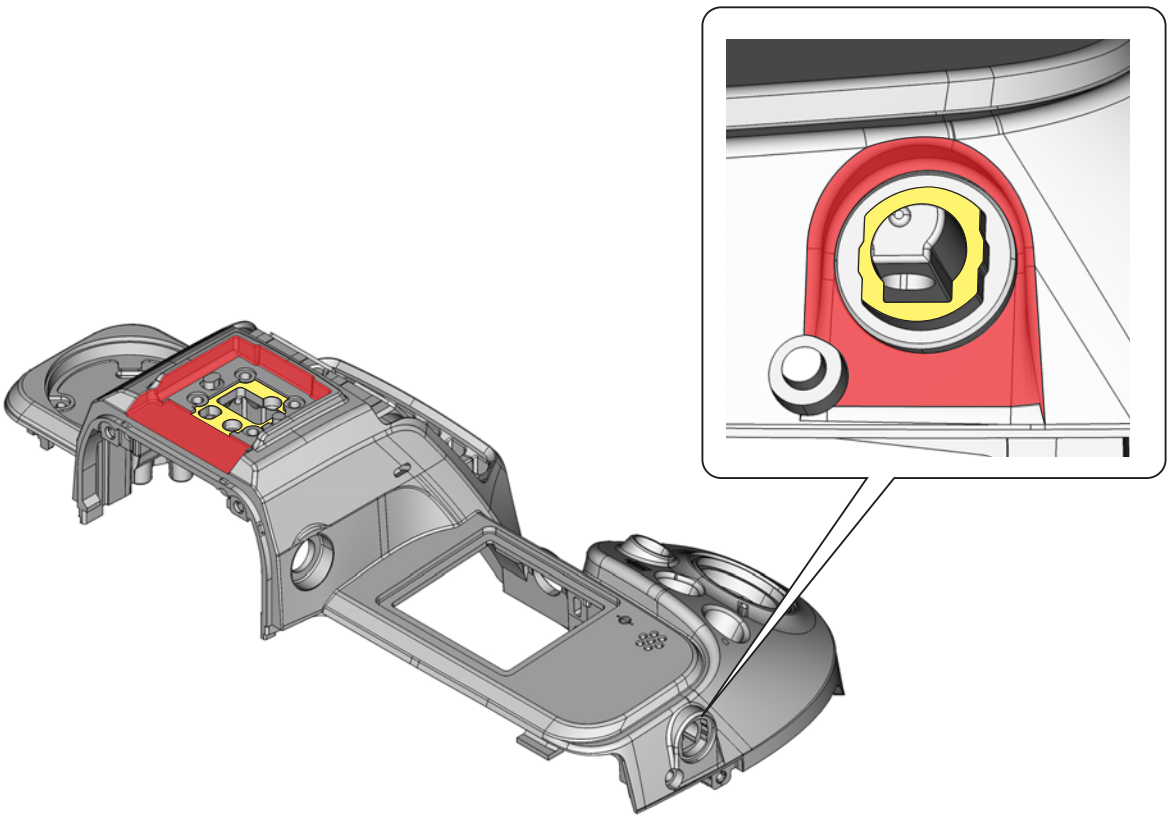


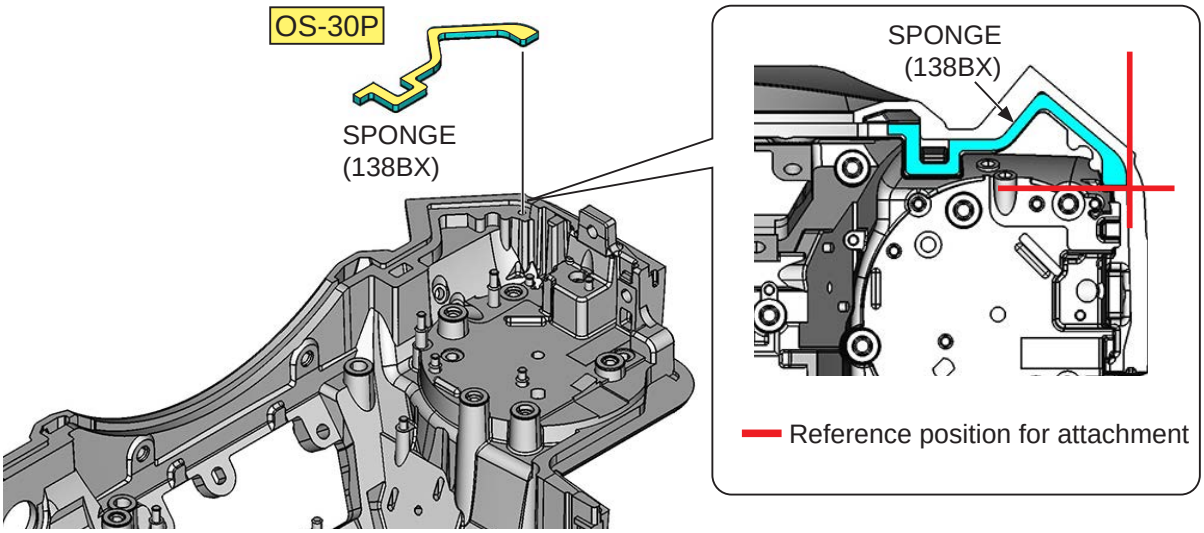
Do NOT apply to the red area.

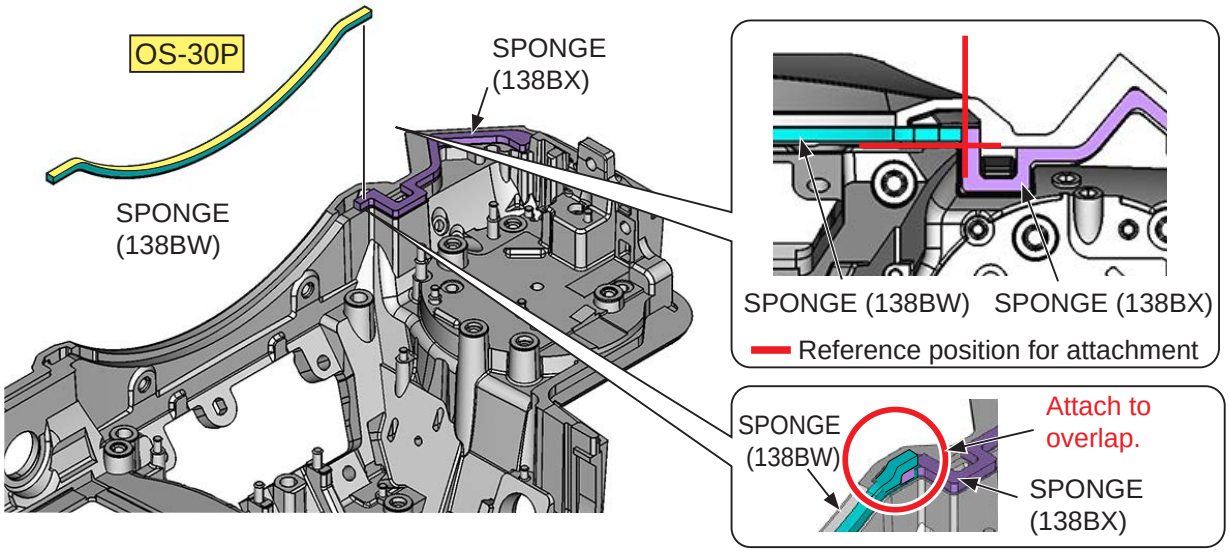
3. Top cover

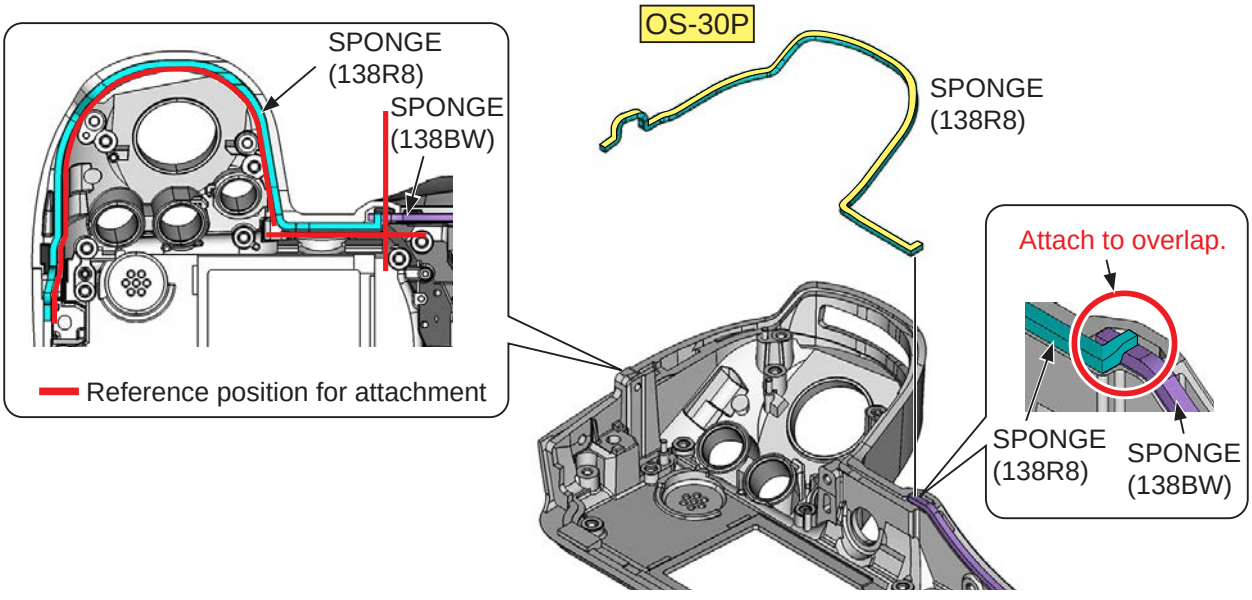
TOP COVER UNIT

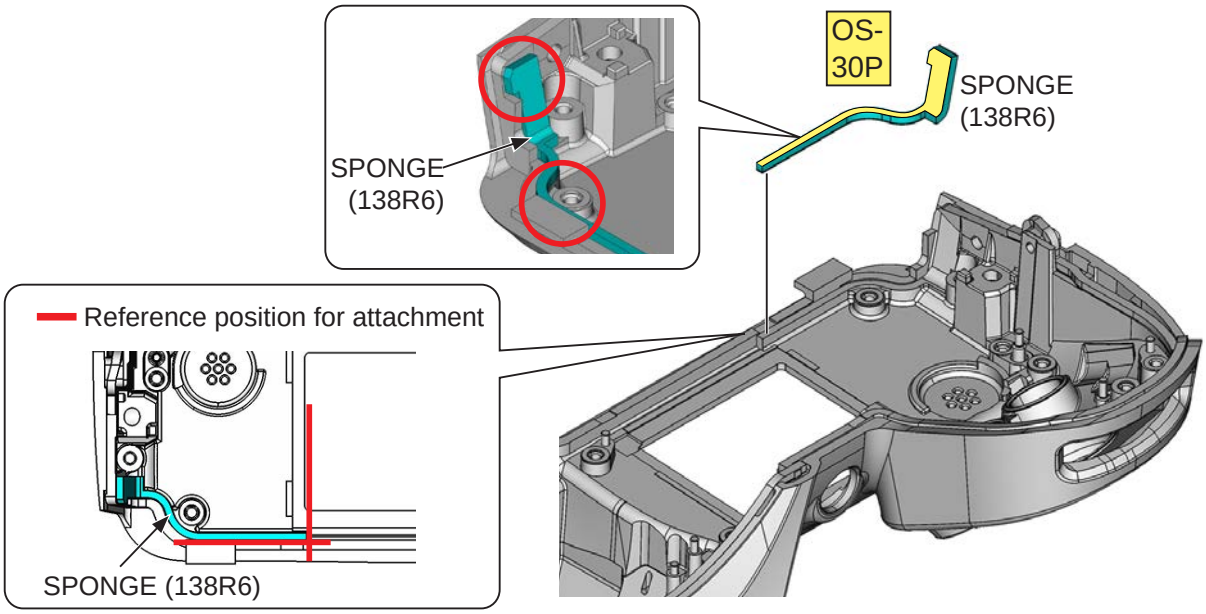


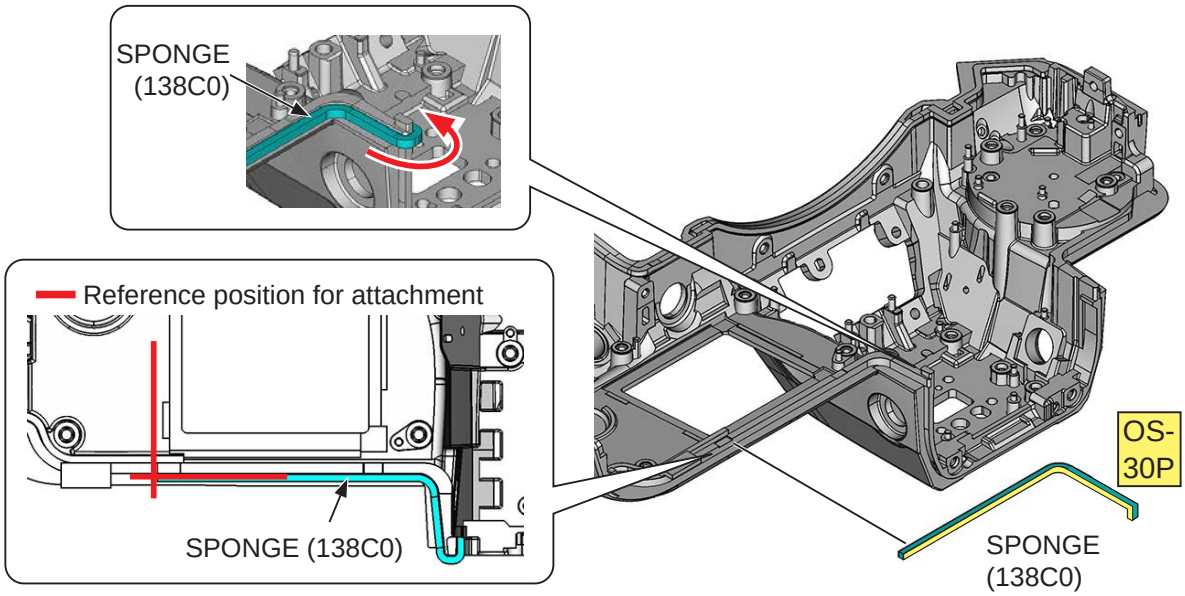


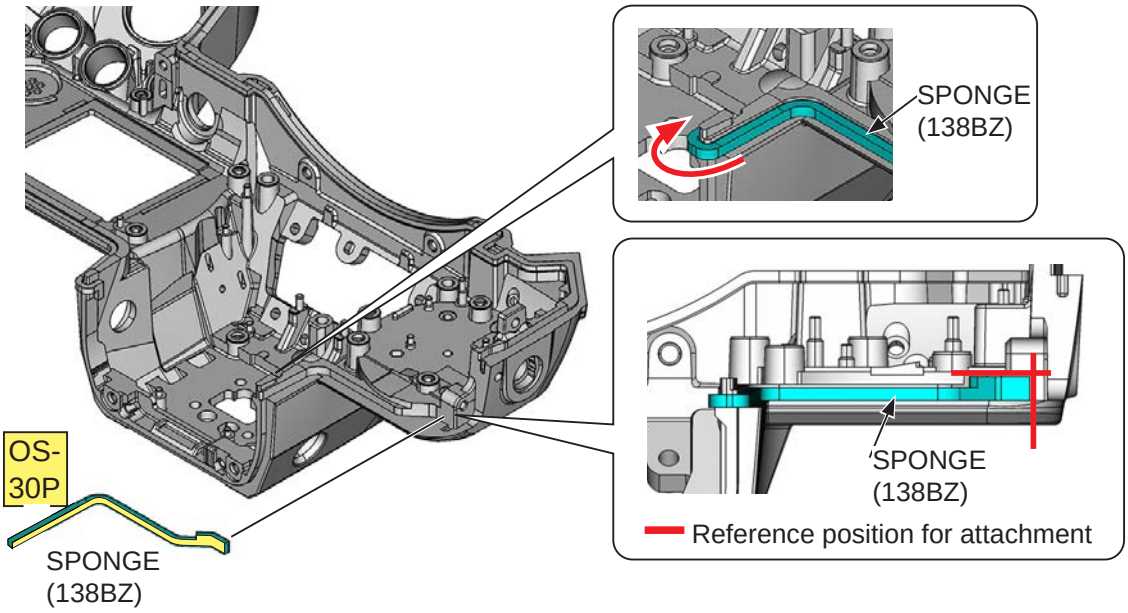

OS-30P
SPONGE
(138BX)
SPONGE
(138BX)
Reference position for attachment

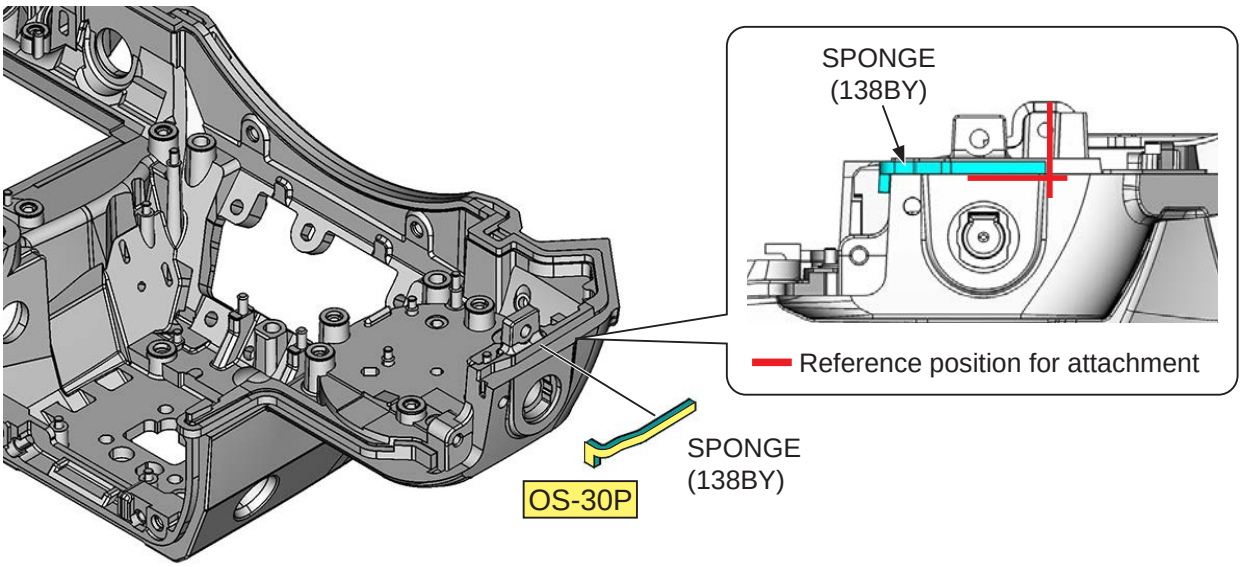

OS-30P
SPONGE
(138BX)
SPONGE
(138BW)
SPONGE (138BW)
SPONGE (138BX)
Reference position for attachment
SPONGE
(138BW)
Attach to
overlap.
SPONGE
(138BX)

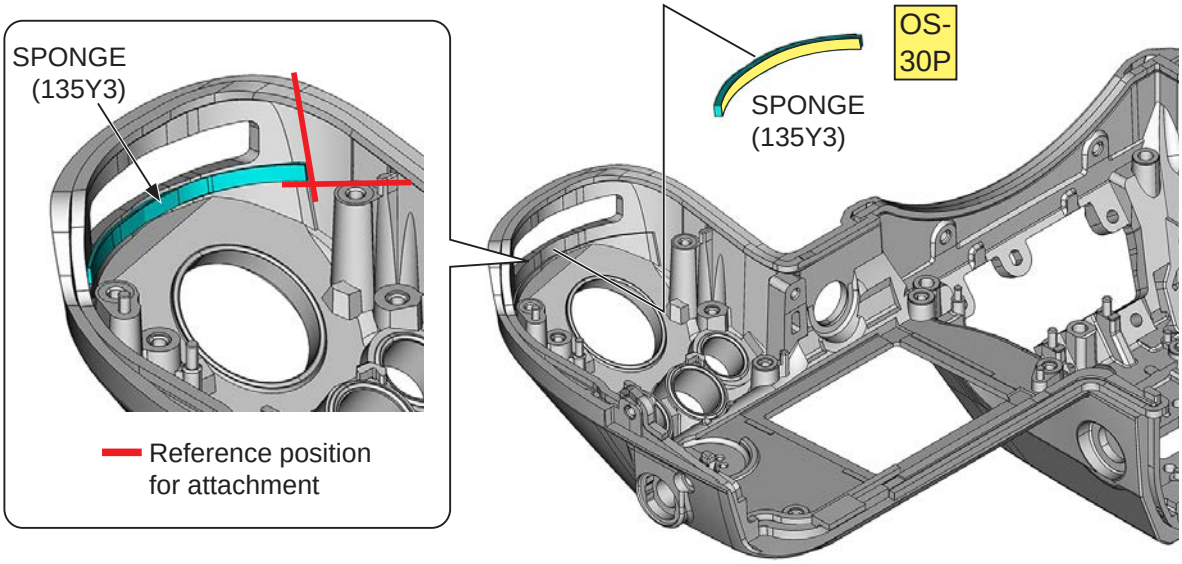

SPONGE
(138R8)
SPONGE
(138BW)
Reference position for attachment
OS-30P
SPONGE
(138R8)
Attach to overlap.
SPONGE
(138R8)
SPONGE
(138BW)

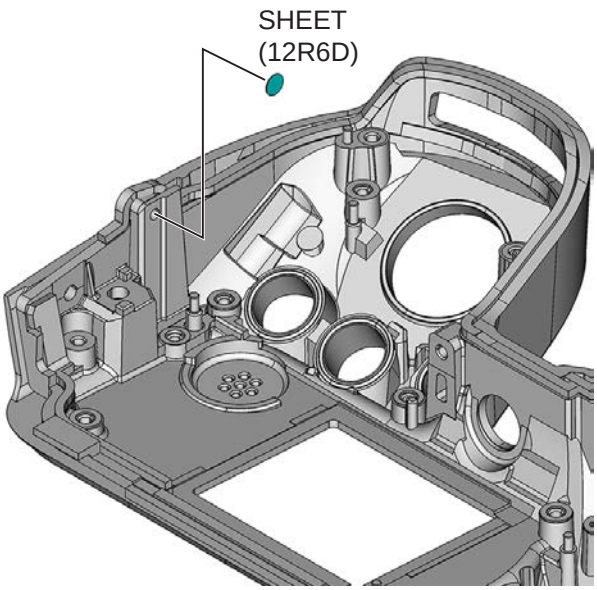

OS-
30P
SPONGE
(138R6)
SPONGE
(138R6)
Reference position for attachment
SPONGE (138R6)

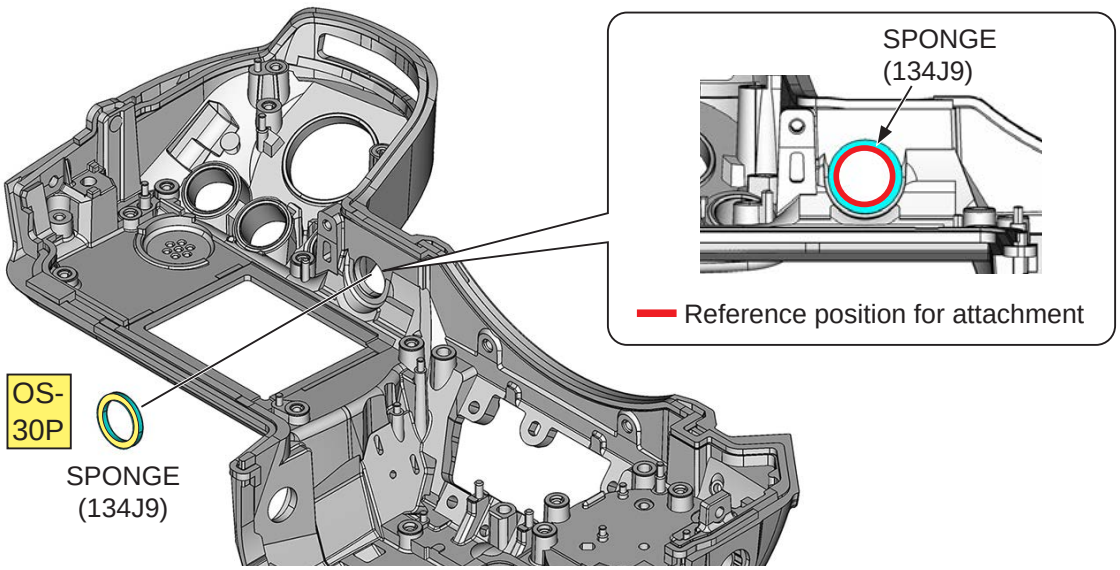

SPONGE
(138C0)
Reference position for attachment
SPONGE (138C0)
OS-
30P
SPONGE
(138C0)

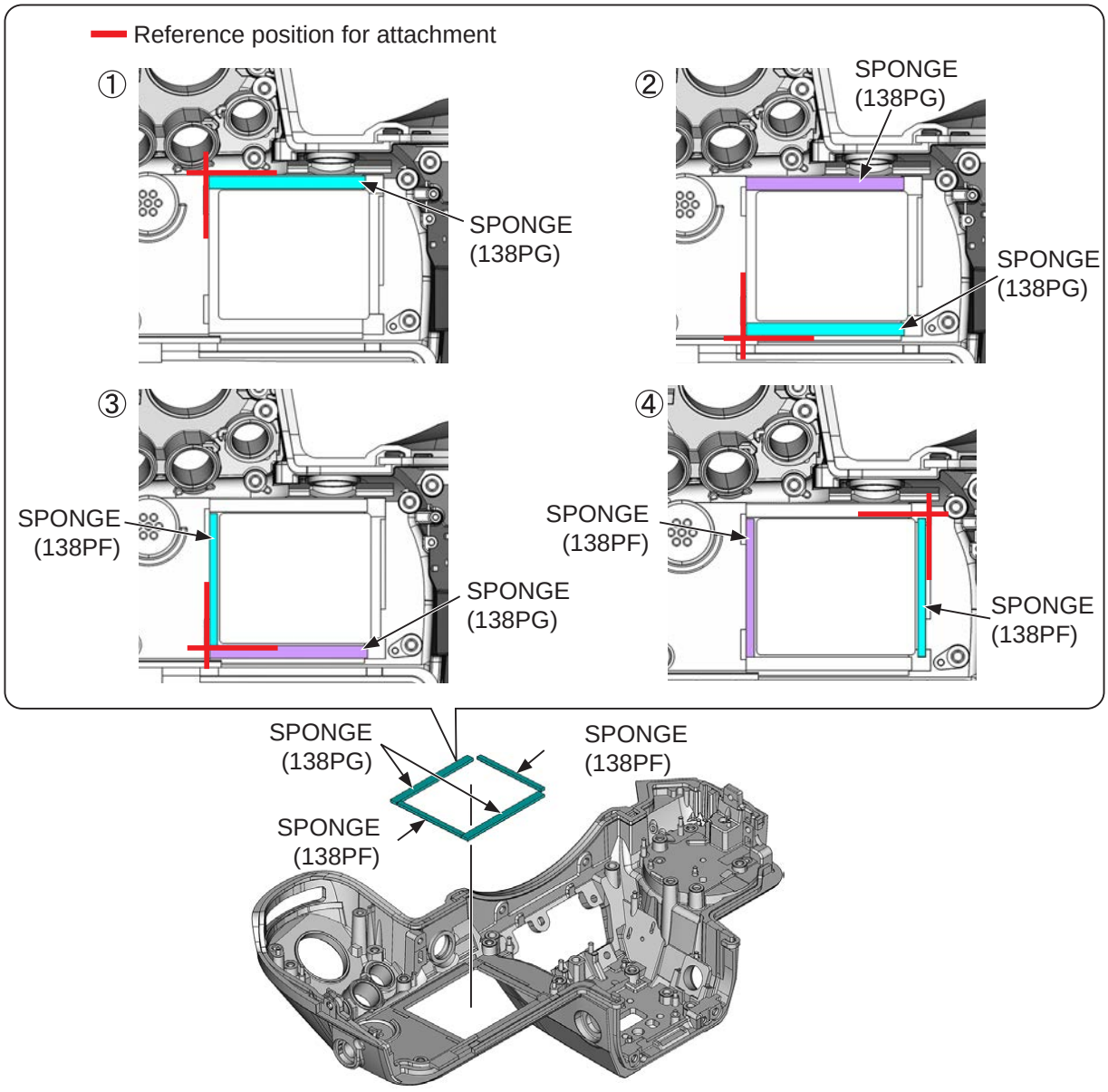

SPONGE
(138BZ)
OS-
30P
SPONGE
(138BZ)
SPONGE
(138BZ)
Reference position for attachment

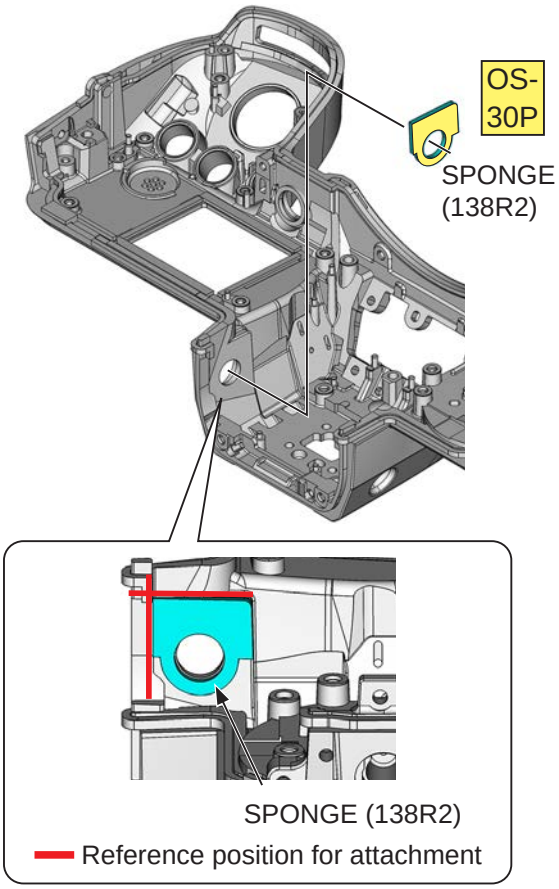

SPONGE
(138BY)
Reference position for attachment
SPONGE
(138BY)
OS-30P

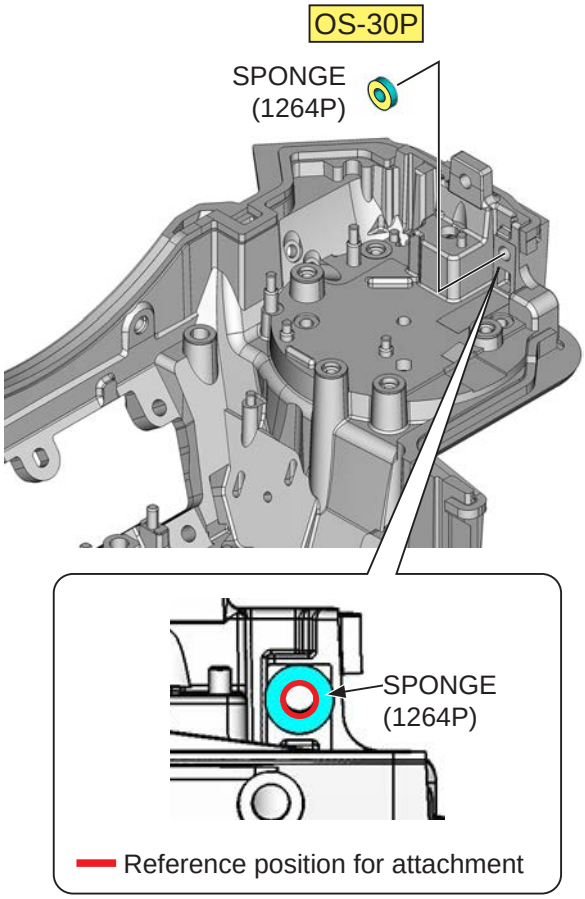

SPONGE
(135Y3)
Reference position
for attachment
OS-
30P
SPONGE
(135Y3)

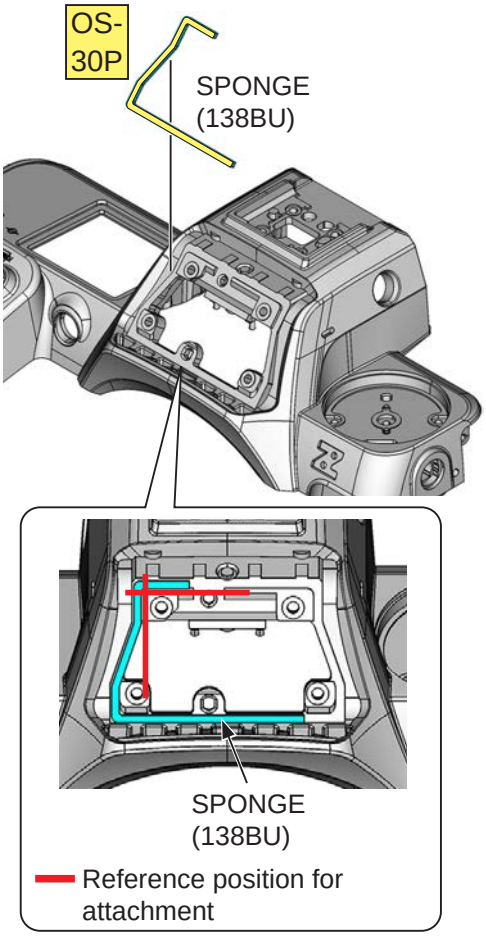

SHEET
(12R6D)

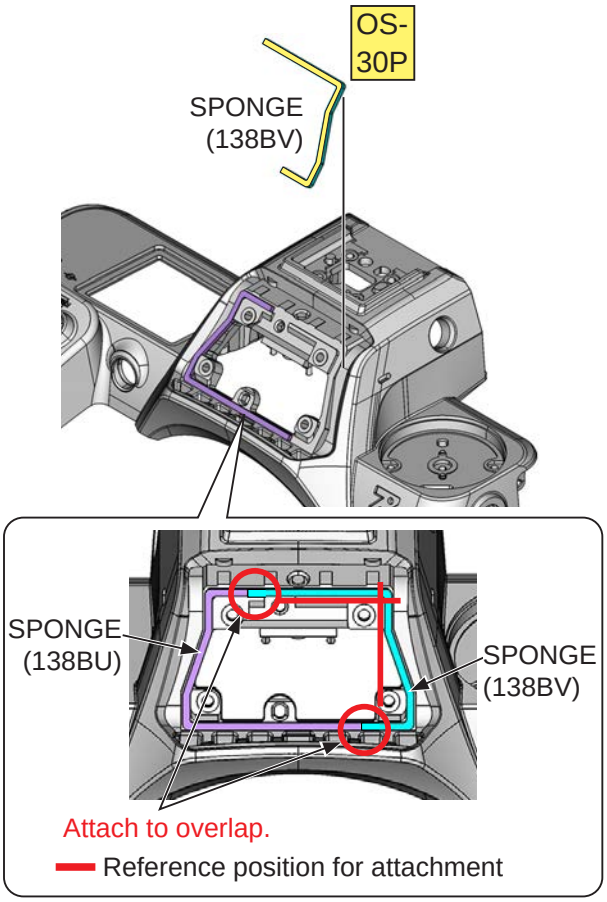

SPONGE
(134J9)
Reference position for attachment
OS-
30P
SPONGE
(134J9)

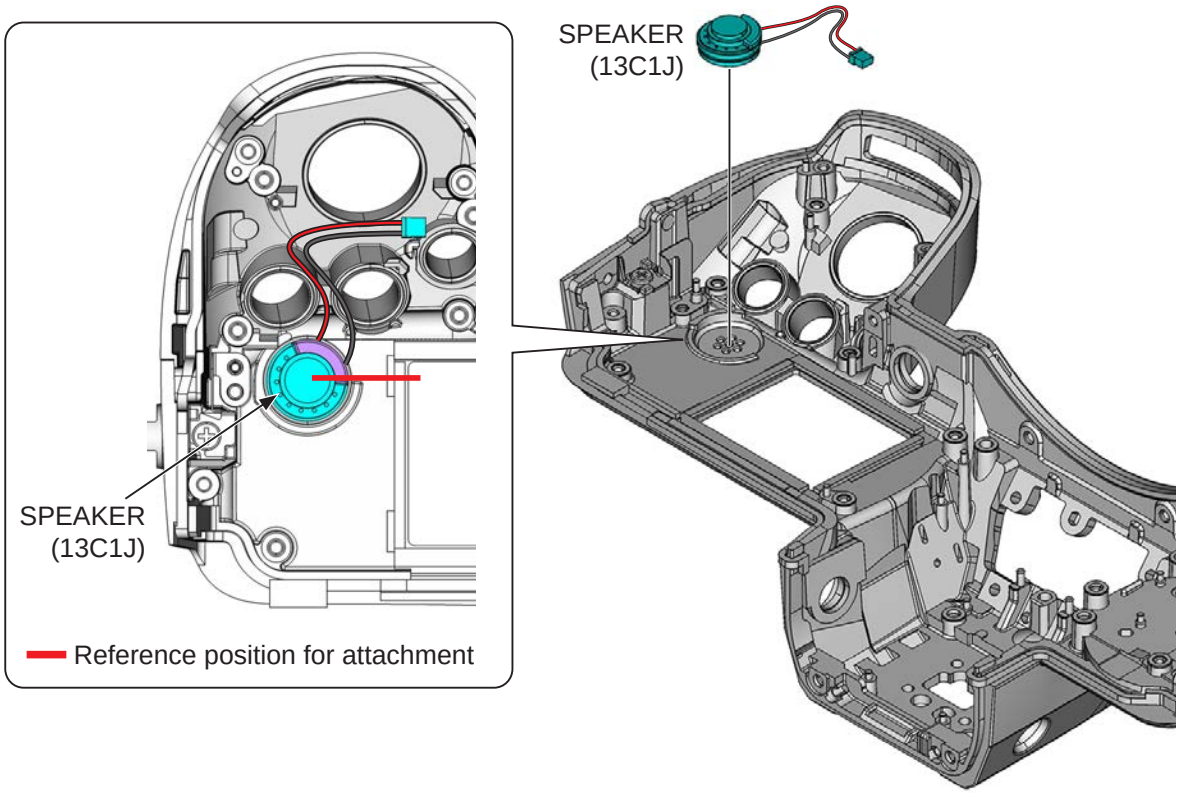

Reference position for attachment
①
SPONGE
(138PG)
②
SPONGE
(138PG)
SPONGE
(138PG)
③
SPONGE
(138PF)
SPONGE
(138PG)
④
SPONGE
(138PF)
SPONGE
(138PF)
SPONGE
(138PG)
SPONGE
(138PF)
SPONGE
(138PG)
SPONGE
(138PF)


OS-30P
SPONGE (138R2)
SPONGE (138R2)
Reference position for attachment

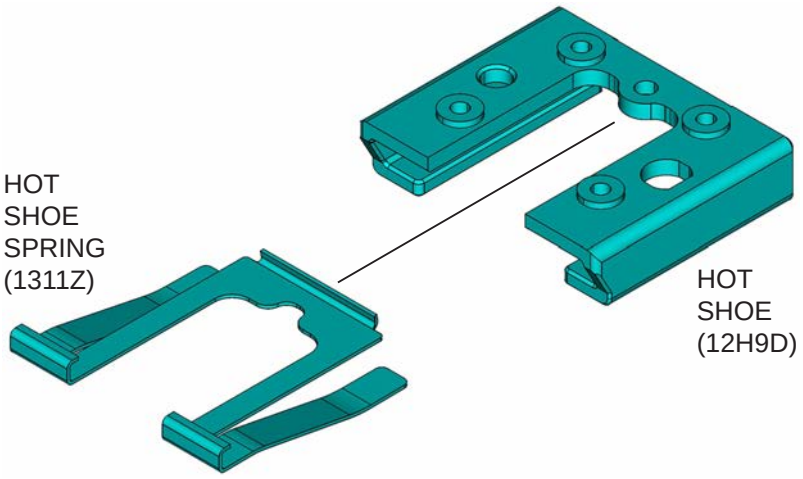

OS-30P
SPONGE (1264P)
SPONGE (1264P)
Reference position for attachment

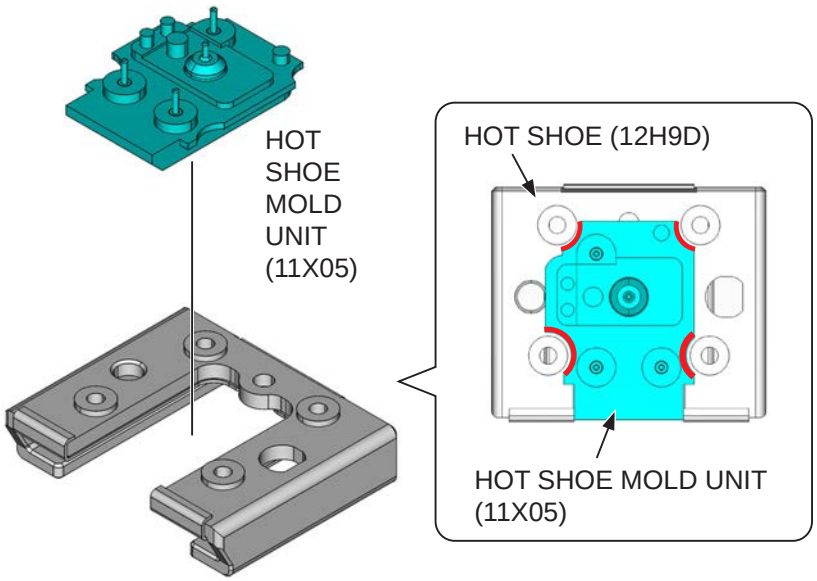

OS-30P
SPONGE (138BU)
SPONGE (138BU)
Reference position for attachment

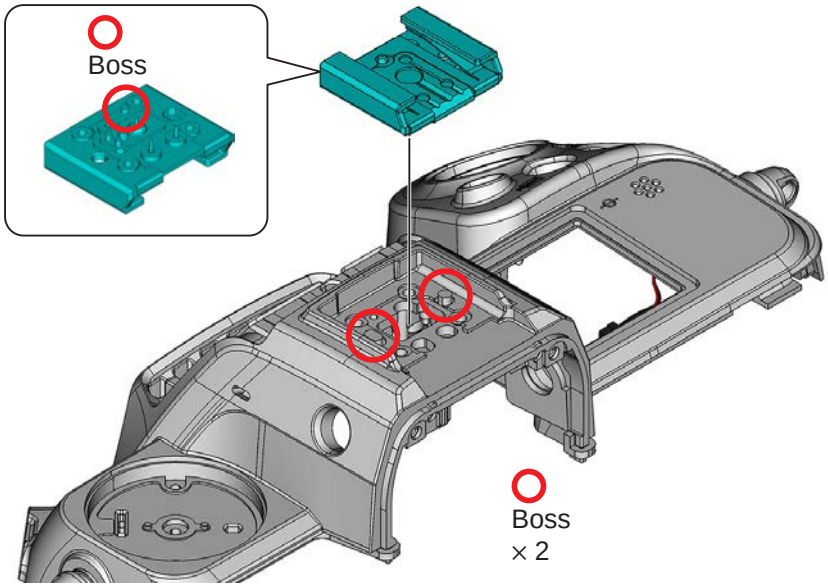

OS-30P
SPONGE (138BV)
SPONGE (138BU)
SPONGE (138BV)
Attach to overlap.
Reference position for attachment


SPEAKER
(13C1J)
SPEAKER
(13C1J)
Reference position for attachment

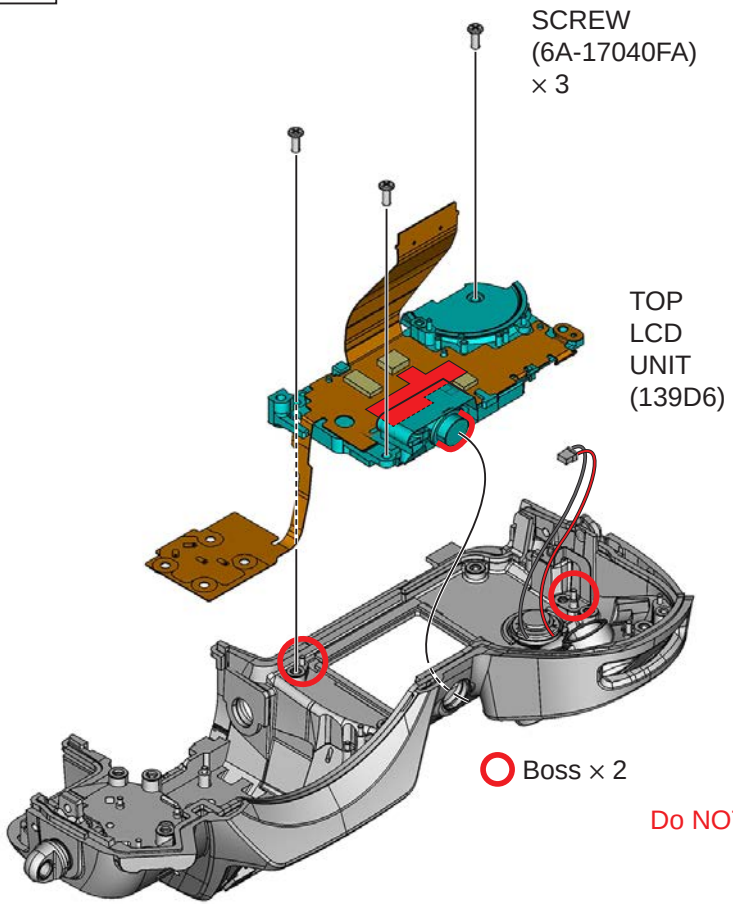
SHOE MOLD UNIT

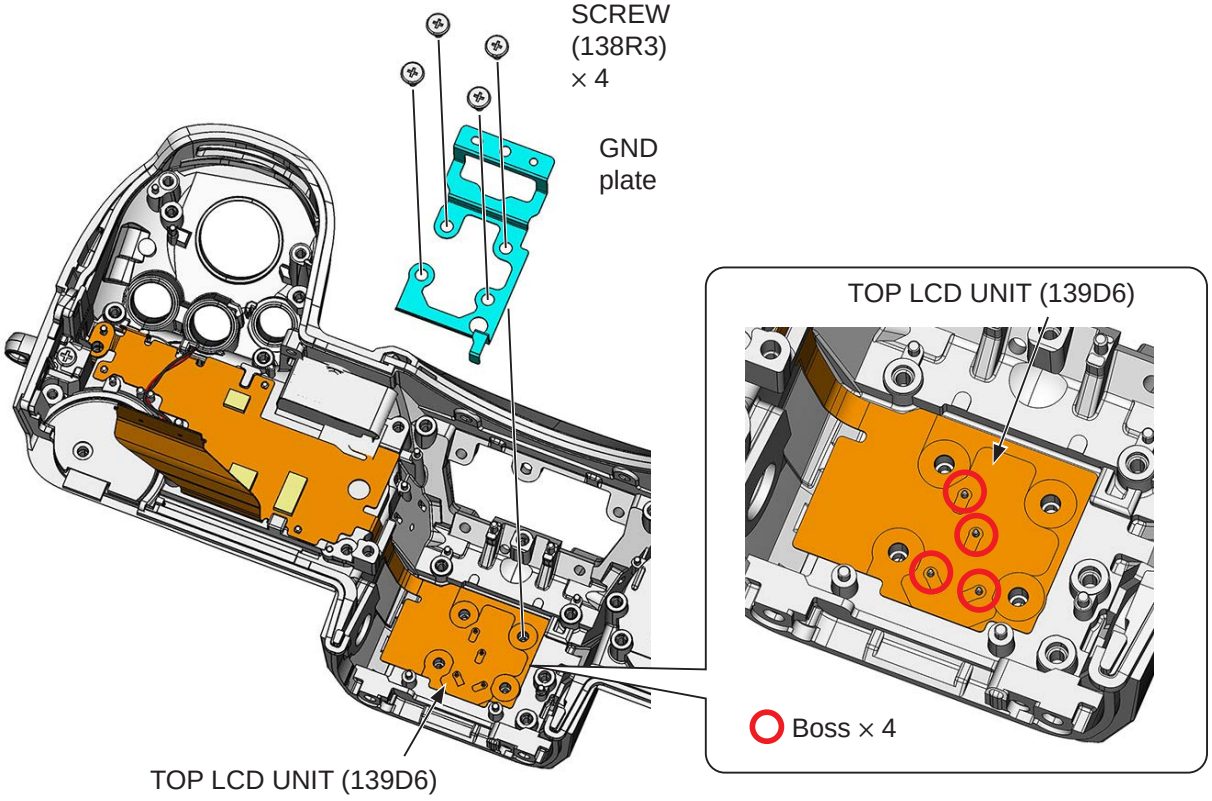


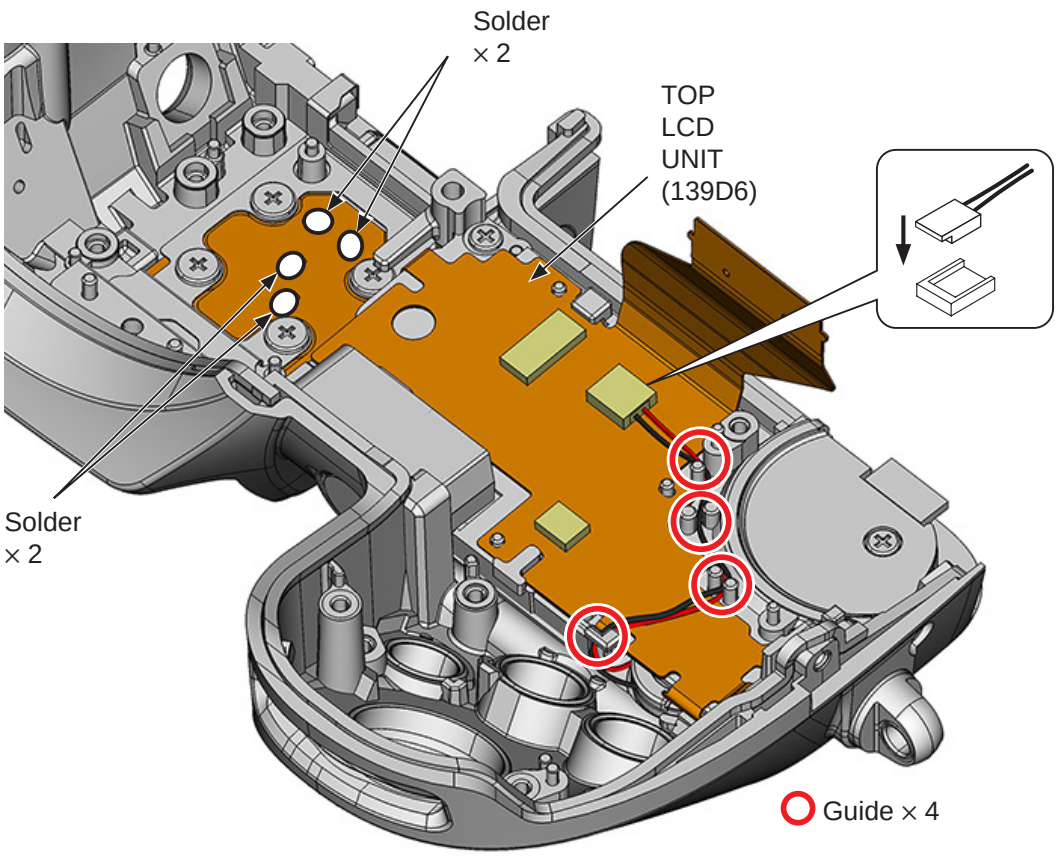




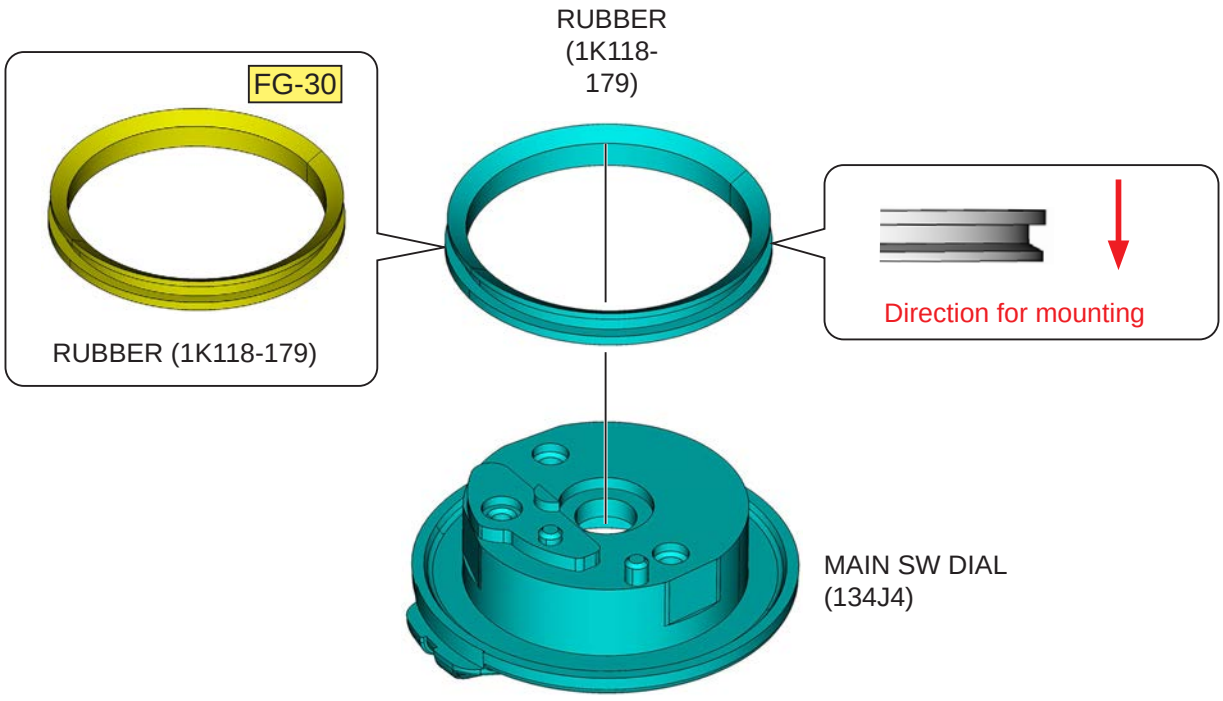
TOP LCD UNIT

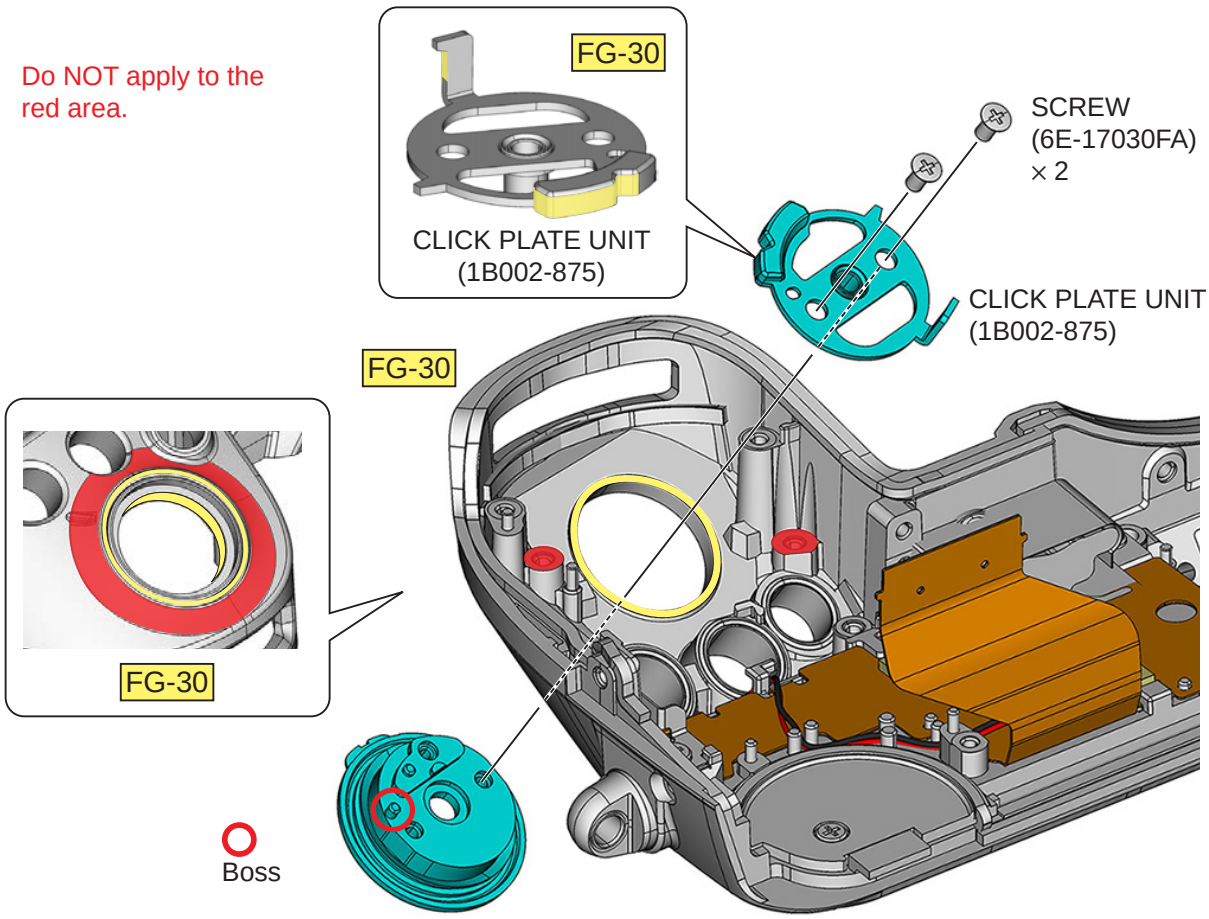

SCREW
(6A-17040FA)
× 3
TOP
LCD
UNIT
(139D6)
Boss × 2
Do NOT touch red area.

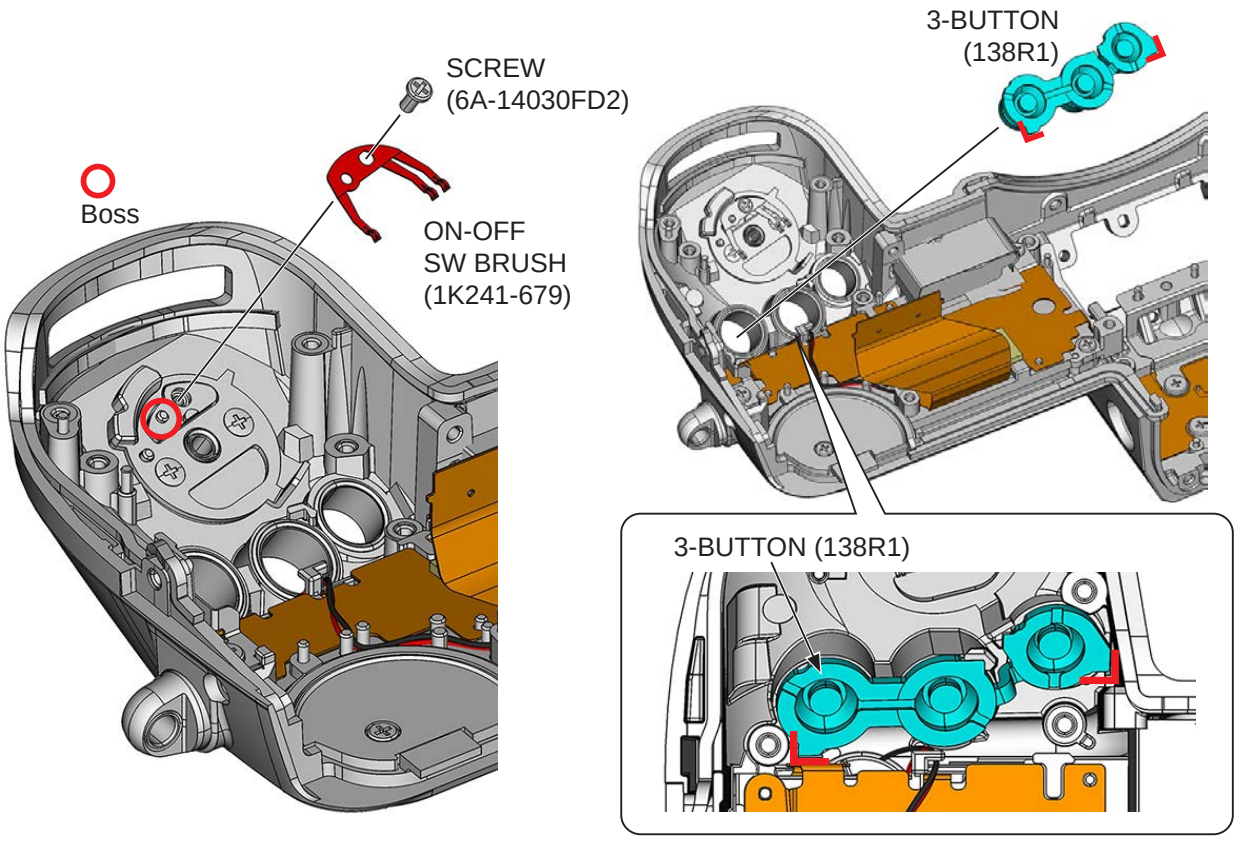

SCREW
(138R3)
× 4
GND
plate
TOP LCD UNIT (139D6)
TOP LCD UNIT (139D6)
Boss × 4


Solder
× 2
TOP
LCD
UNIT
(139D6)
Solder
× 2
Guide × 4

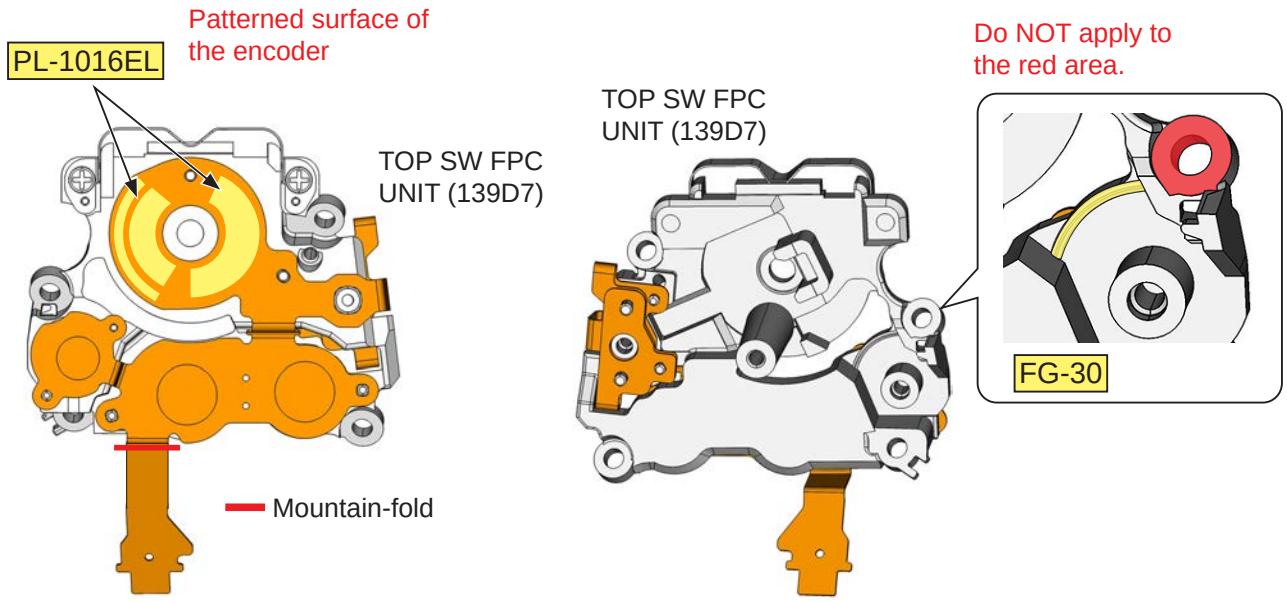
MAIN SW DIAL

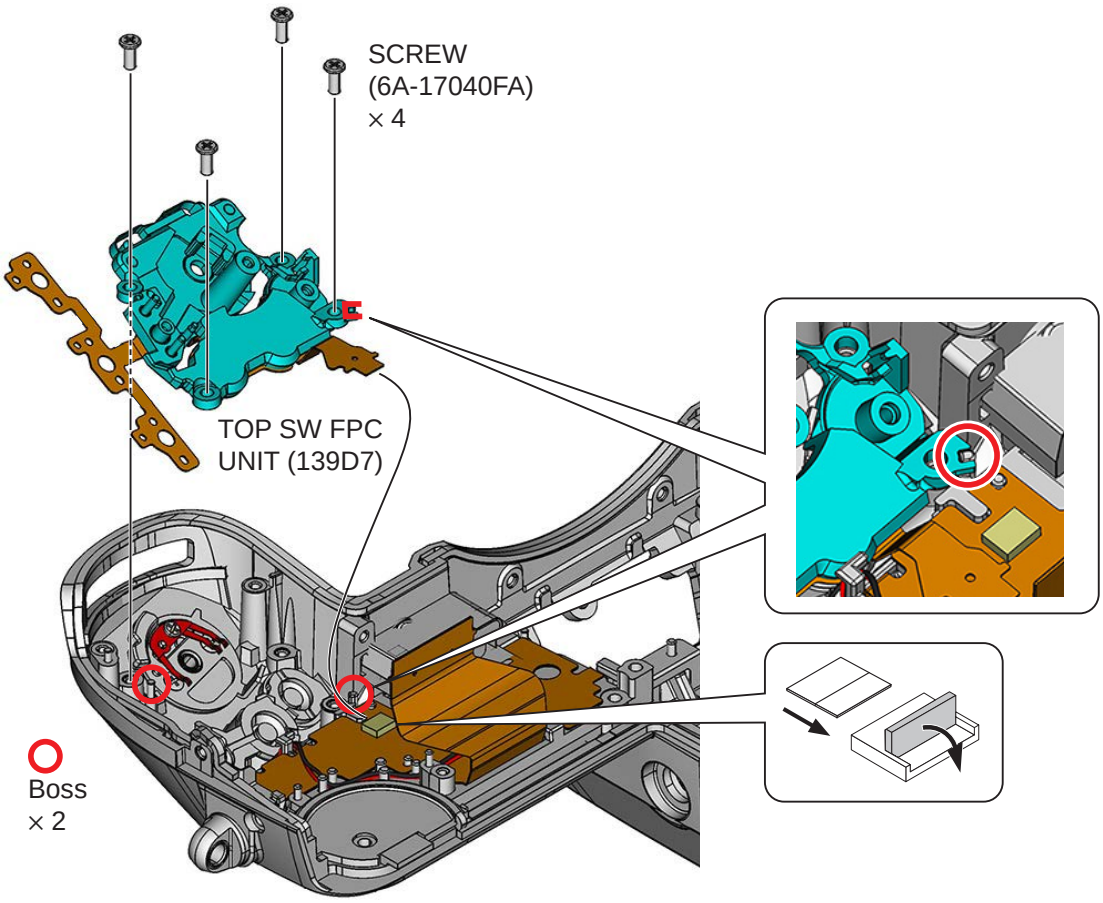

RUBBER
(1K118-
179)
FG-30
RUBBER (1K118-179)
Direction for mounting
MAIN SW DIAL
(134J4)

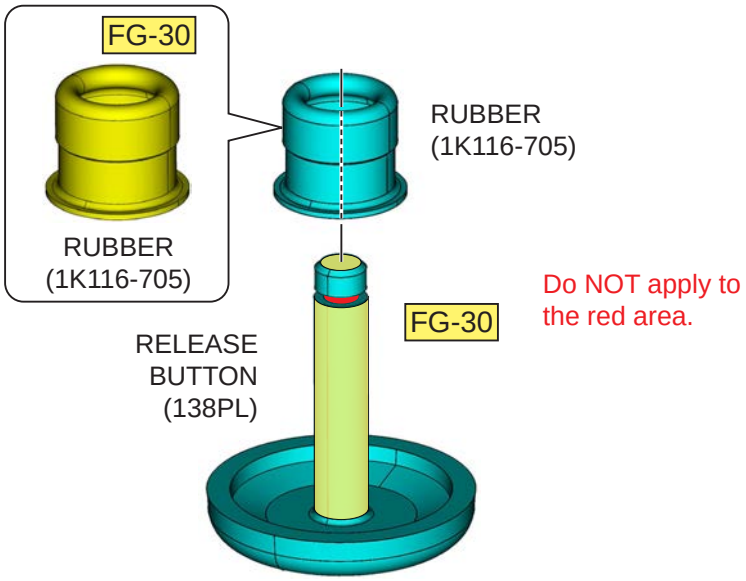

Do NOT apply to the red area.
FG-30
CLICK PLATE UNIT (1B002-875)
SCREW (6E-17030FA) × 2
CLICK PLATE UNIT (1B002-875)
FG-30
FG-30
Boss

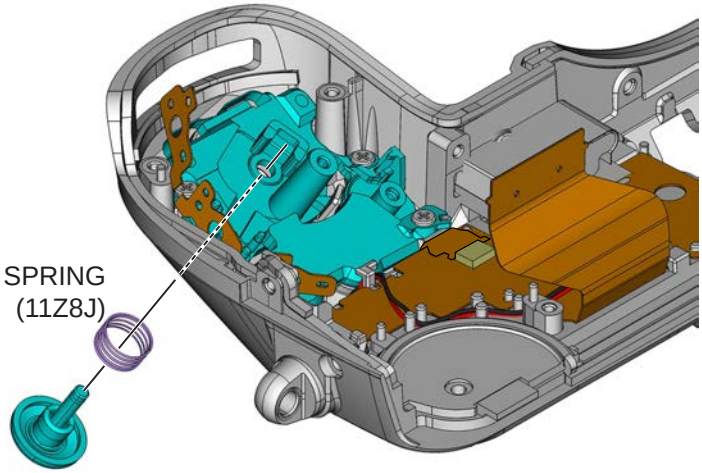

Boss
SCREW (6A-14030FD2)
ON-OFF SW BRUSH (1K241-679)
3-BUTTON (138R1)
3-BUTTON (138R1)

TOP SW FPC UNIT

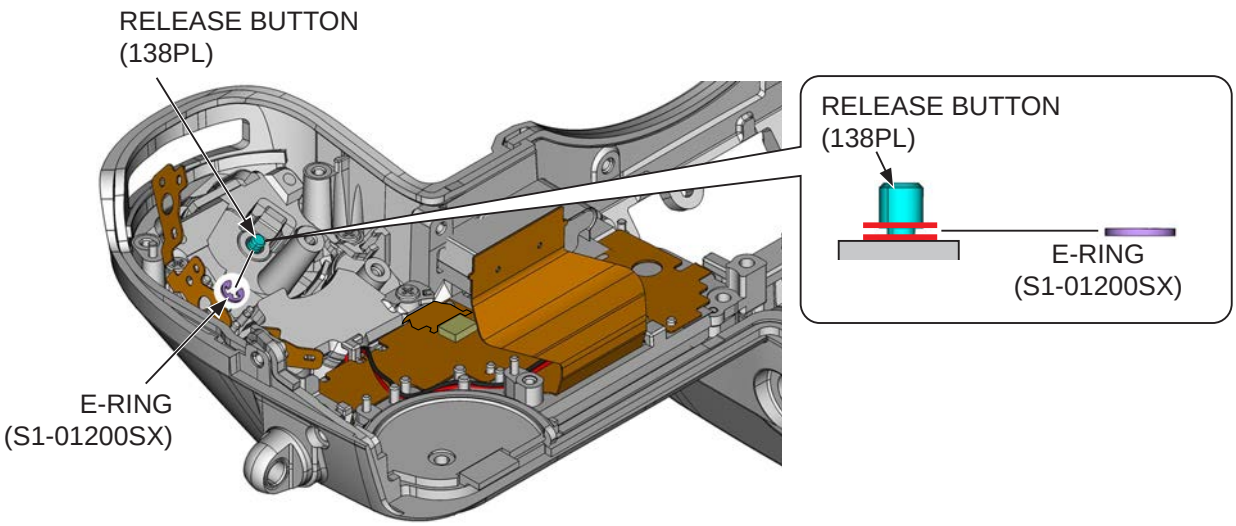


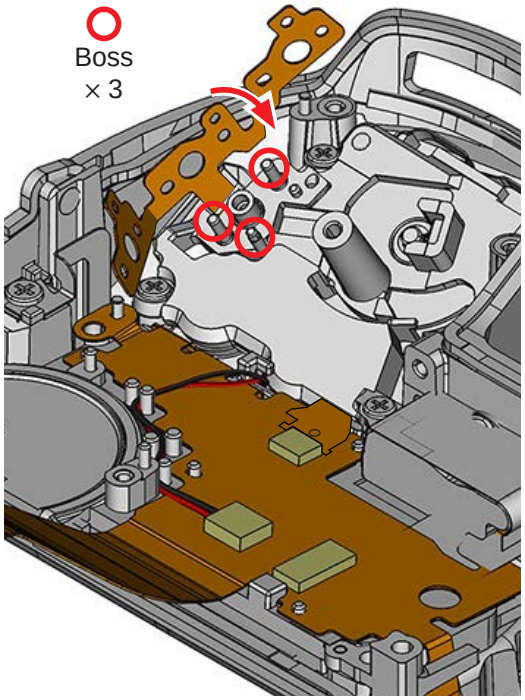


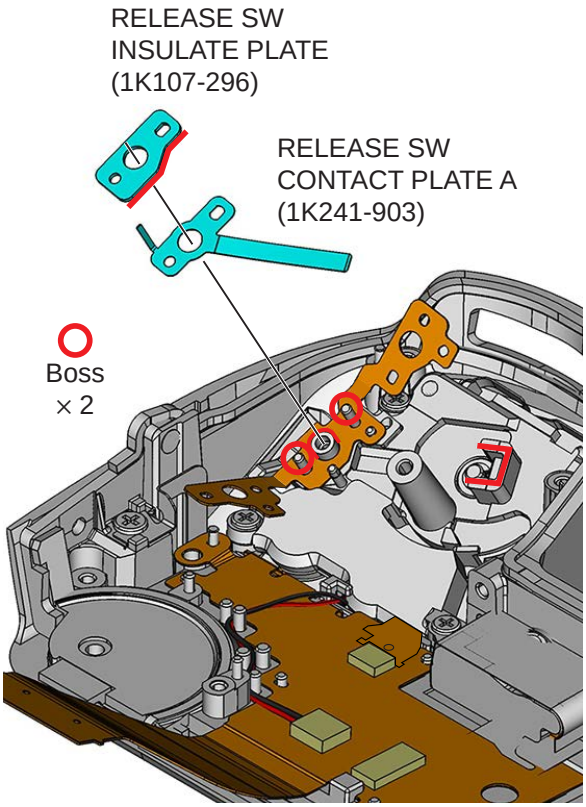


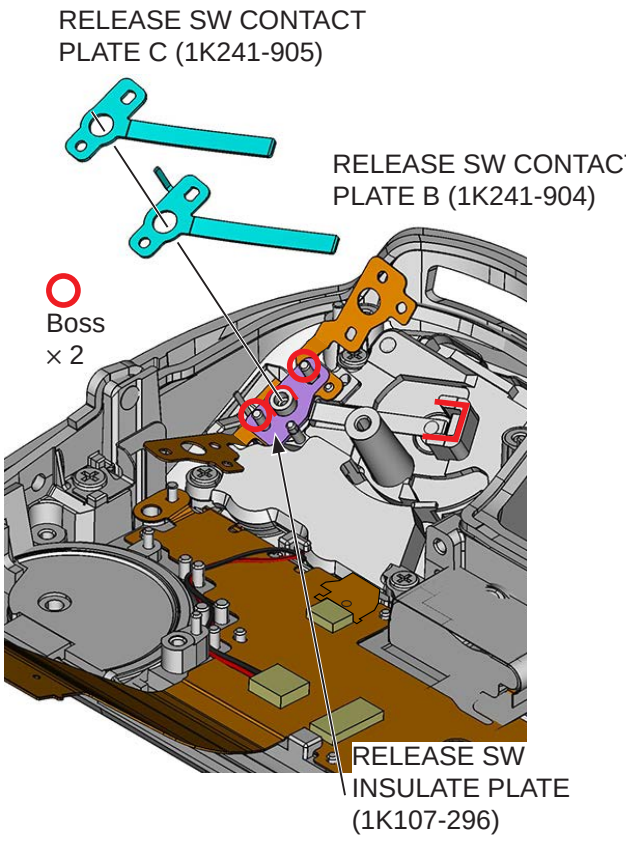


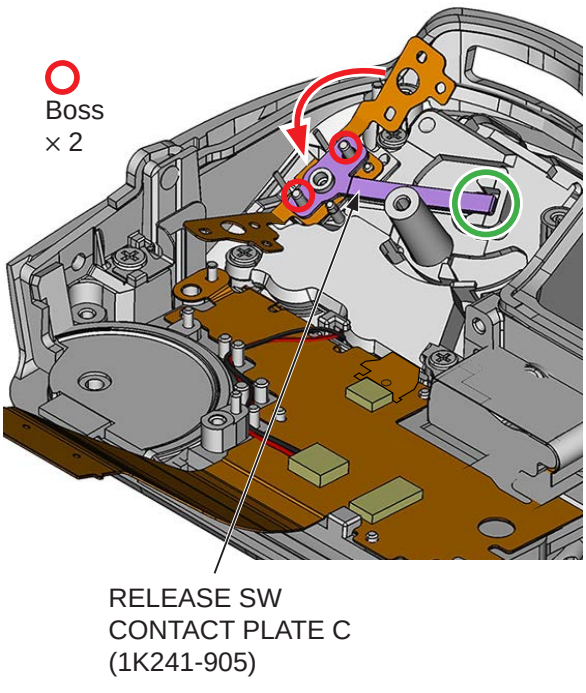
Do not lose the E-ring.

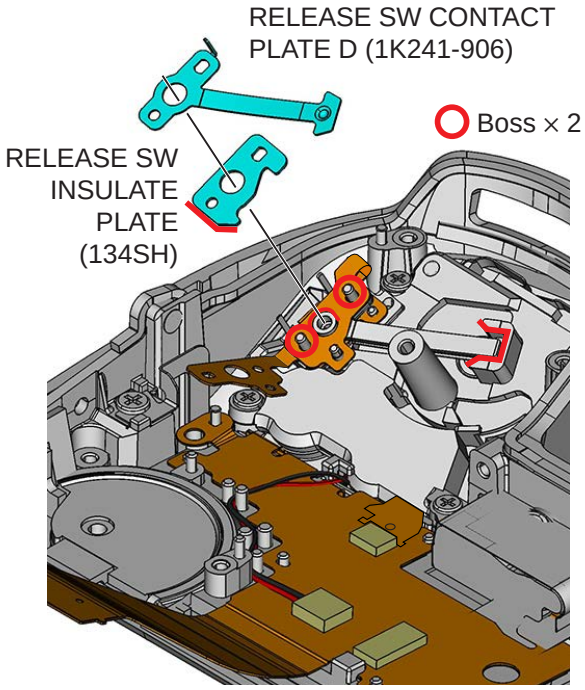


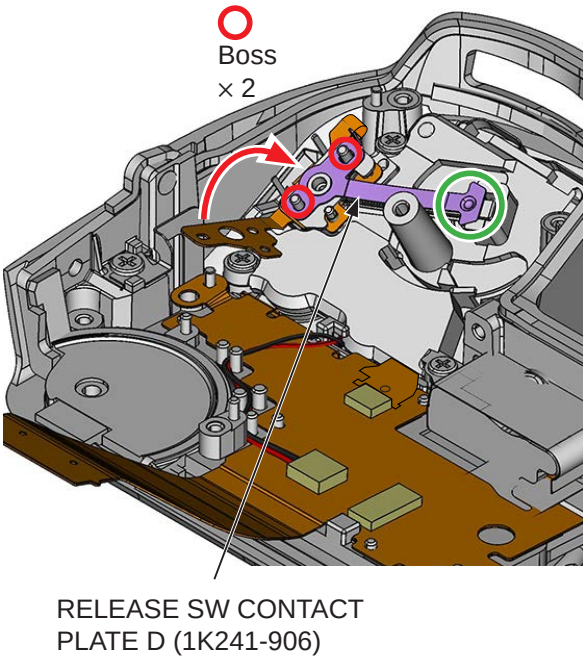

Boss
× 3

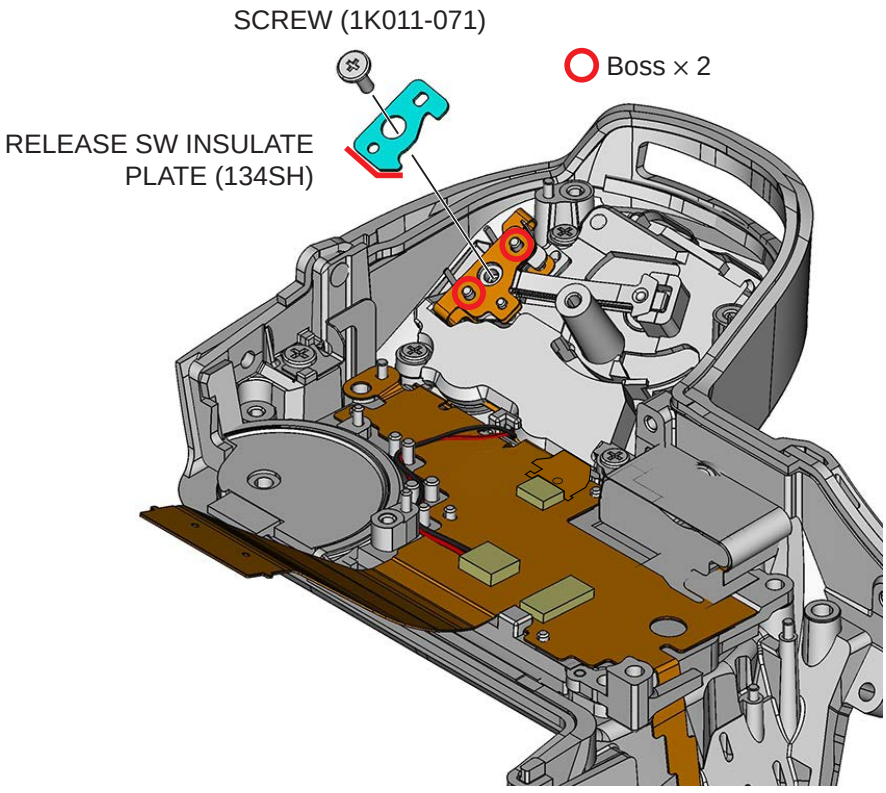

RELEASE SW
INSULATE PLATE
(1K107-296)
RELEASE SW
CONTACT PLATE A
(1K241-903)
Boss
× 2

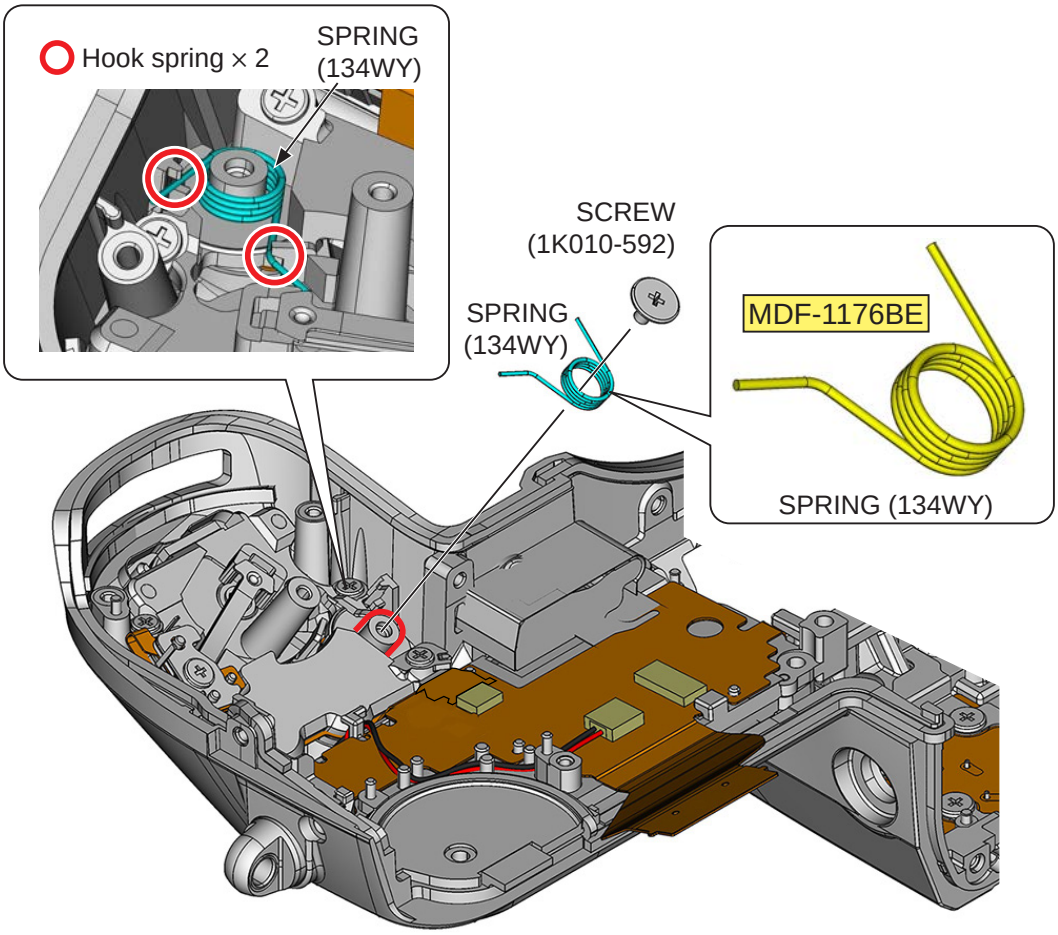

RELEASE SW CONTACT
PLATE C (1K241-905)
RELEASE SW CONTACT
PLATE B (1K241-904)
Boss
× 2
RELEASE SW
INSULATE PLATE
(1K107-296)

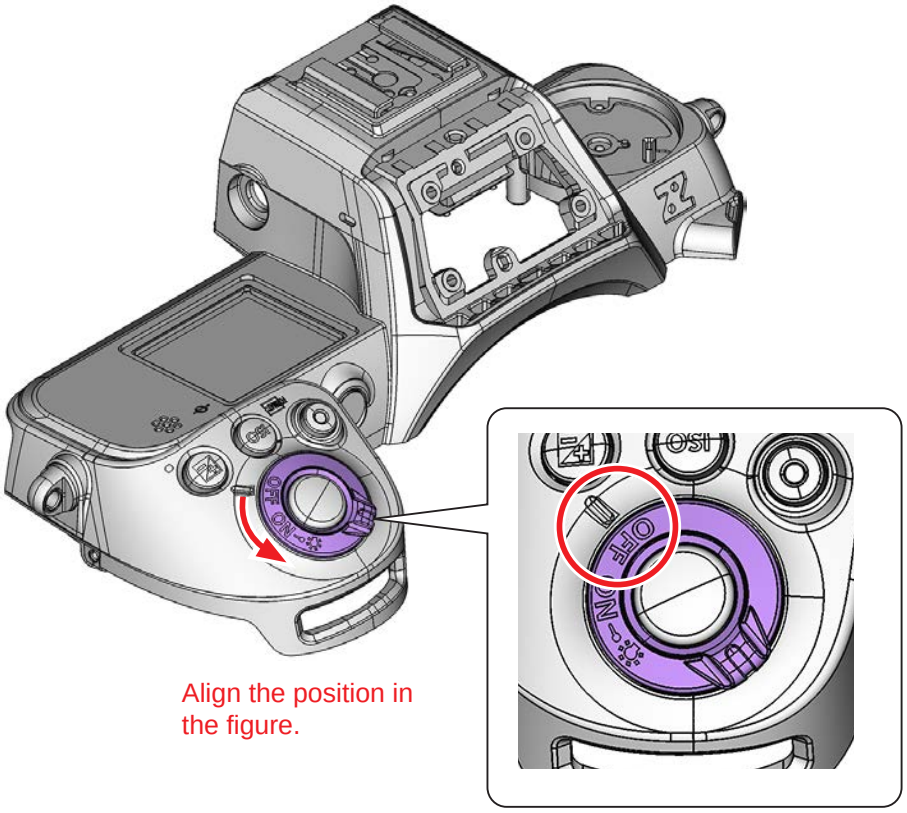

Boss
× 2
RELEASE SW
CONTACT PLATE C
(1K241-905)


RELEASE SW CONTACT
PLATE D (1K241-906)
Boss × 2
RELEASE SW
INSULATE
PLATE
(134SH)

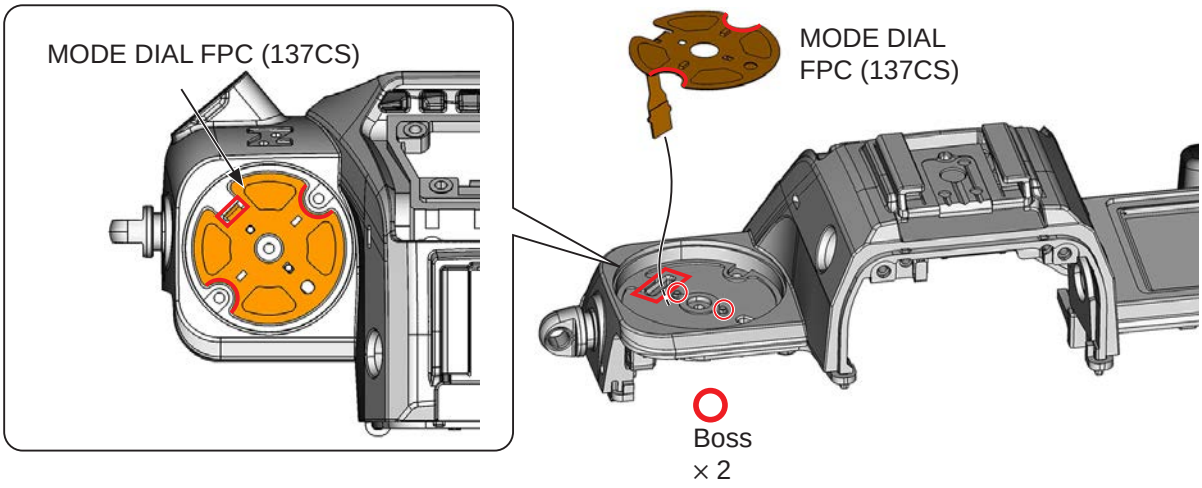

Boss
× 2
RELEASE SW CONTACT
PLATE D (1K241-906)

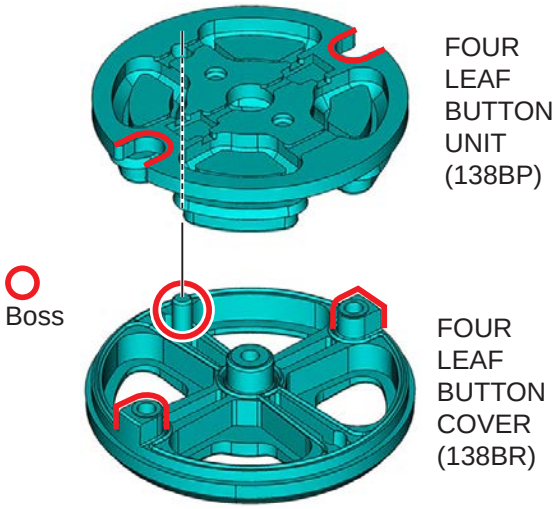

SCREW (1K011-071)
Boss × 2
RELEASE SW INSULATE
PLATE (134SH)

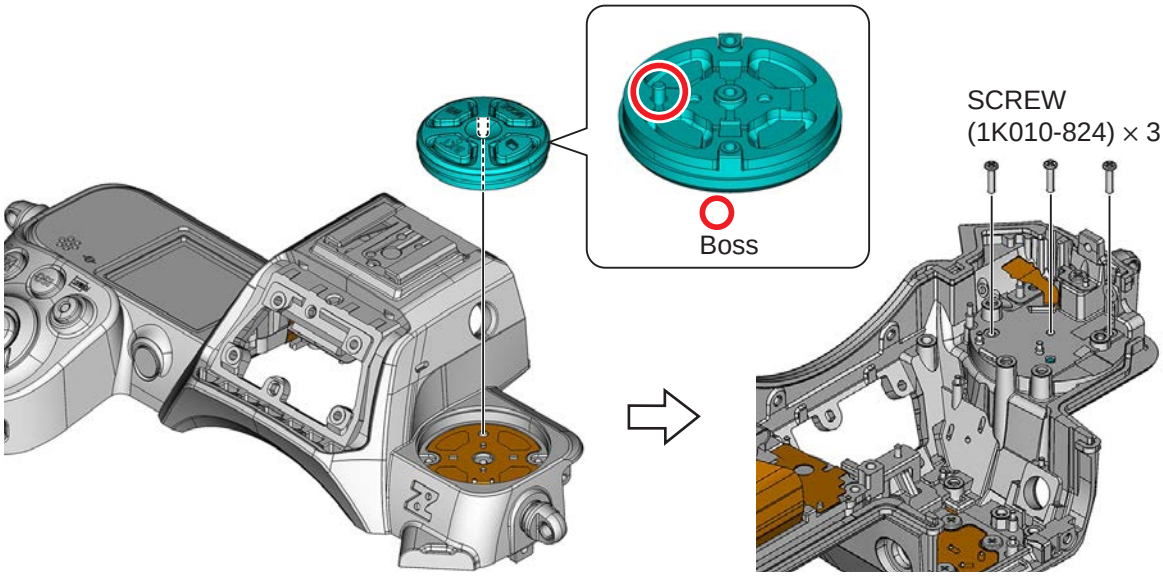


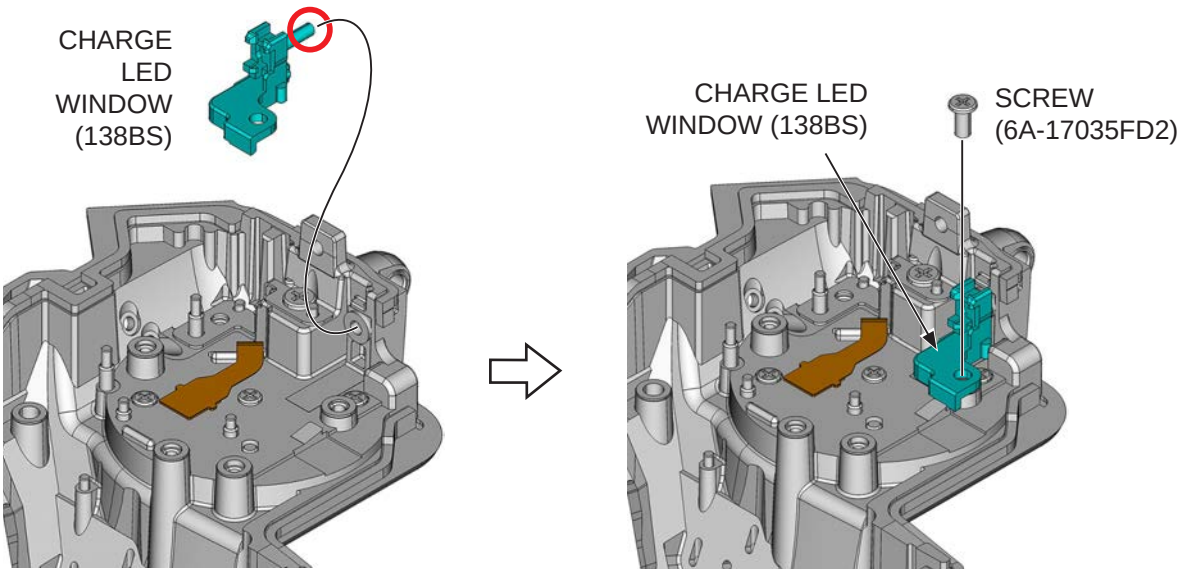


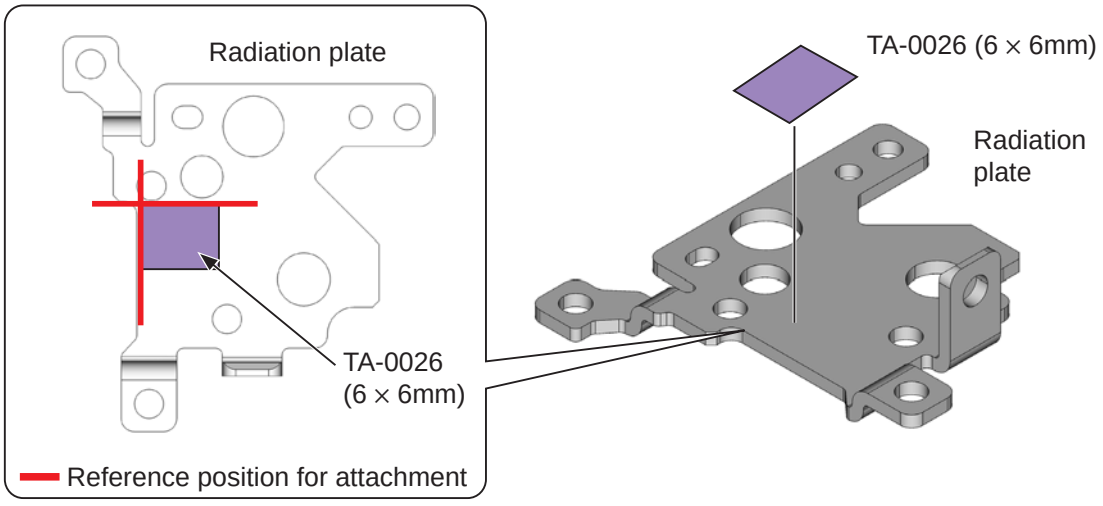
Align the position in the figure.

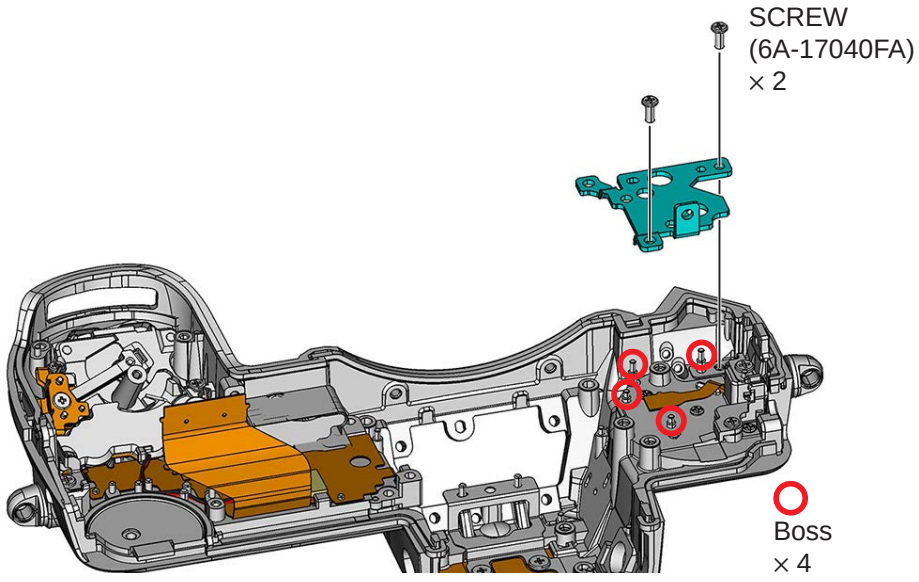

MODE DIAL FPC (137CS)
MODE DIAL
FPC (137CS)
Boss
× 2


FOUR
LEAF
BUTTON
UNIT
(138BP)
Boss
FOUR
LEAF
BUTTON
COVER
(138BR)

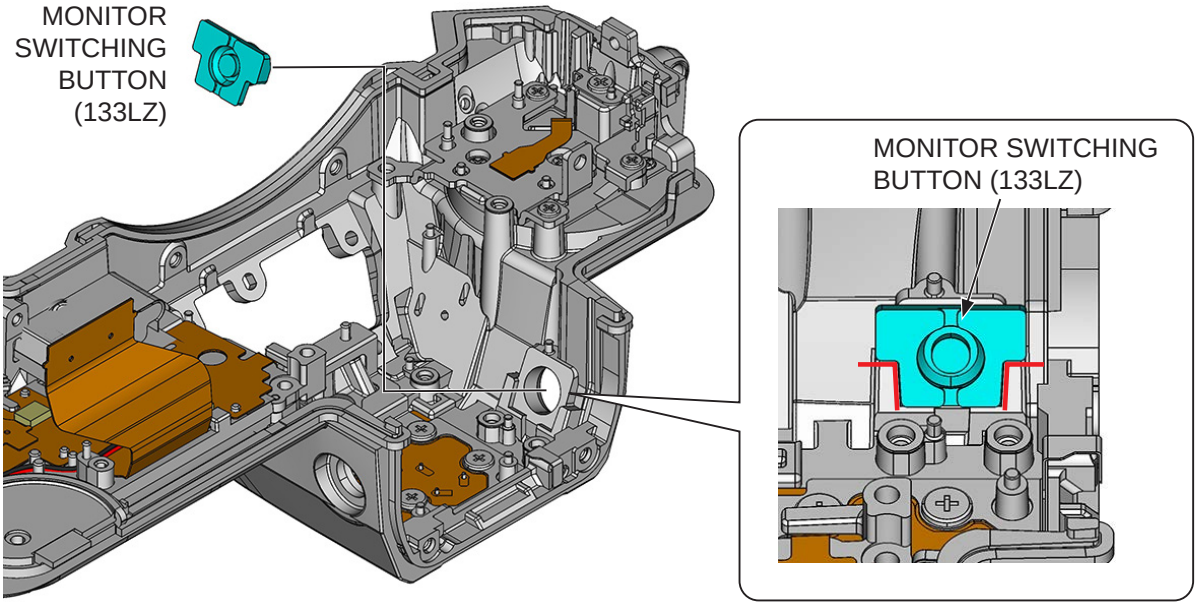

SCREW
(1K010-824) × 3
Boss

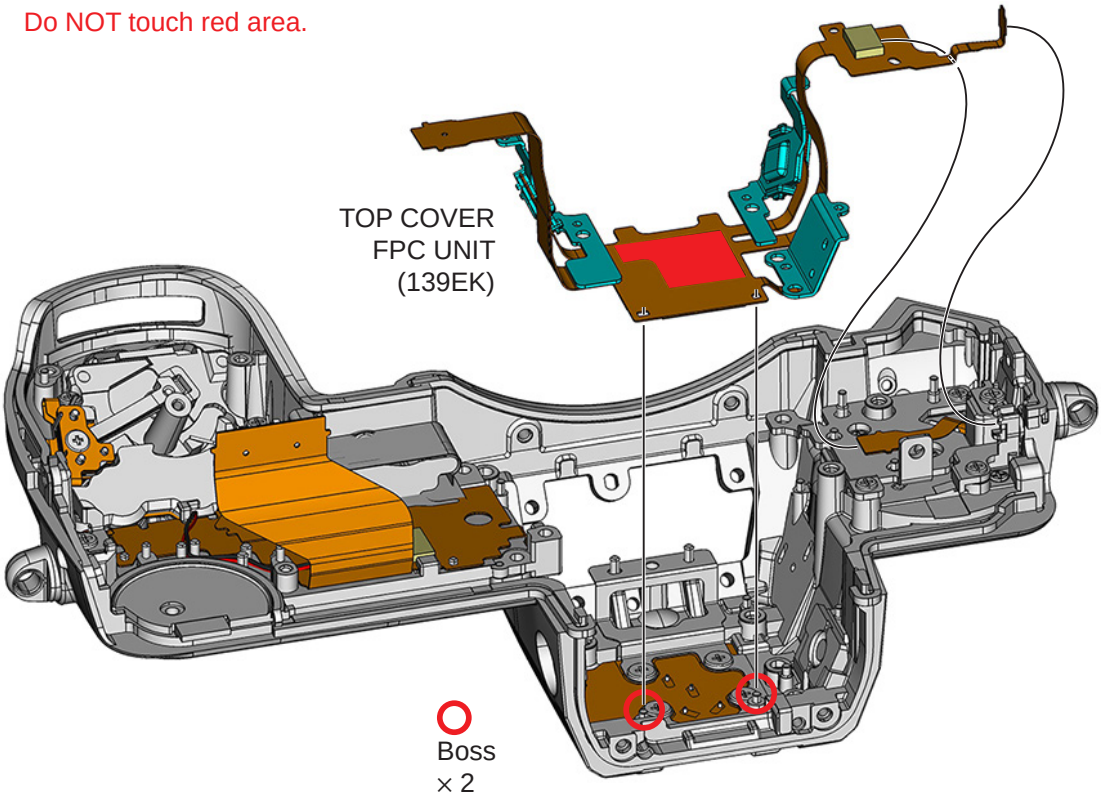

CHARGE
LED
WINDOW
(138BS)
CHARGE LED
WINDOW (138BS)
SCREW
(6A-17035FD2)


Radiation plate
TA-0026
(6 × 6mm)
Reference position for attachment
TA-0026 (6 × 6mm)
Radiation
plate

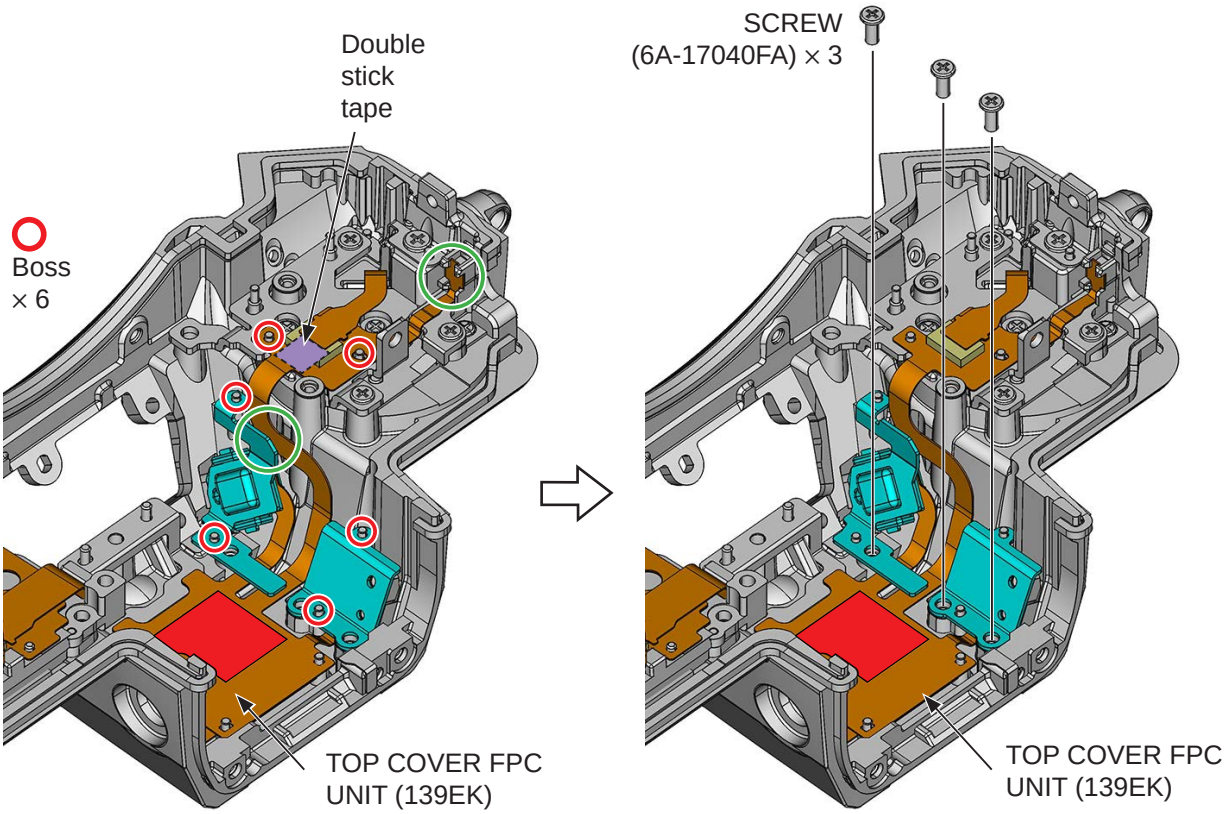

SCREW
(6A-17040FA)
× 2
Boss
× 4

TOP COVER FPC UNIT

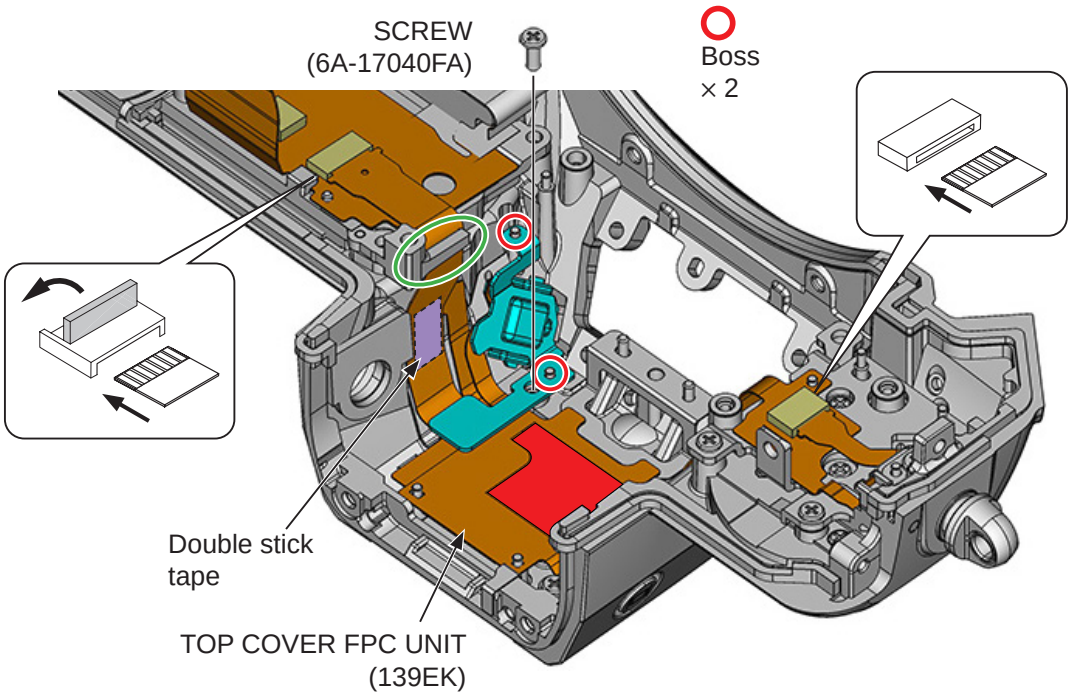




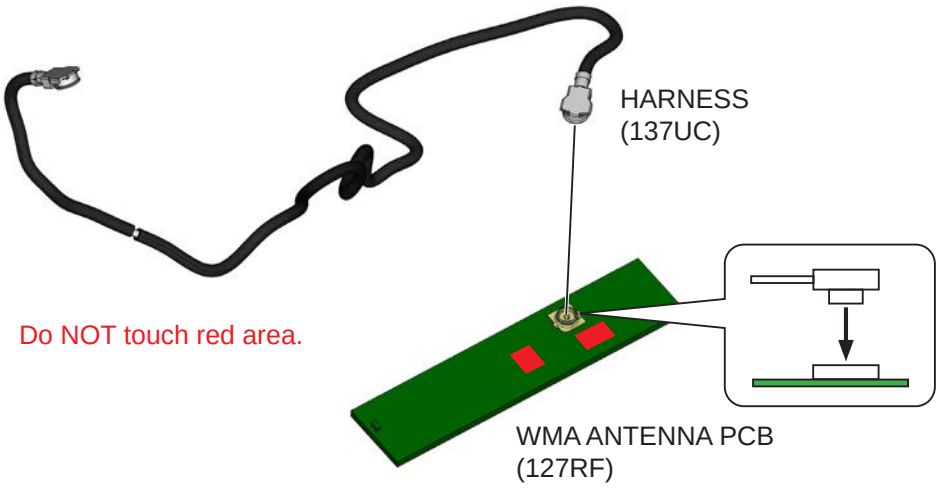
Do NOT touch red area.

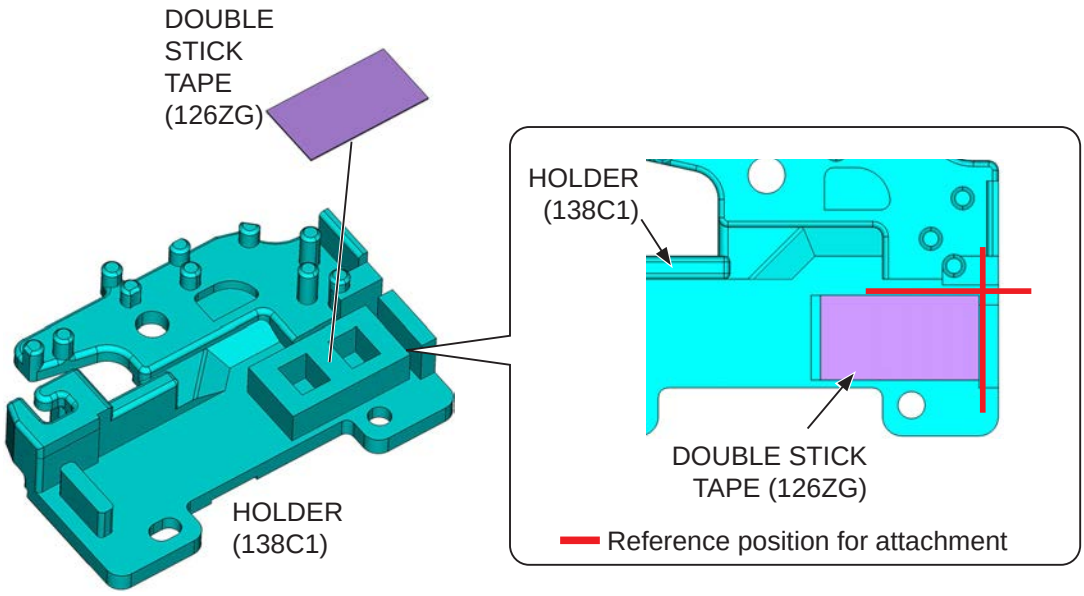


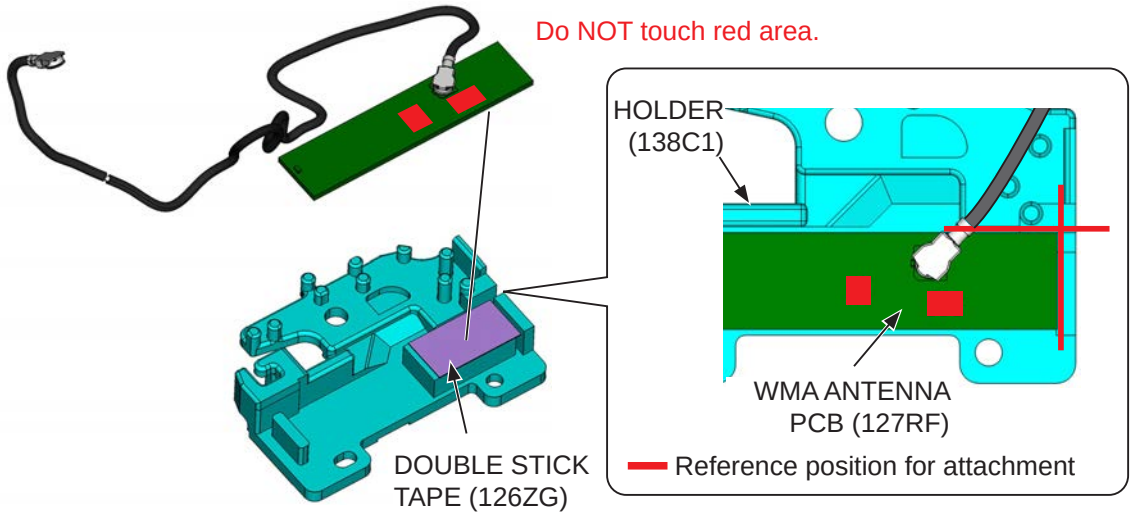
Do NOT touch red area.

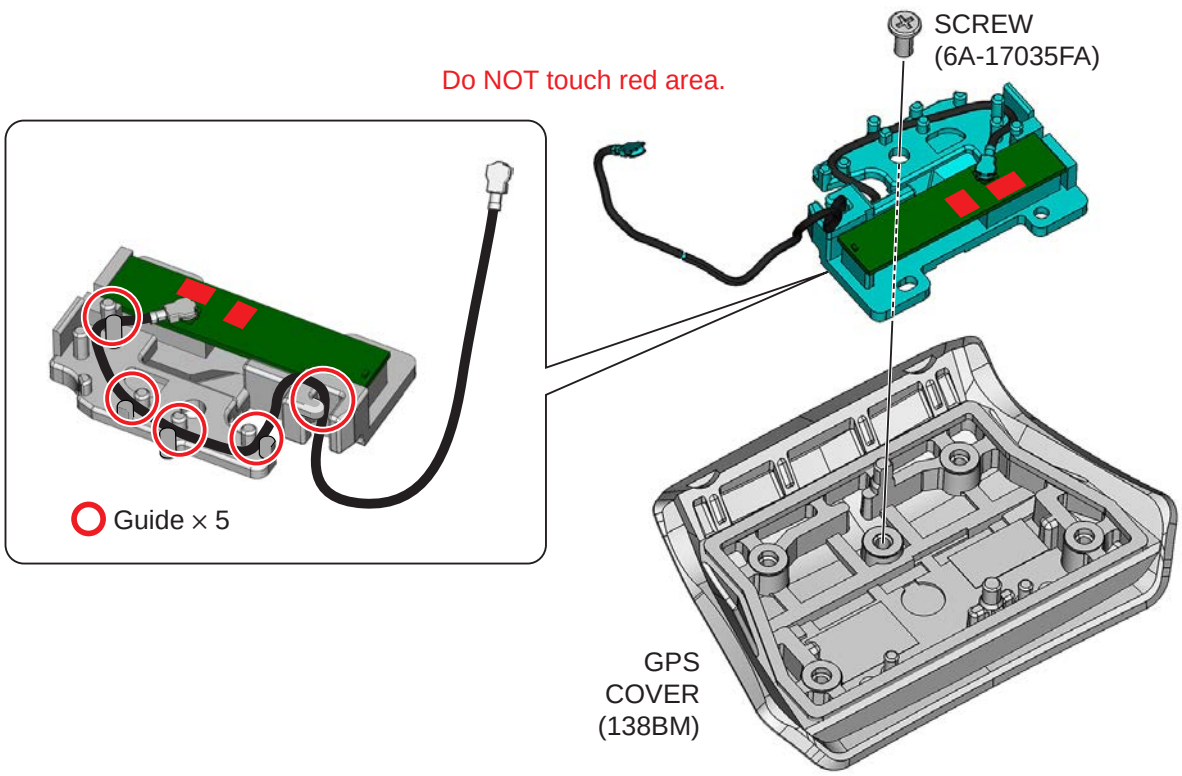


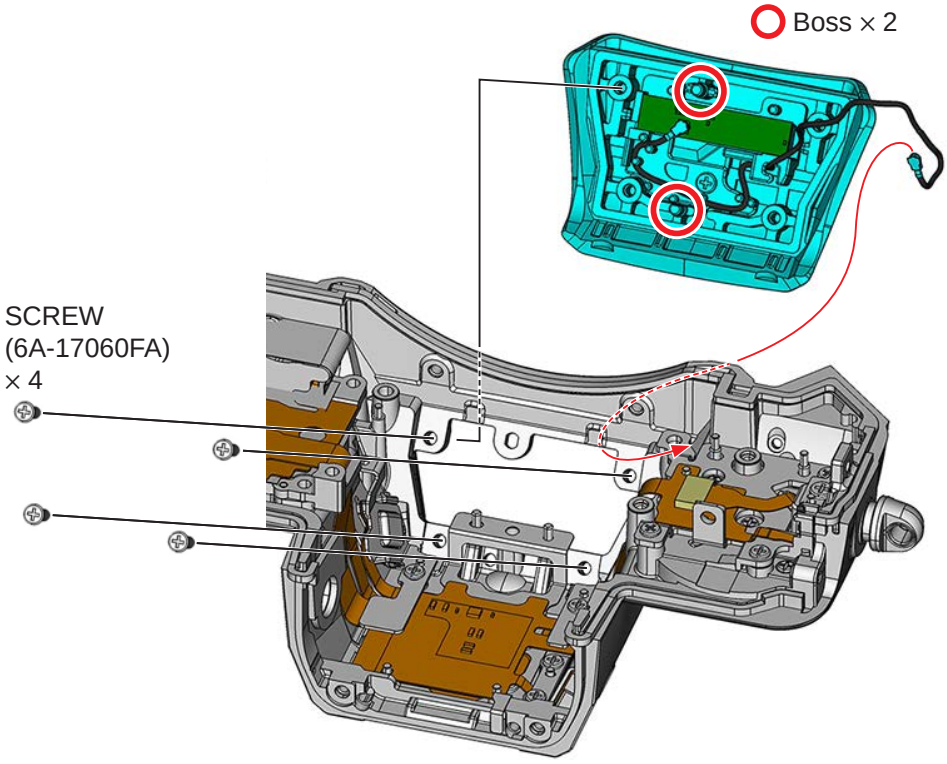
WMA ANTENNA PCB

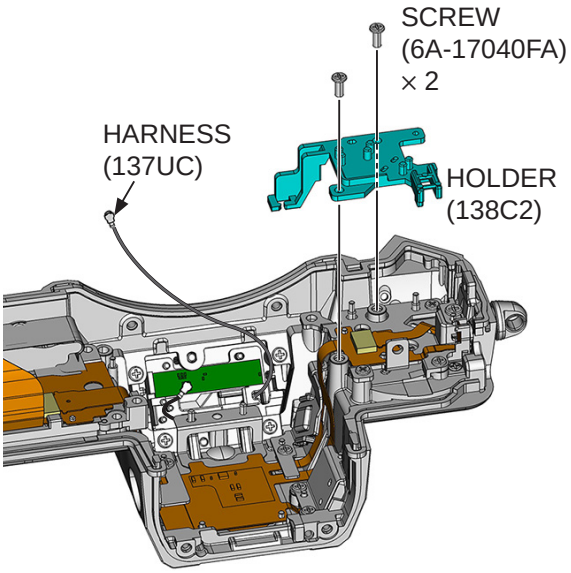


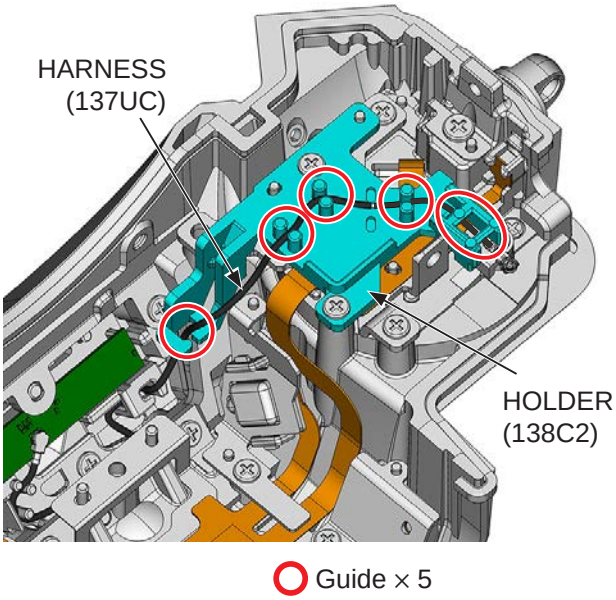





SCREW
(6A-17035FA)
Do NOT touch red area.
Guide × 5
GPS
COVER
(138BM)

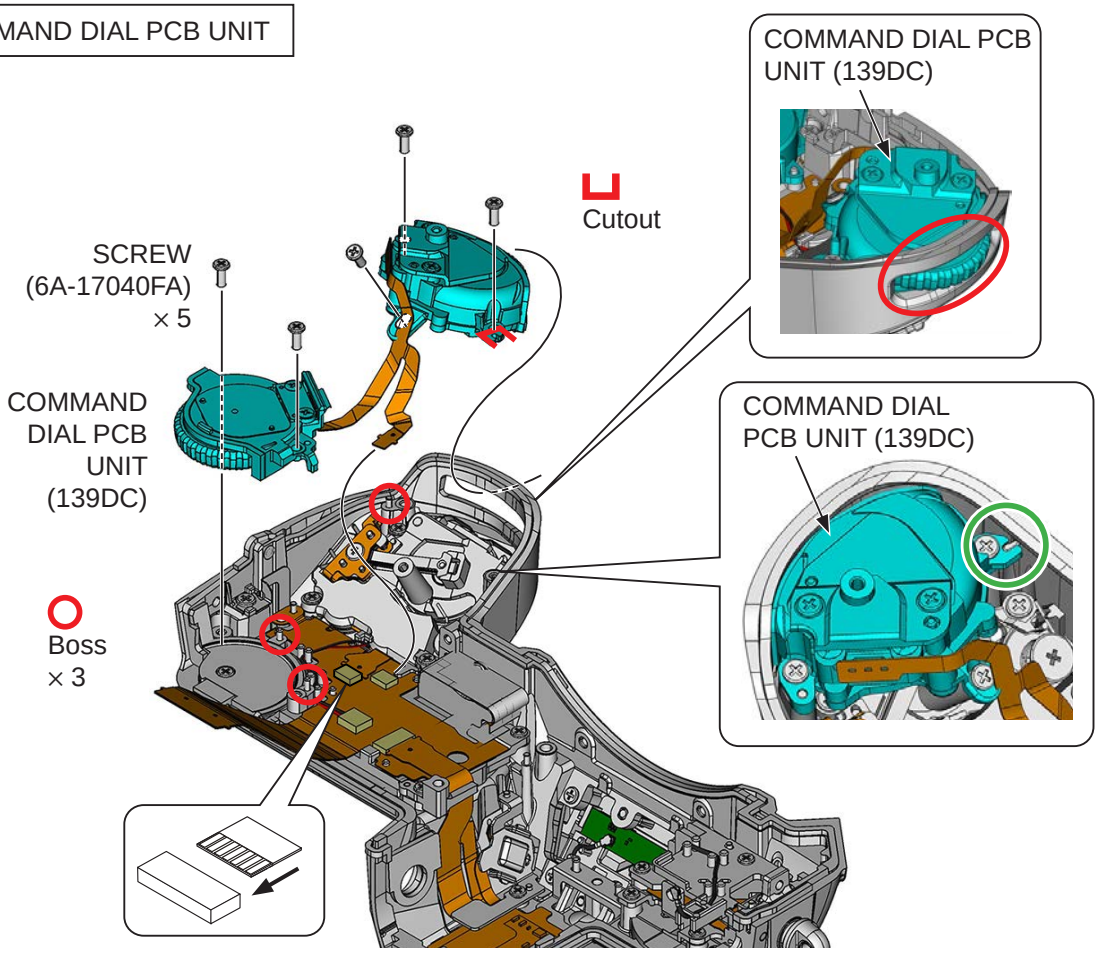

Boss × 2
SCREW
(6A-17060FA)
× 4

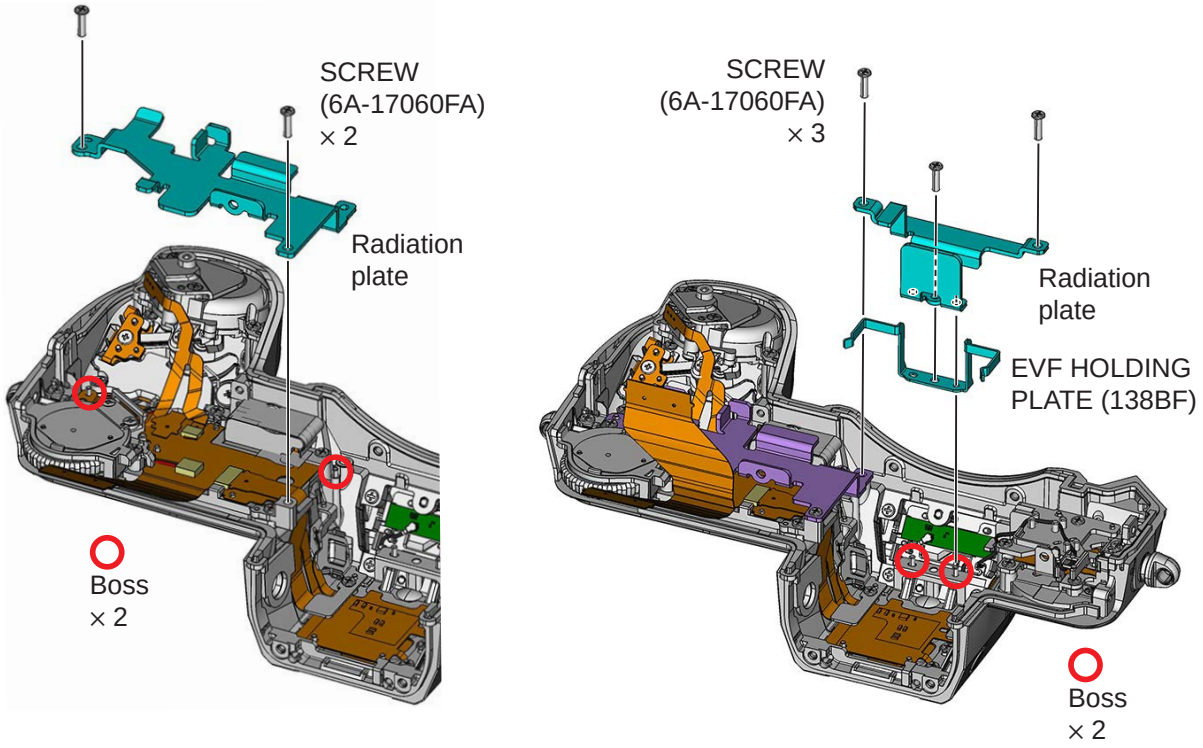


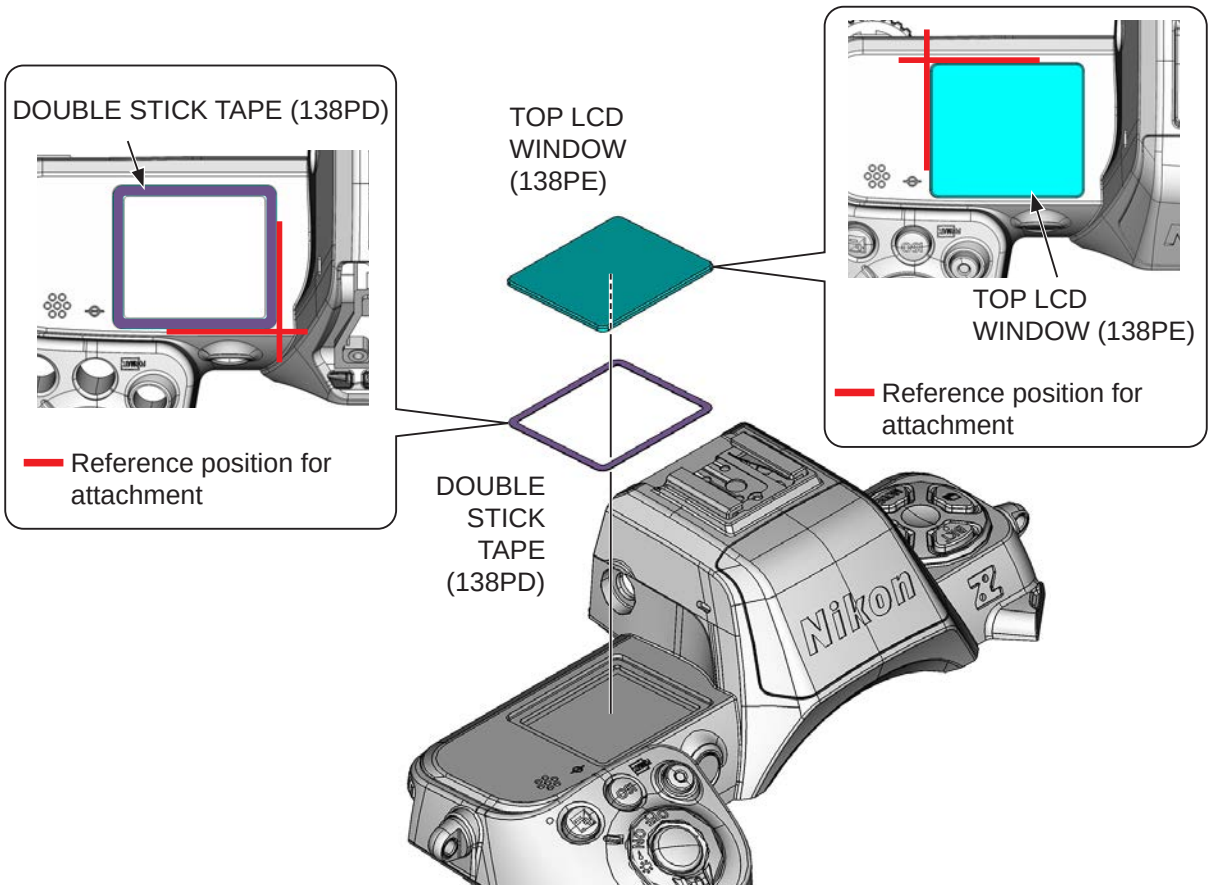


Guide × 5

COMMAND DIAL PCB UNIT

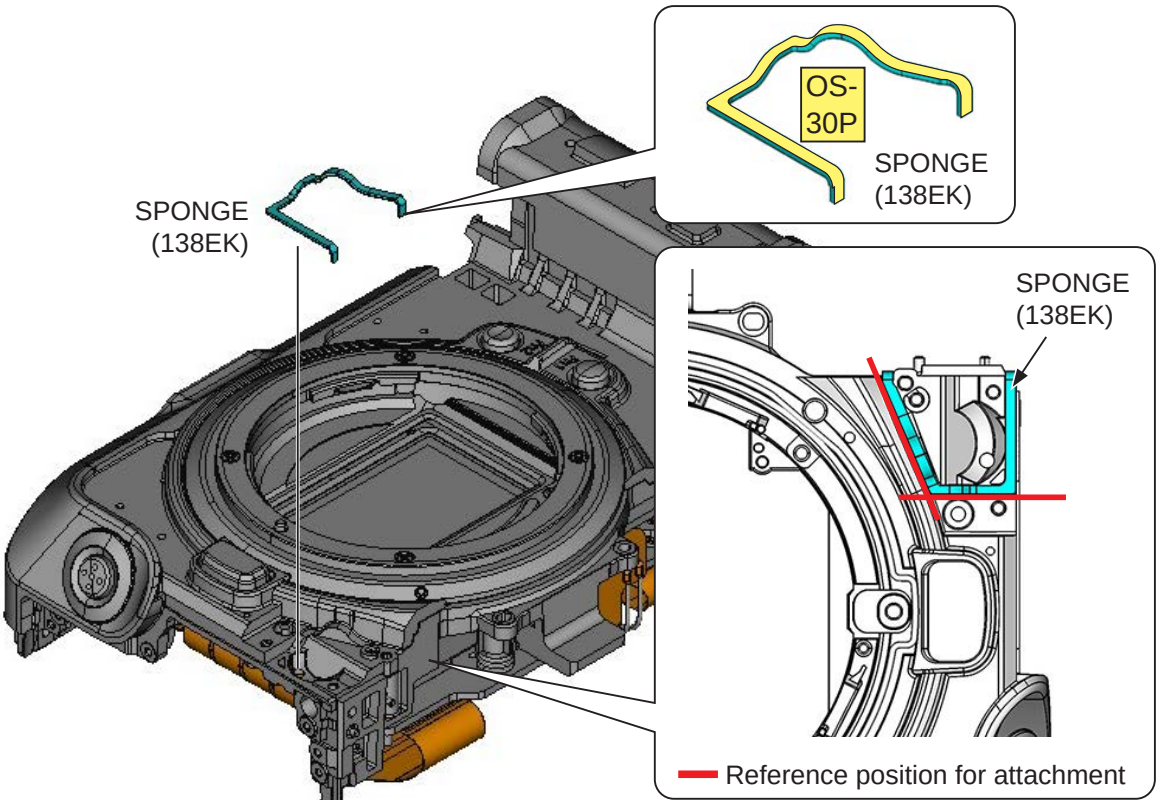


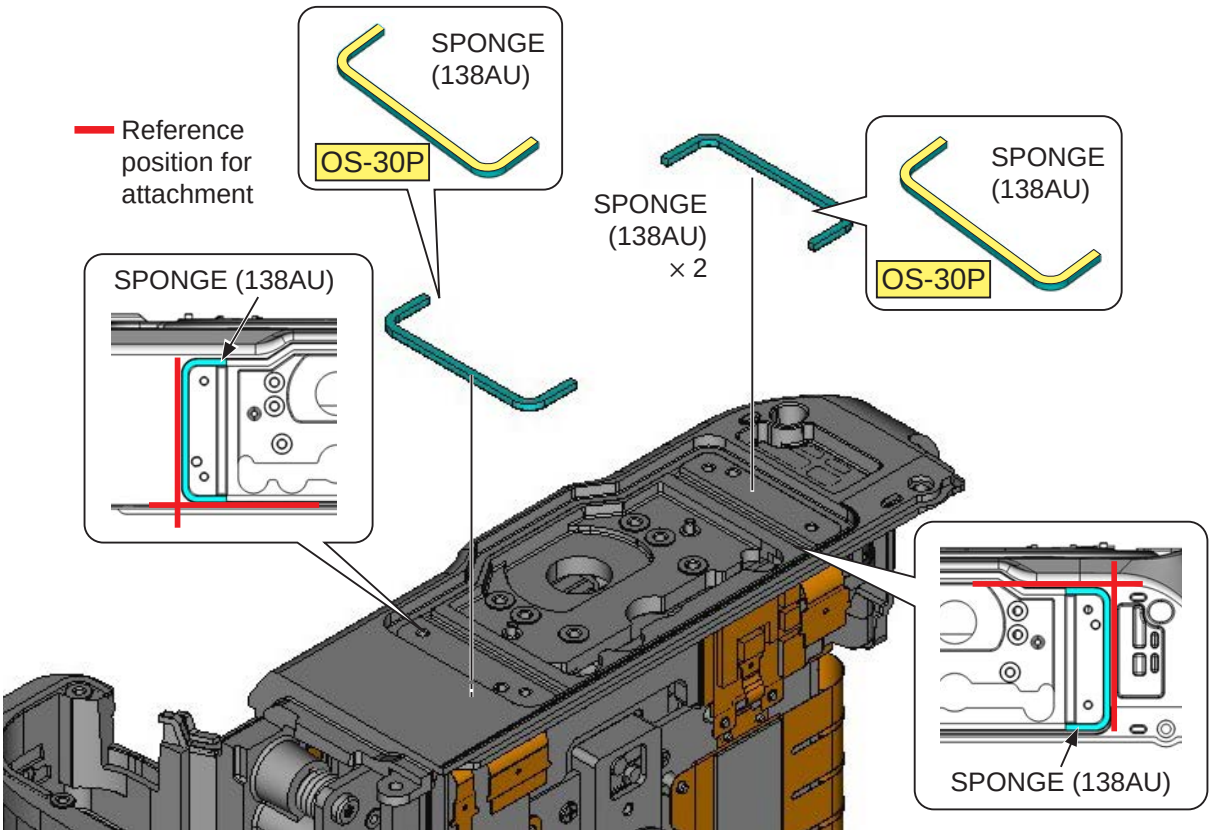

SCREW
(6A-17060FA)
× 2
Radiation
plate
Boss
× 2
SCREW
(6A-17060FA)
× 3
Radiation
plate
EVF HOLDING
PLATE (138BF)
Boss
× 2

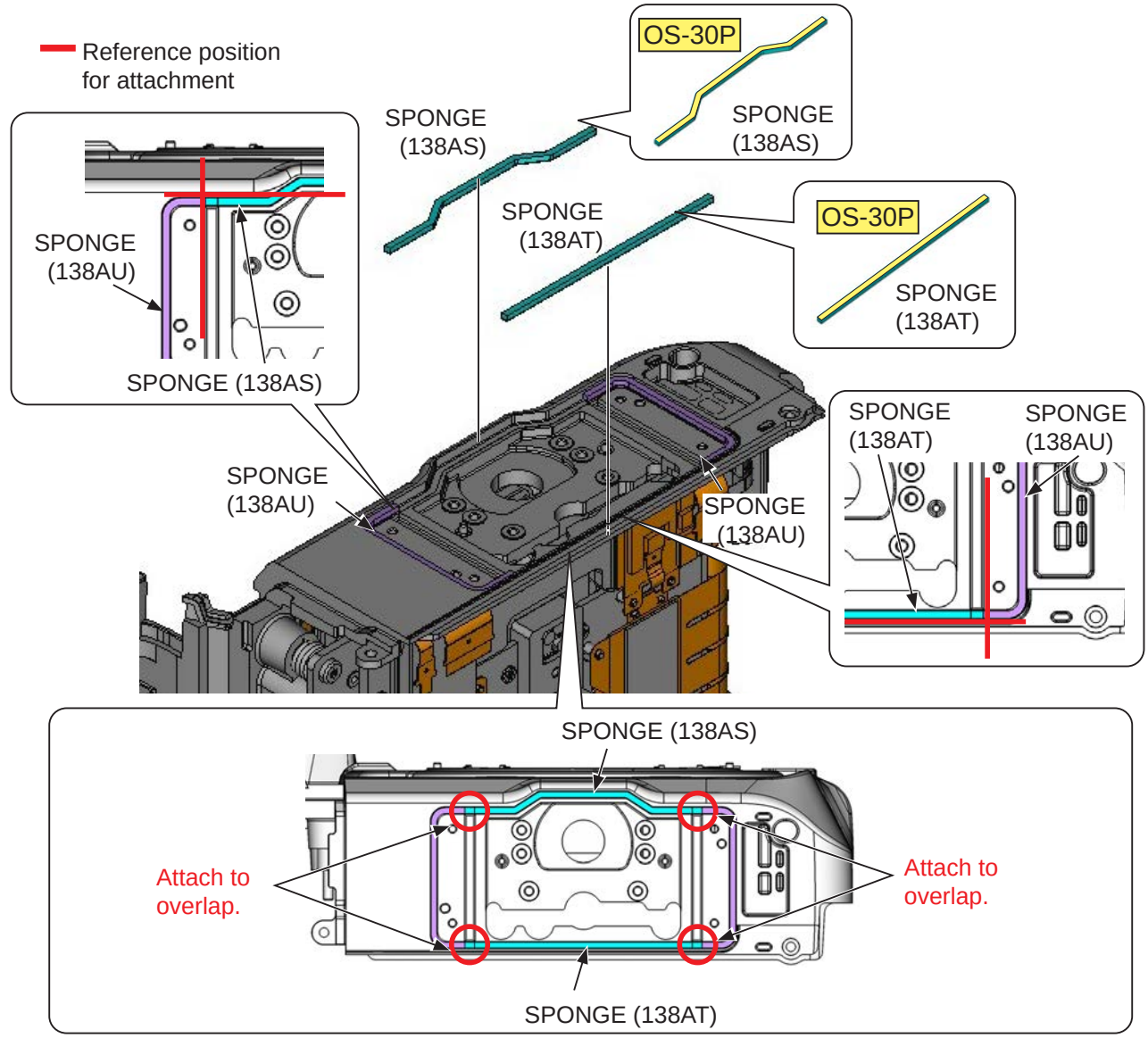

DOUBLE STICK TAPE (138PD)
Reference position for
attachment
TOP LCD
WINDOW
(138PE)
TOP LCD
WINDOW (138PE)
Reference position for
attachment
DOUBLE
STICK
TAPE
(138PD)
Nikon

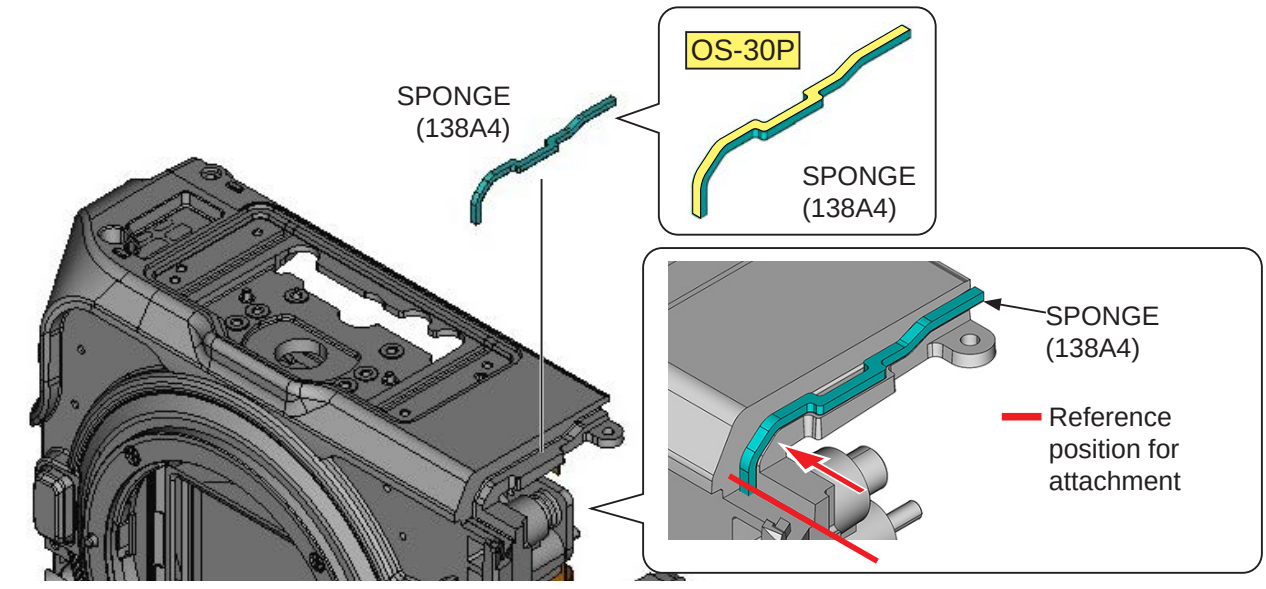
4. Front body

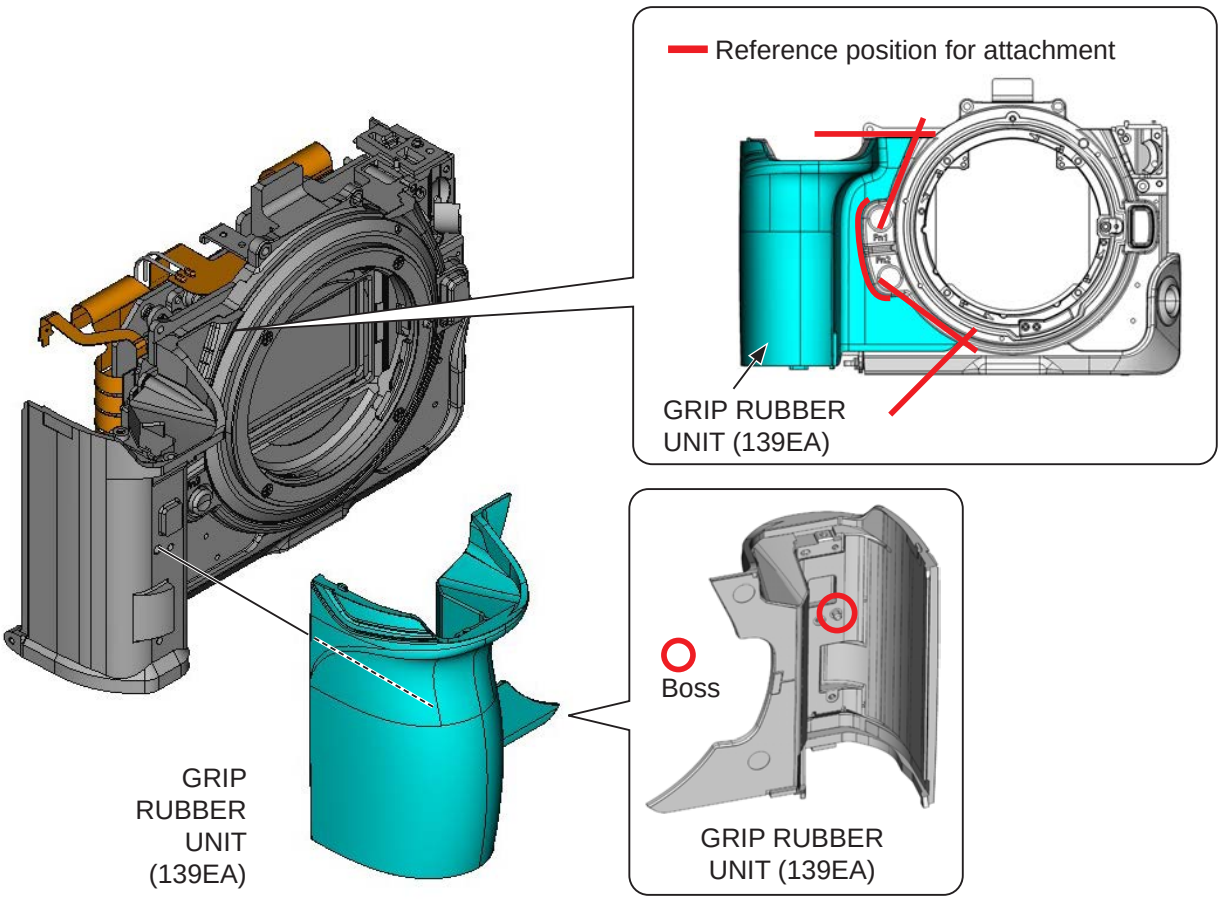
FRONT BODY UNIT

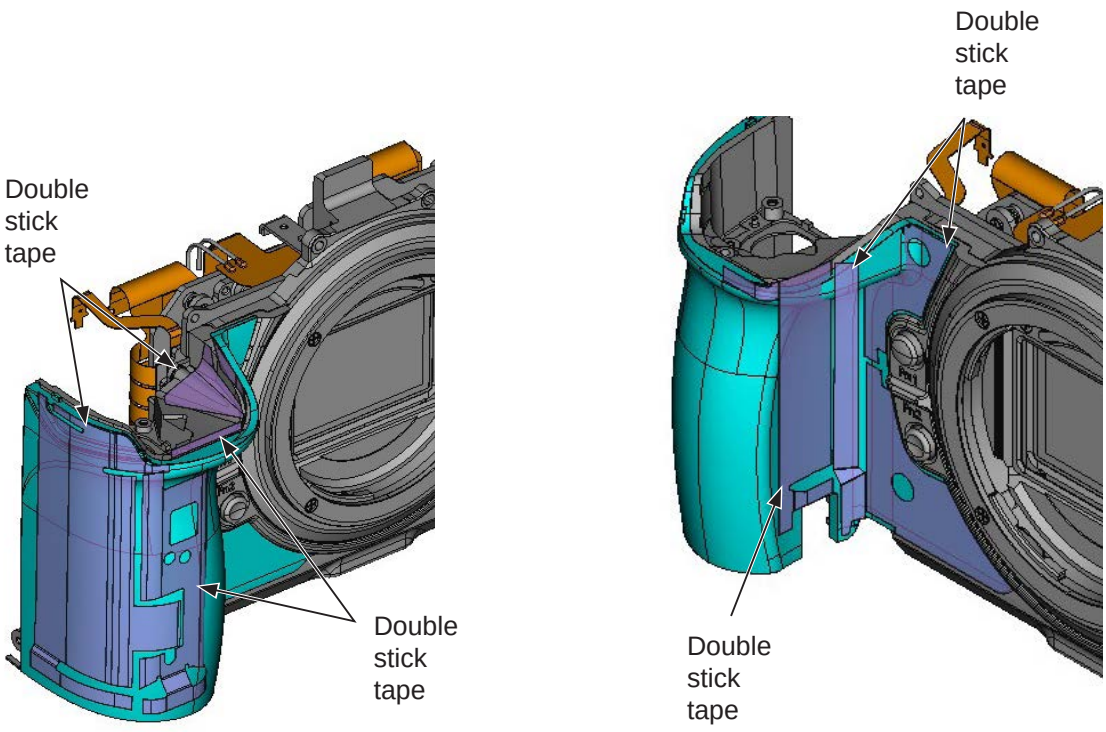


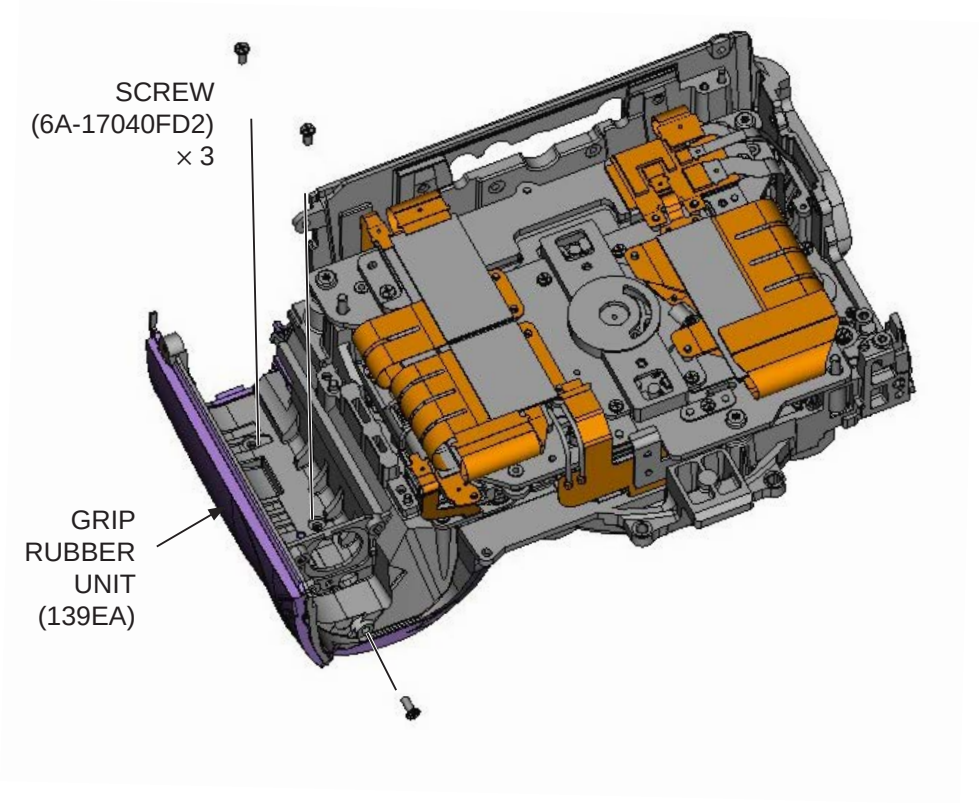


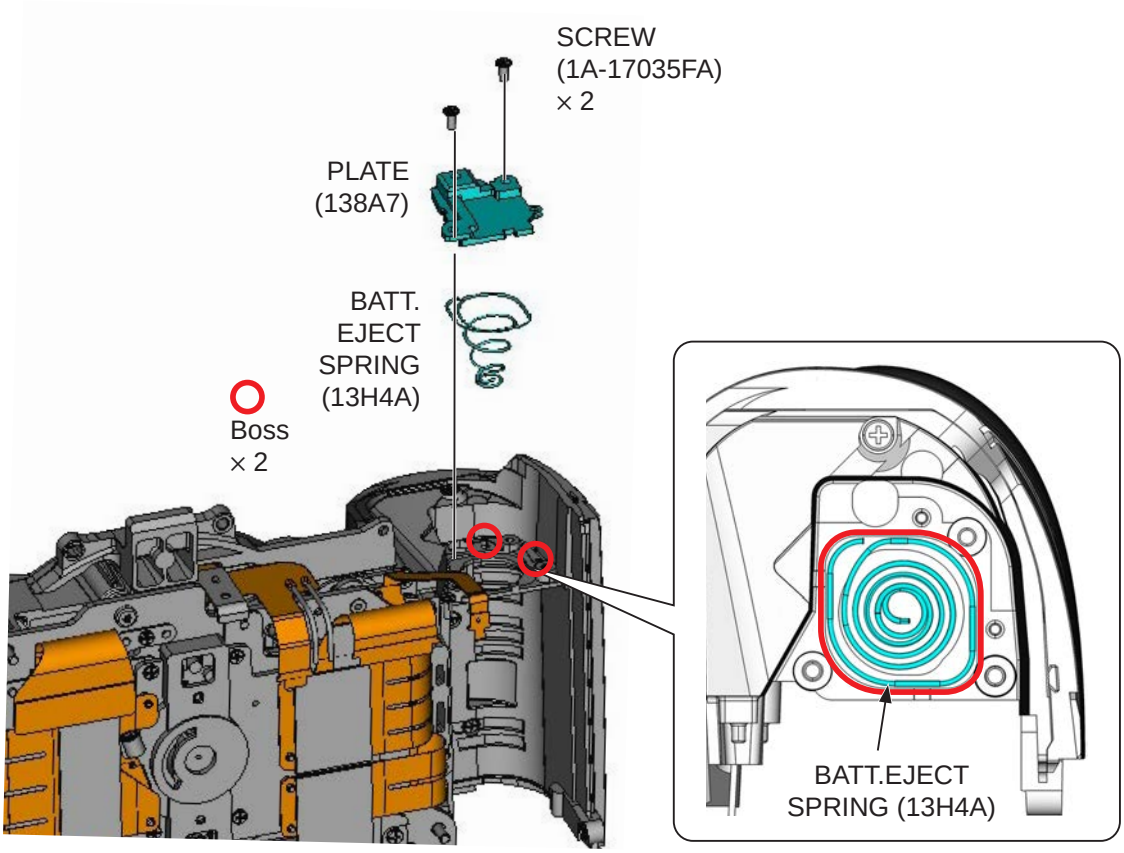

Reference position for attachment
OS-30P
SPONGE (138AS)
SPONGE (138AS)
SPONGE (138AU)
SPONGE (138AS)
SPONGE (138AT)
OS-30P
SPONGE (138AT)
SPONGE (138AT)
SPONGE (138AU)
SPONGE (138AU)
SPONGE (138AU)
SPONGE (138AS)
Attach to overlap.
Attach to overlap.
SPONGE (138AT)


OS-30P
SPONGE (138A4)
SPONGE (138A4)
SPONGE (138A4)
Reference position for attachment

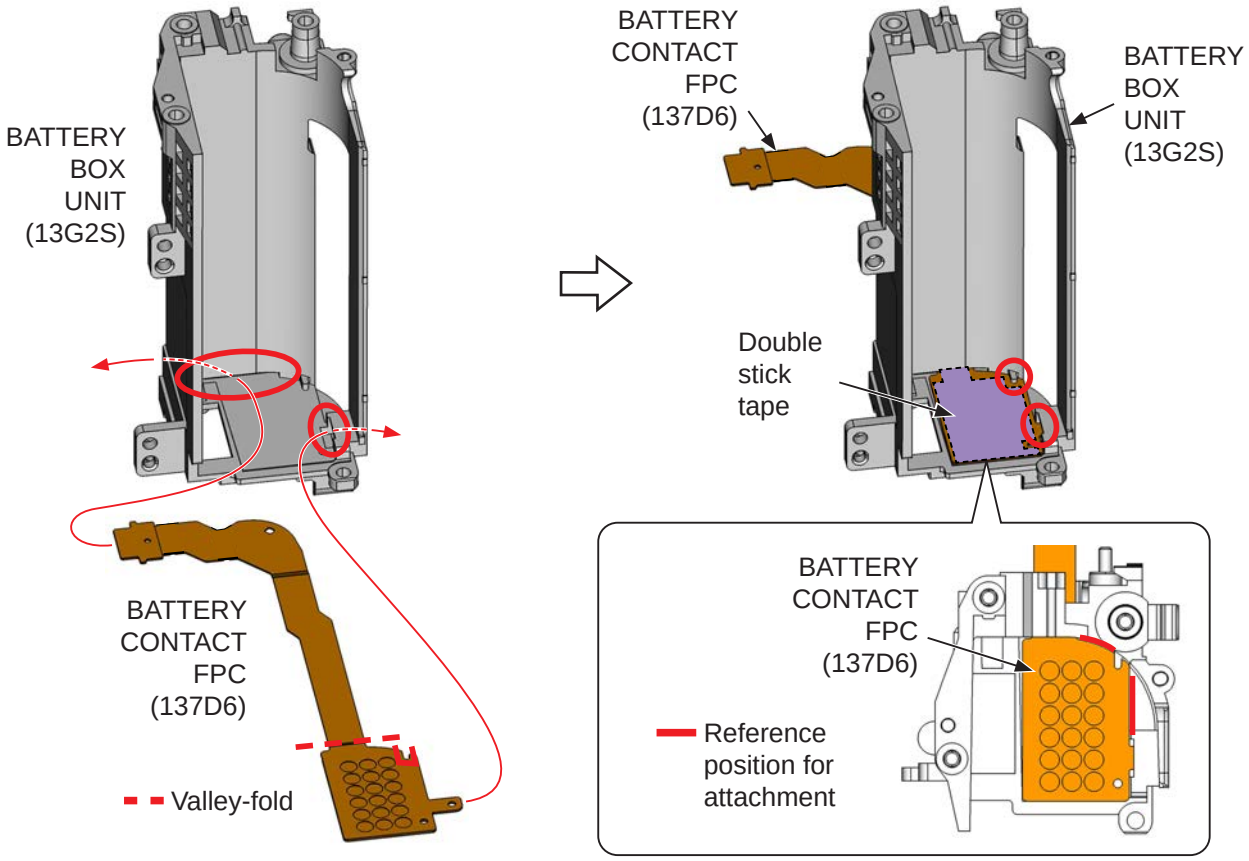

Reference position for attachment
GRIP RUBBER UNIT (139EA)
Boss
GRIP RUBBER UNIT (139EA)
GRIP RUBBER UNIT (139EA)

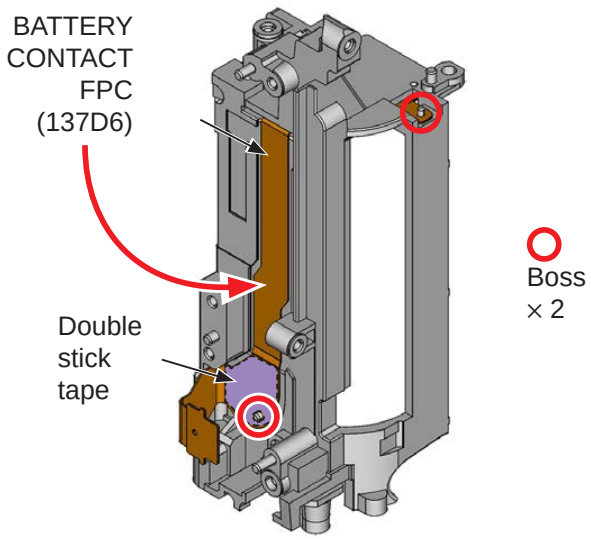

Double stick tape
Double stick tape
Double stick tape
Double stick tape

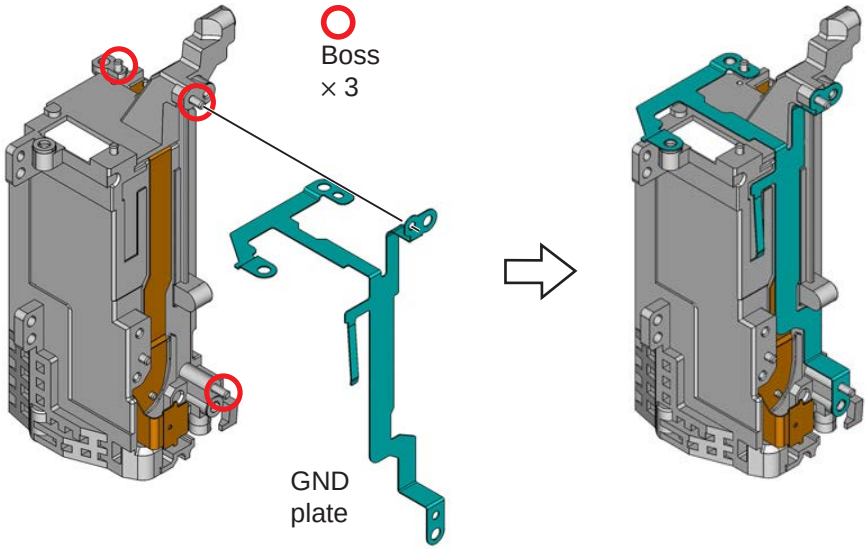

SCREW
(6A-17040FD2)
× 3
GRIP
RUBBER
UNIT
(139EA)

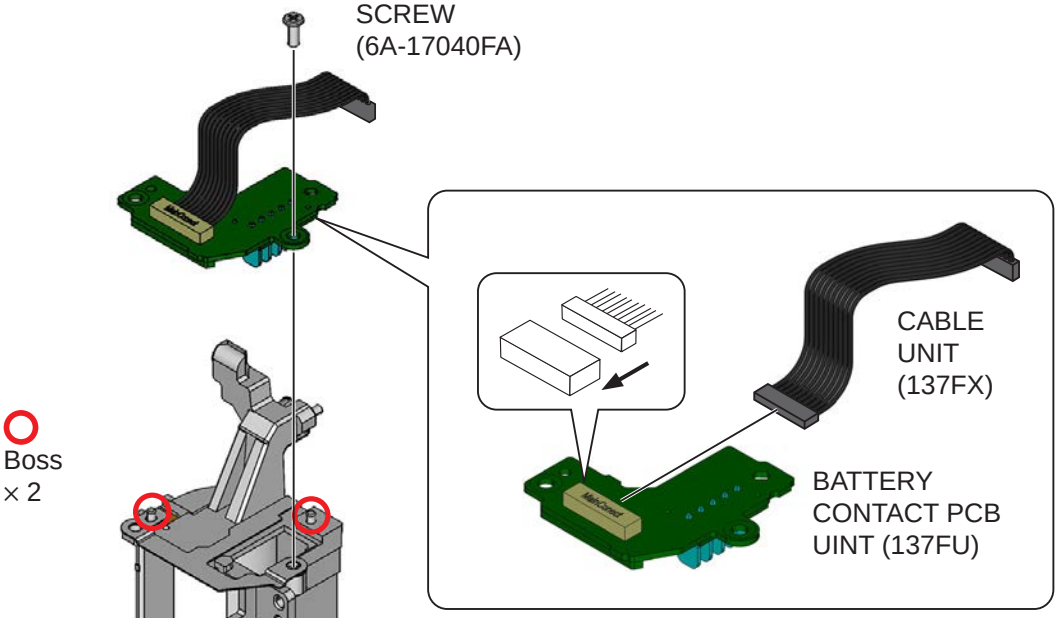

SCREW
(1A-17035FA)
× 2
PLATE
(138A7)
BATT.
EJECT
SPRING
(13H4A)
Boss
× 2
BATT.EJECT
SPRING (13H4A)

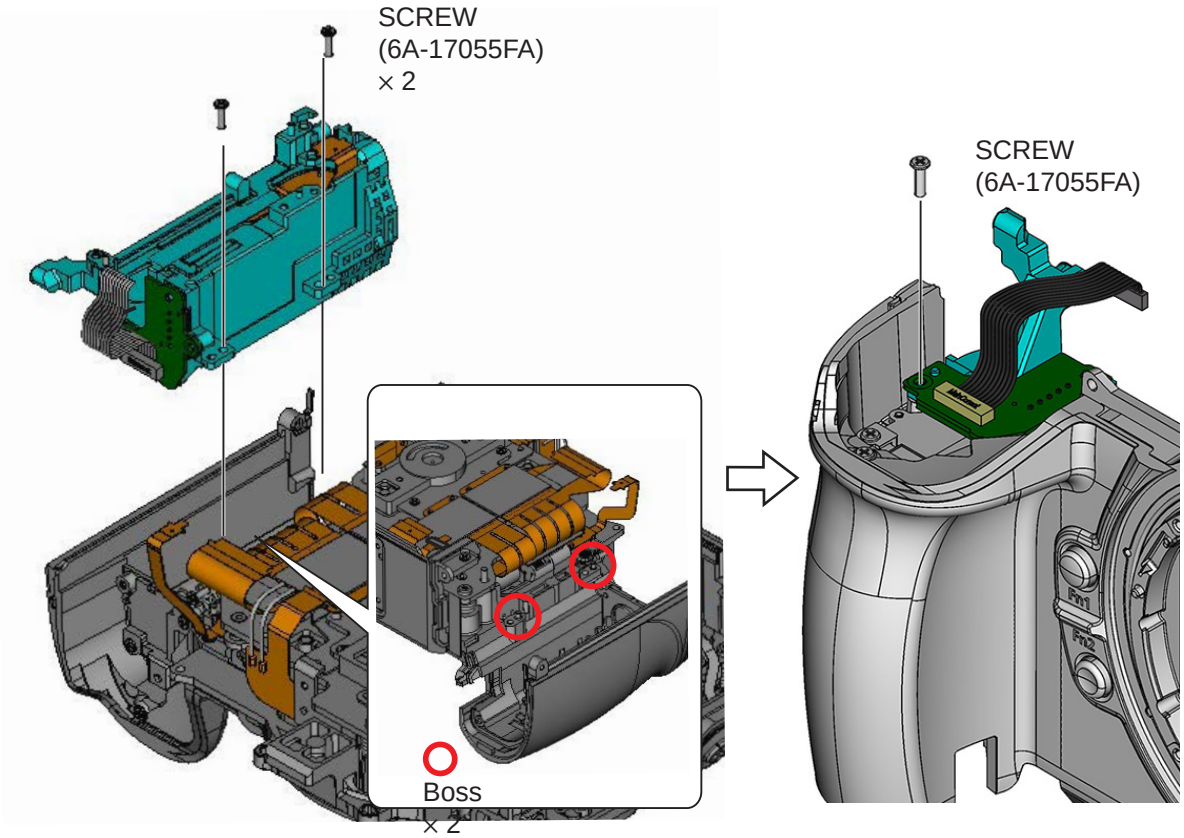
BATTERY BOX UNIT



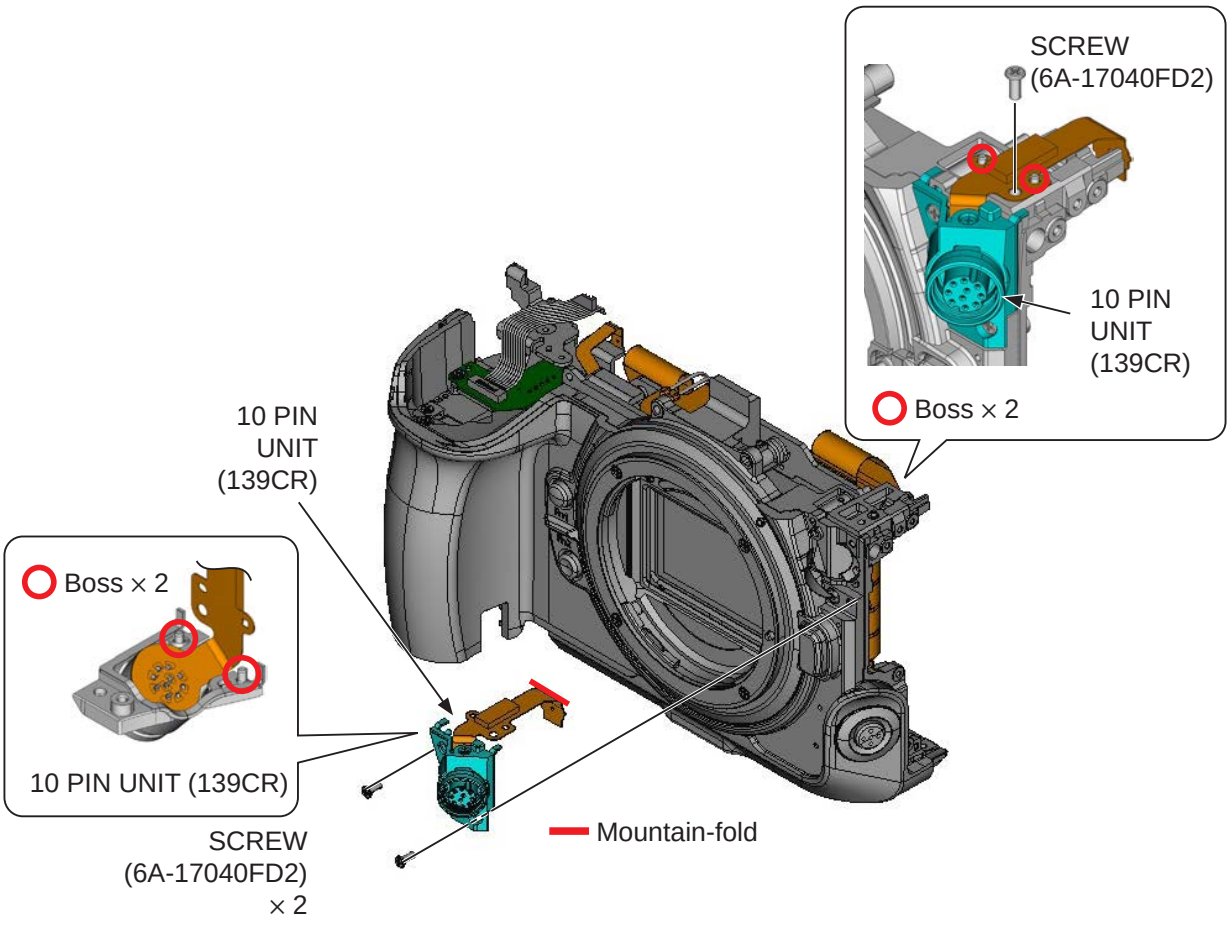


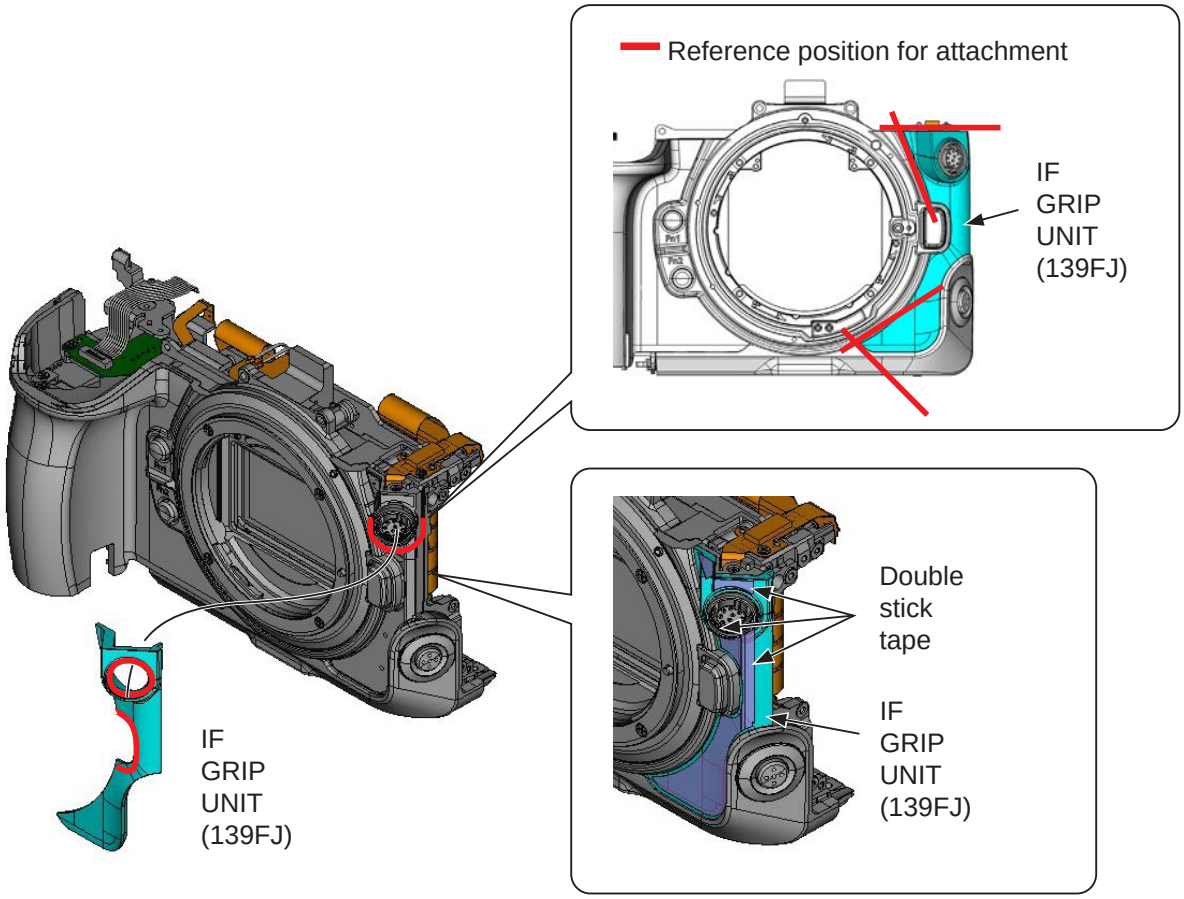

Boss
× 3
GND
plate


SCREW
(6A-17040FA)
Boss
× 2
CABLE
UNIT
(137FX)
BATTERY
CONTACT PCB
UINT (137FU)

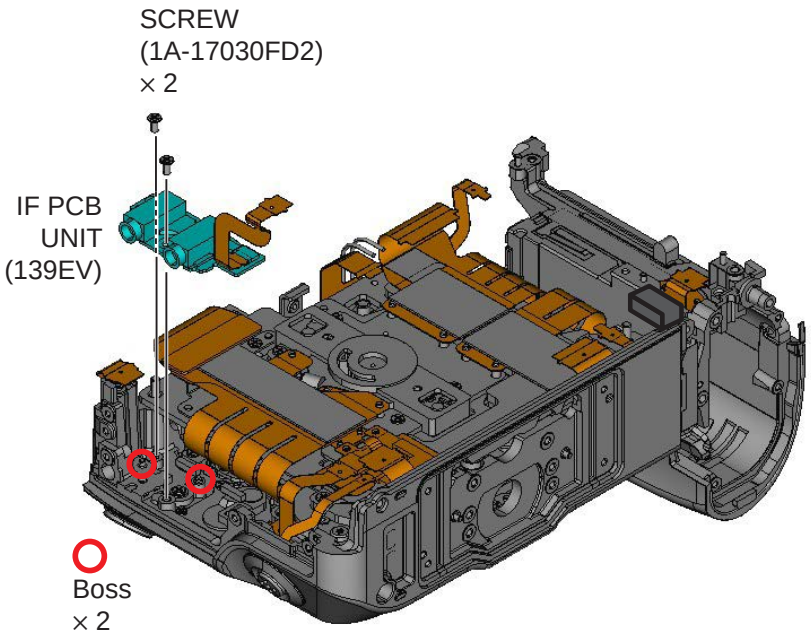

SCREW
(6A-17055FA)
× 2
SCREW
(6A-17055FA)
Boss
× 2

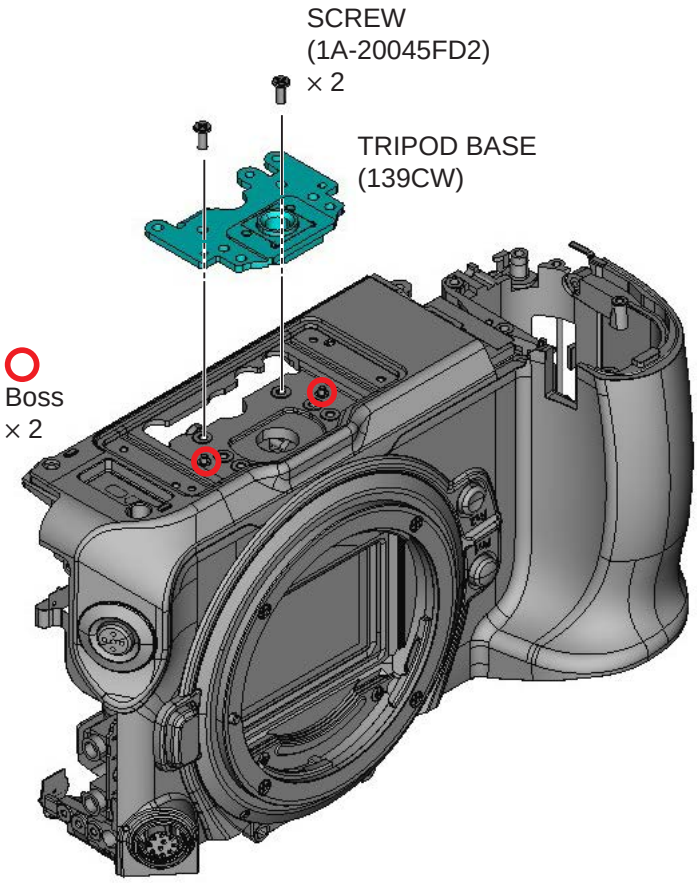
10 PIN UNIT


SCREW
(6A-17040FD2)
10 PIN
UNIT
(139CR)
Boss × 2
10 PIN
UNIT
(139CR)
Boss × 2
10 PIN UNIT (139CR)
SCREW
(6A-17040FD2)
× 2
Mountain-fold

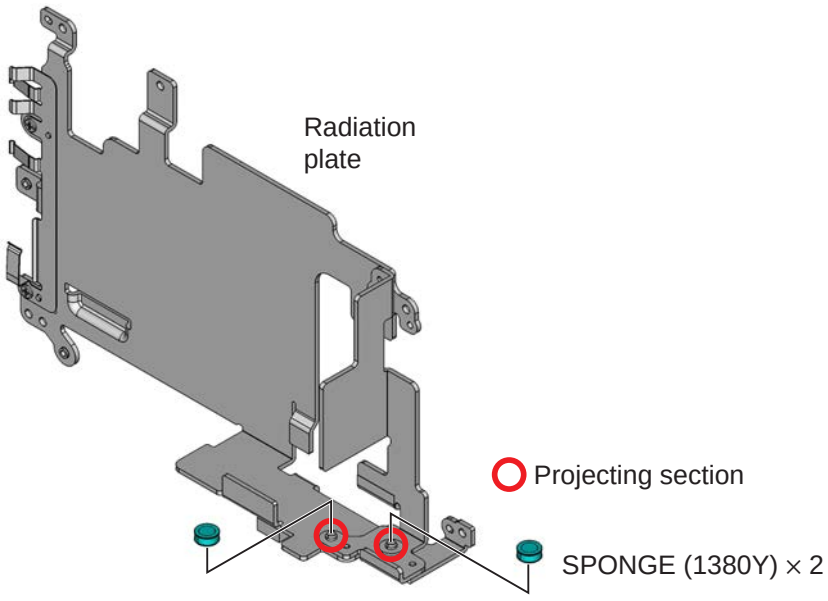

Reference position for attachment
IF
GRIP
UNIT
(139FJ)
IF
GRIP
UNIT
(139FJ)
Double
stick
tape
IF
GRIP
UNIT
(139FJ)

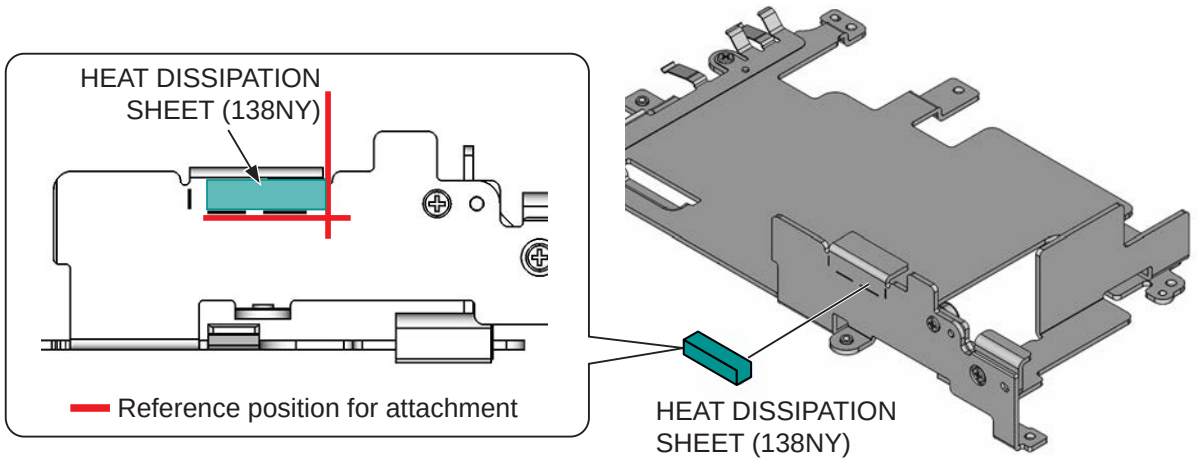
IF PCB UNIT

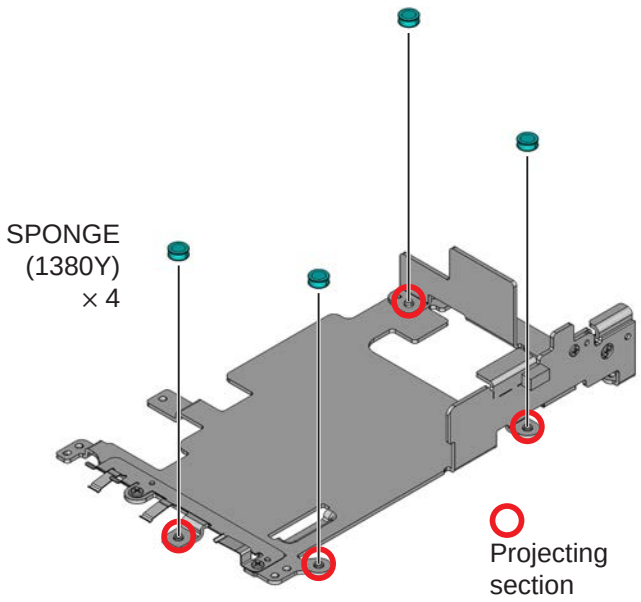

SCREW
(1A-17030FD2)
× 2
IF PCB
UNIT
(139EV)
Boss
× 2

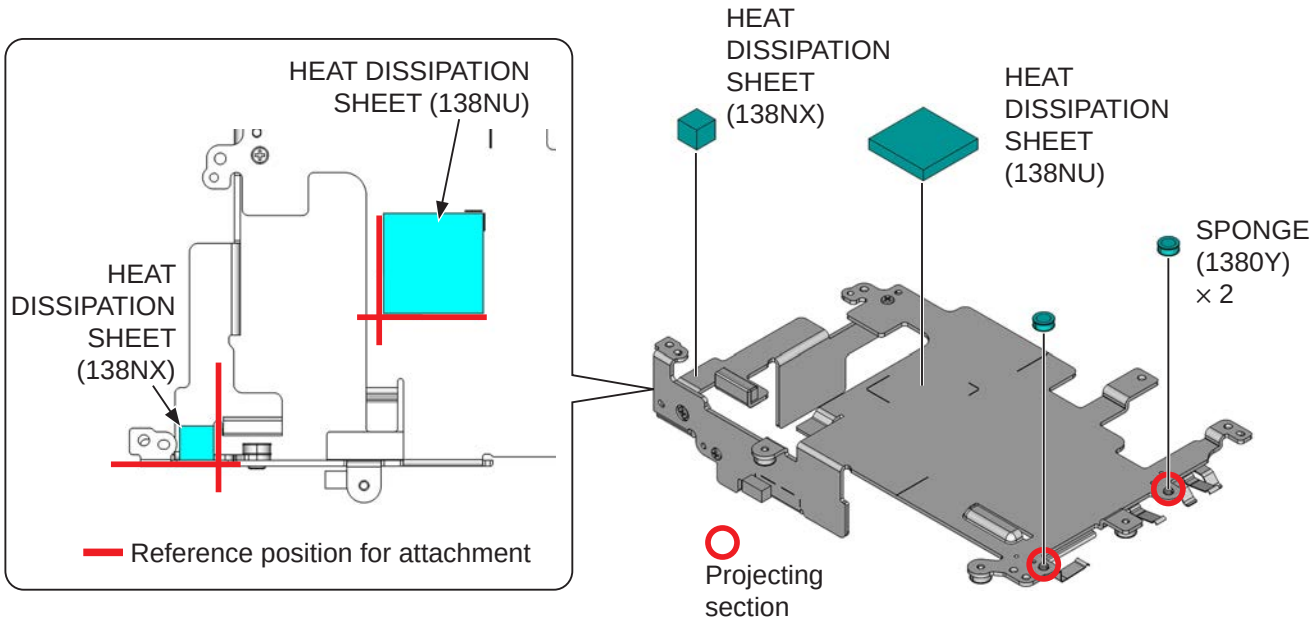


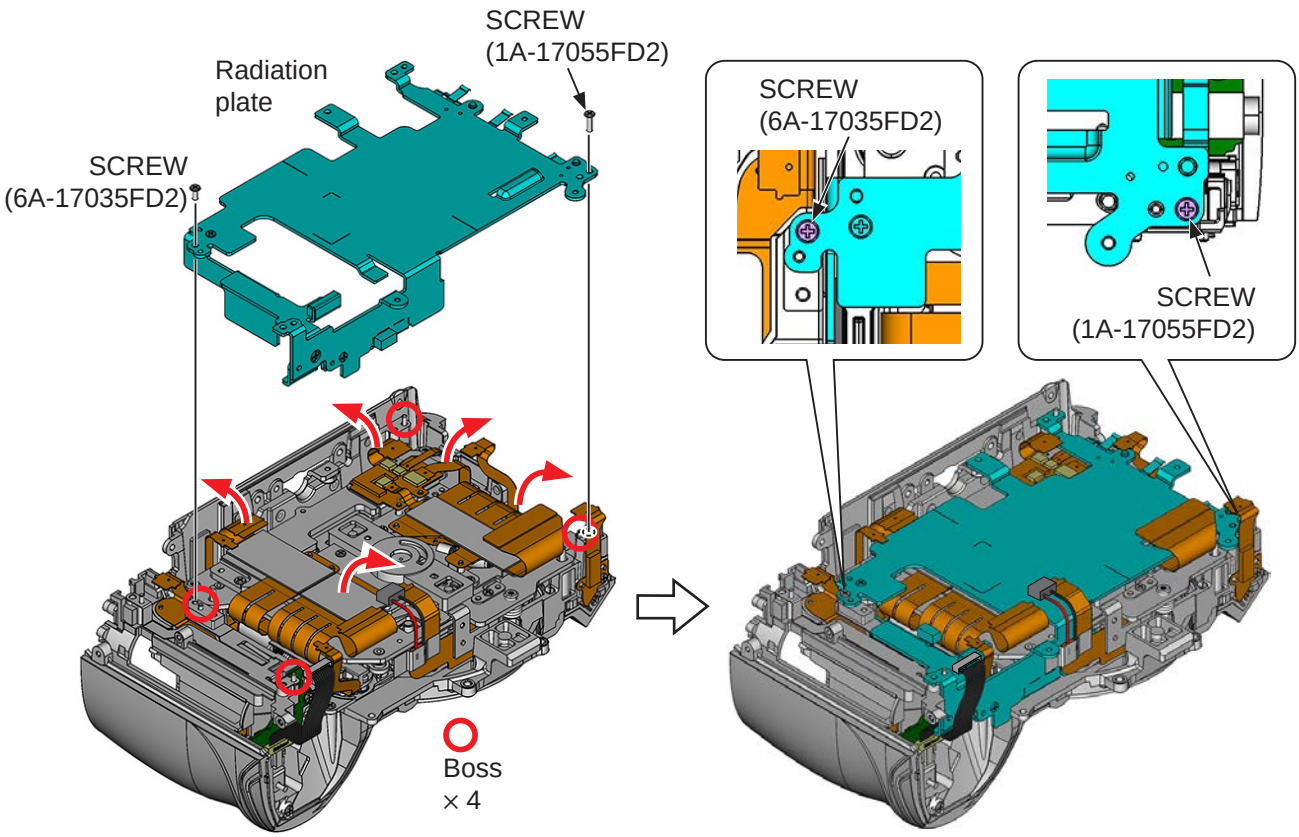
MAIN PCB UNIT

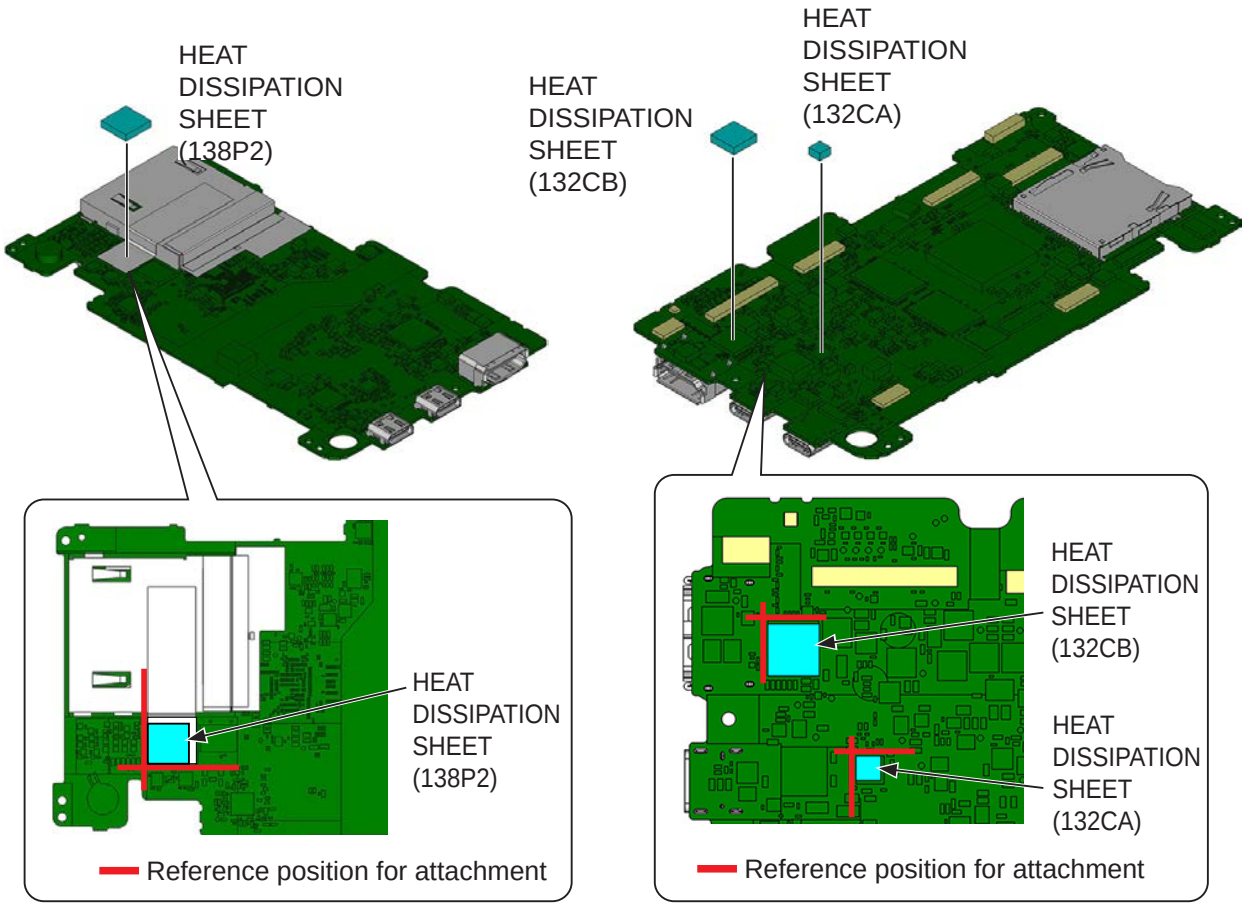


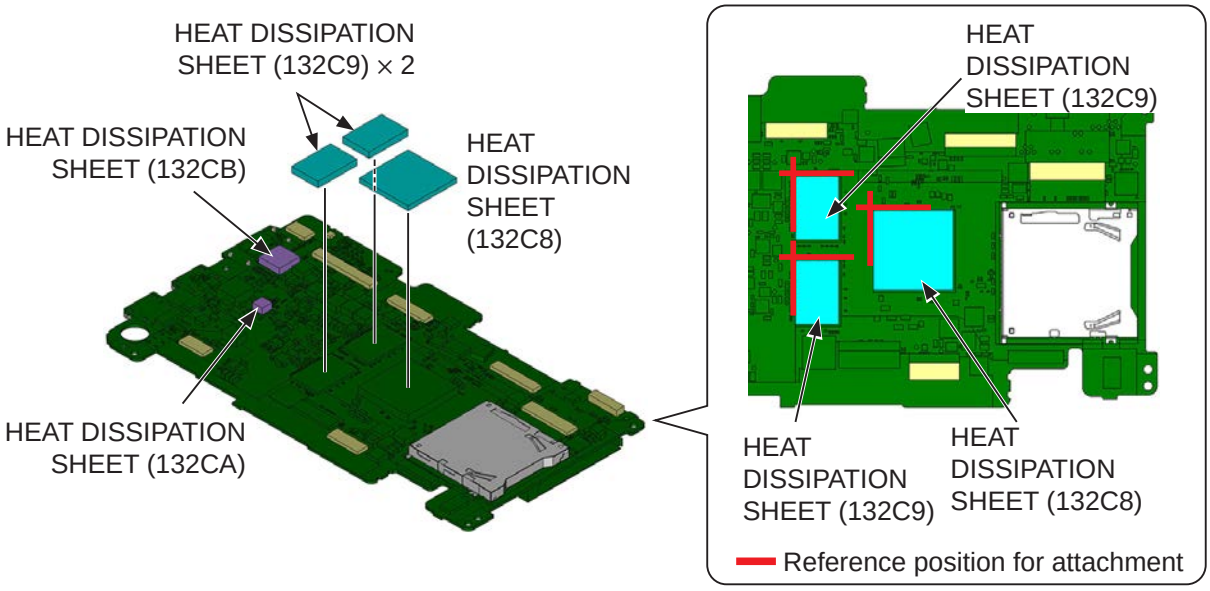

HEAT DISSIPATION
SHEET (138NY)
Reference position for attachment
HEAT DISSIPATION
SHEET (138NY)

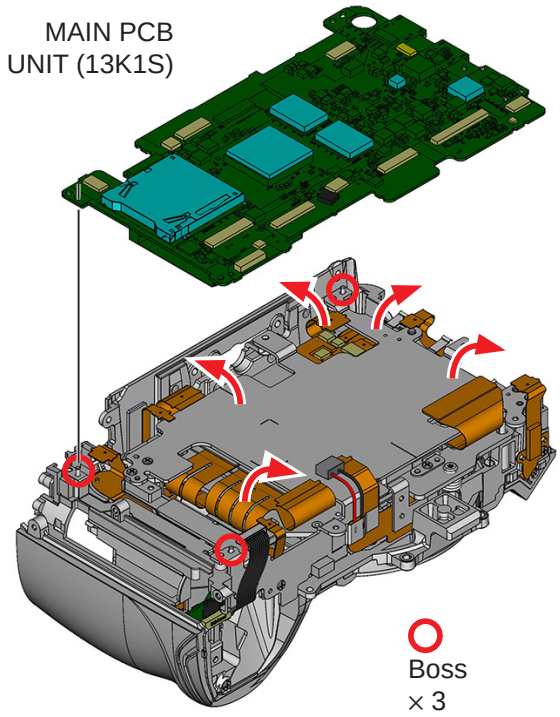

SPONGE
(1380Y)
× 4
Projecting
section

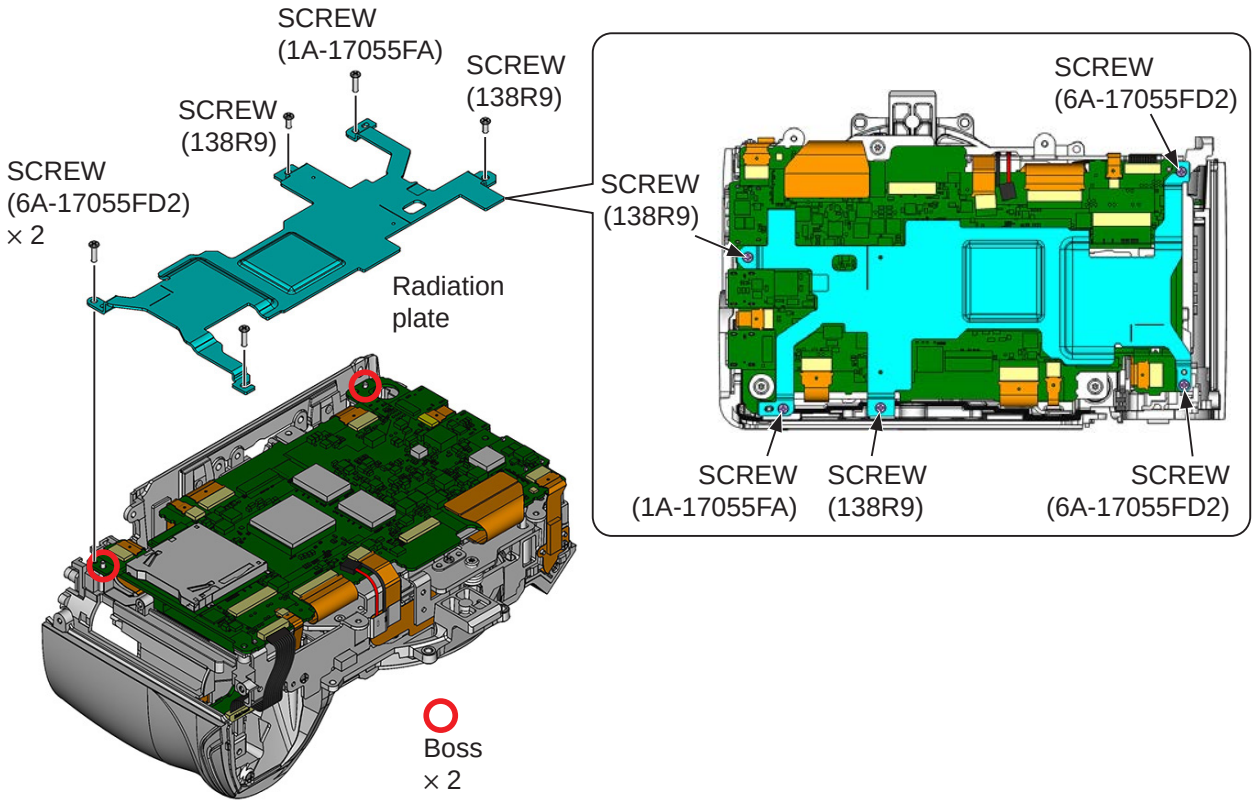

HEAT DISSIPATION SHEET (138NU)
HEAT DISSIPATION SHEET (138NX)
Reference position for attachment
HEAT DISSIPATION SHEET (138NX)
HEAT DISSIPATION SHEET (138NU)
SPONGE (1380Y) × 2
Projecting section

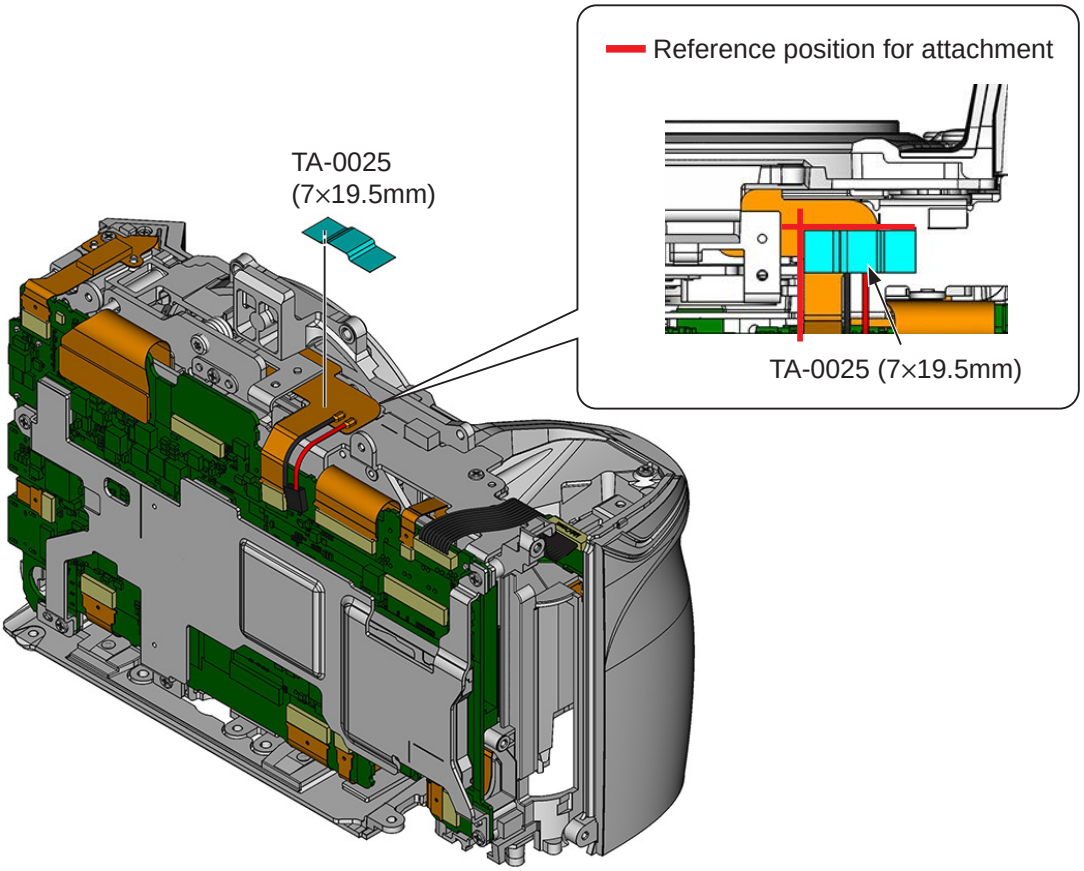

SCREW (1A-17055FD2)
Radiation plate
SCREW (6A-17035FD2)
Boss × 4
SCREW (6A-17035FD2)
SCREW (1A-17055FD2)

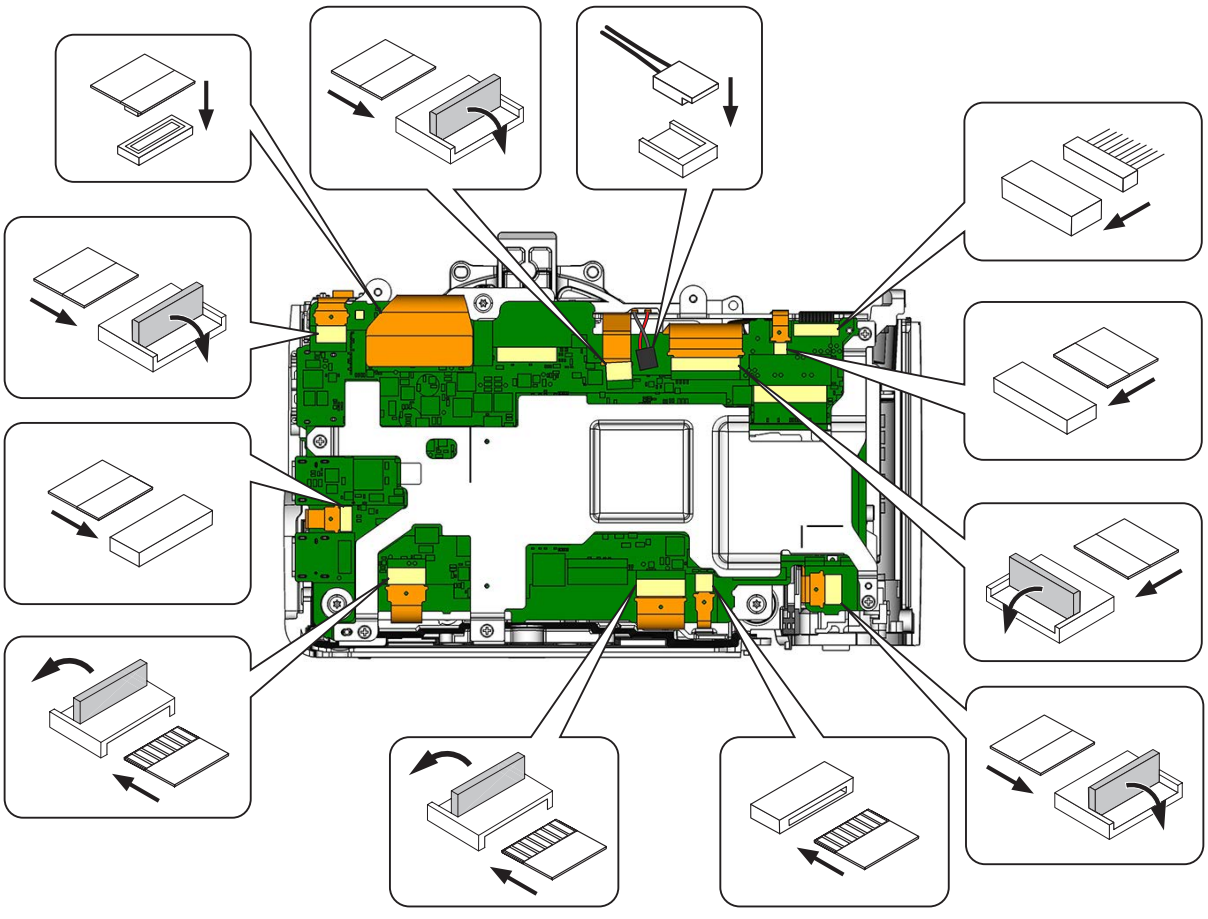

HEAT DISSIPATION SHEET (138P2)
HEAT DISSIPATION SHEET (132CB)
HEAT DISSIPATION SHEET (132CA)
HEAT DISSIPATION SHEET (138P2)
HEAT DISSIPATION SHEET (132CB)
HEAT DISSIPATION SHEET (132CA)
Reference position for attachment
Reference position for attachment


HEAT DISSIPATION SHEET (132C9) × 2
HEAT DISSIPATION SHEET (132CB)
HEAT DISSIPATION SHEET (132C8)
HEAT DISSIPATION SHEET (132CA)
HEAT DISSIPATION SHEET (132C9)
HEAT DISSIPATION SHEET (132C9)
HEAT DISSIPATION SHEET (132C8)
Reference position for attachment


MAIN PCB
UNIT (13K1S)
Boss
× 3

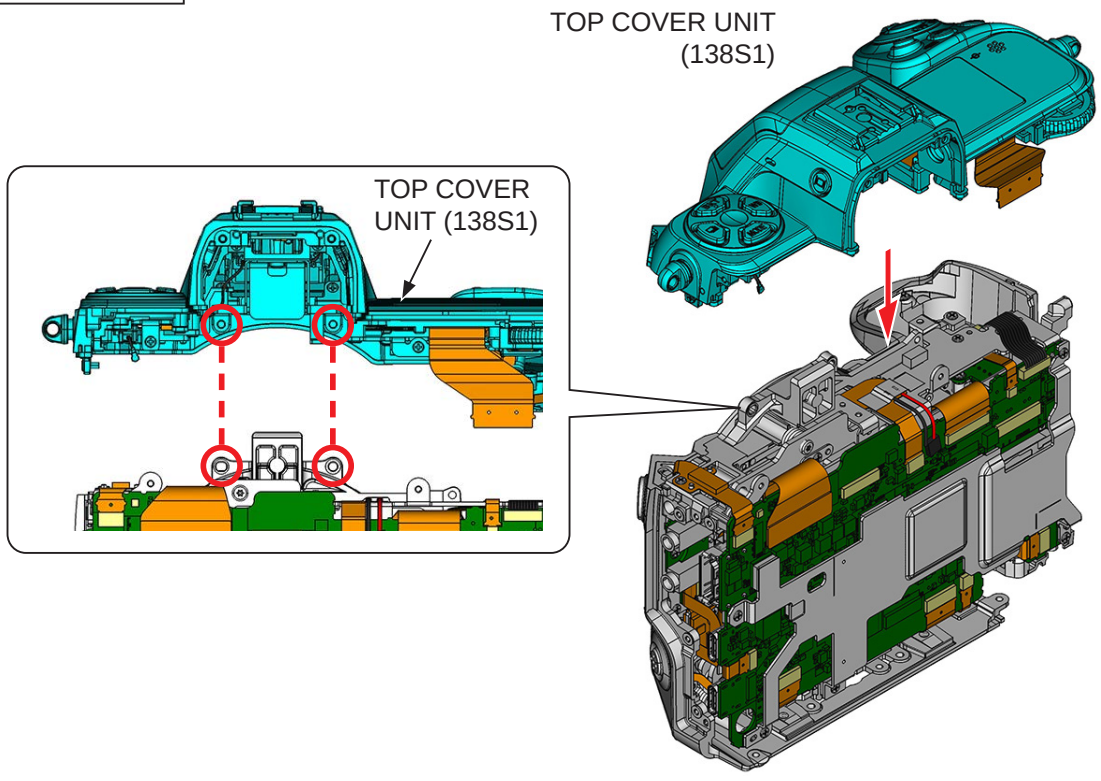

SCREW
(1A-17055FA)
SCREW
(138R9)
SCREW
(138R9)
SCREW
(6A-17055FD2)
× 2
Radiation
plate
Boss
× 2
SCREW
(6A-17055FD2)
SCREW
(138R9)
SCREW
(1A-17055FA)
SCREW
(138R9)
SCREW
(6A-17055FD2)

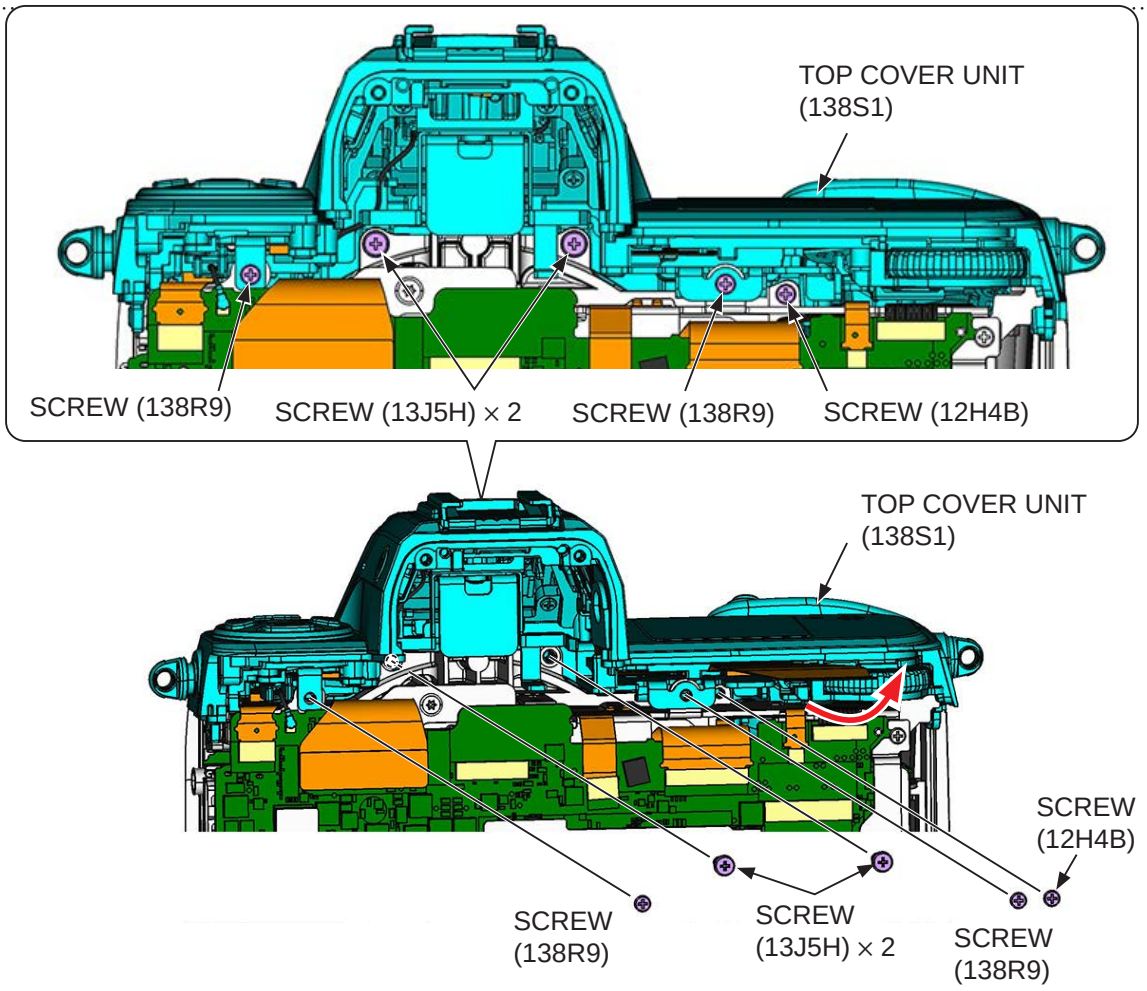

Reference position for attachment
TA-0025 (7×19.5mm)
TA-0025
(7×19.5mm)

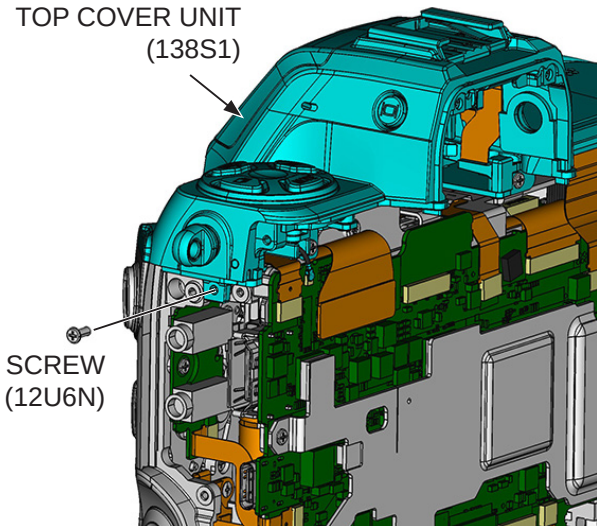


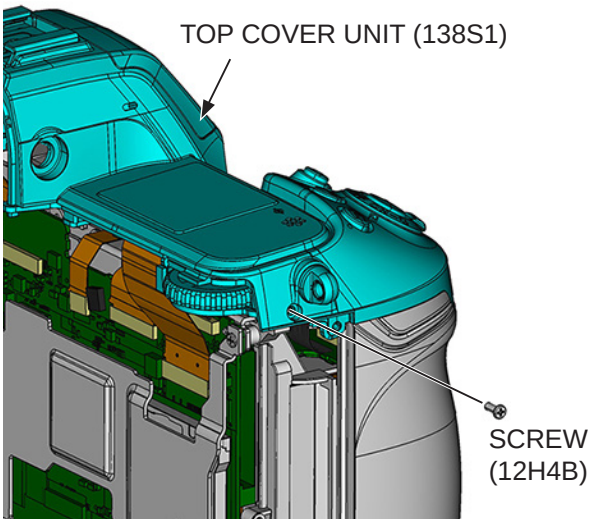
5. External parts

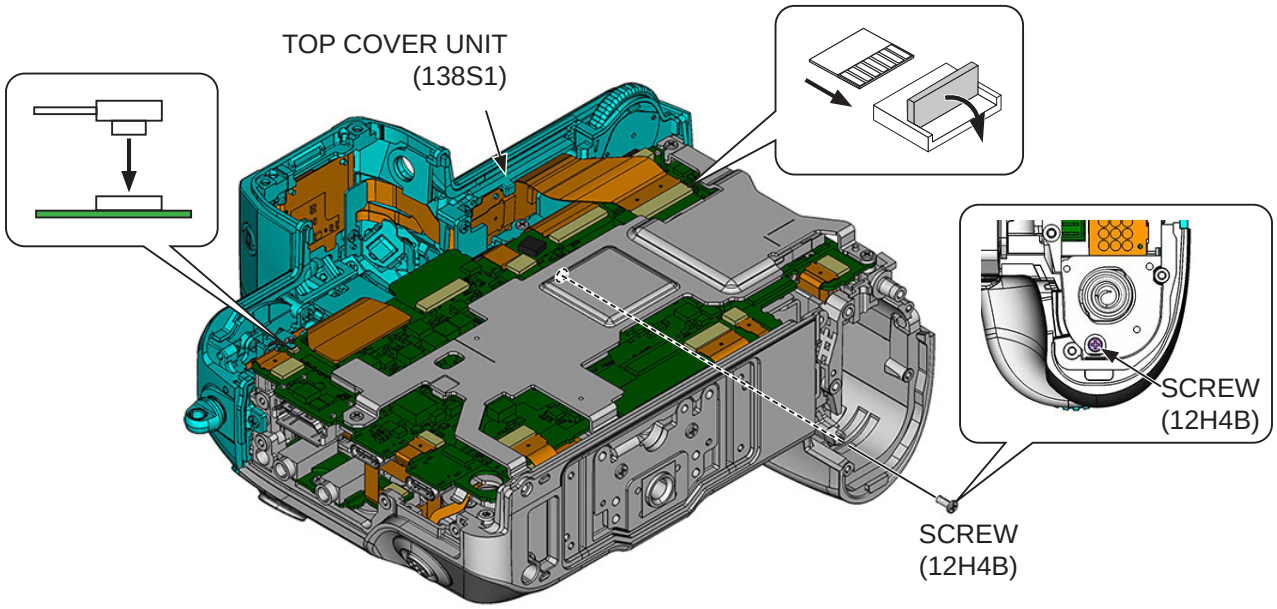
TOP COVER UNIT

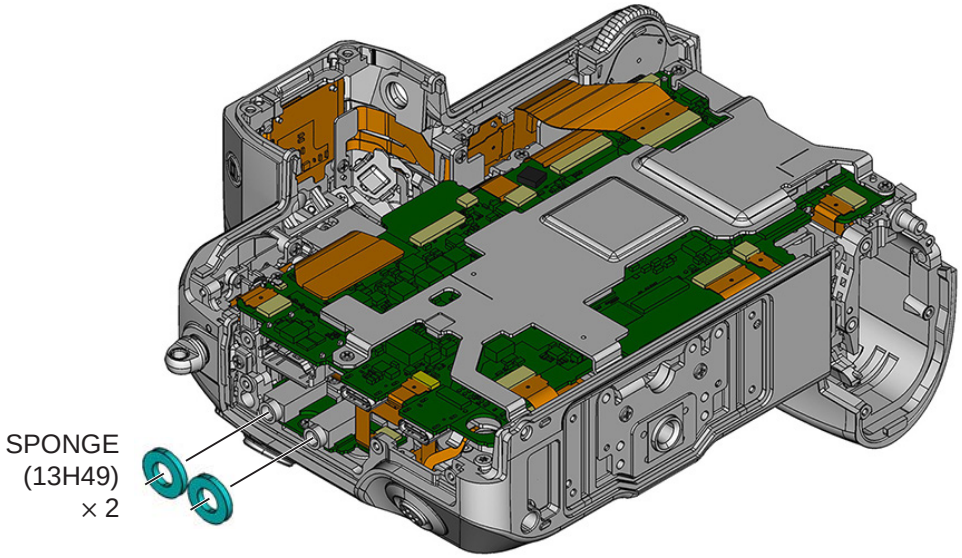


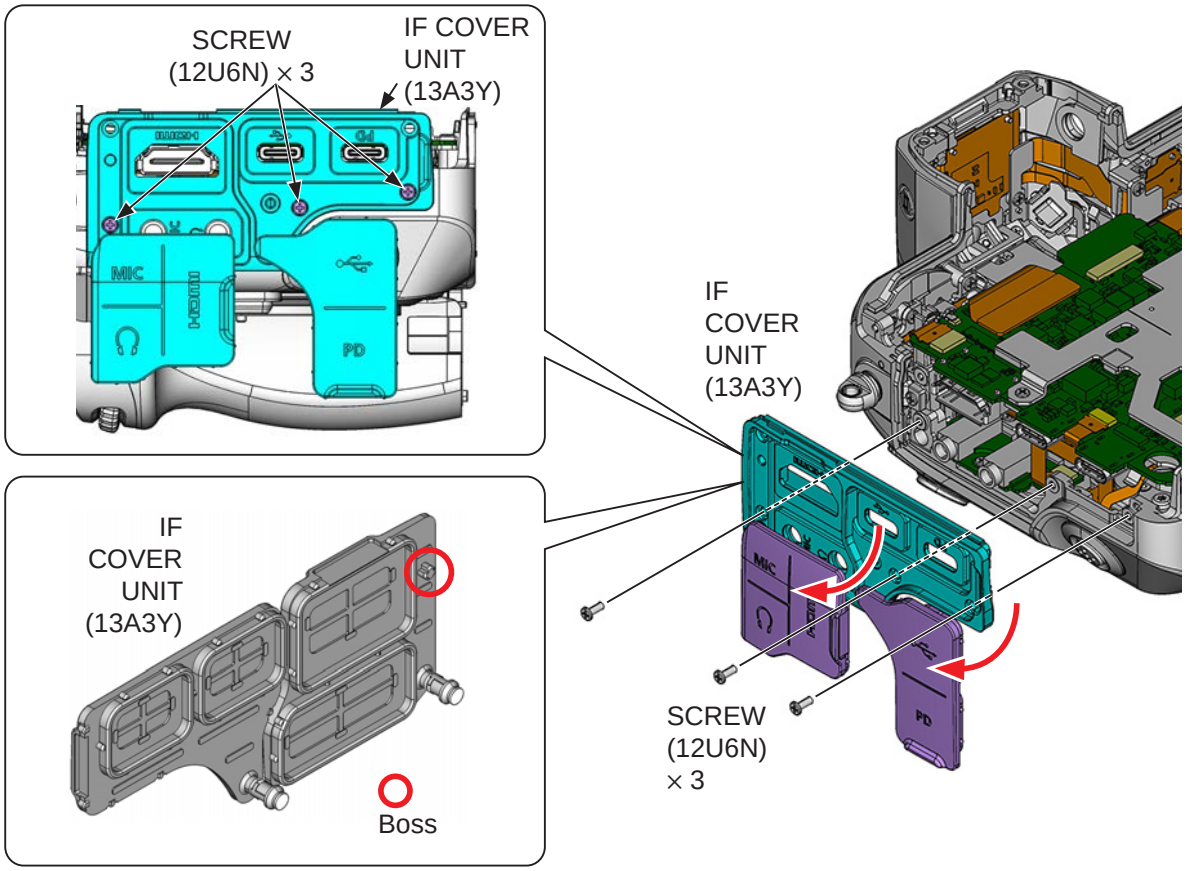


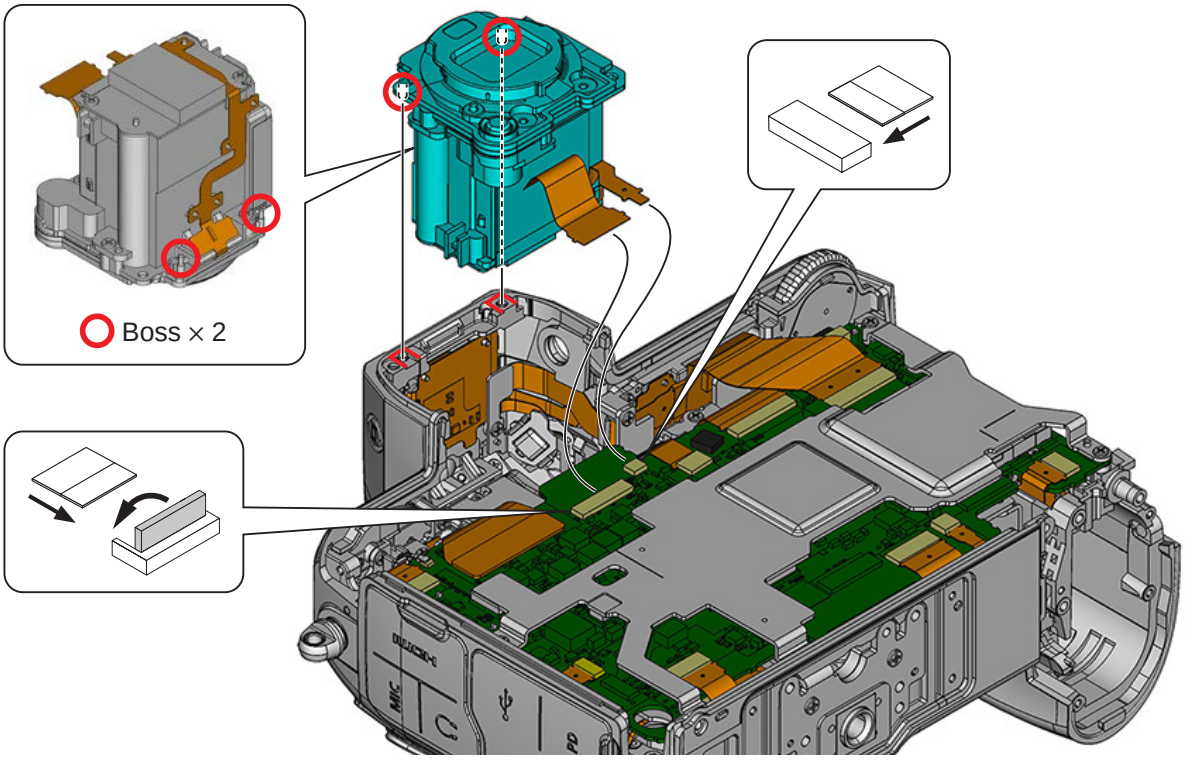

TOP COVER UNIT
(138S1)
SCREW
(12U6N)


TOP COVER UNIT (138S1)
SCREW
(12H4B)

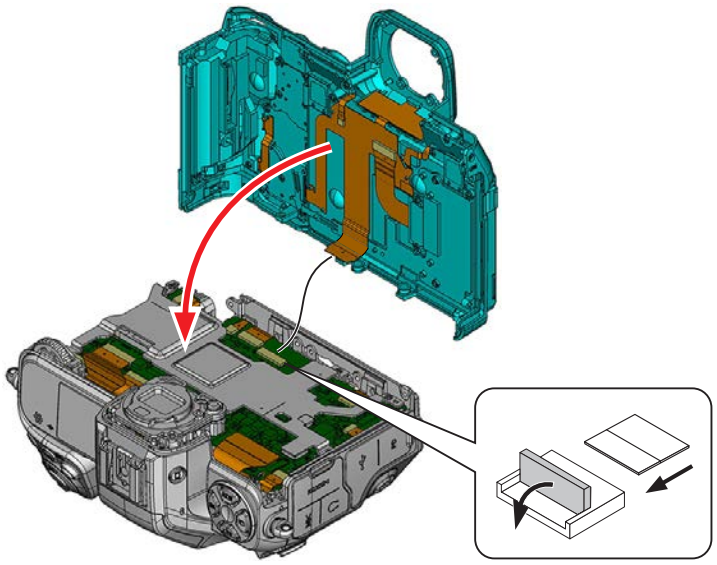

TOP COVER UNIT
(138S1)
SCREW
(12H4B)
SCREW
(12H4B)

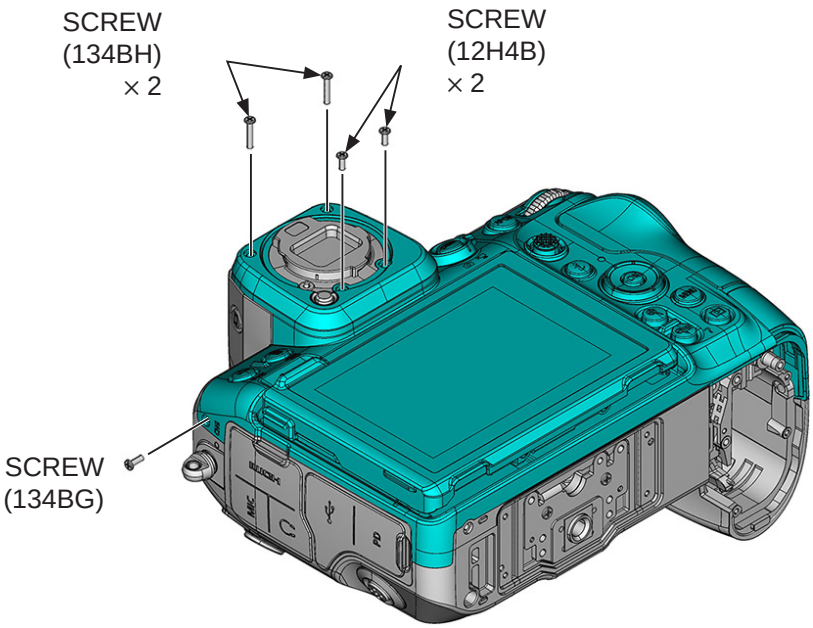

SPONGE
(13H49)
× 2

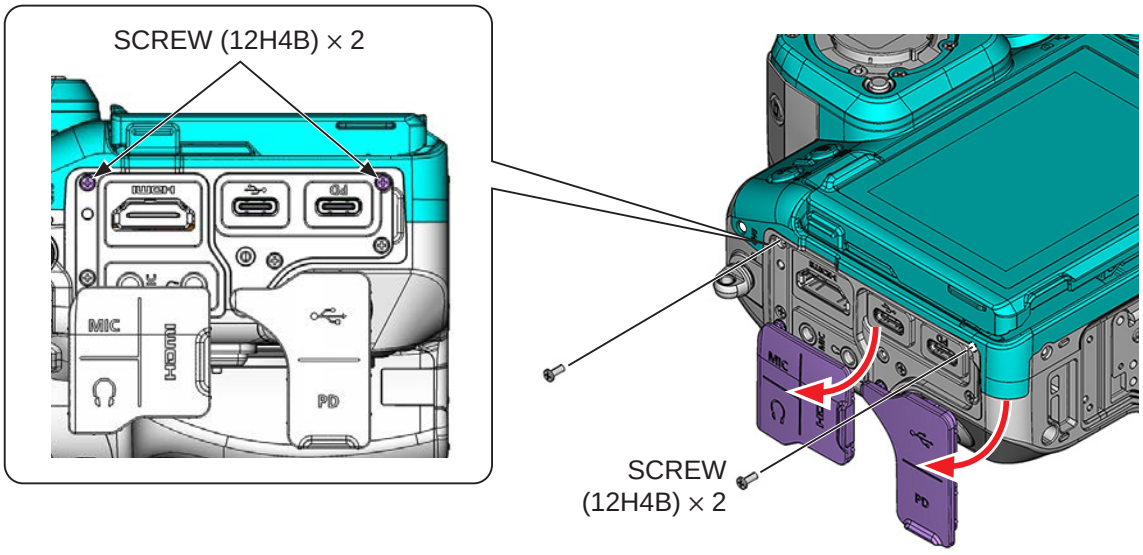

SCREW
(12U6N) × 3
IF COVER
UNIT
(13A3Y)
IF
COVER
UNIT
(13A3Y)
SCREW
(12U6N)
× 3
IF
COVER
UNIT
(13A3Y)
Boss

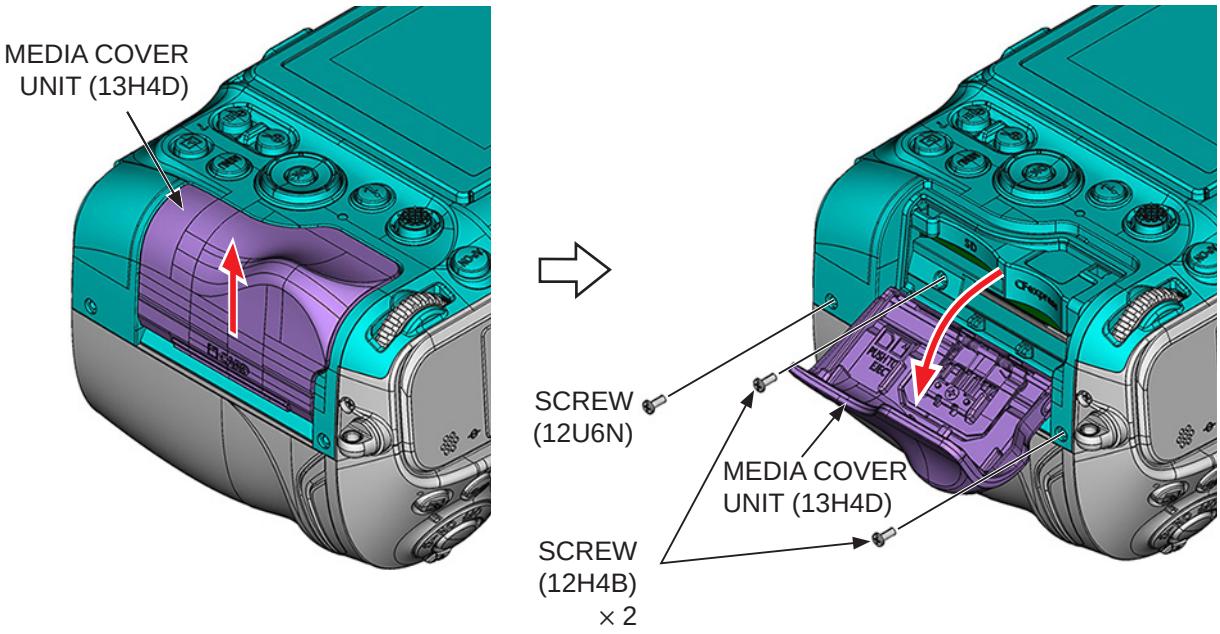

Boss × 2

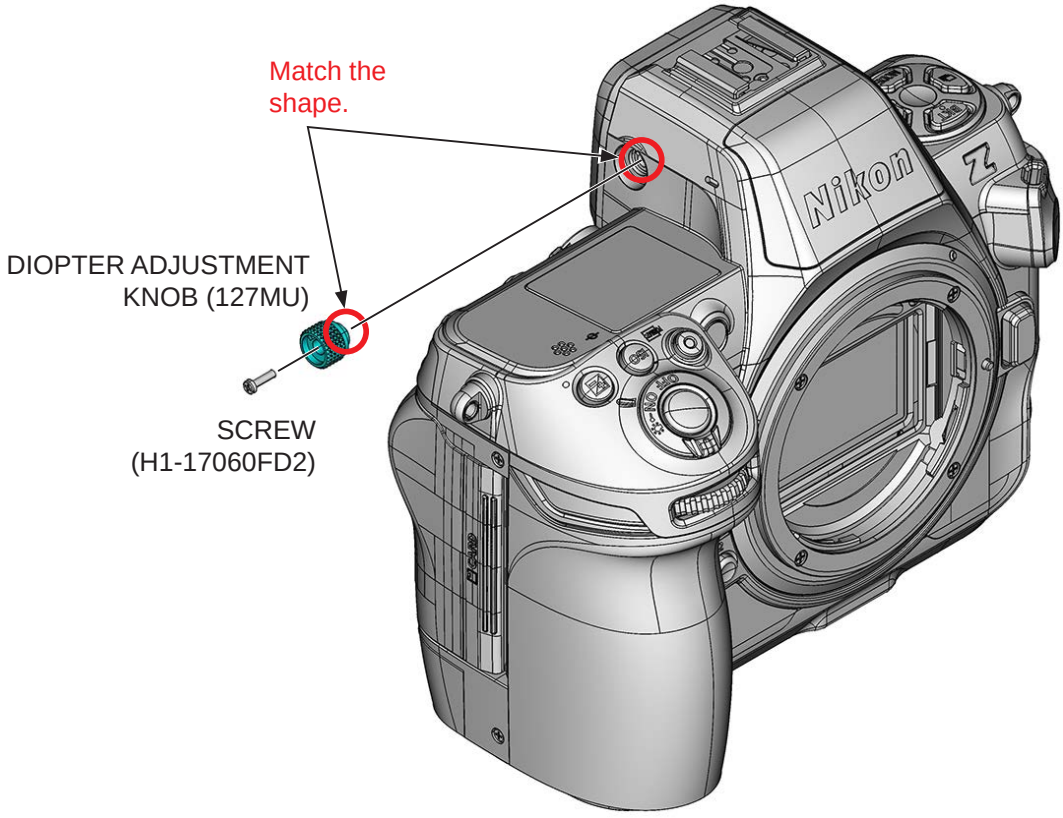
REAR COVER UNIT

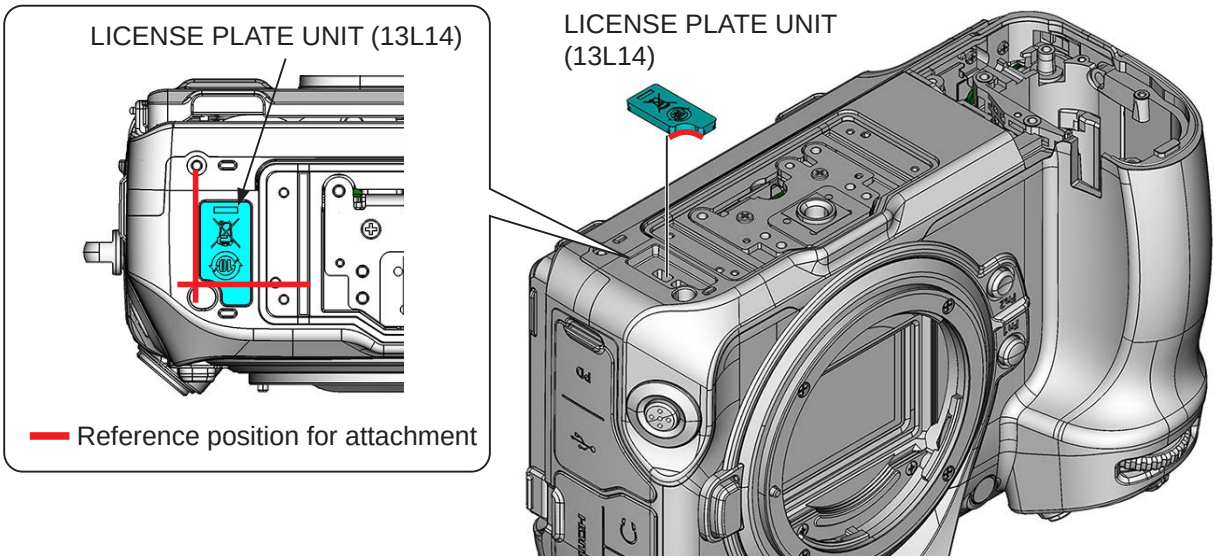


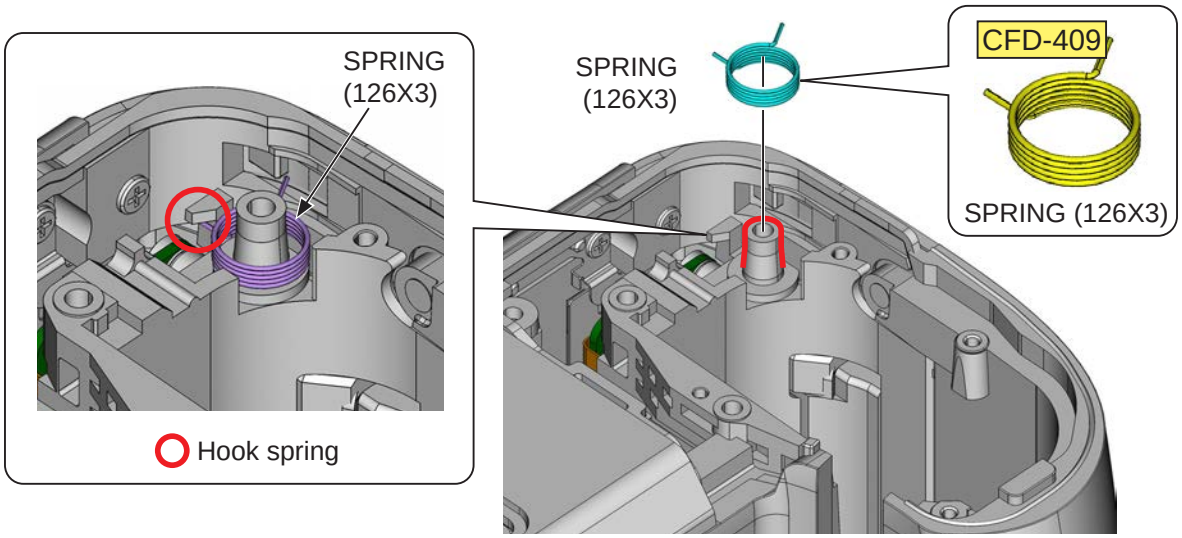


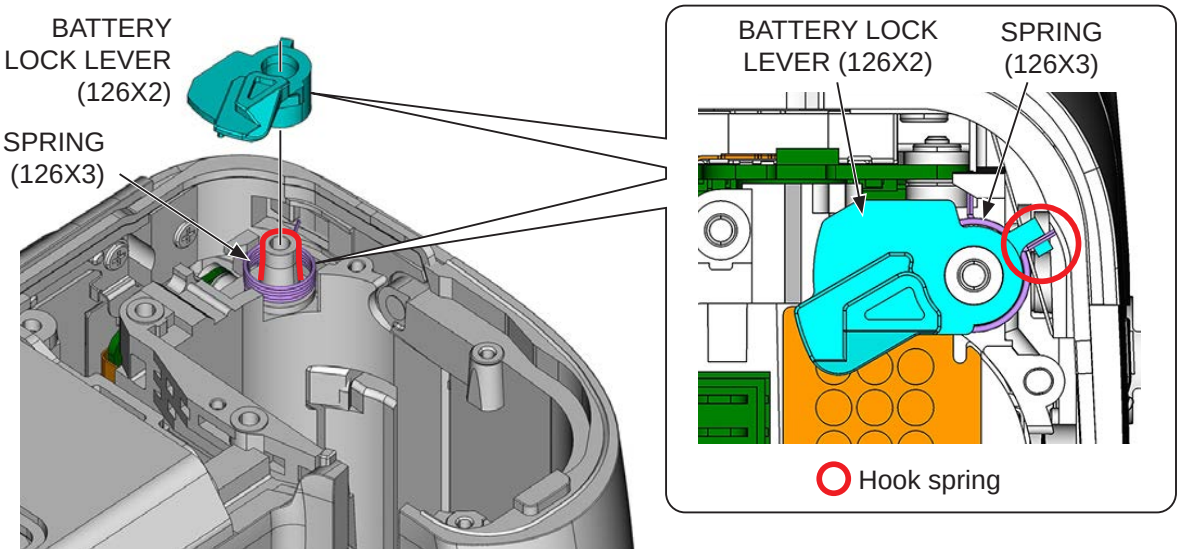


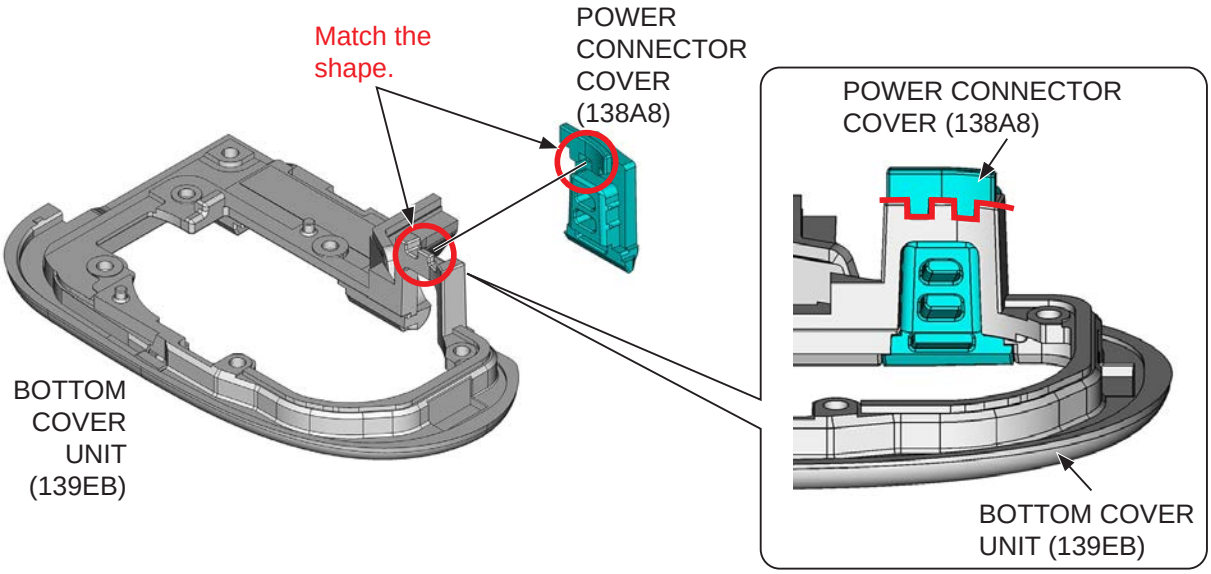

MEDIA COVER
UNIT (13H4D)
SCREW
(12U6N)
MEDIA COVER
UNIT (13H4D)
SCREW
(12H4B)
× 2

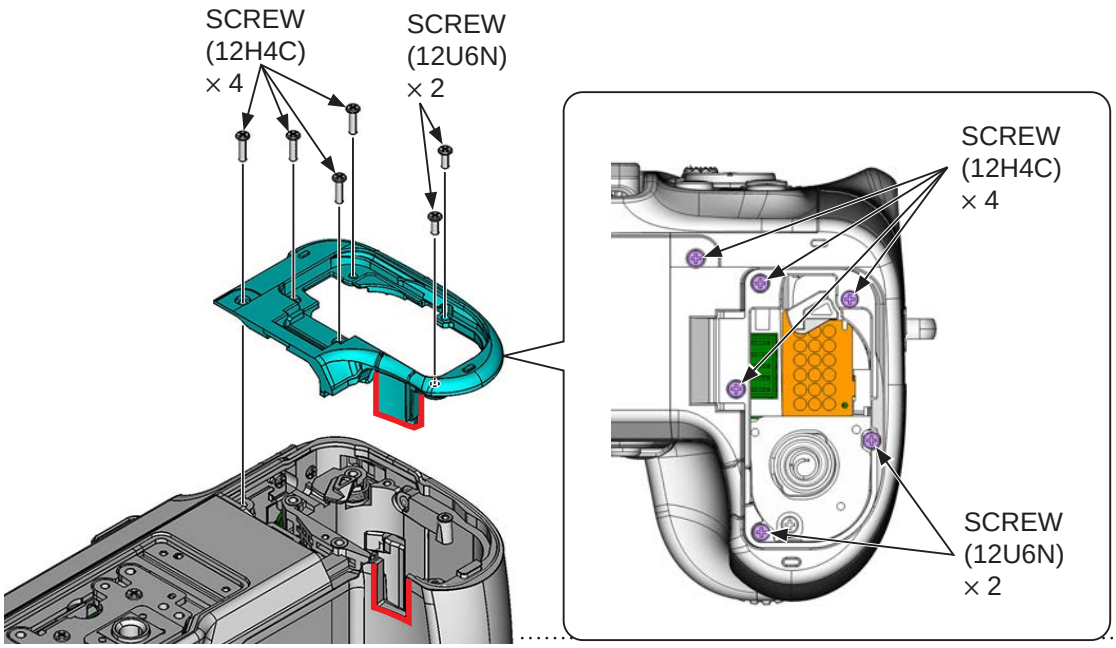

Match the
shape.
DIOPTER ADJUSTMENT
KNOB (127MU)
SCREW
(H1-17060FD2)
Nikon

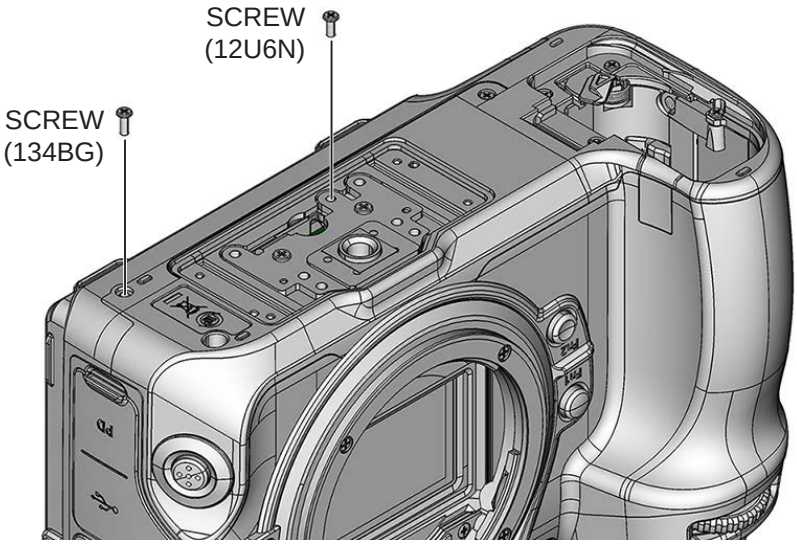

LICENSE PLATE UNIT (13L14)
Reference position for attachment
LICENSE PLATE UNIT
(13L14)

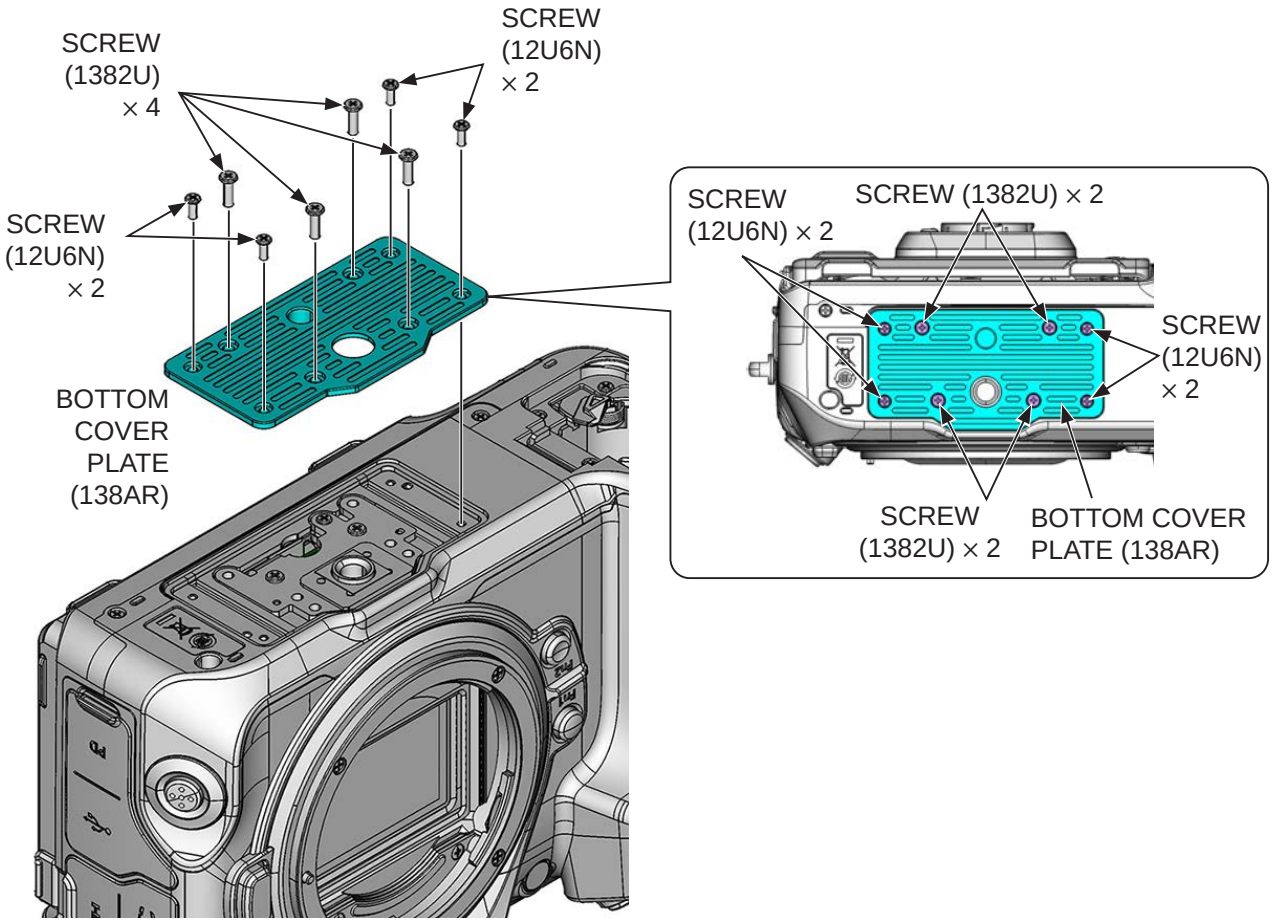

SPRING
(126X3)
Hook spring
SPRING
(126X3)
CFD-409
SPRING (126X3)


BATTERY
LOCK LEVER
(126X2)
SPRING
(126X3)
BATTERY LOCK
LEVER (126X2)
SPRING
(126X3)
Hook spring

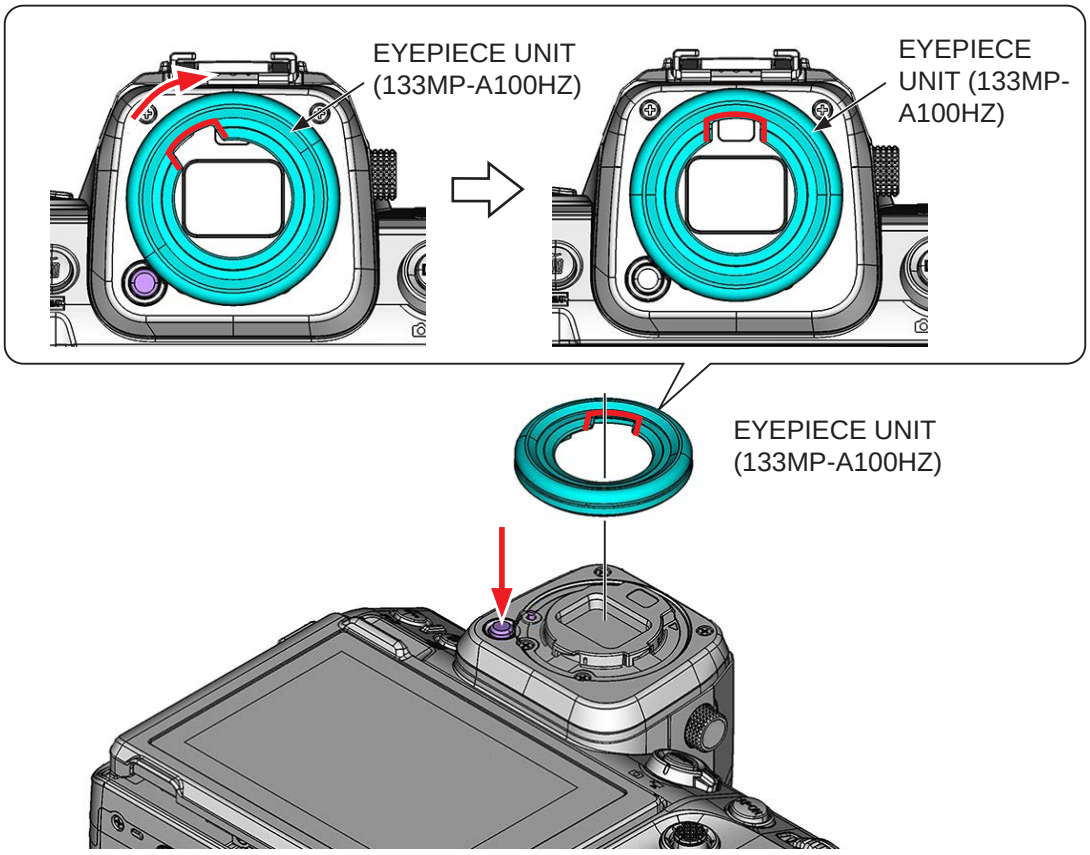

Match the shape.
POWER CONNECTOR COVER (138A8)
BOTTOM COVER UNIT (139EB)
POWER CONNECTOR COVER (138A8)
BOTTOM COVER UNIT (139EB)


SCREW (12H4C) × 4
SCREW (12U6N) × 2
SCREW (12H4C) × 4
SCREW (12U6N) × 2

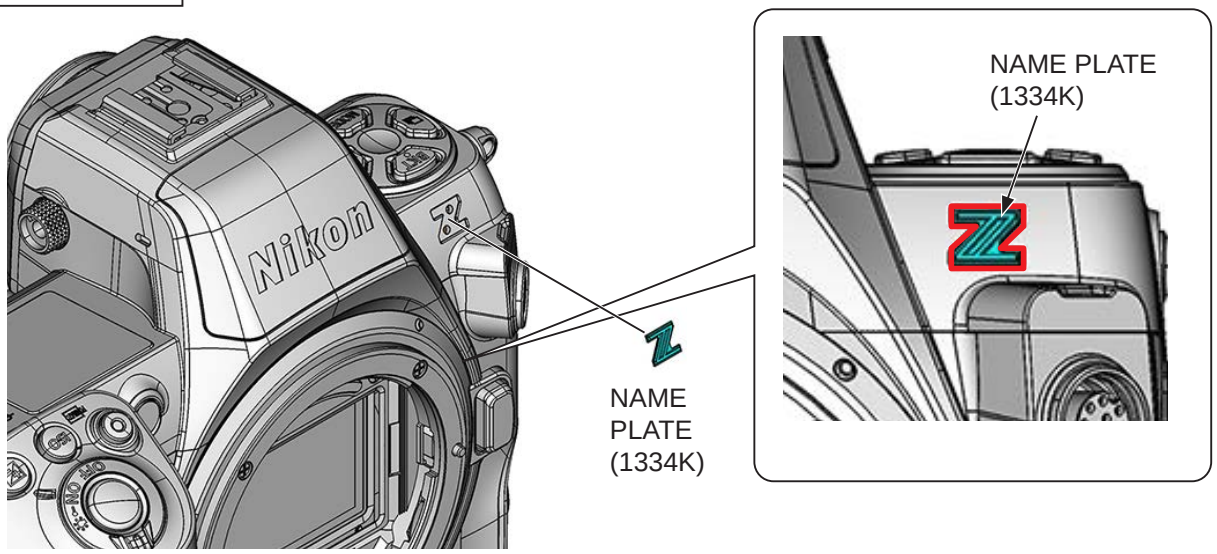

SCREW (12U6N)
SCREW (134BG)



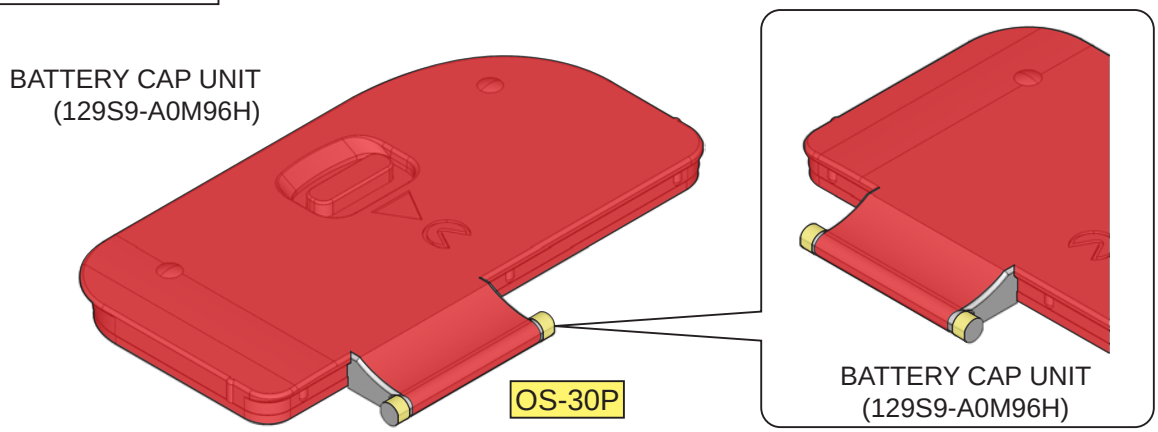
EYEPIECE UNIT



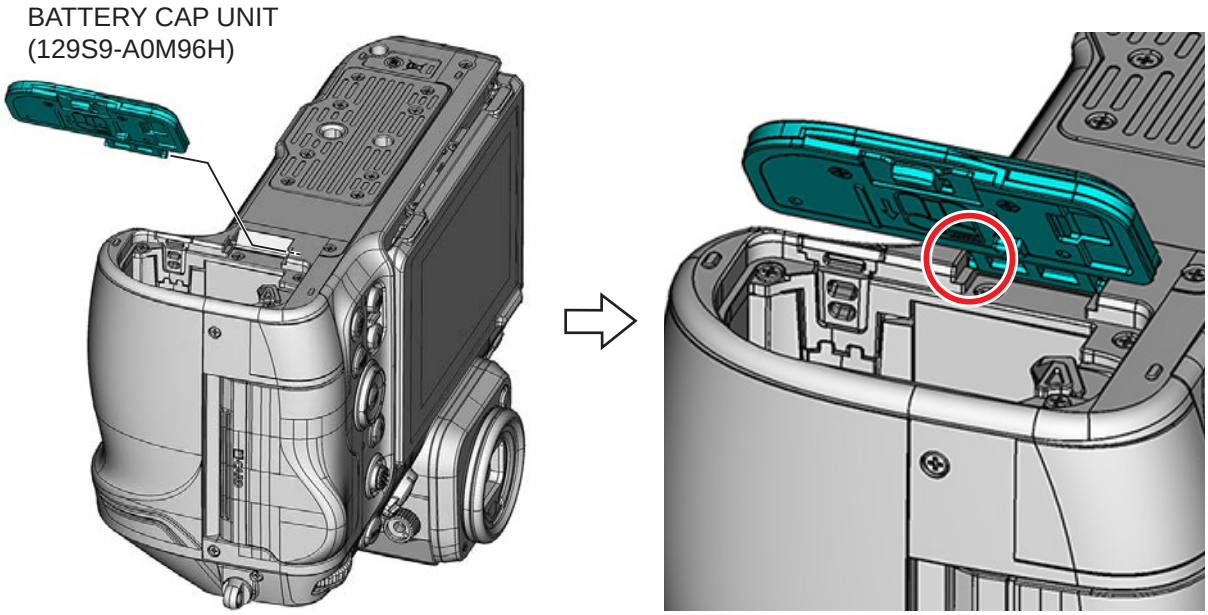
NAME PLATE



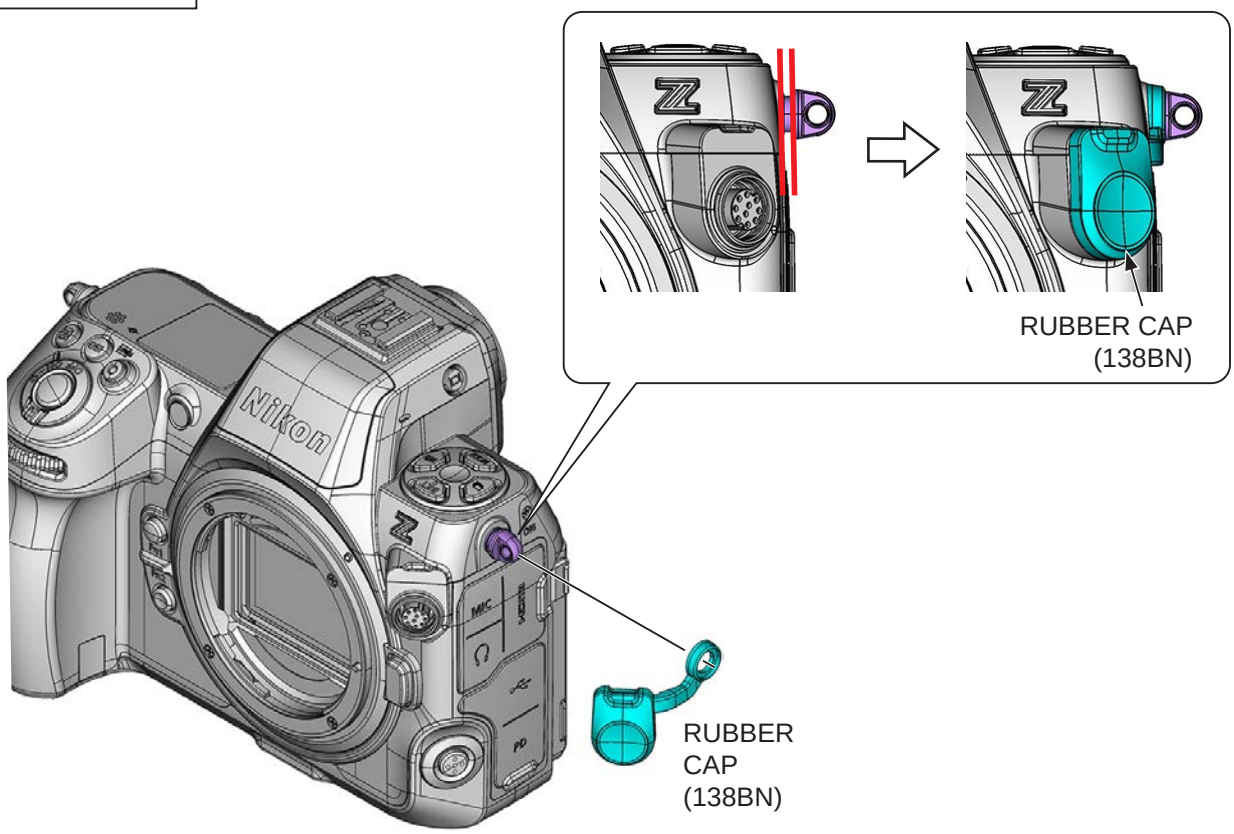
BATTERY CAP UNIT



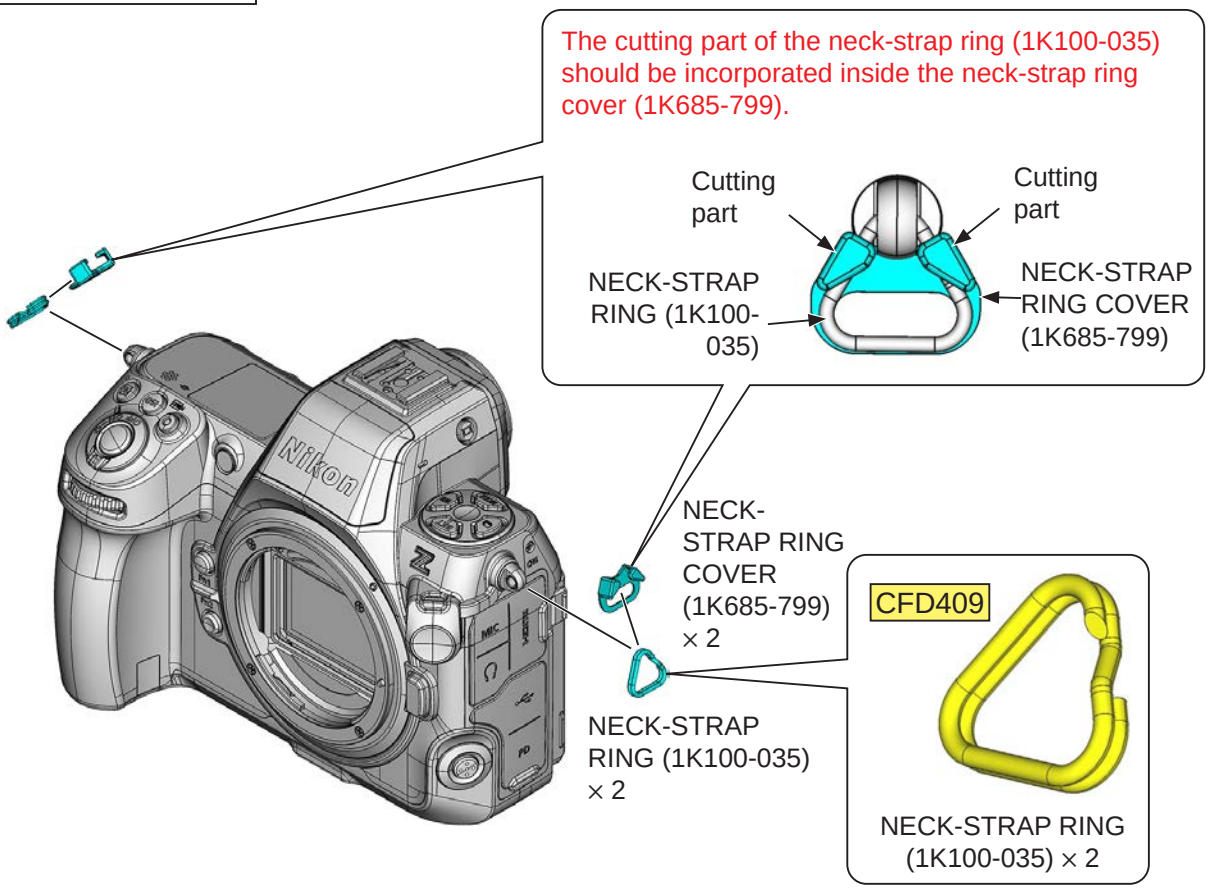
Do NOT apply
to the red area.

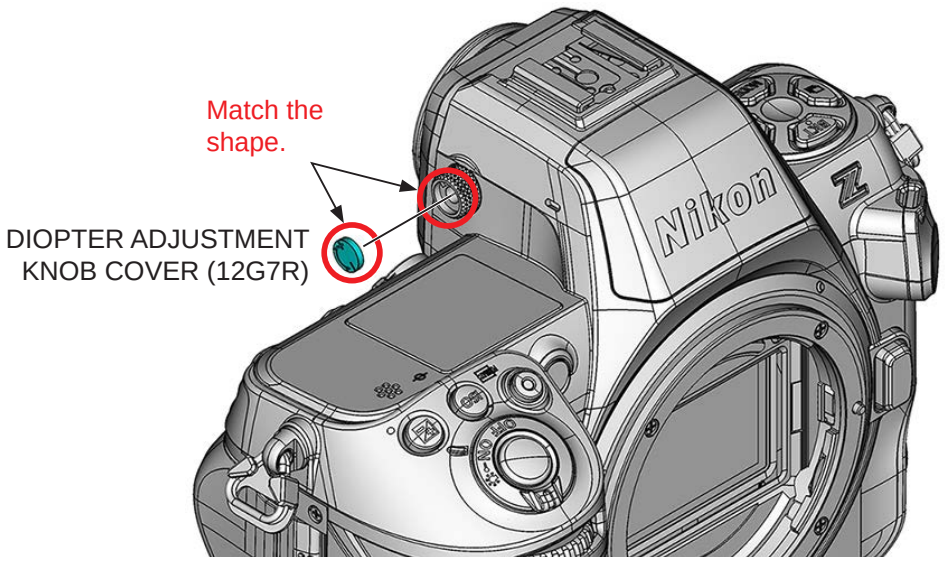


RUBBER CAP

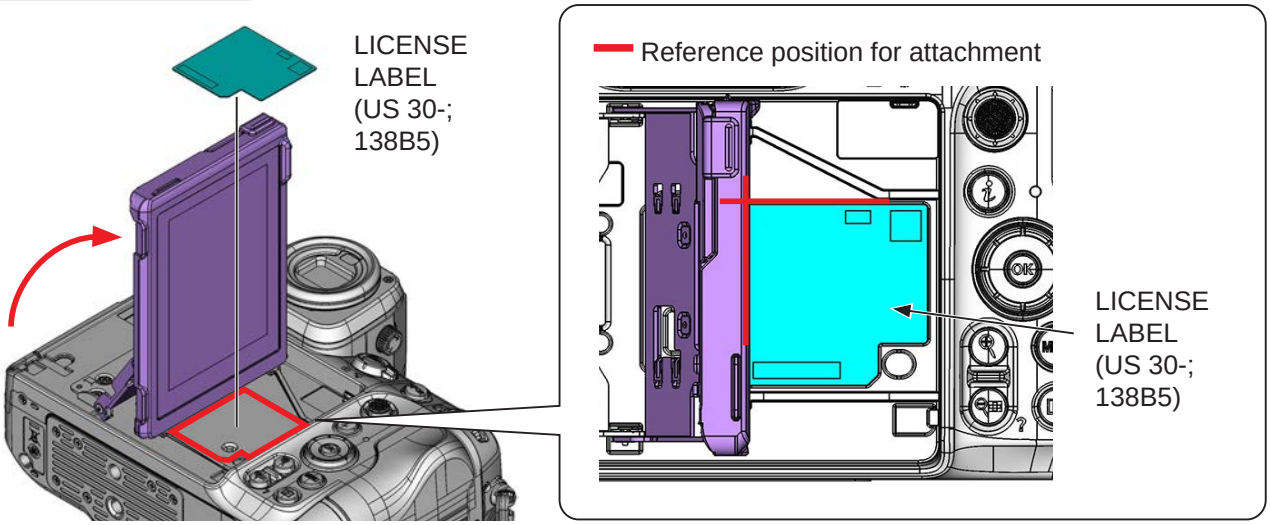


NECK-STRAP RING

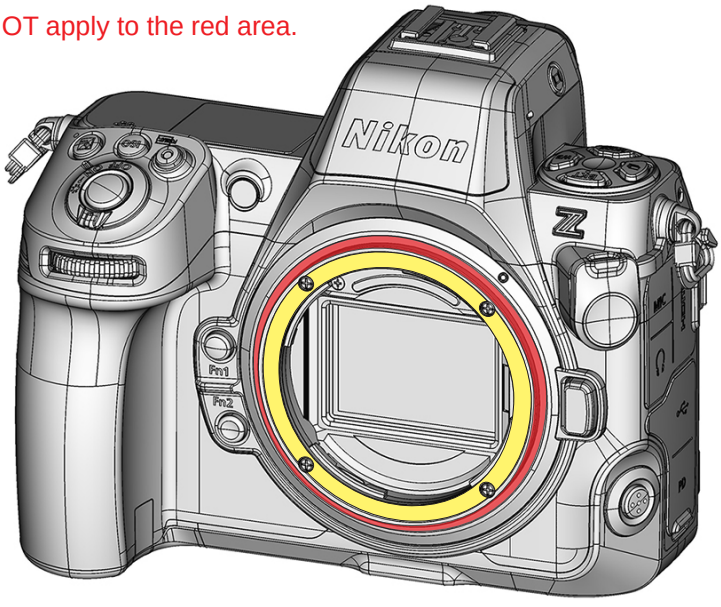




LICENSE LABEL



Do NOT apply to the red area.



LEN317A

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

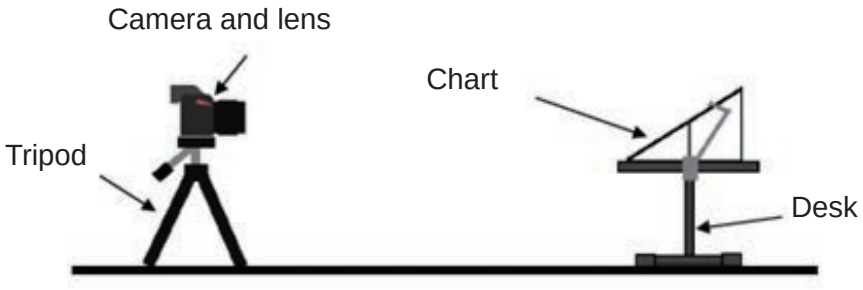
Install the camera/lens and chart, referring to the figure below.
Shoot in a location that meets the following requirements:

- 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.



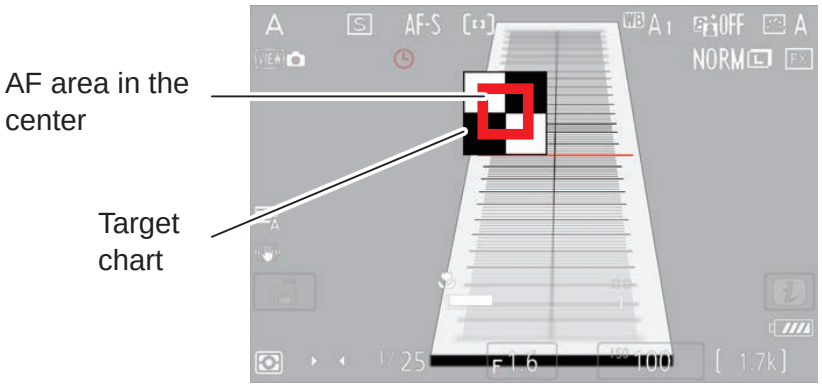
AF accuracy inspection

Follow the steps below to inspect the AF accuracy.

Inspection procedure

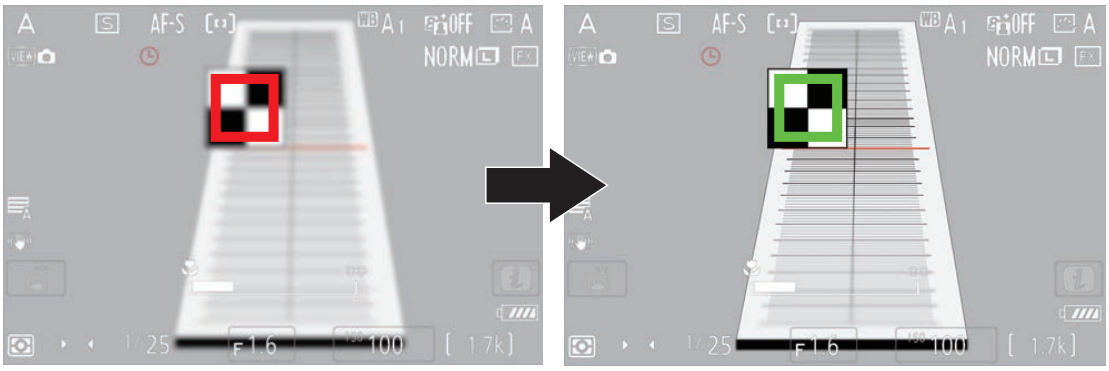
1 Adjust the camera position

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.



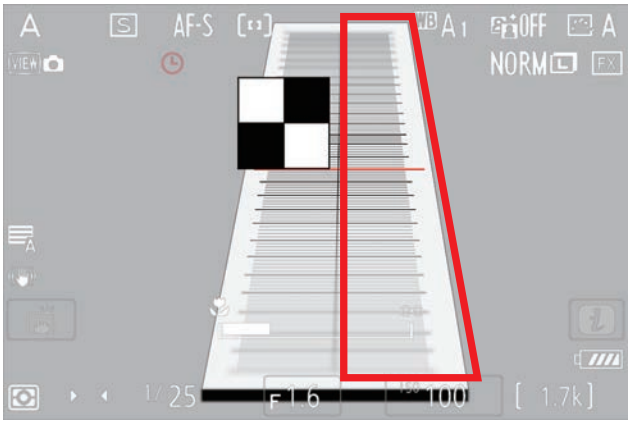
2 Check the focus

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.

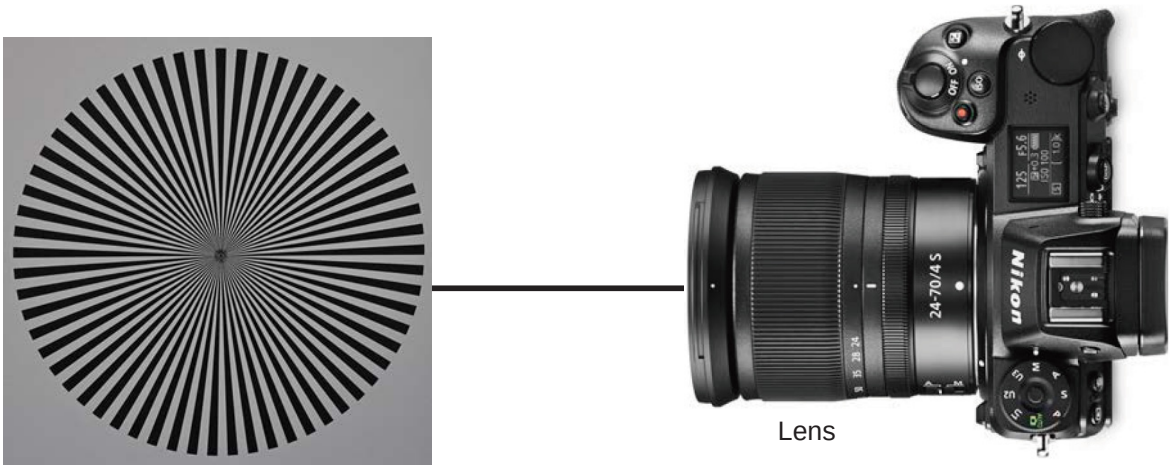
VR function inspection

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

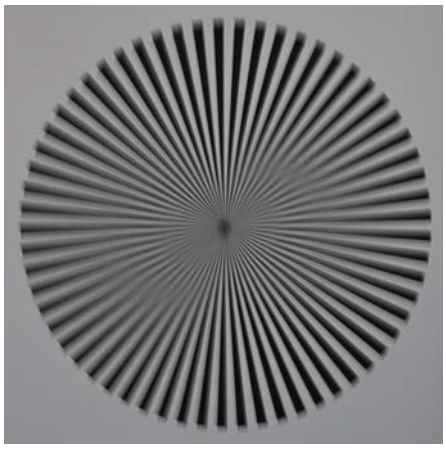
Image quality	FINE
Focus mode	AF-S
Picture Control	SD
VR	OFF / ON
Image correction function (vignetting, diffraction, distortion)	ON
Metering method	Center-weighted metering
Exposure mode	Shutter-priority auto (S)
White balance	Auto0 (Keep white)
ISO	100
Aperture	F4(Full open),
Shutter Speed	The reciprocal 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.

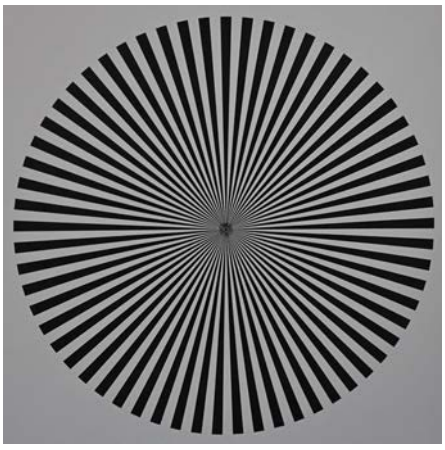
2 Inspection

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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