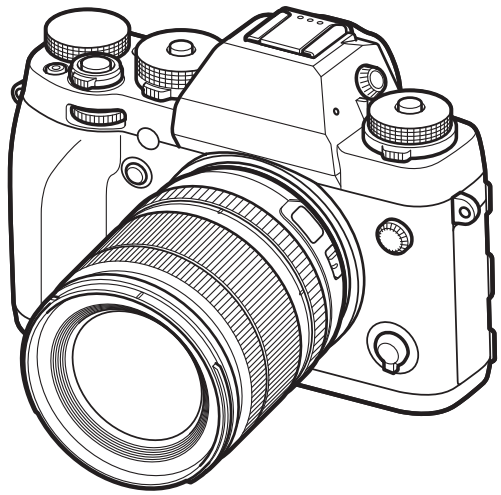
FUJIFILM

DIGITAL CAMERA



X-T1

SERVICE MANUAL

US/ME/EG/EE/RU/CH/JP-model

⚠ CAUTION

- USE THE DESIGNATED AFTER-SALES PARTS AND THE DESIGNATED LEAD-FREE SOLDER WHEN PERFORMING REPAIRS. BECAUSE THIS PRODUCT COMPLIES WITH RoHS LEAD-FREE. (Refer to page 3)

⚠ WARNING

- THE COMPONENTS IDENTIFIED WITH THE MARK "⚠" IN THE SCHEMATIC DIAGRAM AND THE PARTS LIST ARE CRITICAL FOR SAFETY.
- REPLACE THOSE COMPONENTS ONLY WITH THE COMPONENTS SPECIFIED IN THE SCHEMATIC DIAGRAM AND THE PARTS LIST.
- IF YOU USE PARTS NOT SPECIFIED, IT CAN RESULT IN A FIRE AND AN ELECTRICAL SHOCK.

FUJIFILM Corporation

Ref.No.: ZM01108-106
Revised on 24 Jul 2014

SAFETY CHECK-OUT

During repair and safety checking, conduct the followings.

1. Check if there are unsoldered or poorly soldered connections. Check the entire board surface for solder splasher and bridges.

2. Check the inter-board wiring to ensure that no wires are "pinched" or contact high-wattage resistors.

3. Look for unauthorized replaced parts, particularly transistors that were installed in a previous repair. Point this out to a customer and recommend replacing with authorized parts.

4. Look for parts which, though functioning, signs of deterioration. Point this out to a customer and recommend replacing with new parts.

5. Check the B + voltage to see if it is the correct value.

6. Check leakage current see if exposed parts are insulated from power supply before returning a camera to a customer.

7. CAUTION:
FOR PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE 2.5 AMPERES 125V/250V FUSE.



RISK OF FIRE-
REPLACE FUSE
AS MARKED

ATTENTION:
AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME, TYPE 2.5 AMPERES, 125/250 VOLTS.

8. WARNING:
TO AVOID THE ELECTRIC SHOCK, BE CAREFUL TO TOUCH THE PARTS.



WARNING!
HIGH VOLTAGE

RoHS lead-free compliance

With the exception of parts and materials expressly excluded from the RoHS directive, all the internal connections and component parts and materials used in this product are lead-free compliant under the European RoHS directive (*1). Use the specified parts and the specified lead-free solder when repairing.

*1: Definition of lead-free
A lead content ratio of 0.1 wt% or less in the applicable locations (solder, terminals, electronic components, etc.)

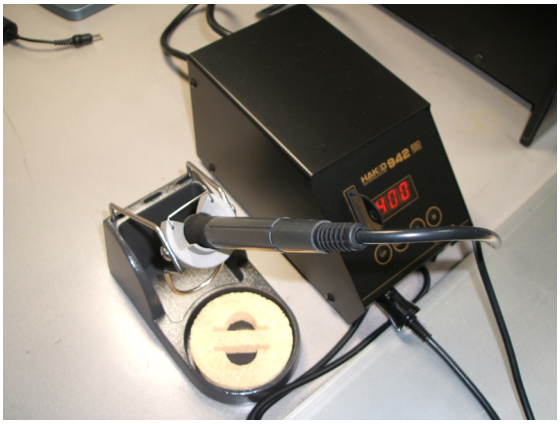
<Lead-free soldering>

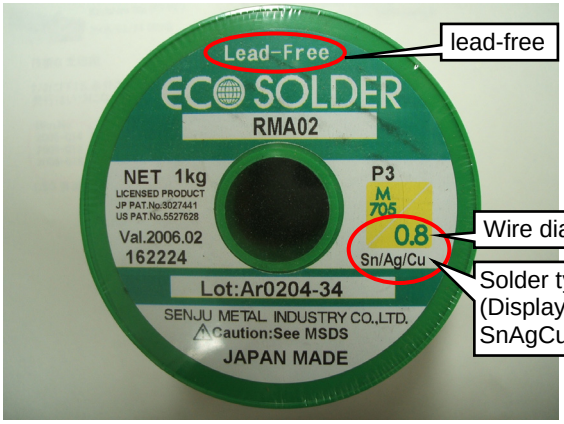
When lead-free solder is used, soldering can be less working efficiency than when eutectic solder is used. When repairing, use a specific lead-free solder, bearing in mind the difference between eutectic soldering and lead-free soldering.

■ **Differences between lead-free and eutectic soldering**

	Eutectic solder (Sn-Pb)	Lead-free solder (Sn-Ag-Cu)	Remark
Melting point	183°C	220°C	
Soldering iron temperature	283°C	320°C	This should be determined by heat capacity at a connecting portion and working efficiency.
Wetting	Good	Poor	
Surface	Gloss	Matte	

■ **Example of recommended equipment and solder**





■ **Maintenance of soldering iron**

Because of the high soldering iron temperature when lead-free soldering, Carbonization of the flux adhered to the tip of the soldering iron proceeds faster than eutectic soldering.

(1) Always cover the tip of the soldering iron with solder when it is not used.
(2) If the tip becomes black by carbonization, wipe it gently with a paper towel soaked in alcohol so that the solder can wet.

MEMO

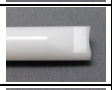
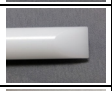
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MEMO

1. List of Jigs

1-1. Tool list

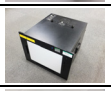
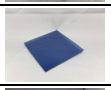
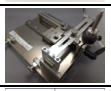
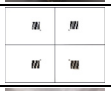
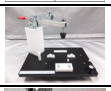
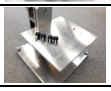
Parts No.	Name	Image	Comment	Remarks	MUST/WANT
ZJ00648-100 or ZJ00649-100	Screwdriver (Metal) Bit for Screwdriver		General repair		MUST
ZJ02083-100	SCREWDRIVER (+) 1.5X40L		General repair		MUST
ZJ02033-100	TORQUE DRIVER	No Image	Used in torque management		MUST
ZJ02070-100	VESSEL M160082 +BIT 0*82		Used in torque management		MUST
ZJ01923-100	Grip press tool Type A		General repair		MUST
ZJ01924-100	Grip press tool Type B		General repair		MUST
ZJ01925-100	Grip press tool Type C		General repair		MUST
ZJ01926-100	Grip press tool Type D		General repair		MUST
ZJ01927-100	Grip press tool Type E		General repair		MUST
ZJ02215-100	UV CONTROLLER ANUJ3000		General repair	Common with the XC16-50mmF3.5-5.6 OIS	MUST
ZJ02215-200	UV IRRADIATION HEAD ANUJ6172		General repair	Common with the XC16-50mmF3.5-5.6 OIS	MUST
ZJ02215-300	UV LENS ANUJ6420		General repair	Common with the XC16-50mmF3.5-5.6 OIS	MUST
----	UV SAFETY GOGGLES		General repair	Commercially available item	MUST

1-2. Auxiliary materials list

Parts No.	Name	Image	Comment	Remarks	MUST/WANT
ZS00135-200	CFD-409Z (LUBRICANT)		General repair	Lubricant	MUST
ZS00177-100	CRS-811 (GREASE)		General repair	Lubricant	MUST
ZS00178-100	LEN-317FR (GREASE)	No Image	General repair	Common with the XF1	MUST
ZS00181-100	HENKEL LOCTITE 290		General repair	THREADLOCKER	MUST
ZS00186-100	SYRINGE SS05SZ		General repair	SYRINGE	MUST
ZS00187-100	NEEDLE SH20-B		General repair	NEEDLE NOZZLE	MUST
ZS00188-100	UV adhesives U-2018G		General repair	UV ADHESIVES	MUST
ZS00196-100	SANKOL FG-87HSR	No Image	General repair	Lubricant	MUST
ZS00143-100	UL TAPE (BLACK) 19MM	No Image	General repair	UL TAPE (CLEAR) 19MM	MUST
ZS00144-100	UL TAPE (CLEAR) 9MM	No Image	General repair	UL TAPE (CLEAR) 9MM	MUST
ZS00145-100	UL TAPE (CLEAR) 15MM	No Image	General repair	UL TAPE (CLEAR) 15MM	MUST
ZS00169-100	UL TAPE CLEAR 30MM	No Image	General repair	UL TAPE CLEAR 30MM	MUST
ZS00197-100 or ● ZS00175-100	THREE BOND TB1530P KONISHI BOND SL220W	No Image	General repair	Bond	MUST
ZJ02233-100	X-A1 PET SHEET	No Image	General repair		MUST

●: Revised

1-3. Adjustments

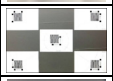
Parts No.	Name	Image	Comment	Remarks	MUST/WANT
ZJ00684-100 or ZJ02197-100	DSC JIG Driver FJIG DRIVER for Win7	----	USB JIG Driver	• DSC JIG Driver Use the ZJ00684-100 from web. *1 • FJIG DRIVER for Win7 Refer to the BULLETIN No. 2013-058. *1	MUST
ZJ02273-100	X-T1 W PC Soft Ver.1.00	----	General adjustment	New jig *1	MUST
ZJ02274-100	MOUNT Data for X-T1	----	Mount Data Write	New jig *1	MUST
ZJ01134-100	QR Cord reader		• MOUNT DATA Read • EVF Number Read	Common with the FinePix S8000fd	MUST
----	PTB450F		Camera adjustment	Pattern box	MUST
ZJ00699-100	Filter LB145		Camera adjustment	Common with the 8mmVTR/FinePix F700	MUST
ZJ00611-100	X-Y stage for AF adjustment		General adjustment	Common with the FinePix F700	WANT
ZJ01849-100	FxHS20EXR/X100 Level chart		Level Adjustment	Common with the FinePix X100	MUST
ZJ01935-100	X-Pro1 Level jig		Level Adjustment	Common with the X-Pro1	MUST
ZJ01858-100	Rotation axis Stand		Level Adjustment	Common with the FinePix X100	MUST
----	Laser telemeter		Level Adjustment	Common with the FinePix X100 * Maker: Makita, Model: SK308PZ As far as the specification is equal to “SK308PZ”, the Laser telemeter can be used. • Precision: ±1mm/10m • Line Point laser: X direction/Y direction	WANT
ZJ02234-100	PHASE ADJUSTMENT JIG		Phase detect adjustment	Common with the X-E2	MUST
ZJ02243-100	AC POWER ADAPTER AC-5VX		Phase detect adjustment	• Common with the X-E2 • Use it with PHASE ADJUSTMENT JIG and a set	MUST

*1: Please download the software from Web server (https://cs-support-eid.fujifilm.co.jp).

1-4. Adjustment/Inspection

Parts No.	Name	Image	Comment	Remarks	MUST/WANT
FZ09206-100 or FZ09206-200 or FZ09206-300	BATTERY PACK NP-W126J BATTERY PACK NP-W126U BATTERY PAC K NP-W126W			This is bundled to the product.	MUST
ZPU0512-100	SD CARD ULTRA2 1GB			To check inspection SD recording	MUST
ZJ01936-100	NP-W126 Battery Jig			Common with the X-Pro1	MUST
FZ10207-100	USB CABLE L600			Common with the XQ1	MUST
----	FUJINON LENS XF35mmF1.4 R			Products available from stock (Use the latest version of the firmware).	MUST
----	LED viewer		• CMOS Defect Correction • CMOS Dust Inspection	ST-N3 (FUJIFILM)	WANT

1-5. Inspection

Parts No.	Name	Image	Comment	Remarks	MUST/WANT
----	Power supply			Regulated power supply	MUST
----	Digital voltmeter			For general use	MUST
----	Ammeter			For general use (able to measure 1mA or less)	MUST
ZJ01848-100	FxX100 Line Chart			Common with the FinePix X100	MUST
ZJ01899-100	DUST CHART 2			For finder inspection	MUST
ZS00172-100	Cleaning paper	No Image	CMOS Cleaning		WANT
ZJ02275-100	X-T1 W Dust Inspection Soft Ver.1.00	----	CMOS Dust Inspection	New jig *1	WANT

*1: Please download the software from Web server (https://cs-support-eid.fujifilm.co.jp).

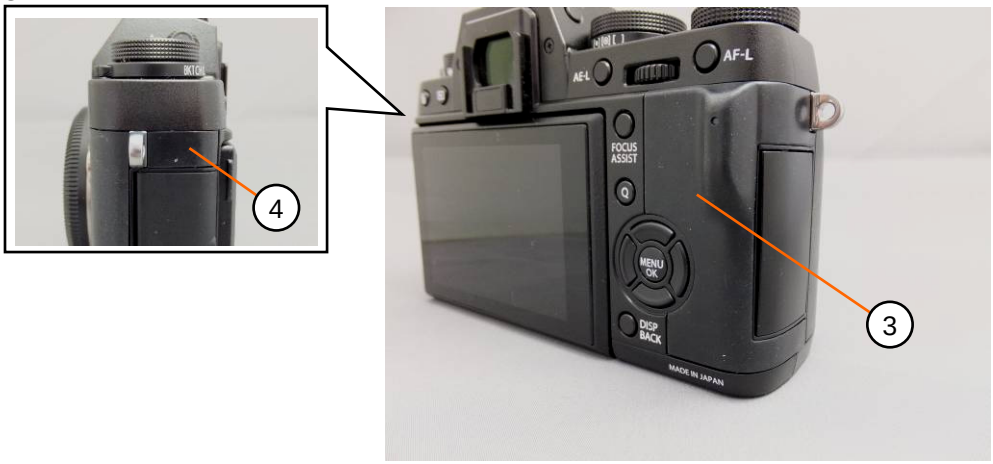
2. Disassembly

2-1. Removing the GRIP

(1) Peel off the GRIP FRONT R.
(2) Peel off the GRIP FRONT L.



(3) Peel off the GRIP REAR R.
(4) Peel off the GRIP REAR L.

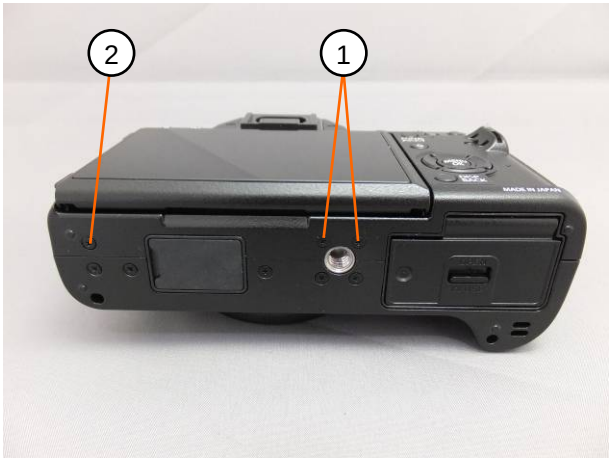


[Notes on Assembly]

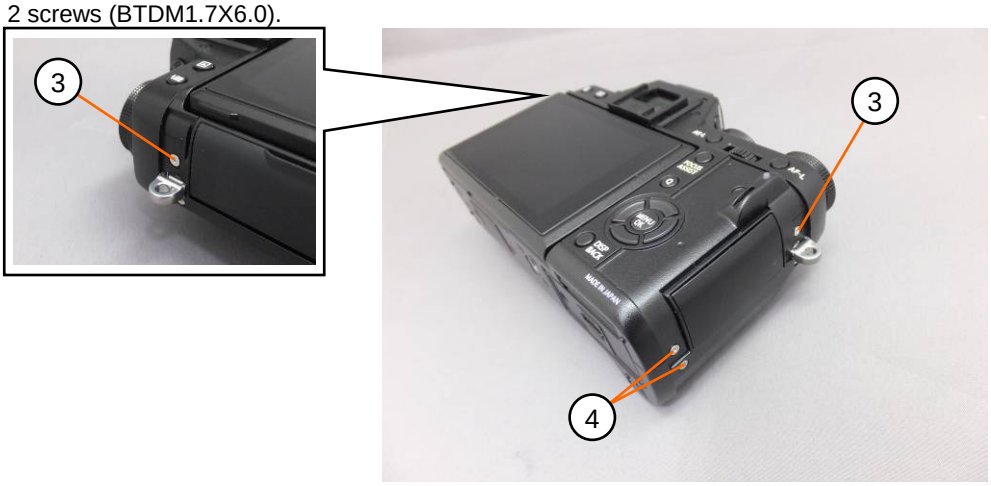
- **TAPE GRIP and GRIP are not reusable.**
- Refer to [2-21. Attaching the GRIP] for the affix the TAPE GRIP and GRIP procedure.

2-2. Removing the CONST R

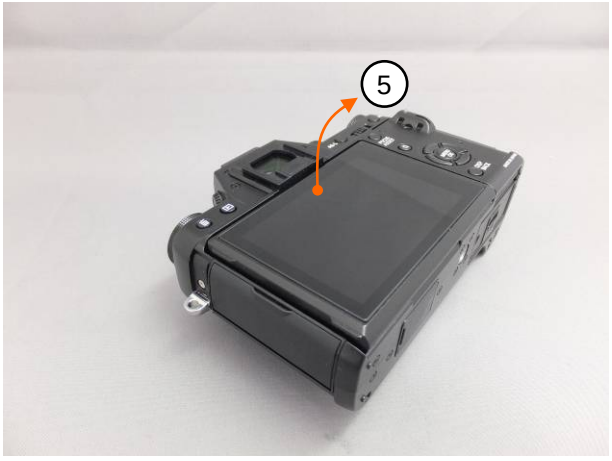
(1) Remove the 2 screws (MSEM1.7X2.0H).
(2) Remove the screw (MSEM1.7X4.0H).



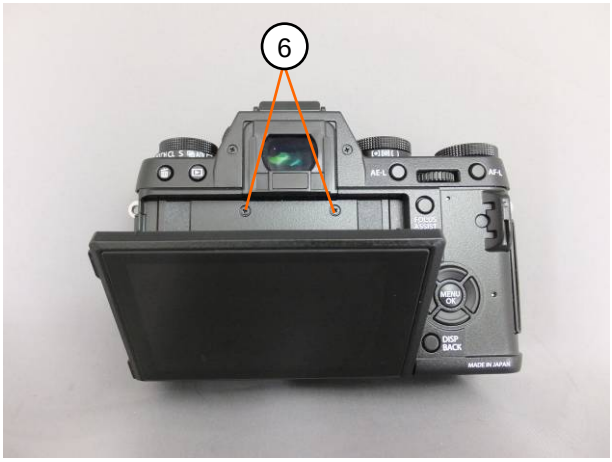
(3) Remove the 2 screws (N-MSGM1.7X4.0).
(4) Remove the 2 screws (BTDM1.7X6.0).



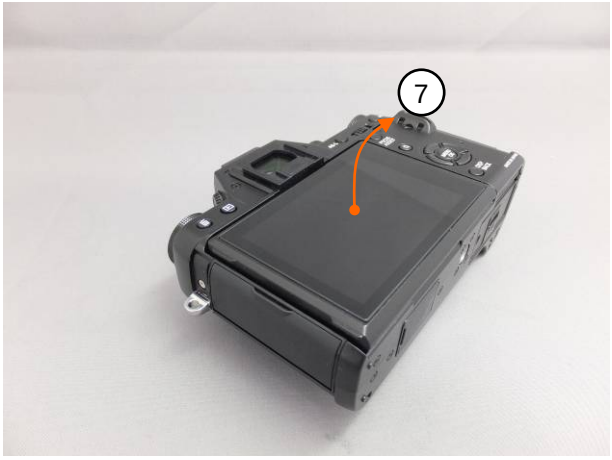
(5) Raise the LCD in the direction of the arrow.



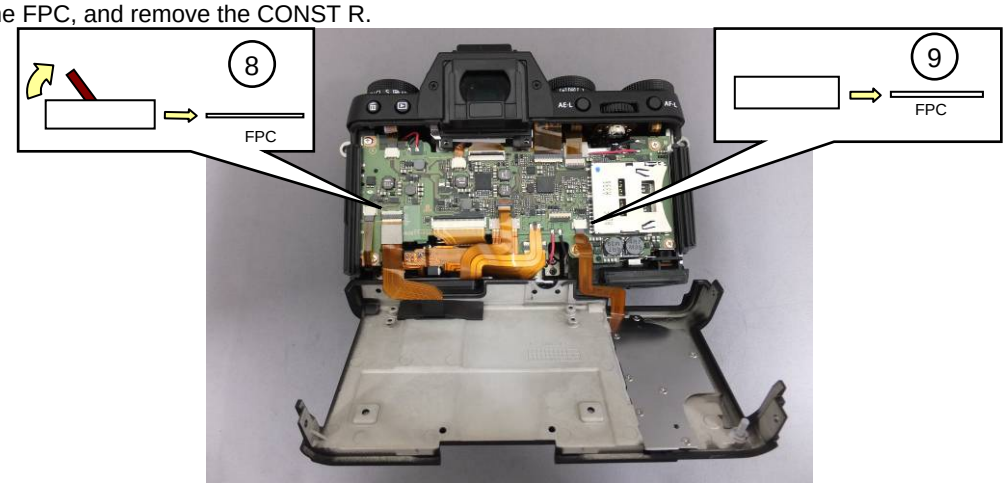
(6) Remove the 2 screws (MSEM1.7X4.0H).



(7) Remove the CONST R in the direction of the arrow.



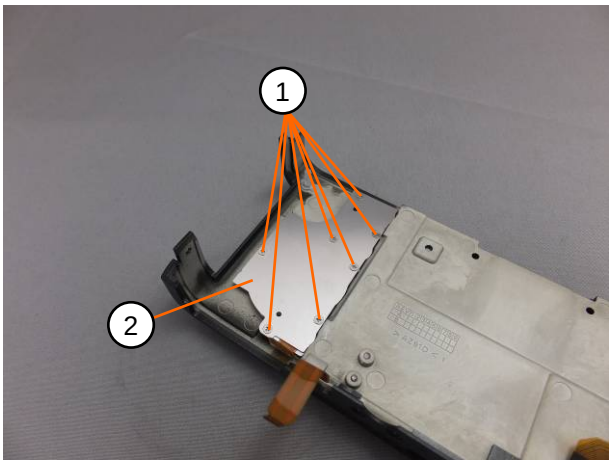
(8) Unlock the connector and remove the FPC.
(9) Remove the FPC, and remove the CONST R.



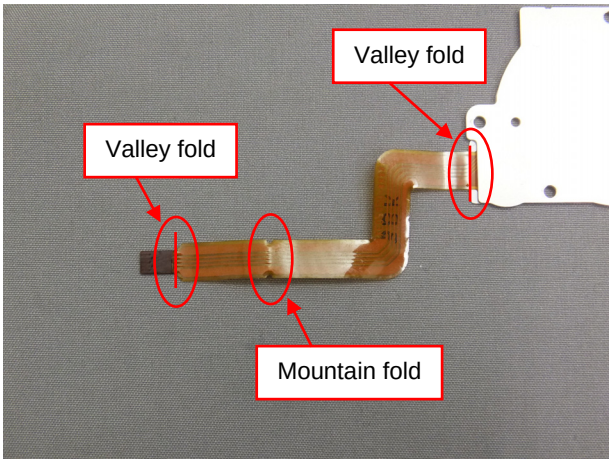
[Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-3. Removing the CASE R

(1) Remove the 7 screws (MSAM1.4X2.5).
(2) Remove the REARKEYASSY.

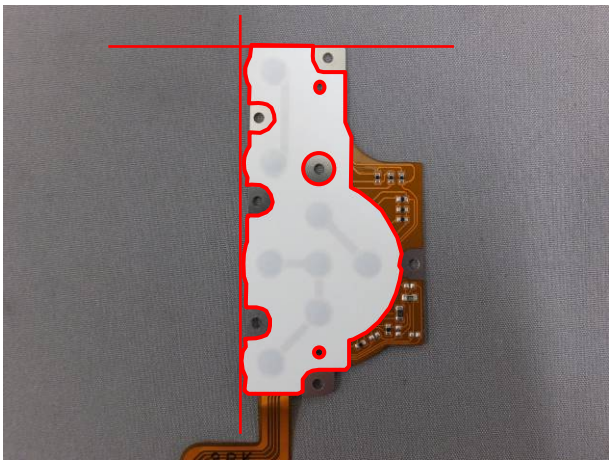


☆ [Notes on Assembly]
Affix the REARKEYASSY after folding it like the picture figure.

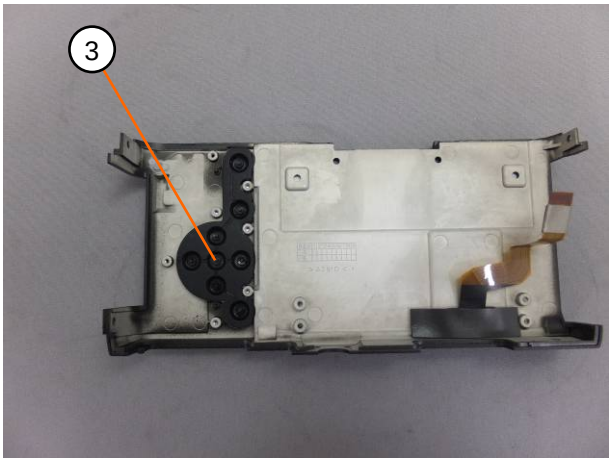


[Precaution when replacing REARKEYASSY]
KEYSHEET_REAR is not reusable.

[Affixing position for the KEYSHEET_REAR]
Affix the KEYSHEET_REAR on the REARKEYASSY as shown in the figure.

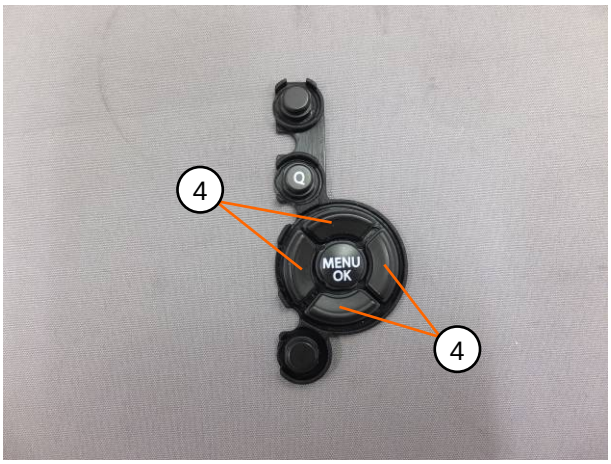


(3) Remove the CONST BUTTON REAR.

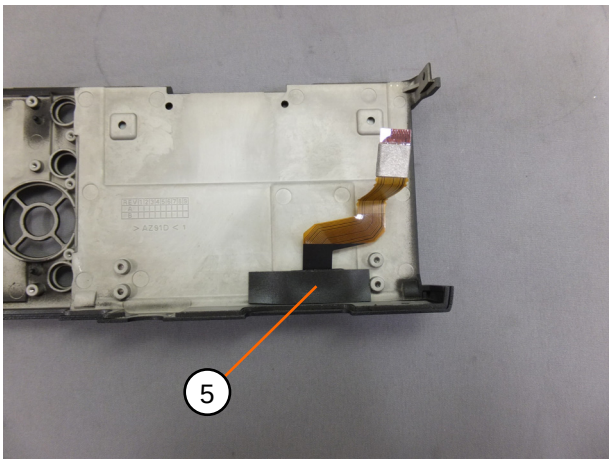


☆: Revised

(4) Remove the BUTTON REAR CROSS.

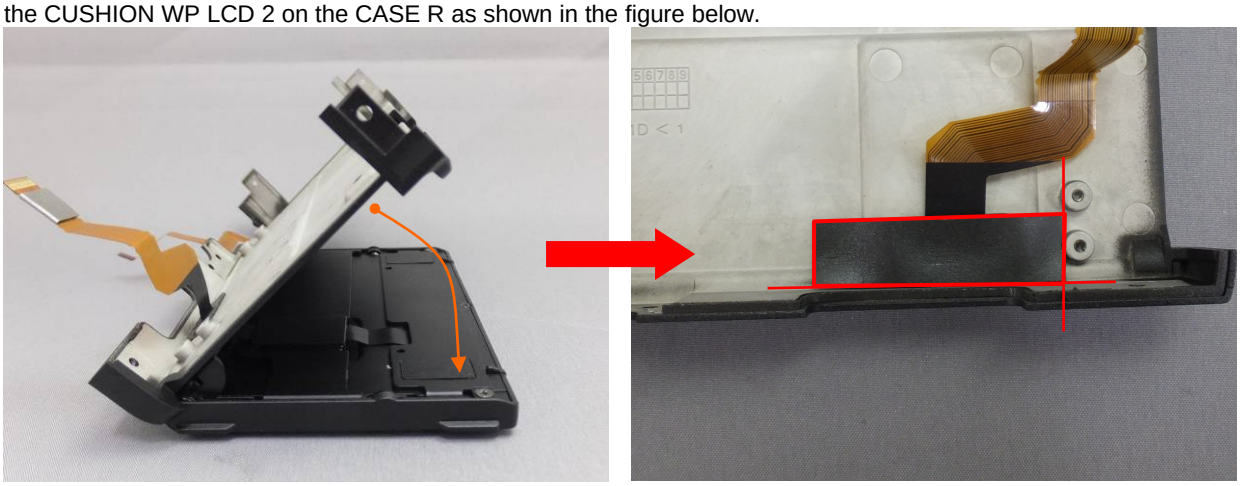


(5) Peel off the CUSHION WP LCD 2.

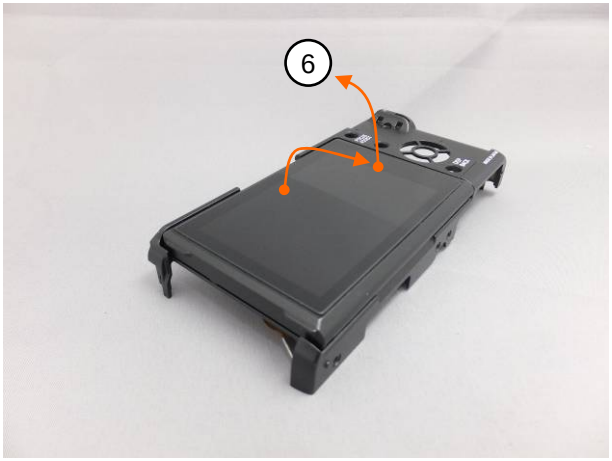


[Notes on Assembly]
CUSHION WP LCD 2 is not reusable.

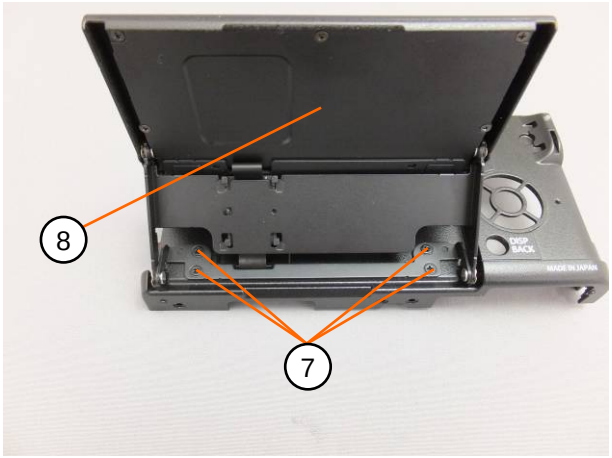
[Affixing position for the CUSHION WP LCD 2]
Affix the CUSHION WP LCD 2 on the CASE R as shown in the figure below.



(6) Raise the LCD in the direction of the arrow.

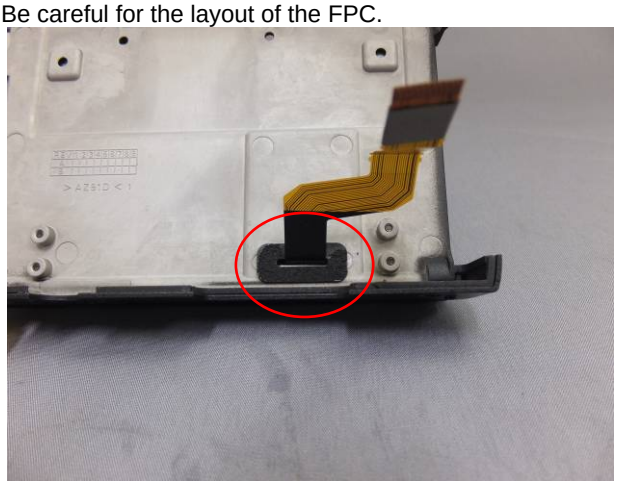


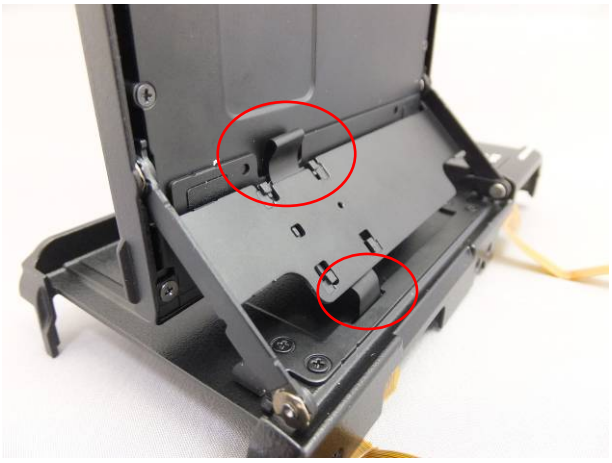
(7) Remove the 4 screws (MSEM1.7X4.0H).
(8) Remove the CONST LCD.



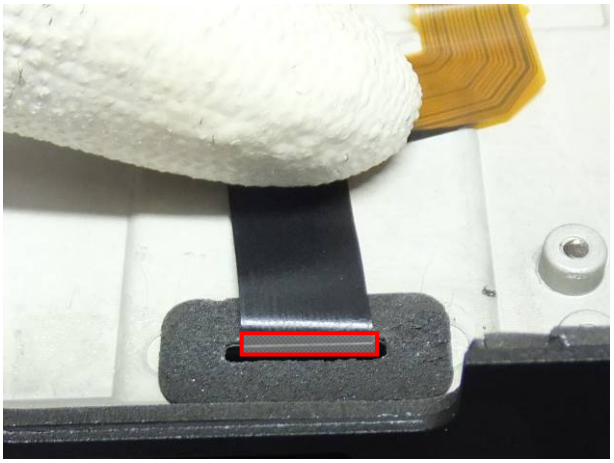
[Notes on Assembly]

1. Be careful for the layout of the FPC.





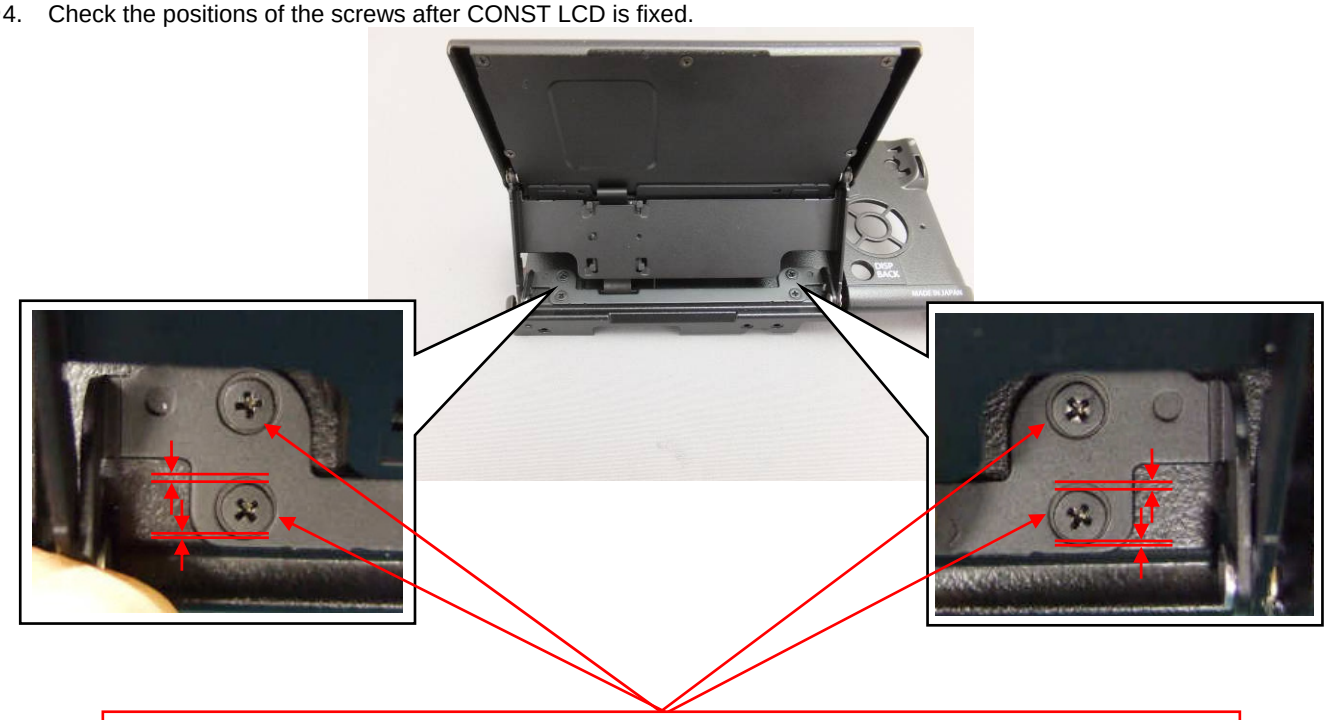
2. Be sure to apply the lubricant to the FPC.
Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))



○3. Fix the CONST LCD pressing it in the direction of the arrow.

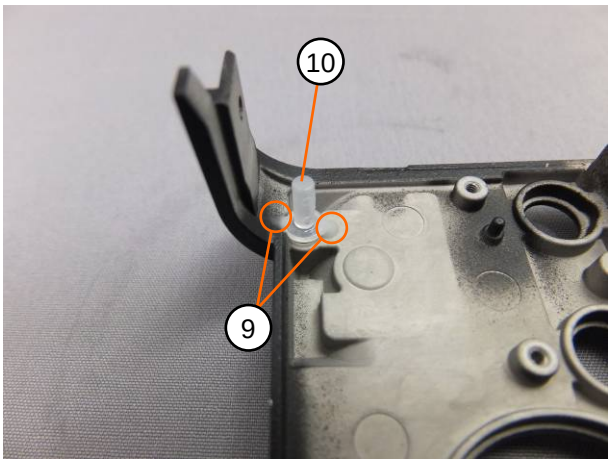


○4. Check the positions of the screws after CONST LCD is fixed.



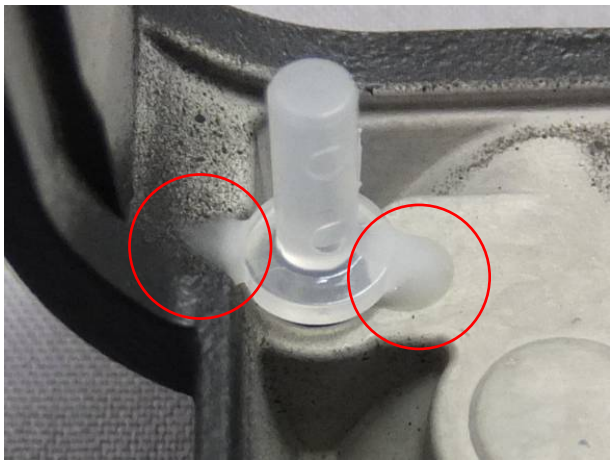
The upside gap between the screw head and seating surface have to be longer than the downside gap.

(9) Peel off the UV adhesives.
(10) Remove the GUIDE LIGHT.

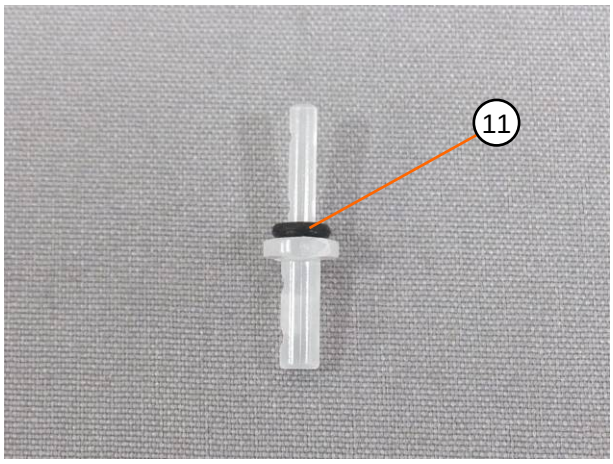


○: Revised

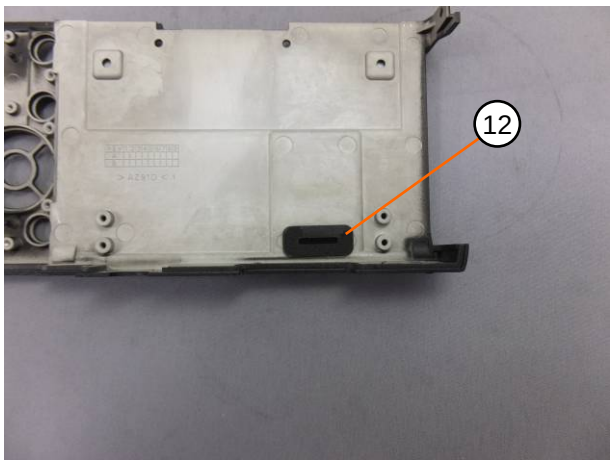
[Notes on Assembly]
- Apply the UV adhesives to the GUIDE LIGHT as shown in the figure.
- Refer to “2-22. Application of UV adhesive”.



(11) Remove the O RING E.

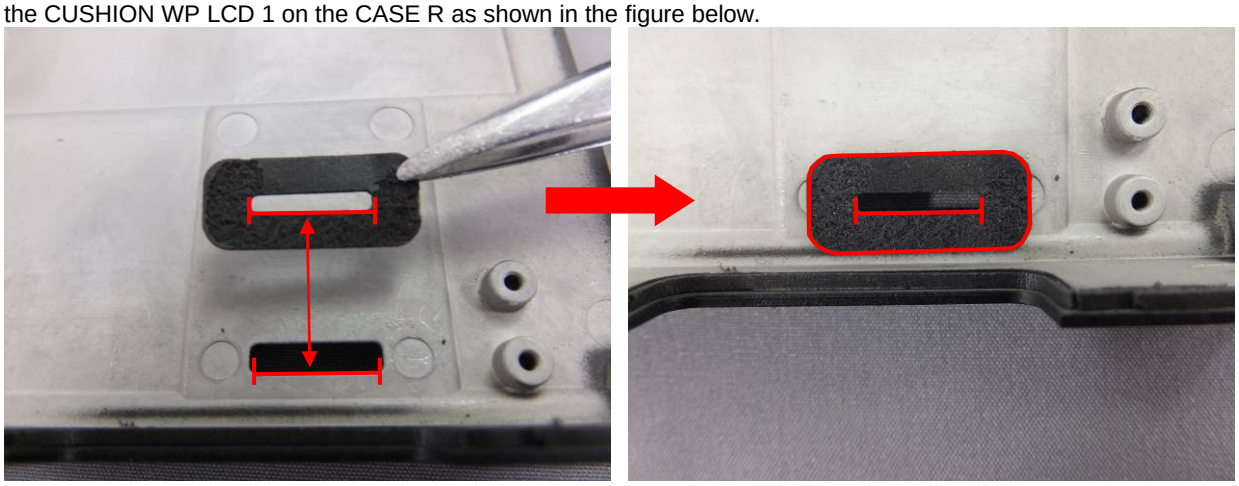


(12) Peel off the CUSHION WP LCD 1.

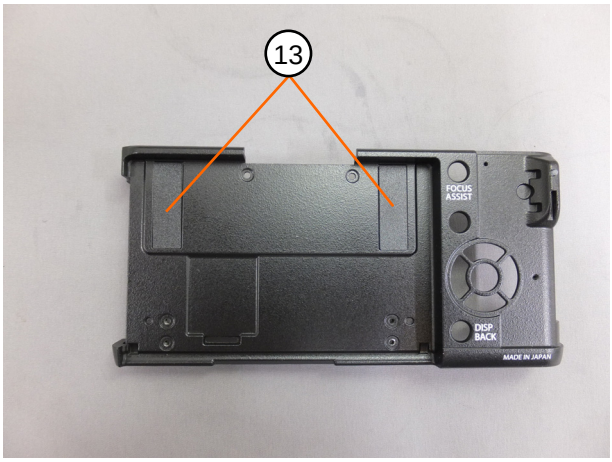


[Notes on Assembly]
CUSHION WP LCD 1 is not reusable.

[Affixing position for the CUSHION WP LCD 1]
Affix the CUSHION WP LCD 1 on the CASE R as shown in the figure below.

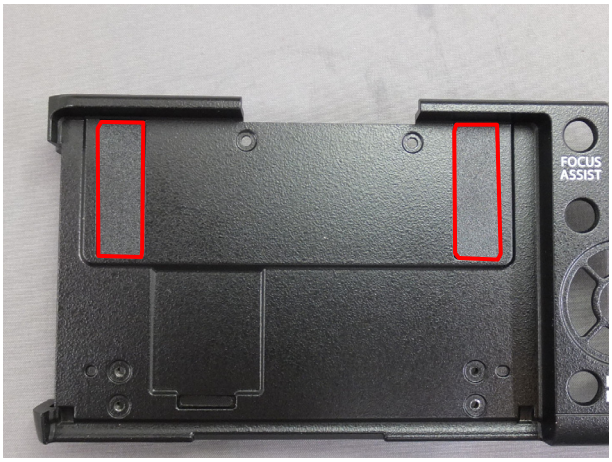


(13) Peel off the SHEET PLATE MAGNET.



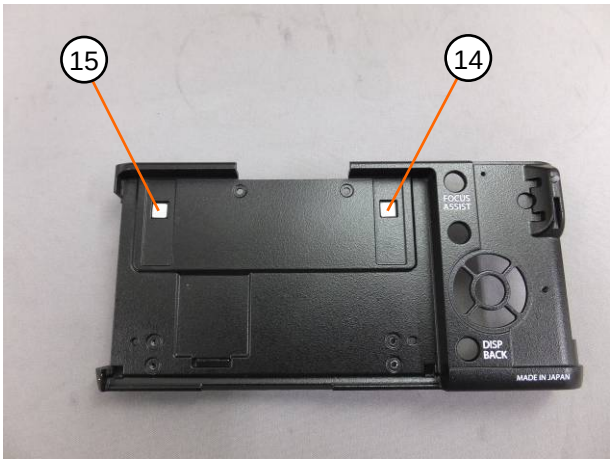
[Notes on Assembly]
SHEET PLATE MAGNET is not reusable.

[Affixing position for the SHEET PLATE MAGNET]
Affix the SHEET PLATE MAGNET on the CASE R as shown in the figure.



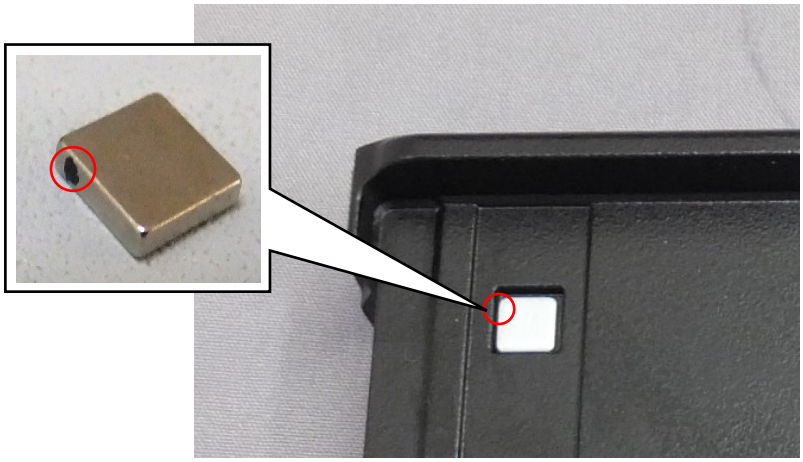
(14) Remove the PLATE MAGNET.
■ (15) Remove the MAGNET.

■



■[Notes on Assembly]

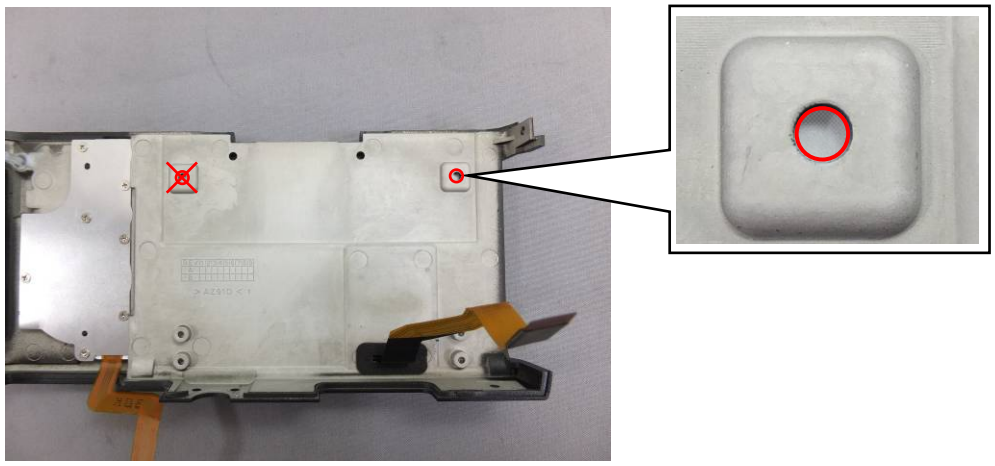
1. Be careful for the direction of the MAGNET.



2. Apply the bond to the CASE R as shown in the figure below.

● THREE BOND TB1530P: ZS00197-100 or
KONISHI BOND SL220W: ZS00175-100

■

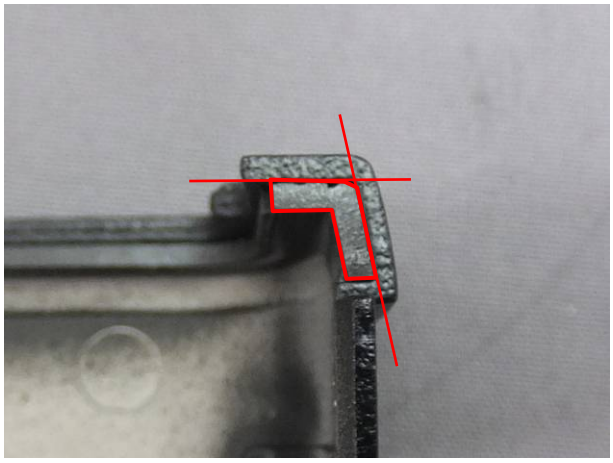


■: Revised
●: Revised

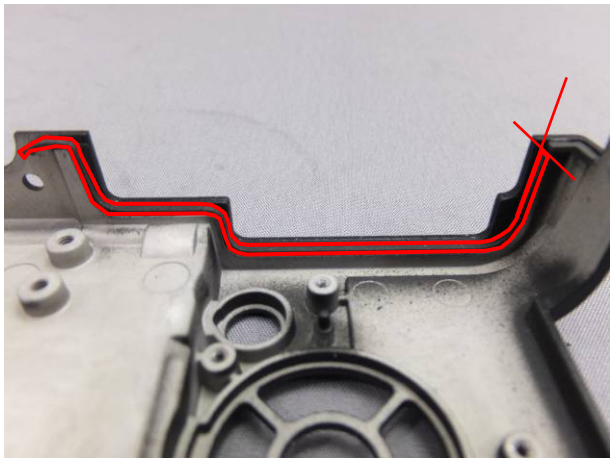
[Precaution when replacing CASE R]
CUSHION WP REAR 5, CUSHION WP REAR 1, CUSHION WP REAR 2 and CUSHION WP REAR 3 are not reusable.

[Affixing position for the CUSHION WP REAR 5, CUSHION WP REAR 1, CUSHION WP REAR 2 and CUSHION WP REAR 3]

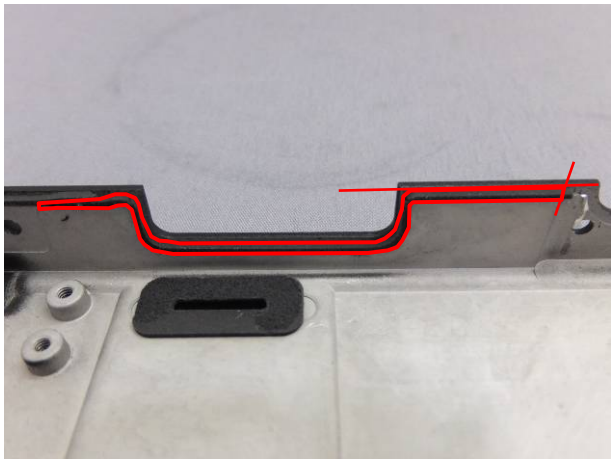
1. Affix the CUSHION WP REAR 5 on the CASE R as shown in the figure.



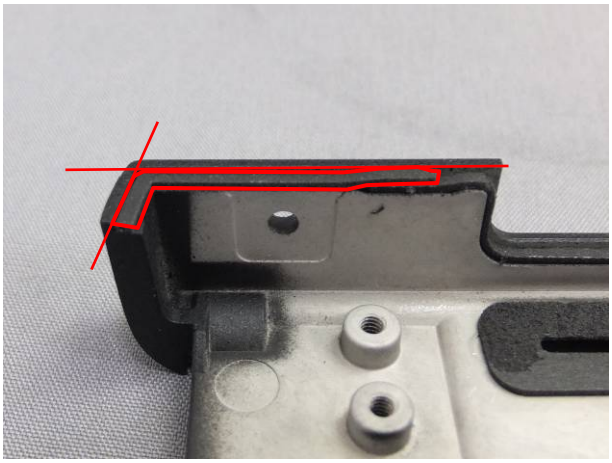
2. Affix the CUSHION WP REAR 1 on the CASE R as shown in the figure.



3. Affix the CUSHION WP REAR 2 on the CASE R as shown in the figure.



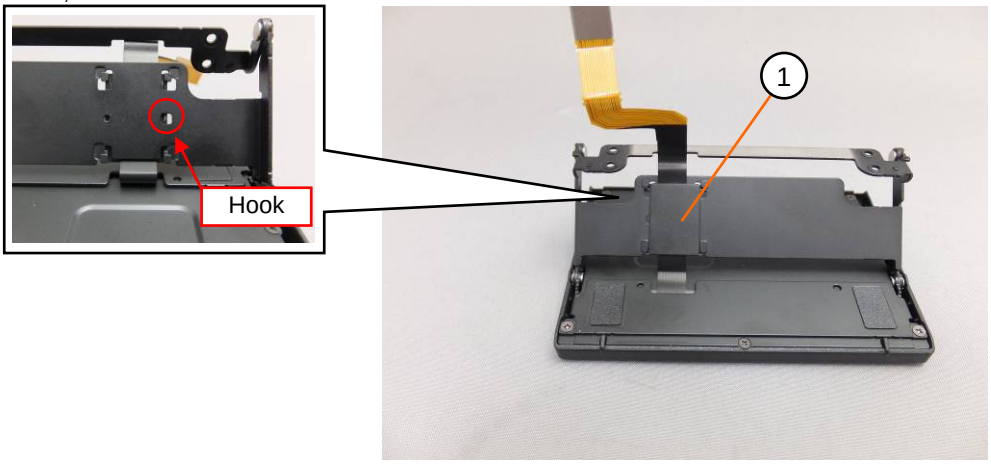
4. Affix the CUSHION WP REAR 3 on the CASE R as shown in the figure.



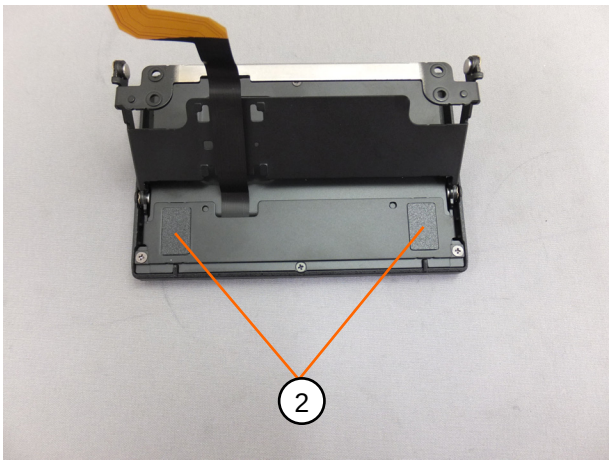
[Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-3-1. Disassembling the CONST LCD

(1) Remove the Hook, and remove the HOLDER FPC LCD.

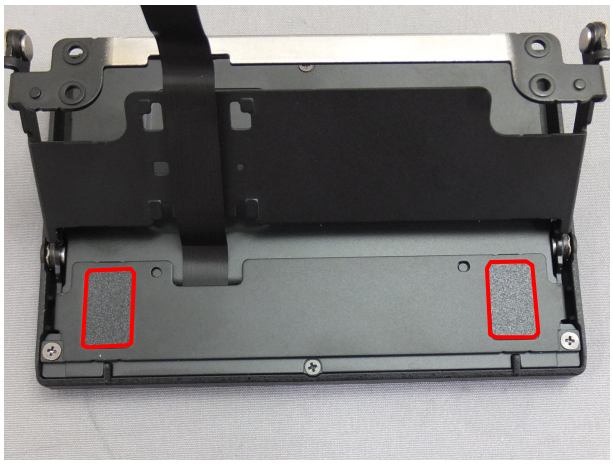


(2) Peel off the SHEET MAGNET.

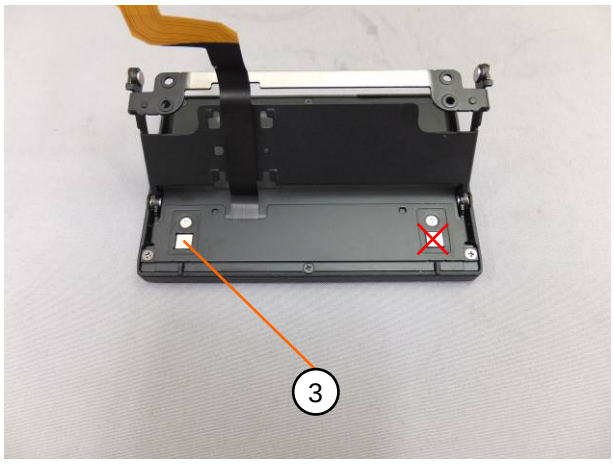


[Notes on Assembly]
SHEET MAGNET is not reusable.

[Affixing position for the SHEET MAGNET]
Affix the SHEET MAGNET on the UNIT HINGE as shown in the figure.



(3) Remove the MAGNET. ■



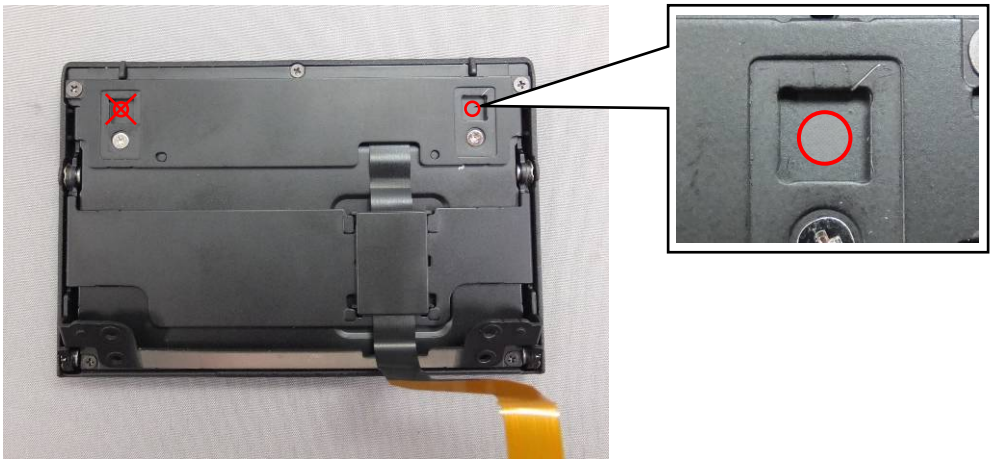
■: Revised

■[Notes on Assembly]

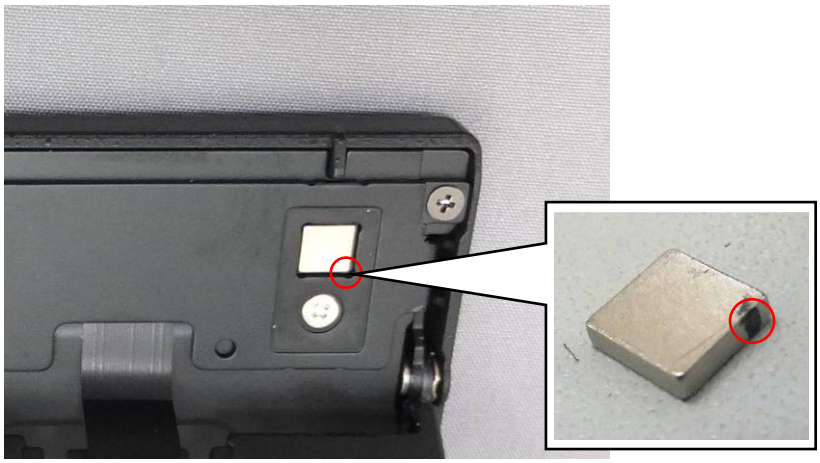
1. Apply the bond to the PLATE LCD as shown in the figure below.

● THREE BOND TB1530P: ZS00197-100 or
KONISHI BOND SL220W: ZS00175-100

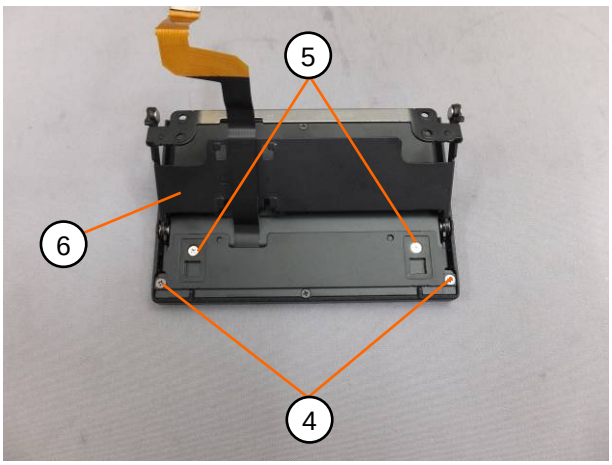
■



2. Be careful for the direction of the MAGNET.



(4) Remove the 2 screws (BTDM1.7X3.5B).
(5) Remove the 2 screws (MSGM1.7X2.5).
(6) Remove the UNIT HINGE.

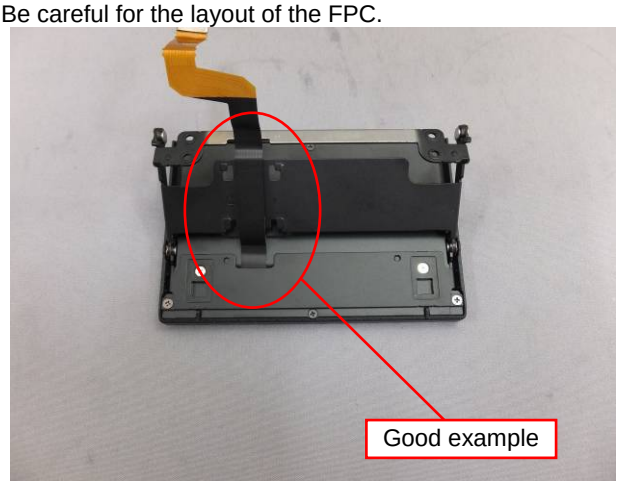


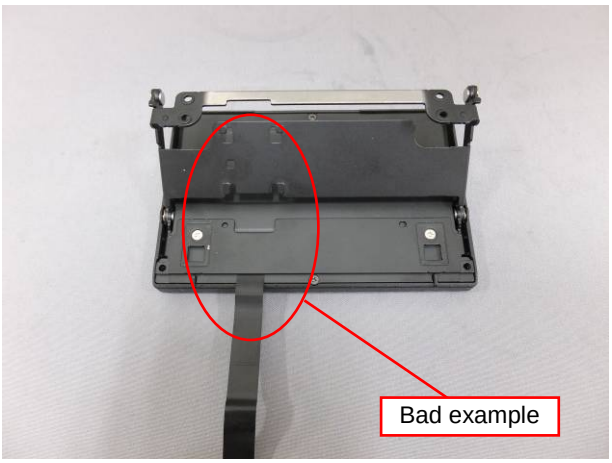
■: Revised
●: Revised

[Notes on Assembly]

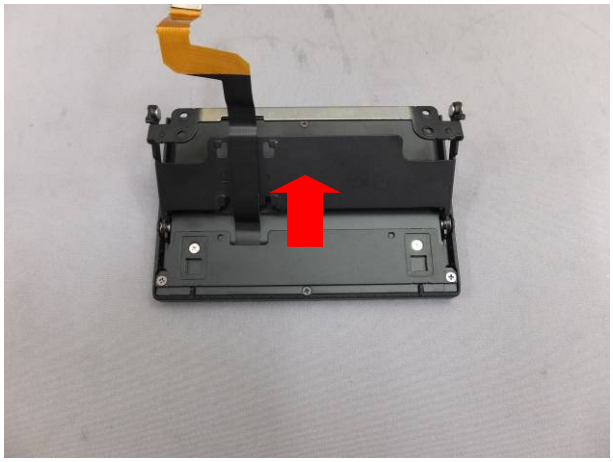
~~Be careful for the layout of the FPC.~~

○1. Be careful for the layout of the FPC.

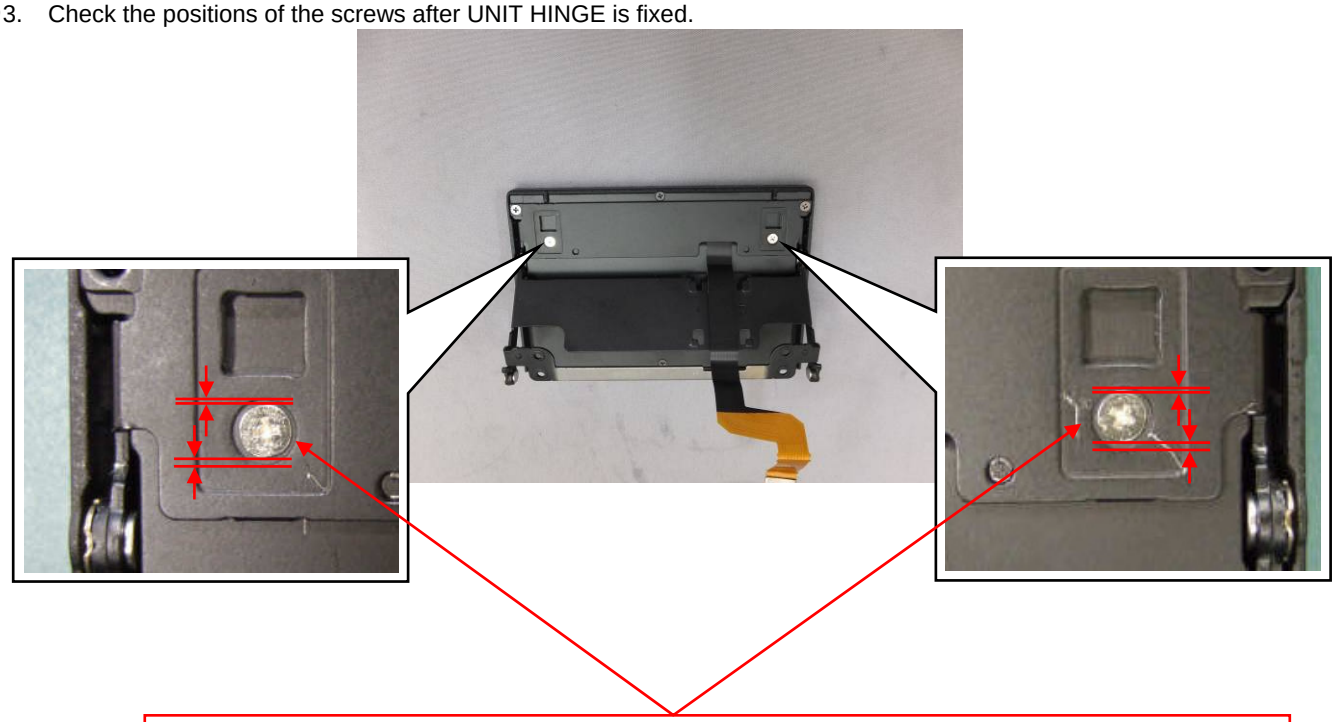




○2. Fix the UNIT HINGE pressing it in the direction of the arrow.



○3. Check the positions of the screws after UNIT HINGE is fixed.



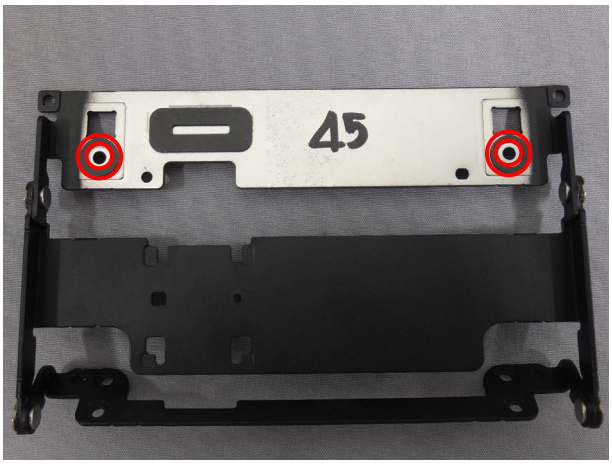
The upside gap between the screw head and seating surface have to be shorter than the downside gap.

○: Revised

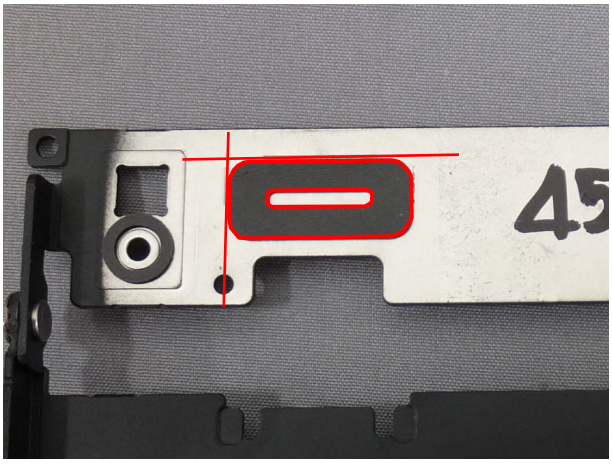
[Precaution when replacing UNIT HINGE]
CUSHION WP LCD SCREW and CUSHION WP LCD 1 are not reusable.

[Affixing position for the CUSHION WP LCD SCREW and CUSHION WP LCD 1]

1. Affix the CUSHION WP LCD SCREW on the UNIT HINGE as shown in the figure.

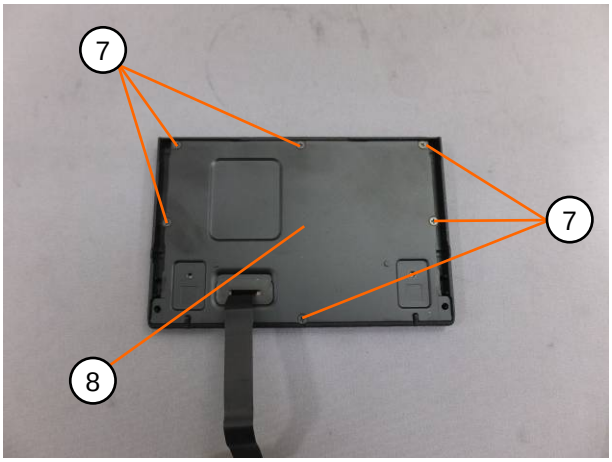


2. Affix the CUSHION WP LCD 1 on the UNIT HINGE as shown in the figure.



(7) Remove the 6 screws (PS2AM1.4X2.5B).
(8) Remove the PLATE LCD.

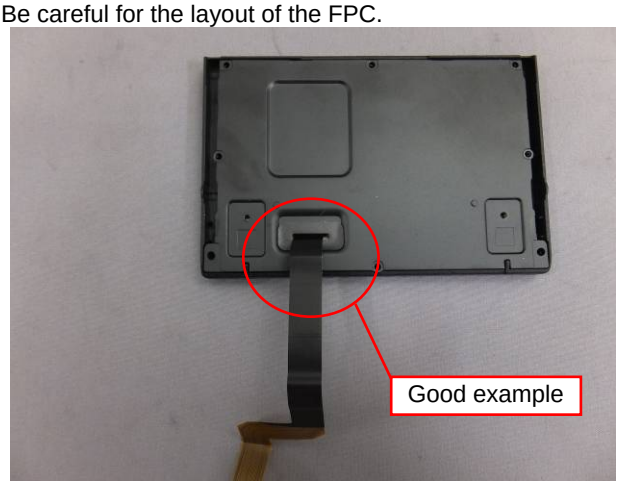
[Notes]
Be careful not to break FPC.

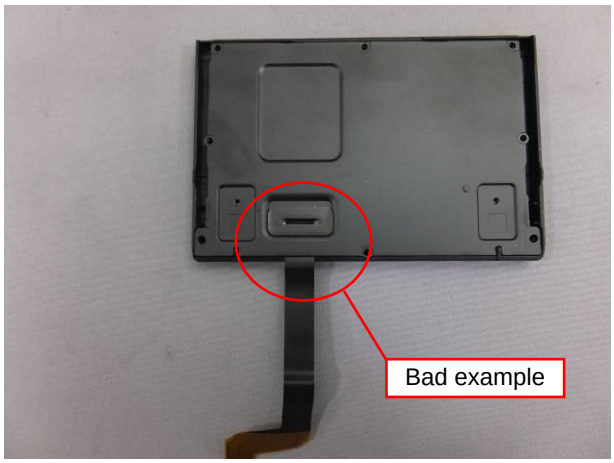


[Notes on Assembly]

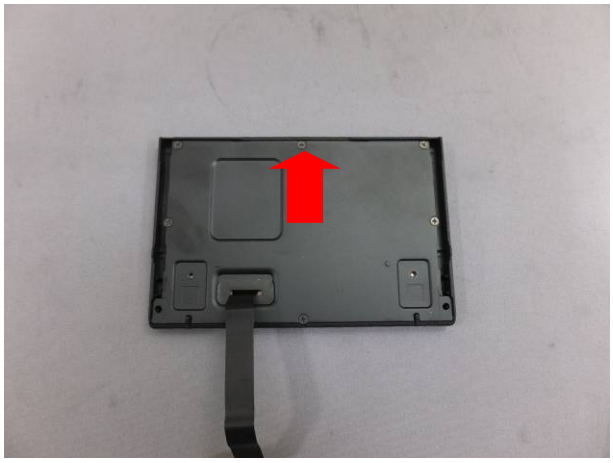
~~Be careful for the layout of the FPC.~~

○1. Be careful for the layout of the FPC.

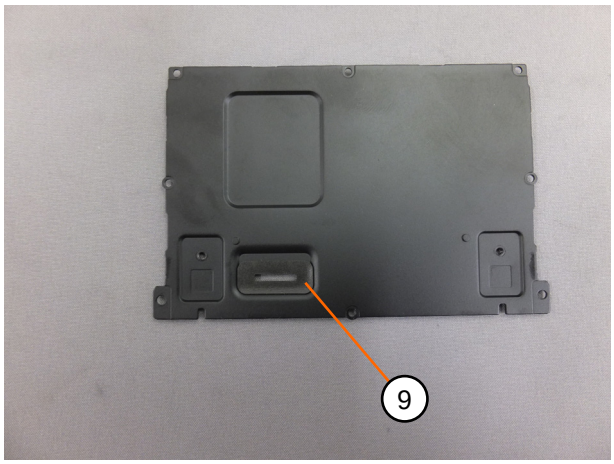




○2. Fix the PLATE LCD pressing it in the direction of the arrow.



(9) Peel off the CUSHION WP LCD 1.

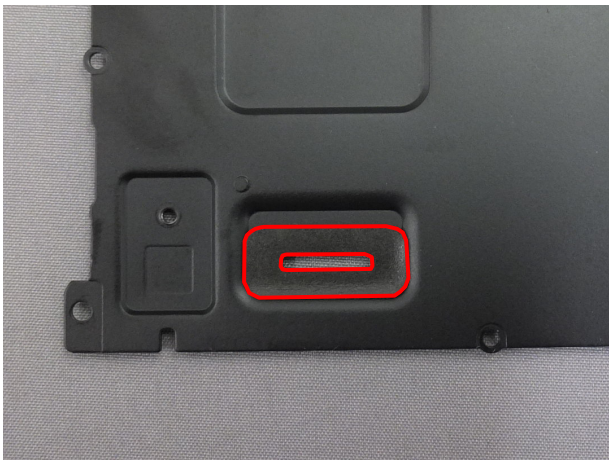


○: Revised

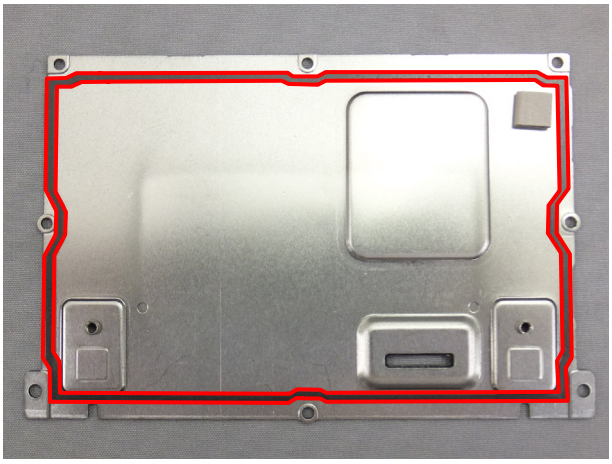
[Precaution when replacing PLATE LCD]
CUSHION WP LCD 1, CUSHION WP LCD 3 and GASKET LCD are not reusable.

[Affixing position for the CUSHION WP LCD 1, CUSHION WP LCD 3 and GASKET LCD]

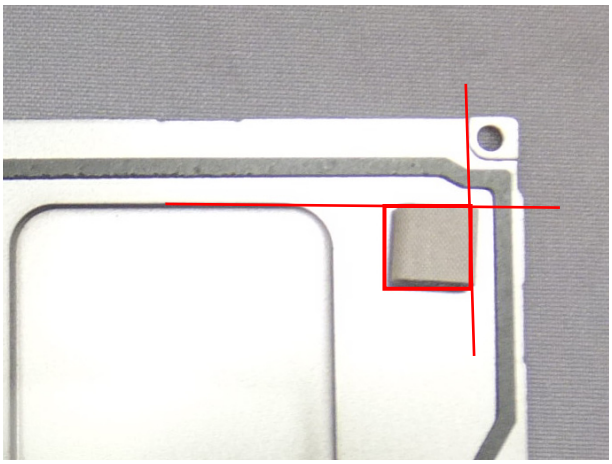
1. Affix the CUSHION WP LCD 1 on the PLATE LCD as shown in the figure.



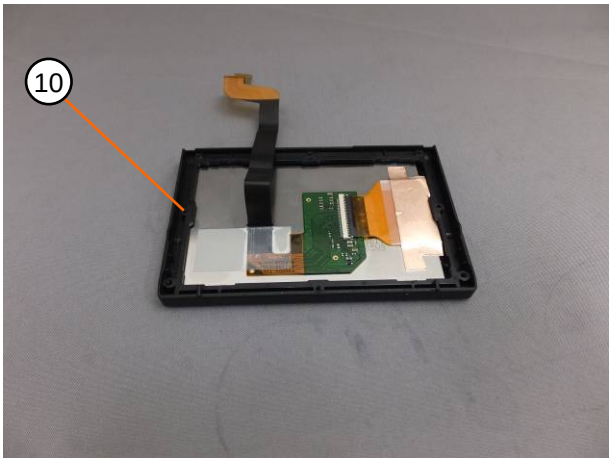
2. Affix the CUSHION WP LCD 3 on the PLATE LCD as shown in the figure.



3. Affix the GASKET LCD on the PLATE LCD as shown in the figure.

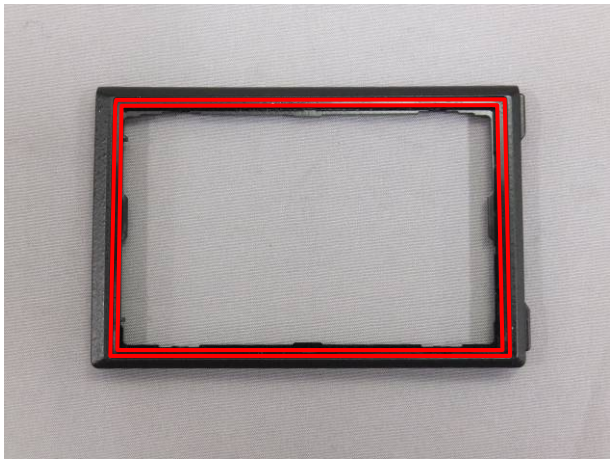


(10) Remove the CASE LCD F.

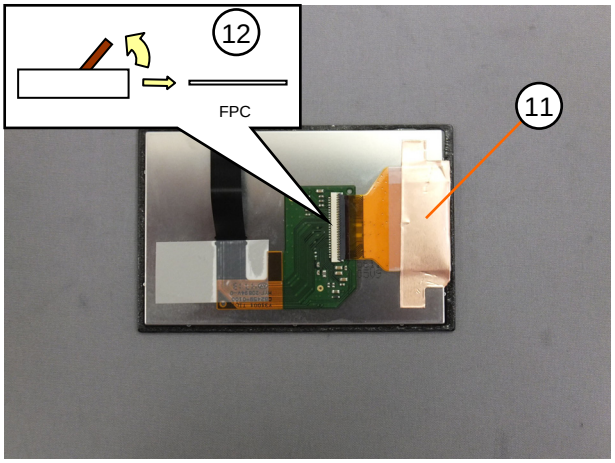


[Notes on Assembly]
TAPE LCD is not reusable.

[Affixing position for the TAPE LCD]
Affix the TAPE LCD on the CASE LCD F as shown in the figure.

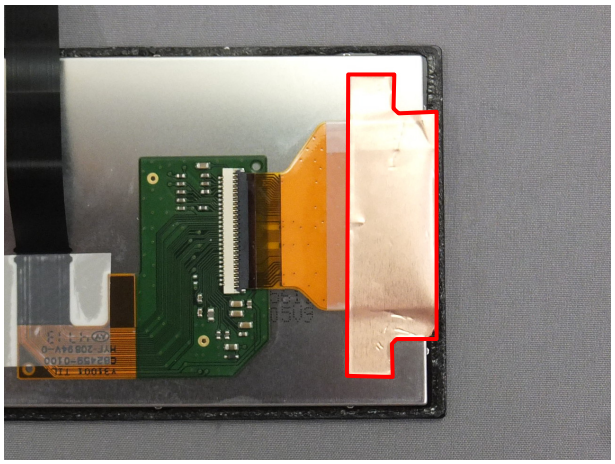


(11) Peel off the SHEET CU LCD.
(12) Unlock the connector and remove the FPC.

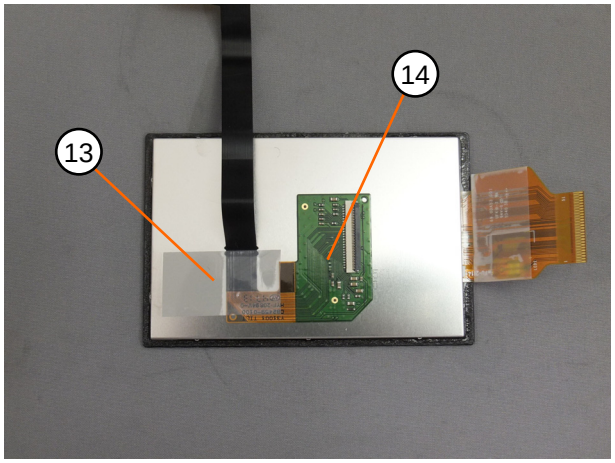


[Notes on Assembly]
SHEET CU LCD is not reusable.

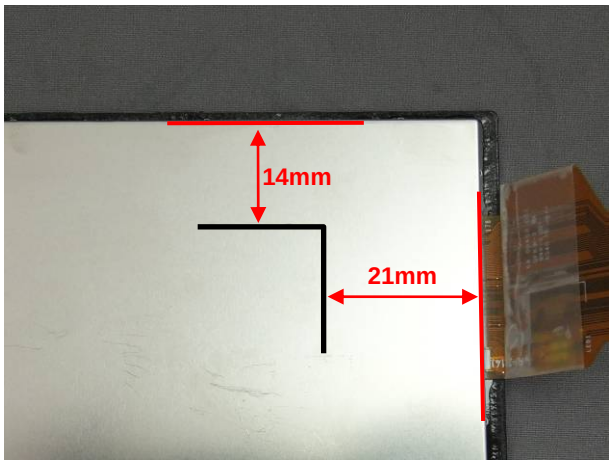
[Affixing position for the SHEET CU LCD]
Affix the SHEET CU LCD on the LCD as shown in the figure.



(13) Peel off the UL TAPE (15X25mm).
(14) Remove the LCDTILT ASSY.



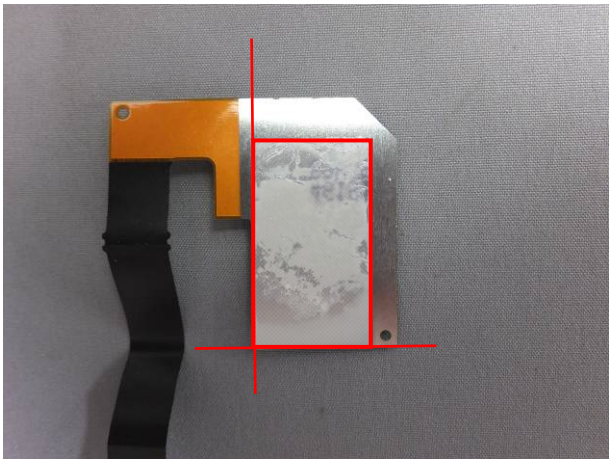
[Notes]
Mark the lines as shown in the picture for the position of the LCDTILT ASSY.



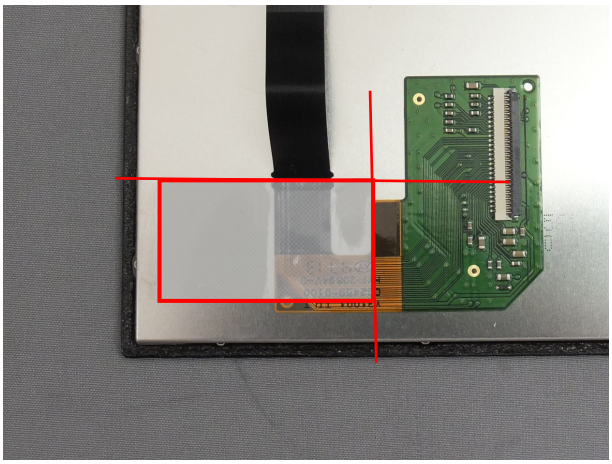
[Notes on Assembly]
TAPE FPC JOINT LCD and UL TAPE (15X25mm) are not reusable.

[Affixing position for the TAPE FPC JOINT LCD and UL TAPE (15X25mm)]

1. Affix the TAPE FPC JOINT LCD on the LCDTILT ASSY as shown in the figure.



2. Affix the UL TAPE (15X25mm) on the LCDTILT ASSY as shown in the figure.
   UL TAPE (CLEAR): ZS00145-100 (Width: 15mm)

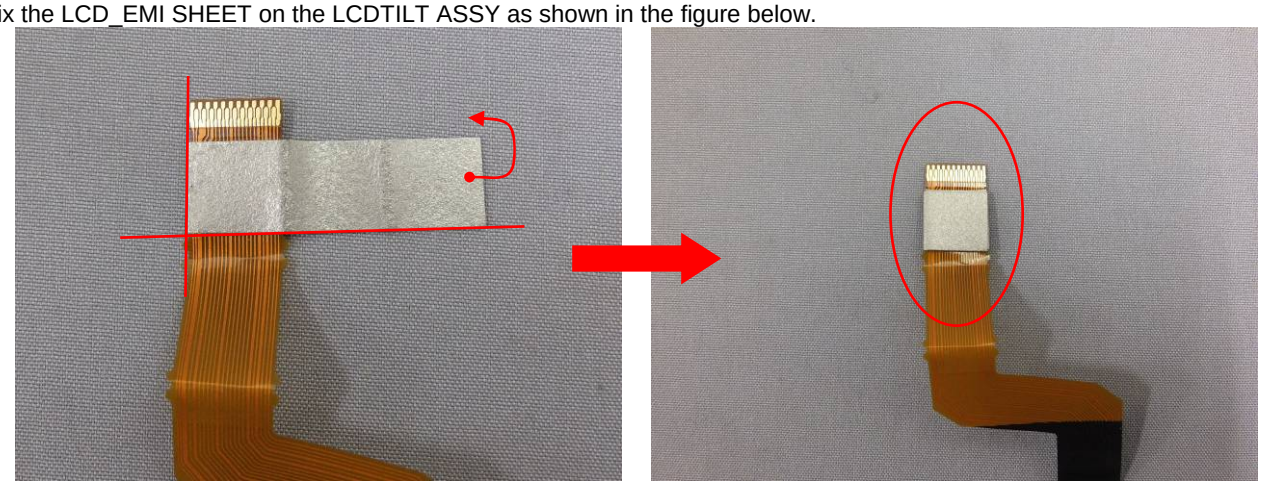


[Precaution when replacing LCDTILT ASSY]

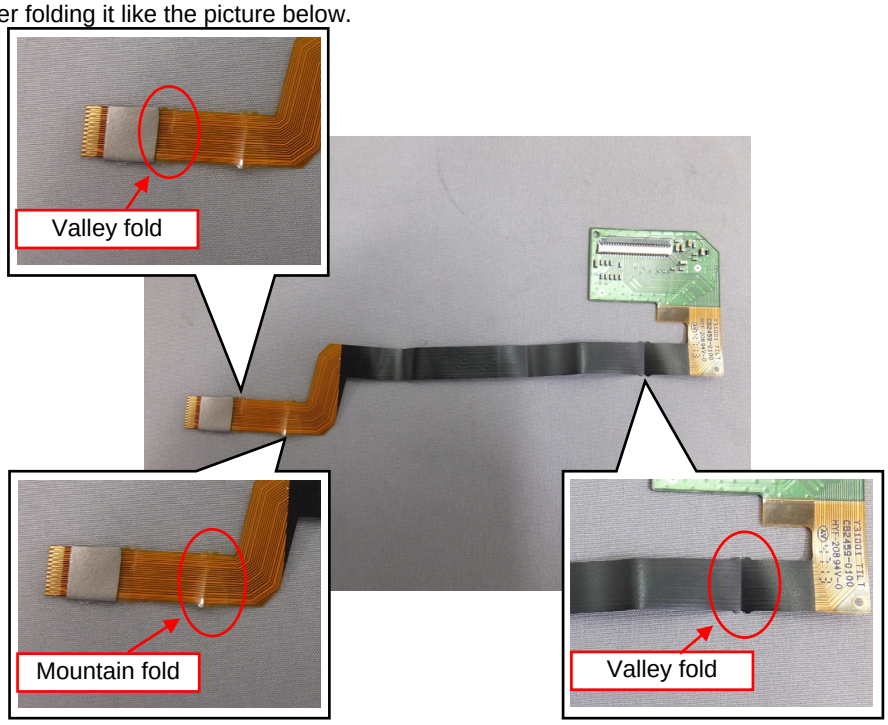
1. **LCD_EMI SHEET is not reusable.**

[Affixing position for the LCD_EMI SHEET]

Affix the LCD_EMI SHEET on the LCDTILT ASSY as shown in the figure below.

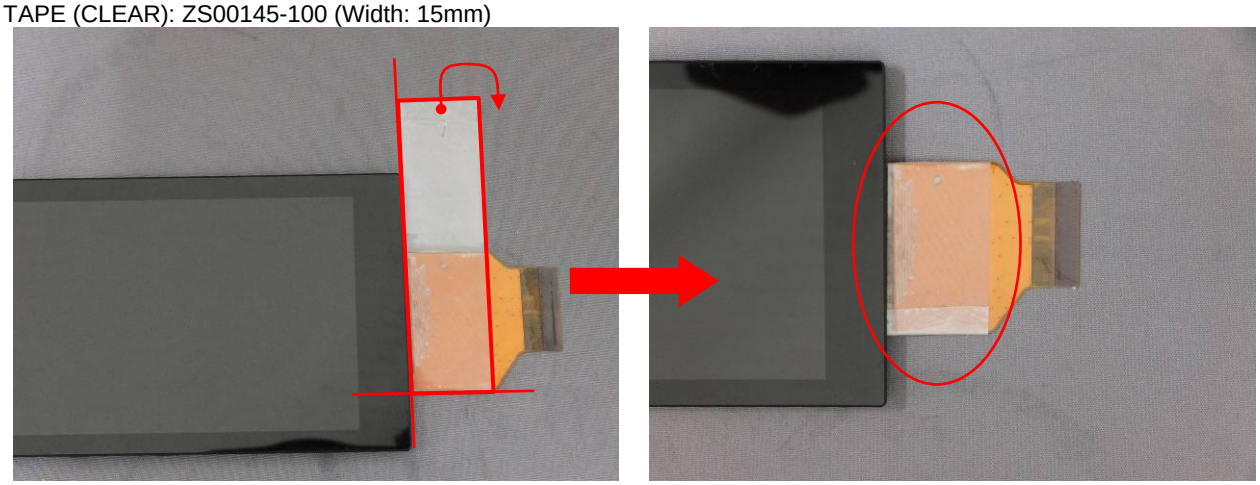


2. Affix the FCP after folding it like the picture below.



[Precaution when replacing LCD]
UL TAPE (15X54mm) is not reusable.

[Affixing position for the UL TAPE (15X54mm)]
Affix the UL TAPE (15X54mm) on the LCD as shown in the figure below.
UL TAPE (CLEAR): ZS00145-100 (Width: 15mm)



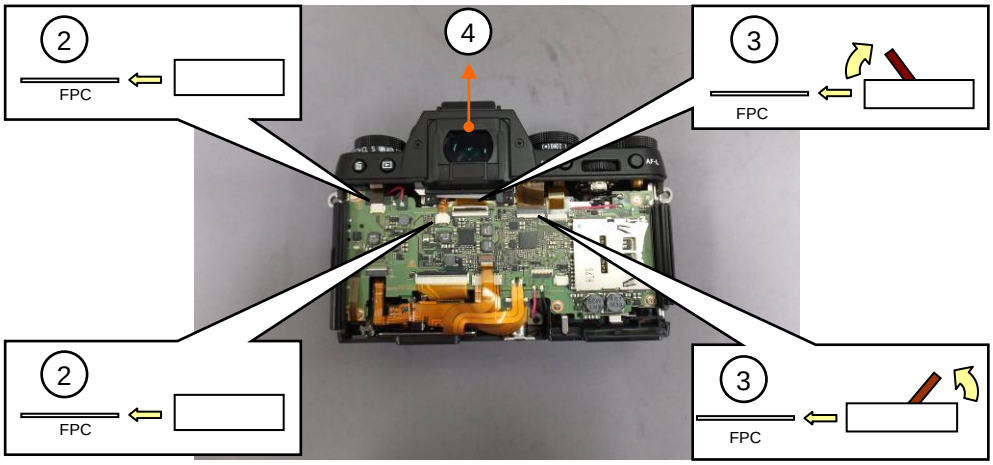
[Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-4. Removing the CONST TOP

(1) Remove the screw (MSGM1.7X2.0B).



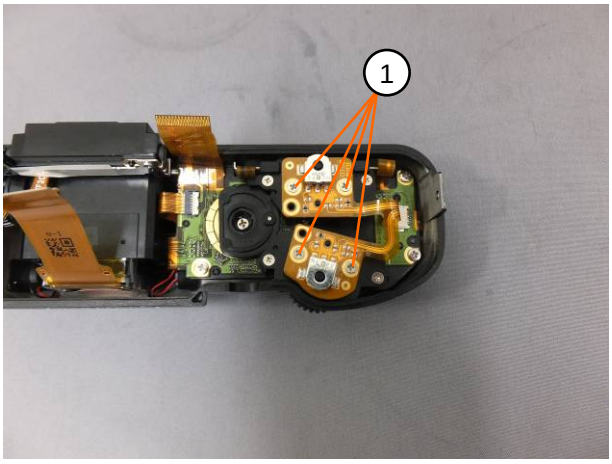
(2) Remove the FPC.
(3) Unlock the connector and remove the FPC.
(4) Remove the CONST TOP in the direction of the arrow.



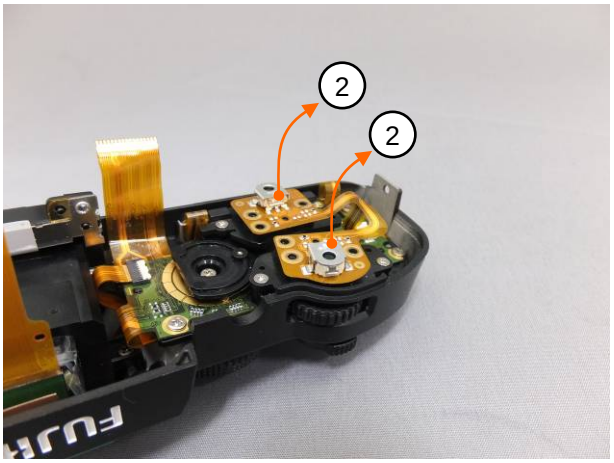
[Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-5. Removing the DIAL COMMAND

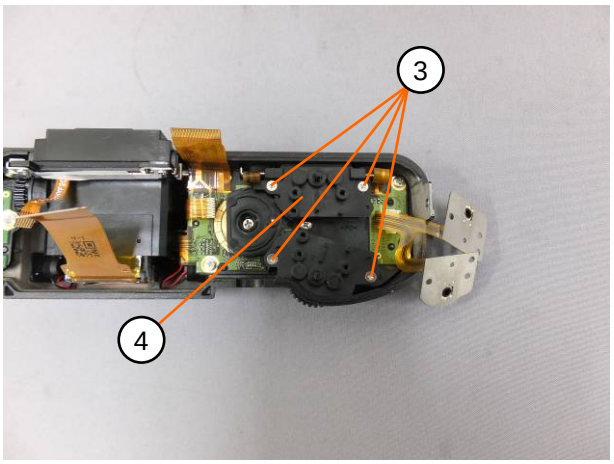
(1) Remove the 4 screws (PS2AM1.4X2.5).



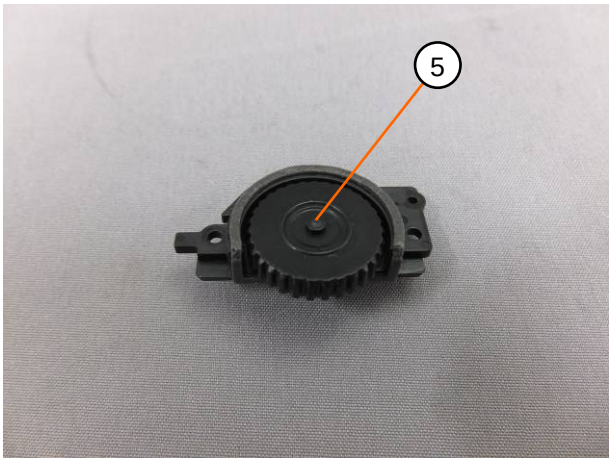
(2) Raise the COMMAND ASSY in the direction of the arrow.



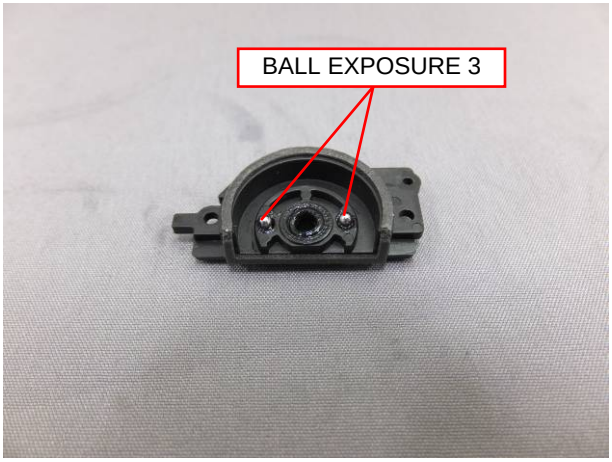
(3) Remove the 4 screws (PS2AM1.4X4.0).
(4) Remove the CONST DIAL R.



(5) Remove the DIAL COMMAND.



[Notes]
Be careful not to lose the BALL EXPOSURE 3.



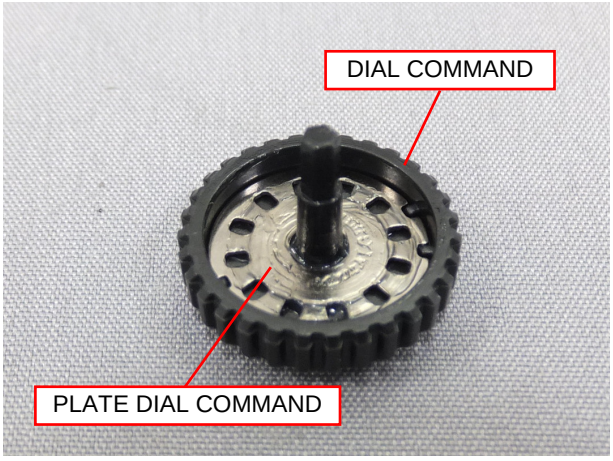
[Notes on Assembly]
Be sure to apply the lubricant to the DIAL COMMAND.
1. Lubricant: ZS00178-100 (LEN-317FR(GREASE))



2. Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))

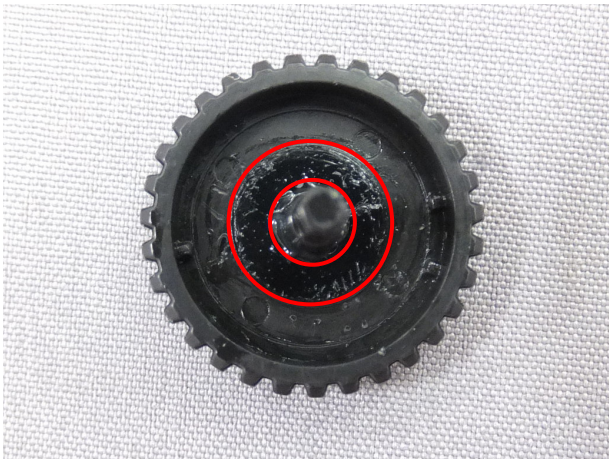


[Precaution when replacing DIAL COMMAND]
1. **When replacing the DIAL COMMAND, PLATE DIAL COMMAND has to be replaced at same time.**

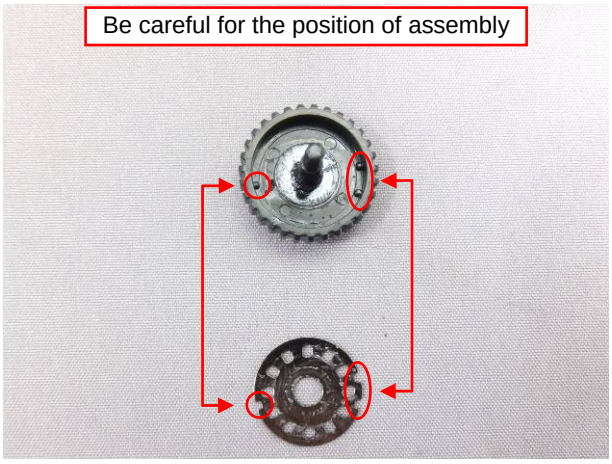


2. **TAPE COMMAND DIAL is not reusable.**

[Affixing position for the TAPE COMMAND DIAL]
Affix the TAPE COMMAND DIAL on the DIAL COMMAND as shown in the figure.

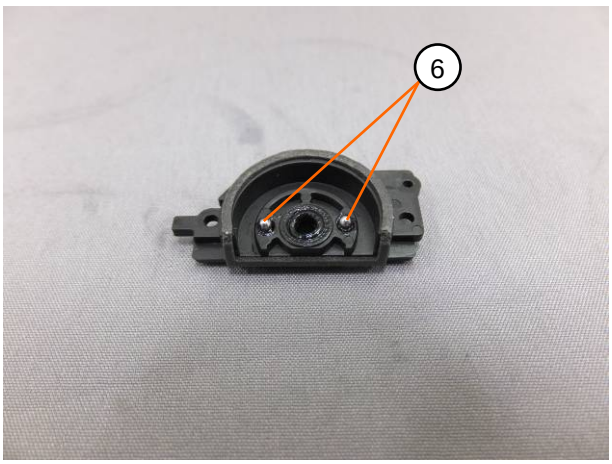


3. Be careful for the assembly position of the PLATE DIAL COMMAND.



(6) Remove the BALL EXPOSURE 3.

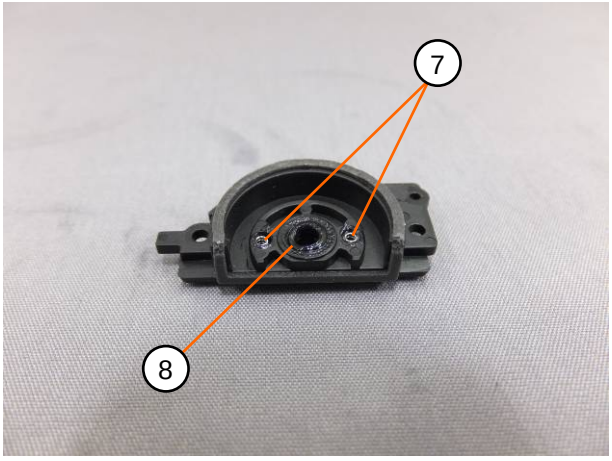
[Notes on Assembly]
Be sure to apply the lubricant to the BALL EXPOSURE 3.
Lubricant: ZS00178-100 (LEN-317FR(GREASE))



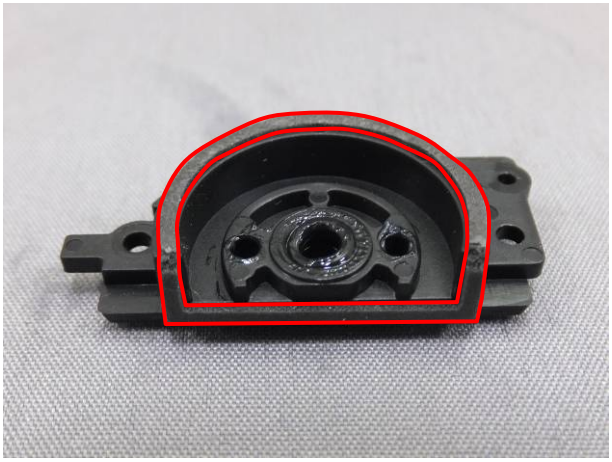
(7) Remove the CSP CLICK COMMAND.
(8) Remove the O RING A.

[Notes]
Be careful not to lose the CSP CLICK COMMAND.

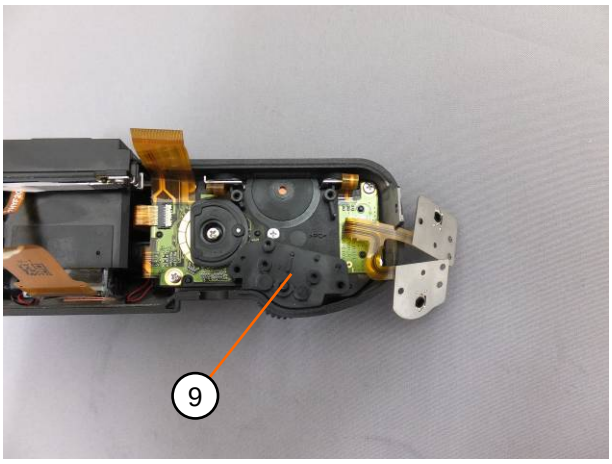
[Notes on Assembly]
Be sure to apply the lubricant to the CSP CLICK COMMAND.
Lubricant: ZS00178-100 (LEN-317FR(GREASE))



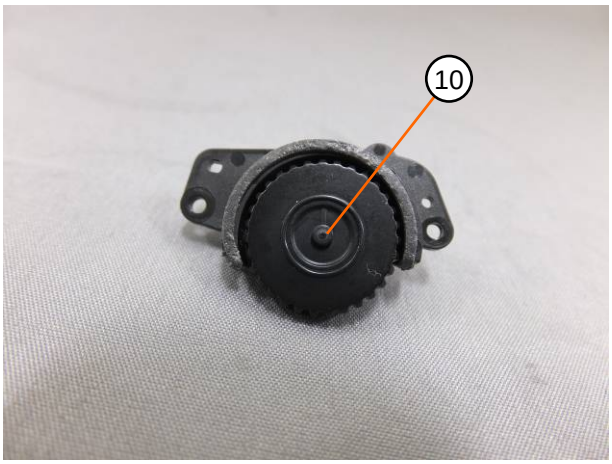
[Affixing position for the CUSHION WP COM R 1]
Affix the CUSHION WP COM R 1 on the HOLDER COMMAND R as shown in the figure.



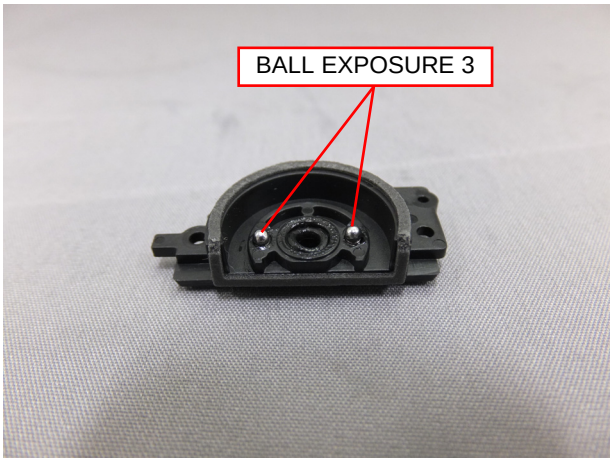
(9) Remove the CONST DIAL F.



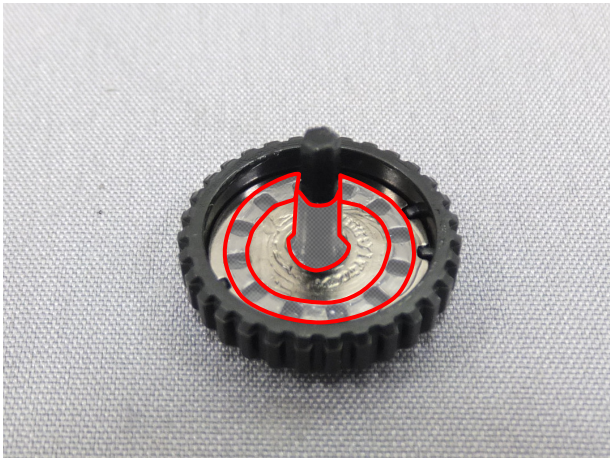
(10) Remove the DIAL COMMAND.



[Notes]
Be careful not to lose the BALL EXPOSURE 3.



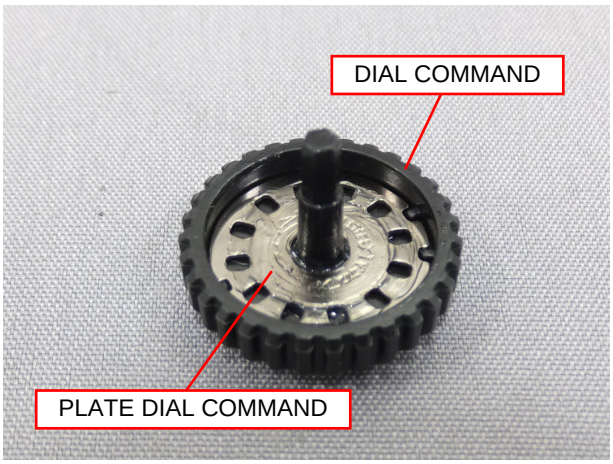
[Notes on Assembly]
Be sure to apply the lubricant to the DIAL COMMAND.
1. Lubricant: ZS00178-100 (LEN-317FR(GREASE))



2. Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))

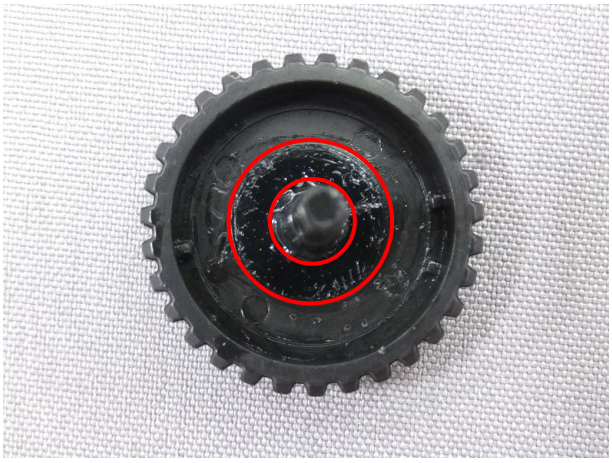


[Precaution when replacing DIAL COMMAND]
1. **When replacing the DIAL COMMAND, PLATE DIAL COMMAND has to be replaced at same time.**

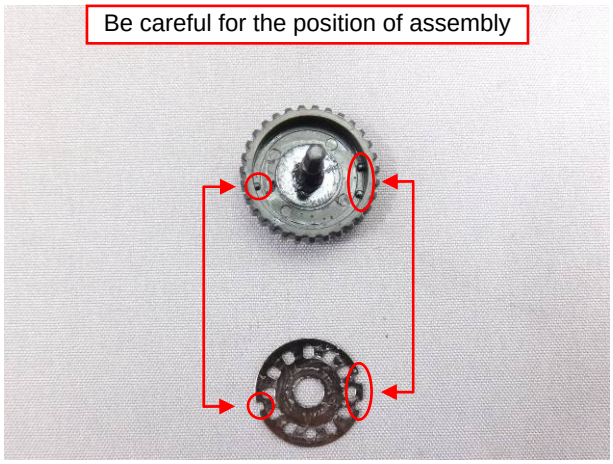


2. **TAPE COMMAND DIAL is not reusable.**

[Affixing position for the TAPE COMMAND DIAL]
Affix the TAPE COMMAND DIAL on the DIAL COMMAND as shown in the figure.

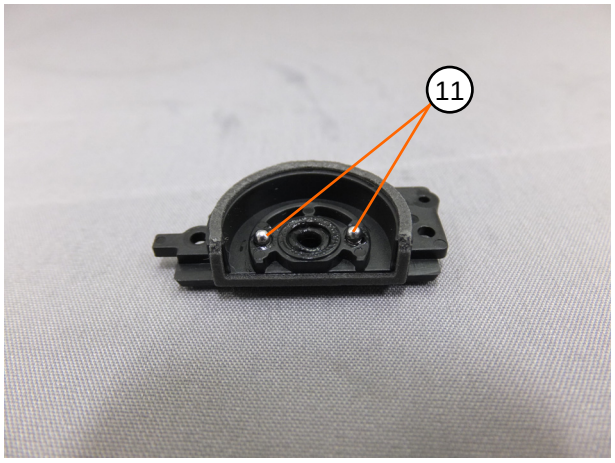


3. Be careful for the assembly position of the PLATE DIAL COMMAND.



(11) Remove the BALL EXPOSURE 3.

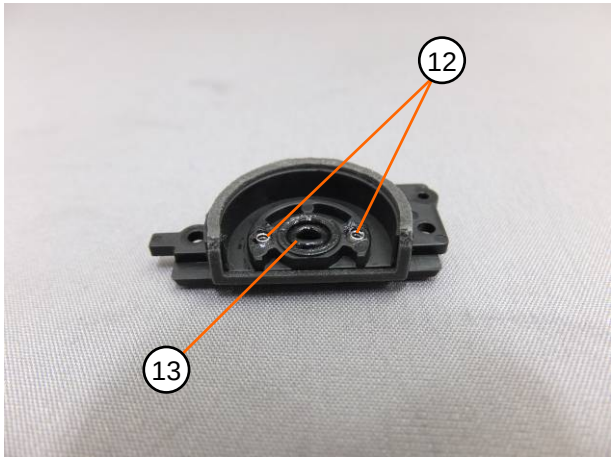
[Notes on Assembly]
Be sure to apply the lubricant to the BALL EXPOSURE 3.
Lubricant: ZS00178-100 (LEN-317FR(GREASE))



(12) Remove the CSP CLICK COMMAND.
(13) Remove the O RING A.

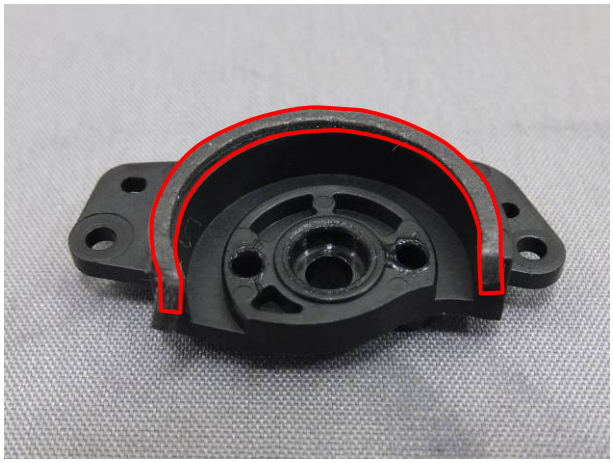
[Notes]
Be careful not to lose the CSP CLICK COMMAND.

[Notes on Assembly]
Be sure to apply the lubricant to the CSP CLICK COMMAND.
Lubricant: ZS00178-100 (LEN-317FR(GREASE))



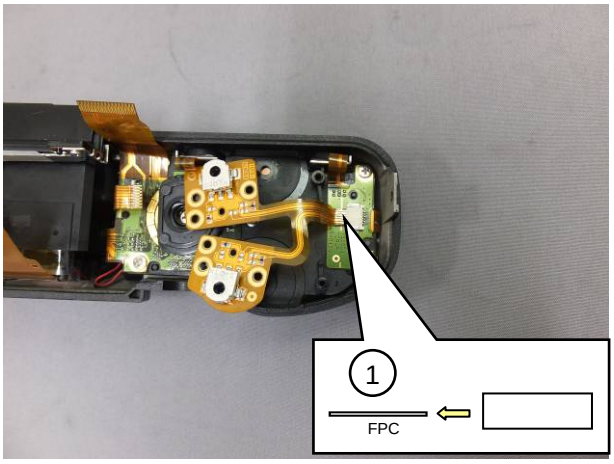
[Affixing position for the CUSHION WP COM F 1]
Affix the CUSHION WP COM F 1 on the HOLDER COMMAND F as shown in the figure.

[Assembly]
Assemble procedure is reverse of the disassembly procedure.

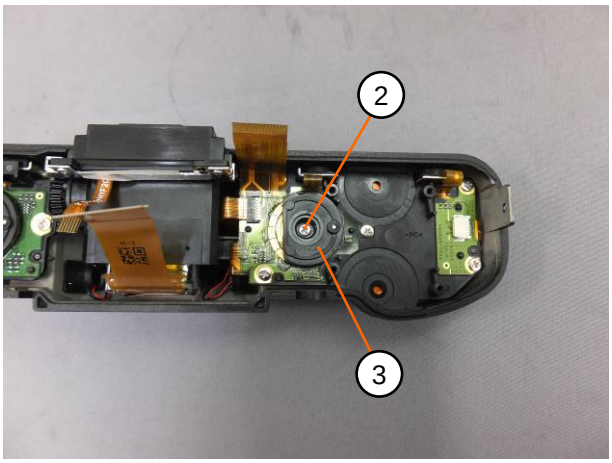


2-6. Removing the TOP R ASSY

(1) Remove the COMMAND ASSY.

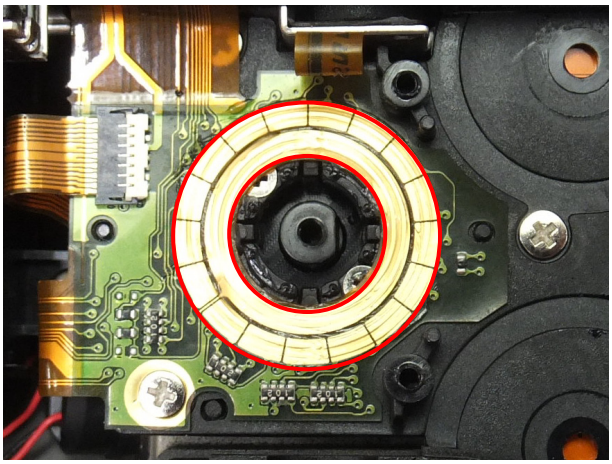


(2) Remove the screw (BT2M1.7X5.0).
(3) Remove the HOLDER DIAL.

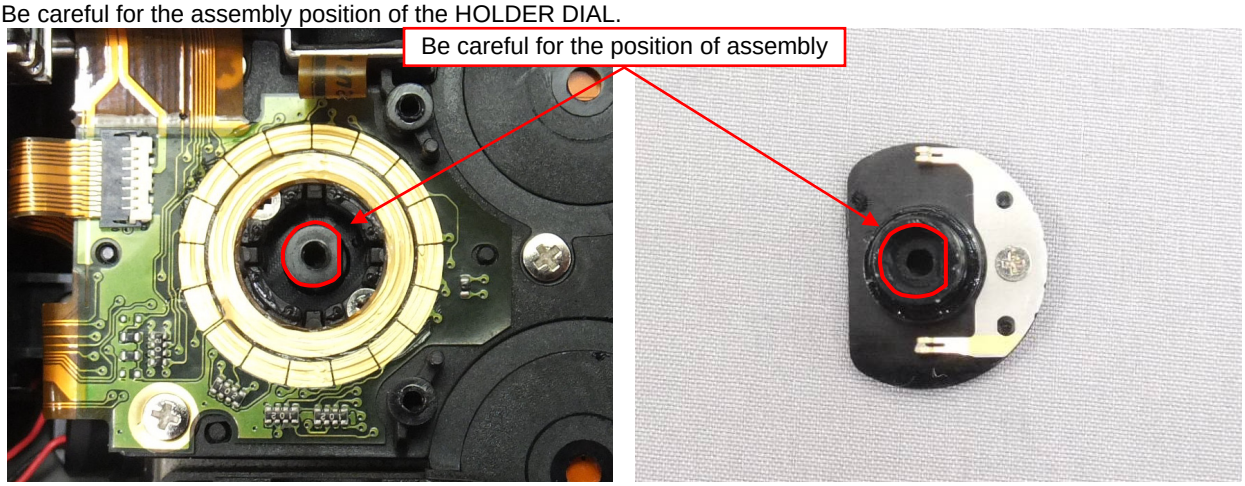


[Notes on Assembly]

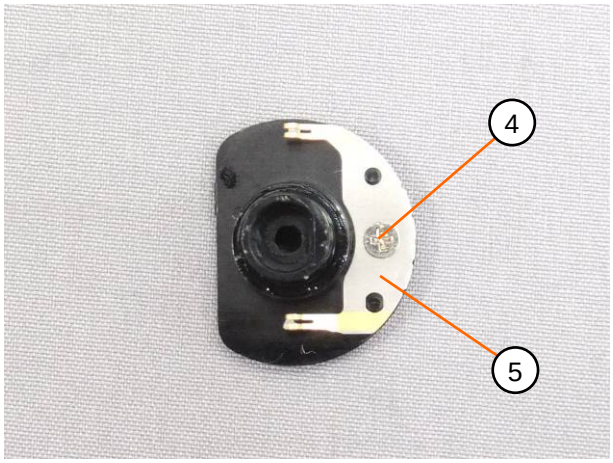
1. Be sure to apply the lubricant to the TOP R ASSY.
   Lubricant: ZS00177-100 (CRS-811(GREASE))



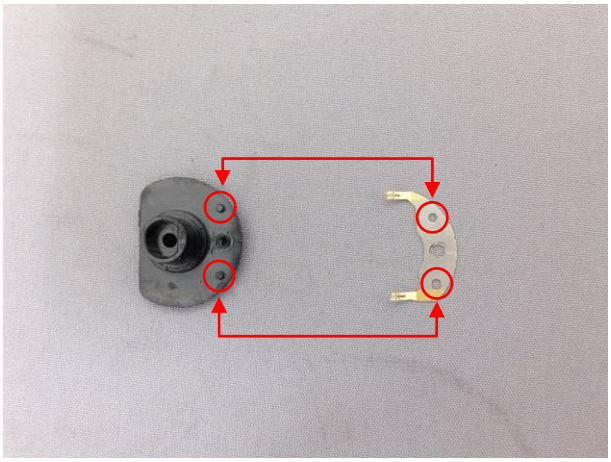
2. Be careful for the assembly position of the HOLDER DIAL.



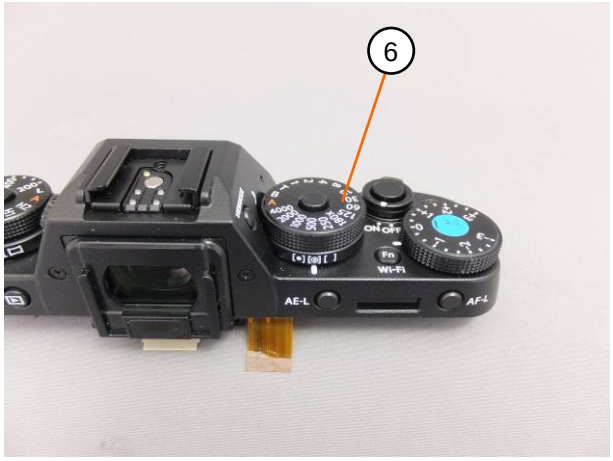
(4) Remove the screw (PS2AM1.4X2.0).
(5) Remove the TERMINAL DIAL SPE.



[Notes on Assembly]
Check the bosses to determine the position of the HOLDER DIAL.



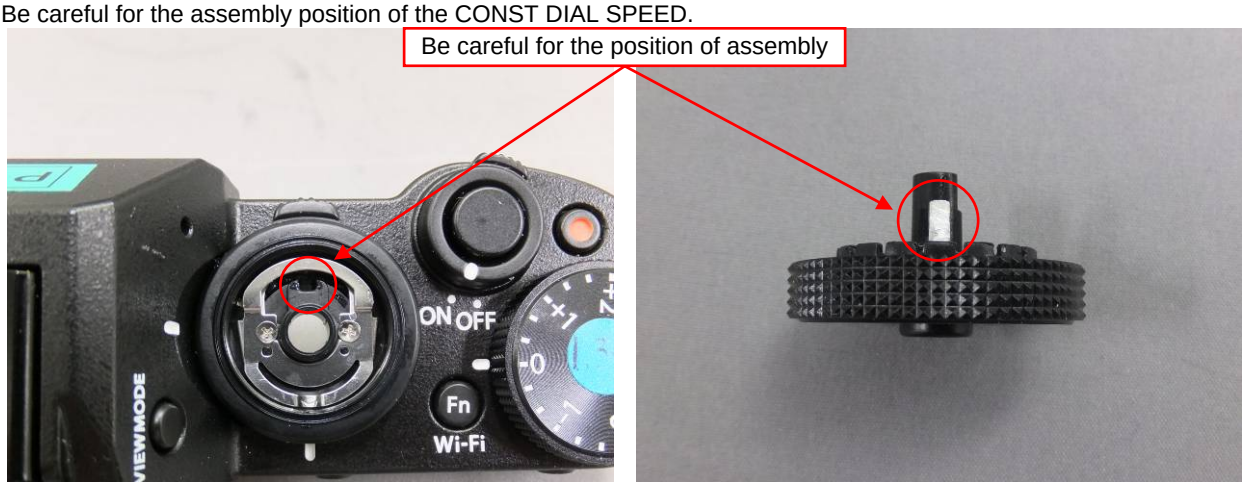
(6) Remove the CONST DIAL SPEED.



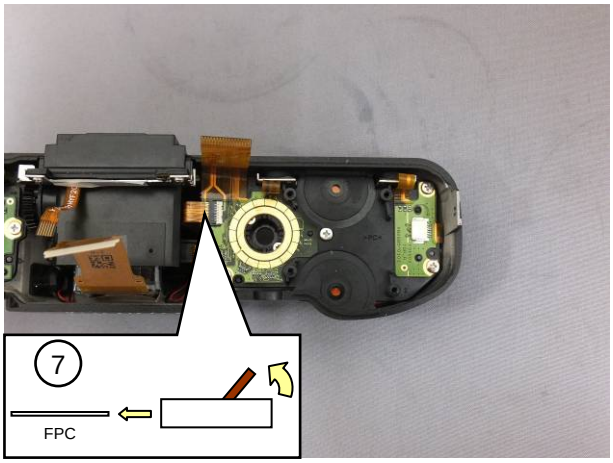
[Notes on Assembly]
Be sure to apply the lubricant to the CONST DIAL SPEED.
1. Lubricant: ZS00178-100 (LEN-317FR(GREASE))



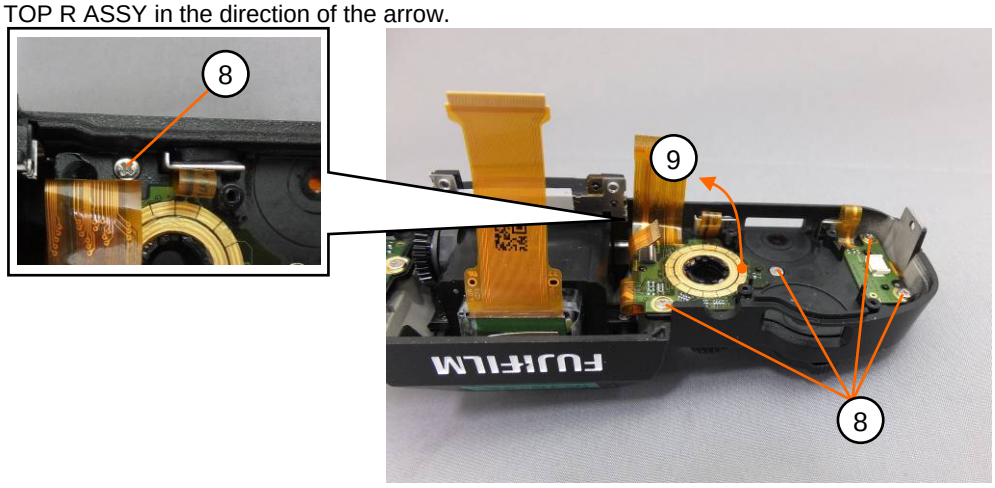
2. Be careful for the assembly position of the CONST DIAL SPEED.



(7) Unlock the connector and remove the FPC.

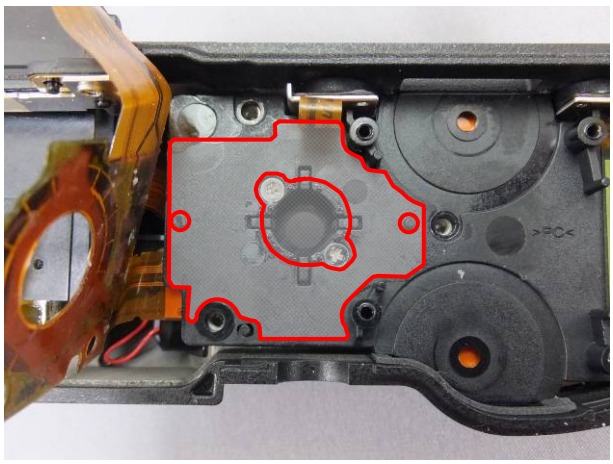


(8) Remove the 5 screws (MS2M1.7X4.0).
(9) Peel off the TOP R ASSY in the direction of the arrow.

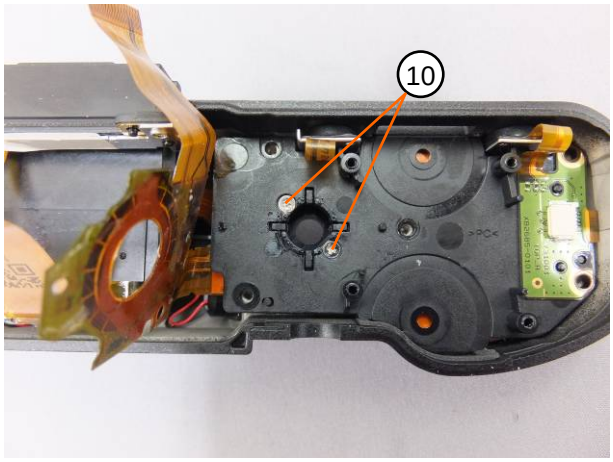


[Notes on Assembly]
TAPE FPC TOP RIGHT 3 is not reusable.

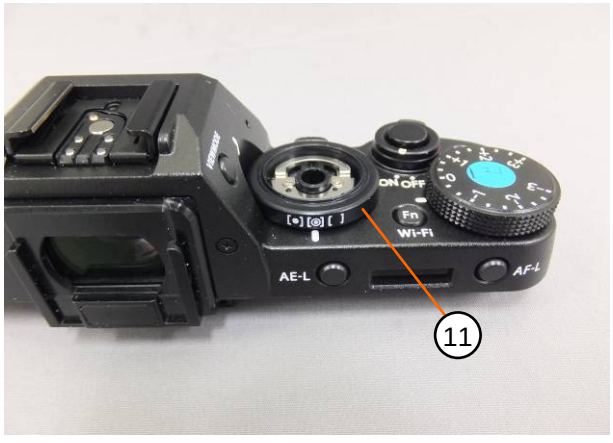
[Affixing position for the TAPE FPC TOP RIGHT 3]
Affix the TAPE FPC TOP RIGHT 3 on the INNER TOP RIGHT as shown in the figure.



(10) Remove the 2 screws (PS2AM1.4X4.0).



(11) Remove the DIAL DB L SPEED.



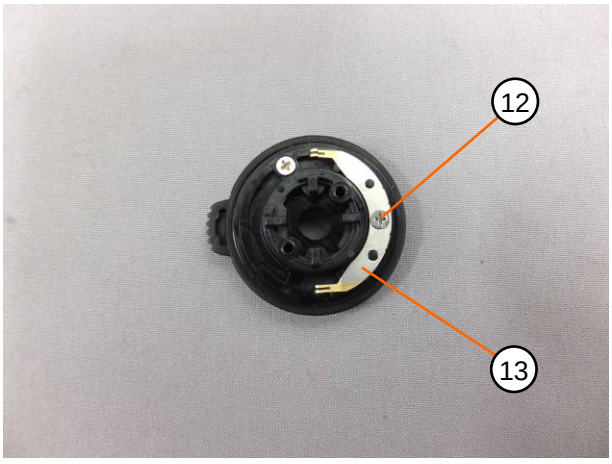
[Notes on Assembly]
1. Be sure to apply the lubricant to the DIAL DB L SPEED.
   Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))



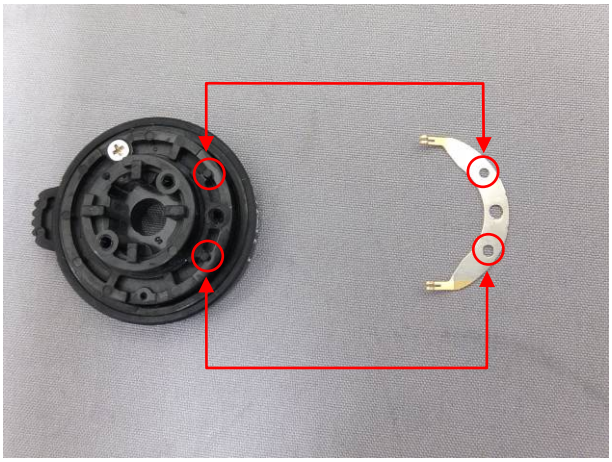
2. Be careful for the assembly position of the DIAL DB L SPEED.



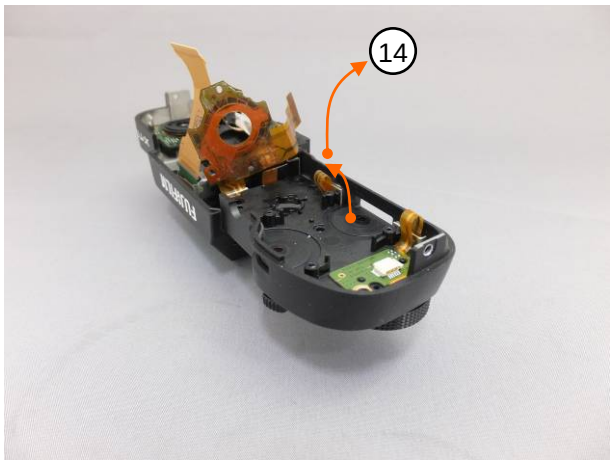
(12) Remove the screw (PS2AM1.4X2.0).
(13) Remove the TERMINAL DIAL L.



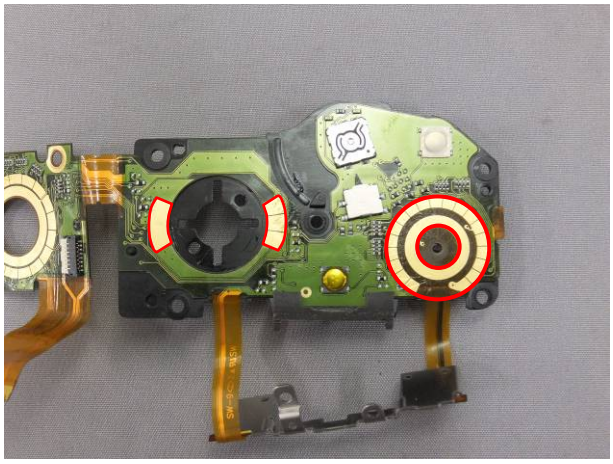
[Notes on Assembly]
Check the bosses to determine the position of the DIAL DB L SPEED.



(14) Raise the INNER TOP RIGHT in the direction of the arrow.



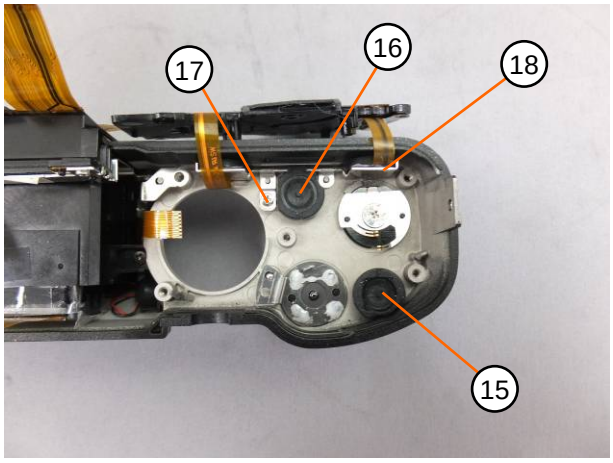
[Notes on Assembly]
1. Be sure to apply the lubricant to the TOP R ASSY.
   Lubricant: ZS00177-100 (CRS-811(GREASE))



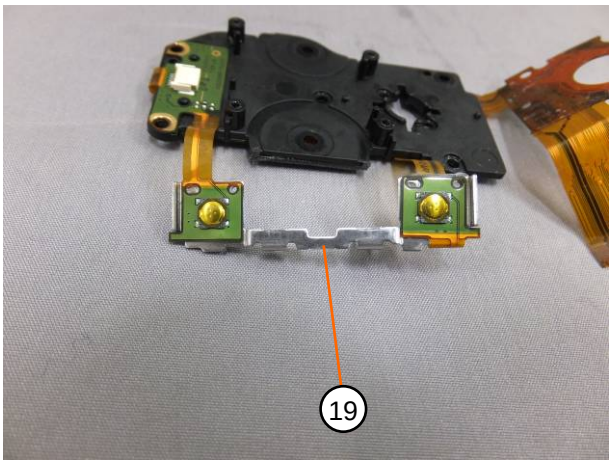
[Notes on Assembly]
2. To prevent switch damage, set power switch to ON before assembling INNER TOP RIGHT.



(15) Remove the BUTTON MOVIE.
(16) Remove the BUTTON TOP FN.
(17) Remove the screw (MS2M1.4X2.0).
(18) Remove the PLATE HOLDER AE-L.

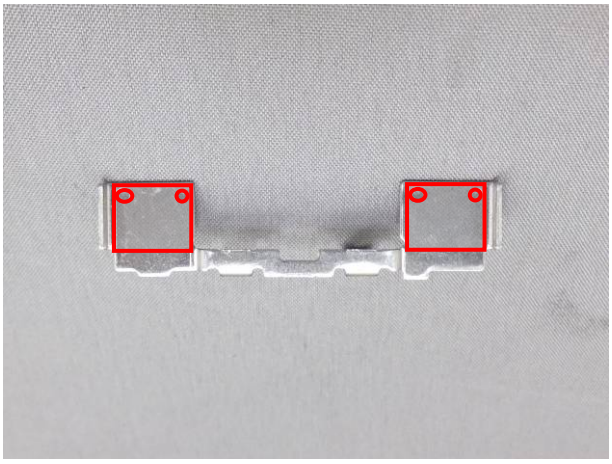


(19) Remove the PLATE HOLDER AE-L.

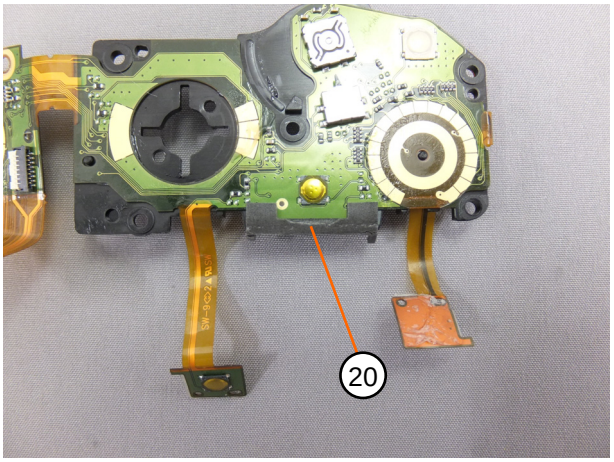


[Notes on Assembly]
TAPE FPC TOP RIGHT 2 is not reusable.

[Affixing position for the TAPE FPC TOP RIGHT 2]
Affix the TAPE FPC TOP RIGHT 2 on the PLATE HOLDER AE-L as shown in the figure.

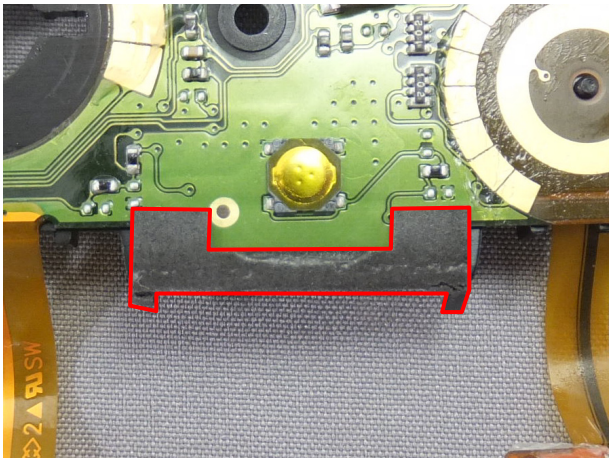


(20) Peel off the CUSHION WP COM R 2.

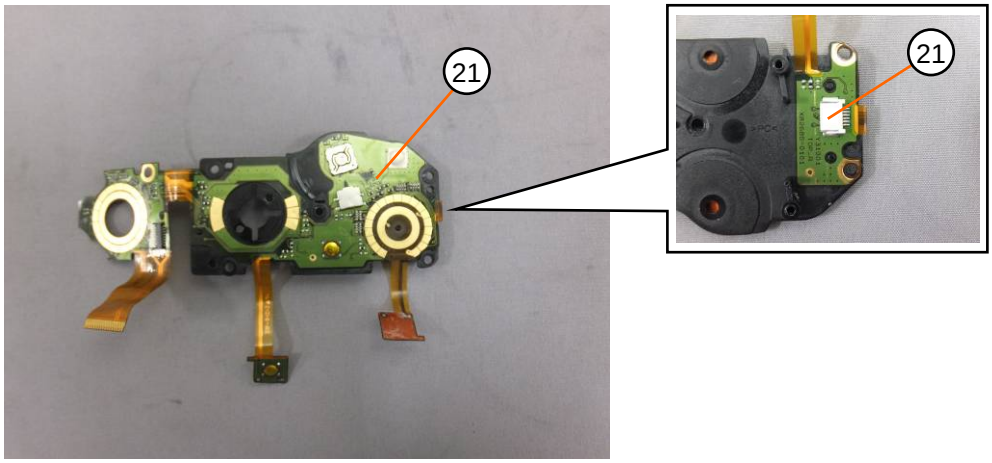


[Notes on Assembly]
CUSHION WP COM R 2 is not reusable.

[Affixing position for the CUSHION WP COM R 2]
Affix the CUSHION WP COM R 2 on the INNER TOP RIGHT as shown in the figure.

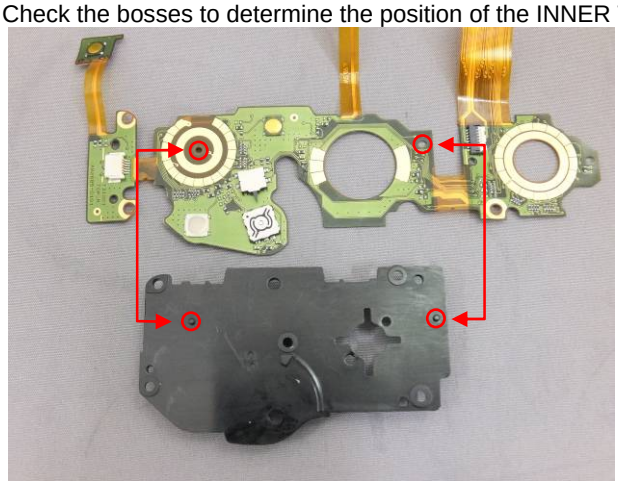


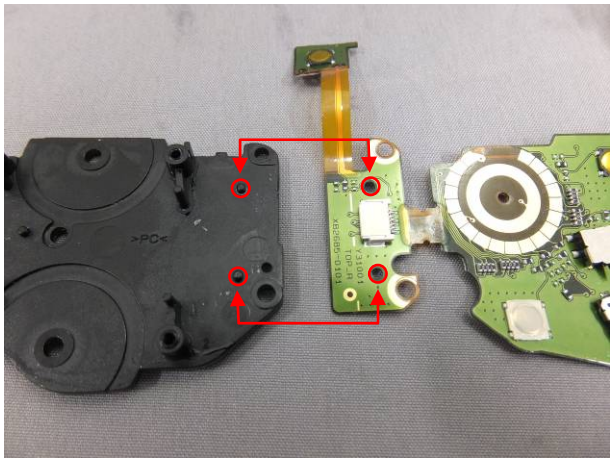
(21) Peel off the TOP R ASSY.



[Notes on Assembly]

1. Check the bosses to determine the position of the INNER TOP RIGHT.

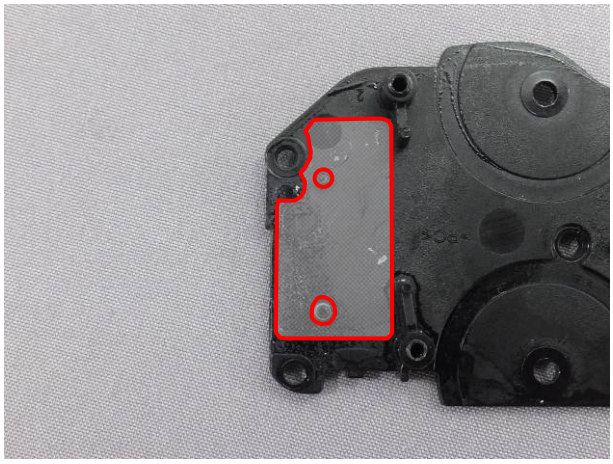




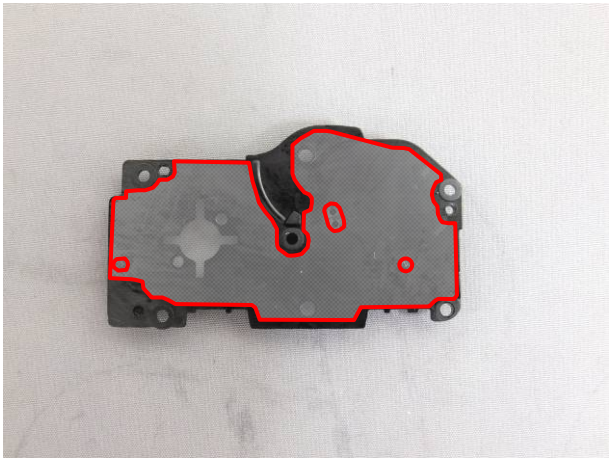
2. **TAPE FPC TOP RIGHT 4 and TAPE FPC TOP RIGHT 1 are not reusable.**

[Affixing position for the TAPE FPC TOP RIGHT 4 and TAPE FPC TOP RIGHT 1]

1. Affix the TAPE FPC TOP RIGHT 4 on the INNER TOP RIGHT as shown in the figure.

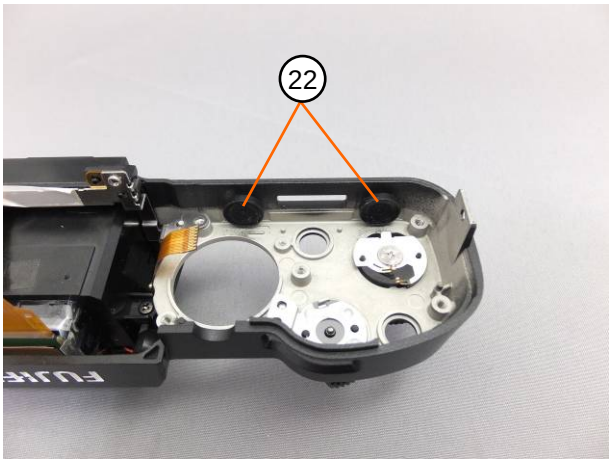


2. Affix the TAPE FPC TOP RIGHT 1 on the INNER TOP RIGHT as shown in the figure.



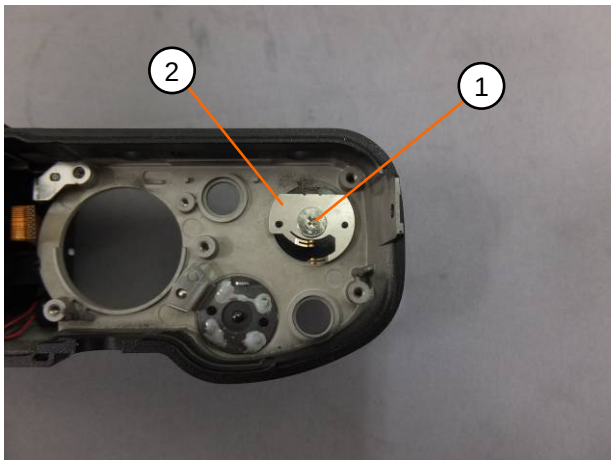
(22) Remove the BUTTON TOP R RIGHT.

[Assembly]
Assemble procedure is reverse of the disassembly procedure.

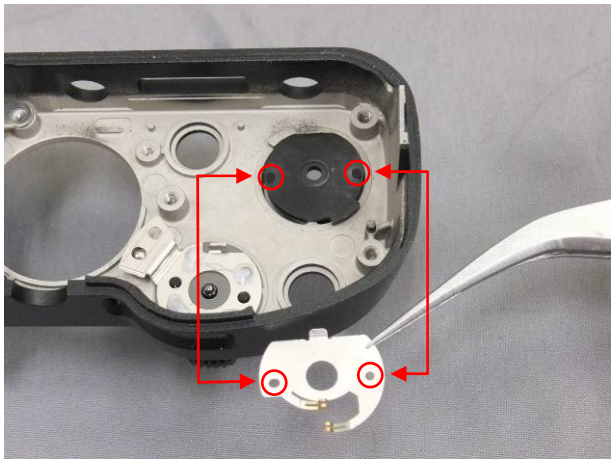


2-7. Removing the CONST DIAL EXPOSURE

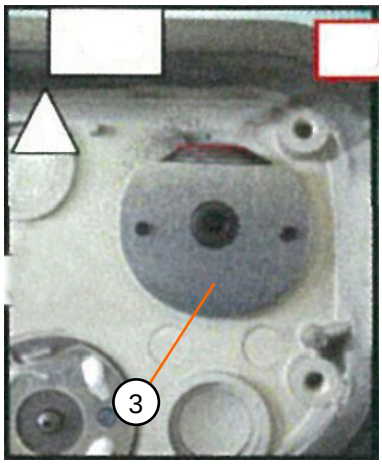
(1) Remove the screw (BTY5M1.7X3.5).
(2) Remove the TERMINAL DIAL 2.



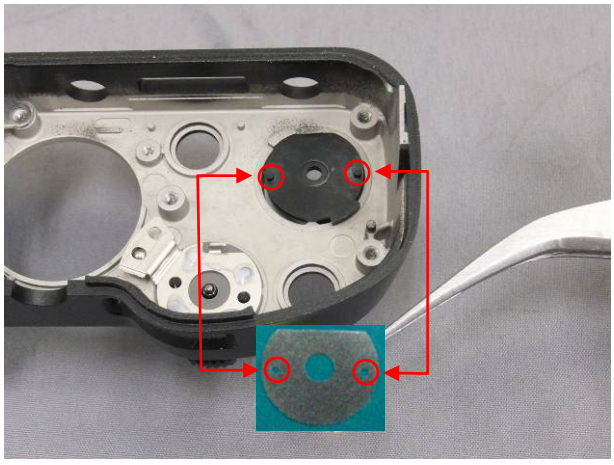
[Notes on Assembly]
Check the bosses to determine the position of the HOLDER TERMINAL.



☆ (3) Remove the PLATE SPACER.

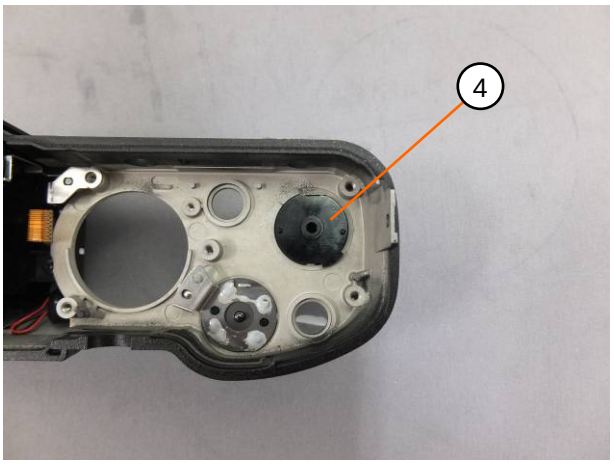


☆ [Notes on Assembly]
Check the bosses to determine the position of the PLATE SPACER.

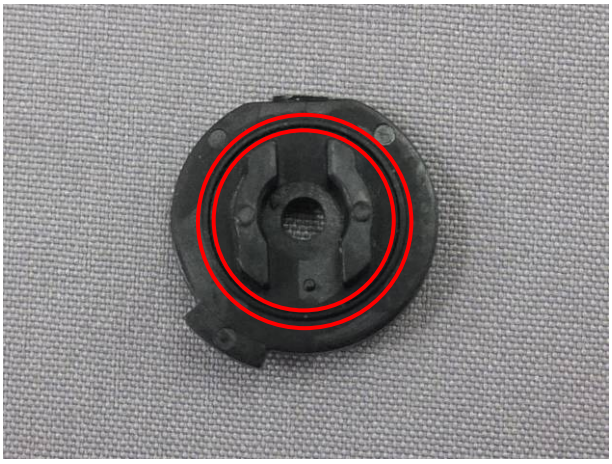


☆: Revised

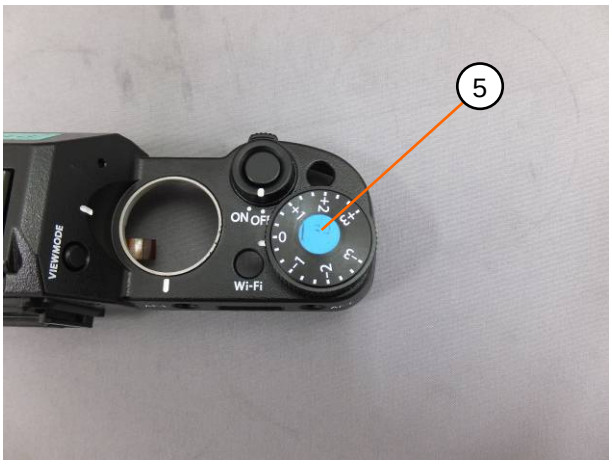
(4) Remove the HOLDER TERMINAL.



[Notes on Assembly]
Be sure to apply the lubricant to the HOLDER TERMINAL.
Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))



(5) Remove the CONST DIAL EXPOSURE.



[Notes]
Be careful not to lose the BALL EXPOSURE 3.



[Notes on Assembly]
Be sure to apply the lubricant to the CONST DIAL EXPOSURE.
1. Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))



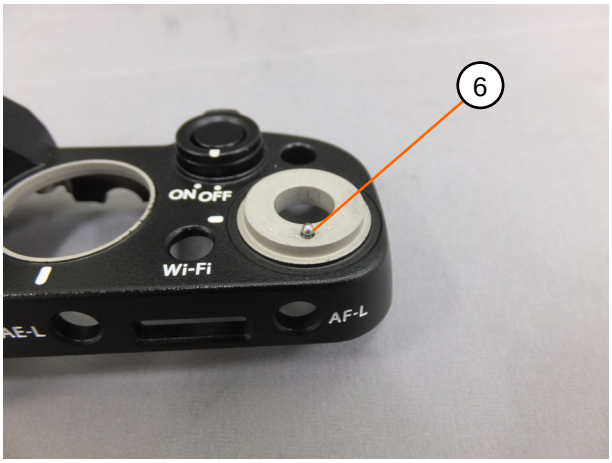


2. Lubricant: ZS00196-100 (SANKOL FG-87HSR)

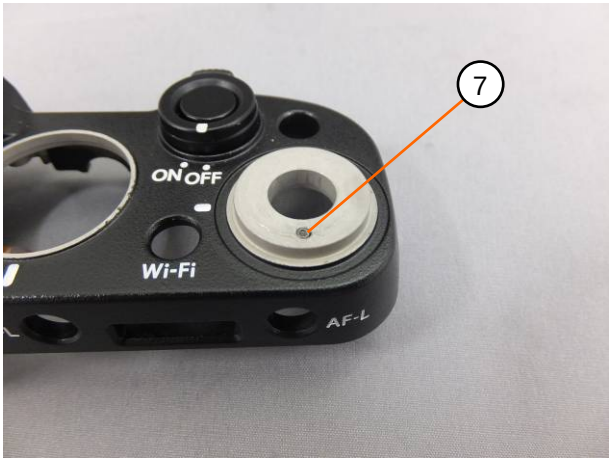


(6) Remove the BALL EXPOSURE 3.

[Notes on Assembly]
Be sure to apply the lubricant to the BALL EXPOSURE 3.
Lubricant: ZS00196-100 (SANKOL FG-87HSR)

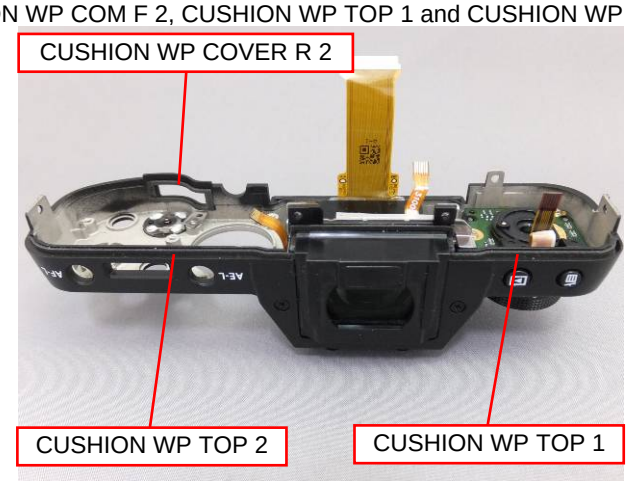


(7) Remove the CSP EXPOSURE 2.



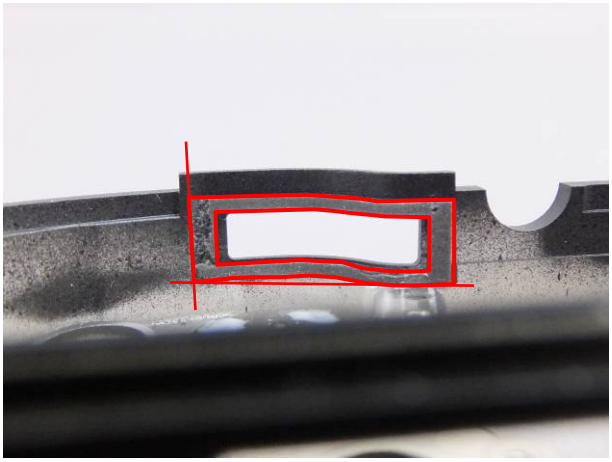
[Notes on Assembly]
Be sure to apply the lubricant to the CSP EXPOSURE 2.
Lubricant: ZS00196-100 (SANKOL FG-87HSR)

[Affixing position for the CUSHION WP COM F 2, CUSHION WP TOP 1 and CUSHION WP TOP 2]

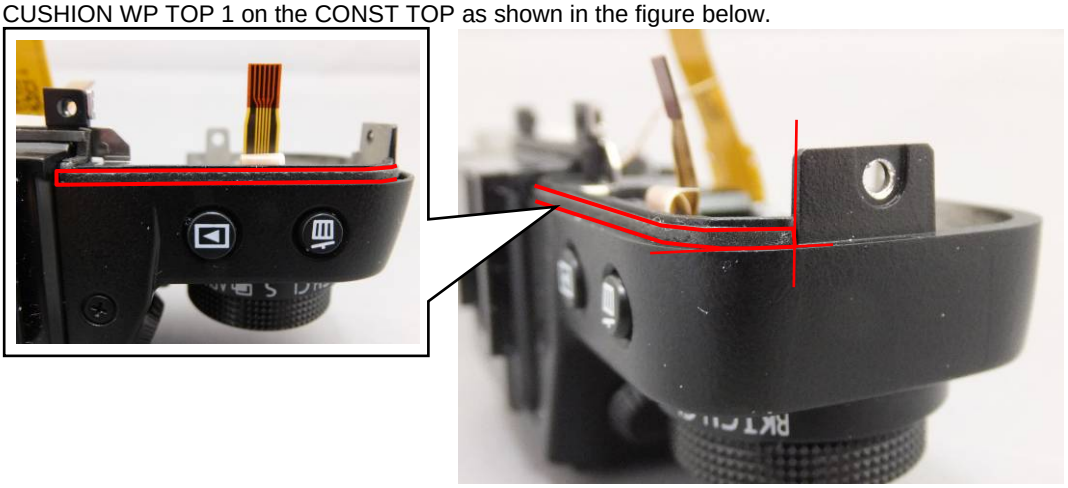


[Affixing position for the CUSHION WP COM F 2, CUSHION WP TOP 1 and CUSHION WP TOP 2]

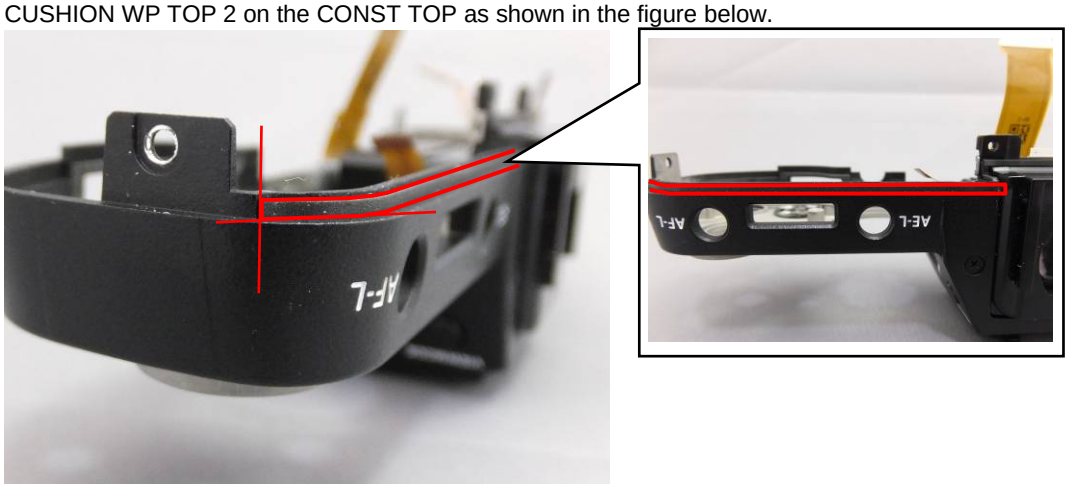
1. Affix the CUSHION WP COM F 2 on the CONST TOP as shown in the figure.



2. Affix the CUSHION WP TOP 1 on the CONST TOP as shown in the figure below.



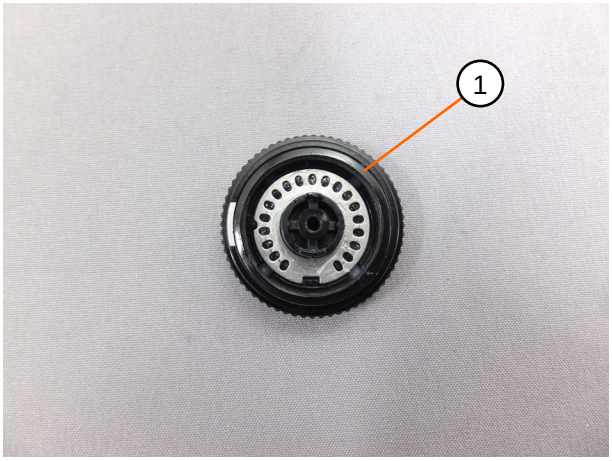
3. Affix the CUSHION WP TOP 2 on the CONST TOP as shown in the figure below.



[Assembly]
Assemble procedure is reverse of the disassembly procedure.

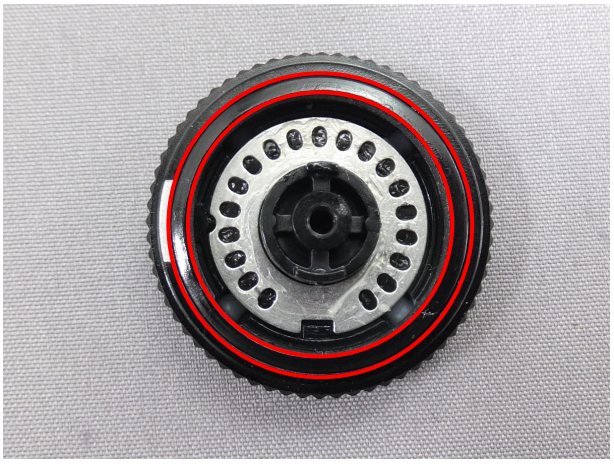
2-7-1. Disassembling the CONST DIAL EXPOSURE

(1) Peel off the CUSHION DIALEXPOSURE.

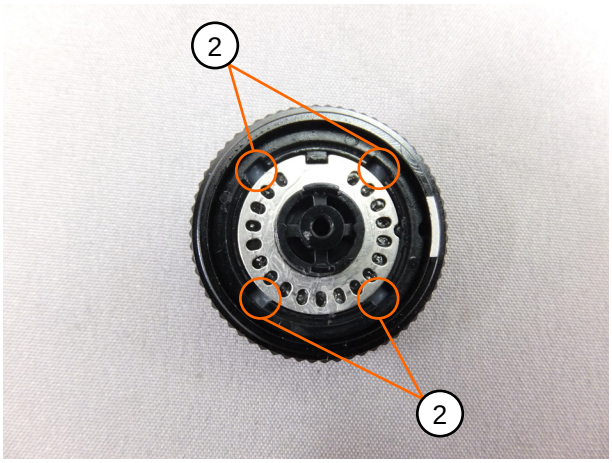


[Notes on Assembly]
CUSHION DIALEXPOSURE is not reusable.

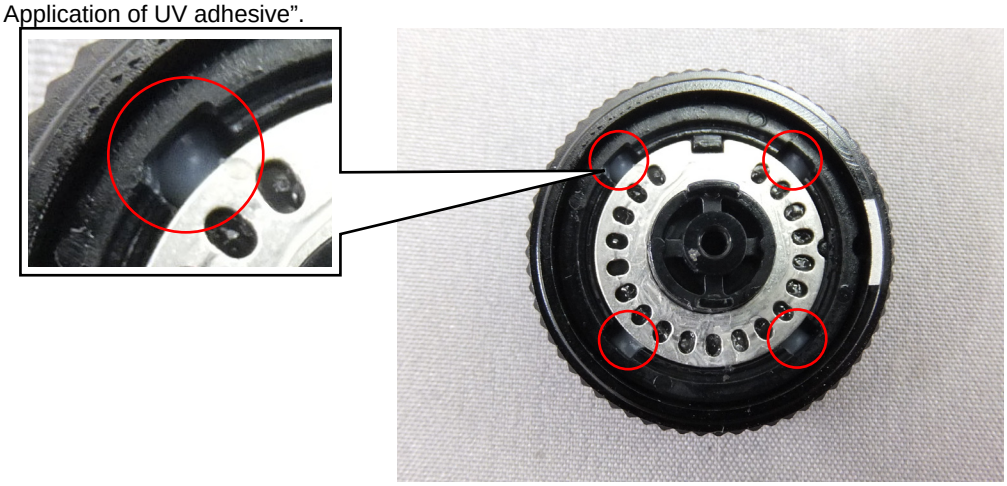
[Affixing position for the CUSHION DIALEXPOSURE]
Affix the CUSHION DIALEXPOSURE on the BASE DIAL EXPOSURE as shown in the figure.



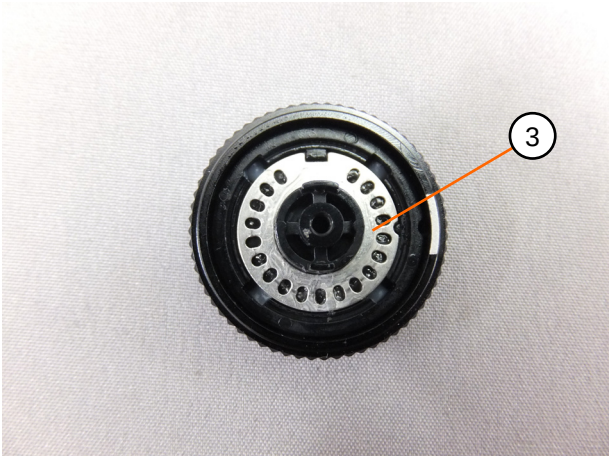
(2) Peel off the UV adhesives.



[Notes on Assembly]
Apply the UV adhesives to the PLATE CLICK EXPOSURE as shown in the figure below.
Refer to “2-22. Application of UV adhesive”.



(3) Remove the PLATE CLICK EXPOSURE.

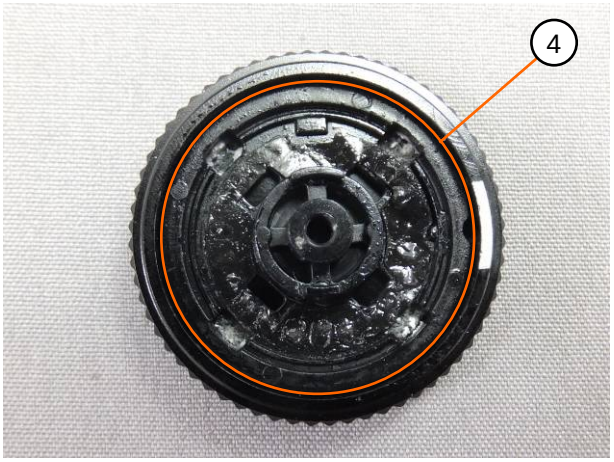


[Notes on Assembly]
TAPE DIAL EXPOSURE is not reusable.

[Affixing position for the TAPE DIAL EXPOSURE]
Affix the TAPE DIAL EXPOSURE on the BASE DIAL EXPOSURE as shown in the figure.

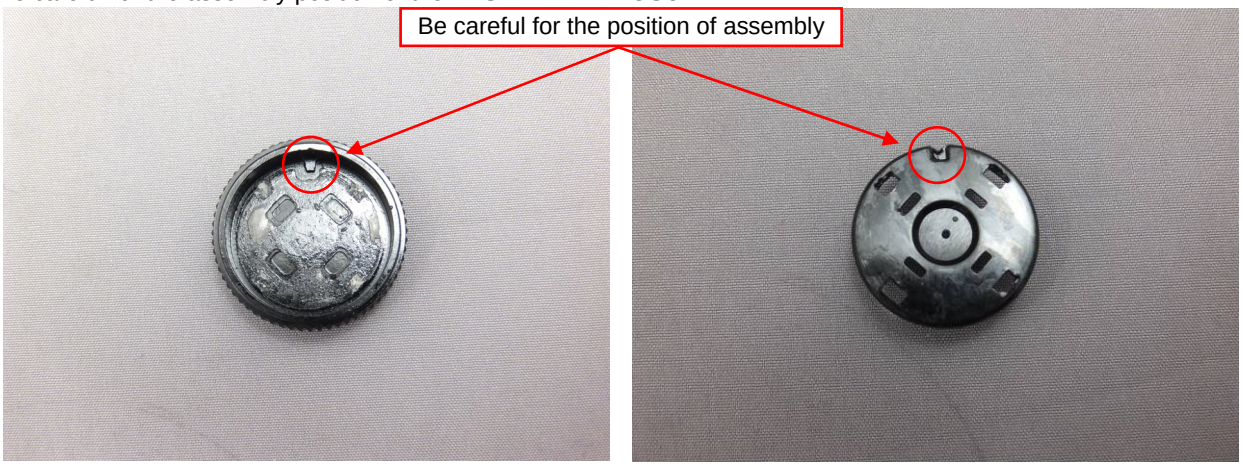


(4) Remove the BASE DIAL EXPOSURE.



[Notes on Assembly]

1. Be careful for the assembly position of the BASE DIAL EXPOSURE.



2. **TAPE BASE DIAL EXP is not reusable.**

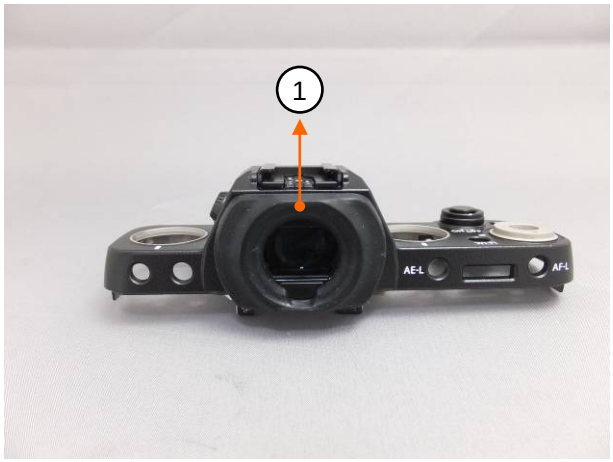
[Affixing position for the TAPE BASE DIAL EXP]
Affix the TAPE BASE DIAL EXP on the DIAL TOP EXPOSURE as shown in the figure.



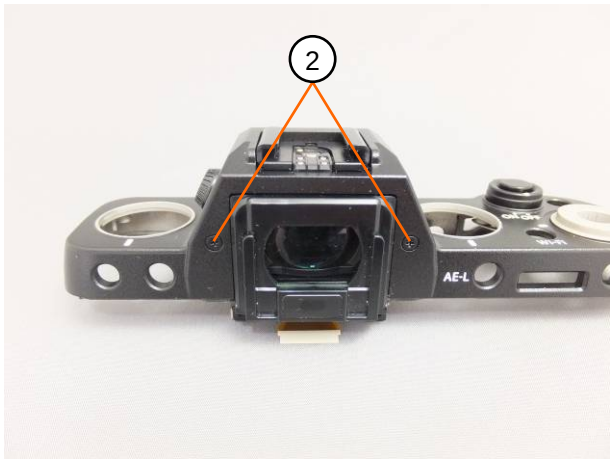
[Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-8. Removing the EVF UNIT

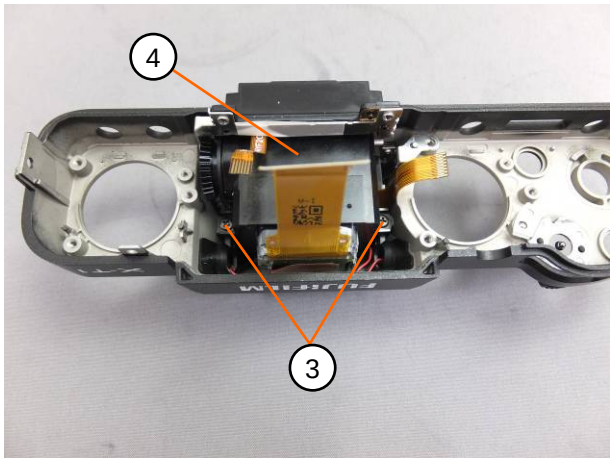
(1) Remove the CONST EYE PIECE in the direction of the arrow.



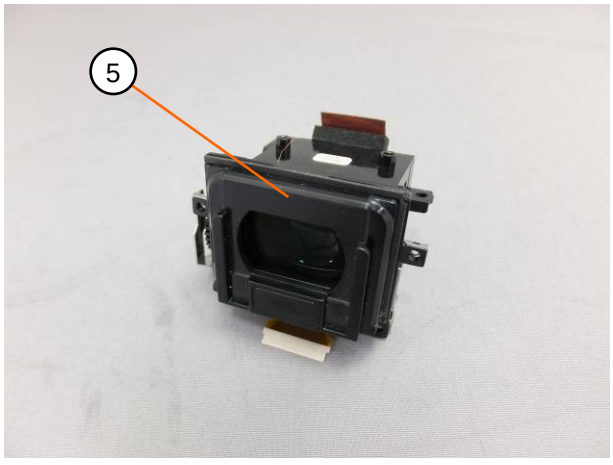
(2) Remove the 2 screws (MSEM1.7X4.5H).



(3) Remove the 2 screws (MS2M1.7X7.0).
(4) Remove the EVF UNIT.

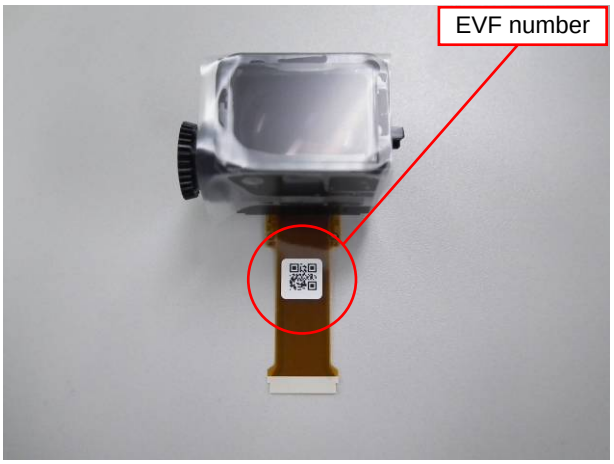


(5) Remove the CONST COVER EVF.



[Precaution when replacing EVF UNIT]

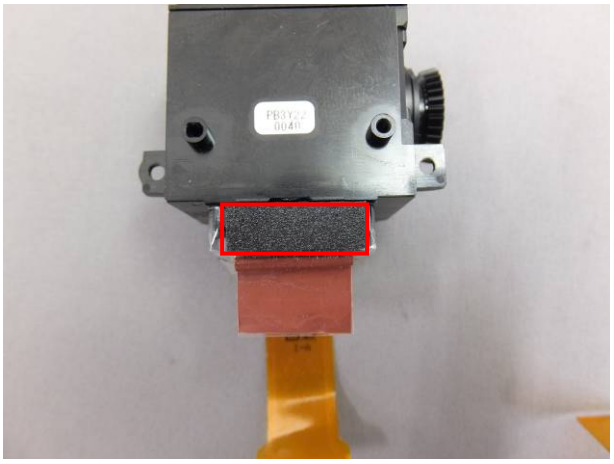
1. **The EVF number (18 digits) is required for adjustment by EVF Adjustment.**
   To obtain the EVF number, refer to [3-5-4. Obtaining the EVF number].



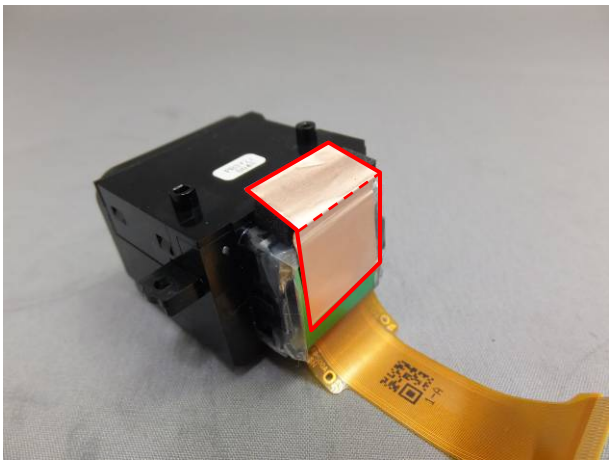
2. **CUSHION OL, SHEET CU OL and CUSHION OL 2 are not reusable.**

[Affixing position for the CUSHION OL, SHEET CU OL and CUSHION OL 2]

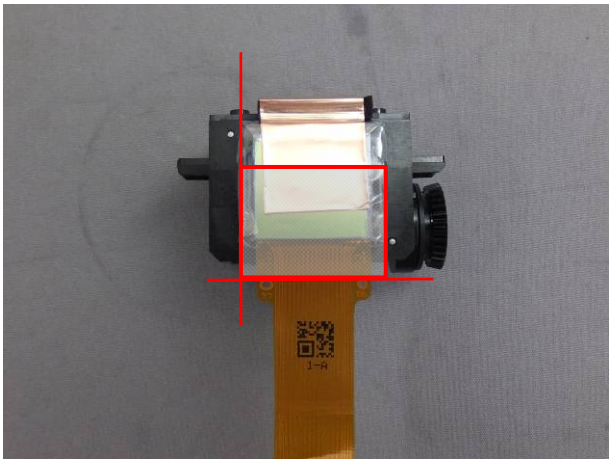
1. Affix the CUSHION OL on the EVF UNIT as shown in the figure.



2. Affix the SHEET CU OL on the EVF UNIT as shown in the figure.



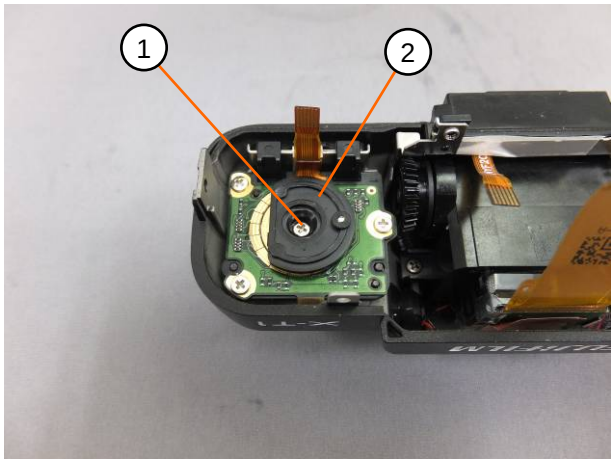
3. Affix the CUSHION OL 2 on the EVF UNIT as shown in the figure.



[Assembly]
Assemble procedure is reverse of the disassembly procedure.

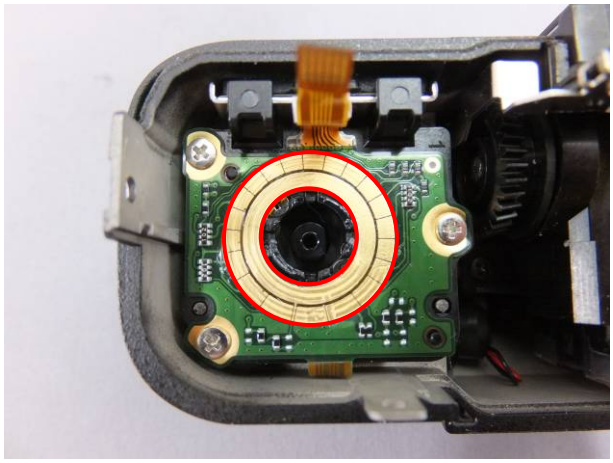
2-9. Removing the TOP L ASSY

(1) Remove the screw (BT2M1.7X5.0).
(2) Remove the HOLDER DIAL.

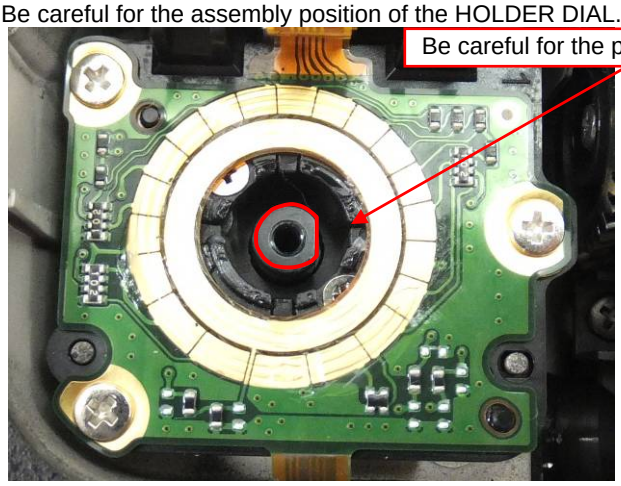


[Notes on Assembly]

1. Be sure to apply the lubricant to the TOP L ASSY.
   Lubricant: ZS00177-100 (CRS-811(GREASE))

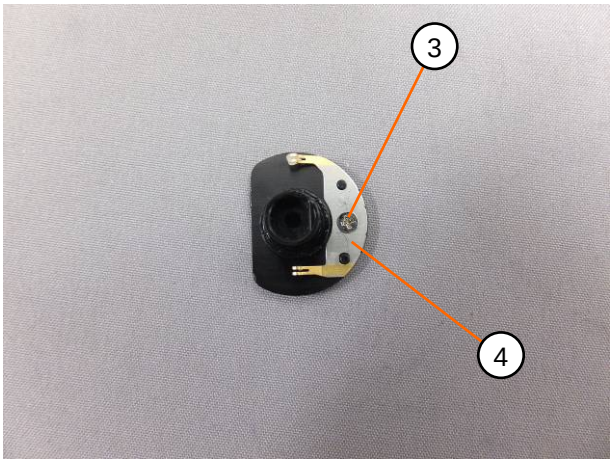


2. Be careful for the assembly position of the HOLDER DIAL.

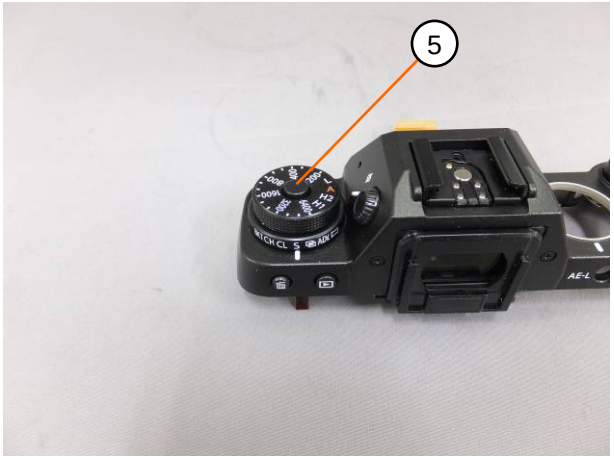




(3) Remove the screw (PS2AM1.4X2.0).
(4) Remove the TERMINAL DIAL SPE.



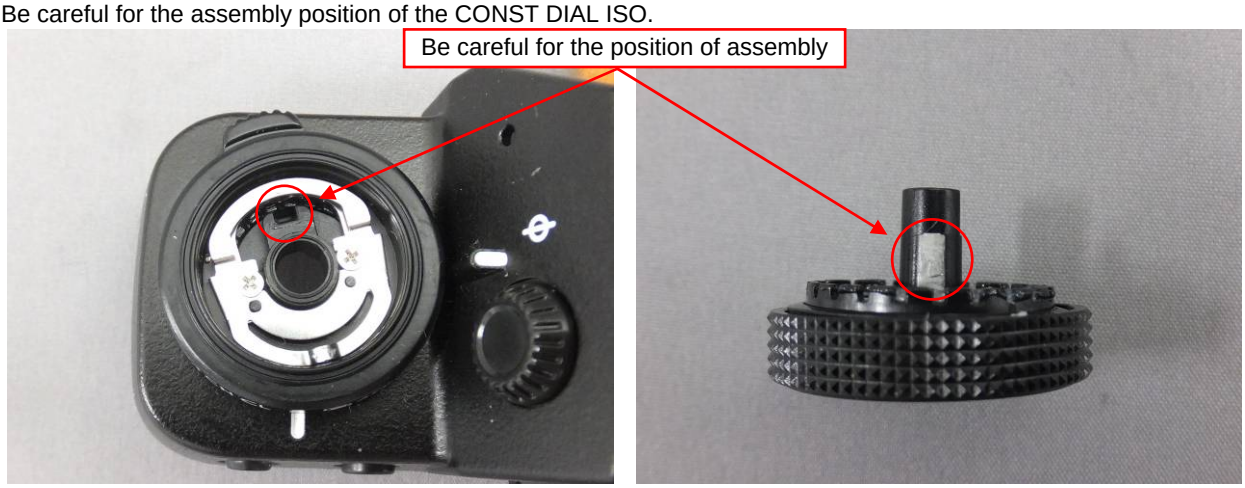
(5) Remove the CONST DIAL ISO.



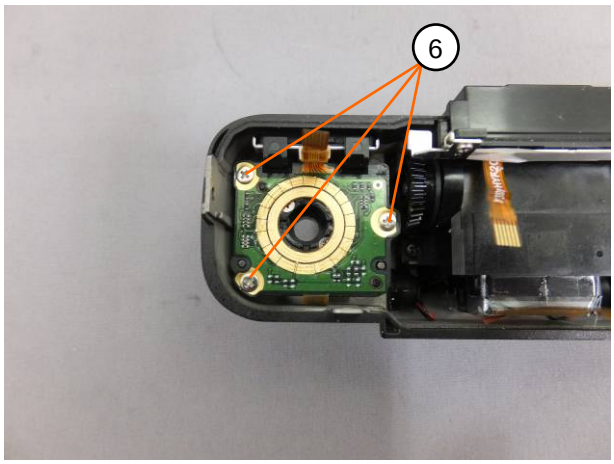
[Notes on Assembly]
1. Be sure to apply the lubricant to the CONST DIAL ISO.
Lubricant: ZS00178-100 (LEN-317FR(GREASE))



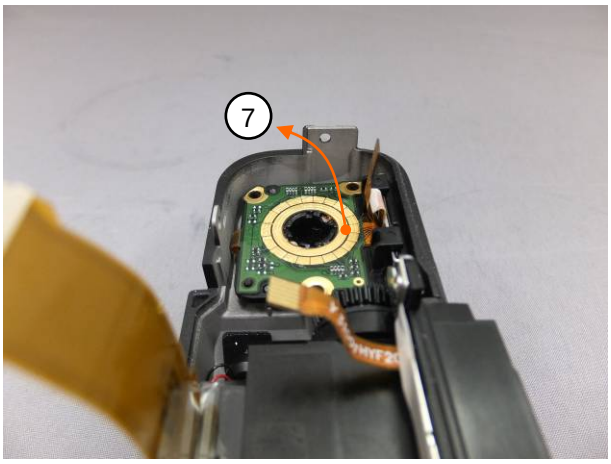
2. Be careful for the assembly position of the CONST DIAL ISO.



(6) Remove the 3 screws (MS2M1.7X4.0).

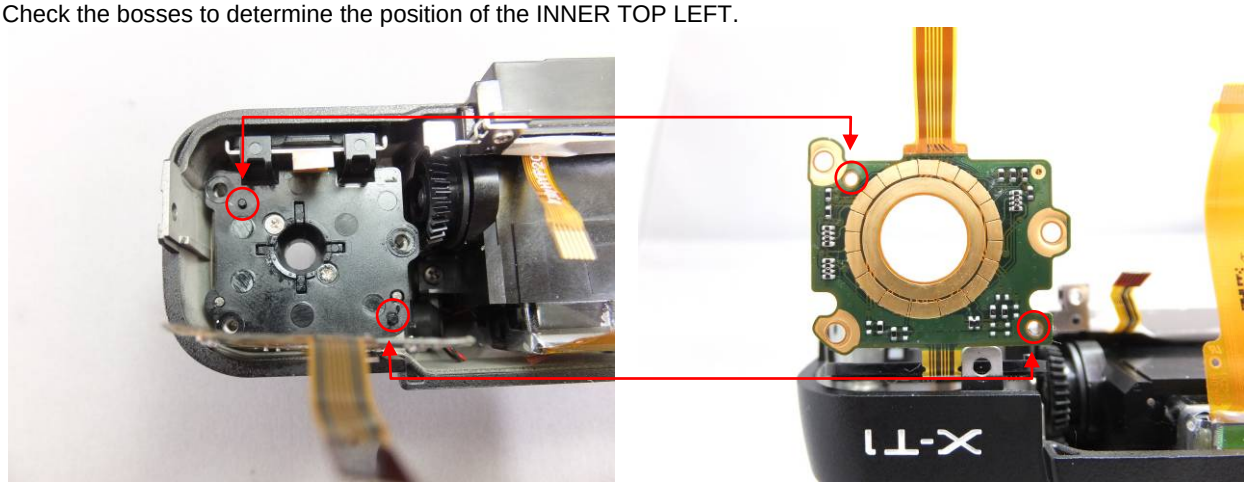


(7) Peel off the TOP L ASSY in the direction of the arrow.



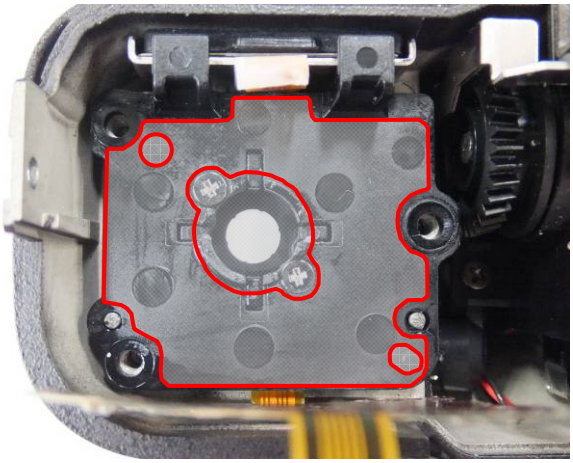
[Notes on Assembly]

1. Check the bosses to determine the position of the INNER TOP LEFT.

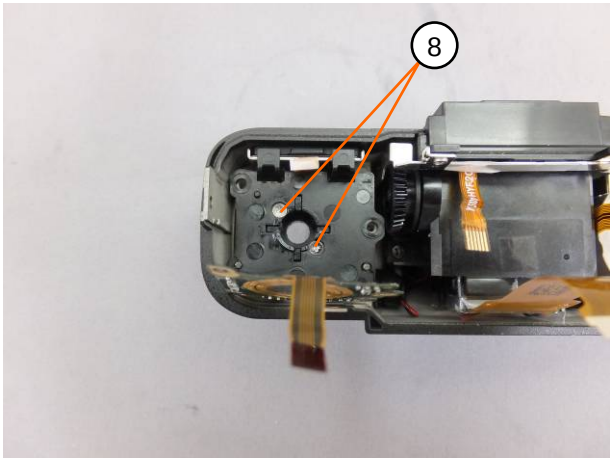


2. **TAPE FPC TOP LEFT 2 is not reusable.**

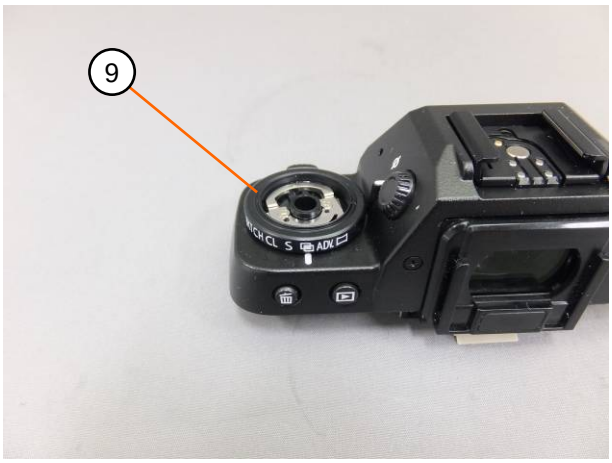
[Affixing position for the TAPE FPC TOP LEFT 2]
Affix the TAPE FPC TOP LEFT 2 on the INNER TOP LEFT as shown in the figure.



(8) Remove the 2 screws (PS2AM1.4X4.0).



(9) Remove the DIAL DB L ISO.



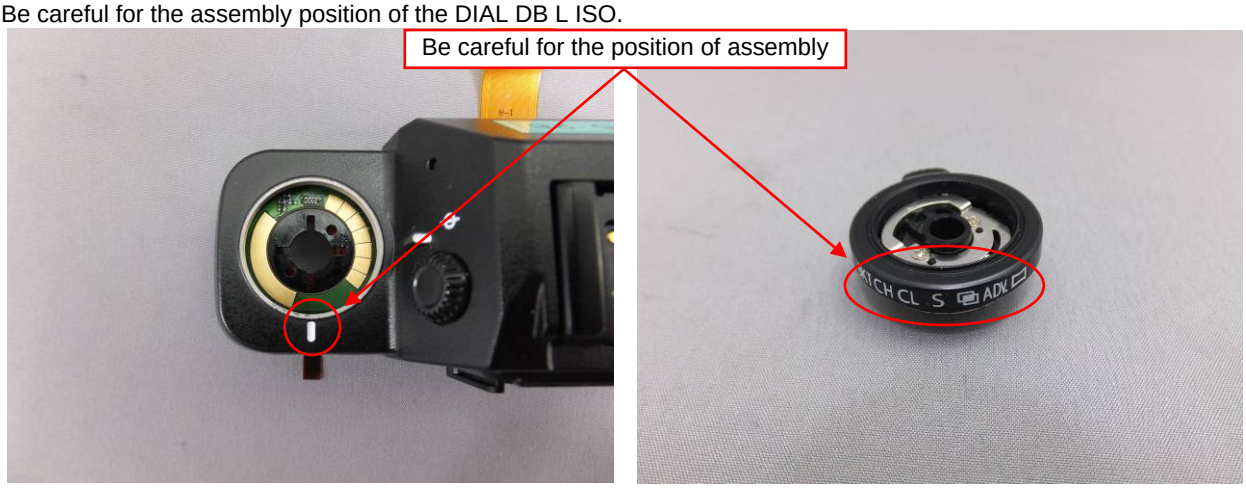
[Notes on Assembly]

1. Be sure to apply the lubricant to the DIAL DB L ISO.
   Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))

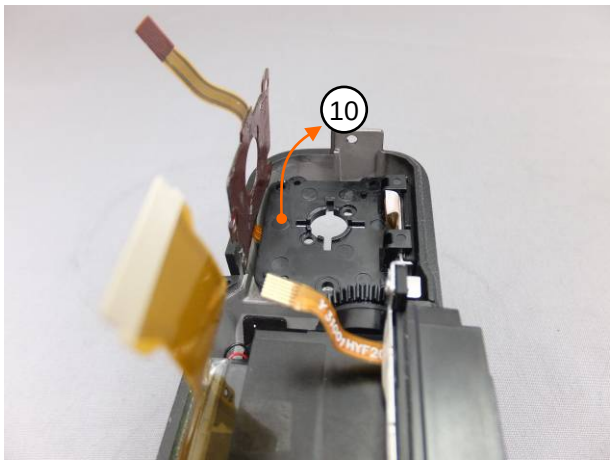




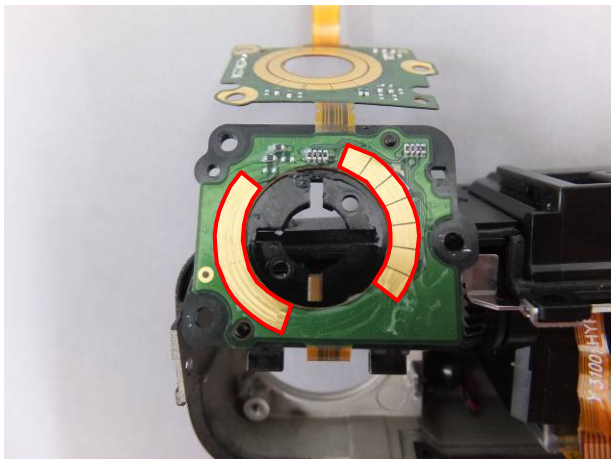
2. Be careful for the assembly position of the DIAL DB L ISO.



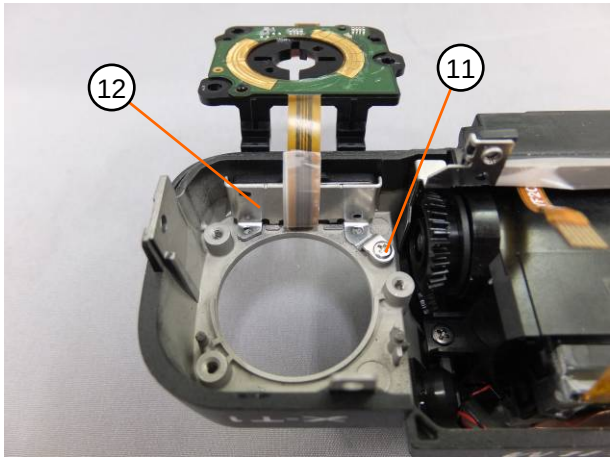
(10) Raise the INNER TOP LEFT in the direction of the arrow.



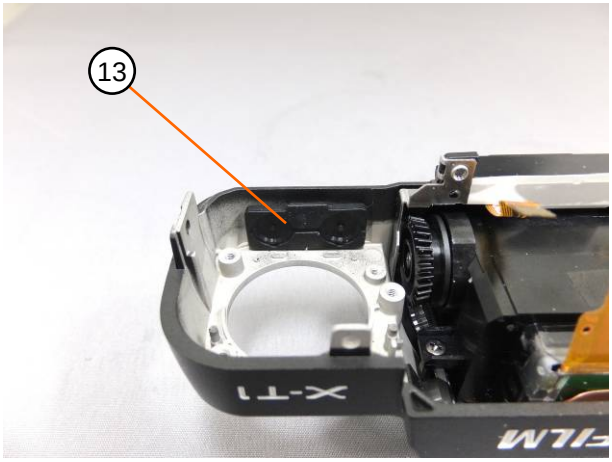
[Notes on Assembly]
Be sure to apply the lubricant to the TOP L ASSY.
Lubricant: ZS00177-100 (CRS-811(GREASE))



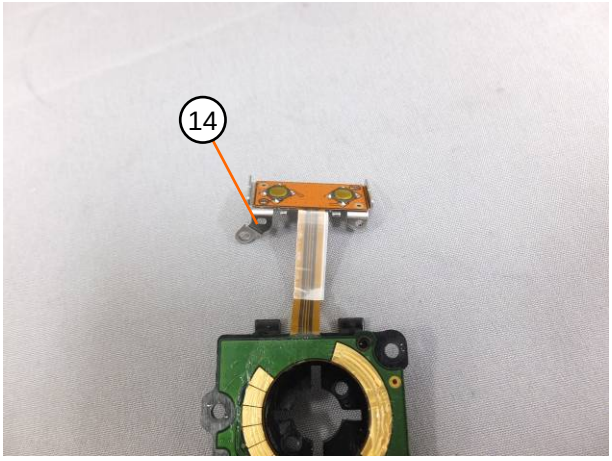
(11) Remove the 2 screws (MS2M1.4X2.0).
(12) Remove the PLATE HOLDER DELETE.



(13) Remove the RUBBER BUTTON 3.

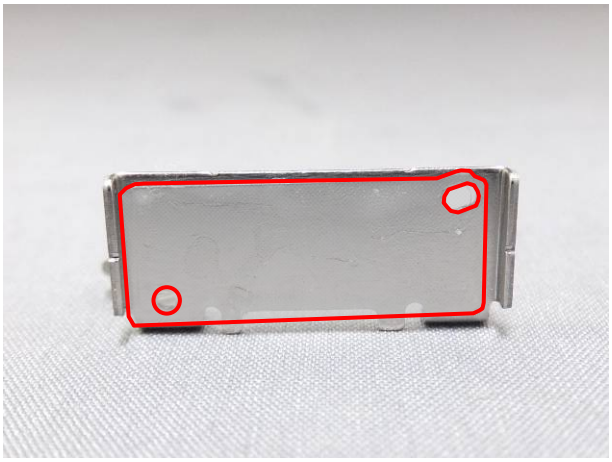


(14) Remove the PLATE HOLDER DELETE.

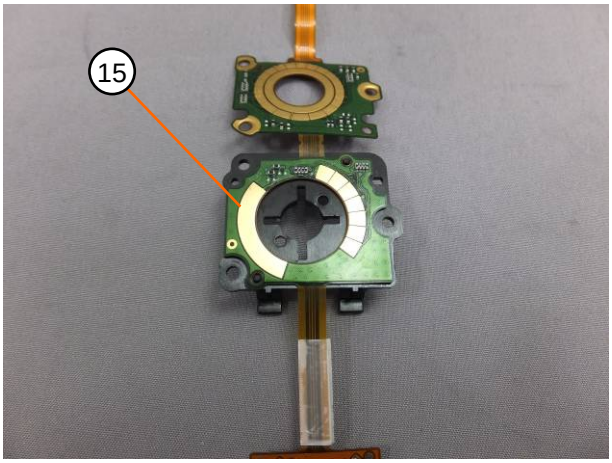


[Notes on Assembly]
TAPE FPC TOP LEFT 3 is not reusable.

[Affixing position for the TAPE FPC TOP LEFT 3]
Affix the TAPE FPC TOP LEFT 3 on the PLATE HOLDER DELETE as shown in the figure.

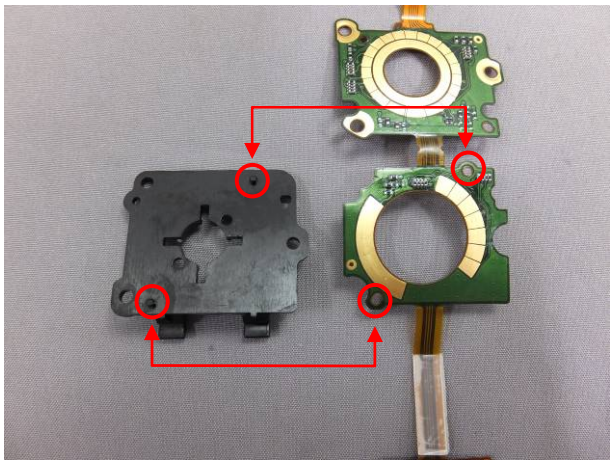


(15) Peel off the TOP L ASSY.



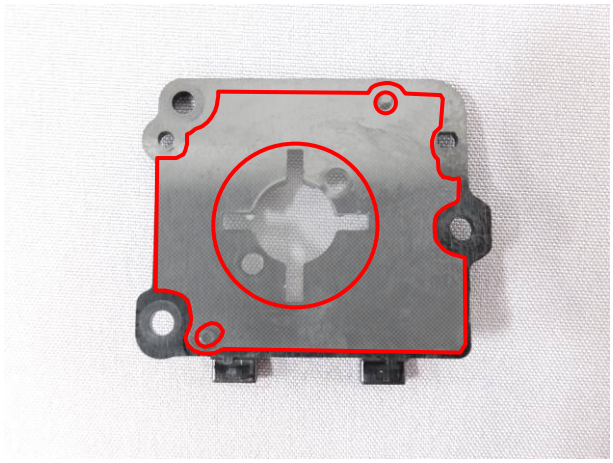
[Notes on Assembly]

1. Check the bosses to determine the position of the INNER TOP LEFT.



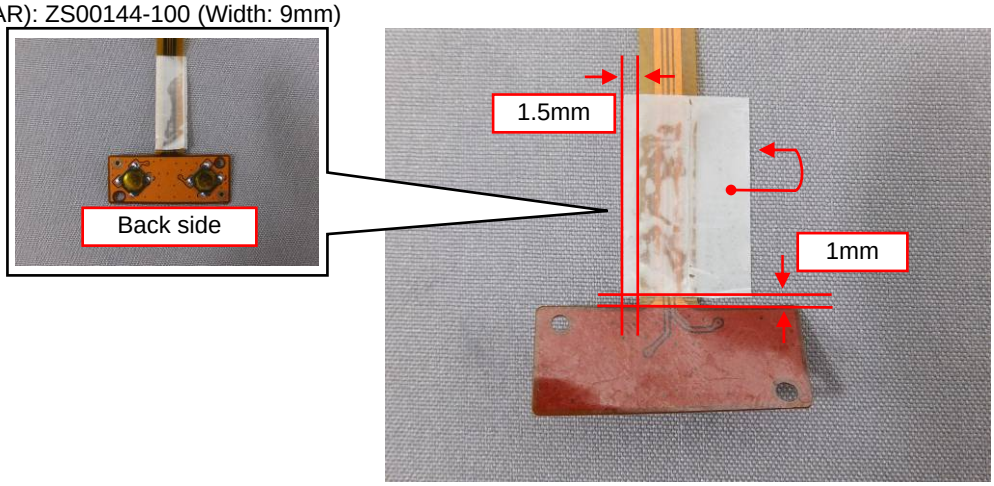
2. **TAPE FPC TOP LEFT 1 is not reusable.**

[Affixing position for the TAPE FPC TOP LEFT 1]
Affix the TAPE FPC TOP LEFT 1 on the INNER TOP LEFT as shown in the figure.



[Precaution when replacing TOP L ASSY]
UL TAPE (9X13mm) is not reusable.

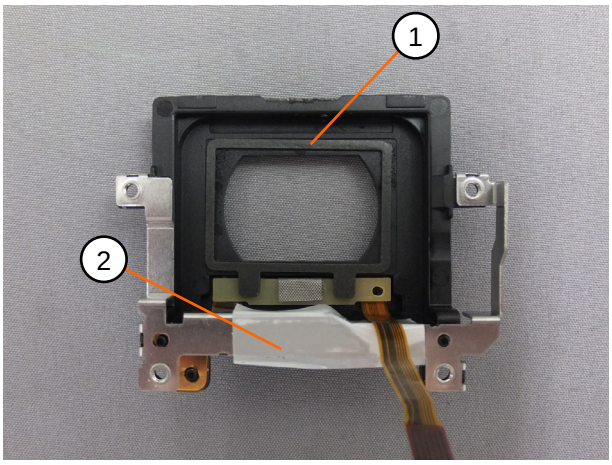
[Affixing position for the UL TAPE (9X13mm)]
Affix the UL TAPE (9X13mm) on the TOP L ASSY as shown in the figure below.
UL TAPE (CLEAR): ZS00144-100 (Width: 9mm)



[Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-10. Removing the EYES FPC ASSY

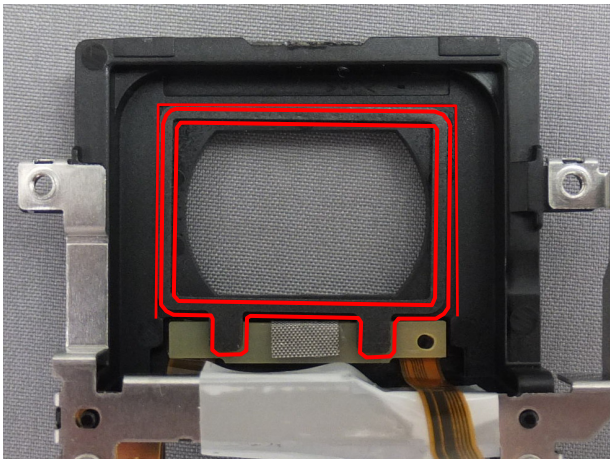
(1) Peel off the CUSHION EVF.
(2) Peel off the UL TAPE (9X20mm).



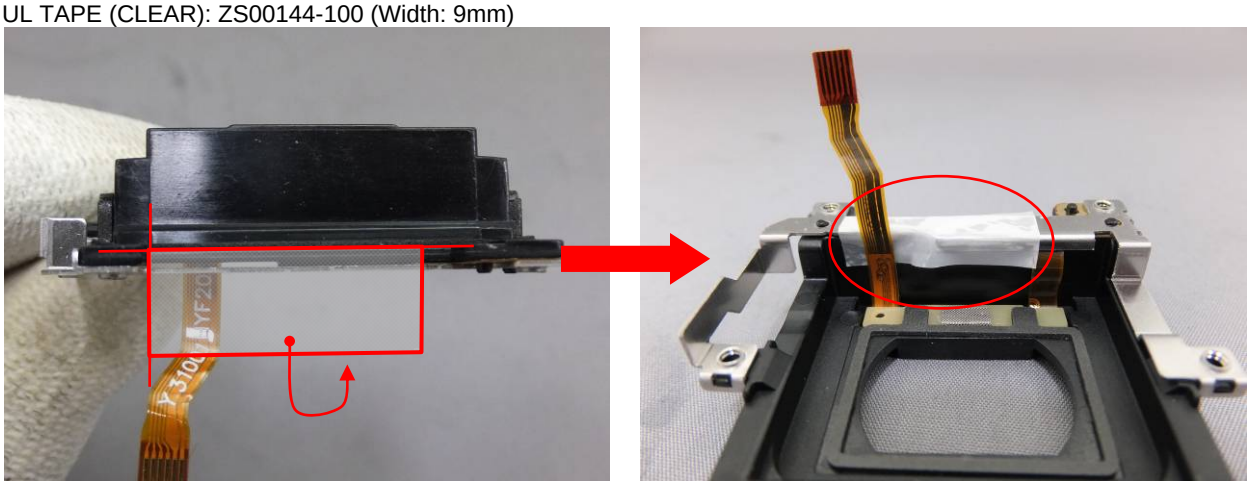
[Notes on Assembly]
CUSHION EVF and UL TAPE (9X20mm) are not reusable.

[Affixing position for the CUSHION EVF and UL TAPE (9X20mm)]

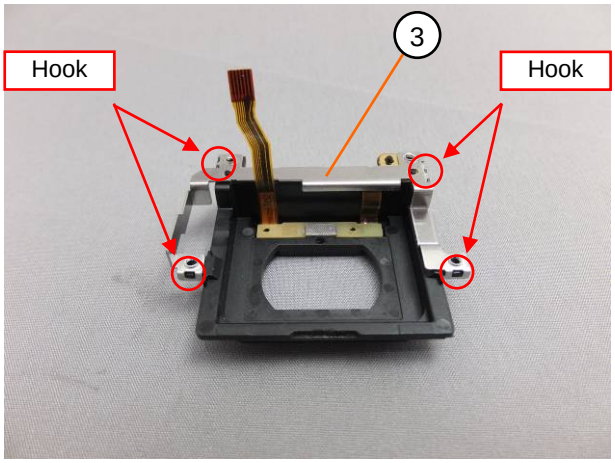
1. Affix the CUSHION EVF on the COVER EVF as shown in the figure.



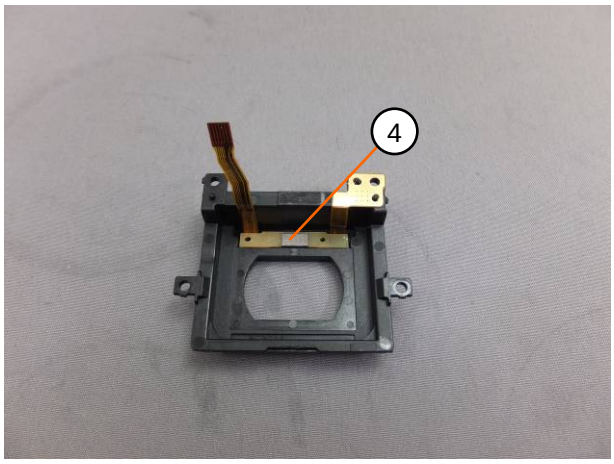
2. Affix the UL TAPE (9X20mm) on the COVER EVF as shown in the figure below.
   UL TAPE (CLEAR): ZS00144-100 (Width: 9mm)



(3) Remove the Hook, and remove the PLATE COVER EVF.

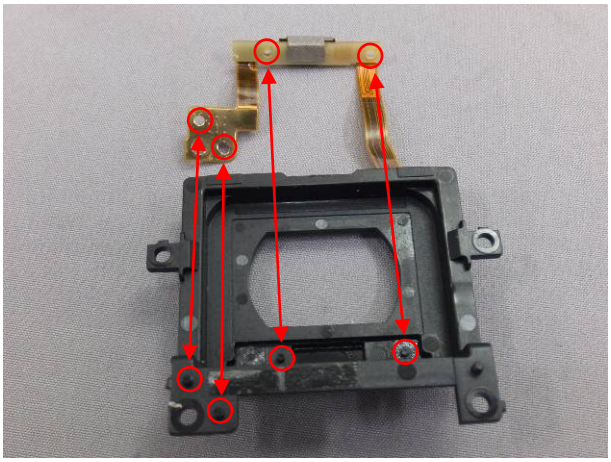


(4) Remove the EYES FPC ASSY.



[Notes on Assembly]

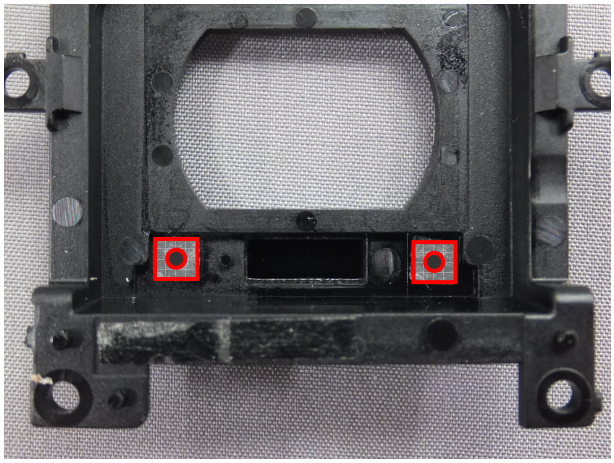
1. Check the bosses to determine the position of the COVER EVF.



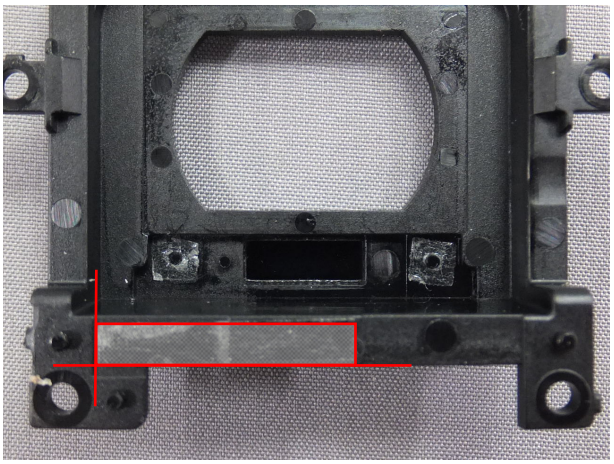
2. **TAPE FPC EYE and ADHESIVE TAPE (2.5X14mm) are not reusable.**

[Affixing position for the TAPE FPC EYE and ADHESIVE TAPE (2.5X14mm)]

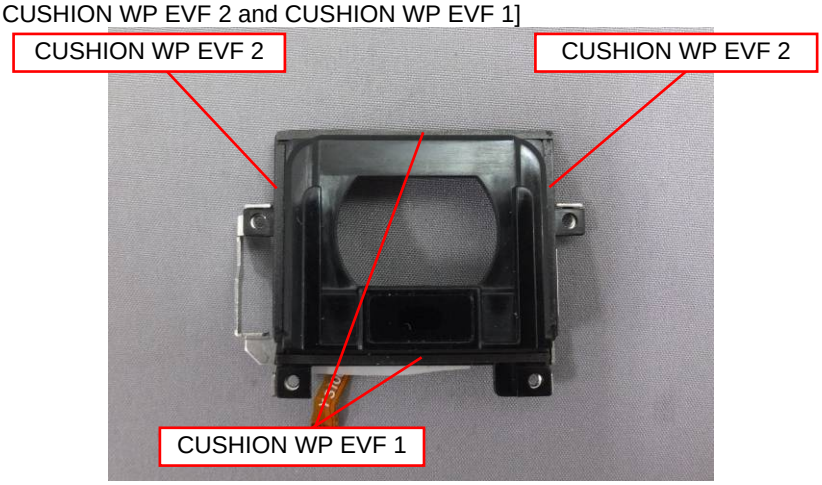
1. Affix the TAPE FPC EYE on the COVER EVF as shown in the figure.



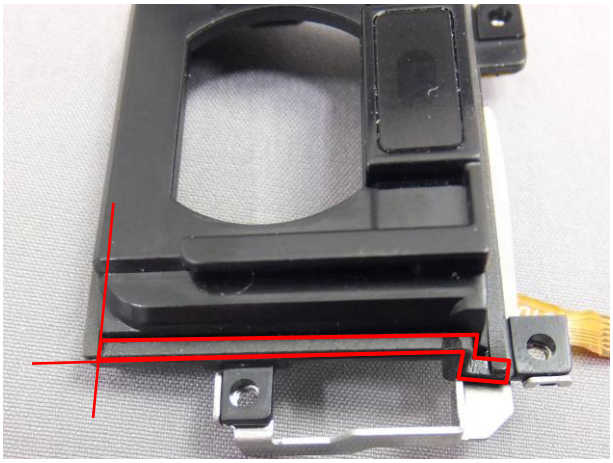
2. Affix the ADHESIVE TAPE (2.5X14mm) on the COVER EVF as shown in the figure.
   ADHESIVE TAPE: ZS00176-100 (DIC#815AT (ADHESIVE TAPE))

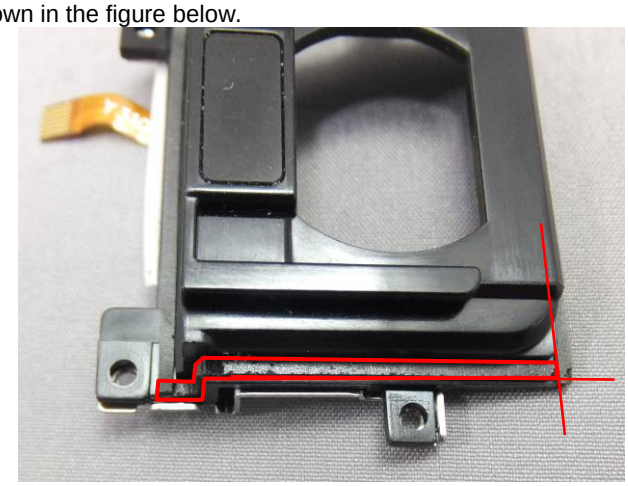


[Affixing position for the CUSHION WP EVF 2 and CUSHION WP EVF 1]

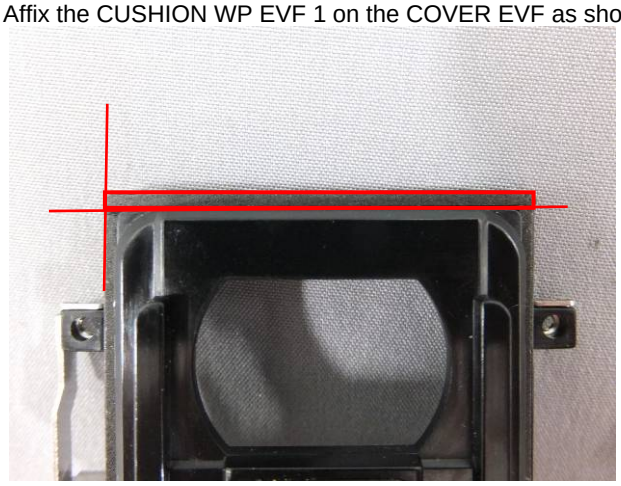


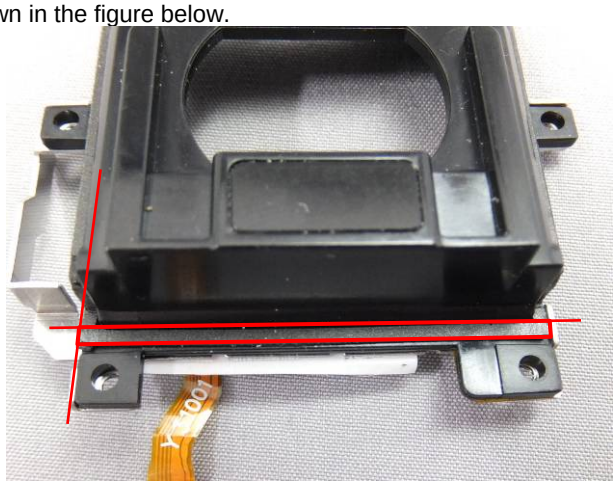
1. Affix the CUSHION WP EVF 2 on the COVER EVF as shown in the figure below.





2. Affix the CUSHION WP EVF 1 on the COVER EVF as shown in the figure below.

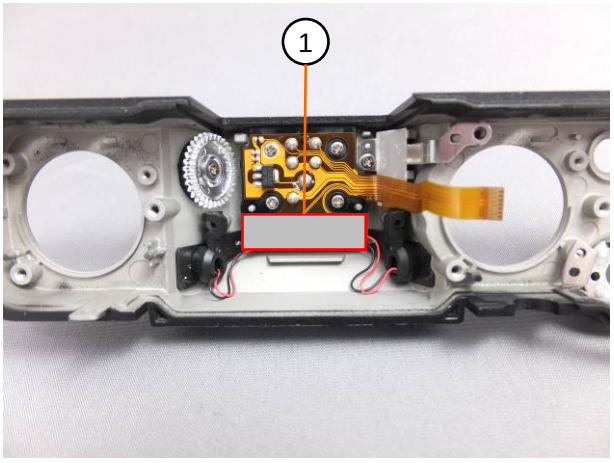




[Assembly]
Assemble procedure is reverse of the disassembly procedure.

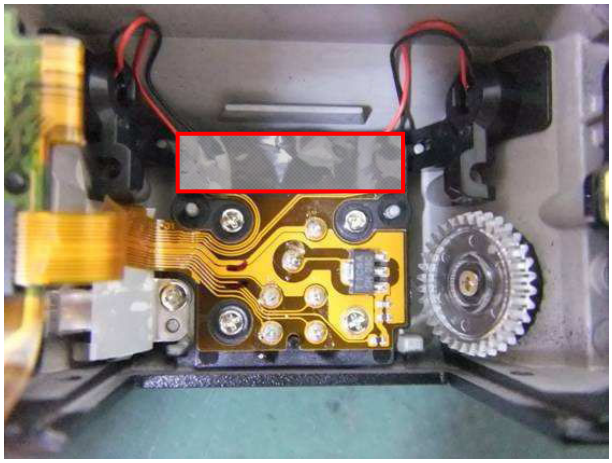
2-11. Removing the CONST ASSY CASE TOP

(1) Peel off the UL TAPE (6X25mm).

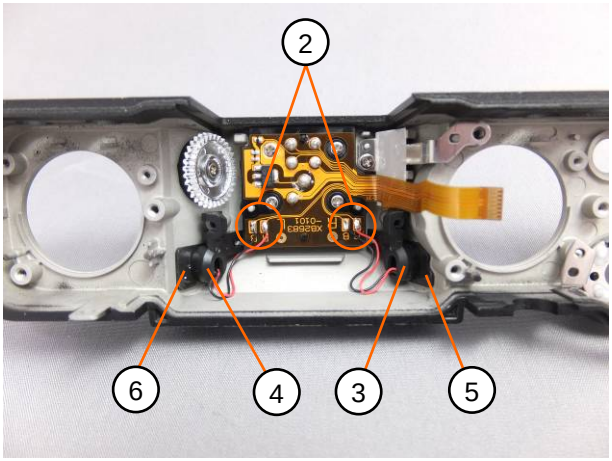


[Notes on Assembly]
UL TAPE (6X25mm) is not reusable.

[Affixing position for the UL TAPE (6X25mm)]
Affix the UL TAPE (6X25mm) on the CONST SHOE as shown in the figure.
UL TAPE (BLACK): ZS00143-100 (Width: 19mm)

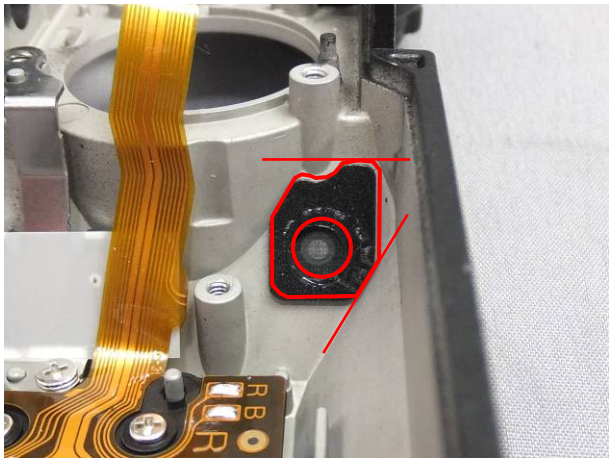


(2) Remove 4 solders.
(3) Remove the HOLDER MIC R.
(4) Remove the HOLDER MIC L.
(5) Peel off the CUSHION MIC R.
(6) Peel off the CUSHION MIC L.

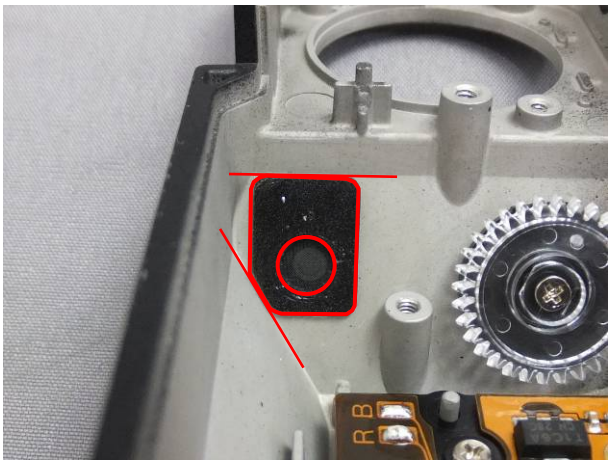


[Notes on Assembly]
CUSHION MIC R and CUSHION MIC L is not reusable.

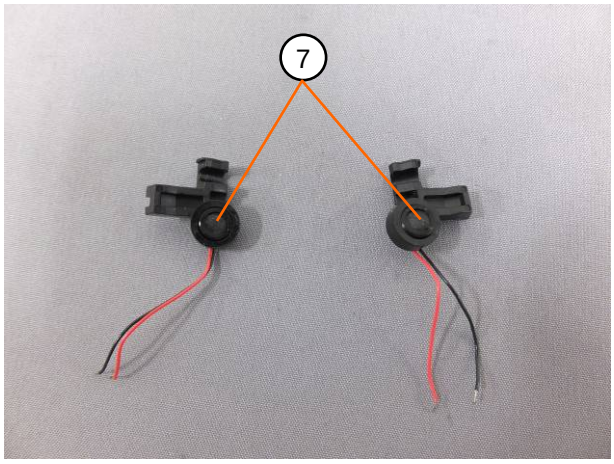
[Affixing position for the CUSHION MIC R and CUSHION MIC L]
1. Affix the CUSHION MIC R on the CONST TOP as shown in the figure.



2. Affix the CUSHION MIC L on the CONST TOP as shown in the figure.



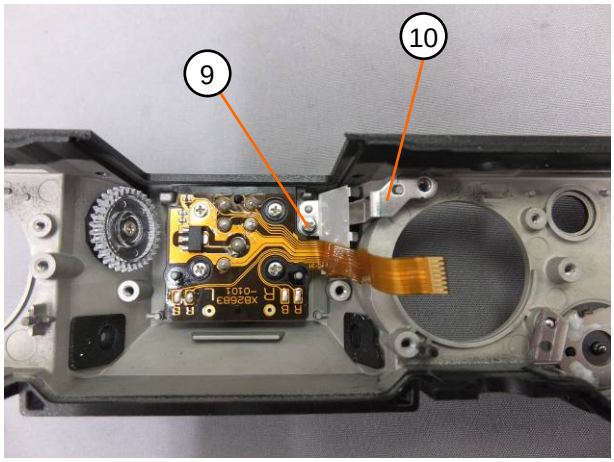
(7) Remove the MIC.



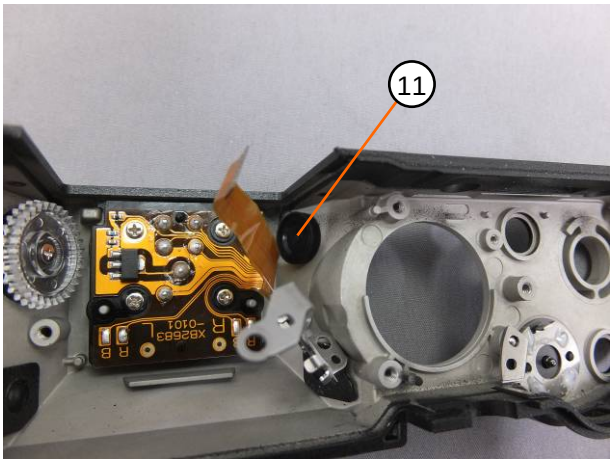
(8) Remove the COVER SHOE in the direction of the arrow.



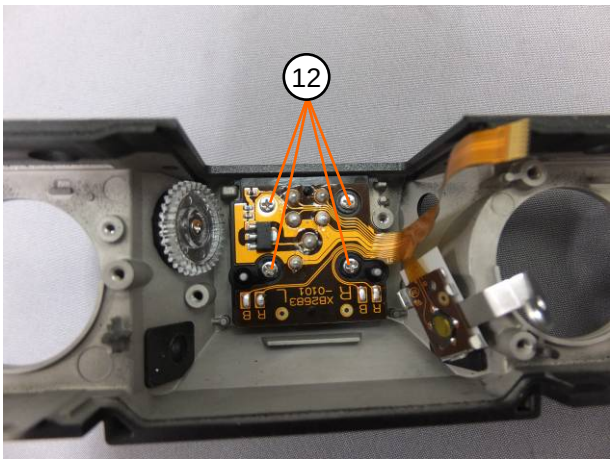
(9) Remove the screw (MS2M1.7X3.0).
(10) Remove the PLATE HOLDER VIEW.



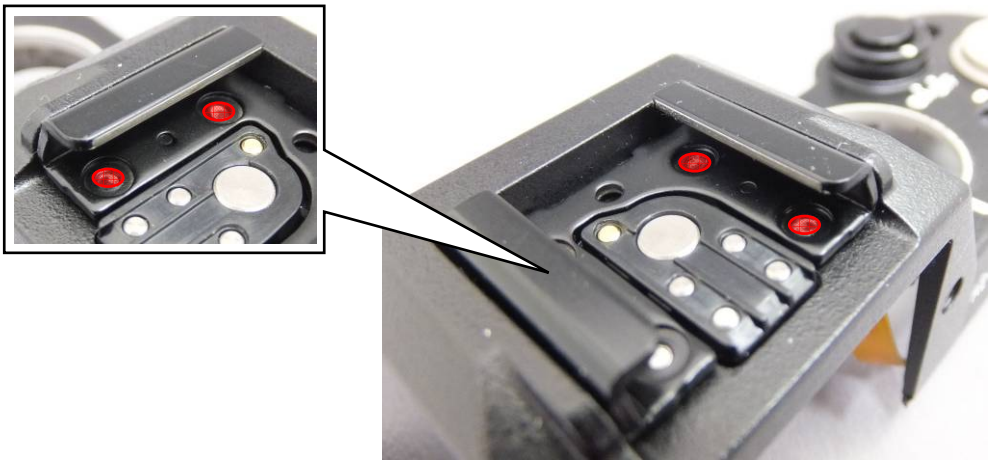
(11) Remove the BUTTON VIEW MODE.



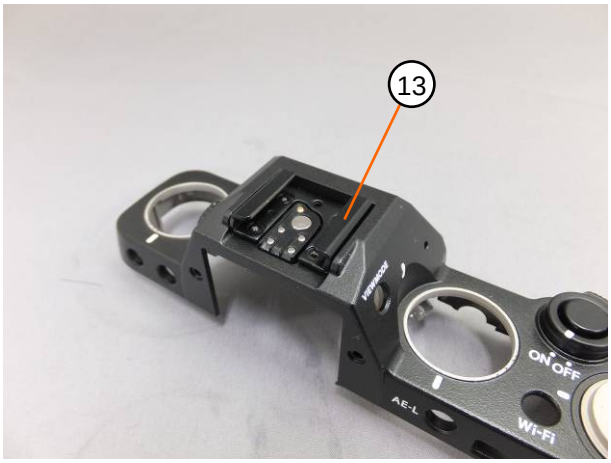
(12) Remove the 4 screws (MS1M1.7X3.5).



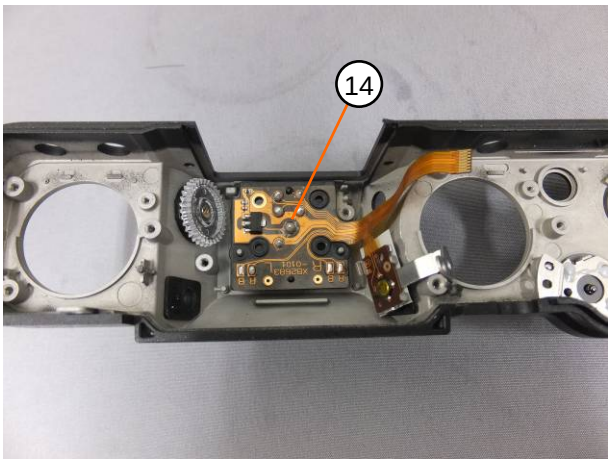
[Notes on Assembly]
When tightening the screw removed in the step (11), apply the HENKEL LOCTITE 290 to the screw.
HENKEL LOCTITE 290: ZS00181-100



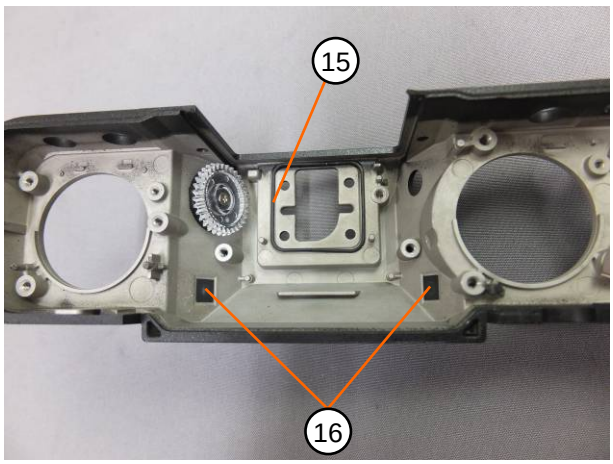
(13) Remove the SHOE.



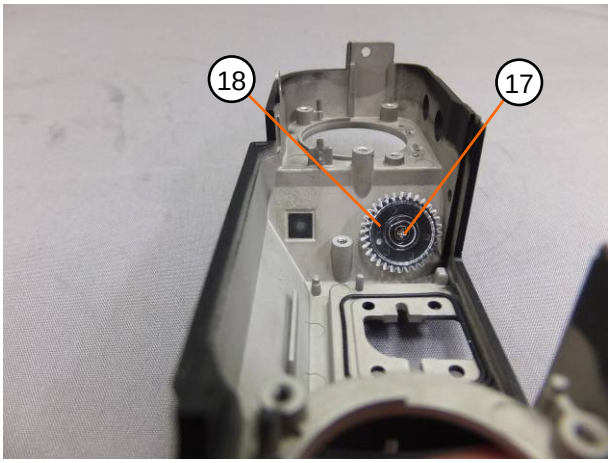
(14) Remove the CONST SHOE.



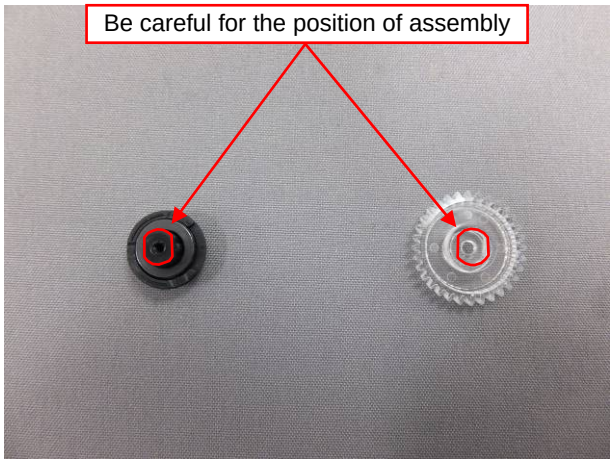
(15) Remove the O RING D.
(16) Peel off the SHEET MIC.



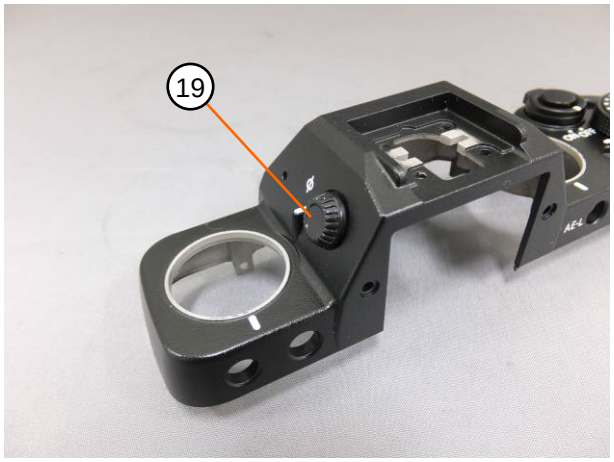
(17) Remove the screw (PS2AM1.4X4.0).
(18) Remove the DIAL VIEW ADJ GEAR.



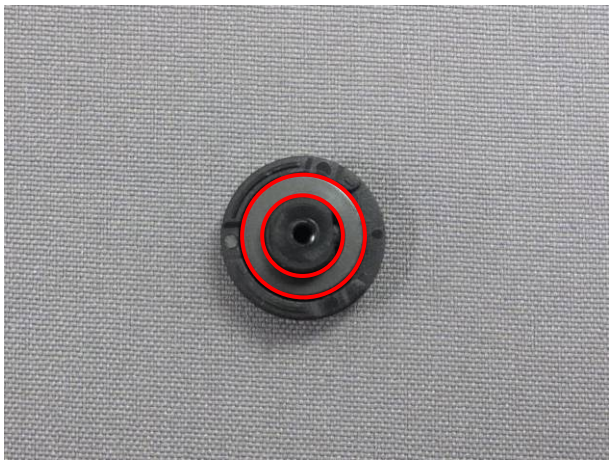
[Notes on Assembly]
Be careful for the assembly position of the DIAL VIEW ADJ GEAR.



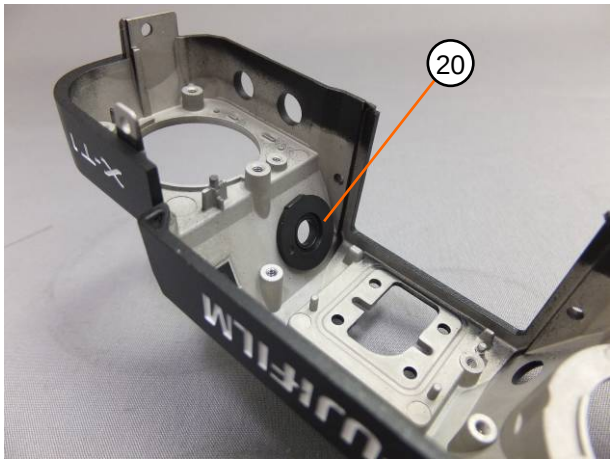
(19) Remove the DIAL VIEW ADJ.



[Affixing position for the SHEET DIAL VIEW ADJ]
Affix the SHEET DIAL VIEW ADJ on the DIAL VIEW ADJ as shown in the figure.



(20) Remove the BUSH DIAL VIEW ADJ.



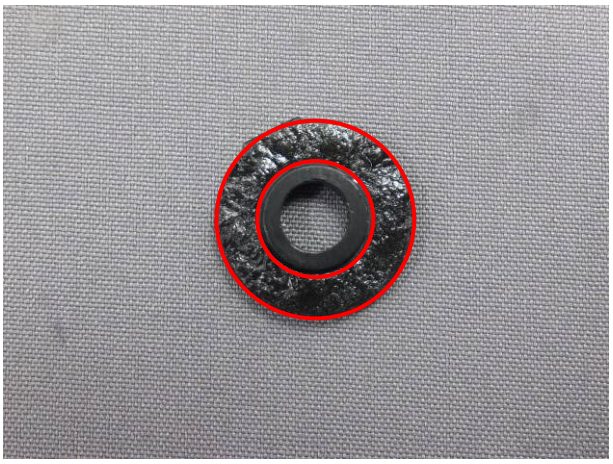
[Notes on Assembly]

1. Be sure to apply the lubricant to the CONST ASSY CASE TOP.
   Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))



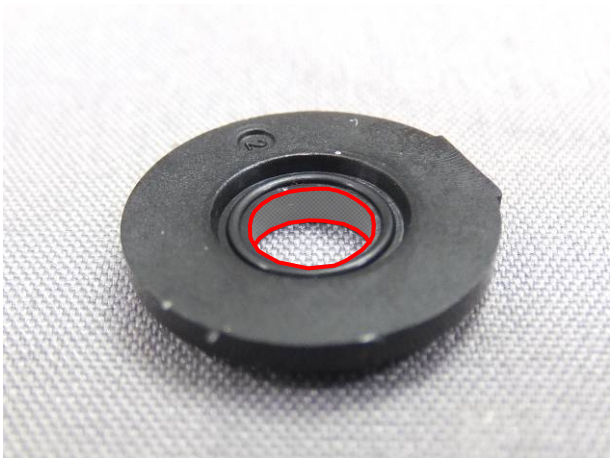
2. **TAPE BUSH DIAL is not reusable.**

[Affixing position for the TAPE BUSH DIAL]
Affix the TAPE BUSH DIAL on the BUSH DIAL VIEW ADJ as shown in the figure.



3. Be sure to apply the lubricant to the BUSH DIAL VIEW ADJ.
   Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))





[Precaution when replacing CONST ASSY CASE TOP]
SHEET MIC is not reusable.

[Affixing position for the SHEET MIC]
Affix the SHEET MIC on the CONST ASSY CASE TOP as shown in the figure below.

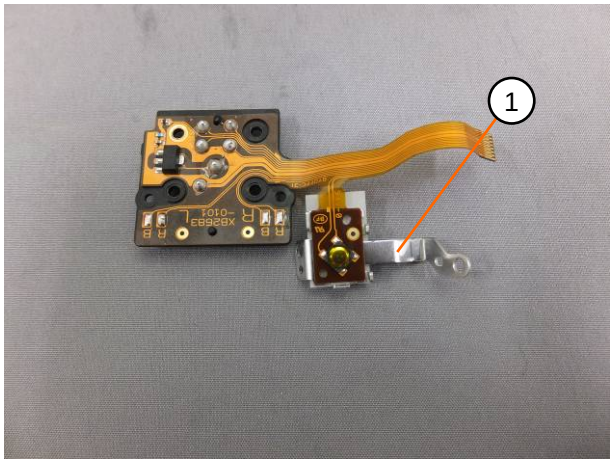




[Assembly]
Assemble procedure is reverse of the disassembly procedure.

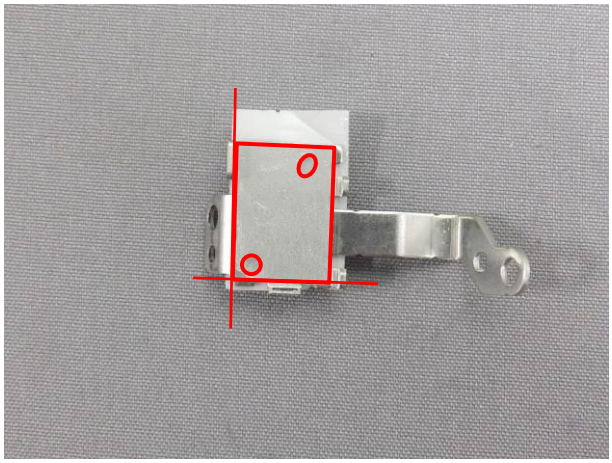
2-11-1. Disassembling the CONST SHOE

(1) Remove the PLATE HOLDER VIEW.

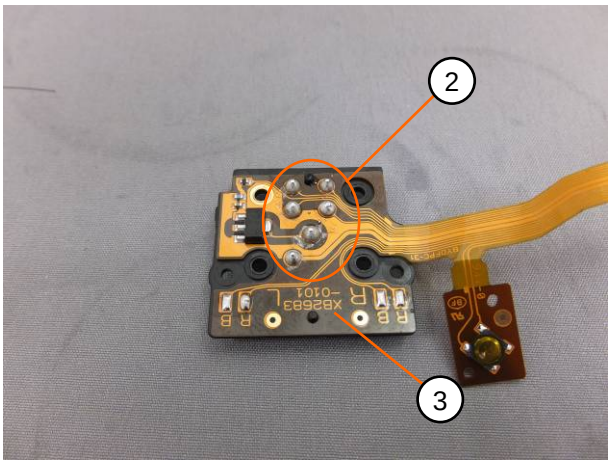


[Notes on Assembly]
TAPE FPC TOP C 1 is not reusable.

[Affixing position for the TAPE FPC TOP C 1]
Affix the TAPE FPC TOP C 1 on the PLATE HOLDER VIEW as shown in the figure.

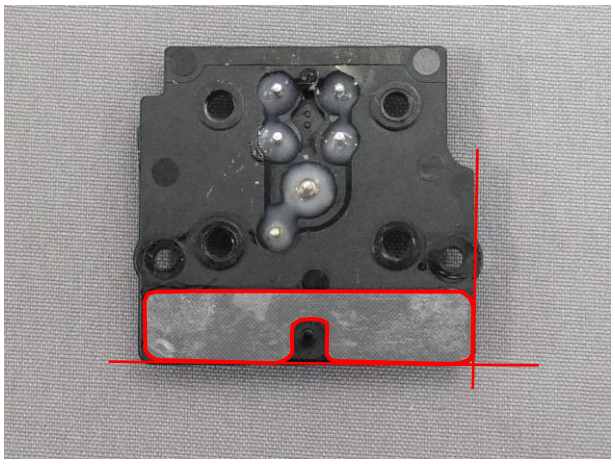


(2) Remove 6 solders.
(3) Peel off the TOP C ASSY.

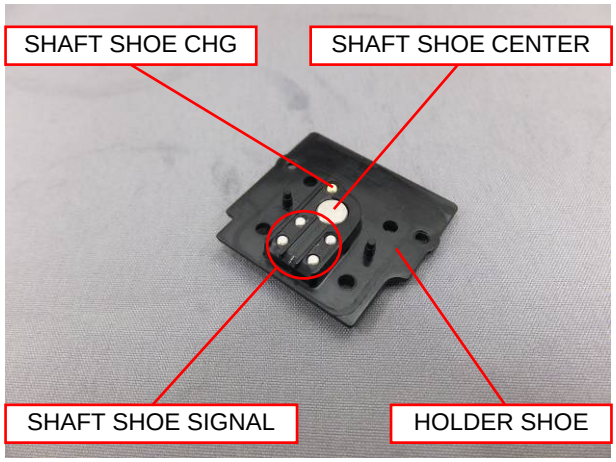


[Notes on Assembly]
TAPE FPC TOP C 2 is not reusable.

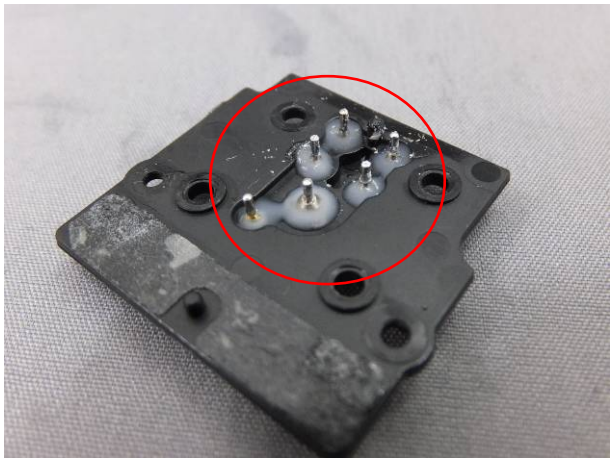
[Affixing position for the TAPE FPC TOP C 2]
Affix the TAPE FPC TOP C 2 on the HOLDER SHOE as shown in the figure.



[Precaution when replacing HOLDER SHOE]
1. **When replacing the HOLDER SHOE, SHAFT SHOE CENTER, SHAFT SHOE SIGNAL and SHAFT SHOE CHG have to be replaced at same time.**



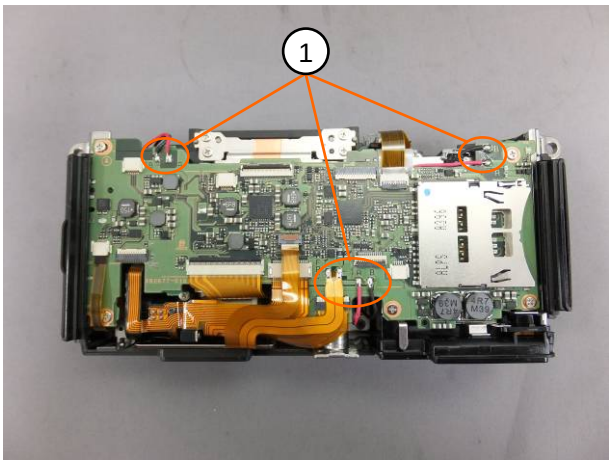
2. Apply the UV adhesives to the SHAFT SHOE CENTER, SHAFT SHOE SIGNAL and SHAFT SHOE CHG as shown in the figure.
Refer to “2-22. Application of UV adhesive”.



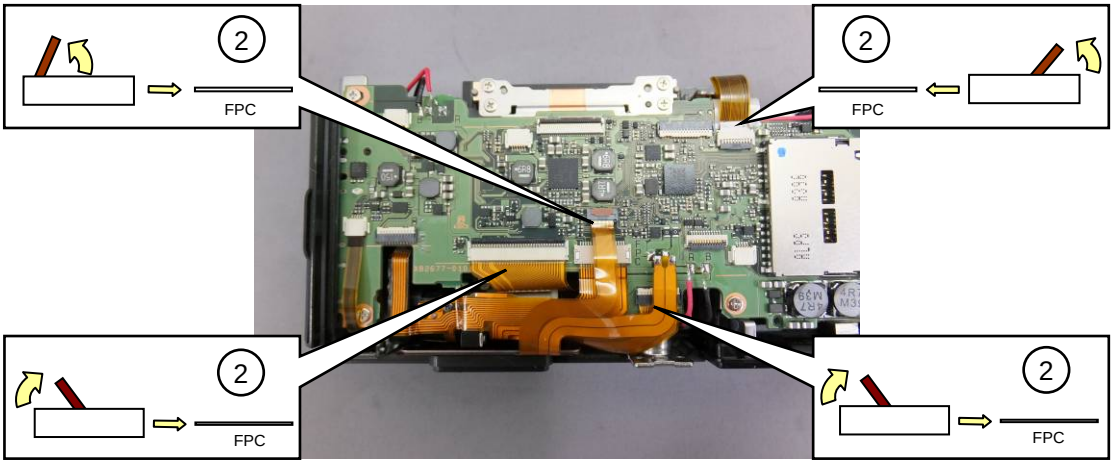
[Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-12. Removing the MAIN ASSY

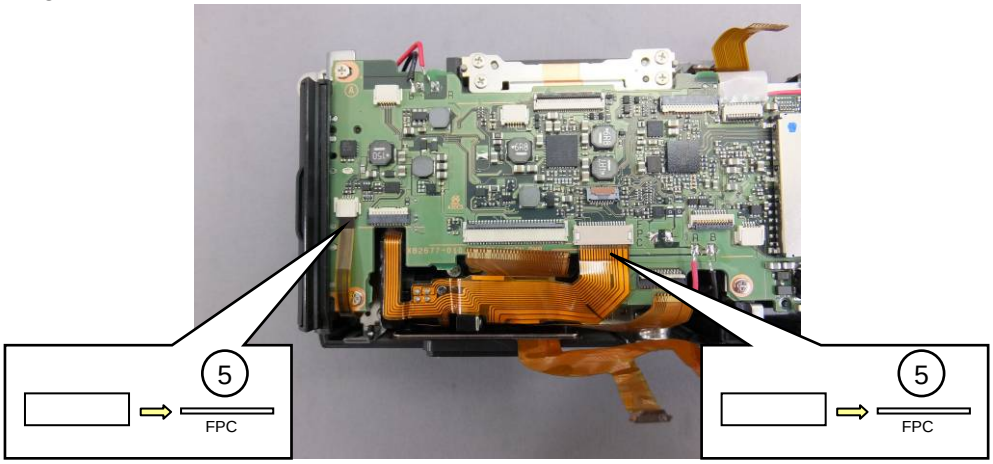
(1) Remove 8 solders.



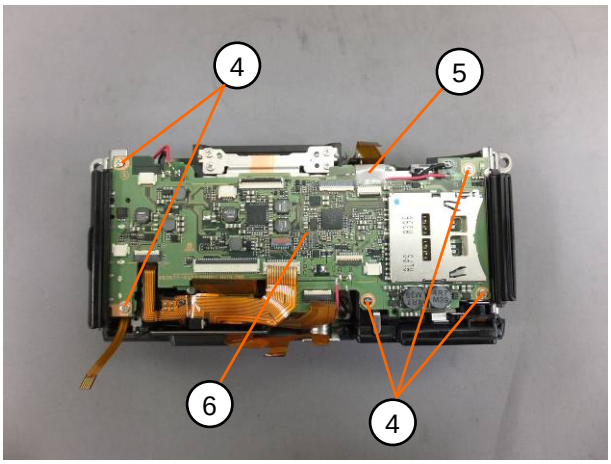
(2) Unlock the connector and remove the FPC.



(3) Remove the FPC.

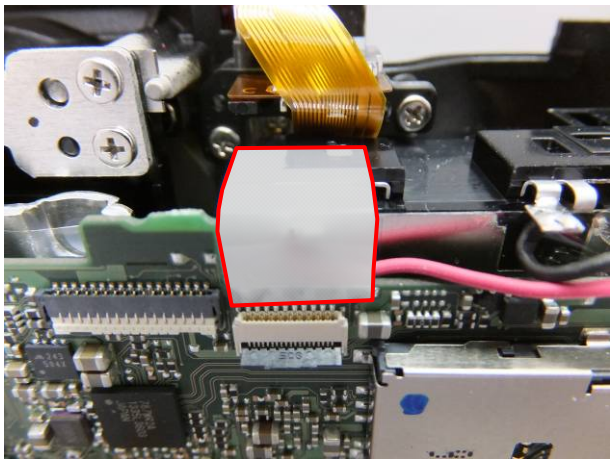


(4) Remove the 5 screws (MS2M1.7X3.0).
(5) Peel off the UL TAPE (9X15mm).
(6) Remove the MAIN ASSY.

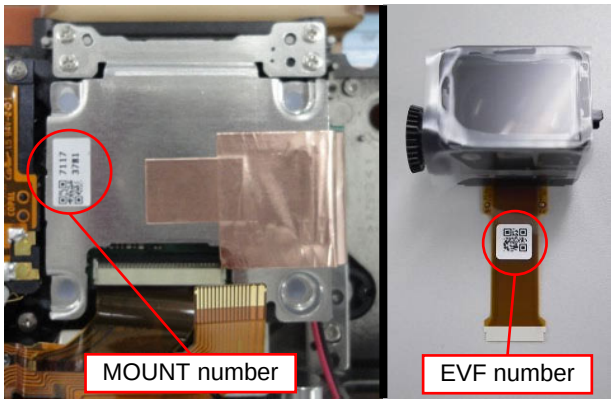


[Notes on Assembly]
UL TAPE (9X15mm) is not reusable.

[Affixing position for the UL TAPE (9X15mm)]
~~Affix the UL TAPE (9X15mm) on the MAIN ASSY as shown in the figure.~~
☆ Affix the UL TAPE (9X15mm) doubly on the MAIN ASSY as shown.
UL TAPE (CLEAR): ZS00144-100 (Width: 9mm)

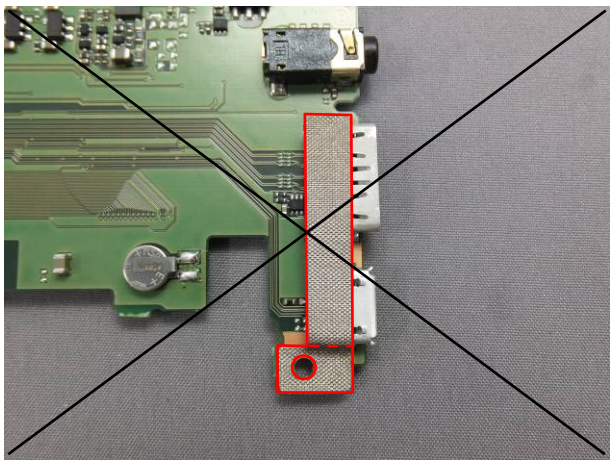


[Precaution when replacing MAIN ASSY]
1. The MOUNT data (8 digits) and EVF number (18 digits) is required for adjustment by Mount Data Write and EVF Adjustment.
To obtain the MOUNT data and EVF number, refer to [3-5. Preparation for adjustment].



☆ ~~**2. SHEET EMC MAIN 1 is not reusable.**~~

☆ ~~[Affixing position for the SHEET EMC MAIN 1]~~
~~Affix the SHEET EMC MAIN 1 on the MAIN ASSY as shown in the figure.~~

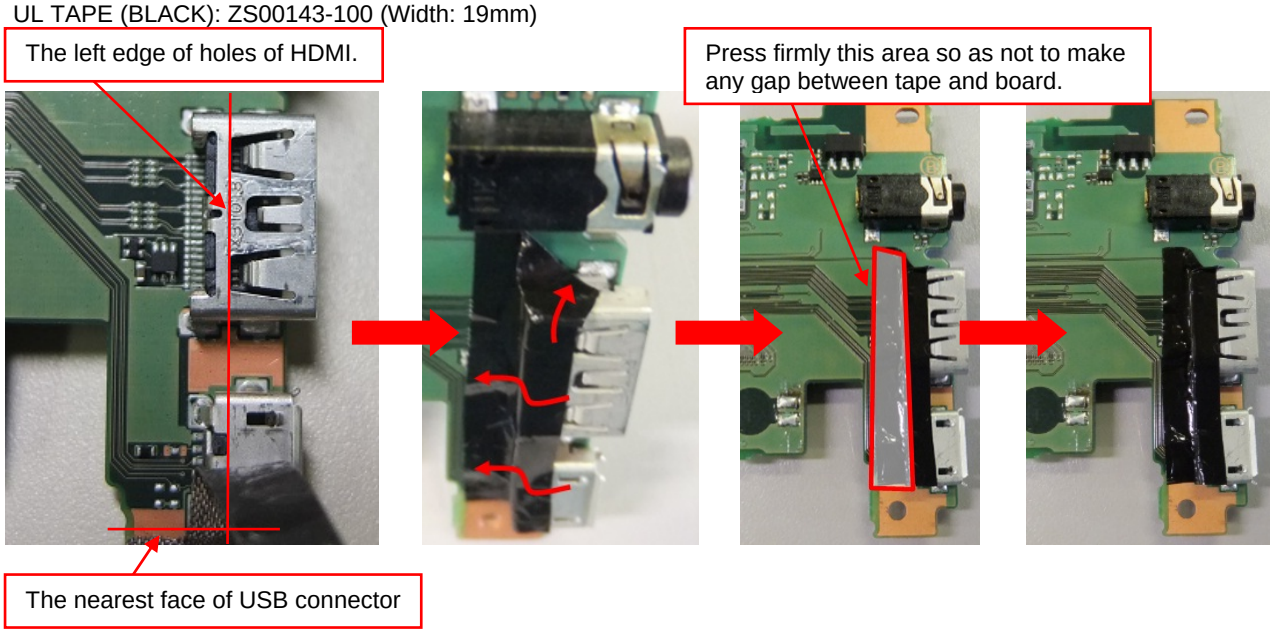


☆: Revised

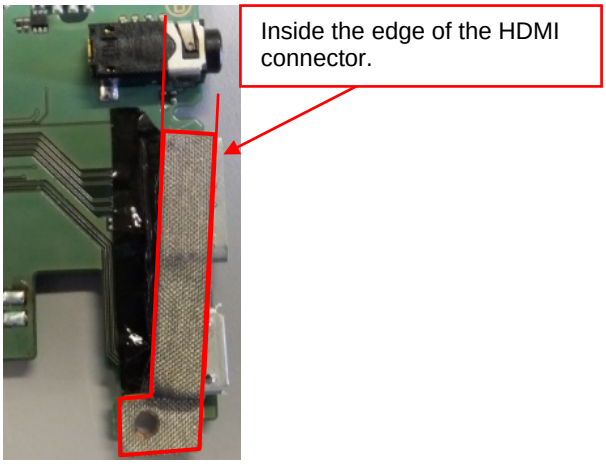
○●☆ **2. UL TAPE (9X25mm), ~~SHEET EMC MAIN 1,~~ CUSHION BLIND 2, UL TAPE (15X22mm) and UL TAPE (6X13mm) are not reusable.**

○☆[Affixing position for the UL TAPE (9X25mm), SHEET EMC MAIN 1, CUSHION BLIND 2, UL TAPE (15X22mm) and UL TAPE (6X13mm)]

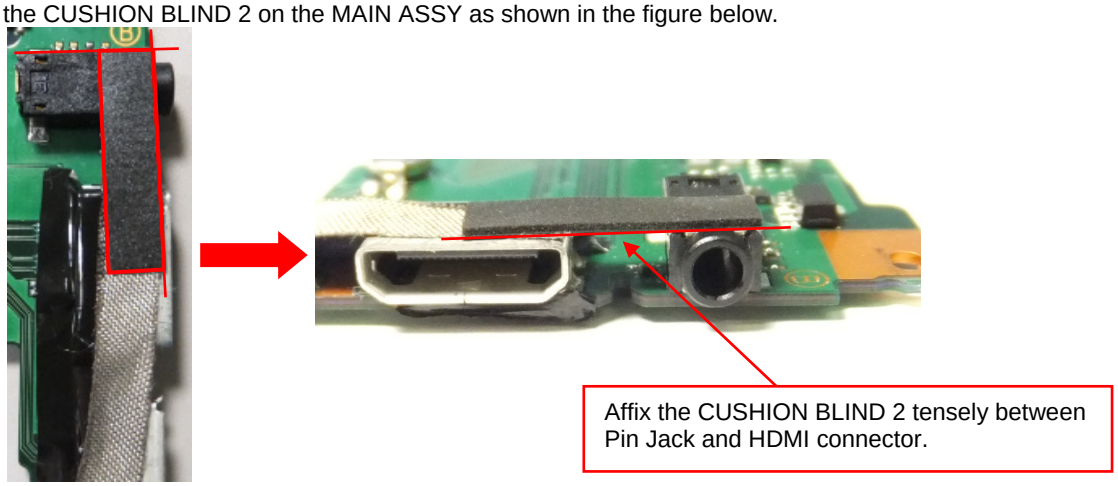
1. Affix the UL TAPE (9X25mm) on the MAIN ASSY as shown in the figure below.
   UL TAPE (BLACK): ZS00143-100 (Width: 19mm)



2. Affix the SHEET EMC MAIN 1 on the MAIN ASSY as shown in the figure.



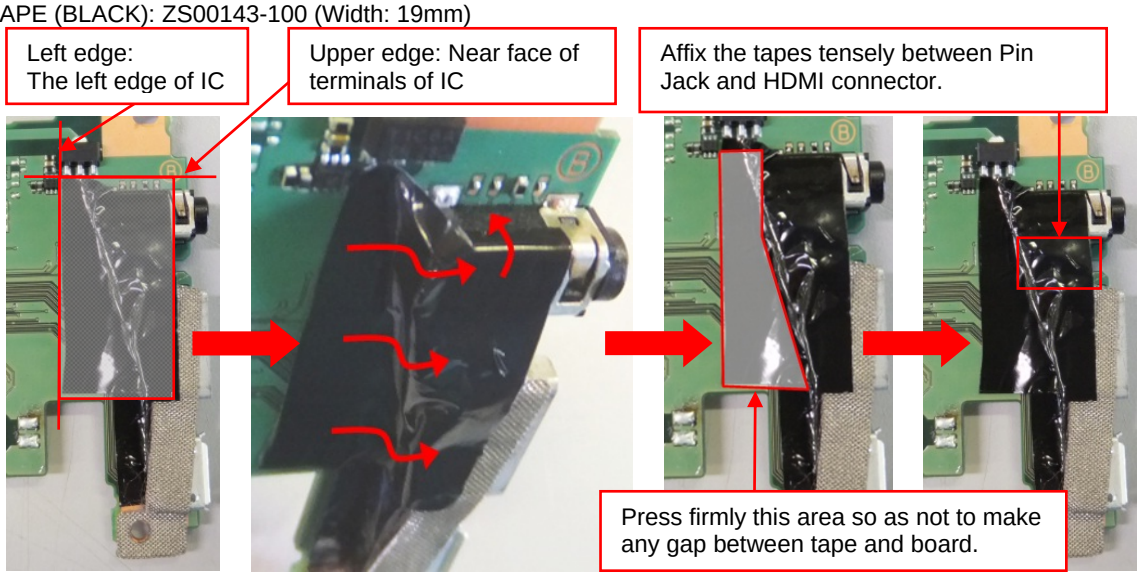
○3. Affix the CUSHION BLIND 2 on the MAIN ASSY as shown in the figure below.



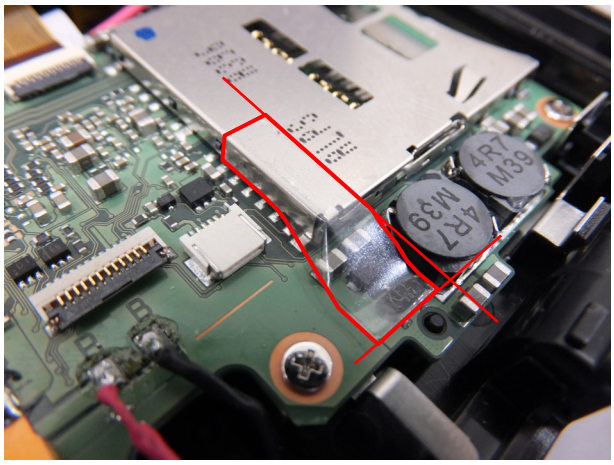
○: Revised
●: Revised
☆: Revised

4. ~~Affix the UL TAPE (15X22mm) on the MAIN ASSY as shown in the figure below.~~

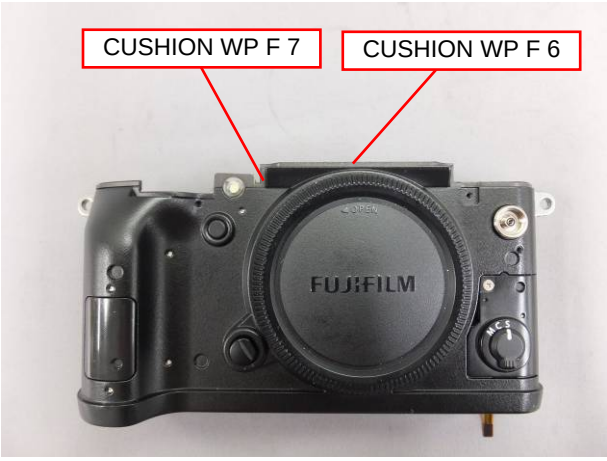
● Affix the UL TAPE (15X22mm) doubly on the MAIN ASSY as shown in the figure below.
UL TAPE (BLACK): ZS00143-100 (Width: 19mm)



☆ 5. Affix the UL TAPE (6X13mm) on the MAIN ASSY as shown in the figure.
UL TAPE (CLEAR): ZS00144-100 (Width: 9mm)



[Affixing position for the CUSHION WP F 6 and CUSHION WP F 7]

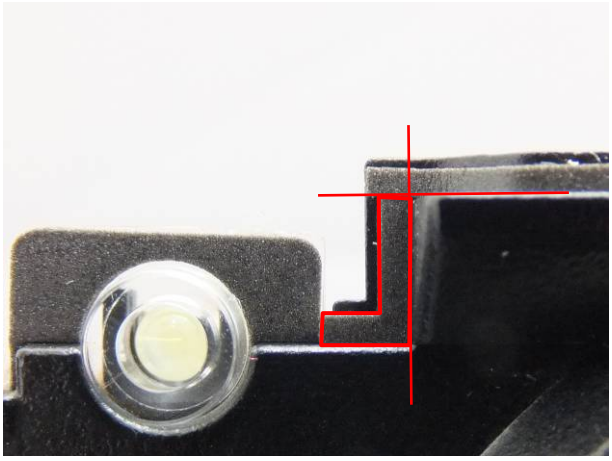


●: Revised
☆: Revised

1. Affix the CUSHION WP F 6 on the CASE F as shown in the figure.



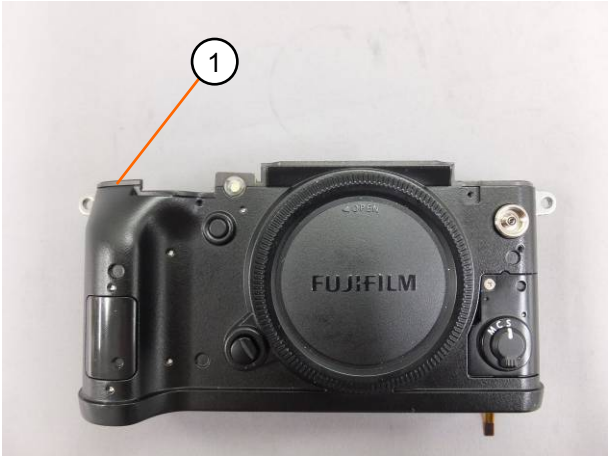
2. Affix the CUSHION WP F 7 on the CASE F as shown in the figure.



[Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-13. Removing the CONST BATT

(1) Peel off the CUSHION WP F 8.

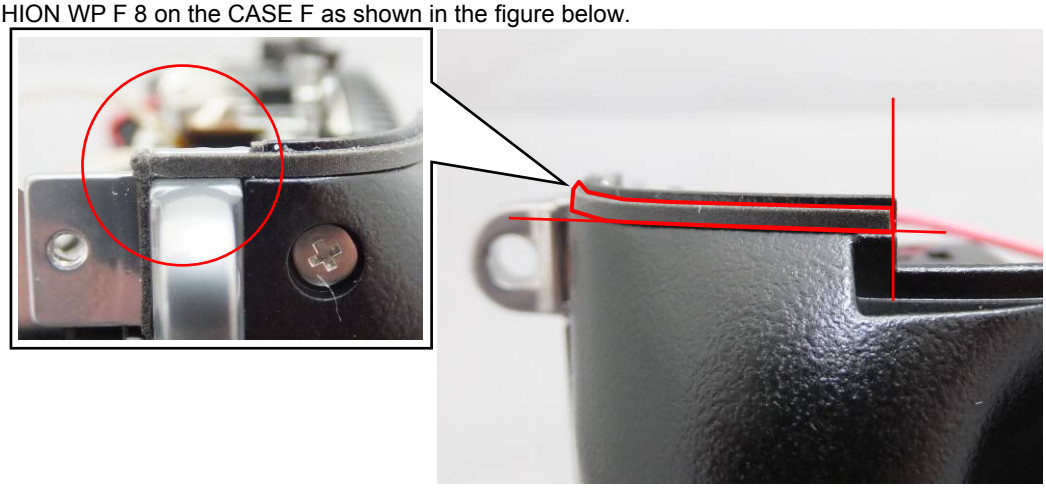


[Notes on Assembly]

CUSHION WP F 8 is not reusable.

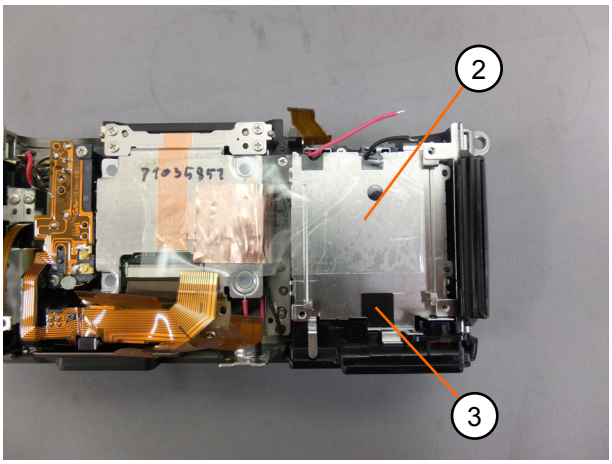
[Affixing position for the CUSHION WP F 8]

Affix the CUSHION WP F 8 on the CASE F as shown in the figure below.



(2) Peel off the UL TAPE (30X70mm).

(3) Peel off the SHEET PLATE HOLDER B.

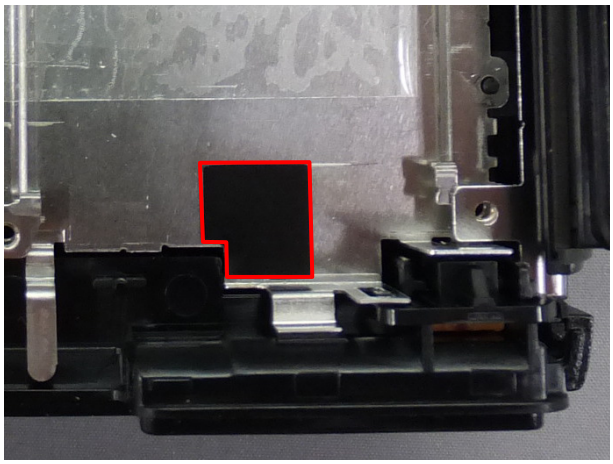


[Notes on Assembly]

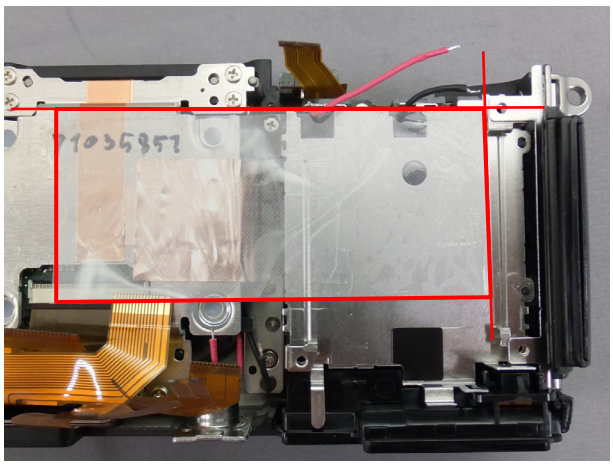
● ~~SHEET PLATE HOLDER B and~~ **UL TAPE (30X70mm) are not reusable.**

[Affixing position for the SHEET PLATE HOLDER B and UL TAPE (30X70mm)]

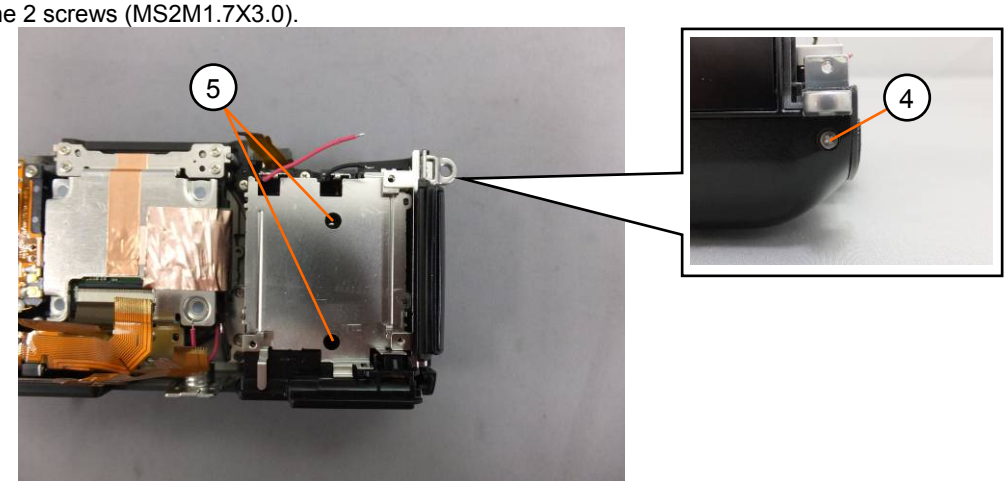
1. Affix the SHEET PLATE HOLDER B on the CONST BATT as shown in the figure.



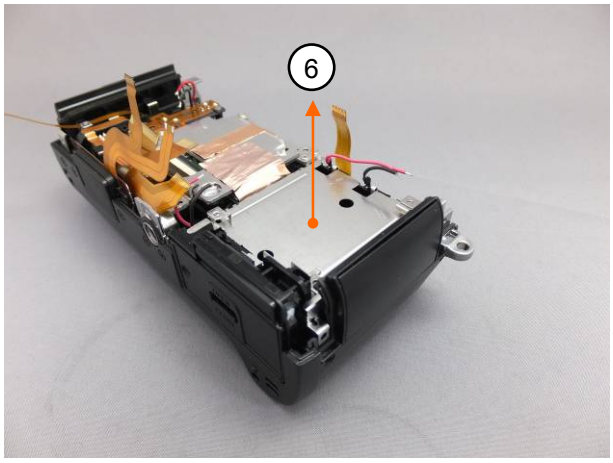
2. Affix the UL TAPE (30X70mm) on the CONST BATT as shown in the figure.
   UL TAPE (CLEAR): ZS00169-100 (Width: 30mm)



(4) Remove the screw (N-MSGM1.7X4.0).
(5) Remove the 2 screws (MS2M1.7X3.0).

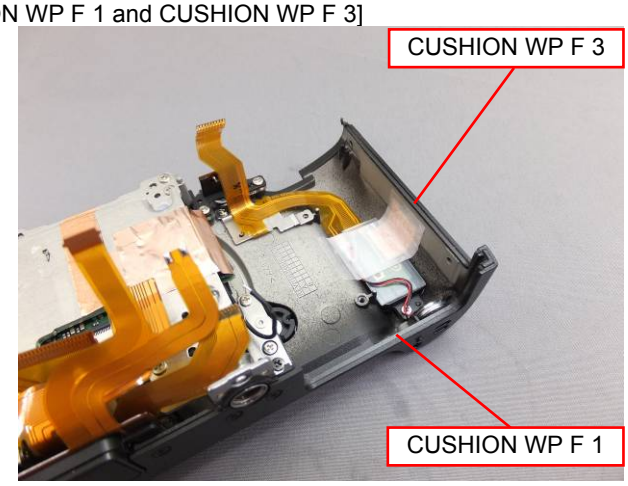


(6) Remove the CONST BATT in the direction of the arrow.

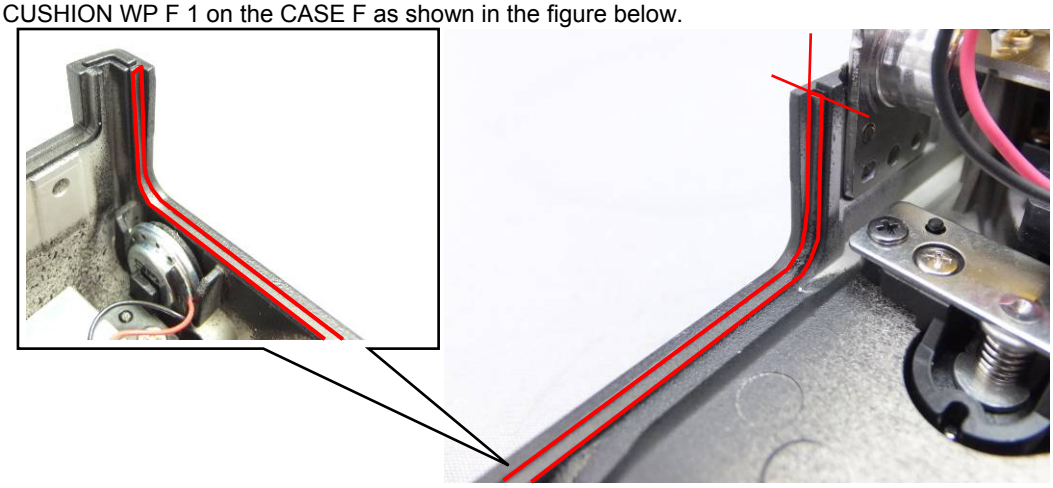


●: Revised

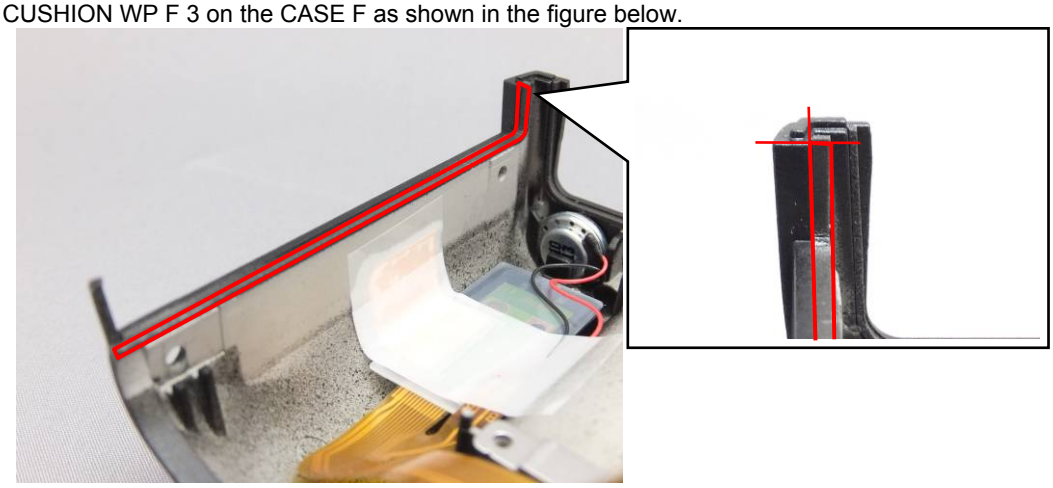
[Affixing position for the CUSHION WP F 1 and CUSHION WP F 3]



1. Affix the CUSHION WP F 1 on the CASE F as shown in the figure below.



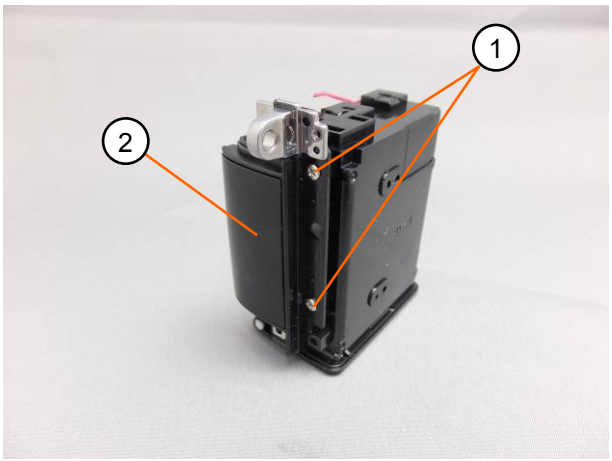
2. Affix the CUSHION WP F 3 on the CASE F as shown in the figure below.



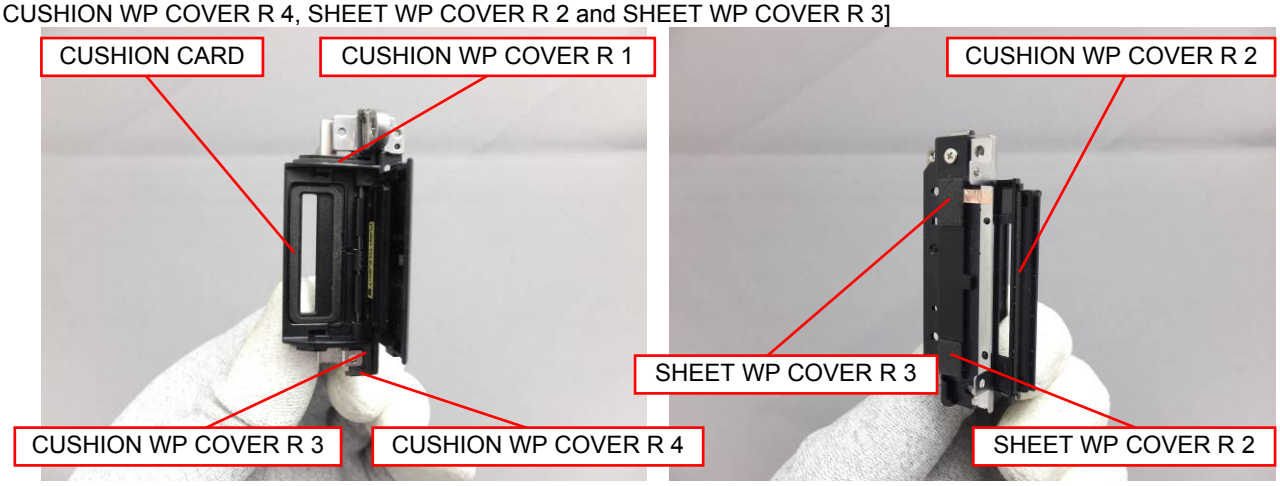
[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-13-1. Disassembling the CONST BATT

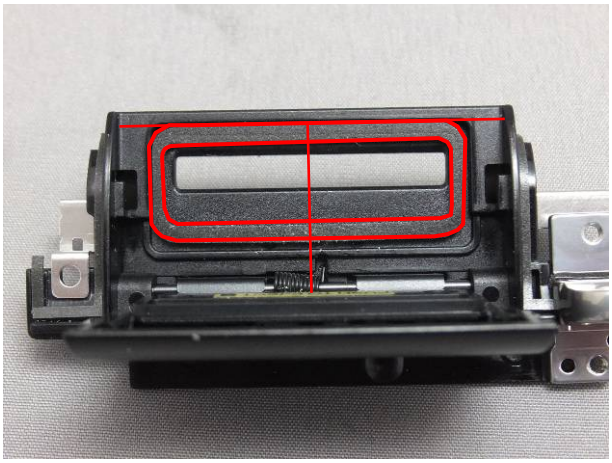
(1) Remove the 2 screws (BT2M1.7X3.5).
(2) Remove the CONST COVER CARD.



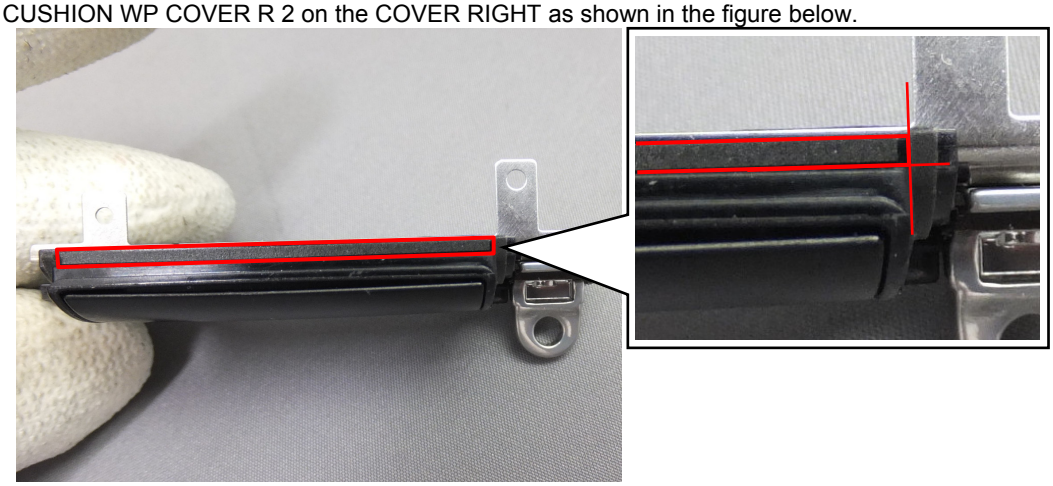
[Affixing position for the CUSHION CARD, CUSHION WP COVER R 1, CUSHION WP COVER R 2, CUSHION WP COVER R 3, CUSHION WP COVER R 4, SHEET WP COVER R 2 and SHEET WP COVER R 3]



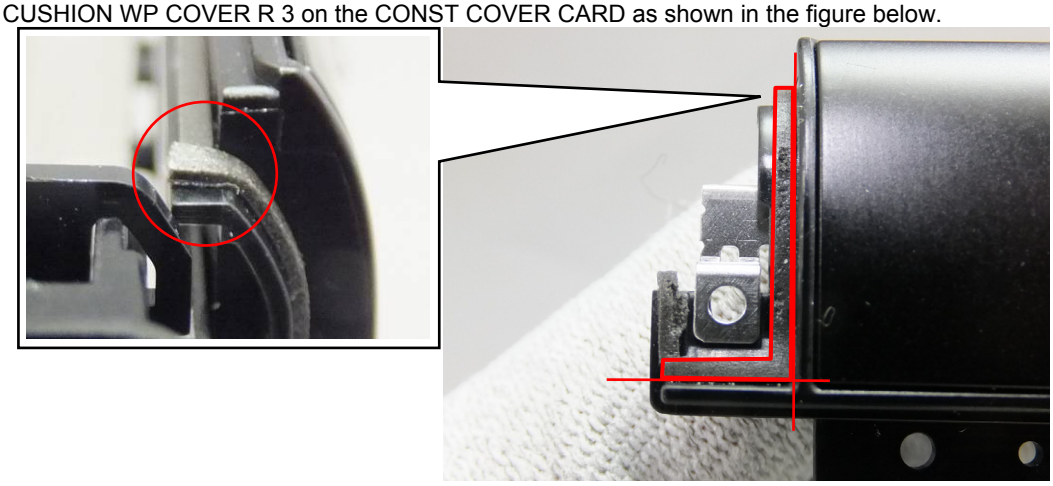
1. Affix the CUSHION CARD on the COVER RIGHT as shown in the figure.



2. Affix the CUSHION WP COVER R 2 on the COVER RIGHT as shown in the figure below.



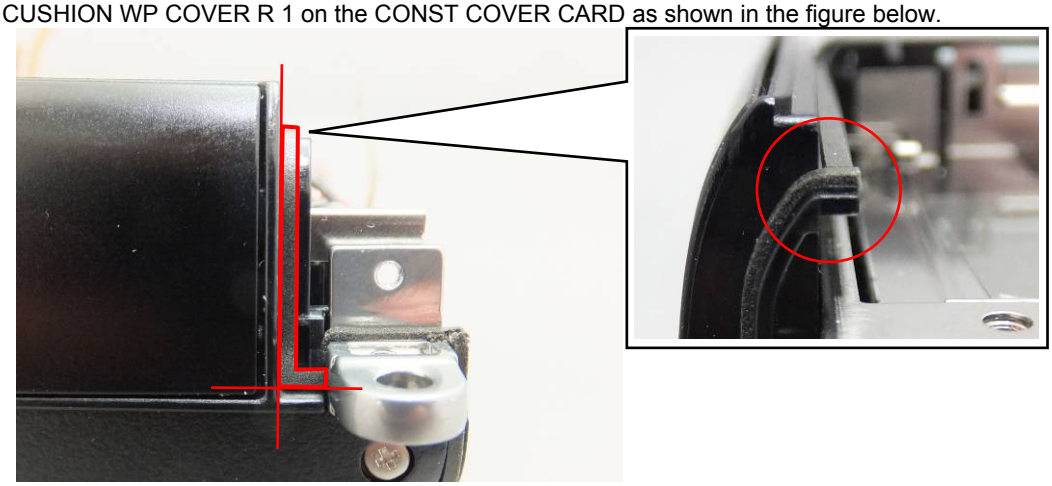
3. Affix the CUSHION WP COVER R 3 on the CONST COVER CARD as shown in the figure below.



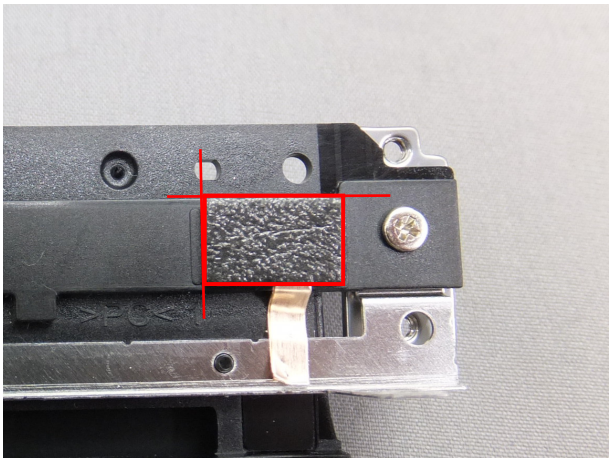
4. Affix the CUSHION WP COVER R 4 on the CONST COVER CARD as shown in the figure below.



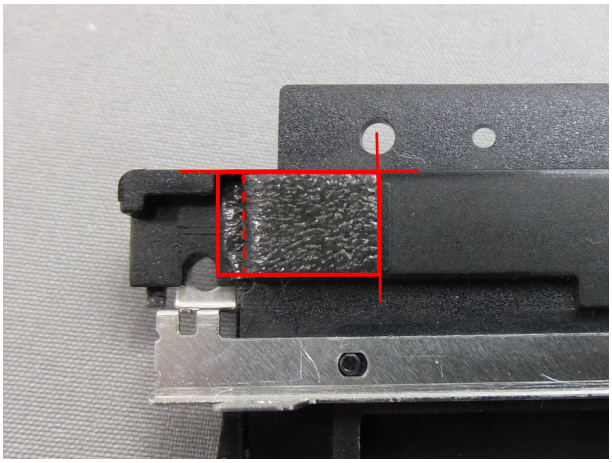
5. Affix the CUSHION WP COVER R 1 on the CONST COVER CARD as shown in the figure below.



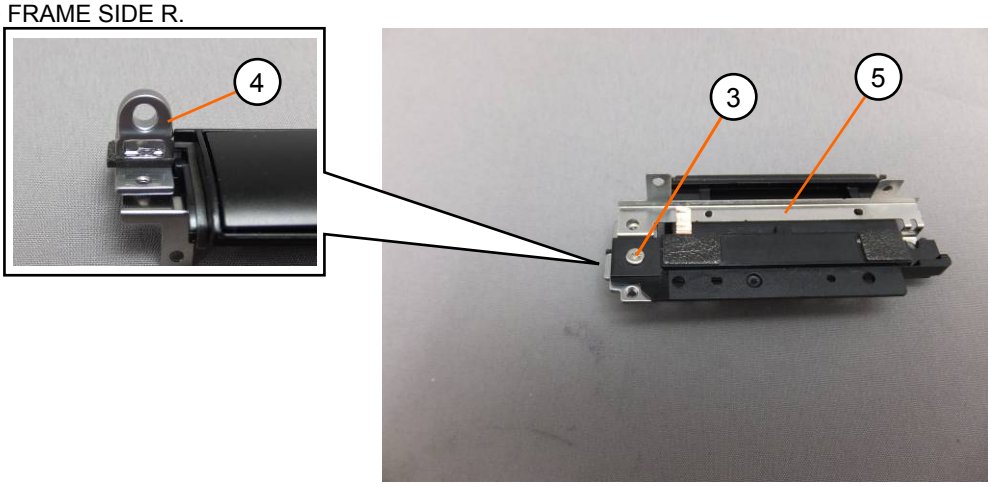
6. Affix the SHEET WP COVER R 3 on the COVER RIGHT as shown in the figure.



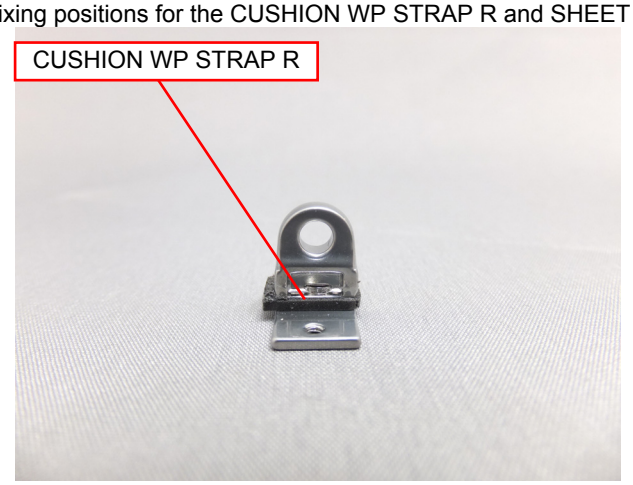
7. Affix the SHEET WP COVER R 2 on the COVER RIGHT as shown in the figure.



(3) Remove the screw (MS2M1.7X3.0).
(4) Remove the CONST STRAP RIGHT.
(5) Remove the FRAME SIDE R.

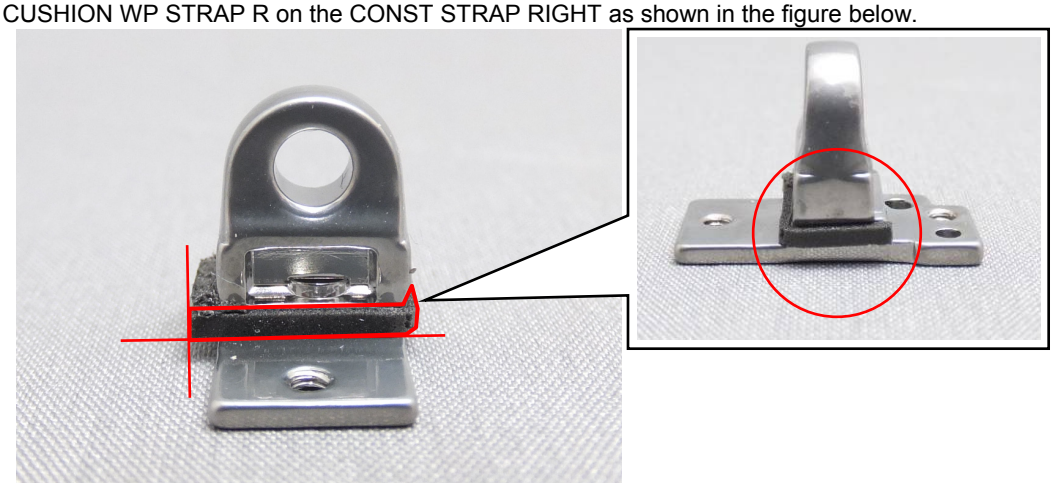


[Affixing positions for the CUSHION WP STRAP R and SHEET WP COVER R 1]





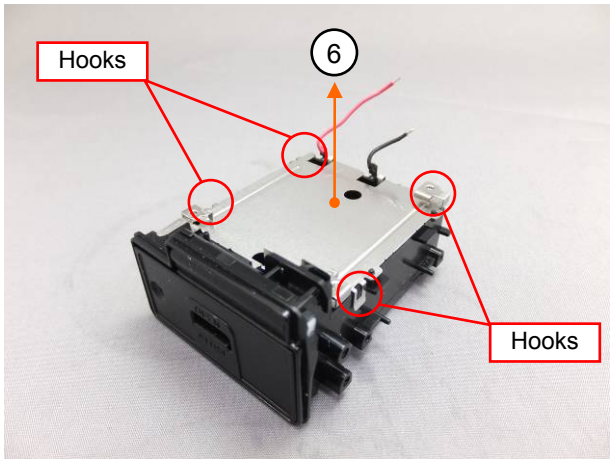
1. Affix the CUSHION WP STRAP R on the CONST STRAP RIGHT as shown in the figure below.



2. Affix the SHEET WP COVER R 1 on the COVER RIGHT as shown in the figure.



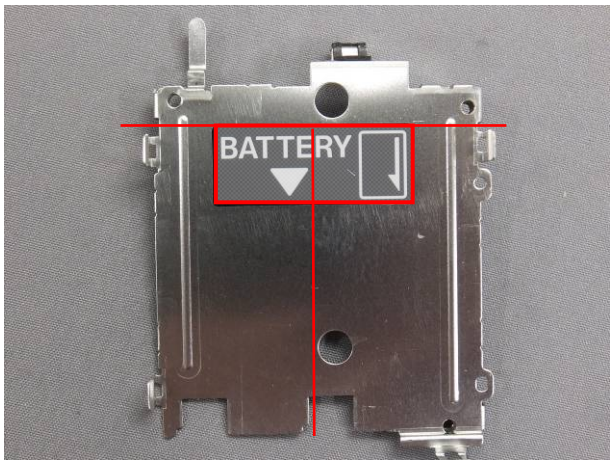
(6) Remove the Hooks, and remove the PLATE HOLDER BATT in the direction of the arrow.



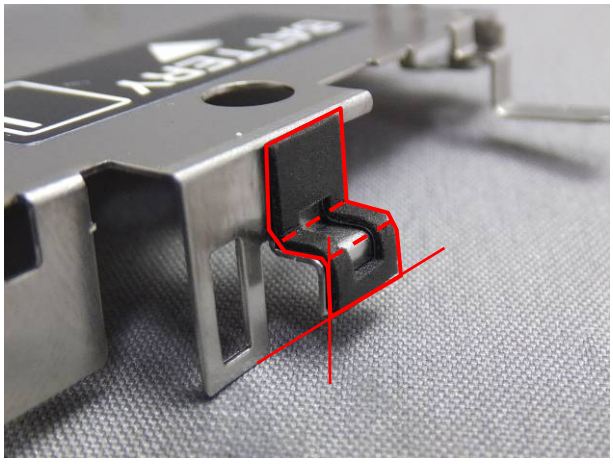
[Precaution when replacing PLATE HOLDER BATT]
LABEL BATT and CUSHION PLATE HOLD B are not reusable.

[Affixing position for the LABEL BATT and CUSHION PLATE HOLD B]

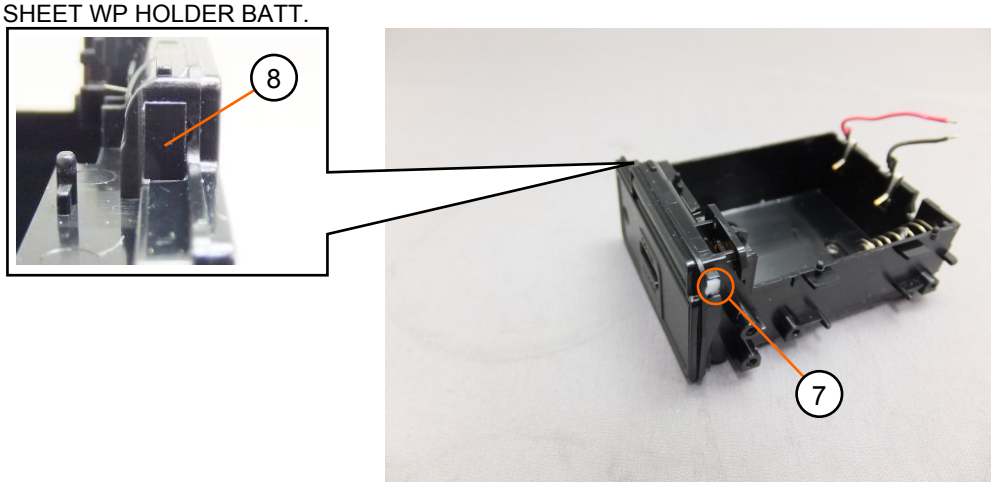
1. Affix the LABEL BATT on the PLATE HOLDER BATT as shown in the figure.



2. Affix the CUSHION PLATE HOLD B on the PLATE HOLDER BATT as shown in the figure.

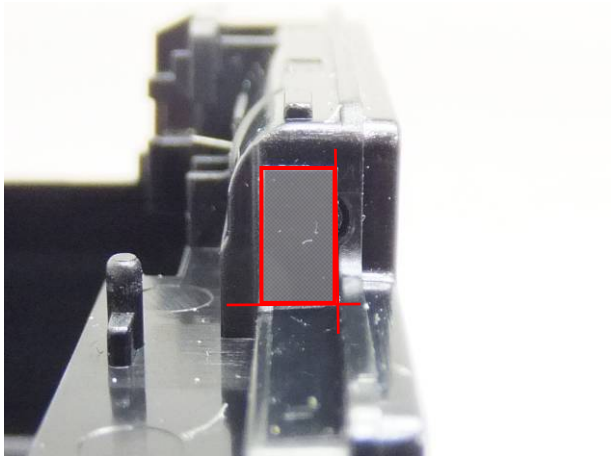


(7) Peel off the bond.
(8) Peel off the SHEET WP HOLDER BATT.

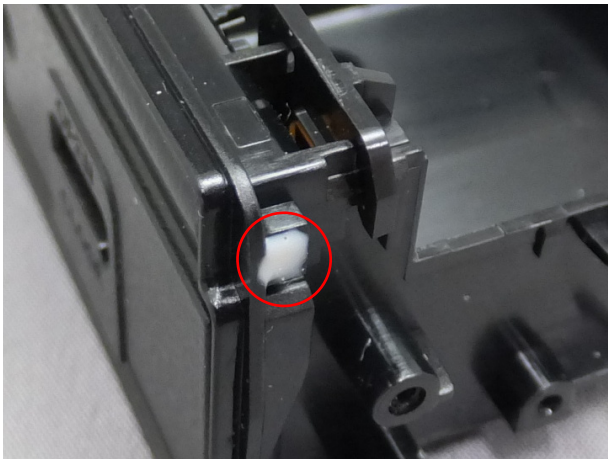


[Notes on Assembly]
1. **SHEET WP HOLDER BATT is not reusable.**

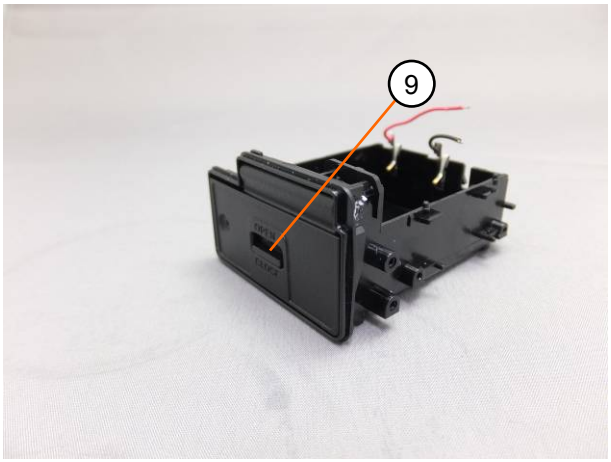
[Affixing position for the SHEET WP HOLDER BATT]
Affix the SHEET WP HOLDER BATT on the HOLDER BATTERY as shown in the figure.



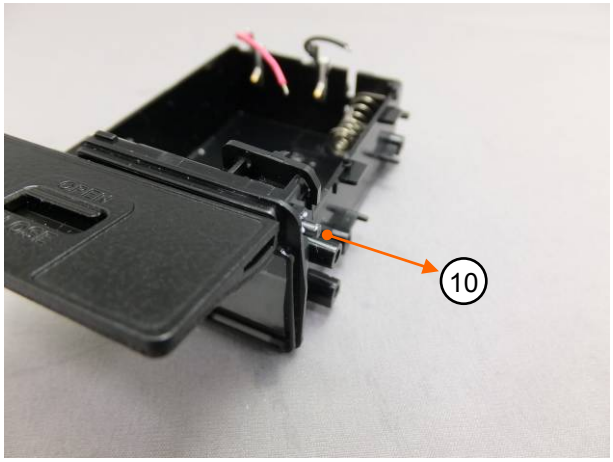
2. Apply the bond to the HOLDER BATTERY as shown in the figure.
KONISHI BOND SL220W: ZS00175-100



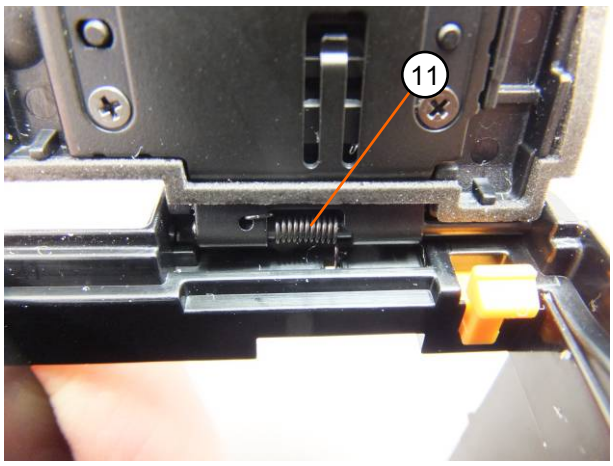
(9) Open the COVER BATTERY.



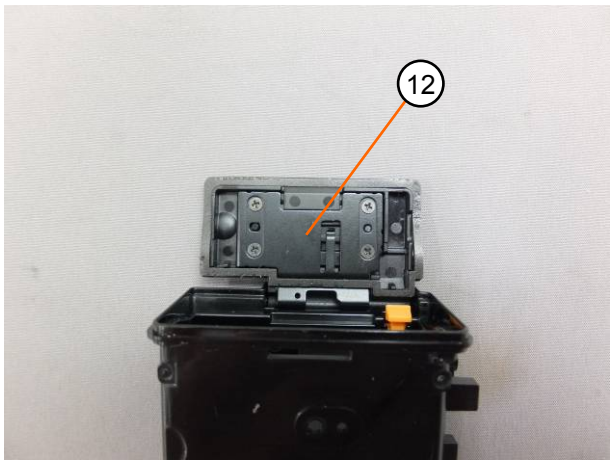
(10) Remove the SHAFT COVER BATT in the direction of the arrow.



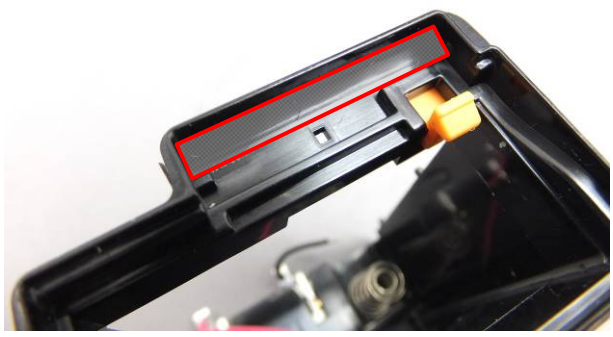
(11) Remove the TSP COVER BATT 4.



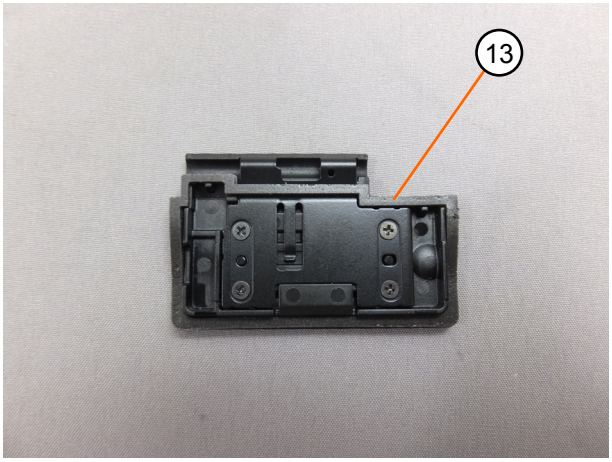
(12) Remove the CONST COVER BATT.



[Notes on Assembly]
Be sure to apply the lubricant to the HOLDER BATTERY.
Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))

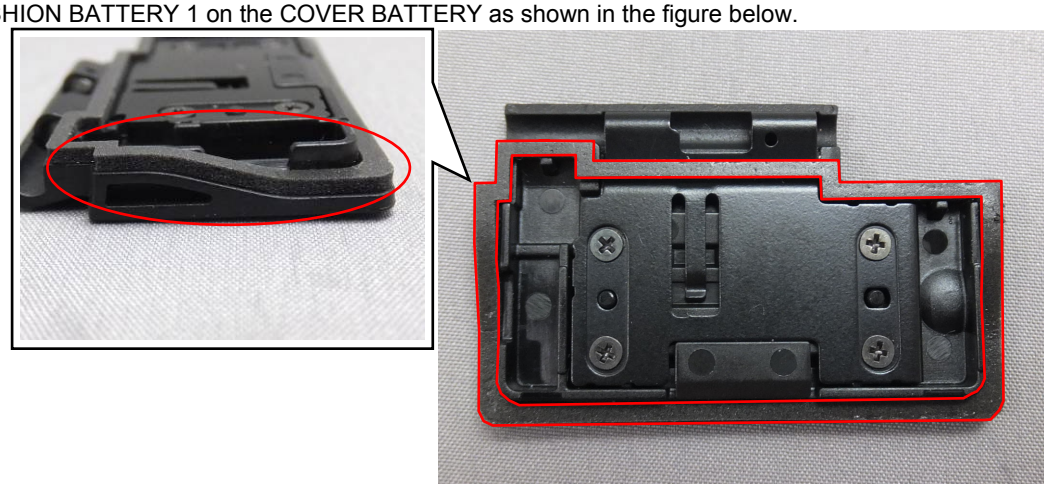


(13) Peel off the CUSHION BATTERY 1.

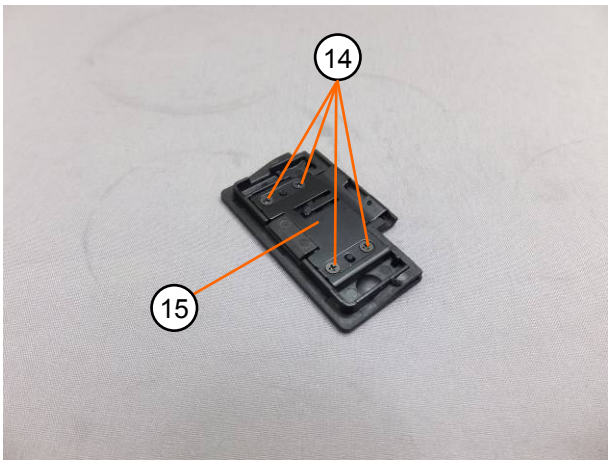


[Notes on Assembly]
CUSHION BATTERY 1 is not reusable.

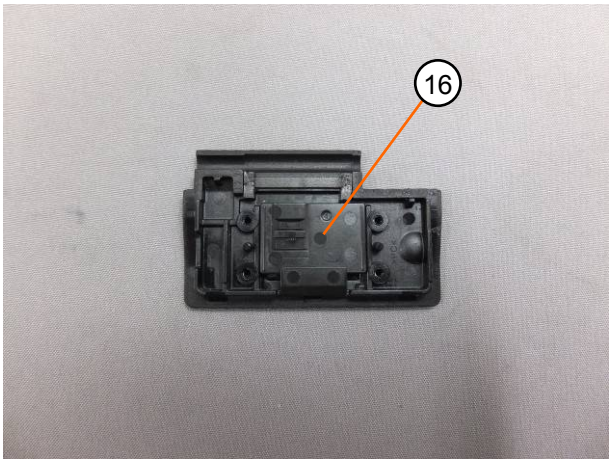
[Affixing position for the CUSHION BATTERY 1]
Affix the CUSHION BATTERY 1 on the COVER BATTERY as shown in the figure below.



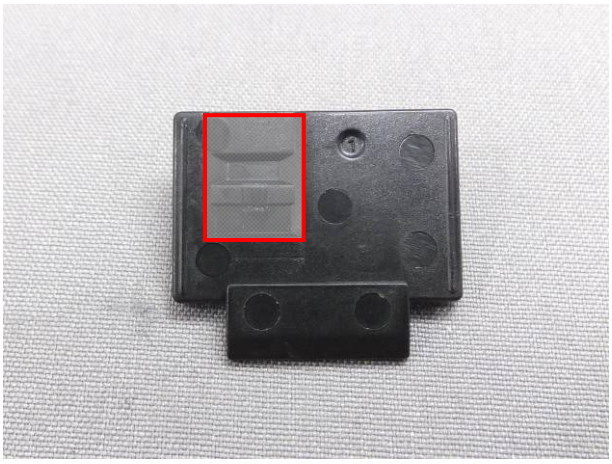
(14) Remove the 4 screws (PS2AM1.4X2.5B).
(15) Remove the PLATE COVER BATT.



(16) Remove the LOCK COVER BATT.



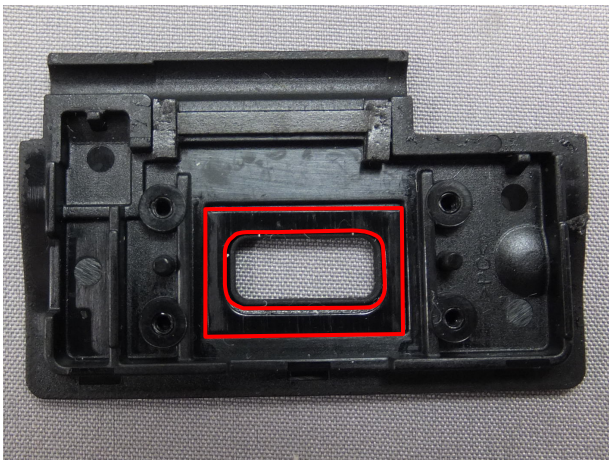
[Notes on Assembly]
Be sure to apply the lubricant to the LOCK COVER BATT.
Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))



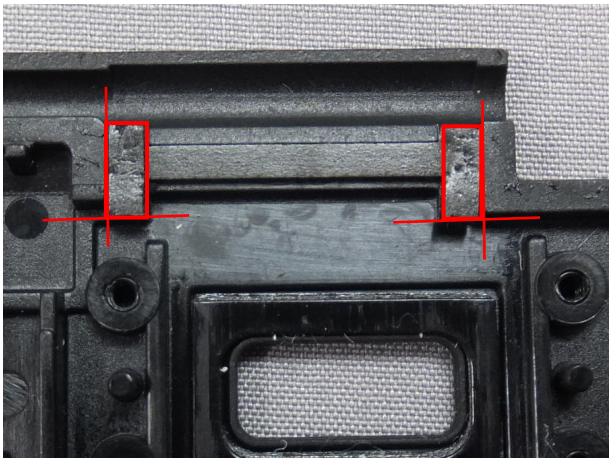
[Precaution when replacing COVER BATTERY]
SHEET LOCK BATT, CUSHION BATTERY 3 and CUSHION BATTERY 2 are not reusable.

[Affixing positions for the SHEET LOCK BATT, CUSHION BATTERY 3 and CUSHION BATTERY 2]

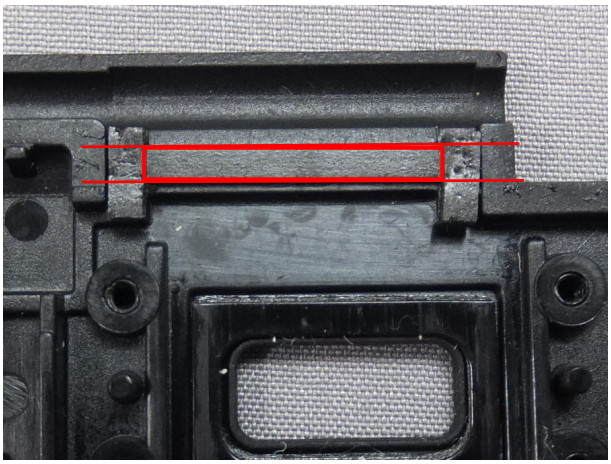
1. Affix the SHEET LOCK BATT on the COVER BATTERY as shown in the figure.



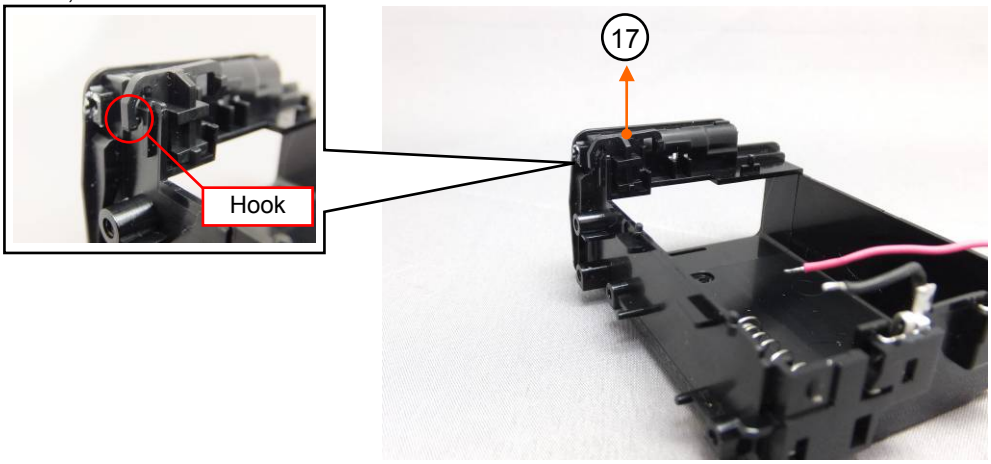
2. Affix the CUSHION BATTERY 3 on the COVER BATTERY as shown in the figure.



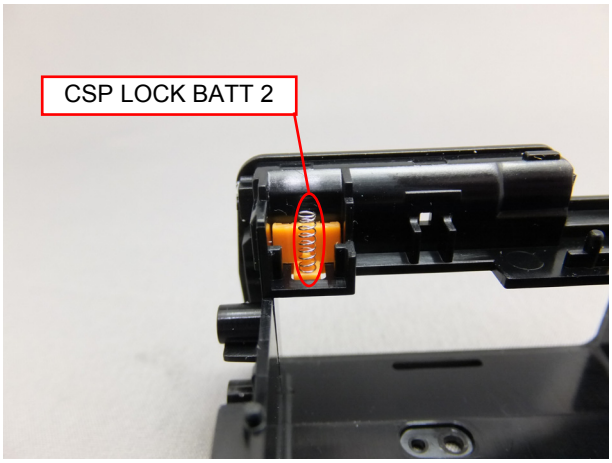
3. Affix the CUSHION BATTERY 2 on the COVER BATTERY as shown in the figure.



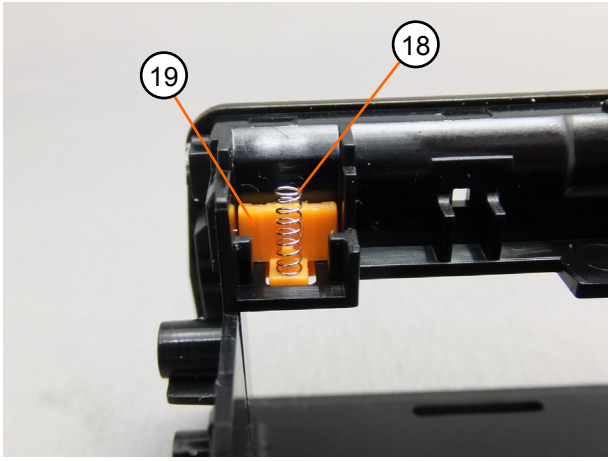
(17) Remove the Hook, and remove the HOLDER LOCK BATTERY in the direction of the arrow.



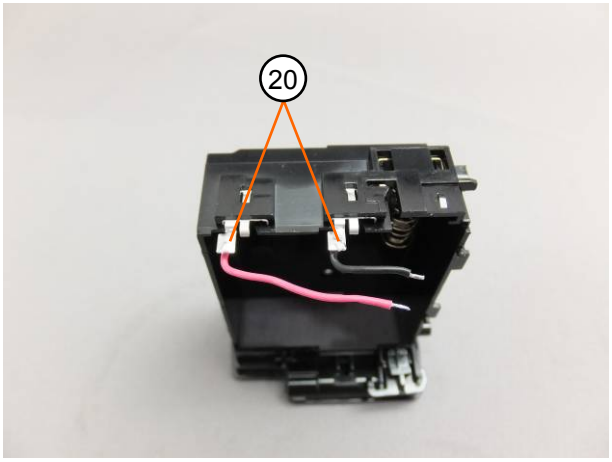
[Notes]
Be careful not to lose the CSP LOCK BATT 2.



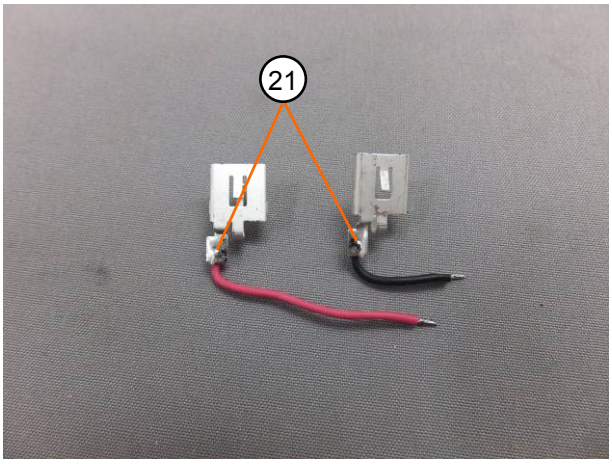
(18) Remove the CSP LOCK BATT 2.
(19) Remove the LOCK BATTERY.



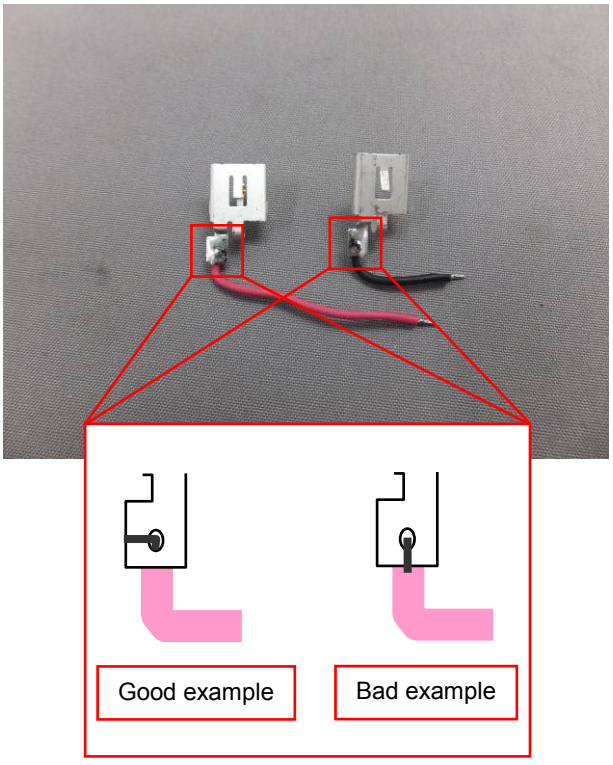
(20) Remove the PSP CONTACT BATT.



(21) Remove 1 solder, and remove the HARNESS BATT.

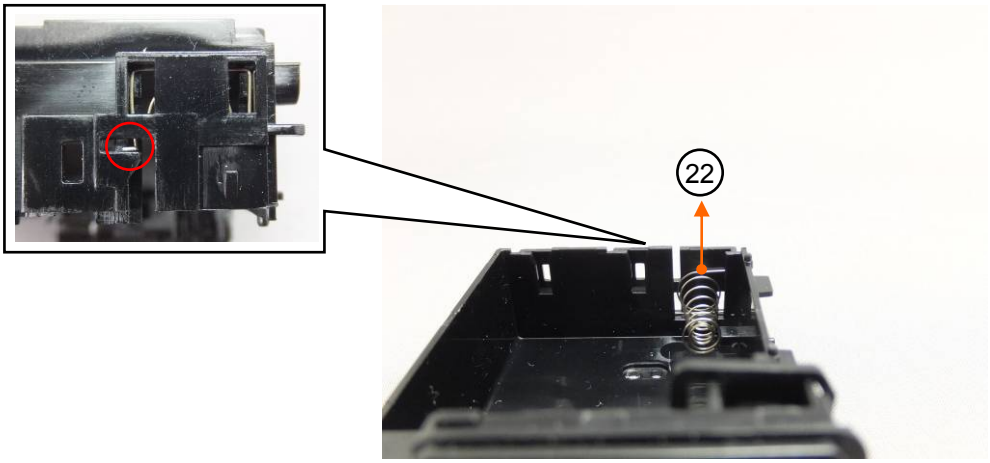


☆[Notes on Assembly]
Be careful for the assembly position of the HARNESS BATT.



☆: Revised

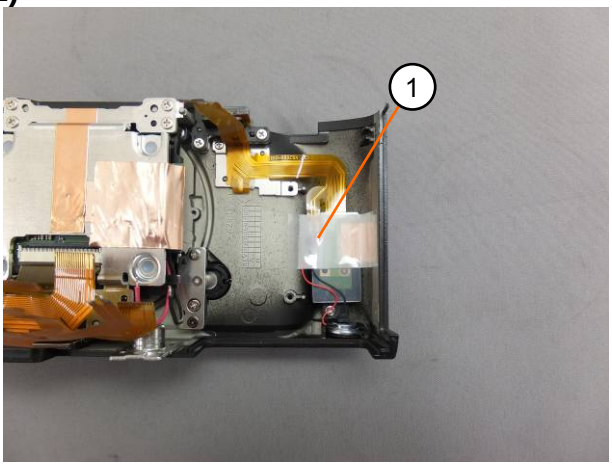
(22) Remove the CSP EJECT BATTERY in the direction of the arrow.



[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

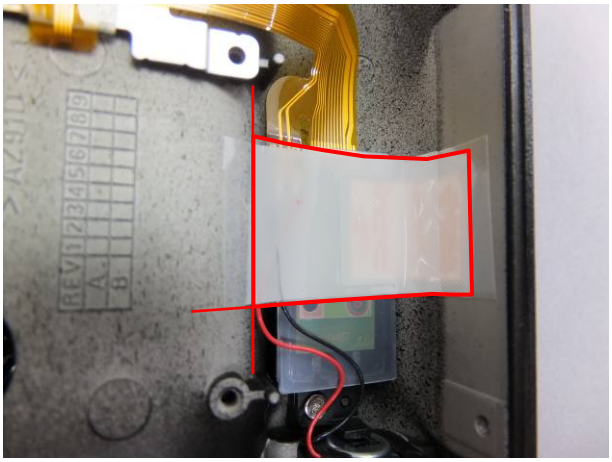
2-14. Removing the DWM-W094(WLANMODULE)

(1) Peel off the UL TAPE (15X26mm).

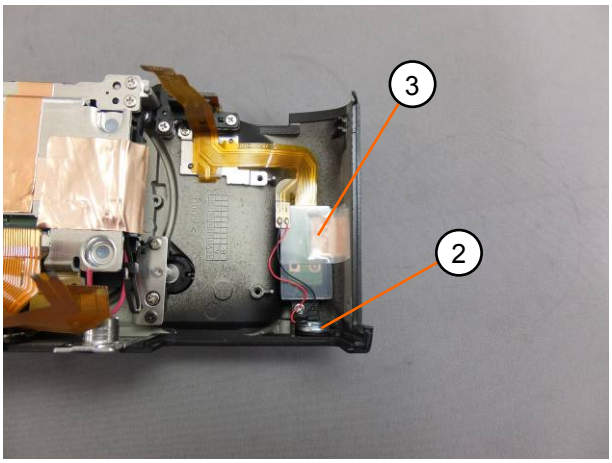


[Notes on Assembly]
UL TAPE (15X26mm) is not reusable.

[Affixing position for the UL TAPE (15X26mm)]
Affix the UL TAPE (15X26mm) on the DWM-W094(WLANMODULE) as shown in the figure.

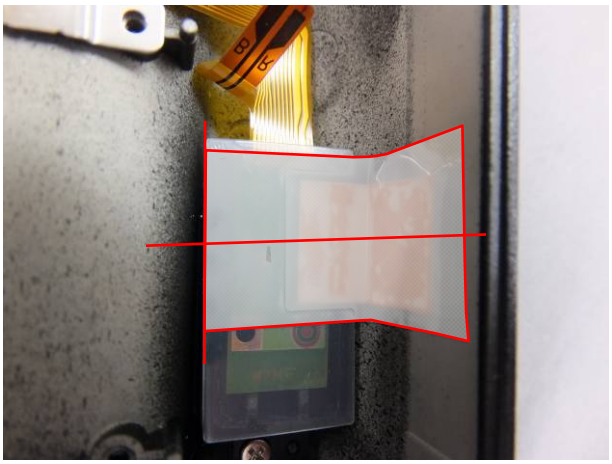


(2) Remove the SPEAKER.
(3) Peel off the UL TAPE (15X26mm).

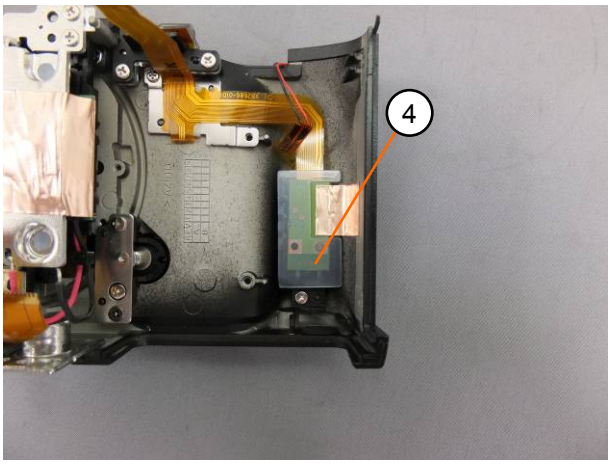


[Notes on Assembly]
UL TAPE (15X26mm) is not reusable.

[Affixing position for the UL TAPE (15X26mm)]
Affix the UL TAPE (15X26mm) on the DWM-W094(WLANMODULE) as shown in the figure.

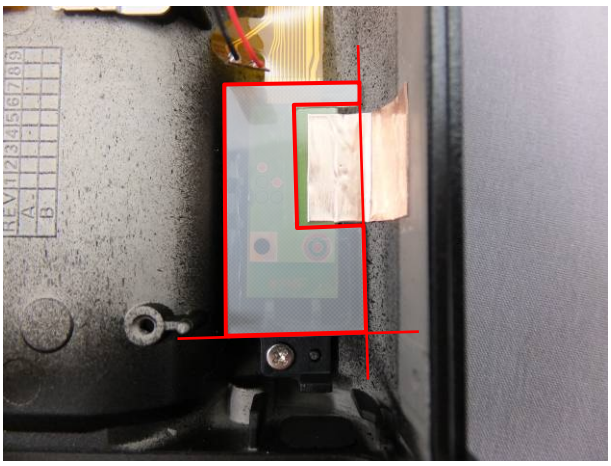


(4) Peel off the TAPE PWB WLAN.

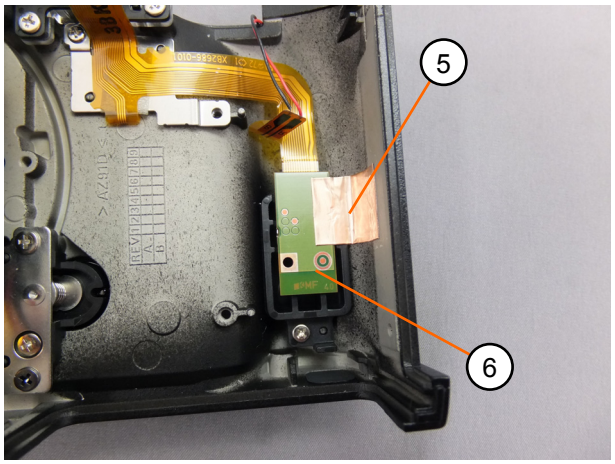


[Notes on Assembly]
TAPE PWB WLAN is not reusable.

[Affixing position for the TAPE PWB WLAN]
Affix the TAPE PWB WLAN on the DWM-W094(WLANMODULE) as shown in the figure.



(5) Peel off the SHEET CU WLAN.
(6) Remove the DWM-W094(WLANMODULE).

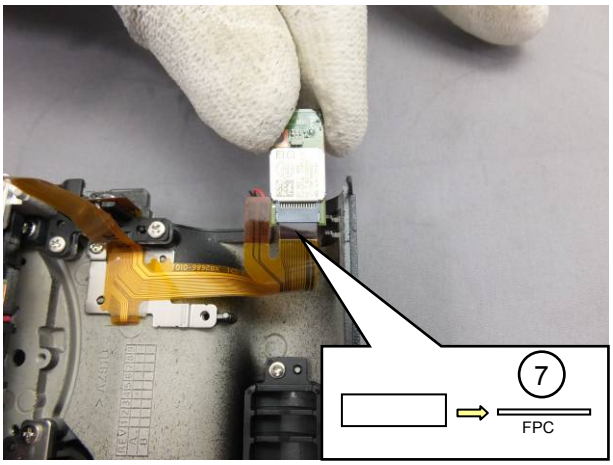


[Notes on Assembly]
UL TAPE (15X26mm) is not reusable.

[Affixing position for the UL TAPE (15X26mm)]
Affix the UL TAPE (15X26mm) on the DWM-W094(WLANMODULE) as shown in the figure.



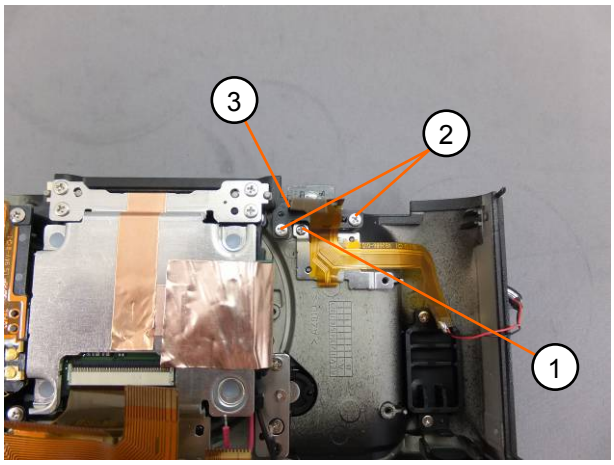
(7) Remove the FPC.



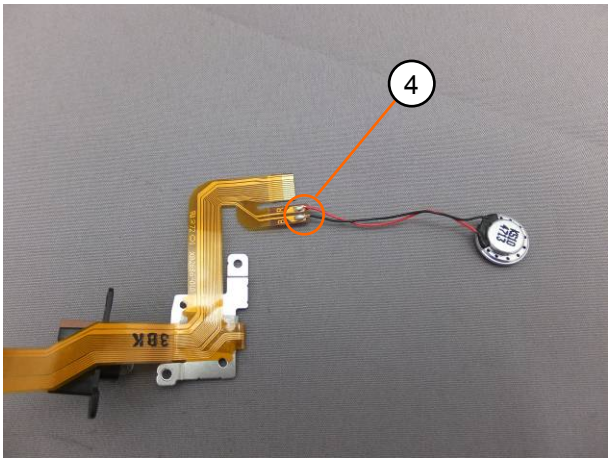
[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-15. Removing the WLAN ASSY

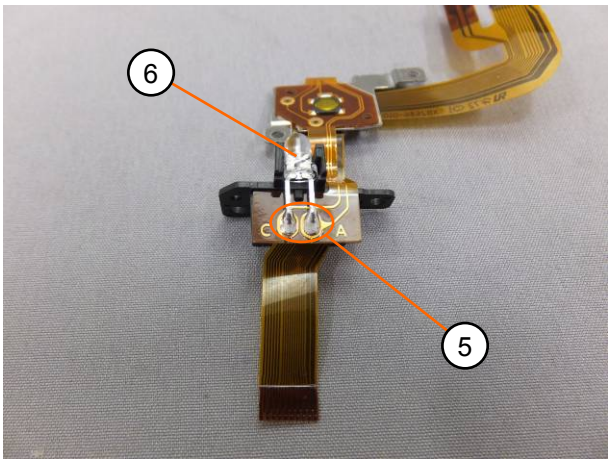
(1) Remove the screw (MS2M1.4X2.0).
(2) Remove the 2 screws (MS2M1.7X4.0).
(3) Remove the HOLDER LED.



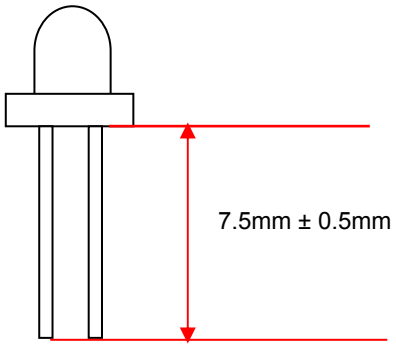
(4) Remove 2 solders, and remove the SPEAKER.



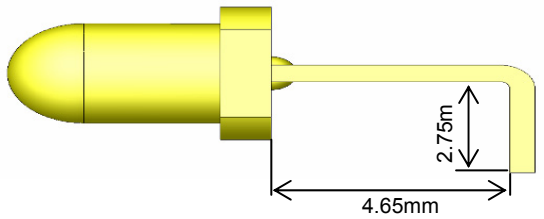
(5) Remove 2 solders.
(6) Remove the LED.

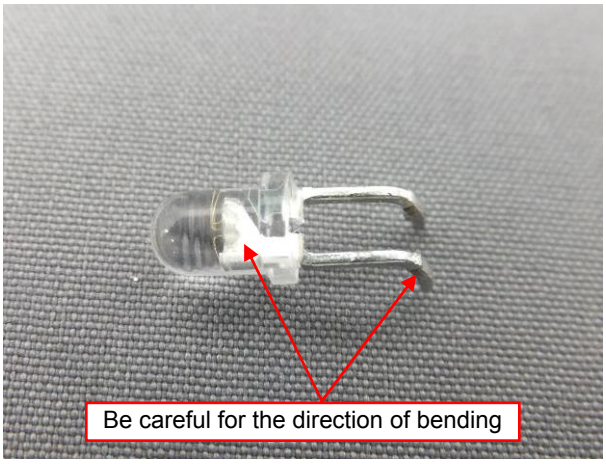


[Precaution when replacing LED]
1. Cut the terminals of the LED as shown in the figure.

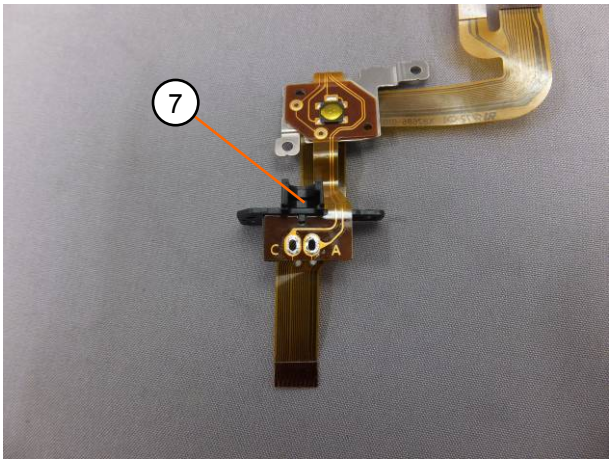


2. Bend LED as shown in the figure.



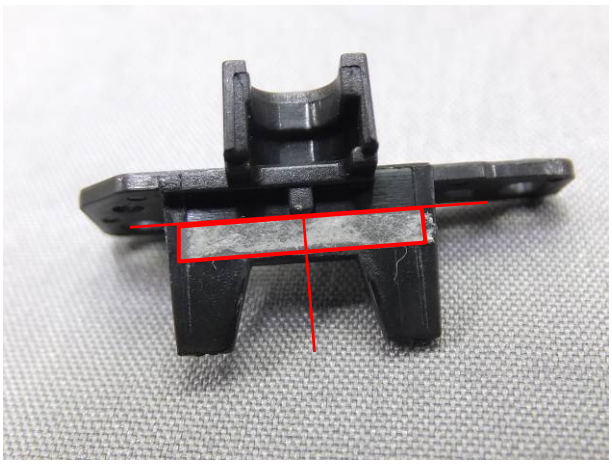


(7) Remove the HOLDER LED.

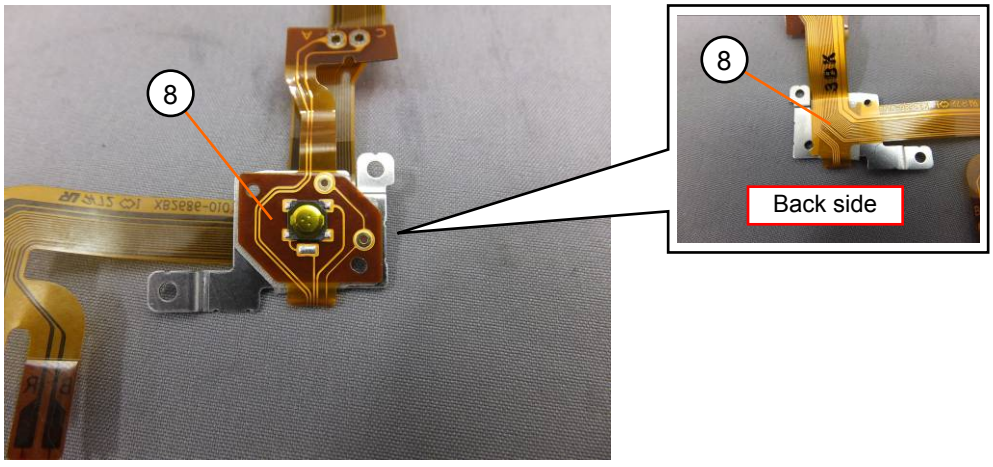


[Notes on Assembly]
TAPE FPC WLAN 2 is not reusable.

[Affixing position for the TAPE FPC WLAN 2]
Affix the TAPE FPC WLAN 2 TAPE FPC WLAN 2 on the HOLDER LED as shown in the figure.

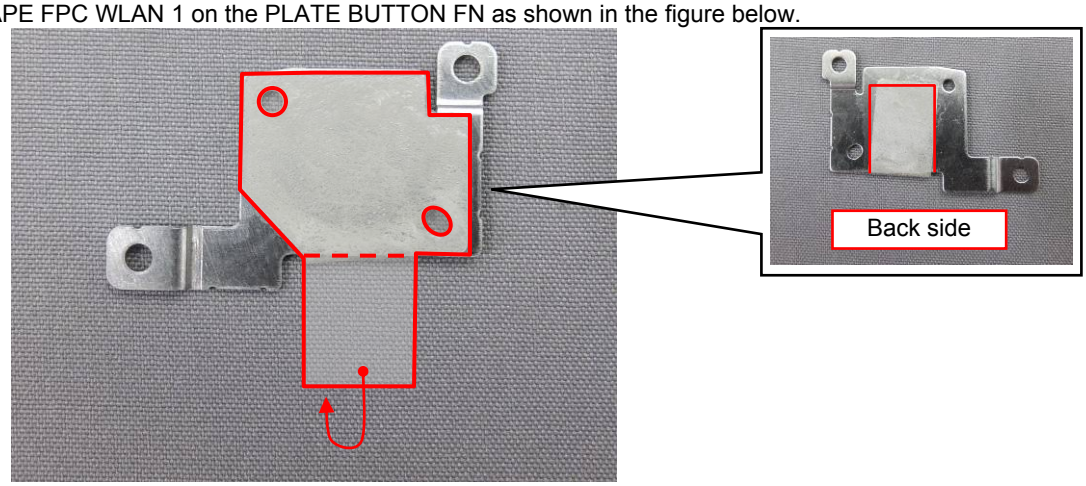


(8) Peel off the WLAN ASSY.

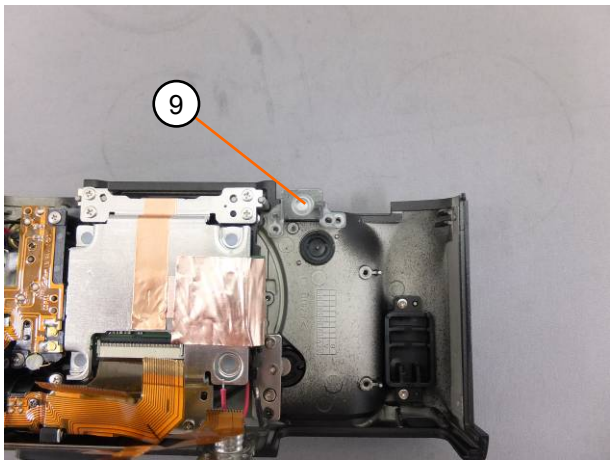


[Notes on Assembly]
TAPE FPC WLAN 1 is not reusable.

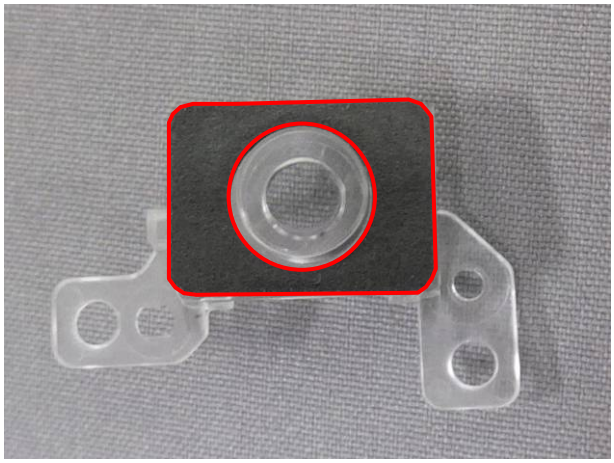
[Affixing position for the TAPE FPC WLAN 1]
Affix the TAPE FPC WLAN 1 on the PLATE BUTTON FN as shown in the figure below.



(9) Remove the WINDOW AF.



[Precaution when replacing WINDOW AF]
~~**CUSHION WP WINDOW AF is not reusable.**~~
●~~**CUSHION WP WINDOW AF and UL TAPE (10X3.5mm) are not reusable.**~~
○**CUSHION WP WINDOW AF and SHEET SHADE2 are not reusable.**

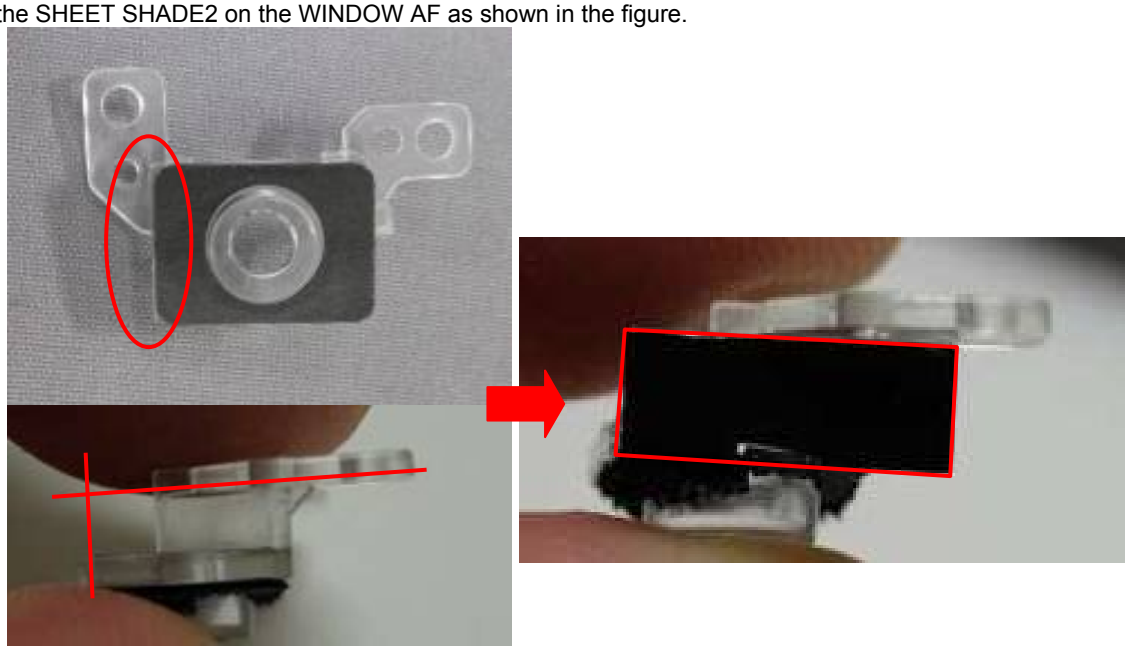


~~[Affixing position for the CUSHION WP WINDOW AF]~~
~~Affix the CUSHION WP WINDOW AF on the WINDOW AF as shown in the figure.~~
●~~[Affixing position for the CUSHION WP WINDOW AF and UL TAPE (10X3.5mm)]~~
○[Affixing position for the CUSHION WP WINDOW AF and SHEET SHADE2]
1. Affix the CUSHION WP WINDOW AF on the WINDOW AF as shown in the figure.

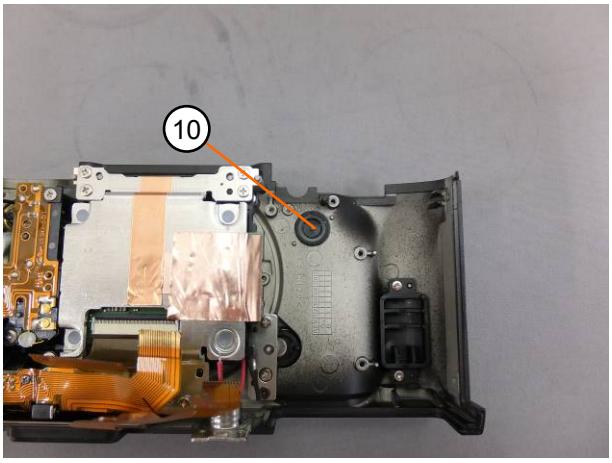
○: Revised
●: Revised

●2. ~~Affix the UL TAPE (10X3.5mm) on the WINDOW AF as shown in the figure.~~
~~UL TAPE (BLACK): ZS00143-100 (Width: 19mm)~~

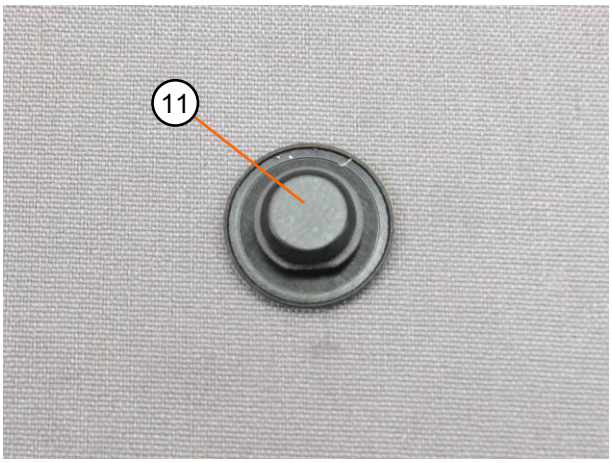
○ Affix the SHEET SHADE2 on the WINDOW AF as shown in the figure.



(10) Remove the RUBBER FRONT FN.

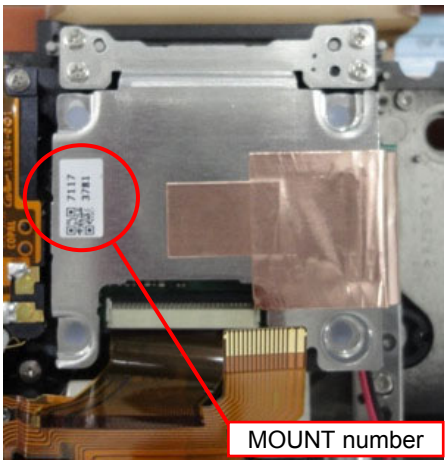


(11) Remove the BUTTON FRONT FN.

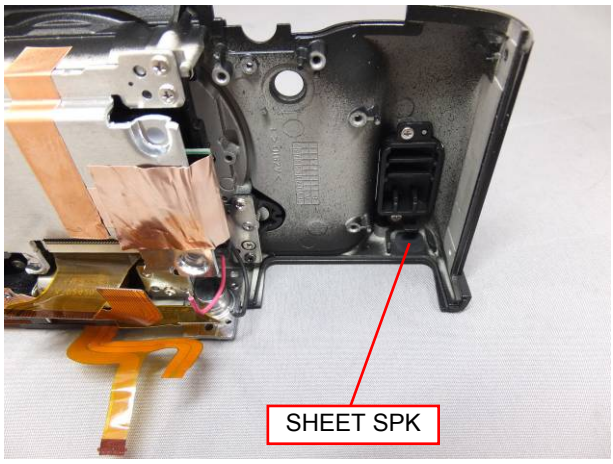


○: Revised
●: Revised

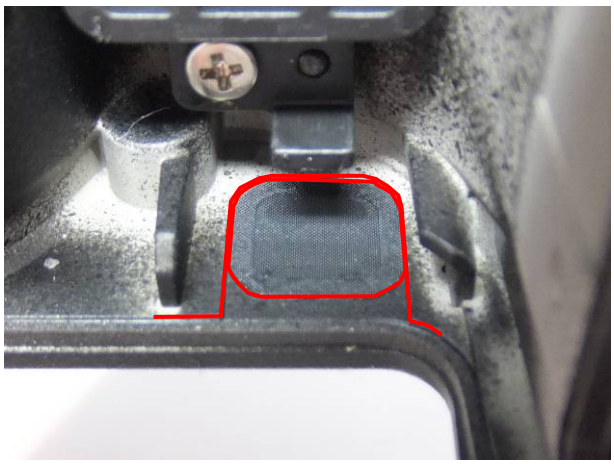
[Precaution when replacing CONST ASSY F]
The MOUNT data (8 digits) is required for adjustment by Mount Data Write.
To obtain the MOUNT data, refer to [3-5-5. Obtaining the MOUNT data].



[Affixing position for the SHEET SPK]



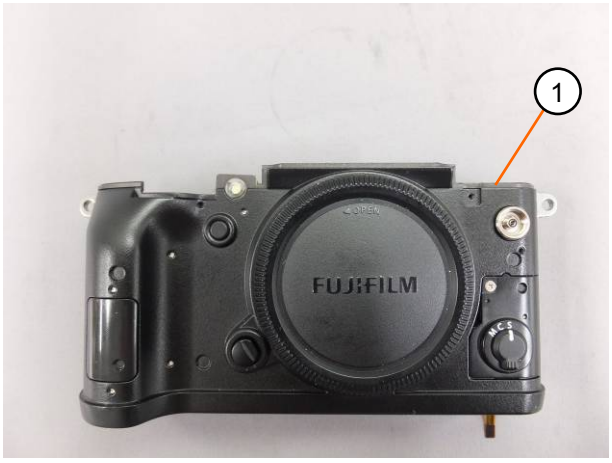
Affix the SHEET SPK on the CASE F as shown in the figure.



[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-16. Removing the COVER LEFT

(1) Peel off the CUSHION WP F 5.

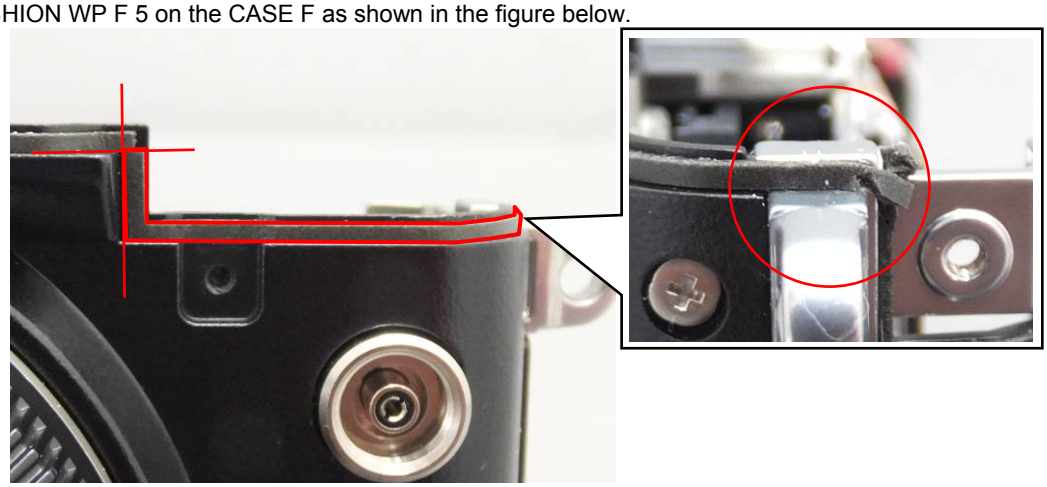


[Notes on Assembly]

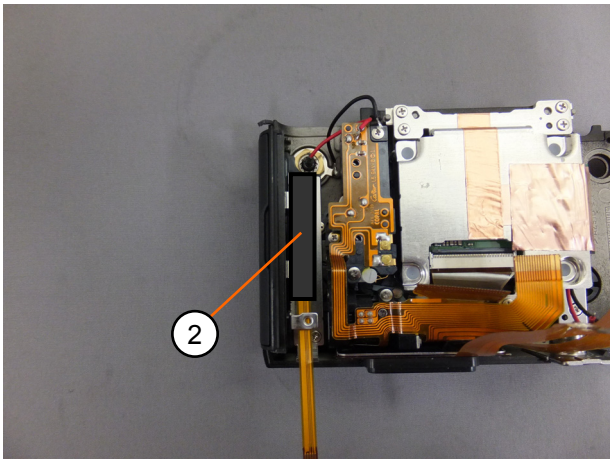
CUSHION WP F 5 is not reusable.

[Affixing position for the CUSHION WP F 5]

Affix the CUSHION WP F 5 on the CASE F as shown in the figure below.



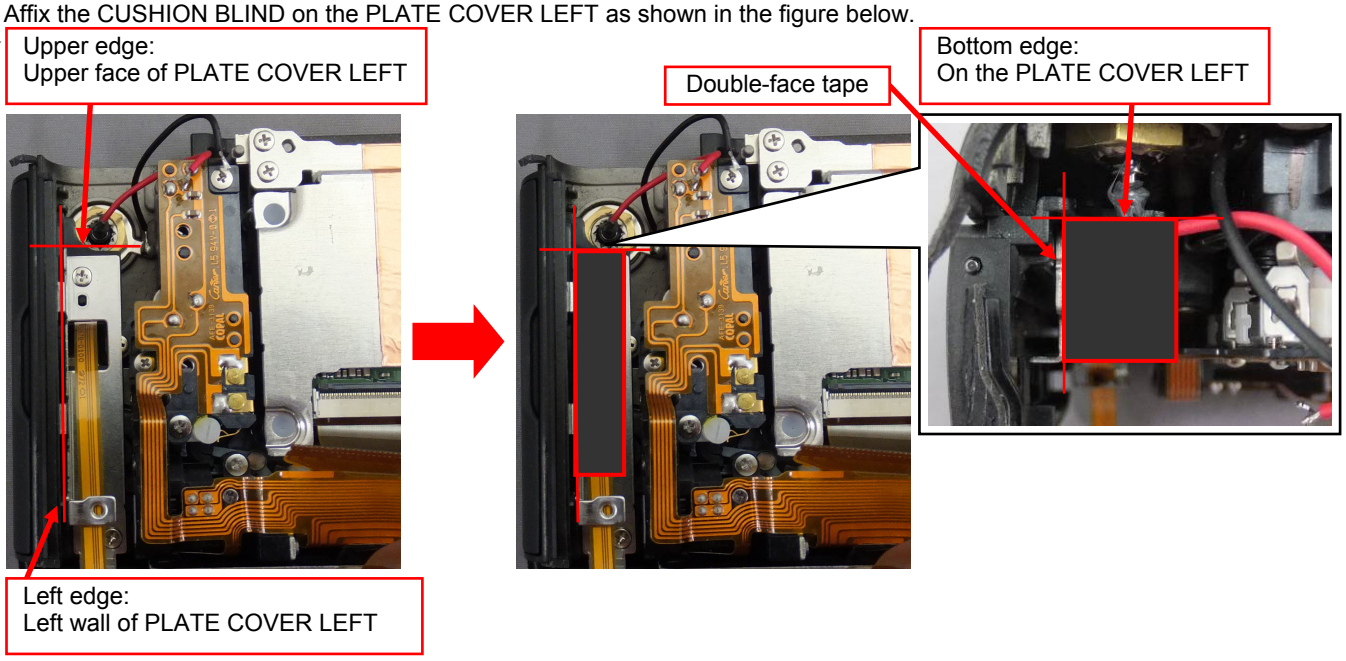
(2) Peel off the CUSHION BLIND.



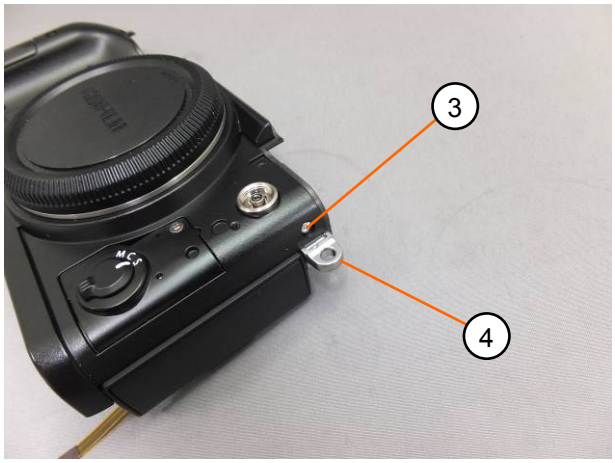
[Notes on Assembly]
CUSHION BLIND is not reusable.

[Affixing position for the CUSHION BLIND]
Affix the CUSHION BLIND on the PLATE COVER LEFT as shown in the figure below.

☆

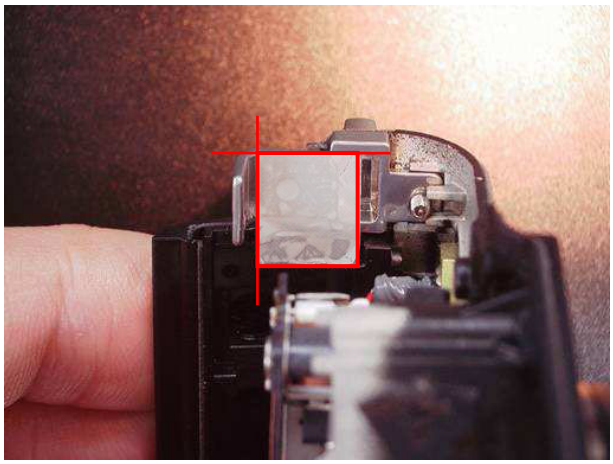


(3) Remove the screw (N-MSGM1.7X4.0).
(4) Remove the CONST STRAP LEFT.



○[Notes on Assembly]
UL TAPE (9X11mm) is not reusable.

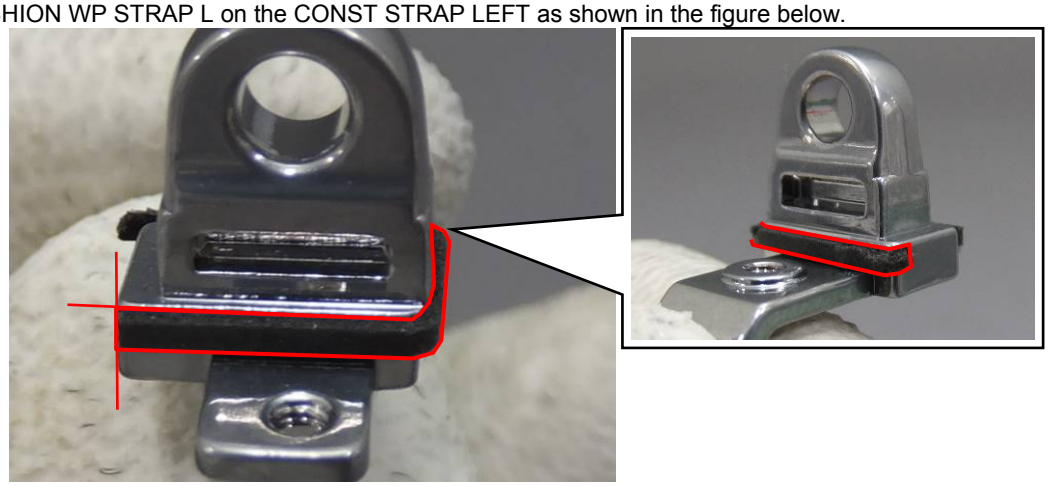
[Affixing position for the UL TAPE (9X11mm)]
Affix the UL TAPE (9X11mm) on the CONST STRAP LEFT as shown in the figure.
UL TAPE (CLEAR): ZS00144-100 (Width: 9mm)



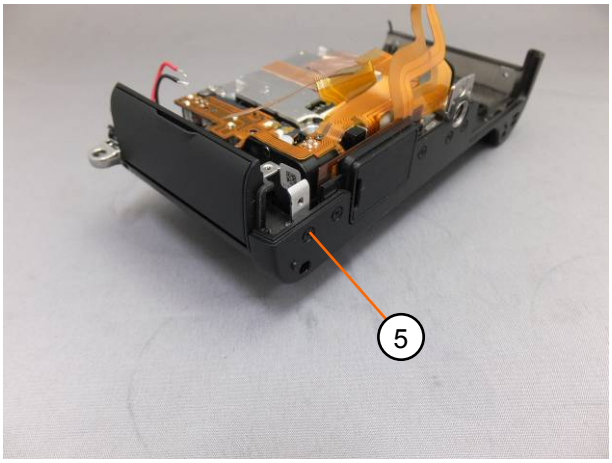
○: Revised
☆: Revised

[Precaution when replacing CONST STRAP LEFT]
CUSHION WP STRAP L is not reusable.

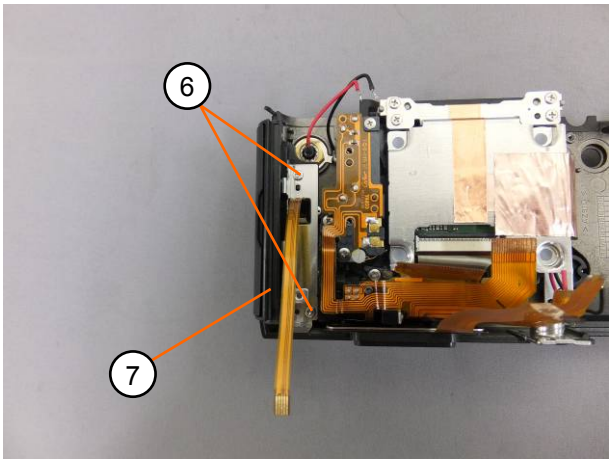
[Affixing position for the CUSHION WP STRAP L]
Affix the CUSHION WP STRAP L on the CONST STRAP LEFT as shown in the figure below.



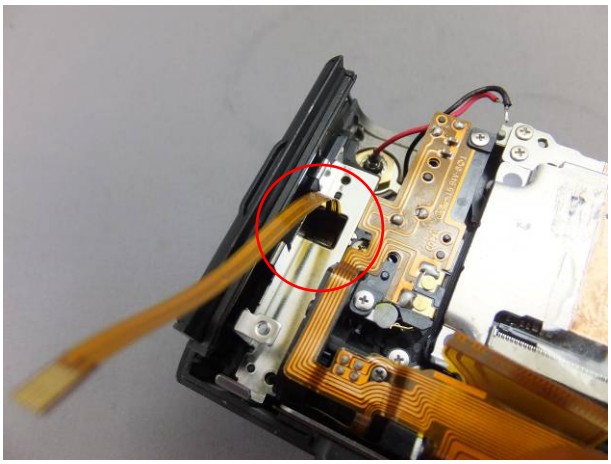
(5) Remove the screw (MSEM1.7X4.0H).



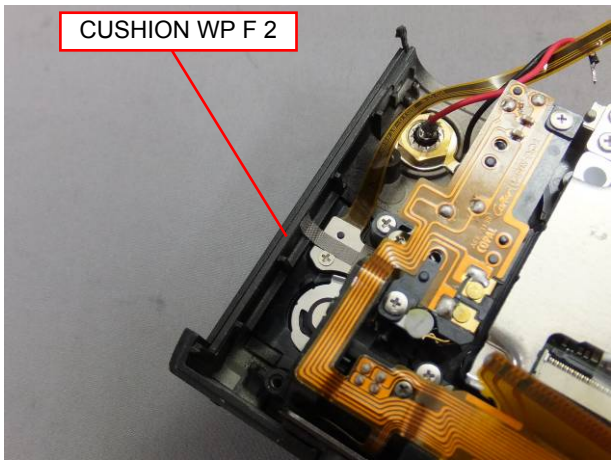
(6) Remove the 2 screws (MS2M1.7X4.0).
(7) Remove the COVER LEFT.



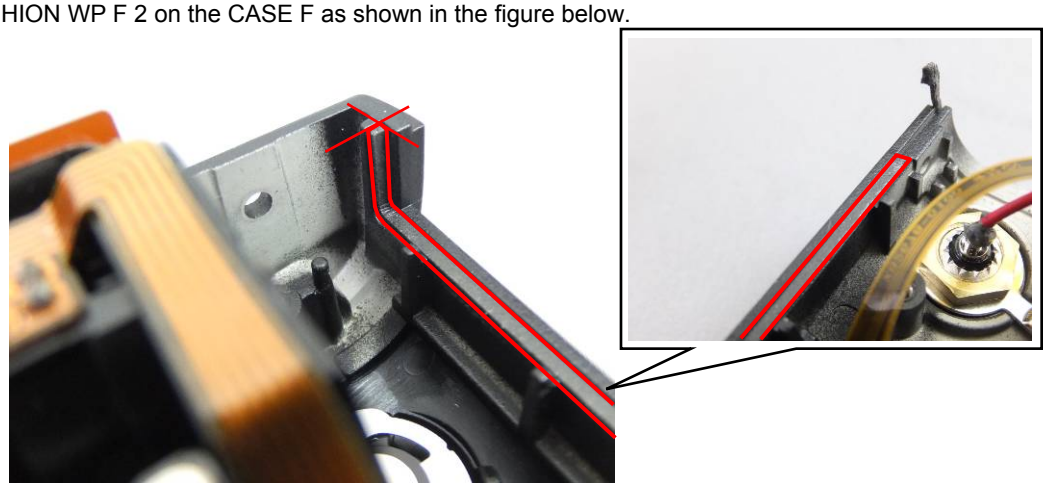
[Notes on Assembly]
Be careful for the layout of the FPC.



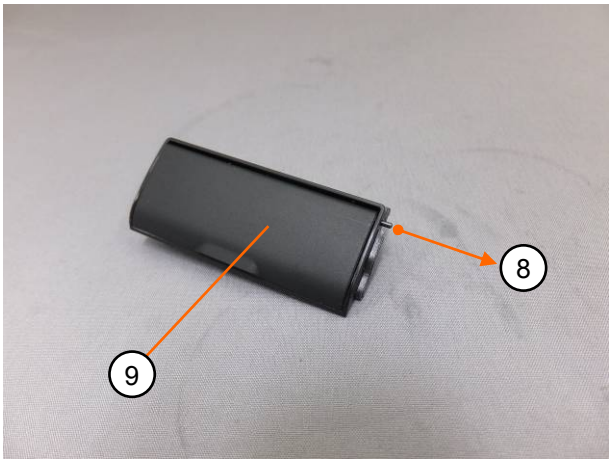
[Affixing position for the CUSHION WP F 2]



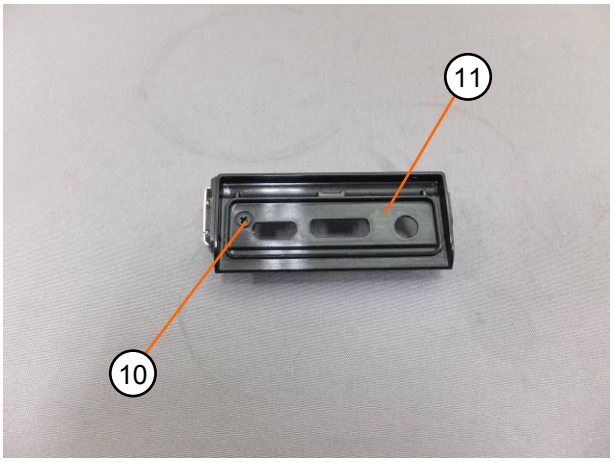
Affix the CUSHION WP F 2 on the CASE F as shown in the figure below.



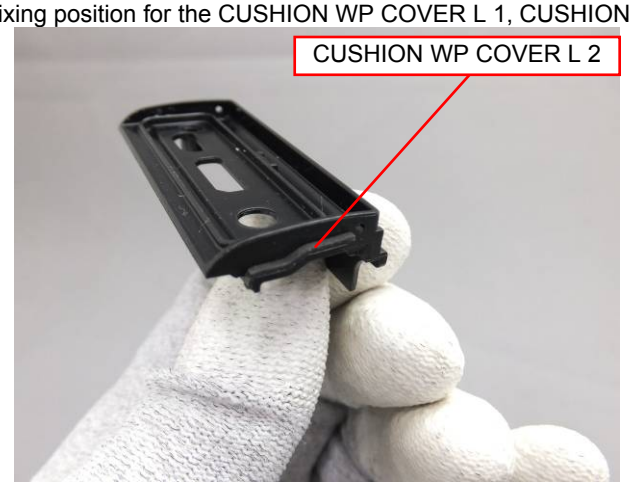
(8) Remove the SHAFT COVER JACK in the direction of the arrow.
(9) Remove the COVER JACK.



(10) Remove the screw (MSEM1.7X4.5H).
(11) Remove the COVER LEFT.

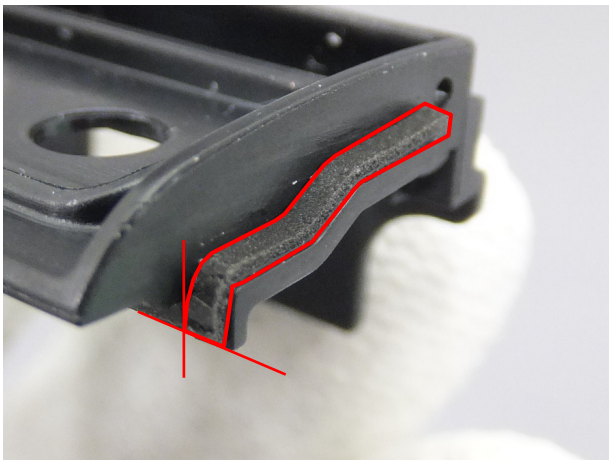


[Affixing position for the CUSHION WP COVER L 1, CUSHION WP COVER L 2 and CUSHION WP COVER L 3]

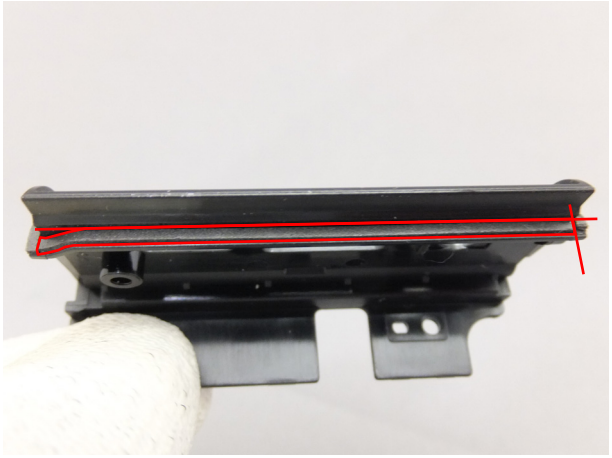




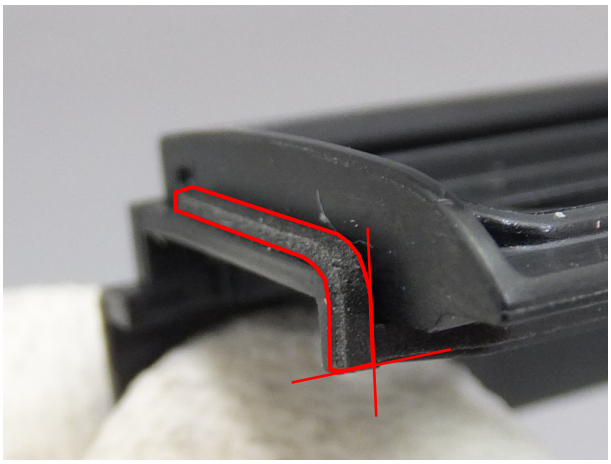
1. Affix the CUSHION WP COVER L 2 on the COVER LEFT as shown in the figure.



2. Affix the CUSHION WP COVER L 1 on the COVER LEFT as shown in the figure.



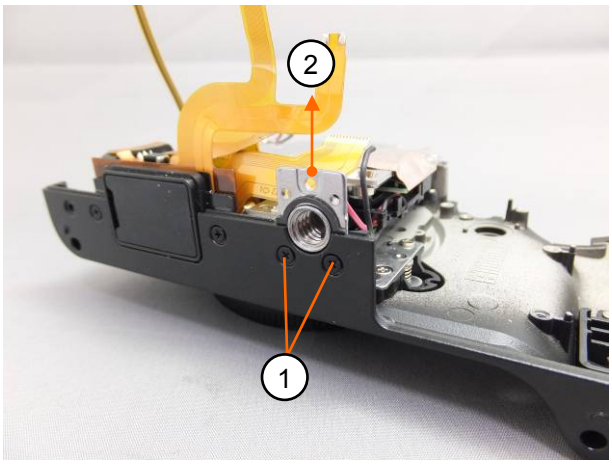
3. Affix the CUSHION WP COVER L 3 on the COVER LEFT as shown in the figure.



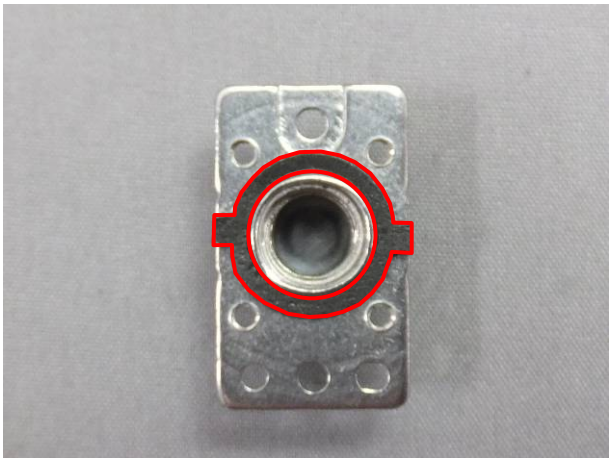
[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-17. Removing the TRIPOD SCREW

(1) Remove the 2 screws (MSEM1.7X2.0H).
(2) Remove the TRIPOD SCREW in the direction of the arrow.



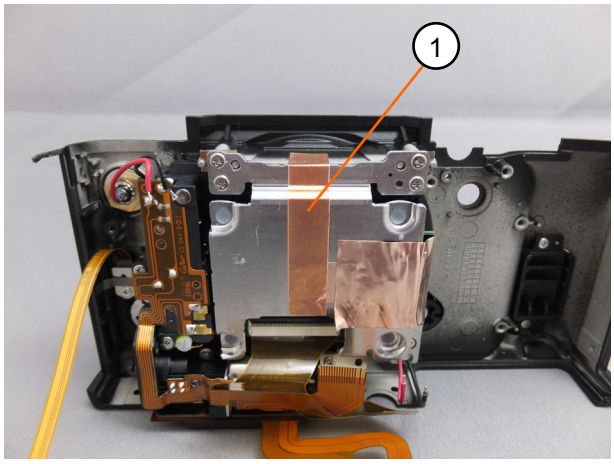
[Affixing position for the CUSHION WP TRIPOD]
Affix the CUSHION WP TRIPOD on the TRIPOD SCREW as shown in the figure.



[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

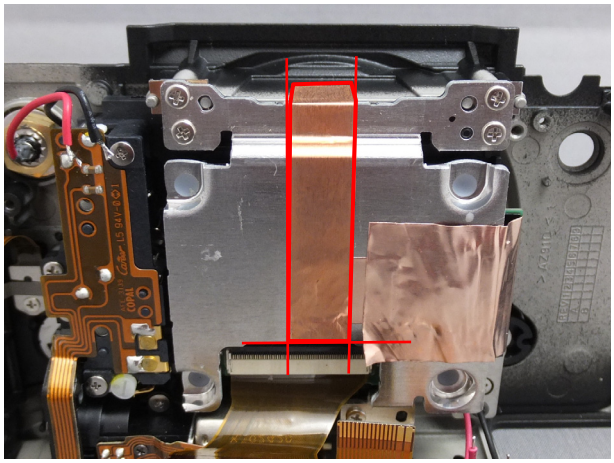
2-18. Removing the FP SHUTTER

(1) Peel off the SHEET CU.

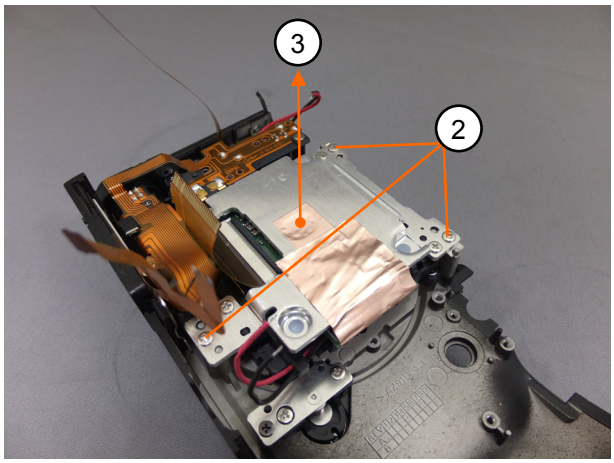


[Notes on Assembly]
SHEET CU is not reusable.

[Affixing position for the SHEET CU]
Affix the SHEET CU on the CONST CMOS-UNIT as shown in the figure.

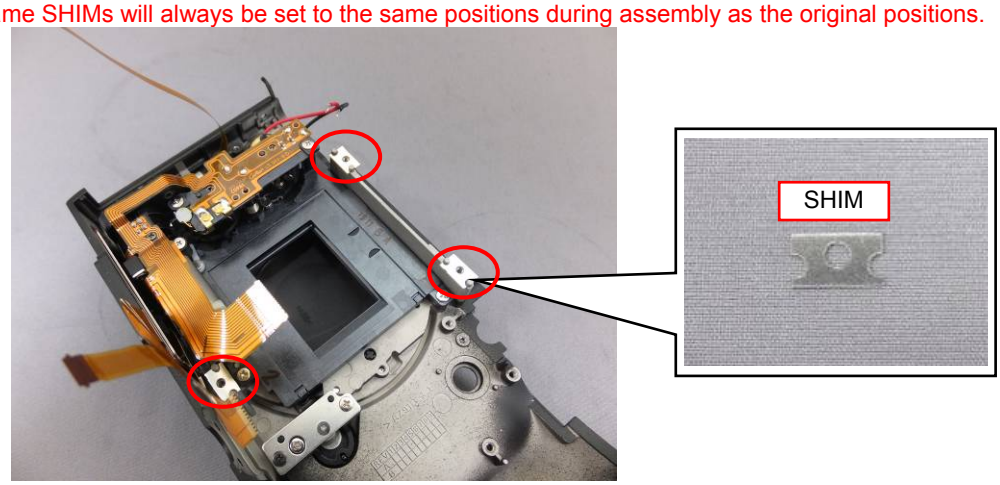


(2) Remove the 3 screws (MS2M1.7X4.0).
(3) Remove the CONST CMOS-UNIT in the direction of the arrow.



[Notes]

- Be careful not to lose the SHIM.
- The thickness and the number of SHIMs vary depending on their positions. Be sure to write down the positions beforehand so that the same SHIMs will always be set to the same positions during assembly as the original positions.

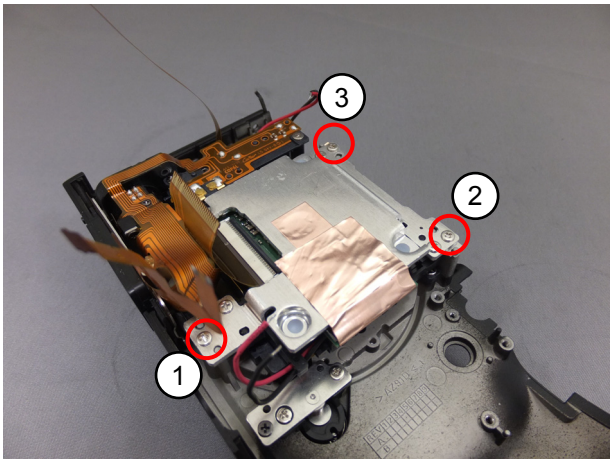


●[Notes on Assembly]

~~Tight the screws in the order show in the right picture.~~

1. Tight the screws in the order show in the right picture.

[Tightening torque when assembly]
10N•cm



●: Revised

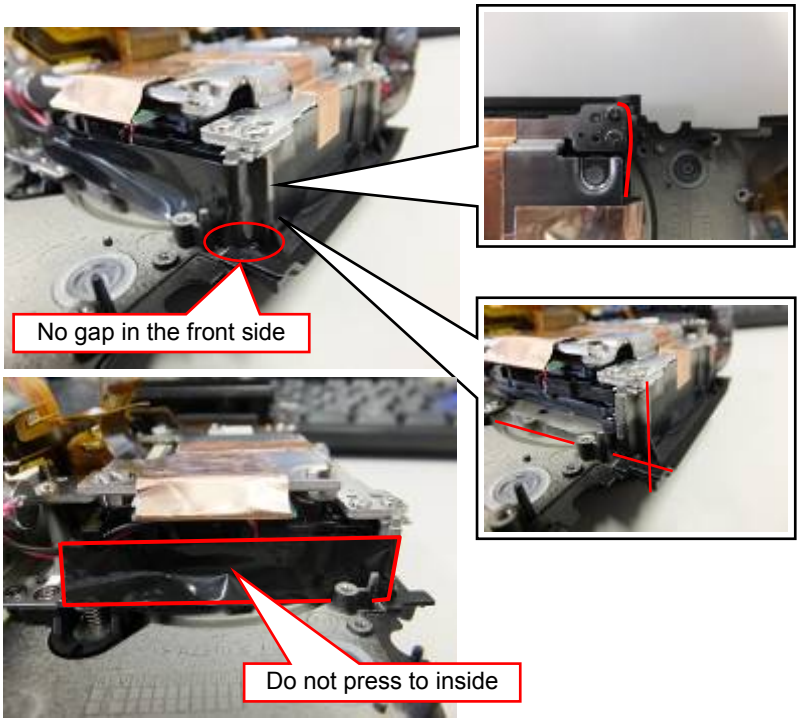
2. ~~UL TAPE (10X50mm) is not reusable.~~

○ **SHEET SHADE1 and UL TAPE (9X20mm) are not reusable.**

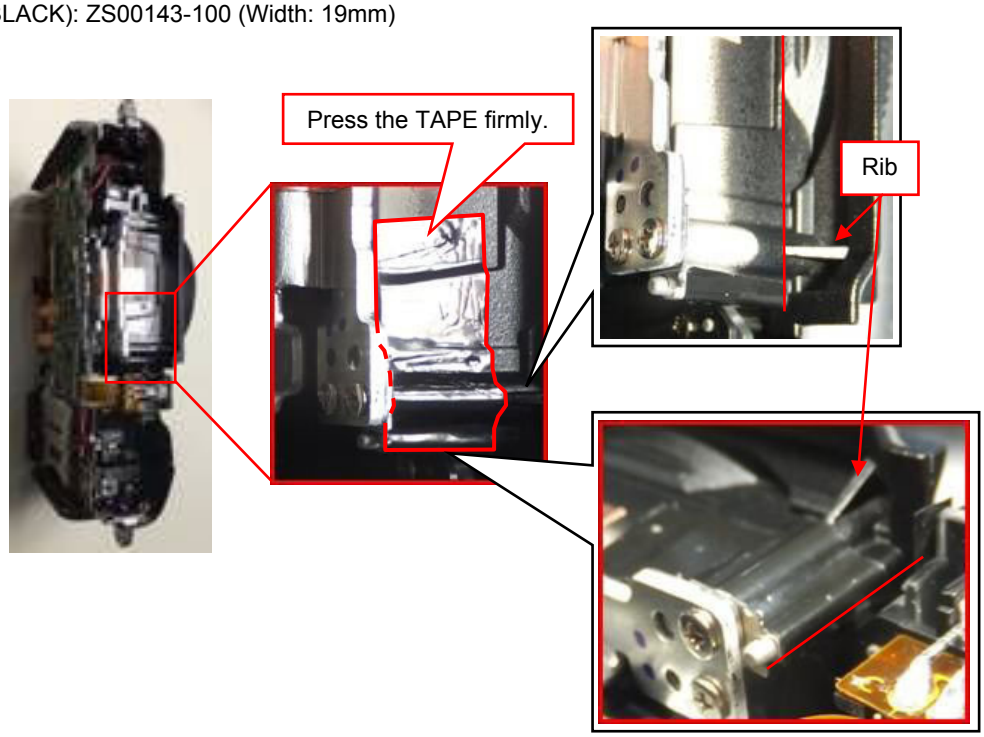
~~[Affixing position for the UL TAPE (10X50mm)]~~
~~Affix the UL TAPE (10X50mm) on the CONST CMOS-UNIT as shown in the figure.~~
~~UL TAPE (BLACK): ZS00143-100 (Width: 19mm)~~

○[Affixing position for the SHEET SHADE1 and UL TAPE (9X20mm)]

1. Affix the SHEET SHADE1 on the CONST CMOS-UNIT as shown in the figure.

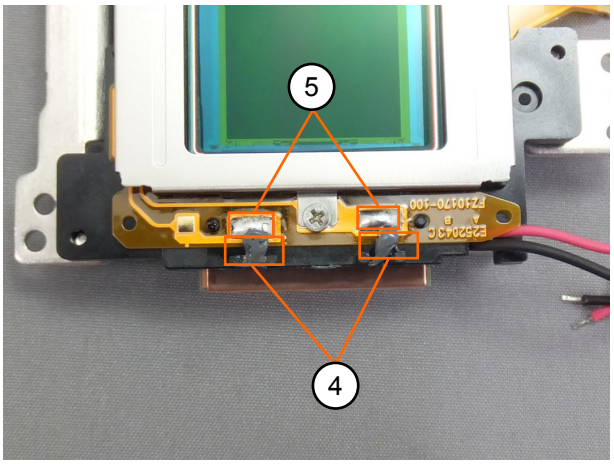


○2. Affix the UL TAPE (9X20mm) on the CASE F as shown in the figure below.
UL TAPE (BLACK): ZS00143-100 (Width: 19mm)

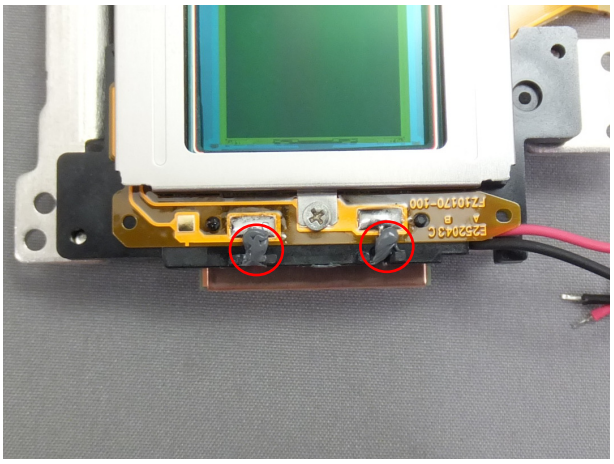


○: Revised

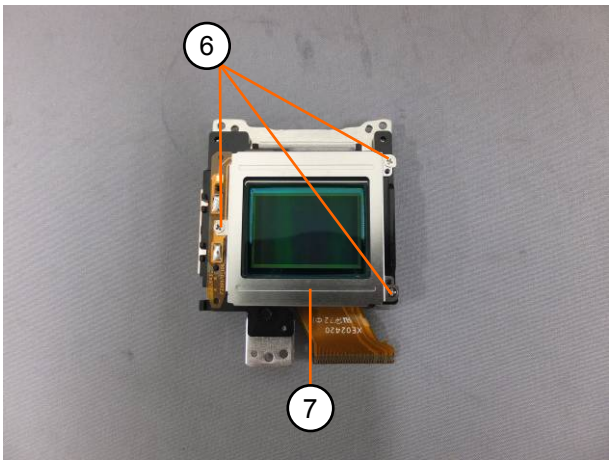
(4) Peel off the bond.
(5) Remove 2 solders.



[Notes on Assembly]
Apply the bond to the HARNESS DR as shown in the figure.
UL Bond SC950: ZS00126-100



(6) Remove the 3 screws (PS2AM1.4X2.5).
(7) Remove the PLATE GLASS-SUPPORT.



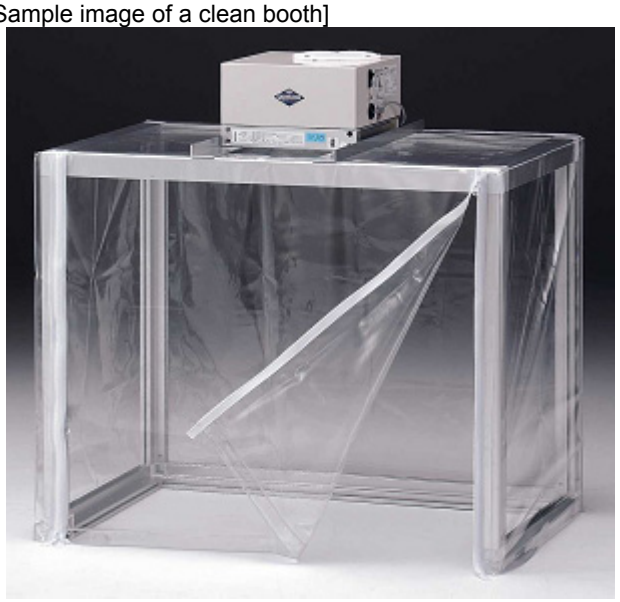
[Notes]

When disassembling the CMOS UNIT, disassemble it in a clean booth.

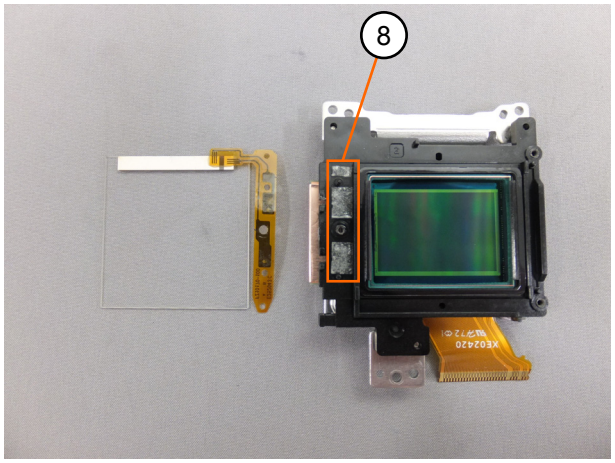
Compliant with ISO class3 (0.3µm 100pcs/m^3) or better.

* Must clean up inside of the clean booth first before you start clean up lenses.

[Sample image of a clean booth]

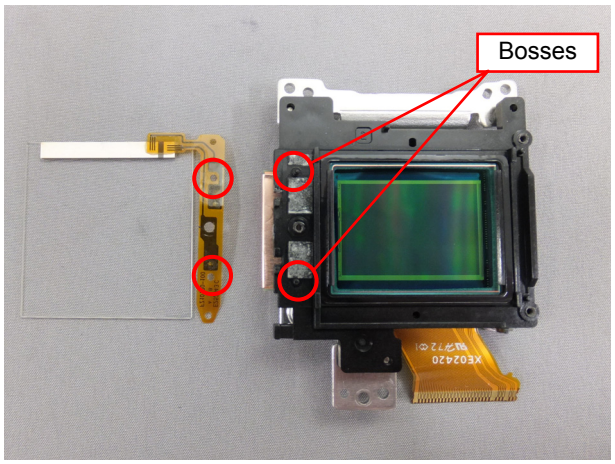


(8) Peel off the TAPE FPC and TAPE FPC-MT and then remove the DR GLASS UNIT.



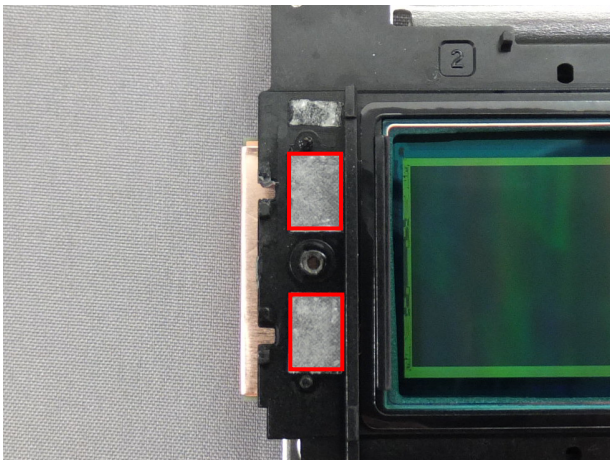
[Notes on Assembly]

1. Check the bosses to determine the position of the DR GLASS UNIT.

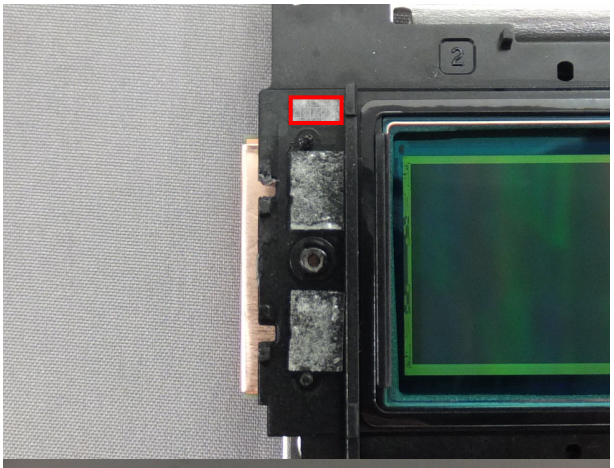


2. **TAPE FPC and TAPE FPC-MT are not reusable.**

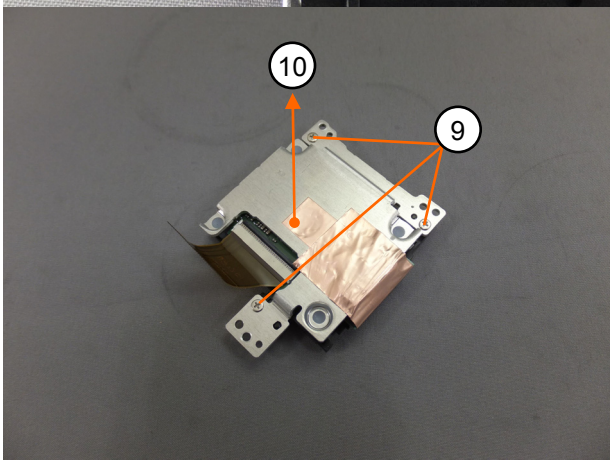
[Affixing position for the TAPE FPC]
Affix the TAPE FPC on the CONST CMOS-UNIT as shown in the figure.



[Affixing position for the TAPE FPC-MT]
Affix the TAPE FPC-MT on the CONST CMOS-UNIT as shown in the figure.

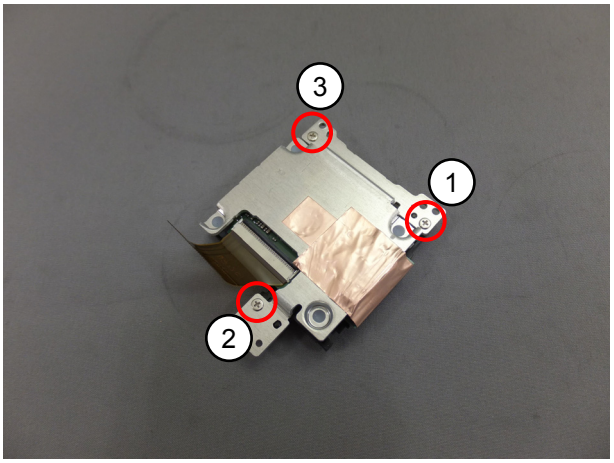


(9) Remove the 3 screws (BT2M1.7X3.5).
(10) Remove the CMOS UNIT in the direction of the arrow.



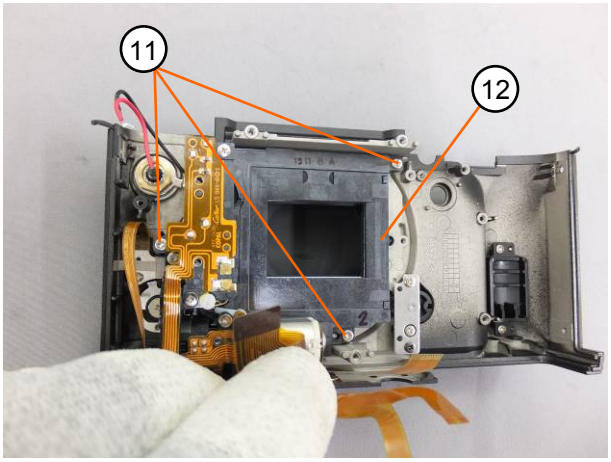
[Notes on Assembly]
Tight the screws in the order show in the right picture.

[Tightening torque when assembly]
7N•cm



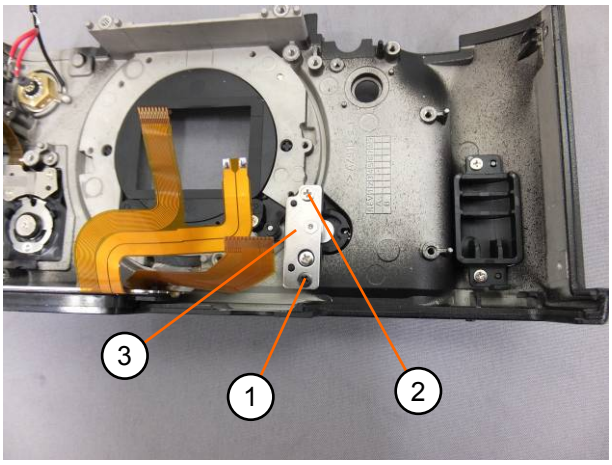
(11) Remove the 3 screws (MS2M1.7X4.0).
(12) Remove the FP SHUTTER.

[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

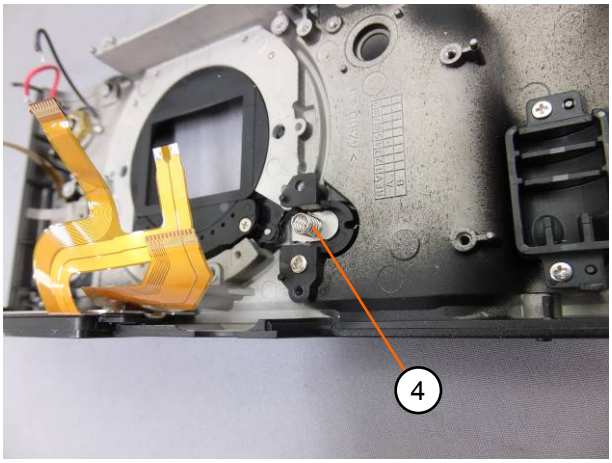


2-19. Removing the HOLDER MOUNT ASSY

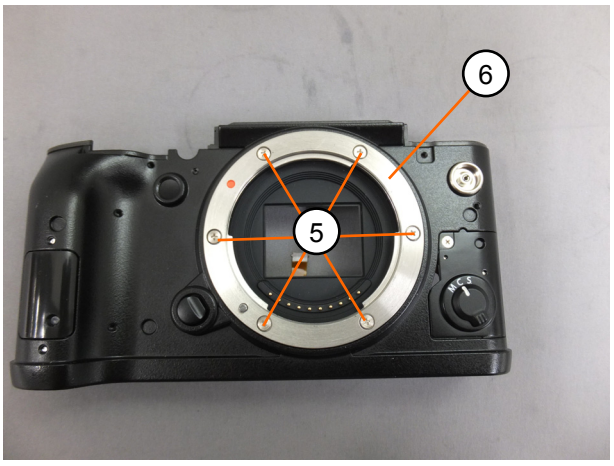
(1) Remove the screw (BT2M1.7X3.0B).
(2) Remove the screw (MS2M1.7X3.0).
(3) Remove the ASSY PLATE HOLDER M.



(4) Remove the CSP MOUNT-LOCK.

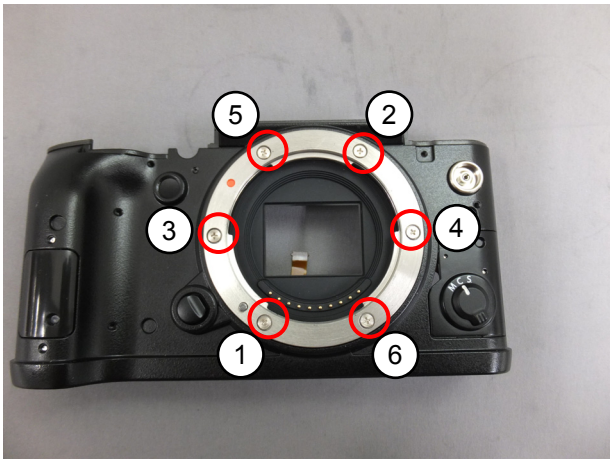


(5) Remove the 6 screws (MS7M1.7X6.0).
(6) Remove the MOUNT RING.

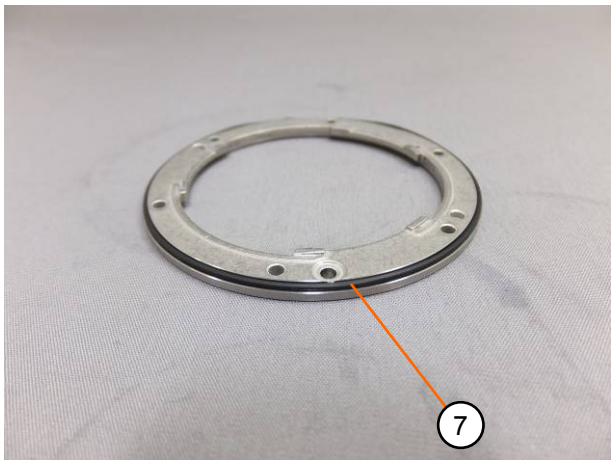


[Notes on Assembly]
Tight the screws in the order show in the right picture.

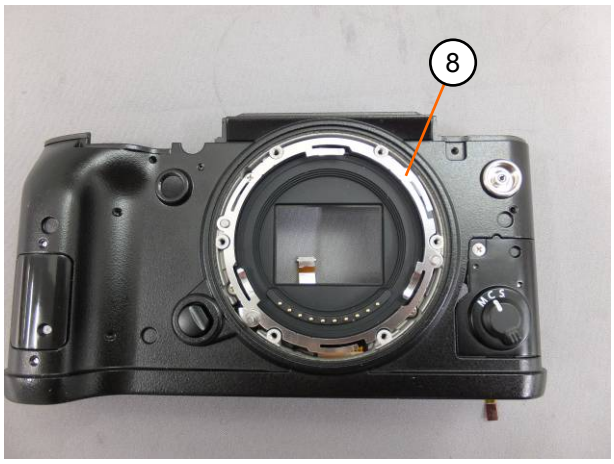
[Tightening torque when assembly]
18N•cm



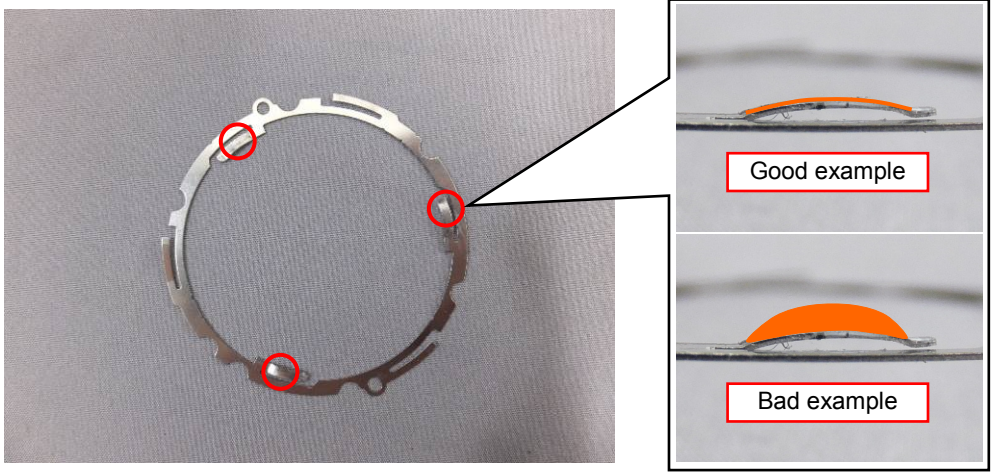
(7) Remove the O RING C.



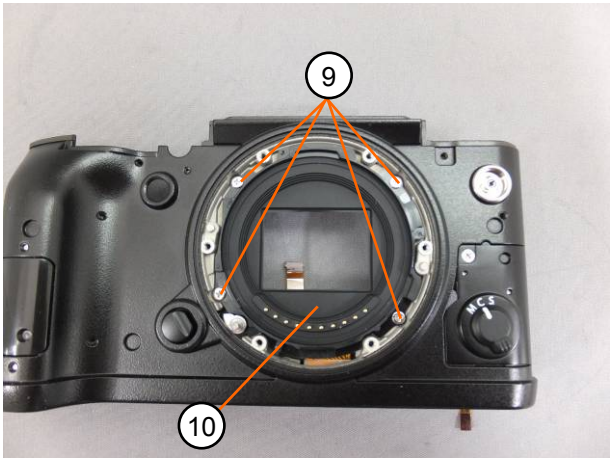
(8) Remove the PSP MOUNT.



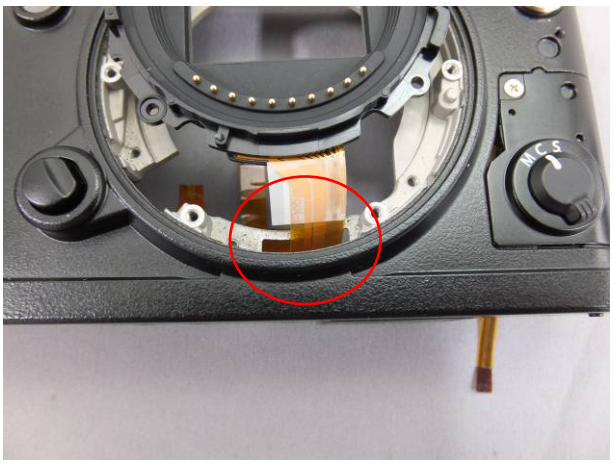
[Notes on Assembly]
Be sure to apply the lubricant to the PSP MOUNT.
Lubricant: ZS00185-100 (HI-LUBE FG-600T)



(9) Remove the 4 screws (MS2M1.7X4.0).
(10) Remove the HOLDER MOUNT ASSY.

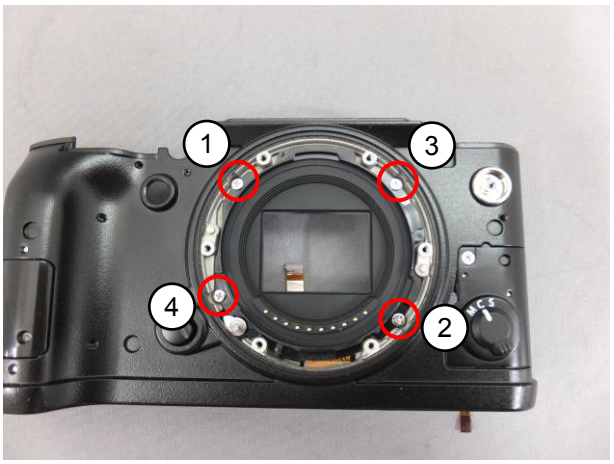


[Notes on Assembly]
1. Be careful for the layout of the FPC.

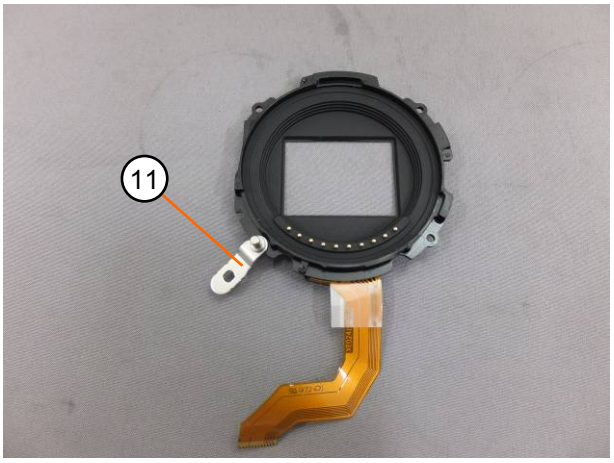


2. Tight the screws in the order show in the right picture.

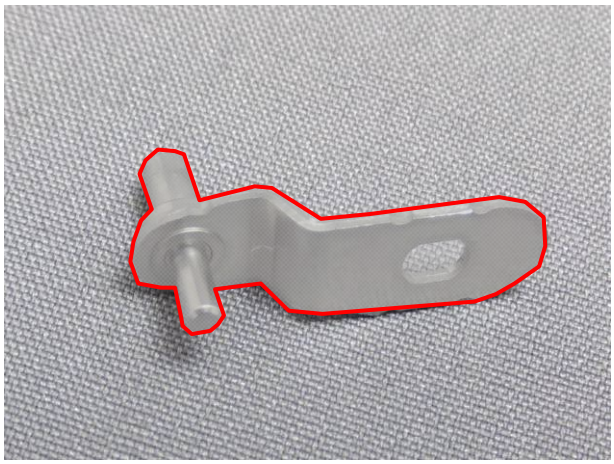
[Tightening torque when assembly]
10N•cm



(11) Remove the MOUNT LOCK.

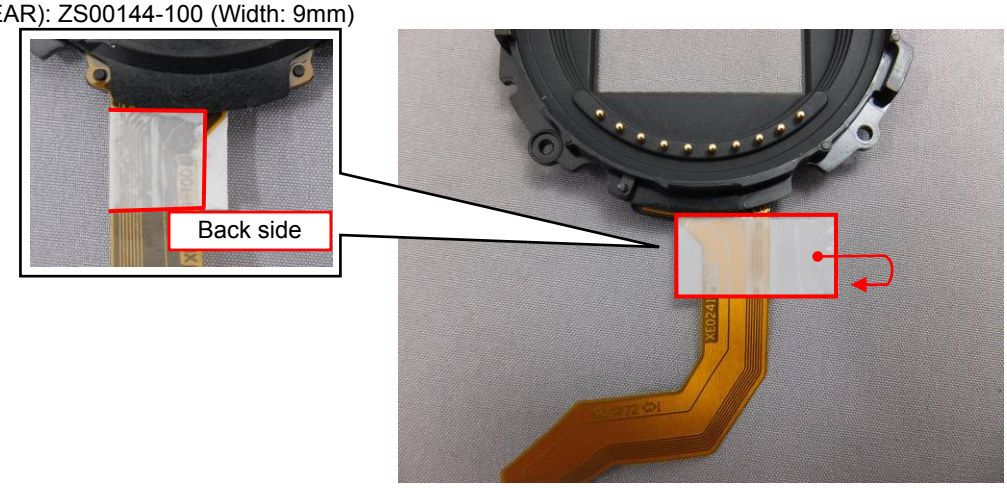


[Notes on Assembly]
Be sure to apply the lubricant to the MOUNT LOCK.
Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))



[Precaution when replacing HOLDER MOUNT ASSY]
UL TAPE (9X20mm) is not reusable.

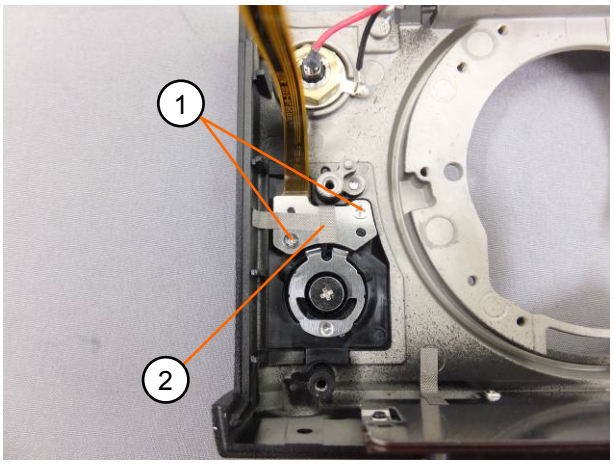
[Affixing position for the UL TAPE (9X20mm)]
Affix the UL TAPE (9X20mm) on the HOLDER MOUNT ASSY as shown in the figure below.
UL TAPE (CLEAR): ZS00144-100 (Width: 9mm)



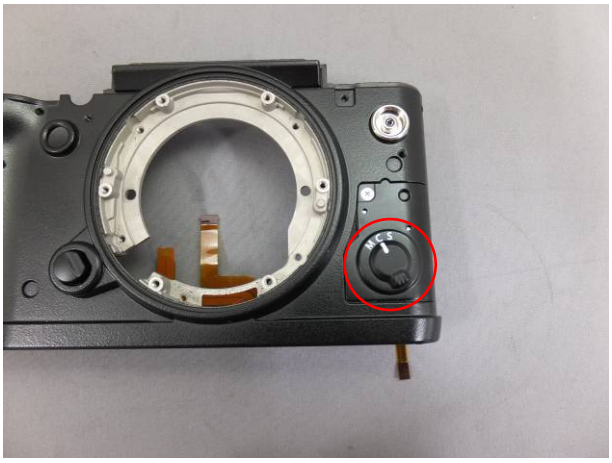
[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-20. Removing the AF_FPC ASSY and the FPC BOTTOM ASSY

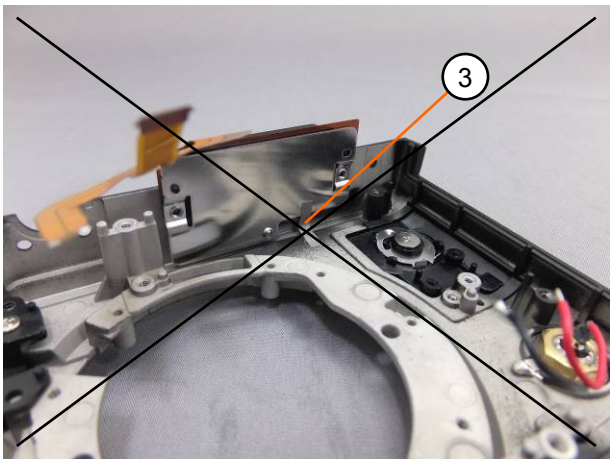
(1) Remove the 2 screws (PS2AM1.4X2.5).
(2) Remove the AF_FPC ASSY.



[Notes on Assembly]
When you assemble “AF_FPC ASSY”, set the focus mode selector to “C”.

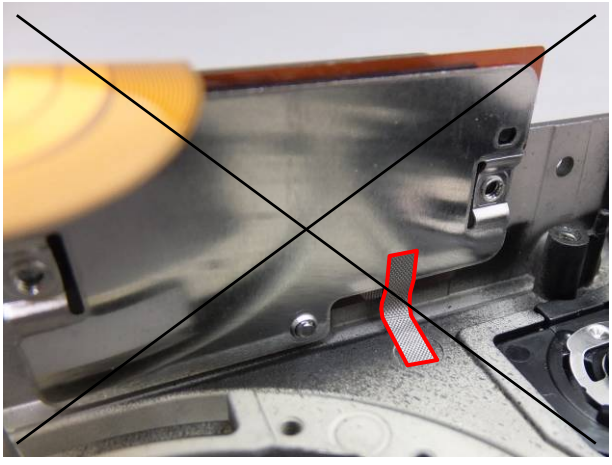


☆ ~~(3) Peel off the SHEET ESD LENS.~~



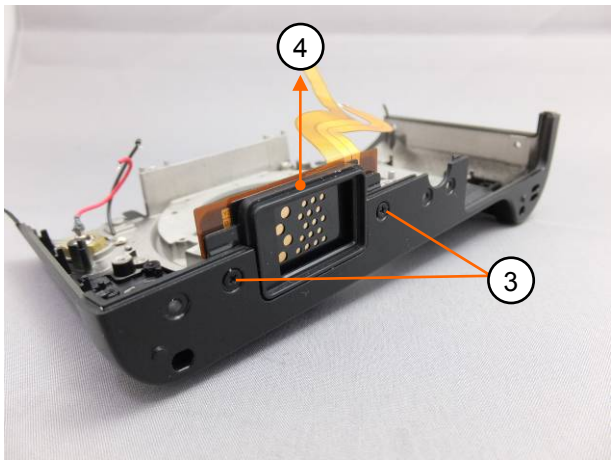
☆ ~~[Notes on Assembly]~~
~~**SHEET ESD LENS is not reusable.**~~

~~[Affixing position for the SHEET ESD LENS]~~
~~Affix the SHEET ESD LENS on the CASE F as shown in the figure.~~

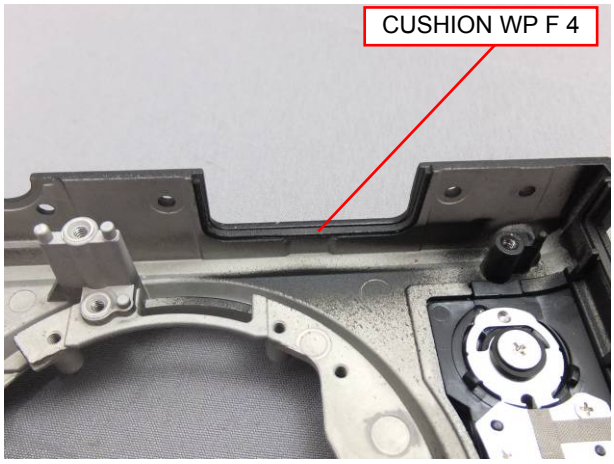


☆: Revised

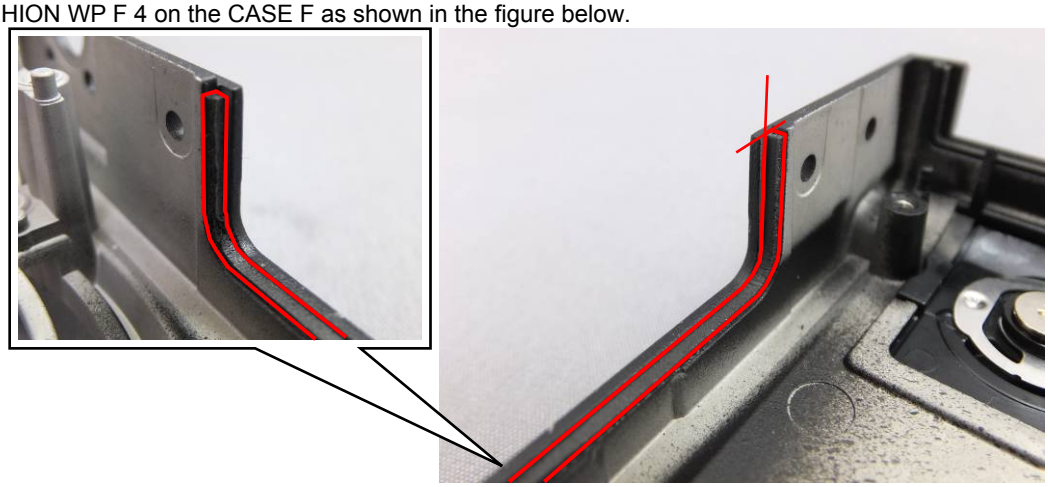
(3) Remove the 2 screws (MSEM1.7X4.0H).
(4) Remove the FPC BOTTOM ASSY in the direction of the arrow.



[Affixing position for the CUSHION WP F 4]



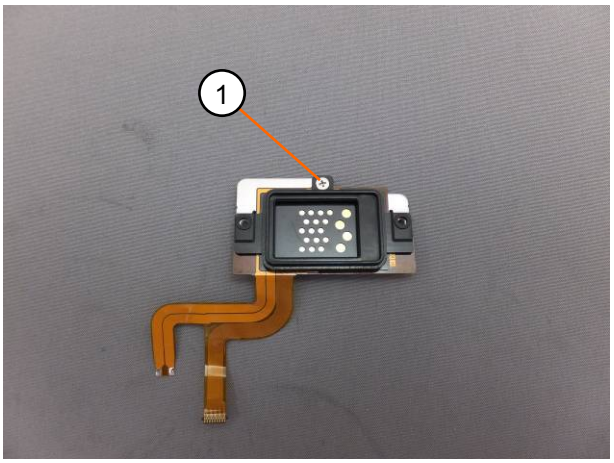
Affix the CUSHION WP F 4 on the CASE F as shown in the figure below.



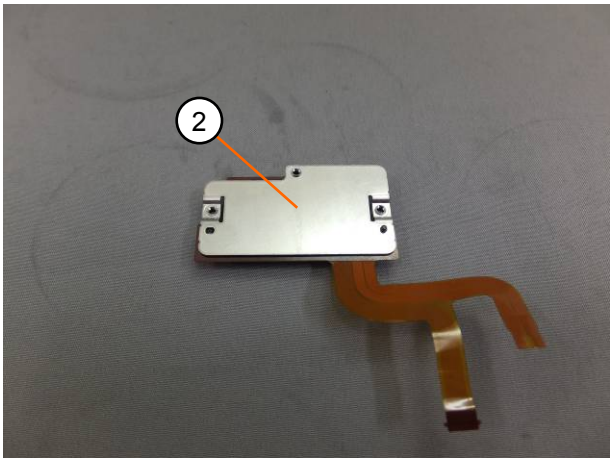
[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-20-1. Disassembling the FPC BOTTOM ASSY

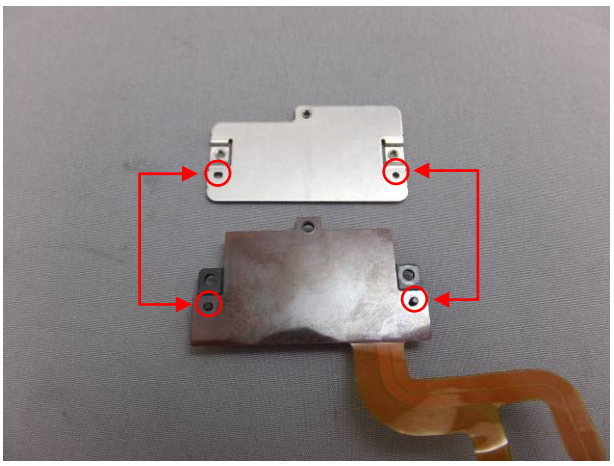
(1) Remove the screw (MSGM1.7X2.5).



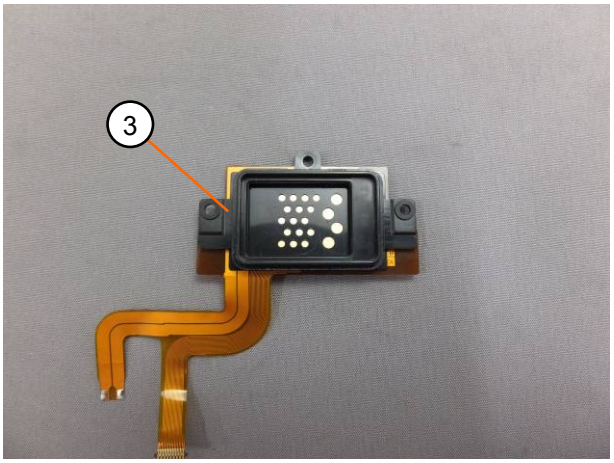
(2) Remove the PLATE FPC BOTTOM.



[Notes on Assembly]
Check the bosses to determine the position of the PLATE FPC BOTTOM.



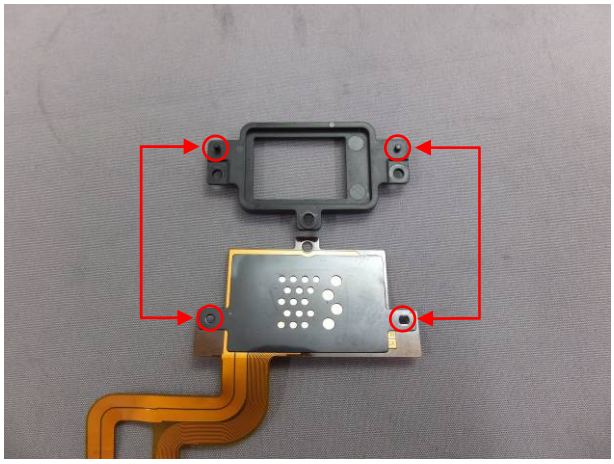
(3) Remove the HOLDER FPC BOTTOM.



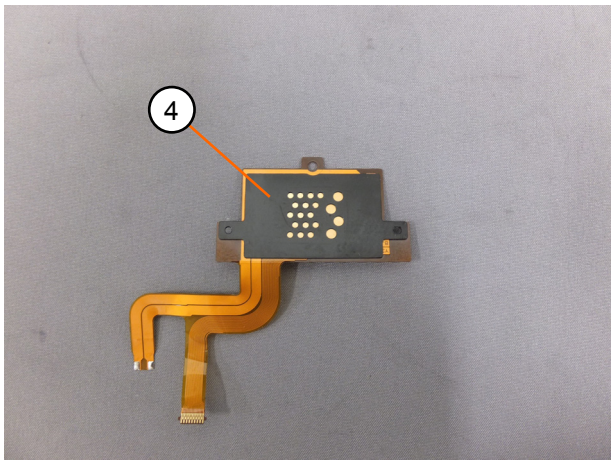
[Notes on Assembly]
1. Be sure to apply the lubricant to the HOLDER FPC BOTTOM.
   Lubricant: ZS00135-200 (CFD-409Z (LUBRICANT))



2. Check the bosses to determine the position of the HOLDER FPC BOTTOM.

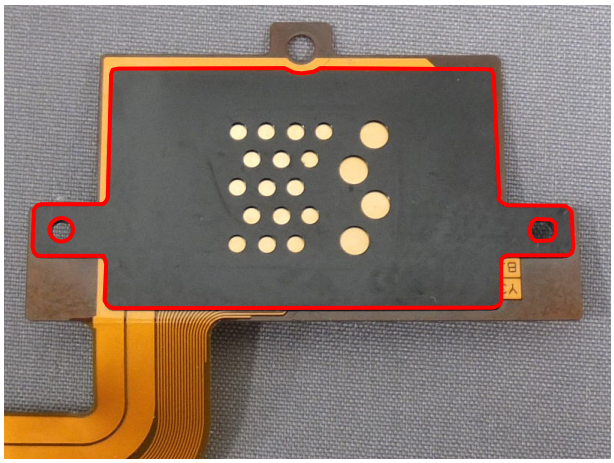


(4) Peel off the SHEET FPC BOTTOM.



[Notes on Assembly]
SHEET FPC BOTTOM is not reusable.

[Affixing position for the SHEET FPC BOTTOM]
Affix the SHEET FPC BOTTOM on the BATT_GRIP FPC as shown in the figure.



[Notes on Assembly]
Assemble procedure is reverse of the disassembly procedure.

2-21. Attaching the GRIP

[Attention]

(1) To remove soiling or dirt from an artificial leather surface, use cleaning liquid containing 76.9 to 81.4 vol% ethanol. Liquid with 81.4 vol% or more ethanol content is not recommended for wiping (cleaning).

(2) Use rubber finger tips, etc. to avoid direct contact to the adhering surface.
Clean the rubber finger tips if your skin contacts the tips, so that oil transferred to the surface of TAPE will not weaken the SHEET adhesion.





(3) To avoid dent and scratches on the GRIP, put SHEET on the GRIP and press it with Grip press tools.

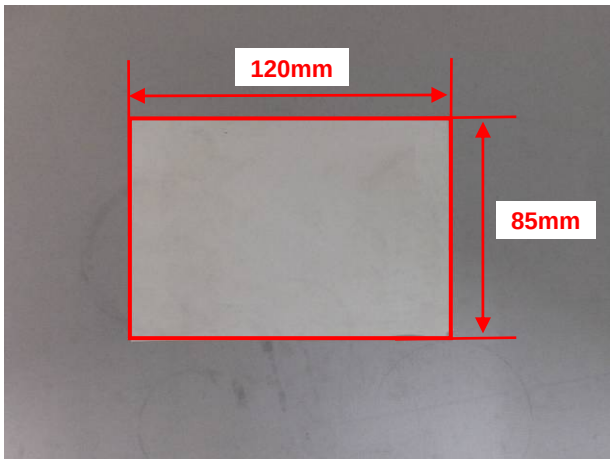
[Grip press tool]

Parts No.	Name	Shape of tip
ZJ01923-100	Grip press tool Type A	
ZJ01924-100	Grip press tool Type B	
ZJ01925-100	Grip press tool Type C	

Parts No.	Name	Shape of tip
ZJ01926-100	Grip press tool Type D	
ZJ01927-100	Grip press tool Type E	

2-21-1. Making SHEET

Make SHEET by using X-A1 PET SHEET.



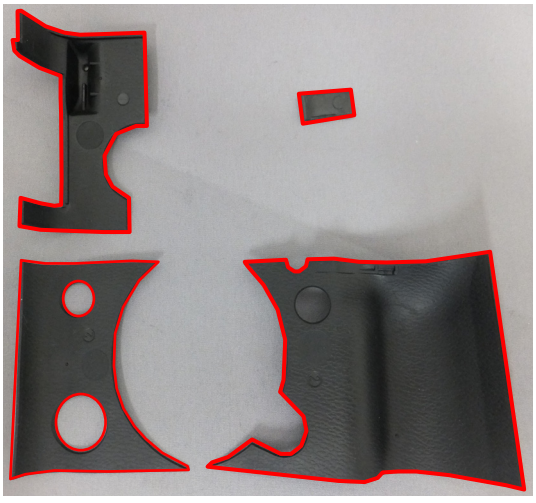
2-21-2. Cleaning GRIP attachment area

(1) Clean GRIP attachment area with cleaning liquid as shown in the figure below.
Be sure to clean sufficiently where indicated.






☐(2) Clean the adhesive surface of the GRIP with cleaning liquid as shown in the pictures.

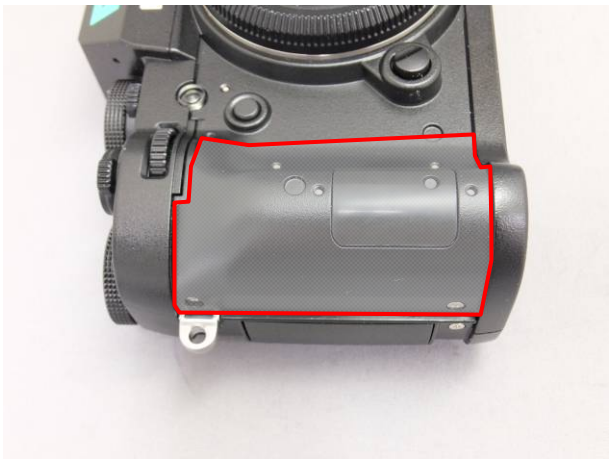


☐: Revised

2-21-3. Attachment of GRIP FRONT R

(1) Affix the TAPE GRIP FRONT R 1 on the CONST ASSY F as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure TAPE GRIP FRONT R 1 does not come to outside of the specified area.



(2) Affix the TAPE GRIP FRONT R 4 on the CONST ASSY F as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure TAPE GRIP FRONT R 4 does not come to outside of the specified area.



(3) Affix the TAPE GRIP FRONT R 2 on the CONST ASSY F as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure TAPE GRIP FRONT R 2 does not come to outside of the specified area.



(4) Affix the TAPE GRIP FRONT R 3 on the CONST ASSY F as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure TAPE GRIP FRONT R 3 does not come to outside of the specified area.



(5) Affix the GRIP FRONT R on the CONST ASSY F as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure GRIP FRONT R does not come to outside of the specified area.



(6) Press the GRIP FRONT R using Grip press tool Type D as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 6 separate steps.



(7) Press the GRIP FRONT R using Grip press tool Type E as shown.

[Notes]
Press it with the SHEET.



(8) Press the GRIP FRONT R using Grip press tool Type E as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 2 separate steps.



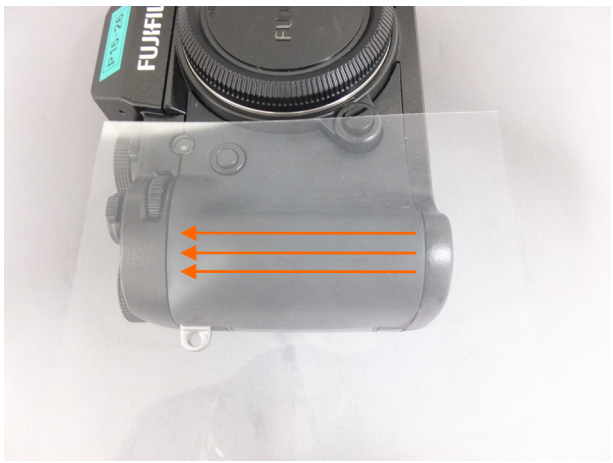
(9) Press the GRIP FRONT R using Grip press tool Type D as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 3 separate steps.



(10) Press the GRIP FRONT R using Grip press tool Type C as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 3 separate steps.



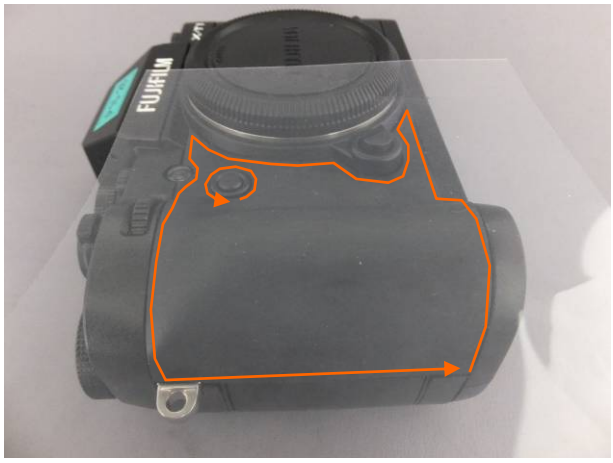
(11) Press the GRIP FRONT R using Grip press tool Type E as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 2 separate steps.



(12) Press the GRIP FRONT R using Grip press tool Type A as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 2 separate steps.
- Be sure to press all the way around.



2-21-4. Attachment of GRIP FRONT L

(1) Affix the TAPE GRIP FRONT L on the CONST ASSY F as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure TAPE GRIP FRONT L does not come to outside of the specified area.



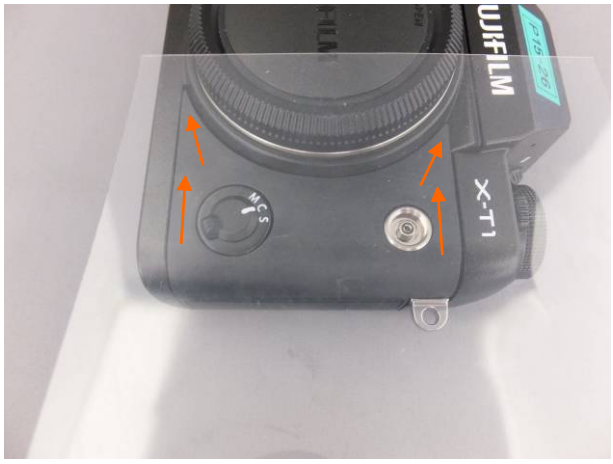
(2) Affix the GRIP FRONT L on the CONST ASSY F as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure GRIP FRONT L does not come to outside of the specified area.



(3) Press the GRIP FRONT L using Grip press tool Type D as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 4 separate steps.



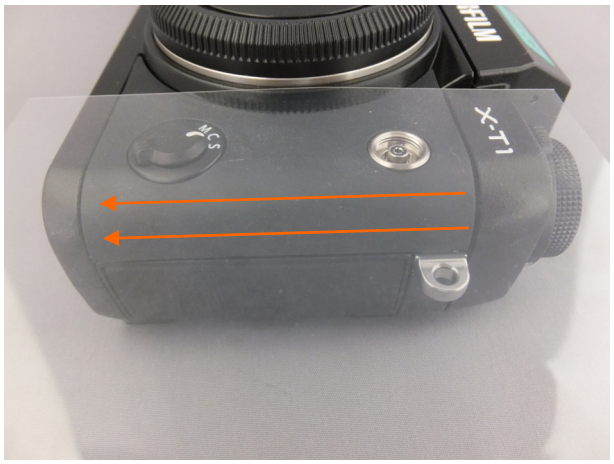
(4) Press the GRIP FRONT L using Grip press tool Type E as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 2 separate steps.



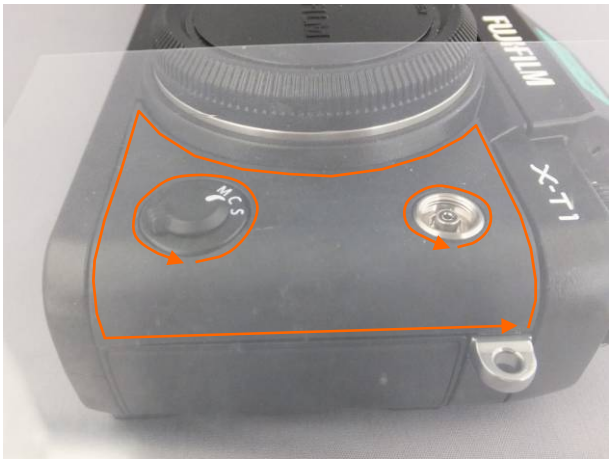
(5) Press the GRIP FRONT L using Grip press tool Type C as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 2 separate steps.



(6) Press the GRIP FRONT L using Grip press tool Type A as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 3 separate steps.
- Be sure to press all the way around.



2-21-5. Attachment of GRIP REAR R

(1) Affix the TAPE GRIP REAR R 1 on the CASE R as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure TAPE GRIP REAR R 1 does not come to outside of the specified area.



(2) Affix the TAPE GRIP REAR R 2 on the CASE R as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure TAPE GRIP REAR R 2 does not come to outside of the specified area.



(3) Affix the TAPE GRIP REAR R 3 on the CASE R as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure TAPE GRIP REAR R 3 does not come to outside of the specified area.



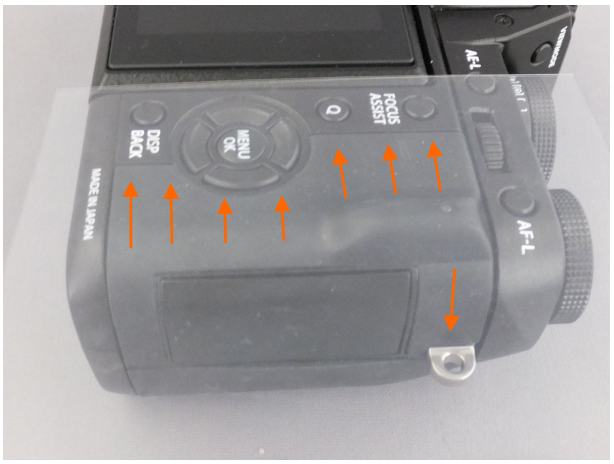
(4) Affix the GRIP REAR R on the CASE R as shown in the figure.

[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure GRIP REAR R does not come to outside of the specified area.



(5) Press the GRIP FRONT L using Grip press tool Type E as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 8 separate steps.



(6) Press the GRIP FRONT L using Grip press tool Type C as shown.

[Notes]
Press it with the SHEET.



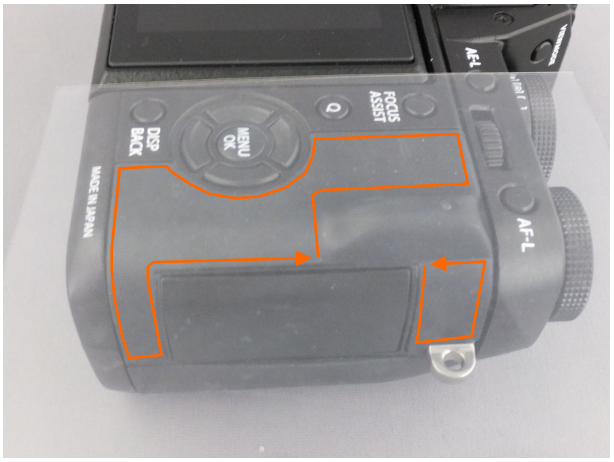
(7) Press the GRIP FRONT L using Grip press tool Type B as shown.

[Notes]
Press it with the SHEET.



(8) Press the GRIP FRONT L using Grip press tool Type A as shown.

[Notes]
- Press it with the SHEET.
- Be sure to press in 2 separate steps.
- Be sure to press all the way around.



2-21-6. Attachment of GRIP REAR L

(1) Affix the TAPE GRIP REAR L on the CASE R as shown in the figure.



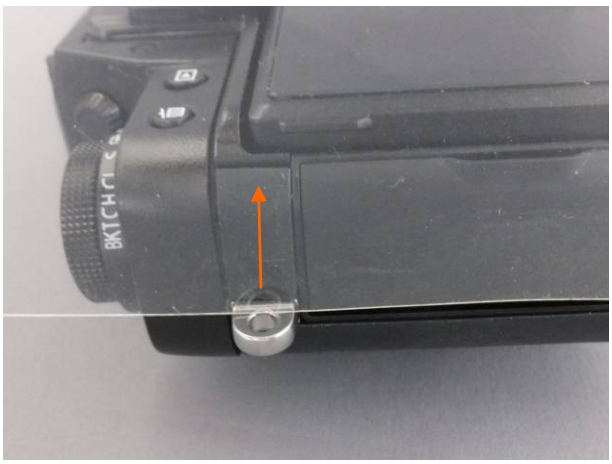
[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure TAPE GRIP REAR L does not come to outside of the specified area.

(2) Affix the GRIP REAR L on the CASE R as shown in the figure.



[Notes]
- Be sure no wrinkles or air pockets form.
- Be sure GRIP REAR L does not come to outside of the specified area.

(3) Press the GRIP REAR L using Grip press tool Type B as shown.



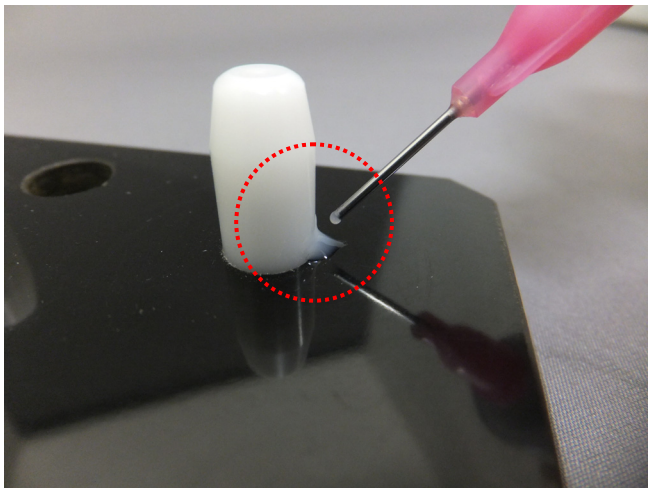
[Notes]
Press it with the SHEET.

2-22. Application of UV adhesive

<Step 1>

Apply UV adhesive U-2018G by using SYRINGE SS05SZ and NEEDLE SH20-B.

- UV adhesives U-2018G: ZS00188-100
- SYRINGE SS05SZ: ZS00186-100
- NEEDLE SH20-B: ZS00187-100

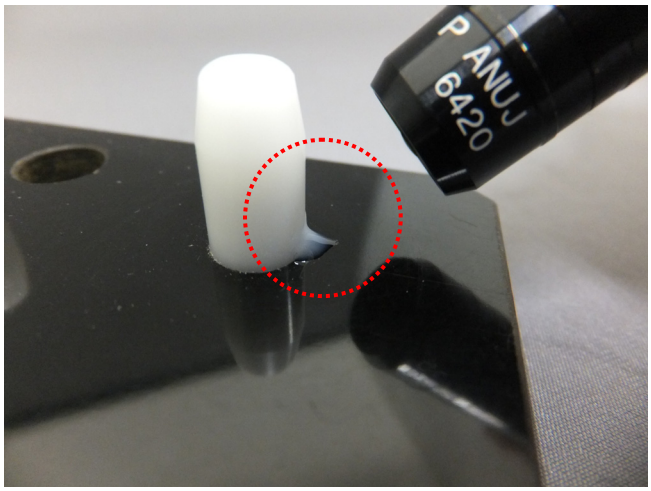


<Step 2>

Irradiate where the UV adhesives U-2018G have been applied for 10 seconds.

[Notes]

Be sure to wear UV SAFETY GOGGLES when working.



3. Adjustments

3-1. Important notice before adjustment (for models which have internal memory)

3-1-1. The handling of image files in internal memory

Image files stored in the internal memory should be handled as described below. Be careful not to erase the image files.

<How to handle images>

If the following works are necessary, as many image files as possible should be extracted from the camera's internal memory and then written into the internal memory before the camera return to a customer.

1. When a camera is swapped.
2. When the MAIN PWB ASSY is replaced.
   ---> "Firmware Download" is required.
   (When "MAIN PWB Initialize" is conducted, the "Flash memory reset" will be also conducted and then the internal memory will be formatted.)

*** Note**

For PTP-connected cameras, carry out the procedure in "ii. Procedure for PTP-connected cameras and images that cannot be downloaded to a PC".

<Image file transfer procedure>

I. Procedure when images can be transferred to a PC.
   * If an memory card is inserted, data in the internal memory cannot be backed up.

(1) Back up images stored in the internal memory.
- Create a folder (name and locate it so as to avoid any confusion with the user's images).
- Without inserting a memory card, connect the camera to the PC and copy the image files in the removable disk recognized by the PC to the folder created in the previous step.
- Check if the images will appear correctly on the PC.

(2) Return the backed up image files from the PC to the camera.
- Turn the camera on without a memory card inserted and format the camera's internal memory.
- Without inserting a memory card, connect the camera to the PC and copy the image files from the folder containing the images backed up in the previous step to the removable disk recognized by the PC.
- Check if the images will appear correctly on the camera.
- Delete the backup files created on the PC in step (1) (the user's image files).

II. Procedure when images cannot be transferred to a PC.

(1) Back up the images stored in internal memory.
- Insert a memory card to be used for image backup into the camera and format the card.
- From the SETUP menu, set the "FRAME NO." to "RENEW".
- Select image copying from the playback menu, and "Camera -> Card" for all the frames and then copy the images.
- Check if the images will appear correctly on the camera.

(2) Return the backed up image files from the memory card to the camera.
- Before inserting the card, format the camera's internal memory.
- Insert the memory card containing the backed up copies of the user's image files.
- From the SETUP menu, set the "FRAME NO." to "RENEW".
- Select image copying from the playback menu, and "Card -> Camera" for all the frames and then copy the images.
- Remove the memory card and check that the images can be displayed correctly on the camera.
- From the SETUP menu, set the "FRAME NO." to "CONTINUOUS".
- If the image file numbers have changed, always notify the user that the image file numbers have changed.

III. Procedure in case that PTP-connected cameras and images cannot be transferred to a PC.
   (If images can be backed up only to a PC, follow the procedure II. to back up images.)

(1) Back up the images stored in the camera's internal memory.
- Create a folder (name and locate it so as to avoid any confusion with the user's images).
- Without inserting a memory card, connect the camera to the PC and check the image files in the camera on the PC. Then copy those files to the folder created in the previous step.
- Check if the images will appear correctly on the PC.

(2) Return the backup image files from the PC to the camera.
- Without inserting a memory card, turn the camera on and format the internal memory.
- Using a card reader or similar device, recognize the memory card used for image file backup to your PC.
- Copy the image files from the backup folder in the previous step to the "DCIM\100_FUJI\" folder in the backup memory card.
- Remove the backup memory card from your PC with proper method not to lose any images.
- Put the backup memory card into the camera.
- Select "Copy image" in the Playback menu, and all the frames in "Card -> Camera" and then copy the images.
- Remove the memory card and check if the images will appear properly.
- Delete the backup files (user image files) created on the PC in step (1).

3-1-2. Adjustment when replacing major parts

<Note>
Depending on the temperature inside the camera (approx. 15°C or below or 50°C or above), “Temperature NG” error could occur during X-T1 adjustment.
When a “Temperature NG” error occurs, turn the camera off and leave it for a short time before resuming the adjustments. Check the ambient temperature because this can also influence the procedure.

Adjust the item shown by “O” in the table below in case of replacing MAIN PWB ASSY, CONST ASSY FRONT, FP SHUTTER, EVF and WLAN MODULE (If you replace parts other than those parts, adjustment is not required).

No.	Adjustment item \ Replaced parts	MAIN PWB ASSY	CONST ASSY FRONT	FP SHUTTER	EVF	WLAN MODULE
0	MAIN PWB Initialize *1	O				
1	Mount Data Write	O	O			
2	CMOS Defect Correction	O	O			
3	Camera Adjustment	O	O	O		
4	Level Adjustment	O	O			
5	EVF Adjustment	O			O	
6	Phase Detection Adjustment	O	O			
7	Battery Voltage Adjustment	O	O			
8	Firmware Download	Do not use it unless a specific instruction is provided.				
9	End Setting *2	O	O	O	O	O

*1: If the MAIN PWB ASSY has been replaced, always conduct the MAIN PWB Initialize before any other adjustments.
*2: Do the end setting to a camera in the Jig mode when you end the adjustment software.

3-2. Measuring instruments

Measuring instruments	Remarks
Regulated power supply	For adjustment
Digital voltmeter	For Battery adjustment
PC	Used for various adjustments and operation checks (PC-AT compatible) OS*1: Win 2000 SP4, XP SP2*2 and Windows 7
Brightness meter	LS-110 (Minolta) or equivalent
Color temperature meter	Color Meter IIIF (Minolta) or equivalent
Flash meter	Used for measuring the brightness of the chart surface during adjusting and inspecting functions

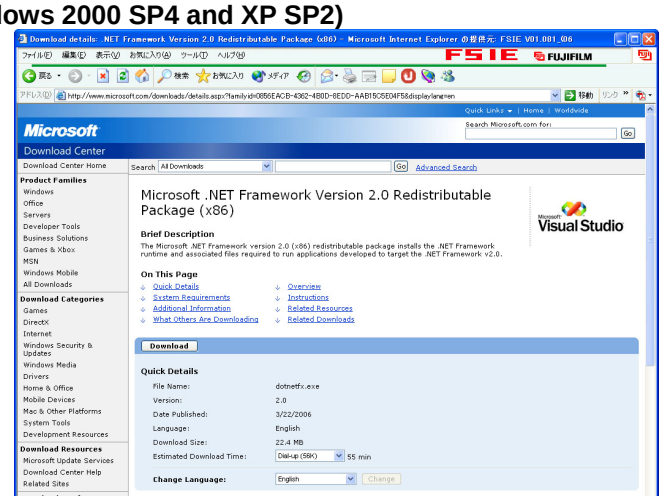
*1: PC condition
1. [Windows 2000 SP4 and XP SP2]:Check that Microsoft .NET Framework Version 2.0 is installed.
2. [Windows 7]: Check that Microsoft .NET Framework Version 4.0 is installed.

*2: To install Microsoft .NET Framework Version 2.0 to Windows 2000 SP4, you must first install Windows Installer 3.0.

3-2-1. Installing .NET Framework Version 2.0 (Windows 2000 SP4 and XP SP2)

<Step 1>

Download .NET Framework Version 2.0 from Microsoft.
(See the address below and the picture in the right.)
http://www.microsoft.com/downloads/details.aspx?familyid=0856EACB-4362-4B0D-8EDD-AAB15C5E04F5&displaylang=en



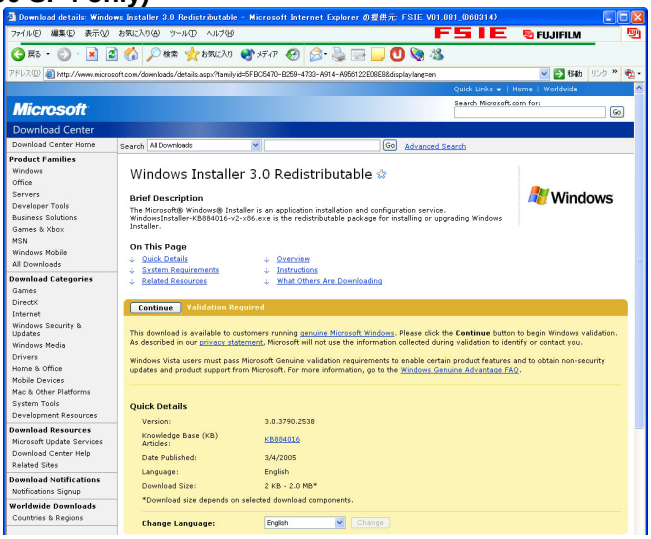
<Step 2>

After downloading the software, complete the installation as directed by the Install wizard.

3-2-2. Installing Windows Installer 3.0 (Windows 2000 SP4 only)

<Step 1>

Download Windows Installer from Microsoft.
(See the address below and the picture in the right.)
http://www.microsoft.com/downloads/details.aspx?familyid=5FBC5470-B259-4733-A914-A956122E08E8&displaylang=en



<Step 2>

After downloading the software, complete the installation as directed by the Install wizard.

3-2-3. Installing .NET Framework Version 4.0 (Windows 7 only)

Regarding the method of installing ".NET Framework 4.0" to Windows 7, refer to the BULLETIN No.2013-058.

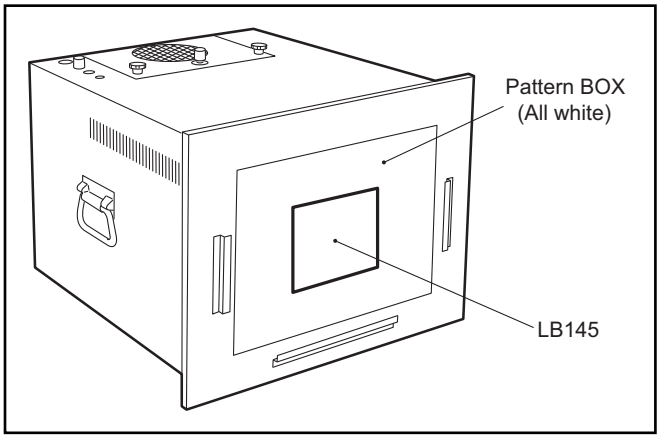
3-3. Calibration method of pattern box

<Use the pattern box for Camera adjustment>

Turn on the power supply in the pattern box.
Afterwards, wait for about ten minutes so that the source of light becomes stable.

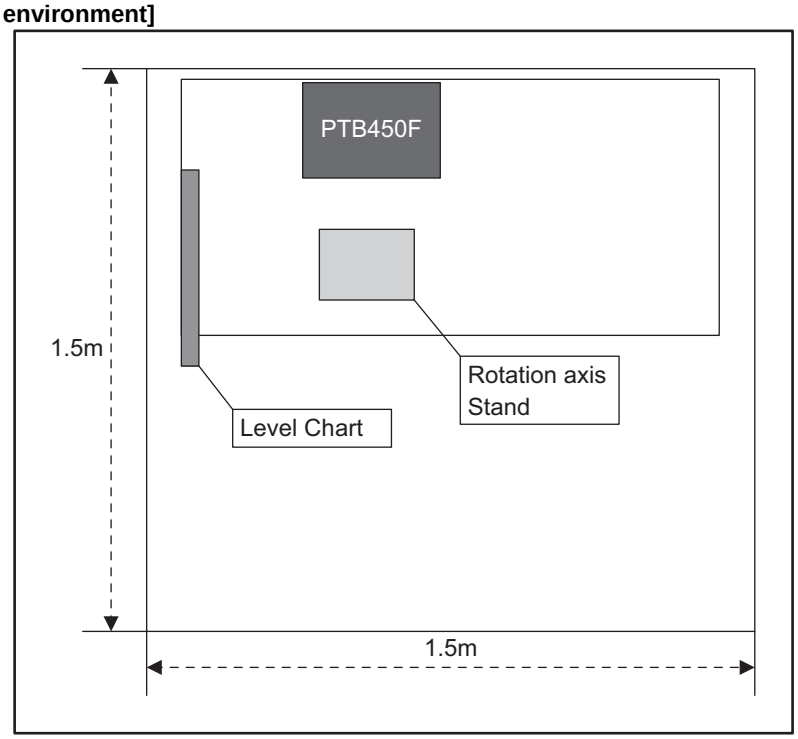
(1) Brightness
160 ± 5cd/m^2 (with LB145 filter)
Center of pattern box
Minolta brightness meter LS-110 or equivalent
* Calibration method
Place the filter (LB145) on the pattern box. With the filter (LB145) in contact with the brightness meter, adjust the pattern box brightness to 160 ± 5cd/m^2.

(2) Color temperature
6100 ± 50K (with LB145 filter)
Center of pattern box
Minolta color meter IIIF or equivalent
* Calibration method
Place the filter (LB145) on the pattern box. With the filter (LB145) in contact with the color temperature meter, adjust the pattern box color temperature to 6100 ± 50K.



Calibration of pattern box

[Example of placement environment]



3-4. Adjustment software installation

Notes regarding methods of downloading software and firmware, decompressions and preservation

PC adjustment software and firmware are in a specified Web server, and they are the compressed file of ZIP.
Therefore, after downloading these compressed files, decompressing the files is necessary.
Any decompression software is fine if it can decompress them.
(Please prepare each one for the decompression software.)
The decompression and the preservation method of the PC adjustment software and the firmware are described below.

3-4-1. Installation of DSC jig driver

* Since this camera uses the USB for communications with the PC, in order to start the PC adjustment software, [the DSC jig driver] needs to be installed in the PC beforehand.
* DSC jig driver varies according to OS.

OS	DSC jig driver number
Windows 2000 SP4、XP SP2	ZJ00684-100
Windows 7	ZJ02197-100

The procedure is as follows:

[In case of Windows 2000 SP and XP SP2]

<Step 1>
Download DSC jig driver (ZJ00684-100.zip) from Web server (https://cs-support-eid.fujifilm.co.jp).

<Step 2>
Decompress the downloaded software.

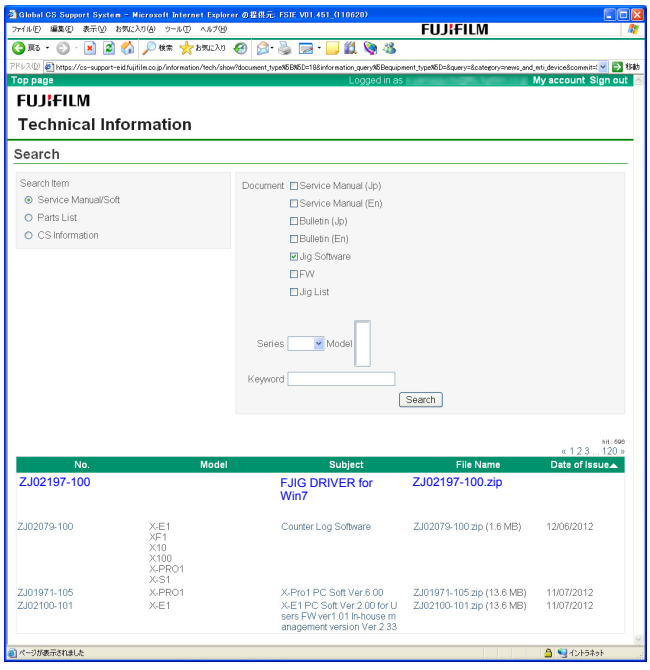
<Step 3>
Double-click FUJIFILM DSC JIG Driver Install.exe in the folder of ZJ00684-100.

<Step 4>
For the installation procedure, follow the directions provided in the dialog boxes shown on your PC.

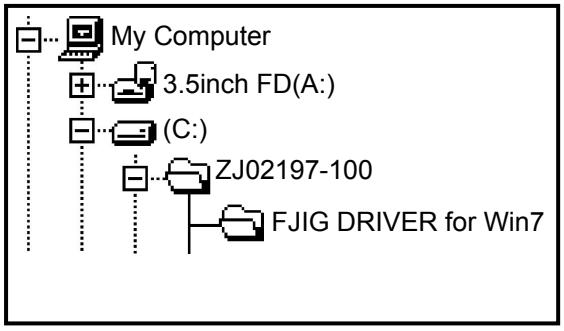


[In case of Windows 7]

<Step 1>
Download the adjustment software from the WEB, and install it to the PC.
We have uploaded the “FJIG DRIVER for Win7 (ZJ02197-100.zip)” on our website:
(https://cs-support-eid.fujifilm.co.jp).

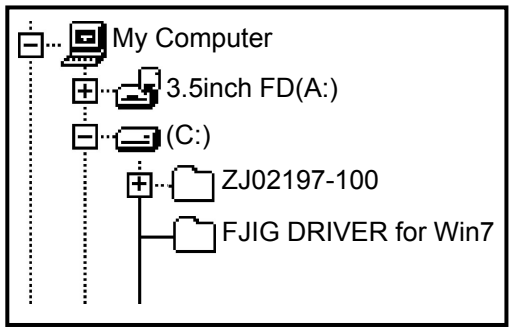


<Step 2>
"ZJ02197-100" is a compressed file of ZIP.
Decompress the "ZJ02197-100" folder.
Copy the "ZJ02197-100" folder to the "C" drive on the Adjustment PC (Fig. 3-4-1).



<Fig. 3-4-1>

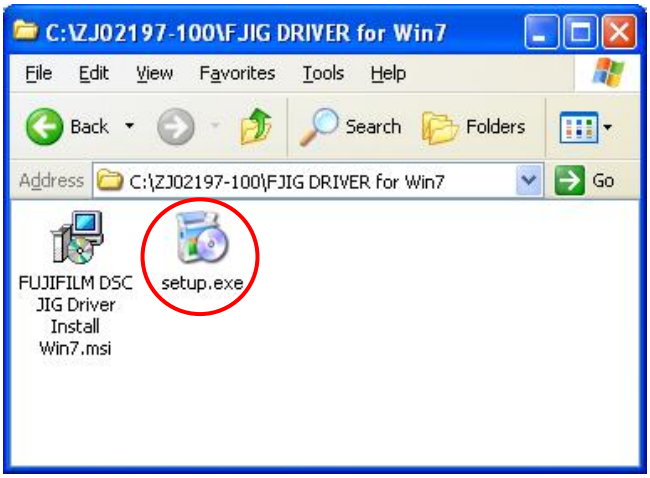
<Step 3>
Copy the "FJIG DRIVER for Win7" folder in the "ZJ02197-100" folder to the "C" drive on the Adjustment PC (Fig. 3-4-2).



<Fig. 3-4-2>

<Step 4>
Double-click [setup.exe] which is stored in the "FJIG DRIVER for Win7" folder.

<Step 5>
For the installation procedure, follow the directions provided in the dialog boxes shown on your PC.

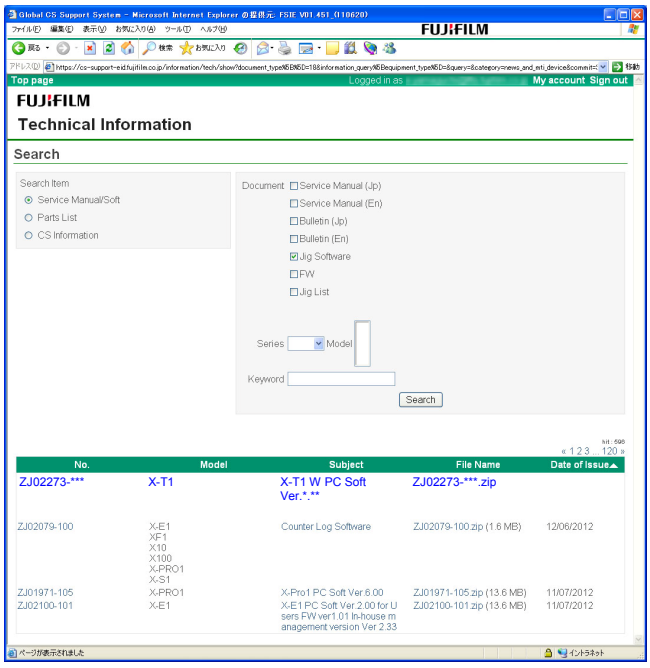


3-4-2. Installation of X-T1 W PC Soft Ver.*.**

<Step 1>

Download the adjustment software from the WEB, and install it to the PC.

We have uploaded the “PC Adjustment Software (ZJ02273-***.zip) for X-T1 W PC Soft Ver.*.**” on our website: (https://cs-support-eid.fujifilm.co.jp).



<Step 2>

Decompress “ZJ02273-***”.

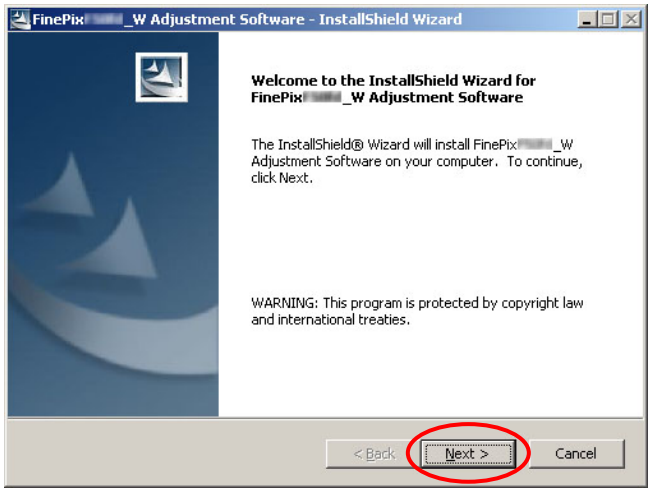
Copy the “ZJ02273-***” folder to the “C” drive on the PC.

<Step 3>

Double-click the “Setup_X-T1_W_***.exe” adjustment software installer file in the “ZJ02273-***” folder.

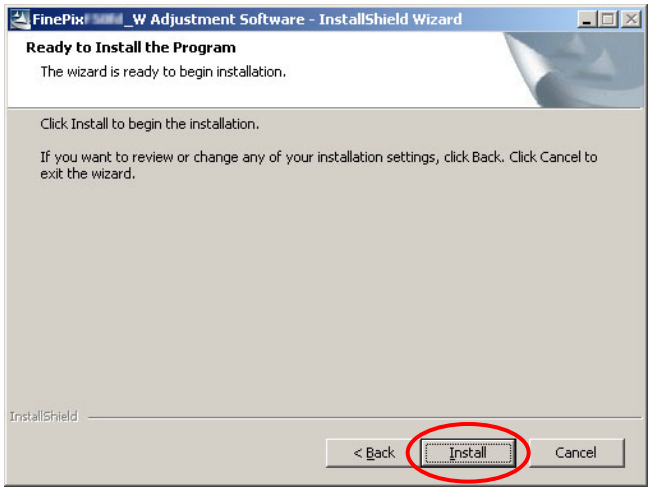
<Step 4>

When the window shown on the right appears, click [Next].

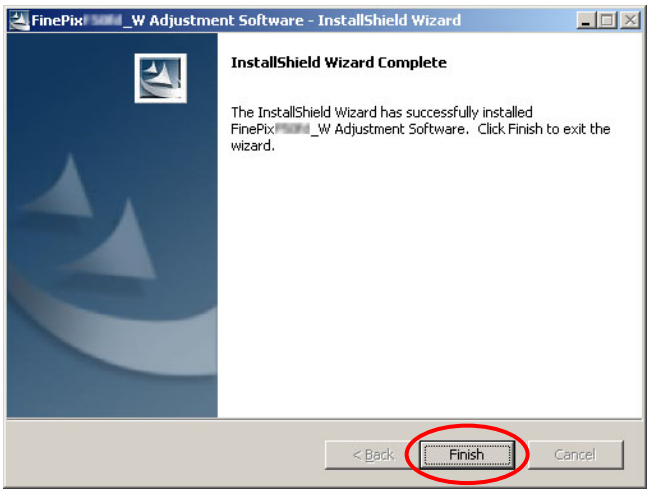


<Step 5>

When the window shown on the right appears, click [Install]. (Installation begins.)

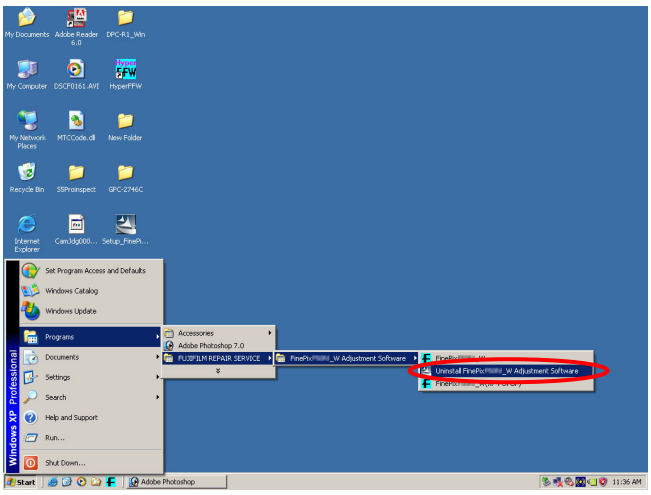


<Step 6>
When installation ends and the window shown on the right appears, click [Finish].

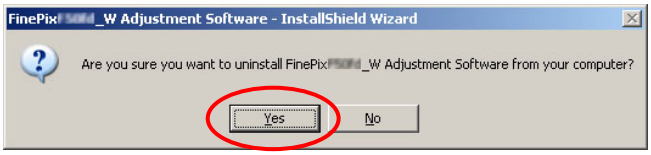


3-4-3. Uninstalling X-T1 W PC Soft Ver.*.**

<Step 1>
Start
↓
Programs
↓
FUJIFILM REPAIR SERVICE
↓
X-T1_W Adjustment Software
↓
Uninstall X-T1_W Adjustment Software



<Step 2>
When the window shown on the right appears, click [Yes]. (Uninstallation begins.)



<Step 3>
When uninstallation ends, the window shown on the right appears and click [OK].



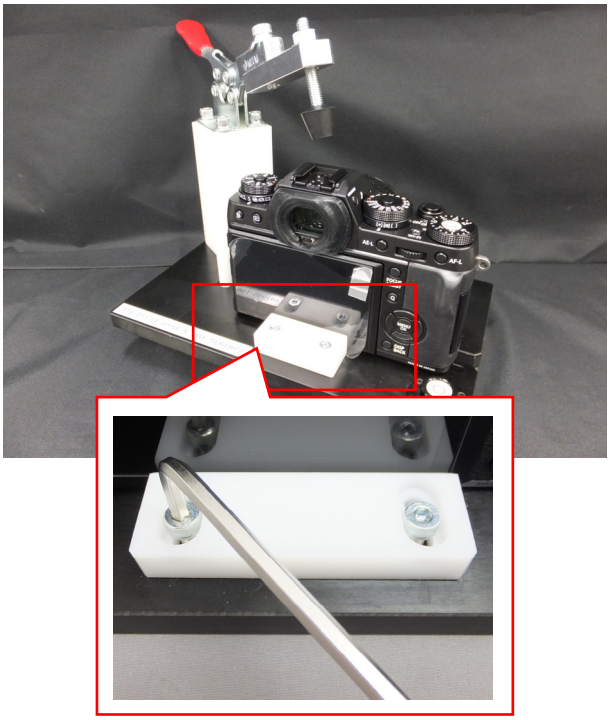
* In some cases, uninstalling the software does not remove all the files.
To completely remove all the files, delete the C:\X-T1_W folder after the uninstallation.

3-5. Preparation for adjustment

3-5-1. Setting X-Pro1 Level jig

<Step 1>

Mount Camera to X-Pro1 Level jig.

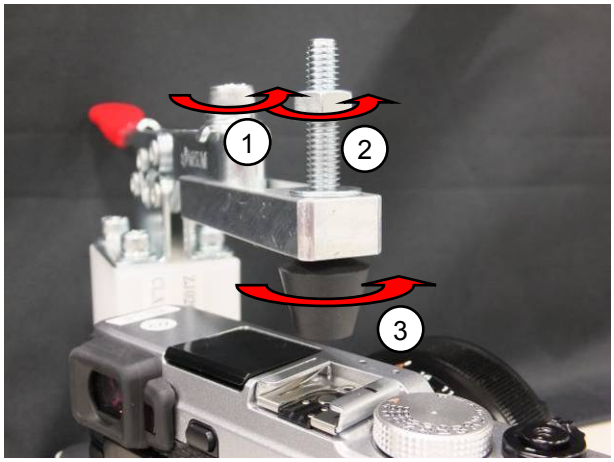


Adjust the position of the white anchorage to fix the camera.

<Step 2>

Loosen the screw and nut ((1), (2)), and turn the rubber (3) to fix the position show in the right.

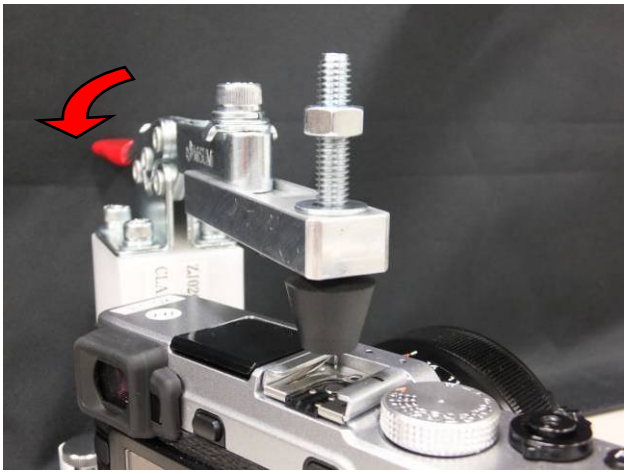
* The camera in the picture is not X-T1.



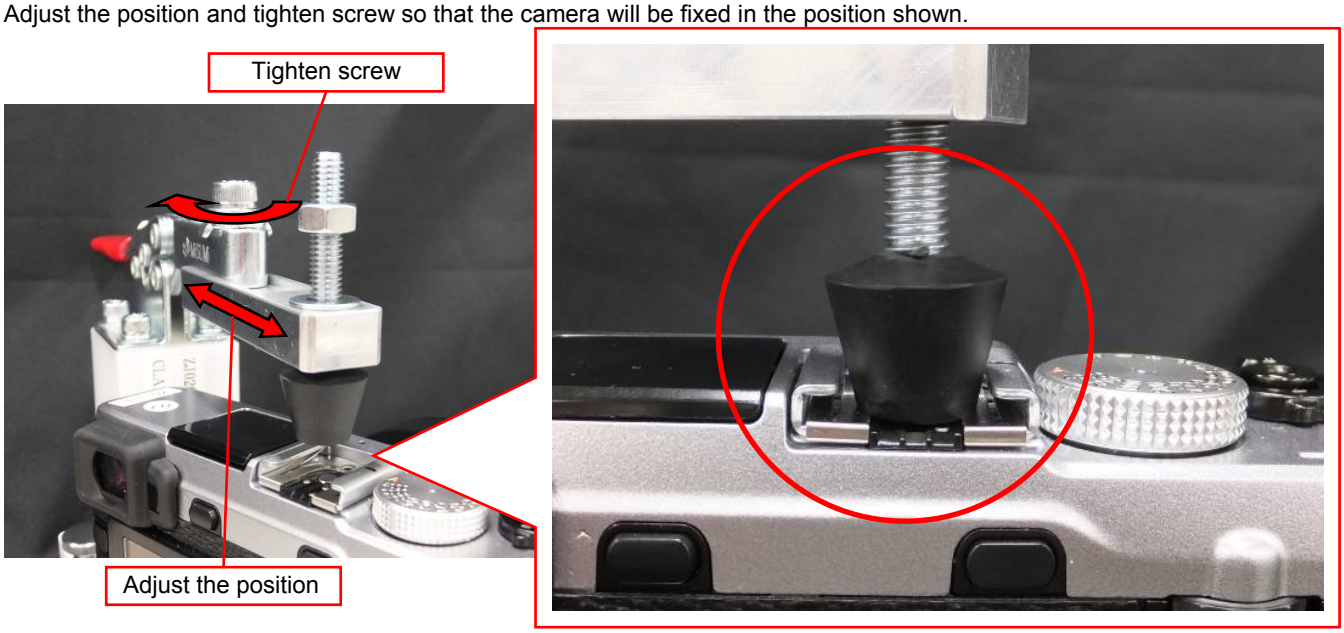
<Step 3>

Lower the lever.

* The camera in the picture is not X-T1.

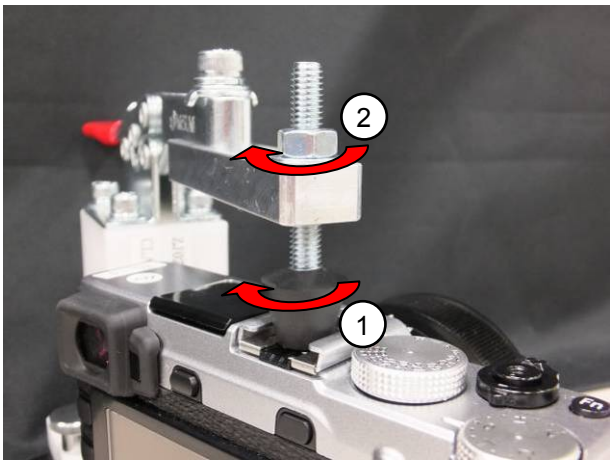


<Step 4>
Adjust the position and tighten screw so that the camera will be fixed in the position shown.

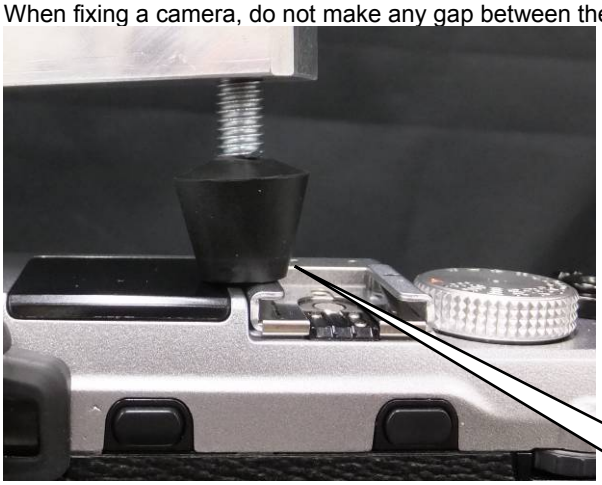


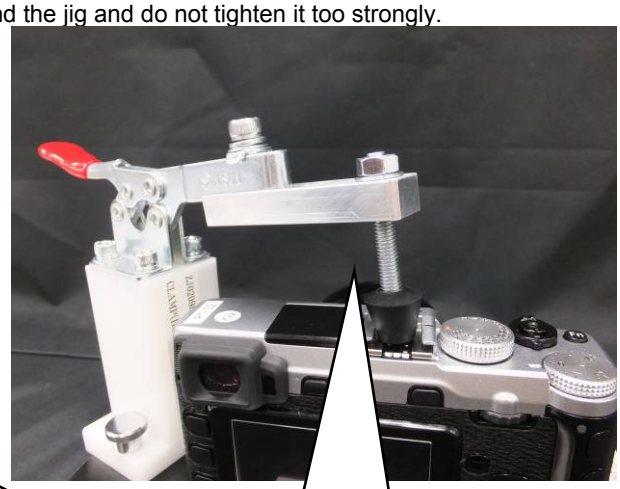
* The camera in the picture is not X-T1.

<Step 5>
Turn the rubber (1) and fix the camera so that it does not move, and tighten the nut (2).
* The camera in the picture is not X-T1.



[Notes]
When fixing a camera, do not make any gap between the camera and the jig and do not tighten it too strongly.





[Bad example]
Position is not correct.

[Bad example]
The length of thread under the arm is too long.



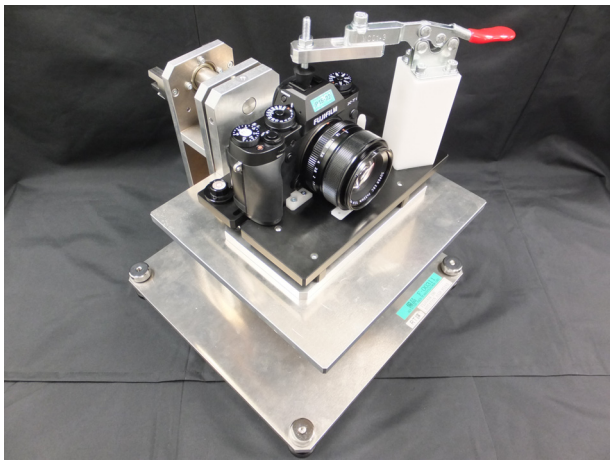
[Bad example]
Don't make gaps

* The camera in the picture is not X-T1.

3-5-2. Setting LEVEL Jig

Mount X-Pro1 Level jig to ROTATION AXIS STAND.





3-5-3. QR Code reader (ZJ01134-100) Setup

Initialize the QR code reader used for the LENS DATA reading.

1. Connect the QR code reader to the USB port on a PC.
2. Wait until the PC recognizes the QR code reader (the QR code reader emits a beep).
3. Use the QR code reader to scan the “Add CR Suffix” provided in “Suffix Selection” in the instruction manual supplied with the QR code reader.
4. Scanning method
   (1) Hold the QR code reader at a distance of around 5 cm from the “Add CR Suffix” bar code so that the bar code is lit by the aiming beam of the QR code reader.
   (2) Press the switch on the QR code reader.

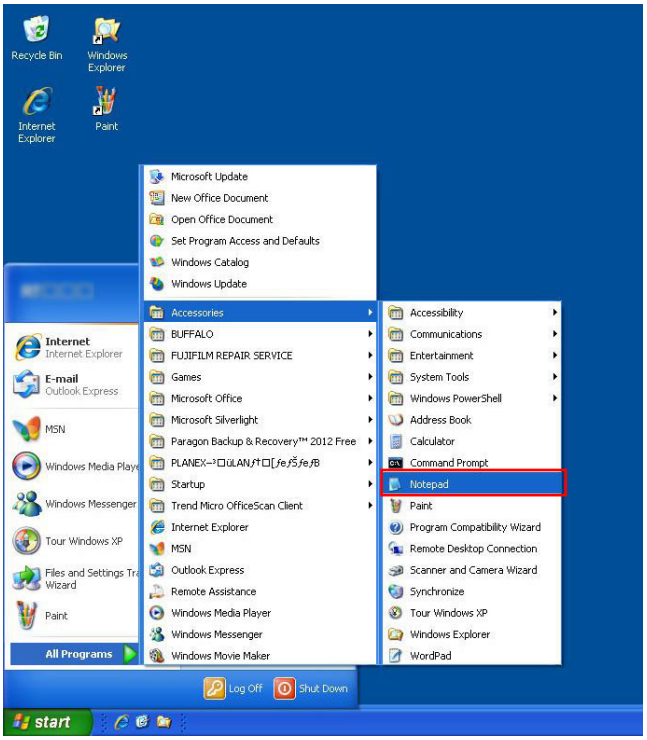


* The instruction manual is provided in several languages. Use any language for the setting.
* Refer to the instruction manual for detailed information on using the QR code reader.

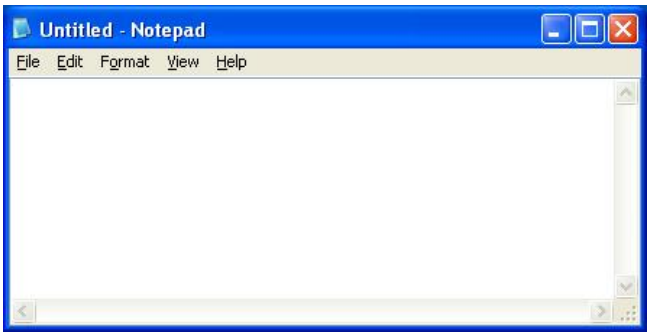
3-5-4. Obtaining the EVF number

(1) Connect the QR code reader to the USB port on a PC.

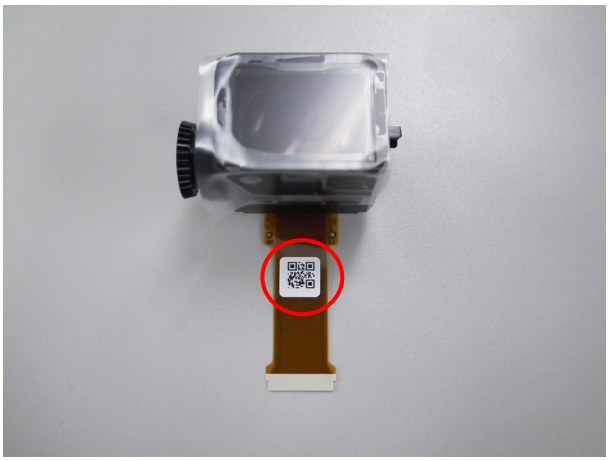
(2) Open the “Notepad”.
START → Programs → Accessories → Notepad



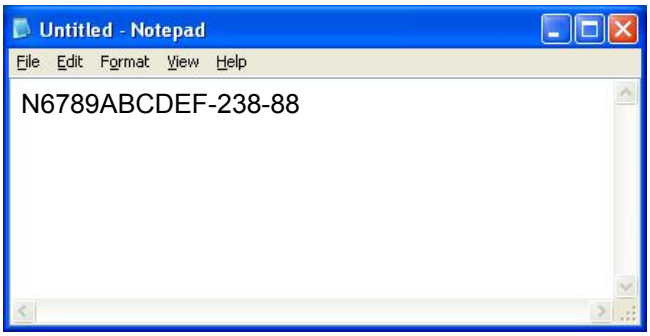
(3) The “Notepad” appears.



(4) Scan the QR code with the QR code reader.

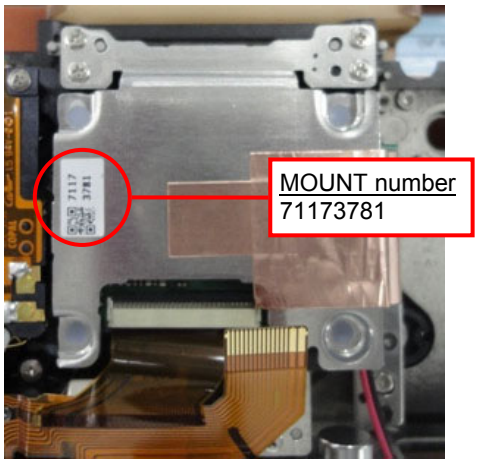


(5) The QR code reader beeps and numbers appear, as shown in the right, which shows the code was scanned successfully.
Write the numbers in the memo because you need it during the EVF Adjustment.



3-5-5. Obtaining the MOUNT data

(1) Read the MOUNT number.
The numbers shown at right are “71173781 (8 digits)”.
The name of the MOUNT data file containing this number is “71173781.txt”.



[Notes]

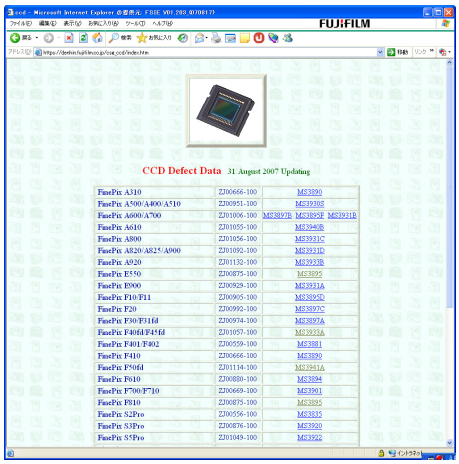
1. The MOUNT data file extension is “txt”. Depending upon Windows settings, this extension may not be displayed. In this case, change the settings to ensure that it is displayed.
2. In addition to numbers, letters are also used in the MOUNT No. The data file name is used in the same manner in this case.
3. Ensure that the MOUNT No. is read correctly. If the file name is read incorrectly MOUNT data for another camera will be loaded.

(2) Download the ZIP file of top four digits which is same as the numbers above from Web server (https://cs-support-eid.fujifilm.co.jp/).
Open ZJ02274-100 in the LENS data folder, and download “LX40Mount_7117.zip”.

(3) Decompress “LX40Mount_7117.zip”.
“71173781.txt” is made.

(4) Confirm the following folder on C drive.
C:\X-T1_W\LENS_DATA\LX40

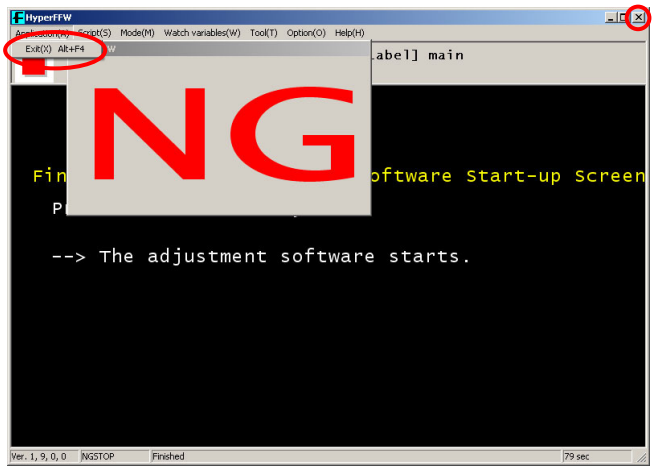
(5) Search for “71173781.txt”, and copy it onto the folder “C:\X-T1_W\LENS_DATA\LX40”.



<Sample image>

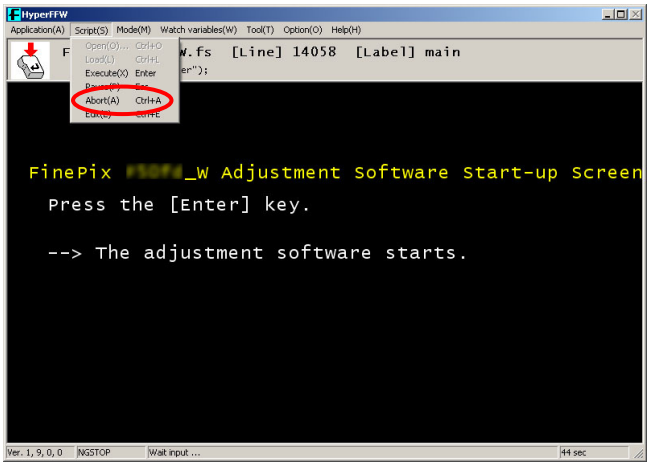
3-6. Using the Adjustment Software

Menu	Command	Details
Application	Exit (Alt+F4)	End HyperFFW
Script	Open	Do not use
	Load	Do not use
	Execute	Do not use
	Pause	Do not use
	About (Ctrl+A)	Cancels execution
	Edit	Do not use
Mode	Do not use	
Watch variables	Do not use	
Tool	Do not use	
Option	Do not use	
Help	Do not use	



It is possible to exit from HyperFFW only when the “x” circled in red can be clicked.

To exit from HyperFFW during the adjustment, select About (Ctrl+A) and then select Exit (Alt+F4).

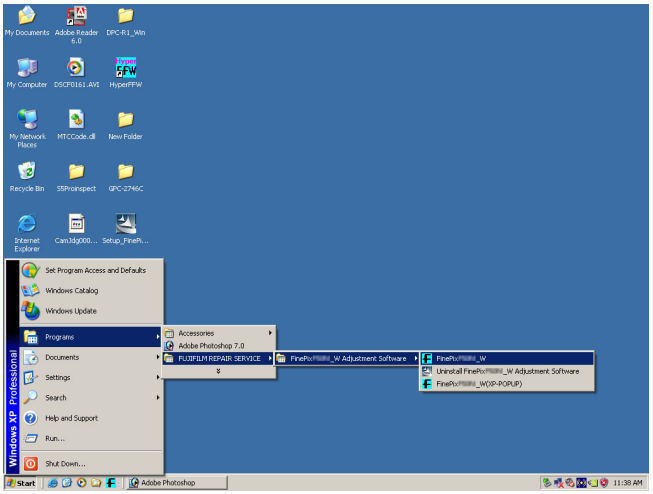


3-7. Booting the Adjustment Software

3-7-1. Booting the Adjustment Software when MAIN PWB Initialize

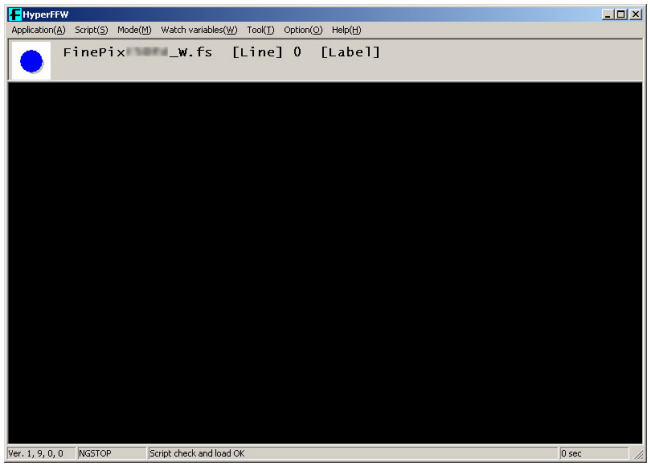
<Step 1>

Start
↓
Programs
↓
FUJIFILM REPAIR SERVICE
↓
X-T1_W Adjustment Software
↓
X-T1_W(INIT)



<Step 2>

If adjustment stops at the window shown in the right, press the [Enter] key to proceed.



<Step 3>

[Repair site ID input]

The first time the adjustment software is used, the window appears where you select a repair site ID to record it in the camera during End Setting.

In this window, select the appropriate repair site.
E.g.: USA -> Press “A” on the keyboard.

* Once this has been set, this window no longer appears on the PC.
* To reset the repair site ID, exit from the adjustment software and then delete C:\X-T1_W\base.txt.



<Step 4>

[Adjustment Software Start-up Screen]

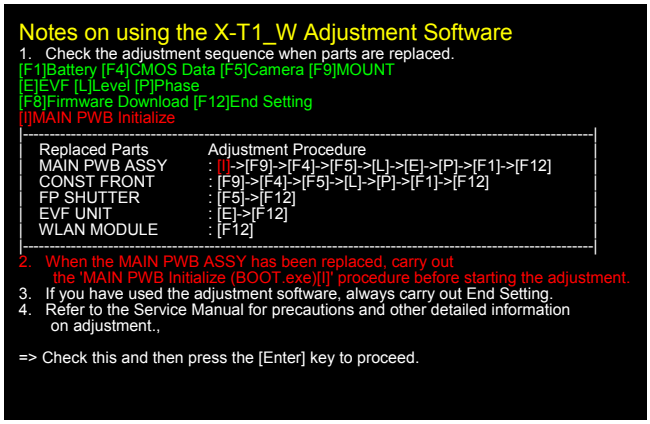
Press the [Enter] key to proceed.



<Step 5>
[Notes on using the adjustment software]

1. Check the adjustment items and the order when parts are replaced.
2. When the MAIN PWB ASSY has been replaced, carry out the “MAIN PWB Initialize (BOOT.exe)[I]” procedure before starting the adjustment.
3. If you have used the adjustment software, always carry out End Setting.
4. Refer to the Service Manual for precautions and other detailed information on adjustment.

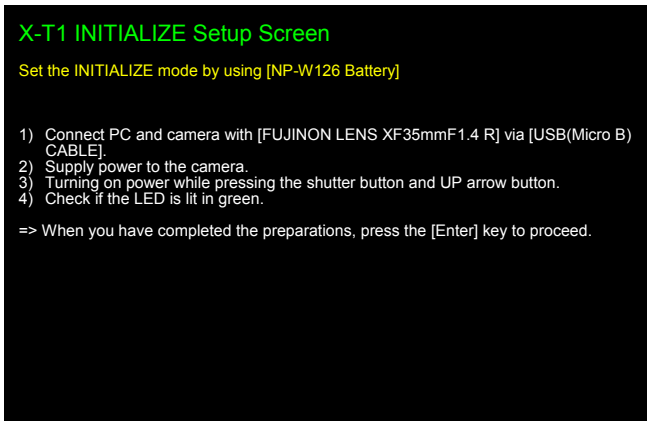
Press the [Enter] key to proceed.



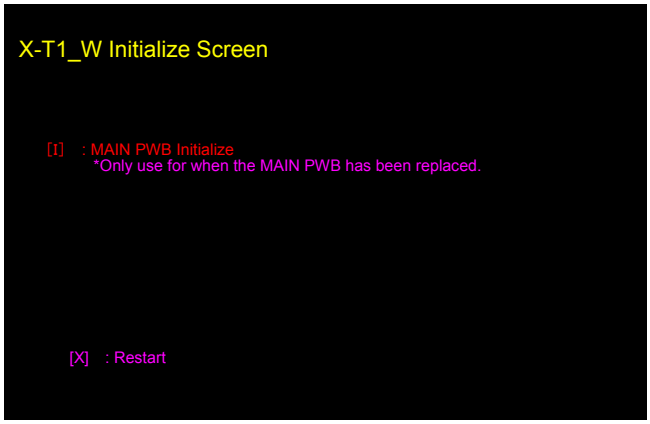
<Step 6>
[INITIALIZE Setup Screen]
Use “NP-W126 Battery”.

1. Connect PC and camera with FUJINON LENS XF35mmF1.4 R via “USB cable”.
2. Supply power to the camera.
3. Turn on power while pressing the shutter button and UP arrow button (▲).
4. Check if the LED lights in green.

When you have completed the preparations, press the [Enter] key to proceed.



<Step 7>
[MAIN PWB Initialize Screen]
Pressing the [X]:Restart key interrupts the adjustment software and returns to the [Adjustment Software Start-up Screen].
However, the camera remains not to be recognized as a PTP or Mass Storage device.
(Press the [X] key while the camera is in communication with the PC. If you press the [X] key while the camera is disconnected, the [Adjustment Software Start-up Screen] may be slow to reappear and an error may appear in the adjustment software.)



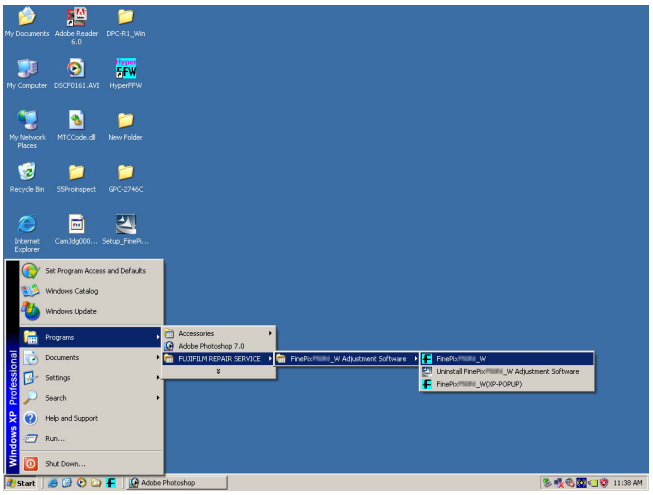
3-7-2. Booting the Adjustment Software other than [I]:MAIN PWB Initialize

[Adjustment environment and precautions]

- When “OK” or “NG” window appears and you adjust the same camera again, turn the camera off once, and turn the camera on with a jig mode.

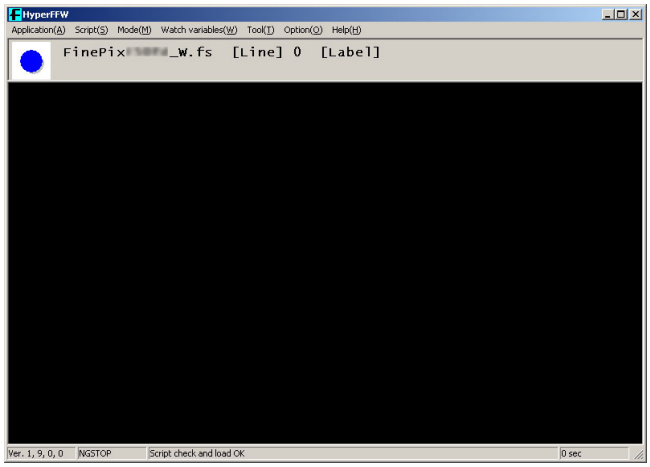
<Step 1>

Start
↓
Programs
↓
FUJIFILM REPAIR SERVICE
↓
X-T1_W Adjustment Software
↓
X-T1_W



<Step 2>

If adjustment stops at the window shown in the right, press the [Enter] key to proceed.



<Step 3>

[Repair site ID input]

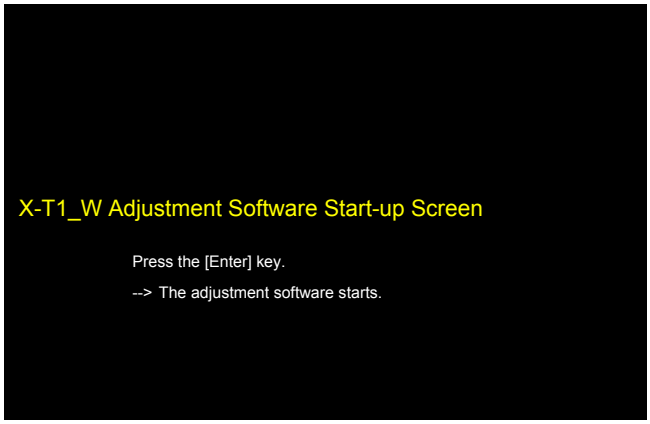
The first time the adjustment software is used, the window appears where you select a repair site ID to record it in the camera during End Setting.

In this window, select the appropriate repair site.
E.g.: USA -> Press “A” on the keyboard.

* Once this has been set, this window no longer appears on the PC.
* To reset the repair site ID, exit from the adjustment software and then delete C:\X-T1_W\base.txt.

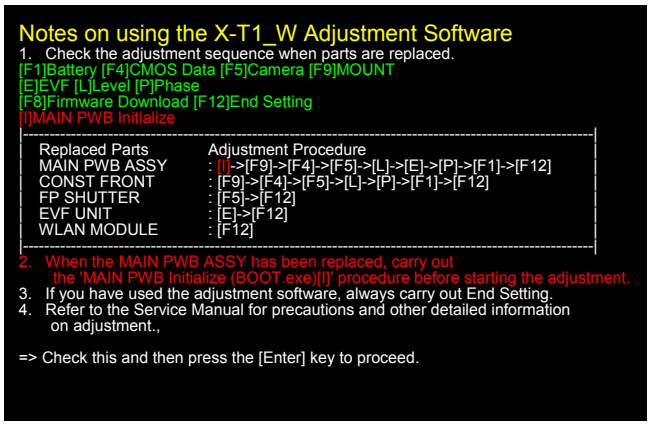


<Step 4>
[Adjustment Software Start-up Screen]
Press the [Enter] key to proceed.



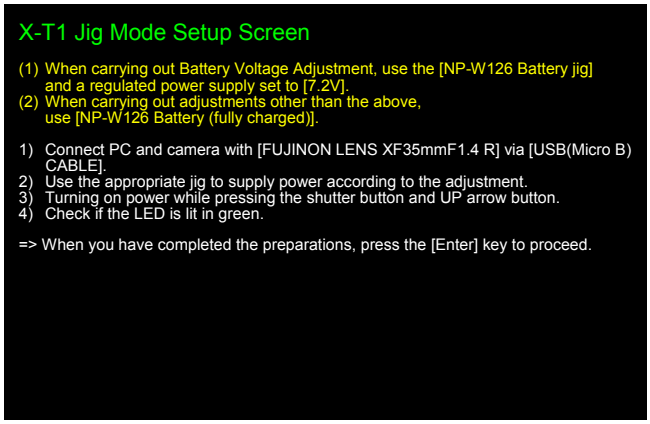
<Step 5>
[Notes on using the adjustment software]
1. Check the adjustment items and the order when parts are replaced.
2. When the MAIN PWB ASSY has been replaced, carry out the “MAIN PWB Initialize [I]” procedure before starting the adjustment.
3. If you have used the adjustment software, always carry out End Setting.
4. Refer to the Service Manual for precautions and other detailed information on adjustment.

Press the [Enter] key to proceed.



<Step 6>
[Jig Mode Setup Screen]
(1) When carrying out Battery Voltage Adjustment, use the “NP-W126 Battery jig” and a regulated power supply with 7.2 V setting.
(2) When carrying out adjustments other than the above, use “NP-W126 Battery”.

1. Connect PC and camera with FUJINON LENS XF35mmF1.4 R via “USB cable”.
2. Use the appropriate jig to supply power.
3. Turn on power while pressing the shutter button and UP arrow button (▲).
4. Check if the LED lights in green.



When you have completed the preparations, press the [Enter] key to proceed.

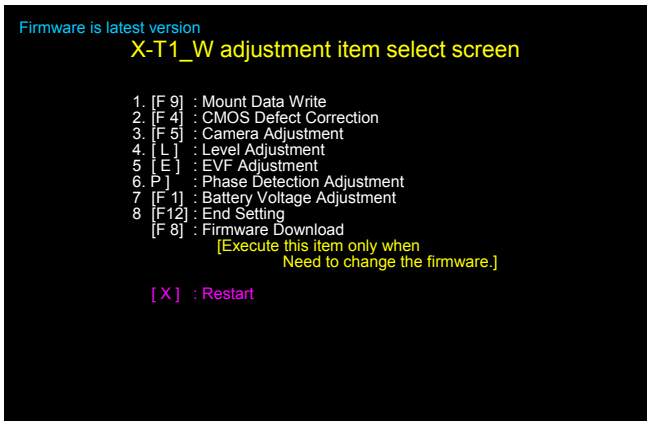
<Step 7>
[Displaying the firmware version]
If a firmware upgrade is required, other instructions will be provided.
Press the [Enter] key to proceed.



* If the version of the camera's firmware is older than the firmware in the adjustment software, the window shown in the right appears. Press the [Enter] key to proceed.

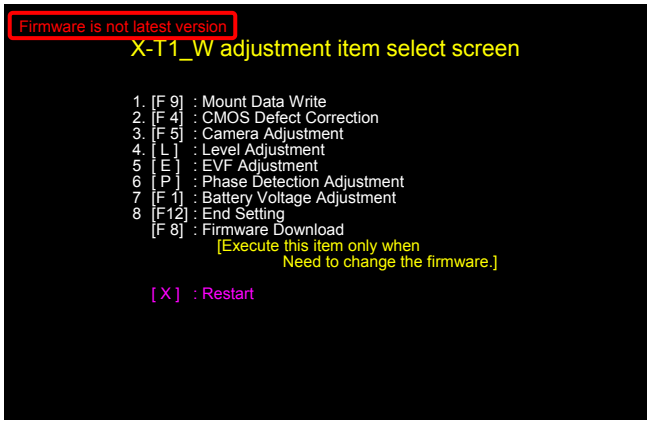


<Step 8>
[Adjustment item select screen]
(1) Regarding Firmware Download, other adjustments may require depending on the firmware version downloaded. If you need to carry out Firmware Download, other instructions will be provided such as the adjustments required and the firmware updating.
(2) When you have booted the adjustment software and exchanged data with the camera, you must carry out End Setting as the final step.
If you don't carry out the End Setting, the camera will remain in JIG mode (camera repair mode) and will not be recognized by the PC (as a PTP or Mass Storage device) when customers connect the camera to a PC in normal operation.



(3) Pressing the [X]:Restart key interrupts the adjustment software. After the "OK" screen display, returns to the [Adjustment Software Start-up Screen].
(When adjust the same camera again, turn the camera off once, and turn the camera on with a jig mode.)
However, the camera remains not to be recognized as a PTP or Mass Storage device.
(Press the [X] key while the camera is in communication with the PC. If you press the [X] key while the camera is disconnected, the [Adjustment Software Start-up Screen] may be slow to reappear and an error may appear in the adjustment software.)

* If the version of the camera's firmware is older than the firmware in the adjustment software, the "Firmware is not latest version" message will appear in red in the top-left corner of the window.
If the firmware is the latest version (or the same as the adjustment software version), "Firmware is latest version" is displayed in blue.



3-8. [I]:MAIN PWB Initialize

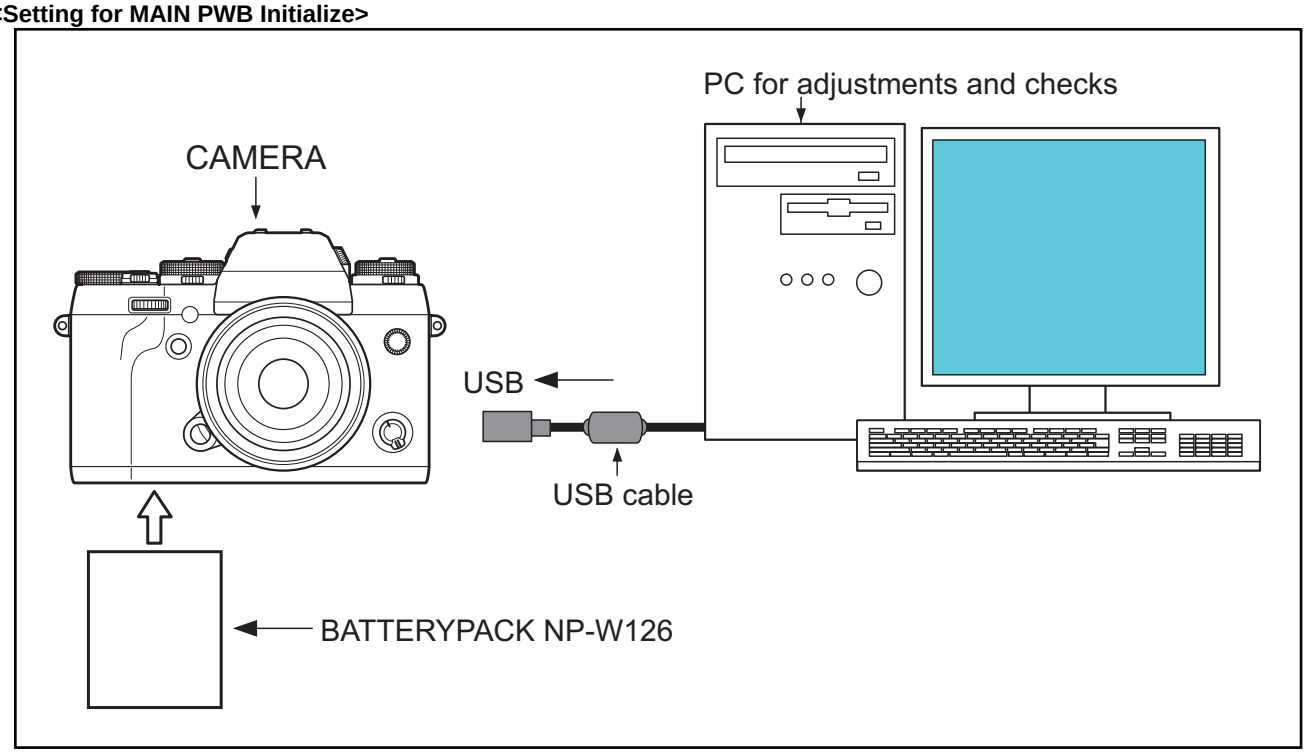
[Adjustment environment and precautions]

- When the MAIN PWB ASSY has been replaced, always carry out the “MAIN PWB Initialize” procedure before carrying out any other adjustments.
- If you carry out the “MAIN PWB Initialize” procedure when the MAIN PWB ASSY has not been replaced, all adjusted data will be reset to the default settings. In this event, carry out all the adjustments (excluding Firmware Download).
- Because the memory is formatted during the “MAIN PWB Initialize” procedure, be careful not to erase customers’ data when handling customers’ cameras.

[Required items]

BATTERYPACK NP-W126 (fully charged)	FZ09206-100 (or 200 or 300)
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.

<Setting for MAIN PWB Initialize>



<Step 1>

[Firmware Download]

Update the firmware to the latest version by the adjustment software.

P3-31: Refer to “3-16. Firmware Download”.

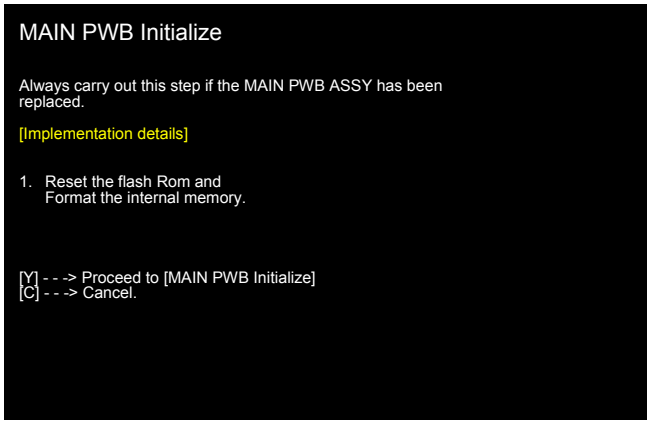
<Step 2>

(1) Insert NP-W126 Battery.
(2) Connect the camera to the PC via the USB cable.
(3) Turn on the camera while pressing the shutter button and UP arrow button (▲).

Select [I]:MAIN PWB Initialize in the adjustment item select screen.

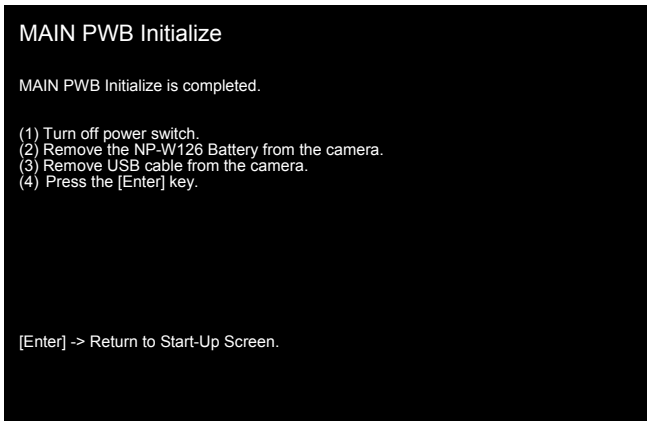
<Step 3>
[Checking MAIN PWB Initialize]
(1) Reset the flash ROM and format the memory.

Press the [Y] key to begin “MAIN PWB Initialize”.
Press the [C] key to cancel the procedure.



<Step 4>
[Ending MAIN PWB Initialize]
(1) Turn the camera off.
(2) Remove the NP-W126 Battery from the camera.
(3) Remove USB cable from the camera.
(4) Press the [Enter] key.

Press the [Enter] key to return to the Adjustment Software Start-up Screen.



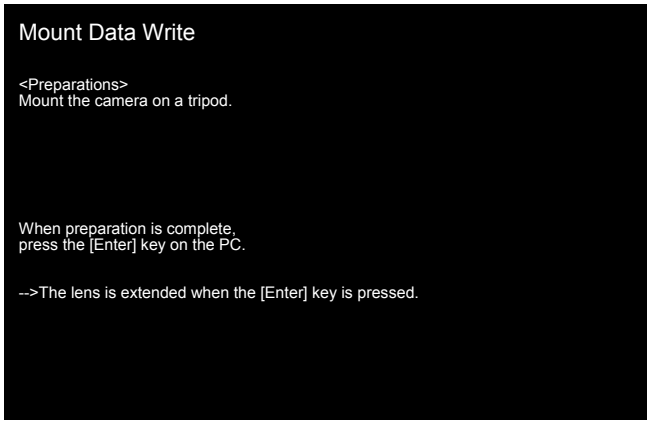
3-9. [F9]:Mount Data Write

[Required items]

Camera fixing jig	
BATTERYPACK NP-W126 (fully charged)	FZ09206-100 (or 200 or 300)
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.

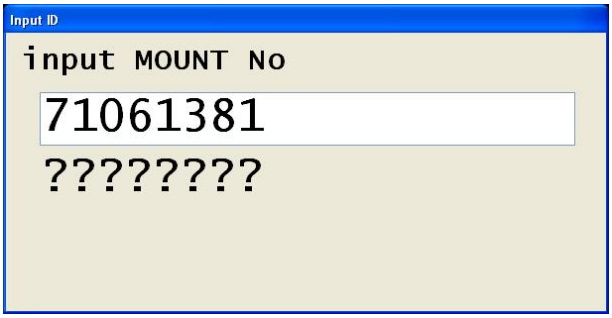
<Step 1>
Select [F9]:Mount Data Write in the adjustment item select screen.

When you have completed the preparations, press the [Enter] key to proceed.



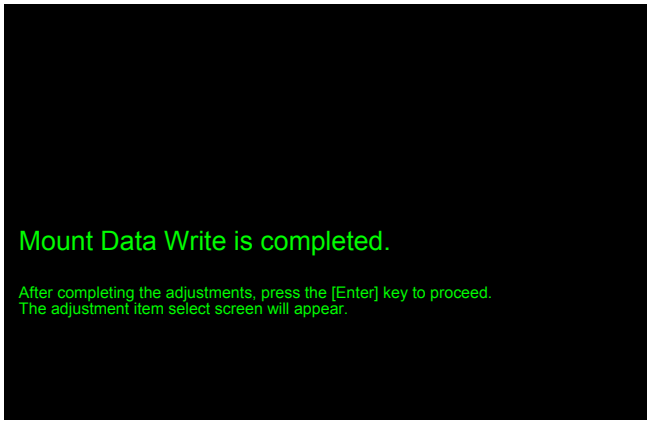
<Step 2>
[MOUNT number input]
(1) Check if there is the following folder on C drive.
C:\X-T1_W\LENS_DATA\LX40
(2) Copy the MOUNT data created in [3-5-5. Obtaining the MOUNT data] to the folder in (1).
(3) Enter the 8-digit MOUNT number of camera in the input box.

Press the [Enter] key to proceed.



<Step 3>
[Ending Mount Data Write]

After completing the adjustments, press the [Enter] key to proceed. The adjustment item select screen will appear.



3-10.[F4]:CMOS Defect Correction

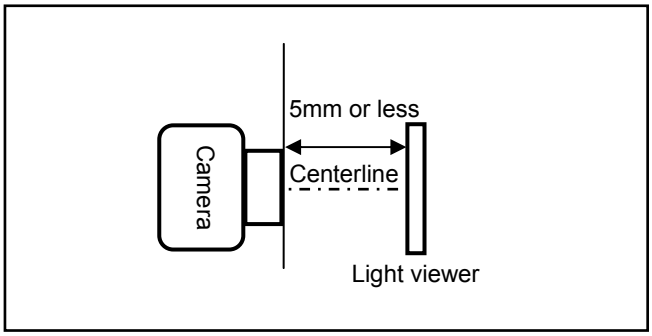
[Adjustment environment and precautions]

- Carry out this adjustment under dark environment (a darkroom environment is ideal). Alternatively, prepare a box that is painted black inside and carry out the adjustments with the camera enclosed in the box. Please be careful not to expose to fluorescent light.
- Do not shake the camera during adjustment.
- Temperature rise of internal camera could cause the adjustment to fail.
  If adjustment fails you should first try turning the camera off and wait for a while and then carrying out the adjustment again.
- Check if Mount Data Write has finished.

[Required items]

Camera fixing jig	
BATTERYPACK NP-W126 (fully charged)	FZ09206-100 (or 200 or 300)
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.
LED viewer	Commercially available. (Maker: FUJIFILM, Model: ST-N3 or equivalent)

<Settings for CMOS Defect Correction>



<Step 1>

Select [F4]:CMOS Defect Correction in the adjustment item select screen.
Carry out the adjustment according to the adjustment software screen.

Be careful not to shake the camera during this adjustment.

3-11. [F5]:Camera Adjustment

[Adjustment environment and precautions]

- Carry out this adjustment under dark environment (a darkroom environment is ideal). Alternatively, prepare a box that is painted black inside and carry out the adjustments with the camera enclosed in the box. Please be careful not to expose to fluorescent light.
- Calibrate the pattern box before the adjustment.
- Any soiling on the dispersion plate or reflective plate of the pattern box will result in unevenness in the lighting and cause errors during adjustment. Check and clean the pattern box periodically.
- Check if Mount Data Write and CMOS Defect Correction have finished.

[Required items]

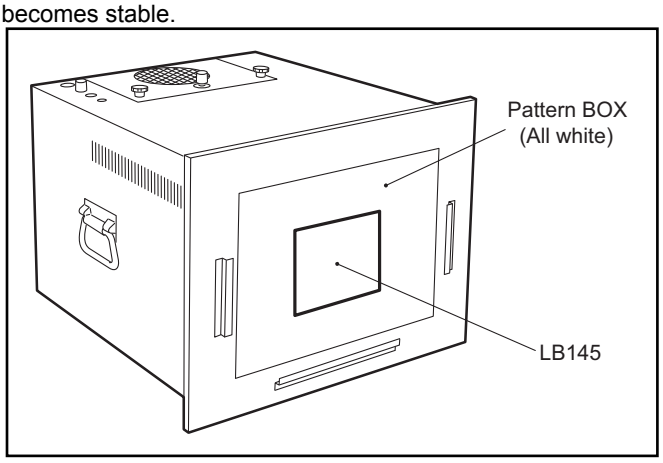
Camera fixing jig	
PTB450F	Pattern box
LB145 filter	ZJ00699-100
BATTERYPACK NP-W126 (fully charged)	FZ09206-100 (or 200 or 300)
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.

<Use the pattern box for Camera adjustment>

Turn on the power supply in the pattern box.
Afterwards, wait for about ten minutes so that the source of light becomes stable.

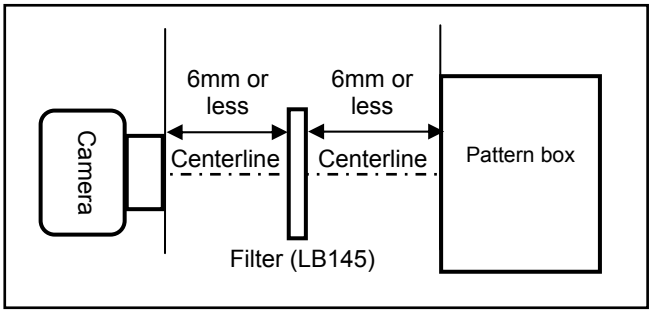
(1) Brightness
160 ± 5cd/m^2 (with LB145 filter)
Center of pattern box
Minolta brightness meter LS-110 or equivalent
* Calibration method
Place the filter (LB145) on the pattern box. With the filter (LB145) in contact with the brightness meter, adjust the pattern box brightness to 160 ± 5cd/m^2.

(2) Color temperature
6100 ± 50K (with LB145 filter)
Center of pattern box
Minolta color meter IIIF or equivalent
* Calibration method
Place the filter (LB145) on the pattern box. With the filter (LB145) in contact with the color temperature meter, adjust the pattern box color temperature to 6100 ± 50K.

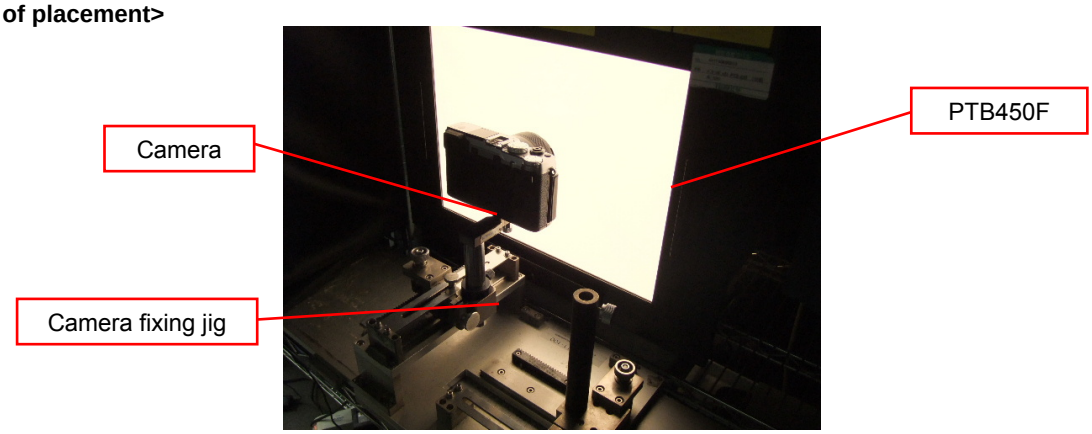


Calibration of pattern box

<Settings for Camera Adjustment>



<Example of placement>



* The camera in the picture is not X-T1.

<Step 1>

Select [F5]:Camera Adjustment in the adjustment item select screen.
Carry out the adjustment according to the adjustment software screen.

3-12. [L]:Level Adjustment

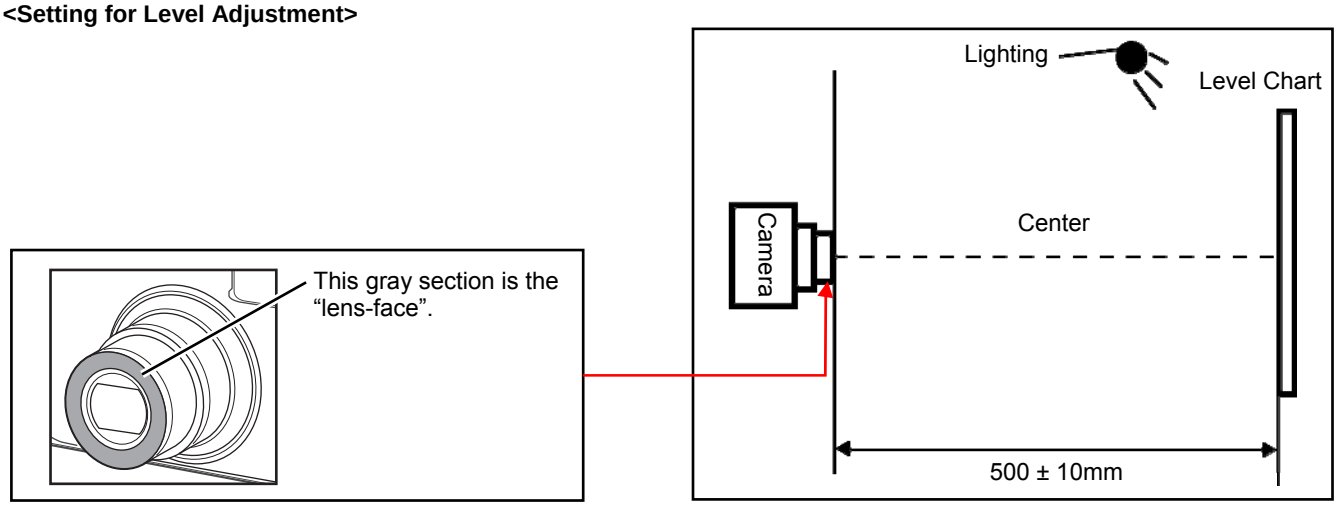
[Adjustment environment and precautions]

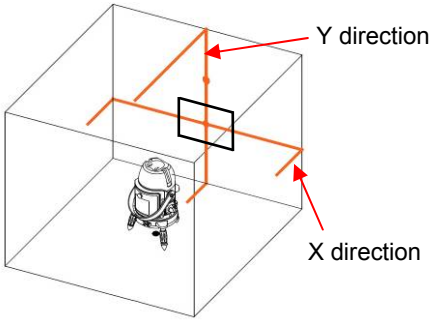
- Adjust the lighting to give a brightness of 8.0 to 11.0 EV on the Level chart surface.
- Temperature rise of internal camera could cause the adjustment to fail.
  If adjustment fails you should first try turning the camera off and wait for a while and then carrying out the adjustment again.

[Required items]

Camera fixing jig	
Lighting	Illuminate the chart
FxHS20EXR/X100 Level Chart	ZJ01849-100
X-Pro1 Level jig	ZJ01935-100
Rotation axis Stand	ZJ01858-100
BATTERYPACK NP-W126 (fully charged)	FZ09206-100 (or 200 or 300)
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.
Flash meter	
Laser telemeter	Commercially available. Maker: Makita, Model: SK308PZ As far as the specification is equal to “SK308PZ”, any Laser telemeter can be used. • Precision: ±1mm/10m • Line Point laser: X direction/Y direction

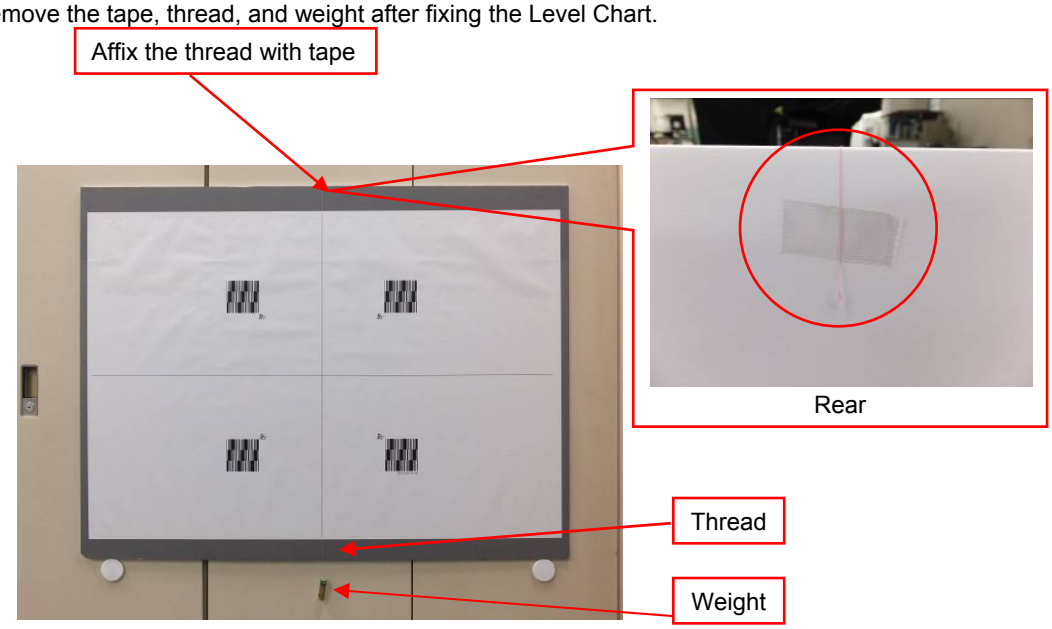
<Setting for Level Adjustment>



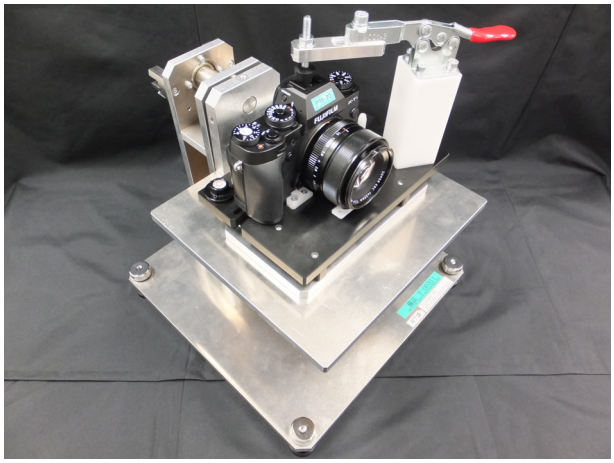


<Line Point laser of Laser telemeter>

<If a laser telemeter cannot be used>
Place the Level Chart with the vertical line on the Level Chart matched with a thread weighted on the end.
Be sure to remove the tape, thread, and weight after fixing the Level Chart.

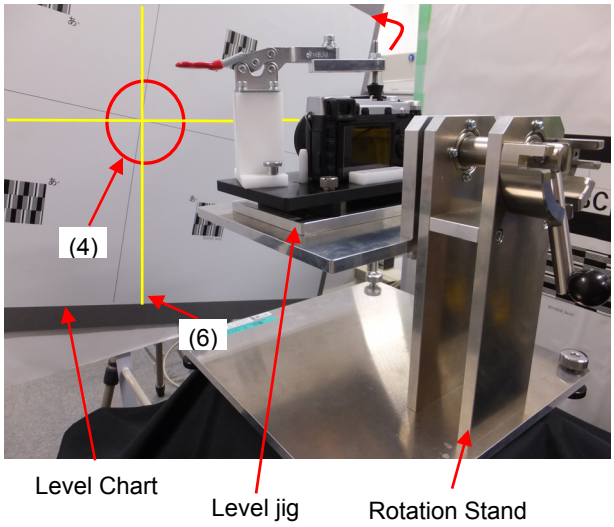


<Preparing the Rotation Stand>
Assemble as shown referring to [3-5-2. Setting LEVEL Jig].



<Setting for Level Chart>
Adjust it in the following procedure so that “Level Chart” becomes horizontal when “Level jig zero degree”.

(1) Setting Rotation Stand in the horizontal place.
(2) Set Level jig on Rotation Stand. Set Level jig with “0 degrees” to become horizontal.
(3) Adjust the positions so that the distance from the level chart to the camera’s lens-face is 500 +-5 mm.
(4) Make the Chart center come to the LCD center.
(5) Set Laser telemeter in the horizontal place.
(6) Irradiate Line Point to the Chart from telemeter.
(7) Adjust Chart to Line Point.
(8) Confirm if the chart center is on the LCD center.
* The camera in the picture is not X-T1.



<Step 1>
Select [L]:Level Adjustment in the adjustment item select screen.
Carry out the adjustment according to the adjustment software screen.

3-13. [E]:EVF Adjustment

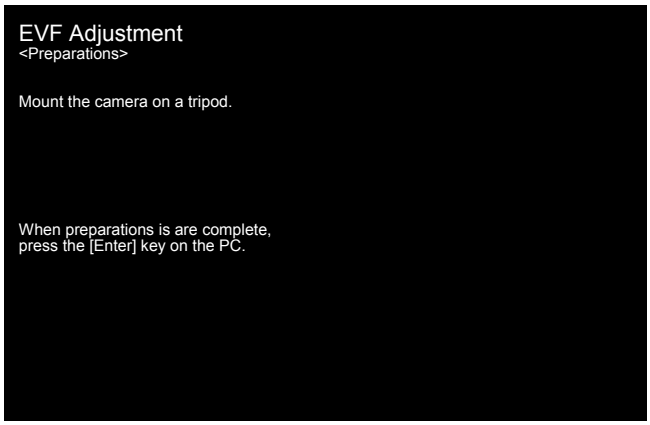
[Required items]

Camera fixing jig	
BATTERYPACK NP-W126 (fully charged)	FZ09206-100 (or 200 or 300)
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.

<Step 1>
Select [E]:EVF Adjustment in the adjustment item select screen.

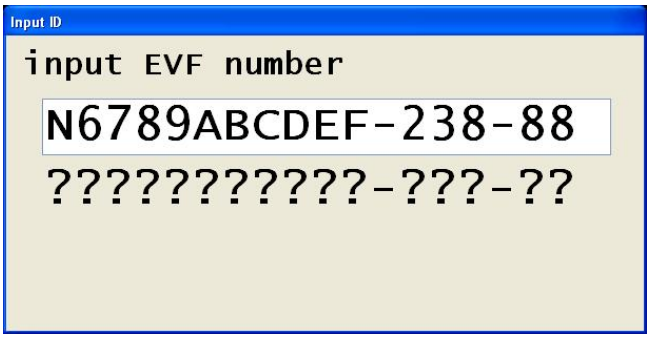
<Step 2>
[Preparing the EVF adjustment]
Mount the camera on the XY stage or a tripod.

When you have completed the preparations, press the [Enter] key to proceed.



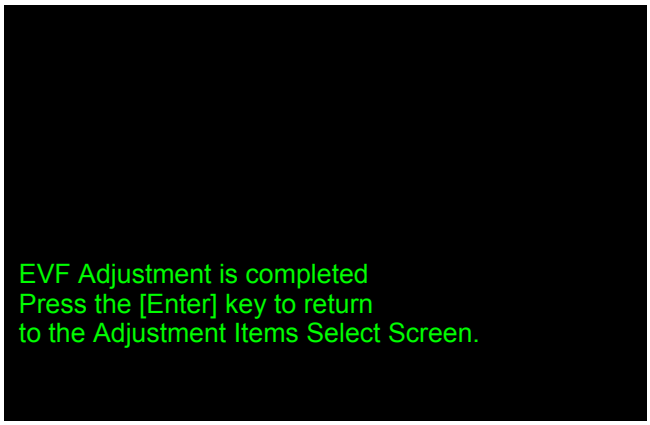
<Step 3>
[EVF Number input]
Enter the EVF number (18 digits including hyphens) written down in [3-5-4. Obtaining the EVF number].

Press the [Enter] key to proceed.



<Step 4>
[Ending EVF Adjustment]

After completing the adjustments, press the [Enter] key to proceed.
The adjustment item select screen will appear.



3-14.[P]:Phase Detection Adjustment

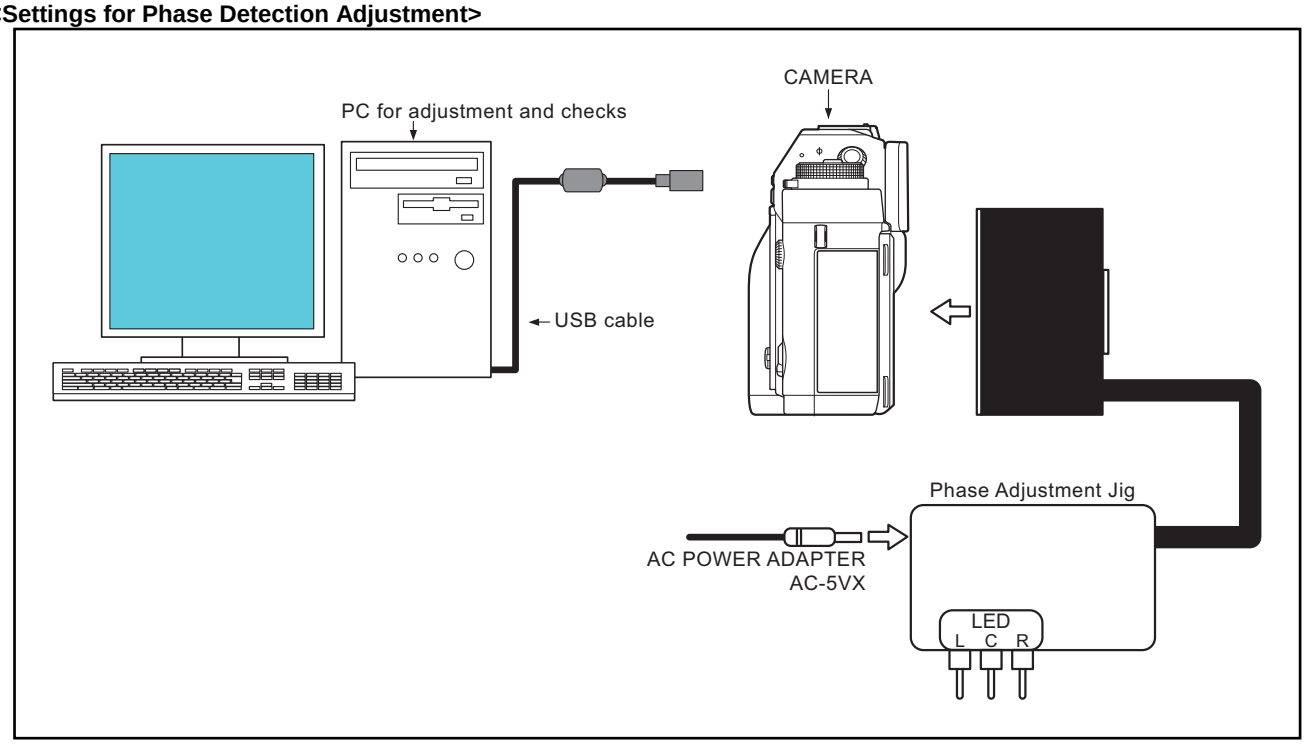
[Adjustment environment and precautions]

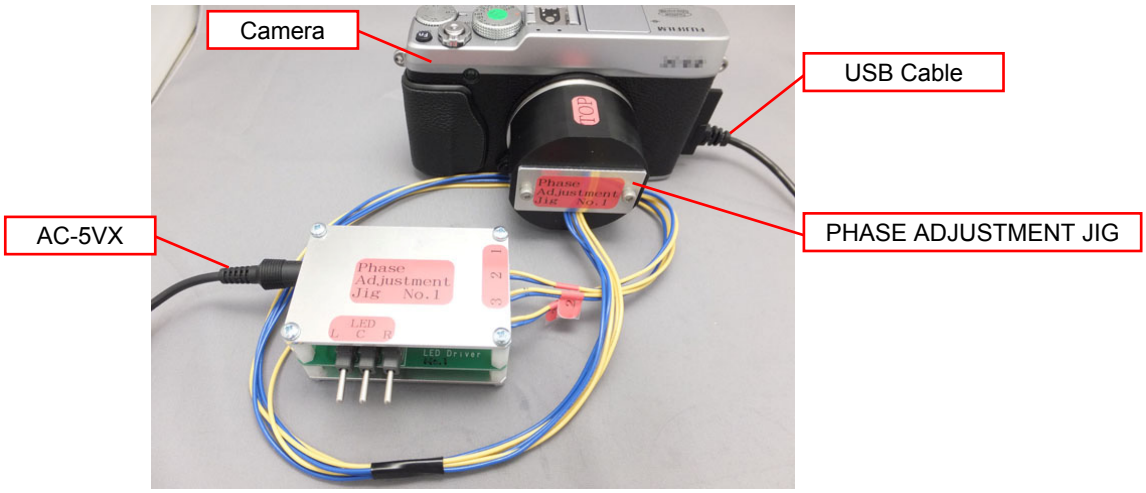
- Be sure to use AC POWER ADAPTER AC-5VX when supplying electric power to PHASE ADJUSTMENT JIG.

[Required items]

Camera fixing jig	
PHASE ADJUSTMENT JIG	ZJ02234-100
AC POWER ADAPTER AC-5VX	ZJ02243-100 (Be sure to use the AC-5VX)
BATTERYPACK NP-W126 (fully charged)	FZ09206-100 (or 200 or 300)
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.

<Settings for Phase Detection Adjustment>





* The camera in the picture is not X-T1.

<Step 1>

Select [P]:Phase Detection Adjustment in the adjustment item select screen.
Carry out the adjustment according to the adjustment software screen.

3-15. [F1]:Battery Voltage Adjustment

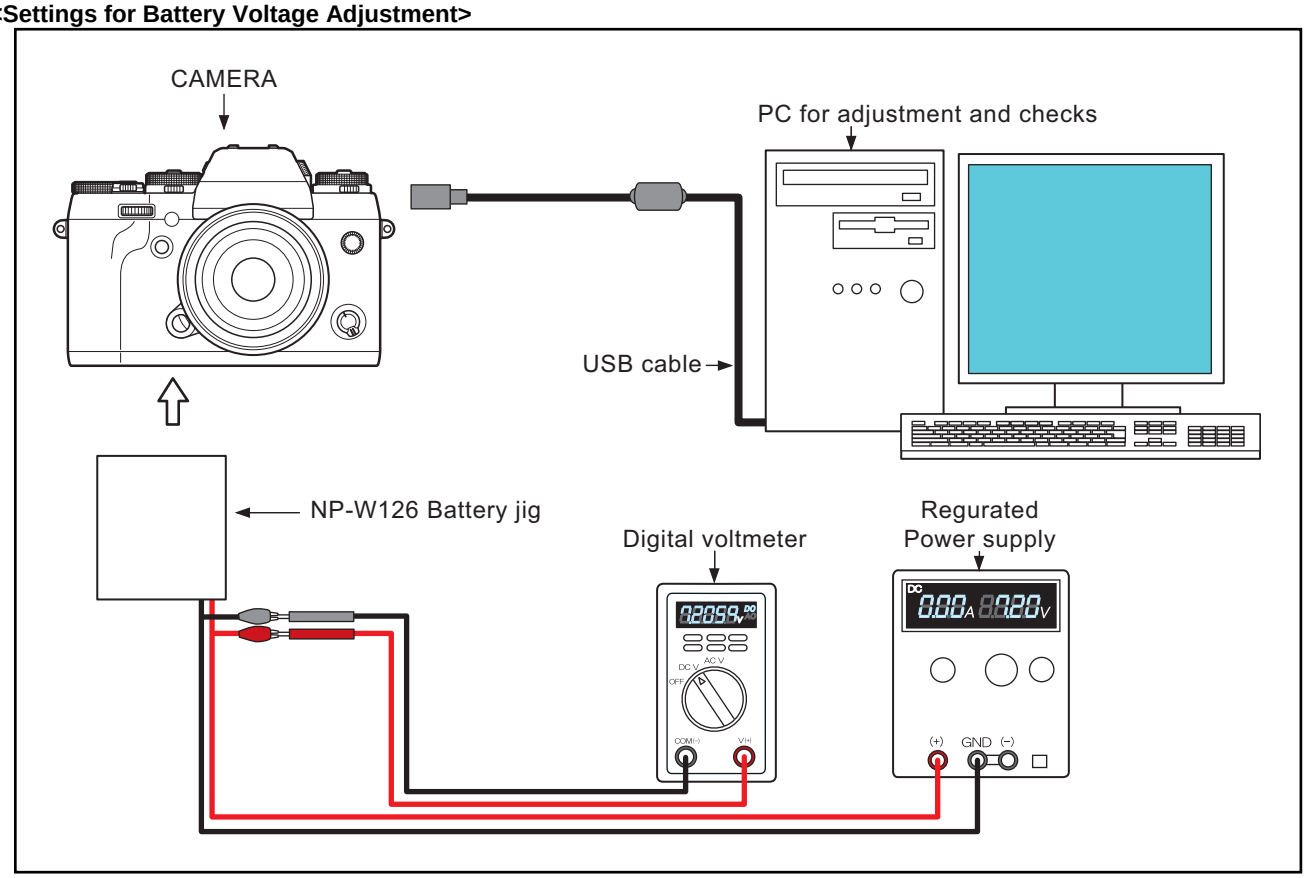
[Adjustment environment and precautions]

- If you have not used the battery jig until the just previous adjustment, pause the adjustment software (click “X” in the adjustment item select screen) and then turn the camera off.
  Then set the battery jig as the power supply (set the specified voltage) and then restart the adjustment software.
- Measure the voltage at the battery jig clip position.
- Ensure that do not decrease suddenly the voltage provided by the regulated power supply during adjustment. If the voltage drops significantly below the specified voltage, the camera will turn off and communication between the adjustment software and the camera will be interrupted and an error will occur.

[Required items]

Camera fixing jig	
Regulated power supply	
Digital Voltmeter	
NP-W126 Battery jig	ZJ01936-100
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.

<Settings for Battery Voltage Adjustment>



<Step 1>

Select [F1]:Battery Voltage Adjustment in the adjustment item select screen.
Carry out the adjustment according to the adjustment software screen.

* If you don’t use the battery jig, pause the adjustment software (Ctrl+A) and then proceed to the “Jig Mode Setup Screen” in the adjustment software.
Set the digital voltmeter to voltage measurement mode and then connect the digital voltmeter to the battery jig clip.
Check if the regulated voltage of the digital voltmeter is set to 7.2 V. Then set the battery jig in the camera and again turn it on in Jig mode. Then proceed to Battery Voltage Adjustment.

3-16. [F8]:Firmware Download

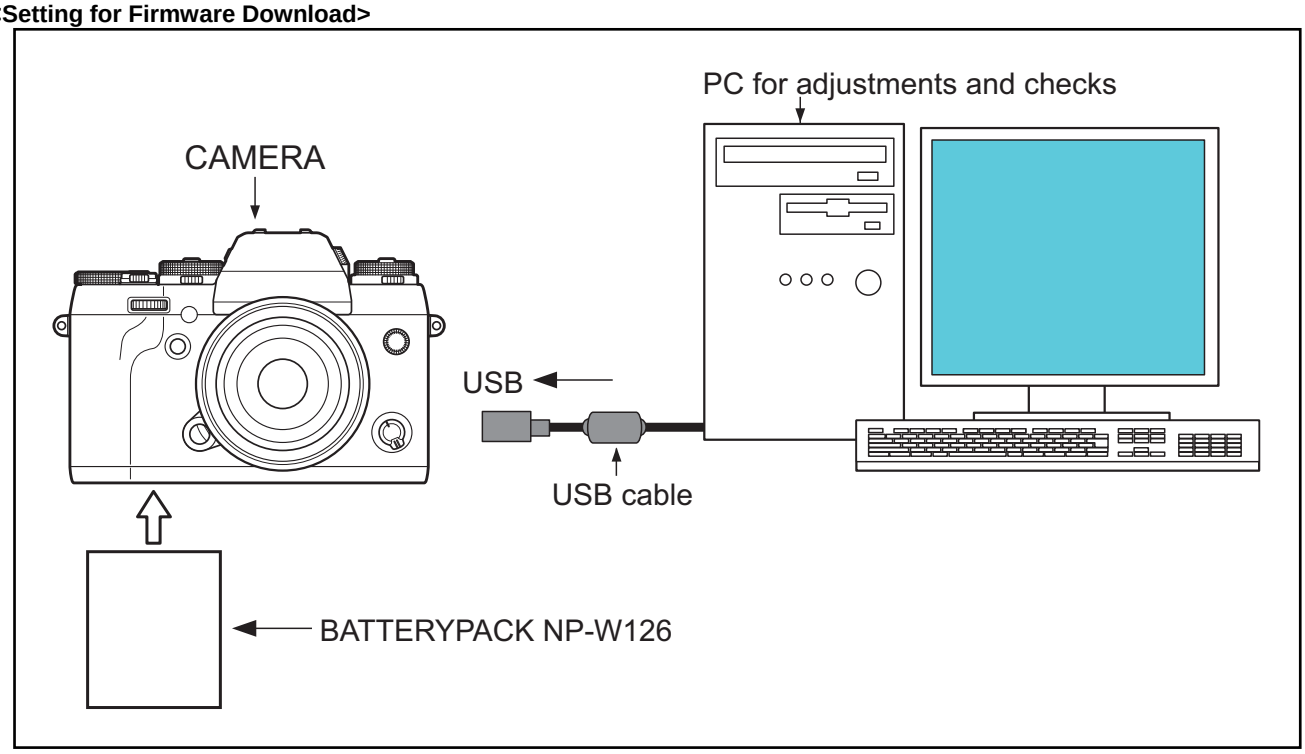
[Adjustment environment and precautions]

- Carry out a firmware download when instructed to do so.
  Depending on the firmware to be upgraded, it may be necessary to conduct adjustments for a camera or to reset the EEPROM.
- Do not turn the camera off during firmware download.
  Turning the camera off while a download is in progress could damage the camera. (In the worst case, it may no longer be possible to turn the camera on.)

[Required items]

BATTERYPACK NP-W126 (fully charged)	FZ09206-100 (or 200 or 300)
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.

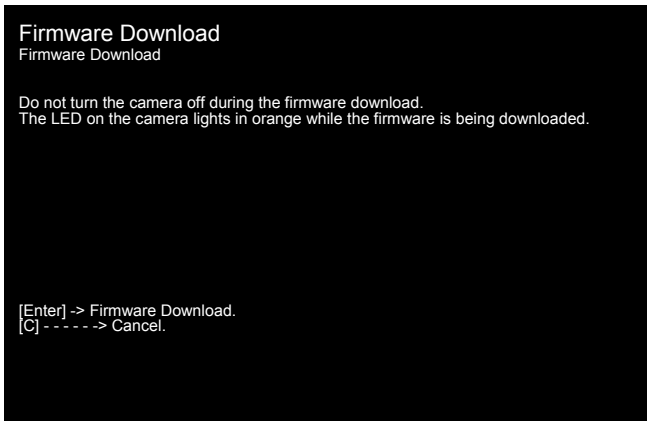
<Setting for Firmware Download>



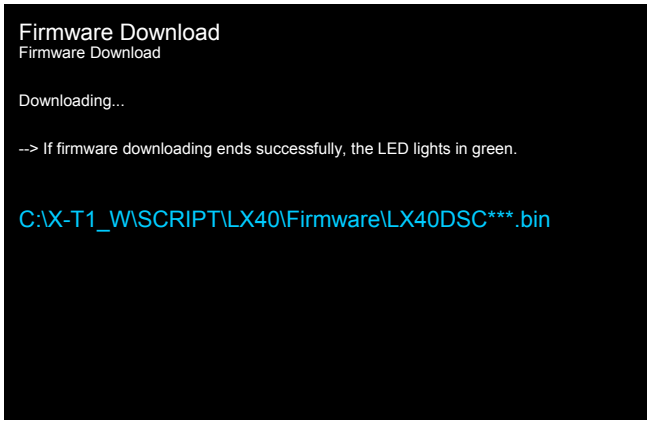
<Step 1>
Select [F8]:Firmware Download in the adjustment item select screen.

<Step 2>
[Checking Firmware Download]
Do not turn the camera off during the firmware download.
The LED on the camera lights in orange while the firmware is being downloaded.

Press the [Enter] key to begin “Firmware Download”.
Press the [C] key to cancel the procedure.

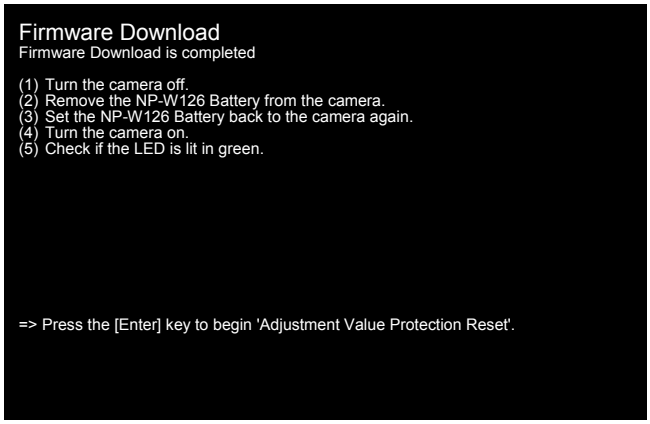


* The figure in the right is the window displayed during firmware downloading.
If firmware downloading ends successfully, the LED lights in green.



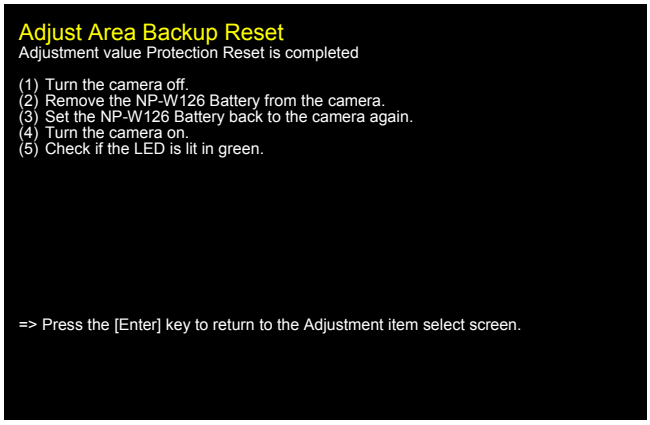
<Step 3>
[Ending Firmware Download]
(1) Turn the camera off.
(2) Remove the NP-W126 Battery from the camera.
(3) Set the NP-W126 Battery back to the camera again.
(4) Turn the camera on.
(5) Check if the LED light in green.

Press the [Enter] key to begin “Adjustment Value Protection Reset”.



<Step 4>
[Checking Adjustment Value Protection Reset]
To apply the firmware, reset the EEPROM with the adjustment values protected.
(1) Turn the camera off.
(2) Remove the NP-W126 Battery from the camera.
(3) Set the NP-W126 Battery back to the camera again.
(4) Turn the camera on.
(5) Check if the LED lights in green.

Press the [Enter] key to return to the Adjustment item select screen.



3-17.[F12]:End Setting

[Details]

- **Default destinations of camera**
  Set the default destination for a camera according to its serial number.
- **USB_ID Write**
  Every USB device (the camera in this case) must be globally unique as a USB device. To ensure this, the USB standard requires that a device-specific ID be assigned to each device.
- **Switching from repair mode to product mode**
  Changes the mode from the repair mode (JIG mode) during carrying out the adjustment to product mode (the mode is to allows a PC to recognize the camera as a PTP or Mass Storage device).
- **Repair site ID Write**
  The repair site ID which was set in the first adjustment is written to the camera. The settings are shown in the table below. (In the End Setting procedure, Repair site ID Write is not required.)
- **Writing [MAC Address] of WLAN MODULE to the Camera**

Item	Details			
Repair Data	Date information is acquired from the PC and written.			
Administrator ID	01(01)			
Repair Station	U.S.A.	61(a)	SAPPORO	30(0)
	CANADA	62(b)	KURIHARA	32(2)
	HAWAII	63(c)	TOKYO	33(3)
	TAIWAN	64(d)	OSAKA	35(5)
	BRITAIN	66(f)	FUKUOKA	38(8)
	GERMANY	67(g)	OTHER	7A(z)
	FRANCE	68(h)		
	SPAIN	69(i)		
	ITALY	6A(j)		
	NETHERLANDS	6B(k)		
	BELGIUM	6C(l)		
	SWEDEN	6D(m)		
	SWITZERLAND	6E(n)		
	NORWAY	6F(o)		
	FINLAND	70(p)		
	SINGAPORE	71(q)		
	CHINA	74(t)		
Repair Serial No.	A serial No. is assigned automatically and written			

[Adjustment environment and precautions]

- The End Setting procedure must always be carried out after adjustment is completed.
  If End Setting is not carried out, the camera will not be recognized as a PTP or Mass Storage device when it is connected to a PC.

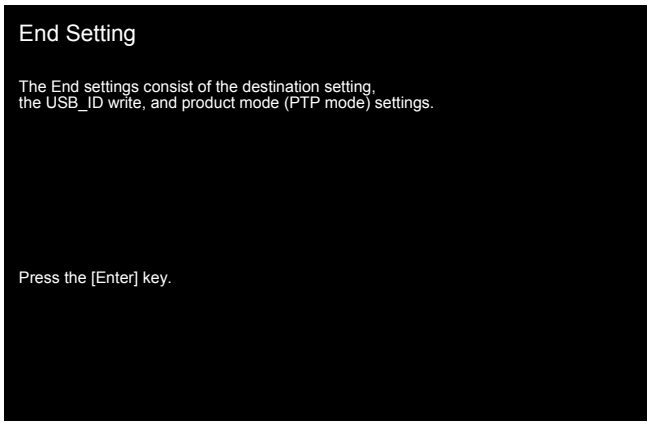
[Required items]

BATTERYPACK NP-W126 (fully charged)	FZ09206-100 (or 200 or 300)
FUJINON LENS XF35mmF1.4 R	Use the latest version of the firmware.

<Step 1>
Select [F12]:End Setting in the adjustment item select screen.

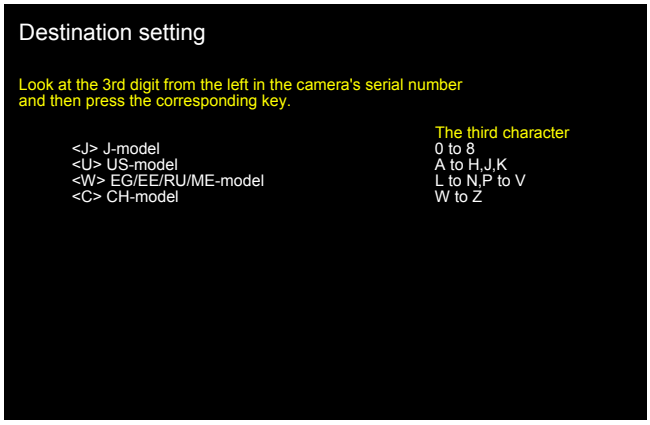
<Step 2>
[Checking End Setting]

Press the [Enter] key to proceed.



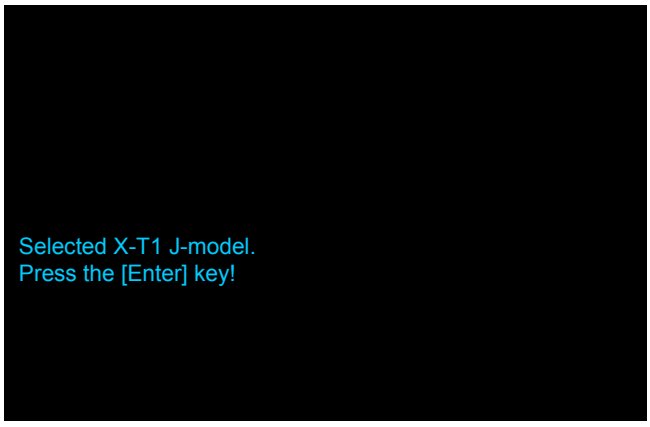
<Step 3>
[Destination setting]
Look at the 3rd digit from the left in the camera's serial number and then press the corresponding key.

Selected key	Destination	3rd digit in serial no.
J	J-model	0 to 8
U	US-model	A to H,J,K
W	EG/EE/RU/ME-model	L to N,P to V
C	CH-model	W to Z



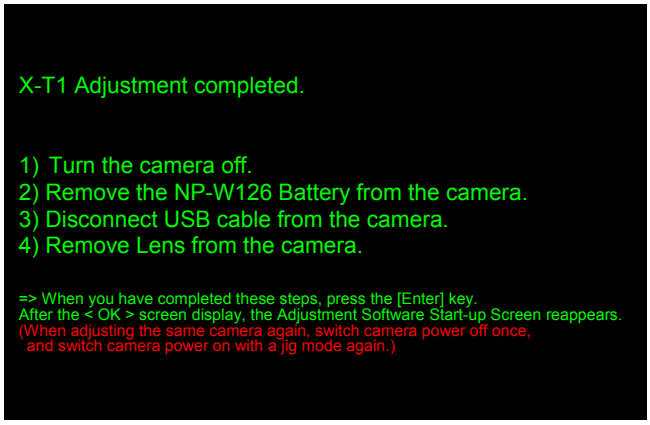
<Step 4>
[Checking the USB_ID and destination]

Press the [Enter] key to proceed.



<Step 5>
[Ending Adjustment]
(1) Turn the camera off.
(2) Remove the NP-W126 Battery from the camera.
(3) Disconnect the USB cable from the camera.
(4) Remove Lens from the camera.

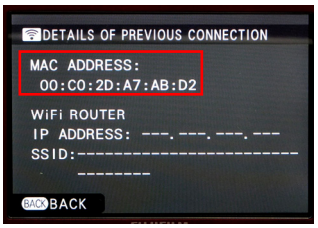
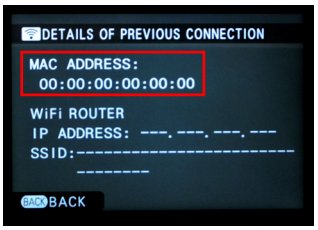
When you have completed these steps, press the [Enter] key.
After the "OK" appears the Adjustment Software Start-up Screen will appear.
(When adjusting the same camera again, turn the camera off once, and turn the camera on with a jig mode again.)



4. Inspection

4-1. Inspection

Sequence	Item	Mode	Preparations for adjustment (measurement points, subject, other)	Method of adjustment (VRs, waveforms, required values)	Measuring equipment and jigs
1	Battery low check	Auto mode	(1) Set the power supply voltage. (2) Connect the power supply jig to the battery terminal. (3) Turn the camera on. (4) Set the pre-end voltage. (5) Turn the camera off.	(1) Set to 7.80 V ± 0.10 V. (3) Check if the camera starts up properly. (4) Set to 6.20 V ± 0.04 V. Check if the battery-low warning (pre-end) appears. (5) Check if the camera turns off.	Power supply ZJ01936-100 Digital voltmeter
2	Current consumption check	Auto mode	(1) Set the power supply voltage. (2) Turn the camera on. (3) After the LCD live image appears, check the current consumption. (4) Turn the camera off.	(1) Set to 7.80 V ± 0.05 V. (3) 500 mA or less (4) Check if the camera turns off.	Power supply ZJ01936-100 Digital voltmeter Ammeter
3	Checking standby current	Power off	(1) Check the power supply voltage. (2) Check the standby current when the power is OFF.	(1) Set to 7.80 V ± 0.10 V. (2) 1mA or less	Power supply ZJ01936-100 Digital voltmeter Ammeter
4	WiFi communication checking	Playback	(1) Set the power supply voltage. (2) Insert a SD card and close the card cover. (3) Turn the camera on. (4) If a message appears asking for the language and date to be set, press the button mentioned in the right. (5) Press the <MENU/OK> button. (6) Select “WIRELESS COMMUNICATION” from the menu.	(1) Set to 7.80 V ± 0.10 V. (2) An image has to be recorded in the SD card. (4) <DISP/BACK> (6) Check whether the radio wave of WiFi is sent or not by using a WiFi device.	Power supply ZJ01936-100 ZPU0512-100 Recommendation of the WiFi device. * Smart phone, iPod, iPad etc.

Sequence	Item	Mode	Preparations for adjustment (measurement points, subject, other)	Method of adjustment (VRs, waveforms, required values)	Measuring equipment and jigs
5	MAC ADDRESS check	Playback	(1) Press the <DISP/BACK> button. (2) Press the <MENU/OK> button. (3) Select “WIRELESS SETTINGS” -> “PC AUTO SAVE SETTINGS” -> “DETAILS OF PREVIOUS CONNECTION” from the menu. (4) Turn the camera off.	(3) Check if the MAC ADDRESS is set. * Good example  * Bad example: In case of “00:00:00:00:00:00”.  	

* If a customer points out other things, check the thing additionally compared to a product.

4-2. Resolution Inspection

<Settings for Resolution Inspection>

(1) Cut FxX100 Line Chart (ZJ01848-100) like figure 2, and stick on a board of 1,204.1mm X 796.9mm.
(2) Refer to figure 1 on the right, prepare a camera and the resolution chart.
(3) Light the resolution chart to make the luminance of chart surface 500-850 lx at the center of the chart and 0 to +400 lx in the periphery compared to the center.

[Example]

In case that the luminance of center is 600LX, the luminance of the periphery should be set to 600 ~ 1000LX.

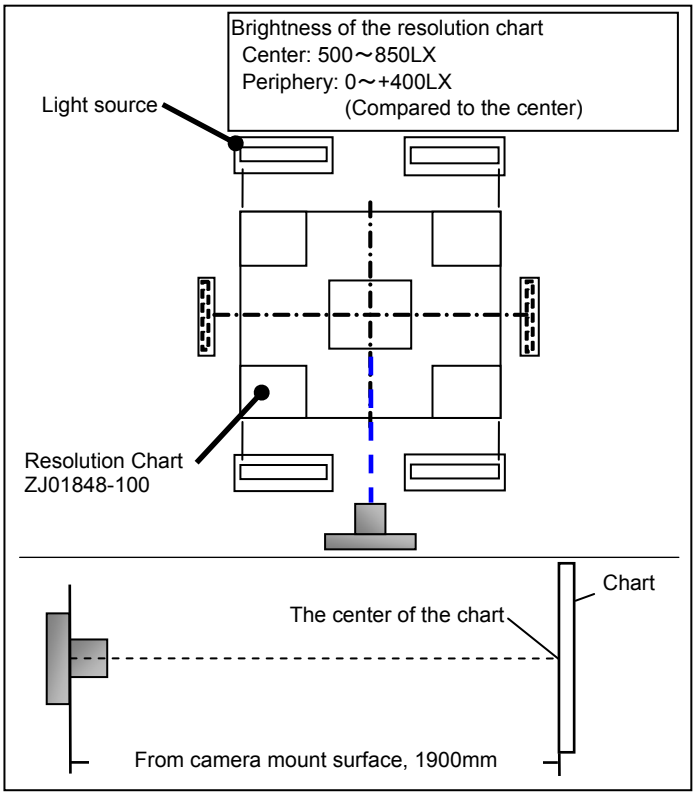


Figure. 1

<Step 1>

[Preparation of Resolution Inspection]

(1) Attach 35mm lens.
(2) Set a battery and an SD card to the camera.
(3) Turn the camera on.
(4) Carry out the reset of camera from MENU.
(5) Set the camera as follows:
    1. Shooting mode: A (Aperture Priority)
    2. Aperture value: F4
    3. Drive dial: S
    4. Self-timer: 2sec
    5. Other: Default
(6) Fix the camera to a tripod, and point it to the resolution chart.
(7) Set the resolution chart with the angle of view of LCD like figure 2.
(8) Take an image.
    * When a self-timer starts, do not touch the camera.

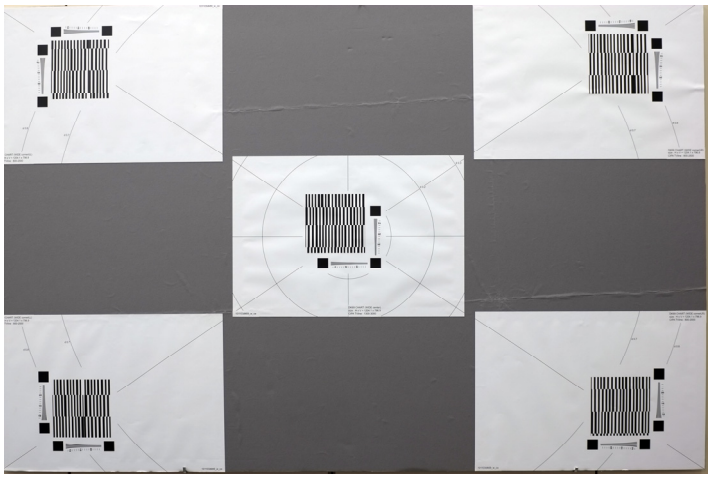
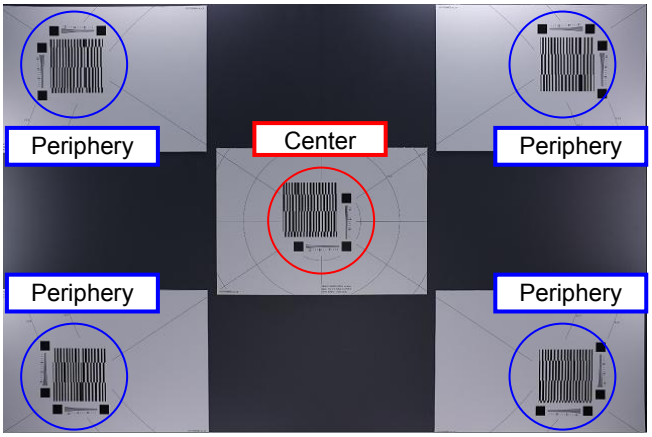
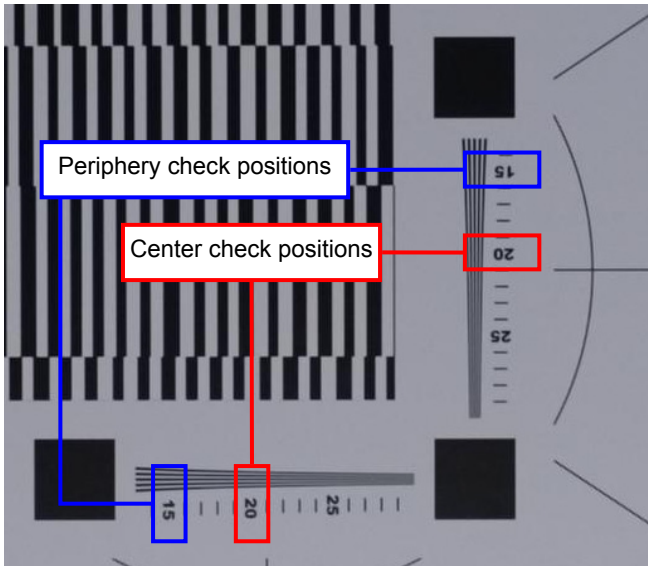


Figure. 2

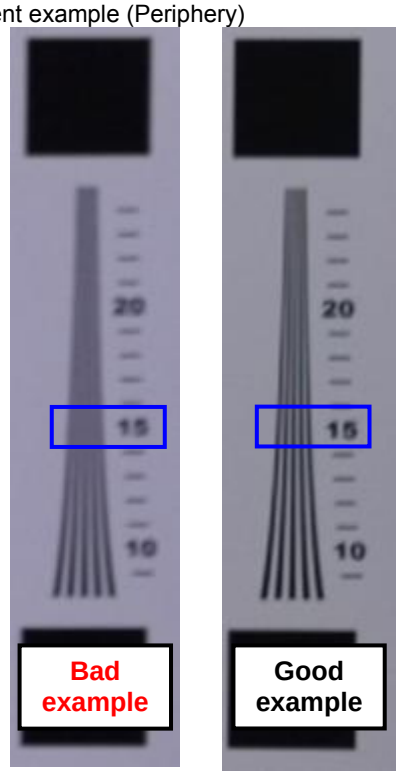
<Step 2>
[Resolution Inspection]

(1) Check the resolution at the center and periphery of the image with a monitor of a PC.
[SPEC] * Check the image at actual size.
Center: At the check positions of “20”, the lines can be seen separately.
Periphery: At the check positions of “15”, the lines can be seen separately.





* A judgment example (Periphery)



<Step 3>
[Completing Resolution Inspection]
If OK, carry out the following.
(1) Carry out the reset of Camera from MENU.
(2) Turn the camera off.
(3) Take the camera from the tripod.
(4) Take out the battery and the SD card.
(5) Close the cover of Battery and Terminal.
(6) Remove the 35mm lens.

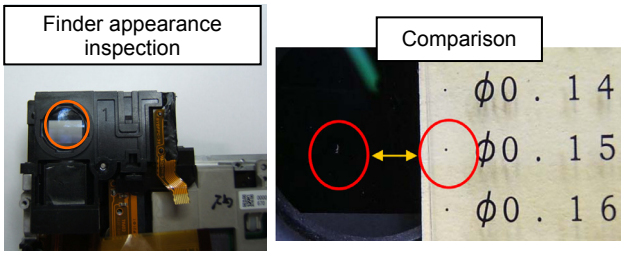
4-3. Finder dust Inspection

<Appearance of finder>

(1) Wipe the dust and dirt of the finder window.
(2) Compare size of dust and dirt with appearance inspection sample chart.

[Standard of finder appearance inspection]

- OK to the size of Φ0.15mm or smaller.
- The number of Φ0.10 to 0.15mm size no more than two.



4-4. CMOS Cleaning and Inspection Procedures

CMOS is incorporated with this model as an image sensor. Dust etc. could stick to the CMOS and depending on shooting conditions and the type of subject, it could be recorded in images.
If it is the case, the CMOS needs to be cleaned.

4-4-1. Visual Inspection for Dusts and Cleaning method

<Step 1>
Check if the camera is switched off and remove the battery.

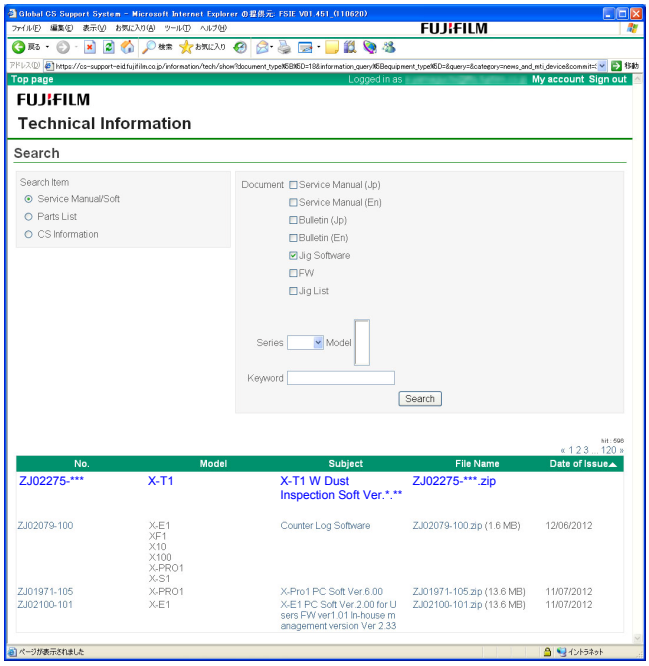
<Step 2>
Remove the interchangeable lens from the camera.

<Step 3>
Hold the camera so that light goes to the CMOS and check if there are dusts on the CMOS surface either visually or by using a microscope.
If dusts can be seen, use a blower to remove it ([Note]).
If the dusts cannot be removed using the blower, wipe the CMOS with a lens cleaner (OLYMPUS HYPER CLEAN EE-3310 or Equivalent goods) and ZS00172-100 CLEANING PAPER or Equivalent goods.
Do not use a blower with a brush.
Using a blower-brush to clean the CMOS could scratch the CMOS surface.

[Note]
When swiping the CMOS, note that any metallic dusts on the CMOS surface will cause scratches in the CMOS surface during cleaning.

4-4-2. Installation of X-T1 W Dust Inspection Soft Ver.*.**

<Step 1>
Download the adjustment software from the WEB, and install it to the PC.
We have uploaded the “PC Inspection Software (ZJ02275-***.zip) for X-T1 W Dust Inspection Soft Ver.*.**” on our website: (https://cs-support-eid.fujifilm.co.jp).



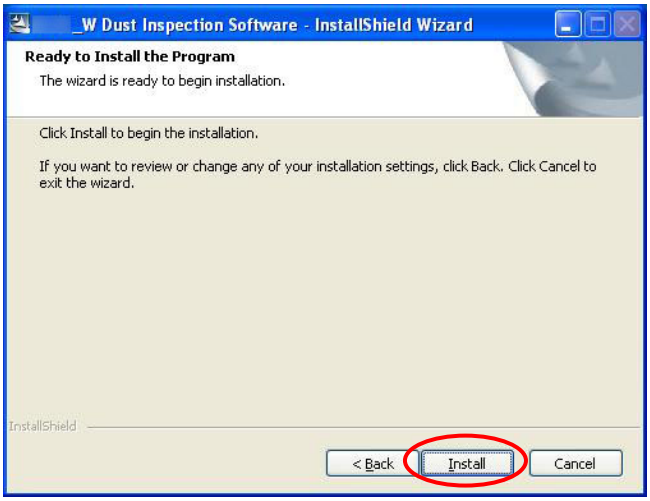
<Step 2>
Decompress “ZJ02275-***”.
Copy the “ZJ02275-***” folder to the “C” drive on the PC.

<Step 3>
Double-click the “Setup_X-T1_W_DustInspection_***.exe” inspection software installer file in the “ZJ02275-***” folder.

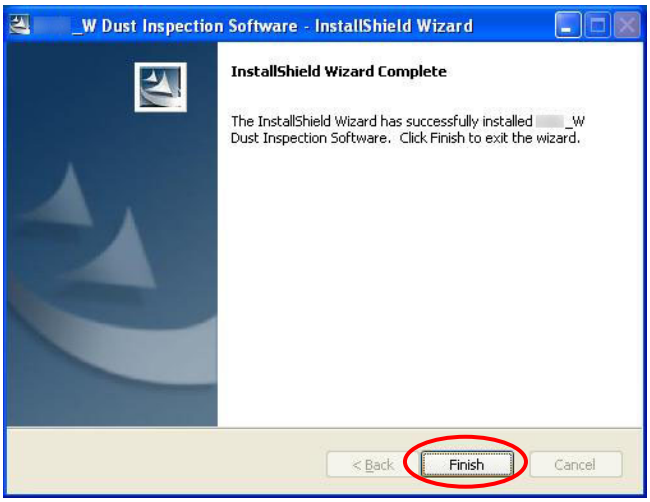
<Step 4>
When the window shown on the right appears, click [Next].



<Step 5>
When the window shown on the right appears, click [Install]. (Installation begins.)



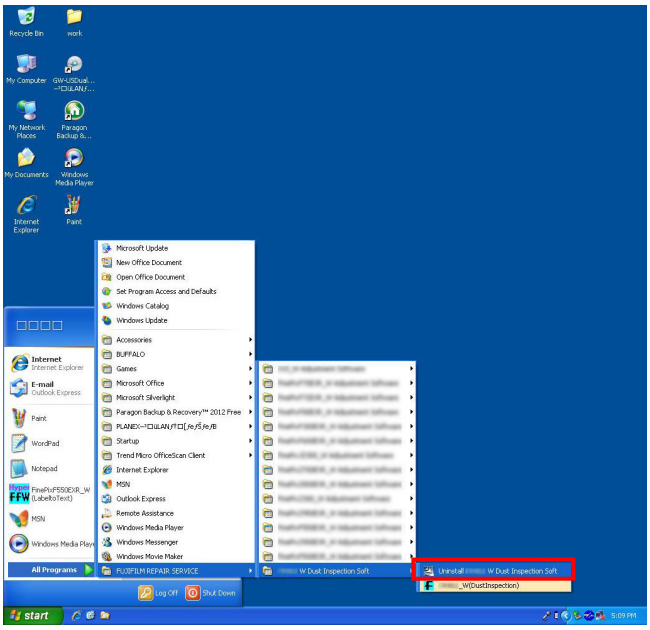
<Step 6>
When installation ends and the window shown on the right appears, click [Finish].



4-4-3. Uninstalling X-T1 W Dust Inspection Soft Ver.*.**

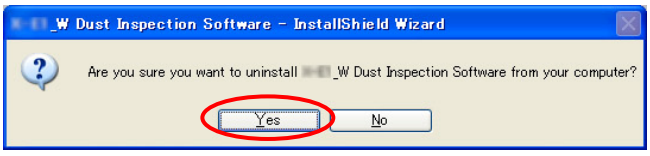
<Step 1>

Start
↓
Programs
↓
FUJIFILM REPAIR SERVICE
↓
X-T1_W Dust Inspection Software
↓
Uninstall X-T1_W Dust Inspection Software



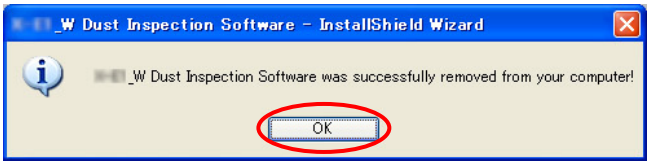
<Step 2>

When the window shown on the right appears, click [Yes].
(Uninstallation begins.)



<Step 3>

When uninstallation ends and the window shown on the right appears, click [OK].



* In some cases, uninstalling the software does not remove all the files.
To completely remove all the files, delete the C:\X-T1_W_DustInspection folder after the uninstallation.

4-4-4. Inspection of Dusts by the Shooting Test

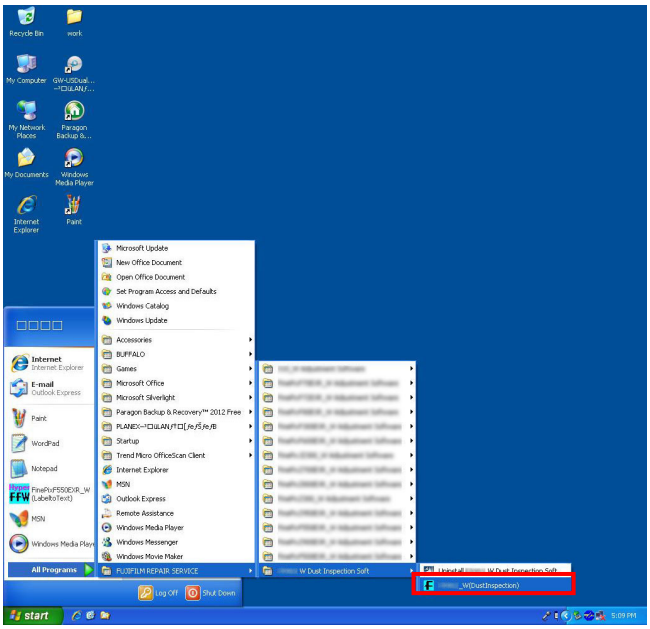
Apply the software to cameras and lenses with the latest firmware version of them.

<Step 1>

Mount XF35mmF1.4 R lens on the camera.

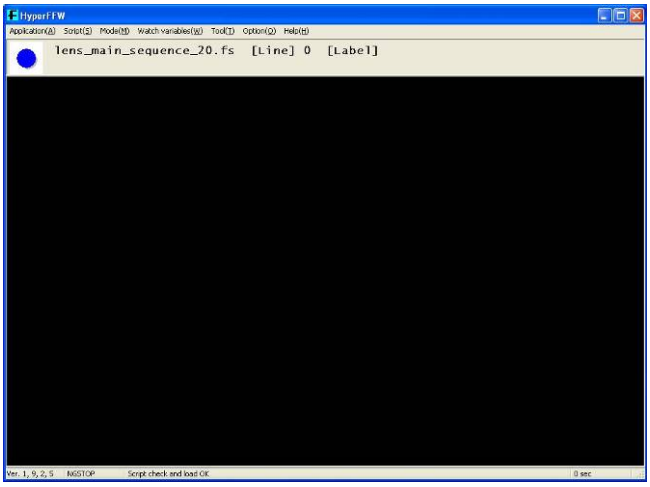
<Step 2>

Click: Start
↓
Programs
↓
FUJIFILM REPAIR SERVICE
↓
X-T1_W Dust Inspection Software
↓
X-T1_W(DustInspection)



<Step 3>

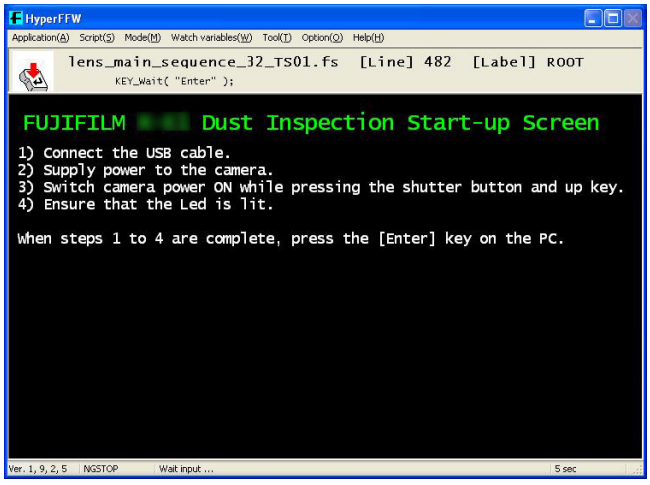
If this procedure stops at the window in the right, press the [Enter] key to proceed.



<Step 4>

1. Connect the camera to the PC using the “USB cable”.
2. Supply power to the camera.
3. Turn the camera on while holding down the shutter button and selector up key (▲).
4. Confirm if the LED is on in green.

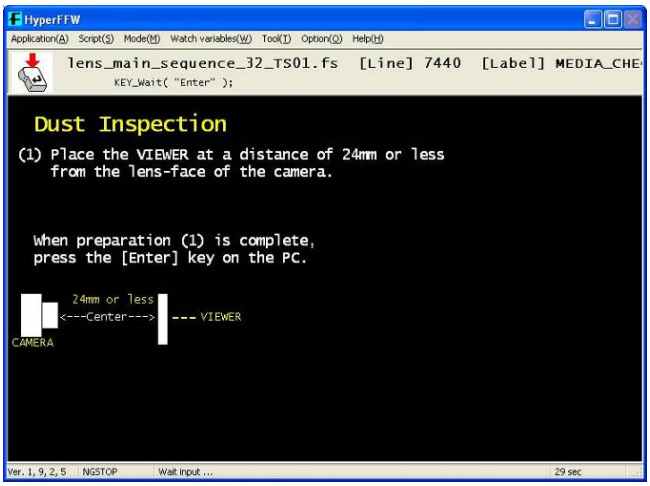
After completing steps 1 to 4, press the [Enter] key to proceed.

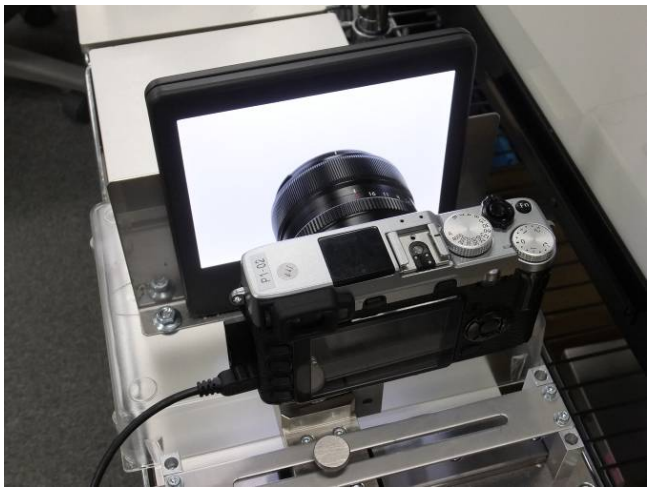


<Step 5>

(1) Place the VIEWER at a distance of 24mm or less from the lens-face of the camera.

After completing step 1, press the [Enter] key to proceed.





* The camera in the picture is not X-T1.

<Step 6>

[OK]

If the inspection is OK, the window in the right will appear.

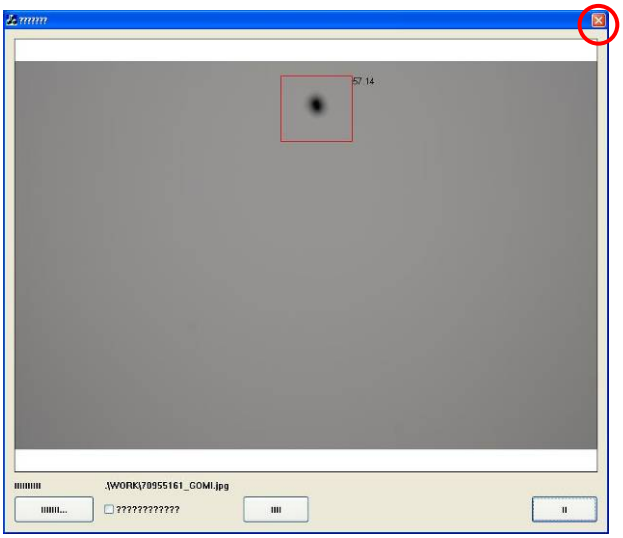


[NG]

If the inspection is NG, the window in the right will appear showing the location of dusts.



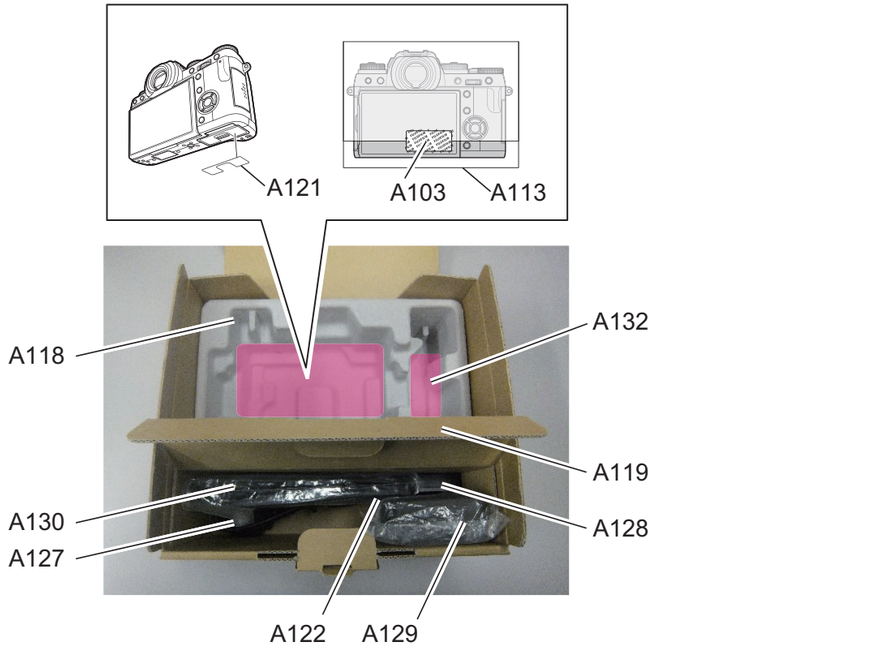
(1) Check the location of dusts and close the window.
(2) Remove dusts and inspect again.
    * The captured image is saved in C:\X-T1_W_DustInspection\SCRIPT\LX40/GOMI\JPG.



<Step 7>
(1) Turn the camera off.
(2) Disconnect the USB cable from the camera.

[Note]
In a normal environment, dusts could stick to the CMOS surface.
Therefore, customers could complain about dusts on the CMOS and ask you to remove them again just after you have removed the dusts and they use their cameras.
In order to prepare such cases, we recommend you to take pictures before and after you clean the CMOS. Depending on cases, we think you need to show those pictures to customers.

MEMO

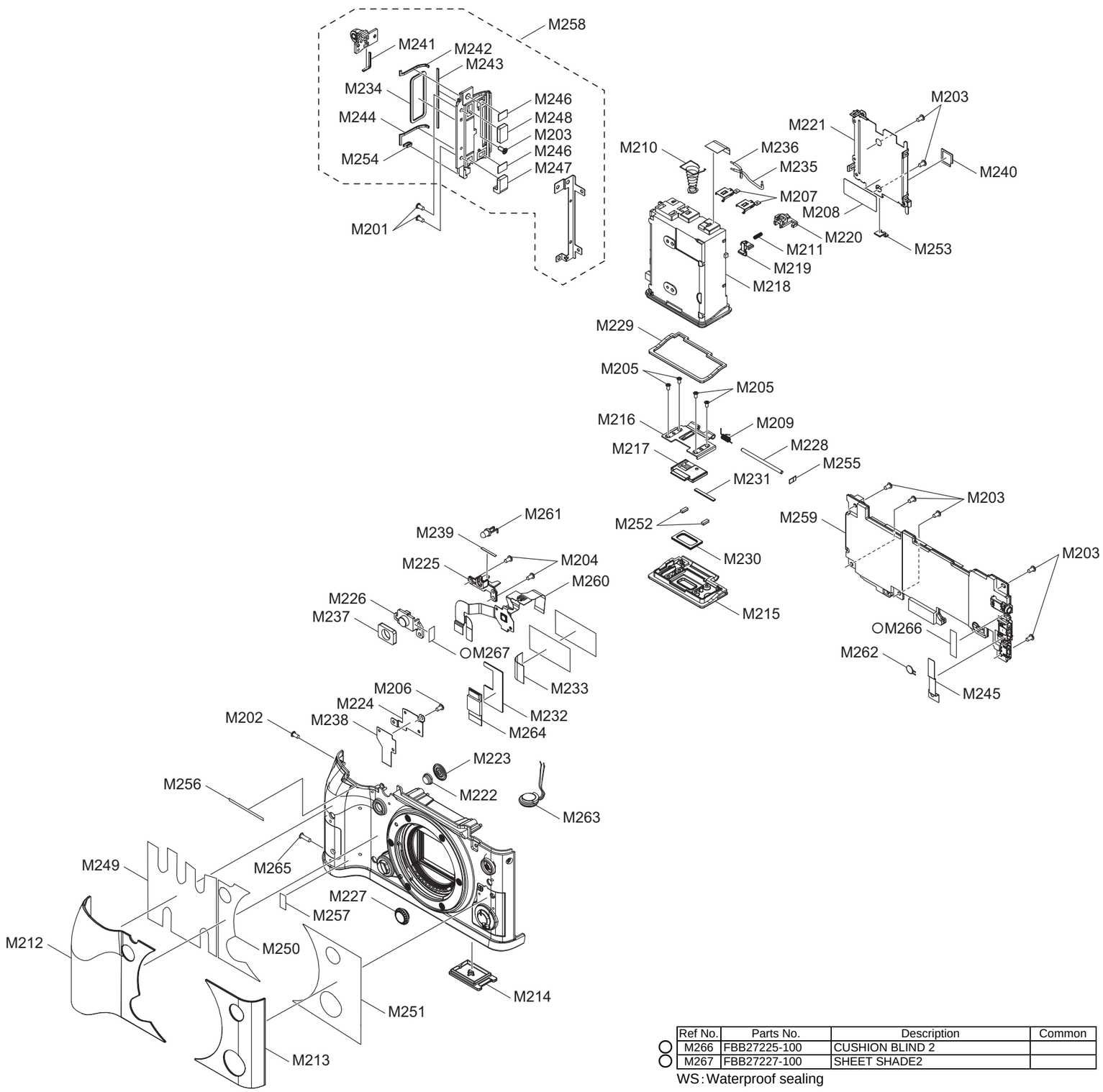


5. Parts List

5-1. Packing and Accessories

Ref No.	Parts No.	Description	US	EE	EG	ME	RU	CH	JP	Common
A101	FBB19104-105	REGULATION SEAL						1		
A102	FBB25817-101	REGULATION SEAL(ME)				1				
A103	FBB19704-101	CERTIFICATION SEAL	1	1	1	1	1			
A104	FBB21304-100	WARRANTY JP							1	
A104	FBB23778-101	WARRANTY CN CD-SIZE2						1		
A105	FBB21384-102	RU STICKER					1			
A106	FBB23193-100	BARCODE LABEL			1	1	1	1	1	
A107	FBB23194-100	BARCODE LABEL	1	1						
A108	FBB23334-100	PRG_ACC_CDSIZE_01		1	1	1	1			
A109	FBB23777-101	US WARRANTY CD-SIZE2	1							
A110	FBB23779-100	US STOP CD-SIZE1	1							
A111	FBB23780-104	CH SERVICE NETWORK 4						1		
A112	FBB23781-103	WWN_PRINT CD-SIZE3	1	1	1	1	1			
A113	FBB24774-100	HDPE BAG 190X200	1	1	1	1	1	1	1	
A114	FBB24776-100	RUSSIA-WARRANTY					1			
A115	FBB25496-100	LDPE BAG NO.10	1	1	1	1	1	1	1	
A116	FBB25668-100	MY FUJIFILM PAPER							1	
A117	FBB26414-100	U.BOX Y-31001	1	1	1	1	1	1	1	
A118	FBB26415-100	MOLDED PULP Y-31001	1	1	1	1	1	1	1	
A119	FBB26416-100	PARTITION Y-31001	1	1	1	1	1	1	1	
A120	FBB26417-100	U.BOX PAD Y-31001	1	1	1	1	1	1	1	
☆	~~A121~~	~~FBB26540-101~~	~~LABEL PD W~~	~~1~~						~~1~~
	A121	FBB26540-201	LABEL PD E		1	1	1			
☆	A121	FBB26540-300	LABEL PD CH	1					1	1
	A122	FBF08577-100	UNIT BELT RING	1	1	1	1	1	1	1
	A123	FBL04602-100	LX40 CD-ROM	1	1	1	1	1	1	1
	A124	FBL04700-100	LX40 OM JP							1
	A124	FBL04701-100	LX40 OM EN	1	1	1	1			
	A124	FBL04705-100	LX40 OM ZHS						1	
	A124	FBL04718-100	LX40 OM RU					1		
	A125	FBL04704-100	LX40 OM ES	1						
	A126	FBL04722-100	LX40 OM AR				1			
	A127	FFZ05432-401	POWER SUPPLY CORD						1	
	A127	FFZ06708-100	AC POWERCORD							1
	A127	FFZ06708-301	AC POWERCORD		1			1		
	A127	FFZ06708-401	AC POWERCORD			1	1			
	A127	FFZ06894-101	AC POWERCORD	1						
	A128	FFZ09206-101	BATTERYPACK NP-W126J							1
	A128	FFZ09206-201	BATTERYPACK NP-W126U	1						
	A128	FFZ09206-301	BATTERYPACK NP-W126W		1	1	1	1	1	
	A129	FFZ09207-101	BATTERY CHARGER JU	1						1
	A129	FFZ09207-201	BATTERY CHARGER BC-W126		1	1	1	1	1	
	A130	FFZ09365-100	SHOULDER BELT Y10241	1	1	1	1	1	1	1
	A131	FBL04610-100	LX40_RESTRICT_INS	1	1	1	1	1	1	1
	A132	FBF11357-100	EXTERNAL FLASH CONST	1	1	1	1	1	1	1

☆: Revised



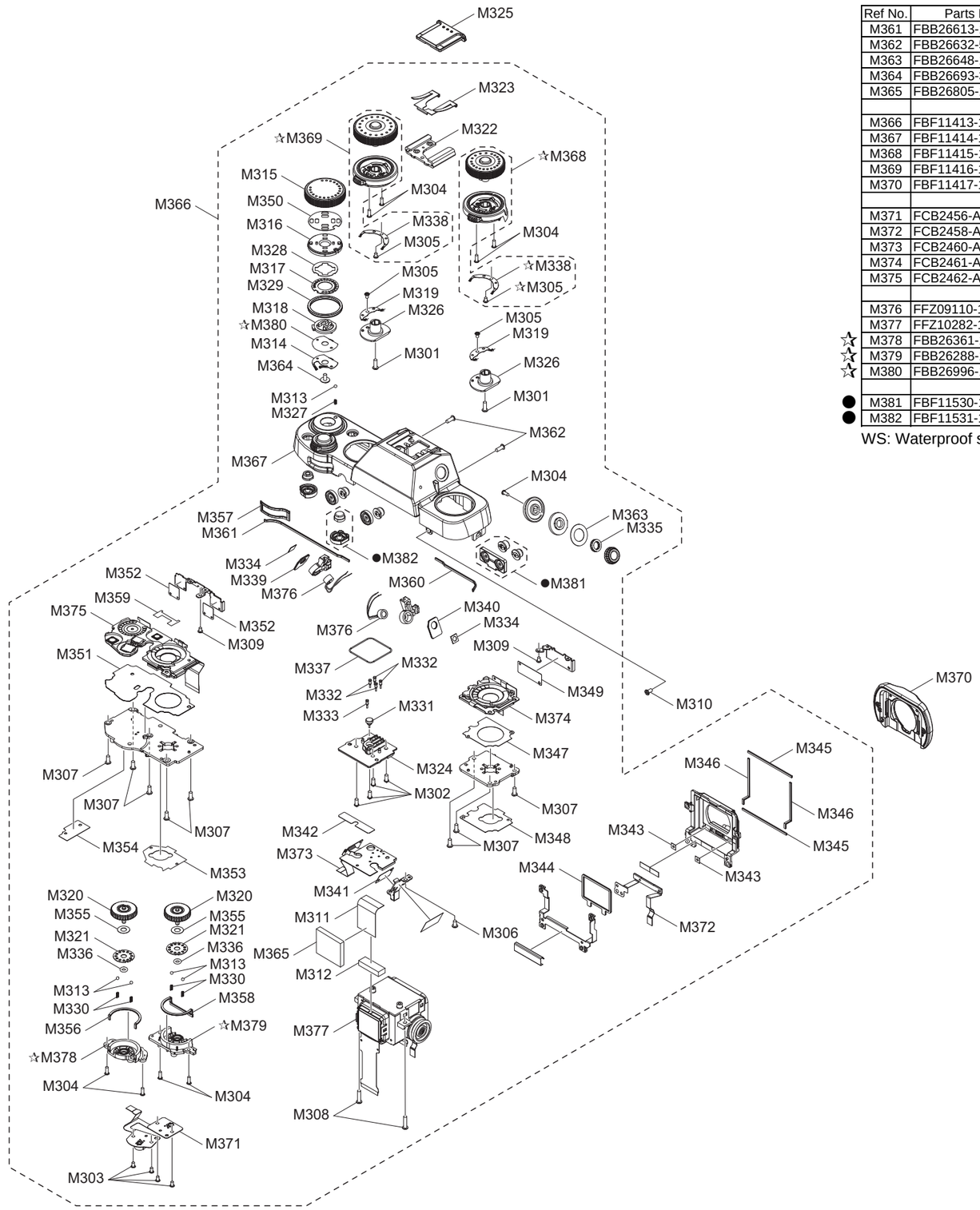
Ref No.	Parts No.	Description	Common
○ M266	FBB27225-100	CUSHION BLIND 2	
○ M267	FBB27227-100	SHEET SHADE2	

WS：Waterproof sealing

5-2. Mechanical Block 1

Ref No.	Parts No.	Description	Common
M201	FBB17681-300	BT2M1.7X3.5	
M202	FBB20921-400	N-MSGM1.7X4.0	
M203	FBB21217-200	MS2M1.7X3.0	
M204	FBB21217-400	MS2M1.7X4.0	
M205	FBB22172-100	PS2AM1.4X2.5B	
M206	FBB22550-A00	MS2M1.4X2.0	
M207	FBB22606-100	PSP CONTACT BATT	
M208	FBB23154-200	LABEL BATT	
M209	FBB24264-500	TSP COVER BATT 4	
M210	FBB24470-200	CSP EJECT BATTERY	
M211	FBB24626-200	CSP LOCK BATT 2	
M212	FBB26255-100	GRIP FRONT R	
M213	FBB26256-100	GRIP FRONT L	
M214	FBB26260-100	COVER FPC BOTTOM	
M215	FBB26312-100	COVER BATTERY	
M216	FBB26313-100	PLATE COVER BATT	
M217	FBB26314-100	LOCK COVER BATT	
M218	FBB26315-100	HOLDER BATTERY	
M219	FBB26316-100	LOCK BATTERY	
M220	FBB26317-100	HOLDER LOCK BATTERY	
M221	FBB26318-100	PLATE HOLDER BATT	
M222	FBB26321-100	BUTTON FRONT FN	
M223	FBB26322-100	RUBBER FRONT FN	WS
M224	FBB26323-100	PLATE BUTTON FN	
M225	FBB26331-100	HOLDER LED	
M226	FBB26332-100	WINDOW AF	
M227	FBB26336-100	CAP SYNCHRO TERMINAL	
M228	FBB26387-100	SHAFT COVER BATT	
M229	FBB26394-100	CUSHION BATTERY 1	WS
M230	FBB26395-100	SHEET LOCK BATT	WS
M231	FBB26396-100	CUSHION BATTERY 2	WS
M232	FBB26399-100	TAPE PWB WLAN	
M233	FBB26400-100	SHEET CU WLAN	
M234	FBB26406-100	CUSHION CARD	WS
M235	FBB26407-100	HARNESS BATT +	
M236	FBB26408-100	HARNESS BATT -	
M237	FBB26562-100	CUSHION WP WINDOW AF	WS
M238	FBB26563-100	TAPE FPC WLAN 1	
M239	FBB26564-100	TAPE FPC WLAN 2	
M240	FBB26566-100	SHEET PLATE HOLDER B	
M241	FBB26568-100	CUSHION WP STRAP R	WS
M242	FBB26569-100	CUSHION WP COVER R 1	WS
M243	FBB26570-100	CUSHION WP COVER R 2	WS
M244	FBB26571-100	CUSHION WP COVER R 3	WS
M245	FBB26625-100	SHEET EMC MAIN 1	
M246	FBB26645-100	SHEET WP COVER R 1	WS
M247	FBB26646-100	SHEET WP COVER R 2	WS
M248	FBB26647-100	SHEET WP COVER R 3	WS
M249	FBB26650-100	TAPE GRIP FRONT R 1	
M250	FBB26651-101	TAPE GRIP FRONT R 2	
M251	FBB26652-101	TAPE GRIP FRONT L	
M252	FBB26679-100	CUSHION BATTERY 3	WS
M253	FBB26680-100	CUSHION PLATE HOLD B	WS
M254	FBB26681-100	CUSHION WP COVER R 4	WS
M255	FBB26682-100	SHEET WP HOLDER BATT	WS
M256	FBB26715-100	TAPE GRIP FRONT R 3	
M257	FBB26934-100	TAPE GRIP FRONT R 4	
M258	FBF11410-100	CONST COVER CARD	WS
M259	FCB2453-A101	Y-31001 MAIN ASSY	
M260	FCB2463-A100	Y-31001 WLAN ASSY	
M261	FFQDL0153-01	LED	
M262	FFZ08891-100	BATTERY	
M263	FFZ10284-100	SPEAKER	
M264	N.S.	DWM-W094(WLANMODULE)	
M265	FBB22178-800	BTDM1.7X6.0	

○: Revised



Ref No.	Parts No.	Description	Common
M361	FBB26613-100	CUSHION WP TOP 2	WS
M362	FBB26632-500	MSEM1.7X4.5H	
M363	FBB26648-100	TAPE BUSH DIAL	WS
M364	FBB26693-300	BTY5M1.7X3.5	
M365	FBB26805-100	CUSHION OL 2	
M366	FBF11413-100	CONST TOP	WS
M367	FBF11414-100	CONST ASSY CASE TOP	WS
M368	FBF11415-100	CONST DIAL ISO	WS
M369	FBF11416-100	CONST DIAL SPEED	WS
M370	FBF11417-100	CONST EYE PIECE	
M371	FCB2456-A101	COMMAND ASSY	
M372	FCB2458-A100	EYES FPC ASSY	
M373	FCB2460-A100	TOP C ASSY	
M374	FCB2461-A100	TOP L ASSY	
M375	FCB2462-A101	TOP R ASSY	
M376	FFZ09110-100	MIC	
M377	FFZ10282-100	EVF UNIT	
☆ M378	FBB26361-100	HOLDER COMMAND F	
☆ M379	FBB26288-100	HOLDER COMMAND R	
☆ M380	FBB26996-100	PLATE SPACER	
● M381	FBF11530-100	CONST PLAY DEL	
● M382	FBF11531-100	CONST BUTTON FN	

WS: Waterproof sealing

5-3. Mechanical Block 2

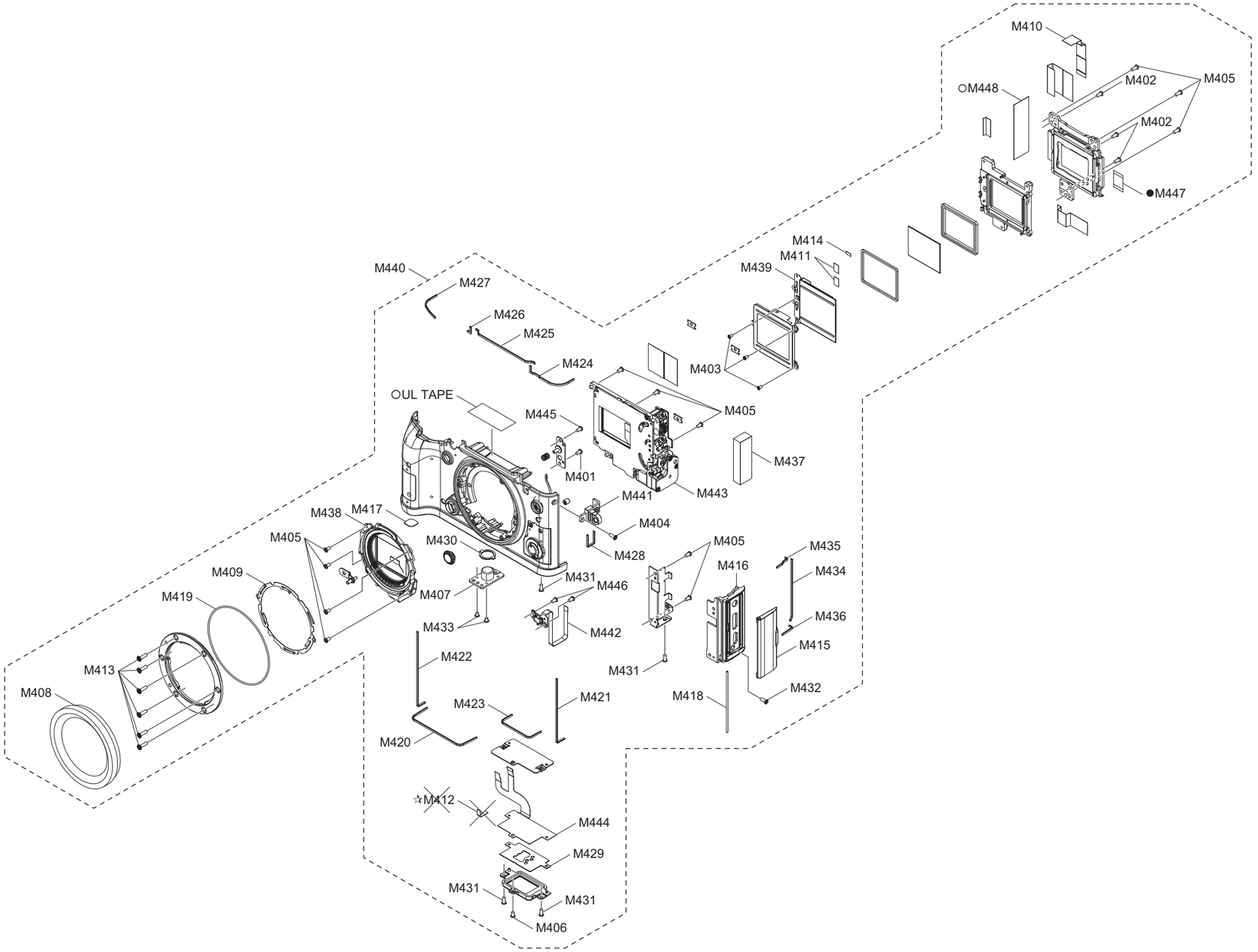
Ref No.	Parts No.	Description	Common
M301	FBB17681-600	BT2M1.7X5.0	
M302	FBB19995-300	MS1M1.7X3.5	
M303	FBB20680-100	PS2AM1.4X2.5	
M304	FBB20680-400	PS2AM1.4X4.0	
M305	FBB20680-A00	PS2AM1.4X2.0	
M306	FBB21217-200	MS2M1.7X3.0	
M307	FBB21217-400	MS2M1.7X4.0	
M308	FBB21217-F00	MS2M1.7X7.0	
M309	FBB22550-A00	MS2M1.4X2.0	
M310	FBB24341-A00	MSGM1.7X2.0B	
M311	FBB25205-200	SHEET CU OL	
M312	FBB25206-200	CUSHION OL	
M313	FBB25902-200	BALL EXPOSURE 3	
M314	FBB25904-100	TERMINAL DIAL 2	
M315	FBB26262-100	DIAL TOP EXPOSURE	
M316	FBB26263-100	BASE DIAL EXPOSURE	
M317	FBB26264-100	PLATE CLICK EXPOSURE	
M318	FBB26265-100	HOLDER TERMINAL	
~~M319~~	~~FBB26272-100~~	~~TERMINAL DIAL SPE~~	
☆ M319	FBB26272-100	TERMINAL DIAL U	
M320	FBB26286-100	DIAL COMMAND	
M321	FBB26287-100	PLATE DIAL COMMAND	
M322	FBB26289-100	SHOE	
M323	FBB26290-100	COVER SHOE	
M324	FBB26291-100	HOLDER SHOE	
M325	FBB26293-100	CAP SHOE	
M326	FBB26360-100	HOLDER DIAL	
M327	FBB26364-200	CSP EXPOSURE 2	
M328	FBB26365-100	TAPE DIAL EXPOSURE	
M329	FBB26366-100	CUSHION DIALEXPOSURE	WS
M330	FBB26379-100	CSP CLICK COMMAND	
M331	FBB26380-100	SHAFT SHOE CENTER	
M332	FBB26381-100	SHAFT SHOE SIGNAL	
M333	FBB26382-100	SHAFT SHOE CHG	
M334	FBB26385-100	SHEET MIC	WS
M335	FBB26386-100	SHEET DIAL VIEW ADJ	WS
~~M336~~	~~FBB26486-100~~	~~O RING A~~	~~WS~~
★ M336	FBB26486-200	O RING A(SI)	WS
~~M337~~	~~FBB26489-100~~	~~O RING D~~	~~WS~~
☆ M337	FBB26489-200	O RING D(SI)	WS
M338	FBB26496-100	TERMINAL DIAL L	
M339	FBB26537-100	CUSHION MIC R	WS
M340	FBB26538-100	CUSHION MIC L	WS
M341	FBB26587-100	TAPE FPC TOP C 1	
M342	FBB26588-100	TAPE FPC TOP C 2	
M343	FBB26589-100	TAPE FPC EYE	
M344	FBB26590-100	CUSHION EVF	WS
M345	FBB26593-100	CUSHION WP EVF 1	WS
M346	FBB26594-100	CUSHION WP EVF 2	WS
M347	FBB26599-100	TAPE FPC TOP LEFT 1	
M348	FBB26600-100	TAPE FPC TOP LEFT 2	
M349	FBB26601-100	TAPE FPC TOP LEFT 3	
M350	FBB26602-100	TAPE BASE DIAL EXP	
M351	FBB26603-100	TAPE FPC TOP RIGHT 1	
M352	FBB26604-100	TAPE FPC TOP RIGHT 2	
M353	FBB26605-100	TAPE FPC TOP RIGHT 3	
M354	FBB26606-100	TAPE FPC TOP RIGHT 4	
M355	FBB26607-100	TAPE COMMAND DIAL	
M356	FBB26608-100	CUSHION WP COM F 1	WS
M357	FBB26609-100	CUSHION WP COM F 2	WS
M358	FBB26610-100	CUSHION WP COM R 1	WS
M359	FBB26611-100	CUSHION WP COM R 2	WS
M360	FBB26612-100	CUSHION WP TOP 1	WS

●: Revised

☆: Revised

★: Revised

5. Parts List

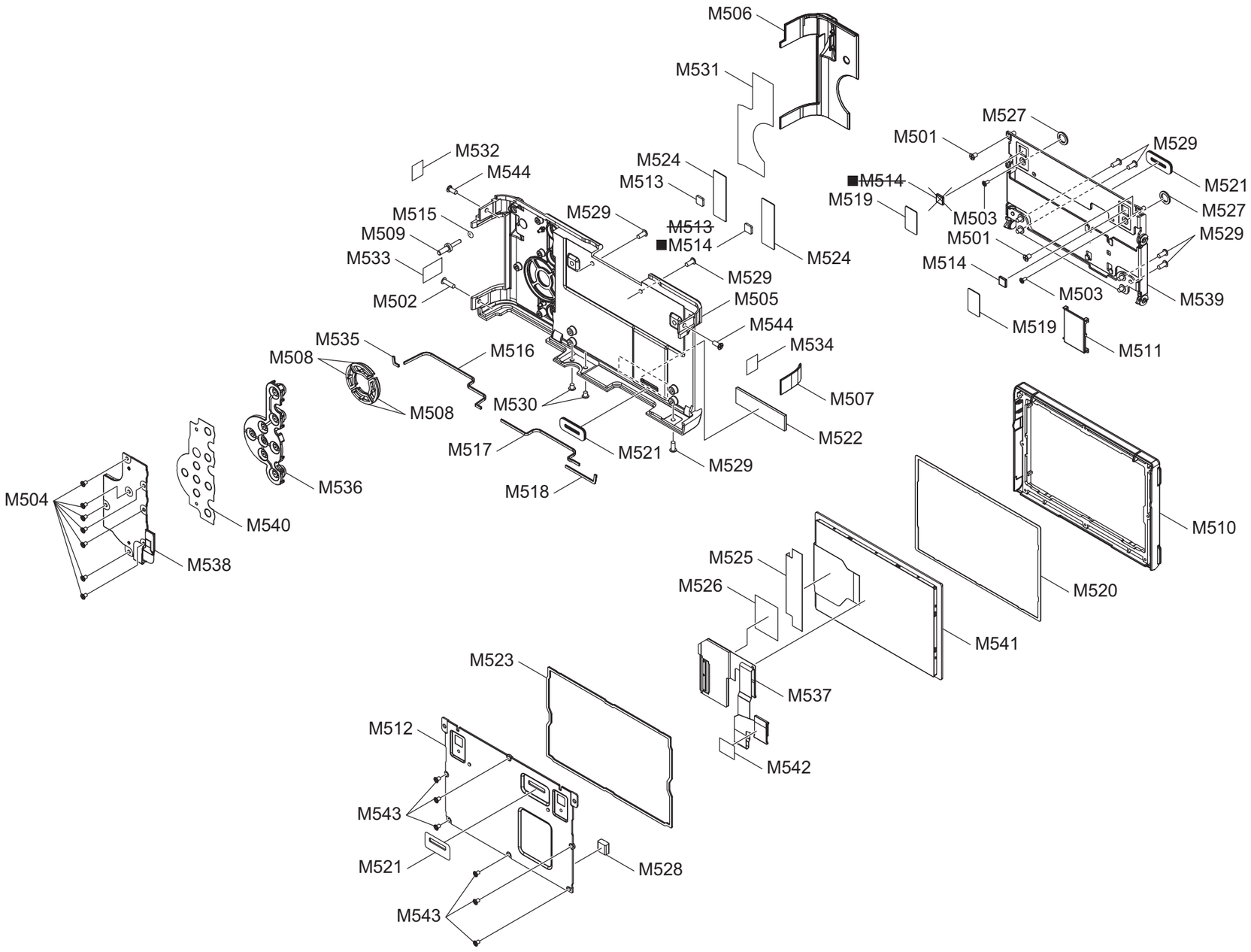


5-4. Mechanical Block 3

	Ref No.	Parts No.	Description	Common
	M401	FBB17335-200	BT2M1.7X3.0B	
	M402	FBB17681-300	BT2M1.7X3.5	
	M403	FBB20680-100	PS2AM1.4X2.5	
	M404	FBB20921-400	N-MSGM1.7X4.0	
	M405	FBB21217-400	MS2M1.7X4.0	
	M406	FBB22744-100	MSGM1.7X2.5	
	M407	FBB24148-100	TRIPOD SCREW	
	M408	FBB24166-300	CAP BODY	
	M409	FBB24168-200	PSP MOUNT	
	M410	FBB24178-200	SHEET CU	
	M411	FBB24452-400	TAPE FPC	
☆	~~M412~~	~~FBB24464-100~~	~~SHEET ESD LENS~~	
	M413	FBB24724-800	MS7M1.7X6.0	
	M414	FBB25785-100	TAPE FPC-MT	
	M415	FBB26261-100	COVER JACK	WS
	M416	FBB26347-100	COVER LEFT	
	M417	FBB26401-100	SHEET SPK	WS
	M418	FBB26403-100	SHAFT COVER JACK	
	M419	FBB26488-100	O RING C	WS
	M420	FBB26551-100	CUSHION WP F 1	WS
	M421	FBB26552-100	CUSHION WP F 2	WS
	M422	FBB26553-100	CUSHION WP F 3	WS
	M423	FBB26554-100	CUSHION WP F 4	WS
	M424	FBB26555-100	CUSHION WP F 5	WS
	M425	FBB26556-100	CUSHION WP F 6	WS
	M426	FBB26557-100	CUSHION WP F 7	WS
	M427	FBB26558-100	CUSHION WP F 8	WS
	M428	FBB26560-100	CUSHION WP STRAP L	WS
	M429	FBB26561-100	SHEET FPC BOTTOM	
	M430	FBB26565-100	CUSHION WP TRIPOD	WS
	M431	FBB26632-400	MSEM1.7X4.0H	
	M432	FBB26632-500	MSEM1.7X4.5H	
	M433	FBB26632-A00	MSEM1.7X2.0H	
	M434	FBB26676-100	CUSHION WP COVER L 1	WS
	M435	FBB26677-100	CUSHION WP COVER L 2	WS
	~~M436~~	~~FBB26678-100~~	~~CUSHION WP COVER L 3~~	~~WS~~
☆	M436	FBB26678-101	CUSHION WP COVER L 3	WS
	M437	FBB26819-100	CUSHION BLIND	
	M438	FBF09588-600	HOLDER MOUNT ASSY	
	M439	FBF09591-600	DR GLASS UNIT	
	M440	FBF11407-100	CONST ASSY F	WS
	M441	FBF11429-100	CONST STRAP LEFT	
	M442	FCB2454-A100	AF_FPC ASSY	
	M443	FFZ09105-201	FP SHUTTER	
	M444	FFZ10272-100	Y31001 BATT_GRIP FPC	
	M445	FBB21217-200	MS2M1.7X3.0	
	M446	FBB20680-100	PS2AM1.4X2.5	
●	M447	FFZ10274-100	Y31001 CMOS_FPC	
○	M448	FBB27226-100	SHEET SHADE1	

WS: Waterproof sealing

○: Revised
●: Revised
☆: Revised



5-5. Mechanical Block 4

Ref No.	Parts No.	Description	Common
M501	FBB18172-300	BTDM1.7X3.5B	
M502	FBB22178-800	BTDM1.7X6.0	
M503	FBB22744-100	MSGM1.7X2.5	
M504	FBB23950-100	MSAM1.4X2.5	
M505	FBB26236-100	CASE R BK Y-31001	
M506	FBB26257-100	GRIP REAR R	
M507	FBB26258-100	GRIP REAR L	
M508	FBB26341-101	BUTTON REAR CROSS	
M509	FBB26343-100	GUIDE LIGHT	
M510	FBB26344-100	CASE LCD F	
M511	FBB26346-100	HOLDER FPC LCD	
M512	FBB26359-100	PLATE LCD	
M513	FBB26362-100	PLATE MAGNET	
M514	FBB26409-100	MAGNET	
M515	FBB26490-100	O RING E	WS
M516	FBB26573-100	CUSHION WP REAR 1	WS
M517	FBB26574-100	CUSHION WP REAR 2	WS
M518	FBB26575-100	CUSHION WP REAR 3	WS
M519	FBB26577-100	SHEET MAGNET	
M520	FBB26578-100	TAPE LCD	
M521	FBB26579-100	CUSHION WP LCD 1	WS
M522	FBB26580-100	CUSHION WP LCD 2	WS
M523	FBB26581-100	CUSHION WP LCD 3	WS
M524	FBB26582-100	SHEET PLATE MAGNET	WS
M525	FBB26583-100	SHEET CU LCD	
M526	FBB26584-100	TAPE FPC JOINT LCD	
M527	FBB26585-100	CUSHION WP LCD SCREW	WS
M528	FBB26586-100	GASKET LCD	
M529	FBB26632-400	MSEM1.7X4.0H	
M530	FBB26632-A00	MSEM1.7X2.0H	
M531	FBB26653-100	TAPE GRIP REAR R 1	
M532	FBB26654-100	TAPE GRIP REAR R 2	
M533	FBB26655-100	TAPE GRIP REAR R 3	
M534	FBB26656-100	TAPE GRIP REAR L	
M535	FBB26683-100	CUSHION WP REAR 5	WS
M536	FBF11467-100	CONST BUTTON REAR	WS
M537	FCB2459-A100	Y31001 LCDTILT ASSY	
M538	FCB2467-A100	Y-31001 REARKEYASSY	
M539	FFZ10267-100	UNIT HINGE	
M540	FFZ10271-100	Y31001_KEYSHEET_REAR	
M541	FFZ10276-100	LCD	
M542	FFZ10289-100	Y31001 LCD_EMI SHEET	
M543	FBB22172-100	PS2AM1.4X2.5B	
M544	FBB20921-400	N-MSGM1.7X4.0	

WS: Waterproof sealing

■: Revised

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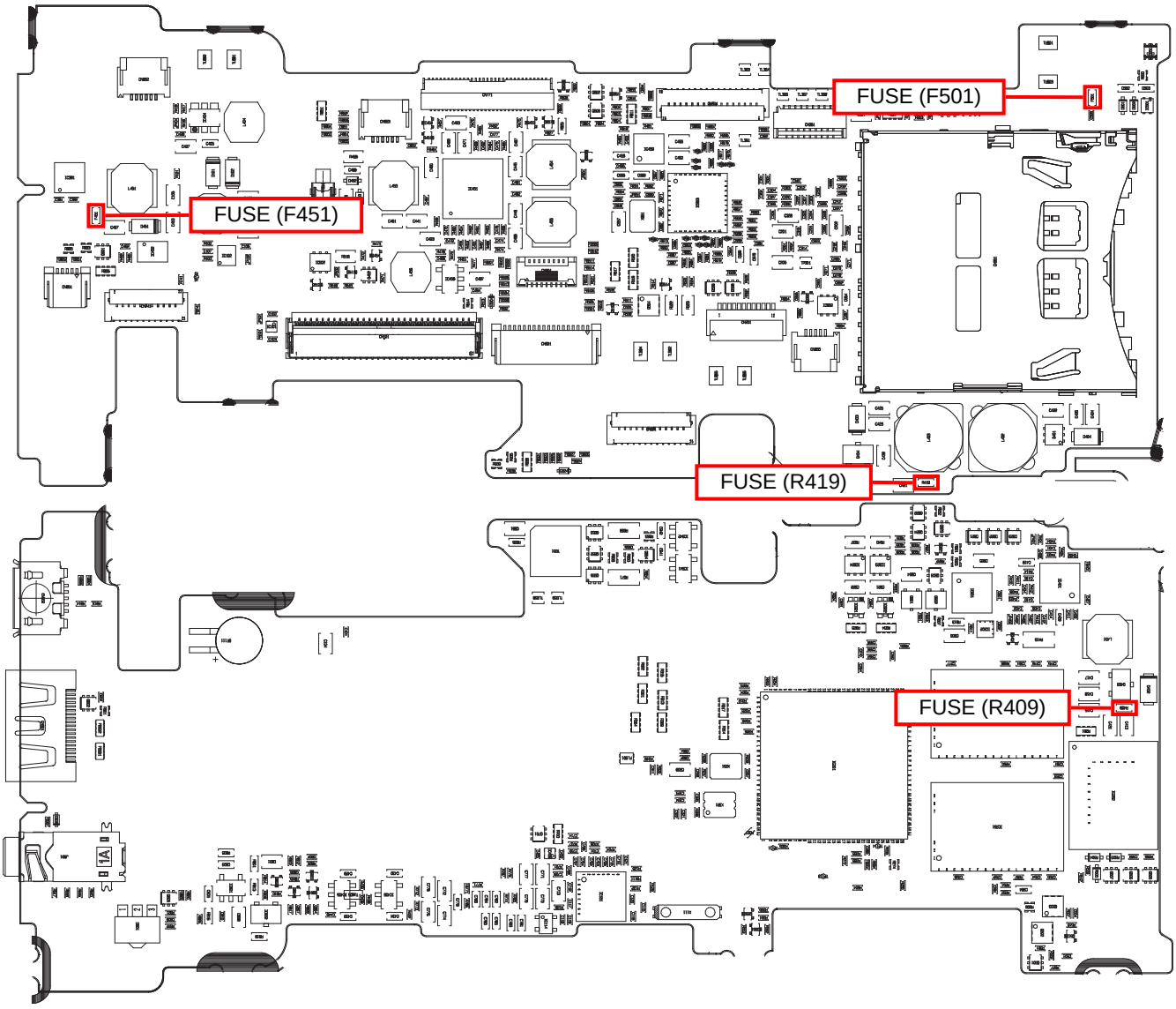
5-6. Electrical parts

[Note]

The components indicated by mark ⚠ are critical for safety.
When indicated parts by reference number, please include the board name.

*** Due to standardization, replacement in the parts list may be different from the parts list specified in the circuit or the components used on the set.**
*** Do not reuse removed parts. Always use new parts.**

Parts No.	Description	Comment
MAIN ASSY		
[FUSE]		
⚠ FFP00039-253	FUSE	F451
⚠ FFP00039-503	FUSE	F501
⚠ FFP00039-253	FUSE	R409
⚠ FFP00039-253	FUSE	R419



MEMO

6. Appendix

6-1. List of Related Technical Updates Issued

To ensure that after-sales service is performed accurately, keep a record here of the technical updates issued that cover this device.

Technical Update No.	Date	Title	Details/Other
2014-038	10 Mar 2014	Solution for Broken DIAL COMMAND and Revision of Spare Parts and Service Manual	★ Revised page: P5-3
2014-046	31 Mar 2014	Revision of Service Manual	☆ Revised page: P2-4, P2-35, P2-65 to P2-67, P2-81, P2-92, P2-108, P5-1 and P5-3 to P5-4
2014-053	17 Apr 2014	Revision of Inspection Software and Service Manual	● Revised page: P1-2, P2-9, P2-12, P2-66, P2-69, P2-88 to P2-89, P2-98 and P5-3 to P5-4
2014-061	05 Jun 2014	Addition of Parts Number and Revision of Service Manual	○ Revised page: P2-7, P2-14, P2-16, P2-69, P2-92 to P2-93, P2-96, P2-104 and P5-2 to P5-4
2014-088	19 Jun 2014	Revision of Service Manual	■ Revised page: P2-10, P2-13 to P2-14 and P5-5
2014-092	24 Jul 2014	Revision of Service Manual	□ Revised page: P2-119

FUJIFILM Corporation