SAMSUNG

DIGITAL CAMERA

SAMSUNG WB800F
WB800F VE

SERVICE Manual

DIGITAL CAMERA

CONTENTS

1. Repair information
2. Product specifications
3. Disassembly and reassembly
4. Troubleshooting
5. PCB diagrams
6. Block diagram
7. Firmware update
8. Adjustment
9. Exploded view and parts list

1. Repair information

1-1 Customer satisfaction statement 1-1
1-2 Warranty and repair service information 1-1
1-3 Precaution for disassembly and reassembly 1-4

2. Product specifications

2-1 Specifications.....2-1
2-2 Product comparison.....2-2
2-3 Accessories information.....2-3
2-4 About the memory card.....2-5
2-5 About the battery.....2-6

3. Disassembly and reassembly

3-1 Disassembly of main unit.....3-1
3-2 Barrel Disassembly.....3-16
3-3 Reassembly of barrel.....3-22
3-3-1 How to use the lubricant for anti-friction to the ASSY BARREL assembly.....3-22
3-3-2 Barrel Disassembly.....3-25

4. Troubleshooting

4-1 SD CARD detect failA/error 4-1
4-2 Switch problems on TOP (Power/Release/Zoom) 4-2
4-3 MAIN PCB connection issues.....4-3
4-4 Flash related problems 4-4
4-5 Image output related problems 4-6
4-6 When you cannot hear the recorded sound.....4-7

5. PCB diagrams

5-1 MAIN PCB 5-1
5-2 POPUP PCB.....5-2
5-3 TOP PCB 5-2
5-4 CIS FPCB 5-2
5-5 LED FPCB 5-3
5-6 WIFI HPCB 5-3

6. Block diagram

7. Firmware update

7-1 Product reset 7-1
7-2 Version check 7-3
7-3 Update 7-4
7-4 How to recover the MAIN PCB 7-6

8. Adjustment

8-1 Basic guide for adjustment 8-1
8-2 OIS CENTERING ADJ 8-3
8-3 PUNT(Auto Focus) ADJ 8-3
8-4 SHUTTER CLOSE, CIS GAIN, IRIS ADJ 8-5
8-5 LENS SHADING ADJ 8-6
8-6 FLASH & AWB ADJ 8-7
8-7 CIS DEFECT PIXEL ADJ 8-8
8-8 COUNTRY CODE(Wi-Fi) Input 8-8
8-9 MAC ADDRESS(Wi-Fi) Input 8-9
8-10 SERIAL NO. Input 8-9
8-11 Input confirm 8-10

9. WB800F Exploded view and parts list

9-1 BODY ASSEMBLY 9-1
9-2 MAIN ASSEMBLY 9-2
9-3 CHAMBER ASSEMBLY 9-3
9-4 TOP COVER ASSEMBLY 9-5
9-5 BARREL ASSEMBLY 9-7

10. WB800F VE Exploded view and parts list

10-1 BODY ASSEMBLY 10-10
10-2 MAIN ASSEMBLY 10-12
10-3 CHAMBER ASSEMBLY 10-13
10-4 TOP COVER ASSEMBLY 10-15
10-5 BARREL ASSEMBLY 10-17

1. Repair information

1-1 Customer satisfaction statement

We hold ourselves to the highest standards of customer satisfaction and service.

- Combining perfect technical solutions with a customer-oriented approach is our top priority.
- We treat our customers we serve with kindness, loyalty, respect and dignity.
- We are committed to earn customers' trust continuously through excellence in repair solutions.
- We keep our promises and commitments to our customers.
- Committed to quick and easy resolution of all support issues, we deliver industry-leading response times.

Guide

We listen carefully to our customers' requirements and always find an optimum solution for their needs.
We are committed to your satisfaction and have procedures in place to provide you with a fair, timely and effective means to resolve problems. It combines industry leading preventive assistance with responsive support that helps us address problems quickly and effectively. We will continuously maintain and improve our services to satisfy the needs of our customers.

1-2 Warranty and repair service information

(1) General terms and conditions

It is guaranteed to be free of charge from defects in material and workmanship under normal use for a period of one year from date of purchase.
Digital Camera and lens come with a one year limited warranty from the date of purchase.

*** The duration of the warranty depends on the laws in the country in which it was purchased.**

The following information will be required to process warranty requests:

a. We imply warranties to one year from the original date of purchase. In the event that the purchaser is unable to provide a warranty card or proof of purchase, the warranty period will be determined by the date of manufacture. The warranty period shall be decreased to three months from the original product manufactured date.

b. The coverage under this warranty begins on the date of your purchase of the product. In the event that a warranty card or proof of purchase is not available, a purchase receipt, preferably the purchase invoice, to confirm the date of purchase is required for warranty service.

c. In the event that a valid date of purchase is not available, the warranty period will be determined by the date of manufacture. The warranty period shall be decreased to three months from the original product manufactured date.

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(2) Limited Warranty

It reserves the right to retain any parts or components replaced at its discretion in the event of a defect noticed in the product. The period with respect to retaining components may vary respectively depending on its components. We are not liable to repair or replace its faulty product after the Warranty Period has expired.

*** We warrant its retaining camera and lenses for five years and three years for the accessories.**

a. If a warranty claim is filed after the product has been discontinued, we reserves the right to honor the components warranty. Warranty period may vary depending on the type of components.

b. In the event that no identical warranty information is available for service repair, company has the right to provide warranty. The warranty does not affect the consumers' rights against the company related to its information.

For the length of the period indicated on the chart below, it starts with the date of original purchase.

(3) Warranty Period for components

Our liability under this warranty shall be limited to the following:

a. In the event of a same malfunction problem within two months after repair service by Samsung authorized technician, we will repair or replace free of charge the component of the product which is found to be defective.

b. In the event of the component that you have paid the replacement cost is returned under normal use within one year at our premises, such components will be replaced free of charge component of the product which is found to be defective.

<Table. 1-1 Warranty Periods for Parts>

Part Name	Warranty Period
Battery Charger	**Six months**
AC Adaptor	
Battery	
Remote Control	
CD Software	**Three months**
Earphone	
Pouch for camera	**Not applicable**
Cable	

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(4) Repair Claims

1) Repair free of charge

Essentially, the following causes of damage are covered:

a. Failing to function properly under normal use during the limited warranty period.

b. Repair Services free of charge is granted for the performance of a specific contract.

2) Repair charges

This warranty does not cover damage caused by:

a. Defect occurring after the expiration of the Warranty Period.

b. Damage due to negligence, immersion in water, impact, loss and tampering.

c. Repair or alteration performed by any party other than Samsung authorized technicians.

d. Misuse or other improper use of the power button.

e. Exhausted parts such as batteries, lamps and filters, etc.

f. Defect that occurs due to sand, dirt liquid, etc. entering the inside of the product casing.

g. Consumable parts which have ceased working through normal use such as as earphone, battery discharger and various accessories.

h. Products purchased second hand or any damage that occurs due to a second hand or repair performed by anyone other than Samsung or a Samsung authorized service station.

i. Fire, earthquake, flood or other natural disasters.

The warranty cover period for components is listed below as per table 1-2.

<Table. 1-2 Warranty Period for components>

<table>
<tr><th colspan="3">Types of consumer damages</th><th colspan="2">Compensation</th></tr>
<tr><td rowspan="6">Failing to perform or failing to function properly under normal use</td><td colspan="2">Required for essential repair within 10 days after the purchase</td><td>Replace the product or refund</td><td>-</td></tr>
<tr><td colspan="2">Required for essential repair within one month after the purchase</td><td>Replace the product or repair at free of charge</td><td>Repair charges</td></tr>
<tr><td rowspan="3">Applicable to repair</td><td>Problem occurred twice due to same malfunction</td><td colspan="2">Free of charge</td></tr>
<tr><td>Problem occurred three times due to same malfunction</td><td rowspan="3">Replace the product or refund</td><td rowspan="2">Repair charges</td></tr>
<tr><td>Problem occurred four times due to some other malfunction</td></tr>
<tr><td>Not applicable to repair</td><td>Within the period with respect to retaining components</td><td>Replace the product at the cost of the depreciated value or refund its price added 10% of depreciation</td></tr>
<tr><td rowspan="2">Failing to perform or failing to function properly as a result of willful intent and negligence of customer</td><td colspan="2">Applicable repair</td><td colspan="2">Repair charges</td></tr>
<tr><td colspan="2">Not applicable to repair
(Except for defects or malfunction as a result of fire or flood or other natural disasters</td><td>Replacement charge</td><td>Repair charge and replace the product at the cost of the depreciated value</td></tr>
</table>

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1-3 Precaution for disassembly and reassembly

CAUTION

1. Use the anti-static handing procedures included with the anti-static mat to ensure that there is no electrostatic discharge and component damage.

2. Static electricity is the biggest danger to the PCB parts you are about to disassemble or assemble. It's important to use your anti-static wrist strap to prevent damage to these components.

3. Dismantling a discrete electronic component such as main capacitor is dangerous.
   The capacitor contains high voltage, which can cause a severe electric shock if you touch it. This holds a charge even when the unit is not plugged in and is capable of delivering a fatal shock.

4. Using excessive force during disassembly and assembly can damage locking parts. Use care when handling "Locking parts" to avoid damage to FPCB or wire. Apply pressure only at the points designated in the maintenance instructions.

5. Due to increasing environmental concerns, a number of restrictions have been placed on the material content of electronic components and electronic assemblies. It requires utilizing Lead-Free (Pb-free) Soldering.

6. The following precautions must be observed when handling such components below.

<Table. 1-3 Precaution for disassembly and reassembly>

Component	Precautions
FPCB	FPCB is brittle material. It can be easily damaged thus it should be handled with care. It is recommended to use wooden or plastic tweezers for manual placement.
CCD (CMOS) IR CUT Filter LCD, LENS	Be careful not to stained your finger. It is recommended to use wooden or plastic tweezers for manual placement. Stain is often caused by the Alcohol used in these components. Find a clean, well-ventilated place to do your work.
PCB	Use an anti-static mat as well as an anti-static wrist strap to avoid ESD damage to PCB.
CONNECTOR	The use wooden or plastic tweezers is recommended for manual placement. Metal tip tweezer might make marks or damage.
BARREL	Always follow proper direction while assembling the components of the barrel.

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2. Product specifications

2-1 Specifications

<Table. 2-1 Specifications>

Image sensor	
Type	1/2.3” (Approx. 7.76 mm) BSI CMOS
Effective pixels	Approx. 16.3 mega-pixels
Total pixels	Approx. 17.0 mega-pixels
Lens	
Focal length	Samsung Lens f = 4.1–86.1 mm (35 mm film equivalent: 23–483 mm)
F-stop range	F2.8 (W)–F5.9 (T)
Zoom	• Still image mode: 1.0–21.0X (Optical zoom X Digital zoom: 105.0X, Optical zoom X Intelli zoom: 42.0X) • Playback mode: 1.0–9.4X (depending on image size)
Display	
Type	TFT LCD
Feature	3.0” (75.0 mm) 460K
Shutter speed	
Shutter speed	• Auto: 1/8–1/2,000 sec. • Program: 1–1/2,000 sec. • Manual: 16–1/2,000 sec.
Exposure	
ISO equivalent	Auto, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200
Flash	
Range	• Wide: 0.3–4.1 m (ISO Auto) • Tele: 0.5–2.9 m (ISO Auto)
Shake reduction	
Type	Optical Image Stabilization (OIS)
Storage	
Media	• Internal memory: Approx. 9.5 MB • External memory (Optional): - SD card (2 GB guaranteed) - SDHC card (up to 32 GB guaranteed) - SDXC card (up to 64 GB guaranteed)
Interface	
Digital output connector	USB 2.0
DC power input connector	5.0 V
Power source	
Rechargeable battery	Lithium-ion battery (SLB-10A, 1,030 mAh)
Connector Type	Micro USB (5 pin)
Wight & Dimensions	
Wight	7.69 oz(without battery and memory card)
Dimensions	4.35 X 2.56 X 0.85 in(excluding protrusions)

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2-2 Product comparison

<Table. 2-2 Product comparison>

Specs \ Model	WB800F	WB250F
Product image		
Image Sensor	1/2.3” (Approx. 7.76 mm) BSI CMOS	1/2.33” (Approx. 7.67 mm) BSI CMOS
Effective pixels	Approx. 16.3 mega-pixels	Approx. 14.2 mega-pixels
Total pixels	Approx. 17.0 mega-pixels	Approx. 16.4 mega-pixels
Wight	7.69 oz(without battery and memory card)	7.27 oz(without battery and memory card)
Dimensions	4.35 X 2.56 X 0.85 in(excluding protrusions)	4.18 X 2.43 X 0.85 in(excluding protrusions)
LCD	TFT LCD, 3.0” (75.0 mm) 460K	TFT LCD, 3.0” (75.0 mm) 460K
Zoom	• Still image mode: 1.0–21.0X • Playback mode: 1.0–9.4X	• Still image mode: 1.0–18.0X • Playback mode: 1.0–14.4X
Shutter Speeds	• Auto: 1/8–1/2,000 sec. • Program: 1–1/2,000 sec. • Manual: 16–1/2,000 sec.	• Auto: 1/8-1/2,000 sec. • Program: 1-1/2,000 sec. • Manual: 16-1/2,000 sec. • Night: 8-1/2,000 sec.
ISO Range	Auto, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200	Auto, ISO 80, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200
Focal Length	Samsung Lens f = 4.1–86.1 mm (35 mm film equivalent: 23–483 mm)	Samsung Lens f = 4.0–72.0 mm (35 mm film equivalent: 24–432 mm)
Storage	• Internal memory: Over 9.5 MB • External memory (Optional): - SD card (2 GB guaranteed) - SDHC card (up to 32 GB guaranteed) - SDXC card (up to 64 GB guaranteed)	• Internal memory: Over 9.5 MB • External memory (Optional): - SD card (2 GB guaranteed) - SDHC card (up to 32 GB guaranteed) - SDXC card (up to 64 GB guaranteed)
Image Stabilization	Optical Image Stabilization (OIS)	Optical Image Stabilization (OIS)
Wireless network	MobileLink, Remote Viewfinder, SNS & Cloud, Email, S/W Upgrade Notifier, AllShare Play, Auto Backup, AutoShare	MobileLink, Remote Viewfinder, SNS & Cloud, Email, S/W Upgrade Notifier, AllShare Play, Auto Backup, AutoShare
Battery Source	Lithium-ion battery (SLB-10A, 1,030 mAh)	Lithium-ion battery (SLB-10A, 1,030 mAh)
Power source connect type	Micro USB (5 pin)	Micro USB (5 pin)

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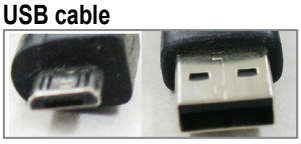
2-3 Accessories information

<Table. 2-3 Packing items information>

	image	Description		Parts No.
Packing items		Camera		WB800F
		AC adapter	AD5055_CHI	AD44-00184A
			AD5055_WH_CHI	AD44-00214A
			AD5055_USA	AD44-00179A
			AD5055_WH_USA	AD44-00209A
			AD5055_UK	AD44-00182A
			AD5055_WH_UK	AD44-00212A
			AD5055_AUS	AD44-00185A
			AD5055_WH_AUS	AD44-00215A
			AD5055_ARG	AD44-00181A
			AD5055_WH_ARG	AD44-00211A
			AD5055_INDIA	AD44-00205A
			AD5055_WH_INDIA	AD44-00216A
			AD5055_BRA	AD44-00180A
			AD5055_WH_BRA	AD44-00210A
		USB cable 	CB5MU05E_BK	AD39-00190A
			CB5MU05E_WH	AD39-00202A
		Battery		4302-001221
		Strap	BLACK	AD63-07292A
			WHITE	AD63-07291A
		Quick Start Guide	QSG_S.CHI_WB800F	AD68-07709A
			QSG_EUR1_WB800F	AD68-07710A
			QSG_EUR2_WB800F	AD68-07711A
			QSG_EUR3_WB800F	AD68-07712A
			QSG_ASIA_WB800F	AD68-07713A
			QSG_CANADA_WB800F	AD68-07714A
			QSG_SEA_WB800F	AD68-07715A
			QSG_TUR_WB800F	AD68-07716A

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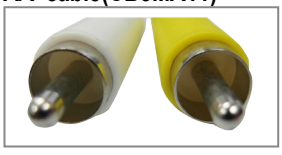
<Table. 2-4 Optional items information>

	image	Description		Parts No.
Optional items		Camera case	CC9S71N	AD69-03285A
			CC9S70B	AD69-03284A
			CC9S30B	AD69-03283A
			CC9U21B/P	AD69-02964A
				AD69-03010A
			CC9U11B	AD69-02397B
		A/V cable(CB5MA11) 		AD39-00191A
		Memory card	2G	1109-001378
			4G	1109-001420
			8G	1109-001396
			Memory card adapter	3719-001319

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2-4 About the memory card

The memory capacity may differ depending on shooting scenes or shooting conditions.
These capacities are based on a 2 GB microSD card:

<Table. 2-5 Memory card capacity>

Size			Super Fine	Fine	Normal
Photos	16M	4,608 X 3,456	219	432	640
	14MP	4,608 X 3,072	245	483	715
	12M	4,608 X 2,592	288	567	836
	10M	3,648 X 2,736	341	669	984
	8M	2,832 X 2,832	418	817	1,196
	5M	2,592 X 1,944	638	1,228	1,777
	3M	1,984 X 1,488	1,006	1,897	2,692
	2M	1,920 X 1,080	1,329	2,461	3,437
	1M	1,024 X 768	2,508	4,359	5,780

Size			30 FPS
*Videos	FULL HD	1,920 X 1,080	Approx. 18' 03"
	HD	1,280 X 720	Approx. 25' 53"
	VGA	640 X 480	Approx. 46' 12"
	QVGA	320 X 240	Approx. 257' 31"
	240 WEB	For Sharing	Approx. 257' 31"

* The figures above are measured without using the zoom function. Available recording time may vary if you use the zoom. Several videos were recorded in succession to determine the total recording time.

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2-5 About the battery

<Table. 2-6 Battery specifications>

Specification	Description
Model	SLB-10A
Type	Lithium-ion battery
Cell capacity	1,030 mAh
Voltage	3.7 V
Charging time ***(when the camera is switched off)**	Approx. 240 min

* Charging the battery by connecting it to a computer may take longer.

<Table. 2-5 Battery life>

Average shooting time/ Number of photos		Test conditions (when the battery is fully charged)
Photos	Approx. 140 min/ Approx. 280 photos	The battery life was measured under the following conditions: in **P** mode, in darkness, 16M resolution, Fine quality OIS on. 1. Set the flash option to **Fill in**, take a single shot, and zoom in or out. 2. Set the flash option to **Off** , take a single shot, and zoom in or out. 3. Perform steps 1 and 2, waiting 30 seconds between each step. Repeat the process for 5 minutes, and then turn off the camera for 1 minute. 4. Repeat steps 1 to 3.
Videos	Approx. 100 min	Record videos at FULL HD resolution and 30 FPS.

• The figures above are measured by Samsung's standards. Your results may differ, depending on your actual usage.
• Several videos were recorded in succession to determine the total recording time.
• When using network functions, the battery will be depleted more quickly.

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3. Disassembly and reassembly

3-1 Disassembly of main unit

1. Remove the **2 screws** on the left side, **2 screws** on the right side and **1 screws** on the bottom side.

SCREW MACHINE 1440
6001-002152

SCREW MACHINE 1440
6001-002152

SCREW MACHINE 1440
6001-002152

Fig.. 3-1

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2. Insert open pry tool around the join of **locking** structure part to release.
   the **ASSY COVER BACK** as illustrated in image below.

Fig.. 3-2

3. Remove the **ASSY COVER BACK.**

Fig.. 3-3

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4. Remove the **1 screw**.

Fig.. 3-4

5. Open the **ASSY PCB KEY** to the right.

Fig.. 3-5

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6. Remove the **FPCB** from the connector as illustrated in **Fig. A**.

CAUTION

Use extra care when removing the FPCB from the connector.

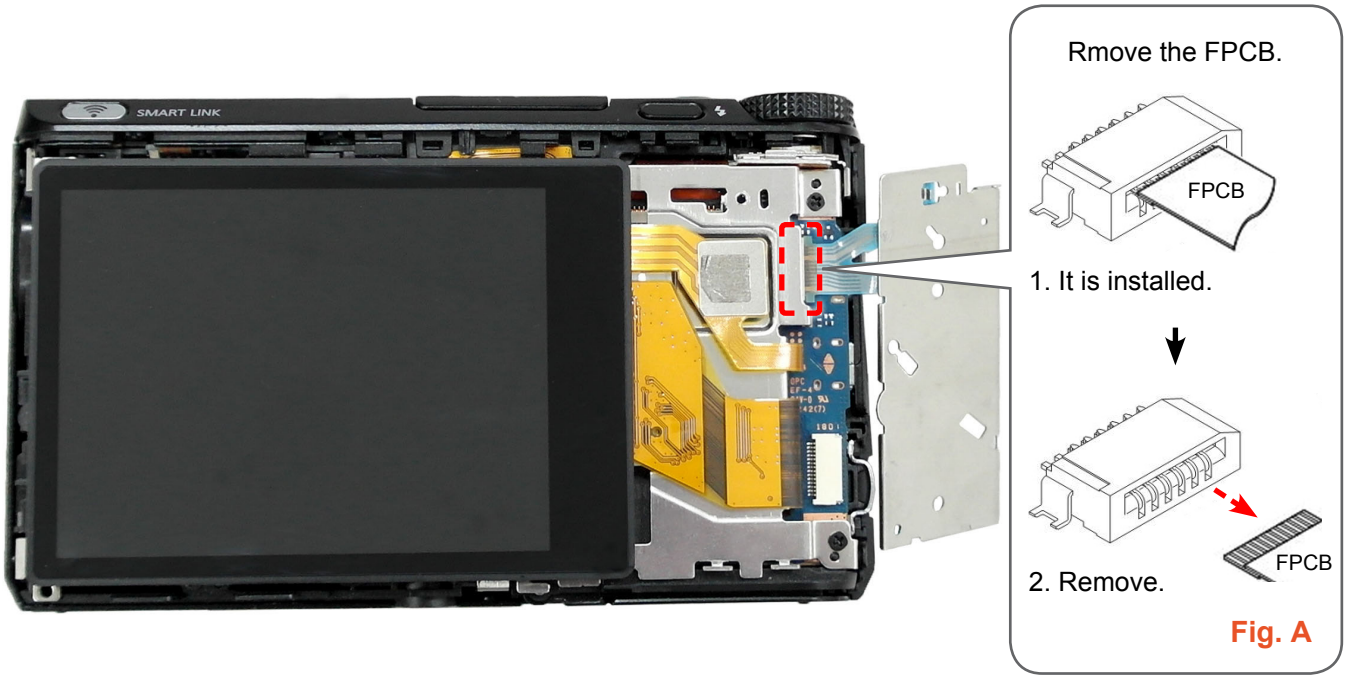

Fig.. 3-6

7. Open the **ASSY LCD TSP** to the right.

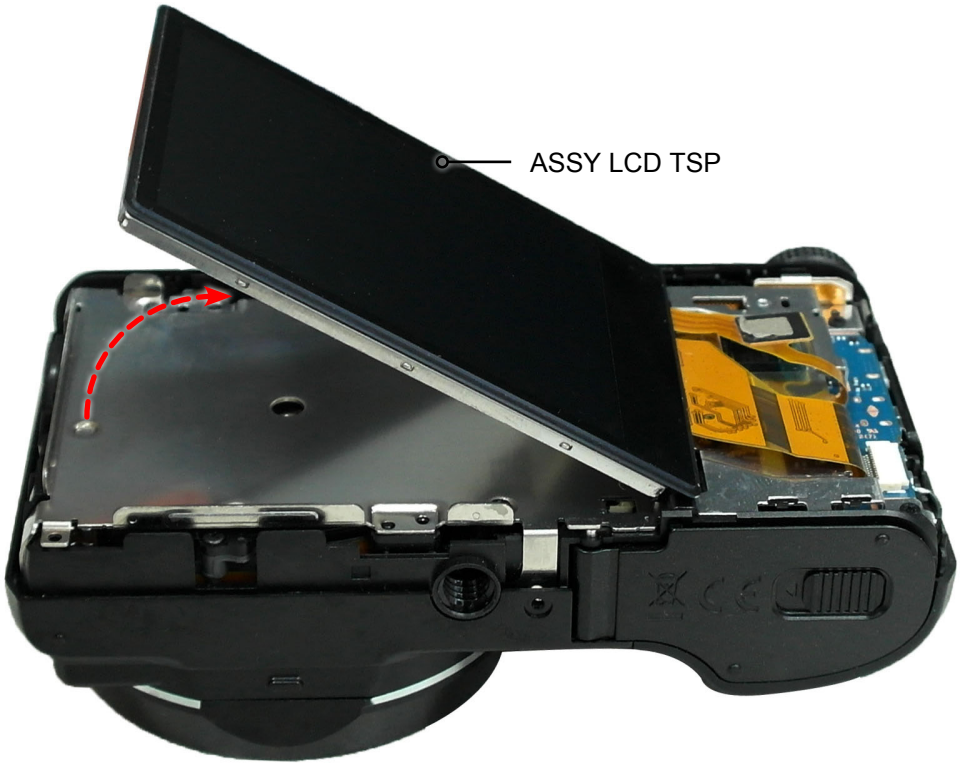

Fig.. 3-7

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8. Remove the **6 screw**.

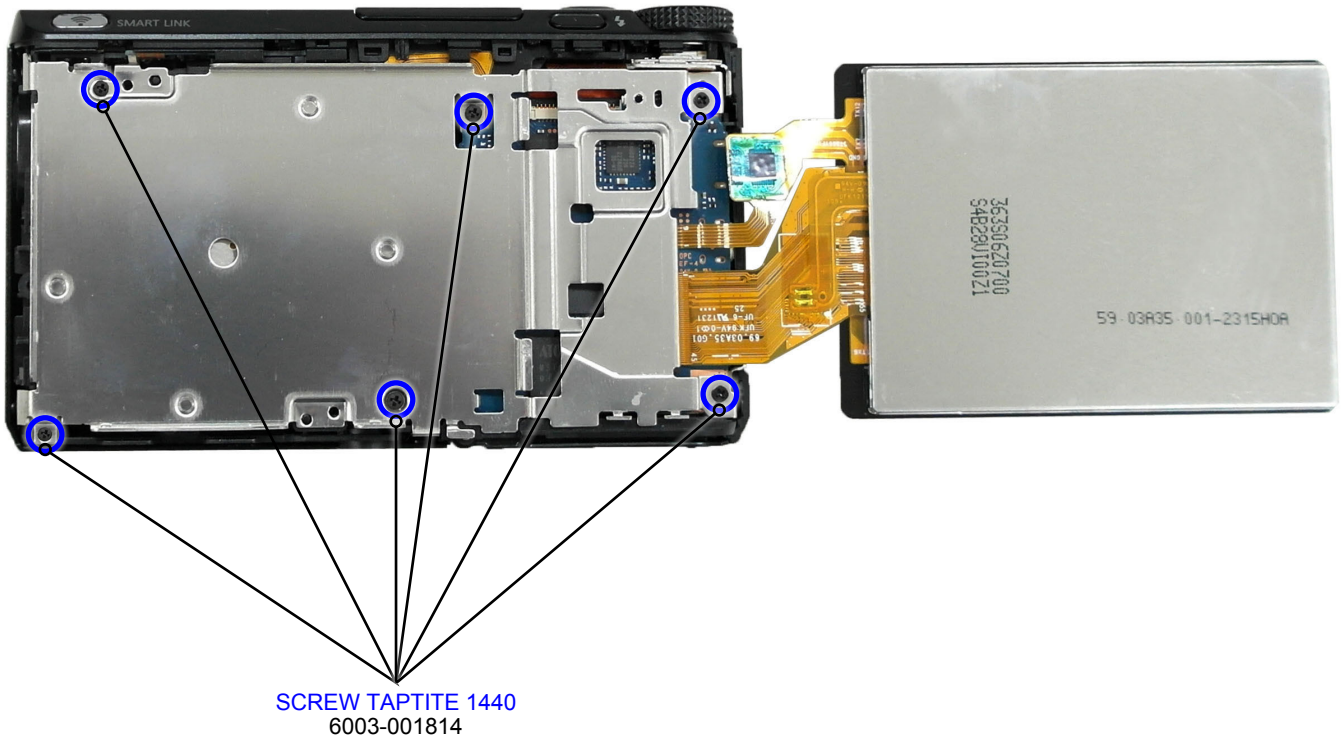

Fig.. 3-8

9. Remove the **FRAME MAIN**.

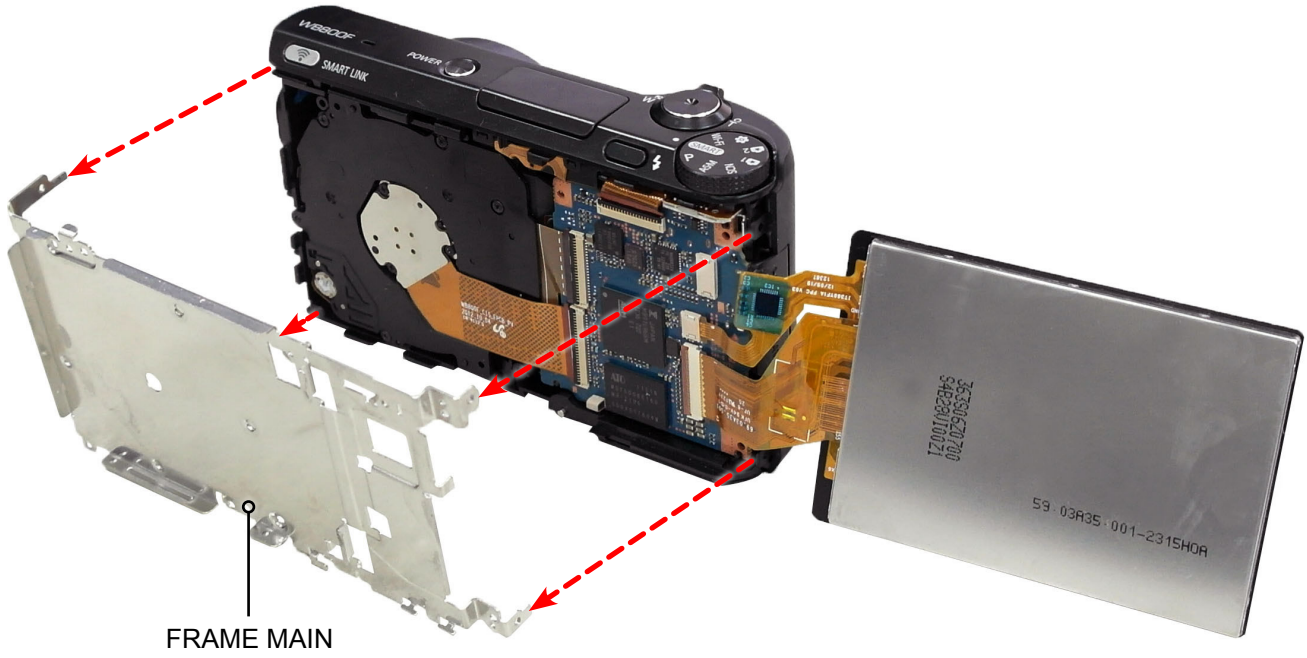

Fig.. 3-9

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10. Remove the **FPCB** from the connector as illustrated in **Fig. B**, **Fig. C** and **Fig. D**.

CAUTION

Use extra care when removing the FPCB from the connector.

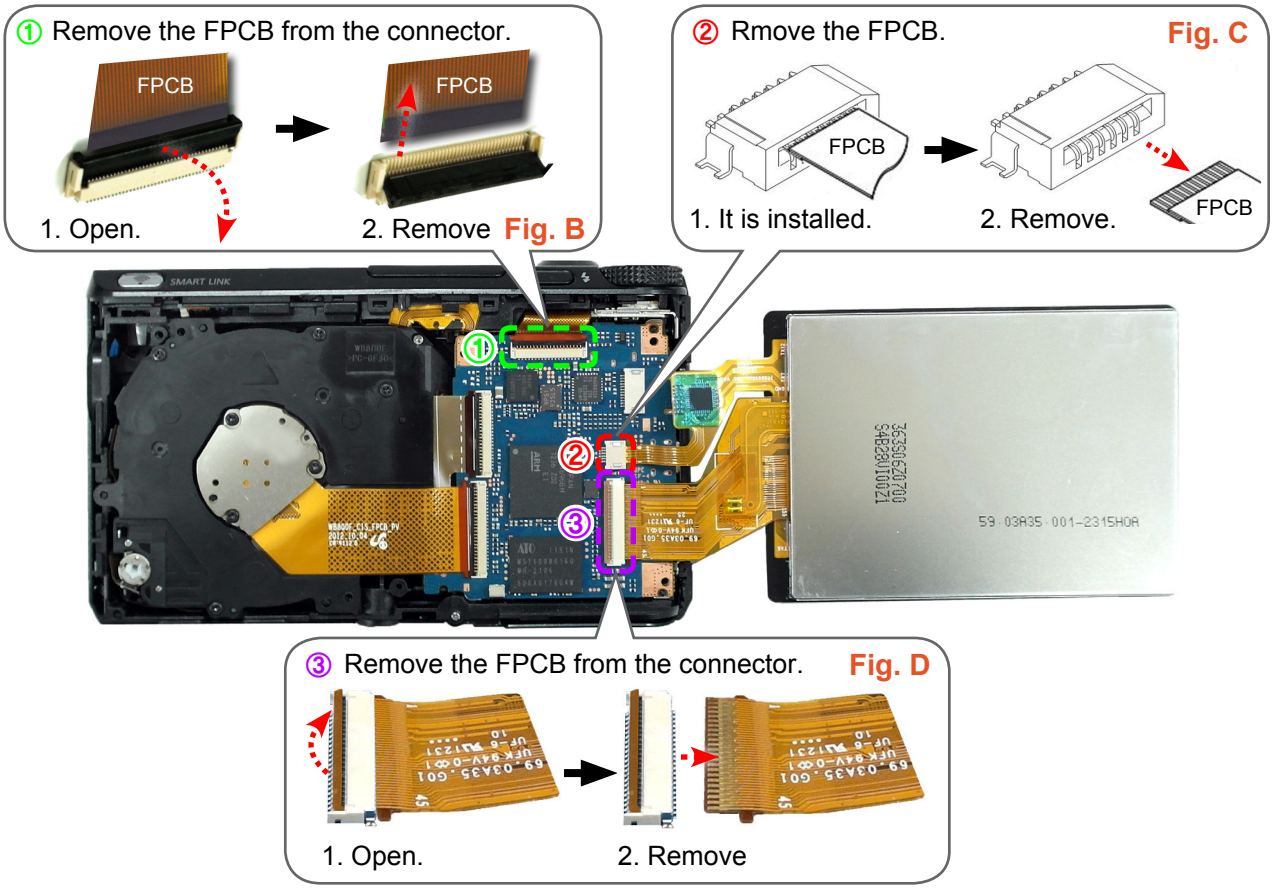

Fig.. 3-10

11. Remove the **ASSY BARREL PCB MAIN.**

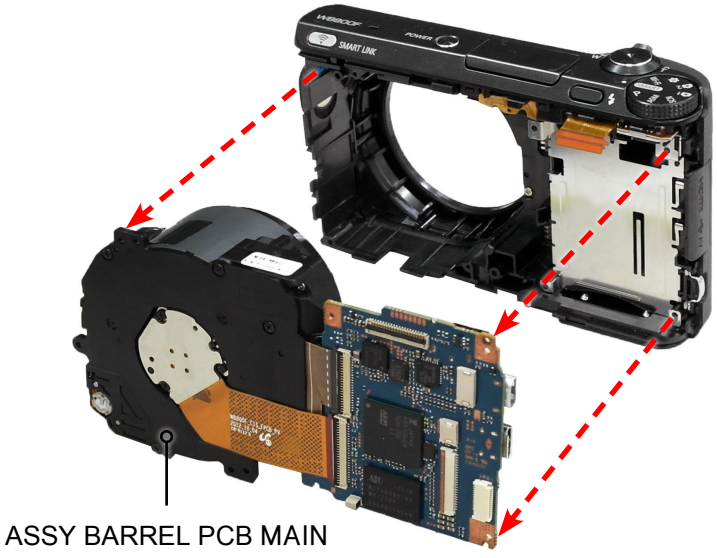

Fig.. 3-11

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12. Remove the **FPCB** from the connector as illustrated in **Fig. E**

CAUTION

Use extra care when removing the FPCB from the connector.

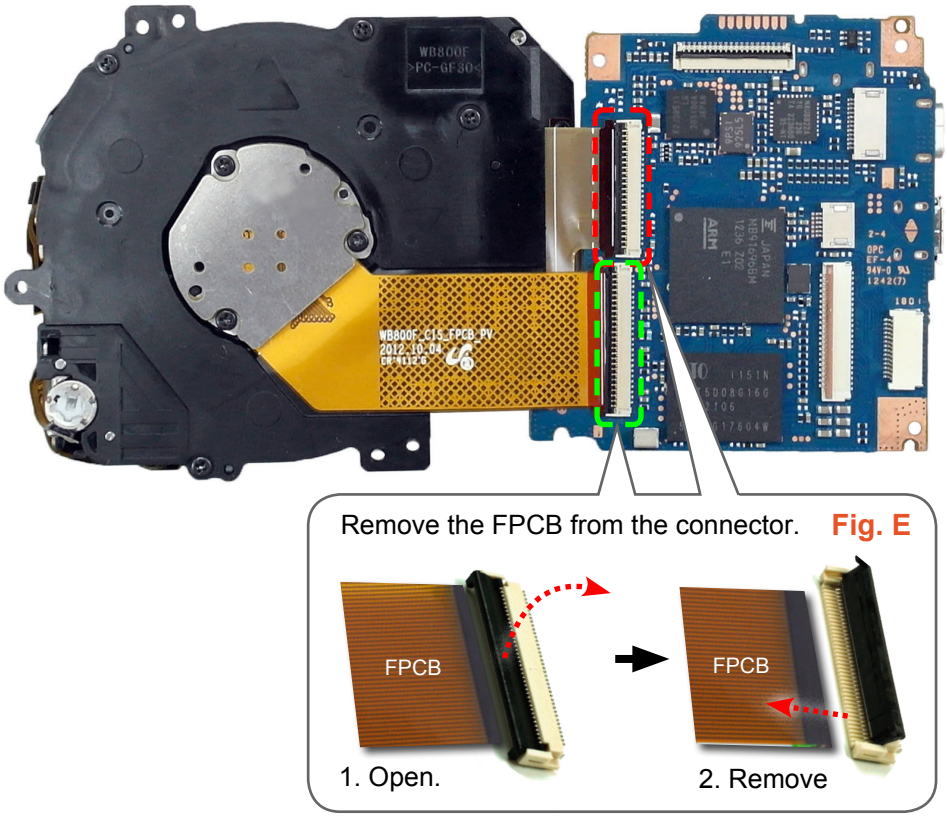

Fig.. 3-12

13. Remove the **ASSY BARREL** from the **ASSY PCB MAIN**

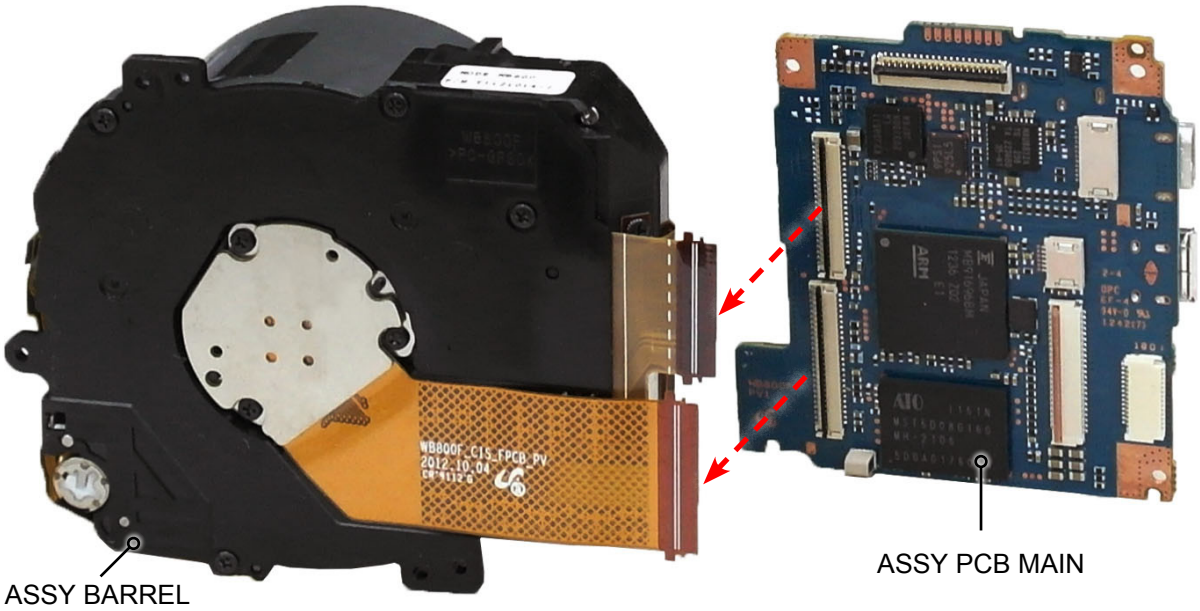

Fig.. 3-13

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14. Remove the **3 screws**.

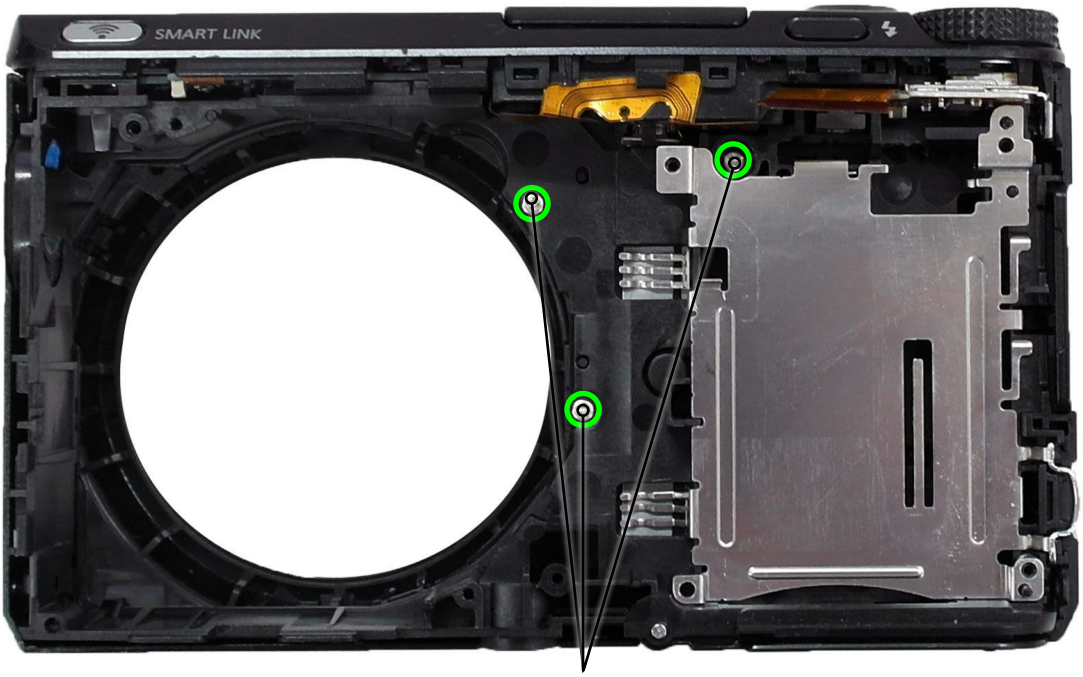

Fig. 3-14

15. Remove the **ASSY COVER FRONT**

Fig.. 3-15

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16. **Discharge** the part marked in red circle.

CAUTION

Discharge the condenser.

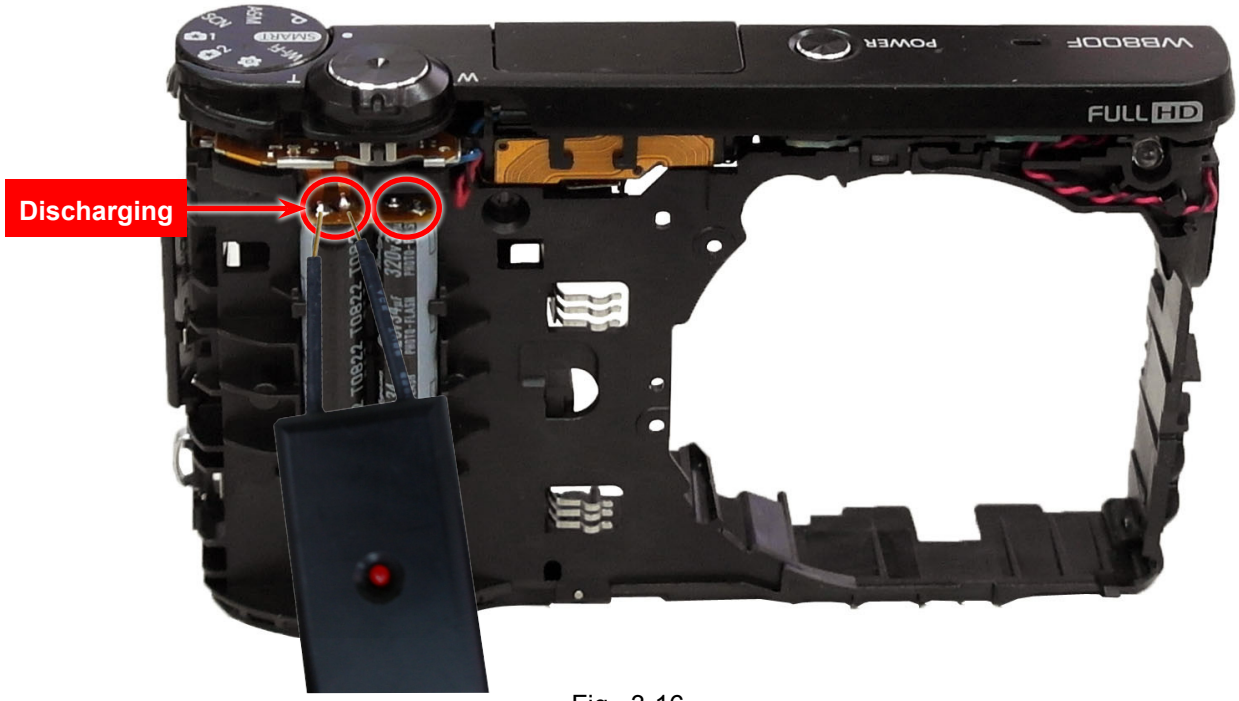

Fig.. 3-16

17. Remove the **main condenser**.
18. Remove the **4 locking** structure parts marked in circle with tweezers.

Fig.. 3-17

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19. Remove the **ASSY COVER TOP**

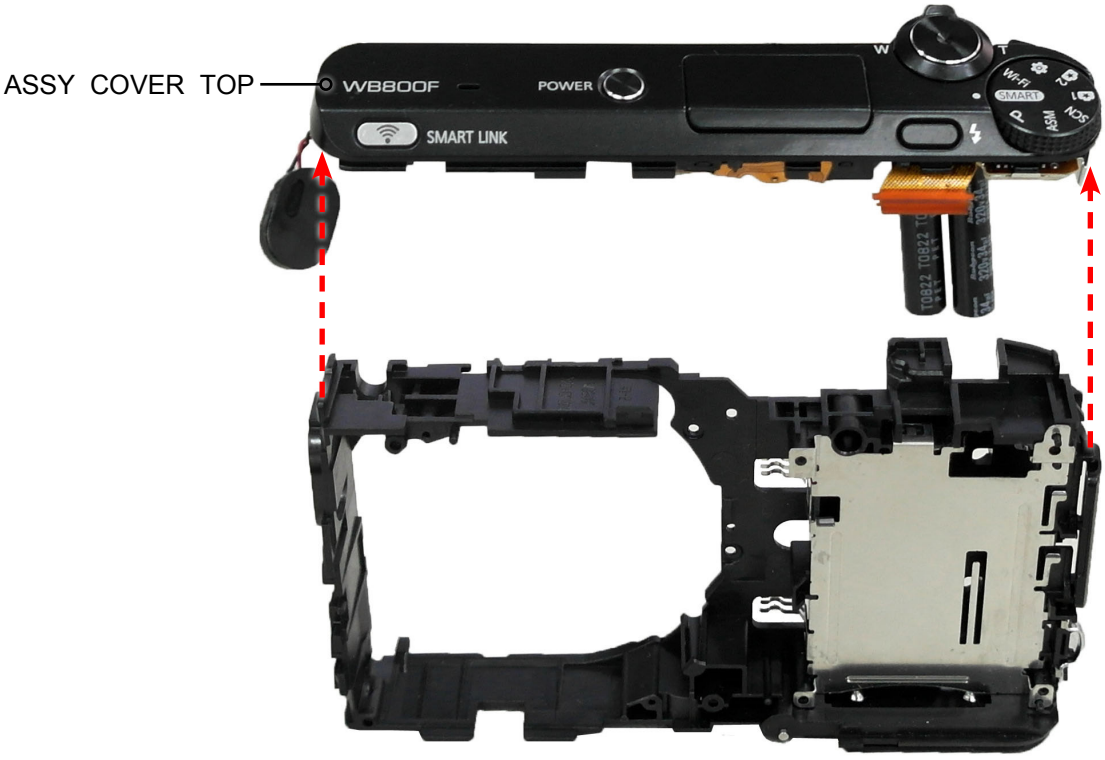

Fig.. 3-18

20. Remove the **2 solders** marked in red circle as illustrated in **Fig. F**.
21. Remove the **FPCB** from the connector as illustrated in **Fig. G**.
22. Remove the **5 screws**.

CAUTION

1. Be careful not to touch the surrounding circuitry and component when removing the solder.
2. Use extra care when removing the FPCB from the connector.

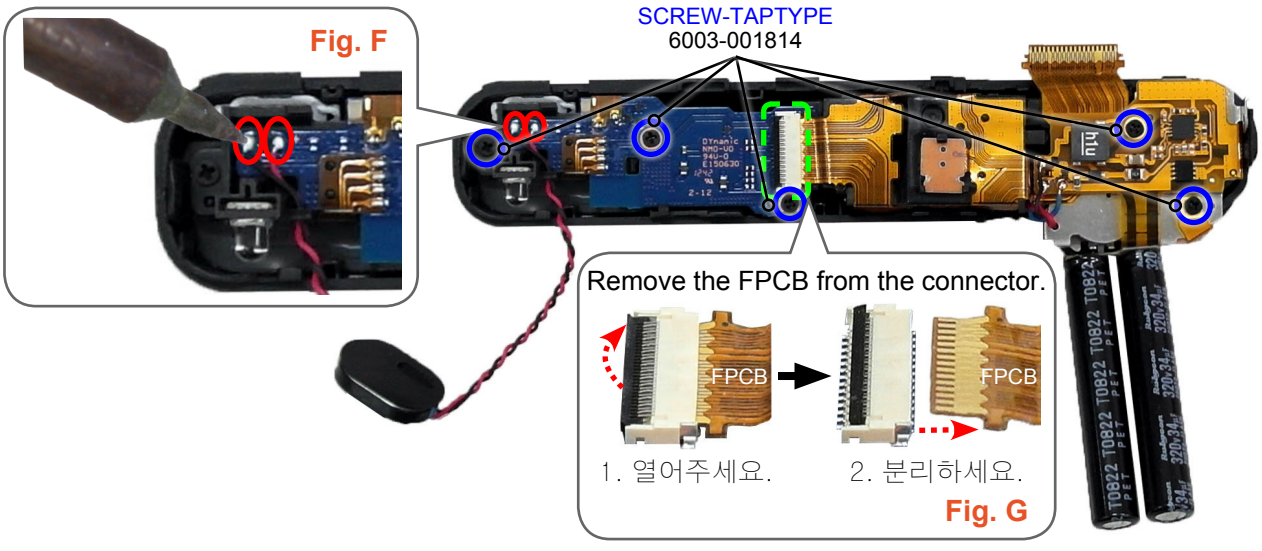

Fig.. 3-19

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23. Remove the **ASSY WIFI LED** and **ASSY POP UP** / **ASSY PCB TOP**.

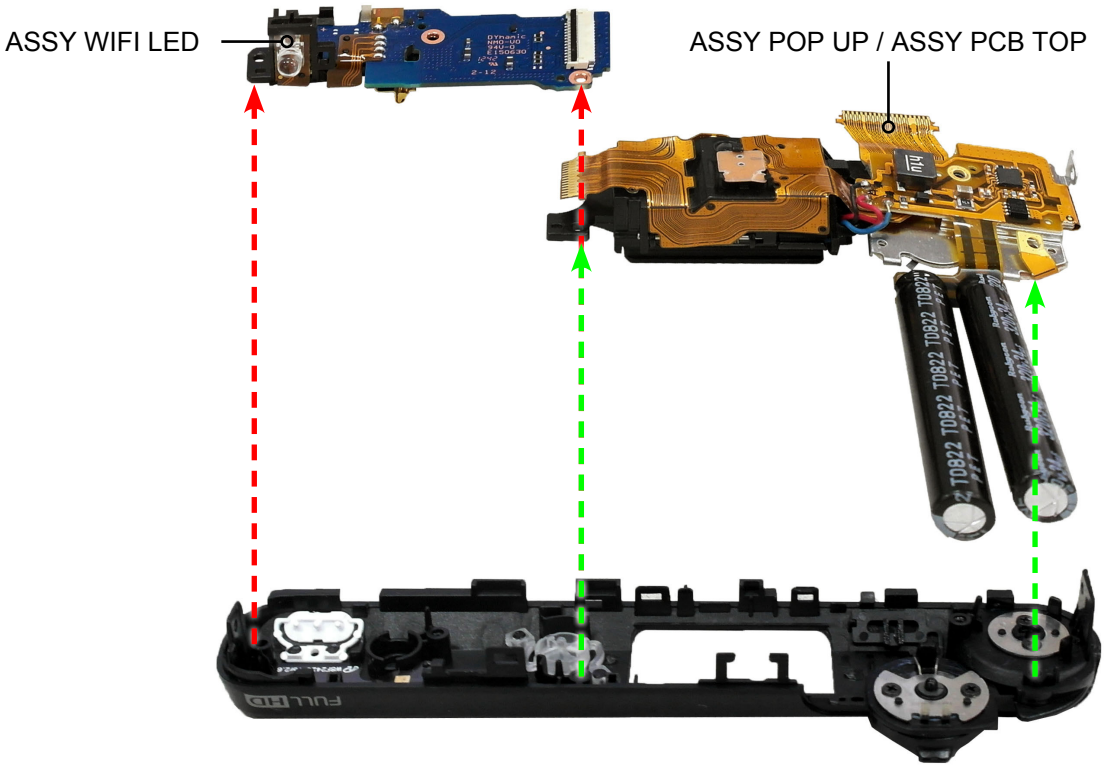

Fig.. 3-20

24. Remove the **3 solders** marked in red circle as illustrated in **Fig. H**.

CAUTION

Be careful not to touch the surrounding circuitry and component when removing the solder.

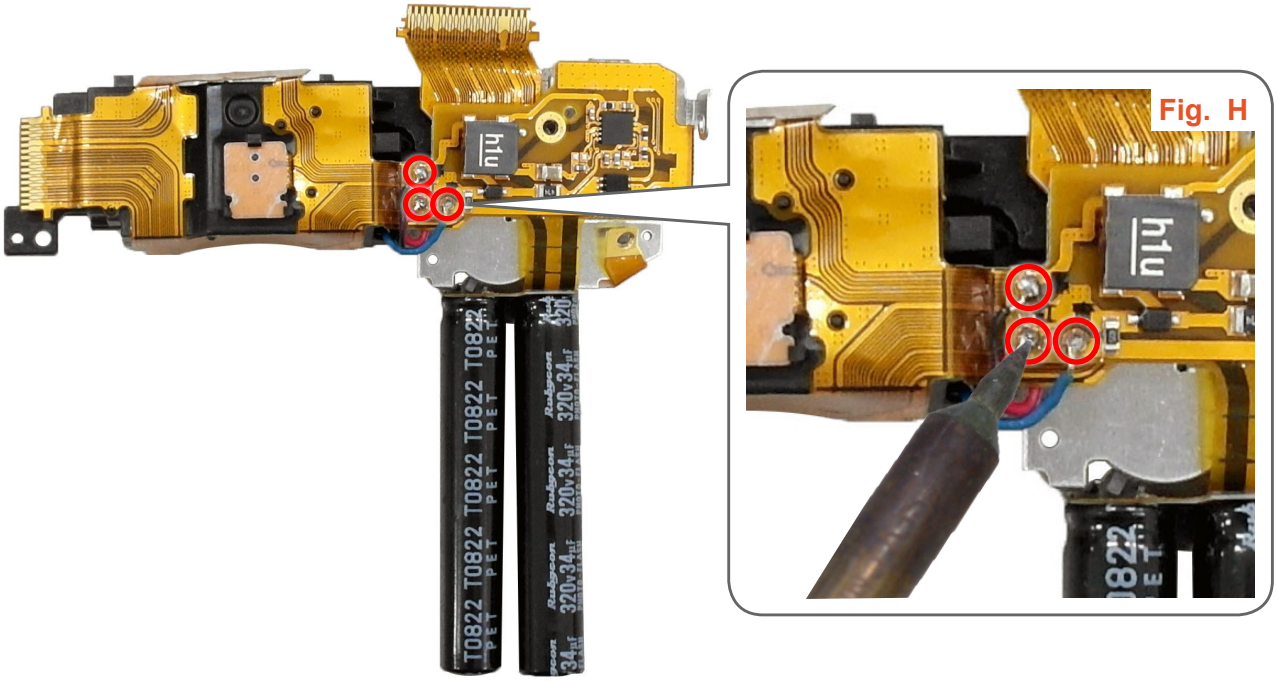

Fig.. 3-21

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25. Remove the **ASSY POP UP**

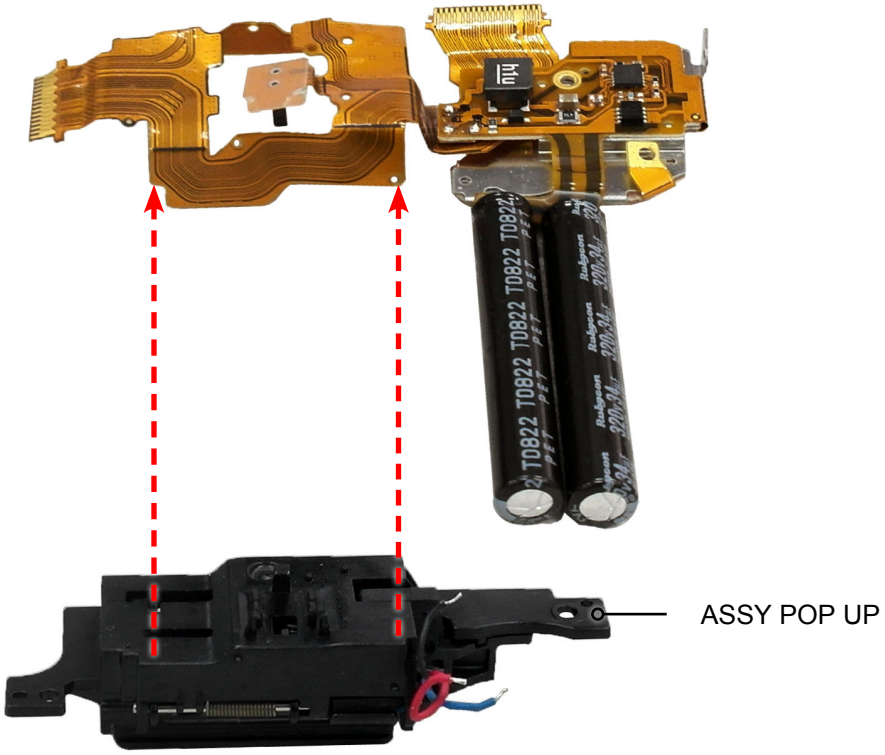

Fig.. 3-22

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26. Remove the **3 locking** structure parts as illustrated in **Fig. I** and **Fig.J** with tweezers.
27. Remove the following parts in the order indicated below.
① **PLATE CHAMBER**
② **HINGE COVER BATTERY**
③ **SPRING ETC COVER BATTERY**
④ **ASSY COVER BATTERY**
⑤ **SPRING ETC BATTERY PUSH**
⑥ **HOLDER STRAP**

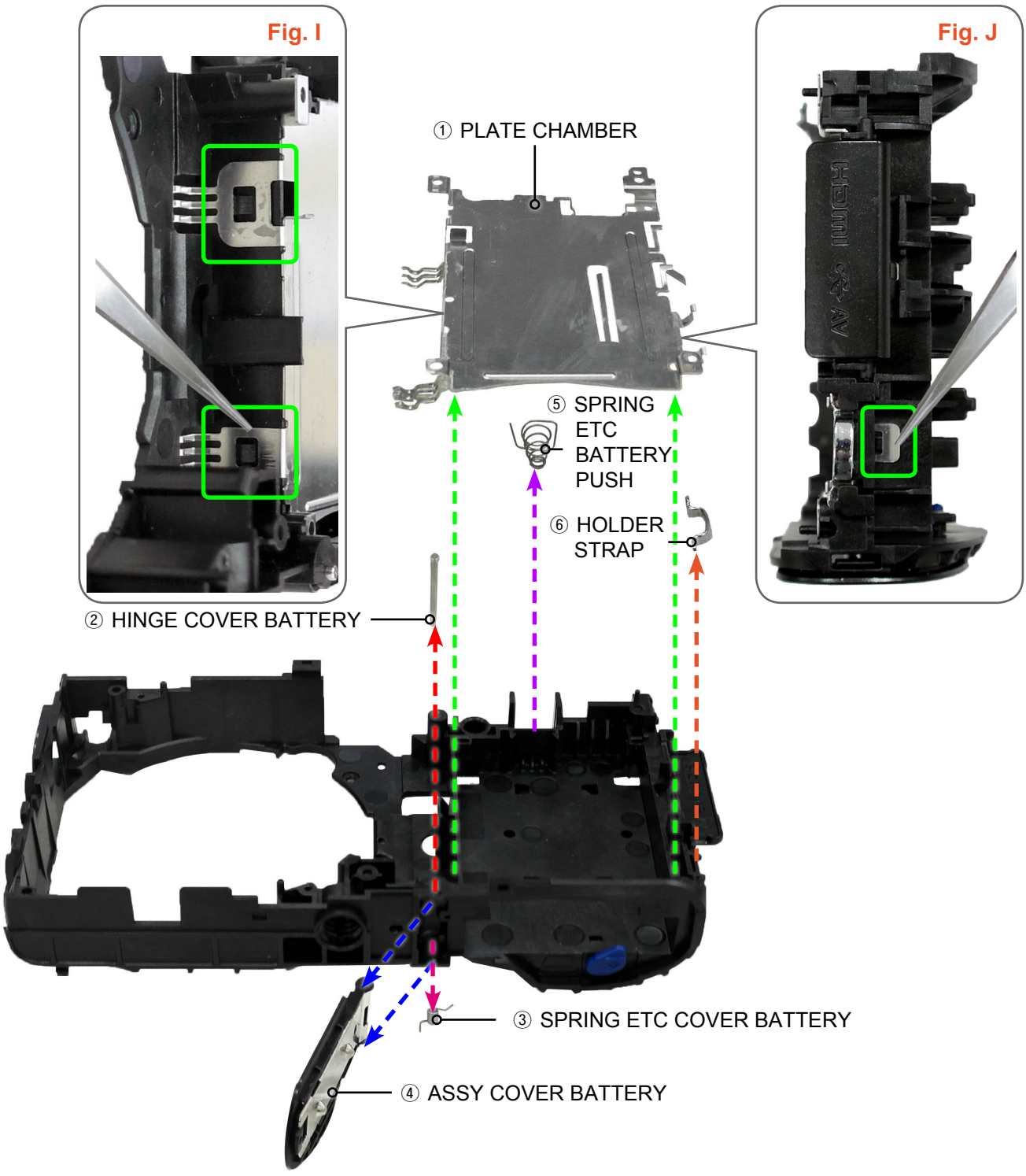

Fig.. 3-23

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28. Remove the following parts in the order indicated below.
① **RING-E**
② **SPRING TS**
③ **LEVER BATTERY LOCK**
④ **COVER SOCKET**

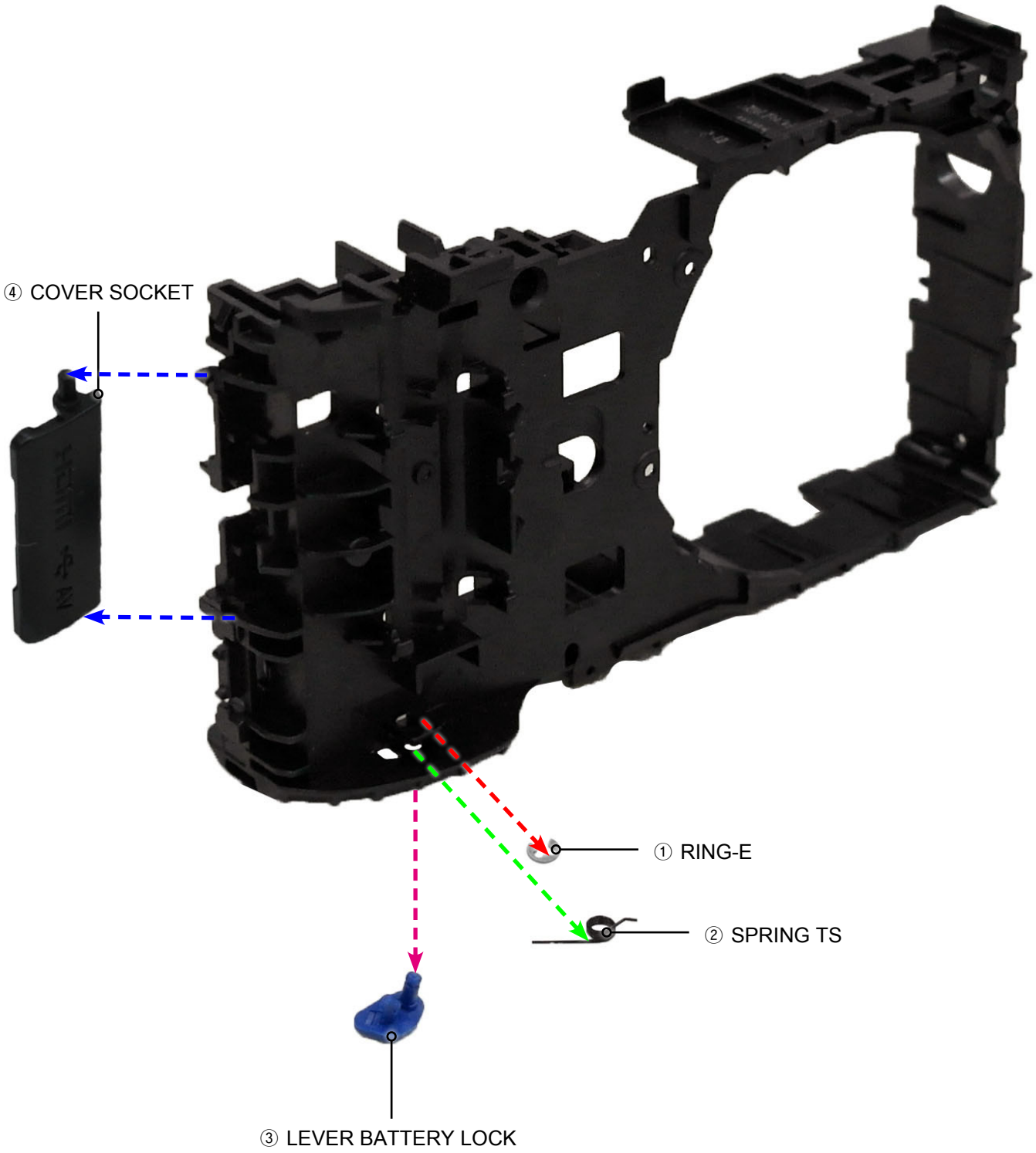

Fig.. 3-24

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29. Remove the **3 screws**.

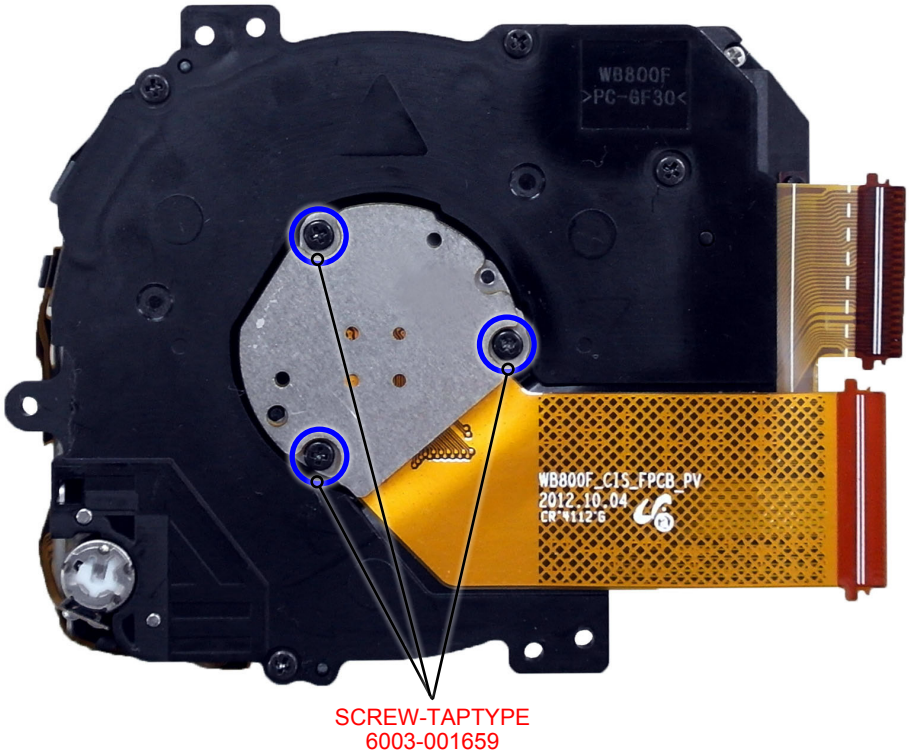

Fig.. 3-25

30. Remove the following parts in the order indicated below.
① **ASSY PCB CIS**
② **SHEET-FILTER**
③ **CUSHION GLASS-IR CUT FILTER**

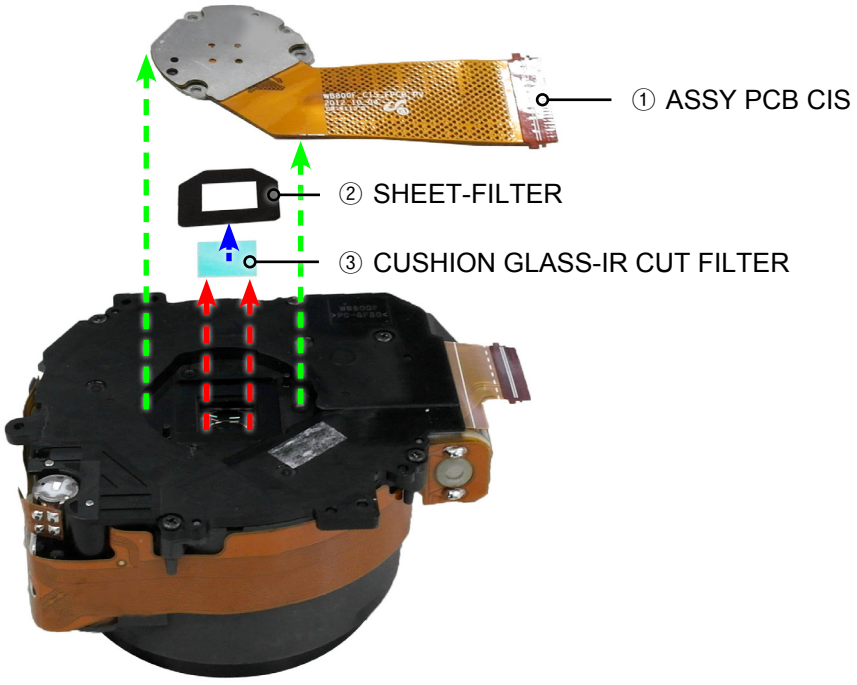

Fig.. 3-26

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3-2 Barrel Disassembly

1. Remove the **5 screws**.

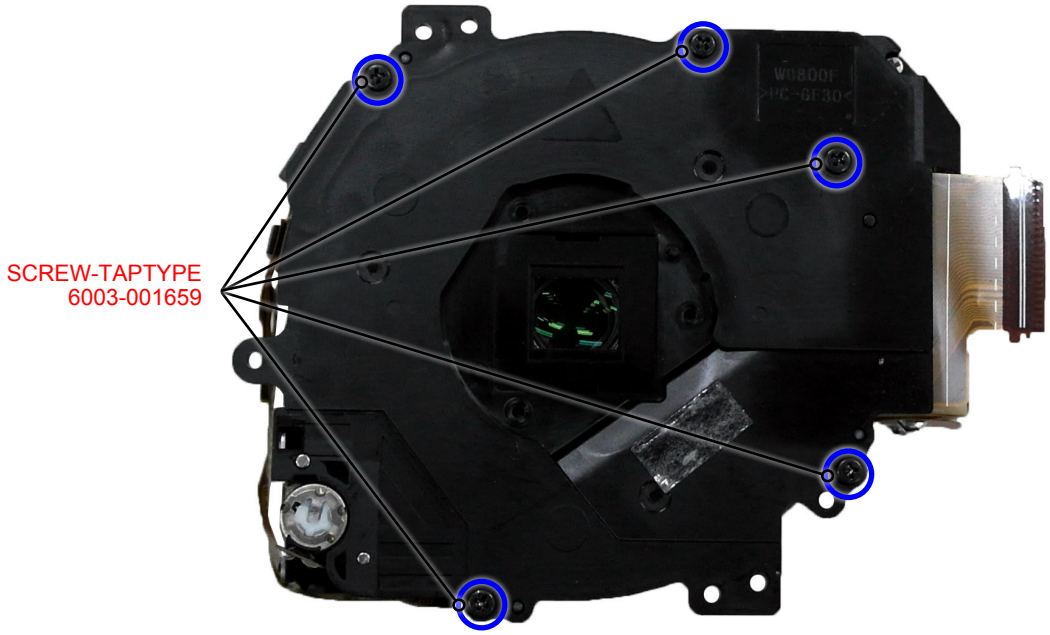

Fig.. 3-27

2. Remove the **FPCB** from the connector as illustrated in **Fig. A**.
3. Remove the **1 screws**.

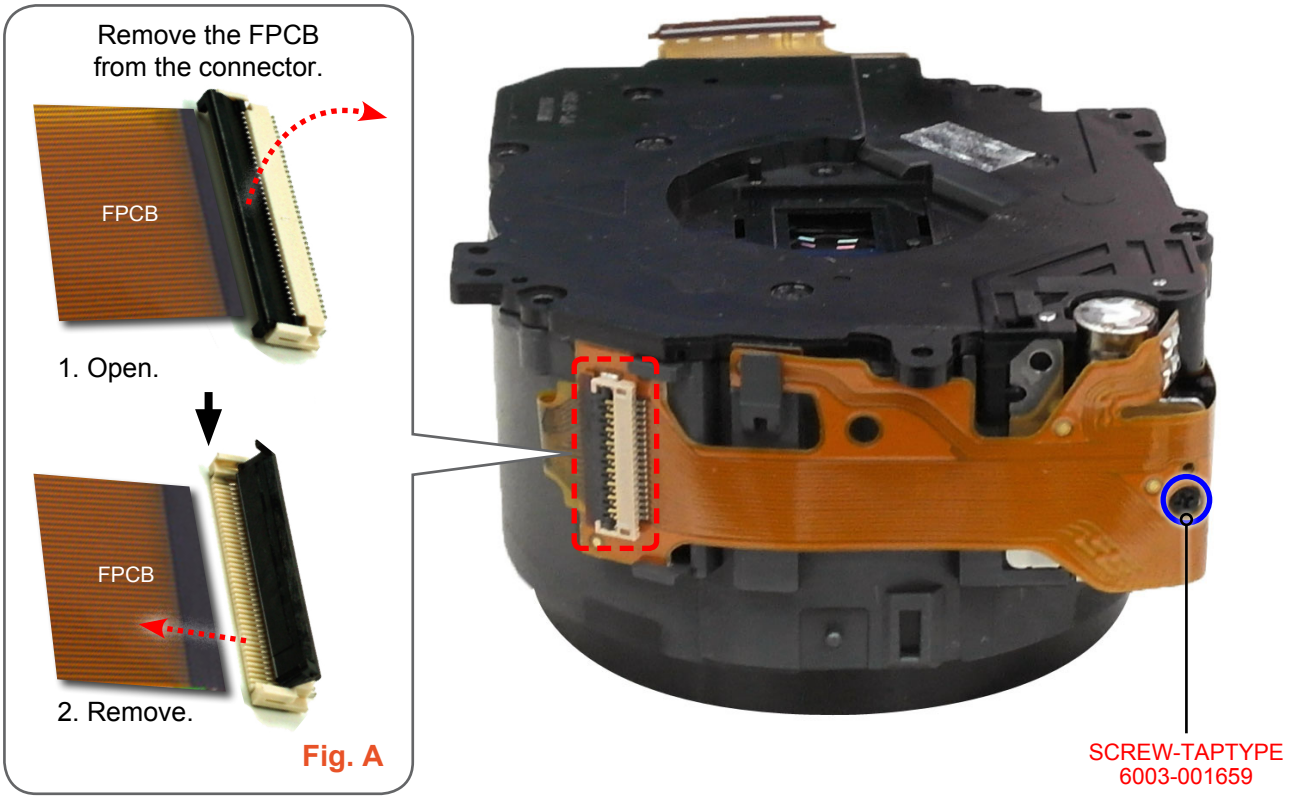

Fig.. 3-28

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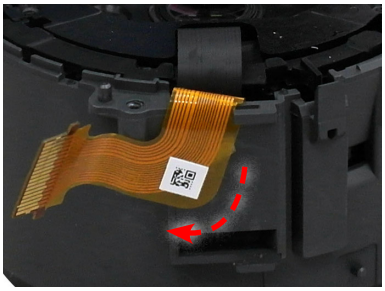
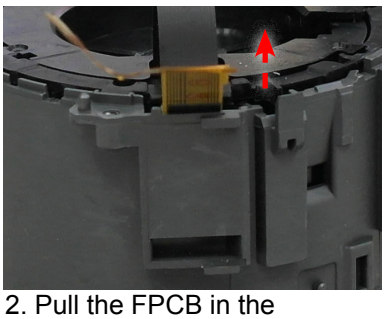
4. Remove the ASSY LENS BASE.

Fig.. 3-29

5. Remove the **FPCB** from the BARREL-OUTER GUIDE as illustrated in **Fig. B**.



1. Pull the FPCB in the direction of the arrow



2. Pull the FPCB in the direction of the up .

Fig. B

Fig.. 3-30

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6. Turn the part marked by finger tip fully counterclockwise and remove the **BARREL-OUTER GUIDE** as illustrated in **Fig. C**.

Fig.. 3-31

7. Remove the BARREL BASE.

Fig.. 3-32

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8. Remove the **PLATE-OUTER GUIDE**.

Fig.. 3-33

9. Remove the **DECO RING-CAM**.

Fig.. 3-34

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10. Turn the part fully clockwise along with the direction of the PIN and remove the BARRE-ZOOMRING as illustrated in **Fig. D**.

Fig.. 3-35

11. Remove the **PLATE-INNER GUIDE**.

Fig.. 3-36

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12. Turn the part marked by finger tip fully clockwise
and remove the **ASSY SUB BARREL-ZOOMRING** as illustrated in **Fig. E**.

Fig.. 3-37

13. Turn the part marked by finger tip fully counterclockwise
and remove the **BARREL-INNER CAM** as illustrated in **Fig. F**.

Fig.. 3-38

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14. Remove the **PLATE-INNER GUIDE** as illustrated in **Fig. G**.

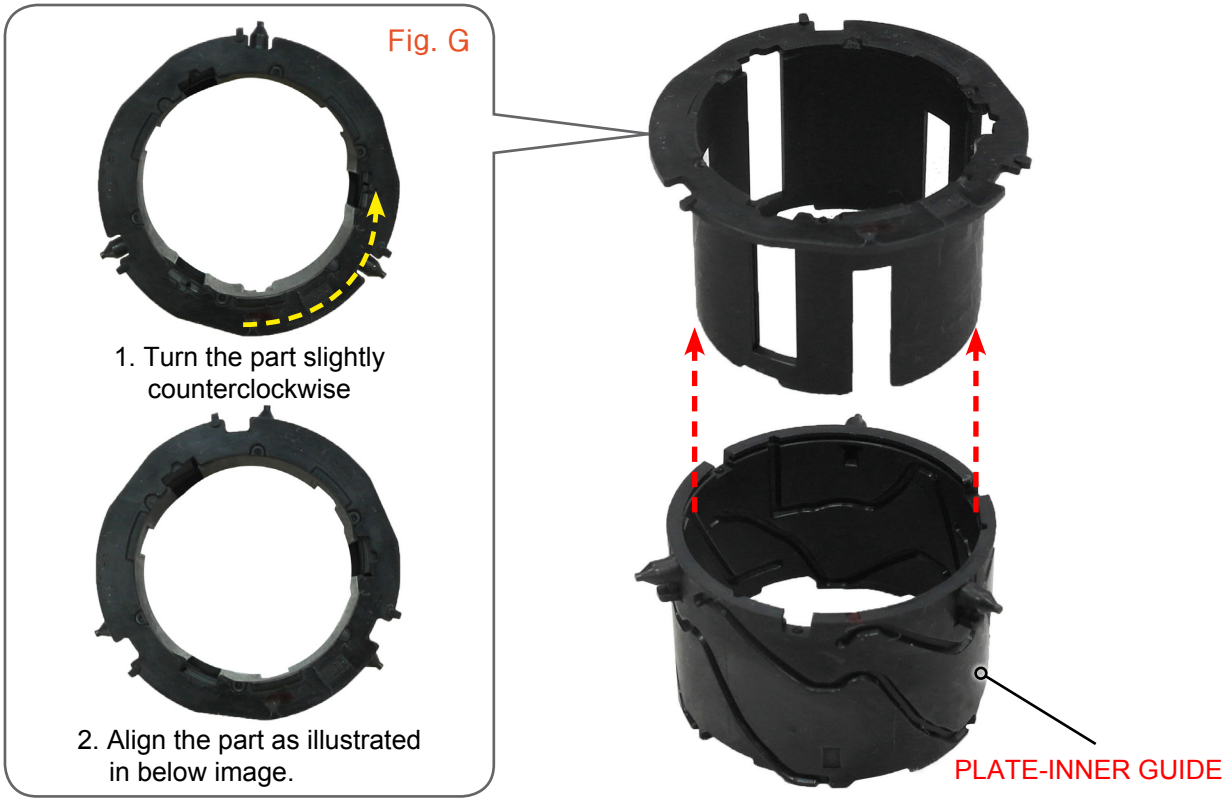

Fig.. 3-39

3-3 Reassembly of barrel

3-3-1 How to use the lubricant for anti-friction to the ASSY BARREL assembly.

■ Anti-friction lubricant serves to prevent from the possibility of defective parts.
■ Replacement parts are required to apply the lubricant before installing the ASSY BARREL.

CAUTION

- HANARL is volatile product. Keep its container tightly covered.
- Make sure to shake the HANARL well first before you use it because it has a lot of particles in the bottom. (Otherwise it becomes ineffective.)
- Shake the HANARL until there are no lumps at all and apply it with brush.

1. Type of lubricant

<Table. 3-1 Type of lubricant>

Component Name	5.571mm	Name of lubricant
Lens Base	Sliding contact surfaces of AF Lens.	Grease KG-513
Others components	Inside and outside friction surface	HANARL UD-420K

*** Brand Name: Kanto Kasei(http://www.kanto-kasei.co.jp/e/index.html)**

* To purchase this product simply click on the URL above.

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2. Instructions

1) Lubricating with Grease: Lens Base

The pins that work AF Lens
1) Apply the Grease KG-513 to the two pins of AF Lens. 2) Do not get any Grease on the AF lens. 3) Apply a light coating of the Grease KG-513 and make sure not to get any on the AF lens and other components.

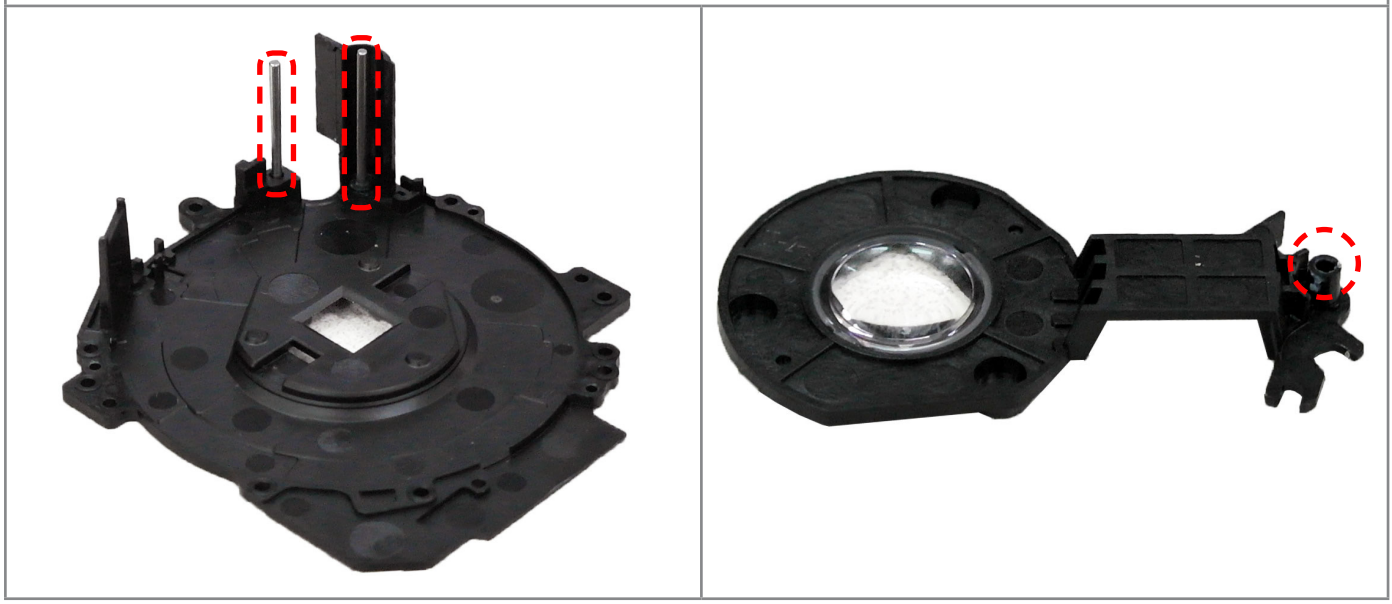

Fig. 3-40

2) Lubricating with HANARL: Others components

Apply the HANARL to the Inside and outside friction surface of the components such as ZOOMRING, CAM BARREL, GUIDE PLATE as illustrated in image below.

CAUTION

- **Make sure to shake the HANARL well first before you use it until there are no lumps.**
- **Apply the HANARL with a clean and good-quality brush, making sure the surface is clean.**
- **HANARL is volatile product. Keep its container tightly covered.**

Fig.. 3-41

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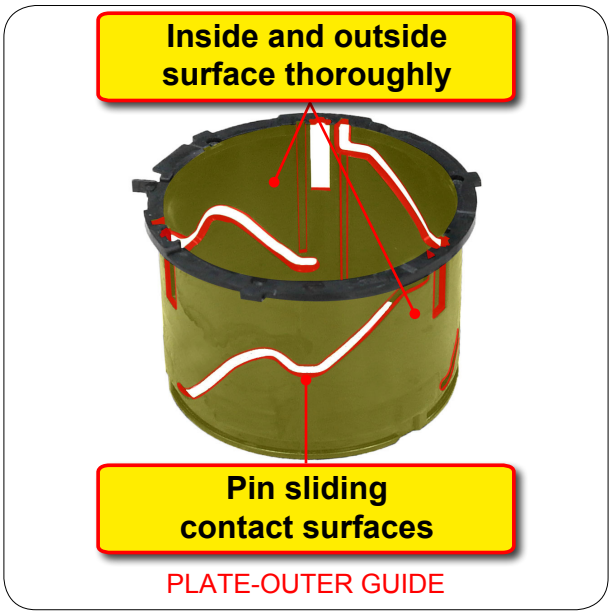

PLATE-OUTER GUIDE

DECO RING-CAM

BARREL-ZOOMRING

BARREL-INNER GUIDE

BARREL-2ND SUB

Fig.. 3-42

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3-3-2 Barrel Disassembly

1. Align the parts marked by ⓐ respectively as illustrated in **Fig. A** and Turn the part slightly counterclockwise
2. Align the parts marked by ⓑ, ⓒ respectively as illustrated in **Fig. B** Then install the **BARREL-INNER GUIDE**.

CAUTION
Align the part respectively in the direction of the arrow as illustrated in the middle image and then install it.

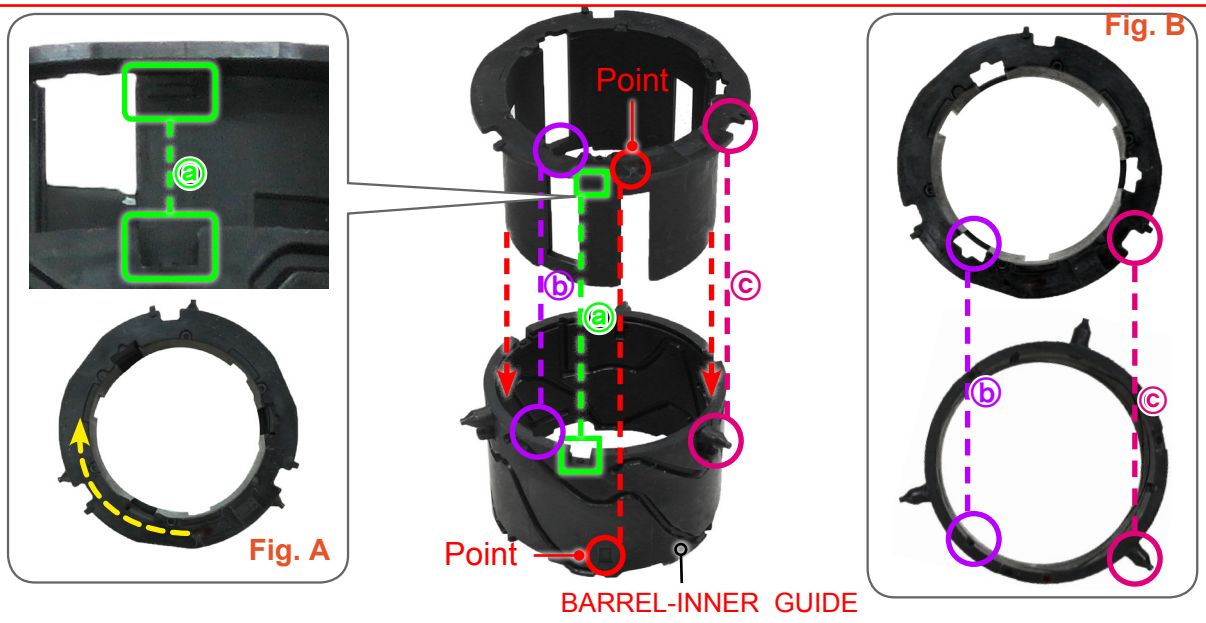

Fig.. 3-43

3. Align the parts marked by ⓐ, ⓑ & ⓒ respectively as illustrated in **Fig. C**.
4. Turn the part fully clockwise and remove the **BARREL-INNER CAM** as illustrated in **Fig. D**.

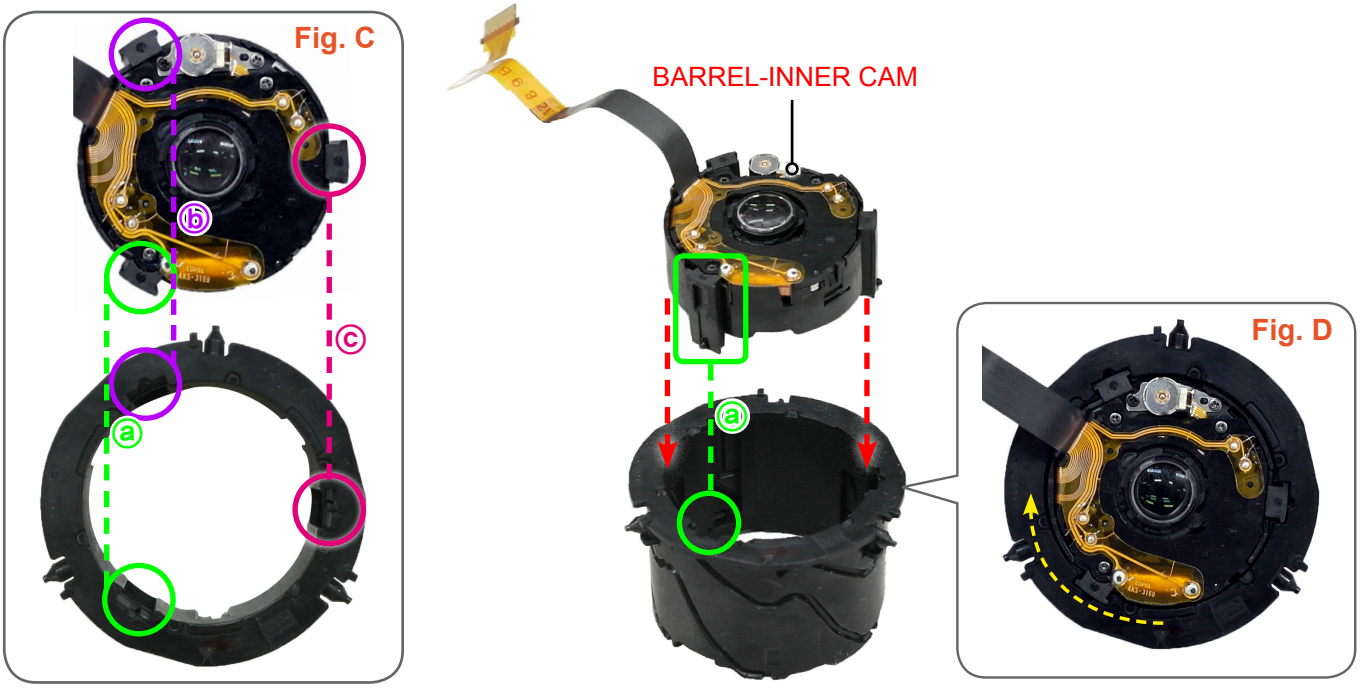

Fig.. 3-44

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5. Align the parts marked by ⓐ, ⓑ & ⓒ respectively as illustrated in **Fig. E**.
6. Turn the part marked slightly counterclockwise
   and remove the ASSY SUB BARREL-ZOOMRING as illustrated in **Fig F**.

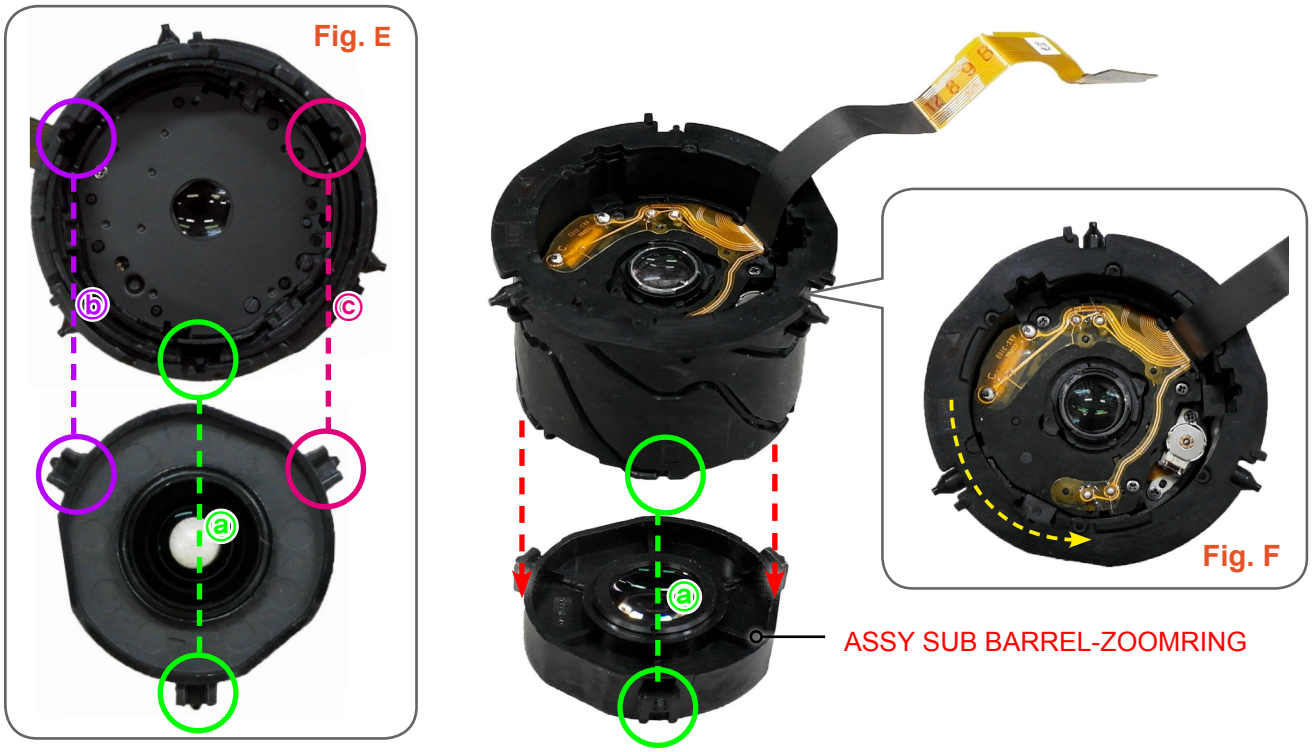

Fig.. 3-45

7. Align the parts marked by ⓐ, ⓑ respectively as illustrated in **Fig. G**
   Then install the **PLATE-INNER GUIDE**

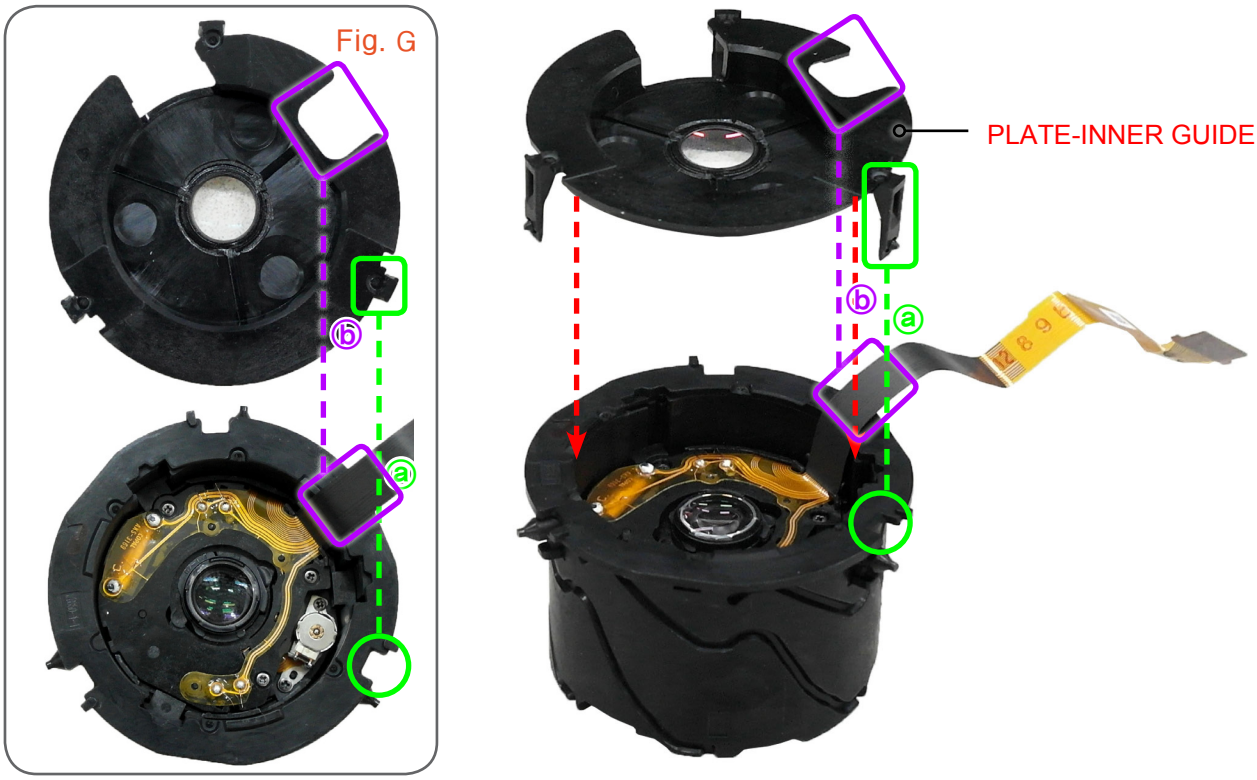

Fig.. 3-46

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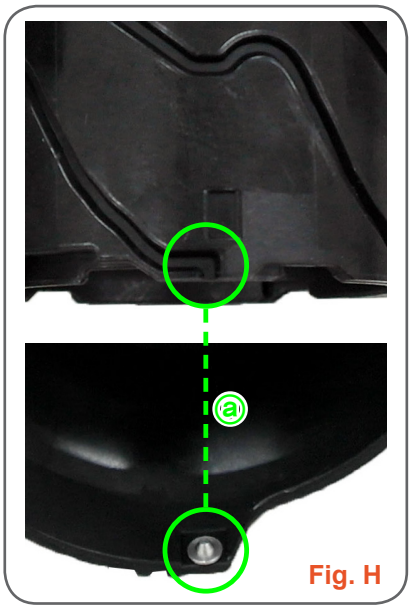
8. Align the parts marked by ⓐ respectively as illustrated in **Fig. H**
9. Turn the part fully counterclockwise along with the direction of the PIN and remove the **BARRE-ZOOMRING** as illustrated in **Fig. I**.

CAUTION
Align the part respectively in the direction of the arrow as illustrated in the middle image and then install it.



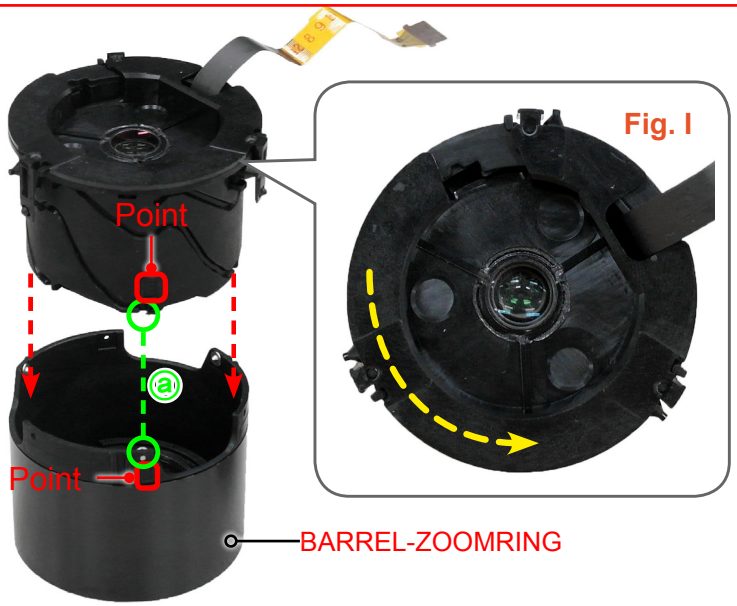
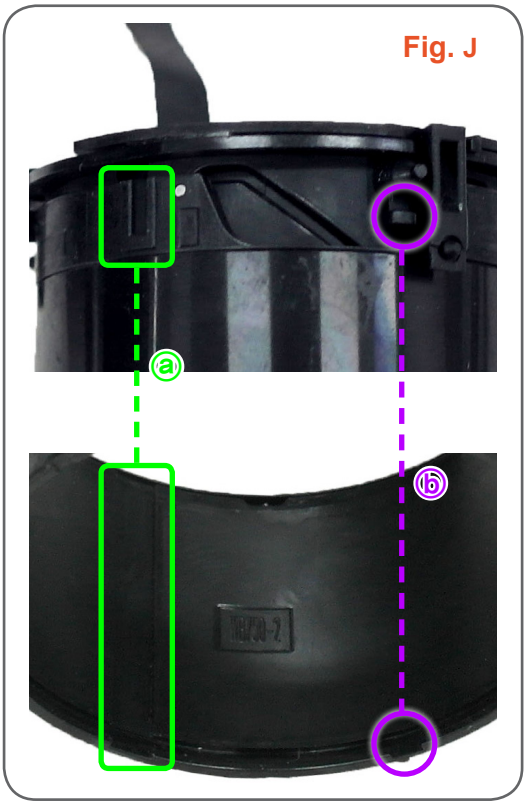


Fig.. 3-47

10 . Align the parts marked by ⓐ, ⓑ respectively as illustrated in **Fig. J**
Then install the **DECO RING-CAM**



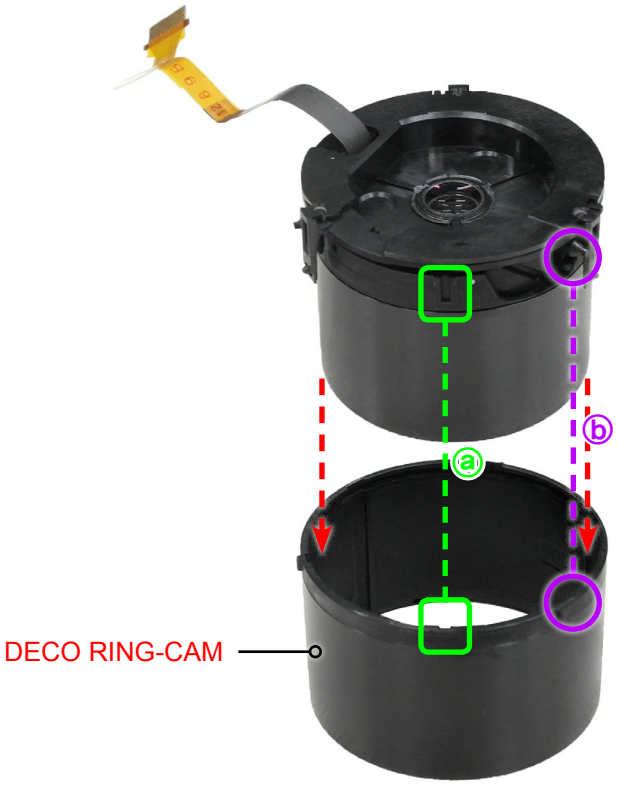


Fig.. 3-48

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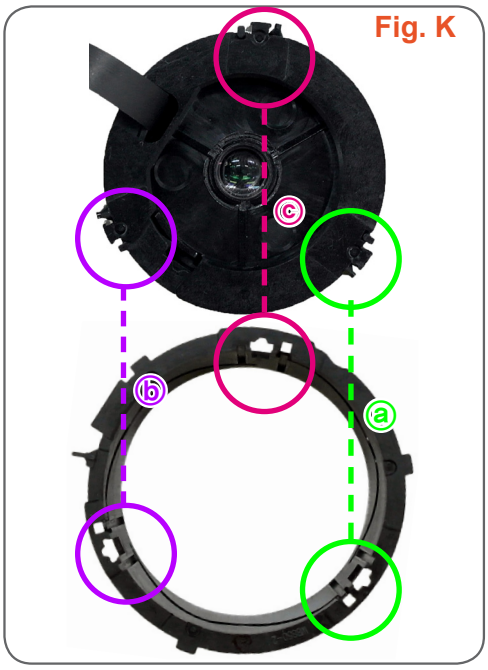
11 . Align the parts marked by ⓐ, ⓑ & ⓒ respectively as illustrated in **Fig. K**
Then install the **PLATE-OUTER GUIDE**

CAUTION
Align the part respectively in the direction of the arrow
as illustrated in the middle image and then install it.



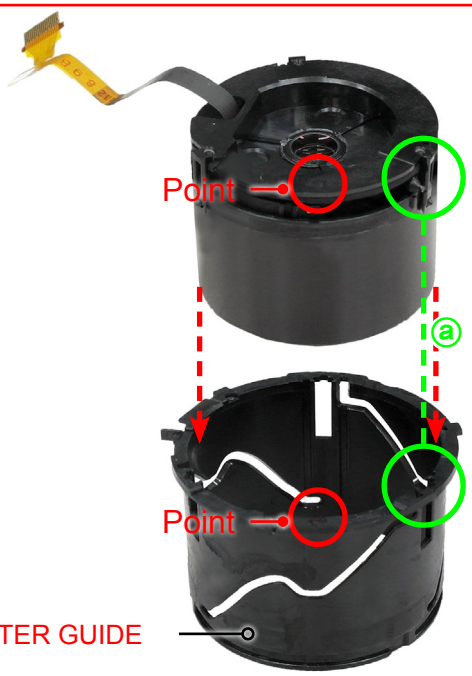


Fig.. 3-49

12 . Align the parts marked by ⓐ, ⓑ respectively as illustrated in **Fig. L**
respectively as illustrated in **BARREL-BASE**

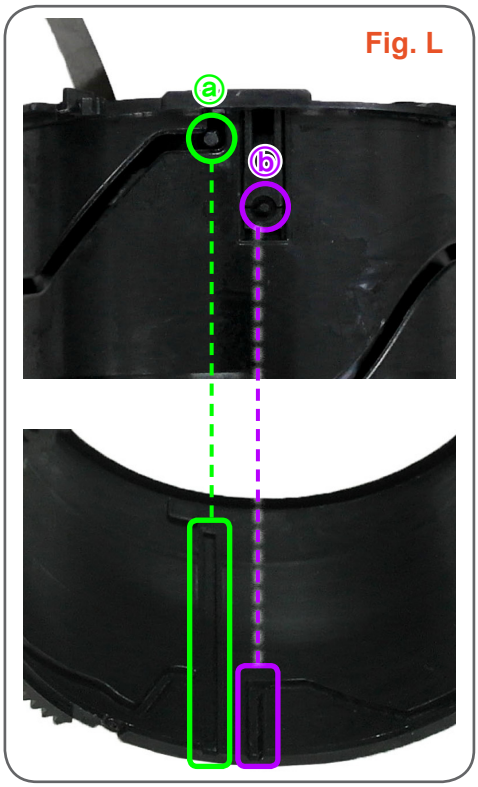


Fig.. 3-50

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13 . Align the parts marked by ⓐ, ⓑ, ⓒ & ⓓ respectively as illustrated in Fig. M
Then install the **BARREL-OUTER GUIDE**

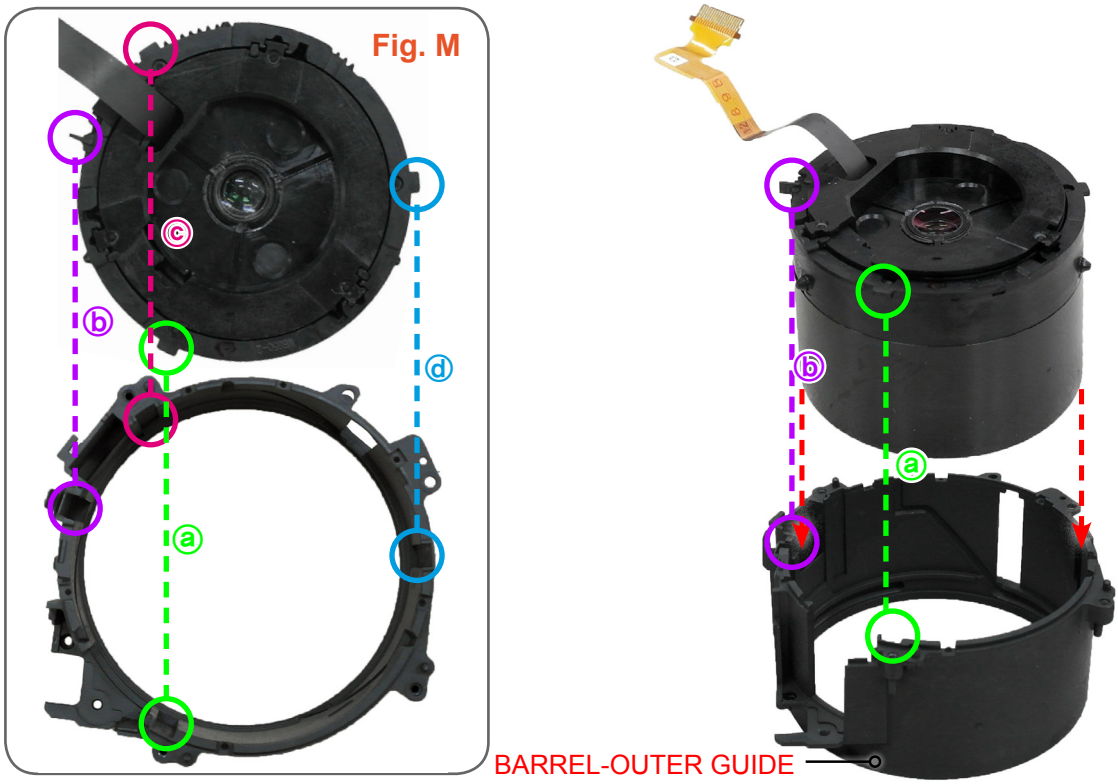

Fig.. 3-51

14. Connect the **FPCB** as illustrated in **Fig. N**

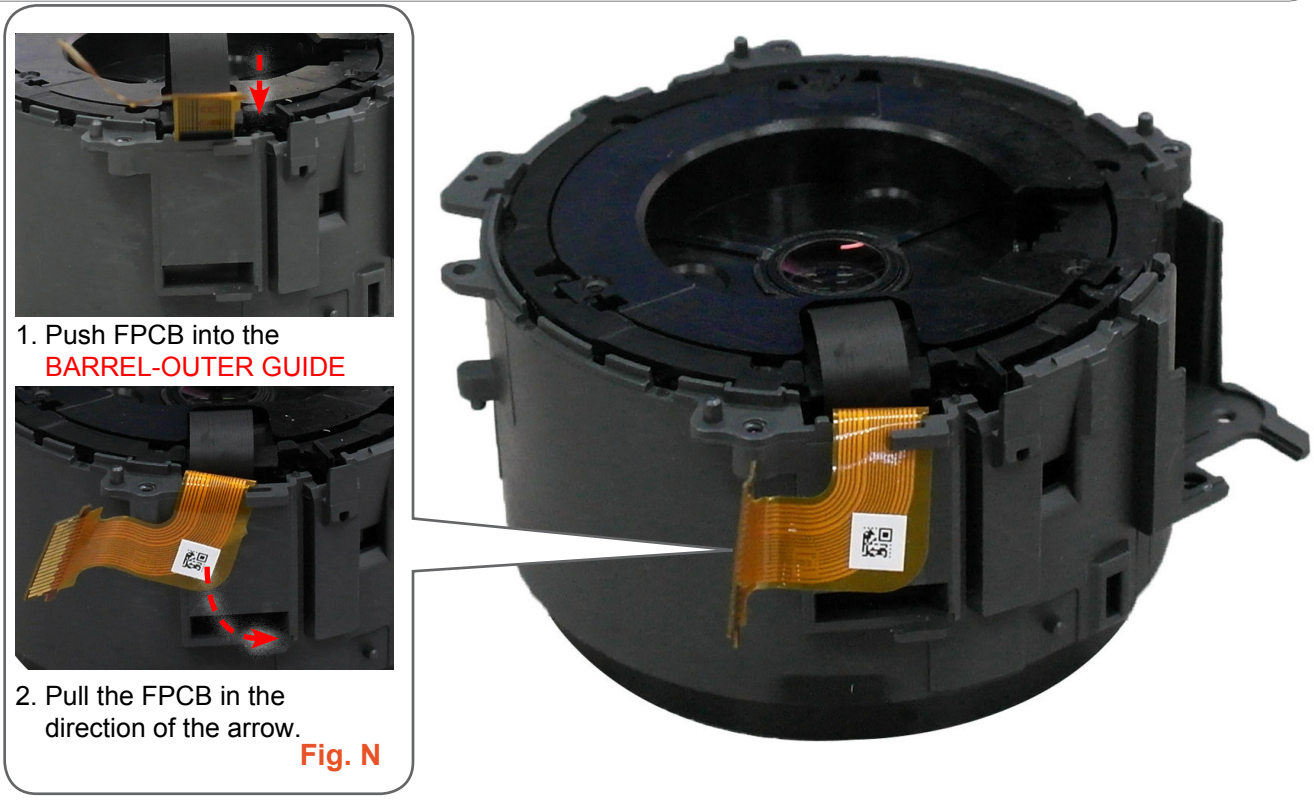

Fig.. 3-52

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15. Install the **connector part** as illustrated in **Fig. O**
16. Align the parts marked by ⓐ, ⓑ respectively as illustrated in **Fig. P** Then install the **ASSY LENS BASE**

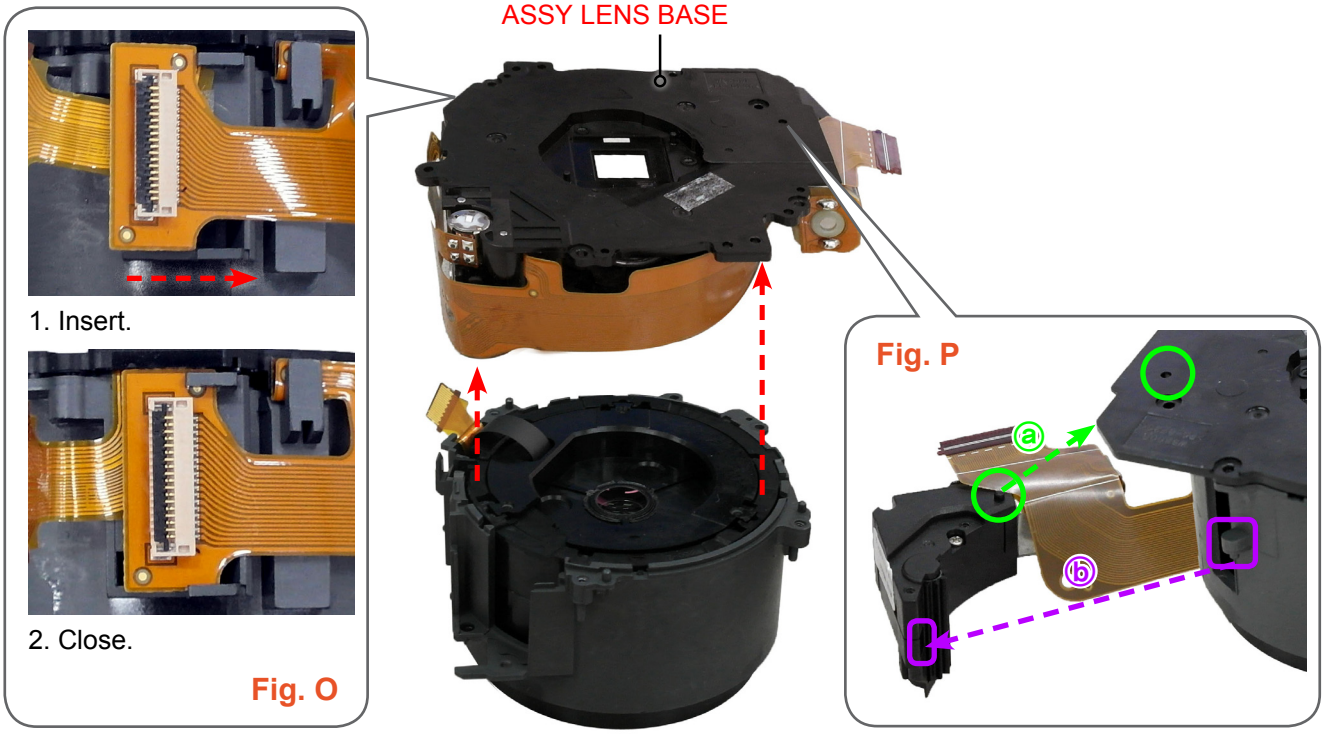

Fig.. 3-53

17. Install the **FPCB** as illustrated in Fig. Q
18. Tighten the **1 screws**.

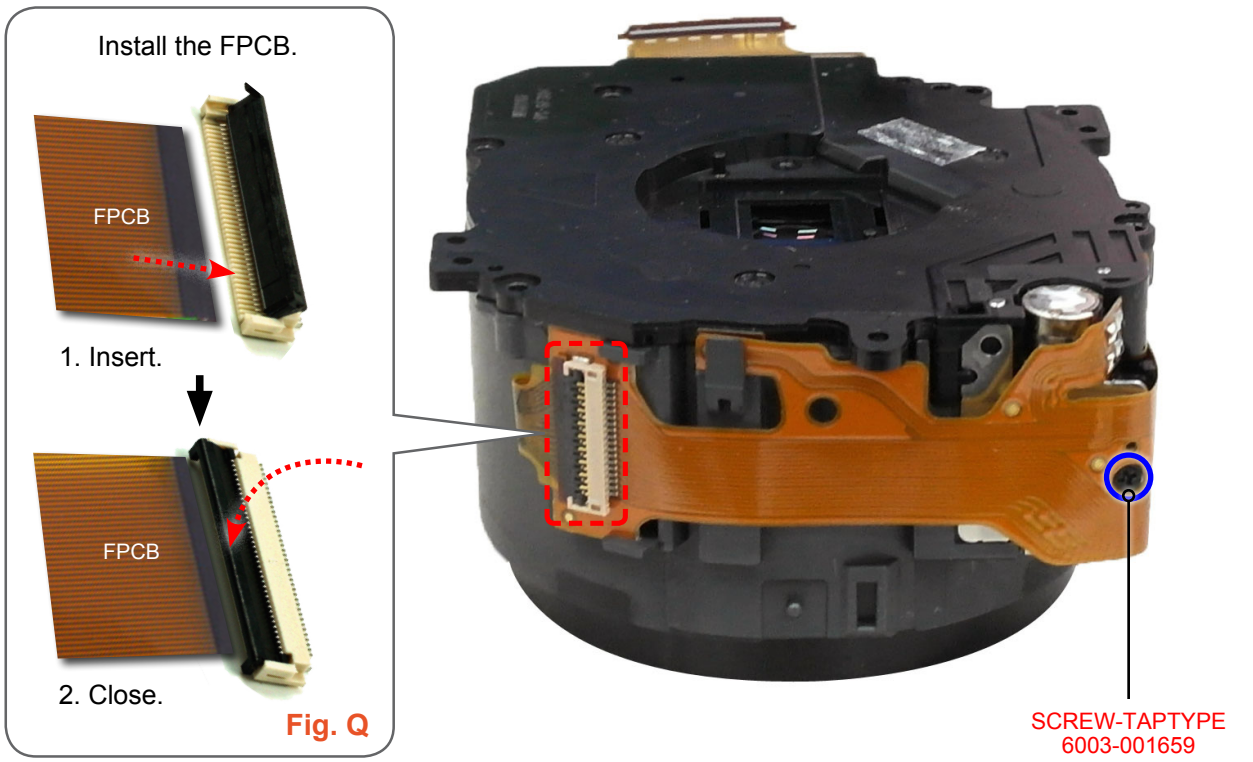

Fig.. 3-54

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19. Tighten the **5 screws**.

Fig.. 3-55

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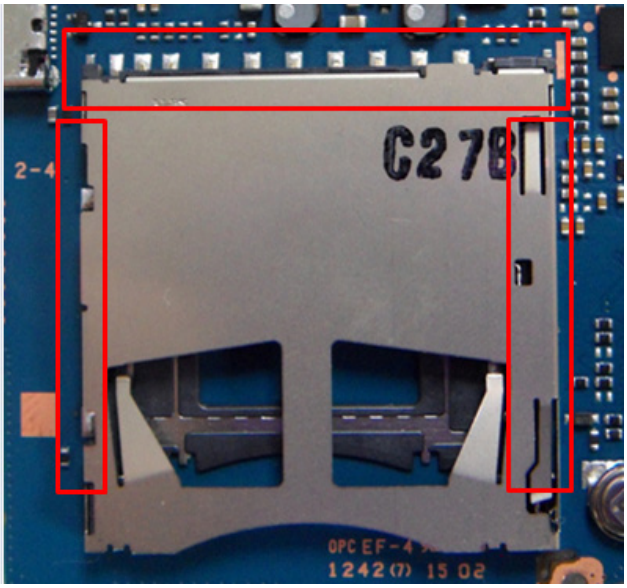
4. Troubleshooting

4-1 SD CARD detect failA/error

Situation	Not recognize the memory card.

	Suggested remedies	Reference
1	Reinsert SD card after cleaning card's PAD pin.	
2	Check the mechanical defects of card socket's detect. Check the SMD states of card socket & nearby devices.	

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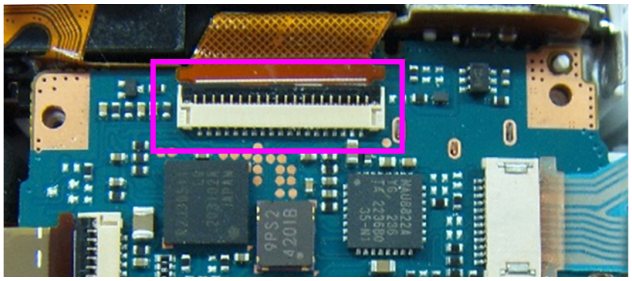
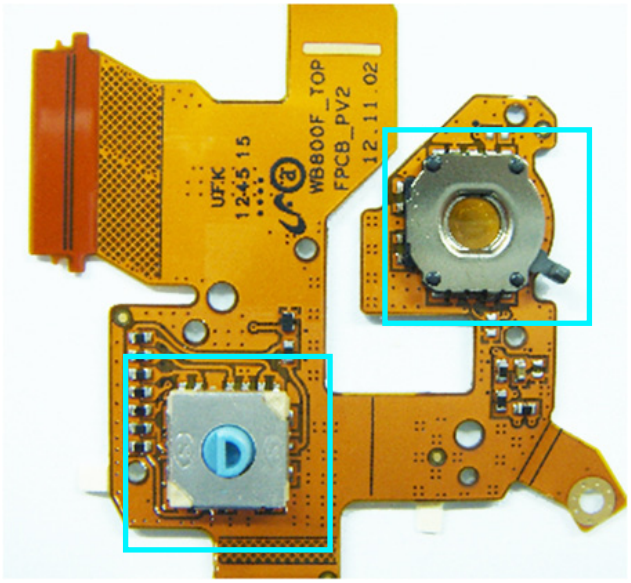
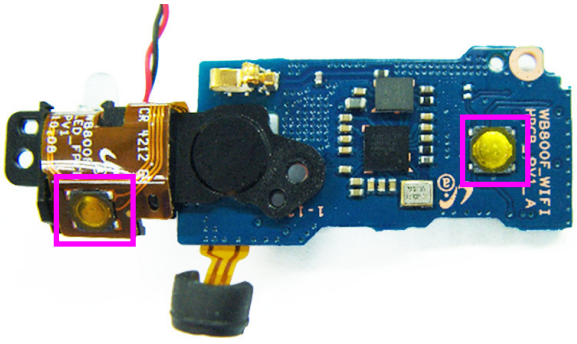
4-2 Switch problems on TOP (Power/Release/Zoom)

Situation	The power, release, mode dial, zoom shutter does not work.

	Suggested remedies	Reference
1	Check the MAIN PCB -TOP FPCB connecting condition.	
2	Check the SMD states of each shutter & zoom switches related devices. Check each switch's mechanical defects.	
3	Check the SMD states of each power & smart link switches related devices. Check each switch's mechanical defects.	

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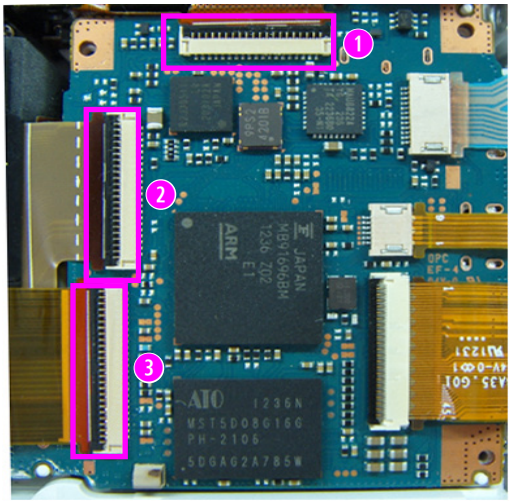
4-3 MAIN PCB connection issues

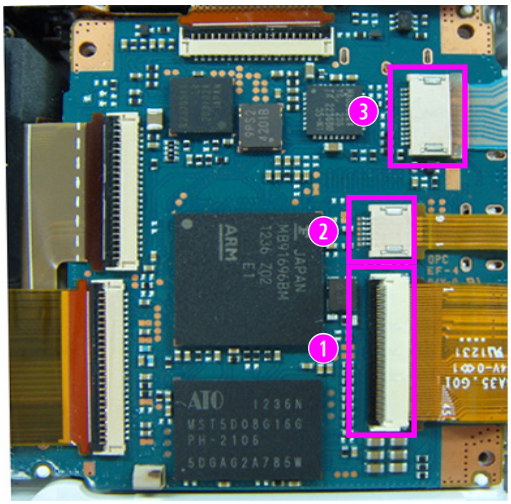
Situation 1.	Cannot turn on the camera.

	Suggested remedies	Reference
1	❶ Check the MAIN PCB -TOP FPCB connecting condition. ❷ Check the BARREL FPCB connecting condition. ❸ Check the Sensors FPCB connecting condition.	

Situation 2.	The white screen appear on display screen, or can not see display screen.

Situation 3.	The touch does not work.

Situation 4.	Does not input in Rear button.

	Suggested remedies	Reference
1	Situation 2. ❶ Check the LCD FPCB connecting condition Situation 3. ❷ Check the TSP FPCB connecting condition Situation 4. ❸ Check the KEY FPCB connecting condition	

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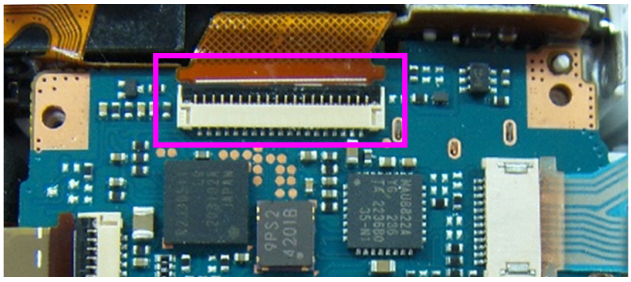
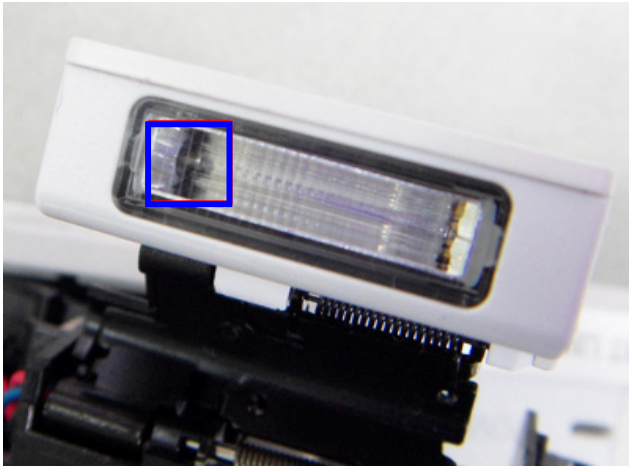
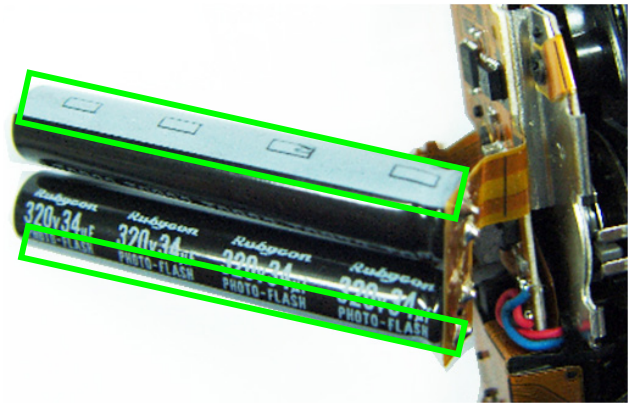
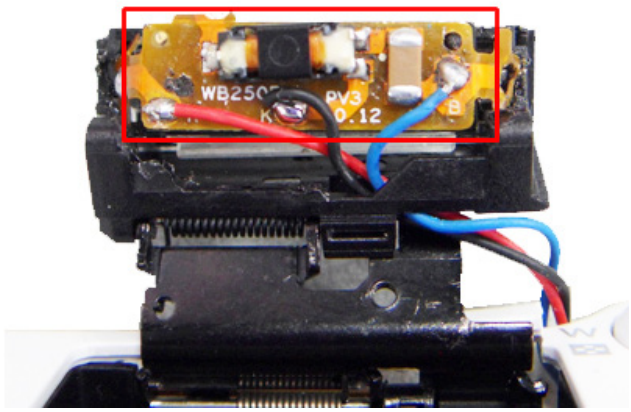
4-4 Flash related problems

Situation	The flash does not work.

	Suggested remedies	Reference
1	Check the MAIN PCB -TOP FPCB connecting condition.	
2	Check a reverse insertion of Xe-TUBE. means (-) plus (+) 	
3	Check the connector and polarity of Main Condenser.	
4	Check a bad soldering of pop-up module and trig coil parts.	

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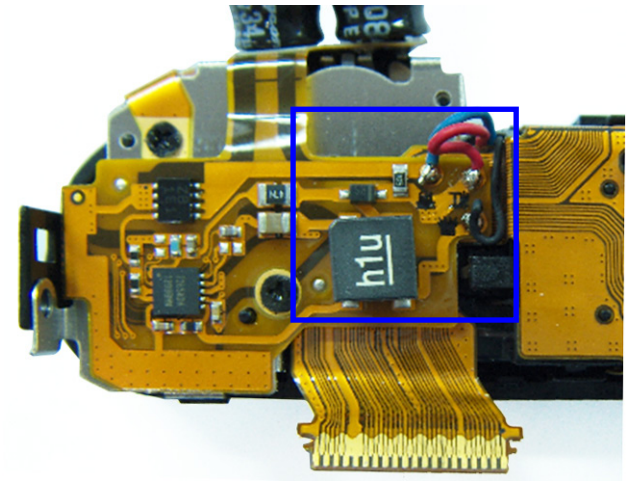
5	Check the SMD states of transformers. Check the pop-up flash and the connection of three wire damage & soldering.	

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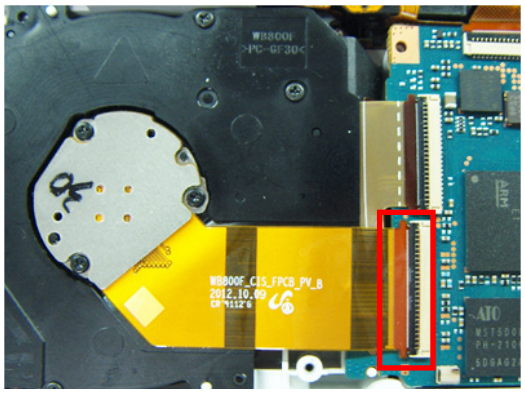
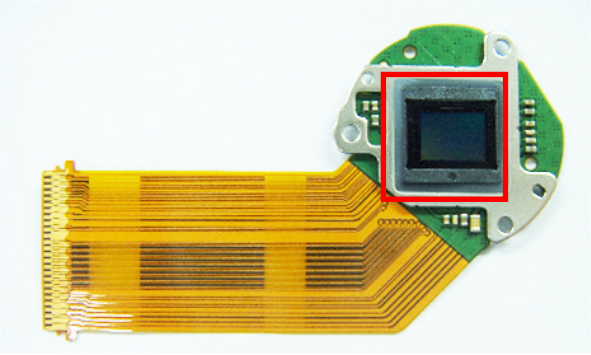
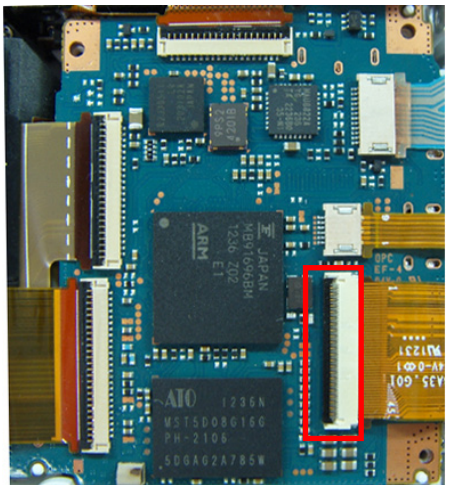
4-5 Image output related problems

Situation	When horizontal/vertical noise preview Image or emulsification occurs when preview black out occurs.

	Suggested remedies	Reference
1	Check the FPCB connecting condition and SMD states of CMOS CONNECTOR.	
2	Check the CMOS SENSOR ASSY crack. Change the CMOS SENSOR ASSY & check.	
3	Check the FPCB connecting condition and SMD states of CMOS connector.	

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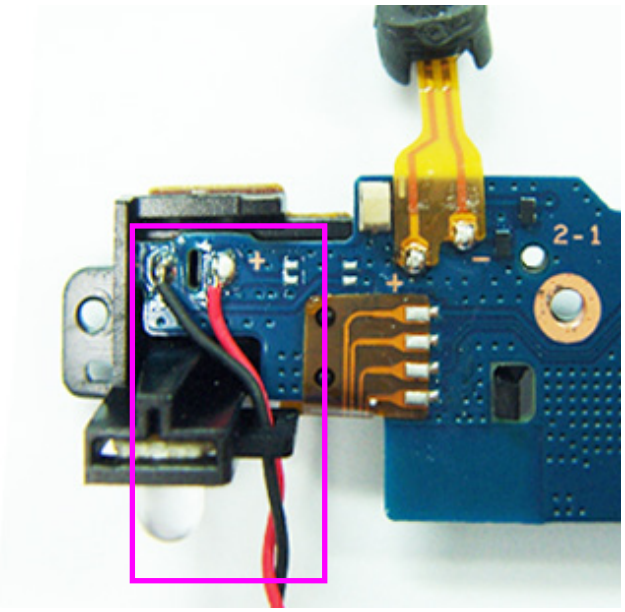
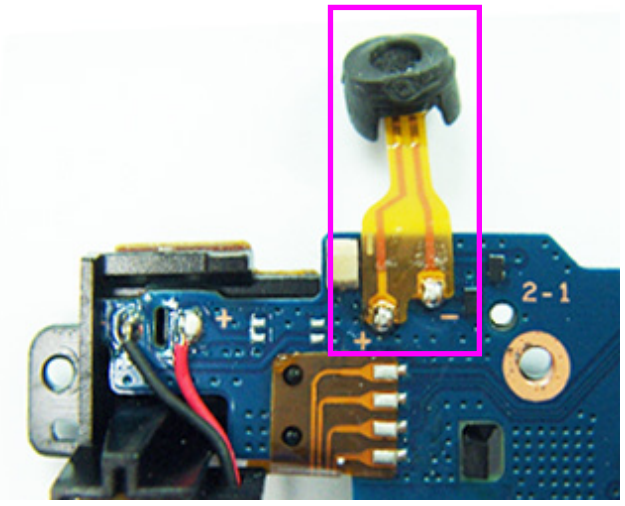
4-6 When you cannot hear the recorded sound

Situation	Does not sound.

	Suggested remedies	Reference
1	Check the connector and polarity of speaker. Check the soldering point and wire of speaker.	

Situation	Be heard sound of button but have no sound of voice recording

	Suggested remedies	Reference
1	Check the polarity to soldering of MIC. Check the damage states of MIC FPCB.	

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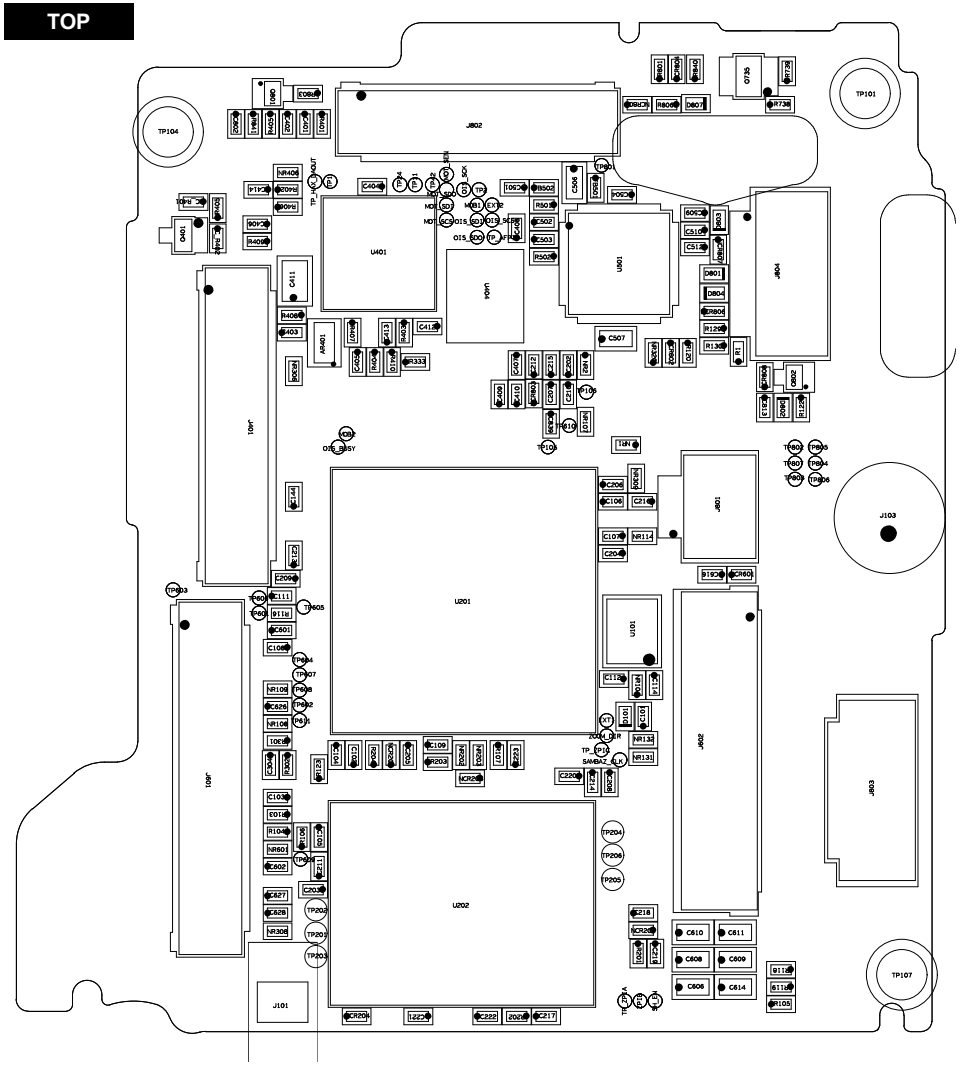
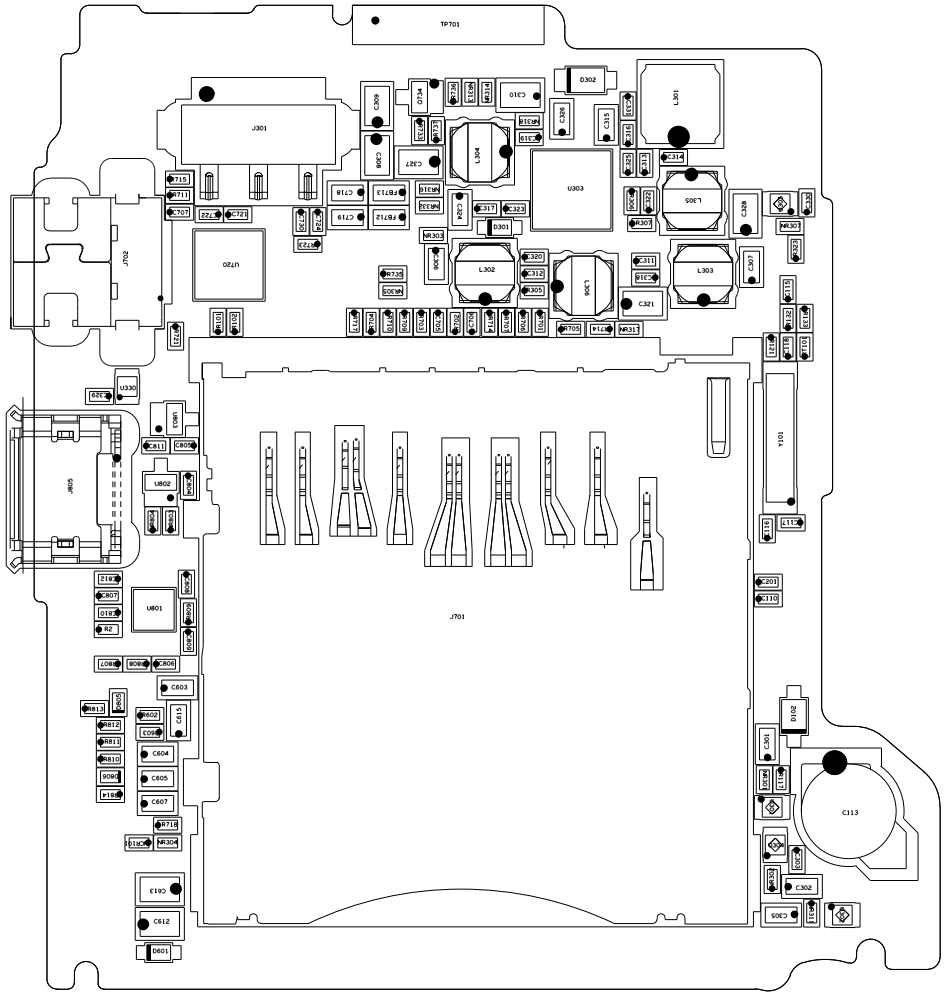
5. PCB diagrams

5-1 MAIN PCB

TOP



BOTTOM



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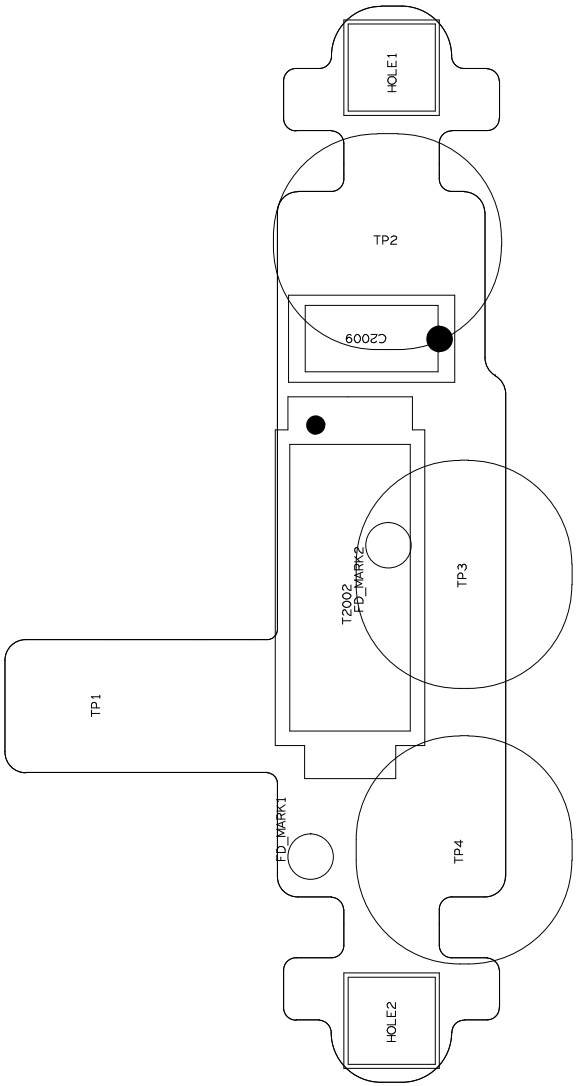
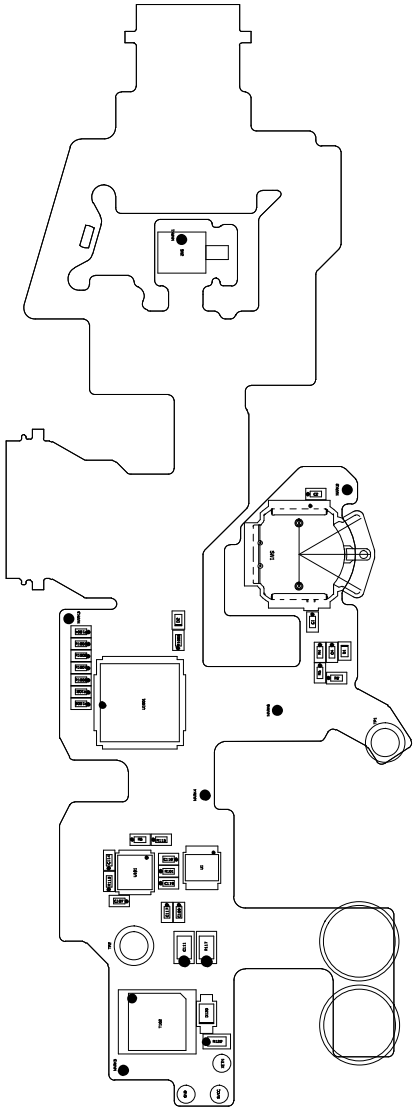
5-2 POPUP PCB

TOP



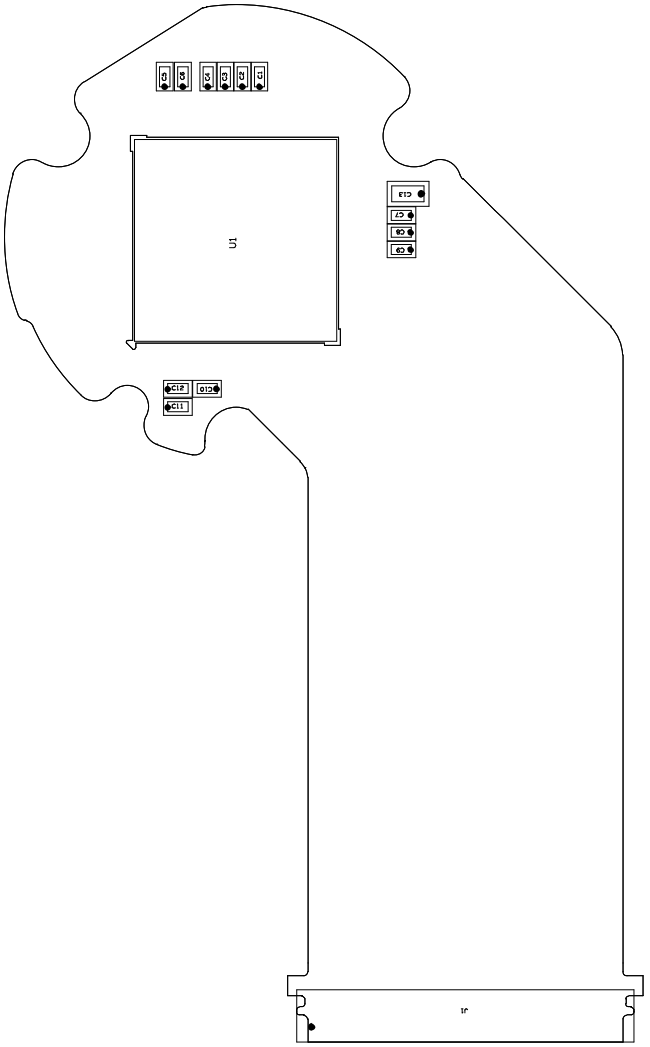
5-3 TOP PCB

TOP



5-4 CIS FPCB

TOP



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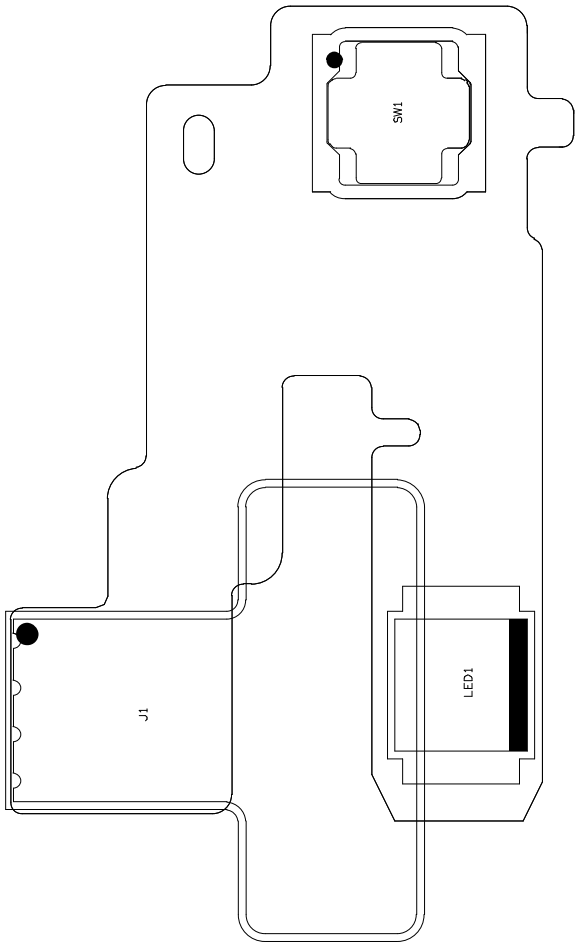
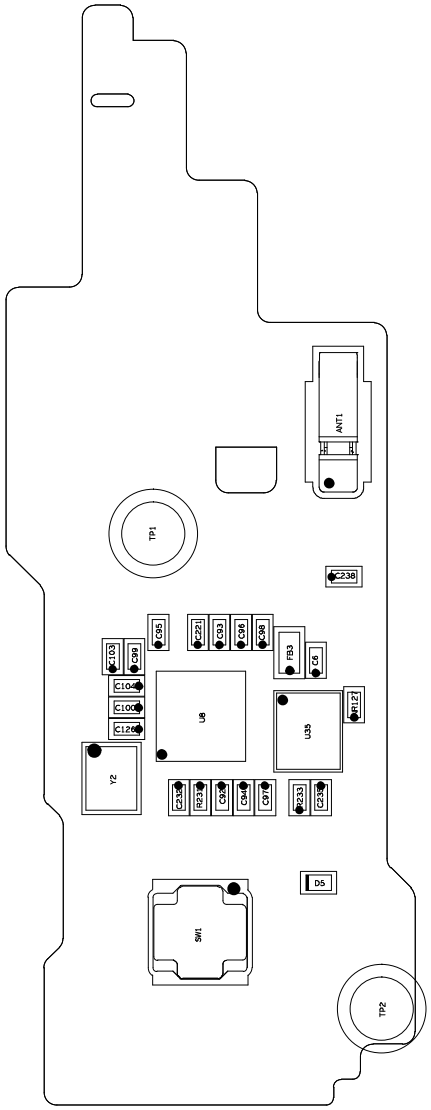
5-5 LED FPCB

TOP



5-6 WIFI HPCB

TOP



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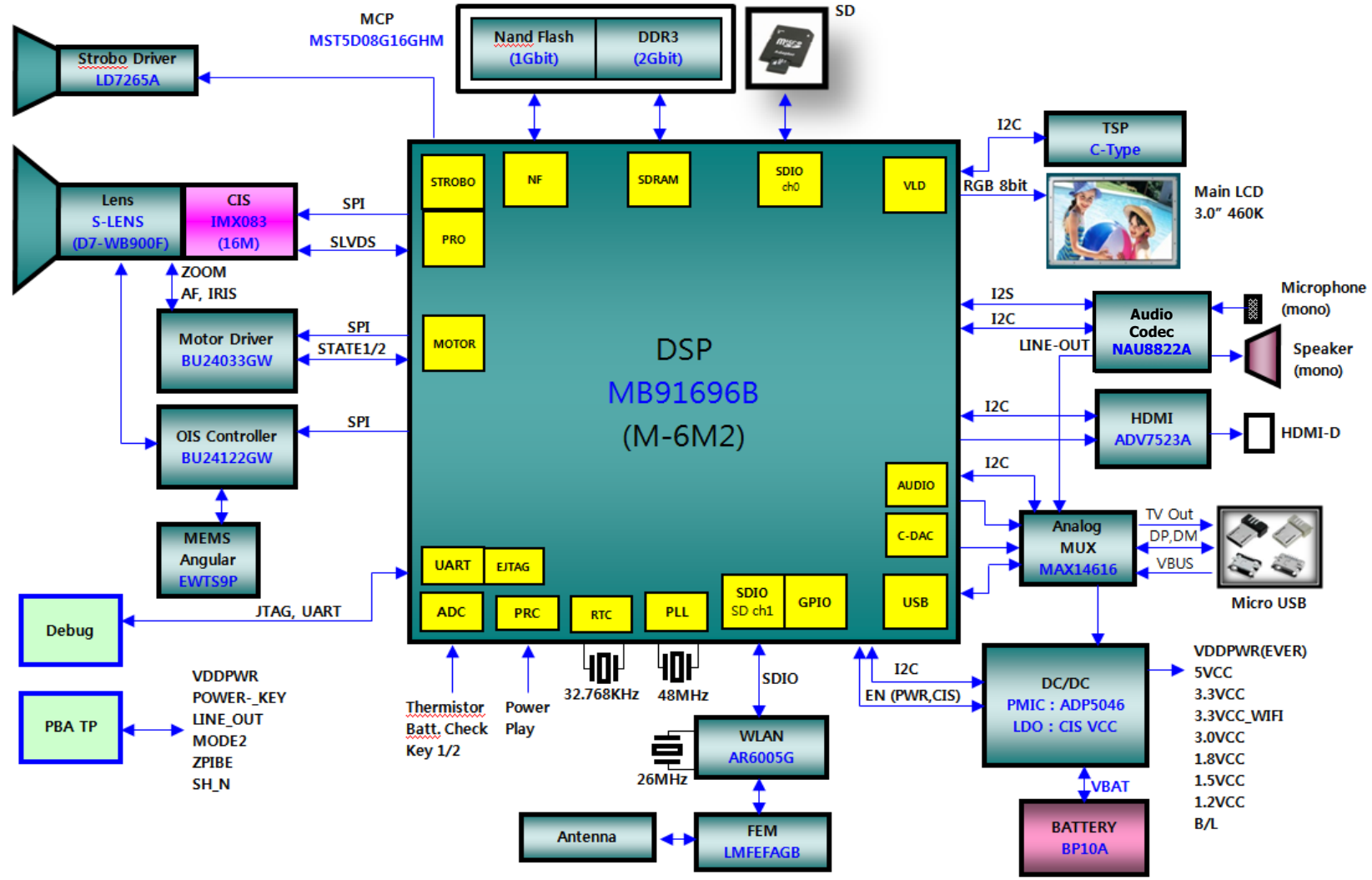
6. Block diagram

WB800F Block diagram



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7. Firmware update

7-1 Product reset

This describes how to reset the camera to factory default setting.

1. First turn on the power of the camera.

Fig. 7-1

2. Press the (1) SHUTTER button + WIDE direction and then turn the (2) POWER off.

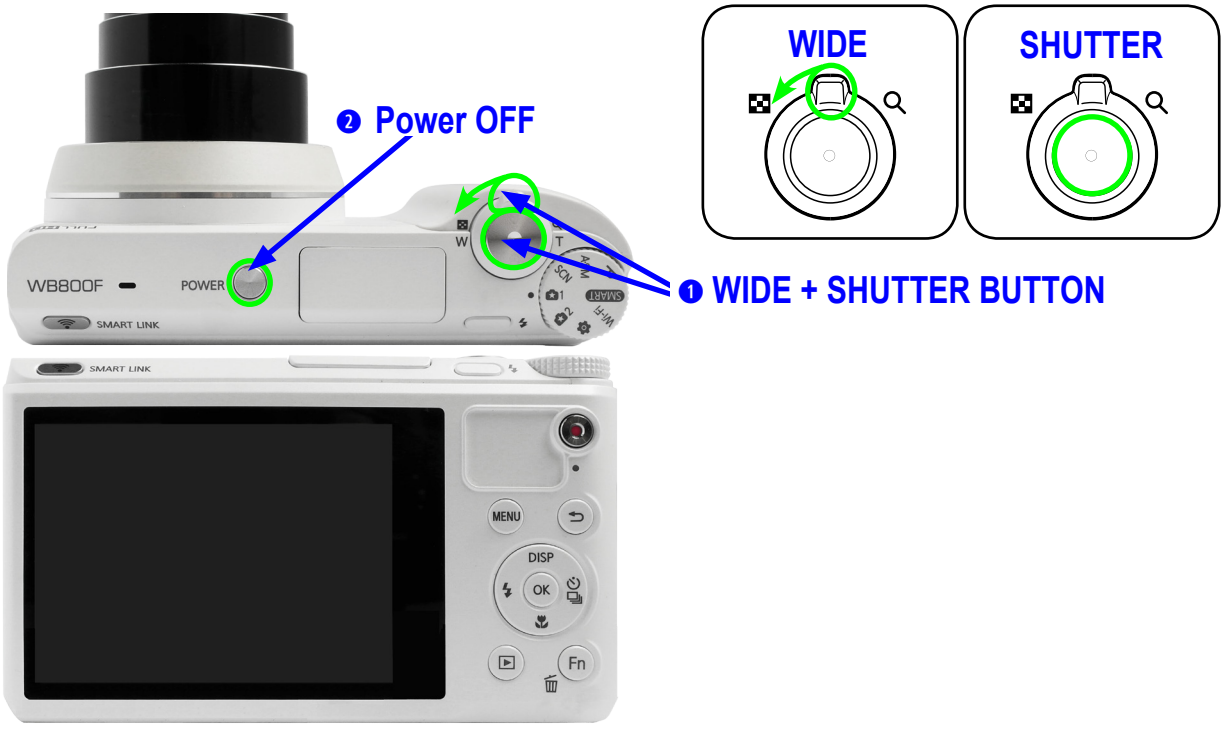

Fig. 7-2

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3. Turn the power of the camera on again to check whether it has been reset.

Fig. 7-3

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7-2 Version check

This describes how to check the version of the current firmware of the camera.

1. Use fully charged battery for power.

2. First turn off the power of the camera.

3.Press the (1) SHUTTER button + WIDE button, and then turn the (2) POWER on.

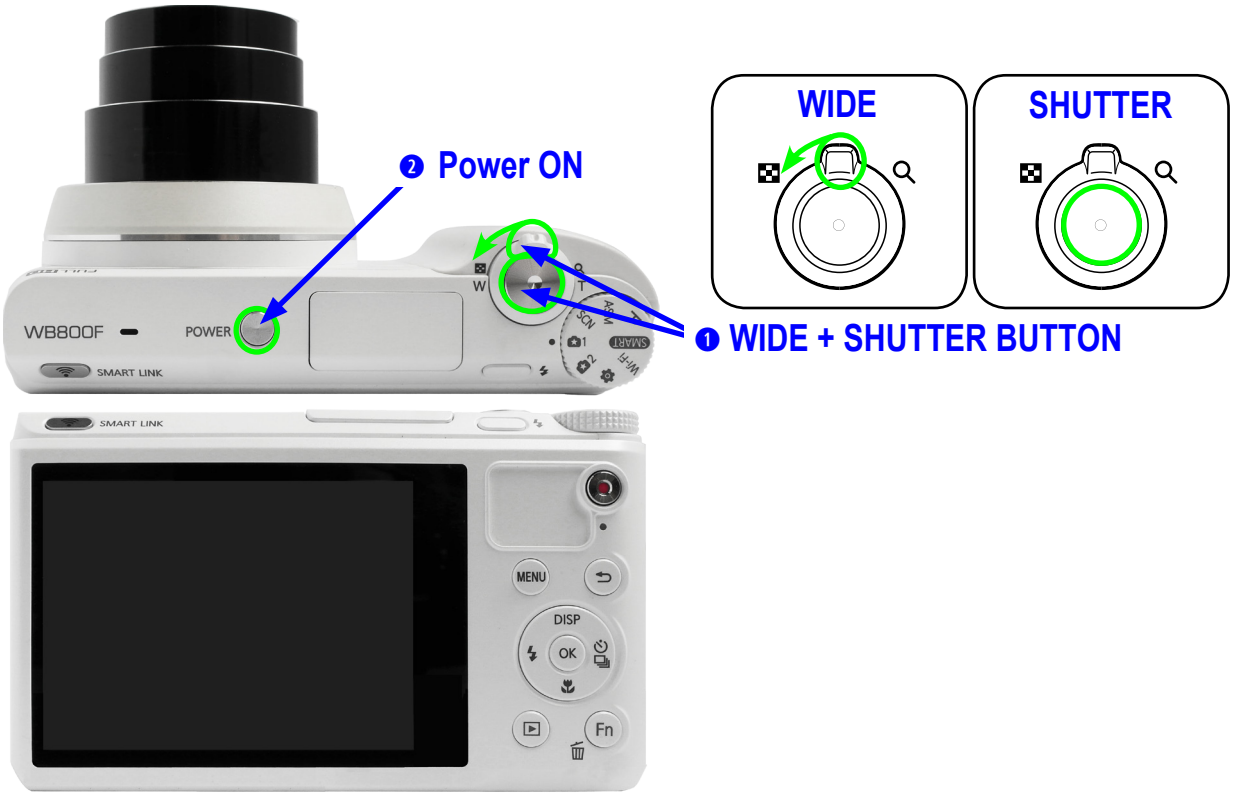

Fig. 7-4

4. **Check the version of the firmware and then turn the power off.**

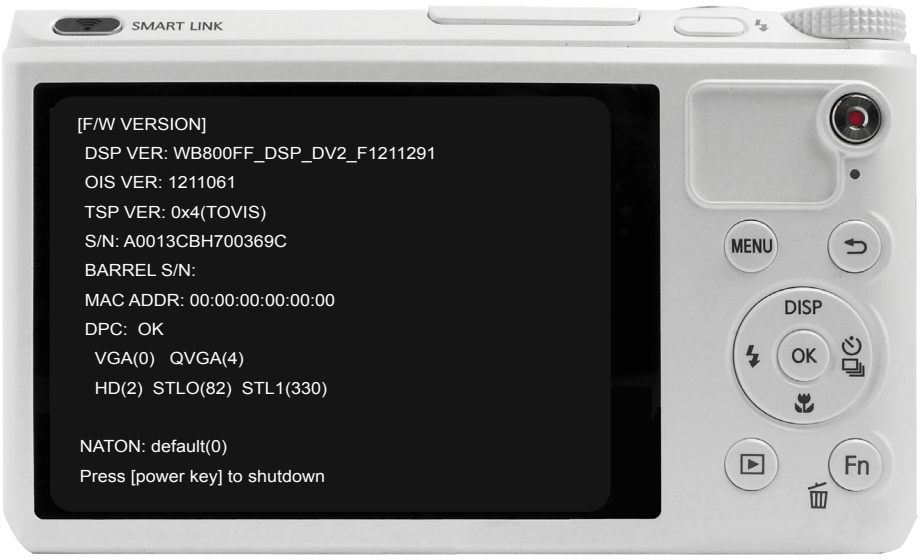

Fig. 7-5

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7-3 Update

♦ **How to execute the firmware**

The firmware is configured in the following structure.
Code area is where the execution codes to operate the camera are located, and the Partition [1:3] area is where the various resources necessary to operate the camera are saved. Among these areas, Partition 3 area is where the Defective Pixel adjustment data and Lens Shading adjustment data are saved.
User Area is where the setting values are saved through the menu when the user uses the camera, and the adjusted data through integrated process is saved.

<Table. 7-1>

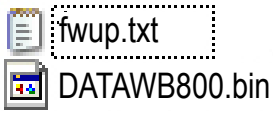
code	partition1	partition2	partition3	User Area

► **Reference of general version:**

- As the version to update the Code + Partition [1:2] area, this protects both the adjusted data saved in the User Area and the Partition 3 area.

1. Insert the memory card containing the firmware data file and Update Script file into the camera.

* You need two files to update the firmware and the required files are firmware data file and Update Script file.
* Because all data saved on the FLASH memory will be reset when you update the firmware, back up your data before proceeding with the update.



2. Use the AC adaptor or fully charged batteries for the power.

* You can proceed with the update only when the battery level is full (Icon showing full up to 3rd level).

3. Turn on the power of the camera.

Fig. 7-6

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4. The version of the firmware to update will be displayed on the LCD screen. When you press the SHUTTER button, the firmware update will start.

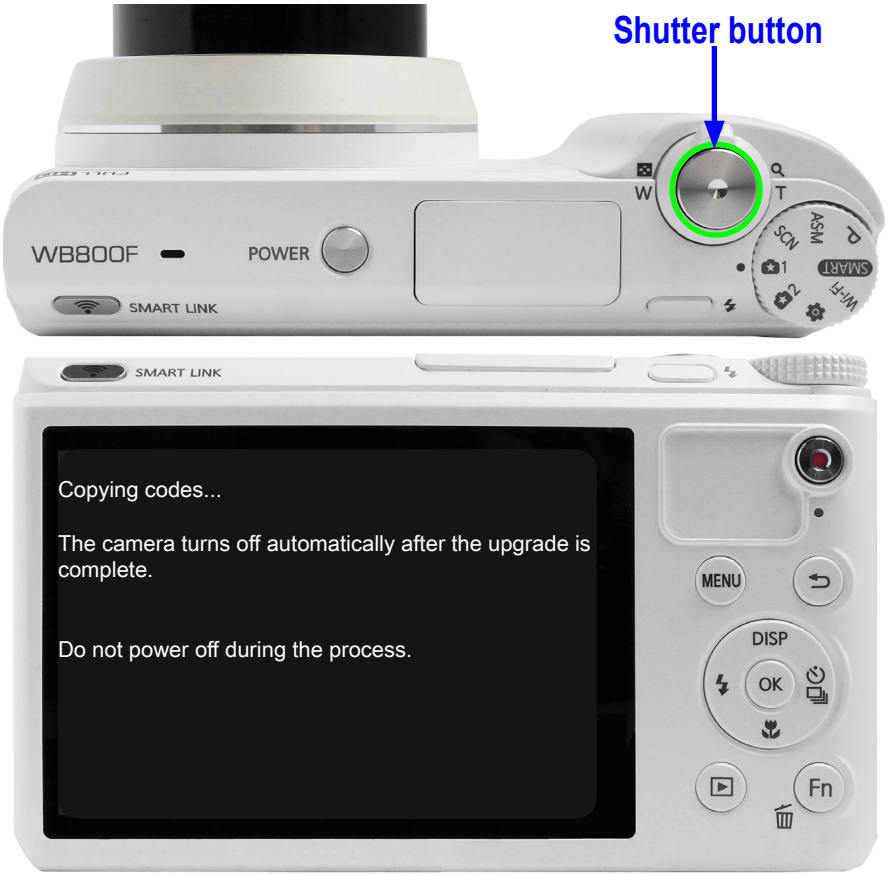

Fig. 7-7

5. The progress of the firmware update will be displayed on the LCD and the update will proceed.

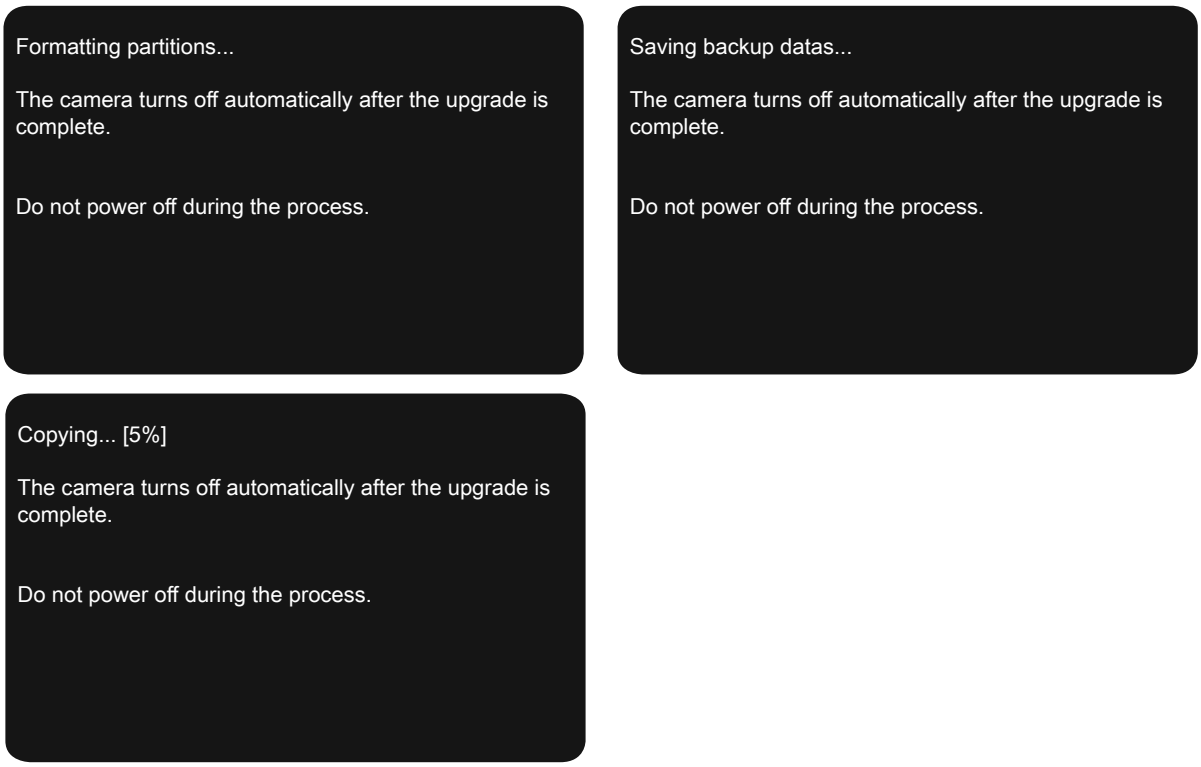

Fig. 7-8

6. When the update is completed, the camera will automatically be turned off.

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7-4 How to recover the MAIN PCB

- This section describes how to recover the MAIN PCB when camera stops functioning due to power failure or some other reasons during the firmware process.
- It is not necessary to go over all the adjustment process again since the existing adjustment data is deleted.

Required materials

1. SD card less than 1GB
- It is recommended to use a SD card with less than 1GB.
2. Soldering iron
- It is used to short out the TP on MAIN PCB.
3. The latest firmware files such as DATAWB800.bin.
- You can download the latest firmware file from the K-zone or Samsung website.
- Note that the name of the firmware file may vary depending on WB model.

1. Remove the camera as Fig. 7-9.
- Removing the BACK COVER → KEY PCB.

2. Download the latest firmware file and copy to the SD card .
- Save the latest version firmware file(DATAWB800.bin) into root folder in SD card.
- Do not save the “fwup.txt” file. Only save the “DATAWB800.bin” file.

3. Insert the memory card containing the firmware data file into the camera.
* You can proceed with the upgrade only when the battery level is full (Icon showing full up to 3rd level).

4. Soldering the TP in red circle on Main PCB to short out the circuit.
Then press the power button to turn on the camera.

Fig. 7-9

5. LED will turn on blink when turn on the camera. The MAIN PCB recovery process will proceed.
(It will takes about 2 minutes.)

6. LED will turn off when the recovery process is complete.

7. Remove the Soldering.

8. Remove the SD card and then assemble the camera.
- Assemble the KEY PCB → BACK COVER

9. Turn the power of the camera on again to check whether camera has been functioning.

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8. Adjustment

8-1 Basic guide for adjustment

■ After replacing an electronic part, you must make changes for each adjustment item in the **WB800F.**
■ The following table shows the necessary adjustment item for replacing each part.
■ Adjust when the camera must be fixed with a tripod and not moveless condition must be maintained.

1. After replacing an electronic part, you must make adjustments for each item by referring to the following table.

<Table. 8-1 Adjustment information>

	MAIN PCB	TOP FPCB POPUP PCB	BARREL ASSY	CIS ASSY
Firmware update	O	X	X	X
OIS CENTERING ADJ	O	X	O	O
PUNT(Auto Focus) ADJ	O	X	O	O
SHUTER CLOSE, CCD, IRIS ADJ	O	X	O	O
LENS SHADING ADJ	O	X	O	O
CIS DEFECT PIXEL ADJ (DPC)	O	X	O	O
FLASH & AWB ADJ	O	O	O	O
WIFI SETTING, MAC ADDR, SERIAL NO WRITE enter	O	X	X	X

2. Adjustment equipment

- Light source box: Light source box that supporting **LV 12**.
- The colour temperature specification of the Light box is **3300K**.(Yellow light source)
- Infinity Collimator for PUNT adjustment.
- Gray chart (18%) and DARK BOX for FLASH & AWB adjustment.
- POWER SUPPLY: 4.2V/2A

3. Adjustment program file

Save the "Adjustment" file and "cs_adj.txt" file on memory card as follows.

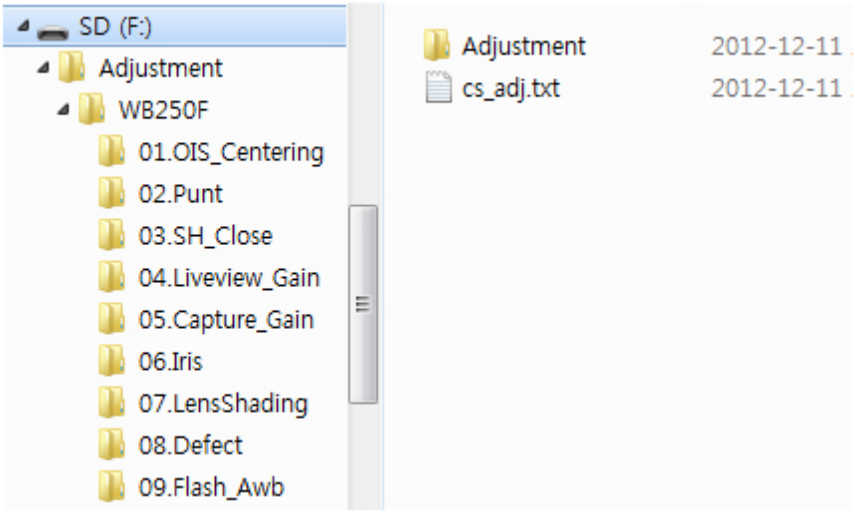

Fig. 8-1

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4. Adjustment mode entry process.

1) Insert the memory card containing the two adjustment file into the camera and then turn on the power of the camera.

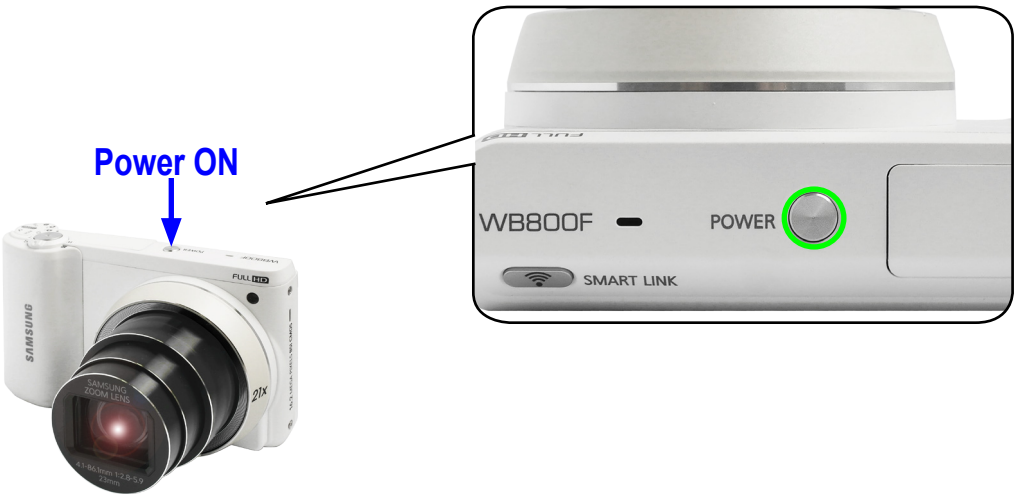

Fig. 8-2

2) Entering the adjustment mode to press the WIDE direction + SHUTTER button as shown below.

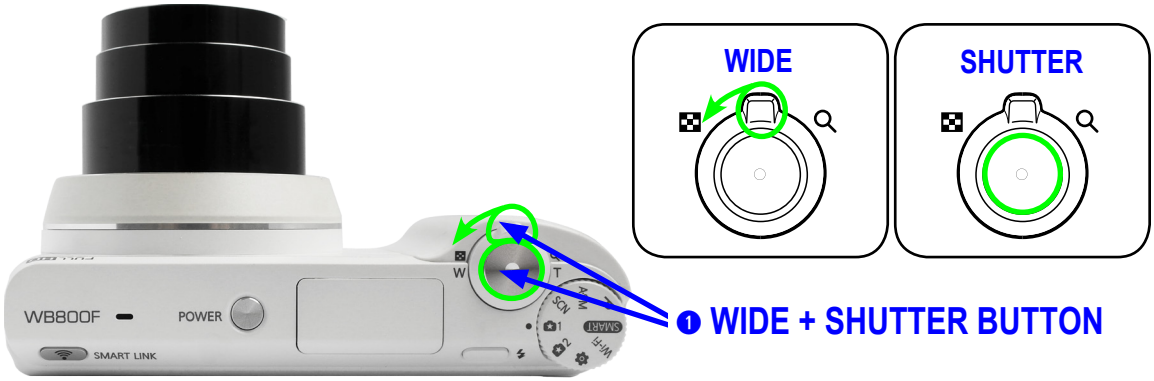

Fig. 8-3

3) The adjustment can be performed by select the adjustment item desired from the menu below.

※ Selection is touch or five direction keys

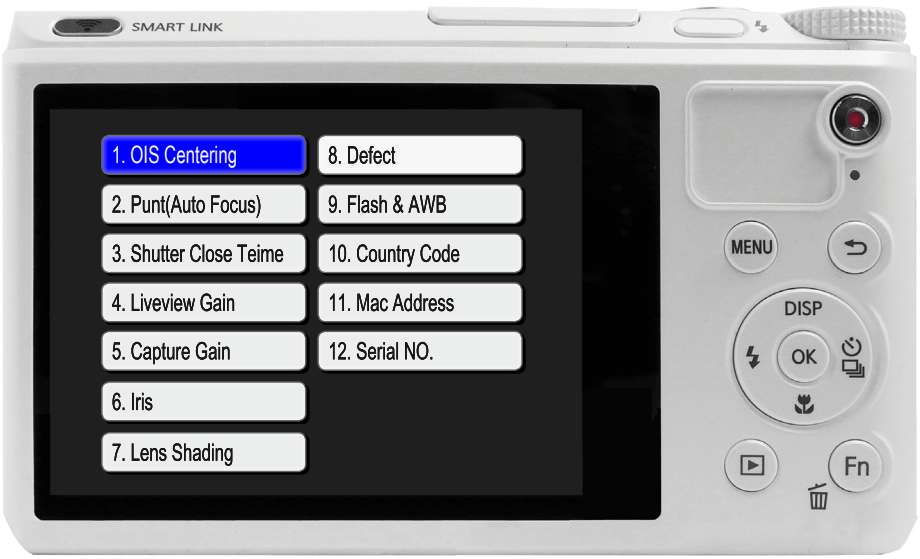

Fig. 8-4

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8-2 OIS CENTERING ADJ

This adjustment is adjust by centre to location of OIS lens.

<Adjustment method>

1. Insert the memory card containing the adjustment file into the camera and then entering the adjustment mode.

2. Select the OIS Centering of adjustment menu.

3. Adjustment is made automatically.
- OIS module will be operated left/right/up/down 2-3 times.

4. When the adjustment is completed, the camera will be off automatically.

CAUTION

Put your camera, face up, on a steady surface such as a table or anything solid that won't move.
Don't put your camera on a highly unstable surface. Also don't put your camera down or hold it.
The noise may significantly affect degrading the Gyro Sensor and Hall Sensor performance.

8-3 PUNT(Auto Focus) ADJ

■ **Adjustment objective:** Adjustment for implement the performance of AF optimized by adjustment to assembly deviation of barrel(Lens).
■ **Necessary equipment:** Infinity Collimator

<Adjustment method>

1. Refer to the following adjustment environment specification to adjust the focus.
1) Used specification of Infinity Collimator.
- Set the illuminance specification of the Collimator to 6 LV.
- Maintain distance of less than 1cm between the end of the camera body tube to the lens surface of the Infinity Collimator.
- The camera must be fixed while the adjustment is made.

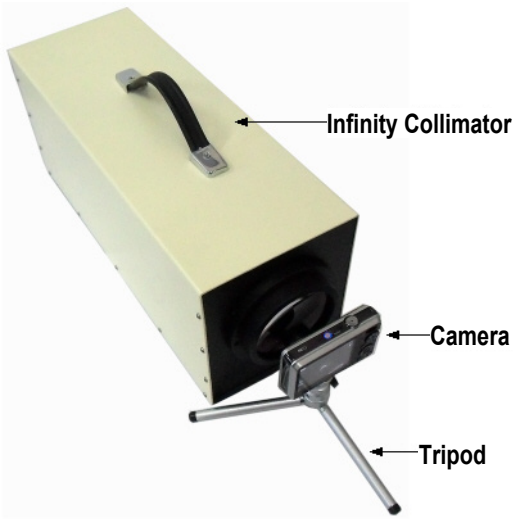

Fig. 8-5

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2) Adjustment method by using a infinite object

- The camera must be fixed with a tripod and levelled condition must be maintained.
- Set up the camera toward a building or object in infinite distance (more than 500m). (Do not use the chart)
- Set a cathedral, apartment or object with high contrast in day environment/AF area display.

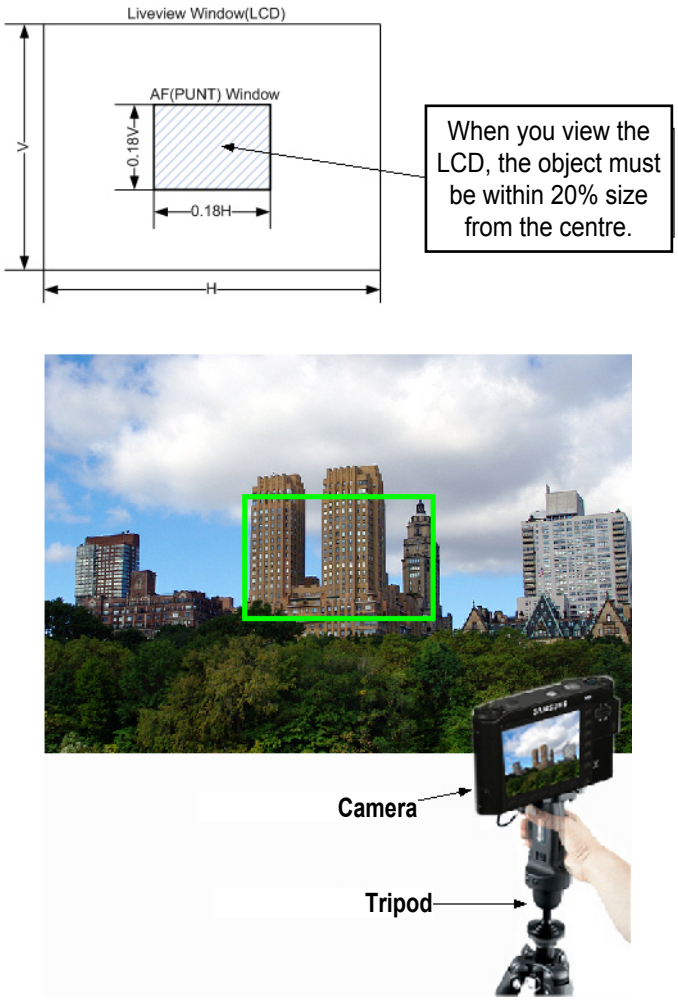

Fig. 8-6

CAUTION

When you begin the adjustment process at indoor, open the window and focus on a subject where it is essentially infinitely far away such as apartment or church expect all-glass building. Try not to attempt the adjustment process at night. It may generate the inaccurate test result.

2. Insert the memory card containing the adjustment file into the camera and then entering the adjustment mode.

3. Select the Punt(Auto Focus) of adjustment menu.

4. Adjustment is made automatically.

5. When the adjustment is completed, the camera will be off automatically.

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8-4 SHUTTER CLOSE, CIS GAIN, IRIS ADJ

■ Adjust the Close timing of the device shutter by camera.
■ Because there is a deviation of shutter closing time by each set, make adjustments by each set to reduce this deviation.

<Adjustment method>

1. Prepare the Light source box that can be adjusted to LV 12.

2. Insert the memory card containing the adjustment file into the camera and then install the camera to the Light source box.
* Luminance specification of the Light box is **LV 12**.
* The colour temperature specification of the Light box is **3300K**.

Fig. 8-7

3. Select the Shutter Close Time of adjustment menu.

4. The adjustment process will automatically start.
❶ Check the number of maximum adjustments which have been set, and adjust the Shutter close time, CMOS sensor gain, IRIS
❷ Carry out inspection by referring to the specifications for brightness.
- The line delay and sub delay, Gain, IRIS value are adjusted to find the proper values for the specifications for brightness.
❸ If the result value are within spec, it is OK. Otherwise, it is NG.
❹ Write the adjustment value in the EEPROM by referring to the EEPROM WRITE data.
❺ Write the result of the adjustment value in the data file by referring to the CARD WRITE data.

5. When the adjustment is completed, the camera will automatically be turned off.

6. Liveview Gain, Capture Gain, Iris are also perform in the same way.

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8-5 LENS SHADING ADJ

■ Adjust the lens shading for the brightness of the periphery of the lens for each camera.
■ Because the surrounding brightness is darkness compared to the centre for lens, correction to brightness so that the surrounding brightness is higher.

<Adjustment method>

1. Prepare the Light source box.

* Luminance specification of the Light box is **LV 12**.
* The Light box is located at 10mm ± 1mm with the body tube open.
* The colour temperature specification of the Light box is **3300K**.

2. Insert the memory card containing the adjustment file into the camera and then install the camera to the Light source box.

Fig. 8-8

4. Select the Lens Shading of adjustment menu.

5. The adjustment process will automatically start.

❶ Adjust the Lens Shading with large lense, Zoom 0 condition.
❷ Refer to the EEPROM WRITE information and write the adjustment result to EEPROM.
❸ Write the result of the adjustment value in the data file by referring to the CARD WRITE data.
❹ Set the lower and upper specification.

6. When the adjustment is completed, the camera will automatically be turned off.

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8-6 FLASH & AWB ADJ

■ Set a limit to the illuminance by the Flash light to classify the hardware defect.
■ Classify the set that deviates from the specifications by illuminating times and then calculate the flash R, B gain.
■ AWB HIGH item is adjusted simultaneously.

<Adjustment method>

1. Attach an 18% reflective paper in the dark room where the light is blocked.

2. Set up the camera in the dark room.

3. Set the distance between the reflective paper and camera to 50cm.

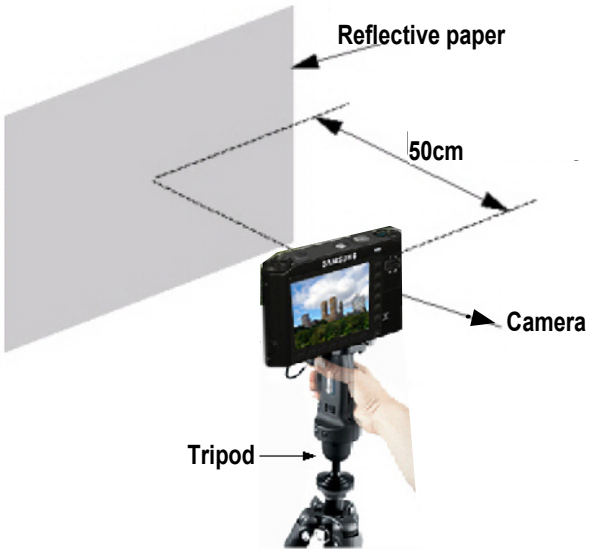

Fig. 8-9

4. Insert the memory card containing the adjustment file into the camera and then entering the adjustment mode.

5. Select the Flash & AWB of adjustment menu.

6. The adjustment will automatically start.

❶ Compare the reference illumination for 2 illuminations using the flash algorithm, and make a judgment.
❷ By using the average value of the illuminance of 2 times, check the R and B gain to make Pass/No Pass judgment.
❸ Record the R and B gain to EEPROM during flash process and R, B gain success.

7. When the adjustment is completed, the camera will automatically be turned off.

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8-7 CIS DEFECT PIXEL ADJ

Calibrate the Defective pixel of Image Sensor(CIS) for each camera.

<Adjustment method>

1. Insert the memory card containing the adjustment file into the camera and then entering the adjustment mode.

2. Select the Defect(CIS Defect Pixel) of adjustment menu.

3. The adjustment will automatically start.

❶ Check the set reference level, exposure time and loop, and execute the Defective Pixel calibration.
❷ Refer to the specification (Maximum number of defective cells) and execute the check.
❸ Refer to the CARD WRITE information to write the number of defective cells to the data file.

4. When the adjustment is completed, the camera will automatically be turned off.

8-8 COUNTRY CODE(Wi-Fi) Input

■ In case of Wi-Fi Built-in models, MAC Address Write procedure is required after replacing Main PCB.
■ Symptom : If country is not selected after replacing Main PCB;
- Proper SNS for its country as below is not available.
- Keypad for its country when using Wi-Fi (English default)
- Wi-Fi data transmission speed may be slow.

<Adjustment method>

1. Insert the memory card containing the adjustment file into the camera and then entering the adjustment mode.

2. Select the Country Code of adjustment menu.

3. Input the 3-digit country code in the screen below.

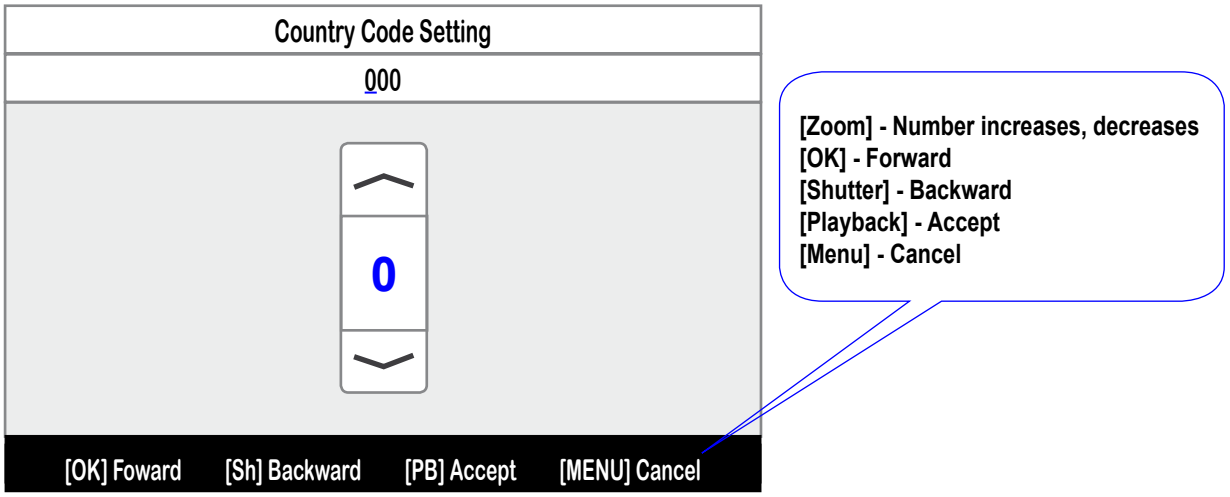

Fig. 8-10

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8-9 MAC ADDRESS(Wi-Fi) Input

When you can not find MAC Adress due to failure or malfunction of components in the Main PCB, contact to headquarter.
It will offer the new MAC Adress.

<Adjustment method>

1. **Insert the memory card containing the adjustment file into the camera and then entering the adjustment mode.**
2. **Select the Mac Address of adjustment menu.**
3. **Input the 12-digit Mac Address in the screen below.**

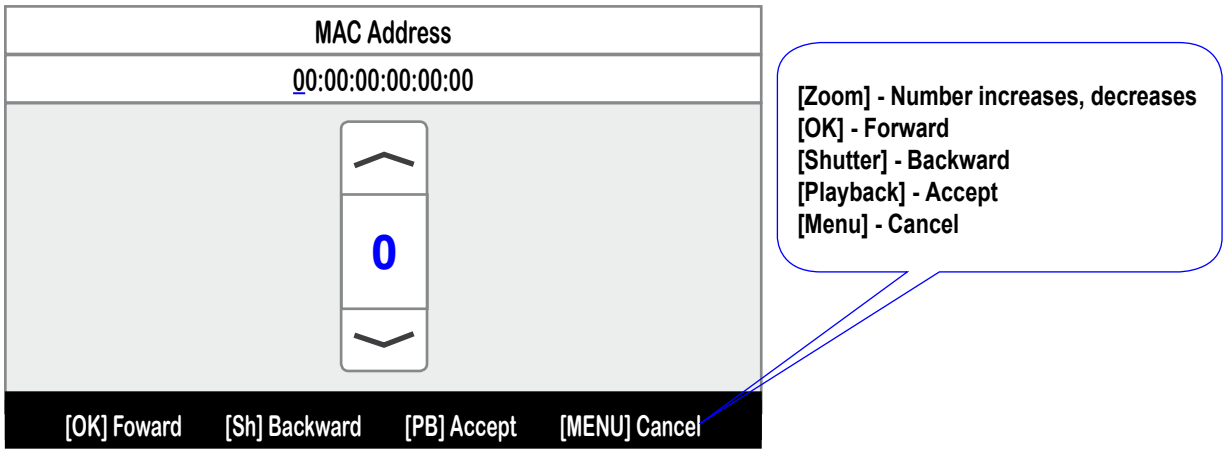

Fig. 8-11

8-10 SERIAL NO. Input

- If the Serial Number label of the camera has been Erased, check the Serial Number into version check mode.
  - Version check mode: Press the (1) SHUTTER button + WIDE button, and then turn the (2) POWER on.
- Check the repair history or genuine to through Serial Number of camera.

<Adjustment method>

1. **Insert the memory card containing the adjustment file into the camera and then entering the adjustment mode.**
2. **Select the Serial No. of adjustment menu.**
3. **Input the 15-digit Serial No. in the screen below.**

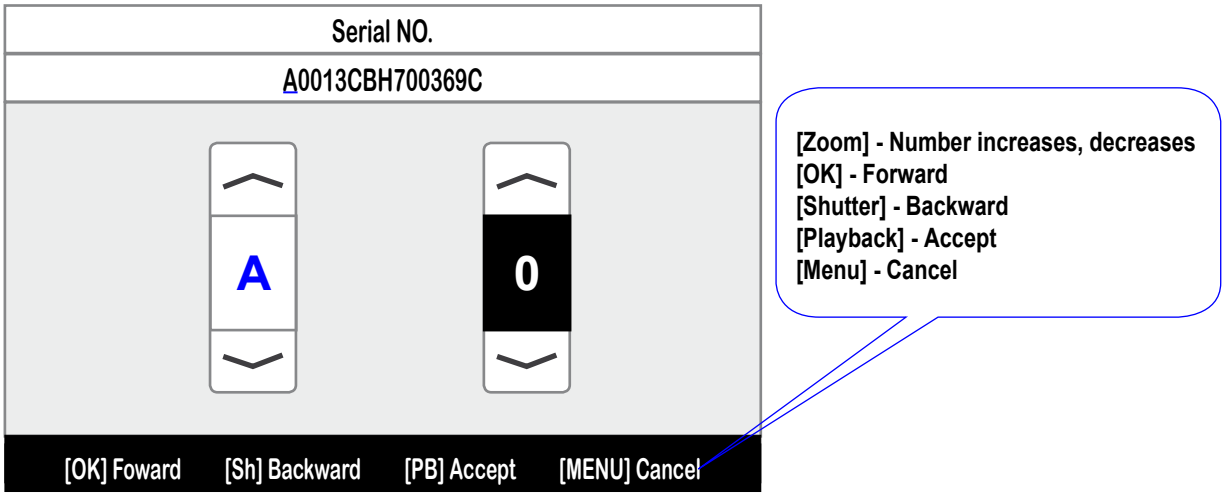

Fig. 8-12

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8-11 Input confirm

1. When checking the version (Press SHUTTER button and WIDE direction to turn on), Mac address, Serial number, Nation appears on the screen.

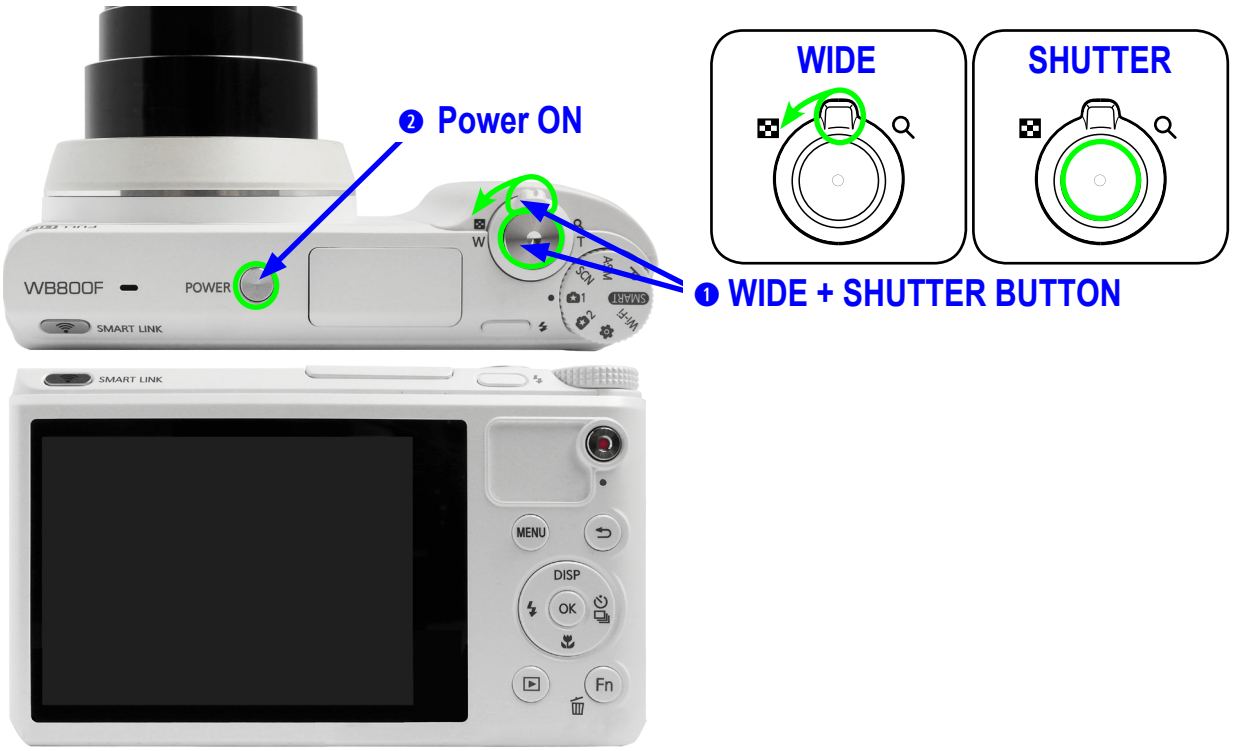

Fig. 8-13

2. Check the Mac address, Serial number, Nation.

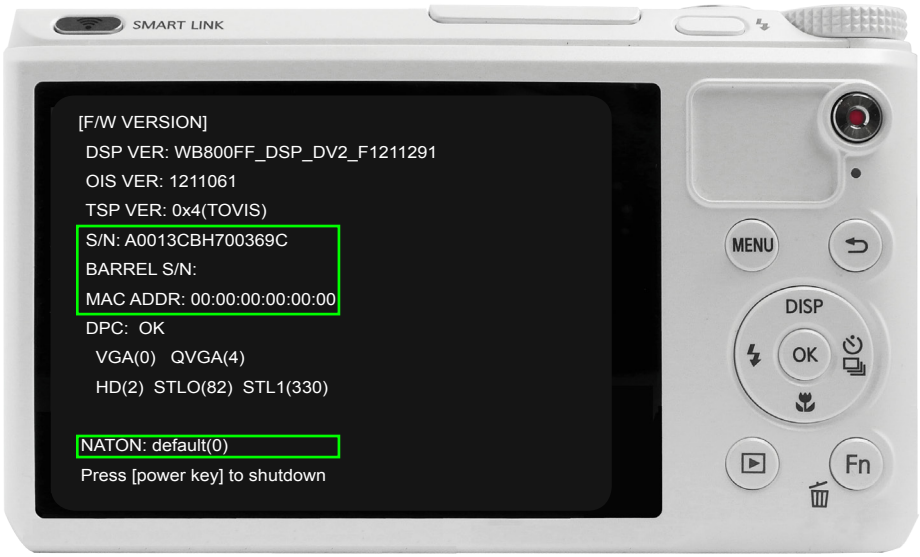

Fig. 8-14

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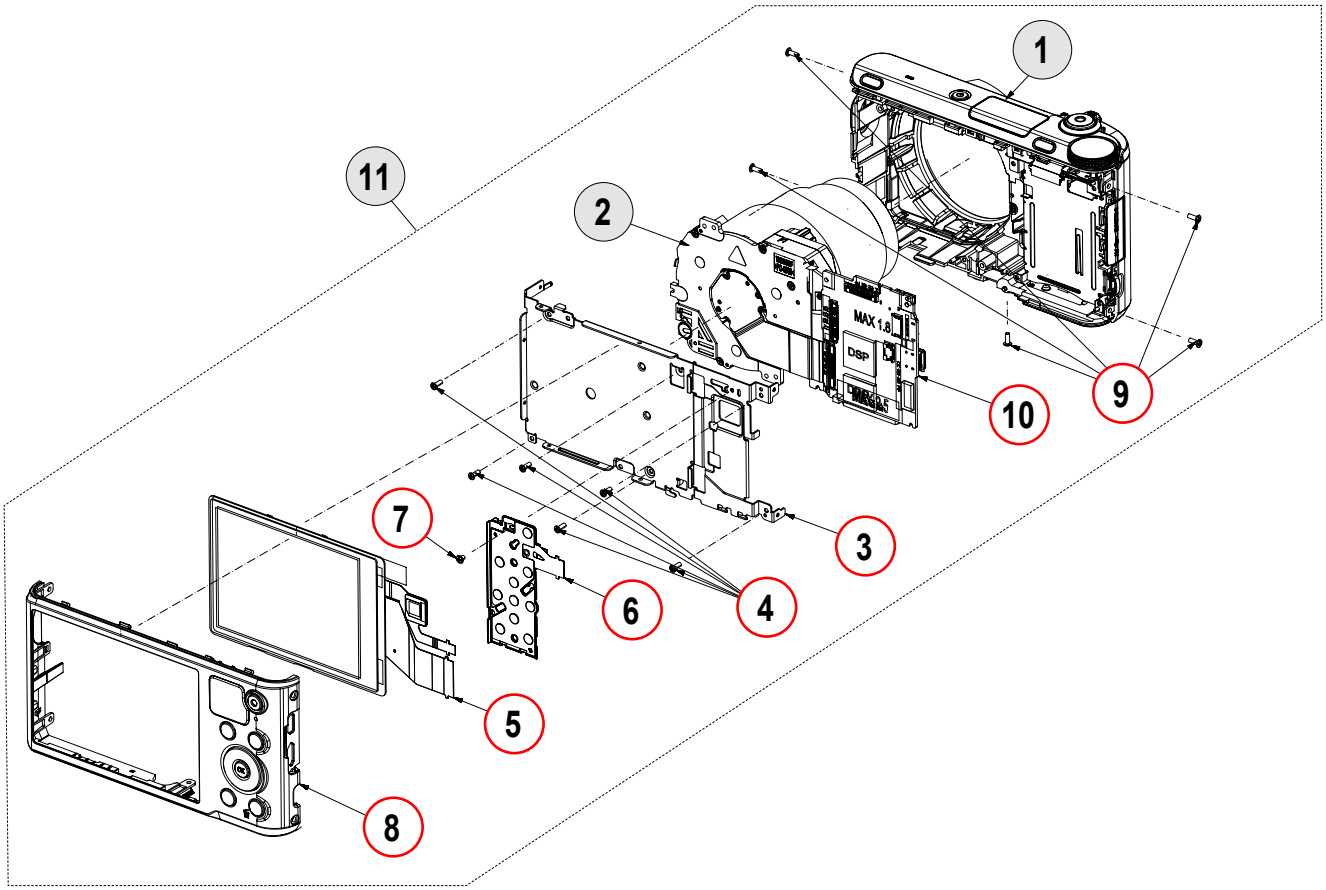
9. WB800F Exploded view and parts list

9-1 BODY ASSEMBLY



Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD97-23150A	ASSY MAIN_BK	1	X	BLACK
	AD97-23150B	ASSY MAIN_WT	1	X	WHITE
	AD97-23150C	ASSY MAIN_RD	1	X	RED
2	AD97-23324A	ASSY BARREL PCB MAIN	1	X	
3	AD61-05846A	FRAME MAIN	1	O	
4	6003-001814	SCREW TAPTITE (M1.4XL4(BLK))	6	O	
5	AD97-23145A	ASSY LCD TSP	1	O	
6	AD92-02003A	ASSY PCB KEY	1	O	
7	6001-002166	SCREW MACHINE (M1.4XL2(BLK))	1	O	
8	AD97-23120A	ASSY COVER BACK_BK	1	O	BLACK
	AD97-23120B	ASSY COVER BACK_WT	1	O	WHITE
	AD97-23120C	ASSY COVER BACK_RD	1	O	RED
9	6001-002152	SCREW MACHINE (M1.4XL4(NI))	5	O	BLACK/RED
	6001-002159	SCREW MACHINE (M1.4XL4(SL))	5	O	WHITE
10	AD92-01980A	ASSY PCB MAIN	1	O	
11	AD90-05150A	ASSY BODY-WB800F_BK	1	X	BLACK
	AD90-05150B	ASSY BODY-WB800F_WT	1	X	WHITE
	AD90-05150C	ASSY BODY-WB800F_RD	1	X	RED

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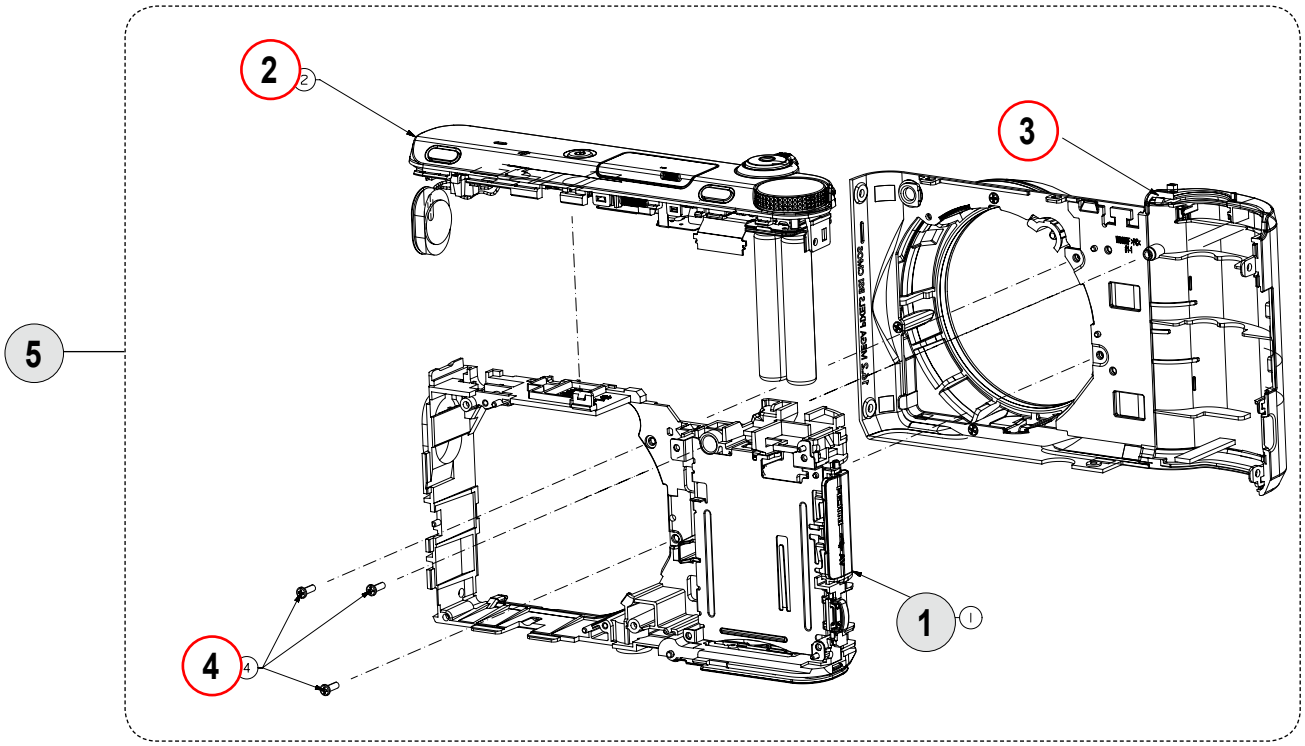
9-2 MAIN ASSEMBLY



Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD97-23118A	ASSY CHAMBER	1	X	BLACK
	AD97-23118B	ASSY CHAMBER	1	X	WHITE
	AD97-23118C	ASSY CHAMBER	1	X	RED
2	AD97-23117A	ASSY TOP COVER	1	O	BLACK
	AD97-23117B	ASSY TOP COVER	1	O	WHITE
	AD97-23117C	ASSY TOP COVER	1	O	RED
3	AD97-23121A	ASSY COVER FRONT	1	O	BLACK
	AD97-23121B	ASSY COVER FRONT	1	O	WHITE
	AD97-23121C	ASSY COVER FRONT	1	O	RED
4	6003-001717	SCREW TAPTITE(M1.4XL4.5(BLK))	3	O	
5	AD97-23150A	ASSY MAIN-WB800F	1	X	BLACK
	AD97-23150B	ASSY MAIN-WB800F	1	X	WHITE
	AD97-23150C	ASSY MAIN-WB800F	1	X	RED

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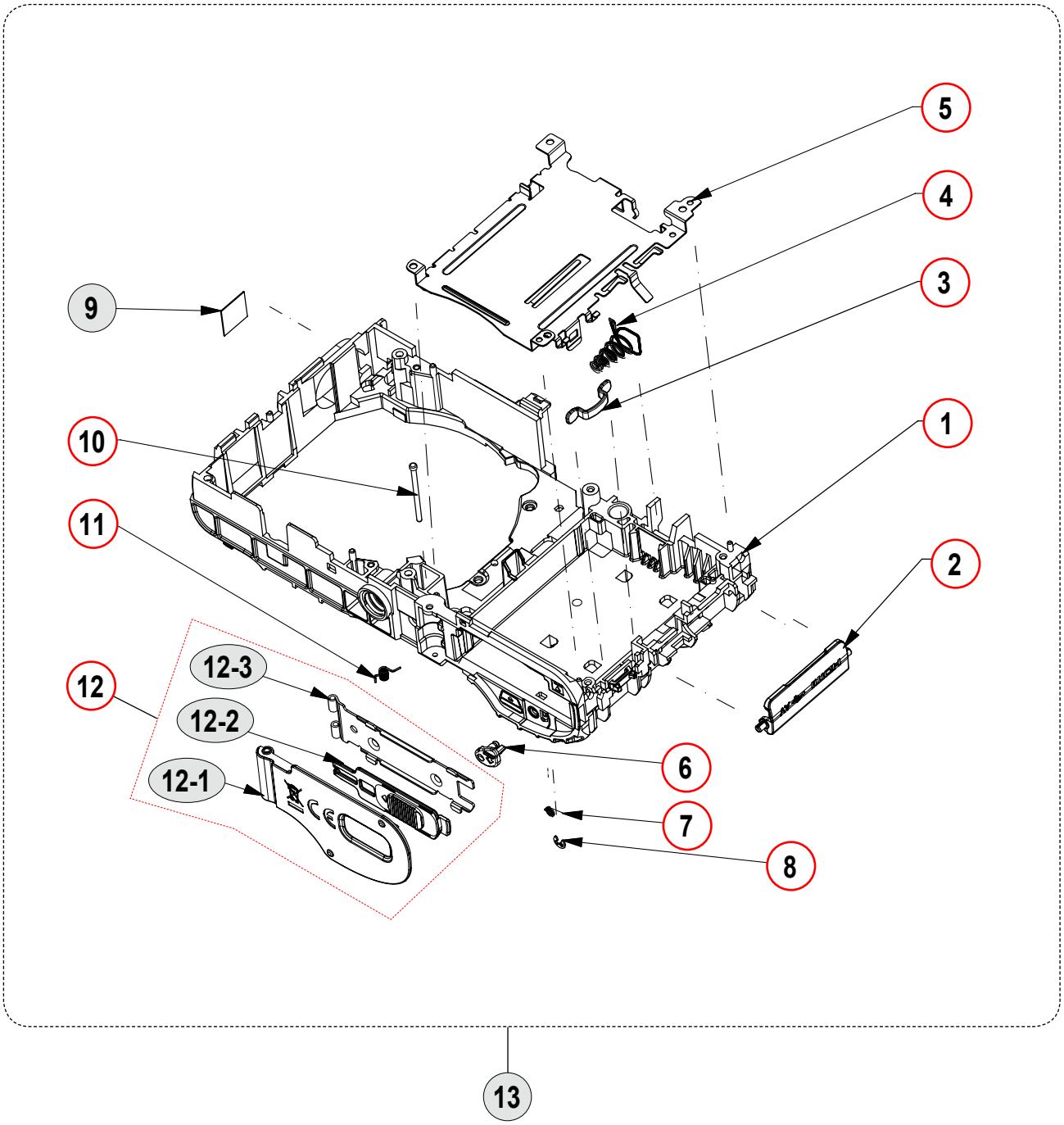
9-3 CHAMBER ASSEMBLY



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Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD62-00210A	CHAMBER BODY_BK	1	O	BLACK
	AD62-00210B	CHAMBER BODY_WT	1	O	WHITE
	AD62-00210C	CHAMBER BODY_RD	1	O	RED
2	AD63-07207A	COVER SOCKET_BK	1	O	BLACK
	AD63-07207B	COVER SOCKET_WT	1	O	WHITE
	AD63-07207C	COVER SOCKET_RD	1	O	RED
3	AD61-05834A	HOLDER STRAP	1	O	
4	AD61-05213A	SPRING ETC-BATTERY PUSH	1	O	
5	AD61-05847A	PLATE CHAMBER	1	O	
6	AD66-01012A	LEVER BATTERY LOCK	1	O	
7	6107-001538	SPRING-TS	1	O	
8	6044-001137	RING-E	1	O	
9	AD63-05921A	T/SHEET LCD	1	X	
10	AD61-05952A	HINGE COVER BATTERY	1	O	
11	AD61-05245A	SPRING ETCCOVER BATTERY	1	O	
12	AD97-23119A	ASSY COVER BATTERY_BK	1	O	BLACK
	AD97-23119B	ASSY COVER BATTERY_WT	1	O	WHITE
	AD97-23119C	ASSY COVER BATTERY_RD	1	O	RED
12-1	AD63-07206A	COVER BATTERY_BK	1	X	BLACK
	AD63-07206B	COVER BATTERY_WT	1	X	WHITE
	AD63-07206C	COVER BATTERY_RD	1	X	RED
12-2	AD63-06580A	COVER BATTERY LOC_BK	1	X	BLACK
	AD63-06580C	COVER BATTERY LOC_WT	1	X	WHITE
	AD63-06580E	COVER BATTERY LOC_RD	1	X	RED
12-3	AD61-05818A	PLAT COVER BATTERY	1	X	
13	AD97-23118A	ASSY CHAMBER-WB800F_BK	1	X	BLACK
	AD97-23118B	ASSY CHAMBER-WB800F_WT	1	X	WHITE
	AD97-23118C	ASSY CHAMBER-WB800F_RD	1	X	RED

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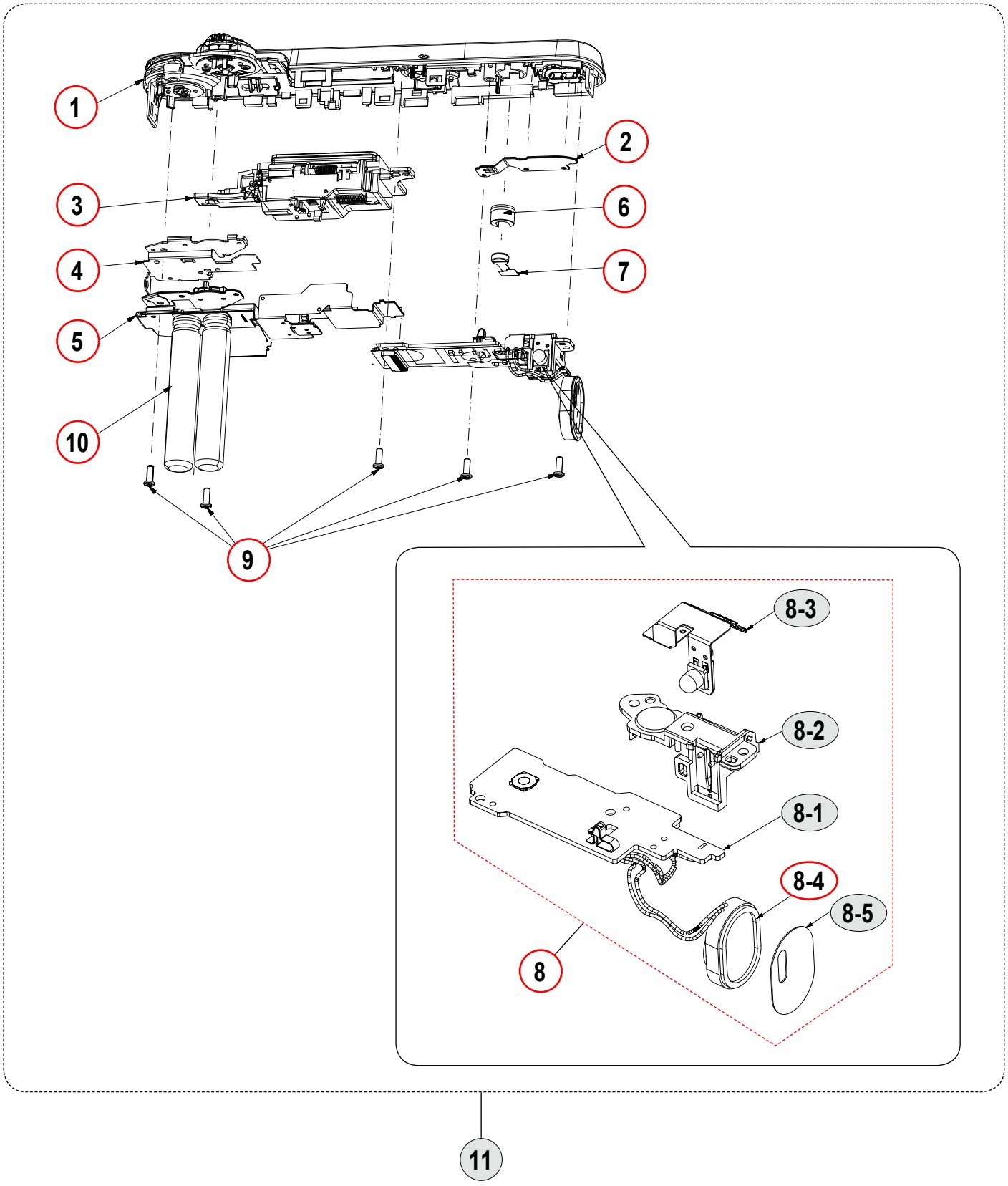
9-4 TOP COVER ASSEMBLY



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Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD97-23117A	ASSY TOP-SUB-WB800F_BK	1	O	BLACK
	AD97-23117B	ASSY TOP-SUB-WB800F_WT	1	O	WHITE
	AD97-23117C	ASSY TOP-SUB-WB800F_RD	1	O	RED
2	AD42-00025A	INTENNA-WIFI ANTENNA	1	O	
3	AD97-23161A	ASSY-POPUP-WB800F_BK	1	O	BLACK
	AD97-23161B	ASSY-POPUP-WB800F_WT	1	O	WHITE
	AD97-23161C	ASSY-POPUP-WB800F_RD	1	O	RED
4	AD61-05848A	PLATE-TOP-WB800F	1	O	
5	AD92-01982A	ASSY PCB TOP-WB800F	1	O	
6	AD67-02581B	RUBBER-MIC	1	O	After exhausting materials, use AD67-02581A.
7	3003-001198	MIC-CONDENSOR	1	O	
8	AD97-23390A	ASSY-WIFI_LED-WB800F	1	O	
8-1	AD92-01985A	ASSY PCB SUB	1	X	
8-2	AD61-05844A	HOLDER MIC	1	X	
8-3	AD92-01984A	ASSY PCB FPC	1	X	
8-4	3001-002703	SPEAKER	1	O	
8-5	AD63-07328A	SHEET SPEAKER	1	X	
9	6003-001814	SCREW-TAPTYPE(M1.4XL4(BLK))	5	O	
10	2401-004421	C-AL;34uF,0.05,320V,BK	2	O	
11	AD97-23116A	ASSY COVER TOP_BK	1	X	BLACK
	AD97-23116B	ASSY COVER TOP_WT	1	X	WHITE
	AD97-23116C	ASSY COVER TOP_RD	1	X	RED

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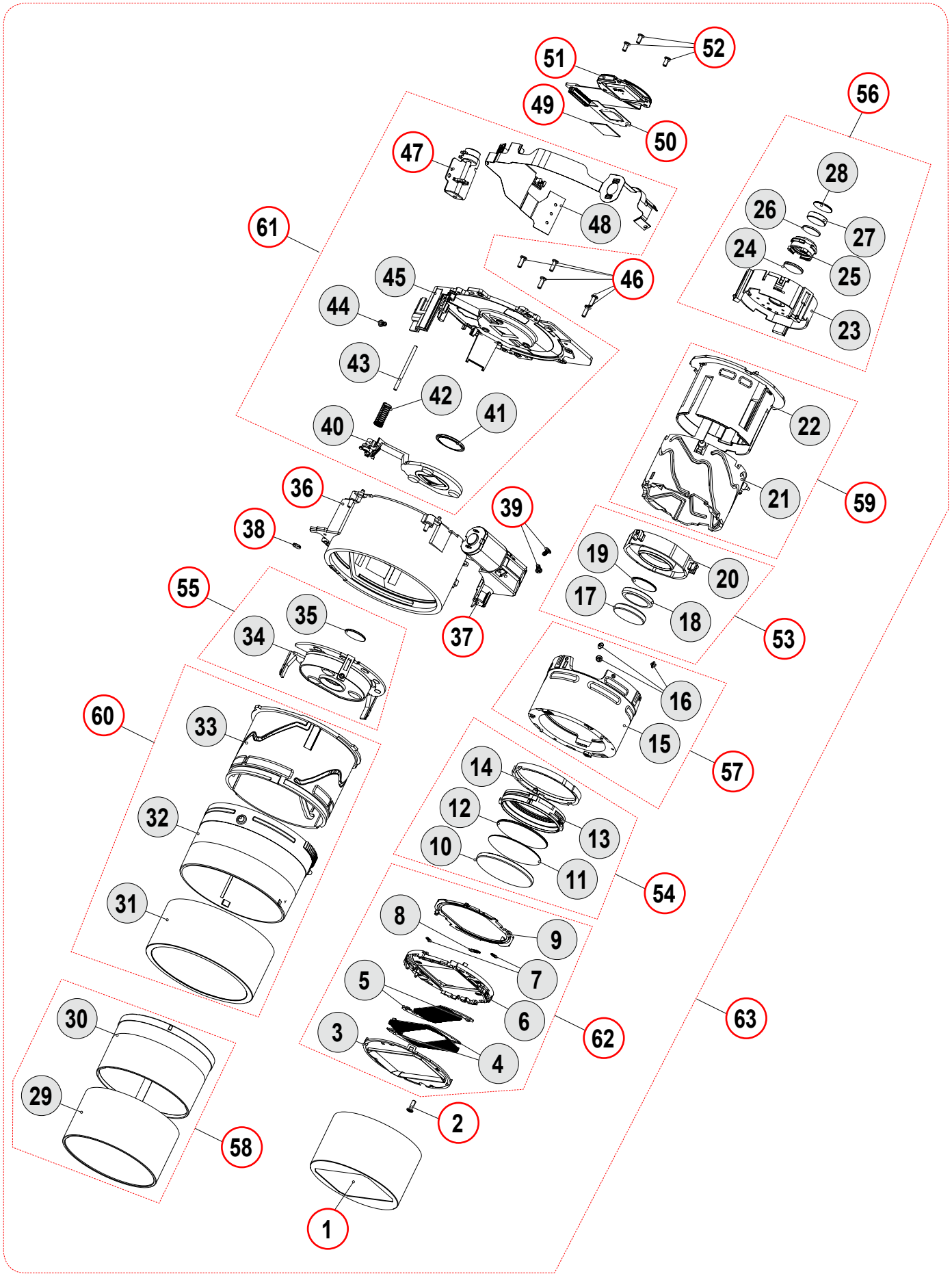
9-5 BARREL ASSEMBLY



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Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD64-03902A	DECORING ZOOMRING	1	O	
2	6003-001659	SCREW TAPTYPE(M1.4XL4(BLK))	1	O	
3	AD63-06546A	BARRIER PANEL	1	X	
4	AD63-07366A	BARRIER BLAD A	2	X	
5	AD63-07367A	BARRIER BLAD B	2	X	
6	AD63-06544A	BARRIER BASE	1	X	
7	6107-003266	SPRING ES (CLOSE)	2	X	
8	6107-003265	SPRING ES (OPEN)	1	X	
9	AD63-06545A	BARRIER LEVER	1	X	
10	AD67-02346A	LENS G1	1	X	
11	AD67-02347A	LENS G2	1	X	
12	AD67-02348A	LENS G3	1	X	
13	AD67-02394A	BARREL 1ST	1	X	
14	AD67-02395A	BARREL SLIPRING	1	X	
15	AD67-02393A	BARREL ZOOMRING	1	X	
16	AD66-00990A	SHAFT ZOOMRINNG PIN	6	X	
17	AD67-02349A	LENS G4	1	X	
18	AD67-02350A	LENS G5	1	X	
19	AD67-02351A	LENS G6	1	X	
20	AD67-02396A	BARREL 2ND	1	X	
21	AD67-02390A	BARREL INNER CAM	1	X	
22	AD67-02392A	BARREL GUIDE	1	X	
23	AD97-23283A	ASSY SHUTTER OIS	1	X	
24	AD67-02352A	LENS G7	1	X	
25	AD67-02397A	BARREL 3RD	1	X	
26	AD67-02353A	LENS G8	1	X	
27	AD67-02354A	LENS G9	1	X	
28	AD67-02355A	LENS G10	1	X	
29	AD64-03903A	DECORING CAM	1	X	
30	AD67-02391A	BARREL CAM	1	X	
31	AD64-03904A	DECORING OUTER CAM	1	X	
32	AD67-02388A	BARREL OUTER CAM	1	X	
33	AD67-02389A	BARREL OUTER GUIDE	1	X	
34	AD67-02398A	BARREL 4TH	1	X	
35	AD67-02356A	LENS G11	1	X	
36	AD97-21783A	BARREL BASE	1	O	
37	AD97-21685A	ASSY MOTOR ZOOM	1	O	
38	AD67-02627A	BARREL-DECENTER RING	2	O	
39	6003-001629	SCREW TAPTYPE (M1.4XL2.5(BLK))	2	O	
40	AD67-02399A	BARREL 5TH	1	X	
41	AD67-02357A	LENS G12	1	X	
42	6107-003264	SPRING CS (AF)	1	X	
43	AD66-00991A	SHAFT AF GUIDE	1	X	

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Loc. No	Parts No.	Description	Q ty	Available	Remark
44	6003-001629	SCREW TAPTYPE (M1.4XL2.5(BLK))	2	X	
45	AD61-05788A	BASE LENS	1	X	
46	6003-001659	SCREW TAPTYPE(M1.4XL4(BLK))	5	O	
47	AD97-21684A	ASSY MOTOR AF	1	O	
48	AD41-01933A	FPC BARREL MAIN	1	X	
49	AD63-06992A	IR CUT FILTER	1	O	
50	AD63-07323A	SHEET FILTER	1	O	
51	AD92-01981A	ASSY PCB FPCB-CIS	1	O	
52	6003-001629	SCREW TAPTYPE	3	O	
53	AD97-21760A	ASSY SUB BARREL - 2ND LENS	1	O	
54	AD97-21764A	ASSY SUB BARREL - SLIPRING	1	O	
55	AD97-21762A	ASSY SUB BARREL - 4TH LENS	1	O	
56	AD97-23721A	ASSY SUB BARREL - OIS	1	O	
57	AD97-21766A	ASSY SUB BARREL - ZOOMRING	1	O	
58	AD97-23227A	ASSY SUB BARREL - CAM_BK	1	O	
59	AD97-21768A	ASSY SUB BARREL - INNER CAM	1	O	
60	AD97-23228A	ASSY SUB BARREL - OUTER CAM_BK	1	O	
61	AD97-23226A	ASSY LENS BASE	1	O	
62	AD97-23225A	ASSY BARRIER_BK	1	O	
63	AD97-23222A	ASSY BARREL-BK	1	O	

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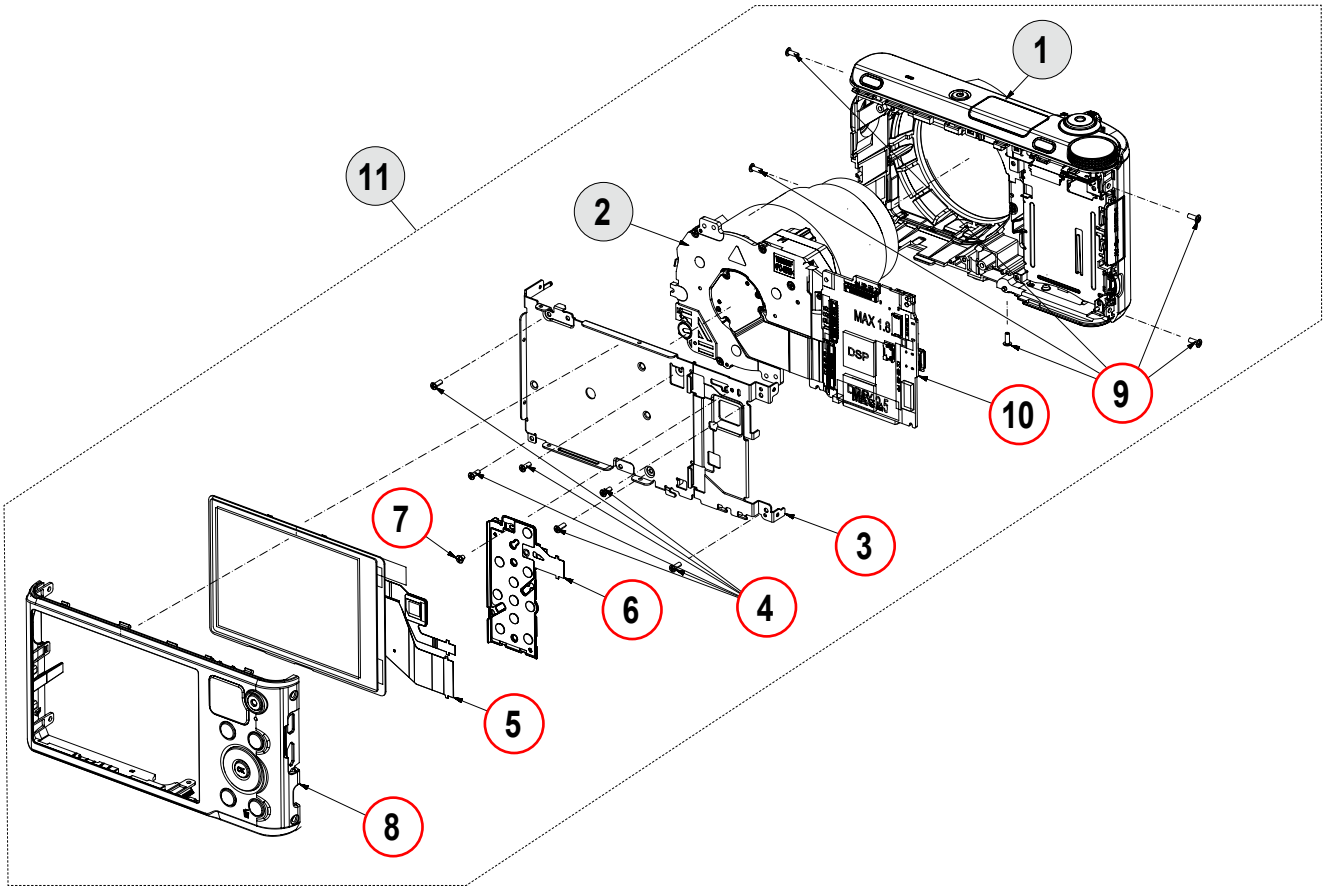
10. WB800F VE Exploded view and parts list

10-1 BODY ASSEMBLY



Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD97-23150A	ASSY MAIN_BK	1	X	BLACK
	AD97-23150B	ASSY MAIN_WT	1	X	WHITE
	AD97-23150C	ASSY MAIN_RD	1	X	RED
2	AD97-23793A	ASSY BARREL PCB MAIN-WB800F_VE	1	X	
3	AD61-05846A	FRAME MAIN	1	O	
4	6003-001814	SCREW TAPTITE (M1.4XL4(BLK))	6	O	
5	AD97-23145A	ASSY LCD TSP	1	O	
6	AD92-02003A	ASSY PCB KEY	1	O	
7	6001-002166	SCREW MACHINE (M1.4XL2(BLK))	1	O	
8	AD97-23120A	ASSY COVER BACK_BK	1	O	BLACK
	AD97-23120B	ASSY COVER BACK_WT	1	O	WHITE
	AD97-23120C	ASSY COVER BACK_RD	1	O	RED
9	6001-002152	SCREW MACHINE (M1.4XL4(NI))	5	O	BLACK/RED
	6001-002159	SCREW MACHINE (M1.4XL4(SL))	5	O	WHITE
10	AD92-02118A	ASSY PCB MAIN-WB800F_VE	1	O	

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Loc. No	Parts No.	Description	Q ty	Available	Remark
11	AD90-05150A	ASSY BODY-WB800F_BK	1	X	BLACK
	AD90-05150B	ASSY BODY-WB800F_WT	1	X	WHITE
	AD90-05150C	ASSY BODY-WB800F_RD	1	X	RED
	AD90-05621A	ASSY BODY-WB800F_CAN_BK	1	X	BLACK
	AD90-05621B	ASSY BODY-WB800F_CAN_WT	1	X	WHITE
	AD90-05621C	ASSY BODY-WB800F_CAN_RD	1	X	RED
	AD90-05622A	ASSY BODY-WB800F_FRA_BK	1	X	BLACK
	AD90-05622B	ASSY BODY-WB800F_FRA_WT	1	X	WHITE
	AD90-05622C	ASSY BODY-WB800F_FRA_RD	1	X	RED
	AD90-05623A	ASSY BODY-WB800F_SPN_BK	1	X	BLACK
	AD90-05623B	ASSY BODY-WB800F_SPN_WT	1	X	WHITE
	AD90-05623C	ASSY BODY-WB800F_SPN_RD	1	X	RED
	AD90-05624A	ASSY BODY-WB800F_POR_BK	1	X	BLACK
	AD90-05624B	ASSY BODY-WB800F_POR_WT	1	X	WHITE
	AD90-05624C	ASSY BODY-WB800F_POR_RD	1	X	RED

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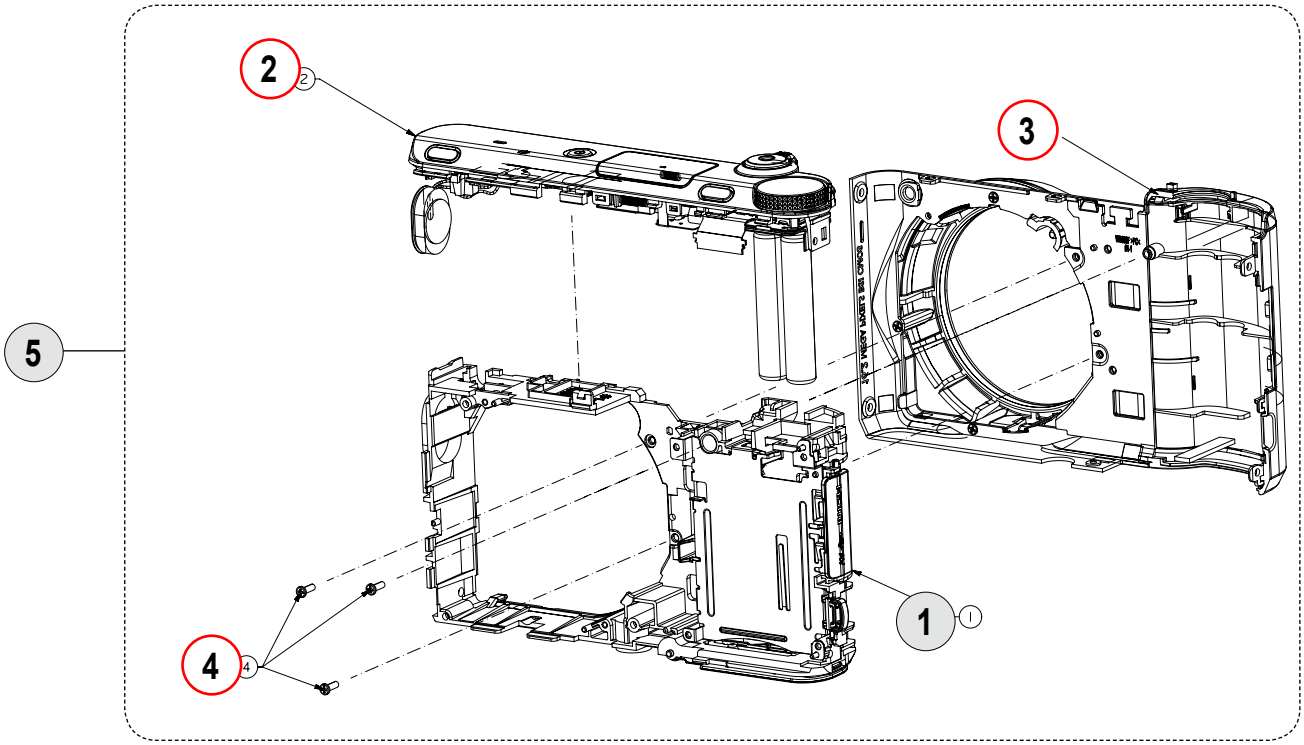
10-2 MAIN ASSEMBLY



Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD97-23118A	ASSY CHAMBER	1	X	BLACK
	AD97-23118B	ASSY CHAMBER	1	X	WHITE
	AD97-23118C	ASSY CHAMBER	1	X	RED
2	AD97-23117A	ASSY TOP COVER	1	O	BLACK
	AD97-23117B	ASSY TOP COVER	1	O	WHITE
	AD97-23117C	ASSY TOP COVER	1	O	RED
3	AD97-23121A	ASSY COVER FRONT	1	O	BLACK
	AD97-23121B	ASSY COVER FRONT	1	O	WHITE
	AD97-23121C	ASSY COVER FRONT	1	O	RED
4	6003-001717	SCREW TAPTITE(M1.4XL4.5(BLK))	3	O	
5	AD97-23150A	ASSY MAIN-WB800F	1	X	BLACK
	AD97-23150B	ASSY MAIN-WB800F	1	X	WHITE
	AD97-23150C	ASSY MAIN-WB800F	1	X	RED

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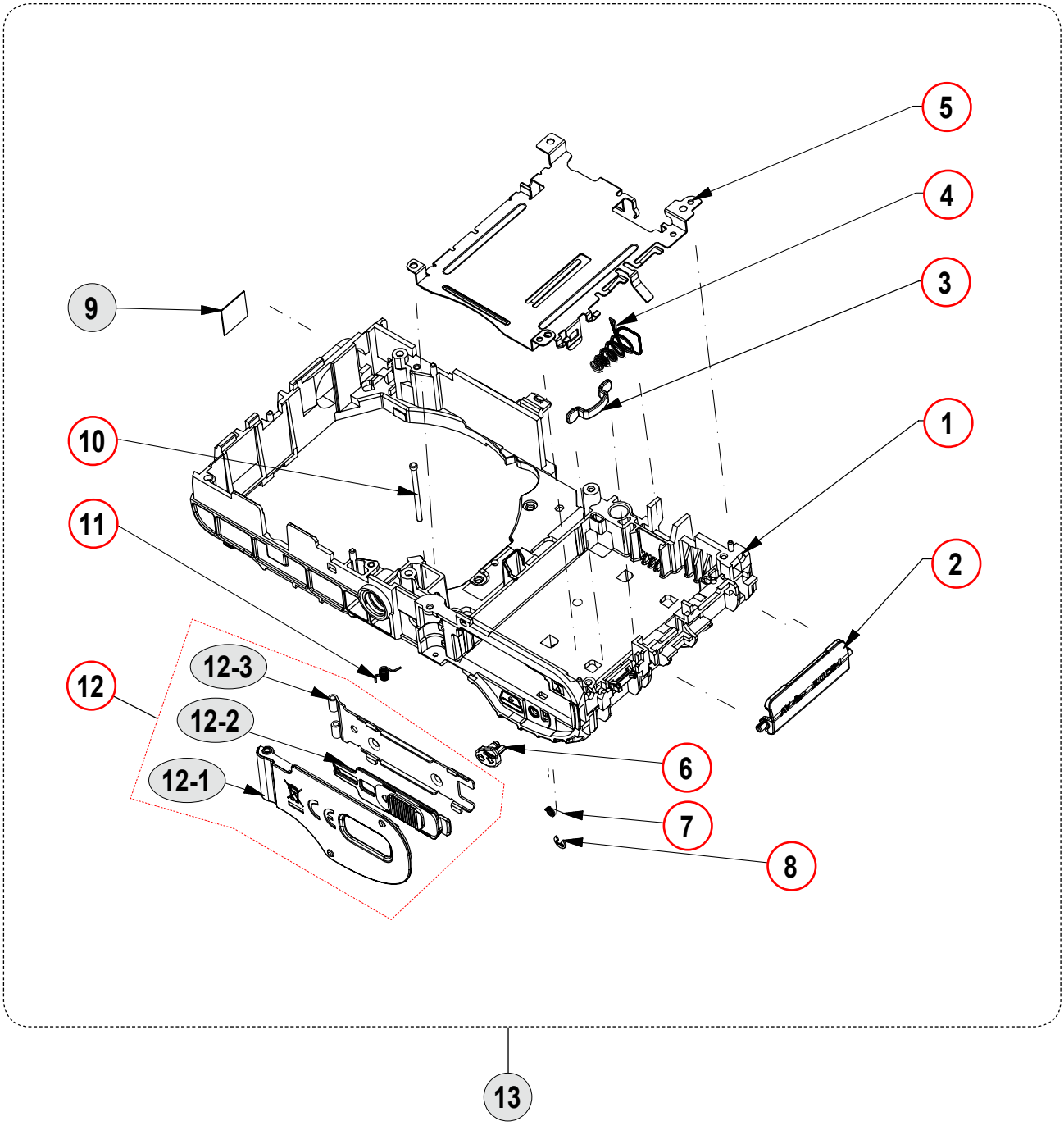
10-3 CHAMBER ASSEMBLY



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Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD62-00210A	CHAMBER BODY_BK	1	O	BLACK
	AD62-00210B	CHAMBER BODY_WT	1	O	WHITE
	AD62-00210C	CHAMBER BODY_RD	1	O	RED
2	AD63-07207A	COVER SOCKET_BK	1	O	BLACK
	AD63-07207B	COVER SOCKET_WT	1	O	WHITE
	AD63-07207C	COVER SOCKET_RD	1	O	RED
3	AD61-05834A	HOLDER STRAP	1	O	
4	AD61-05213A	SPRING ETC-BATTERY PUSH	1	O	
5	AD61-05847A	PLATE CHAMBER	1	O	
6	AD66-01012A	LEVER BATTERY LOCK	1	O	
7	6107-001538	SPRING-TS	1	O	
8	6044-001137	RING-E	1	O	
9	AD63-05921A	T/SHEET LCD	1	X	
10	AD61-05952A	HINGE COVER BATTERY	1	O	
11	AD61-05245A	SPRING ETCCOVER BATTERY	1	O	
12	AD97-23119A	ASSY COVER BATTERY_BK	1	O	BLACK
	AD97-23119B	ASSY COVER BATTERY_WT	1	O	WHITE
	AD97-23119C	ASSY COVER BATTERY_RD	1	O	RED
12-1	AD63-07206A	COVER BATTERY_BK	1	X	BLACK
	AD63-07206B	COVER BATTERY_WT	1	X	WHITE
	AD63-07206C	COVER BATTERY_RD	1	X	RED
12-2	AD63-06580A	COVER BATTERY LOC_BK	1	X	BLACK
	AD63-06580C	COVER BATTERY LOC_WT	1	X	WHITE
	AD63-06580E	COVER BATTERY LOC_RD	1	X	RED
12-3	AD61-05818A	PLAT COVER BATTERY	1	X	
13	AD97-23118A	ASSY CHAMBER-WB800F_BK	1	X	BLACK
	AD97-23118B	ASSY CHAMBER-WB800F_WT	1	X	WHITE
	AD97-23118C	ASSY CHAMBER-WB800F_RD	1	X	RED

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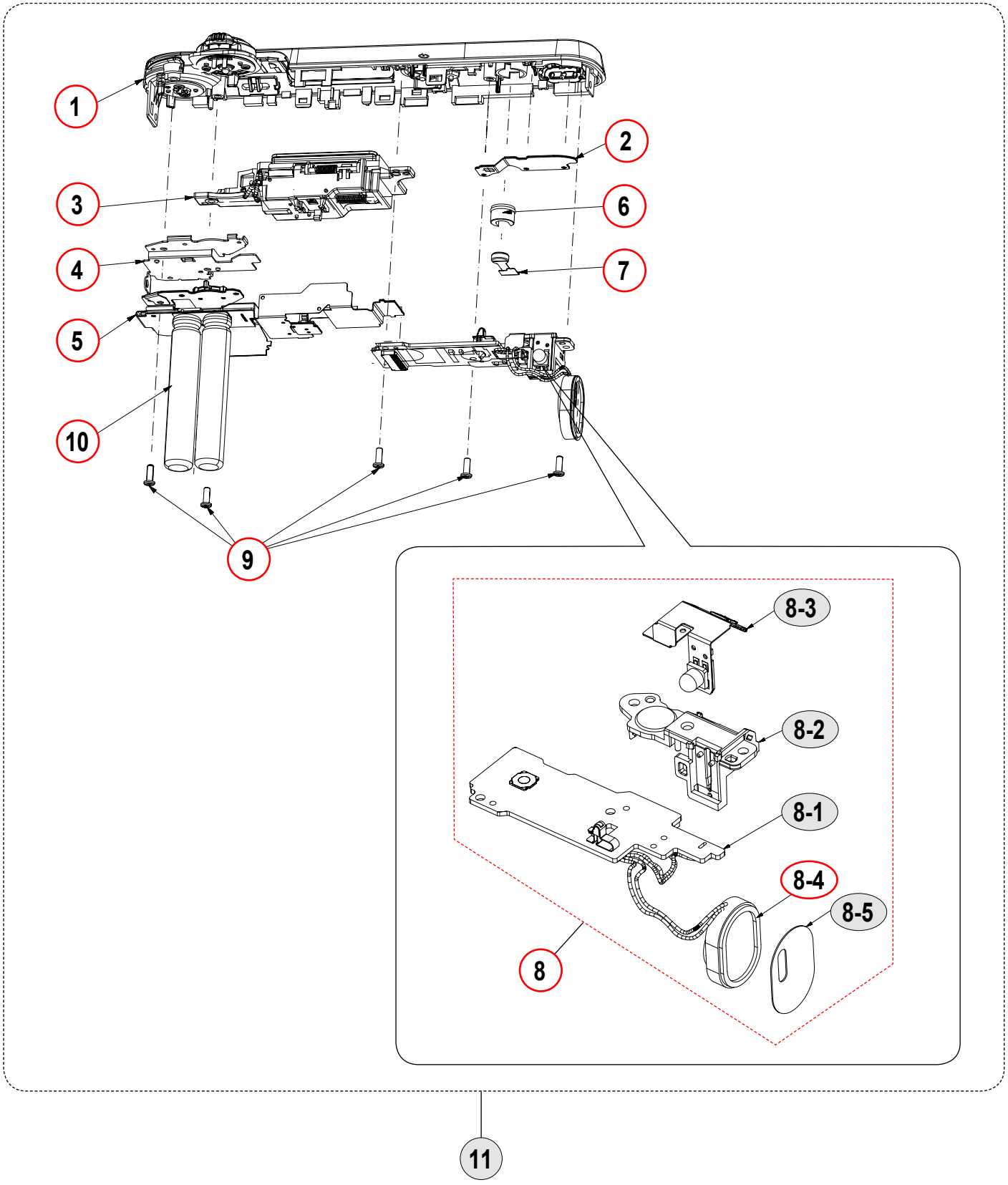
10-4 TOP COVER ASSEMBLY



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Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD97-23117A	ASSY TOP-SUB-WB800F_BK	1	O	BLACK
	AD97-23117B	ASSY TOP-SUB-WB800F_WT	1	O	WHITE
	AD97-23117C	ASSY TOP-SUB-WB800F_RD	1	O	RED
2	AD42-00025A	INTENNA-WIFI ANTENNA	1	O	
3	AD97-23161A	ASSY-POPUP-WB800F_BK	1	O	BLACK
	AD97-23161B	ASSY-POPUP-WB800F_WT	1	O	WHITE
	AD97-23161C	ASSY-POPUP-WB800F_RD	1	O	RED
4	AD61-05848A	PLATE-TOP-WB800F	1	O	
5	AD92-01982A	ASSY PCB TOP-WB800F	1	O	
6	AD67-02581B	RUBBER-MIC	1	O	After exhausting materials, use AD67-02581A.
7	3003-001198	MIC-CONDENSOR	1	O	
8	AD97-23390A	ASSY-WIFI_LED-WB800F	1	O	
8-1	AD92-01985A	ASSY PCB SUB	1	X	
8-2	AD61-05844A	HOLDER MIC	1	X	
8-3	AD92-01984A	ASSY PCB FPC	1	X	
8-4	3001-002703	SPEAKER	1	O	
8-5	AD63-07328A	SHEET SPEAKER	1	X	
9	6003-001814	SCREW-TAPTYPE(M1.4XL4(BLK))	5	O	
10	2401-004421	C-AL;34uF,0.05,320V,BK	2	O	
11	AD97-23116A	ASSY COVER TOP_BK	1	X	BLACK
	AD97-23116B	ASSY COVER TOP_WT	1	X	WHITE
	AD97-23116C	ASSY COVER TOP_RD	1	X	RED

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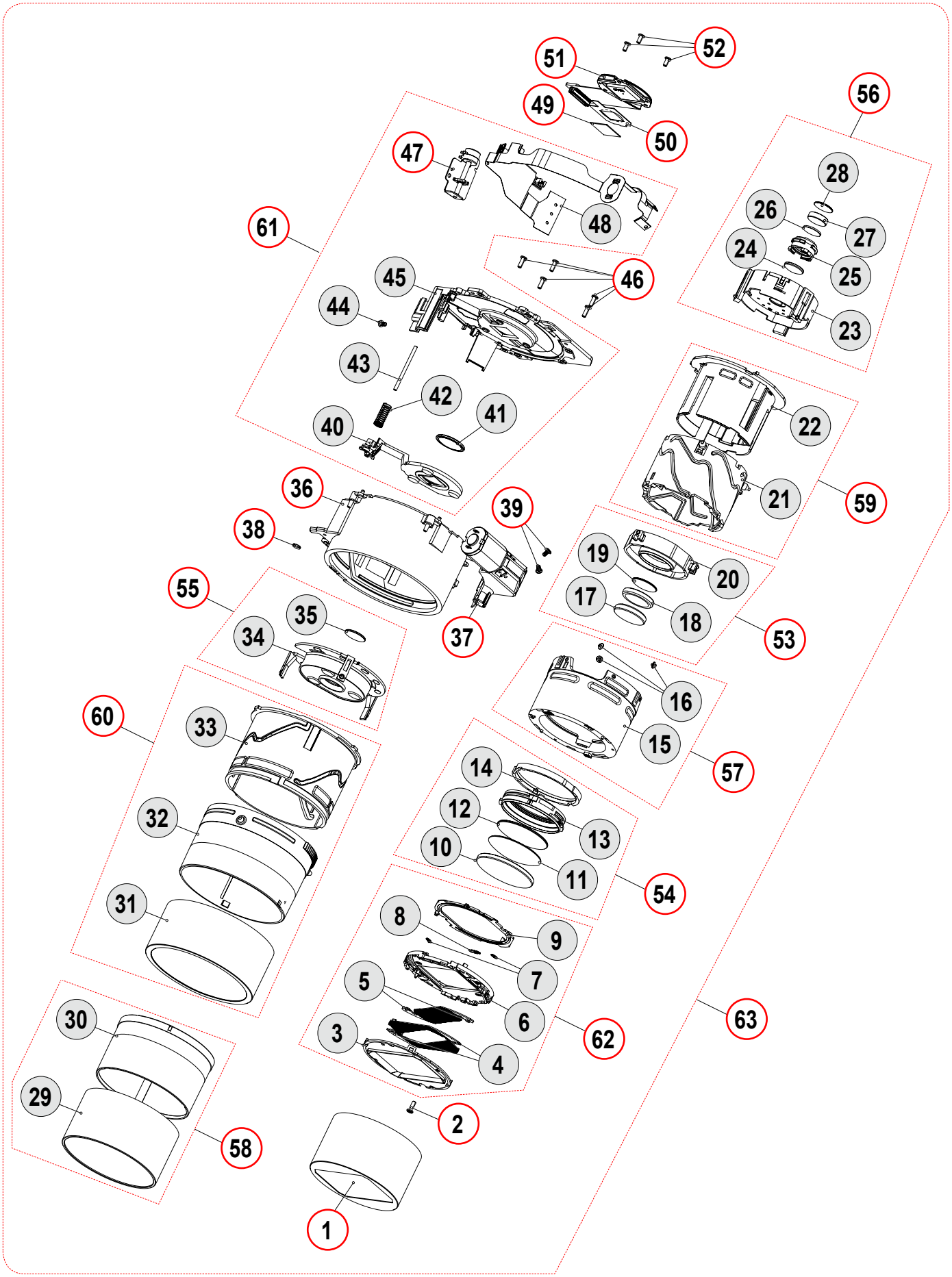
10-5 BARREL ASSEMBLY



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Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD64-03902A	DECORING ZOOMRING	1	O	
2	6003-001659	SCREW TAPTYPE(M1.4XL4(BLK))	1	O	
3	AD63-06546A	BARRIER PANEL	1	X	
4	AD63-07366A	BARRIER BLAD A	2	X	
5	AD63-07367A	BARRIER BLAD B	2	X	
6	AD63-06544A	BARRIER BASE	1	X	
7	6107-003266	SPRING ES (CLOSE)	2	X	
8	6107-003265	SPRING ES (OPEN)	1	X	
9	AD63-06545A	BARRIER LEVER	1	X	
10	AD67-02346A	LENS G1	1	X	
11	AD67-02347A	LENS G2	1	X	
12	AD67-02348A	LENS G3	1	X	
13	AD67-02394A	BARREL 1ST	1	X	
14	AD67-02395A	BARREL SLIPRING	1	X	
15	AD67-02393A	BARREL ZOOMRING	1	X	
16	AD66-00990A	SHAFT ZOOMRINNG PIN	6	X	
17	AD67-02349A	LENS G4	1	X	
18	AD67-02350A	LENS G5	1	X	
19	AD67-02351A	LENS G6	1	X	
20	AD67-02396A	BARREL 2ND	1	X	
21	AD67-02390A	BARREL INNER CAM	1	X	
22	AD67-02392A	BARREL GUIDE	1	X	
23	AD97-23283A	ASSY SHUTTER OIS	1	X	
24	AD67-02352A	LENS G7	1	X	
25	AD67-02397A	BARREL 3RD	1	X	
26	AD67-02353A	LENS G8	1	X	
27	AD67-02354A	LENS G9	1	X	
28	AD67-02355A	LENS G10	1	X	
29	AD64-03903A	DECORING CAM	1	X	
30	AD67-02391A	BARREL CAM	1	X	
31	AD64-03904A	DECORING OUTER CAM	1	X	
32	AD67-02388A	BARREL OUTER CAM	1	X	
33	AD67-02389A	BARREL OUTER GUIDE	1	X	
34	AD67-02398A	BARREL 4TH	1	X	
35	AD67-02356A	LENS G11	1	X	
36	AD97-21783A	BARREL BASE	1	O	
37	AD97-21685A	ASSY MOTOR ZOOM	1	O	
38	AD67-02627A	BARREL-DECENTER RING	2	O	
39	6003-001629	SCREW TAPTYPE (M1.4XL2.5(BLK))	2	O	
40	AD67-02399A	BARREL 5TH	1	X	
41	AD67-02357A	LENS G12	1	X	
42	6107-003264	SPRING CS (AF)	1	X	
43	AD66-00991A	SHAFT AF GUIDE	1	X	

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Loc. No	Parts No.	Description	Q ty	Available	Remark
44	6003-001629	SCREW TAPTYPE (M1.4XL2.5(BLK))	2	X	
45	AD61-06060A	BASE LENS-VE	1	X	
46	6003-001659	SCREW TAPTYPE(M1.4XL4(BLK))	5	O	
47	AD97-21684A	ASSY MOTOR AF	1	O	
48	AD41-01933A	FPC BARREL MAIN	1	X	
49	AD63-06992A	IR CUT FILTER	1	O	
50	AD63-07323A	SHEET FILTER	1	O	
51	AD92-02119A	ASSY PCB CIS-WB800F_VE	1	O	
52	6003-001629	SCREW TAPTYPE	3	O	
53	AD97-21760A	ASSY SUB BARREL - 2ND LENS	1	O	
54	AD97-21764A	ASSY SUB BARREL - SLIPRING	1	O	
55	AD97-21762A	ASSY SUB BARREL - 4TH LENS	1	O	
56	AD97-23721A	ASSY SUB BARREL - OIS	1	O	
57	AD97-21766A	ASSY SUB BARREL - ZOOMRING	1	O	
58	AD97-23227A	ASSY SUB BARREL - CAM_BK	1	O	
59	AD97-21768A	ASSY SUB BARREL - INNER CAM	1	O	
60	AD97-23228A	ASSY SUB BARREL - OUTER CAM_BK	1	O	
61	AD97-23743A	ASSY LENS BASE-VE	1	O	
62	AD97-23225A	ASSY BARRIER_BK	1	O	
63	AD97-23742A	ASSY BARREL-VE	1	O	

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