

**SAMSUNG**

# DIGITAL CAMERA

**SAMSUNG NX mini**

# SERVICE Manual

## DIGITAL CAMERA



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# 1. Repair information

## 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.

## 1-1 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.

### (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	

**\* The Accessories Warranty period is slightly different from each country, we will follow the policy of each country.**

### (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>

Types of consumer damages			Compensation	
			Within the warranty period	After the warranty period
Failing to perform or failing to function properly under normal use	Required for essential repair within 10 days after the purchase		Replace the product or refund	-
	Required for essential repair within one month after the purchase		Replace the product or repair at free of charge	
	Applicable to repair	Problem occurred twice due to same malfunction	Free of charge	Repair charges
		Problem occurred four times due to some other malfunction		
		Problem occurred three times due to same malfunction	Replace the product or refund	Repair charges
		Problem occurred five times due to some other malfunction		
	Not applicable to repair	Within the period with respect to retaining components		Replace the product at the cost of the depreciated value or refund its price added 5% of depreciation
Failing to perform or failing to function properly as a result of willful intent and negligence of customer	Applicable repair		Repair charges	Repair charges
	Not applicable to repair (Except for defects or malfunction as a result of fire or flood or other natural disasters)		Replacement charge	Repair charge and replace the product at the cost of the depreciated value

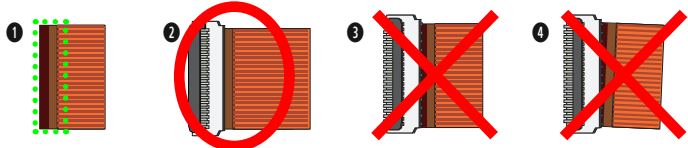
**\* The Warranty period is slightly different from each country, we will follow the policy of each country.**

## 1-2 Precaution for disassembly and reassembly

### CAUTION

1. Use the anti-static handling 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	<p>- 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.</p> <p>- If you look closely at the insertion part on FPCB, color is divided into dark brown and light brown. You must be inserted into inside on connector the all part on dark brown on FPCB. So it's the only light brown on FPCB out of connector should be visible to eye. When the assembly is finished, the connector is must be assembled as ② on shown below.</p> 
CCD (CMOS) IR CUT Filter LCD, LENS	<p>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.</p>
PCB	<p>Use an anti-static mat as well as an anti-static wrist strap to avoid ESD damage to PCB.</p>
CONNECTOR	<p>The use wooden or plastic tweezers is recommended for manual placement. Metal tip tweezer might make marks or damage.</p>
BARREL	<p>Always follow proper direction while assembling the components of the barrel.</p>

## 2. Product specifications

### 2-1 Specifications

<Table. 2-1 Specifications>

<b>Image Sensor</b>	
Sensor size/Type	13.2 X 8.8 mm/BSI CMOS
Effective/Total pixels	Approx. 20.5 mega-pixels/Approx. 20.9 mega-pixels
Color filter	RGB primary color filter
<b>Lens Mount</b>	
Type/Available lens	Samsung NX-M Mount/Samsung NX-M Mount
<b>Image Stabilization</b>	
Type/Mode	Lens shift (depends on lens), Off/Mode 1/Mode 2
<b>Distortion Correct</b>	
Off/On (depends on lens)	
<b>i-Function</b>	
Supported (depends on lens)	
<b>Display</b>	
Type	TFT LCD with Touch Panel (C-type Touch Control Enabled)
Resolution/Size	HVGA (320X480) 460.8 k dots, 2.96" (Approx. 75.2 mm)
<b>Focusing</b>	
Type	Contrast AF
Focusing point	<ul style="list-style-type: none"> <li>• Selection: 1 point (Free selection)</li> <li>• Multi: Normal 21 points, Close up 35 points</li> <li>• Face detection: Max. 10 faces</li> <li>• Object tracking AF</li> </ul>
<b>Shutter</b>	
Type	Electronic shutter
Speed	<ul style="list-style-type: none"> <li>• Auto: 1/16,000–30 sec.</li> <li>• Manual: 1/16,000–30 sec. (1/3 EV Step)</li> <li>• Bulb (time limit: 4 min.)</li> </ul>
<b>Exposure</b>	
Metering system	TTL 221 (17X13) Block segment
	Metering: Multi, Center-weighted, Spot/Metering range: EV 0–18 (ISO160 · 9 mm, F3.5)
ISO	Auto, 160, 200, 400, 800, 1600, 3200, 6400, 12800(1 or 1/3 EV Step) * Auto ISO settings are selectable up to ISO 3200. You can select ISO 100 and 25600.
<b>Drive Mode</b>	
Mode	Single, Continuous, Burst (5M only), Timer, Bracket (Auto Exposure, White Balance, Picture Wizard, Depth)
Continuous shooting	<ul style="list-style-type: none"> <li>• JPEG: 6 fps</li> <li>• Burst: 10 (5M), 15, or 30 frames per second</li> <li>• RAW: 6 fps</li> </ul>
Bracket shooting/Self-timer	<ul style="list-style-type: none"> <li>• Bracket shooting: Auto exposure bracketing (±3 EV), White Balance bracketing, Picture Wizard bracketing, Depth bracketing</li> <li>• Self-timer: 2–30 sec. (1 second interval)</li> </ul>
Shutter release	via Micro USB port (optional)

&lt;Table. 2-1 Specifications&gt;

Built-in flash	
Type	Built-in flash
Mode	Smart Flash, Auto, Auto Red-eye, Fill in, Fill-in Red, 1st Curtain, 2nd Curtain, Off
Guide number	4.9 (based on ISO 160, 24 mm), 4 (based on ISO 100, 24 mm)
External flash (Optional)	
Type	External flash
Mode	Smart Flash, Auto, Auto Red-eye, Fill in, Fill-in Red, 1st Curtain, 2nd Curtain, Off
Guide number	8 (Based on ISO 160, 24 mm), 7 (Based on ISO 100, 24 mm)
External flash	<ul style="list-style-type: none"> <li>• Samsung NX mini external flash available (SEF7A) (Optional)</li> <li>• Guide number: 8 (Based on ISO 160, 24 mm), 7 (Based on ISO 100, 24 mm)</li> <li>• Sync terminal: External flash port</li> </ul>
White Balance	
Mode	Auto WB, Daylight, Cloudy, Fluorescent White, Fluorescent NW, Fluorescent Daylight, Tungsten, Flash WB, Custom Set, Color Temperature (Manual)
Micro adjustment	Amber/Blue/Green/Magenta 7 steps respectively
Dynamic Range	
Off/Smart Range+/HDR	
Storage	
Media	External memory (optional)*: microSD card (2 GB guaranteed), microSDHC card (up to 32 GB guaranteed), microSDXC card (up to 64 GB guaranteed), UHS-1 microSD card * Class 6 and above recommended
File format	RAW (SRW (ver.3.0.0)), JPEG (EXIF 2.3), MP4 (Movie), DCF
NFC	
Yes	
Wireless network	
Type	IEEE 802.11b/g/n
Function	AutoShare, Remote Viewfinder, MobileLink, Photo Beam, Auto Backup, Samsung Link, SNS & Cloud, Email, Baby Monitor, Group Share
Interface	
Digital output	USB 2.0 (micro USB jack)
Video output	<ul style="list-style-type: none"> <li>• NTSC, PAL(selectable)</li> <li>• HDMI</li> </ul>
External release	Yes
DC power input	DC 5.0 V, 0.55 A via micro USB
Power Source	
Type	Rechargeable battery: B740AE/B740AC/B740AU/B740AK(2330 mAh, 3.8 V)
Dimensions (W X H X D)	
4.35 X 2.44 X 0.89 in	
Weight	
5.57 oz (without battery and memory card)	
Software	
i-Launcher, Adobe Photoshop Lightroom 5	

## 2-2 Product comparison

<Table. 2-2 Product comparison>

Specs \ Model	NX mini	NX1000
Product image		
Image Sensor(size)	BSI CMOS(13.2 X 8.8 mm)	CMOS(23.5 X 15.7 mm)
Effective pixels	Approx. 20.5 mega-pixels	Approx. 20.3 mega-pixels
Total pixels	Approx. 20.9 mega-pixels	Approx. 21.6 mega-pixels
Weight	5.57 oz (without battery and memory card)	8.04 oz (without battery and memory card)
Dimensions	4.35 X 2.44 X 0.89 in	4.69 x 2.54 x 1.41 in
Display	<ul style="list-style-type: none"> <li>Type : TFT LCD, 2.96" ( 7.52 cm)</li> <li>Resolution : HVGA (320X480), Approx. 460.8 k dots</li> </ul>	<ul style="list-style-type: none"> <li>Type : TFT LCD, 3.69" ( 9.38 cm)</li> <li>Resolution : WVGA(800X480), Approx. 115.2k dots</li> </ul>
i-Function	Supported(depends on lens)	①ZOOM(X1.2, 1.4, 1.7, 2.0)
Shutter	<ul style="list-style-type: none"> <li>Type : Electronic shutter</li> <li>Speed : - Auto: 1/16,000~30 sec.</li> <li>- Manual: 1/16,000~30 sec. (1/3 EV Step)</li> <li>- Bulb (time limit: 4 min.)</li> </ul>	<ul style="list-style-type: none"> <li>Type : Electronically controlled vertical-run focal plane shutter</li> <li>Speed : - Auto: 1/4,000~30sec</li> <li>- Manual: 1/4,000~30sec. (1/3 EV Step)</li> <li>- Bulb (time limit: 4 min)</li> </ul>
ISO equivalent	• Auto, 160~12800 (1 or 1/3 EV Step)	• Auto, 100 ~ 25,600 (1 or 1/3 EV Step)
Flash	<ul style="list-style-type: none"> <li>Type : - Built-in flash</li> <li>- External Flash (SEF7A, Optional)</li> <li>Angle of view : 24 mm (35 mm film equivalent)</li> </ul>	<ul style="list-style-type: none"> <li>Type : External Flash (Bundle with SEF8A)</li> <li>Angle of view : 28 mm (35 mm film equivalent)</li> </ul>
NFC	Yes	No
Wireless network	<ul style="list-style-type: none"> <li>Type : IEEE 802.11b/g/n</li> <li>Function : AutoShare, Remote Viewfinder, MobileLink, Photo Beam, Auto Backup, Samsung Link, SNS &amp; Cloud, Email, Baby Monitor, Group Share</li> </ul>	<ul style="list-style-type: none"> <li>Type : IEEE 802.11b/g/n</li> <li>Function : MobileLink, Remote Viewfinder, Auto Backup, Email, SNS &amp; Cloud, Samsung Link, AutoShare, Wi-Fi Direct</li> </ul>
Storage	<ul style="list-style-type: none"> <li>External memory (optional)*: <ul style="list-style-type: none"> <li>- microSD card (2 GB guaranteed),</li> <li>- microSDHC card (up to 32 GB guaranteed),</li> <li>- microSDXC card (up to 64 GB guaranteed),</li> <li>- UHS-1 microSD card</li> </ul> </li> <li>* Class 6 and above recommended</li> </ul>	<ul style="list-style-type: none"> <li>External memory (optional): <ul style="list-style-type: none"> <li>- microSD card (2 GB guaranteed),</li> <li>- microSDHC card (up to 32 GB guaranteed),</li> <li>- microSDXC card (up to 64 GB guaranteed)</li> </ul> </li> <li>*(Class 6 and above recommended)</li> </ul>
	No Internal memory	No Internal memory
Image Stabilization	<ul style="list-style-type: none"> <li>Type : Lens shift (depends on lens)</li> <li>Mode : Off/Mode 1/Mode 2</li> </ul>	<ul style="list-style-type: none"> <li>Type : Lens shift (depends on lens)</li> <li>Mode : Off/Mode 1/Mode 2</li> </ul>
DC power input	DC 5.0 V, 0.55 A via micro USB	DC 5.0V, 1A micro USB
	USB charging is possible	USB charging is possible
Power Source type	B740AE/B740AC/B740AU/B740AK(2330 mAh, 3.8 V)	BP1130(1130mAh, 7.6 V)

## 2-3 Accessories information

<Table. 2-3 Packing items information>










	image	Description		Parts No.
Packing items		<b>Camera</b> (Including the body cap)	BLACK	EV-NXF1ZZB1IUS
			WHITE	EV-NXF1ZZB1HUS
			BROWN	EV-NXF1ZZB1JUS
			GREEN	EV-NXF1ZZB1KUS
			PINK	EV-NXF1ZZB1QUS
		<b>External Flash</b>	SEF-7A	AD97-24153A
		<b>AC adapter</b>		
		BLACK		WHITE
		AD5055_EXP	AD44-00183A	AD5055_EXP_WH
		AD5055_USA	AD44-00179A	AD5055_USA_WH
		AD5055_UK	AD44-00182A	AD5055_UK_WH
		AD5055_AUS	AD44-00185A	AD5055_AUS_WH
		AD5055_BRA	AD44-00180A	AD5055_BRA_WH
		AD5055_CHI	AD44-00184A	AD5055_CHI_WH
		AD5055_INDIA	AD44-00205A	AD5055_INDIA_WH
		AD5055_ARG	AD44-00181A	AD5055_ARG_WH
		<b>USB cable(CB5MU05E)</b> 	BLACK	AD39-00190A
			WHITE	AD39-00202A
		<b>Battery</b>	B740AK	AD43-00218A
		<b>Software CD-ROM(User manual included)/</b>		AD46-00449A
		<b>Adobe Photoshop Lightroom DVD-ROM</b>		No service
		<b>Strap</b>	BLACK	AD63-07783A
			WHITE	AD63-07784A



	image	Description		Parts No.	
Packing items		Quick start guide			
		NX Mini_QSG_S.CHI	AD68-08409A	NX Mini_QSG_SLO	AD68-08427A
		NX Mini_QSG_ENG	AD68-08410A	NX Mini_QSG_SLV	AD68-08428A
		NX Mini_QSG_GER	AD68-08411A	NX Mini_QSG_TUR	AD68-08429A
		NX Mini_QSG_FRA	AD68-08412A	NX Mini_QSG_UKR	AD68-08430A
		NX Mini_QSG_SPA	AD68-08413A	NX Mini_QSG_POL	AD68-08431A
		NX Mini_QSG_DUT	AD68-08414A	NX Mini_QSG_RUM	AD68-08432A
		NX Mini_QSG_ITA	AD68-08415A	NX Mini_QSG_ENG(SEA)	AD68-08443A
		NX Mini_QSG_RUS	AD68-08416A	NX Mini_QSG_SPA(SEA)	AD68-08444A
		NX Mini_QSG_SWE	AD68-08417A	NX Mini_QSG_LAV	AD68-08437A
		NX Mini_QSG_DAN	AD68-08418A	NX Mini_QSG_LIT	AD68-08438A
		NX Mini_QSG_BUL	AD68-08419A	NX Mini_QSG_T.CHI	AD68-08433A
		NX Mini_QSG_CZE	AD68-08420A	NX Mini_QSG_GRE	AD68-08434A
		NX Mini_QSG_ARA	AD68-08421A	NX Mini_QSG_SER	AD68-08439A
		NX Mini_QSG_FIN	AD68-08422A	NX Mini_QSG_CRO	AD68-08440A
		NX Mini_QSG_HUN	AD68-08423A	NX Mini_QSG_VIT	AD68-08441A
		NX Mini_QSG_PER	AD68-08424A	NX Mini_QSG_POR_BR	AD68-08442A
		NX Mini_QSG_NOR	AD68-08425A	NX Mini_QSG_THA	AD68-08435A
		NX Mini_QSG_POR	AD68-08426A	NX Mini_QSG_HEB	AD68-08436A

&lt;Table. 2-4 Optional items information&gt;

\* This page is Optional items.





	image	Description	
Optional accessories		<b>Camera bag</b> You can purchase the camera bag separately.	EA-CC4GC2N
		<b>Camera case</b> You can purchase the camera case separately.	BROWN(ED-CJ4NXMB)
			WHITE(ED-CJ4NXMW)
		<b>Memory card</b> This product supports ), microSD, microSDHC, or microSDXC memory cards.	2GB
			4GB
			8GB
			Card adapter
		<b>HDMI cable</b> You can view high-definition photos and videos by connecting the camera to an HDMI compatible monitor with the HDMI (HDMI type D) cable.	EA-CBHD10D
		<b>Mount Adapter</b>	ED-MA4NXM
		<b>Strap</b> Shutter release reduces shakiness when used with a tripod.	BLACK(EA-HS3UB)
			BLUE(EA-HS3UU)
			WHITE(EA-HS3UW)
		<b>Charging Kit</b> You can purchase additional battery packs.	ED-AK4NXM01

## 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		Quality						
		Super Fine	Fine	Normal	RAW	RAW+ S.Fine	RAW+ Fine	RAW+ Normal
Photo	20.0M (5472X3648)	160	290	398	55	35	44	48
	10.1M (3888X2592)	288	486	630	-	44	51	53
	5.9M (2976X1984)	435	679	835	-	49	54	56
	2.0M (1728X1152)	831	1,081	1,201	-	56	58	57
	Burst	489	743	899	-	-	-	-
	16.9M (5472X3080)	186	332	450	-	37	46	50
	7.8M (3712X2088)	355	577	730	-	48	52	55
	4.9M (2944X1656)	497	752	908	-	51	55	56
	2.1M (1920X1080)	1,546	2,804	3,847	-	60	62	63
	13.3M (3648X3648)	228	398	529	-	40	48	52
	7.0M (2640X2640)	385	616	771	-	48	53	55
	4.0M (2000X2000)	566	829	981	-	52	56	57
	1.1M (1024X1024)	2,779	4,690	6,085	-	62	63	64

Size			Quality	
			HQ	Normal
Video		1920X1080 (30 fps)	Approx. 17'	Approx. 19' 51"
		1280X720 (30 fps)	Approx. 23' 46"	Approx. 29' 38"
		640X480 (30 fps)	Approx. 52' 57"	Approx. 69' 43"
		For Sharing (30 fps)	-	Approx. 235' 485"

- 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.
- The maximum recording time is 29 minutes and 59 seconds per file.
- The maximum playback time of For Sharing videos is 30 seconds per file.

## 2-5 About the battery

<Table. 2-6 Battery specifications>

Specification	Description
Model*	B740AE/B740AC/B740AU/B740AK
Type	Lithium-ion battery
Cell capacity	2,330 mAh
Voltage	3.8 V
Charging time** (When the battery is completely discharged)	Approx. 220 min

\* The battery specifications or model may differ depending on your region.

\*\* The figures above are based on when you use the provided USB cable and AC adapter.  
Charging the battery by connecting it to a computer may take longer.

<Table. 2-7 Battery life>

Shooting mode	Average time / Number of photos
Photos	<ul style="list-style-type: none"> <li>• Approx. 325 min/Approx. 650 photos (When you attach a 9 mm lens and use the internal flash)</li> <li>• Approx. 265 min/Approx. 530 photos (When you attach a 9-27 mm lens and use the external flash)</li> </ul>
Videos	Approx. 190 min (Record videos at 1920X1080 resolution and 30 fps.)

- The figures above are based on the CIPA test standards.
- Available shooting time differs depending on background, shooting interval, and use conditions.
- Several videos were recorded in succession to determine the total recording time.

## 2-6 Product features

### ❖ New size of 1" 20M BSI CMOS Sensor

#### 20M 1" CMOS BSI Sensor



The higher number of pixels [20M] Backside Illumination technology Targeting both quality and sensitivity.



Highend compact  
Sensor (1/1.8")



NX mini  
sensor (1")

### ❖ High performance

#### ISO 160 ~ 12800

High sensitivity, low noise with BSI sensor



#### 1/16000s Shutter Speed

You can hold the moment by  
max 1/16000s shutter speed



#### 22 fps high speed continuous shot

Outstanding continuous shooting feature - 22 fps



### ❖ Specialized display for self Portrait

#### Flip-Up Display



You can take a picture  
by your self with Flip-Up Display

- Power on with Flip-Up

#### 3" HGVA IPS LCD with Touch

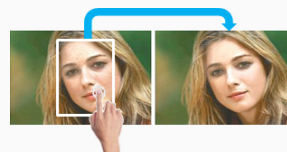
Easy to control with Touch Hybrid UI



### ❖ Outstanding functions for portrait

#### Touch Beauty

If you touch hold the detected face,  
Beauty Filter is automatically applied to only that person.



#### Wink & Smile Shot

Auto shooting with  
wink and smile detection



### ❖ Pocket Ultra Slim CSC

#### Slim Retro Design



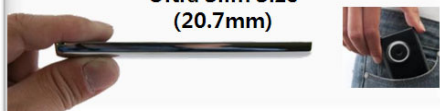
Real luxurious materials(metal)  
and analog sensitivity



Natural materials(Leather)



Ultra Slim Size  
(20.7mm)



### ❖ New concept lens

#### 9mm for slim body



Optimum self shooting  
angle Slim body



#### 9-27mm for multi player



Variety view angle  
Multi-purpose lens



### 3. Disassembly and reassembly

#### 3-1 Disassembly of main unit

1



MACH SCREW 1.7 X 4.0L

2

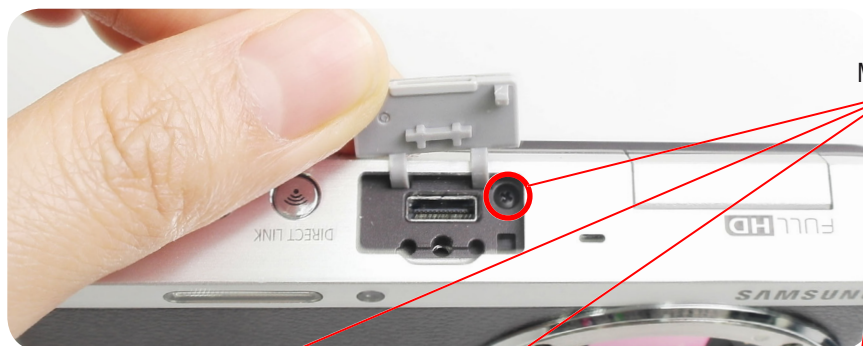


MACH SCREW 1.7 X 4.0L

Remove the 1 screw.

Remove the 1 screw.

3



MACH SCREW 1.7 X 4.0L



Remove the 4 screws.

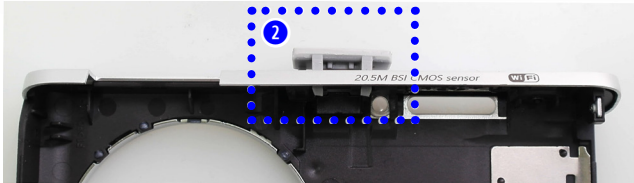




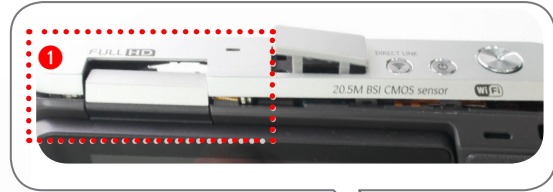
## CAUTION

No.4 : Please be careful not to damaged the FRONT COVER when removing the Locking.

4



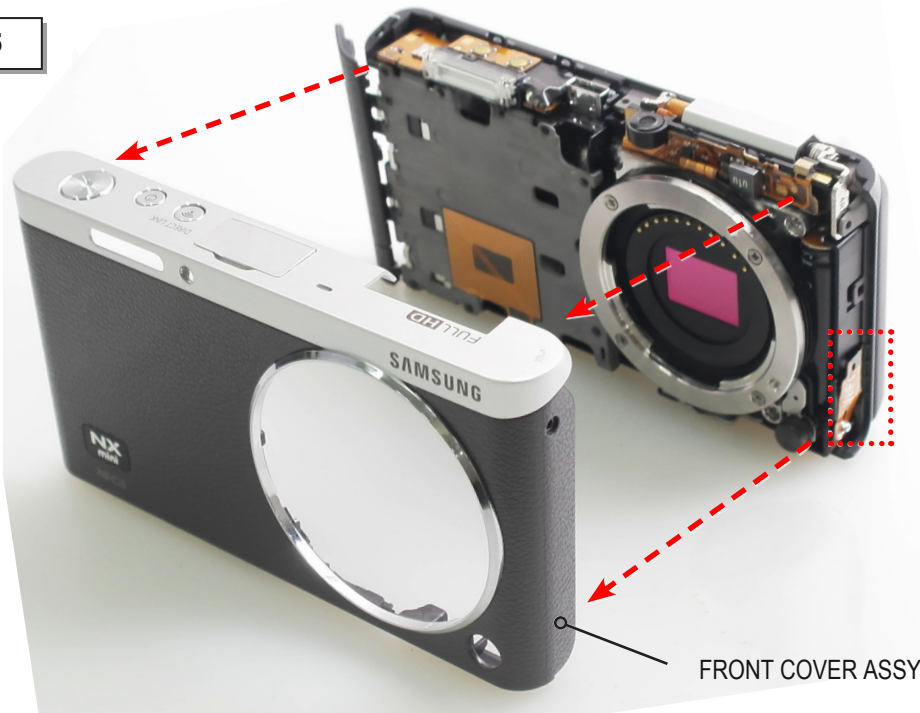
② When assembling the FRONT COVER, must be assembled to state open until the end of SOCKET COVER As shown.



Remove the locking by using the Locking Remove Tool.

① When removing TOP Locking, remove until the end part of the Locking on flash.

5



Remove the FRONT COVER ASSY.

① When assembling the FRONT COVER, be careful not to damaged the Wi-Fi FPCB.



**CAUTION**

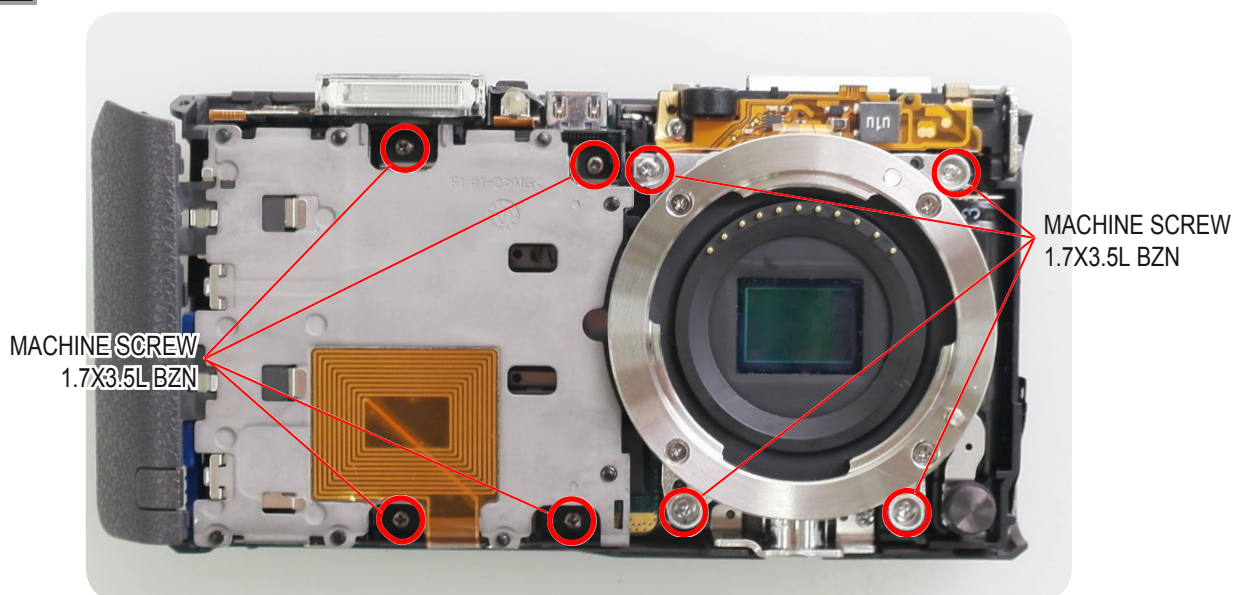
No.6 : If not discharge, when removing the structures on TOP PCB ASSY, there is a risk of electric shock.

6



Discharge the discharge points marked in the figure above by using the discharger.

7



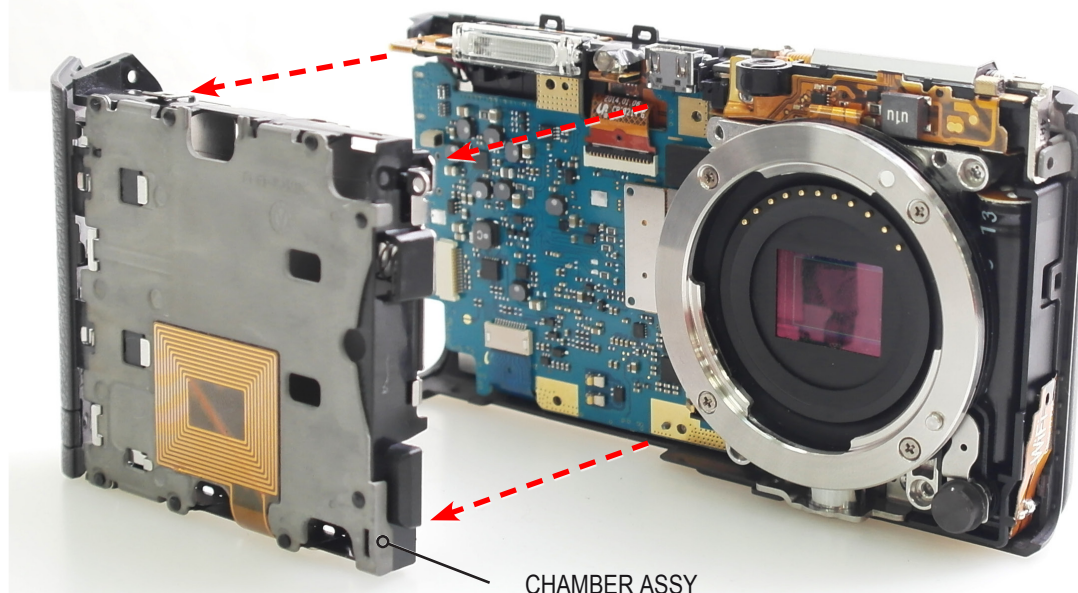
Remove the 8 screws.



## CAUTION

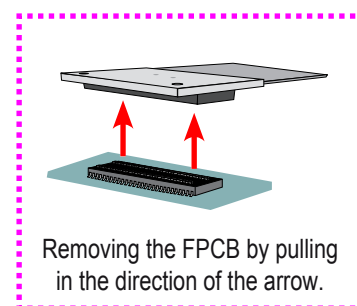
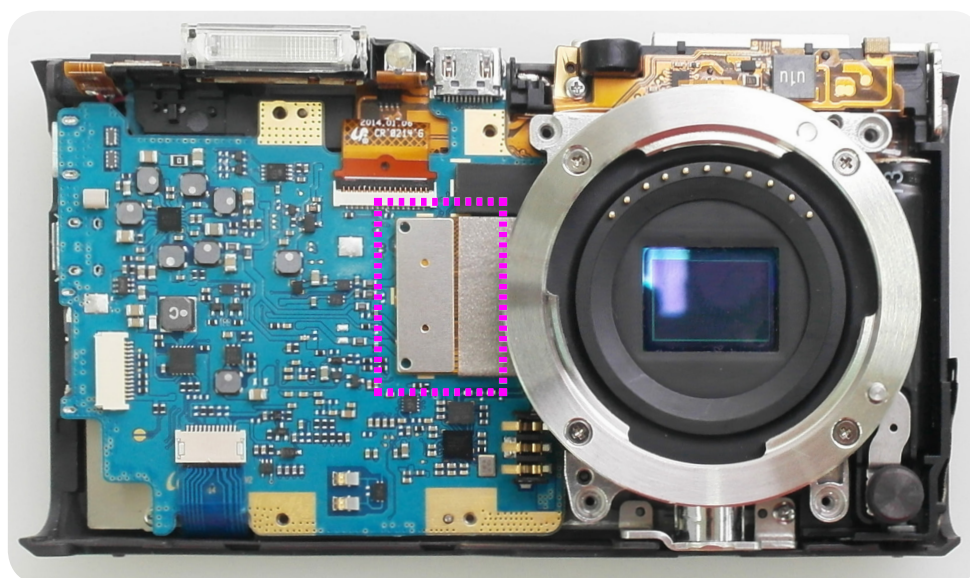
No. 9 : Please be careful not to damaged the FPCB when removing the MOUNT ASSY Connector.

8



Remove the CHAMBER ASSY.

9

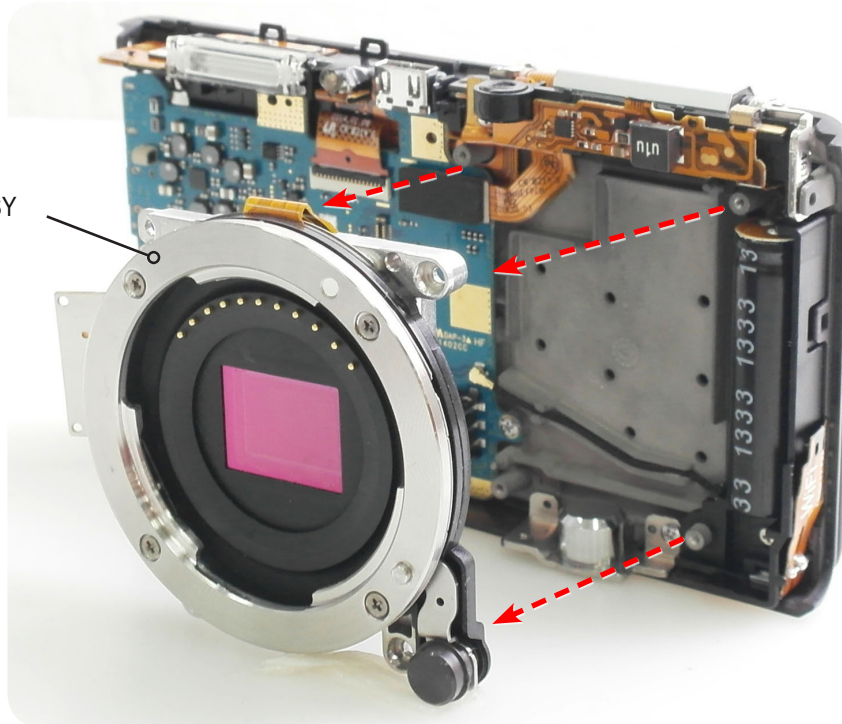


Remove the 1 Connector.



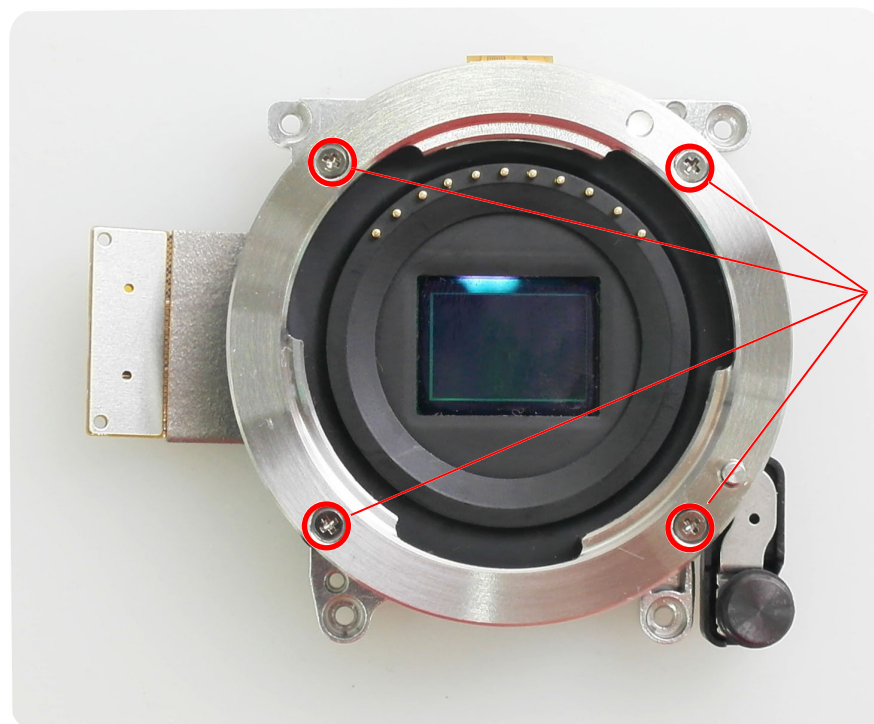
10

MOUNT ASSY



Remove the MOUNT ASSY.

11

MACHINE SCREW  
1.7X3.5L BZN

Remove the 4 screws.

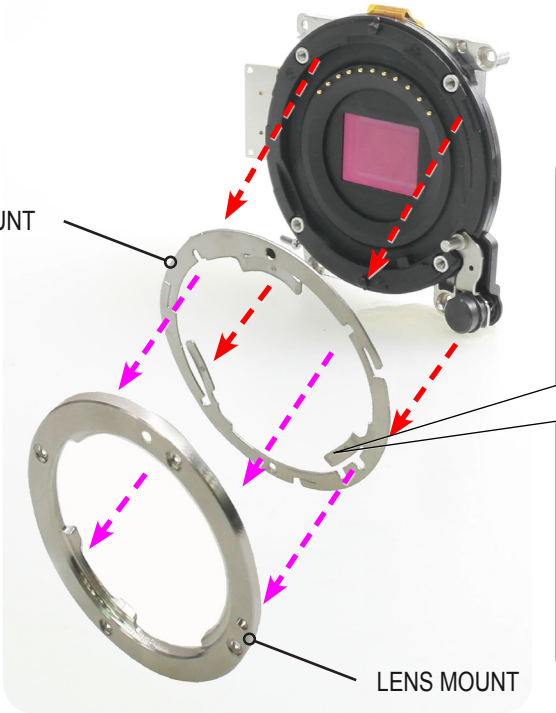


**CAUTION**

No. 13, 14 : Please be careful not to damaged the FPCB when removing the MOUNT ASSY Connector.

12

PLATE-LENS MOUNT

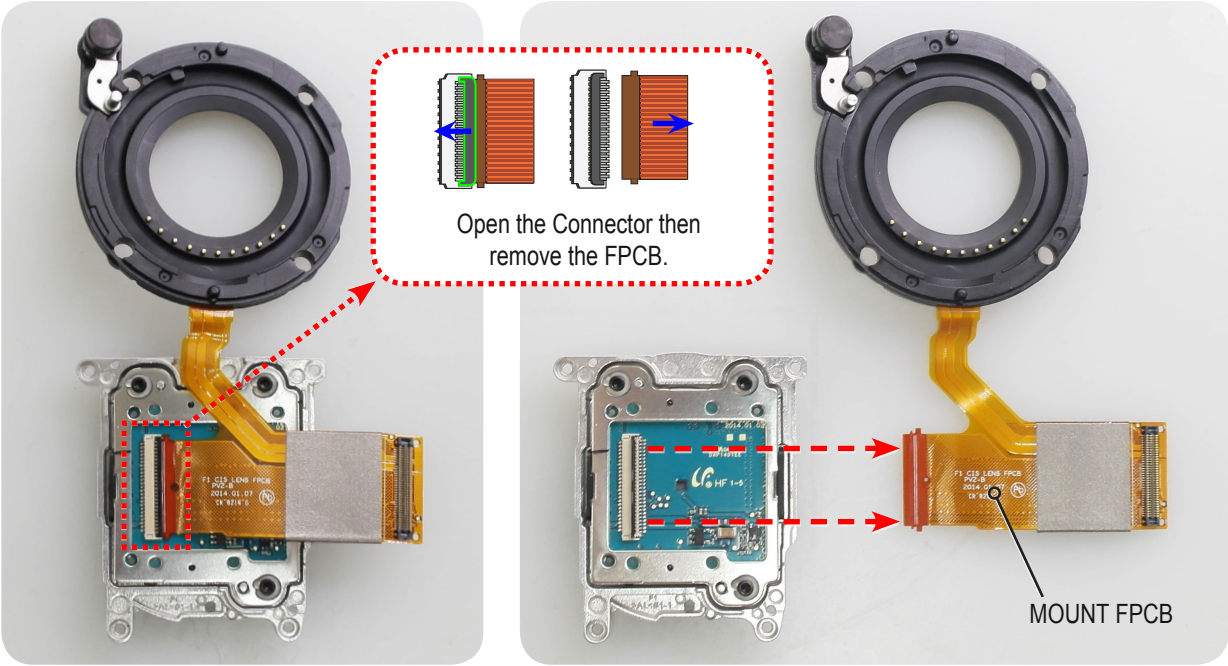


LENS MOUNT



Remove the LENS MOUNT & PLATE-LENS MOUNT.

13

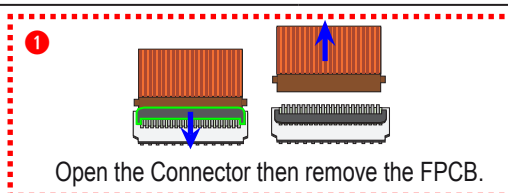


MOUNT FPCB

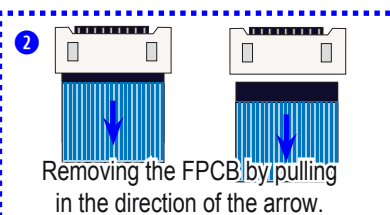
Remove the Connector on MOUNT ASSY.



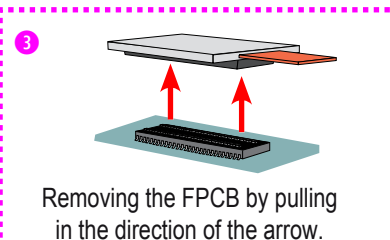
14



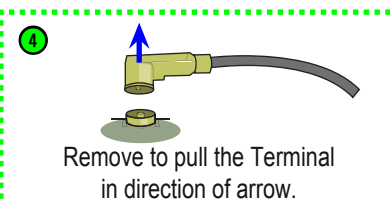
Open the Connector then remove the FPCB.



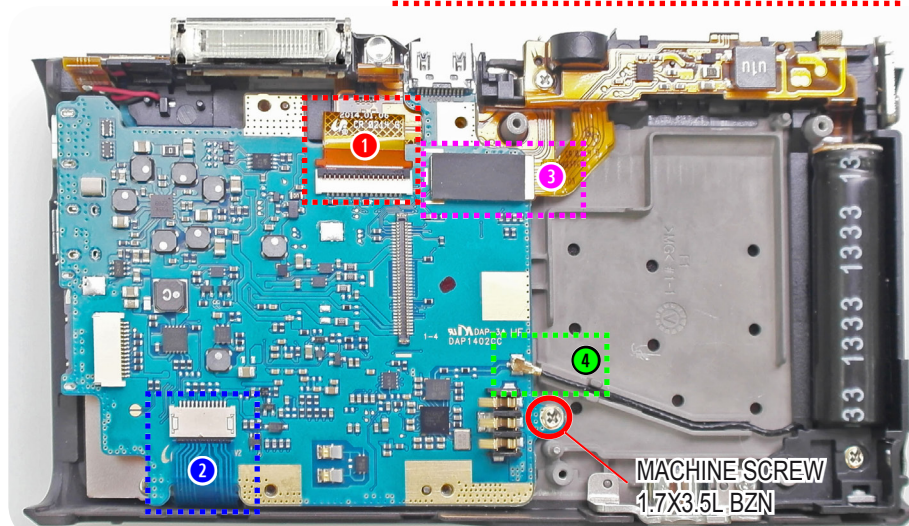
Removing the FPCB by pulling in the direction of the arrow.



Removing the FPCB by pulling in the direction of the arrow.

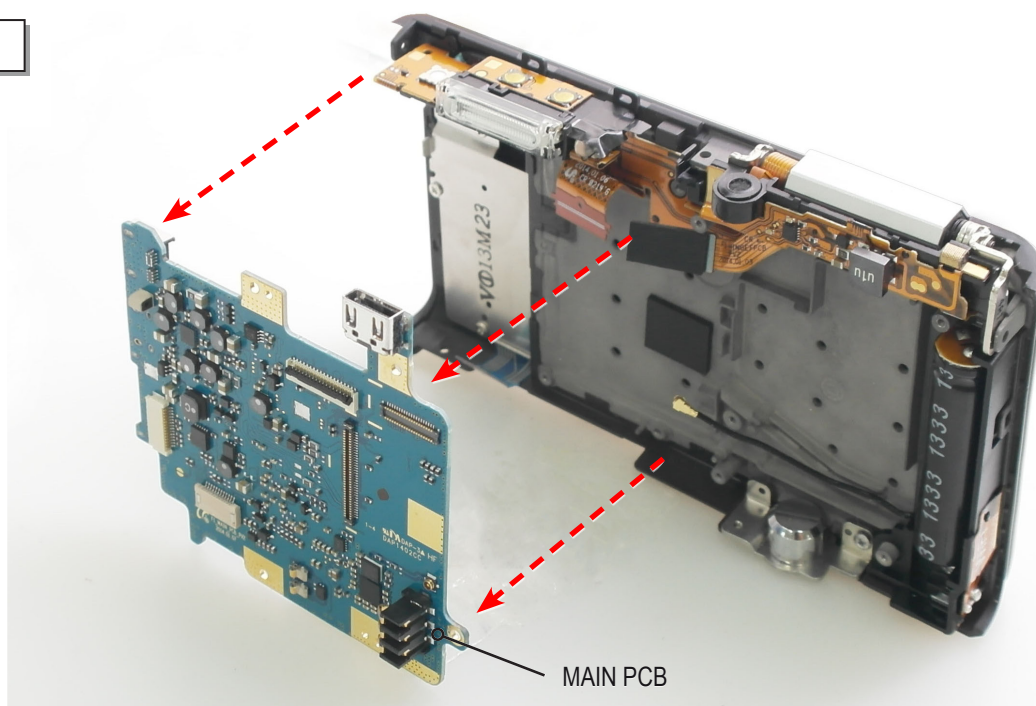


Remove to pull the Terminal in direction of arrow.



Remove the 1 screw &amp; 3 Connector &amp; WIFI-INTENN terminal.

15



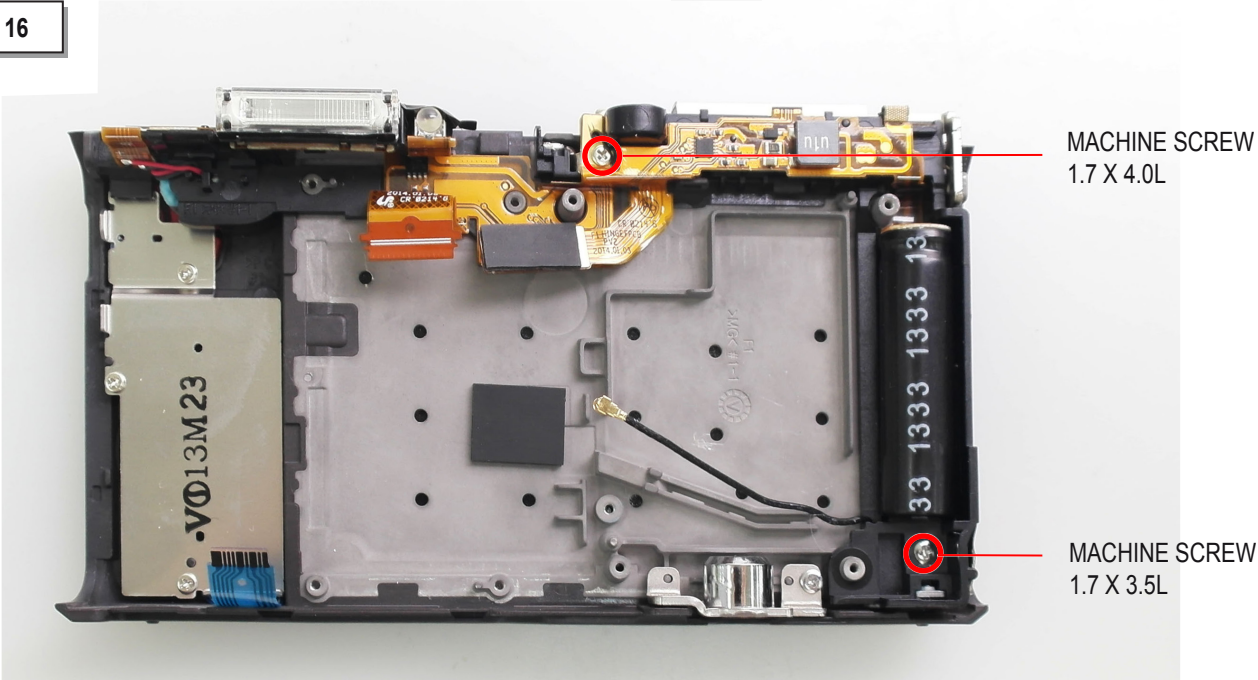
Remove the MAIN PCB.



**CAUTION**

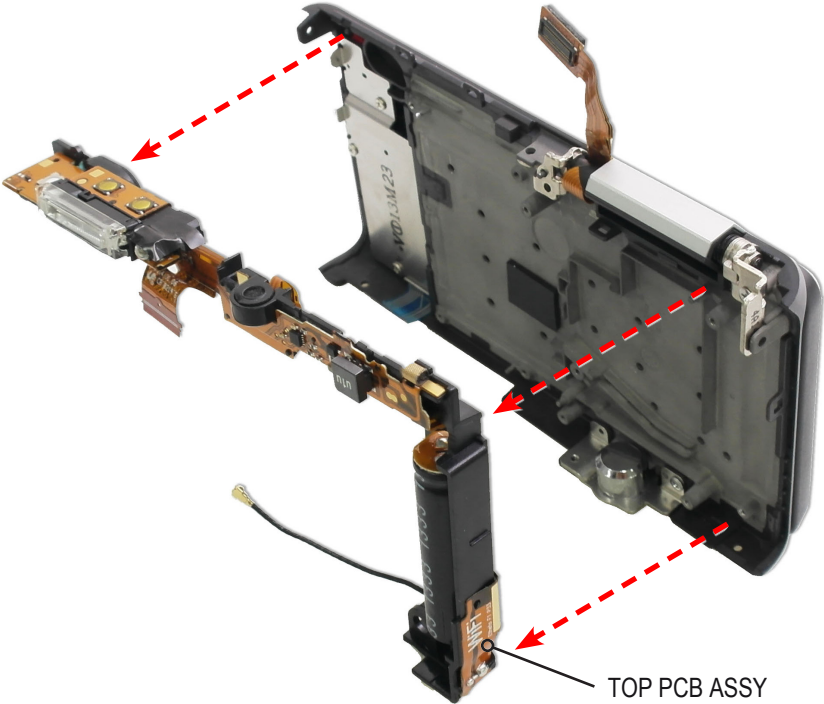
Please be careful not to damaged the TOP COVER when removing the Locking of TOP ASSY.

16



Remove the 2 screws.

17

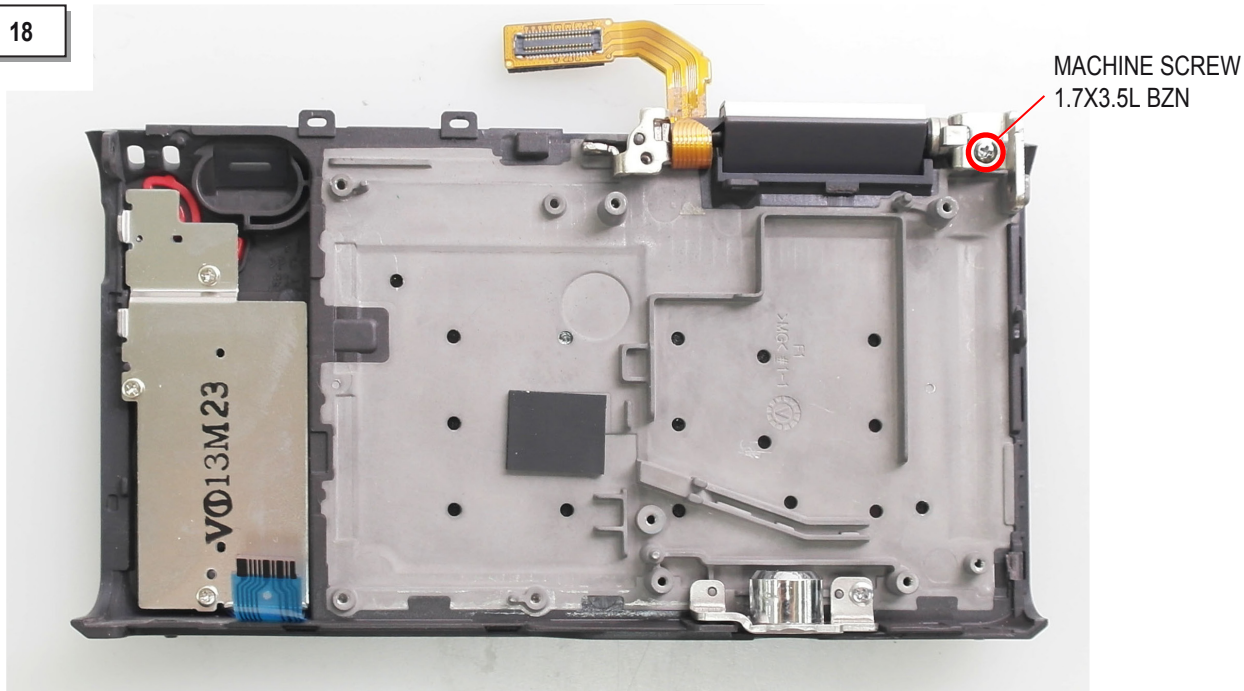


Remove the TOP PCB ASSY.

**CAUTION**

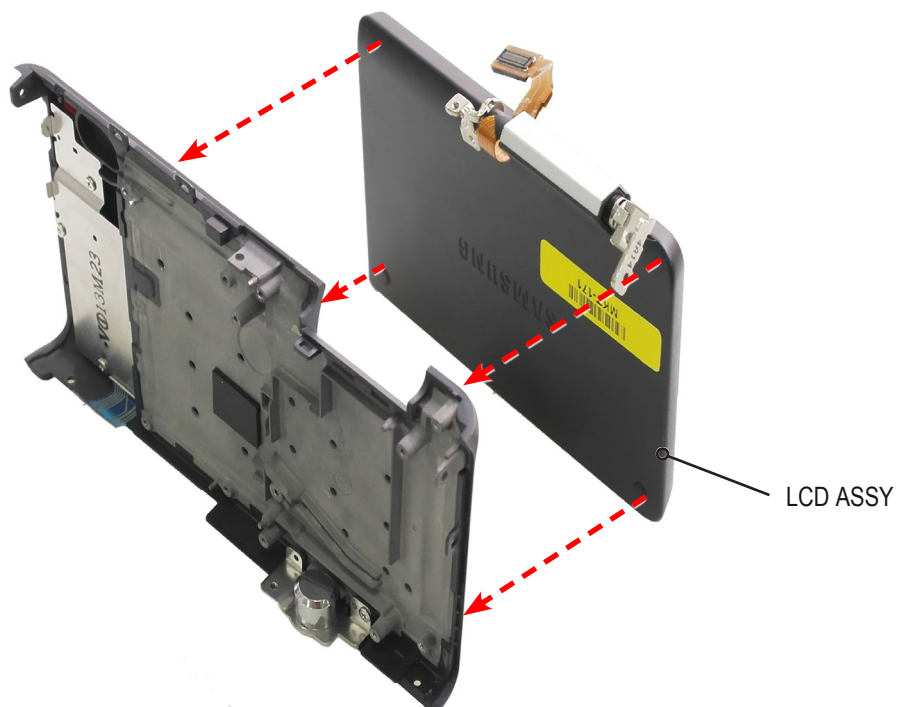
Please be careful not to damaged the BOTTOM COVER when removing the Locking of BOTTOM COVER.

18



Remove the 1 screw.

19



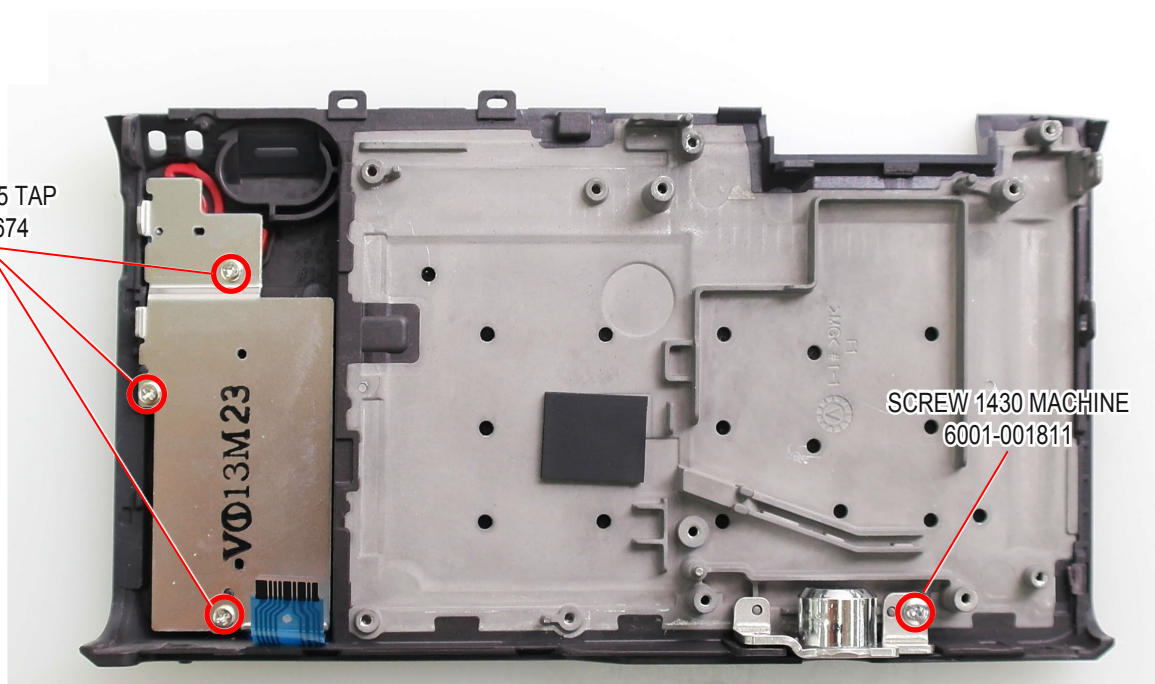
Remove the LCD ASSY.



20

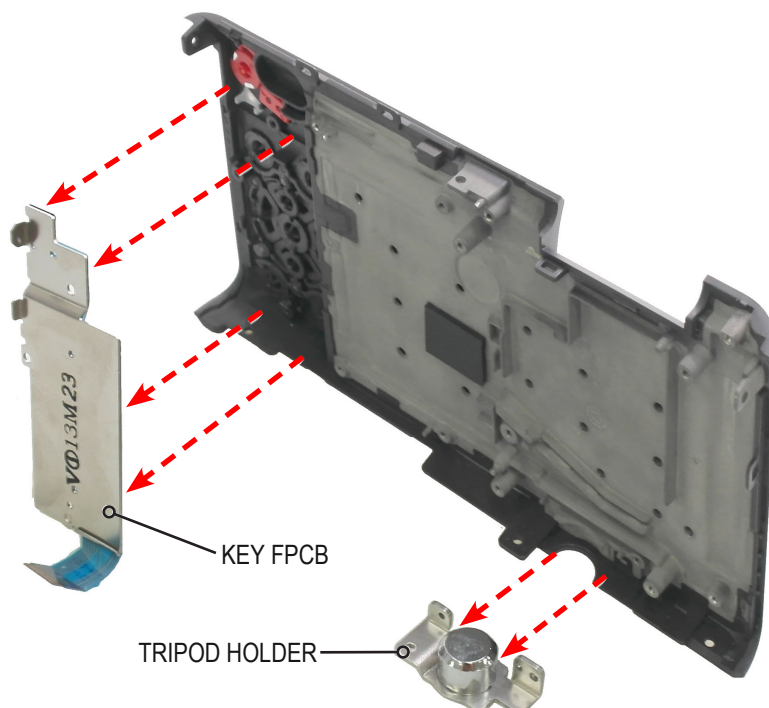
SCREW 1425 TAP  
6003-001674

SCREW 1430 MACHINE  
6001-001811



Remove the 3 screws.

21

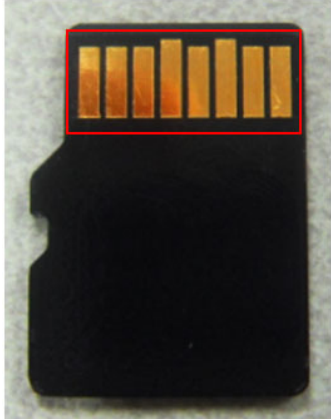
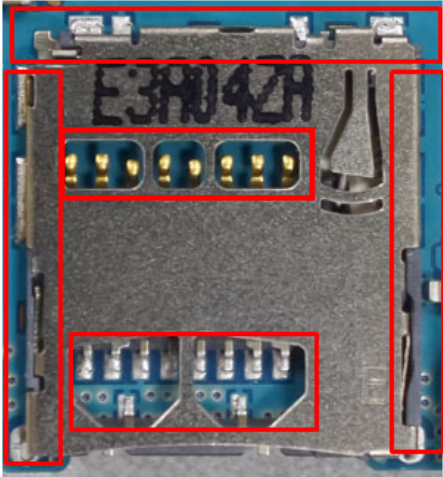


Remove the KEY FPCB & TRIPOD HOLDER.

## 4. Troubleshooting

### 4-1 MicroSD CARD detect fail/A/error issues

**Situation** MicroSD CARD detect fail/error.

	Suggested remedies	Reference
1	Check memory card contact pad.	
2	Check u-SD slot mechanical failure or SMD status.	

## 4-2 Power connection issues

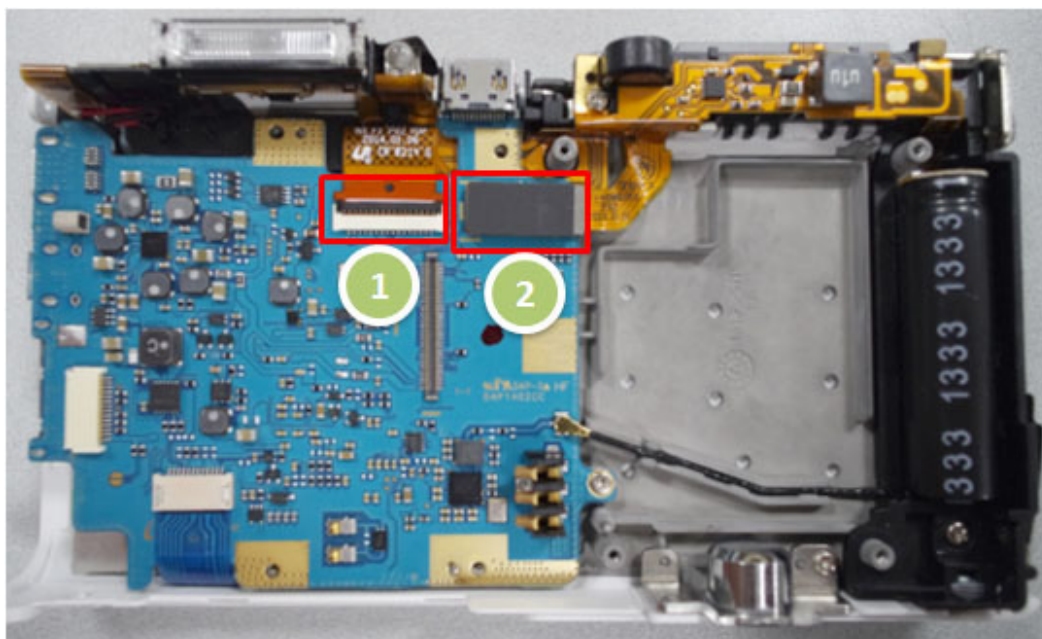
### Situation

The power does not work.

### Suggested remedies

- ① Check the connection status between MAIN PCB - TOP FPCB.  
(Power Key Connection Verification)
- ② Check the connection HINGE FPCB.  
(In fact, the power is on, but LCD not turn on and it confuse user)

### Reference



## 4-3 LENS connection issues

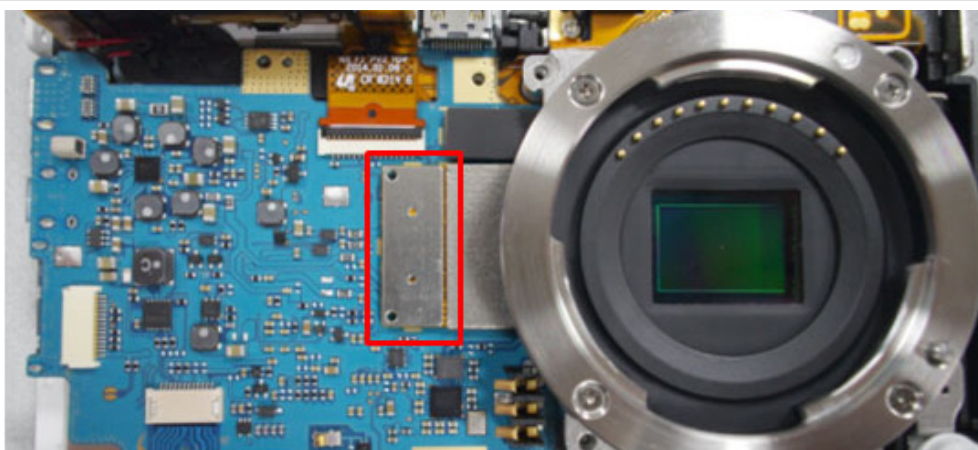
### Situation

If not recognize the lens ("Lens Detached" message pop-up)  
or Display at the bottom of the LCD screen is not F# (F-- display)

### Suggested remedies

Check the connection status between MAIN PCB – CIS\_LENS FPCB

### Reference





## 4-4 TOP switch issues

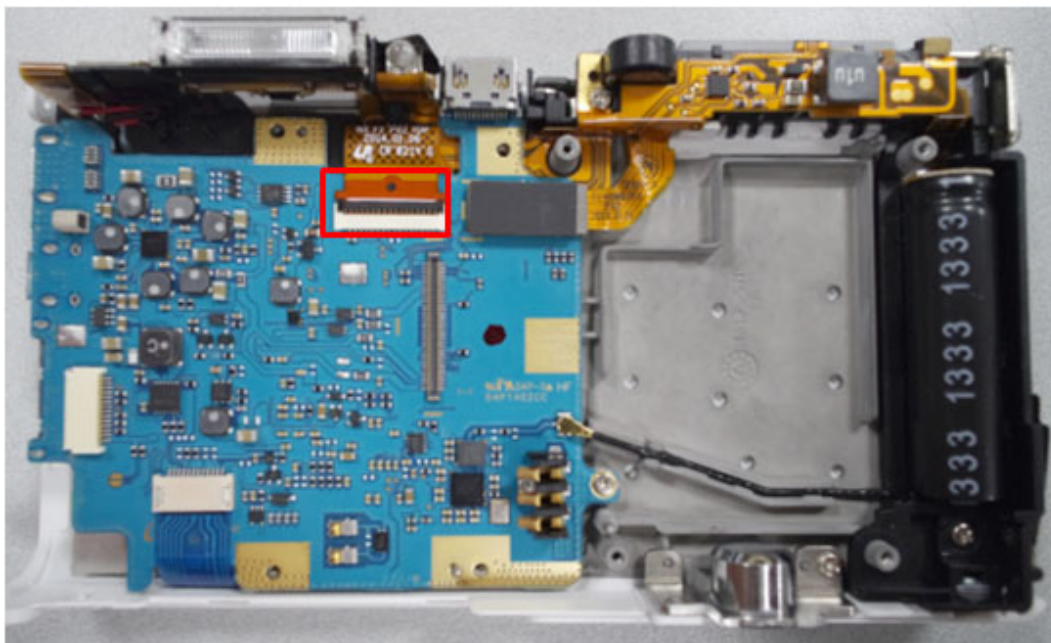
### Situation

The Power Key, Direct Link Key, Shutter Key does not work.

### Suggested remedies

Check the connection of MAIN PCB - TOP FPCB.

### Reference



## 4-5 LCD touch issues

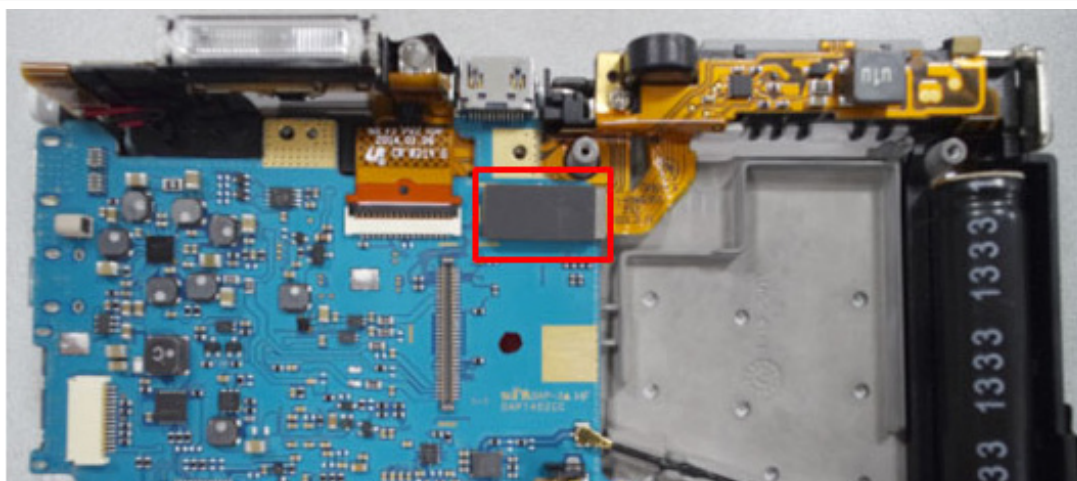
### Situation

The LCD Touch does not work.

### Suggested remedies

Check the connection of HINGE FPCB.

### Reference



## 4-6 Sound playback problems

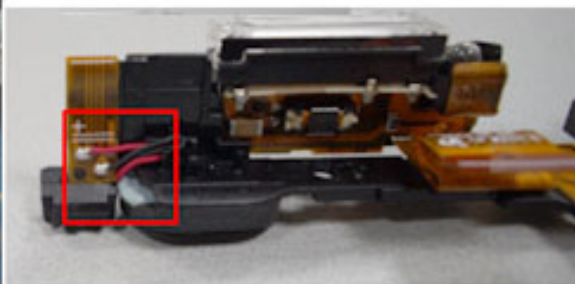
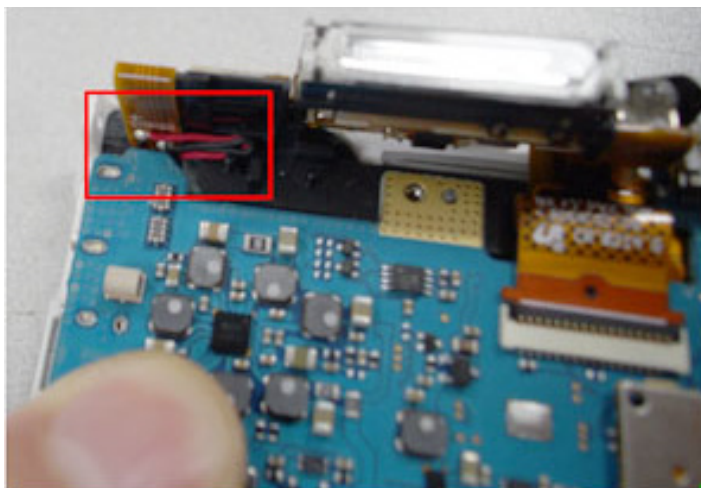
### Situation

If do not hear sound from the speakers

### Suggested remedies

- Check the connector and polarity of speaker.
- Check the bad soldering & connection on the FPCB of the speaker.

### Reference



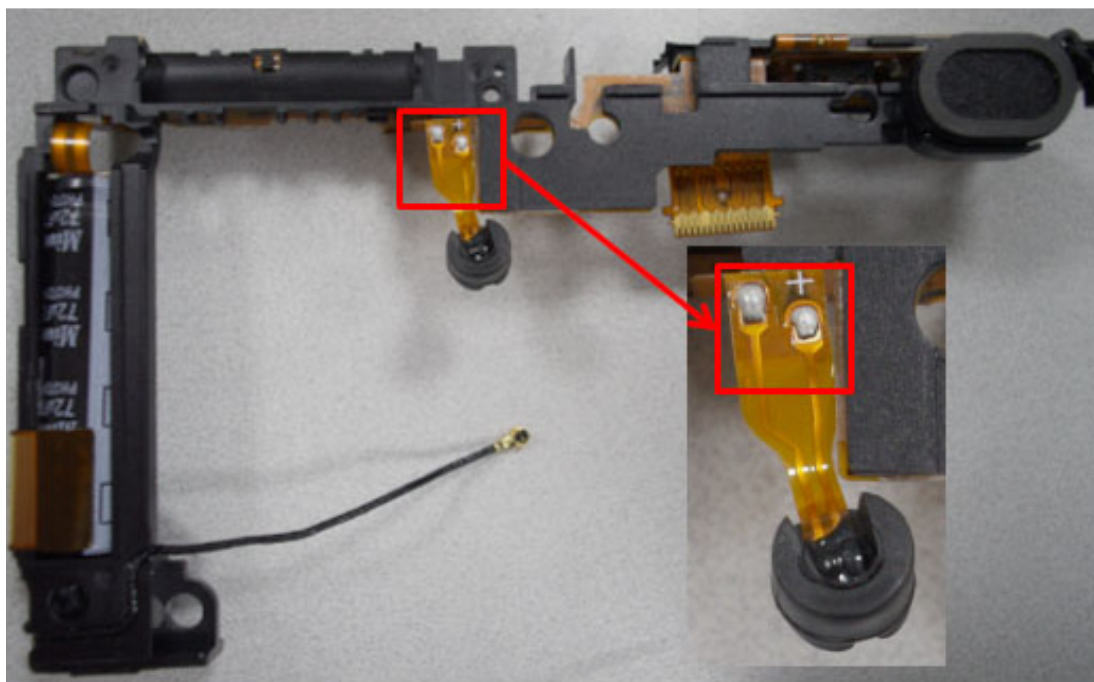
### Situation

You can hear the Button sound, but cannot hear the recorded sound.

### Suggested remedies

- Check the connector and polarity of speaker & MIC.
- Check the bad soldering & connection on the FPCB of the MIC & speaker.

### Reference



## 4-7 Image output related issues

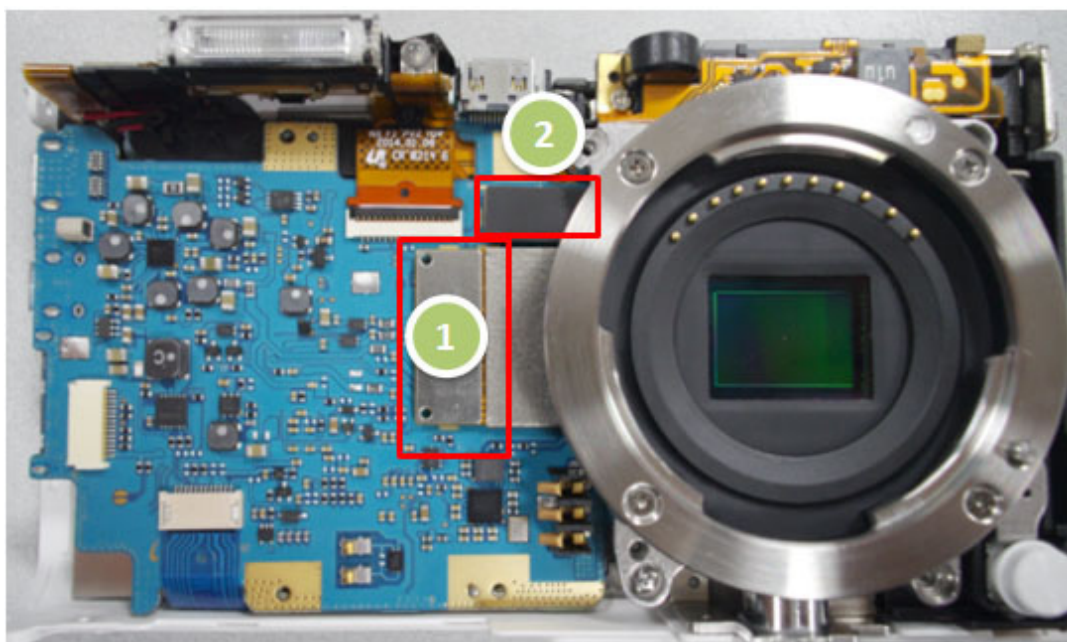
### Situation

LCD Black or unusual display - Horizontal, vertical line noise, or image noise, such as oil painting look.

### Suggested remedies

- ① Check the connection status between MAIN PCB – CIS\_LENS FPCB.
- ② Check the HINGE FPCB connector.

### Reference



## 4-8 External flash light-emitting issues

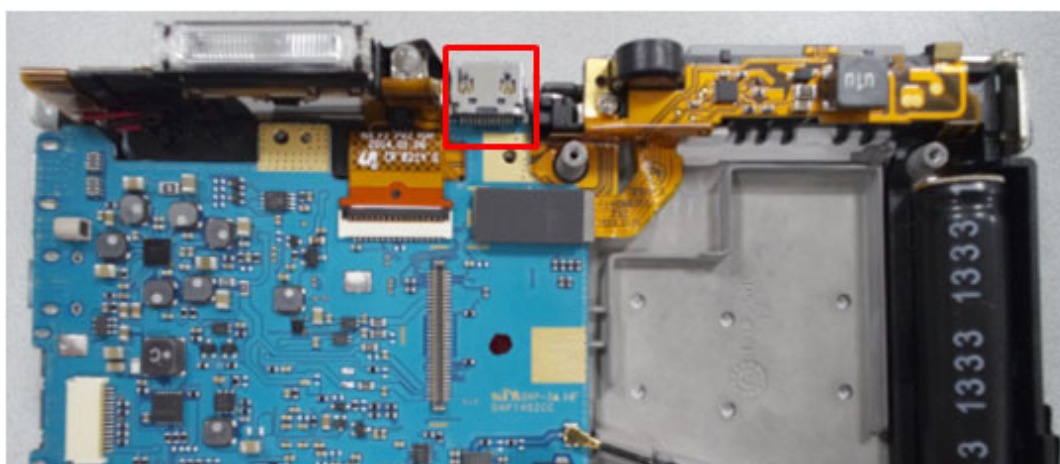
### Situation

The External flash does not work.

### Suggested remedies

Check the damage & connection of Hotshoe connectors on MAIN PCB.

### Reference





## 4-9 KEY button operation issues

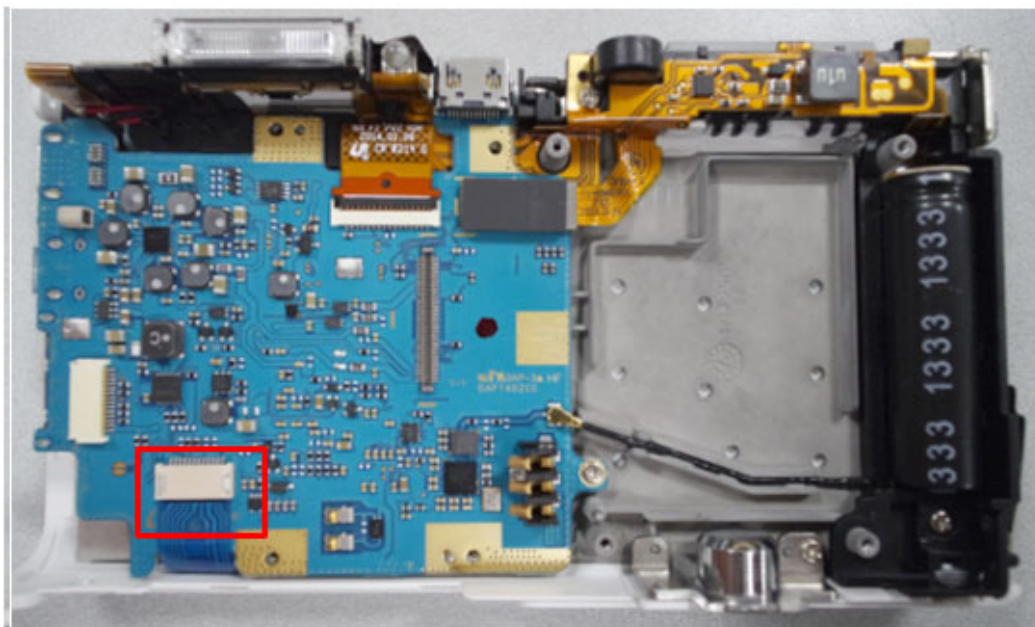
### Situation

The rear button(MENU, Fn, recording, playback, delete, 5-way button on the key) does not work.

### Suggested remedies

Check the damage & connection of KEY FPCB.

### Reference



## 4-10 WiFi connection-related issues

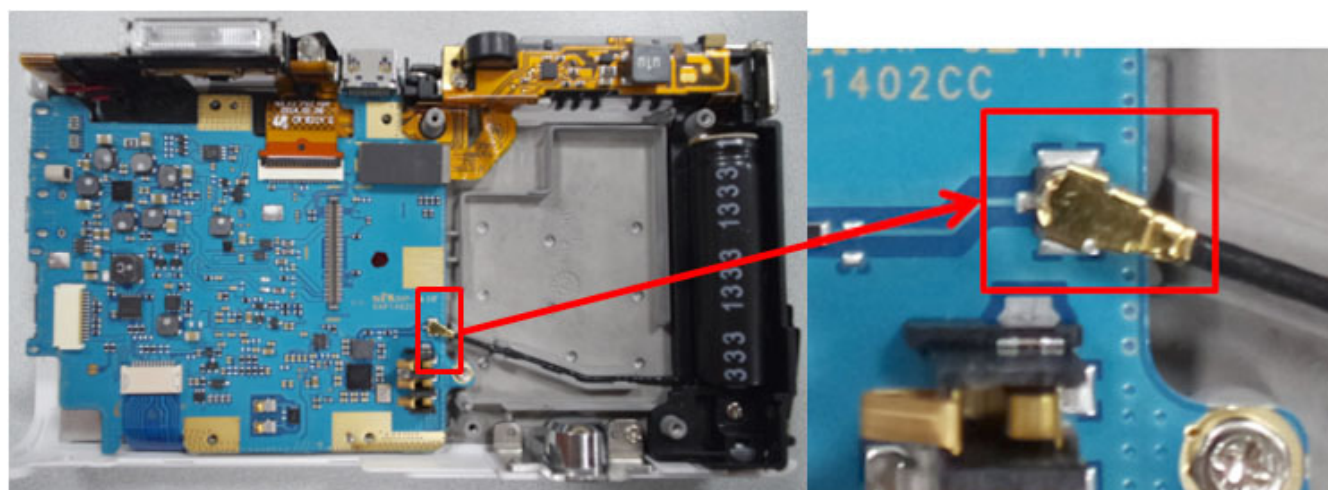
### Situation

The WIFI does not work.

### Suggested remedies

Check the connection of WIFI ANT.

### Reference





## 4-11 NFC connection-related issues

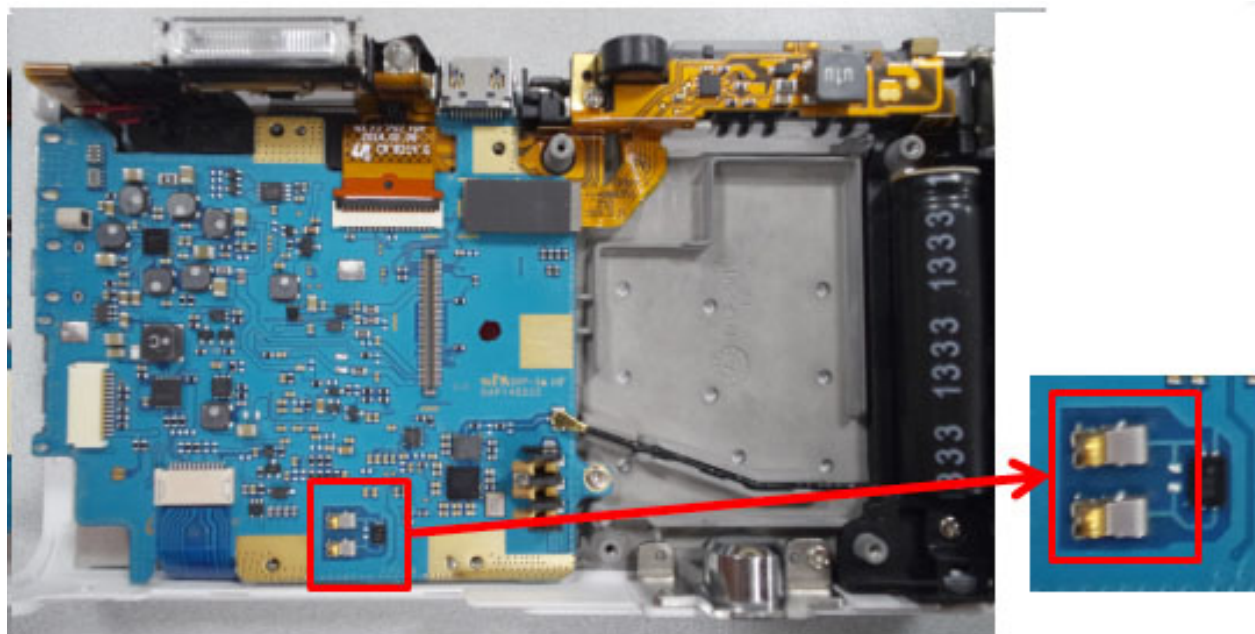
### Situation

The NFC does not work.

### Suggested remedies

Check the damage of the NFC contact pins on MAIN PCB.

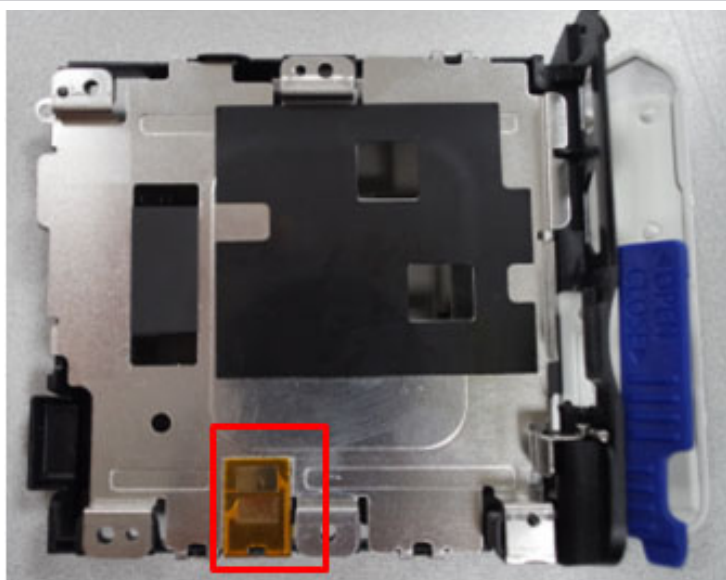
### Reference



### Suggested remedies

Check the damage of the junctions on NFC FPC.

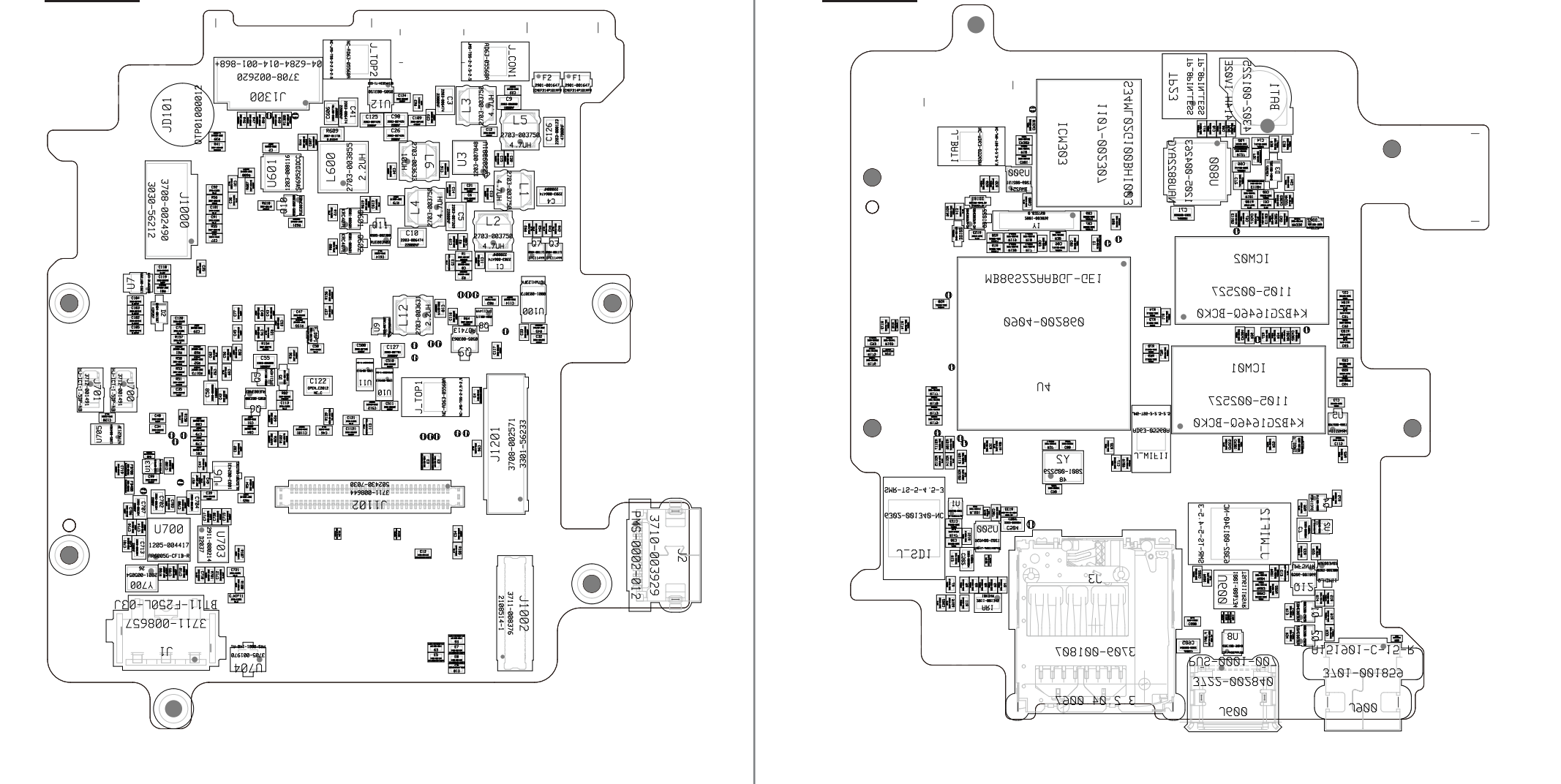
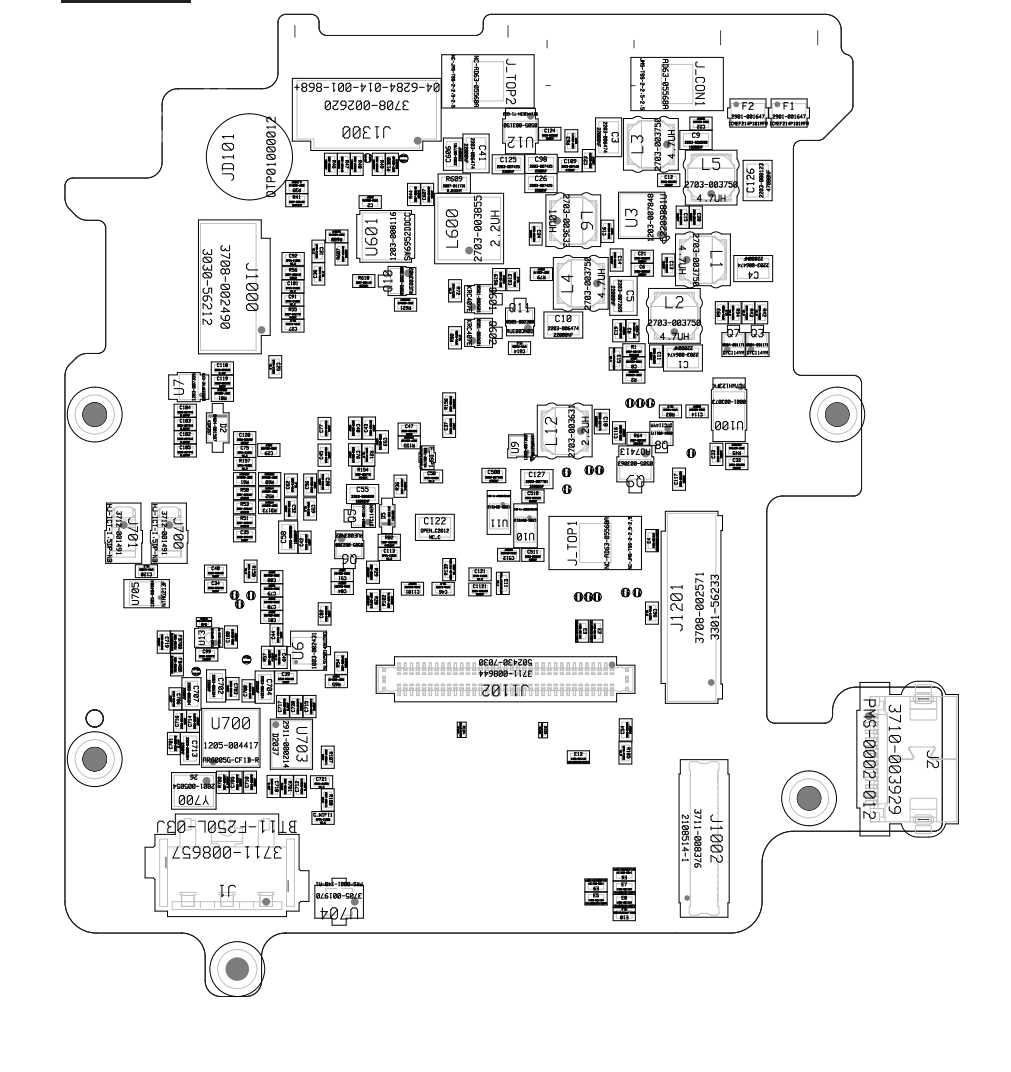
### Reference



## 5-1 MAIN PCB

TOP

BOTTOM



### 5-3 CIS HPCB

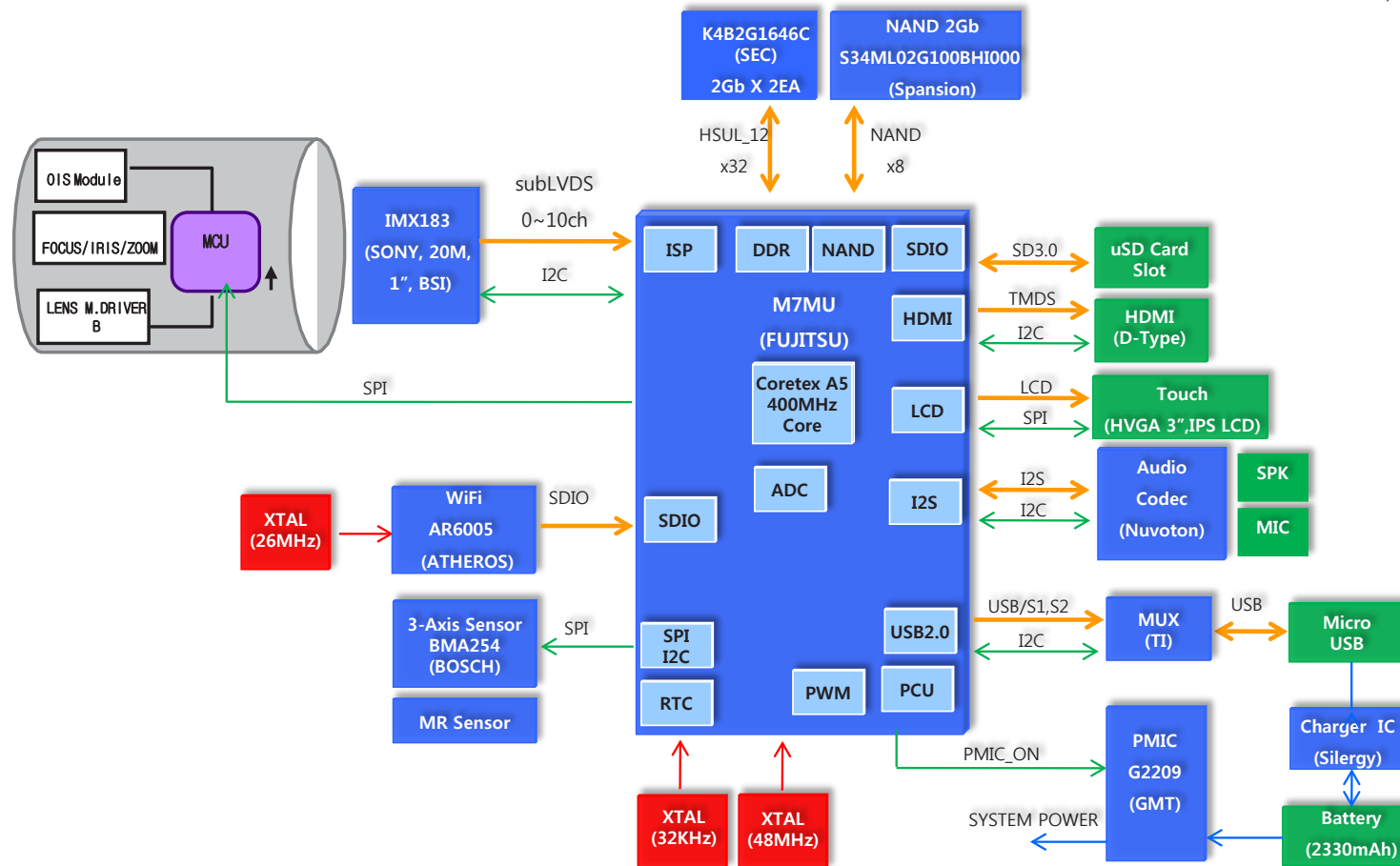
## 5-4 CIS LENS FPCB

## 5-5 HINGE FPCB

## 6. Block diagram

### NXF1 Block Diagram (ver 0.6)

14/01/10



## 7. Firmware update

### 7-1 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 on the power of the camera.
3. press the **OK + SHUTTER + DELETE** button.



Fig. 7-1

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



Fig. 7-2



## 7-2 Product reset



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

1. First turn on the power of the camera.



Fig. 7-3

2. Press the (1)OK + SHUTTER + (2)Power off button.

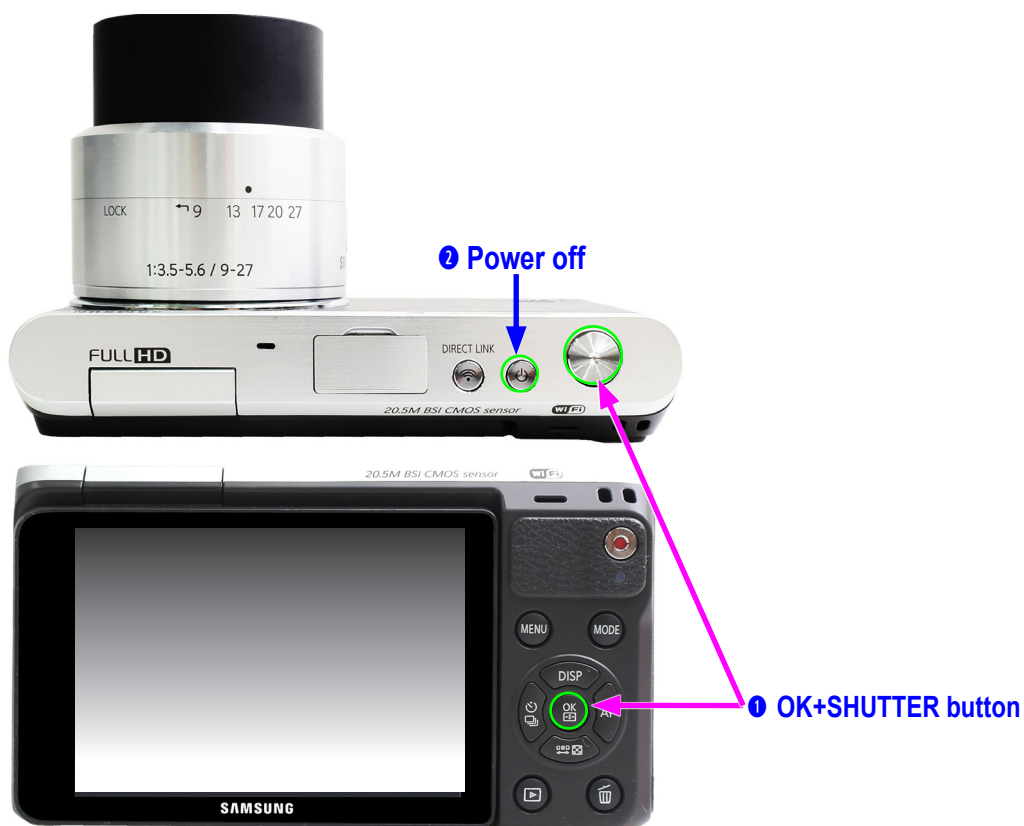


Fig. 7-4

3. Progressing the initialization in camera.



Fig. 7-5

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



Fig. 7-6

## 7-3 Firmware update



This method is able to downgrade and upgrade firmware of camera body.

1. Copy the Firmware file into the root directory of the memory card and then insert the memory card into the camera.  
– DATANXmini.bin
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.
4. Select the MENU.



Fig. 7-7

5. Select the "⚙️" and then select Device Information.

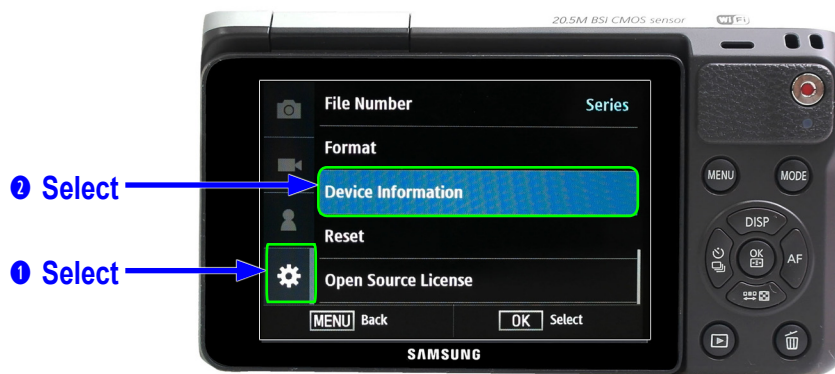


Fig. 7-8

6. Select the Firmware Update.



Fig. 7-9



7. Select the Body Firmware.



Fig. 7-10

8. Select the Yes to begin the firmware update.



Fig. 7-11

9. Firmware update is complete, camera will turn off automatically.

- Firmware update will take about 5 minutes. It will reboot twice during the firmware update process. Screen seems to be turned off. During the update process please ensure that the camera is not turned off or operated. Once the update is complete, a confirmation screen will be displayed.



Fig. 7-12

## 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 not deleted.

### Required materials

#### 1. Memory card less than 1GB

- It is recommended to use a memory card with less than 1GB.
- Occasionally a device may not read a memory card. Attempt to use different types of memory cards.)

#### 2. Tweezer

- It is used to short out the TP on MAIN PCB.

#### 3. Latest firmware file : DATANXmini.bin

- You can download the latest firmware file from the K-zone or Samsung website.

### <How to Recover>

1. Download the Latest firmware file copy to the memory card.
2. Remove the Exterior screws → Front cover → Lens Mount → Battery Chamber.
3. First, Discharge the discharge points marked in the Fig. 7-13 above by using the discharger.  
- If not discharge, there is a risk of electric shock.
4. Short to the soldering to two TP point as indicated in red circle on the MAIN PCB.  
- You need to remove soldering again later, so please be careful soldering.

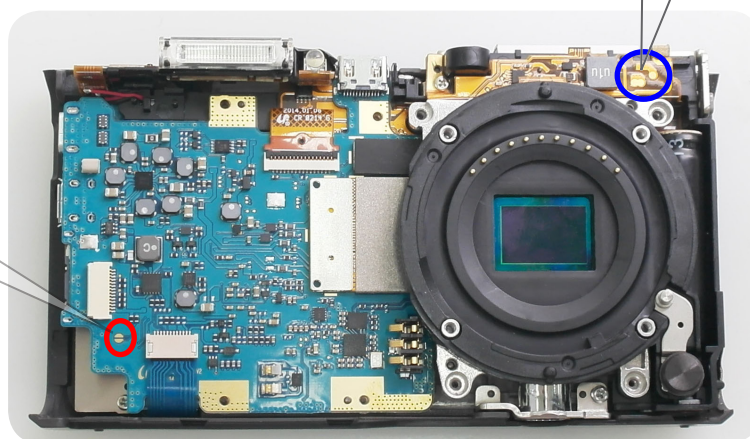
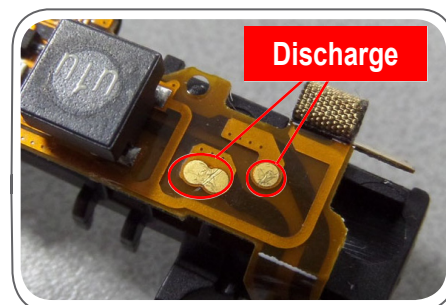


Fig. 7-13

5. Assembly the Lens Mount, Battery Chamber.
6. Insert the fully charged batteries and memory card containing the firmware data file into the camera.
7. When turn on the camera, the LED blinks recovery is in progress.  
- It will takes about 2 minutes.

8. When recovery is complete, the LED is turned off.
9. Remove the battery and memory card.
10. Remove again the Lens Mount, Battery Chamber.
11. Remove solder of the was soldering part from the No. 3.
12. Assembly the Battery Chamber → Lens Mount → Front cover → Exterior screws.

# 8. Adjustment

## 8-1 Adjustment process guide



- After replacing the following parts, you need to adjust the following items.
- The table below provides information about the necessary adjustment process.

### 1. Please refer to the table information before beginning the adjustment process.

<Table. 8-1>

	MAIN PCB	CIS ASSY	WiFi FPCB	NFC FPCB	Required Equipment
Firmware update	O	O	O	O	Every Service case
ISO adjust	O	O	X	X	Light Box 3200K, Master Lens
AWB adjust	O	O	X	X	
CIS DEFECT PIXEL ADJ (DPC)	O	O	X	X	Mount Cap
Country_code Input	O	X	X	X	change script
MAC ADDR, SERIAL NO Input	O	X	X	X	change script
WiFi ON / OFF	X	X	X	X	Special request only
NFC TAG WRITING	O	X	X	X	NFC Tag Writer APP

### 2. Required equipment specification

- Light Source Box 1 : LV-1450DC (3200K±50, Lv12)



- Master Lens



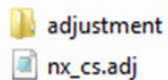
## 8-2 CS MENU enter



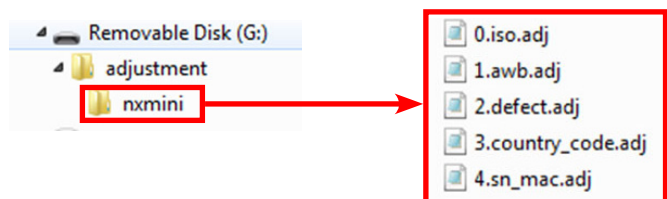
How to enter into the CS MENU the camera.

### <How to adjust>

1. Save the "Adjustment" folder and "nx\_cs.adj" file on micro SD card as follows.



2. In the Adjustment folder, there is "nxmini" folder and scripts in it.



3. With scripts, turn on the camera ,then the CS Menu starts about 2 seconds later.

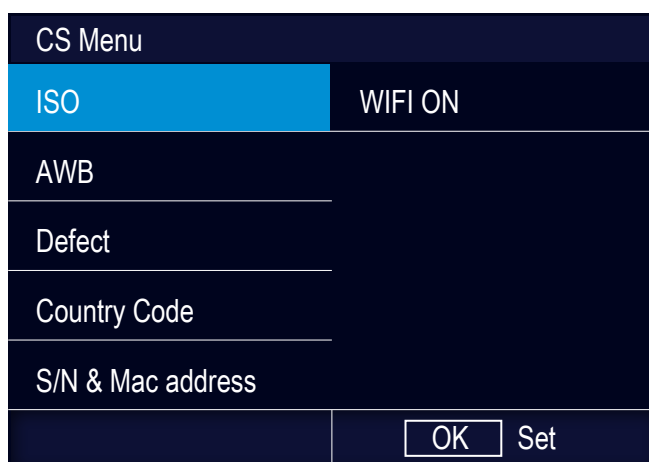


Fig. 8-1



## 8-3 ISO adjustment



This section describes how to proceed the adjust the ISO sensitivity of CIS sensor.

### <How to adjust>

#### 1. Required Equipment :

- LIGHT BOX (3200K, LV12), Master Lens

#### 2. Put the camera in front of Light source (under 1~2cm) with Master Lens.

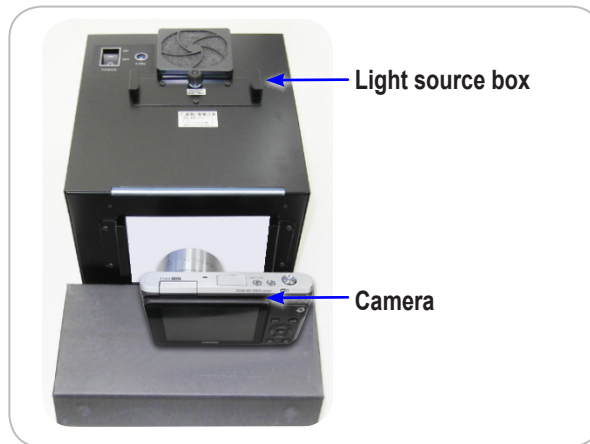


Fig. 8-2

#### 3. Trun on the Camera and select ISO menu.

#### 4. ISO Adjustment begins after touch start button.

#### 5. "ISO Adjustment SUCCESS!" is finish message.

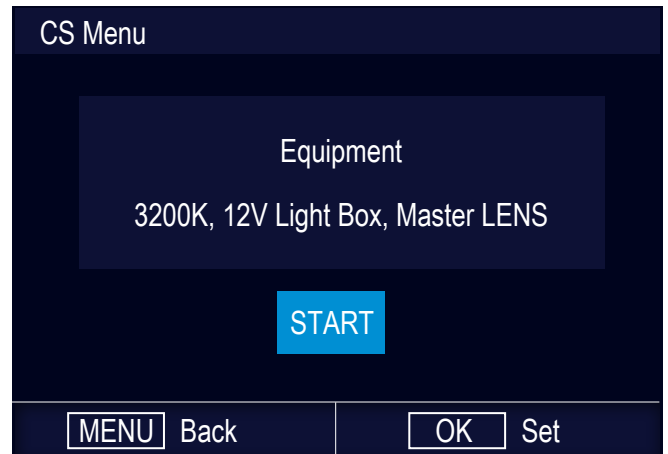
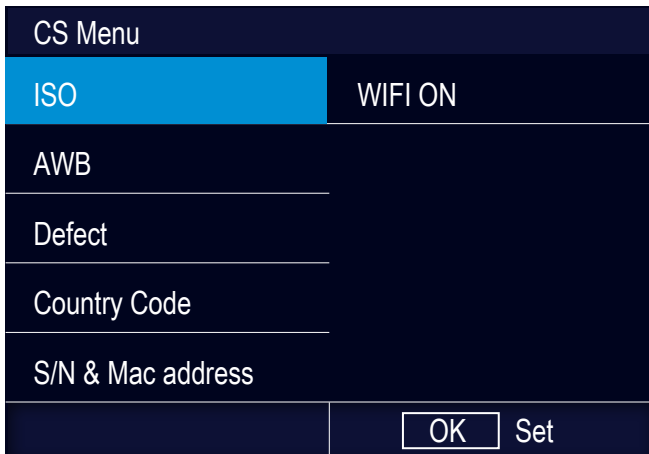


Fig. 8-3

## 8-4 AWB Adjustment



Photos Color (AWB) to adjust

### <How to adjust>

#### 1. Required Equipment :

- LIGHT BOX (3200K, LV12), Master Lens

#### 2. Put the camera in front of Light source (under 1~2cm) with Master Lens.

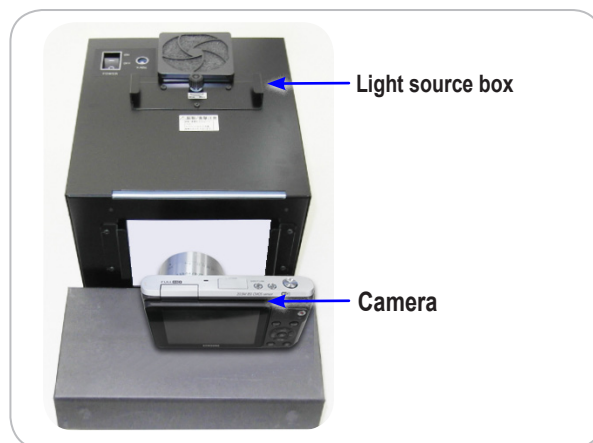


Fig. 8-4

#### 3. Turn on the Camera and select AWB menu.

#### 4. AWB Adjustment begins after touch start button.

#### 5. "AWB Adjustment SUCCESS!" is finish message.

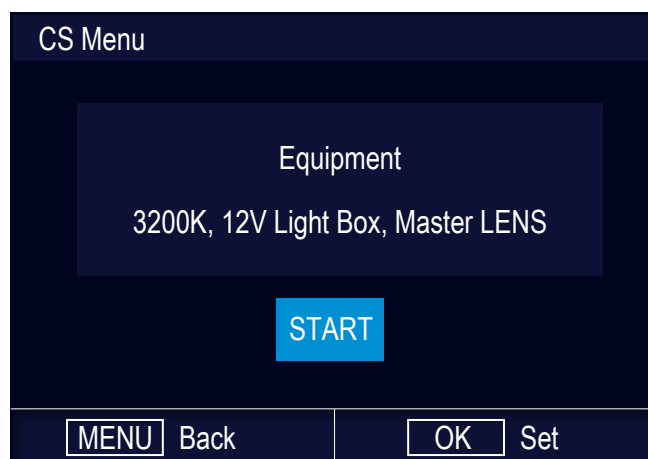
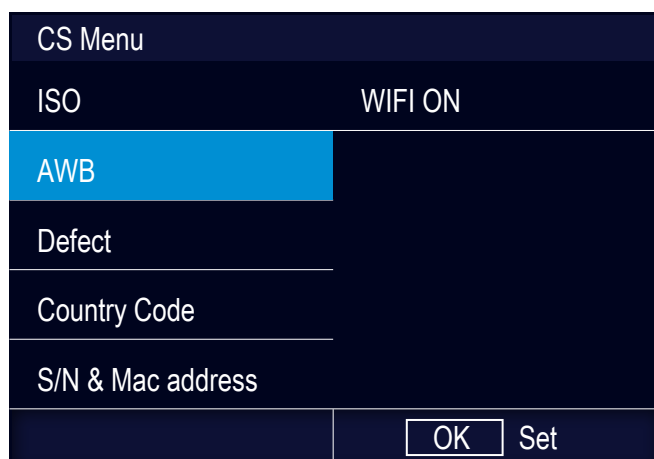


Fig. 8-5

## 8-5 CIS DEFECT PIXEL adjustment



This section describes how to proceed the adjust relating to defective pixels and vertical line noise according to the temperature of the CIS sensor.

### <How to adjust>

#### 1. Required Equipment : Mount Cap

#### 3. Use the Black Mount Cap.

- If the white Mount Cap is, will be blocked at the light by the black tape paste in front of the Mount Cap.



Fig. 8-6

#### 4. Turn on the Camera and select Defect menu.

#### 5. Defect Adjustment begins after touch start button.

#### 6. "Defect Adjustment SUCCESS!" is finish message.

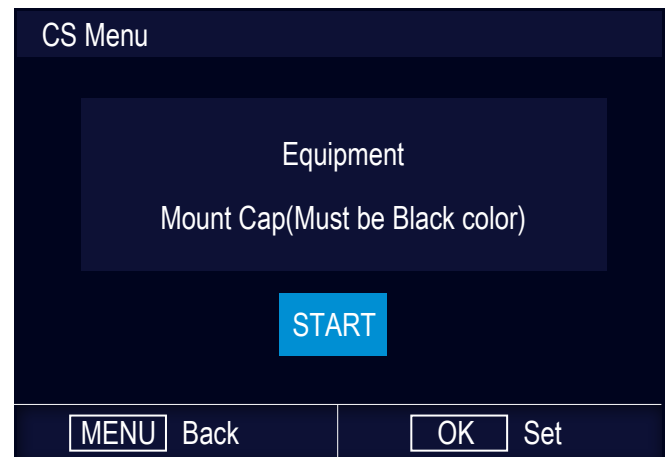
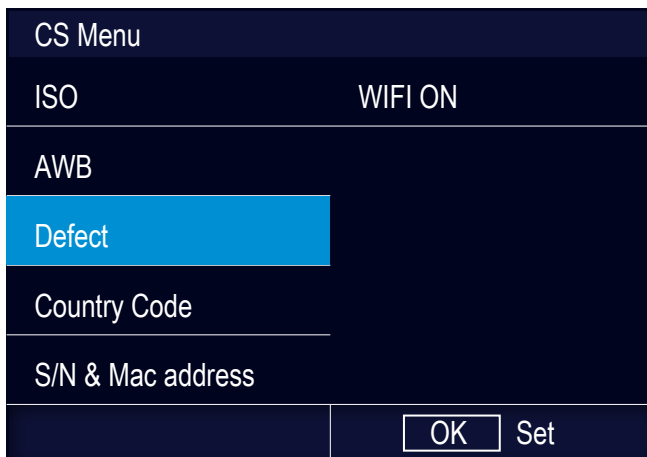


Fig. 8-7

## 8-6 Country Code Setting(Wi-Fi)

### <How to set>

#### 1. Open Scripts file and input country code as country code table.

- Country code, see page 8-12.

```
// change country_code :
//   sys_param shipment_country set [country_code]
//   ex. sys_param shipment_country set 55

start

osd clear

///// change here /////
sys_param shipment_country set 55
////////////////////////
```

Country Code  
EX>sys\_param shipment\_country set 55  
(korea code : 55)

#### 2. Turn on the Camera and select Country Code menu.

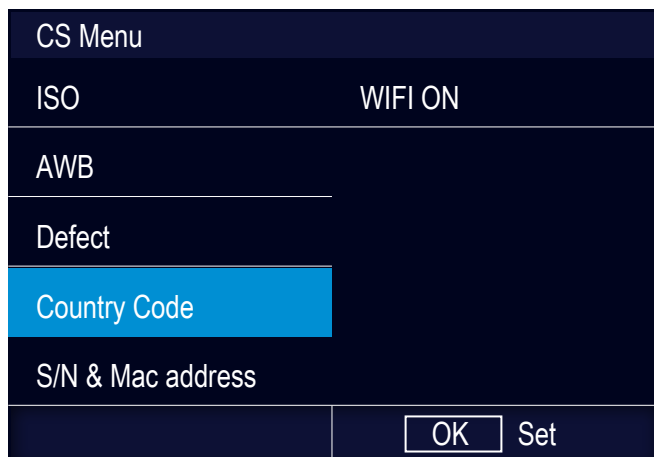


Fig. 8-8

#### 3. "Shipment Country Setting SUCCESS!" is finish message.

\* If the camera is not set region after replacing the Main PCB or is purchased from overseas, there are some issues as below.

- 1) User does not use SNS service country-specific.
- 2) Do not support multiple languages for display and input when using Wi-Fi.
- 3) Wi-Fi telecommunication speed may be down.



## 8-7 S/N, Mac address Setting

### <How to set>

#### 1. Open Scripts file and input serial number and Mac address.

```
// change S/N :
//   line_process product_number set [S/N]
//   ex. line_process product_number set h00000789
// change MAC Address:
//   adj_wifi addr_set [MAC Address: 12 digit hex number]
//   ex. adj_wifi addr_set 2014120108AA

start
osd clear

///// change here /////

line_process product_number set h00000789
adj_wifi addr_set 2014120108AA
//////////
```

#### 2. Turn on the Camera and select S/N & Mac address menu.

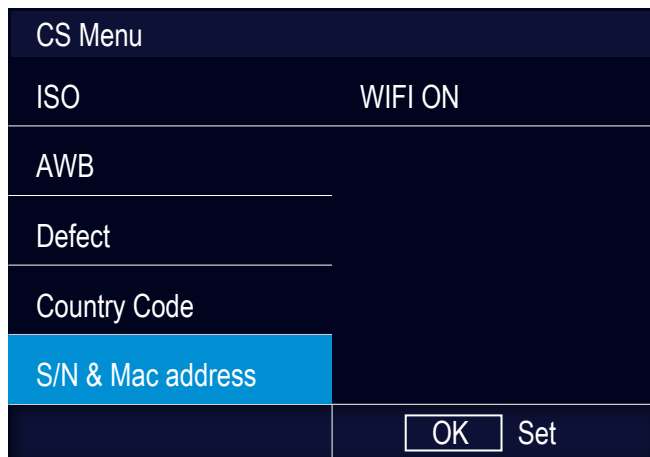


Fig. 8-9

#### 3. "S/N, MAC Address Setting SUCCESS!" is finish message.

\* When the original Mac address is gone and is changed to new one, please change SSID of NFC tag as new Mac address.

## 8-8 NFC Tag read/write

### <How to Write>

#### 1. Activate NFC Function in your Smartphone.

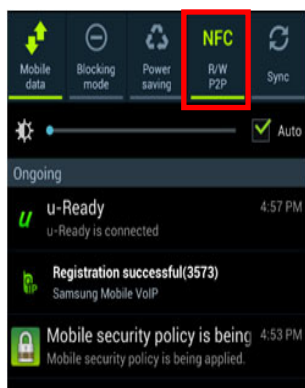


Fig. 8-10

#### 2. Download “CameraNFCWriter\_x.x.x.apk” to your Smart Phone and execute it.



Fig. 8-11

#### 3. Preview when execute NFCWriter Application Icon in Smart Phone.(0.8.2 version)

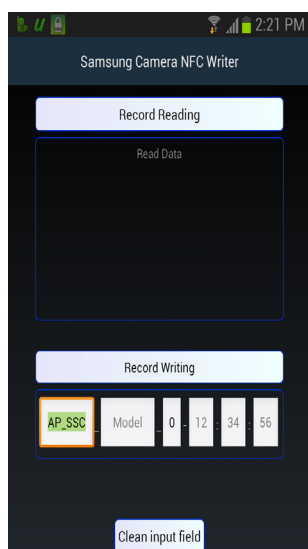


Fig. 8-12

#### 4. Check MAC address.

-Through the following path can be confirmed.

- 1 Touch MENU



Fig. 8-13

- 2 Touch  then Device Information.

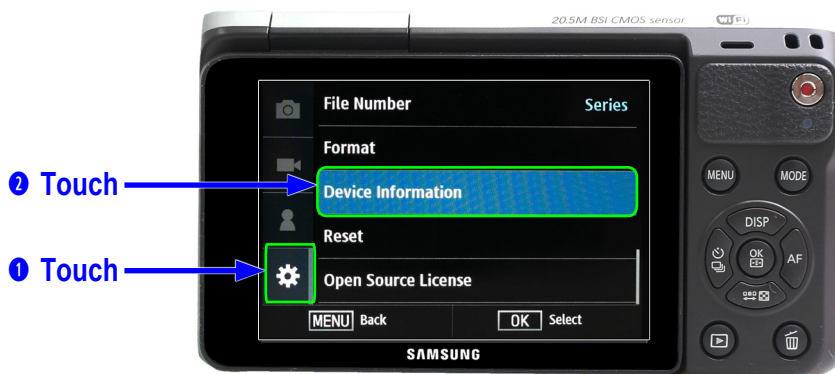


Fig. 8-14

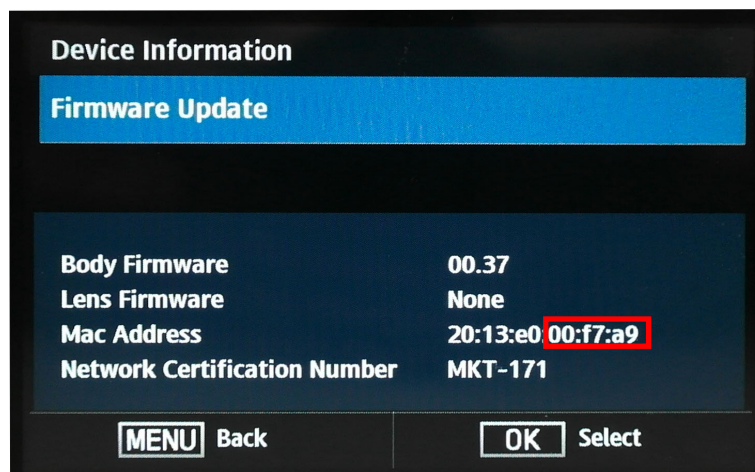
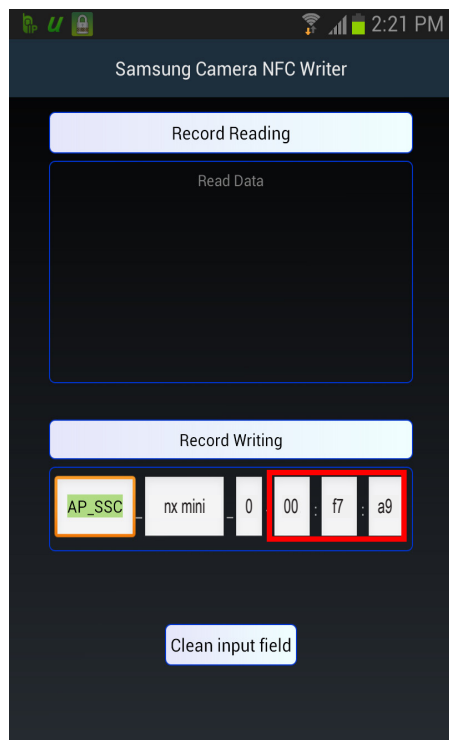
- 3 Check MAC address



Fig. 8-15

## 5. Write SSID.

- ❶ Insert model name on second block.
- ❷ On the last block, insert the 6 digits that are the last number of MAC address.



Write the Mac address of Camera to your Smartphone

※ Caution

- CameraNFCWriter\_0.8.0 version: ":" must be entered.

- CameraNFCWriter\_0.8.2 version: ":" Do not enter.

Fig. 8-16

- ❸ Touch Record Writing Tap.
- ❹ Touch the More than 1 second the NFC TAG of the Smartphone and NX mini.
- ❺ The message is shown "write success".

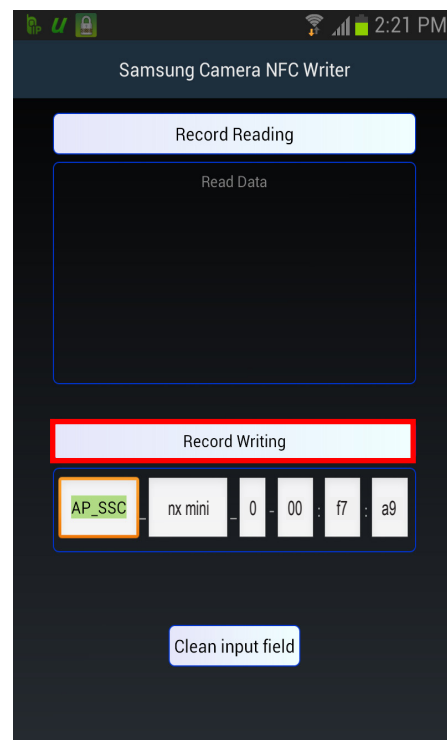


Fig. 8-17



## 5. Write SSID.

- ❶ Execute NFC Tag App.
- ❷ Select Record Reading.
- ❸ Contact NFC mark on camera at smart phone over 1 second.
- ❹ The message is shown "read success".
- ❺ Check that SSID is right or not.

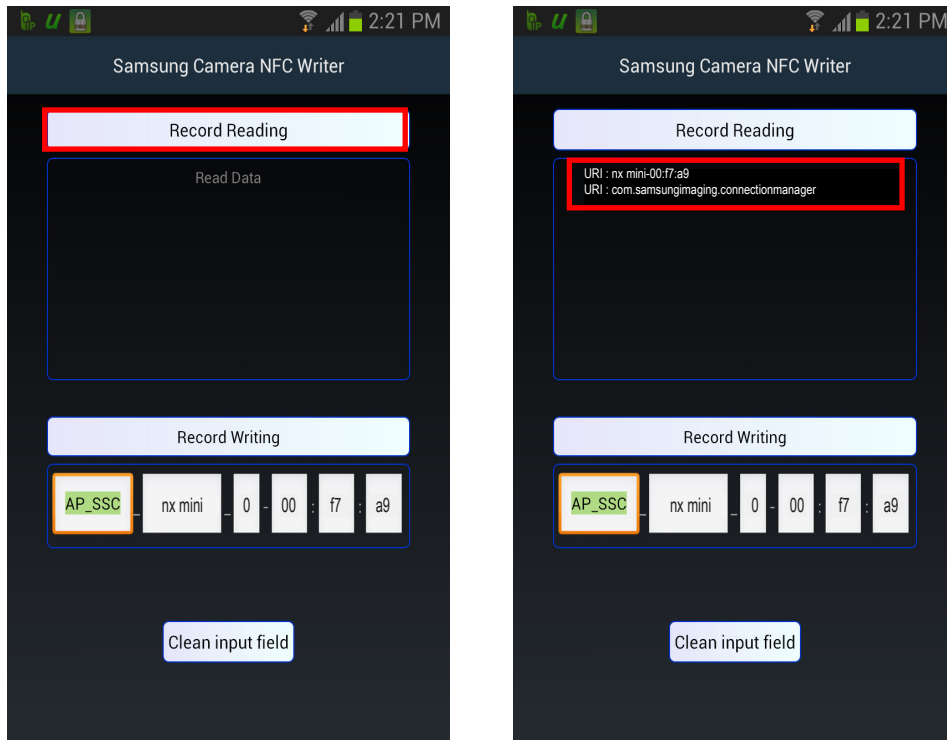


Fig. 8-18

### ※ MAC address missing (PCB is dead)

- ❶ Get the last 6 digits of MAC address from SSID. ( That is 00:F7:A9)
- ❷ The first 6 digits are A0:21:95 produced in '12, '13 & '14  
- MAC address => A0:21:95: 00:F7:A9

&lt;Table. 8-2 Country code&gt;

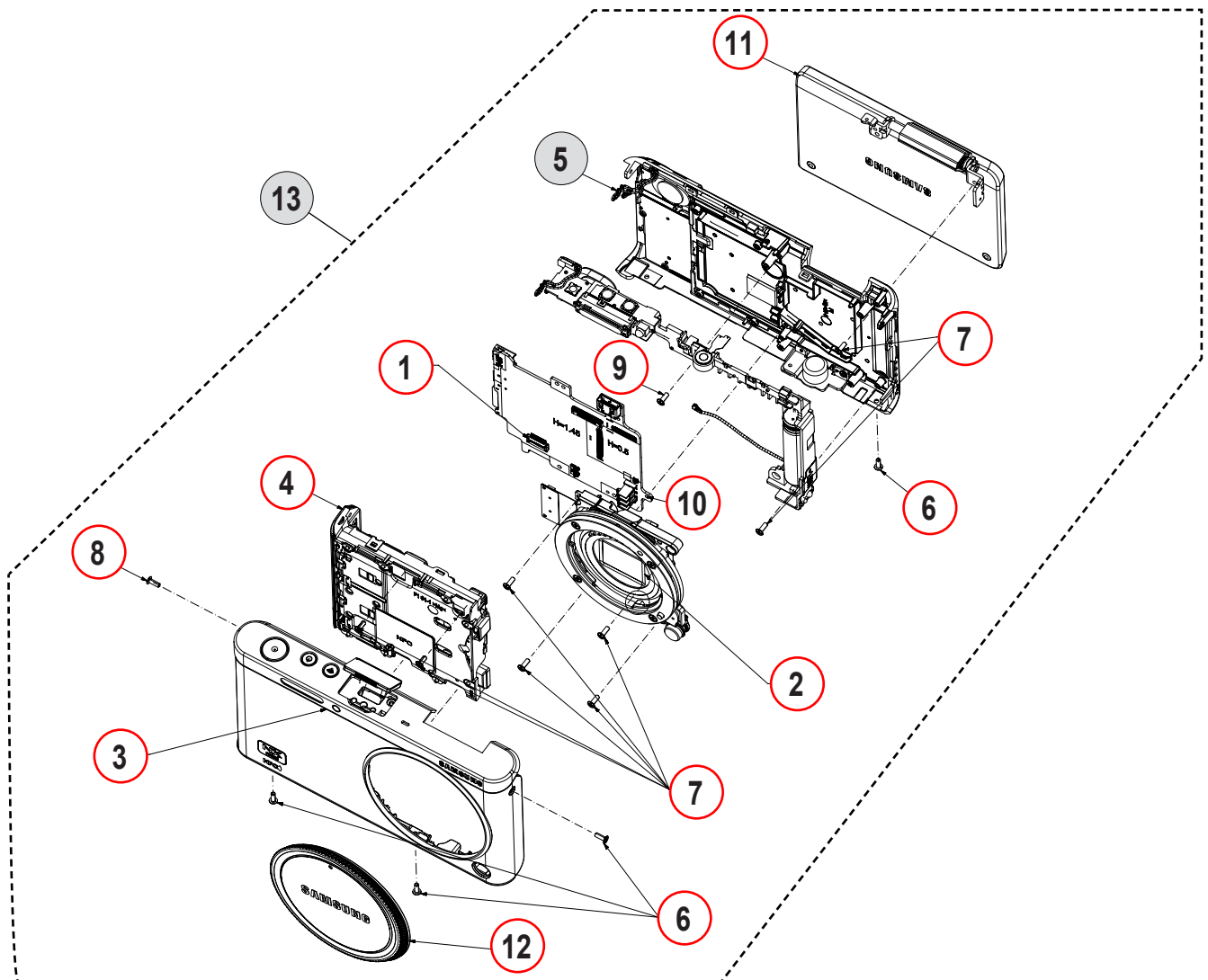
No.	Country	Cord	No.	Country	Cord	No.	Country	Cord
-	DEFAULT	---	47	IRAQ	047	94	SAUDI_ARABIA	094
1	AFGHANISTAN	001	48	ISRAEL	048	95	SEBJ	095
2	ALBANIA	002	49	ITALY	049	96	SECD	096
3	ALGERIA	003	50	IVORY COAST	050	97	SEGZ	097
4	ANGOLA	004	51	JAPAN	051	98	SENEGAL	098
5	ARGENTINA	005	52	JORDAN	052	99	Serbia	099
6	ARMENIA	006	53	KAZAKHSTAN	053	100	SESH	100
7	AUSTRALIA	007	54	KENYA	054	101	SESY	101
8	AUSTRIA	008	55	KOREA	055	102	SIEL(CALCUTTA)	102
9	AZERBAIJAN	009	56	Kyrgyzstan	056	103	SIEL(CHENNAI)	103
10	BANGLADESH	010	57	LAS_PALMAS	057	104	SIEL(DELHI)	104
11	BENIN	011	58	LATVIA	058	105	SIEL(MUMBAI)	105
12	BOSNIA ANDHERZEGOVINA	012	59	LEBANON	059	106	SIERRALEONE	106
13	BRAZIL	013	60	LIBERIA	060	107	SINGAPORE	107
14	BULGARIA	014	61	LIBYA	061	108	SINGER_SRI	108
15	BURKINA_FASO	015	62	MACEDONIA	062	109	SLOVAKIA	109
16	CAMEROON	016	63	MADAGASKAR	063	110	SLOVENIA	110
17	CANADA	017	64	MALAWI	064	111	SLOVENIA	111
18	CANARY	018	65	MALAYSIA	065	112	SOUTH_AFRICASPAIN	112
19	CAPEVERDE	019	66	MALI	066	113	SPAIN	113
20	CHILE	020	67	MAURITANIA	067	114	SRI_LANKA	114
21	CHINA	021	68	MAURITIUS	068	115	SRILANKA	115
22	COLOMBIA	022	69	MAYOTTE	069	116	SUDAN	116
23	CONGO	023	70	MEXICO	070	117	SWEDEN	117
24	CROATIA	024	71	MONGOLIA	071	118	SWITZERLAND	118
25	CYPRUS	025	72	MONTENEGRO	072	119	SYRIA	119
26	CZECHREPUBLIC	026	73	MOROCCO	073	120	TAIWAN	120
27	DENMARK	027	74	MOROCCO	074	121	TAJIKISTAN	121
28	DJIBOUTI	028	75	MYANMA	075	122	TANZANIA	122
29	EGYPT	029	76	NAMIBIA	076	123	THAILAND	123
30	ERITREA	030	77	NEPAL	077	124	TOGO	124
31	ETHIOPIA	031	78	NETHERLANDS	078	125	TUNISIA	125
32	FRANCE	032	79	NEW_ZEALAND	079	126	TURKEY	126
33	GABON	033	80	NIGERIA	080	127	TURKMENISTAN	127
34	GAMBIA	034	81	PAKISTAN	081	128	U.A.E	128
35	GEORGIA	035	82	PALESTINE	082	129	UGANDA	129
36	GERMANY	036	83	PALESTINE	083	130	UKRAINE	130
37	GHANA	037	84	PARAGUAY	084	131	UNITED_KINGDOM	131
38	Greece	038	85	PARAGUAY	085	132	UNITED_STATES	132
39	GSS_CO	039	86	PHILIPPINES	086	133	UNITEDARABEMIRATES	133
40	GUINEA	040	87	POLAND	087	134	URUGUAY	134
41	Guinea-Bissau	041	88	PORTUGAL	088	135	UZBEKISTAN	135
42	HONGKONG	042	89	REUNION	089	136	VIETNAM	136
43	HUNGARY	043	90	ROMANIA	090	137	YUGOSLAVIA	137
44	INDIA	044	91	RUSSIA	091	138	ZAMBIA	138
45	INDONESIA	045	92	RWANDA	092	139	ZIMBABWE	139
46	IRAN	046	93	SAMPLE	093			

## 9. Exploded view and parts list

### 9-1 BODY ASSEMBLY

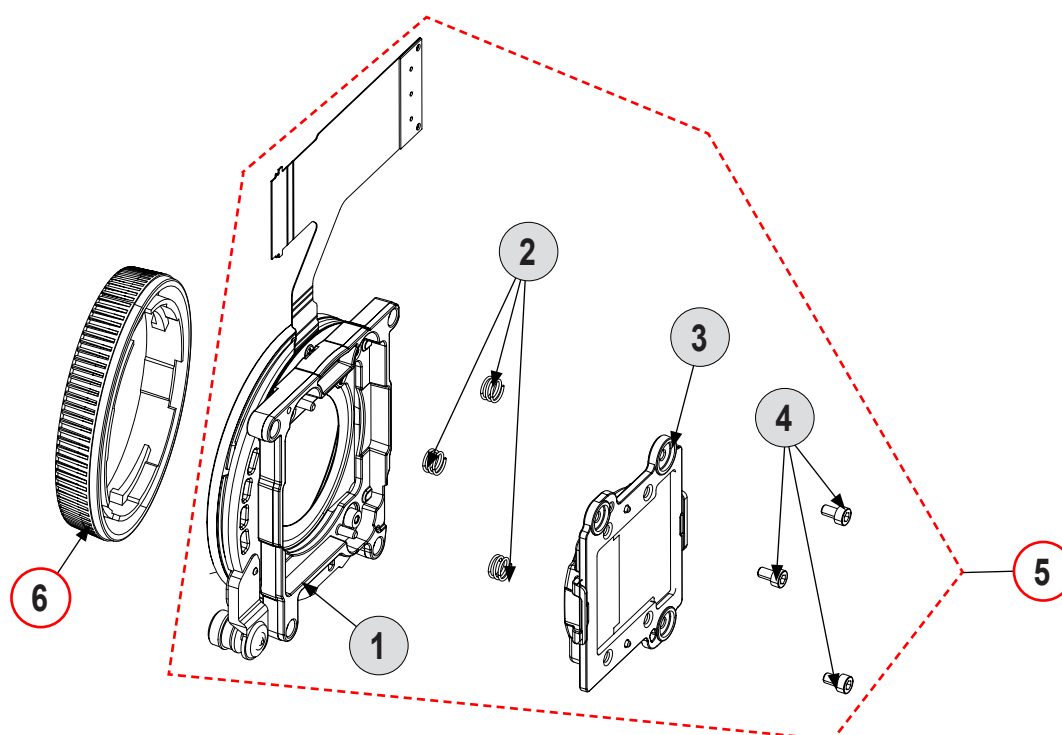


- The Exploded view and parts list is displayed the only code of the BASIC MODEL.
- Later on the parts codes and derived models may have changed, please refer to the Exploded View on GSPN site.



Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD92-02177A	ASSY PCB MAIN-NX_F1_MAIN;NX F1	1	O	
2	AD97-24015A	ASSY-MOUNT;F1,F1	1	O	
3	AD97-24147A	ASSY FRONT-F1_WH;CSC,F1,WHITE	1	O	
4	AD97-24148A	ASSY CHAMBER-F1_WH;F1,WHITE	1	O	
5	AD97-24162A	ASSY COVER BACK-F1_WH;F1,WHITE	1	X	
6	6001-002159	SCREW(1440_MA_SL)	5	O	
7	6001-002641	SCREW(1435_MA_SL)	10	O	
8	6001-002152	SCREW(1440_MA_BK)	1	O	
9	6001-002005	SCREW(1440_MA_SL_NYLOCK)	1	O	
10	6001-001811	SCREW 1430 MACHINE	1	O	
11	AD97-24151A	ASSY LCD	1	O	
12	AD67-02856A	CAP-MOUNT_F1_WH;F1	1	O	
13	AD90-05994A	ASSY BODY	1	X	

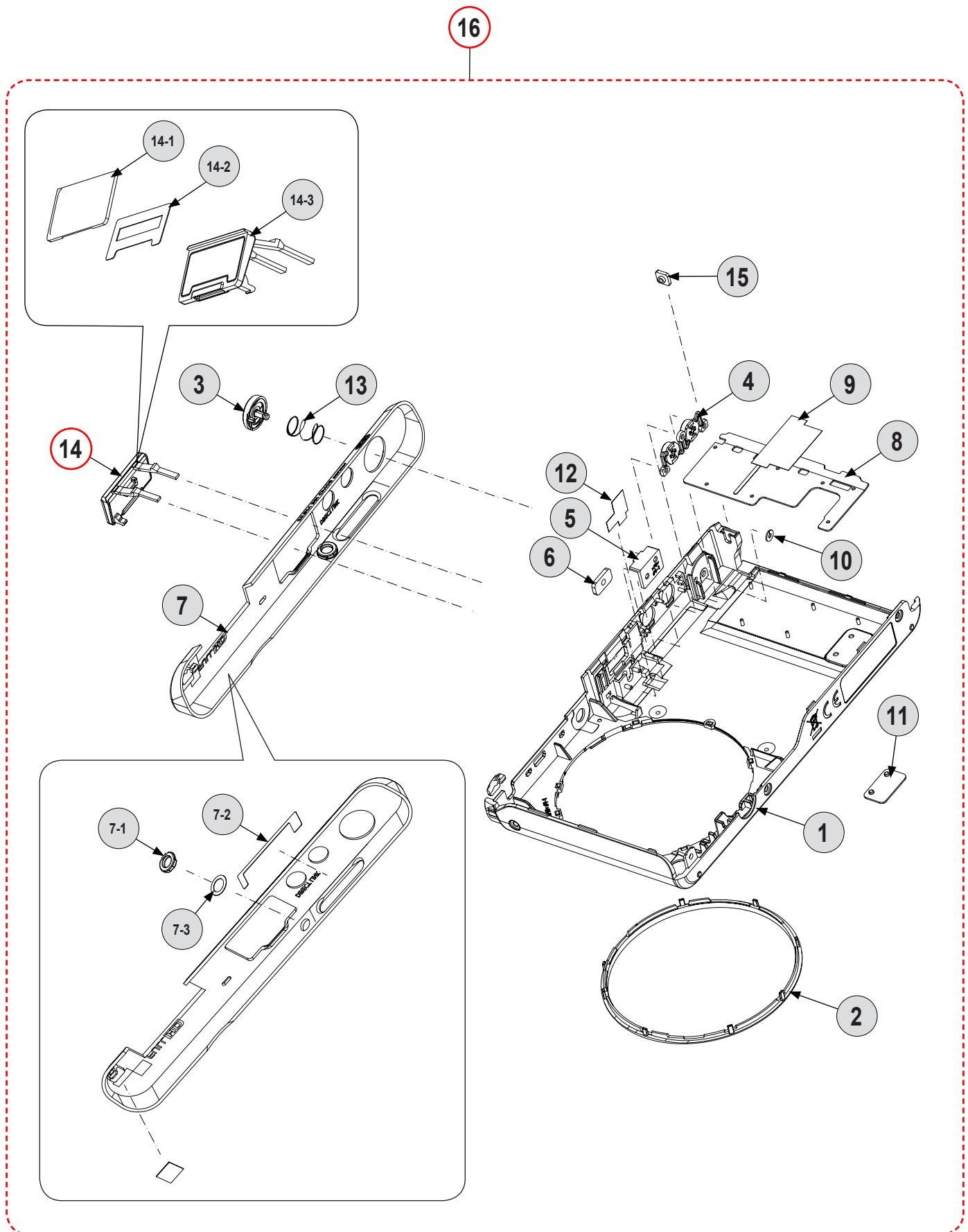
## 9-2 MOUNT ASSEMBLY



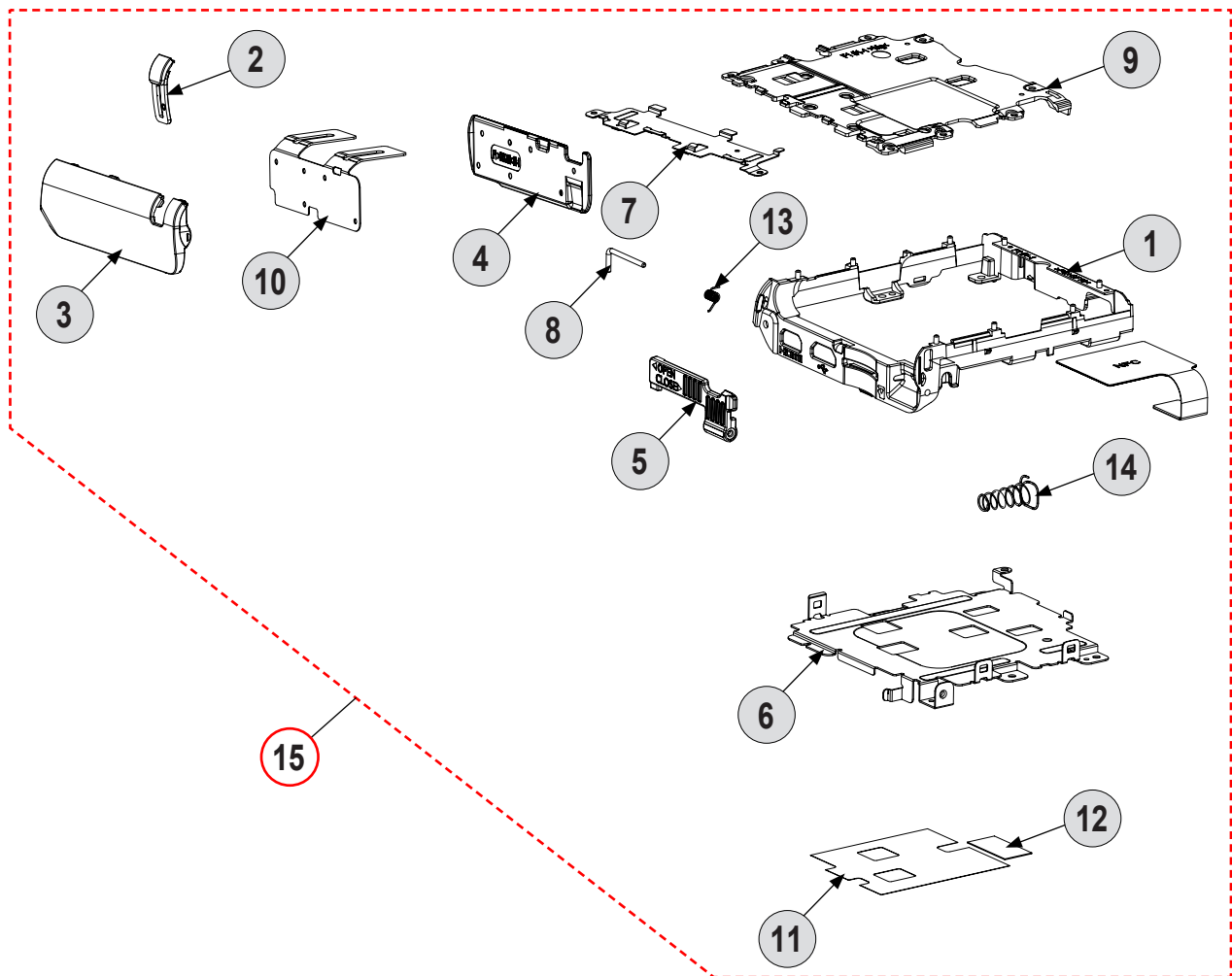
Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD97-23990A	ASSY-HOLDER MOUNT_F1_WH;F1,WHITE	1	X	
2	AD61-06213A	SPRING ETC-CMOS;F1,SUS 304	3	X	
3	AD97-23993A	ASSY-SUB SENSOR;F1	1	X	
4	6009-002010	SCREW-HEX;HEX,M1.4,L3.5,ZPC(BLK)	3	X	
5	AD97-24015A	ASSY-MOUNT;F1,F1	1	O	
6	AD67-02856A	CAP-MOUNT_F1_WH;F1	1	O	



# 9-3 FRONT ASSEMBLY

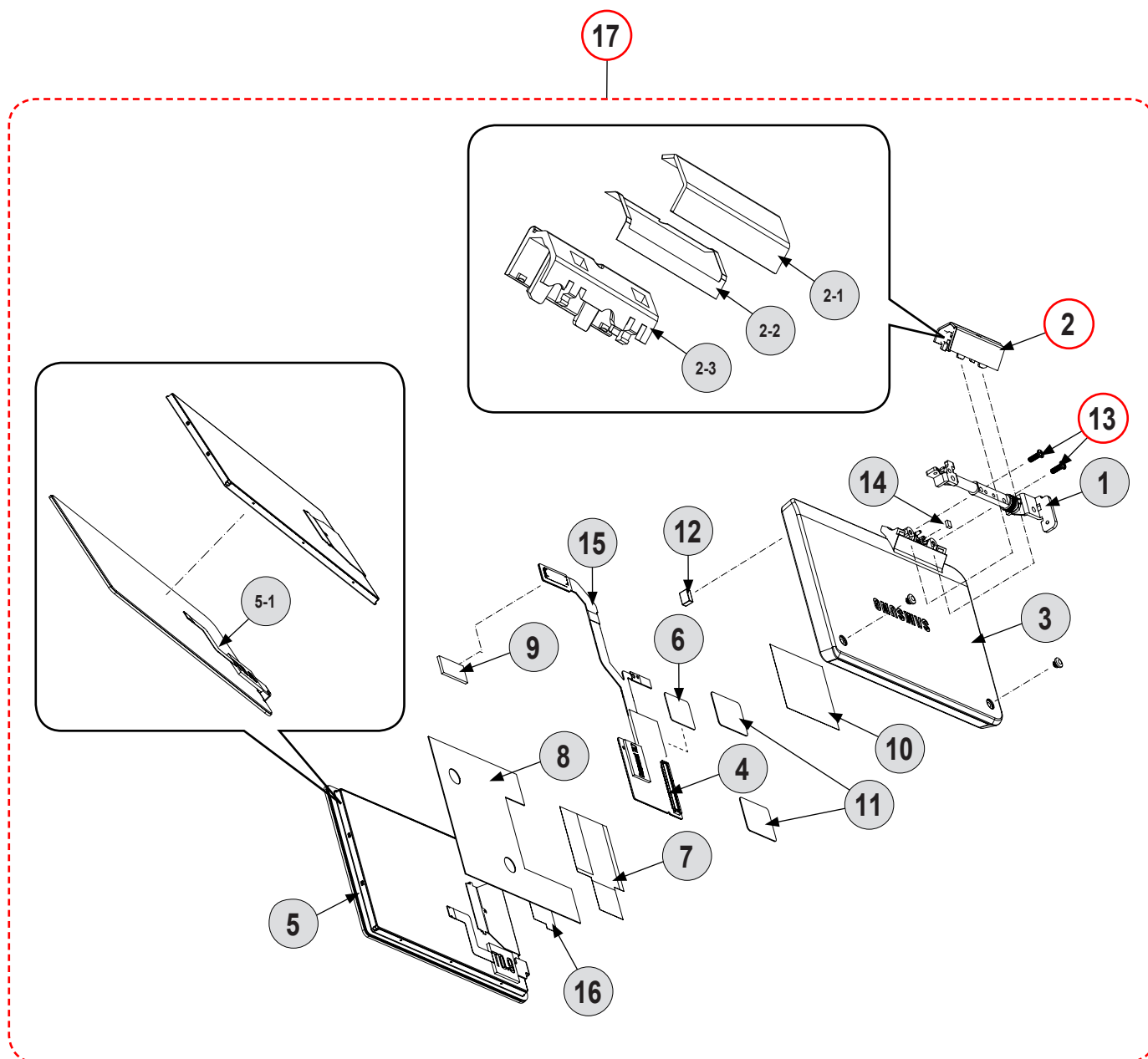


Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD63-07716A	COVER FRONT	1	X	
2	AD64-04039A	DECO RING	1	X	
3	AD64-04037A	BUTTON RELEASE	1	X	
4	AD64-04038A	BUTTON TOP	1	X	
5	AD63-07750A	COVER PLATE NUT	1	X	
6	AD61-06210A	PLATE EXTERNAL FLASH	1	X	
7	AD63-07719A	COVER TOP	1	X	
7-1	AD64-03607A	WINDOW AF	1	X	
7-2	AD63-07877A	SHEET STROBO	1	X	
7-3	AD63-07297A	T/SHEET WINDOW AF	1	X	
8	AD61-06303A	PLATE FRONT	1	X	
9	AD02-00167A	TAPE ETC CIS2	1	X	
10	6031-001628	WASHER PLAIN	1	X	
11	AD64-04033A	BADGE	1	X	
12	AD63-07881A	SHEET AF LED	1	X	
13	6107-001788	SPRING-CS-300M	1	X	
14	AD97-24306A	ASSY STROBO JACK	1	O	
14-1	AD64-04042A	DECO STROBO JACK	1	X	
14-2	AD63-07937A	T/SHEET STROBO JACK	1	X	
14-3	AD61-06368A	HOLDER STROBO JACK	1	X	
15	AD61-05920A	BRACKET NUT	1	X	
16	AD97-24147A	ASSY FRONT-F1	1	O	

**9-4 CHAMBER ASSEMBLY**

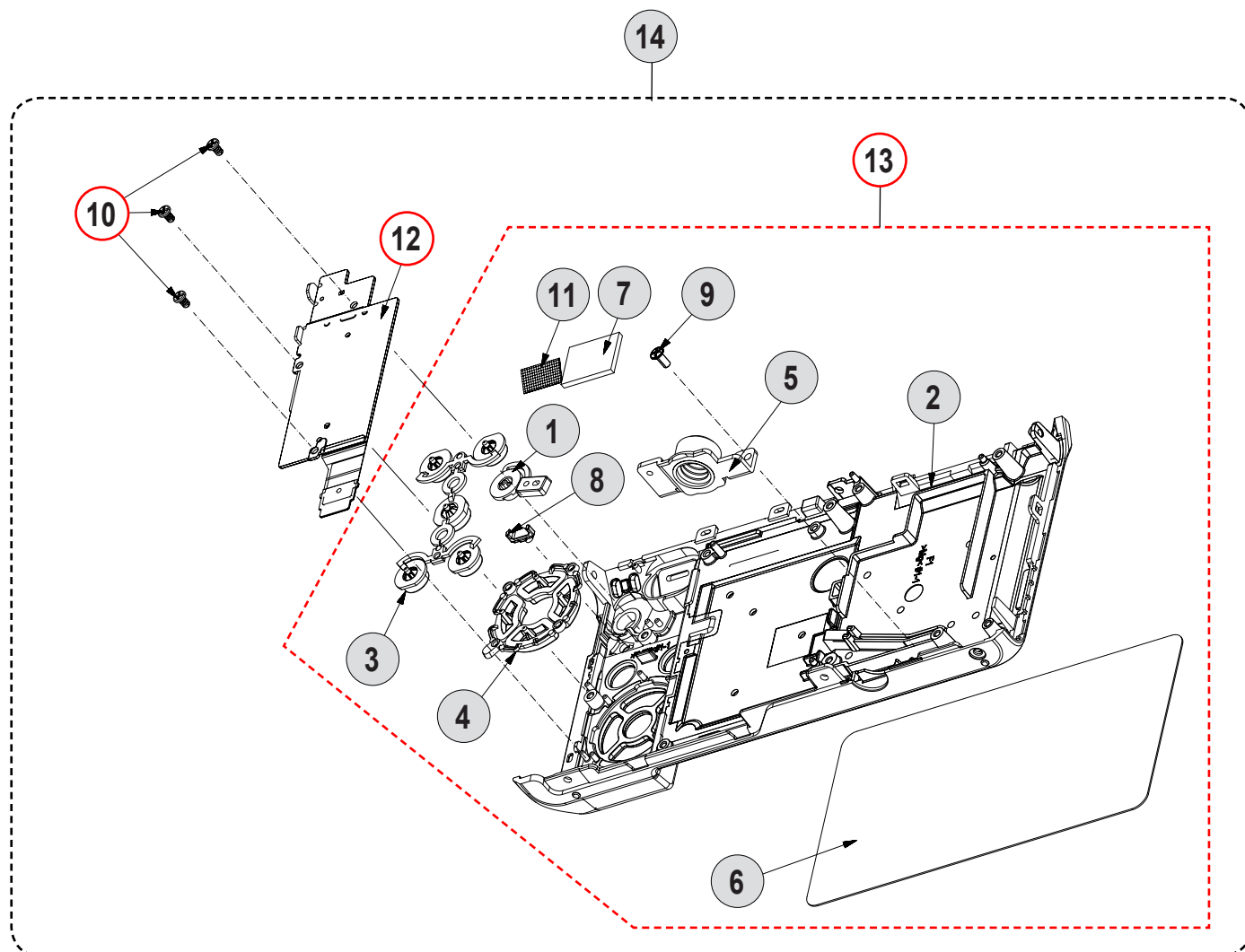
Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD61-06209A	HOLDER BATTERY	1	X	
2	AD63-07777A	COVER DUMMY BATTERY	1	X	
3	AD63-07715A	COVER BATTERY	1	X	
4	AD61-06204A	HOLDER COVER BATTERY	1	X	
5	AD64-04040A	KNOB LOCK BATTERY	1	X	
6	AD61-06197A	PLATE HOLDER BATTERY	1	X	
7	AD61-06278A	PLATE SHEET BATTERY	1	X	
8	AD66-01096A	SHAFT BATTERY LOCK	1	X	
9	AD61-06280A	BRACKET HOLER BATTERY	1	X	
10	AD63-07779A	SHEET COVER BATTERY	1	X	
11	AD63-07826A	SHEET PLATE BATTERY	1	X	
12	AD63-07946A	SHEET CUSHION CIS	1	X	
13	6107-002238	SPRING BATTERY COVER	1	X	
14	AD61-05823A	SPRING BATTERY PUSH	1	X	
15	AD97-24148A	ASSY CHAMBER	1	O	

## 9-5 LCD ASSEMBLY

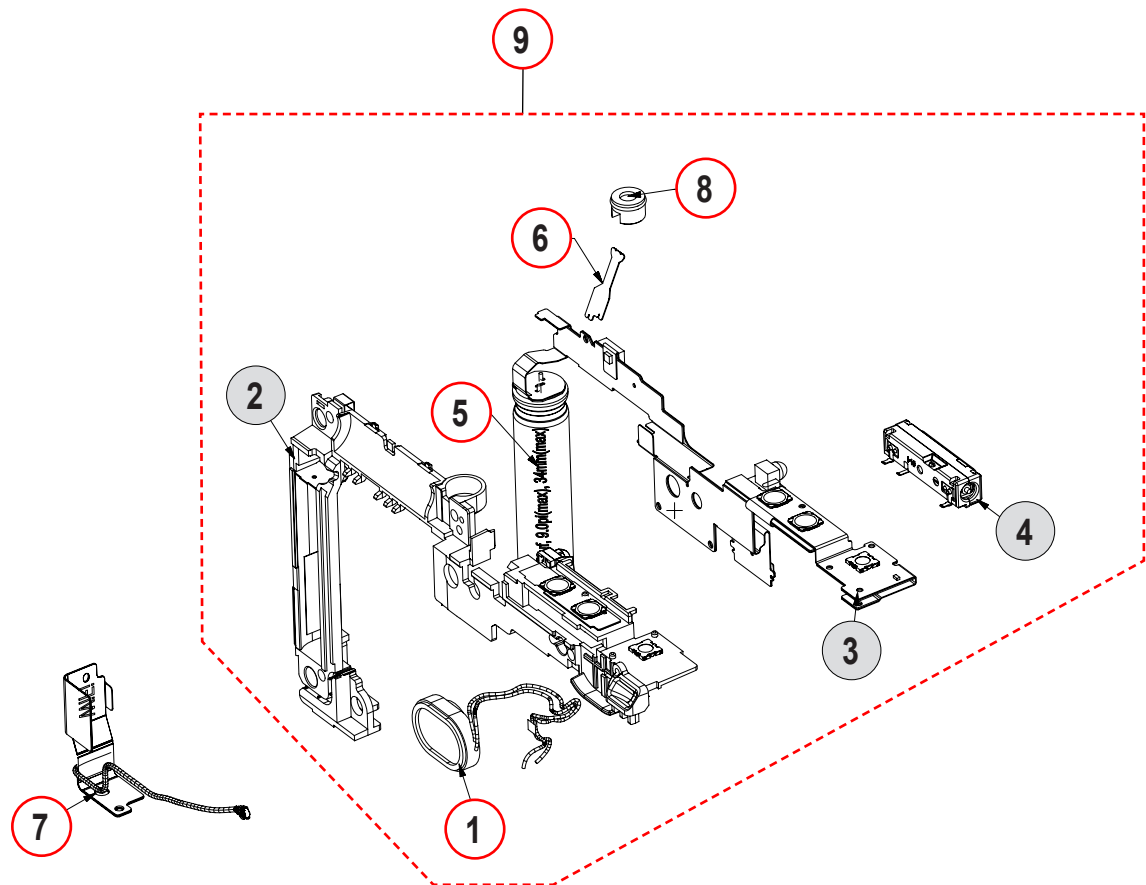


Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD97-23941A	ASSY HINGE	1	X	
2	AD97-24305A	ASSY COVER-HINGE	1	O	
2-1	AD64-04041A	DECO COVER-HINGE	1	X	
2-2	AD63-07878A	T/SHEET-COVER HINGE	1	X	
2-3	AD63-07717A	COVER-HINGE INNER	1	X	
3	AD63-07931A	COVER-LCD MG_NX MINI_WH;NX	1	X	
4	AD92-02181A	ASSY PCB LCD	1	X	
5	AD07-00186A	LCD;A030JAN01	1	X	
5-1	AD59-00235A	TOUCH/PANEL	1	X	
6	AD63-07816A	SHEET GROUND LCD	1	X	
7	AD63-07781A	T/SHEET HINGE FPC	1	X	
8	AD63-07879A	T/SHEET LCD PANEL A	1	X	
9	AD63-07897A	SHEET LCD CONNECTOR	1	X	
10	AD63-07938A	SHEET LCD BACK	1	X	
11	AD63-07880A	T/SHEET LCD PANEL B	2	X	
12	AD61-06288A	MAGNET OPEN	1	X	
13	6001-002005	SCREW 1440 MACHINE_SL	2	O	
14	AD61-05436A	MAGNET ROTATE	1	X	
15	AD41-02050A	FPC-LCD_HINGE;F1 LCD	1	X	
16	AD02-00167A	TAPE ETC CIS2	1	X	
17	AD97-24151A	ASSY LCD	1	O	



**9-6 BACK ASSEMBLY**

Loc. No	Parts No.	Description	Q ty	Available	Remark
1	AD64-04091A	BUTTON REC	1	X	
2	AD63-07712E	COVER BACK	1	X	
3	AD64-04035E	BUTTON FUNCTION	1	X	
4	AD64-04034E	BUTTON BACK	1	X	
5	AD61-06203A	HOLDER TRIPOD	1	X	
6	AD63-07780E	SHEET BACK	1	X	
7	AD63-07829A	CUSHION PCB	1	X	
8	AD64-03857A	WINDOW ACCESS LAMP	1	X	
9	6001-001811	SCREW 1430 MACHINE	1	X	
10	6003-001674	TAP 1425	3	O	
11	AD63-06857A	MESH SPEAKER	1	X	
12	AD92-02163A	ASSY PCB KEY	1	O	
13	AD97-24304A	ASSY COVER BACK SUB	1	O	
14	AD97-24162A	ASSY COVER BACK	1	X	

**9-7 TOP ASSEMBLY**

Loc. No	Parts No.	Description	Q ty	Available	Remark
1	3001-002641	SPEAKER	1	O	
2	AD61-06207A	HOLDER-TOP-F1_BK;F1,PC,BLACK	1	X	
3	AD92-02178A	ASSY PCB TOP-NX_F1_TOP;NX F1	1	X	
4	AD97-21489A	ASSY-FLASH MODULE;ST800	1	X	
5	2401-004886	CONDENSER	1	O	
6	3003-001198	MIC-CONDENSER	1	O	
7	AD42-00063A	ASSY WIFI ANTENNA	1	O	
8	AD67-02581A	RUBBER-MIC	1	O	
9	AD97-24150A	ASSY TOP	1	O	



Area	Web Site
Europe, MENA, CIS, Africa	<a href="https://gspn1.samsungcsportal.com">https://gspn1.samsungcsportal.com</a>
E.Asia, W.Asia, China, Japan	<a href="https://gspn2.samsungcsportal.com">https://gspn2.samsungcsportal.com</a>
N.America, S.America	<a href="https://gspn3.samsungcsportal.com">https://gspn3.samsungcsportal.com</a>

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