



DIGITAL CAMERA

NX300

SERVICE

Manual

DIGITAL CAMERA

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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.

(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	Not applicable
Pouch for camera	
Cable	

(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	
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	Repair charges
	Applicable to repair	Problem occurred twice due to same malfunction	Free of charge	
		Problem occurred three times due to same malfunction	Replace the product or refund	Repair charges
		Problem occurred four 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 10% of depreciation		
Failing to perform or failing to function properly as a result of willful intent and negligence of customer	Applicable repair		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

1-3 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>

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.

2. Product specifications

2-1 Specifications

Image Sensor	
Type(size)	CMOS(23.5 X 15.7mm)
Effective/ Total pixels	Approx. 20.3 mega-pixels/ Approx. 21.6 mega-pixels
Lens Mount	
Type/ Available lens	Samsung NX Mount/ Samsung lenses
Image Stabilization	
Type/ Mode	Lens shift (depends on lens)/ Off/Mode 1/Mode 2
i-Function	
① depth, ① zoom (X1.2, 1.4, 1.7, 2.0)	
Dust Reduction	
Type	Super sonic drive
Display	
Type/ Size	AMOLED with Touch Panel (C-type Touch Control Enabled) 3.31" (Approx. 84.0 mm)
Resolution	WVGA (800X480) 768 k dots (PenTile)
Shutter	
Type	Electronically controlled vertical-run focal plane shutter
Speed	<ul style="list-style-type: none"> • Auto: 1/6,000–30 sec. • Manual: 1/6,000–30 sec. (1/3 EV Step) • Bulb (time limit: 4 min)
Flash	
Type	External Flash (Bundle with SEF8A)
Angle of view	28mm (35mm film equivalent)
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
Storage	
External memory (optional): SD card, SDHC card, SDXC card, UHS-1 card (Class 6 and above recommended)	
GPS	
Type	Geo-tagging with an optional GPS Module (WGS 84)
Feature	Location name (English and Korean only)
Wireless network	
Function	MobileLink, Remote Viewfinder, Auto Backup, Email, SNS & Cloud, AllShare Play, AutoShare, Wi-Fi Direct
Interface	
Digital output	USB 2.0 (micro USB jack)
Video output	NTSC, PAL (selectable) HDMI 1.4a
Power Source	
Type	Rechargeable battery: BP1130 (1130 mAh)
Dimensions (W X H X D)	
122 X 63.7 X 40.7 mm (without protrusions)	
Weight	
284 g (without battery and memory card)	

2-2 Product comparison

Spec	Model	NX300	NX200
Image			
Image Sensor		23.5 X 15.7 mm CMOS	23.5 X 15.7 mm CMOS
Effective Pixels		Approx. 20.3 mega-pixels	Approx. 20.3 mega-pixels
Total Pixels		Approx. 21.6 mega-pixels	Approx. 21.6 mega-pixels
Weight		284 g (without battery and memory card)	220.4g (without battery and memory card)
Dimensions (W X H X D)		122 X 63.7 X 40.7 mm (without protrusions)	116.5 X 62.5 X 36.6 mm (without protrusions)
Display		AMOLED with Touch Panel (C-type Touch Control Enabled) 3.31" (Approx. 84.0 mm)	AMOLED 3.0" (Approx. 7.6 cm)
Focusing		Phase Detection & Contrast AF	Contrast AF
Angle of View		28 mm (35 mm film equivalent)	28 mm (35 mm film equivalent))
Shutter Speed		- Auto: 1/6,000–30 sec. - Manual: 1/6,000–30 sec. (1/3 EV Step) - Bulb (time limit: 4 min)	- Auto: 1/4000-30 sec. - Manual: 1/4000-30 sec. (1/3 EV Step) - Bulb (time limit: 4 min)
ISO		- 1 Step: Auto, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200, ISO 6400, ISO 12800, ISO 25600 - 1/3 Step: Auto, ISO 100, ISO 125, ISO 160, ISO 200, ISO 250, ISO 320, ISO 400, ISO 500, ISO 640, ISO 800, ISO 1000, ISO 1250, ISO 1600, ISO 2000, ISO 2500, ISO 3200, ISO 4000, ISO 5000, ISO 6400, ISO 8000, ISO 10000, ISO 12800, ISO 25600	-1 Step: Auto, ISO 100, ISO 200, ISO 400, ISO 800, ISO 1600, ISO 3200, ISO 6400, ISO 12800 -1/3 Step: Auto, ISO 100, ISO 125, ISO 160, ISO 200, ISO 250, ISO 320, ISO 400, ISO 500, ISO 640, ISO 800, ISO 1000, ISO 1250, ISO 1600, ISO 2000, ISO 2500, ISO 3200, ISO 4000, ISO 5000, ISO 6400, ISO 8000, ISO 10000, 12800
Storage		External memory (optional): SD card, SDHC card, SDXC card, UHS-1 card (Class 6 and above recommended)	External memory (optional): SD card , SDHC card, SDXC card
Image Stabilization		Lens shift (depends on lens)	Lens shift (depends on lens)
Power Source		Rechargeable battery: BP1130 (1130 mAh)	Rechargeable battery: BP1030 (1030 mAh)
Wireless Network		MobileLink , Remote Viewfinder , Auto Backup , Email , SNS & Cloud , AllShare Play , AutoShare , Wi-Fi Direct	-

* This specifications can change without notice to upgrade a performance.

2-3 Accessories information

- The illustrations may differ from your actual items.
- You can purchase optional accessories at a retailer or a Samsung service center. Samsung is not responsible for any problems caused by using unauthorized accessories.

Image	Description		Part No.	
	Camera (including the body cap and hot-shoe cover)		NX300	
	External flash	Black	AD97-21562A	
		Pink	AD97-21562D	
		White	AD97-21562C	
	Rechargeable Battery		AD43-00206A	
	Software CD-ROM (User manual included)		AD46-00443A	
	Adobe Photoshop Lightroom DVD-ROM		service does not apply	
	Strap	Black	AD63-07021A	
		Pink	AD63-07021C	
		White	AD63-07021B	
	USB CABEL	CB5MU05E	AD39-00190A	
		CB5MU05E_WH	AD39-00202A	
	Description	Part No.	Description	Part No.
	ETA0U81EBE_EU	GH44-02412A	ETA0U80HWE_AUS	GH44-02373C
	ET0U81EWE_EU	GH44-02412B	ETA0U80BBB_BRA	GH44-02344C
	ETA0U61JBE_USA	GH44-02389A	ETA0U80BWB_BRA	GH44-02344G
	ETA0U61JWE_USA	GH44-02389D	ETA0U82CBC_CHI	GH44-02413B
	ETA0U71XBE_UK	GH44-02328C	ETA0U82CWC_CHI	GH44-02444A
	EIA-U100BE_UK	3721-001187	ETA0U80IBE_IND	GH44-02349A
	ET0U71XWE_UK	GH44-02382E	ETA0U80WEIND	GH44-02349C
	EIA-U100WE_UK	3721-001236	ETA0U80RBS_ARG	GH44-02374A
	ETA0U80HBE_AUS	GH44-02373A	ETA0U80RWS_ARG	GH44-02374C
	Description	Part No.	Description	Part No.
	NX300_QSG_S.CHI	AD68-07820A	NX300_QSG_PER	AD68-07835A
	NX300_QSG_ENG	AD68-07821A	NX300_QSG_NOR	AD68-07836A
	NX300_QSG_GER	AD68-07822A	NX300_QSG_POR	AD68-07837A
	NX300_QSG_FRA	AD68-07823A	NX300_QSG_SLO	AD68-07838A
	NX300_QSG_SPA	AD68-07824A	NX300_QSG_SLV	AD68-07839A
	NX300_QSG_DUT	AD68-07825A	NX300_QSG_TUR	AD68-07840A
	NX300_QSG_ITA	AD68-07826A	NX300_QSG_UKR	AD68-07841A
	NX300_QSG_RUS	AD68-07827A	NX300_QSG_POL	AD68-07842A
	NX300_QSG_SWE	AD68-07828A	NX300_QSG_RUM	AD68-07843A
	NX300_QSG_DAN	AD68-07829A	NX300_QSG_ENG(SEA)	AD68-07844A
	NX300_QSG_BUL	AD68-07830A	NX300_QSG_SPA(SEA)	AD68-07845A
	NX300_QSG_CZE	AD68-07831A	NX300_QSG_T.CHI	AD68-07846A
	NX300_QSG_ARA	AD68-07832A	NX300_QSG_GRE	AD68-07847A
	NX300_QSG_FIN	AD68-07833A	NX300_QSG_THA	AD68-07848A
	NX300_QSG_HUN	AD68-07834A	NX300_QSG_HEB	AD68-07849A

* This page is Optional accessories .

	Image	Description	Model name	Note
		Rechargeable Battery	ED-BP1130	
		Battery charger	ED-BC3NX01	
		Camera Case	ED-CJNX300N	
		Mike	ED-EM10	
		Rmote Switch	ED-SR2NX02	
		Flash	ED-SEF220A	
		K Mount adapter	ED-MA9NXK/KR	
Optional accessories		PROTECTOR	ED-LF405PT/KR	compatibility lens(2050)
			ED-LF43PT/KR	compatibility lens(30, 45, 16, 20)
			ED-LF52PT/KR	compatibility lens(60, 50200)
			ED-LF58PT/KR	compatibility lens(1855, 1224)
			ED-LF67PT/KR	compatibility lens(18200, 85)
		ND Filter	ED-LF405ND4/KR	compatibility lens(2050)
			ED-LF43ND4/KR	compatibility lens(30, 45, 16, 20)
			ED-LF52ND4/KR	compatibility lens(60, 50200)
			ED-LF58ND4/KR	compatibility lens(1855, 1224)
		CPL Filter	ED-LF43PL/KR	compatibility lens(30, 45, 16, 20)
			ED-LF52PL/KR	compatibility lens(60, 50200)
			ED-LF58PL/KR	compatibility lens(1855, 1224)
	CABLE (USB+C)	EA-CB5MU05E		
	CABLE (HDMI)	EA-CBHD10D		

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 SD card.

2 GB SD card:

	Size		Quality						
			Super Fine	Fine	Normal	RAW	RAW + S.Fine	RAW + Fine	RAW + Normal
Photo	20.0M	5472X3648	151	179	218	69	47	49	52
	10.1M	3888X2592	276	321	384	-	62	64	66
	5.9M	2976X1984	423	484	565	-	71	72	74
	2.0M	1728X1152	845	923	1016	-	82	83	84
	Burst		479	545	631	-	-	-	-
	16.9M	5472X3080	177	208	252	-	51	53	56
	7.8M	3712X2088	343	396	467	-	66	68	70
	4.9M	2944X1656	487	553	640	-	74	75	76
	2.1M	1920X1080	827	905	999	-	82	83	84
	13.3M	3648X3648	218	255	307	-	56	58	61
	7.0M	2640X2640	373	429	504	-	68	70	72
	4.0M	2000X2000	559	630	721	-	76	77	78
	1.1M	1024X1024	1111	1180	1258	-	86	86	87

	Size		Quality	
			HQ	Normal
Video	1080 60P	1920X1080 (60 fps)	Approx. 10' 10"	Approx. 12' 43"
	1080 30P	1920X1080 (30 fps)	Approx. 17' 41"	Approx. 22' 09"
	1080 15P *	1920X1080 (15 fps)	Approx. 23' 38"	Approx. 29' 24"
	810 24P	1920X810 (24 fps)	Approx. 21' 35"	Approx. 27' 02"
	720 60P	1280X720 (60 fps)	Approx. 16' 51"	Approx. 21' 06"
	720 30P	1280X720 (30 fps)	Approx. 29' 11"	Approx. 36' 35"
	480 30P	640X480 (30 fps)	Approx. 120' 47"	Approx. 153' 30"
	240 30P	For Sharing (30 fps)	Approx. 218' 48"	Approx. 278' 24"

- **1080 15P** * is available only with some Smart Filter options.
- 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

Battery specifications

Item	Description
Model	BP1130
Type	Lithium-ion battery
Cell capacity	1130 mAh
Voltage	7.6 V
Charging time (When the battery is completely discharged)	Approx. 210 min

Battery life

Shooting mode	Average time / Number of photos
Photos	Approx. 175 min/Approx. 350 photos
Videos	Approx. 110 min (Record videos at 1920X1080 resolution and 60 fps.)

- The figures above are based on Samsung's test standards. Your results may differ depending on your actual usage.
- Available shooting time differs depending on background, shooting interval, and use conditions.
- Several videos were recorded in succession to determine the total recording time.

3. Disassembly and reassembly

3-1 Disassembly

- We provide the general support.
: Samsung Authorized Service Center will provide courteous service on Samsung products for which they are authorized.
- We provide the technical expertise support.
: After replacing the parts such as Main PBA, CMOS, Shutter, Mount, it is required to adjust these parts with the equipment specified below.

For more detail information, refer to chapter 8 Adjustment.

<Table 3-1>

Repair Service	Part	Items to be adjusted	Required equipment
General support	LCD, Back-Cover, Top	-	-
Technical expertise support	LENS Mount, Front-Cover	CMOS Tilt	CMOS-Tilt equipment Shutter speed equipment Light box (5500K) Light box (3200K)
	ASSY-CMOS	CMOS Tilt, AWB etc. (Light box)	
	Shutter	Shutter Speed	
	MAIN PBA	AWB etc. (Light box)	

3-1-1 General support - Disassembly

- Remove the **1 screw** on the left side, **2 screws** on the right side and **5 screws** on the bottom side.

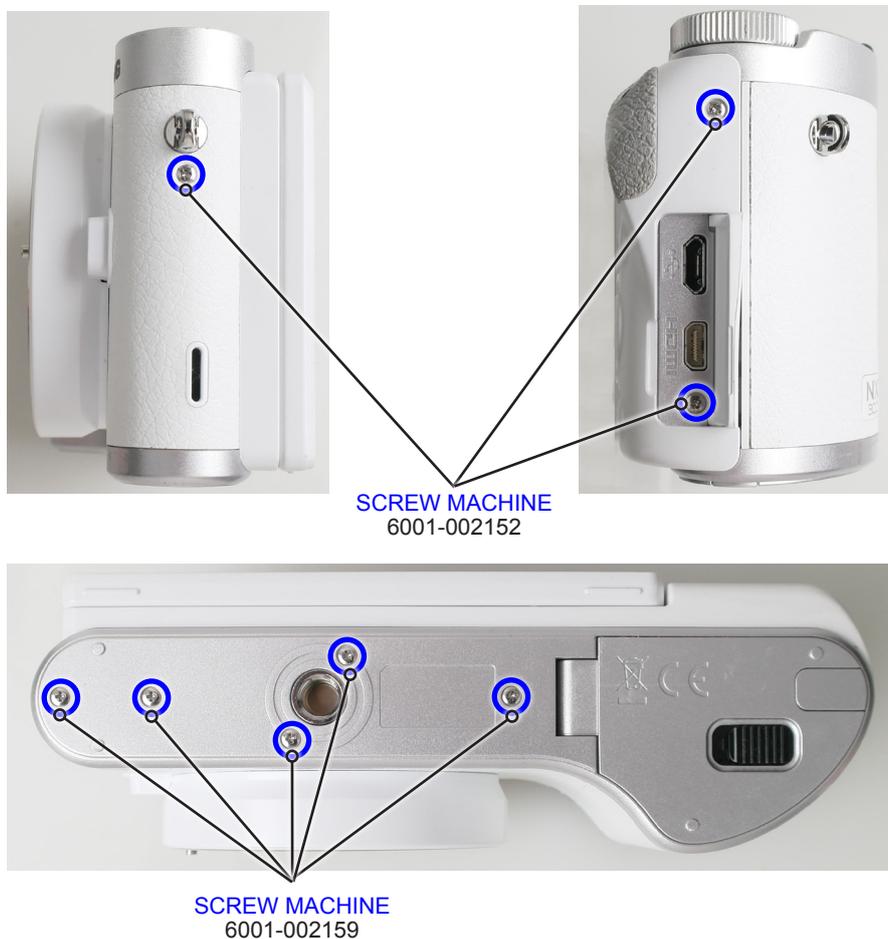


Fig. 3-1

2. Open carefully the locking part to release the **ASSY BACK** as illustrated in image below. Then remove it.



Fig. 3-2

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



Remove the FPCB from the connector.

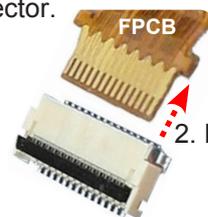
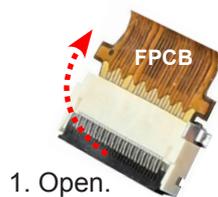


Fig. A

Fig. 3-3

4. Remove the **ASSY BACK**.

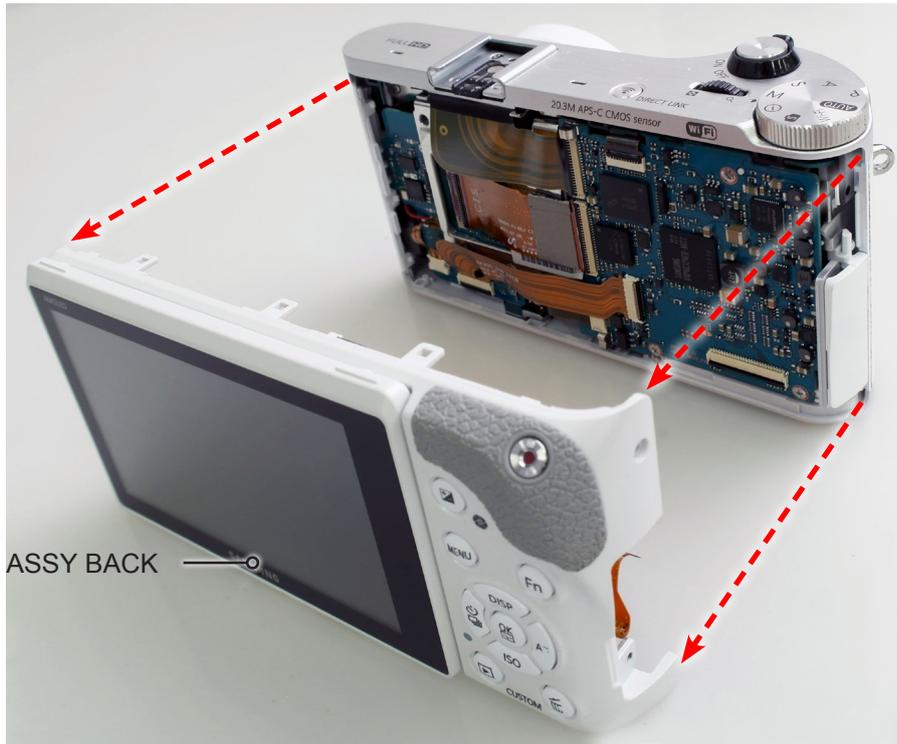


Fig. 3-4

5. Remove the **4 screws**.

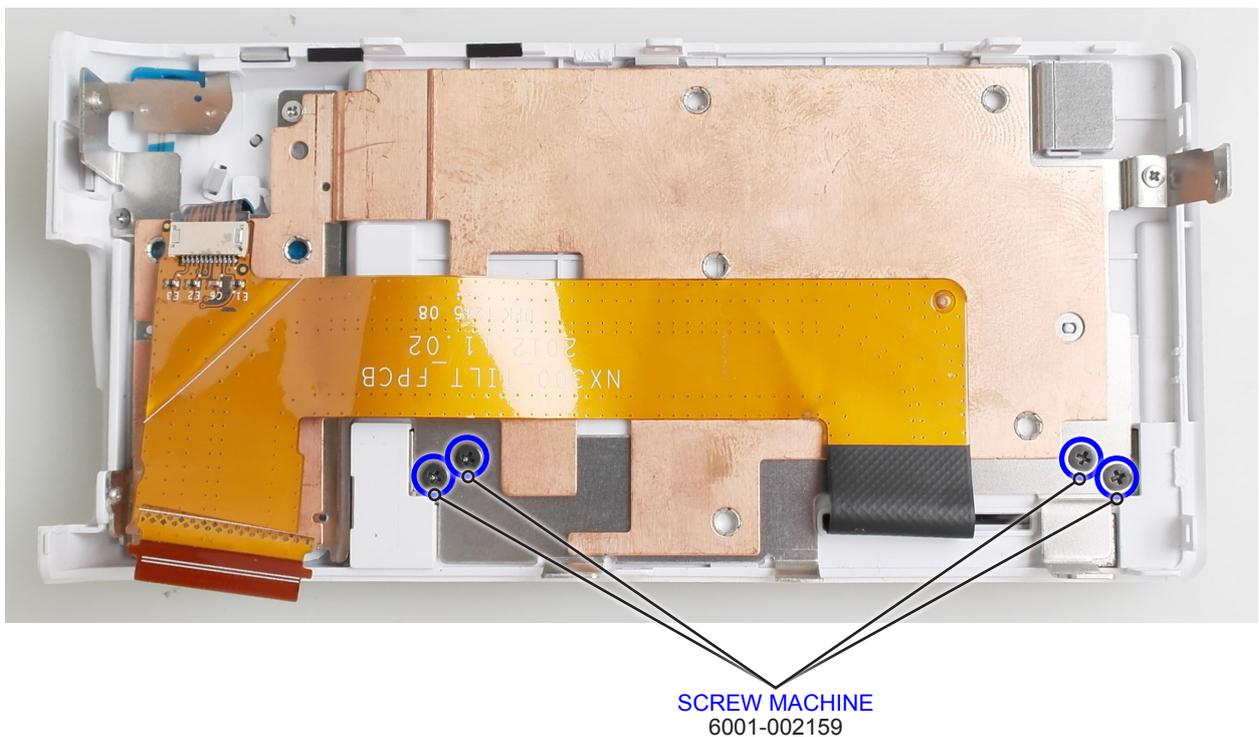


Fig. 3-5

6. Remove the **FPCB** that is attached on the **FRAME BACK** .

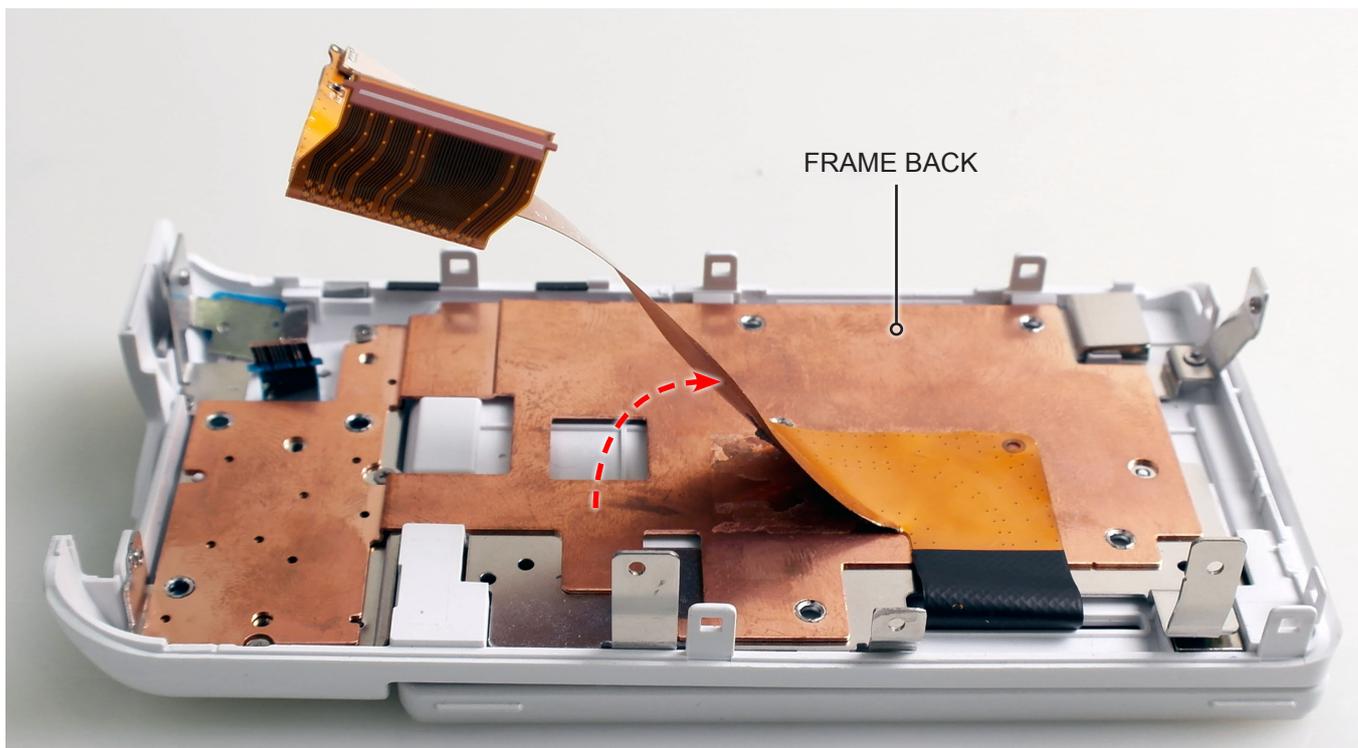


Fig. 3-6

7. Remove the **ASSY TILT LCD**.

CAUTION

Fold the upper right corner down as illustrated in Fig. 1 when removing the FPCB from the **BACK COVER**.

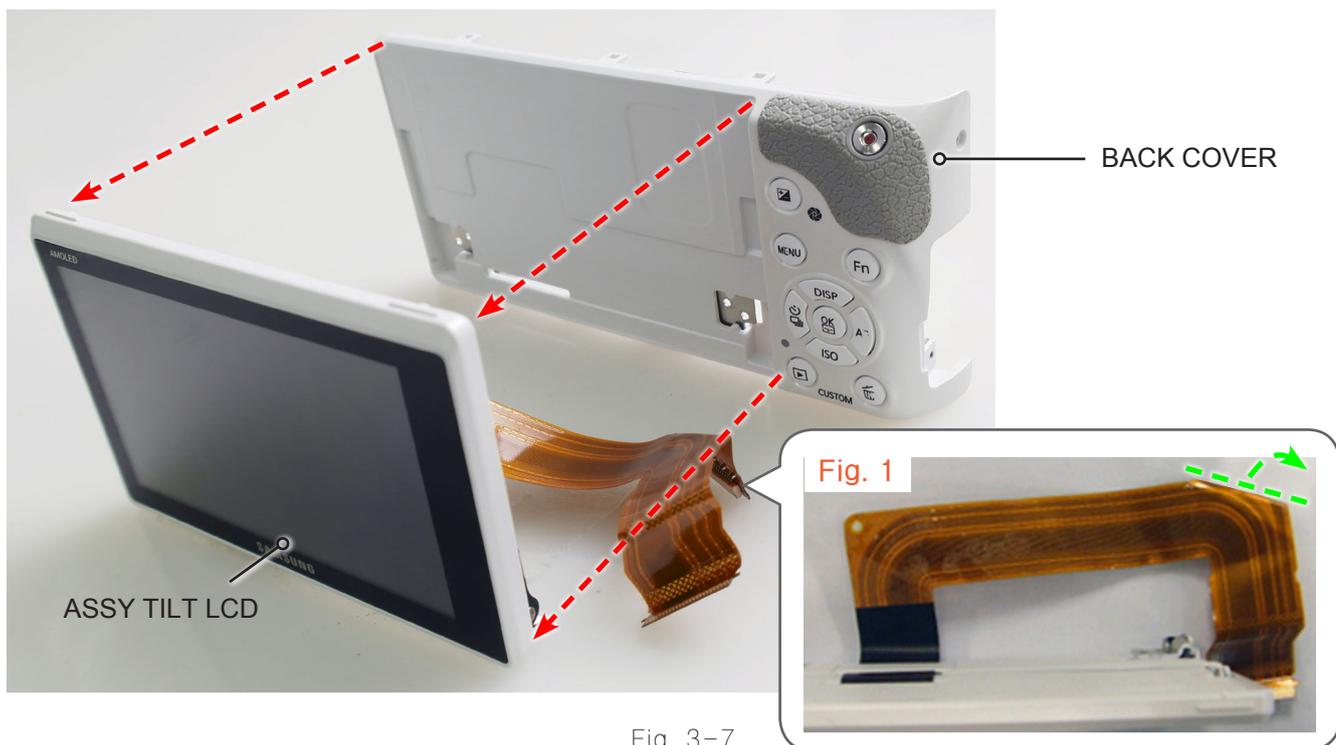


Fig. 3-7

8. Remove the **screw**.



Fig. 3-8

9. Insert the tweezers into the hole of screw as illustrated in **Fig. 2** and open the **LCD Panel**.
10. Remove the **FPCB** as illustrated in **Fig. 3**.

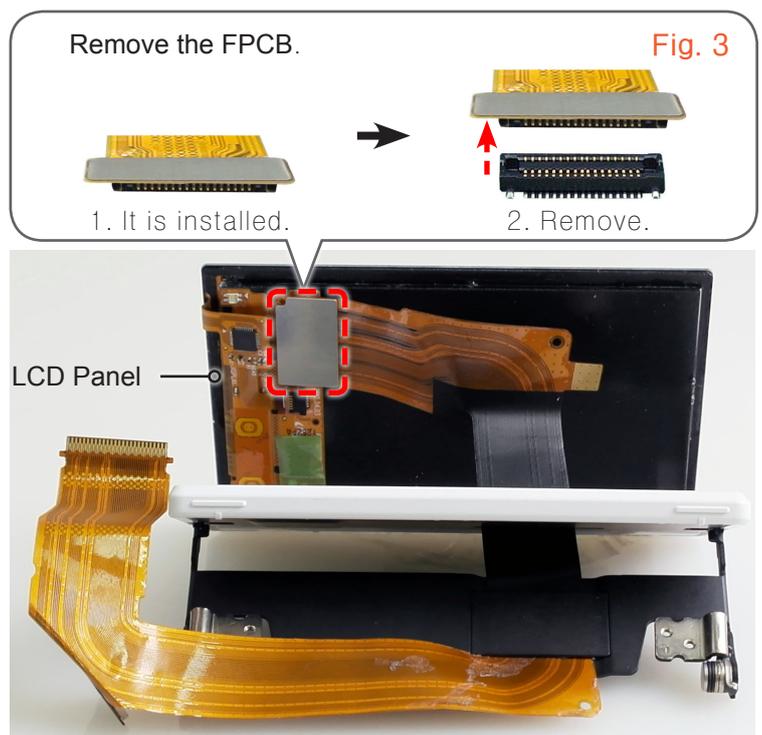


Fig. 3-9

11. Remove the **LCD Panel**.

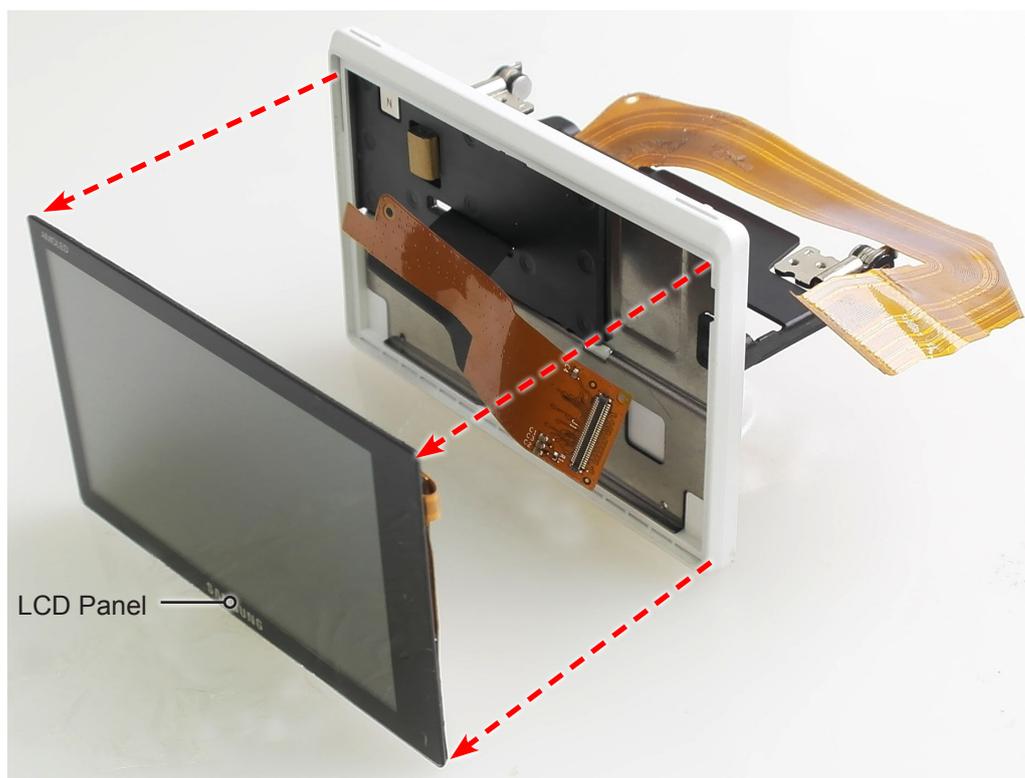


Fig. 3-10

12. Remove the following parts in the order indicated below.

- ① FRAME BACK
- ② MAGNET TILT A

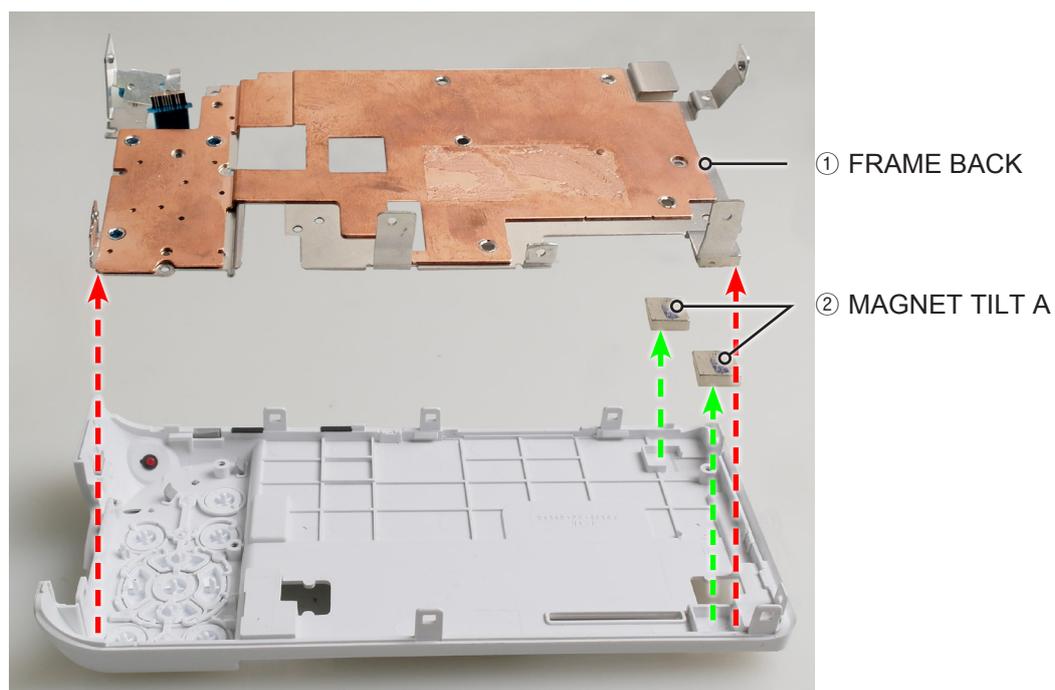


Fig. 3-11

13. Remove the following parts in the order indicated below.
- ① SHAFT BATTERY COVER (Refer to Fig. 4.)
 - ② ASSY COVER BATTERY
 - ③ BATTERY COVER SPRING

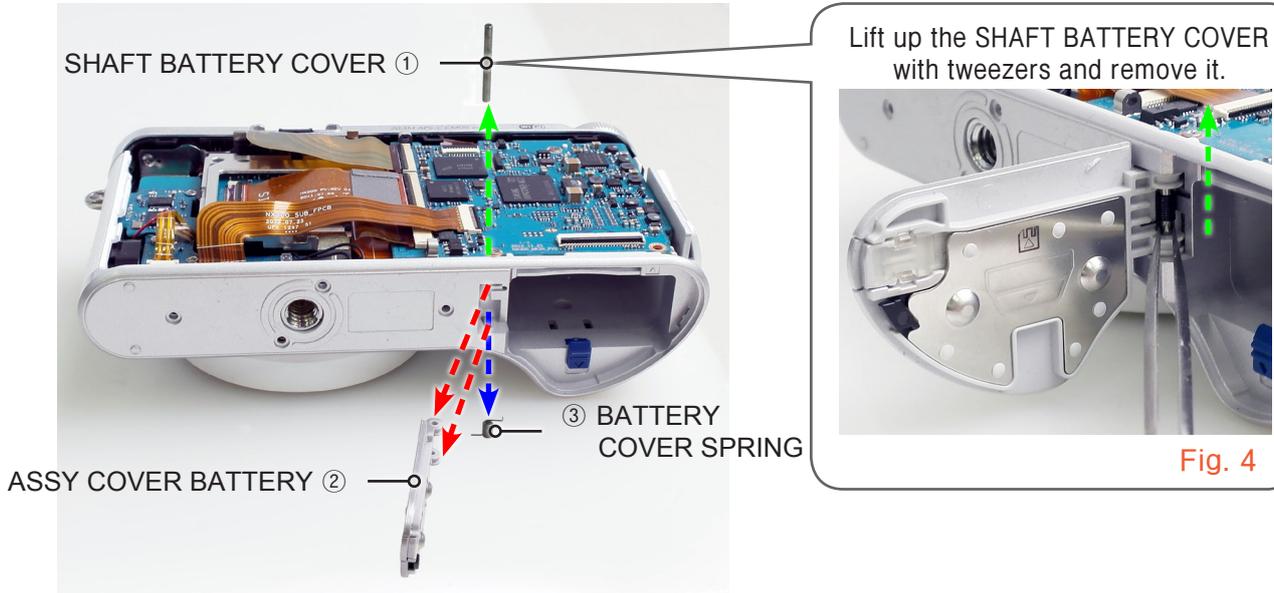


Fig. 3-12

14. Remove the **FPCB** from the connector as illustrated in Fig. B, Fig. C and Fig. D
15. Remove the **3 screws**.

CAUTION

Use extra care when removing the FPCB from the connector.

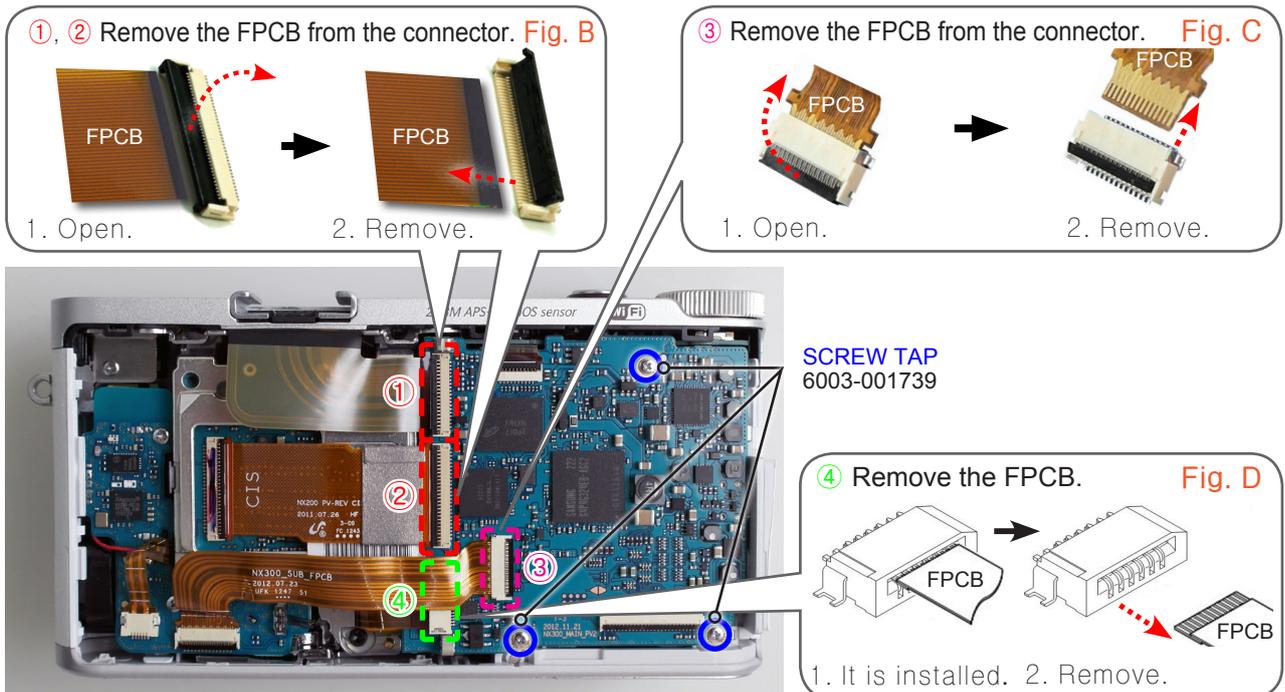


Fig. 3-13

16. Remove the **ASSY PCB MAIN**.

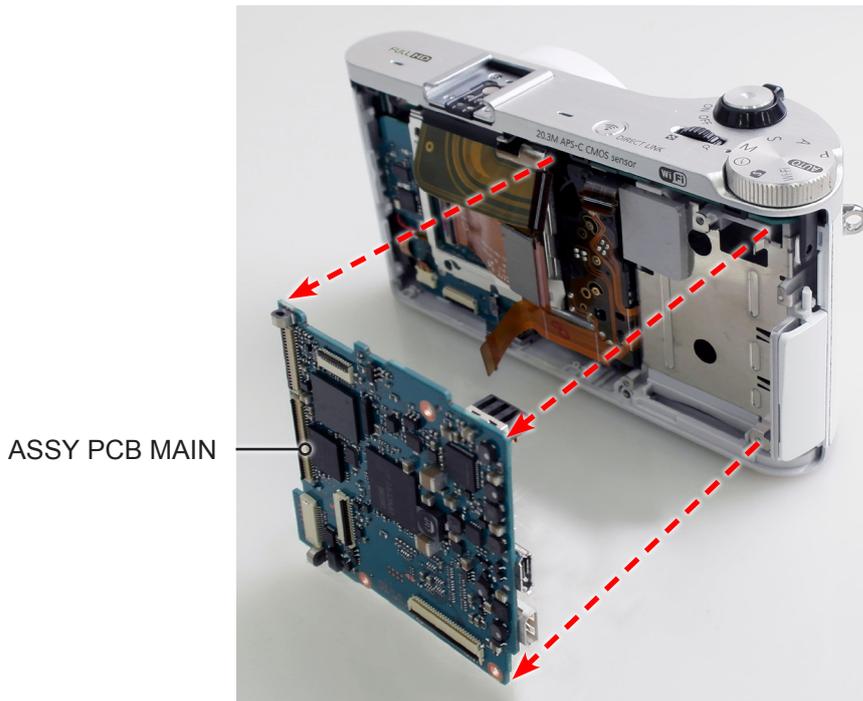


Fig. 3-14

17. Remove the **FPCB** and **WIRE** as illustrated in **Fig. E** and **Fig. F**.

18. Remove the **3 screws**.

CAUTION

Use extra care when removing the FPCB from the connector.

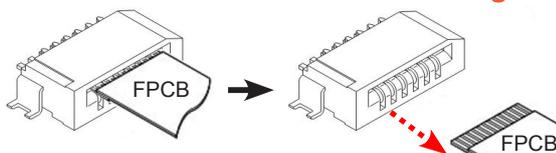
SCREW MACHINE
6001-002159

SCREW-TATYPE
6003-001660



① Remove the FPCB.

Fig. E

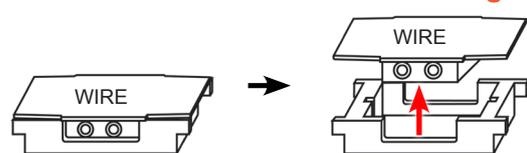


1. It is installed.

2. Remove.

② Remove the WIRE.

Fig. F



1. It is installed.

2. Remove.

Fig. 3-15

19. Remove the **ASSY SPEAKER-DRS PCB** and **HOLDER-TRIPOD** as illustrated in **Fig. G** and **Fig. H**.

① ASSY SPEAKER-DRS PCB

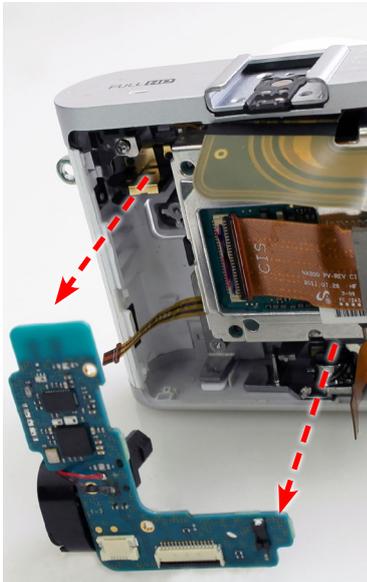
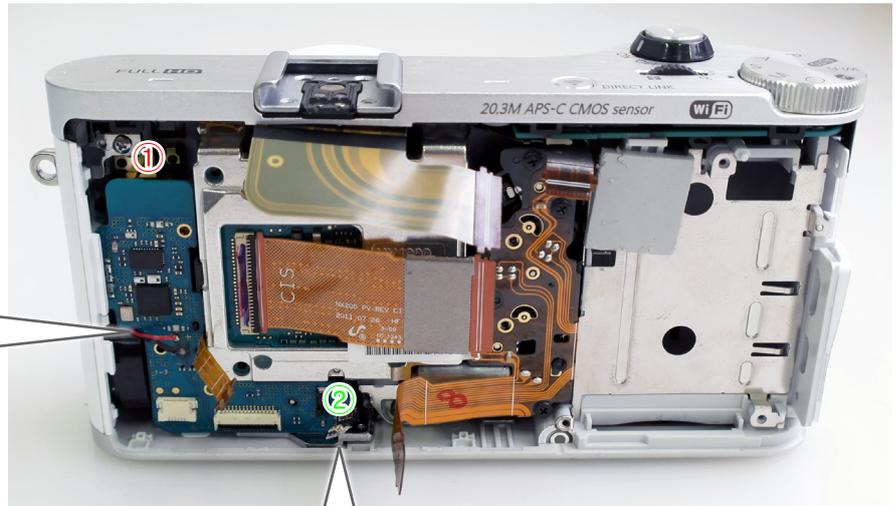


Fig. G



② HOLDER-TRIPOD

Fig. H

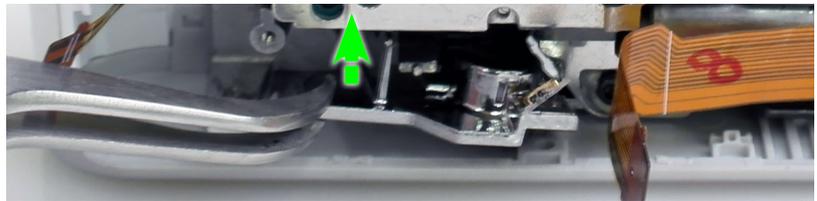


Fig. 3-16

20. Remove the **screw**.

SCREW MACHINE
6001-002159

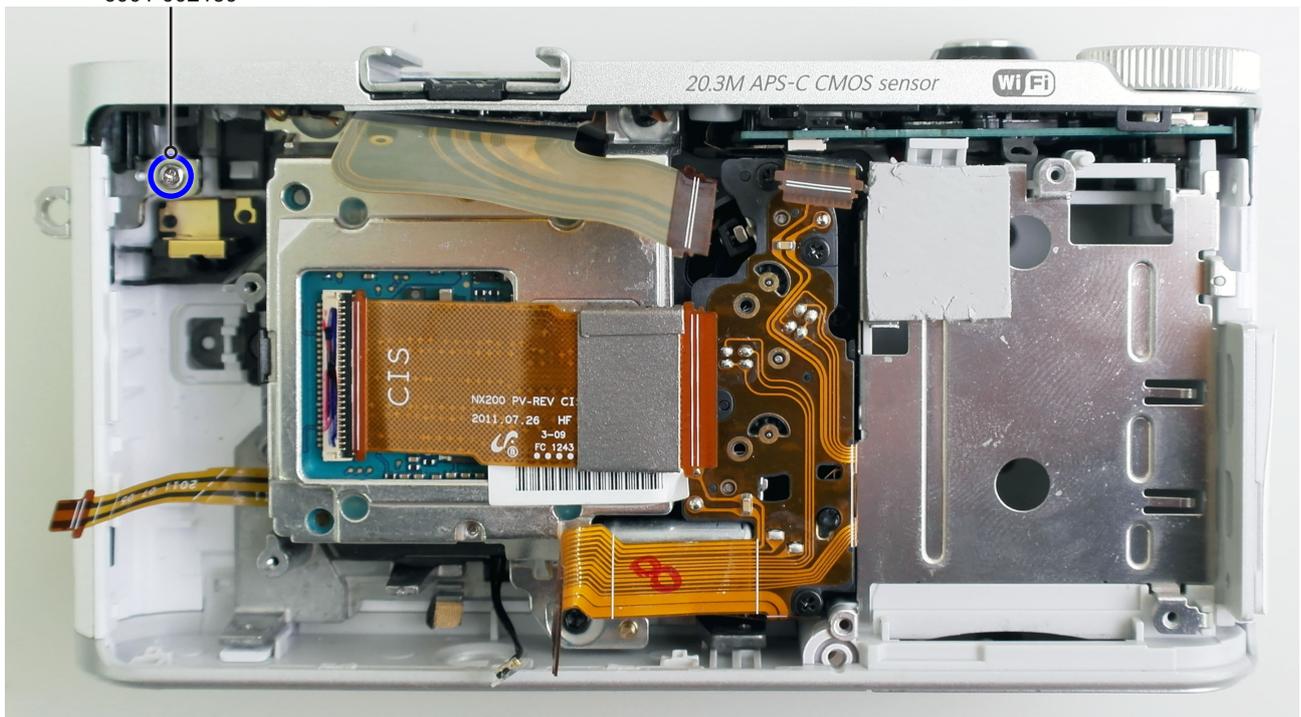


Fig. 3-17

21. Remove the **screw**.



Fig. 3-18

22. Remove the **ASSY COVER-TOP**.

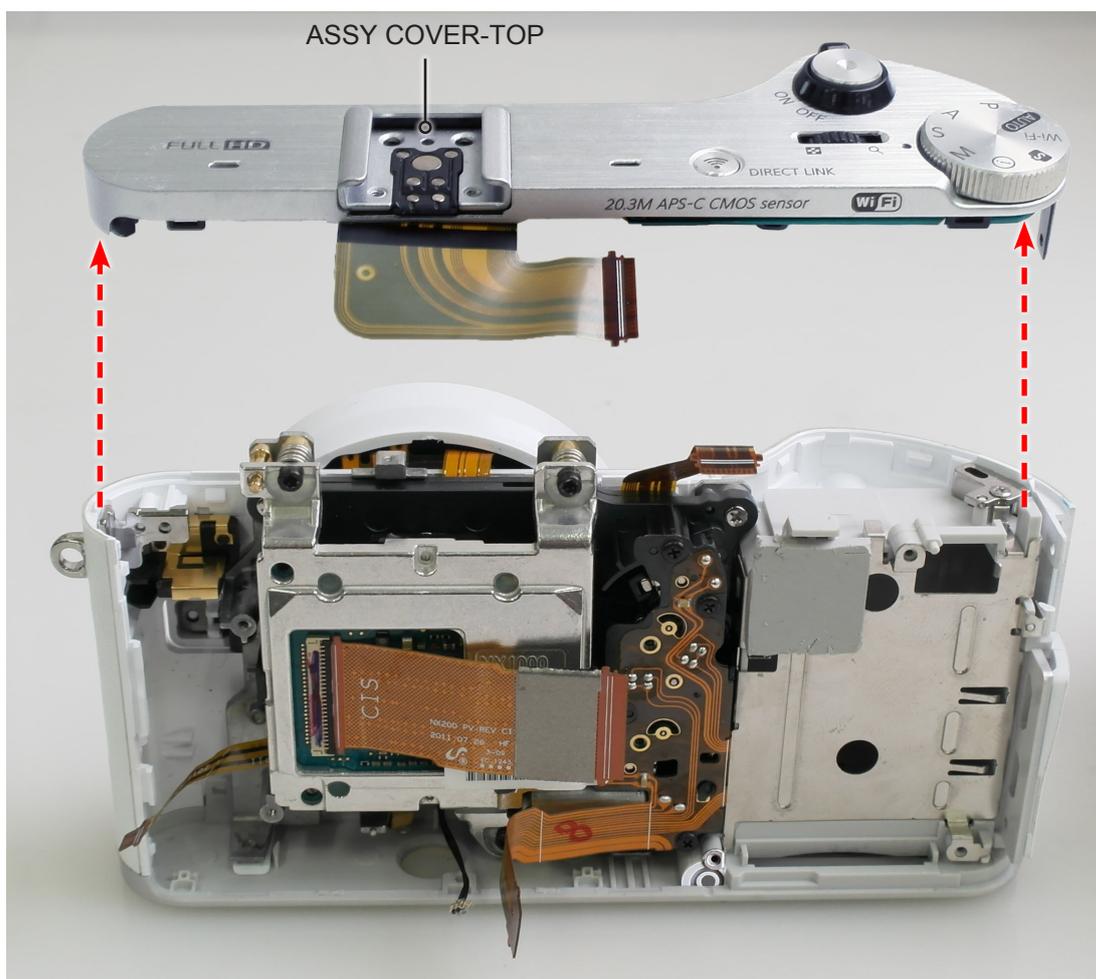


Fig. 3-19

23. Remove the **screw**.



Fig. 3-20

24. Remove the **FPCB** as illustrated in **Fig. I**.

25. Remove the **7 screws**.

CAUTION
Use extra care when removing the FPCB from the connector.

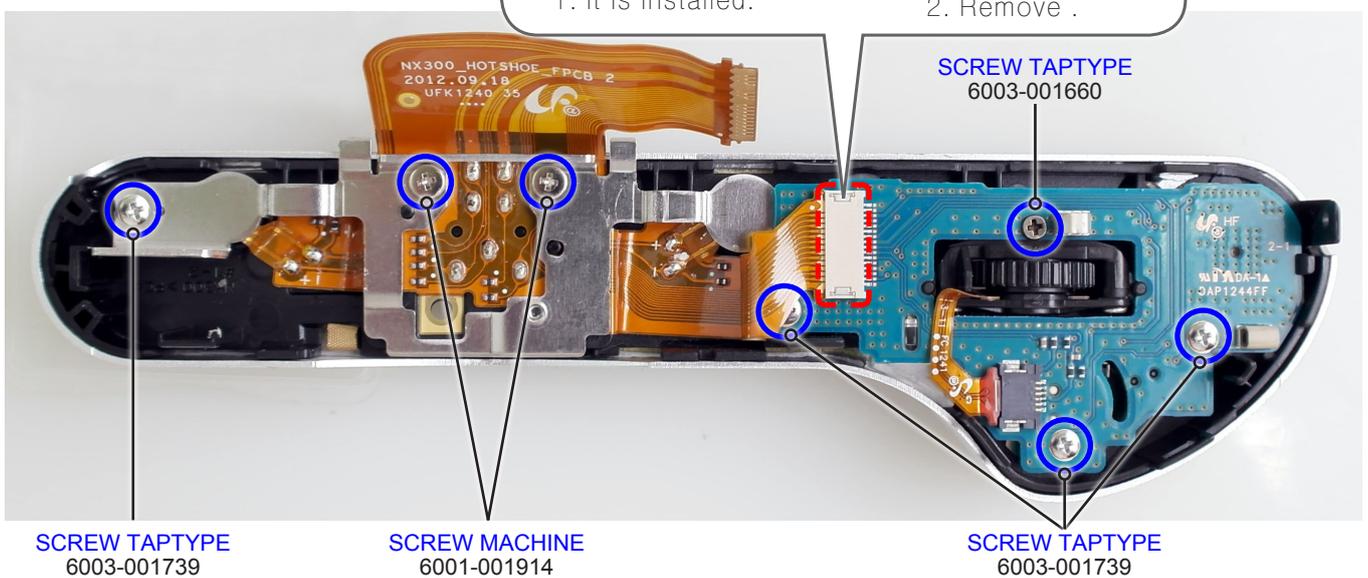
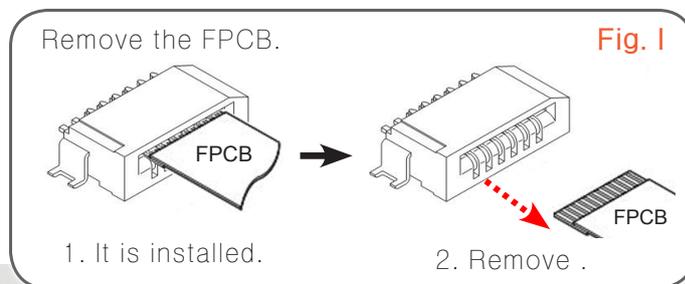


Fig. 3-21

26. Remove the following parts in the order indicated below.

- ① PLATE-HOT SHOE BOTTOM
- ② ASSY PCB TOP
- ③ ASSY DIAL COMMAND

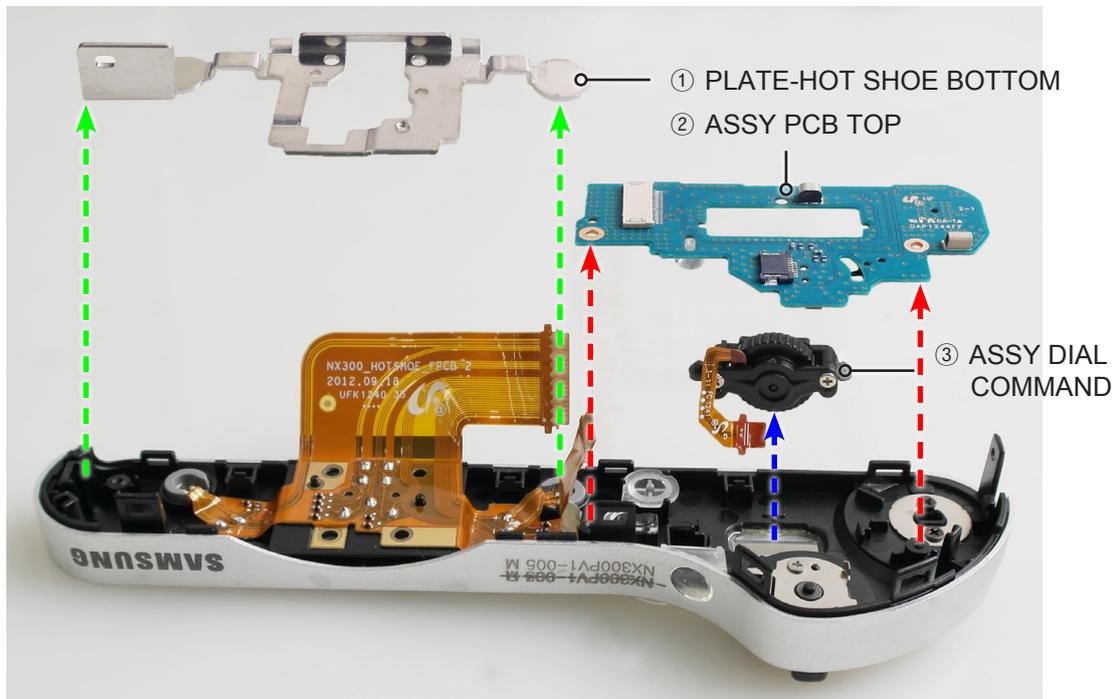


Fig. 3-22

3-1-2 Technical expertise support – Disassembly

1. Remove the **4 screws**.

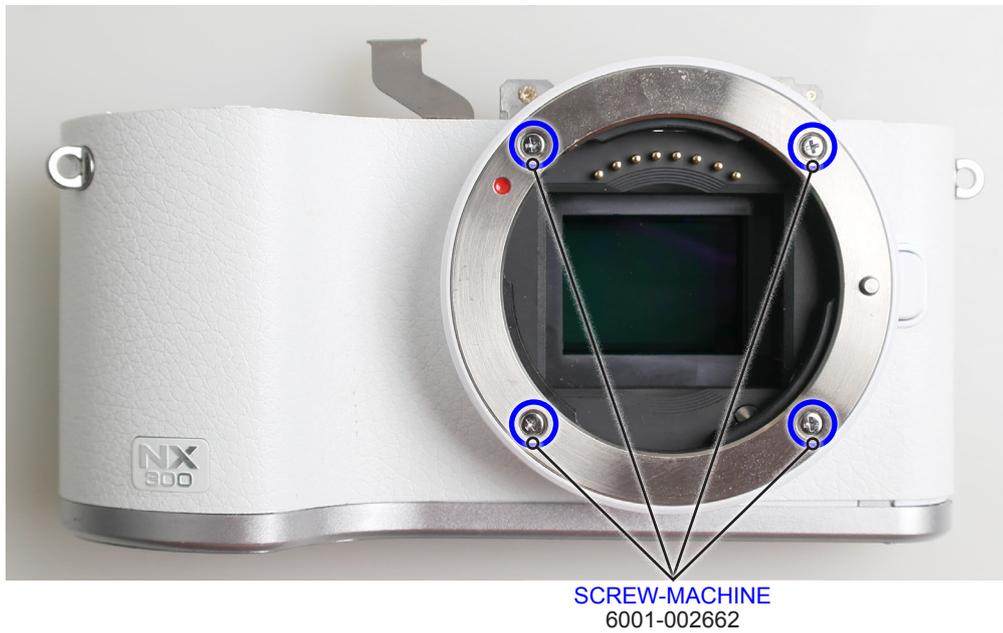


Fig. 3-23

2. Remove the following parts in the order indicated below.

- ① PLATE-MOUNT LENS
- ② MOUNT-INNER
- ③ PLATE-MOUNT SPRING
- ④ SHAFT-LENS DETECT
- ⑤ SPRING-CS

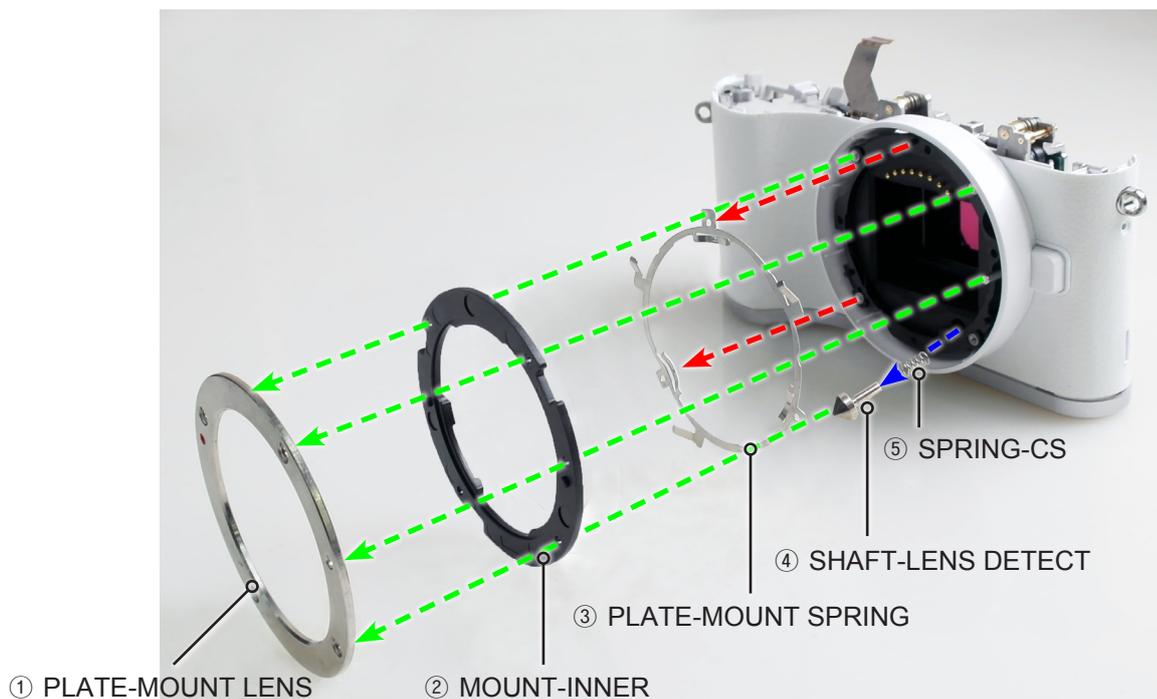


Fig. 3-24

3. Remove the **3 screws**.

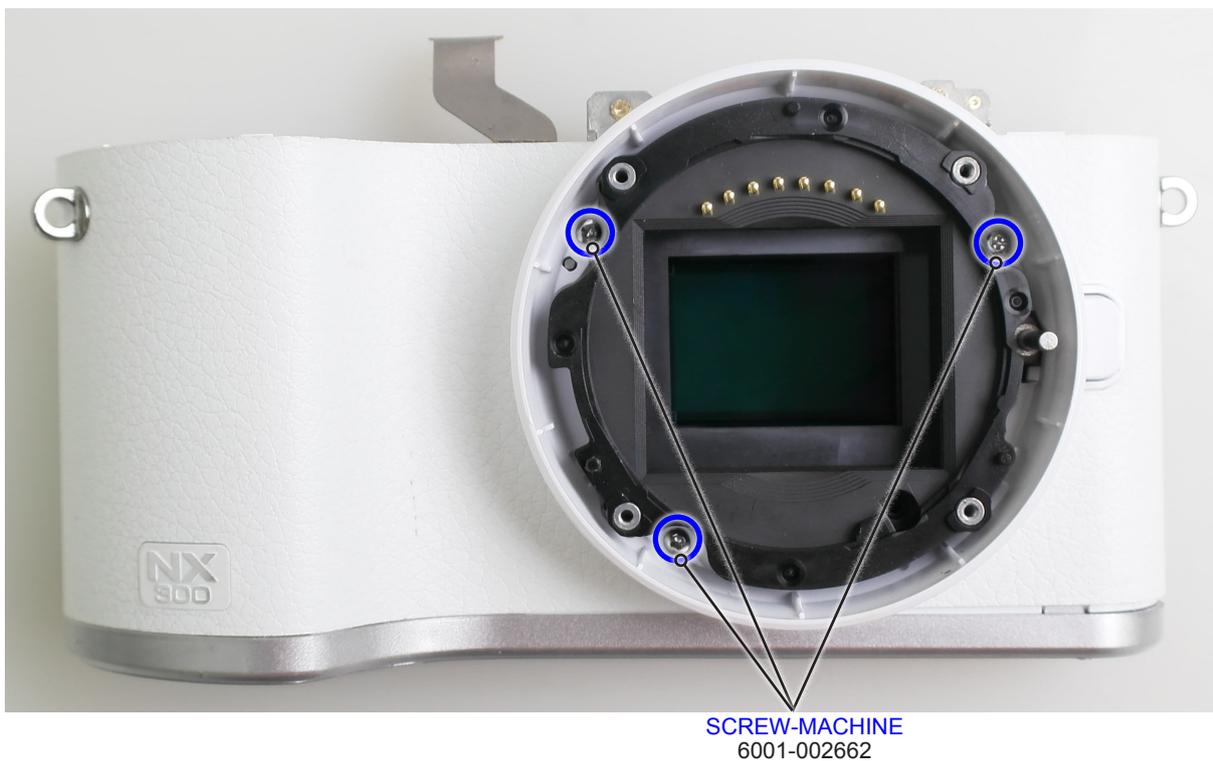


Fig. 3-25

4. Remove the **DECO RING-FRONT**.

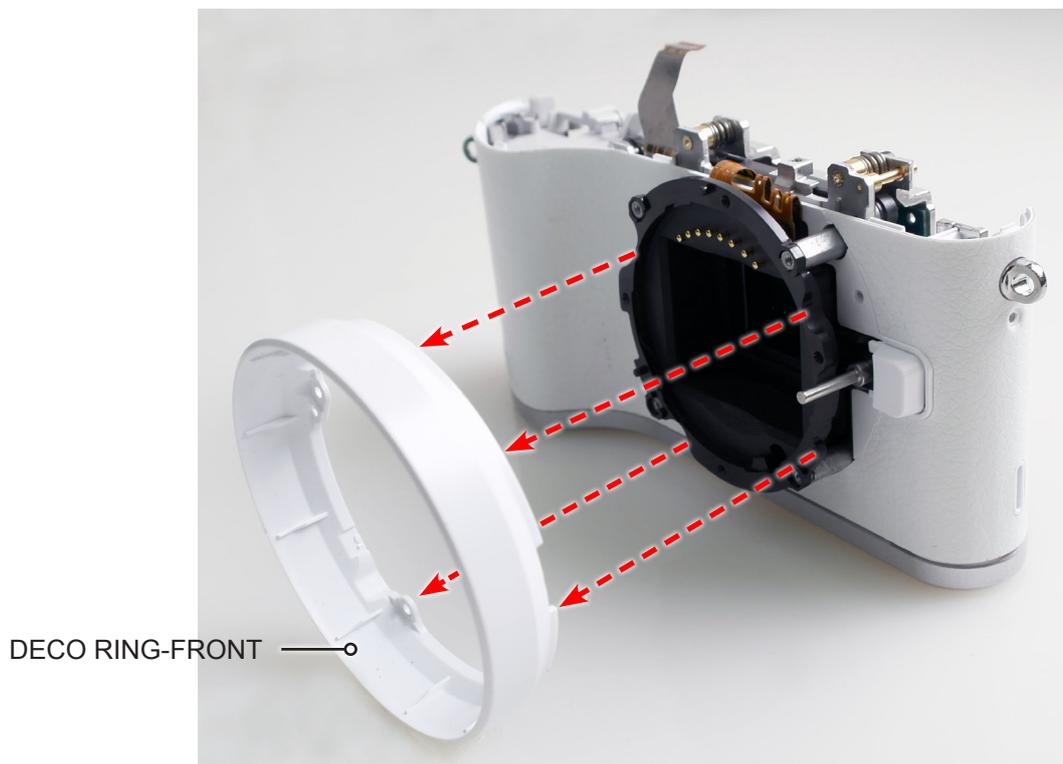


Fig. 3-26

5. Remove the **2 screws**.

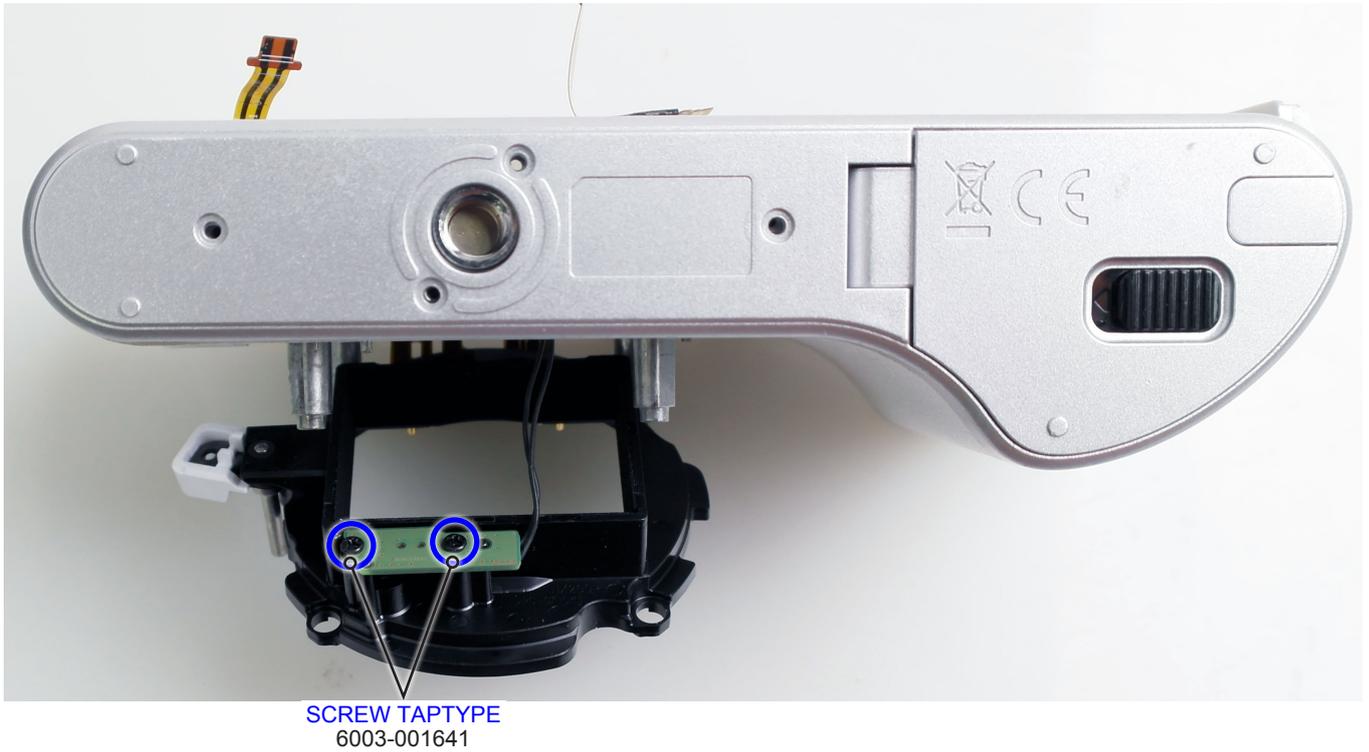


Fig. 3-27

6. Lift up the **HOLDER INNER MOUNT** in the direction of the green arrow.
7. Remove the **ASSY-COVER FRONT**.

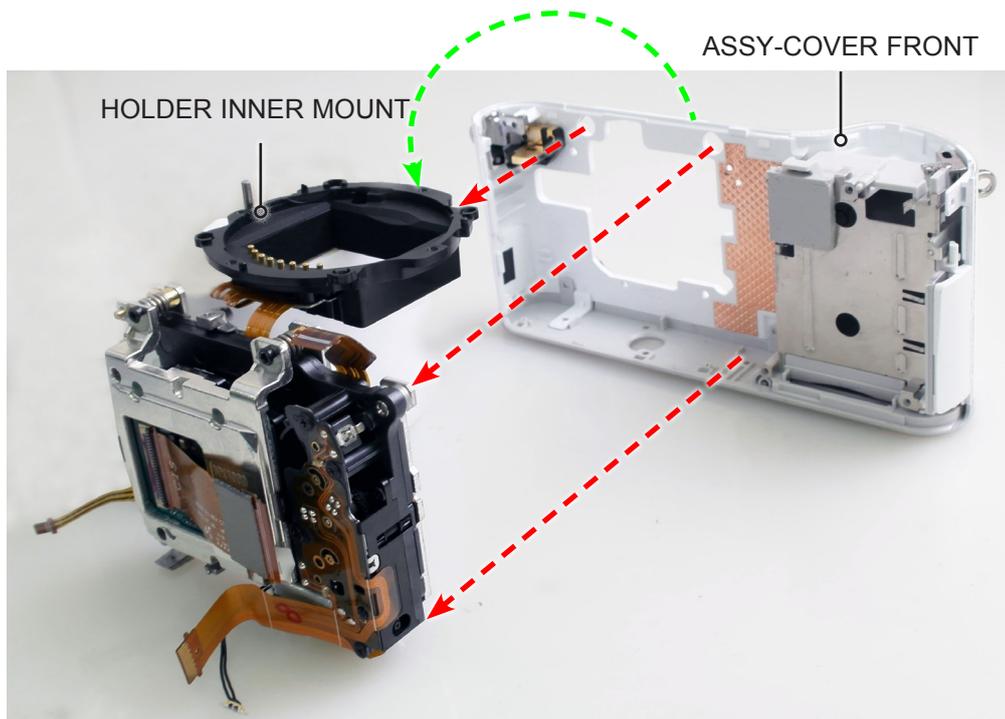


Fig. 3-28

8. Remove the **2 screws**.

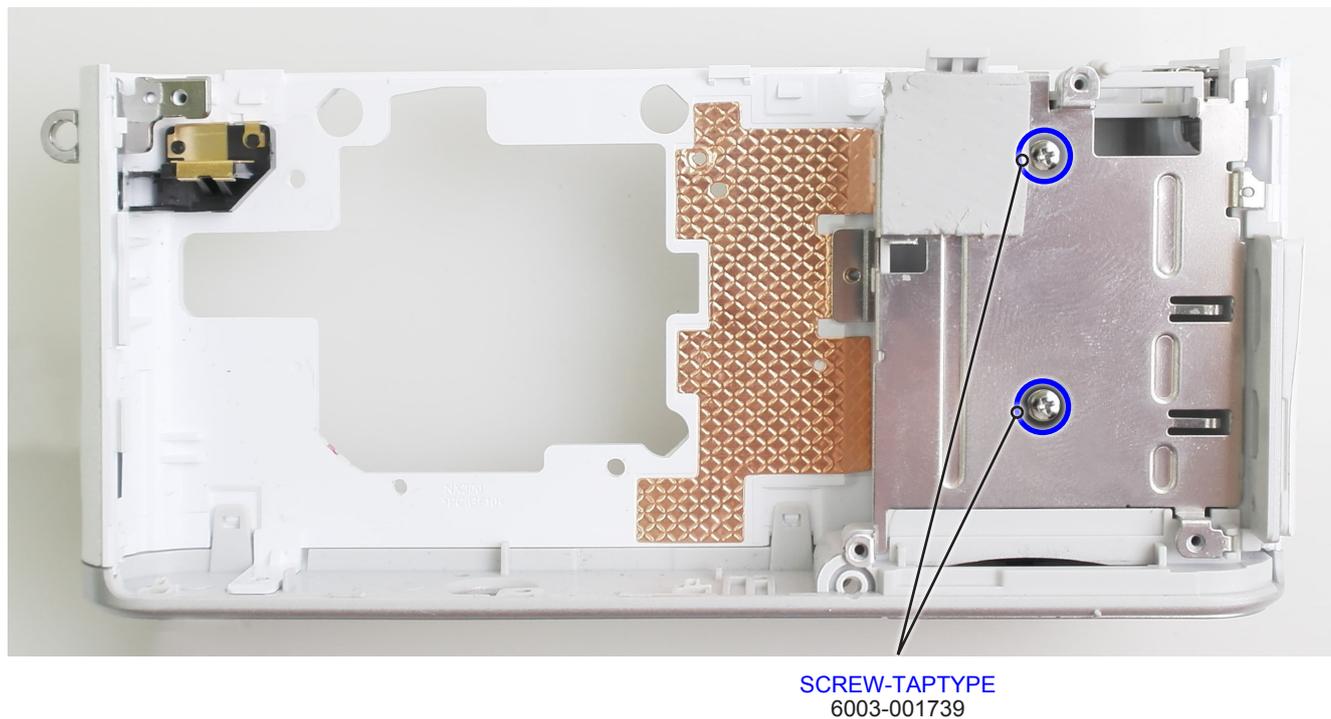


Fig. 3-29

9. Remove the **ASSY CHAMER**.

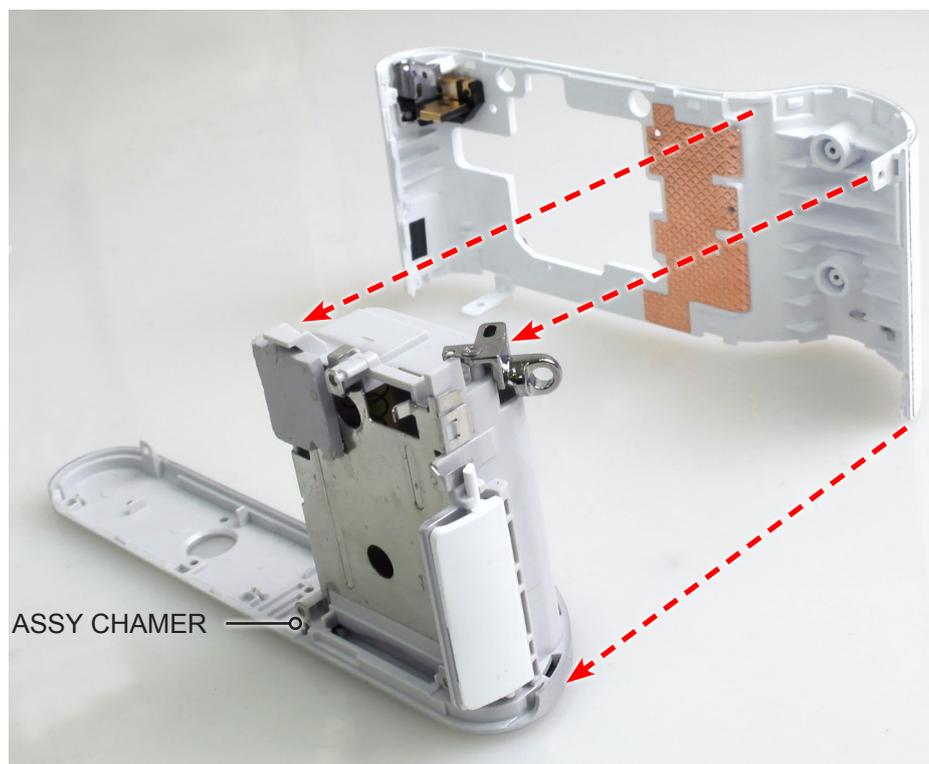
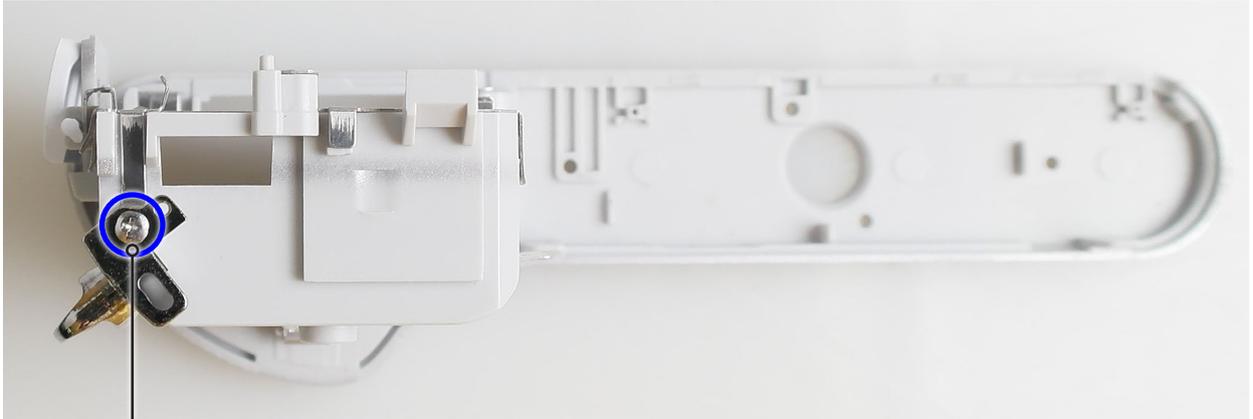


Fig. 3-30

10. Remove the **screw**.



SCREW 1440 TAPTYPE
6003-001739

Fig. 3-31

11. Remove the **HOLDER STRAP L**.

HOLDER STRAP L

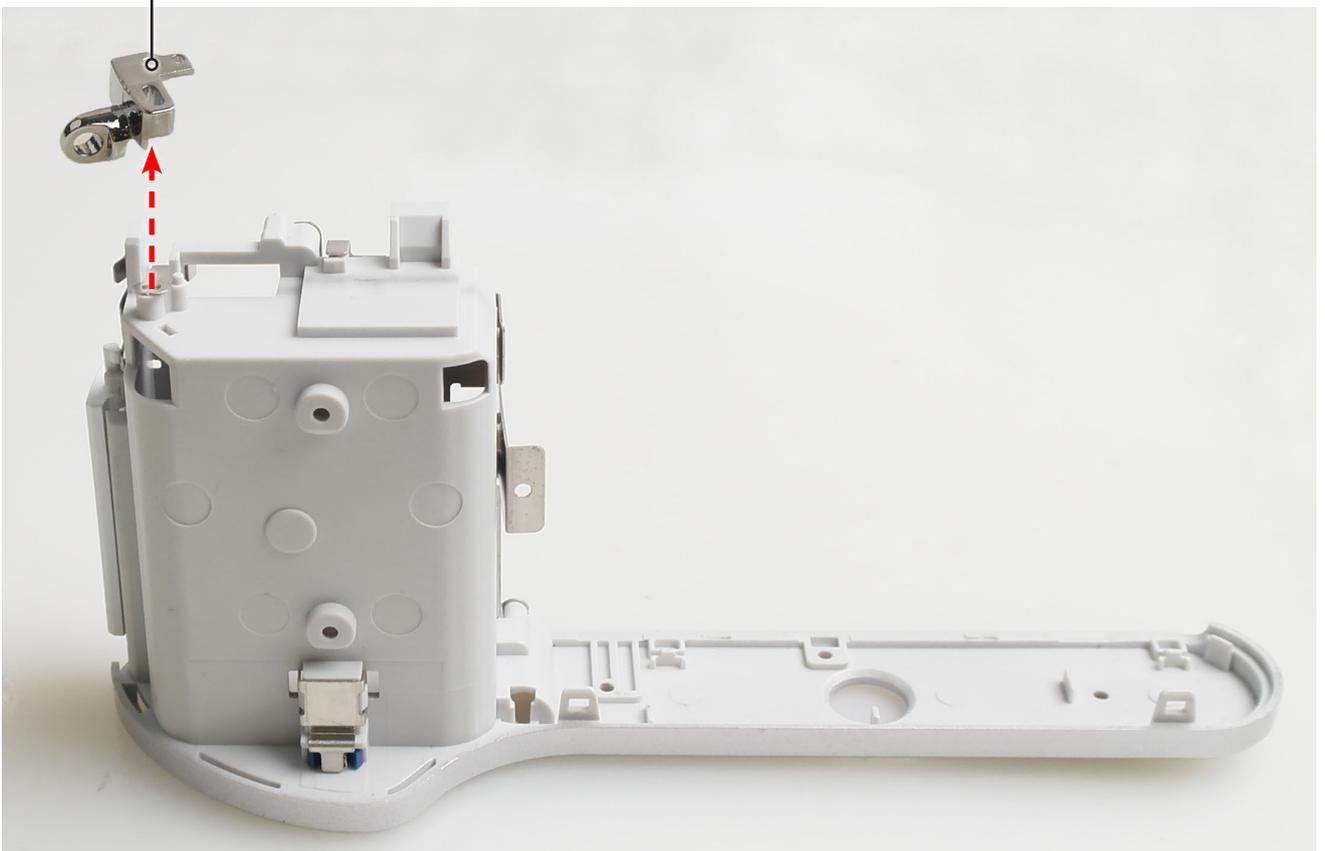


Fig. 3-32

12. Remove the **3 locking parts** marked in green circle as illustrated in **Fig. A** and **Fig. B**.

13. Remove the **PLATE BATTERY CHAMBER**.

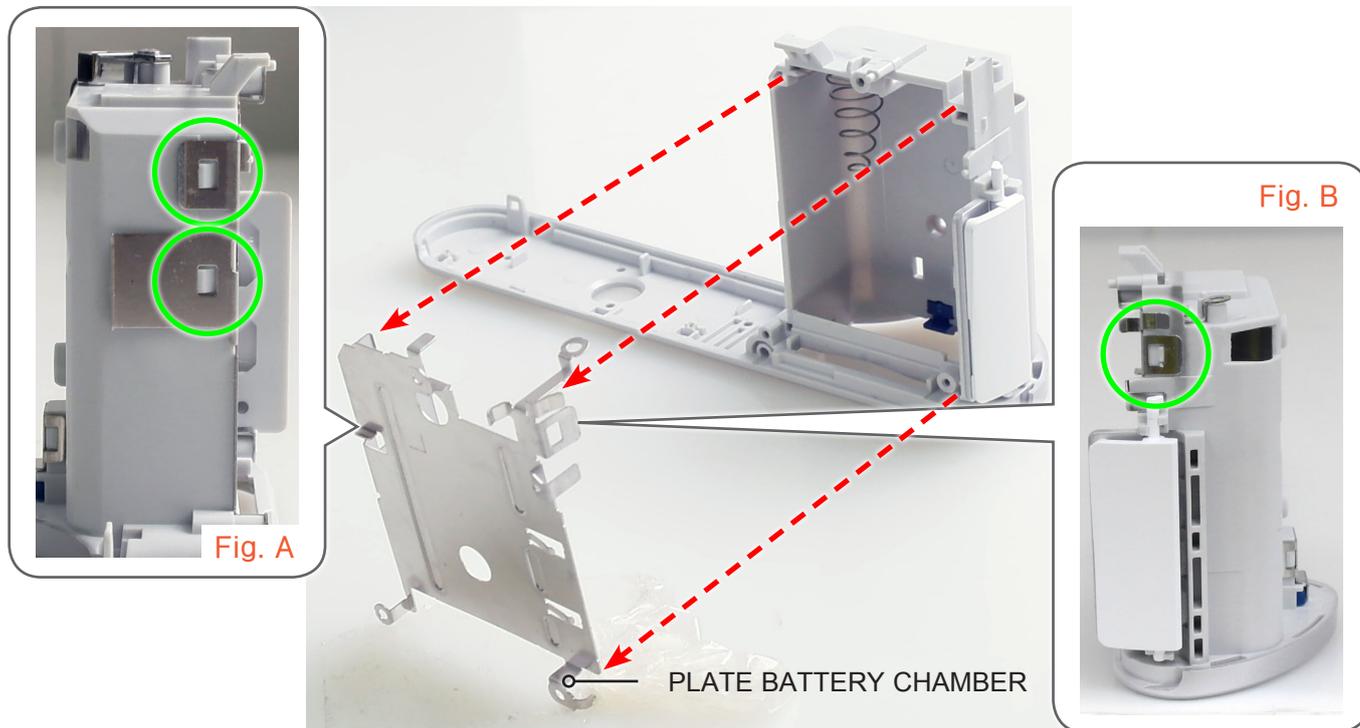


Fig. 3-33

14. Remove the **SHEET-THERMAL FRONT**.

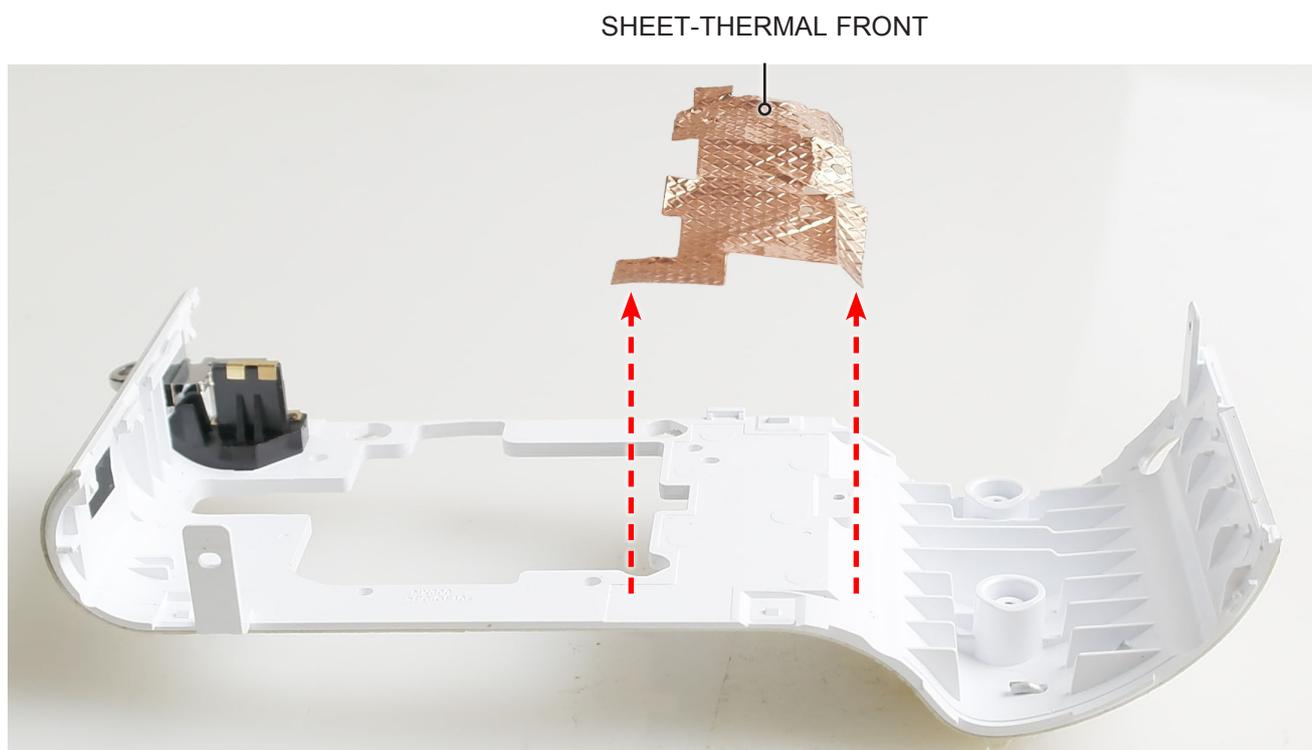


Fig. 3-34

15. Remove the following parts in the order indicated below.

- ① SCREW 3EA
- ② ASSY CMOS
- ③ SCREW 2EA
- ④ ASSY-SHUTTER
- ⑤ ASSY HOLDER INNER MOUNT
- ⑥ SPRING-CS 3EA
- ⑦ ASSY PCB SUB

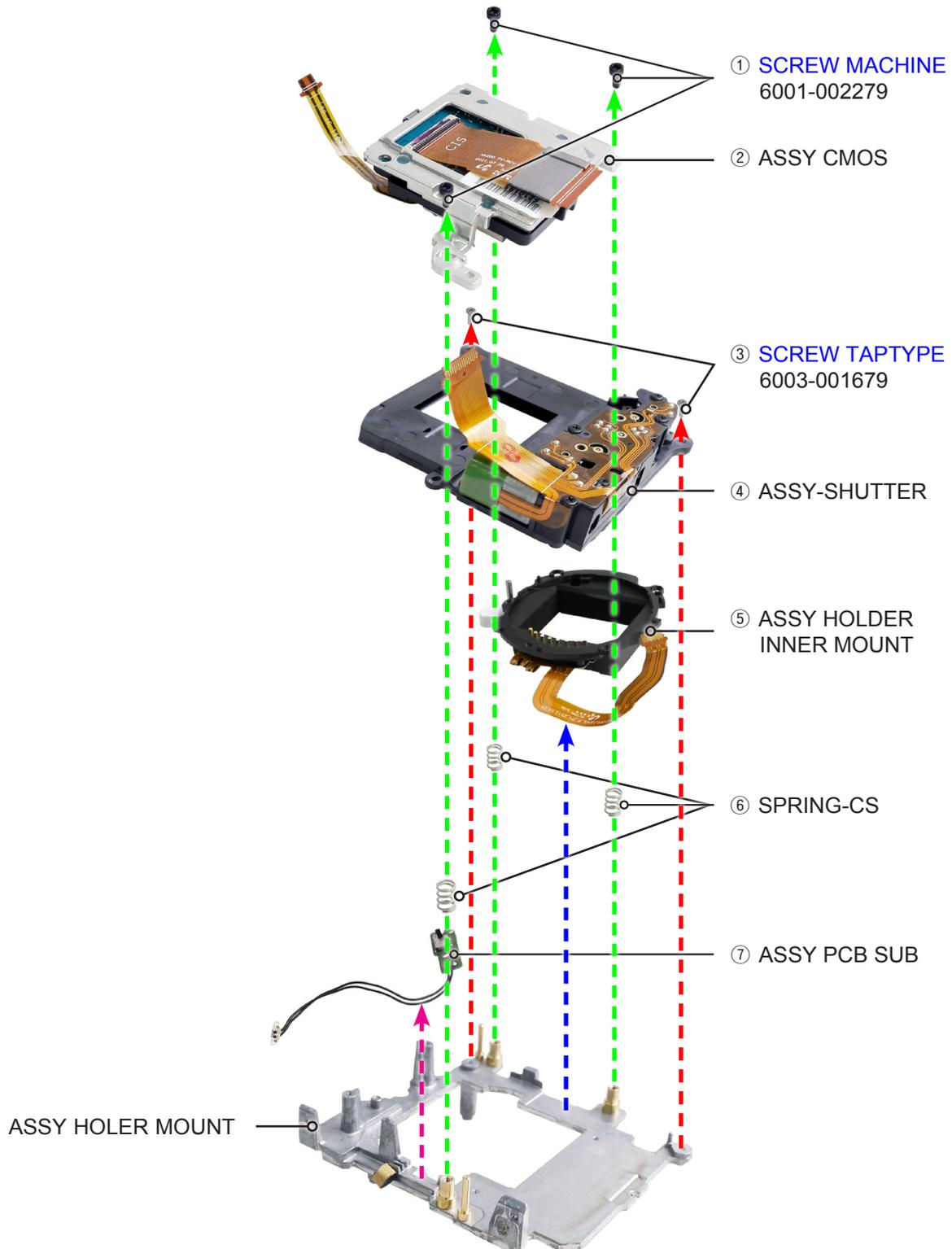


Fig. 3-35

3-2 Reassembly

3-2-1 Technical expertise support – Reassembly

1. Install the following parts in the order indicated below.

- ① ASSY PCB SUB
- ② SPRING-CS 3EA
- ③ ASSY HOLDER INNER MOUNT
- ④ ASSY -SHUTTER
- ⑤ SCREW 2EA
- ⑥ ASSY CMOS
- ⑦ SCREW 3EA

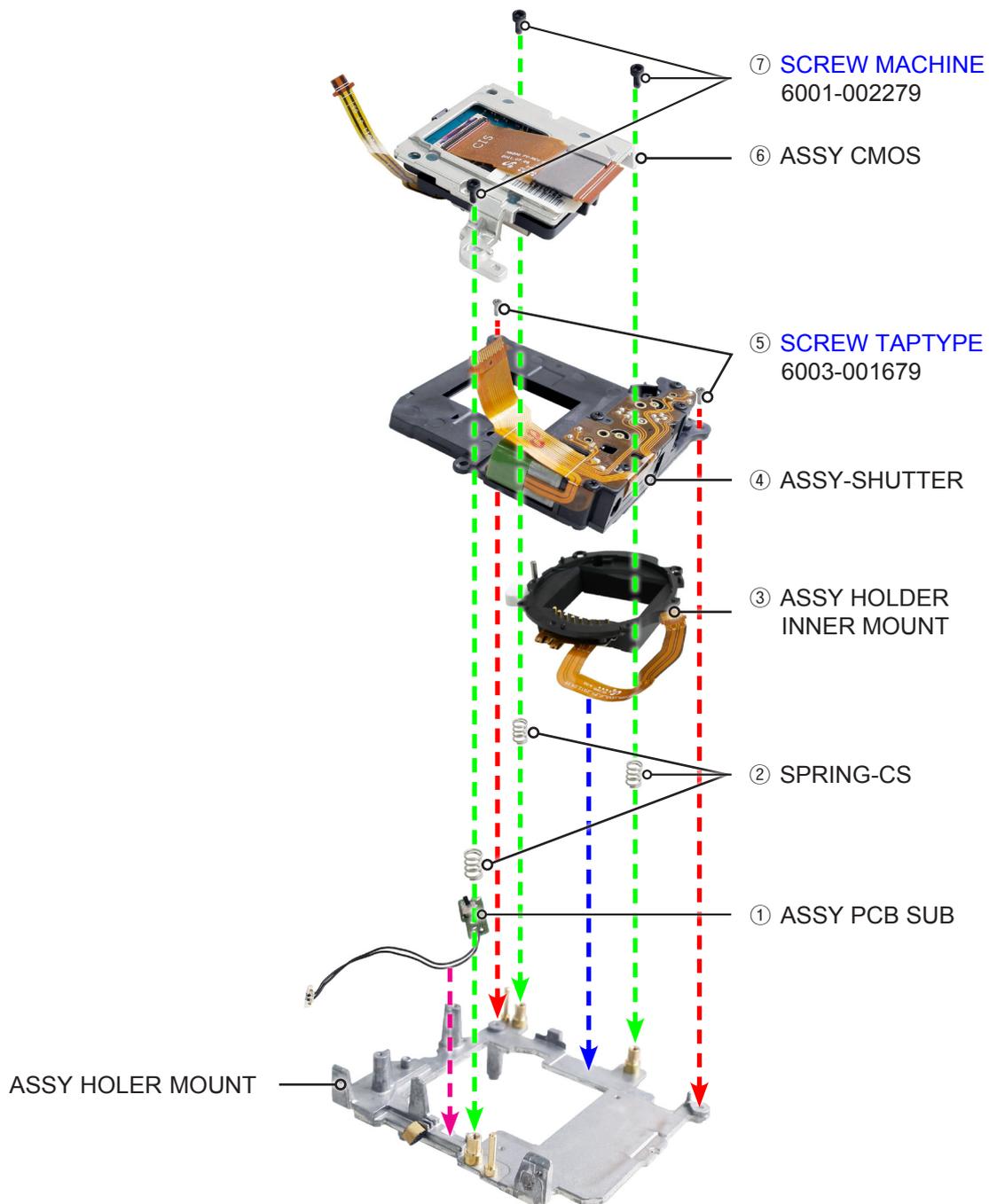


Fig. 3-36

2. Install the **SHEET-THERMAL FRONT**.

SHEET-THERMAL FRONT

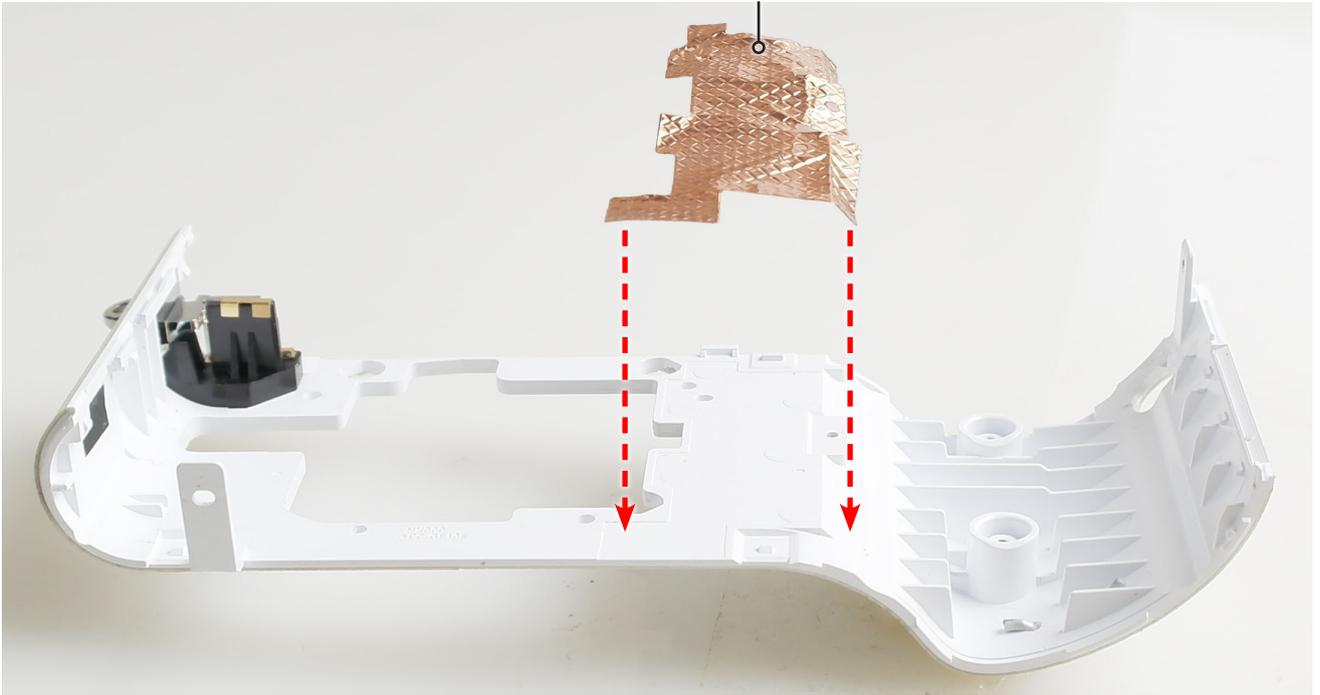


Fig. 3-37

3. Install the **PLATE BATTERY CHAMBER**.

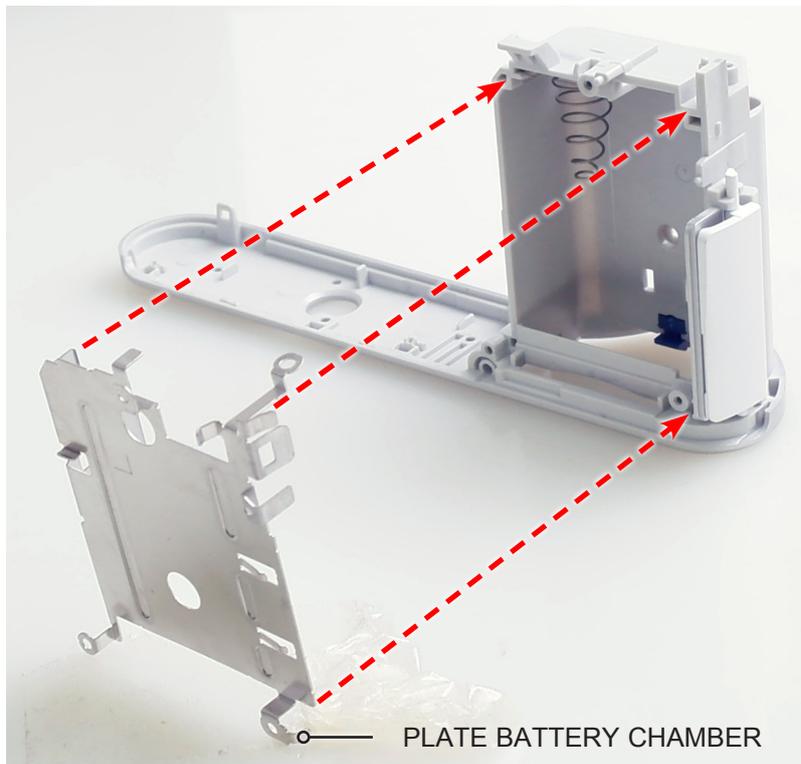


PLATE BATTERY CHAMBER

Fig. 3-38

4. Install the **HOLDER STRAP L**.

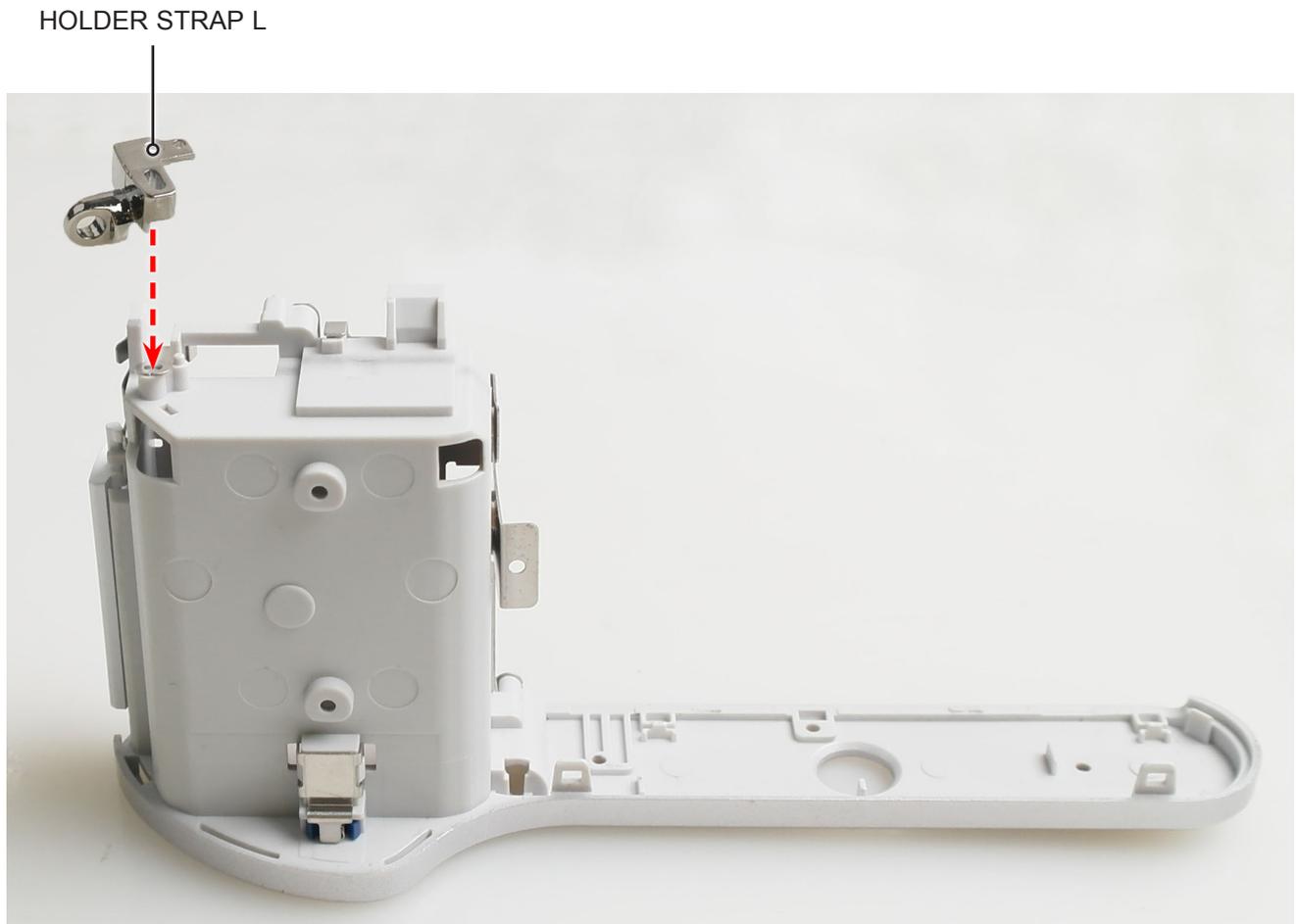


Fig. 3-39

5. Tighten the **screw**.



SCREW 1440 TAPTYPE
6003-001739

Fig. 3-40

6. Install the **ASSY CHAMER**.

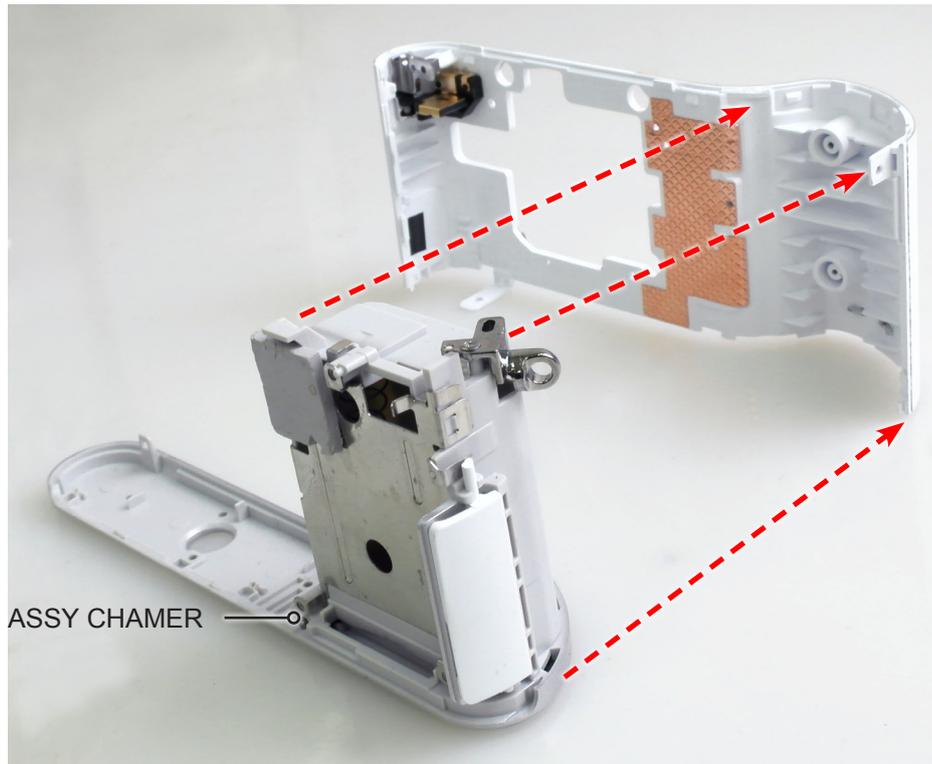
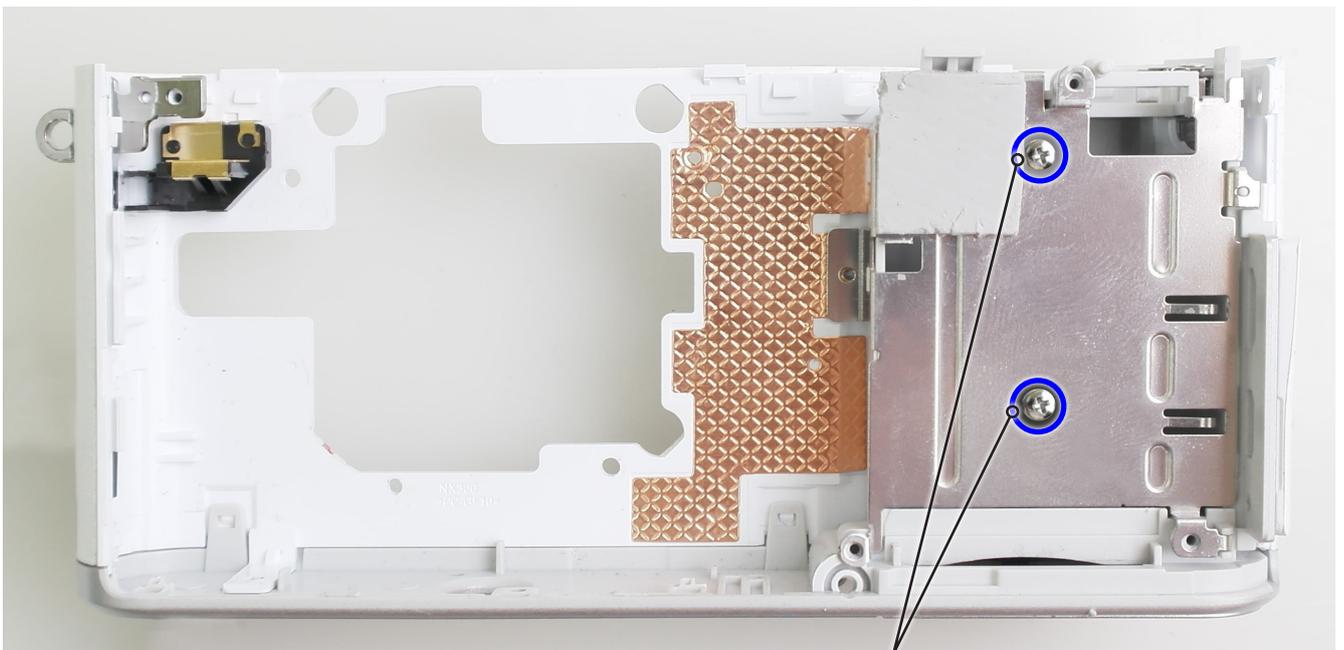


Fig. 3-41

7. Tighten the **2 screw**.



SCREW-TAPTYPE
6003-001739

Fig. 3-42

8. Turn the **HOLDER INNER MOUNT** over the ASSY-COVER FRONT in the direction of the green arrow.
9. Install the **ASSY-COVER FRONT**.

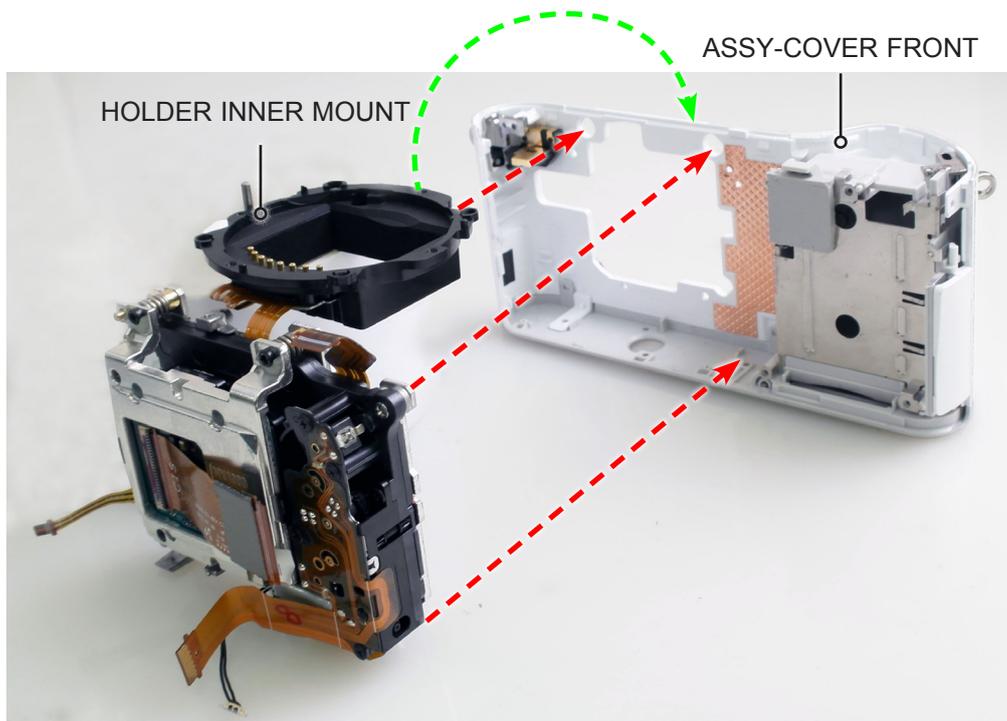


Fig. 3-43

10. Tighten the **2 screws**.

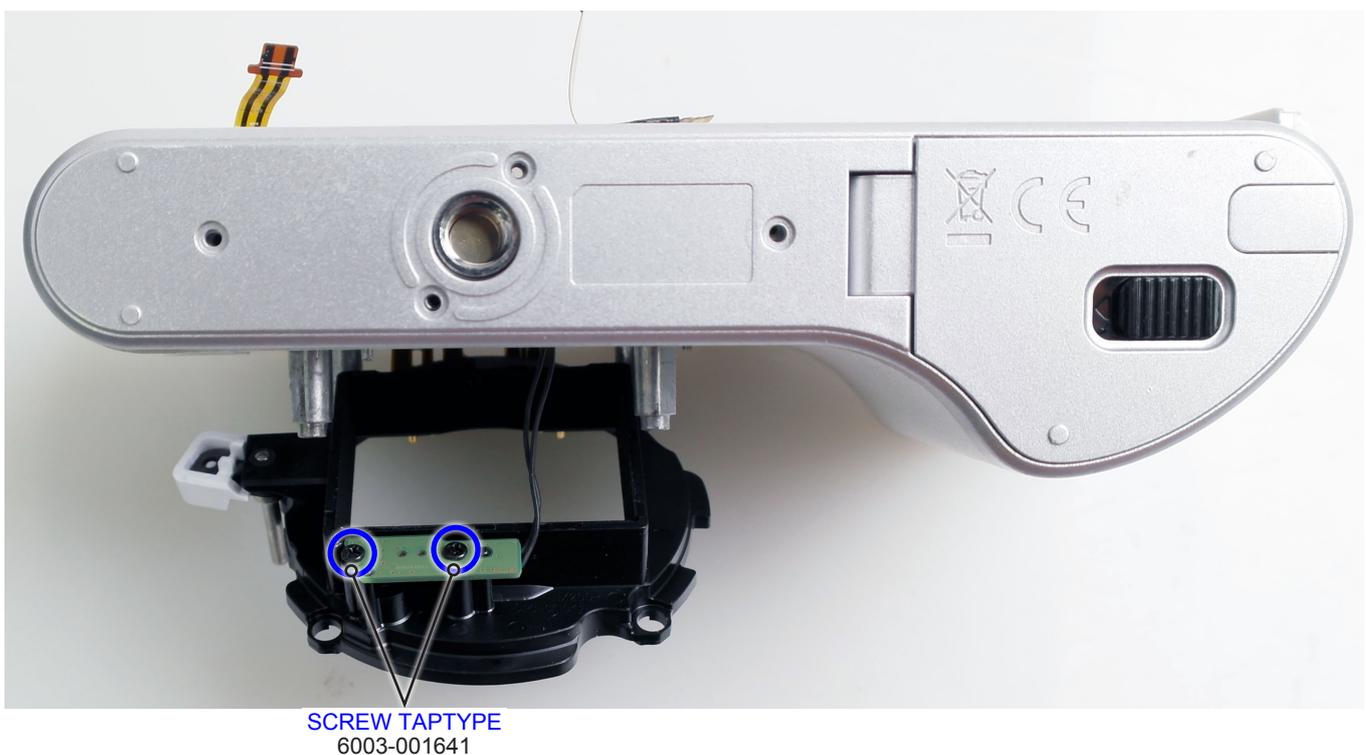
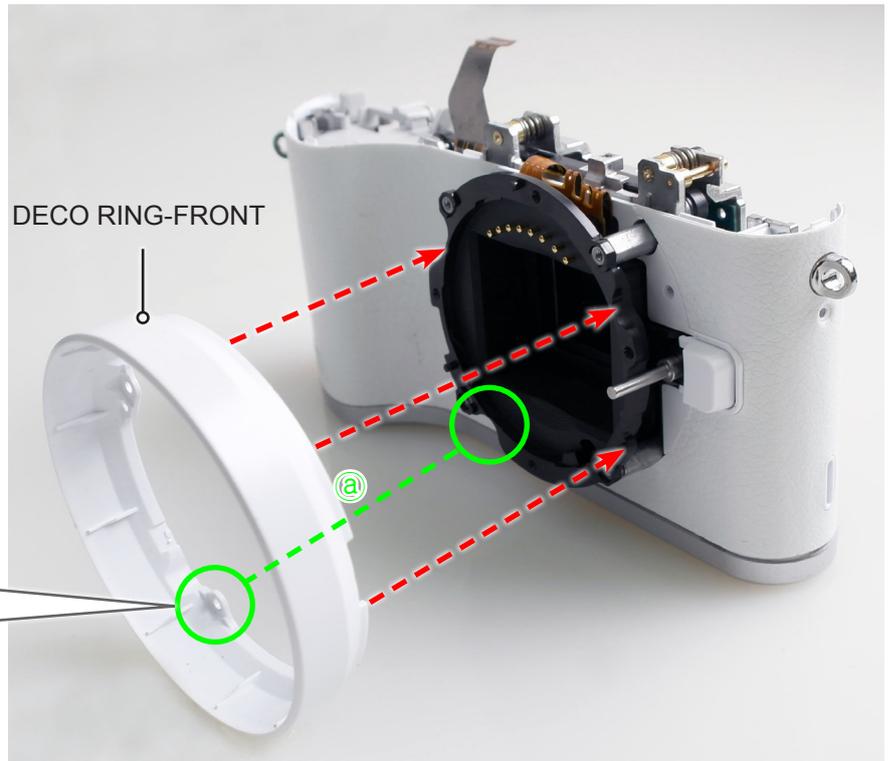
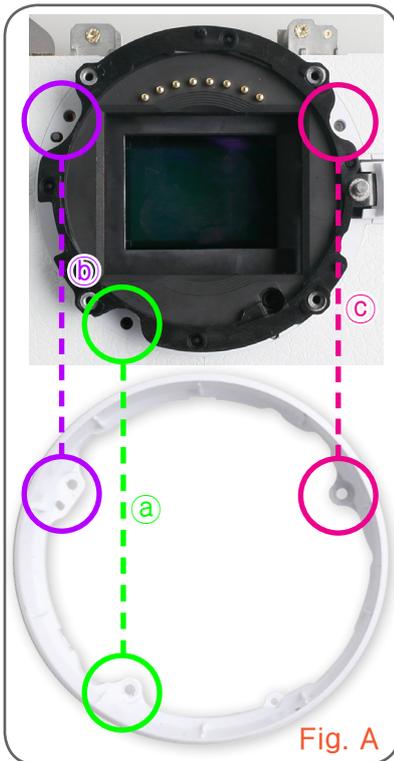
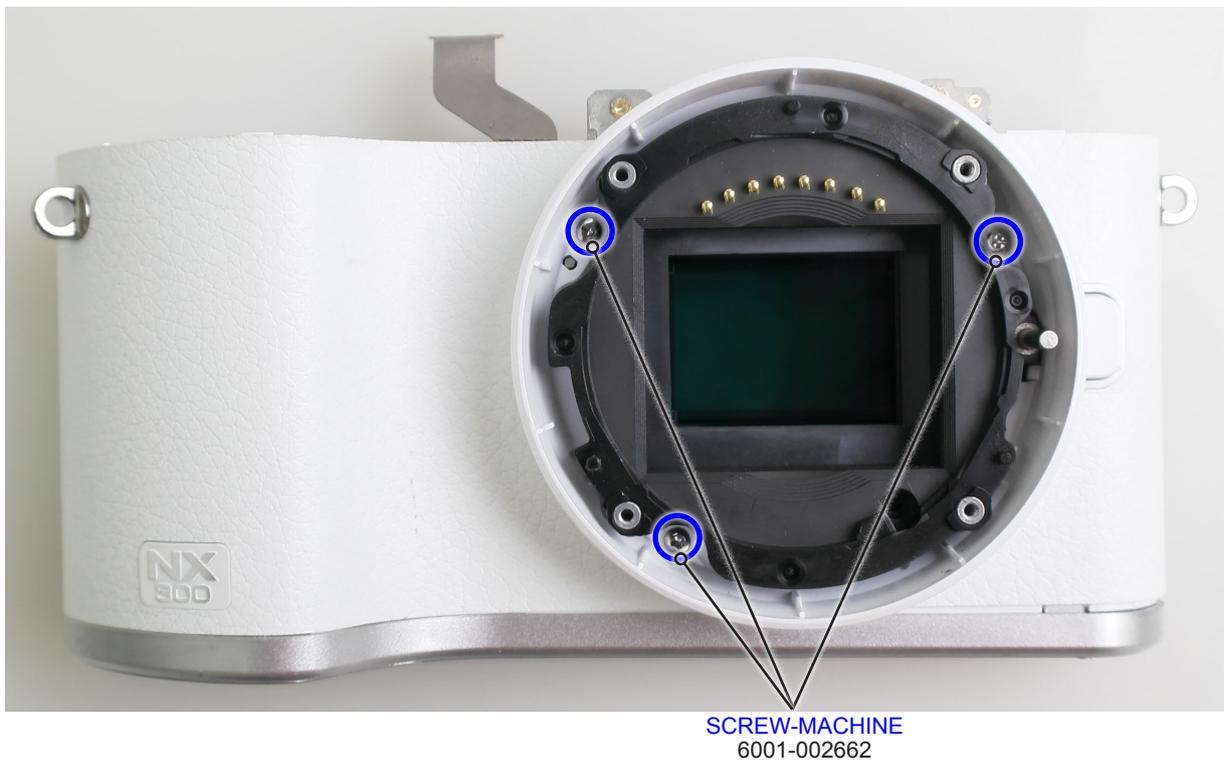


Fig. 3-44

11. Align the parts marked by **a**, **b** and **c** respectively as illustrated in **Fig. A**. Then install the **DECO RING-FRONT**.



12. Tighten the **3 screws**.



13. Install the following parts in the order indicated below.

- ① SPRING-CS
- ② SHAFT-LENS DETECT
- ③ PLATE-MOUNT SPRING
- ④ MOUNT-INNER
- ⑤ PLATE-MOUNT LENS

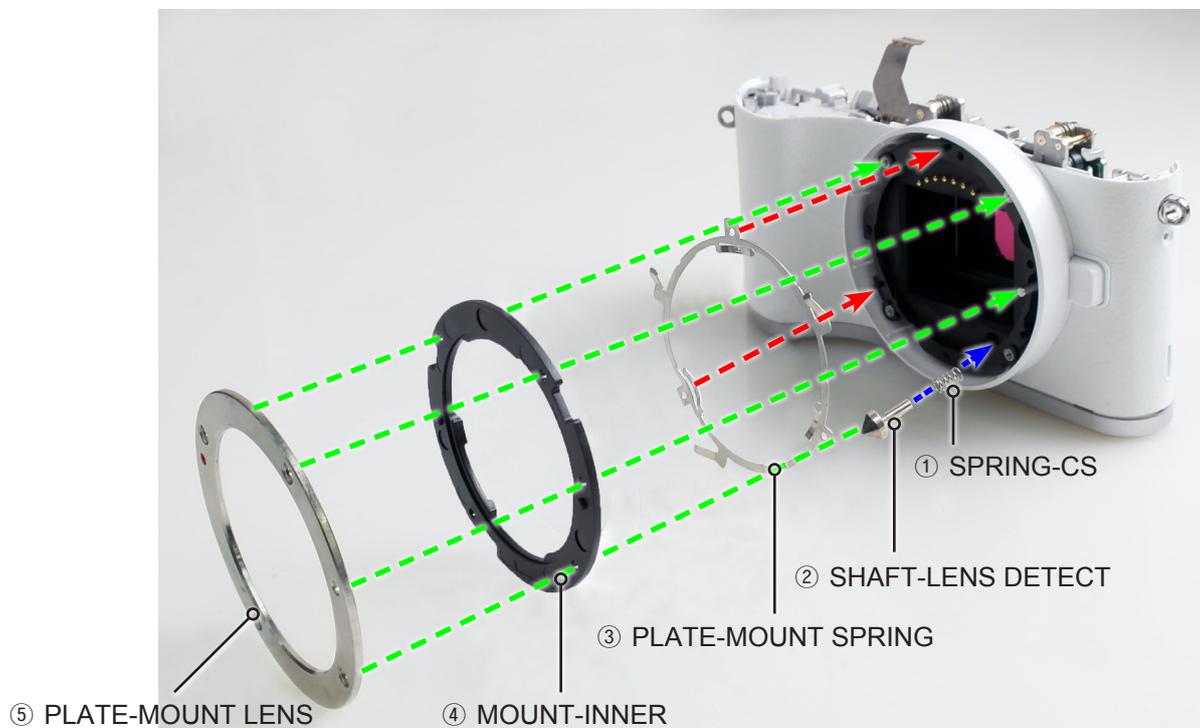


Fig. 3-47

14. Tighten the **4 screws**.



SCREW-MACHINE
6001-002662

Fig. 3-48

3-2-2 General support – Reassembly

1. Install the following parts in the order indicated below.

- ① ASSY DIAL COMMAND
- ② ASSY PCB TOP
- ③ PLATE-HOT SHOE BOTTOM

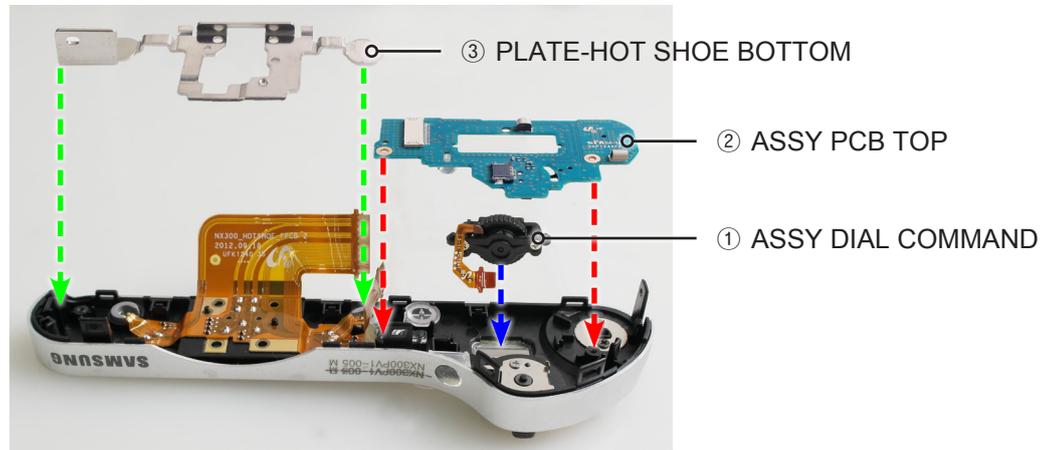


Fig. 3-49

2. Tighten the **7 screws**.

3. Connect the **FPCB** as illustrated in Fig. A.



CAUTION

Use extra care when connecting the FPCB to the connector.

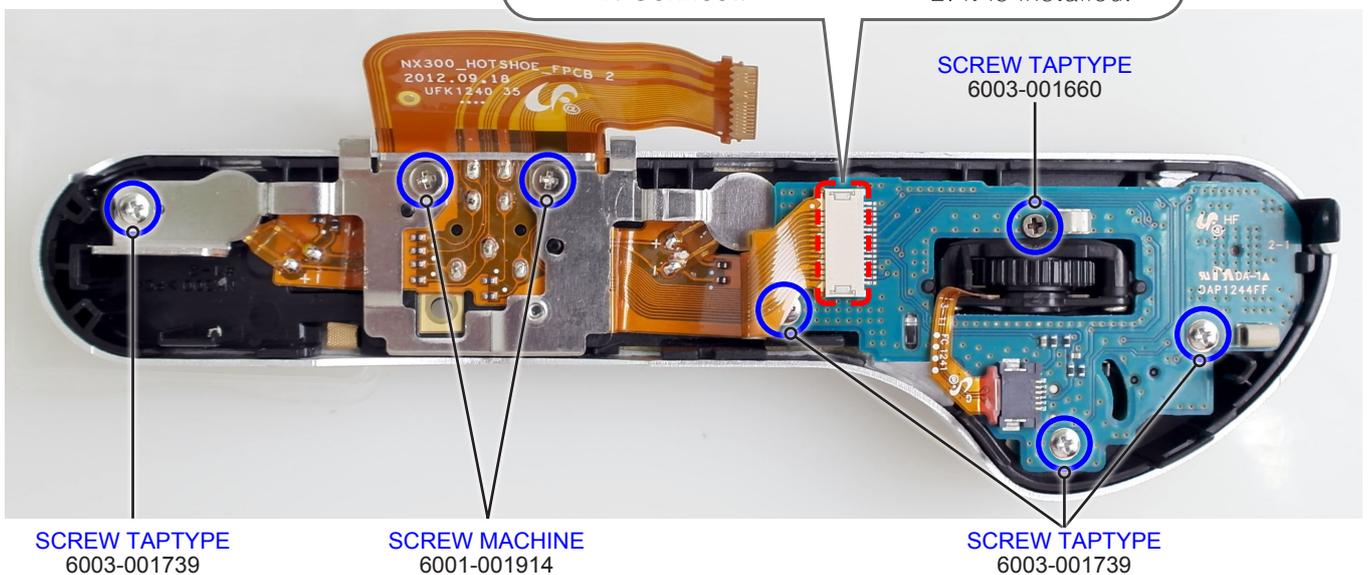
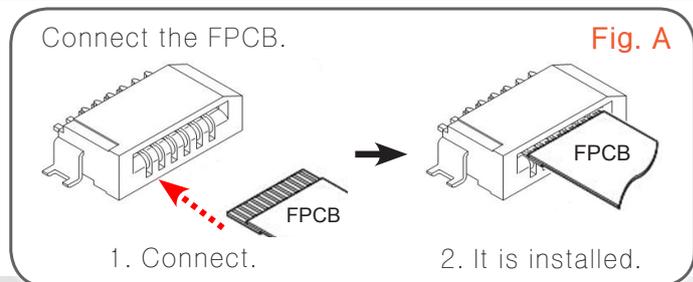


Fig. 3-50

4. Tighten the **screw**.



Fig. 3-51

5. Install the **ASSY COVER-TOP**.

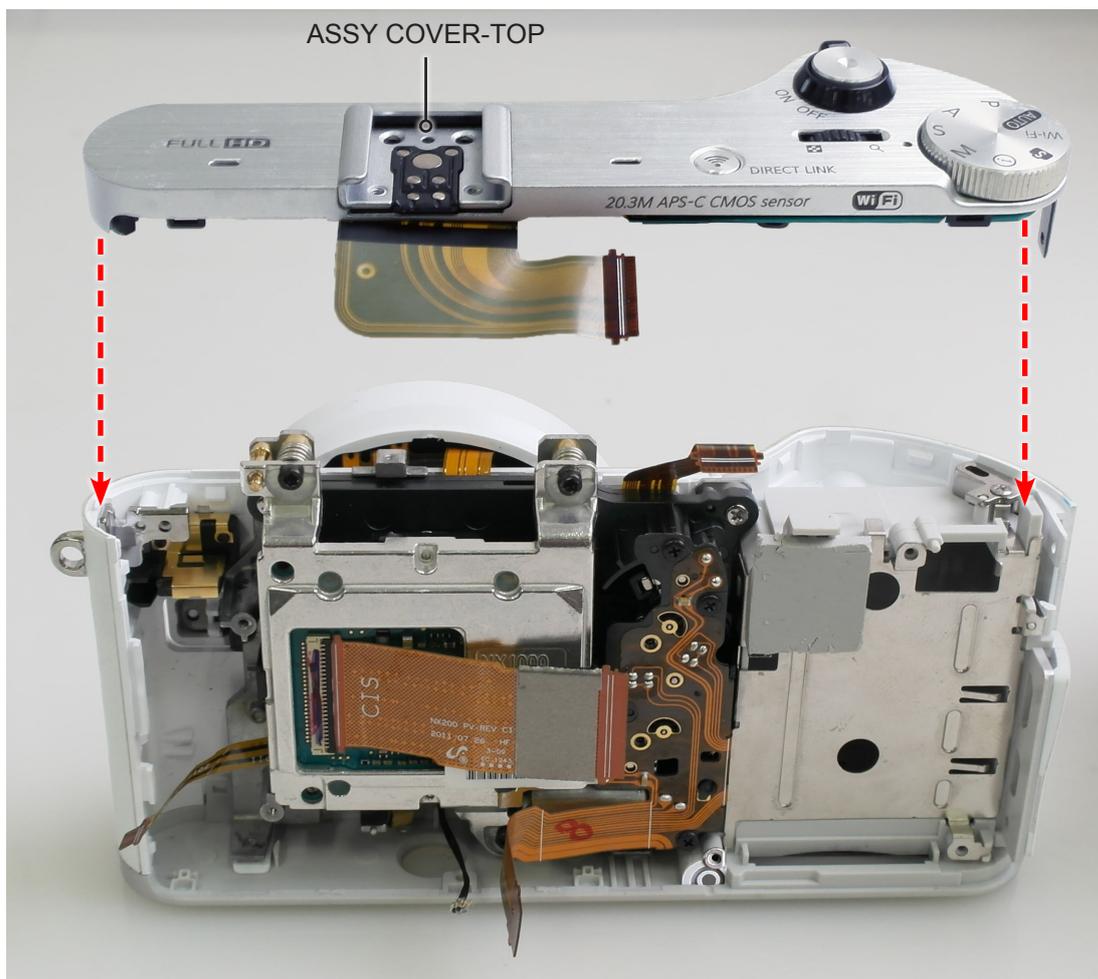


Fig. 3-52

6. Tighten the **screw**.



Fig. 3-53

7. Tighten the **screw**.



Fig. 3-54

8. Install the **ASSY SPEAKER-DRS PCB** and **HOLDER-TRIPOD** as illustrated in **Fig. B** and **Fig. C**.

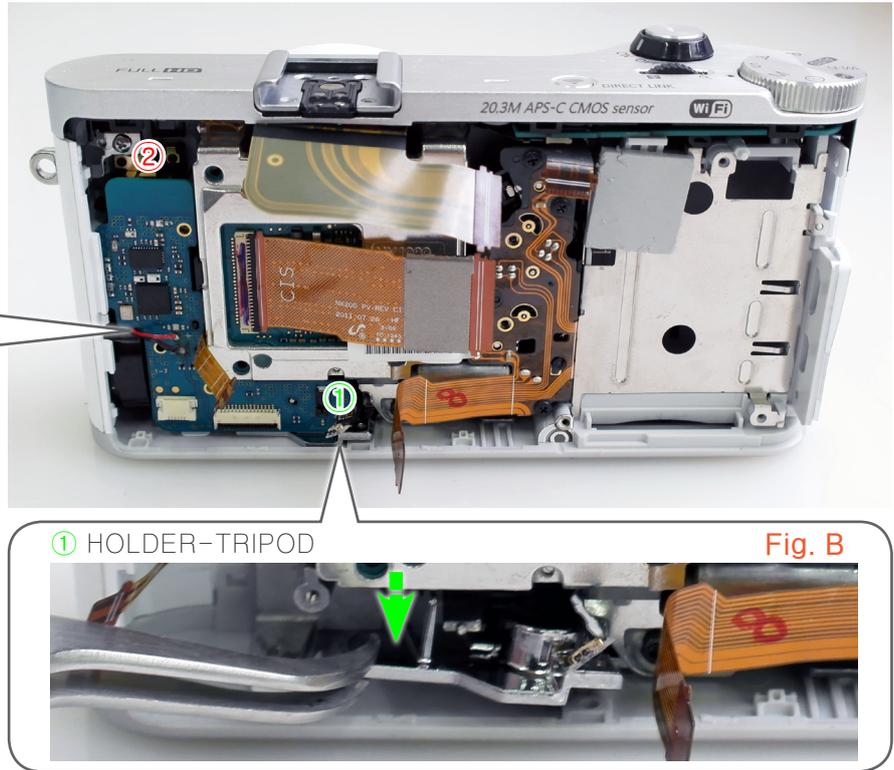
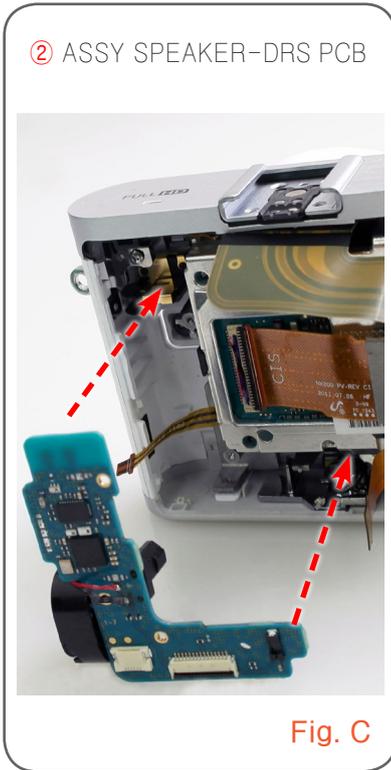


Fig. 3-55

9. Tighten the **3 screws**.

10. Install the **FPCB** and **WIRE** as illustrated in **Fig. D** and **Fig. E**.

CAUTION

Use extra care when connecting the FPCB to the connector.

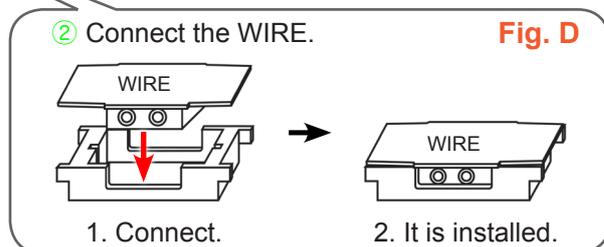
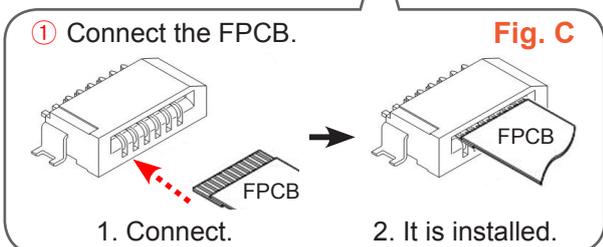
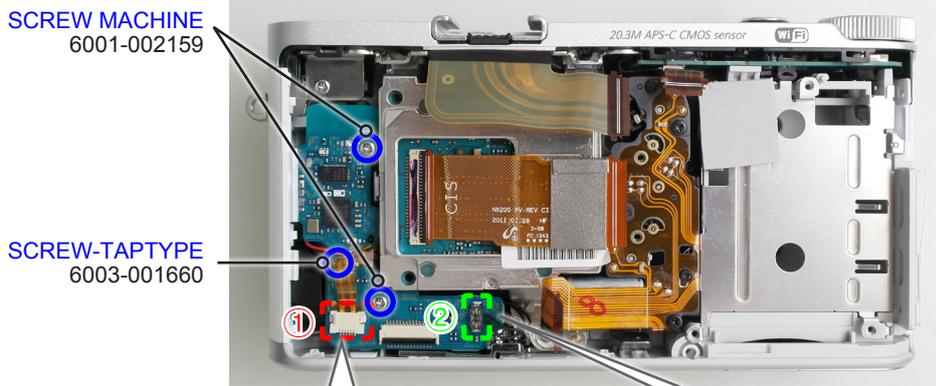


Fig. 3-56

11. Install the **ASSY PCB MAIN**.

ASSY PCB MAIN

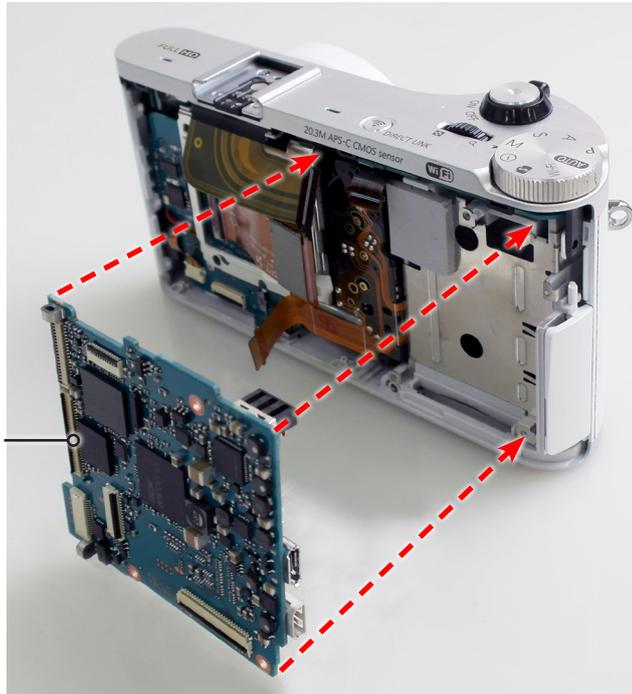


Fig. 3-57

12. Tighten the **3 screws**.

13. Connect the **4 FPCBs** as illustrated in Fig. F, Fig. G and Fig. H.

CAUTION

Use extra care when connecting the FPCB to the connector.

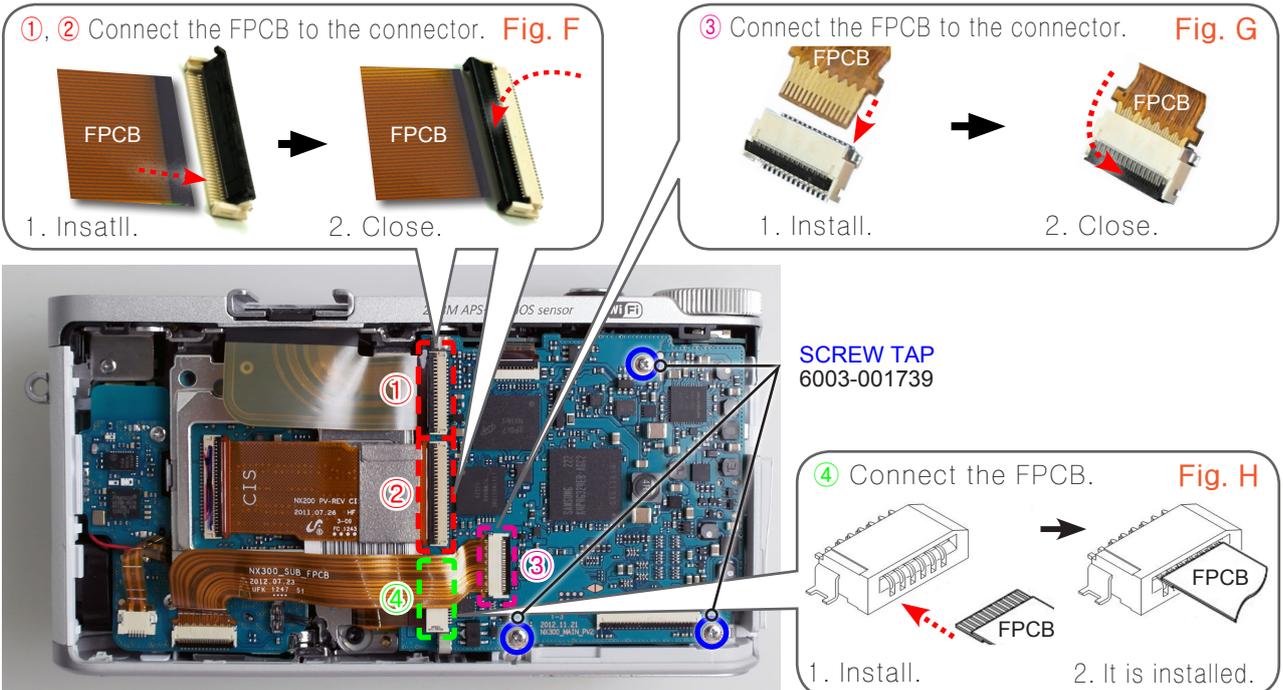


Fig. 3-58

14. Install the following parts in the order indicated below.

- ① ASSY COVER BATTERY
- ② BATTERY COVER SPRING
- ③ SHAFT BATTERY COVER

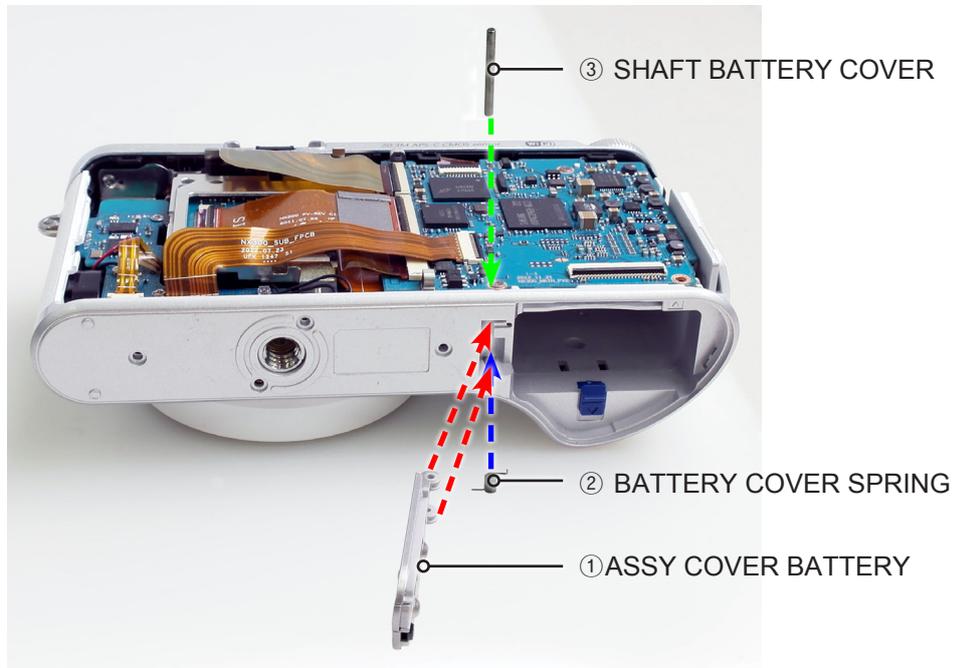


Fig. 3-59

15. Install the following parts in the order indicated below.

- ① MAGNET TILT A
- ② FRAME BACK

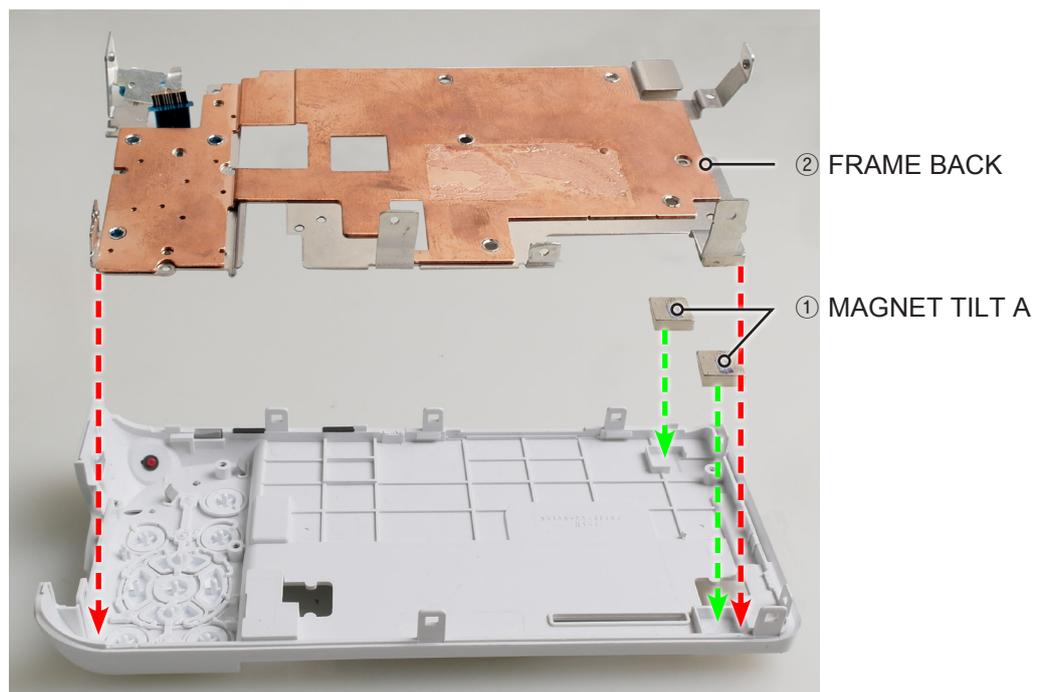


Fig. 3-60

16. Install the **FPCB** as illustrated in **Fig. 1**.

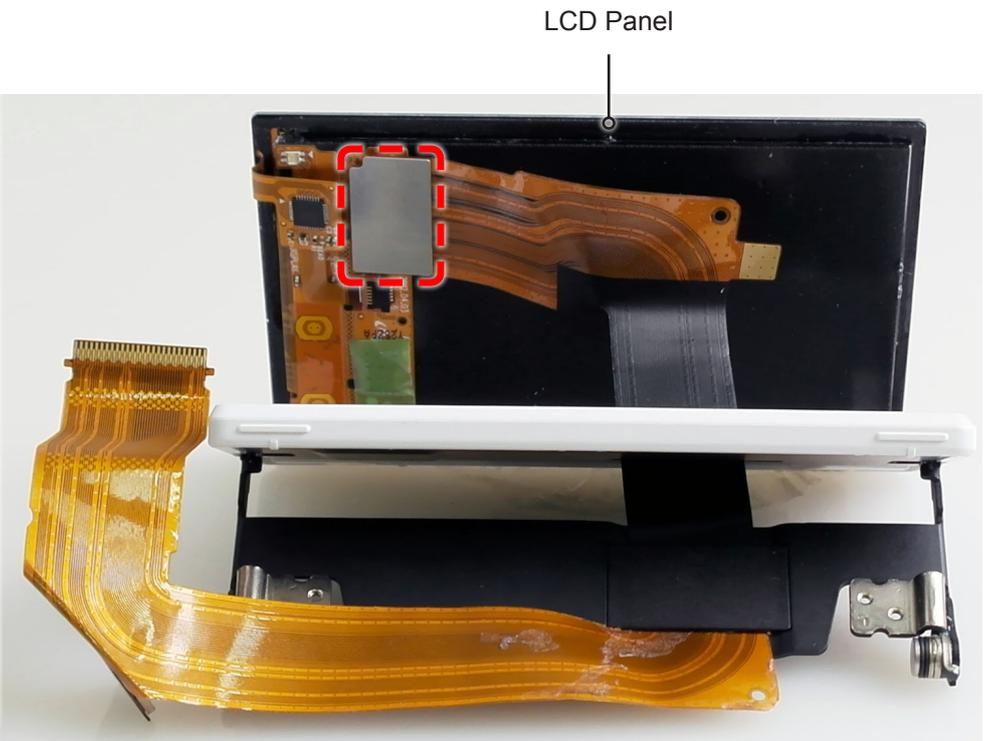
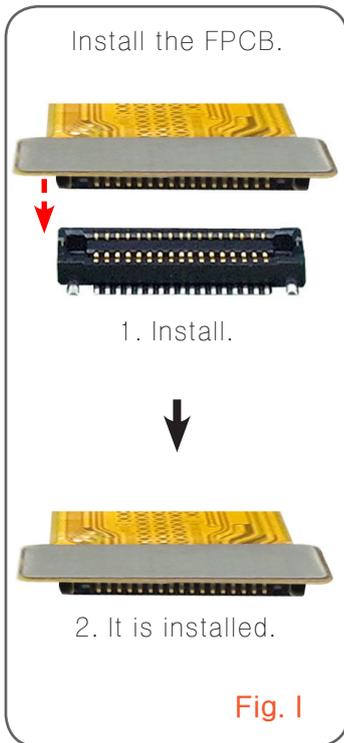


Fig. 3-61

17. Install the **LCD Panel**.

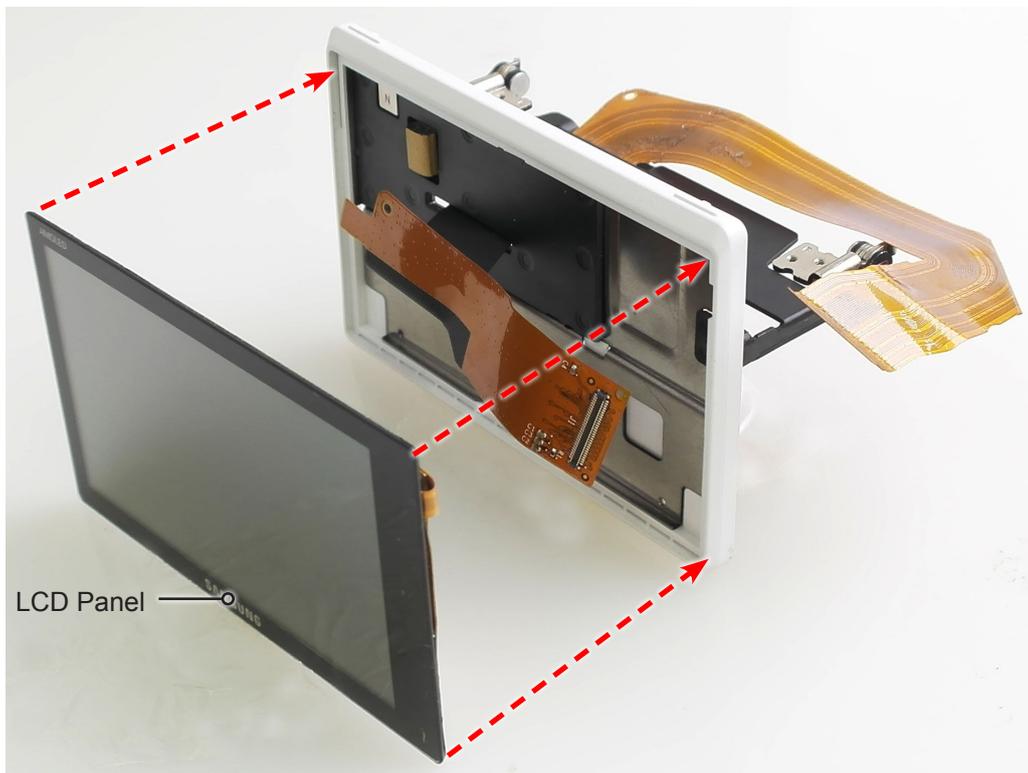


Fig. 3-62

18. Tighten the **screw**.



Fig. 3-63

19. Install the **ASSY TILT LCD**.

CAUTION

Fold the upper right corner down as illustrated in Fig. J when connecting the FPCB to the BACK COVER.



Fig. 3-64

20. Attach the **FPCB** on the FRAME BACK.

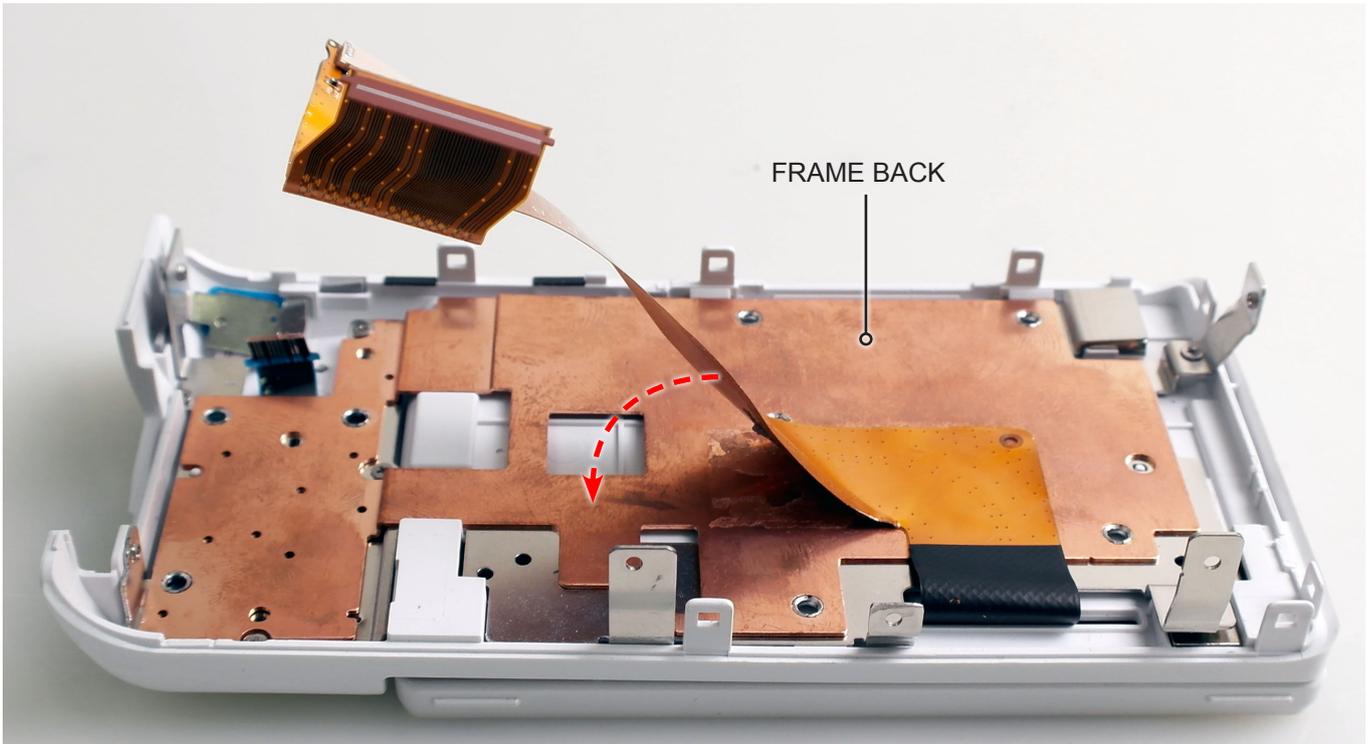


Fig. 3-65

21. Tighten the **4 screws**.

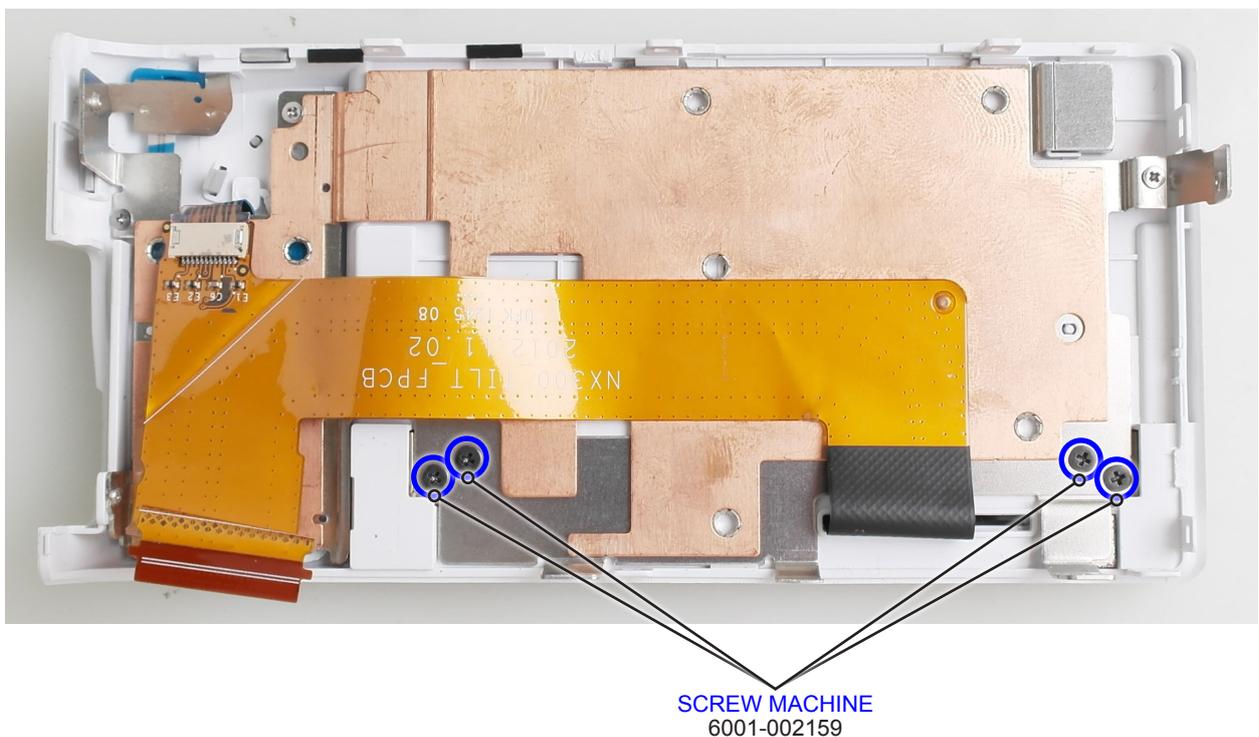


Fig. 3-66

22. Install the **ASSY BACK**.

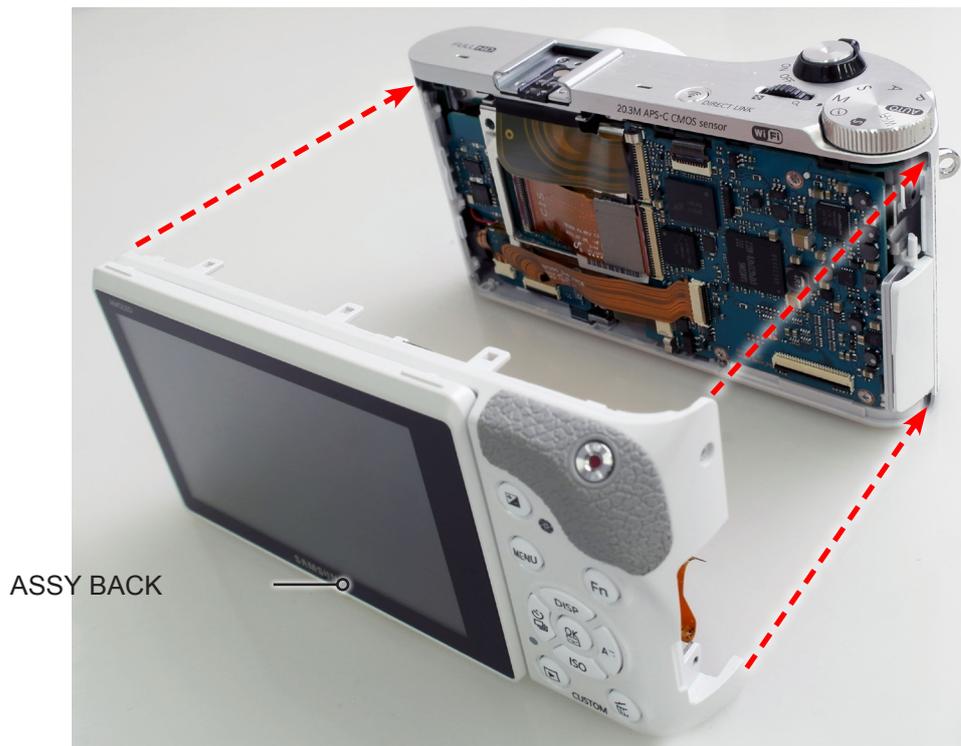


Fig. 3-67

23. Connect the **FPCB** as illustrated in Fig. K.

CAUTION
Use extra care when connecting the FPCB to the connector.

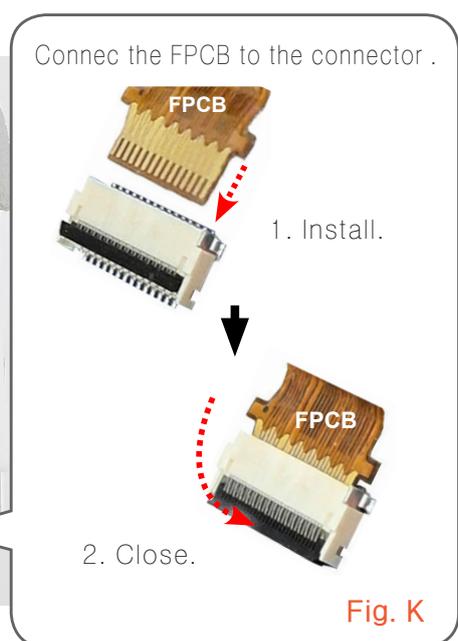


Fig. 3-68

24. Tighten the **1 screw** on the left side, **2 screws** on the right side and **5 screws** on the bottom side.

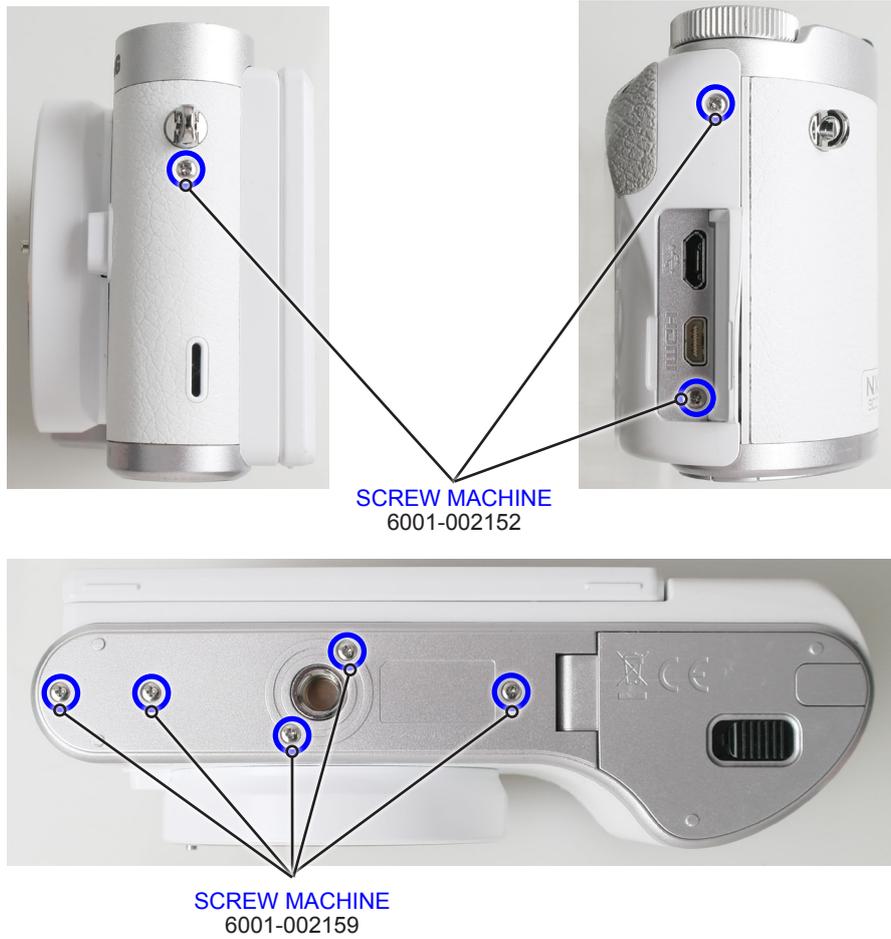
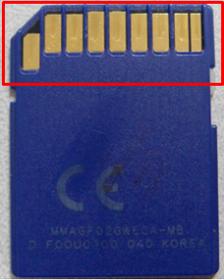
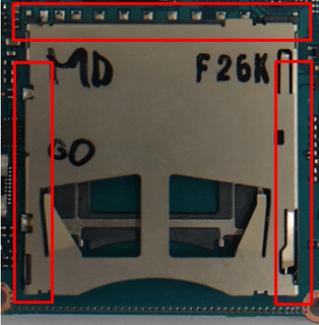


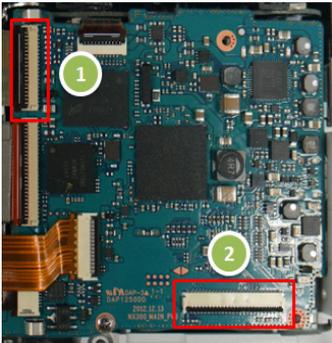
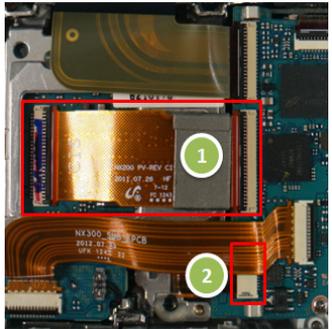
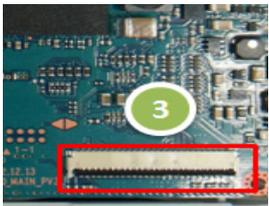
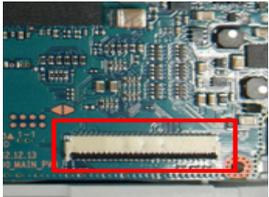
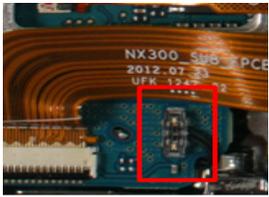
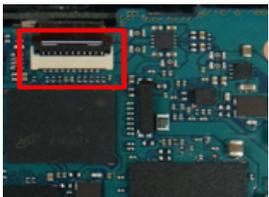
Fig. 3-69

4. Troubleshooting

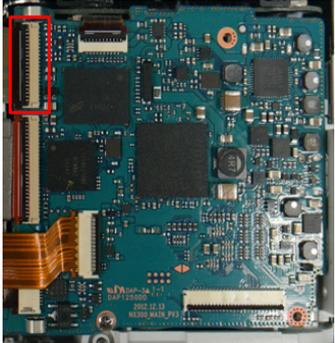
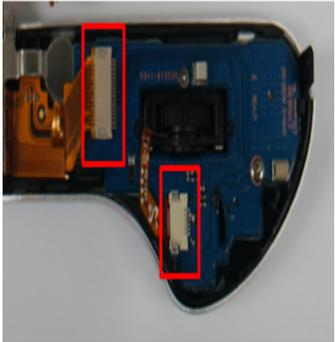
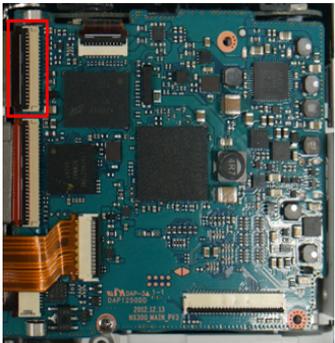
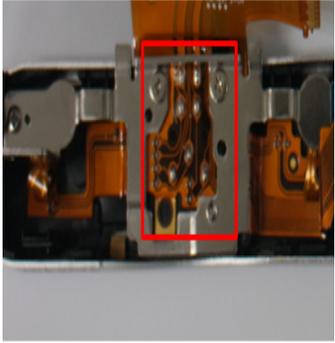
4-1 Regarding to memory card recognition

Symptom	Explanation/Solution	Note
	<p>Check the PAD of SD card for damage or dirt. Place the memory card on a table in front of you with the metal contacts facing up. Scrub the contact area with your brush, wiping away any corrosion, dirt or grime on the contacts. Recheck if the SD card is being recognized.</p>	
<p>Memory card is not recognized.</p>	<p>Check the mechanical failure of SD card socket of Main PCB. Check the SMD and other surrounding components.</p>	

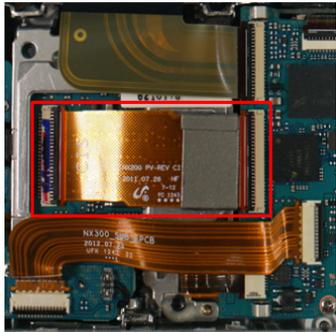
4-2 Regarding to MAIN PCB connection

Symptom	Explanation/Solution	Note
1. Power does not work.	1. Check the connection between MAIN PCB and TOP PCB.	
	2. Check the connection of TILT FPCB. (It may be LED problem. Double check if LED is not blinking.)	
2. LCD displays black.	1. Check the connection of CIS FPCB.	
	2. Check the connection of SHUTTER FPCB.	
	3. Check the connection of TILT FPCB.	
3. KEY button on the rear side does not work. (MENU, Fn, recording, playback, delete, 4-way direction button)	Check the connection of TILT FPCB.	
4. LENS is not being recognized. (It displays saying "Les is not attached.")	Check the connection of WIRE HARNESS on DRS PCB.	
5. It does not display "F#" correctly on the bottom of LCD screen. (Instead it displays "F--" on the bottom of LCD screen.)	Check the connection of LENS FPCB on MAIN PCB.	

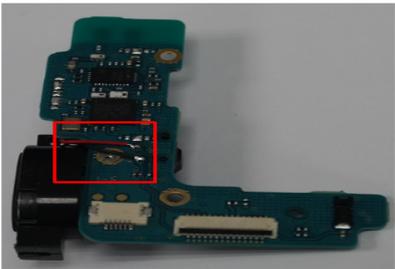
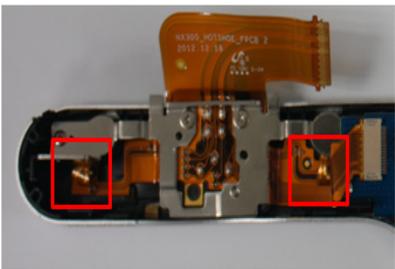
4-3 Regarding to TOP

Symptom	Explanation/Solution	Note
<p>1. Power, Mode Dial and Command Dial do not work.</p>	<p>Check the connection between MAIN PCB and TOP PCB.</p>	
	<p>Check the connection FPCB on TOP PCB.</p>	
<p>2. External Mic, External Flash and GPS do not work.</p>	<p>Check the connection between MAIN PCB and TOP PCB.</p>	
	<p>Check the soldering of HOTSHOE on TOP.</p>	

4-4 Regarding to image display

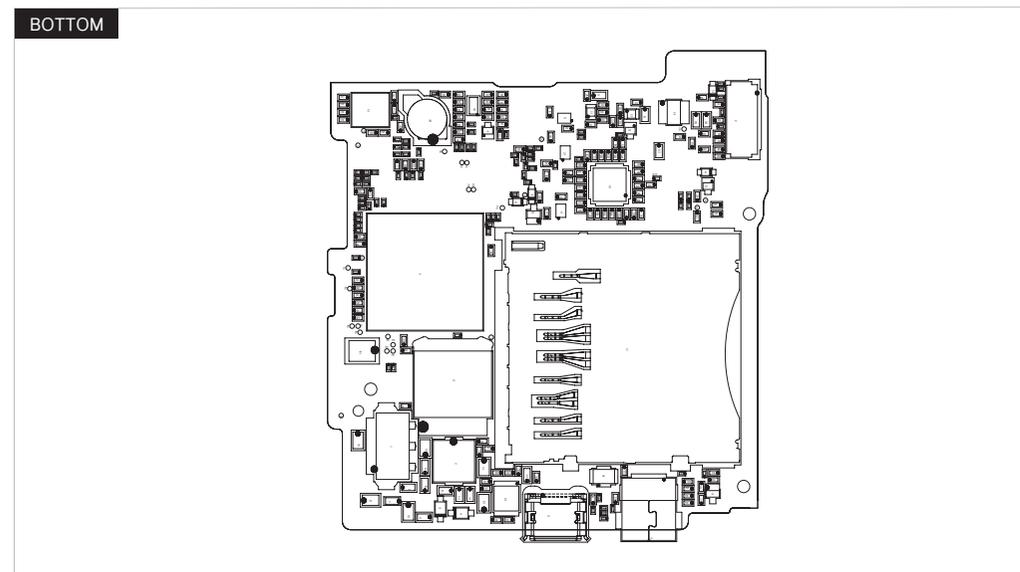
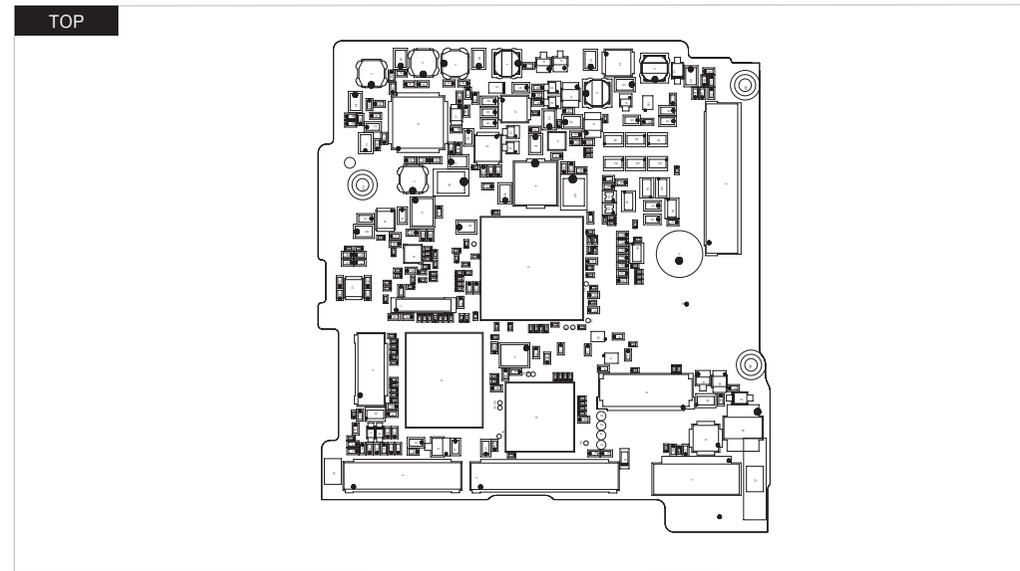
Symptom	Explanation/Solution	Note
It is displayed vertical and horizontal line noise and blurry images.	Check the connection of CIS FPCB.	
	Check the connection of TILT FPCB.	

4-5 Regarding to voice playback and recording

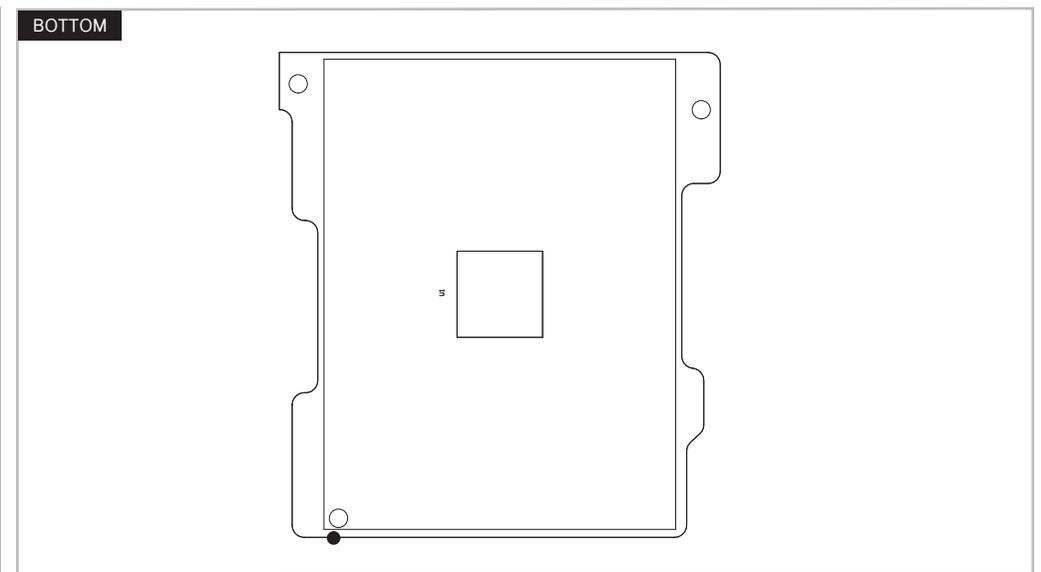
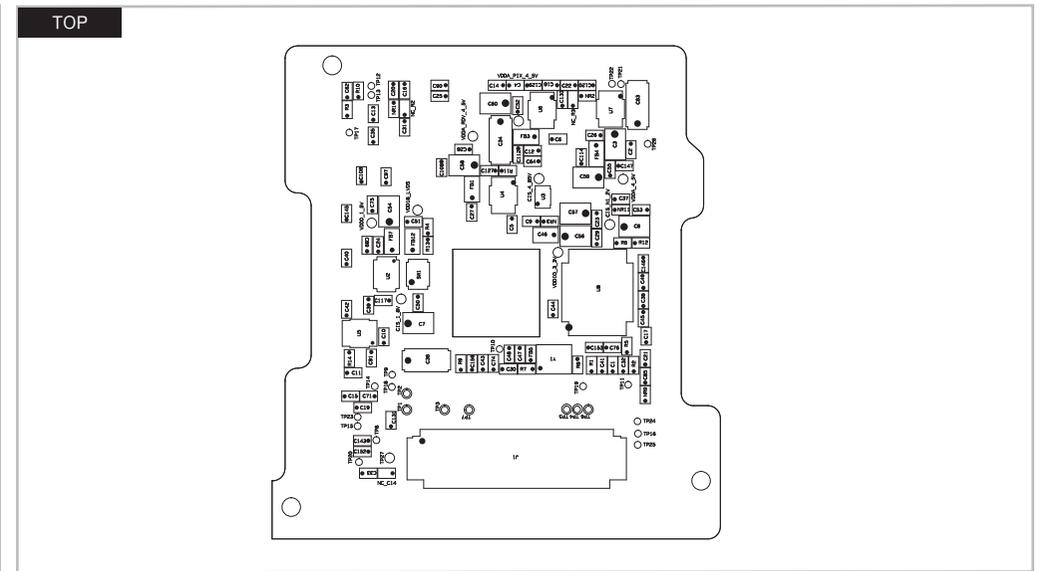
Symptom	Explanation/Solution	Note
Can not hear anything.	Check the soldering of speaker wire. - Whether it is connected negative or positive properly. - Whether the wire is down or wire soldering comes off.	
There is sound when pressing button. However, voice recording does not work.	Check the soldering of FPCB. - Whether it is connected negative or positive properly. - Where FPCB is torn.	

5. PCB diagram

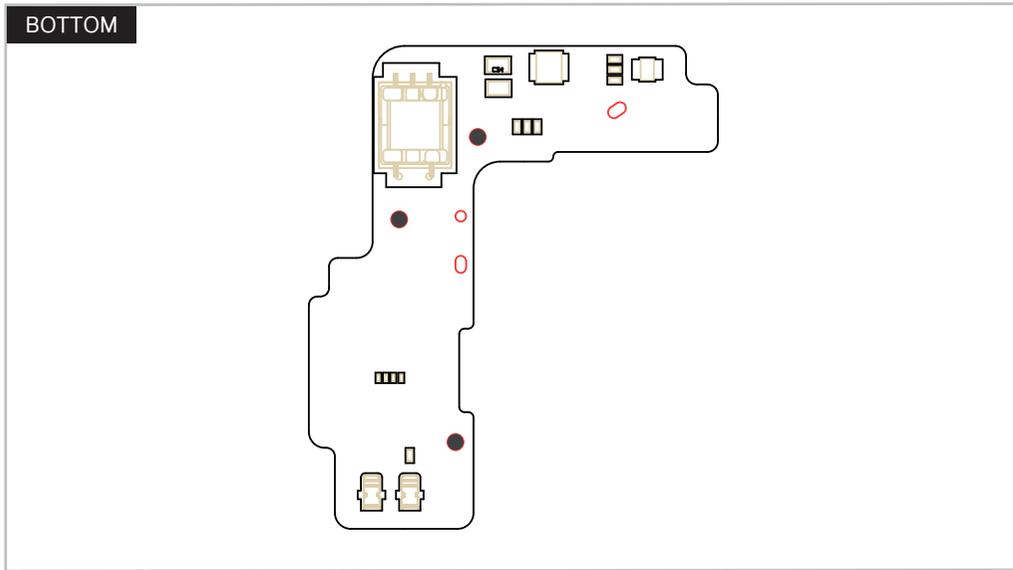
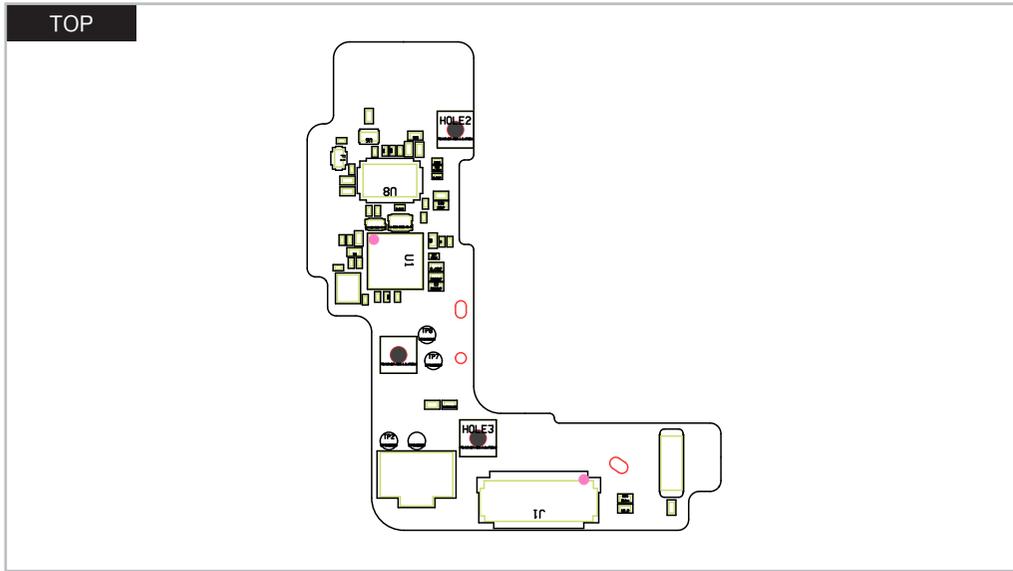
5-1 MAIN PCB



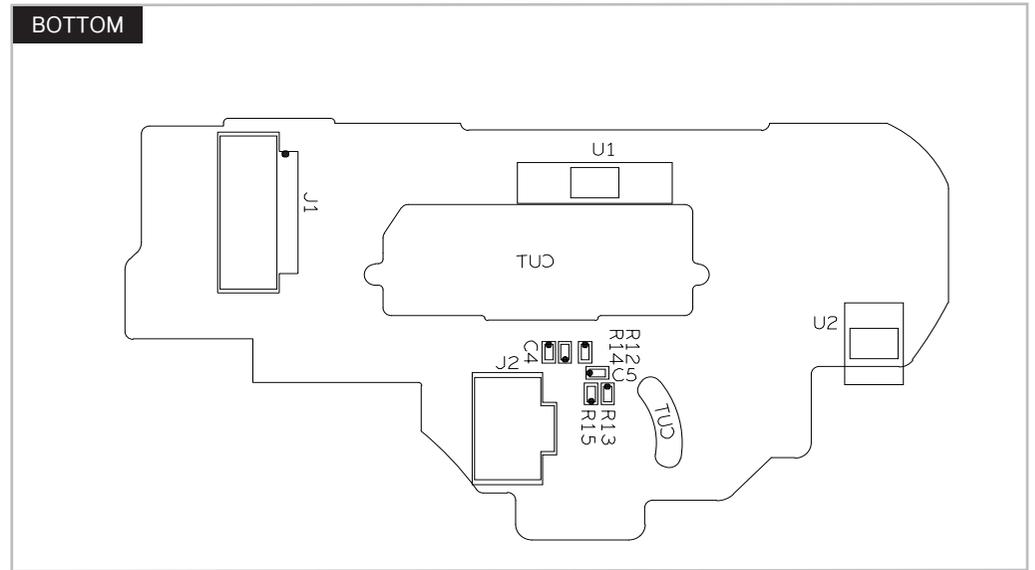
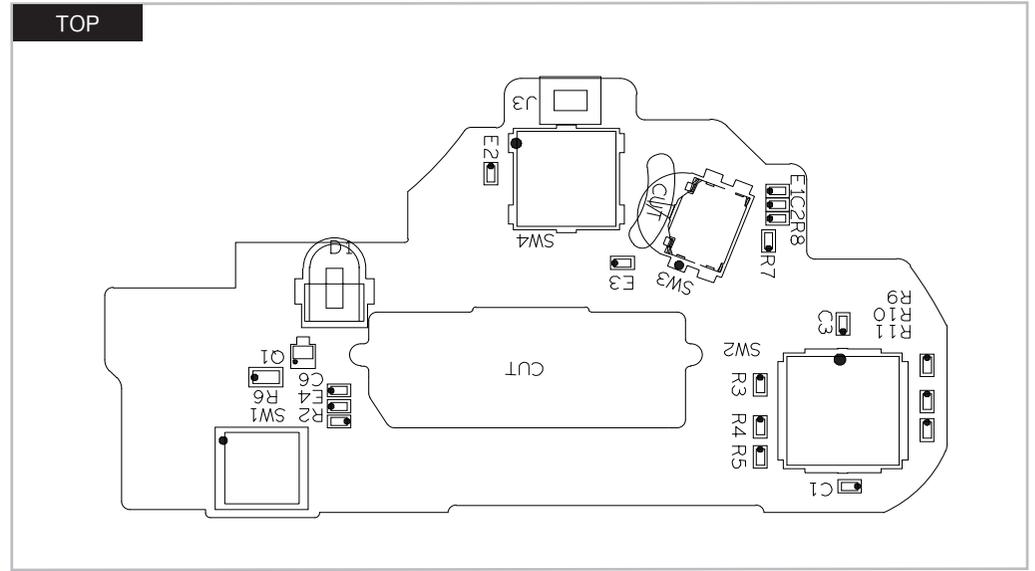
5-2 CIS PCB



5-3 BACK PCB

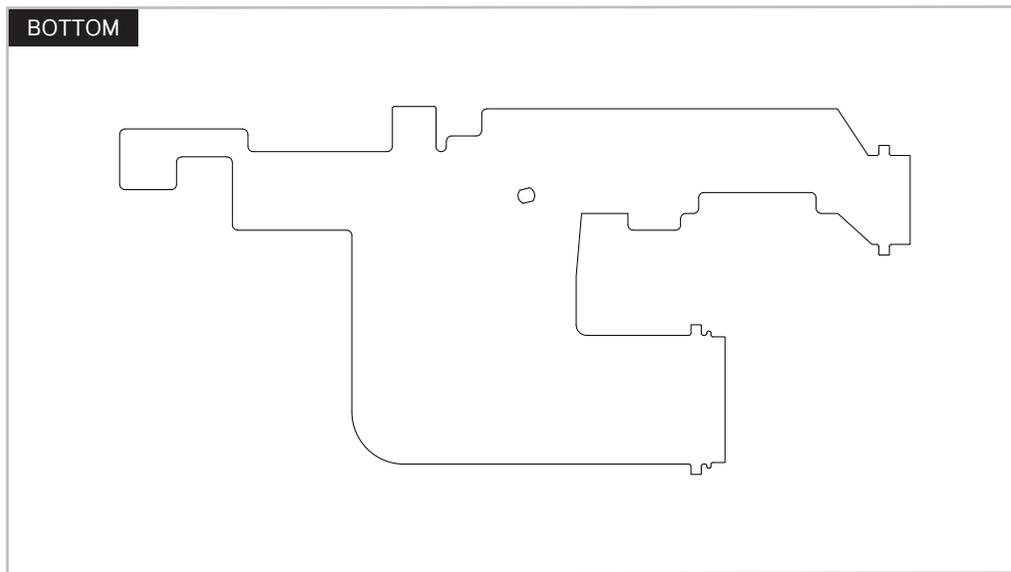
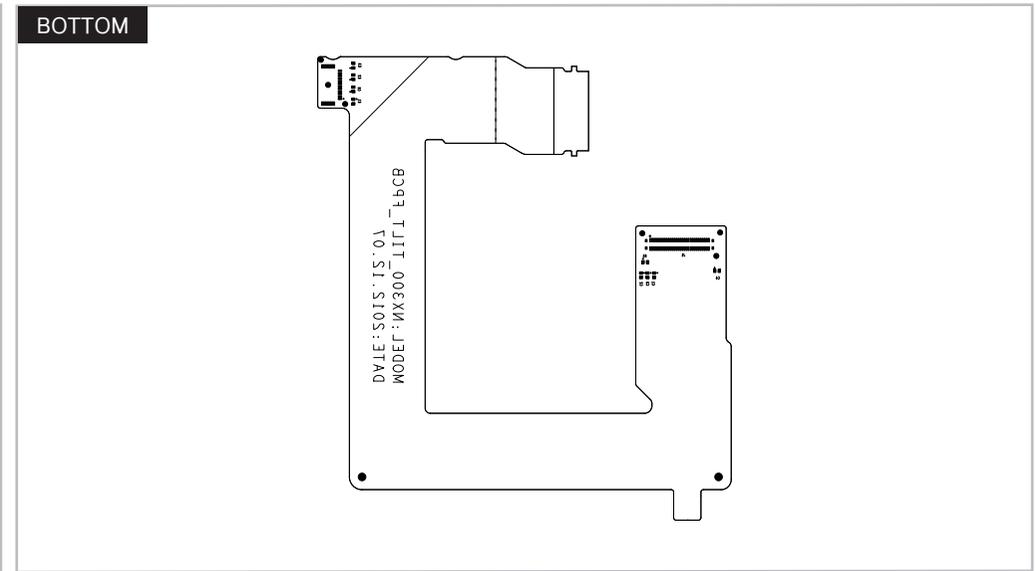
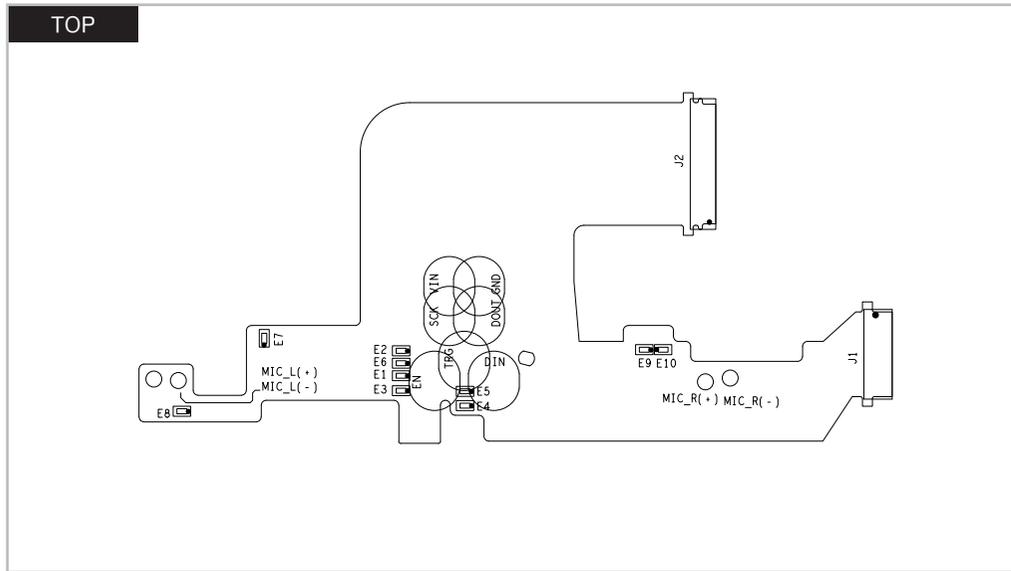


5-4 TOP PCB



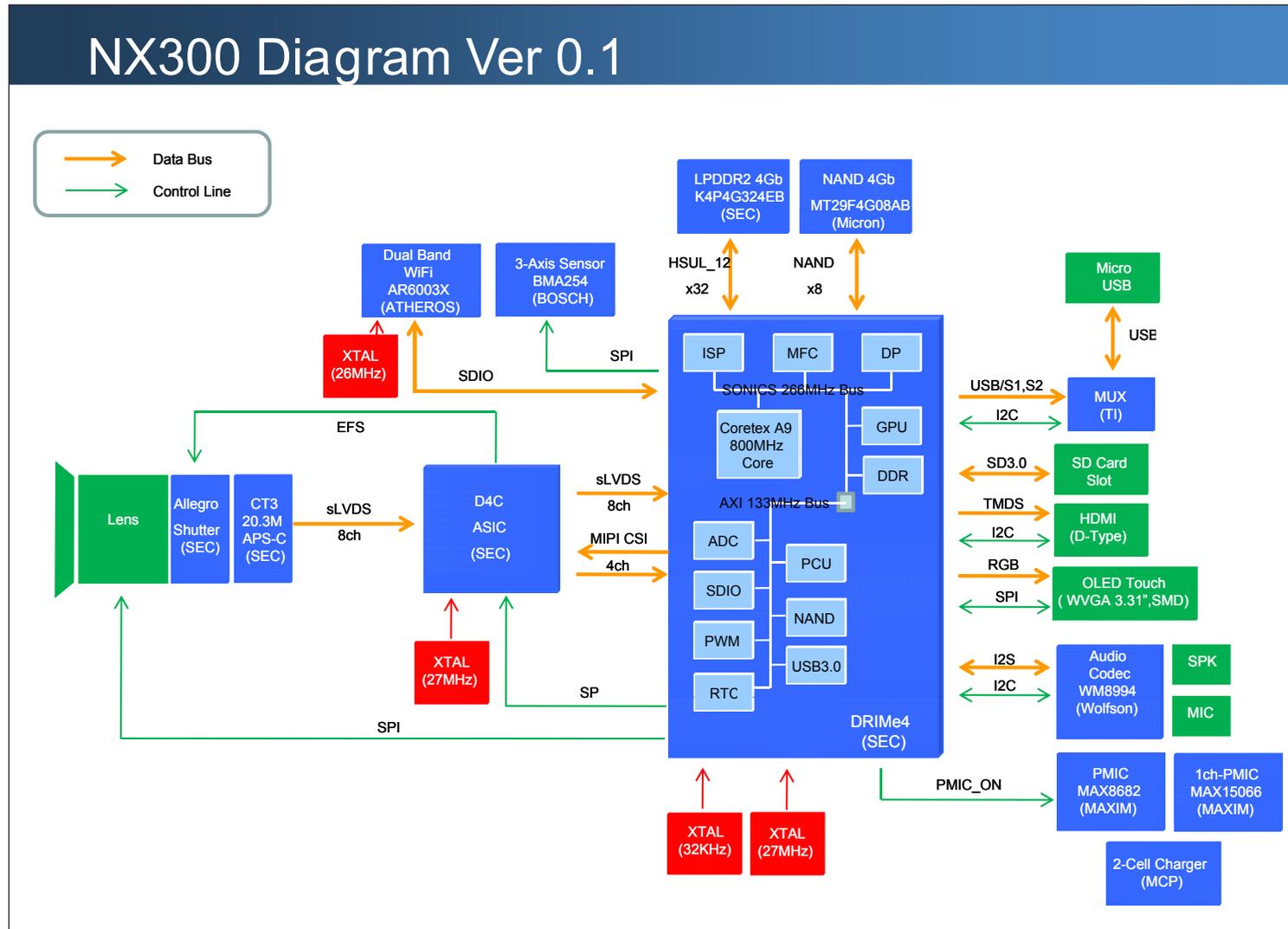
5-5 HOT SHOE PCB

5-6 TILT PCB



6. Block diagram

6-1 Block diagram



7. Firmware update

7-1 Factory data reset



- This section describes how to reset the factory data.

1. Copy files such as nx_cs.adj & nx_dev.adj into the root directory of the SD Card. Insert the SD Card into the camera.



Fig. 7-1

2. Power on the camera.

3. Select the Smart Auto Mode.



Fig. 7-2

Firmware update

4. Press the following buttons as shown below.

- (1) Down -> (2) OK -> (3) Up -> (4) OK -> (5) Right -> (6) Press and hold the EV button and then press OK button.

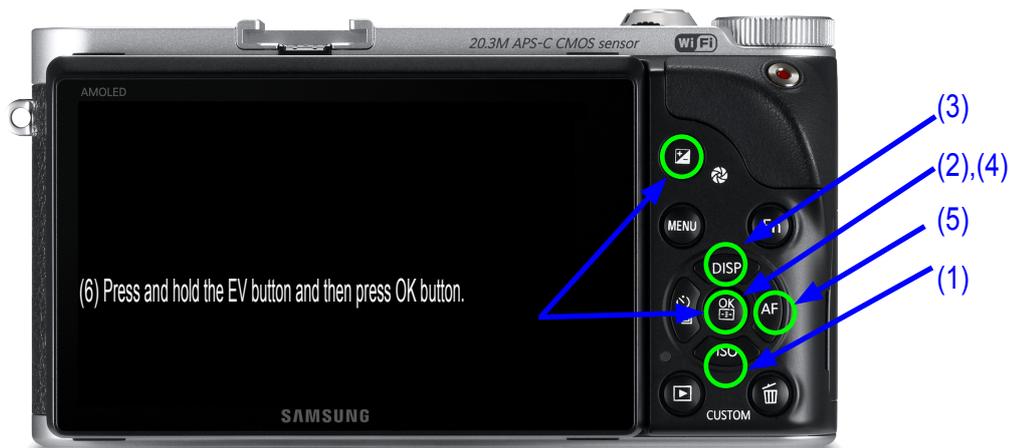


Fig. 7-3

5. After selecting the SYSTEM PARAMETER, press the OK button.



Fig. 7-4

6. Press the OK button to select the FACTORY RESET.



Fig. 7-5

7. Power off the camera.

8. Power on the camera and check the initialization setting to insure that it is successfully initialized.

7-2 Firmware update by using user menu



▪ This section describes how to update the latest version of firmware for camera body.

CAUTION

- **Make sure the battery is fully charged. Or use the AC adaptor.**
- **Since all the files stored in the internal memory will be deleted, ensure that important files are copied to other storage device.**

1. Copy the latest firmware file such as nx300.bin into the root directory of the SD Card. Insert the SD Card into the camera.



2. Power on the camera.

3. Press Menu -> Go to Settings -> Select Device Information -> Select Firmware Update.

4. Select the Body Firmware.

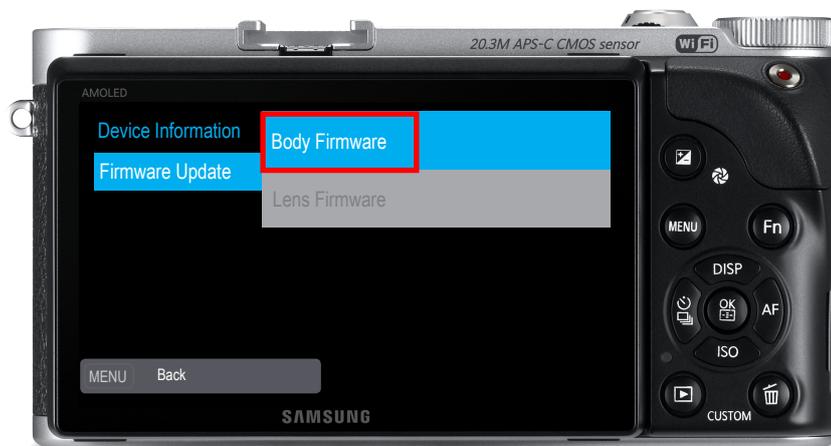


Fig. 7-6

5. Select Yes to begin the firmware update.



Fig. 7-7

CAUTION

- **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. 7-8

7-3 Firmware update by using CS menu



■ This section describes how to update the latest version of firmware for camera body.

CAUTION

- **Make sure the battery is fully charged. Or use the AC adaptor.**
- **Since all the files stored in the internal memory will be deleted, ensure that important files are copied to other storage device.**

1. Copy the nx_dev.adj file into the root directory of the SD Card. Insert the SD Card into the camera.

2. Power on the camera.

3. Select the Smart Auto Mode.



Fig. 7-9

4. Press the following buttons as shown below.

(1) Down -> (2) OK -> (3) Up -> (4) OK -> (5) Right -> (6) Press and hold the EV button and then press OK button.



Fig. 7-10

5. Select FW UPDATE-> Select BODY FW UPDATE.



Fig. 7-11

Firmware update

6. Press the OK button to begin the body firmware update. Once it is complete, camera will turn off automatically.

CAUTION

- Firmware update will take about 5 minutes. It will reboot twice during the firmware update process. Screen seems to be turned off. However, do not turn off the camera or operate camera. Once the update is complete, it will display update complete message on the screen.



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.



CAUTION

It is not necessary to go over all the adjustment process again since the existing adjustment data is not deleted.

You will need:

1. SD card less than 1GB
(It is recommended to use a SD card with less than 1GB. Occasionally a device may not read a SD card. Attempt to use different types of SD cards.)
2. Tweezer (It is used to short out the TP on MAIN PCB.)
3. The latest firmware files such as nx300.bin
You can download the latest firmware file from the K-zone or Samsung website.
4. recovery file such as dnloader.bin
Note that the name of the firmware file may vary depending on NX model.

MAIN PCB recovery instruction:

1. Remove the screws and remove the back cover.
2. Download the latest firmware file and one recovery files and copy them to the SD card.
3. Connect the connector of back cover to MAIN PCB.
Insert the fully charged battery and SD card into the camera.
4. Short out opener pad, which is boot terminal point of TP with tweezers as indicated in red circle. It has been up.
Then press the power button to turn on the camera.
5. LED will turn on when power is on. Then remove the tweezers.
6. LED will blink when tweezers are removed.
Then MAIN PCB recovery process will proceed. It will take about 2 to 3 minutes.
7. LED will turn off when the recovery process is complete.
8. Turn on the camera. You may resume using the camera.

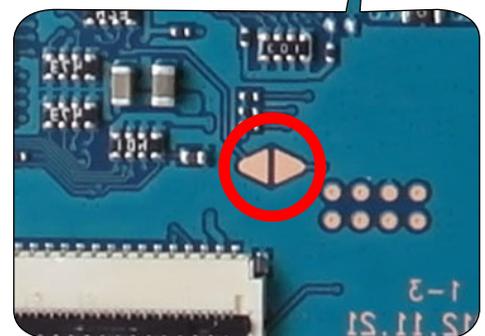


Fig. 7-13

8. Adjustment

8-1 Adjustment items



- The necessary items are fixed according to replacing parts.

	MAIN PCB	CMOS ASSY	SHUTTER ASSY	FRONT COVER or Mount ASSY
FIRMWARE UPGRADE	0	-	-	-
CIS Tilt ADJ	-	0	0	0
CIS DOT Data	0	0	-	-
SHUTTER ADJ	0	-	0	-
ISO ADJ	0	0	0	-
AWB ADJ	0	0	-	-
VFPN, Defact ADJ	0	0	-	-
Color Shading ADJ	0	0	0	-
S/N, MAC addr	0	-	-	-
PAF ADJ	0	0	0	0
NFC Writing	0	-	-	-

<Table 8-1>

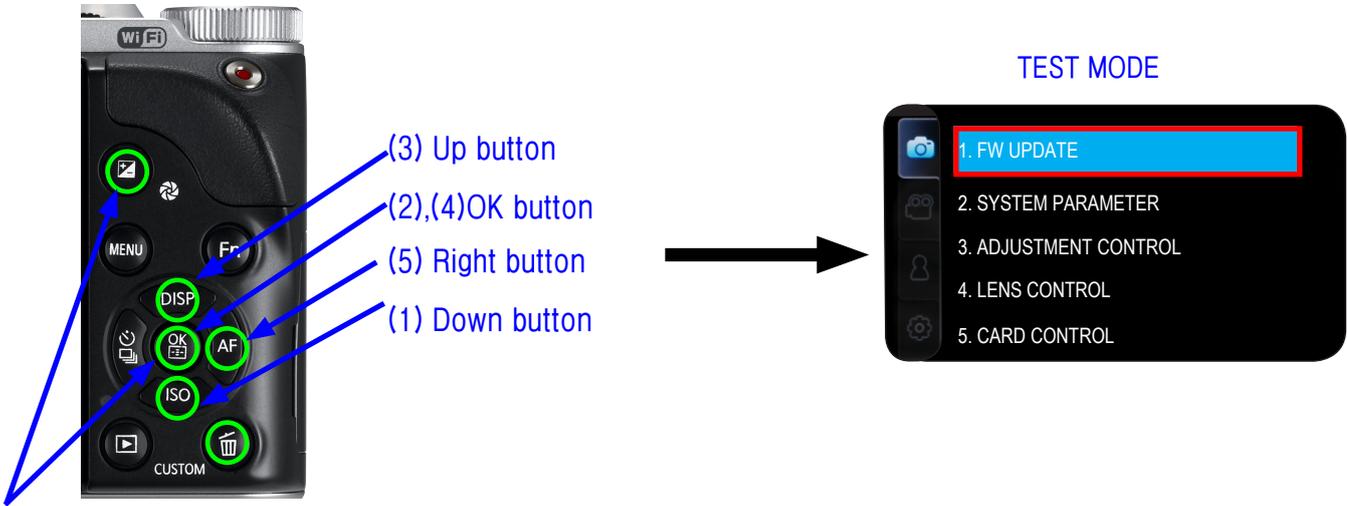
2. Adjustment Equipment

- Light Source Box 1 : LV-1450DC (3200K±50, Lv12)
- Light Source Box 2 : LSB-1/10 (5500K±100, Lv. 12)
- PAF regulator
- NFC Writer

8-2 Test Mode

1. Turn on the camera by turning the power switch to the right. Select the AUTO (Smart Auto) by turning the mode dial to the right. Press the following buttons to display the test mode as shown below.

(1) Down button -> (2) OK button -> (3) Up button -> (4) OK button -> (5) Right button -> (6) Press and hold the EV button and then press OK button.



(6) Press and hold the EV button and then press OK button.

Fig. 8-1

2. The following table describes the menu function.

Menu	Sub menu	Description
1. FW UPDATE	(1) BODY FW UPDATE (2) LENS FW UPDATE (3) EXT. FLASH FW UPDATE (4) DSP FW UPDATE (5) RESET USERDATA	Display and update the firmware. This function is used for updating the firmware by using cs menu. .
2. SYSTEM PARAMETER	(1) FACTORY RESET (2) POWER OFF TEMP. (3) DISABLE CHINESE LANG (4) DISABLE DISPLAY SEVE (5) DISABLE POWER SEVE (6) DISABLE MOVIE REC LIMIT (7) NO LENS RELEASE ENABLE (8) DISABLE INT ERR POWER OFF	Display and reset the factory data.
3. ADJUSTMENT CONTROL	(1) AUTO START DISABLE (2) PTP AUTOMATION ENABLE (3) LINE PROCESS STEP (4) LINE PROCESS MARK (5) ADJUST DATA TO LOG FILE (6) ADJUST RESULT	(1) Prevent auto start when the adjustment file is inserted. (2) Select the necessary adjustment process. (3) Confirm that the previous process is complete. (4) Log file with the adjustment data. (5) Display the result of the adjustment. (6) Confirm the result of adjustment.
4. LENS CONTROL	(1) OIS ADJUSTMENT (2) ZOOM WIDE SET (3) ZOOM TELE SET (4) MR SENSOR ADJUST (5) LENS MOUNT INFO (6) LENS COMM SEVE	(1) Set the OIS adjustment value. * Proceed the OIS Adjustment when replacing and installing the PCB inside lens. (2) Set the wide value of zoom lens (3) Set the telephoto(tele) value of zoom lens. * Do not move the lens during the LENS CONTROL process.

<Table 8-2>

3. LENS CONTROL

(1) OIS ADJUSTMENT

- When you adjust the OIS function which have a OIS lens, you can adjust it.

- How to adjust

Attach the Lens and follow the below step.

From the TEST MODE, select LENS CONTROL → select OIS ADJUSTMENT → Press the OK button.

* **Caution** : Do not move the camera during the adjustment process.

(2) ZOOM WIDE SET and ZOOM TELE SET

- When you adjust the position of zoom position, you can use it.

(It is required to adjust the process when replacing PCB inside lens or installing the Mount.)

- How to adjust

Attach the Lens and follow the below step.

From the TEST MODE, select LENS CONTROL → select ZOOM WIDE SET → set the zoom to the Wide. → Press the OK button.

(Repeat the above steps for ZOOM TELE SET.)

* **Caution** : Do not move the camera during the adjustment process.

8-3 CIS TILT Adjustment



■ Proceed CMOS Tilt adjustment after replacing CMOS ASSY.

<How to Adjust>

1. Set the CIS Tilt adjustment tools. (Kyoritsu (RSM-5000))
2. Once you press the Start button, Tilt adjustment will complete automatically.
3. After adjustment completion, Apply glue on 3 screws to fix the screw position as illustrated in Fig. 8-2.

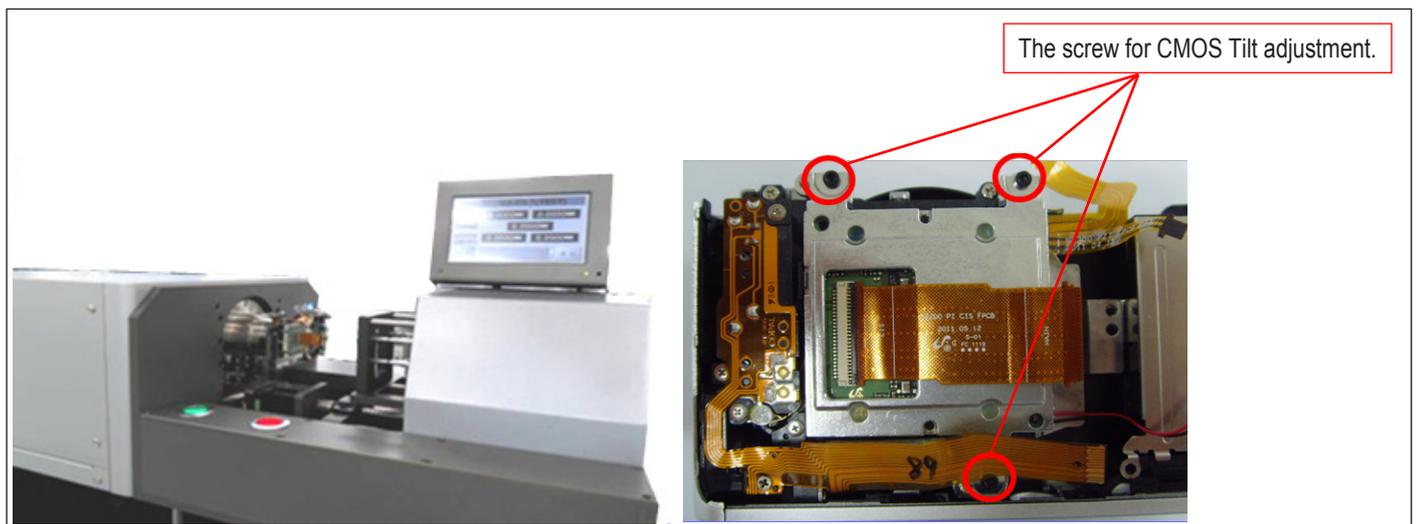


Fig. 8-2

<Adjustment Result>

Adjust specification for Mount side and FLANGE BACK side : 25.55mm(-35mm/+15mm)

Adjust specification for CMOS sensor TILT side from center: -30um/+30um

* **Caution** : The above three screws for NX10/5/11, NX100, NX200 and NX300 may vary in model.

8-4 CIS DOT Data Input & SHUTTER Adjustment

- It has stored DOT data in the EEPROM after replacing the main PCB or CMOS.
- It is required to adjust the Shutter Speed for incorporating an EEPROM storing the default adjustment values after replacing Shutter ASSY or Main PCB.

<How to Adjust>

1. Download the "CIS DOT_SHUTTER SPEED.ZIP" file to a directory on your PC and extract it.

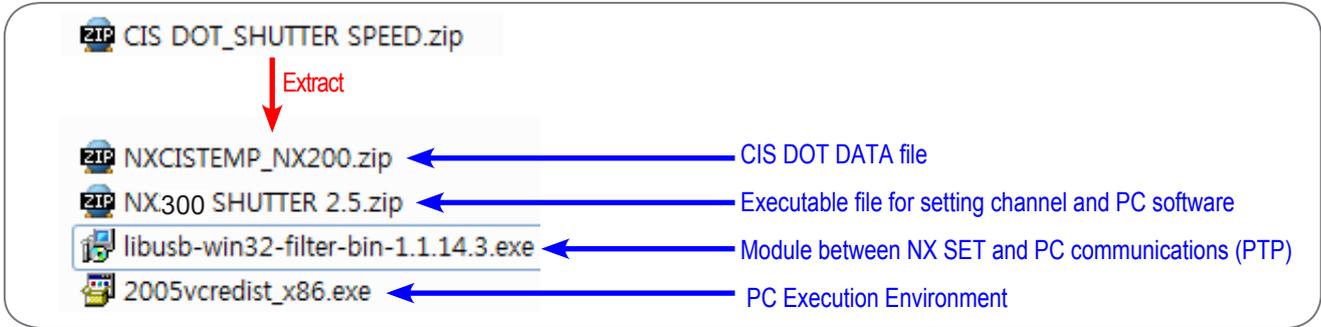


Fig. 8-3

1) Navigate to the directory you extracted to and double click the "2005vcredist_x86.exe".
(A window will appear. After finishing installation the window will close.)

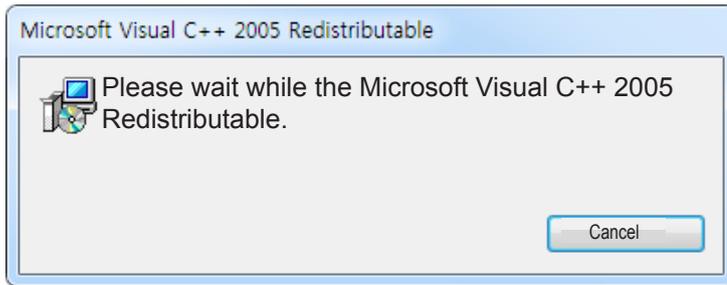


Fig. 8-4

2) Extract the "NXCISTEMP_nx300.zip" file to the c:\ directory such as C:\NXCISTEMP_nx300.
Make sure to save "NXCISTEMP_nx300.zip" file to the above directory.
PC program will search the CIS dot data in the above specified directory.

2. Double click the "libusb-win32-filter-bin-1.1.14.3.exe" to execute.

(Please refer to on page 8-8 for installing module between the NX SET and PC communications(PTP). Follow the .)

3. Download the "nx300 SHUTTER 2.5.ZIP" file to a directory on your PC and extract it.

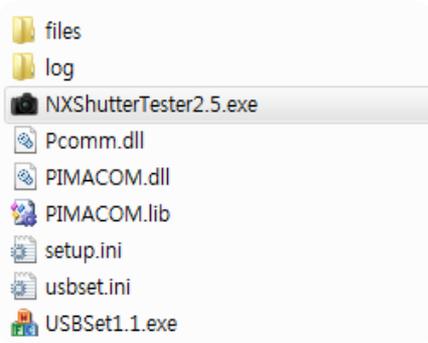


Fig. 8-5

4. Double click the "USBSet1.1.exe" to execute.

- 1) Connect the USB cable from your camera to the USB port on your computer when below window appears.)
(Make sure the "info.tgw" file is into SD card.)

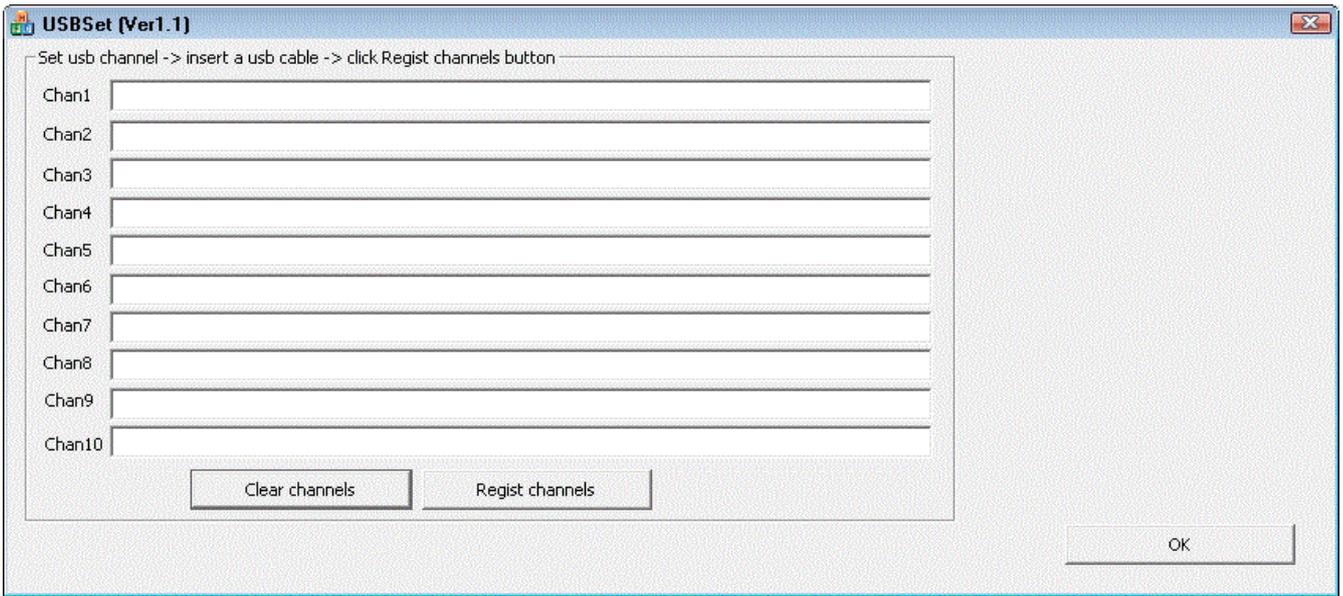


Fig. 8-6

- 2) When below window appears, turn on the computer and check the USB directory's path.
Click the "Regist channels" button and then click the "OK" button.

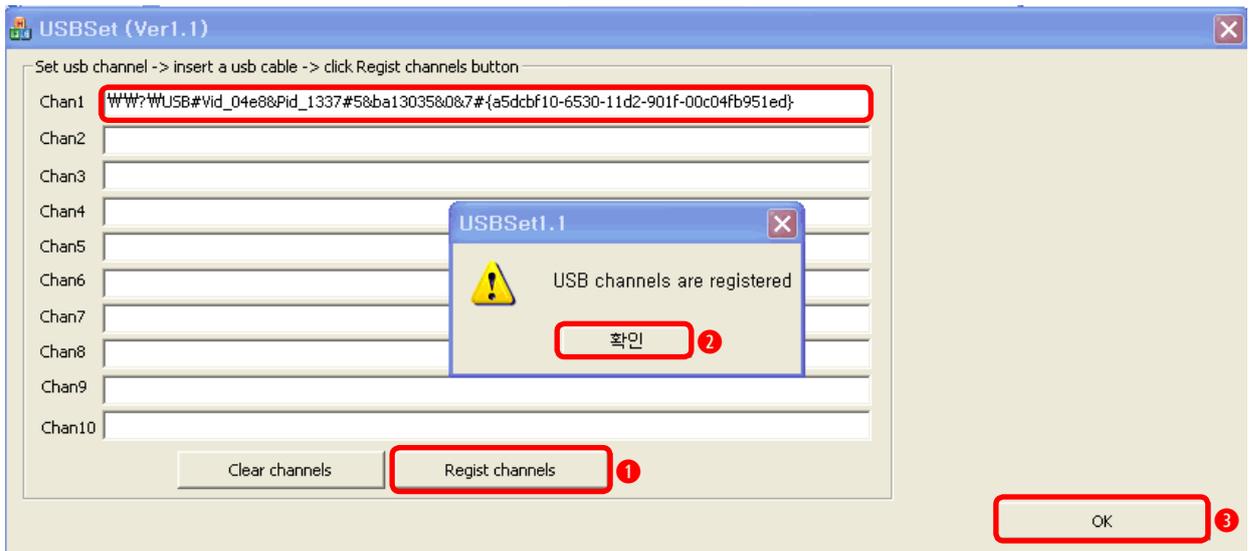


Fig. 8-7

- 3) Turn off the camera and then exit the USBSet1.1.exe.

5. Double click the "NXShutterTester.exe" to execute.

- 1) Connect the RFS-500 measuring equipment and your computer with USB cable. Turn on the RFS-500.
Right click on "My Computer" and click the "Manage", and then click the "Device Manager".
The Device Manager opens as shown in Figure below. Check the connection status of the "COM" to the "Device Manager".



Adjustment

- 2) Error message may appear when it fails to load a script file.
Click the “OK” button.

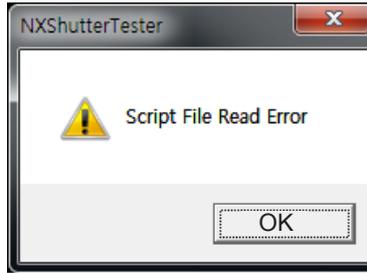


Fig. 8-8

- 3) It will attempt to download the “CIS DOT” file via FTP server.
Press the “OK” button to continue.



Fig. 8-9

- 4) When the “FPS” button is disabled, its button color is not blue. It indicates there is an error for in setting up the COM port.
Follow these steps to reset up the COM port. Select the “Option” tab and click the “SETTING” and then click the “COMPORT”.
Set the new value for COM as illustrated below.
The “FPS” button becomes enabled, turning its button color is blue.

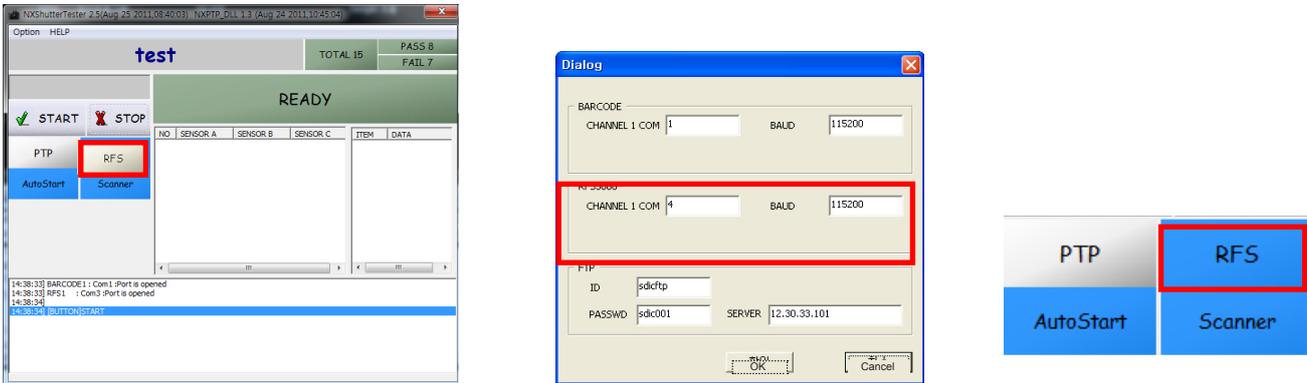


Fig. 8-10

- 5) Select the “Option” tab and click the “SCRIPT FILE OPEN”. Then click the “Open” to select the “shutter.txt”.
(Location: NX200 SHUTTER 2.5 \ Script \ shutter.txt)

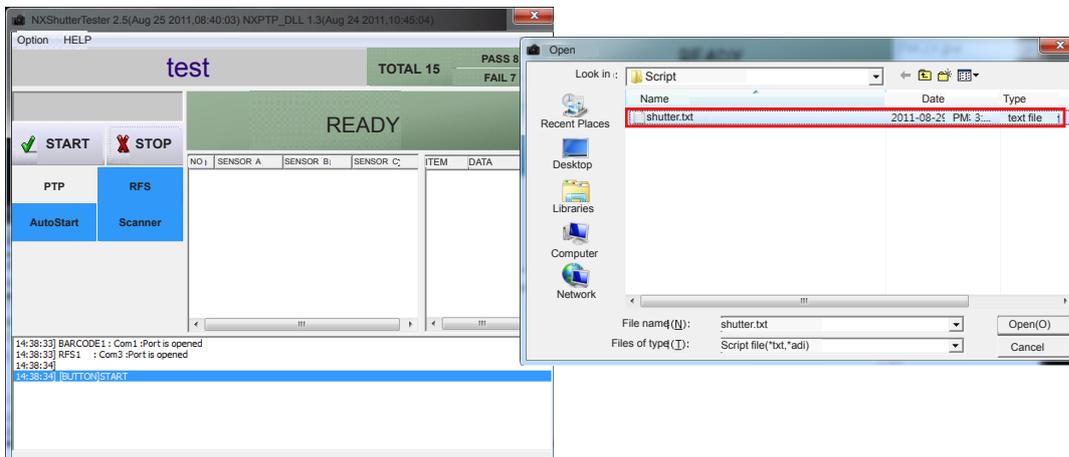
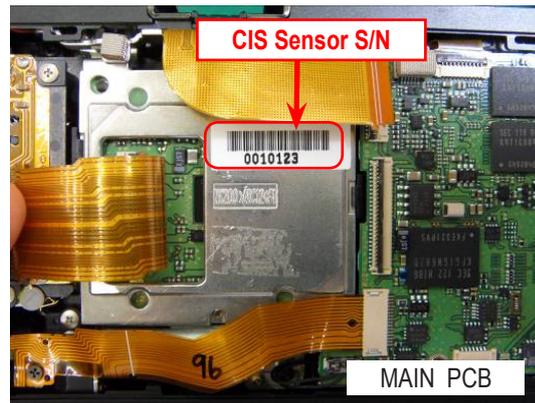
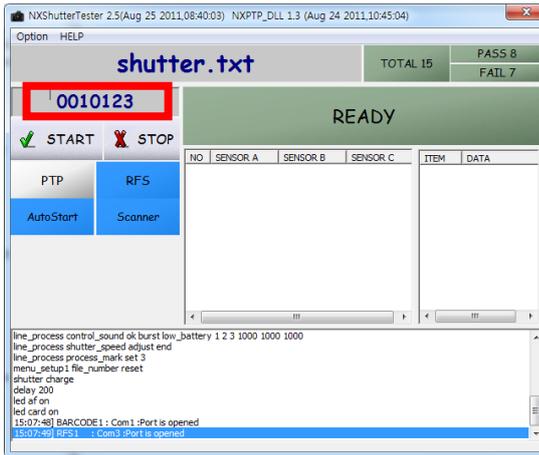


Fig. 8-11

- 6) Make sure there is the serial number file such as "0010123.sn" in the NXCISTEMP_NX200 folder.
 - Type the serial number on the tap above the "STARAT" button.



- When there is no proper serial number file in the NXCISTEMP_NX200 folder, the error message will appear.

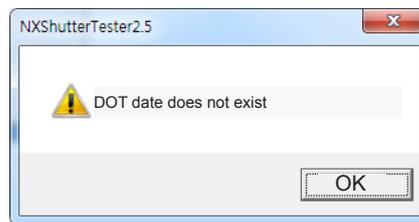


Fig. 8-12

- 7) It will automatically start the process when the "Auto Start" button color is blue, meaning the setting is activated.
 Press the "START" button when the "Auto Start" button color is gray, meaning the setting is inactivated.
 You may choose to activate (On)/inactivate (Off) this function by pressing "Auto Start" button.



Fig. 8-13

- 8) Connect the USB cable from your camera to the USB port on your computer. Turn on the camera and press the "OK" button to begin the process.
 - During the PTP communication, the shutter speed value is set at a shutter speed of 1/2000 second and is to correspond with the measuring equipment.
 - The measuring equipment recognizes the shutter speed and PC read the shutter speed value.
 Finally the camera reads its value. (Measuring equipment -> PC -> Camera)
 - Camera picks the shutter speed at a shutter speed of 1/2000 second or less (0.488ms) and set it as an adjustment default value.
 The camera is shooting the shutter speed of 1/4000 second (0.269ms). The shutter speed value is set to correspond with the measuring equipment. The available shutter speed is set in the range between 1/2000 second (0.488ms) and 1/4000 second (0.269ms).
 - Once the adjustment process is complete, the value is stored in the NOR-Flash memory. The "PASS" message will be displayed.

9) Test Result

- When the adjustment process is successful, the "PASS" message will be displayed.



- When the process is not successful, the "FAIL" message will be displayed.

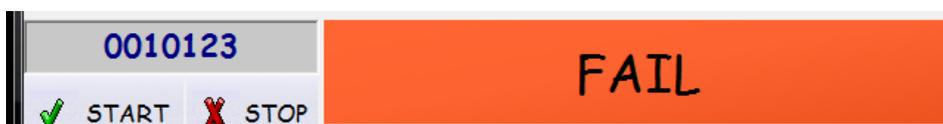


Fig. 8-14

- 10) Navigate to the directory you extracted to the NXCISTEMP_NX200.zip" file such as C:\ CIS DOT_SHUTTER SPEED\nx300\nx300 SHUTTER 2.5\files\Ch1. Check whether the CSV file is created at the destination directory or not.

<How to run "libusb-win32-filter-bin-1.1.14.3.exe">

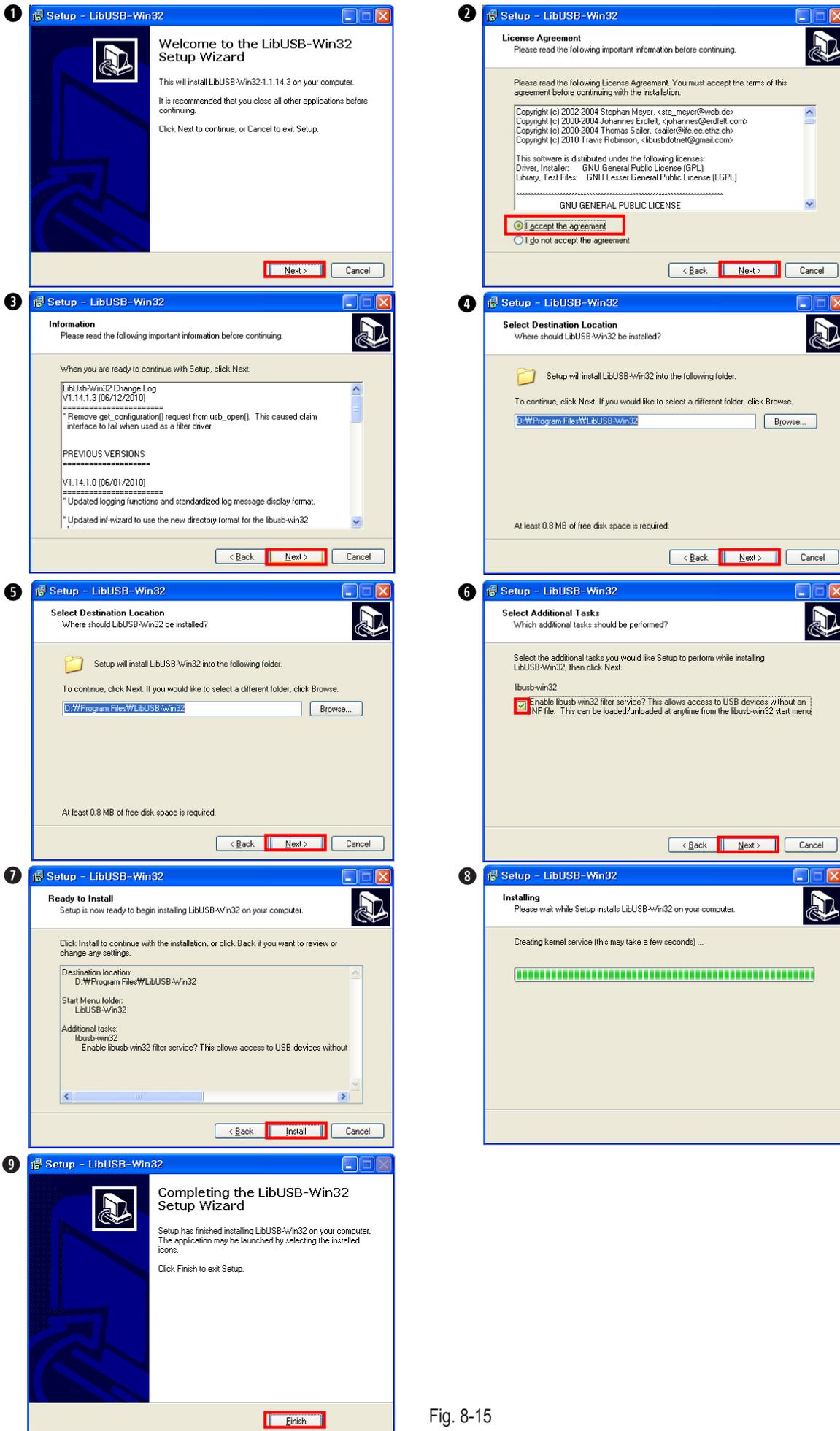


Fig. 8-15

8-5 ISO Adjustment



- This section describes how to proceed the adjustment relating to the image quality.

Required equipmentof

LIGHT BOX (3200K, LV12), Master Lens(F#5.6)

<How to adjust>

1. Copy the script file to SD card and insert the SD card into the camera.
 - info.tg
 - nx300_iso.adj
2. Attach the camera with master lens to the 3200K Light Box as illustrated in the image below.
3. When turning on the camera, the process will proceed automatically.

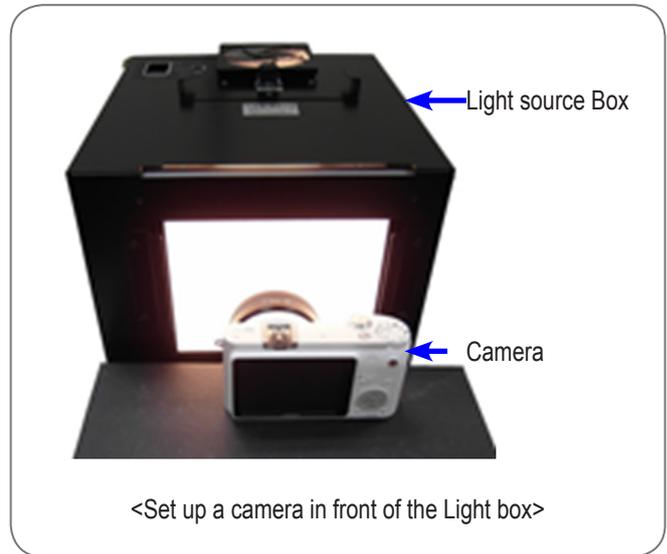


Fig. 8-16

8-6 AWB Adjustment



- This section describes how to proceed the adjustment relating to the image quality.

Required equipmentof

LIGHT BOX (3200K, LV12), Master Lens(F#5.6)

<How to adjust>

1. Copy the script file to SD card and insert the SD card into the camera.
 - info.tg
 - nx300awb.adj
2. Attach the camera with master lens to the 3200K Light Box as illustrated in the image below.
3. When turning on the camera, the process will proceed automatically.

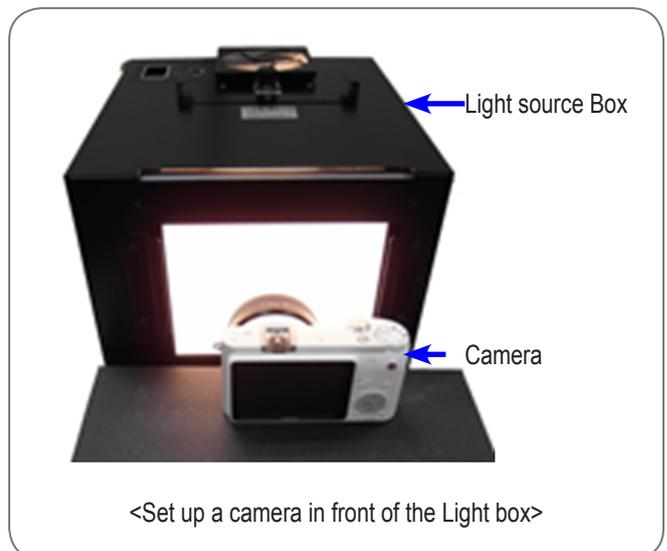


Fig. 8-17

8-7 VFPN & CMOS Defect Adjustment



- This section describes how to correct the vertical noise & defect pixel according to CIS Temperature.

Required equipment

Mount Cap

<How to adjust>

1. Copy the below script file to SD card.

 info.tg

 nx300_vfpn.adj

2. Install the mount cap to block the light.



Fig. 8-18

3. When turning on the camera, the process will proceed automatically.
 - Camera temperature should be more than **35** degree to proceed the VFPN adjustment.
 - Camera may heat up during the operation due to the camera being on for extended periods of time.
(Tip. If you use hairdryer, you can heat it up faster.)

8-8 Color Shading Adjustment



- This section describes how to adjust the brightness gap between center and around.

Required equipment of

LIGHT BOX (5500K, LV12), 30mm Lens

<How to adjust>

1. Copy the script file to SD card and insert the SD card into the camera.

 info.tg

 nx300_shading.adj

2. Attach the camera with master lens to the 5500K Light Box as illustrated in the image below.

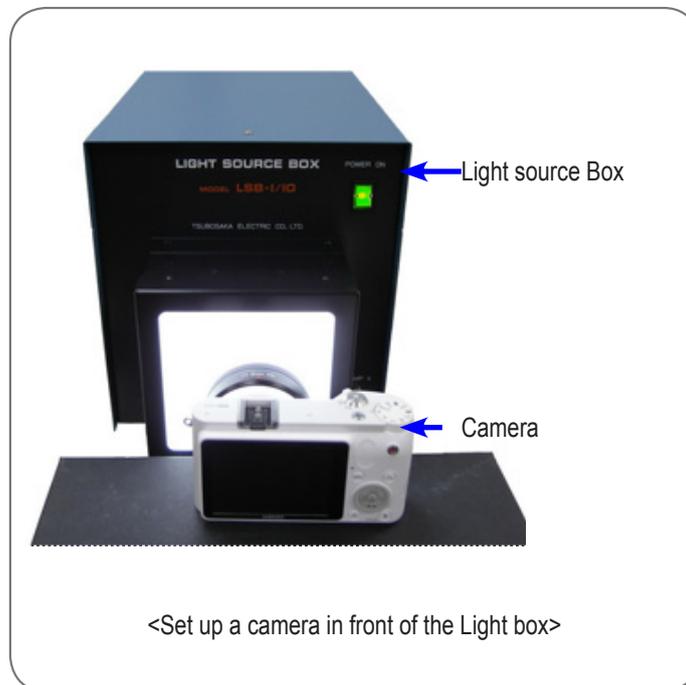


Fig. 8-19

3. When turning on the camera, the process will proceed automatically.

8-9 Country setting (Wi-Fi)



- It is required to reset up Wi-Fi setting for the specified country after replacing the Main PCB.

- If the camera is not set region after replacing the Main PCB and is purchased from overseas, there are some issues as below.
 - User does not use SNS service country-specific.
 - Do not support multiple languages for display and input when using Wi-Fi.
 - Wi-Fi telecommunication speed may be down.
- Follow the below steps to set up country. (Page 8-16, Refer to <Table. 8-3>)
 - Open "nx300_Country.adj" and change the country code.
EX> sys_param shipment_country set 055 (korea code : 055)
 - Copy the script file to SD card and insert the SD card into the camera.

info.tg

nx300_Country.adj

- When turning on the camera, the process will proceed automatically.

8-10 S/N, Mac address Input



- It is required to input Serial number and Mac Address after replacing the Main PCB.

- Open "nx300_SN_MAC.adj" and input S/N & Mac Address.



Fig. 8-20

- Copy the script file to SD card and insert the SD card into the camera.

info.tg

nx300_SN_MAC.adj

- When turning on the camera, the process will proceed automatically (How to check: Menu → Setting → info)

appliance information	
Firmware information	
main body Firmware	1.00
lens Firmware	01.20
MAC address	1a:2b:3c:4d:5f:6a
network number authentication	123456789012

Fig. 8-21

8-11 PAF (Phase AF) Adjustment



■ This section describes how to adjust deviation of PAF sensor.

Required equipment of

PAF adjustment equipment, USB cable

1. Please run PAF program. (Ciqc_130228.exe)



2. Copy "info.tgw" file to SD card and insert the SD card into the camera.

3. Please attach camera to PAF equipment and connect USB cable.



Fig. 8-22

4. When turning on the camera, the process will proceed automatically.

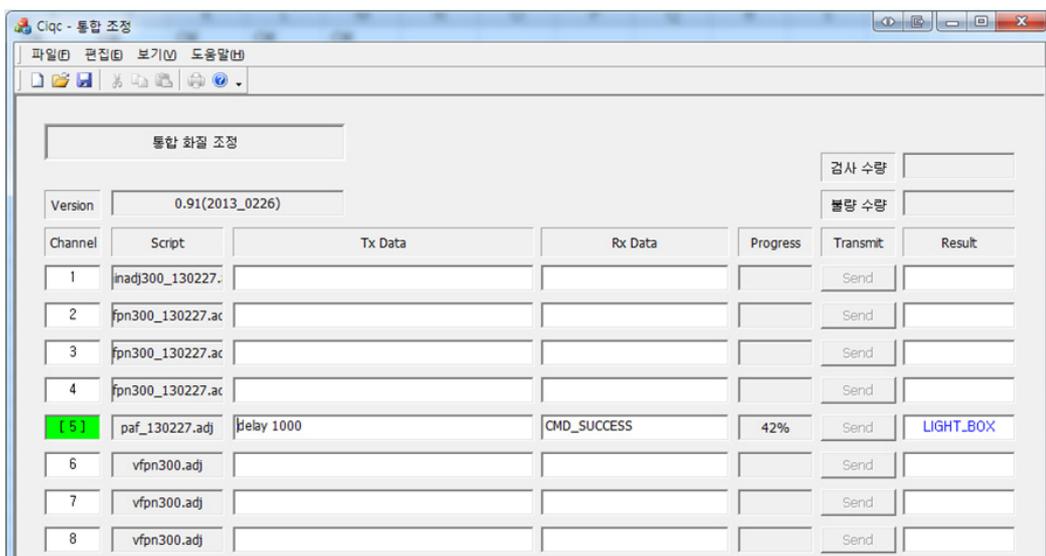


Fig. 8-23

<PAF equipment settings>

1. Connections.

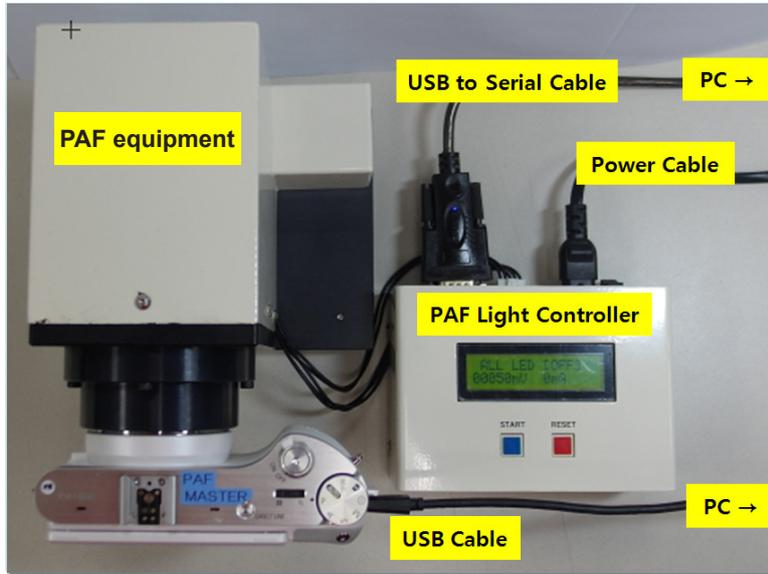
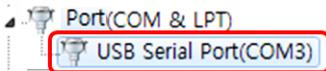


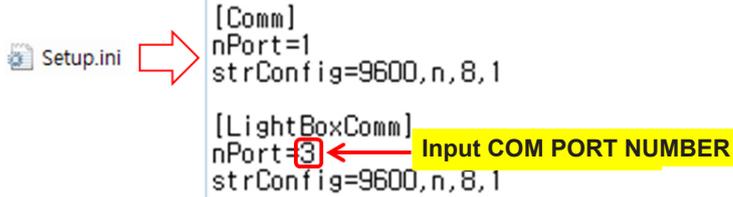
Fig. 8-24

2. USB to serial port setting.

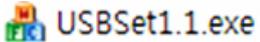
- 1) After installing USB to serial cable driver, please connect cable to PC.
- 2) Please check COM port number in device manger.



3) Please revise and store port number in "Setup.ini" file.



3. Please execute "USBSet1.1.exe" file.



4. Please cut USB ID and move to Channel 5.

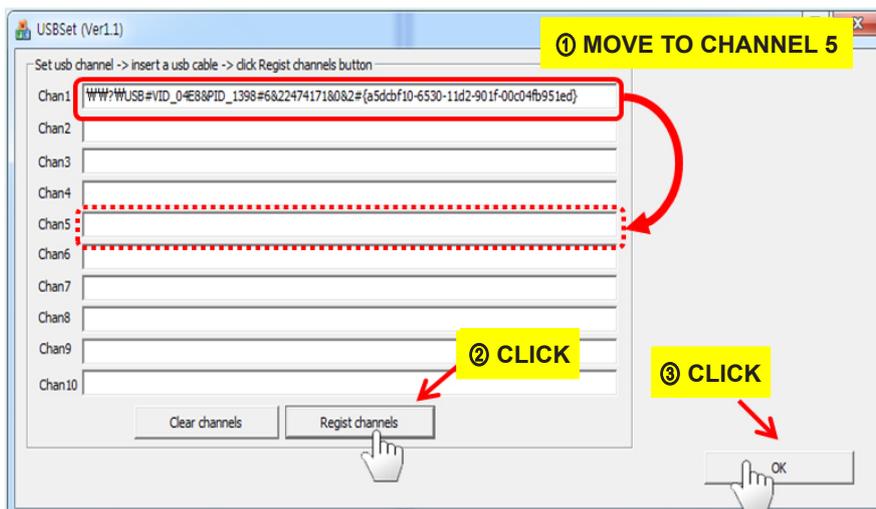


Fig. 8-25

8-12 NFC Tag Information Record



- This section describes how to record the Network information to NFC Tag.
(When contacting to the smart phone, the camera app will start automatically)

Required equipment of

PC, NFC writer

<How to adjust>

1. Please execute "NFCWriter.exe".



2. When you put NFC tag side in camera on writer, the LED turns color from red to green with beep sound.



Fig. 8-26

3. After insert model name and last 6 numbers of Mac Address, please click the writer tap by cursor for storing the data to Tag.

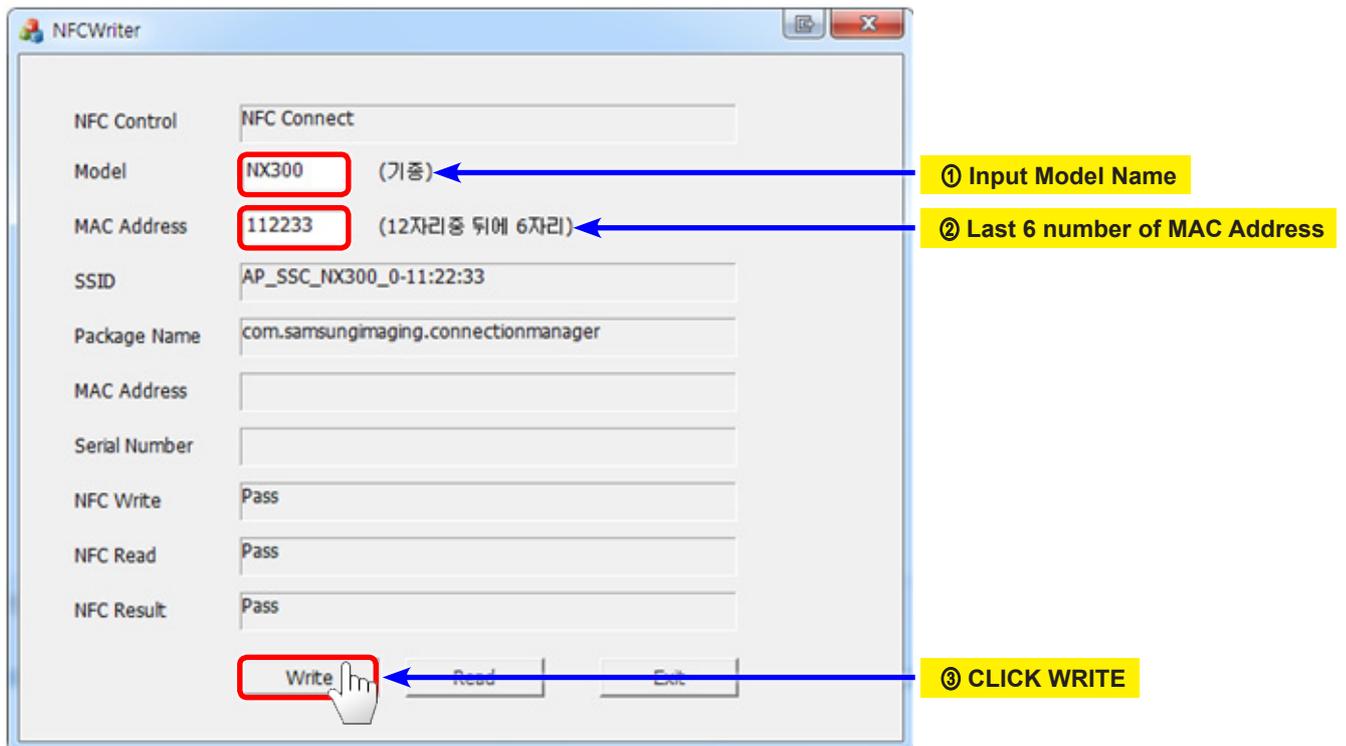


Fig. 8-27

<How to install NFC writer >

1. Please connect NFC writer to PC.
2. In case of WinXP , please install the driver provided with adjustment files.



3. Please install driver manually. Even though Win7 install the driver automatically, an error occurred working.

1

2

How do you want to search for driver software?

- ➔ Search automatically for updated driver software
Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.
- ➔ Browse my computer for driver software
Locate and install driver software manually.

3

Browse for driver software on your computer

Search for driver software in this location:

C:\Users\JACK\Documents\NFC_Reader_Driver

Include subfolders

- ➔ Let me pick from a list of device drivers on my computer
This list will show installed driver software compatible with the device, and all driver software in the same category as the device.

Fig. 8-28

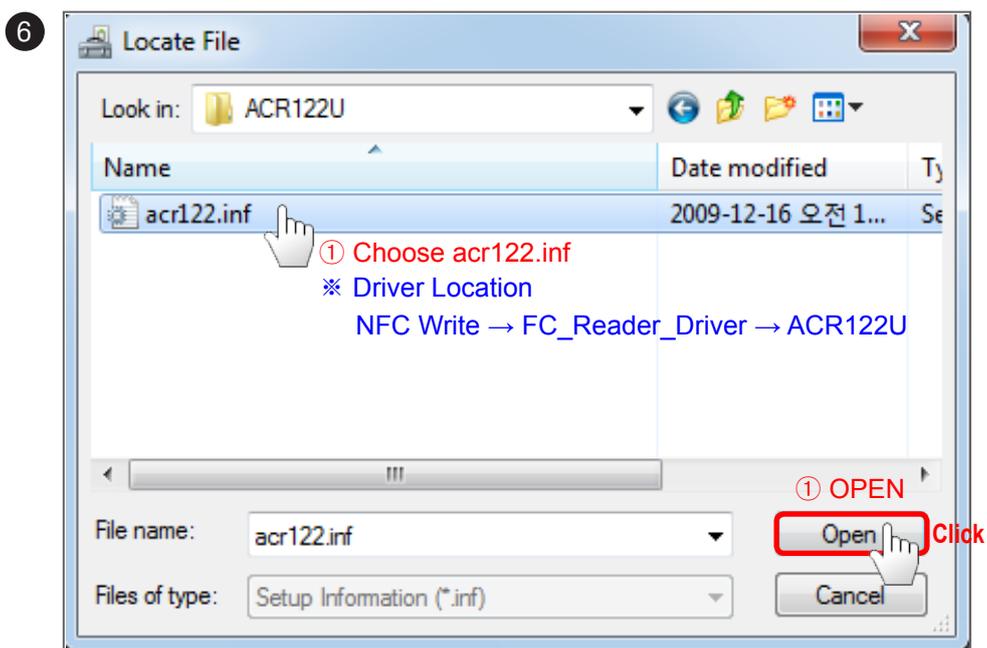
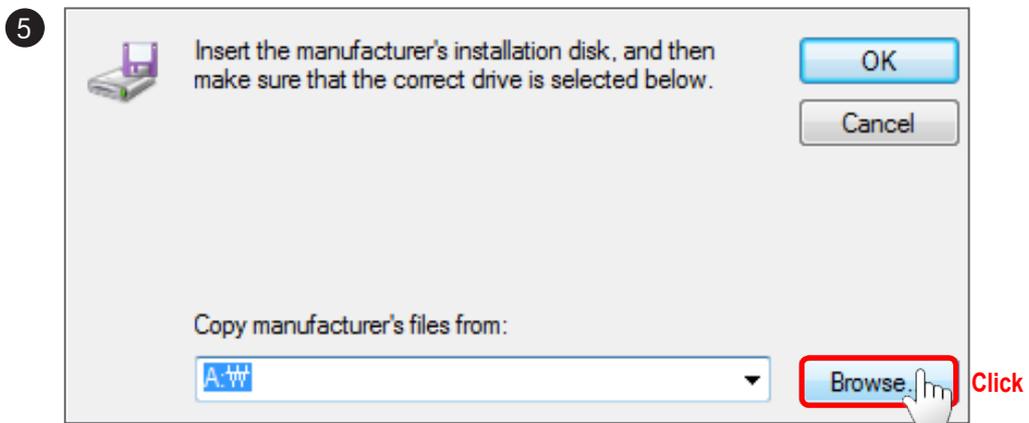
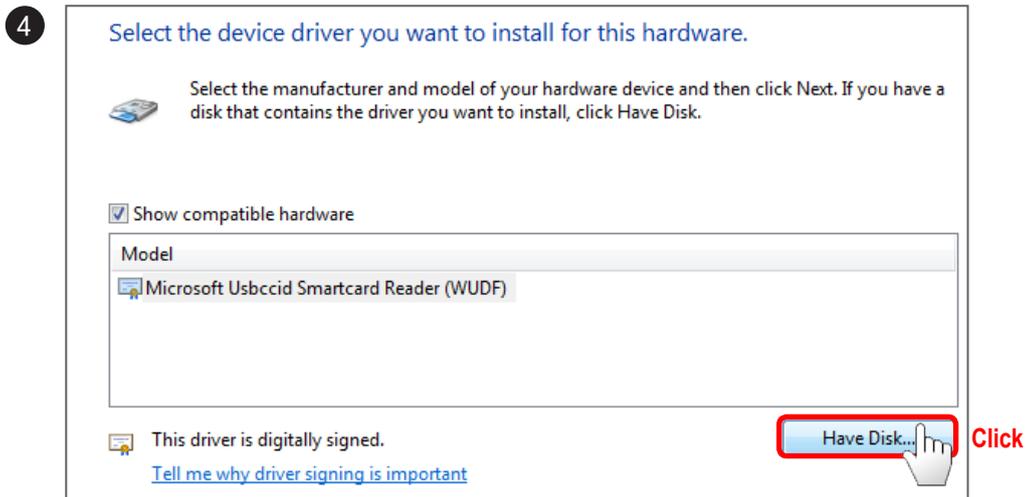


Fig. 8-29

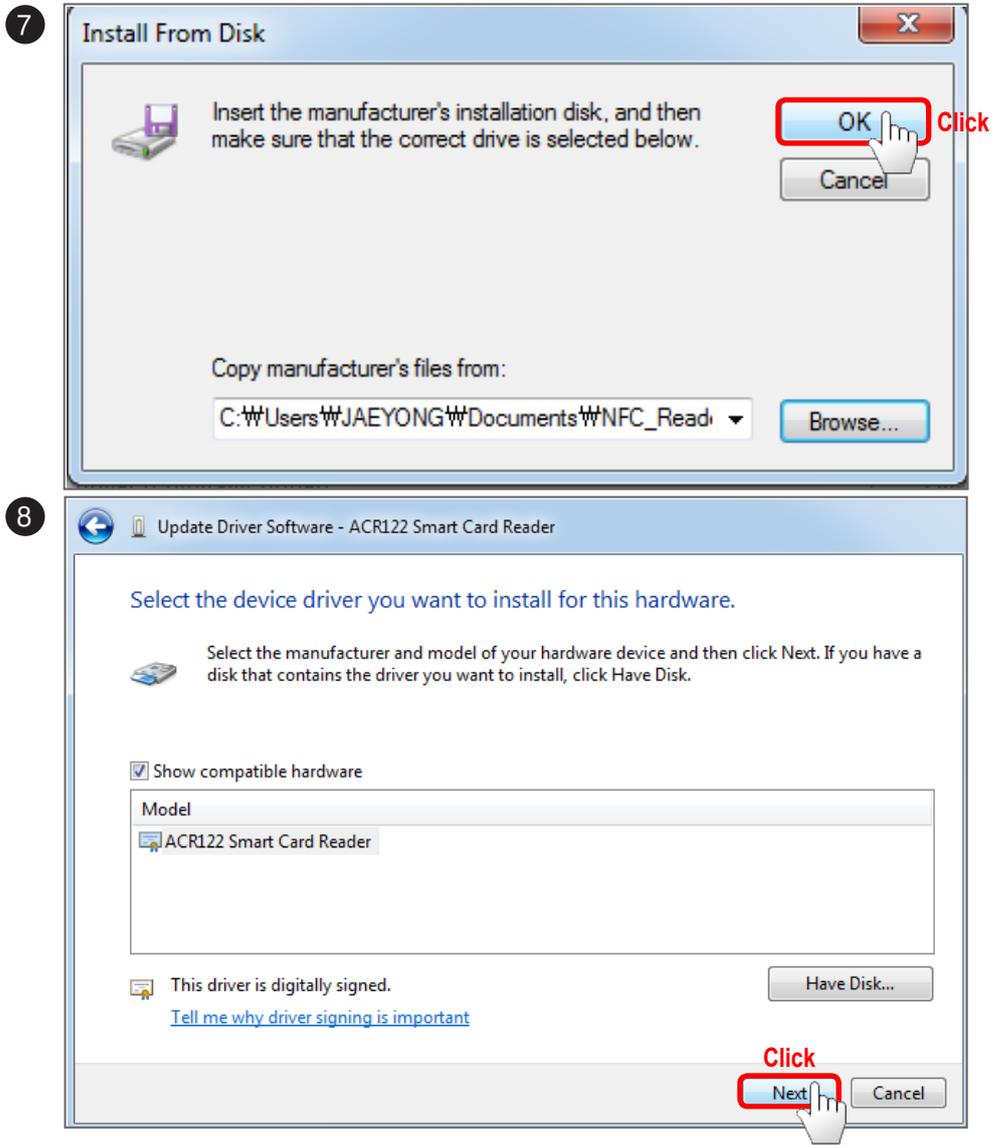
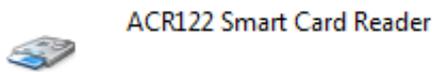


Fig. 8-30

4. After installing, PC shows pop-up message.

Windows has successfully updated your driver software

Windows has finished installing the driver software for this device:



8-13 Adjustment data Image Storage



- After the adjustment is completed, The adjustment value in the boot image is the process of storing.
- After adjustment progress if you do not proceed with this process, the boot might be slower.

1. Copy the below two script files to memory card and insert the memory card into the camera.

- info.tg
- nx300_snap.adj

2. When you turn on the power Adjustment data is stored in the Boot Image It takes about 3 minutes.

<Country code>

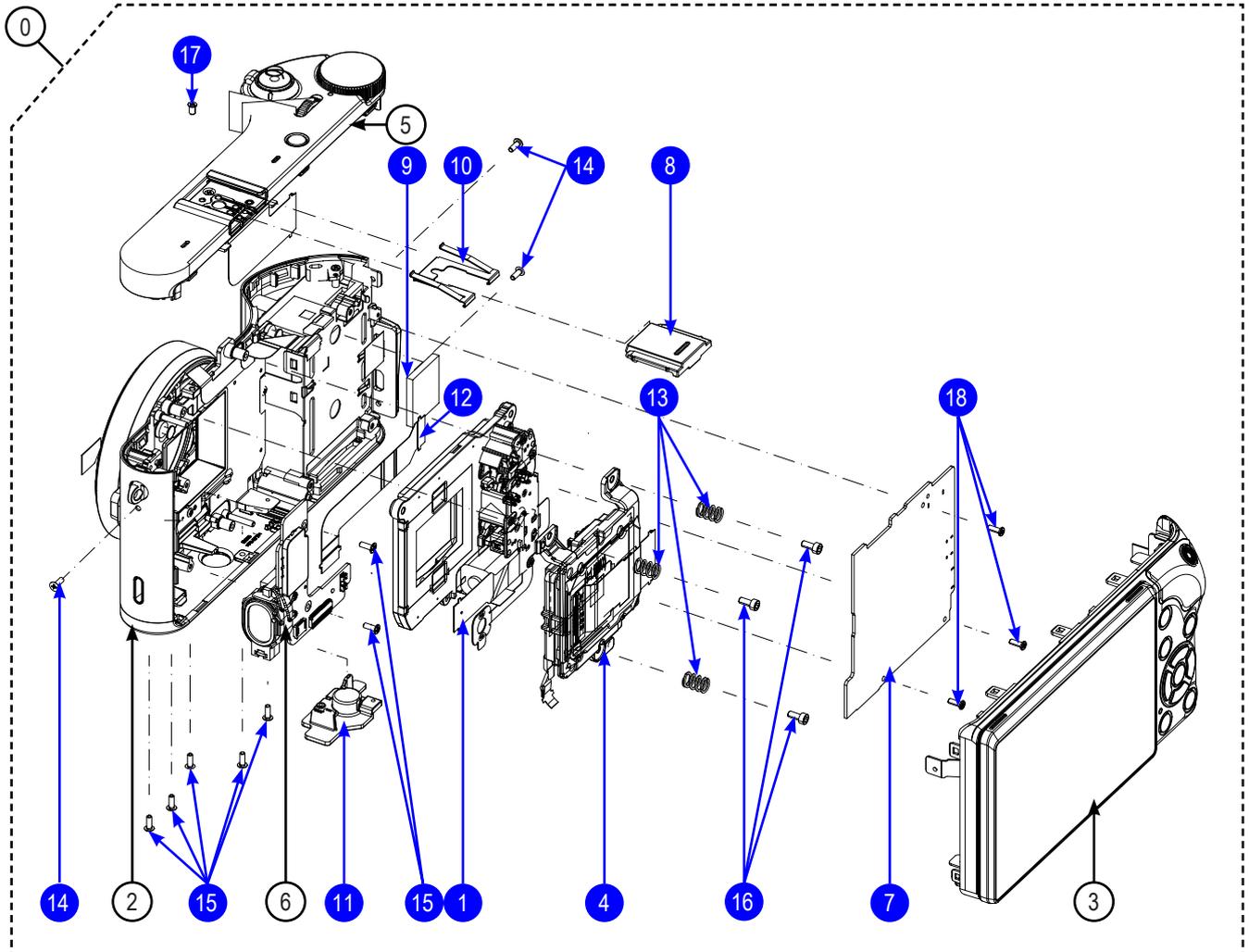
No	Country	Code	No	Country	Code	No	Country	Code
-	DEFAULT	---	47	IRAQ	047	94	SAUDI_ARABIA	094
1	AFGHANISTAN	001	48	ISRAEL	048	95	SEBJ	095
2	ALBANIA	002	49	ITALY	049	96	SECD	096
3	ALGERIA	003	50	IVORY COAST	050	97	SEGZ	097
4	ANGOLA	004	51	JAPAN	051	98	SENEGAL	098
5	ARGENTINA	005	52	JORDAN	052	99	Serbia	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			

<Table 8-3>

9. Exploded view and parts list

9-1 ASSY BODY

Parts Service Information	Availability
SA	(N)
SNA	(N)

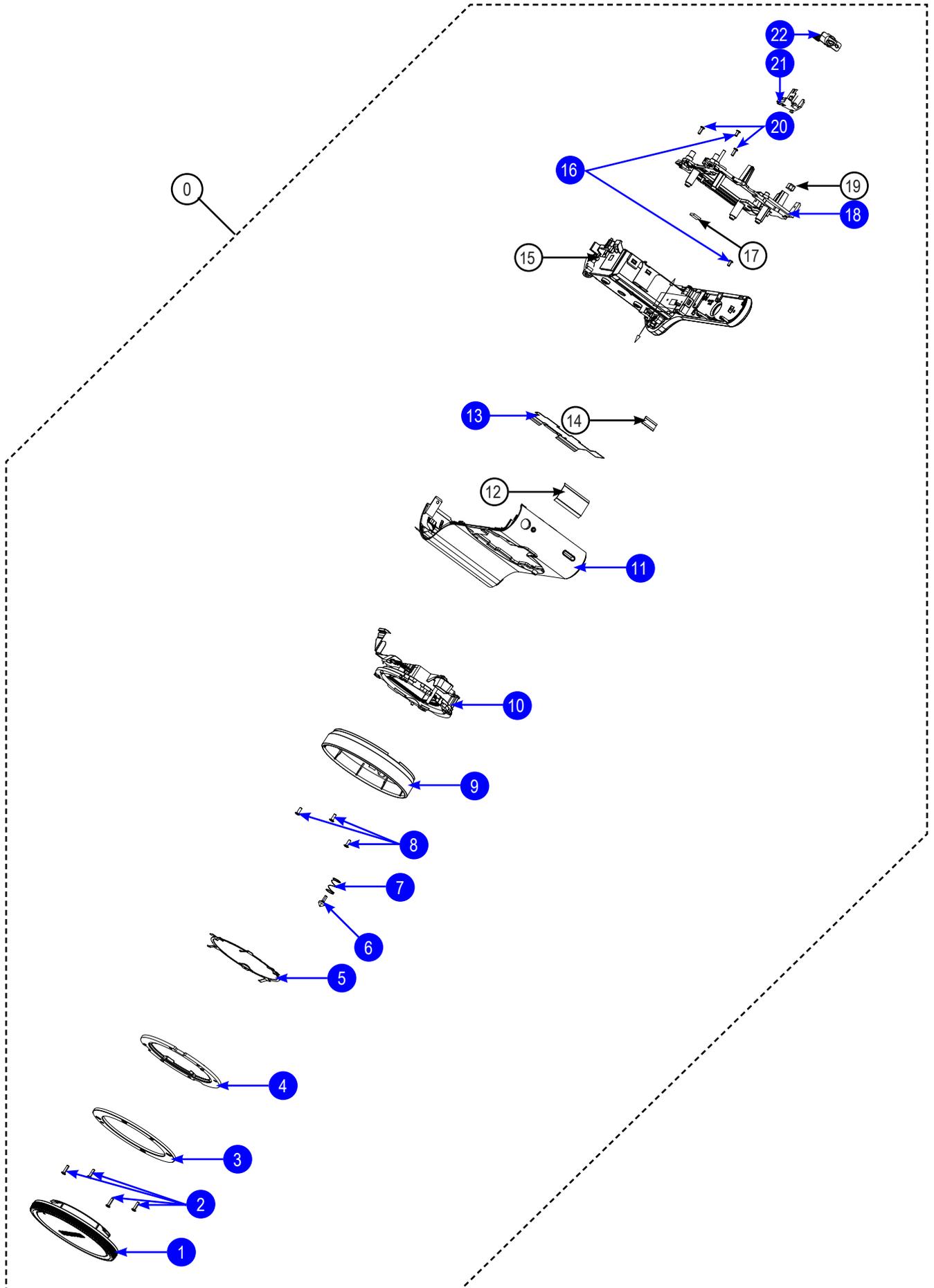


Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD90-05300A	ASSY BODY-NX300_BK	1	SNA	BLACK
	AD90-05300B	ASSY BODY-NX300_WH	1	SNA	WHITE
	AD90-05300C	ASSY BODY-NX300_BN	1	SNA	BROWN
1	AD97-23888A	ASSY-SHUTTER	1	SA	
2	AD97-23199A	ASSY MAIN-NX300_BK	1	SNA	BLACK
	AD97-23199B	ASSY MAIN-NX300_WH	1	SNA	WHITE
	AD97-23199C	ASSY MAIN-NX300_BN	1	SNA	BROWN

Exploded view and parts list

Loc. No.	Parts No.	Description	Qty	Available	Remark
3	AD97-23204A	ASSY BACK-NX300_BK	1	SNA	BLACK
	AD97-23204B	ASSY BACK-NX300_WH	1	SNA	WHITE
	AD97-23204C	ASSY BACK-NX300_BN	1	SNA	BROWN
4	AD97-23206A	ASSY CMOS-NX300	1	SA	
5	AD97-23207A	ASSY COVER-TOP-NX300_BK	1	SNA	BLACK, BROWN
	AD97-23207B	ASSY COVER-TOP-NX300_WH	1	SNA	WHITE
6	AD97-23212A	ASSY SPEAKER-DRS PCB-NX300	1	SNA	
7	AD92-02010A	ASSY PCB MAIN	1	SA	
8	AD63-06184A	COVER-HOT SHOE_BK	1	SA	BLACK
	AD63-06184C	COVER-HOT SHOE_WH	1	SA	WHITE
	AD63-06184F	COVER-HOT SHOE_BN	1	SA	BROWN
9	AD62-00188A	PAD GAP CHAMBER	1	SA	
10	AD61-04096B	PLATE-SPRING SHOE_NX100_SL	1	SA	
11	AD61-05757A	HOLDER-TRIPOD	1	SA	
12	AD41-01958A	FPC;NX300_DRS_IF_FPCB	1	SA	
13	6107-002736	SPRING-CS	3	SA	
14	6001-002152	SCREW-MACHINE (M1.4XL4,BLK)	3	SA	BLACK, BROWN
15	6001-002159	SCREW MACHINE (M1.4XL4,NI)	7	SA	BLACK, BROWN
	6001-002159	SCREW MACHINE (M1.4XL4,NI)	10	SA	WHITE
16	6001-002279	SCREW MACHINE (M1.7XL4,BLK)	3	SA	
17	6001-002282	SCREW MACHINE (M1.7XL3,NI)	1	SA	
18	6003-001739	SCREW TAPTYPE (M1.4XL4,NI)	4	SA	

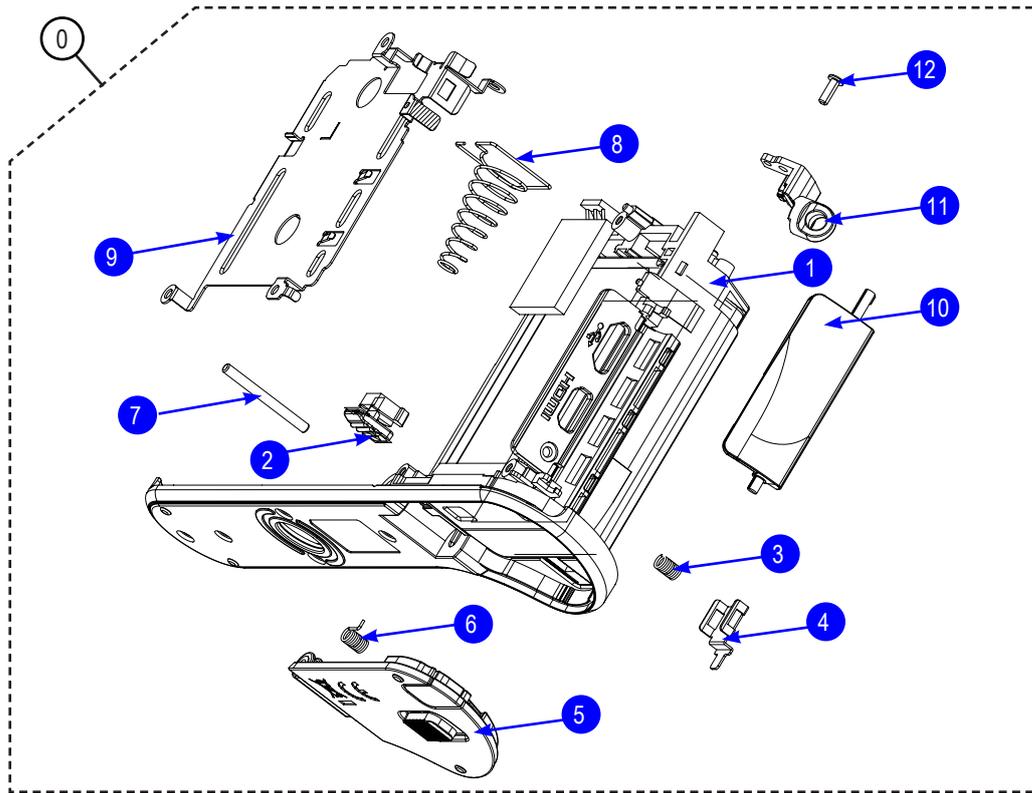
9-2 ASSY MAIN



Exploded view and parts list

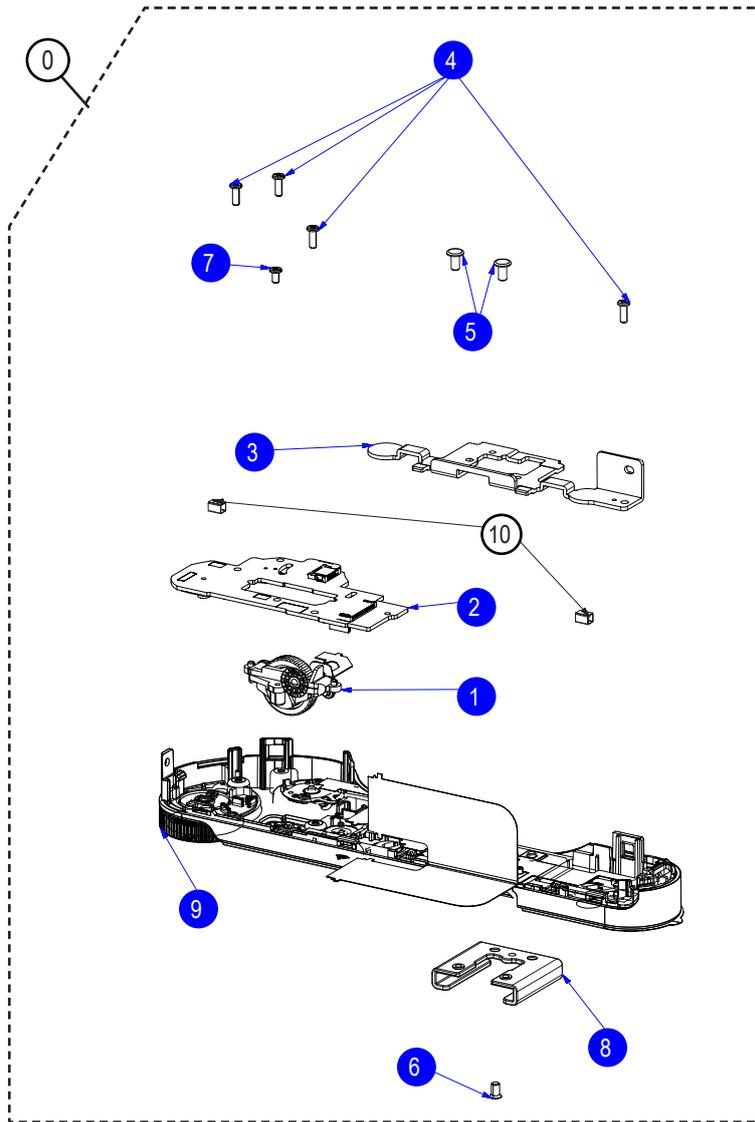
Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD97-23199A	ASSY MAIN-NX300_BK	1	SNA	BLACK
	AD97-23199B	ASSY MAIN-NX300_WH	1	SNA	WHITE
	AD97-23199C	ASSY MAIN-NX300_BN	1	SNA	BROWN
1	AD67-02616A	CAP MOUNT_BK	1	SA	BLACK
	AD67-02616B	CAP MOUNT_WH	1	SA	WHITE
	AD67-02616D	CAP MOUNT_BN	1	SA	BROWN
2	6001-002662	SCREW-MACHINE (M1.7XL5,NI)	4	SA	
3	AD61-05284A	PLATE MOUNT LENS	1	SA	
4	AD61-05307B	MOUNT INNER	1	SA	
5	AD61-05314A	PATE MOUNT SPRING	1	SA	
6	AD66-00945A	SHAFT LENS DETECT	1	SA	
7	6107-001781	SPRING CS	1	SA	
8	6001-002159	SCREW MACHINE (M1.4XL4,NI)	3	SA	
9	AD64-03813D	DECO RING_BK	1	SA	BLACK
	AD64-03813E	DECO RING_WH	1	SA	WHITE
	AD64-03813F	DECO RING_BN	1	SA	BROWN
10	AD97-23203D	ASSY HOLDER INNER MOUNT_BK	1	SA	BLACK
	AD97-23203E	ASSY HOLDER INNER MOUNT_WH	1	SA	WHITE
	AD97-23203F	ASSY HOLDER INNER MOUNT_BN	1	SA	BROWN
11	AD97-23202A	ASSY FRONT_BK	1	SA	BLACK
	AD97-23202B	ASSY FRONT_WH	1	SA	WHITE
	AD97-23202C	ASSY FRONT_BN	1	SA	BROWN
12	AD42-00037A	FPCB ANTENNA CHIP-NFC TAG	1	SNA	
13	AD63-07265A	SCREW THERMAL FRONT	1	SA	
14	AD63-06857A	MESH SPEAKER	1	SNA	
15	AD97-23200A	ASSY CHAMBER_BK	1	SNA	BLACK
	AD97-23200B	ASSY CHAMBER_WH	1	SNA	WHITE
	AD97-23200C	ASSY CHAMBER_BN	1	SNA	BROWN
16	6003-001660	SCREW-TAPTYPE (M1.4XL3,NI)	2	SA	
17	AD63-07508A	CUSHION SHIELD FOAM CHAMBER	1	SNA	
18	AD97-23201B	ASSY HOLDER MOUNT	1	SA	
19	AD63-07460A	CUSHION SHIELD FOAM MAIN	1	SNA	
20	6003-001739	SCREW TAPTYPE (M1.4XL4,NI)	2	SA	
21	AD97-23626A	ASSY WIFI ANTENNA	1	SA	
22	AD61-05861A	HOLDER STRAP R	1	SA	

9-3 ASSY CHAMBER



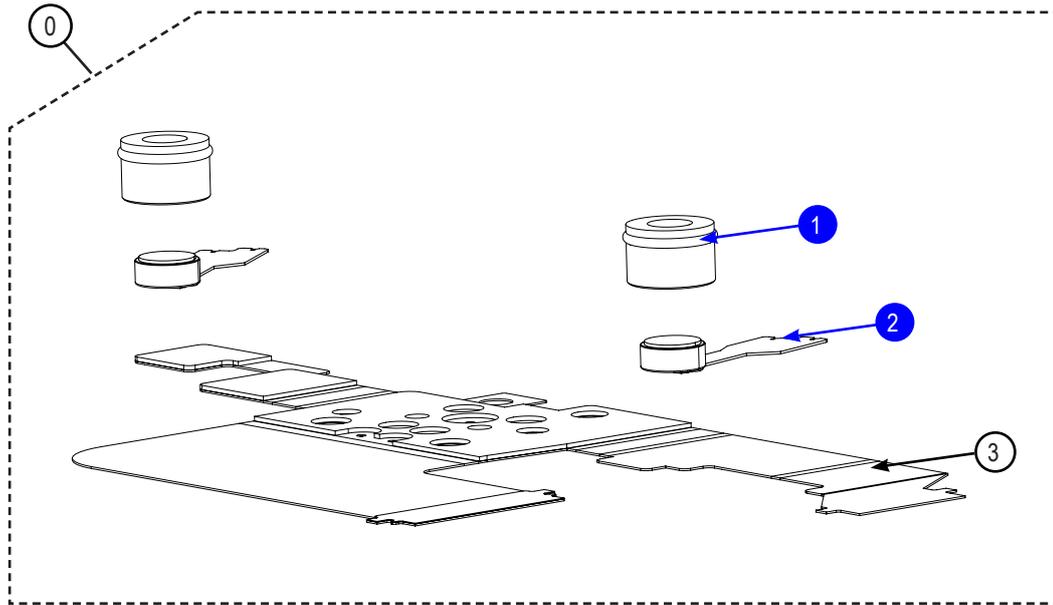
Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD97-23200A	ASSY CHAMBER-NX300_BK	1	SNA	BLACK
	AD97-23200B	ASSY CHAMBER-NX300_WH	1	SNA	WHITE
	AD97-23200C	ASSY CHAMBER-NX300_BN	1	SNA	BROWN
1	AD62-00211A	CHAMBER BATTERY_BK	1	SA	BLACK
	AD62-00211B	CHAMBER BATTERY_WH	1	SA	WHITE
	AD62-00211C	CHAMBER BATTERY_BN	1	SA	BROWN
2	AD66-01074A	LEVER BATTERY LOCK	1	SA	
3	6107-002735	LOCK LEVER SPRING	1	SA	
4	AD61-05288A	PLATE BATTERY LOCK LEVER	1	SA	
5	AD97-23214A	ASSY COVER BATTERY	1	SA	
6	6107-002994	BATTERY COVER SPRING	1	SA	
7	AD66-00943A	SHAFT BATTERY COVER	1	SA	
8	6107-003085	BATTERY PUSH SPRING	1	SA	
9	AD61-05888A	PLATE BATTERY CHAMBER	1	SA	
10	AD63-07248A	COVER JACK_BK	1	SA	BLACK
	AD63-07248B	COVER JACK_WH	1	SA	WHITE
	AD63-07248C	COVER JACK_BN	1	SA	BROWN
11	AD61-05862A	HOLDER STRAP L	1	SA	
12	6003-001739	SCREW TAPTYPE (M1.4XL4,NI)	1	SA	

9-4 ASSY COVER TOP



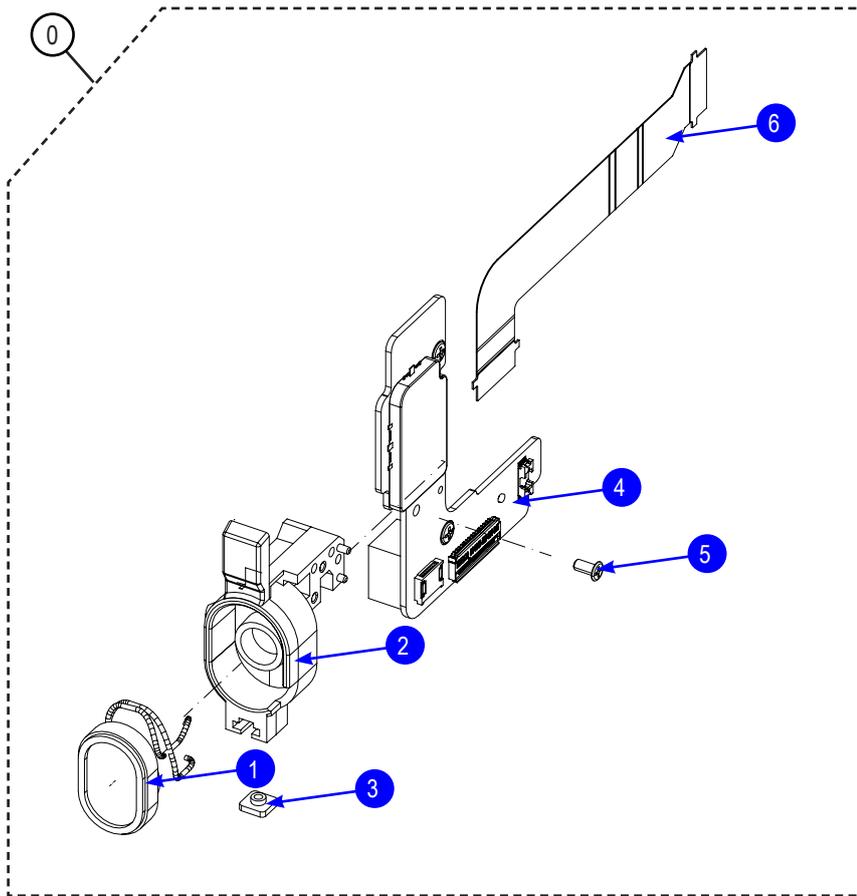
Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD97-23207A	ASSY COVER-TOP-NX300_BK	1	SNA	BLACK, BROWN
	AD97-23207B	ASSY COVER-TOP-NX300_WH	1	SNA	WHITE
1	AD97-23210A	ASSY DIAL COMMAND-NX300	1	SA	
2	AD92-02012A	ASSY PCB TOP	1	SA	
3	AD61-05889A	PLATE HOT SHOE BOTTOM	1	SA	
4	6003-001739	SCREW TAPTYPE (M1.4XL4,NI)	4	SA	
5	6001-001914	SCREW-MACHINE (M1.7XL3.5,NI)	2	SA	
6	6001-002282	SCREW MACHINE (M1.7XL3,NI)	1	SA	
7	6003-001660	SCREW-TAPTYPE (M1.4XL3,NI)	1	SA	
8	AD61-05411B	PLATE-HOT-SHOE	1	SA	
9	AD97-23633A	ASSY COVER TOP AS_BK	1	SA	BLACK
	AD97-23633B	ASSY COVER TOP AS_WH	1	SA	WHITE
	AD97-23633D	ASSY COVER TOP AS_BN	1	SA	BROWN
10	AD63-07461A	CUSHION SHIELD FOAM TOP	2	SNA	

9-5 ASSY FPCB_HOTSHOE



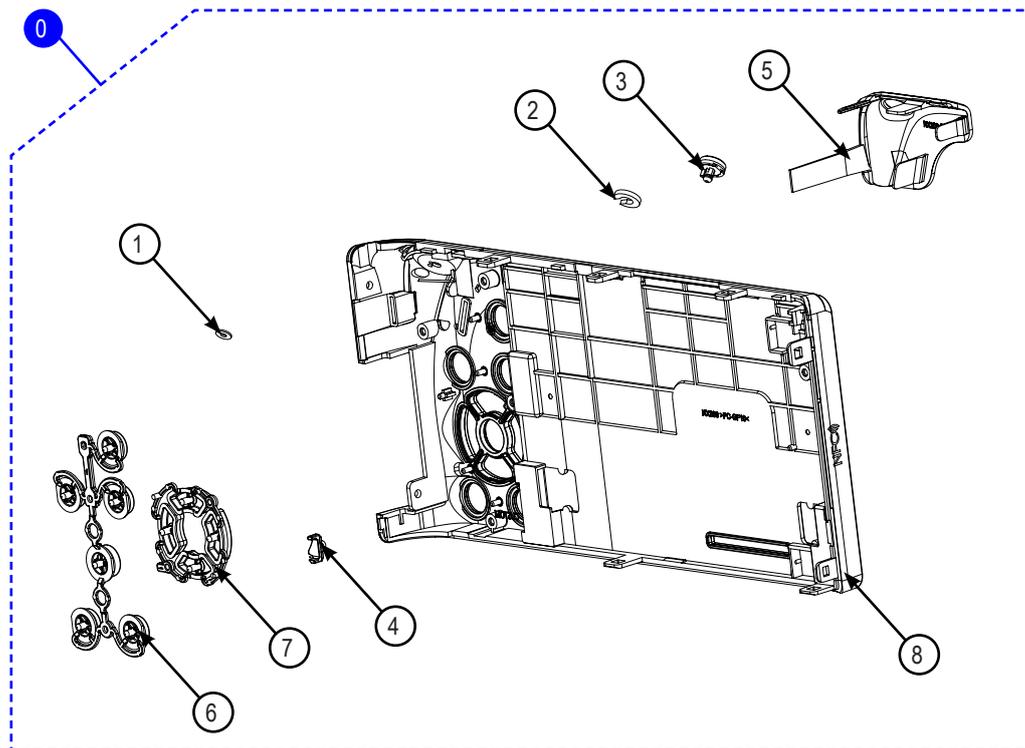
Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD92-02014A	ASSY PCB SUB_HOTSHOE_FPCB	1	SNA	
1	AD67-02581A	RUBBER MIC	2	SA	
2	3003-001198	MIC-CONDENSOR	2	SA	
3	AD41-01956A	NX300_HOTSHOE_FPCB	1	SNA	

9-6 ASSY SPEAKER



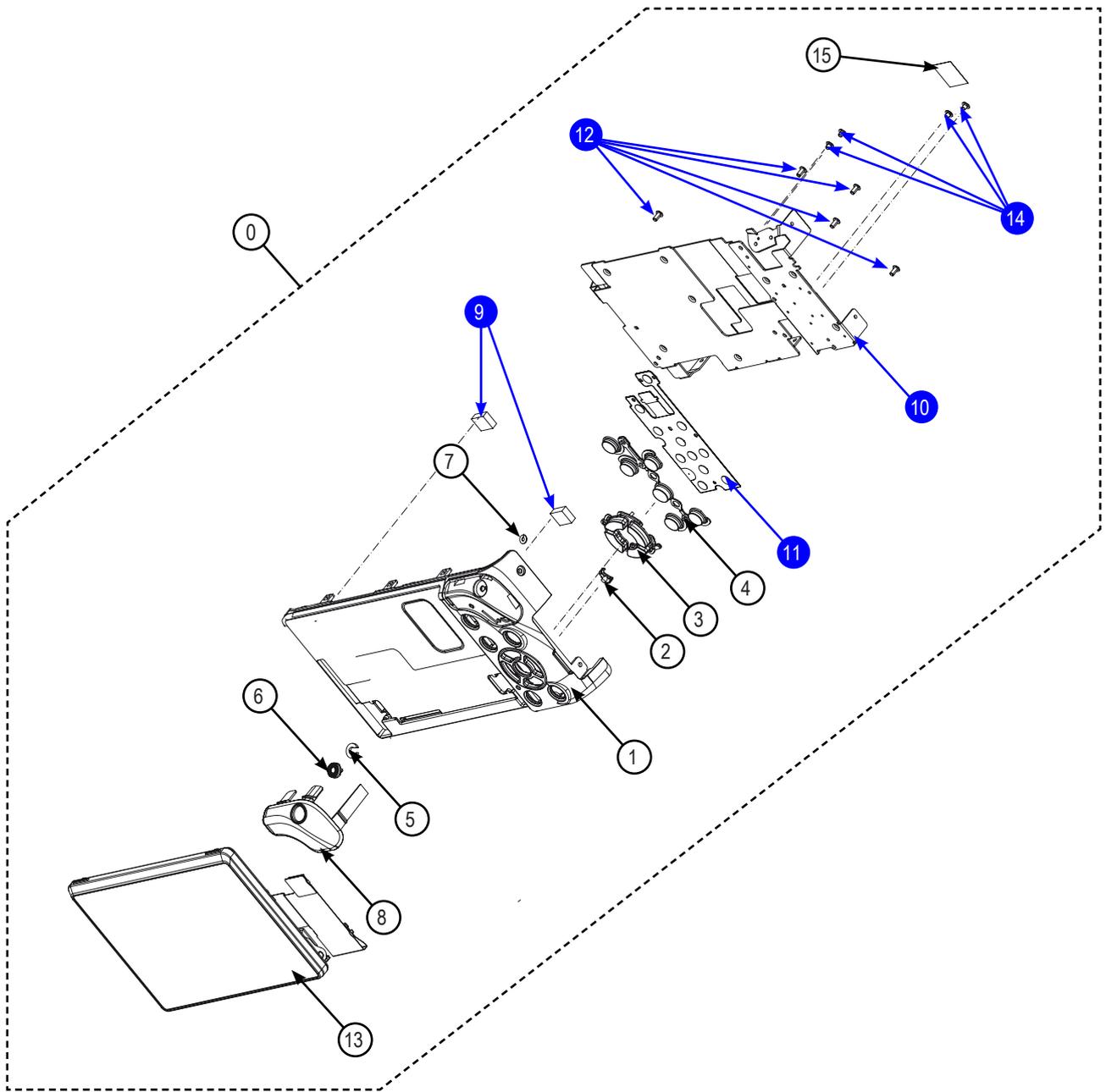
Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD97-23212A	ASSY SPEAKER-DRS PCB-NX300	1	SNA	
1	3001-002641	SPEAKER	1	SA	
2	AD61-05860A	HOLDER SPEAKER	1	SA	
3	AD61-05920A	BRACKET NUT	1	SA	
4	AD92-02013A	ASSY PCB SUB DRS HPCB	1	SA	
5	6003-001660	SCREW-TAPTYPE (M1.4XL3,NI)	1	SA	
6	AD41-01958A	FPC;NX300_DRS_IF_FPCB	1	SA	

9-7 ASSY COVER BACK



Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD97-23627A	ASSY COVER BACK_NX300_BK	1	SA	BLACK
	AD97-23627B	ASSY COVER BACK_NX300_WH	1	SA	WHITE
	AD97-23627C	ASSY COVER BACK_NX300_BN	1	SA	BROWN
1	6031-001628	WASHER-PLAIN	1	SNA	
2	AD63-06891A	CUSHION-REC	1	SNA	
3	AD64-03843A	BUTTON-REC	1	SNA	
4	AD64-03857A	WINDOW-ACCESS LAMP	1	SNA	
5	AD63-07299A	GRIP-BACK_BK	1	SNA	BLACK
	AD63-07299B	GRIP-BACK_WH	1	SNA	WHITE
	AD63-07299C	GRIP-BACK_BN	1	SNA	BROWN
6	AD64-03841A	BUTTON-FUNCTION_BK	1	SNA	BLACK
	AD64-03841B	BUTTON-FUNCTION_WH	1	SNA	WHITE
	AD64-03841C	BUTTON-FUNCTION_BN	1	SNA	BROWN
7	AD64-03840A	BUTTON-BACK_BK	1	SNA	BLACK
	AD64-03840B	BUTTON-BACK_WH	1	SNA	WHITE
	AD64-03840C	BUTTON-BACK_BN	1	SNA	BROWN
8	AD63-07215A	COVER BACK-NX300_BK	1	SNA	BLACK
	AD63-07215B	COVER BACK-NX300_WH	1	SNA	WHITE
	AD63-07215C	COVER BACK-NX300_BN	1	SNA	BROWN

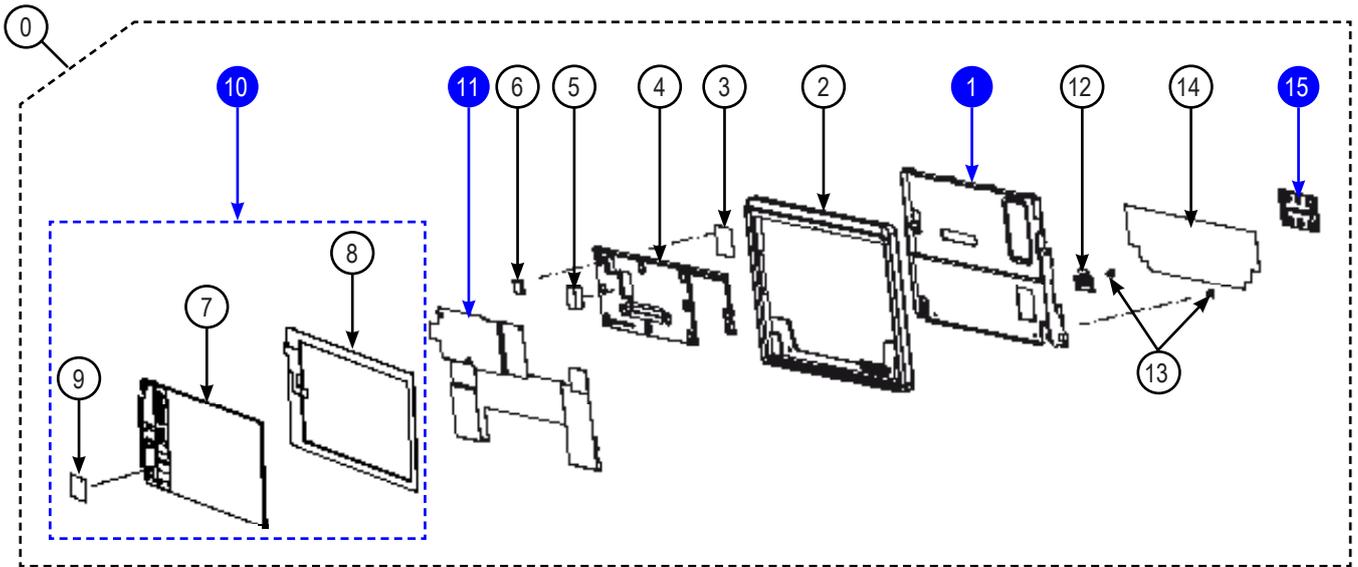
9-8 ASSY BACK



Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD97-23204A	ASSY BACK-NX300_BK	1	SNA	BLACK
	AD97-23204B	ASSY BACK-NX300_WH	1	SNA	WHITE
	AD97-23204C	ASSY BACK-NX300_BN	1	SNA	BROWN
1	AD63-07215A	COVER BACK_BK	1	SNA	BLACK
	AD63-07215B	COVER BACK_WH	1	SNA	WHITE
	AD63-07215C	COVER BACK_BN	1	SNA	BROWN
2	AD64-03857A	WINDOW ACCESS LAMP	1	SNA	

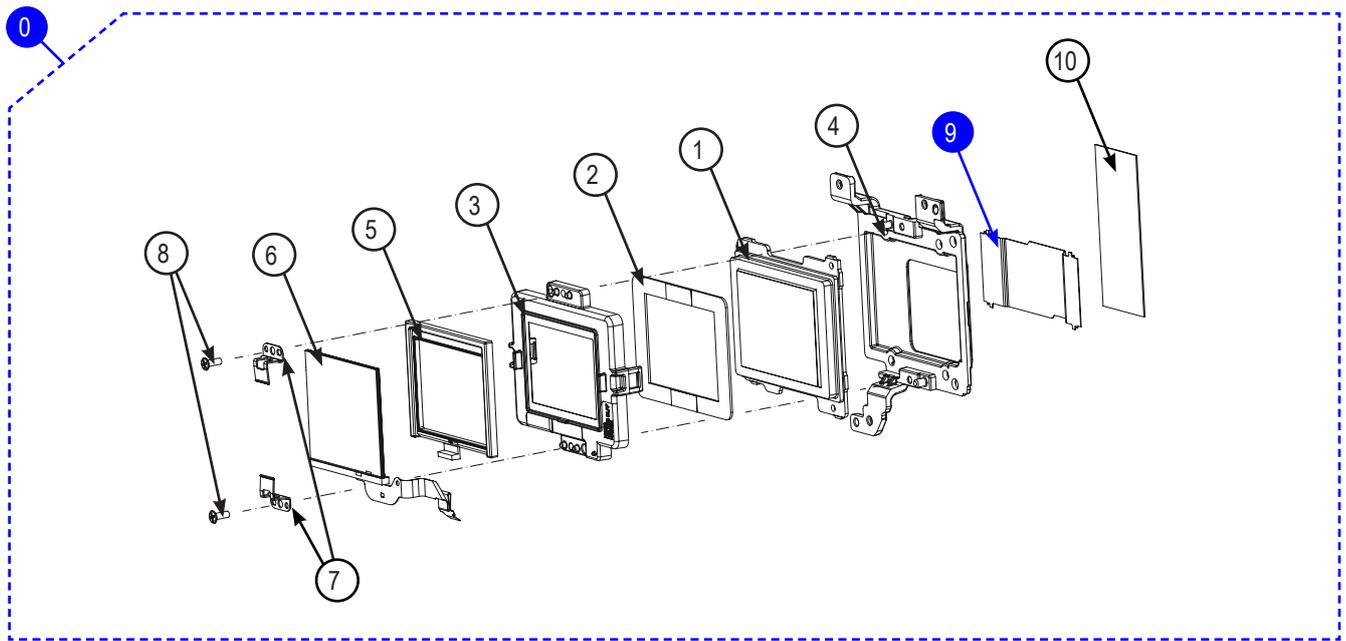
Loc. No.	Parts No.	Description	Qty	Available	Remark
3	AD64-03840A	BUTTON BACK_BK	1	SNA	BLACK
	AD64-03840B	BUTTON BACK_WH	1	SNA	WHITE
	AD64-03840C	BUTTON BACK_BN	1	SNA	BROWN
4	AD64-03841A	BUTTON FUNCTION_BK	1	SNA	BLACK
	AD64-03841B	BUTTON FUNCTION_WH	1	SNA	WHITE
	AD64-03841C	BUTTON FUNCTION_BN	1	SNA	BROWN
5	AD63-06891A	CUSHION REC	1	SNA	
6	AD64-03843A	BUTTON REC	1	SNA	
7	6031-001628	WASHER PLAIN	1	SNA	
8	AD63-07299A	GRIP BACK_BK	1	SNA	BLACK
	AD63-07299B	GRIP BACK_WH	1	SNA	WHITE
	AD63-07299C	GRIP BACK_BN	1	SNA	BROWN
9	AD61-05966A	MAGNET TILT A	2	SA	
10	AD61-05897A	FRAME BACK	1	SA	
11	AD92-02040A	ASSY PCB KEY	1	SA	
12	6003-001508	SCREW-TAPTYPE (M1.4XL3,NI)	5	SA	
13	AD97-23205A	ASSY TILT LCD_BK	1	SNA	BLACK, BROWN
	AD97-23205B	ASSY TILT LCD_WH	1	SNA	WHITE
14	6001-003021	SCREW-MACHINE (M1.4XL1.6,BLK)	4	SA	
15	AD63-07325A	T/SHEET CAM2	1	SNA	

9-9 ASSY TILT LCD



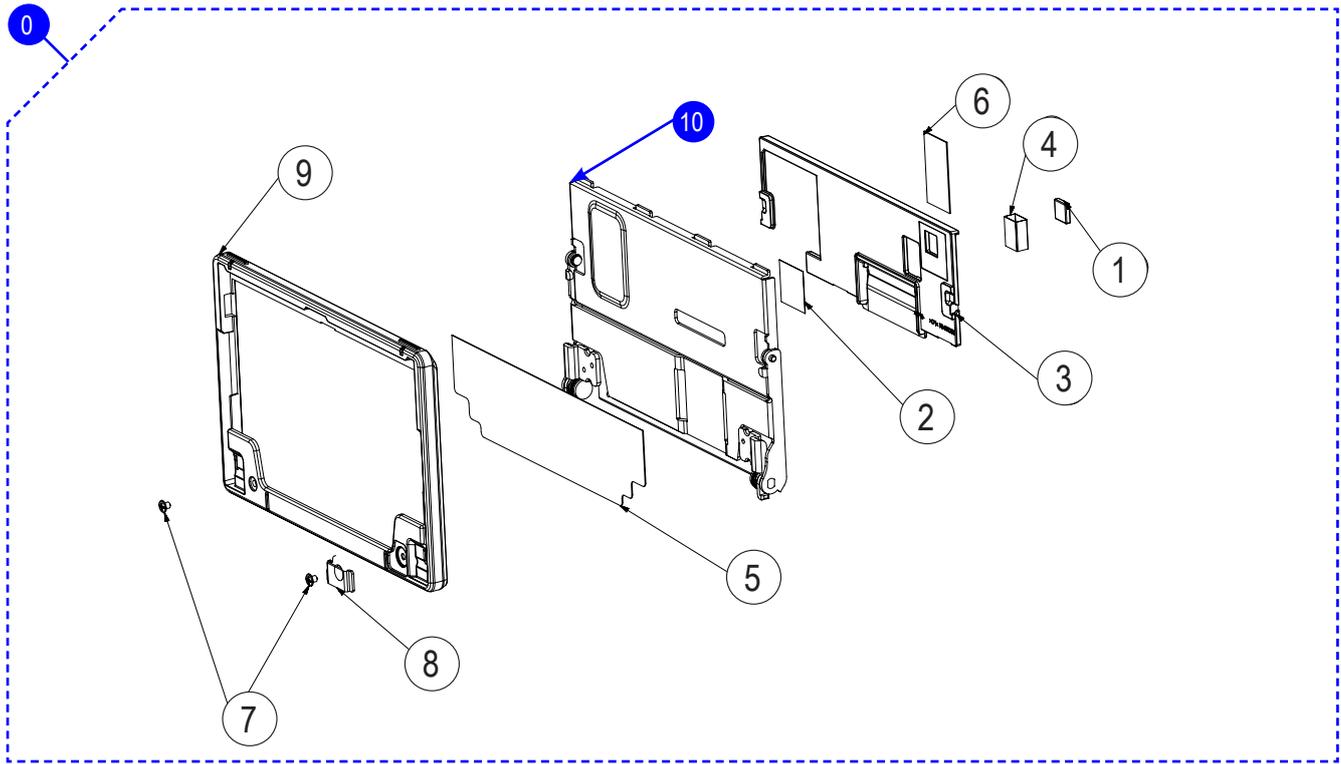
Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD97-23205A	ASSY-TILT LCD-NX300_BK	1	SNA	BLACK
	AD97-23205B	ASSY-TILT LCD-NX300_WH	1	SNA	WHITE
	AD97-23205C	ASSY-TILT LCD-NX300_BN	1	SNA	BROWN
1	AD97-23107A	ASSY TILT HINGE_BK	1	SA	
2	AD63-07244A	COVER DISPLAY_BK	1	SNA	BLACK
	AD63-07244B	COVER DISPLAY_WH	1	SNA	WHITE
	AD63-07244C	COVER DISPLAY_BN	1	SNA	BROWN
3	AD63-02443A	T/SHEET CONDENSOR	1	SNA	
4	AD63-07245A	COVER BASE_BK	1	SNA	
5	AD63-07462A	CUSHION SHIELD FOAM BACK	1	SNA	
6	AD61-05691A	MAGNET ROTATE	1	SNA	
7	AD07-00171A	OLED AM	1	SNA	
8	AD59-00209A	TOUCH/PANEL(C-TYPE)	1	SNA	
9	AD63-07325A	T/SHEET-CAM2	1	SNA	
10	AD97-23628A	ASSY-OLED-NX300	1	SA	
11	AD92-02015A	ASSY PCB SUB	1	SA	
12	AD61-05891A	PLATE MAGNET_BK	1	SNA	BLACK
	AD61-05891B	PLATE MAGNET_WH	1	SNA	WHITE
	AD61-05891C	PLATE MAGNET_BN	1	SNA	BROWN
13	6001-003021	SCREW-MACHINE (M1.4XL1.6,BLK)	2	SNA	
14	AD63-07501A	SHEET TILT_BK	1	SNA	
15	AD61-05895A	HOLDER FPCB_BK	1	SA	

9-10 ASSY CMOS



Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD97-23206A	ASSY CMOS-NX300	1	SA	
1	AD92-02011A	ASSY PCB CIS	1	SNA	
2	AD63-06276A	CUSHION CMOS	1	SNA	
3	AD61-05893A	HOLDER OLPF	1	SNA	
4	AD61-05756A	HOLDER CMOS	1	SNA	
5	AD67-02217A	RUBBER CMOS B	1	SNA	
6	AD97-21669A	ASSY PZT	1	SNA	
7	AD97-21628A	ASSY PLATE PZT	2	SNA	
8	6001-002159	SCREW MACHINE (M1.4XL4,NI)	2	SNA	
9	AD41-01765B	FPC;NX200 CIS FPCB	1	SA	
10	AD63-07448A	SHEET CIS FPCB	1	SNA	

9-11 ASSY LCD SUB



Loc. No.	Parts No.	Description	Qty	Available	Remark
0	AD97-23629A	ASSY LCD-SUB-NX300_BK	1	SA	BLACK
	AD97-23629B	ASSY LCD-SUB-NX300_WH	1	SA	WHITE
	AD97-23629C	ASSY LCD-SUB-NX300_BN	1	SA	BROWN
1	AD61-05691A	MAGNET-ROTATION	1	SNA	
2	AD63-02443A	T/SHEET CONDENSOR	1	SNA	
3	AD63-07245A	COVER-BASE	1	SNA	
4	AD63-07462A	CUSION SHIELD FOAM-BACK	1	SNA	
5	AD63-07501A	SHEET-TILT_BK	1	SNA	
6	AD63-07522A	SHEET-LCD CONNECTOR	1	SNA	
7	6001-003021	SCREW-MACHINE (M1.4XL1.6,BLK)	2	SNA	BLACK, BROWN
	6001-003022	SCREW-MACHINE (M1.4XL1.6,NI)	2	SNA	WHITE
8	AD61-05891A	PLATE-MAGNET_BK	1	SNA	BLACK
	AD61-05891B	PLATE-MAGNET_WH	1	SNA	WHITE
	AD61-05891C	PLATE-MAGNET_BN	1	SNA	BROWN
9	AD63-07244A	COVER DISPLAY_BK	1	SNA	BLACK
	AD63-07244B	COVER DISPLAY_WH	1	SNA	WHITE
	AD63-07244C	COVER DISPLAY_BN	1	SNA	BROWN
10	AD97-23107A	ASSY TILT HINGE_BK	1	SA	



Area	Web Site
Europe, MENA, CIS, Africa	http://gspn1.samsungsportal.com
E.Asia, W.Asia, China, Japan	http://gspn2.samsungsportal.com
N.America, S.America	http://gspn3.samsungsportal.com

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