

FUJIFILM



DIGITAL CAMERA

***FinePix S1800/
S1850/
S1880/
S1900***

SERVICE MANUAL

US/EF/E1/EG/EE/CH-model

⚠ CAUTION

- BECAUSE THIS PRODUCT IS RoHS LEAD-FREE COMPLIANT, USE THE DESIGNATED AFTER-SALES PARTS AND THE DESIGNATED LEAD-FREE SOLDER WHEN PERFORMING REPAIRS.

⚠ WARNING

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

SAFETY CHECK-OUT

After correcting the original problem, perform the following safety check before return the product to the customer.

1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splasher and bridges.

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

3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.

4. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.

5. Check the B + voltage to see it is at the values specified.

6. Make leakage - current measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

7.



RISK OF FIRE-
REPLACE FUSE
AS MARKED

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

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

8.



WARNING!
HIGH VOLTAGE

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

RoHS lead-free compliance

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

*1: Definition of lead-free

A lead content ratio of 0.1 wt% or less in the applicable locations (solder, terminals, electronic components, etc.)

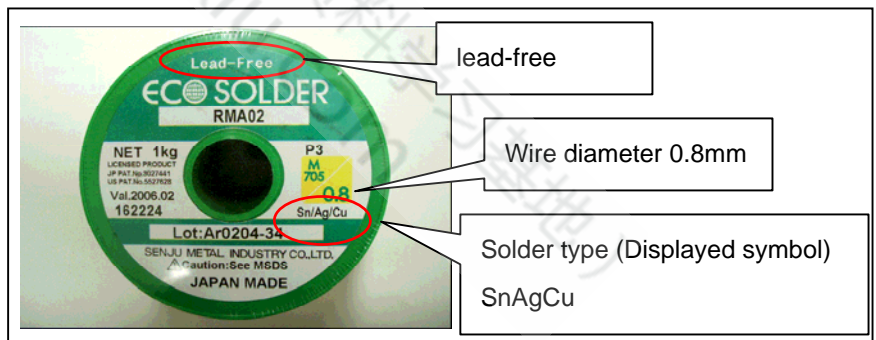
<Lead-free soldering>

When lead-free solder is used, the solder tends to be less workable than when eutectic solder is used. When carrying out repairs, use a designated lead-free solder, bearing in mind the differing work practices for eutectic solder and lead-free solder.

■ Differences in the soldering work for lead-free and eutectic solder

	Eutectic solder (Sn-Pb)	Lead-free solder (Sn-Ag-Cu)	
Melting point	183° C	220° C	
Soldering iron temperature	283° C	320° C	The bonding temperature that will give the best bond strength.
Wetting	Good	Poor	
Surface	Gloss	Matte	

■ Recommended equipment



■ Soldering iron maintenance

Because of the high soldering iron temperature in lead-free soldering, there is rapid carbonization of the flux adhering to the tip of the soldering iron.

- (1) Always cover the tip of the soldering iron with solder when it is not being used.
- (2) If the tip is black from carbonization, wipe it gently with a paper towel soaked in alcohol until the solder will wet.

CONTENTS

1. Disassembly	1-1	4. Inspection	4-1
REAR COVER ASSY	1-1	4-1. Required Measuring Equipment	4-1
BATTERY COVER ASSY	1-2	4-2. Connection of Measuring Equipment	4-1
LCD HOLDER ASSY and LCD:	1-3	4-3. Inspection and Factory Settings	4-2
STRAP LEFT & TOP BOARD MYLAR & WIRE FFC & PCBA SHUTTER ASSY & TOP BOARD ASSY & EVF ASSY & EVF.....	1-4	5. Parts List	5-1
FLASH TCOVER PI B & FLASH HINGE & FLASH BOTTOMASSY & TOP COVER CONST:.....	1-7	5-1. Packing and Accessories	5-1
MAIN PWB ASSY	1-8	5-1-1. FinePix S1800 E1-model	5-1
PCBA AF LED ASSY	1-9	5-1-2. FinePix S1800 EF-model	5-2
LENS CONST	1-10	5-1-3. FinePix S1800 EE-model	5-3
FRONT COVER ASSY B & FRAME ASSY & CAP MYLAR	1-10	5-1-4. FinePix S1800 EG-model	5-4
2. Schematics	2-1	5-1-5. FinePix S1800 US-model	5-5
Cautions	2-1	5-1-6. FinePix S1850 EG-model	5-6
Block Diagram	2-2	5-1-7. FinePix S1880 CH-model	5-7
Overall connection Diagram.....	2-3	5-1-8. FinePix S1900 EE-model	5-8
Mounted Parts Diagrams	2-4	5-1-9. FinePix S1900 EG-model	5-9
MAIN PWB ASSY	2-4	5-2. Mechanical Block	5-10
3. Adjustments	3-1	5-3. Electrical parts	5-11
3-1. Important point before adjustment	3-1	6. Appendix	6-1
3-1-1. The handling of image files in internal memory	3-1	6-1. List of Related Technical Updates Issued	6-1
3-1-2. Adjustment when replacing major parts	3-2		
3-2. Measuring instruments used	3-2		
3-3. Use jig list	3-3		
3-4. Calibration method of pattern box	3-3		
3-5. Preparation of Adjustment Software	3-4		
3-5-1. Various downloading software decompressions, preservation methods, and notes	3-5		
3-5-2. Composition of Adjustment Software, and Creation of SD Card for Adjustment	3-6		
3-5-3. Creating a firmware SD card	3-6		
3-5-4. Creating a LCD Adjustment SD card.....	3-7		
3-6. LCD Adjustment	3-8		
3-7. Module Select	3-9		
3-8. Firmware Download	3-11		
3-9. EFA Adjustment	3-13		
3-10. Shutter Delay Adjustment	3-14		
3-11. ISO_DBP_Shading Adjustment	3-15		
3-12. RunIn.WBP Adjustment	3-17		
3-13. OIS DATA Download	3-18		
3-14. Preparation of FxS1700 USB ID/ LENS DATA Writing Software	3-19		
3-15. LENS DATA Read	3-23		
3-16. USB_ID/LENS DATA Writing	3-24		
3-16-1.USB_IDWriting	3-24		
3-16-2. LENS DATA_Writing	3-26		
3-17.OIS Calibration	3-27		
3-18. Destination Setting	3-32		

■ REAR COVER ASSY B:

Prerequisites:

[1] Remove:

1. If the memory card or battery inside the camera, please remove it.

To Remove:

★ [1] Remove the screws(085-0352-001)*7 and (085-0339-001)*4

[3] Take out the REAR COVER ASSY B.



CAUTION: REAR COVER ASS'Y(S/P) includes TAPE LCD WINDOW but do not include LCD Window. LCD Window is an individual part.



To Install:

[1] Install the REAR COVER A'SSY

[2] Check the REAR COVER whether has been well-fixed

Postrequisites:

None

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■Revised:05, Jan. 2010

BATTERY COVER ASSY B:

Prerequisites:

[1] Remove:

- REAR COVER ASSY
-

To Remove:

[1] Take out the BATTERY COVER ASSY.



To Install:

[1] Reverse the steps in the removal procedure

Postrequisites:

None

LCD HOLDER ASSY and LCD:

Prerequisites:

[1] Remove:

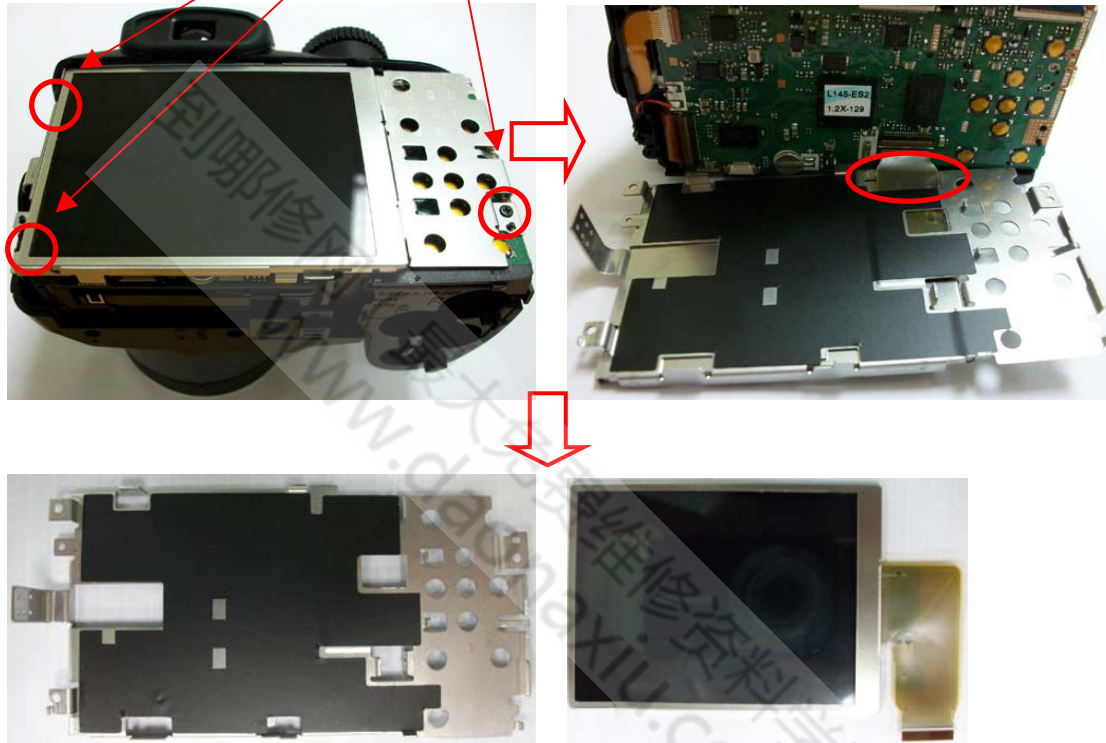
•REAR COVER ASSY •BATTERY COVER ASSY

To Remove:

[1] Remove the screws *3. (085-0340-001)

[2] Remove the LCD FPC

[3] Separate LCD from LCD HOLDER ASSY.



To Install:

[1] Reverse the steps in the removal procedure.

Postrequisites:

None

1.Disassembly

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STRAP LEFT & TOP BOARD MYLAR & WIRE FFC & PCBA SHUTTER ASSY & TOP BOARD ASSY & EVF ASSY & EVF:

Prerequisites:

[1] Remove:

• REAR COVER ASSY • BATTERY COVER ASSY • LCD HOLDER ASSY & LCD

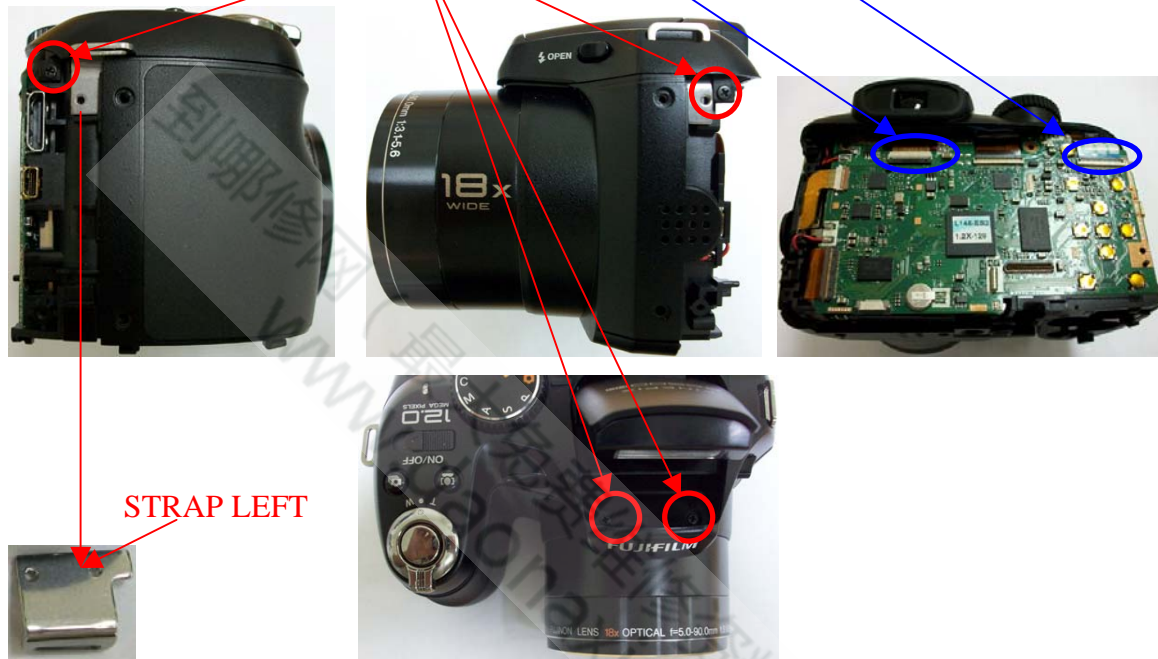
Warning: Dangerous voltage.

Use a discharger to discharge the power of “big capacitor” to avoid the shock.

To Remove:

[1] Remove the screws *4(085-0340-001), EVF FPC and WIRE FFC.

[2] Take out the STRAP LEFT.



[3] After take out the TOP COVER ASS'Y, discharge the power of “Flash Capacitor”.



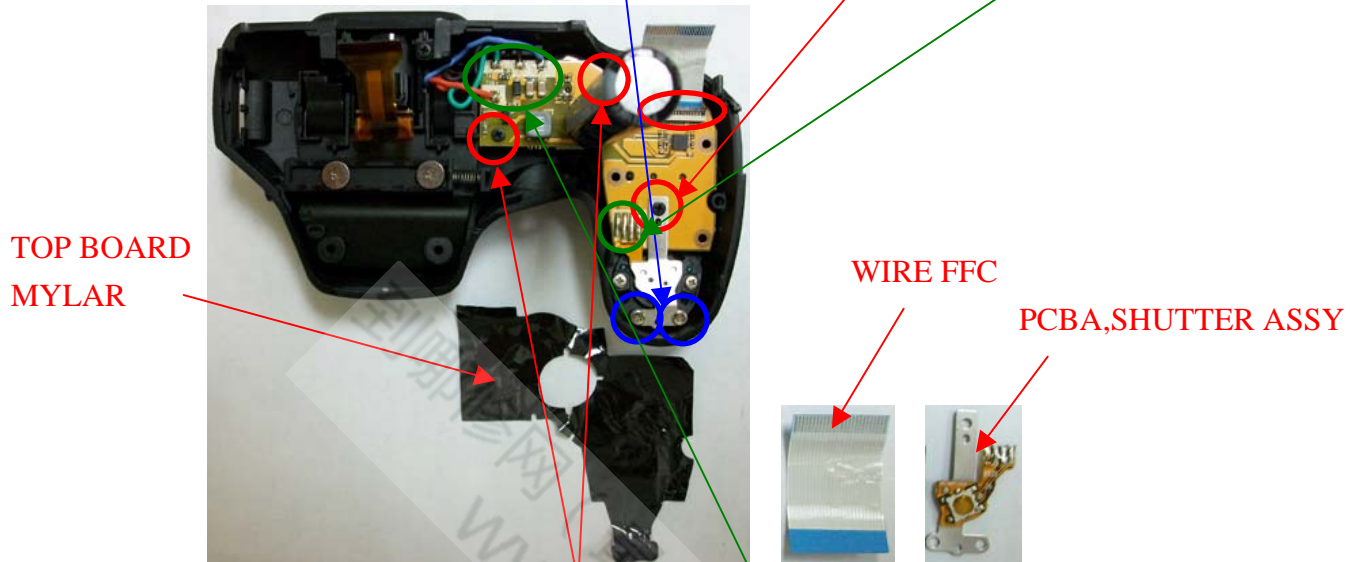
1.Disassembly

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[4] Take out TOP BOARD MYLAR and WIRE FFC.

[5] Remove the screws *2(085-0343-001), screw *1(085-0340-001) and unsolder soldering joints.

[6] Take out the PCBA SHUTTER ASSY.



[7] Remove the screw *2(085-0340-001), and unsolder Flash wires.

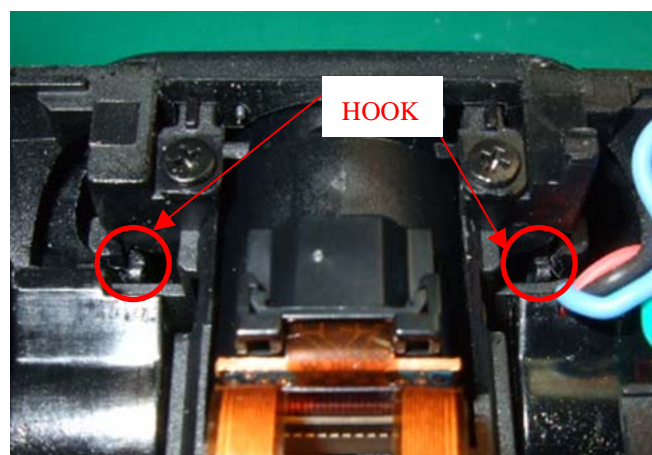
[8] Take out the TOP BOARD ASSY



[9] Remove the screws *2(085-0340-001).

[10] Take out the EVF ASSY

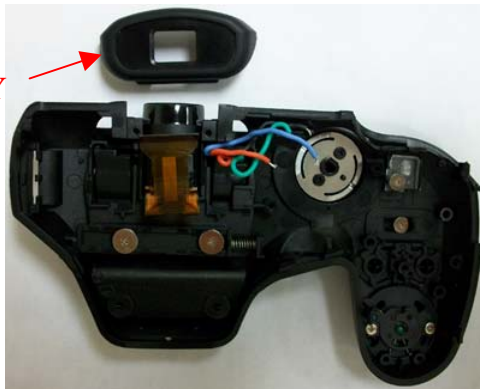
Caution : Push the two hook toward inside direction and take out the EVF ASSY carefully.
Don't damage the EFA ASSY.



1.Disassembly

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EVF ASSY



[11] Remove the screws *2(085-0340-001).

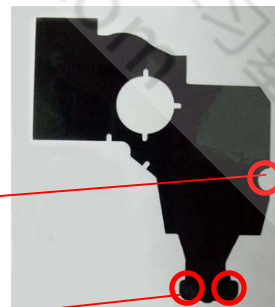
[12] Take out the EVF.



To Install:

[1] Reverse the steps in the removal procedure.

[2]The aligned points for assemble TOP BOARD MYLAR on the TOP BOARD ASSY.



Attention : Pulling of wiring is the following figure referring.



Postrequisites:

None

FLASH TCOVER PI B & FLASH HINGE & FLASH BOTTOM ASSY & TOP COVER CONST:

Prerequisites:

[1] Remove:

• REAR COVER ASSY • BATTERY COVER ASSY • LCD HOLDER ASSY & LCD

To Remove:

[1] Remove the screws *2(085-0340-001).

[2] Take out the FLASH TCOVER PI B.



[3] Remove the FLASH HINGE.

[4] Take out the FLASH BOTTOM ASSY.



[5] Take out the TOP COVER CONST.

To Install:

[1] Reverse the steps in the removal procedure.

Postrequisites:None

MAIN PWB ASSY:

Prerequisites:

[1] Remove:

- REAR COVER ASSY • BATTERY COVER ASSY • LCD HOLDER ASSY & LCD
- TOP COVER ASSY

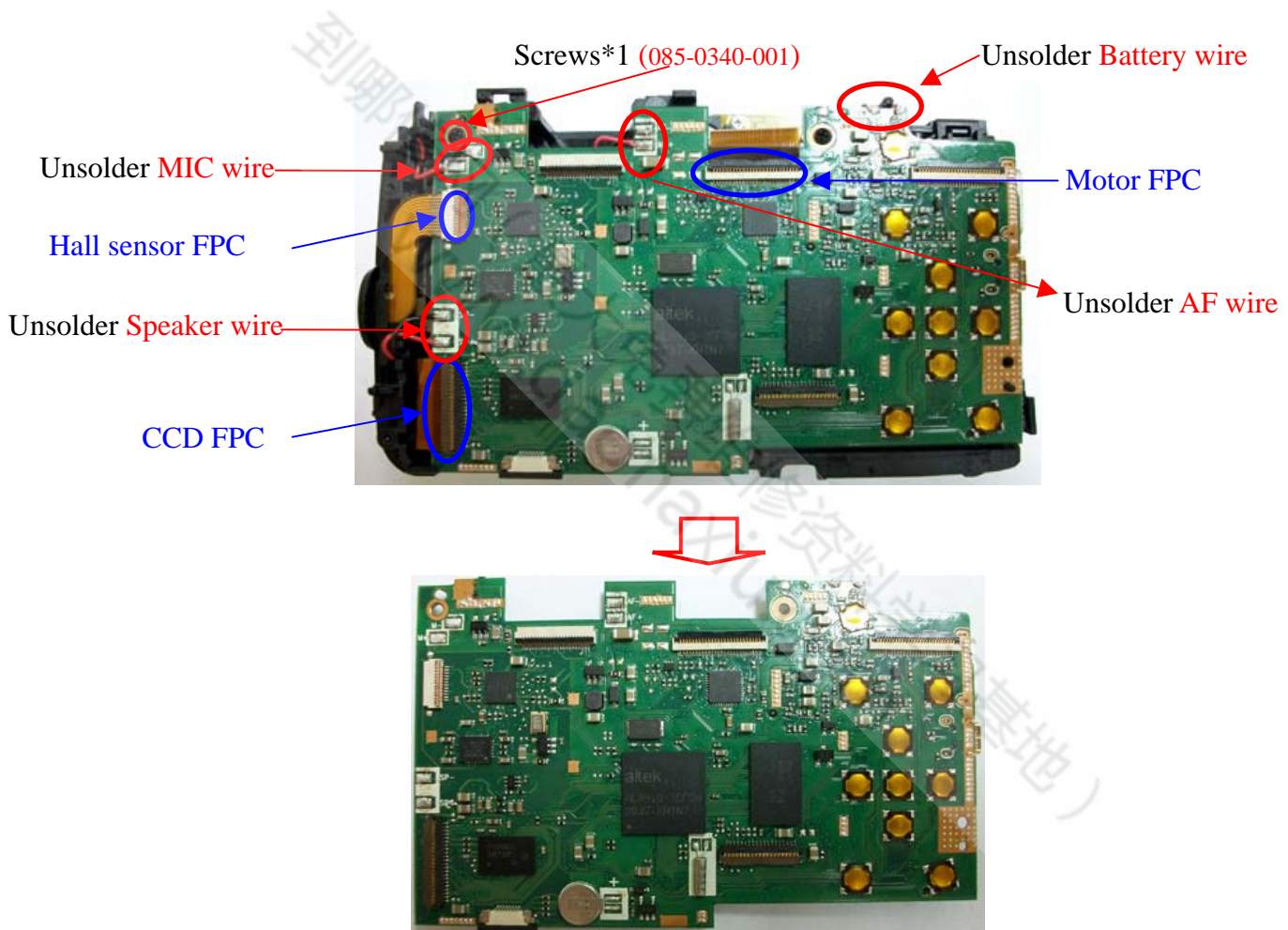
To Remove:

[1] Remove the screws *1(085-0340-001).

[2] Unsolder SPEAKER wires, Microphone wires, AF wires and Battery wire from Main board.

[3] Remove CCD/FPC, Motor/FPC and Hall sensor FPC.

[4] Take out the MAIN BOARD ASS'Y.



To Install:

[1] Reverse the steps in the removal procedure.

Postrequisites:

None

PCBA AF LED ASSY:

Prerequisites:

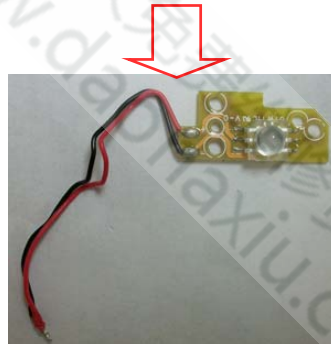
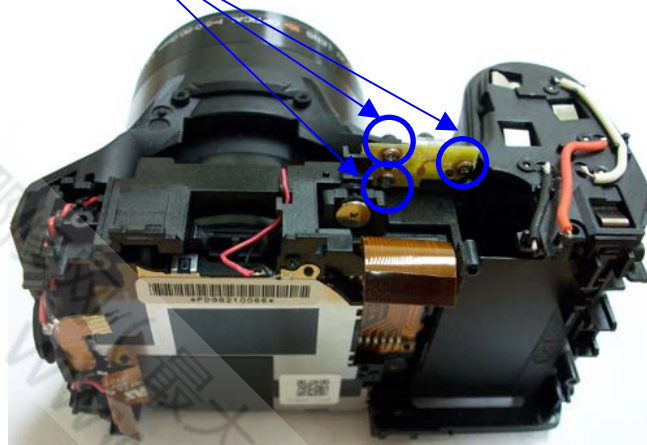
[1] Remove:

- REAR COVER ASSY • BATTERY COVER ASSY • LCD HOLDER ASSY & LCD
- TOP COVER ASSY

To Remove:

[1] Remove screw*3 (085-0343-001).

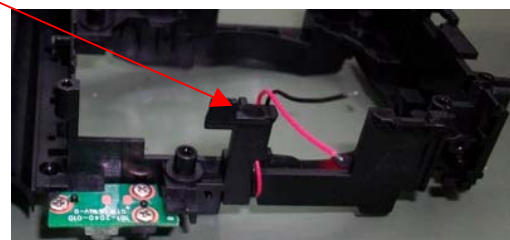
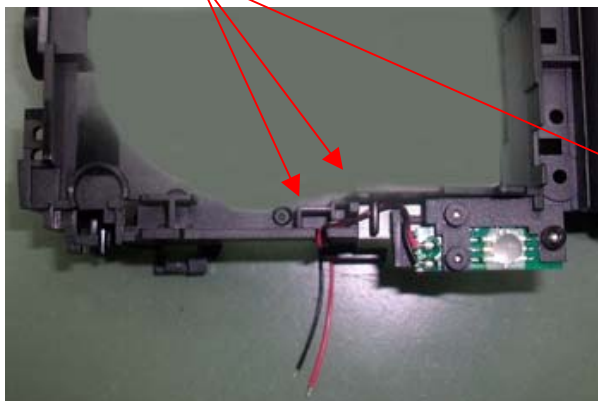
[2] Take out the PCBA AF LED ASSY.



To Install:

[1] Reverse the steps in the removal procedure.

[2] Follow the grooves to assemble the wires of PCBA AF LED ASSY on Main Frame.



Postrequisites:

None

LENS CONST:

Prerequisites:

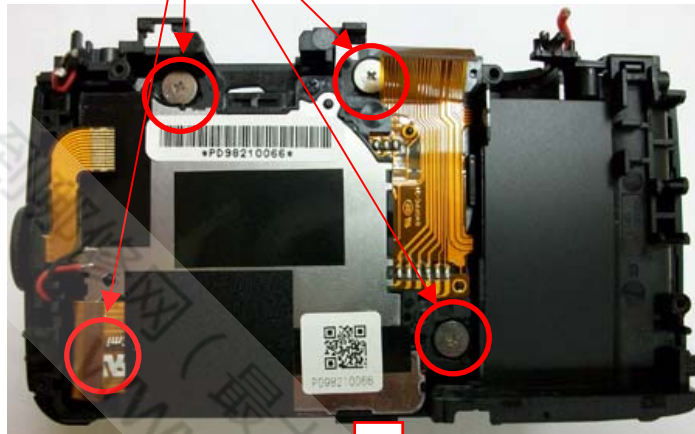
[1] Remove:

- REAR COVER ASSY • BATTERY COVER ASSY • LCD HOLDER ASSY & LCD
 - TOP COVER ASSY • MAIN PWB ASSY_1
-

To Remove:

[1] Remove screw*4 (085-0341-001).

[2] Take out the LENS CONST.



To Install:

[1] Reverse the steps in the removal procedure.

Postrequisites:

None

FRONT COVER ASSY B & FRAME ASSY & CAP MYLAR

Prerequisites:

[1] Remove:

- REAR COVER ASSY • BATTERY COVER ASSY • LCD HOLDER ASSY & LCD
- TOP COVER ASSY • MAIN PWB ASSY_1 • LENS CONST

To Remove:

[1] Remove the CAP MYLAR.

[2] Remove the screw*5(085-0340-001).

[3] Take out the FRAME ASSY, FRONT COVER ASSY B and MICROPHONE.



Screws*5 (085-0340-001)

FRAME ASS'Y



SIDE DOOR is included in
FRAME ASSY

FRONT COVER ASSY B



MICROPHON

To Install:

[1] Reverse the steps in the removal procedure.

[2]The aligned points for assemble CAP MYLAR on the FRAME ASSY.



[3] Follow the grooves to assemble the wires of Microphone on Main Frame.



Postrequisites:

None

2.Scematics

■2. Scematics

2-1. Cautions

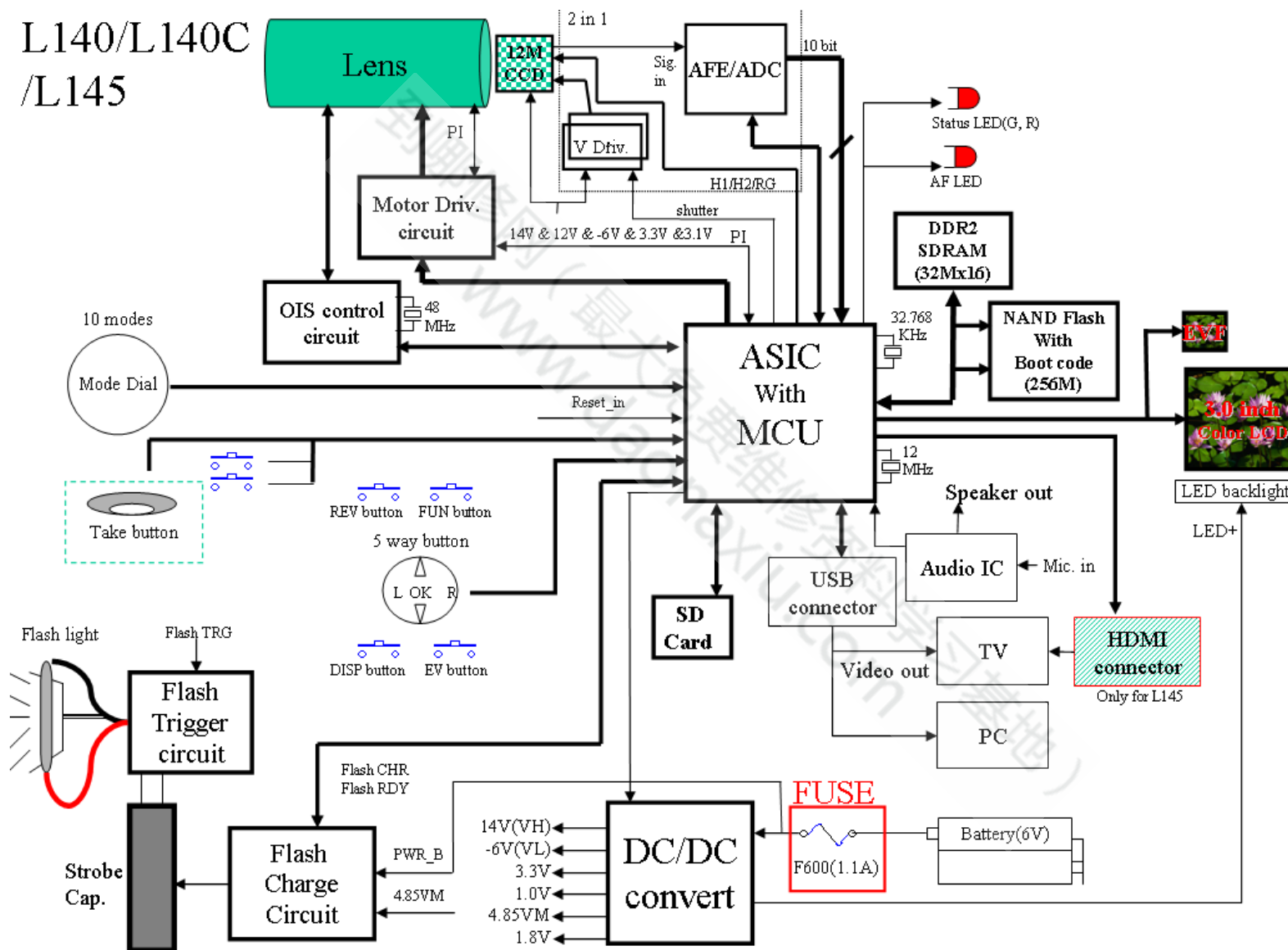
<Cautions when replacing parts>

- Do not reuse removed parts. Always use new parts.
- Note that the negative side of tantalum condensers is readily damaged by heat.
- Except for chemical condensers and tantalum condensers, voltage is not displayed on condensers with a voltage resistance of 50V or less.
- Resistors not marked are 1/16W chip resistors.
- $K\Omega = 1000\Omega$, $M\Omega = 1000K\Omega$

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www.daonaxiu.com

2. Schematics

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★ 3. Adjustments

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

Image files contained in the internal memory should be handled as described below.

<Procedure for handling images>

When either of following work is necessary, as many as possible of the image files should be extracted from the camera's internal memory and then written into the internal memory in the repaired or replacement camera before the camera is returned to the customer.

1. When the replacement camera is provided.

2. If adjustment using the adjustment software is required.

--->To prevent accidental erasure, carry out this Step not only when the MAIN PWB ASSY is replaced but in all cases.

*Note

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

<Image file transfer procedure>

I. Procedure when images can be downloaded to a PC

* If a memory card is inserted, data in the internal memory cannot be backed up.

(1) Back up the images stored in internal memory.

- Create a folder (named and located so as to avoid any confusion with the user's images).
- Without inserting a memory card, connect the camera to a PC and copy the image files on the removable disk recognized by the PC to the folder created in the previous Step .
- Check that the images can be displayed correctly on the PC.

(2) Return the backed up image files from the PC to the camera.

- Turn the camera on without a memory card inserted and format the camera's internal memory.
- Without inserting a memory card, connect the camera to the PC and copy the image files from the folder containing the images backed up in the previous Step onto the removable disk recognized by the PC.
- Check that the images can be displayed correctly on the camera.
- Delete the backup files created on the PC in Step (1) (the user's image files).

II. Procedure when images cannot be downloaded to a PC

(1) Back up the images stored in internal memory.

- Insert a memory card to be used for image backup into the camera and format the card.
- From the SETUP menu, reset the frame numbers.
- Select image copying from the playback menu, select "Camera -> Card" for all the frames and then copy the images.
- Check that the images can be displayed correctly on the camera.

(2) Return the backed up image files from the memory card to the camera.

- Before inserting the card, format the camera's internal memory.
- Insert the memory card containing the backed up copies of the user's image files.
- From the SETUP menu, reset the frame numbers.
- Select image copying from the playback menu, select "Card -> Camera" for all the frames and then copy the images.
- Remove the memory card and check that the images can be displayed correctly on the camera.
- From the SETUP menu, set the frame numbers to the default sequence.
- If the image file numbers have changed, always notify the user in writing that the image file numbers have changed.

III. Procedure for PTP-connected cameras and images that cannot be downloaded to a PC

(Images can only be backed up to a PC. * Normally, back up images using procedure II.)

(1) Back up the images stored in the camera's built-in memory.

- Create a folder (named and located so as to avoid any confusion with the user's images).
- Without inserting a memory card, connect the camera to the PC and check the image files in the camera on the PC. Then copy those files to the folder described on the previous page.
- Check that the images can be viewed successfully on the PC.

(2) Return the backup image files from the PC to the camera.

- With no memory card inserted, turn the camera on and format the built-in memory.
- Using a card reader or similar device, check the memory card to be used for image file backup on your PC.
- Copy the image files from the image file backup folder on the previous page into the "DCIM¥100_FUJI¥" folder on the image file backup memory card.
- Using a safe procedure, remove the image file backup memory card from your PC.
- Load the image file backup memory card into the camera.
- Select "Copy image" in the Playback menu, select all the frames in "Card -> Camera" and then copy the images.
- Remove the memory card and check that the images can be viewed successfully.
- Delete the backup files (user image files) created on the PC in Step (1).

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3. Adjustments

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3-1-2. Adjustment when replacing major parts

Note that the adjustment data will be erased if the adjustment sequence is not followed correctly.

No.	Replacing parts	MAIN PWB ASSY	LENS CONST	LCD
0	LCD Adjustment	○		○
★ 1	Firmware Download *	○		
★ 2	Module Select	○		
3	EFA Adjustment	○	○	
4	Shutter Delay Adjustment	○	○	
5	ISO DBP Shading Adjustment	○	○	
6	RunIn WBP Adjustment	○	○	
7	OIS DATA Download	○	○	
8	USB ID/LENS DATA Writing	○	○	
9	OIS Calibration	○	○	
10	Destination Setting	○		

* Always download the firmware after completing the adjustments and replace the adjustment firmware with the project firmware.

3-2. Measuring instruments used

Measuring equipment	Remarks
PC	Used for USB ID/LENS DATA Write and operation checks (PC-AT compatible)OS: Win XP, SP2
Brightness meter	LS-110 (Minolta) or equivalent
Color temperature meter	Color Meter IIIF (Minolta) or equivalent
Pattern box	PTB450F

3. Adjustments

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3-3. Use jig list

★

Parts. No	Name	Comment	Remarks
ZJ01733-101	FxS1700 W PC Soft Ver.2.00	General adjustment	Windows 2000/XP J OS New jig * For the S1800/S1850/S1880/S1900
ZJ01732-101	FxS1700 Firmware Ver.2.00	Firmware Download	New jig * For the S1800/S1850/S1880/S1900
ZJ01734-100	FxS1700 USB ID/LENS DATA Writing Software	USB_ID/LENS DATA Writing	New jig * For the S1800/S1850/S1880/S1900
ZJ01735-100	FxS1700 OIS Calibration Software	OIS Calibration	New jig * For the S1800/S1850/S1880/S1900
ZPU0512-100	SD CARD ULTRA 1GB	General adjustment	
ZJ00611-100	X-Y stage for AF adjustment	General adjustment	Common with the FinePix M603
ZJ00653-100	LB140 filter holder kit for X-Y stage	General adjustment	Common with the FinePix F700
ZJ00553-100	AF solid chart	General adjustment	Common with the FinePix S2Pro
ZJ00008-100	Lens holder	EFA Adjustment	Common with the FinePix M603
ZJ00009-100	Stand	EFA Adjustment	Common with the FinePix M603
ZJ00251-100	Siemens star chart	EFA Adjustment	Common with the MX500
ZJ00007-100	Conversion lens (f=600mm)	EFA Adjustment	Common with the MX500
ZJ00006-100	LB140 filter	ISO_DBP_Shading Adjustment	Common with the DS-30/DS-20/DS-7 DS-30/DS-20/DS-7
056-0166-001	USB cable	USB_ID/LENS DATA Writing	This is bundled to the product
ZJ01728-100	N SCREW DRIVER	General repair	
ZJ00581-100	Discharger	Discharger for FLASH UNIT	
ZJ01108-100	Vibration generator	OIS Calibration	Common with the FinePix F50fd (Eccentric axis type A: With ZJ01122-100 as set) Separate AC cable
ZJ01107-100	S1700ADP for Vibration gen	OIS Calibration	New jig
ZJ01119-100	Filter holder	OIS Calibration	Common with the FinePix F50fd
ZJ01118-100	45 degree adaptor	OIS Calibration	Common with the FinePix F50fd
ZJ01148-100	Eccentric axis type C (0.2)	OIS Calibration	Common with the FinePix S100FS
ZJ01123-100	ND Filter 75mm size Concentration 0.5	OIS Calibration * Will be provided as required.	Common with the FinePix F50fd
ZJ01124-100	ND Filter 75mm size Concentration 1.0	OIS Calibration * Will be provided as required.	Common with the FinePix F50fd
ZJ01125-100	ND Filter 75mm size Concentration 1.5	OIS Calibration * Will be provided as required.	Common with the FinePix F50fd
ZJ01126-100	ND Filter 75mm size Concentration 2.0	OIS Calibration * Will be provided as required.	Common with the FinePix F50fd
CR0130900U9	DC COUPLER CP-04	General adjustment	Common with the FinePix S1000fd
ZJ01113-100	LED Chart (IS)	OIS Calibration	Common with the FinePix F50fd
ZJ01134-100	QR Code reader	USB_ID/LENS DATA Writing	Common with the FinePix S8000fd

* In the future, if upgraded versions of the firmware are released, use the most recent version.

Please download from Web server (https://denhin.fujifilm.co.jp/csg_en/index.htm or <http://fujifilm-di.intranets.com/>).

3. Adjustments

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3-4. Calibration method of pattern box

<Use the pattern box for Camera adjustment>

Turn on the power supply in the pattern box.

Afterwards, wait for about ten minutes so that the source of light may stabilize.

(1) Brightness

160 \pm 5 cd/m² (with LB140 filter)

No chart, center of pattern box

Minolta brightness meter LS-110 or equivalent

* Calibration method

Place the filter (LB140) against the pattern box. With the filter (LB140) in contact with the brightness meter, adjust the pattern box brightness to 160 \pm 5 cd/m².

(2) Color temperature

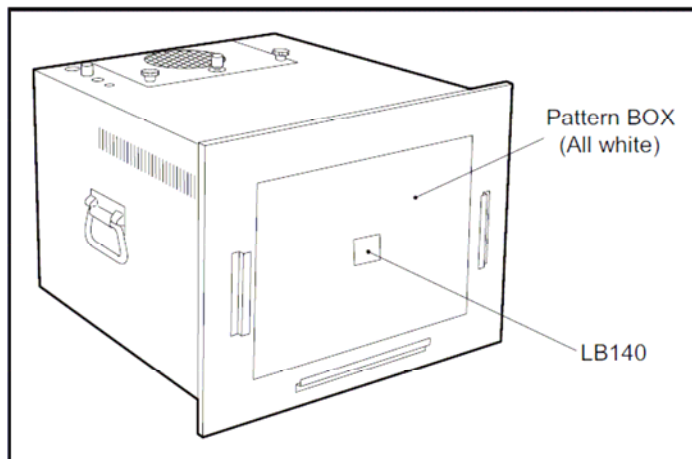
6100 \pm 50 K (with LB140 filter)

No chart, center of pattern box

Minolta color meter IIIIF or equivalent

* Calibration method

Place the filter (LB140) against the pattern box. With the filter (LB140) in contact with the color temperature meter, adjust the pattern box color temperature to 6100 \pm 50 K.



<Calibration method of pattern box>

3. Adjustments

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★ 3-5. Preparation of Adjustment Software

3-5-1. Various downloading software decompressions, preservation methods, and notes

The PC adjustment softwares are in a specified Web server, and both of these are the compression of ZIP form files.

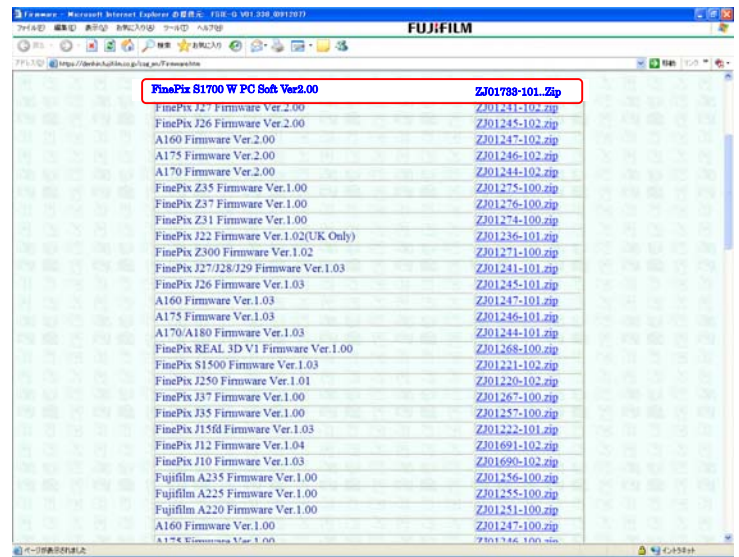
Therefore, after downloading these compression files from the Web server, the decompression of the file is necessary.

In the decompression software, if the decompression of the ZIP form can be done, any software is OK.

(Please prepare each one for the decompression software.)

The decompression and the preservation method of the PC adjustment software and the firmware are described to the following.

* The adjustment soft decompression and set up the adjustment card.



<Screen>

<Step 1>

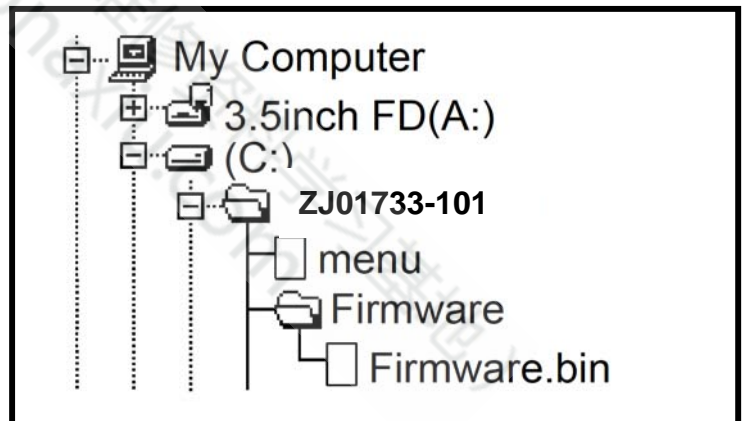
The adjustment software is downloaded from WEB, and software is installed in the PC.

We have uploaded the "ZJ01733-101.Zip" on our website:

(https://denhin.fujifilm.co.jp/csg_en/index.htm).

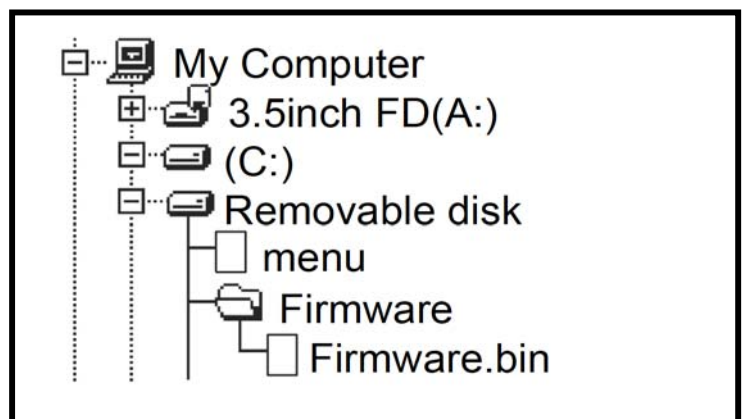
<Step 2>

"ZJ01733-101.Zip" is a compression of "ZIP type" file



<Step 3>

Copy the "menu" file and "Firmware" folder in the "ZJ01733-101" folder to a formatted SD card.



3. Adjustments

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3-5-2. Composition of Adjustment Software, and Creation of SD Card for Adjustment

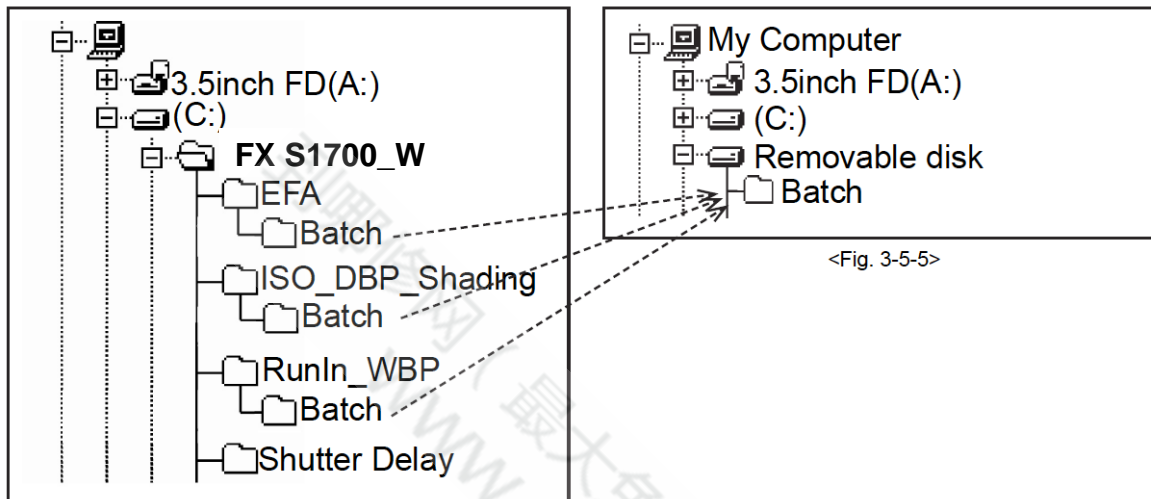
In order to perform adjustment, an SD card for each adjustment item must be created.

<Step 1>

Copy the "Batch" folder (Fig. 3-5-4) of the folder for each item to be adjusted, and specified files directly under the SD card, following the instructions given for each item to be adjusted (Fig. 3-5-5).

* When a "Batch" folder already exists directly under SD card, delete this folder before copying.

* When it is not clear anymore which "Batch" folder is directly under SD card, redo the procedure starting with this step.



<Fig. 3-5-5>

< Fig.3-5-4 >

3-5-3. Creating a firmware SD card

In order to perform Firmware Download, it is necessary to create a firmware SD card.

<Step 1>

Download compressed Firmware (ZJ01732-***.zip) from Web server (https://denhin.fujifilm.co.jp/csg_en/index.htm).

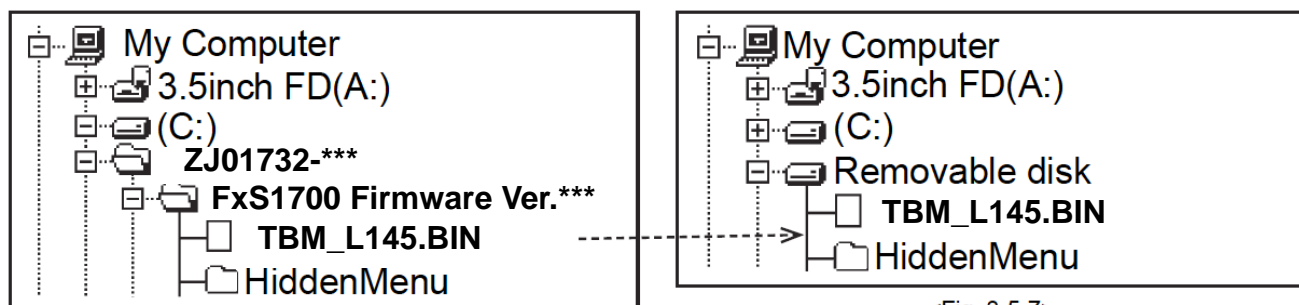
<Step 2>

Decompression the downloaded compression file (Fig. 3-5-6).

<Step 3>

Copy the "TBM_L145.BIN" file and the "HiddenMenu" folder, which are stored in the extracted "FxS1700 Firmware Ver.***" folder, under SD card (Fig. 3-5-7).

* When a "Batch" folder already exists directly under SD card, delete this folder.



<Fig. 3-5-6>

<Fig. 3-5-7>

3. Adjustments

Confidential: FUJIFILM Service Center Use Only

3-5-4. Creating a LCD Adjustment SD card

In order to perform LCD Adjustment, it is necessary to create a LCD Adjustment SD card.

[Note]

- Please use the software properly according to the LCD manufacturer.

<Confirm method>

Judge the manufacturer with the stamp in the LCD frame.

LCD Frame	Manufacturer	Use software
GIANTPLUS	GPT	LCDTypeSelect_GPT 3.0
WINTEK	WINTEK	LCDTypeSelect_WINTEK3.0



<Step 1>

Download compressed Adjustment software of LCD from Web server (https://denhin.fujifilm.co.jp/csg_en/index.htm)

(Figure : for WINTEK).

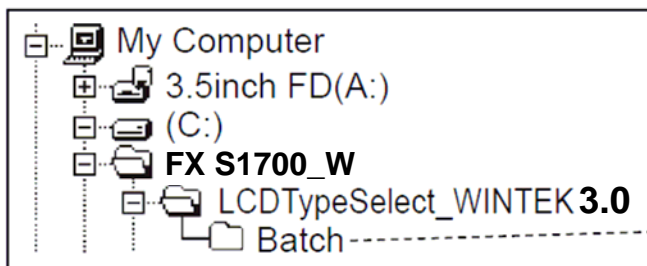
<Step 2>

" Fx S1700 W PC SOFT Ver.2.00" is opened. (Fig. 3-5-8).

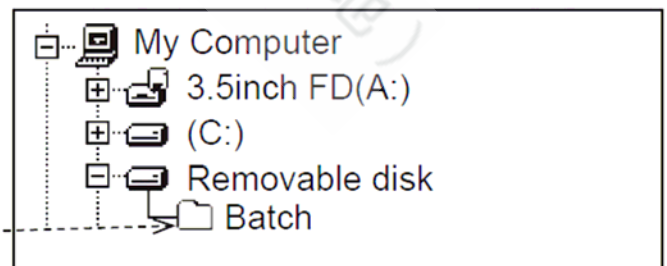
<Step 3>

Copy the "Batch" folder stored in LCDTypeSelect_WINTEK 3.0 folder directly under the SD card (Fig. 3-5-9).

* When a "Batch" folder already exists directly under SD card, delete this folder before copying.



<Fig. 3-5-8>



<Fig. 3-5-9>

3. Adjustments

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3-6. LCD Adjustment

[Note]

- Do not turn the camera off until the LCD Adjustment is completed.

<Step 1>

Insert the LCD Adjustment SD card into the camera.

<Step 2>

Connect the DC COUPLER CP-04 to the camera.

<Step 3>

Set the camera's power switch to "ON"

[Note] Cancel when the date setting screen appears.

<Step 4>

The adjustment starts by the automatic operation, and the power supply cuts. Remove the LCD Adjustment SD card.

-->LCD Adjustment ends.

3. Adjustments

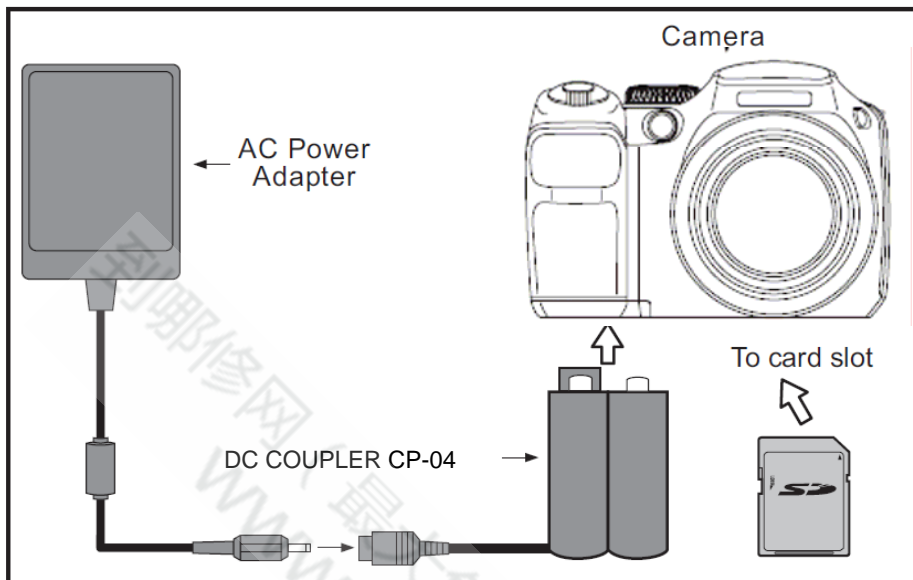
Confidential: FUJIFILM Service Center Use Only

3-7. Firmware Download

[Note]

- Always download the latest version of the firmware.
- Do not turn the camera off until the Module Select is completed.

<Settings for Firmware Download >



<Step 1>

Insert the firmware SD card into the camera.

<Step 2>

Connect the DC COUPLER CP-04 to the camera.

<Step 3>

Set the camera's power switch to "ON"

[Note] Cancel when the date setting screen appears.

<Step 4>

Press the MENU/OK button to select "SET-UP" and then press the MENU/OK button.

<Step 5>

Select "RESET" and press the MENU/OK button.

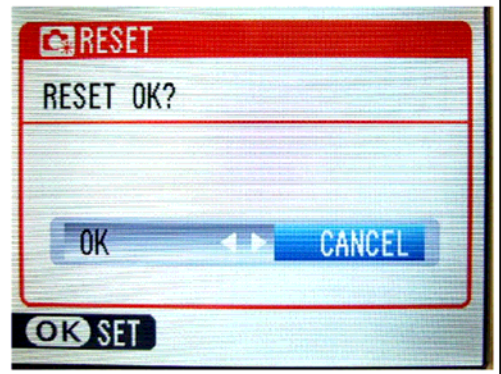


3. Adjustments

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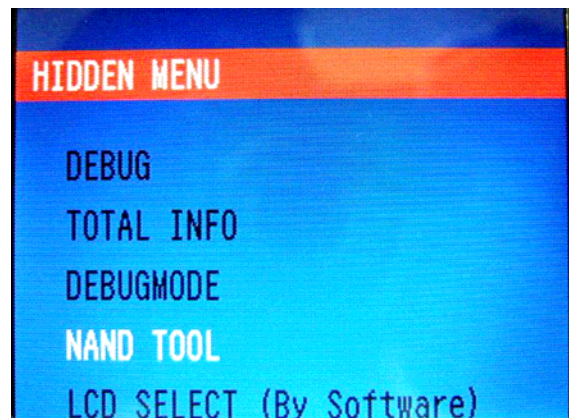
<Step 6>

The "RESET OK?" screen is displayed. Press the T button and the left arrow key at the same time.



<Step 7>

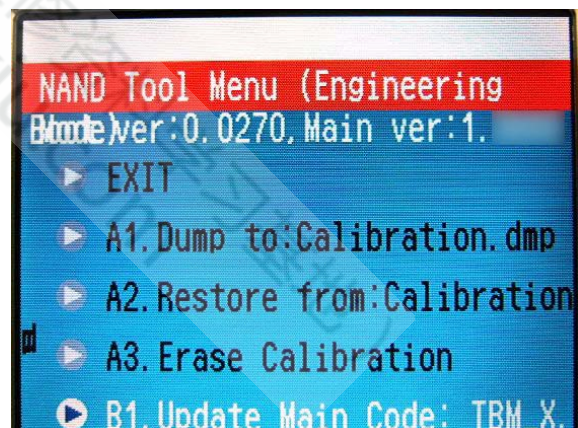
Select "NAND TOOL" and press the MENU/OK button.



<Step 8>

Select "B1.Update Main Code: TBM_X." and press the MENU/OK button.

--> Firmware upgrade starts.

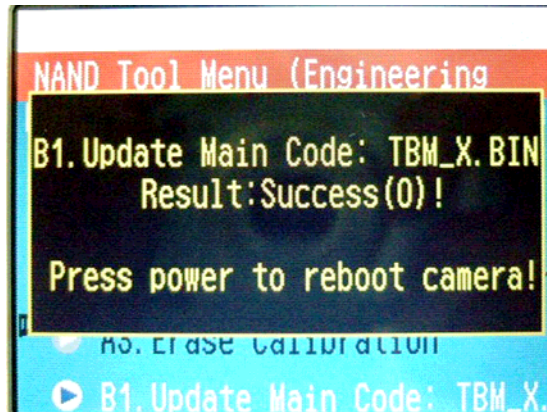


3. Adjustments

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<Step 9>

If the "Result: Success(0) !" screen appears, turn the camera off.



<Step10>

Repeat from <Step 3> to <Step 6>, and select "FIRMWARE VERSION".

—> The version information is displayed.



3. Adjustments

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3-8. Module Select

[Note]

- Do not turn the camera off until the Module Select is completed.

<Settings for Module Select >

It's same as 3-7 Firmware Download.

<Step1>

Set the camera's power switch to "ON"

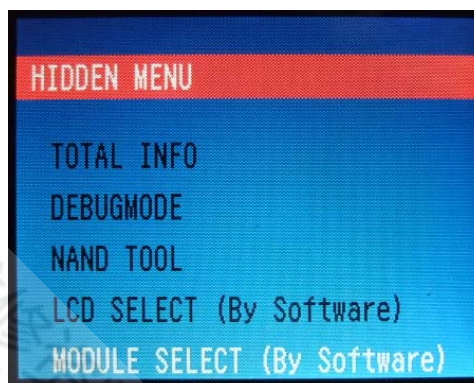
[Note] The SD card used by "3-7 Firmware Download " isn't removed and it's put into effect.

<Step2>

"3-7 Firmware Download " It's same as <STEP 4> empty <STEP 6>.

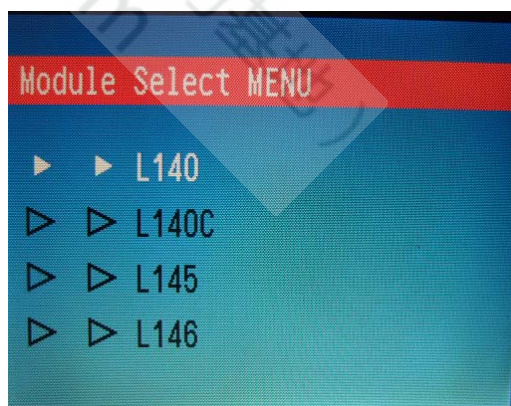
<Step 3>

Select "MODULE SELECT" and press the MENU/OK button.



<Step 4>

Following table is seen, MODULE is chosen and MENU/OK button is pushed.



MODULE SELECT	Model name
L140	FinePix S1800/S1850/S1880/S1900
L140C	FinePix S1600/S1700/S1730/S1770
L145	FinePix S2500HD/S2600HD/S2700HD
L146	FinePix S2550HD

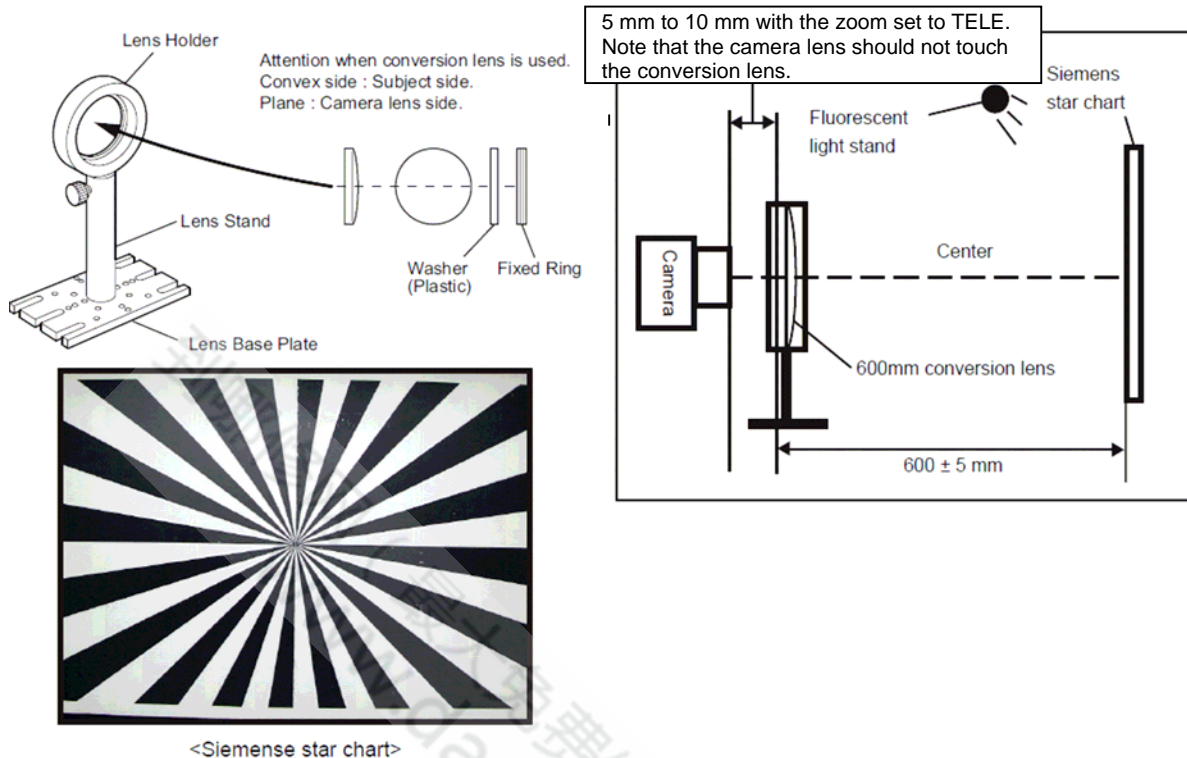
3. Adjustments

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3-9. EFA Adjustment

<Settings for EFA Adjustment>

- (1) Set up the Siemens star chart and conversion lens so that they are 600 ± 5 mm apart.
- (2) Position the chart so that the brightness of the chart surface is between 1000 ~ 200 LUX.



<Step 1>

Copy the "Batch" folder of the "EFA" folder, which is stored in the FxS1700_W folder, directly under SD card.

* When a "Batch" folder already exists directly under SD card, delete this folder before copying.

Insert the adjustment SD card and the DC COUPLER CP-04 into the camera, and turn power ON.

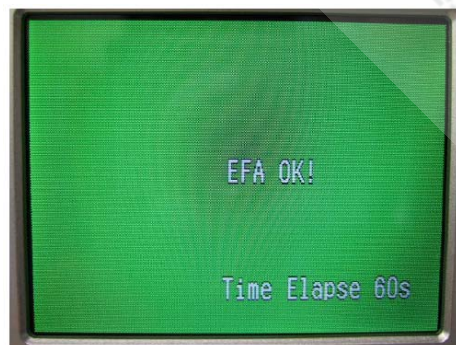
--> Adjustment software activates.

[Note] • Use a fully charged battery.

• Cancel when the date setting screen appears.

<Step 2>

If the "EFA OK!" screen appears, turn the camera off.



--> EFA Adjustment ends.

3. Adjustments

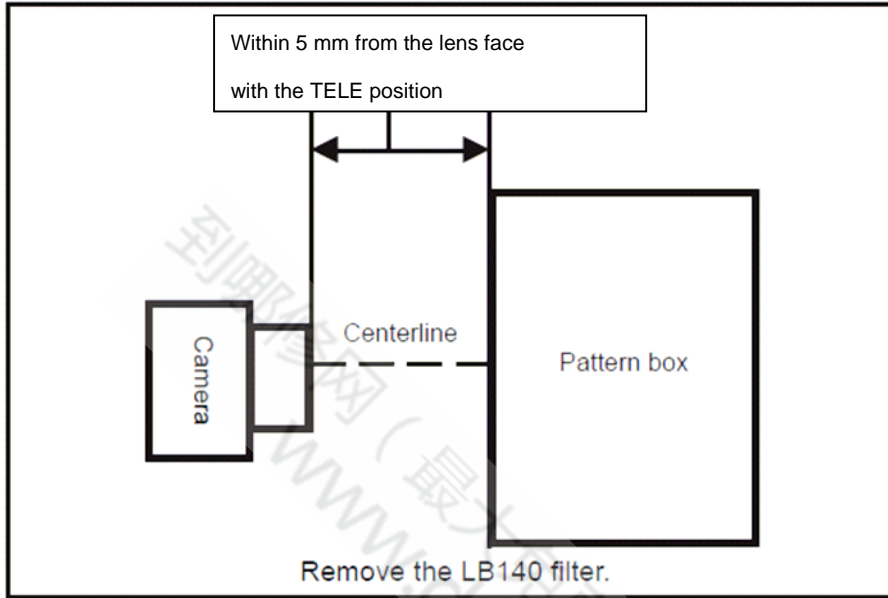
Confidential: FUJIFILM Service Center Use Only

3-10. Shutter Delay Adjustment

[Note]

- Darken the surroundings during calibration (a darkroom environment is ideal).
- Calibrate the pattern box before the adjustment.
- Any soiling on the pattern box dispersion plate or reflective plate will result in unevenness in the lighting and cause errors during adjustment. Take care to carry out periodic pattern box cleaning and testing.

<Settings for Shutter Delay Adjustment>



<Step 1>

Copy the "Batch" folder of the "Shutter Delay" folder, which is stored in the FxS1700_W folder, directly under SD card.

* When a "Batch" folder already exists directly under SD card, delete this folder before copying.

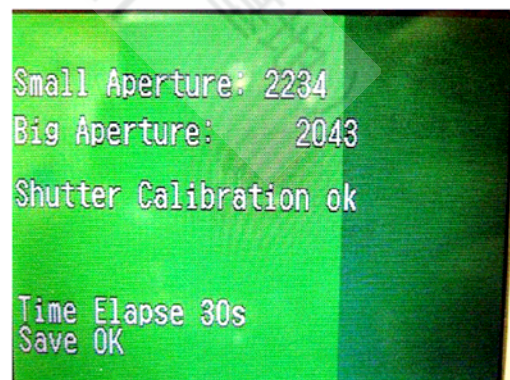
Insert the adjustment SD card and Connect the DC COUPLER CP-04 to the camera.and turn power ON.

--> Adjustment software activates.

[Note] Cancel when the date setting screen appears.

<Step 2>

If the "Shutter Calibration ok" screen appears, turn the camera off.



→ Shutter Delay Adjustment ends.

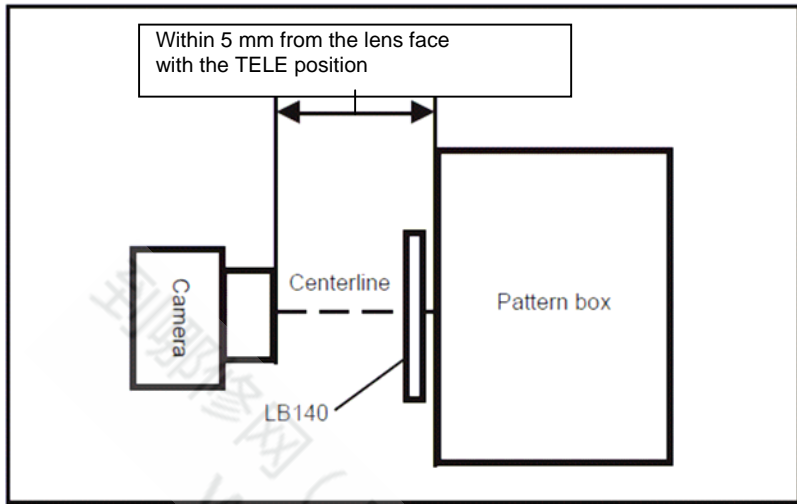
3. Adjustments

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3-11. ISO_DBP_Shading Adjustment

[Note]

- Perform Shutter Delay Adjustment before performing this step.
<Settings for ISO_DBP_Shading Adjustment>



<Step 1>

Copy the following items directly under SD card; the files, "Big_Lamp_L145.fig", "Small_Lamp_L145_1.fig", "ISO_Flash_L145.txt" and "ISO_Result_L145.txt", "ISO_Report_L145.txt", "Note.txt" and the "Batch" folder, all of which are stored in the "ISO_DBP_Shading" folder inside the FxS1700_W folder.

* When a "Batch" folder already exists directly under SD card, delete this folder before copying.

Insert the adjustment SD card and the DC COUPLER CP-04 into the camera, and turn power ON.

--> Adjustment software activates.

[Note] • Cancel when the date setting screen appears.

<Step 2>

Select "Factory Small Lamp" and press the OK button.

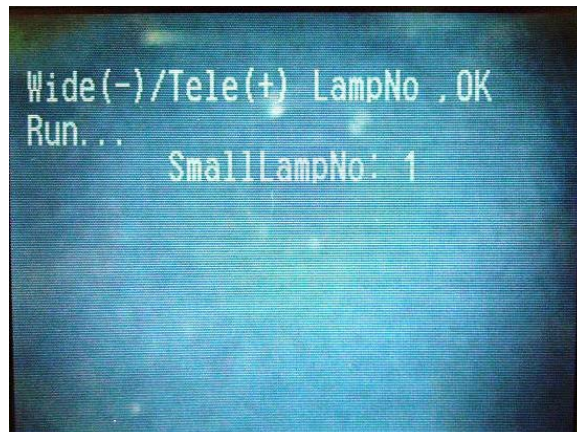


3. Adjustments

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<Step 3>

Select " SmallLampNo:1 " and press the OK button.



The message "Shading Verify OK!!" will be displayed approximately 4 minutes later. When screen returns to ISO Big/Small/Factory Mode, turn power OFF.



➔ ISO_DBP_Shading Adjustment ends.

3. Adjustments

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3-12. RunIn_WBP Adjustment

[Note]

- Darken the surroundings during calibration (a darkroom environment is ideal).
Alternatively, prepare a box that is painted black on the inside and perform the adjustments with the camera enclosed in the box.

<Step 1>

Copy the "Batch" folder of the "RunIn_WBP" folder, which is stored in the FinePixS1700 folder, directly under SD card.

* When a "Batch" folder already exists directly under SD card, delete this folder before copying.

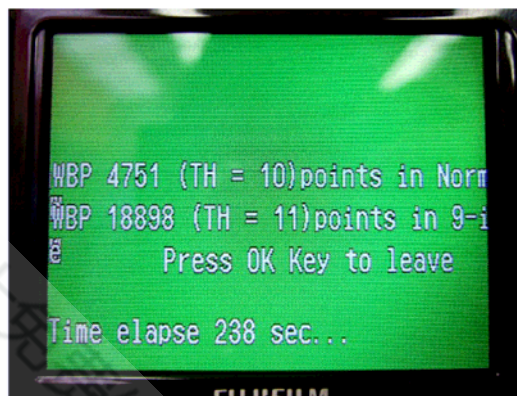
Insert the adjustment SD card and the DC COUPLER CP-04 into the camera, and turn power ON.

--> Adjustment software activates.

[Note]• Cancel when the date setting screen appears.

<Step 2>

When the "Press OK Key to leave" screen is displayed, press the OK button and then turn power OFF.



→ RunIn_WBP Adjustment ends.

3. Adjustments

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3-13 OIS DATA Download

<STEP1>

Copy the "Batch" folder and "OISFW.srt" of the "OIS_FW" folder, which is stored in the FxS1700_W folder, directly under SD card.

* When a "Batch" folder already exists directly under SD card, delete this folder before copying.
Insert the adjustment SD card and the DC COUPLER CP-04 into the camera, and turn power ON.

--> Adjustment software activates.

[Note]• Cancel when the date setting screen appears.

<STEP2>

If the "DL OKOKOKOK ^_^" screen appears, turn the camera off.

SD card is removed.



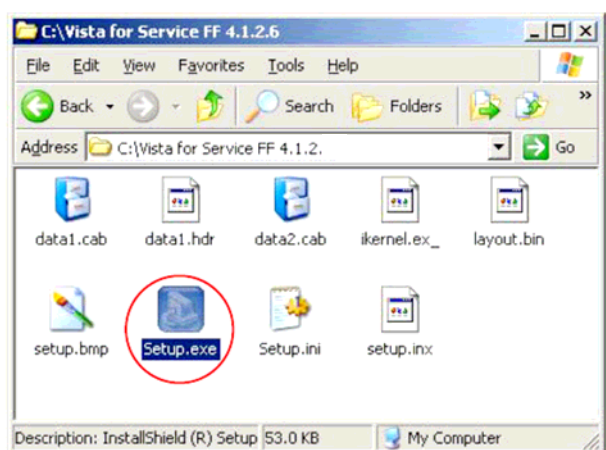
--> OIS Data download end.

3. Adjustments

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<Step 4>

Double-click [Setup.exe], which is stored in the "Vista for Service FF 4.1.2.7" folder.



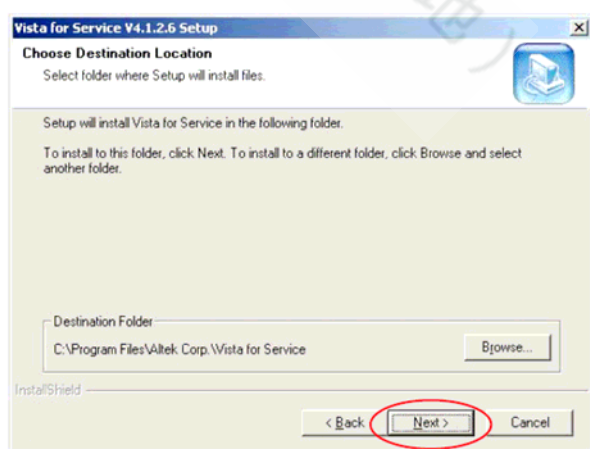
<Step 5>

When the window shown below appears, click the "Next" button.



<Step 6>

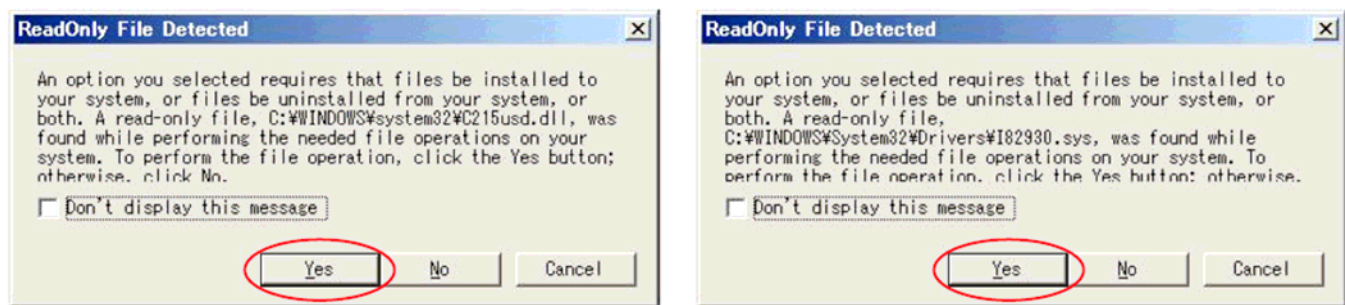
When the window shown below appears, click the "Next" button.



3. Adjustments

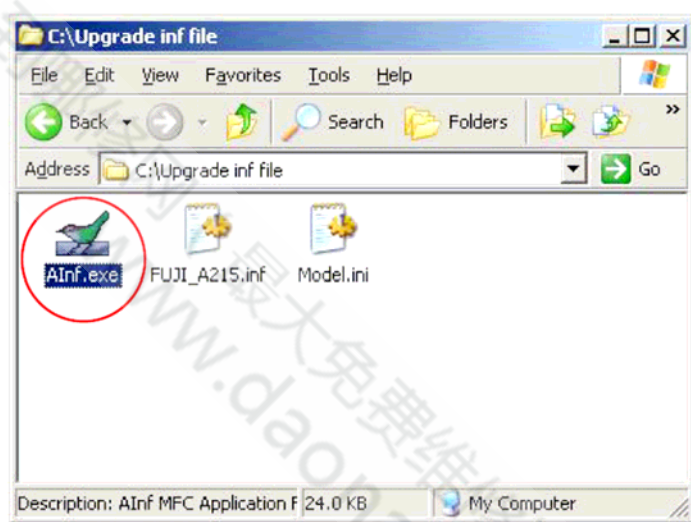
Confidential: FUJIFILM Service Center Use Only

[Note] Click the "Yes" button when the following image is displayed.



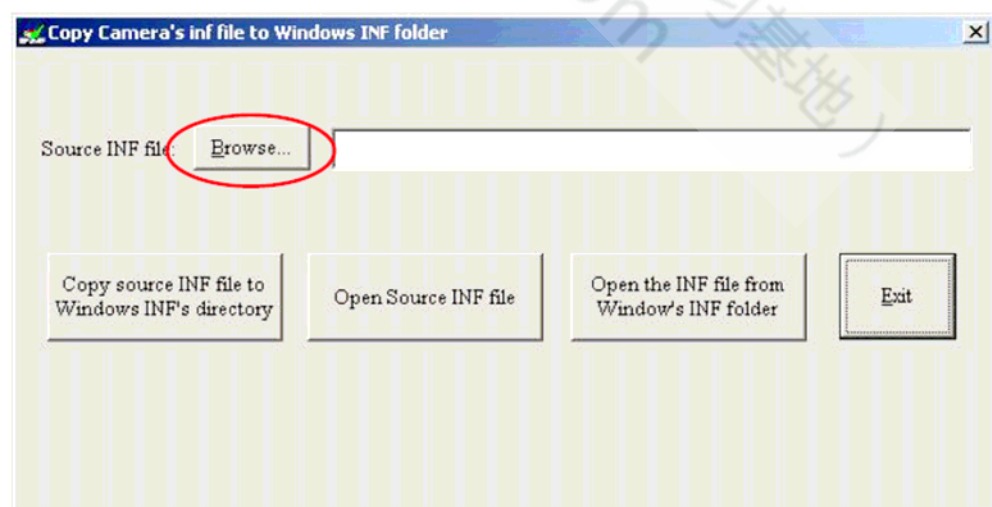
<Step 7>

Double-click [AInf.exe], which is stored in the "Upgrade inf file" folder.



<Step 8>

When the window shown below appears, click the "Browse" button.

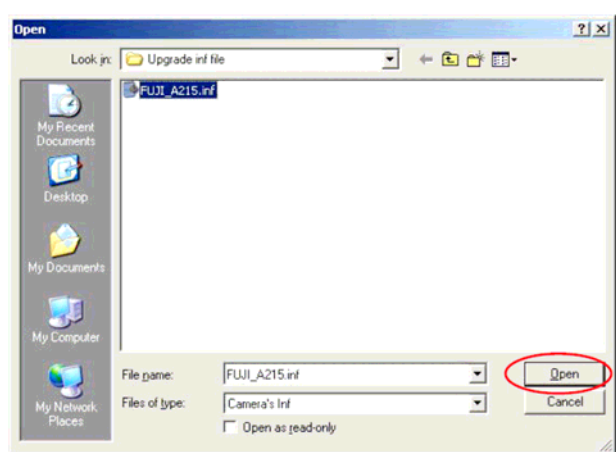


3. Adjustments

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<Step 9>

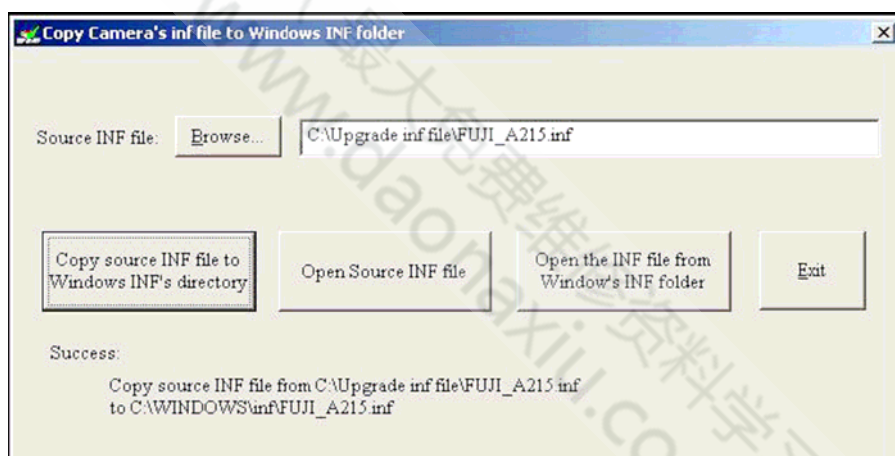
The following image is displayed. Select "FUJI_A215.inf" and click the "Open" button.



<Step 10>

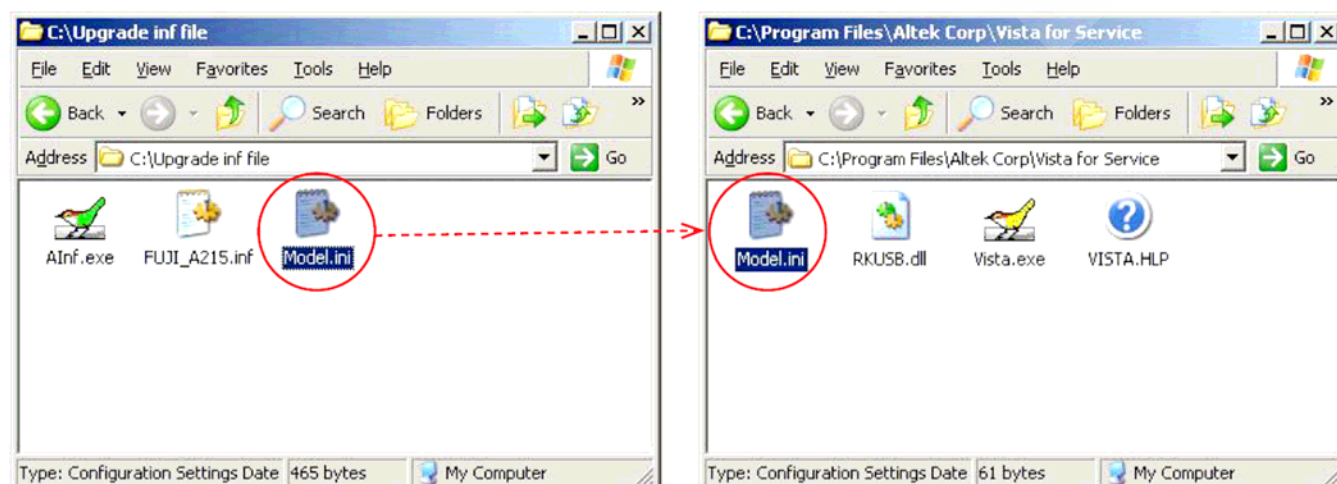
The following image is displayed. Click the "Copy source INF file to Windows INF's directory" button.

When the "Success" screen is displayed, click "Exit".



<Step 11>

Overwrite the copy of [Model.ini] in "C:\Program Files\Altek Corp\Vista for Service" with [Model.ini] stored in the "Upgrade inf" folder.



3. Adjustments

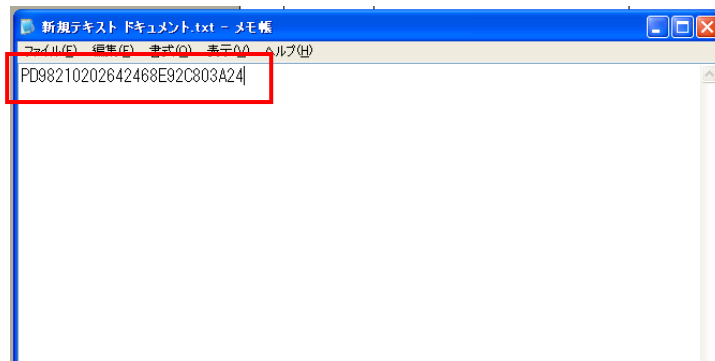
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3-15 LENS DATA Read

Perform this step before assembling the camera (with the lens unit removed).

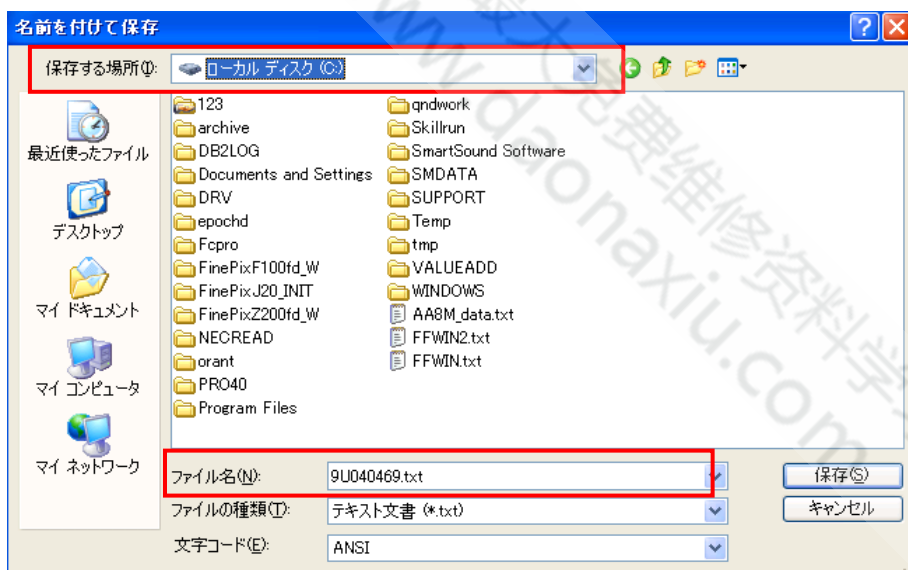
<STEP1>

- (1) Connect the QR code reader to the USB port on the PC.
- (2) Make a txt file and make the save file of the qr cord
- (3) Scan the QR code with the QR code reader



<STEP2>

Copy QR cord data in a txt file and save it by the serial number name of the camera



*Use LENS DATA which I stored for "LENS DATA_Writing"

3. Adjustments

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3-16. USB_ID/LENS DATA Writing

3-16-1 USB_ID Writing

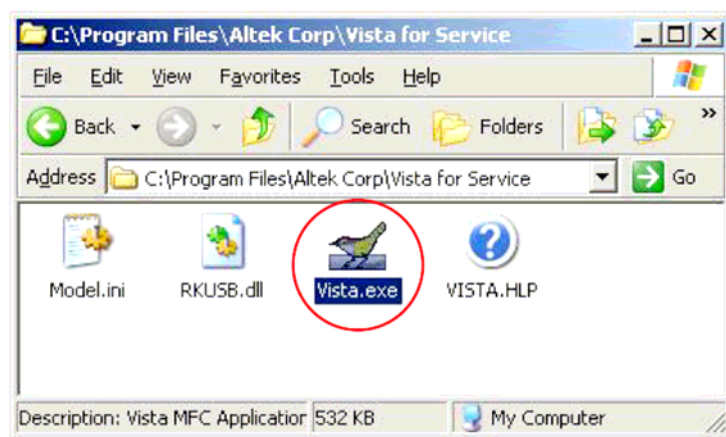
<Step 1>

Connect the DC COUPLER CP-04 and USB cable to the camera, and turn the power switch ON while pressing the T button and the right arrow key.

[Note] An indication picture of LCD becomes blue.

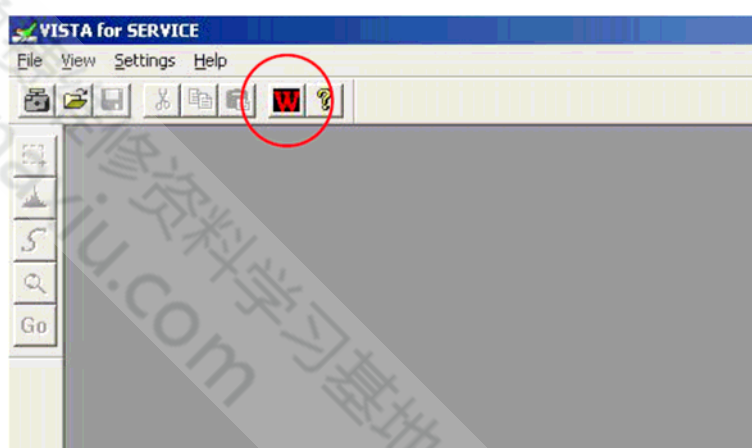
<Step 2>

Double-click [Vista.exe] in C: ¥Program Files¥Altek Corp¥Vista for Service for Service.



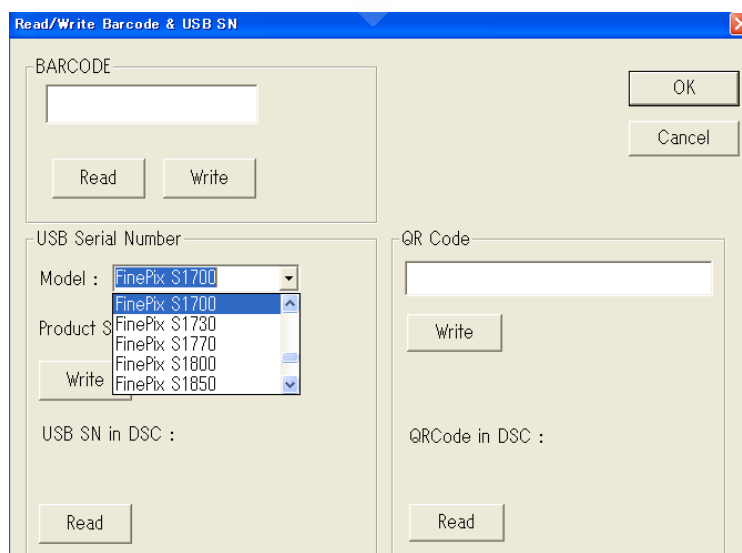
<Step 3>

When the screen shown on the right appears, click the "Write" button.



<Step 4>

The image on the right is displayed. Select camera model.

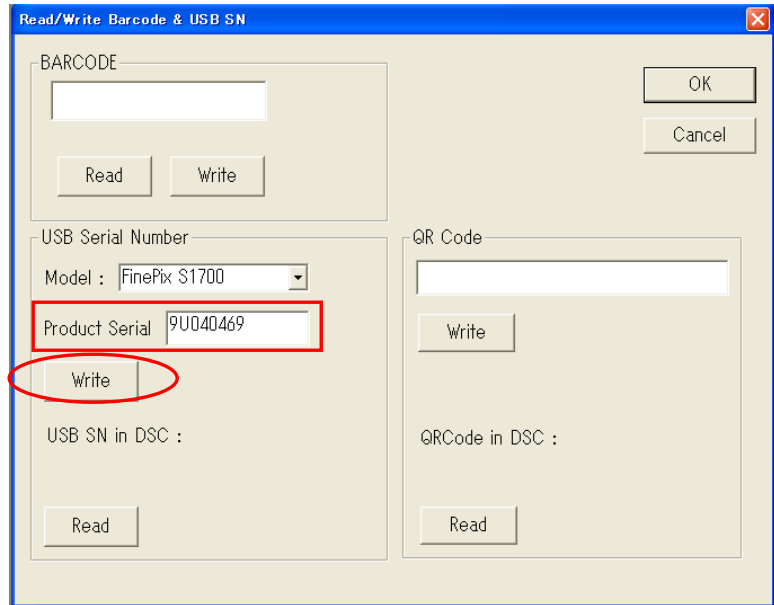


3. Adjustments

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<Step 5>

Input the camera's serial number for Product Serial, and click the "Write" button.



<Step 6>

Click the "OK" button.



<Step 7>

Turn the camera off.

➔ USB_ID Writing ends.

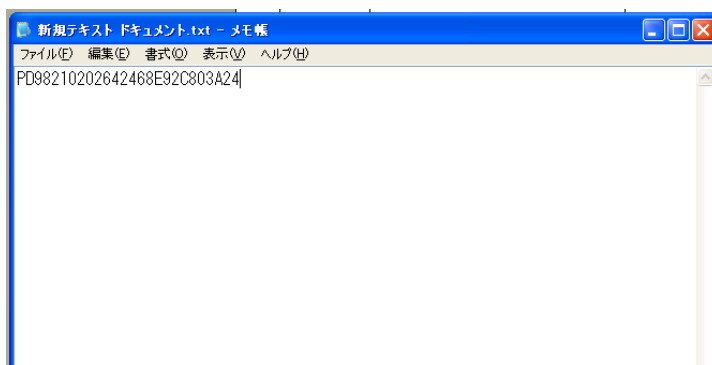
3. Adjustments

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3-16-2 LENS DATA_Writing

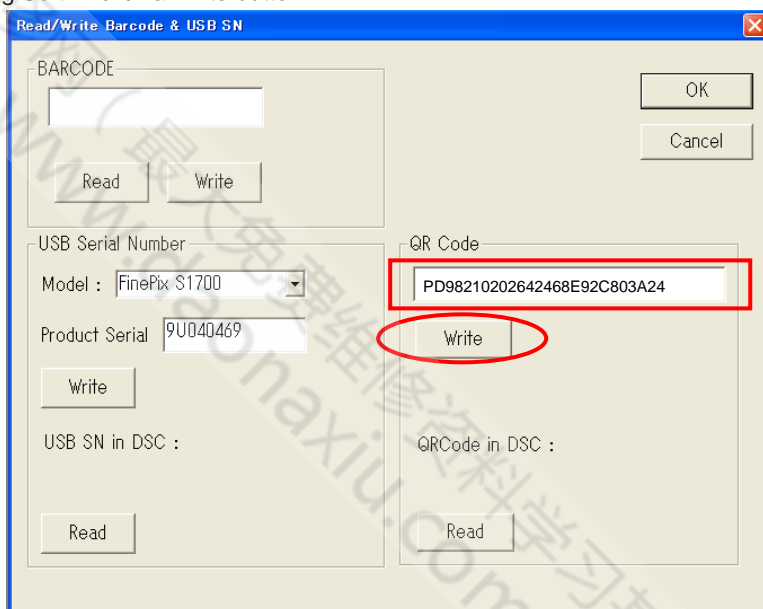
<STEP1>

Choose the thing that a txt file name accords with a cereal of the repair object product and open LENS DATA which I stored to a PC beforehand



<STEP2>

Copy LENS DATA in the Txt file and stick it on "USB ID/LENS DATA Writing Soft". I click a Write button.



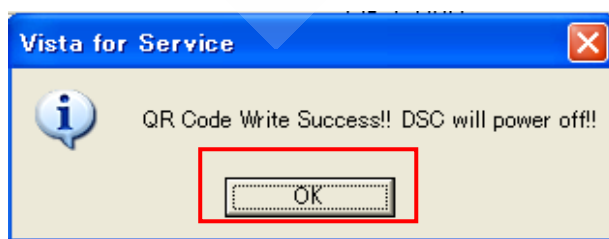
<STEP3>

If chart below indication is given to LCD and the PC, I click the OK button. The power supply of the camera is automatic and becomes OFF.

LCD



PC



➔ USB_ID Writing ends.

3. Adjustments

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3-17. OIS Calibration

3-17-1. OIS Test

<STEP1>

Copy the "Batch" folder of the " OIS_Test " folder, which is stored in the FxS1700_W folder, directly under SD card.

* When a "Batch" folder already exists directly under SD card, delete this folder before copying.

Insert the adjustment SD card and the DC COUPLER CP-04 into the camera, and turn power ON.

--> Adjustment software activates.

Condition: Put the camera on a stable table or ground.

(Don't touch or shake the camera or table when testing.)

<STEP2>

Put the camera on the desk, and power on the camera.

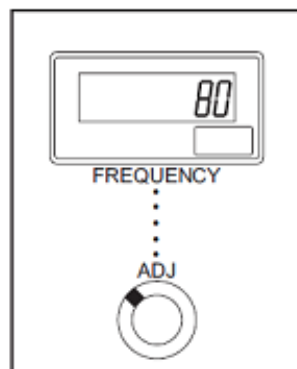
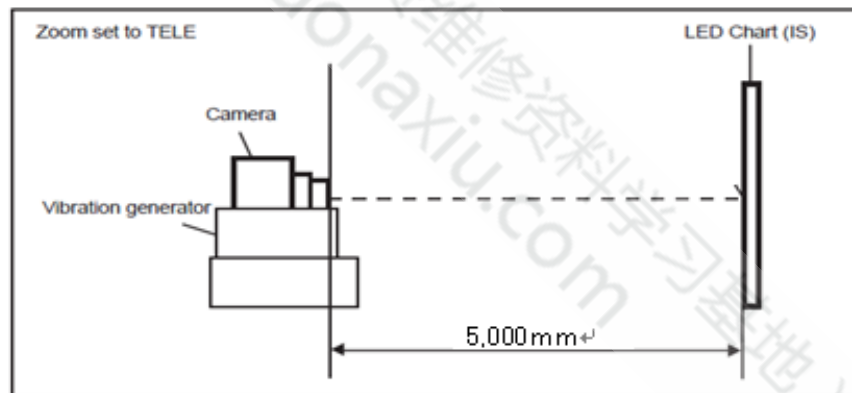
(When testing, don't touch the camera or desk.)

Camera will do "Hall Bias / Hall Gain", "Gyro Bias" and "Abnormal Oscillation" calibration automatically.

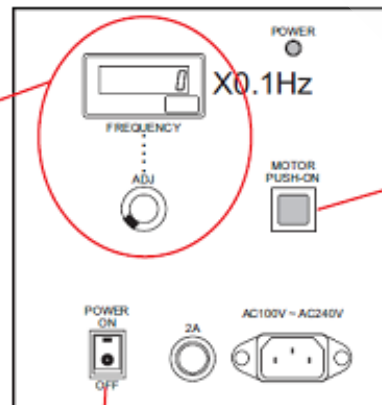
When LCD displays "Test ok", the OIS calibration was done. Press "POWER" button to de-energize the CAMERA.



<Settings for OIS Calibration >



After pressing the MOTOR SWITCH, turn the FREQUENCY ADJ knob until the FREQUENCY shown above is "80". The display shows "80", but the actual oscillation frequency is set to 8 Hz.



MOTOR SWITCH
(press to vibrate)

POWER SWITCH

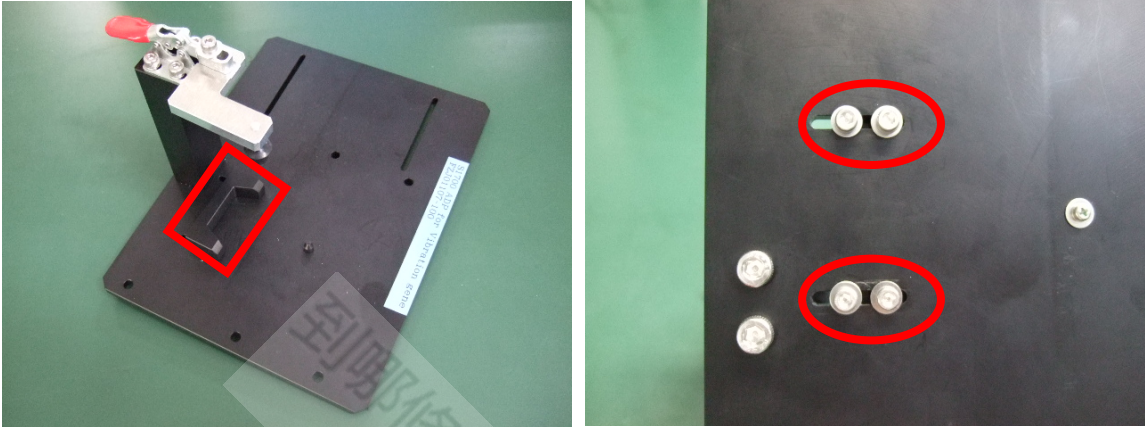
3. Adjustments

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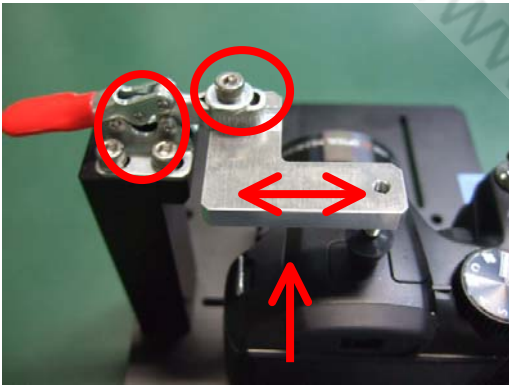
S1700 ADP for Vibration generator adapter usage

To Remove:

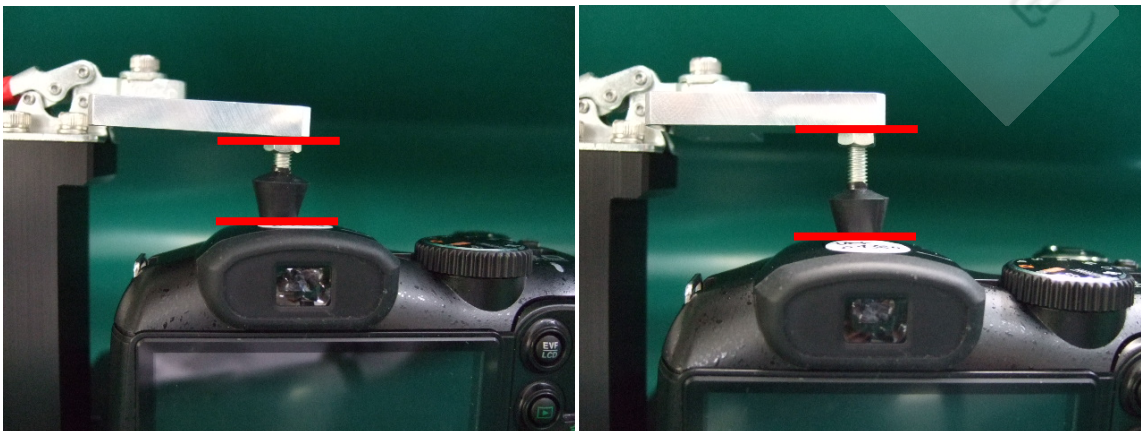
[1] Remove the screws of the stopper back side *4



[2] Unscrew the clamp and adjust it so that a stopper comes to the center of EVF.



[3] Set a camera and turn a screw to the position where a clamp is fixed



Before

After

3. Adjustments

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Calibration Software installation

Various downloading software decompressions, preservation methods, and notes

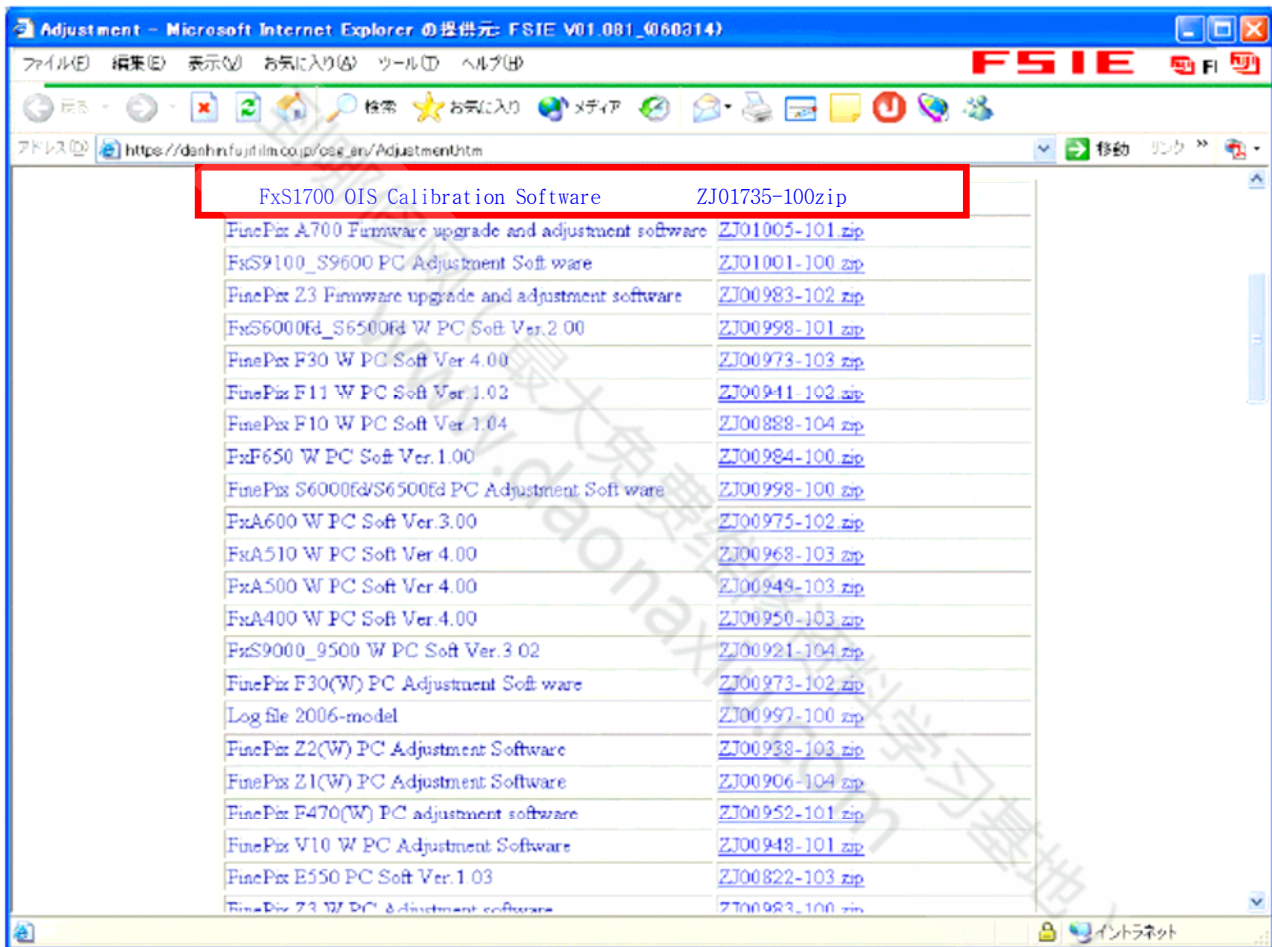
The PC adjustment softwares are in a specified Web server,
and both of these are the compression of ZIP form files.

Therefore, after downloading these compression files from
the Web server, the decompression of the file is necessary.
In the decompression software, if the decompression of the
ZIP form can be done, any software is OK.

(Please prepare each one for the decompression software.)

The decompression and the preservation method of the PC
adjustment software and the firmware are described to the following.

The PC adjustment soft decompression and preservation method



<Screen>

<Step1>

The adjustment software is downloaded from WEB, and software is installed in the PC.

We have uploaded the “**OIS Calibration Software(ZJ01735-100.zip)**” for “**FxS1700**” on our website:
(https://denhin.fujifilm.co.jp/csg_en/index.htm).

3. Adjustments

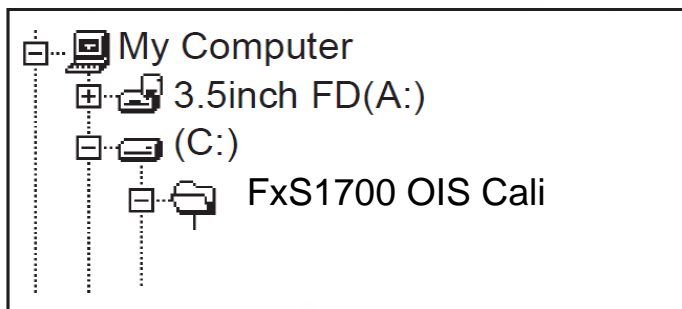
Confidential: FUJIFILM Service Center Use Only

3-17-2. Gyro calibration

“ZJ01735-100” is a compression of “ZIP type” file.

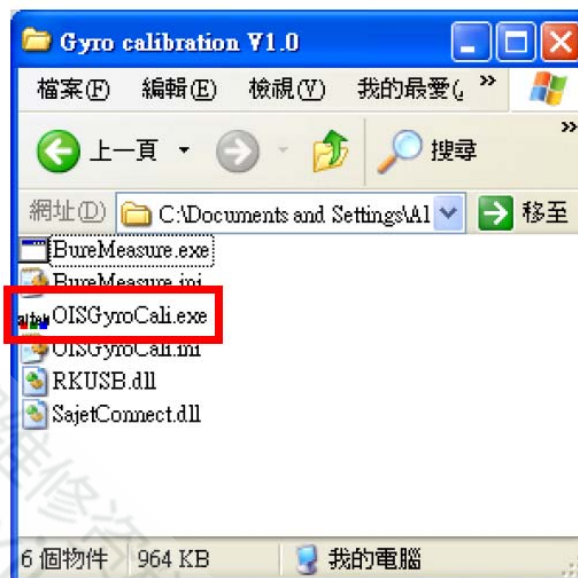
The “Fxs1700 OIS Calibraion Software” folder can be done by extracting it by “Compression software”.

Copy the “Fxs1700 OIS Calibraion Software” folder to the “C” drive on the Adjustment PC.



<STEP1>

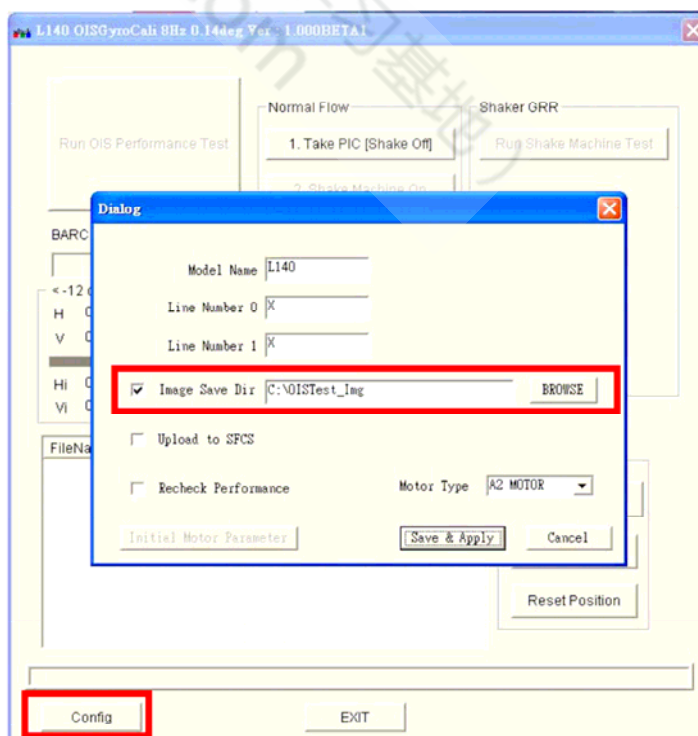
Execute the software of OISGyroCali.exe



<STEP2>

Press “Config” button to set Image Save Direction.

(You can double-check the images which generated by calibration.)



3. Adjustments

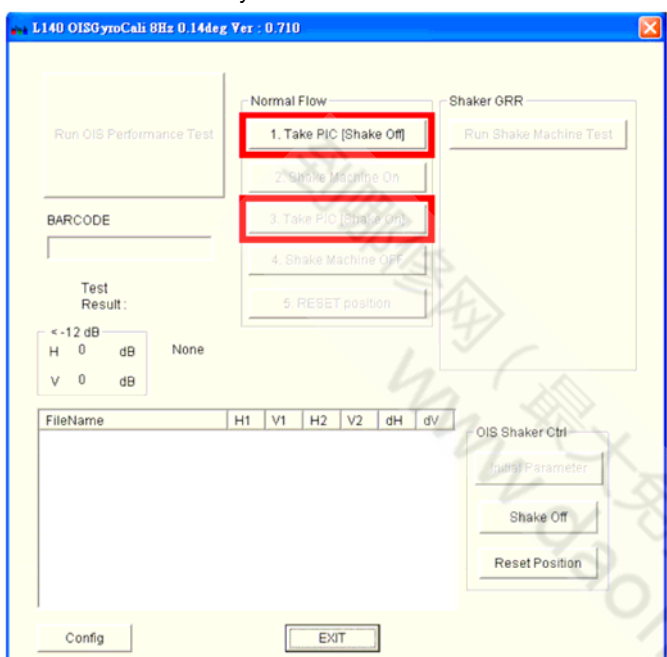
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<STEP3>

Set a camera at Vibration generator
Connect the camera to PC via USB cable. (LCD shows blue screen)
Press "Tele" + "Power" button to power on the camera to enter Vista mode.

<STEP 4>

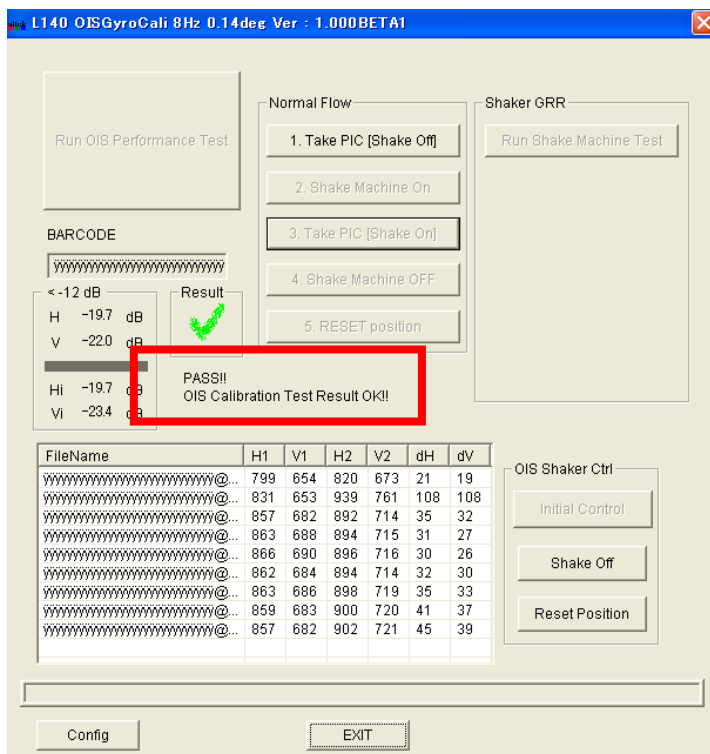
Press item1, and camera will take a picture automatically.
When the button of item3 is enabled, power on the Vibrator and press item3 to execute the calibration. PC will control the camera to do the calibration automatically.



*When the environment is light, please use " ND Filter".

★ <STEP 5>

On the software of a PC, "OIS Calibration Test OK!!", and, if indication goes out, I turn off a camera.



3. Adjustments

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3-18. Destination Setting

[Note]

- Do not turn the camera off until the Destination Setting is completed.

<Step 1>

Look at the 3rd digit from the left in the camera's serial number , and then copy the "Batch" folder of the corresponding "Reset_*" folder, directly under SD card.

Folder	Destination	3rd digit in serial no.
Reset_JP	JP-model	0 to 8
Reset_US	US-model	A to H,J,K
Reset_E	EF/E1/EG/EE-model	L to N,P to V
Reset_CH	CH-model	W to Z

* When a "Batch" folder already exists directly under SD card, delete this folder before copying.

Insert the DC COUPLER CP-04 and the adjustment SD card into the camera, and turn power ON.

--> Adjustment software activates.

[Note] Cancel when the date setting screen appears.

<Step 2>

The adjustment starts by the automatic operation, and the power supply cuts.

--> Destination Setting ends.

4. Inspection

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■ 4. Inspection

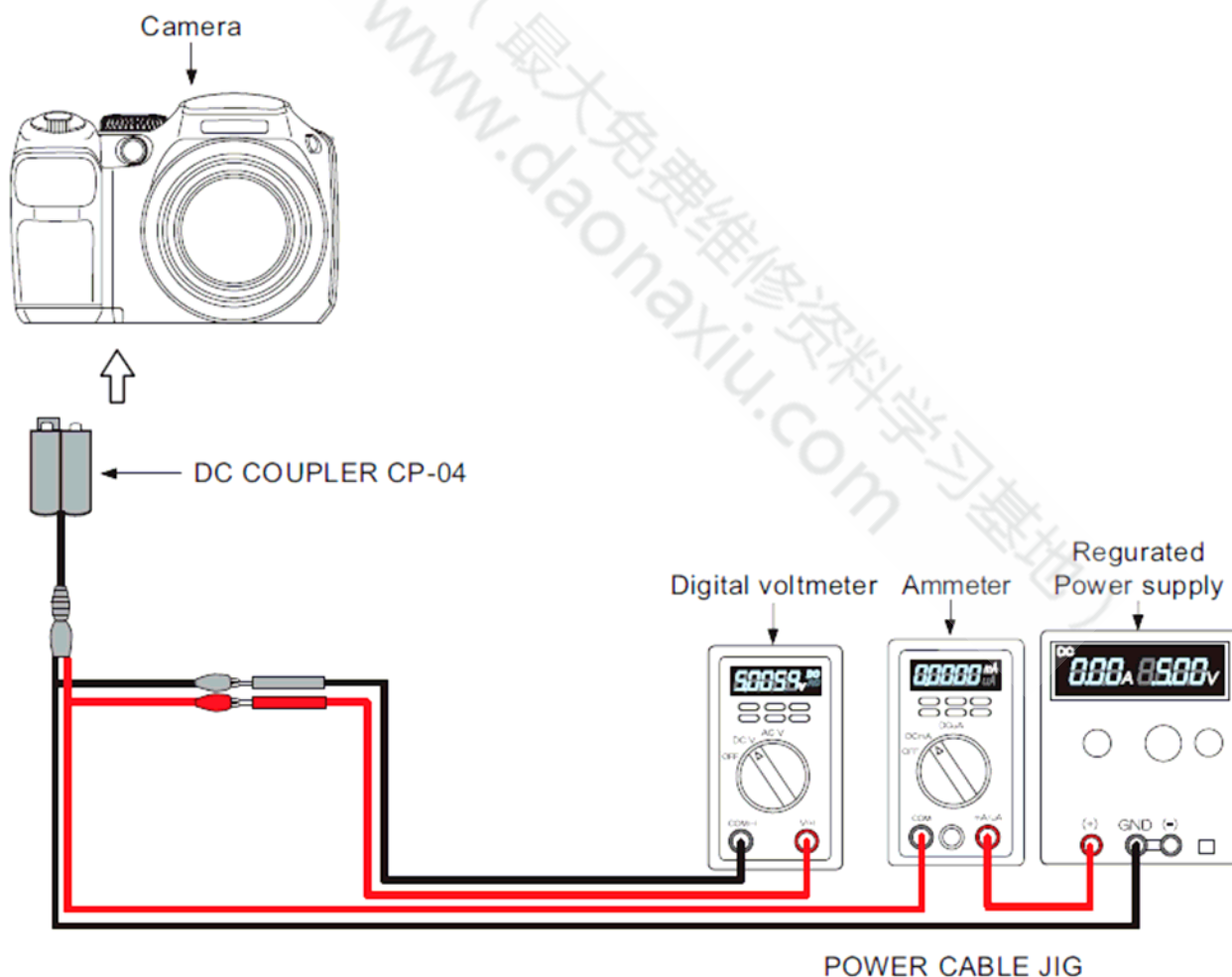
4-1. Required Measuring Equipment

Parts number	Measuring equipment	Remarks
	Power supply	AC adapter (AC-5V), Regulated power supply
	Digital voltmeter	For general use
	Ammeter	For general use (able to measure 1mA or less)
	TV Monitor	TV monitor, minimum resolution 600 lines
	PC	Windows XP
	USB Cable	This is bundled to the product
	AV Cable	This is bundled to the product
CR0130900U9	DC COUPLER CP-04	Common with adjustment JIG
ZJ00580-100	POWER CABLE JIG	Common with adjustment JIG
ZJ00525-100	Macro Chart	Resolution confirmation
ZJ00885-100	LCD Inspection Data	For LCD inspection (downloaded from WEB.)
ZJ01021-100	Face Detection Test Chart	Checking face detection operation
ZPU0512-100	SD CARD ULTRA2 1GB	To check SD card recording

4-2. Connection of Measuring Equipment

Use DC COUPLER CP-04 and POWER CABLE JIG.

The output current of the Regulated power supply must not become 2.5A or more.



■ Revised:05, Jan. 2010

4. Inspection

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4-3. Inspection and Factory Settings

Seq.	Item	Mode	Preparations for adjustment (measurement points, subject, other)	Method of adjustment (VRs, waveforms, required values)	Measuring equip. and jigs
1	External visual check		(1) Observe the camera.	(1) Check for damage to the outer casing. (2) Check for problems with the clicking or sliding movement of switches. (3) Check for dust or fogging in the LCD.	
2	Power switch check	Auto mode	(1) Plug the DC COUPLER into the camera and connect the AC-5V. (2) Insert a SD card and close the card cover. (3) Turn the camera on. (4) If a message prompting the user to set the date appears, press the button specified on the right. (5) Check the LCD screen display status. (6) Check for blemishes in the CCD live image.	(2) SD card for recording checking. (3) Check that the camera beeps. (4) <DISP/BACK> (5) Check that the live image and text is displayed. (6) Monitor a very bright subject and check that the live image does not dim or darken.	CR0130900U9
3	Zoom operation check	Auto mode	(1) Zoom drive noise. (2) LCD screen. (3) Zoom operation (T <-> W).	(1) Check that there is no abnormal noise. (2) Check that there is no edge blurring Check that the screen display accurately tracks zooming. (3) Check that the zoom moves smoothly.	
4	Shock noise check in Auto mode	Auto mode	(1) Apply a shock to the camera using the shock jig.	(1) Check for problems on the LCD monitor. (2) Check that the camera recovers from synchronicity disruption. (Note) Do not apply shocks directly to the lens or card cover.	
5	Resolution check Focusing check	Auto mode	(1) Use a macro resolution chart as the subject. (2) Set the camera to Macro mode. (3) Set the flash mode to Flash OFF. (4) Set-up the camera so the chart center of the screen.(Distance:10cm) (5) Press the shutter button to take a picture.	(2) Press the 4-way button (left) and check that the Macro icon (tulip) appears on the LCD monitor. (3) Press the 4-way button (right) and check that the Suppressed Flash icon appears on the LCD monitor. (5) The indicator lamp lights green -> Intermittently lights red(recording) -> Turns off.	ZJ00525-100
6	Checking face detection operation	Auto mode	(1) Set Face Detection to "ON". (2) Set up the camera facing the face detection chart at a distance of 30 to 40 cm. (3) Press the S1 button.	(2) Check that the Face Detection icon is displayed on the LCD. (3) Check that the focusing target is aligned with a face that has the Face Detection icon.	ZJ01021-100

4. Inspection

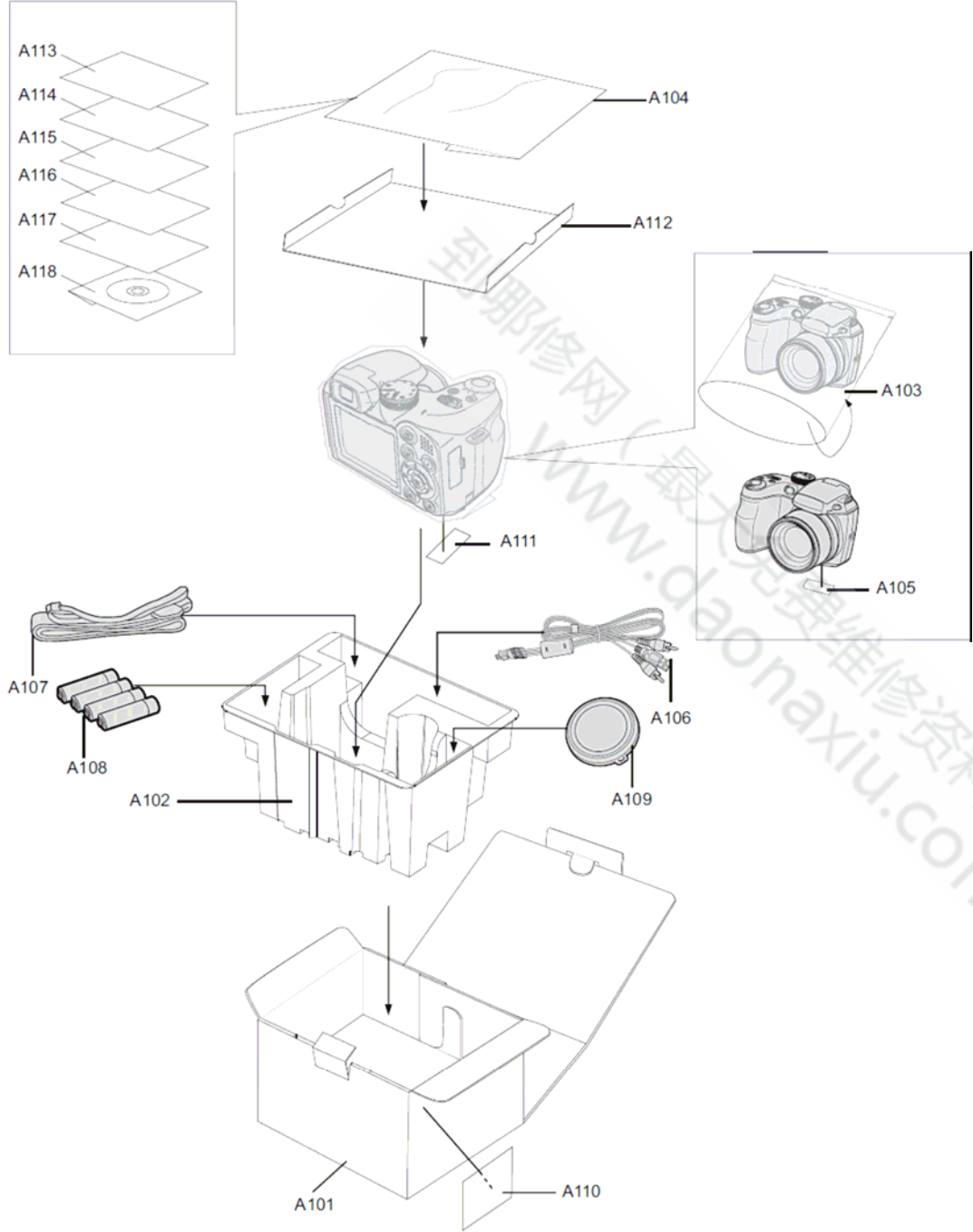
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Seq.	Item	Mode	Preparations for adjustment (measurement points, subject, other)	Method of adjustment (VRs, waveforms, required values)	Measuring equip. and jigs
7	Flash operation check	Auto mode	<p>(1) Set the flash mode to Forced Flash.</p> <p>(2) Focus on any subject and press the shutter button to take a picture.</p>	<p>(1) Press the 4-way button (right) and check that the Forced Flash icon appears on the LCD monitor.</p> <p>(2) The flash emits light. The indicator lamp lights green -> Intermittently lights red(recording) -> Turns off.</p>	ZPU0512-100
8	Movie/audio recording check	Movie mode	<p>(1) Set the camera to Movie mode.</p> <p>(2) Press S1 -> S2 and then release S2 -> S1.</p> <p>(3) After 5 seconds, press and then release S1.</p>	<p>(1) Check that "STANDBY" appears on the LCD monitor.</p> <p>(2) Check that movie/audio recording begins. Check that "REC" appears on the LCD monitor.</p> <p>(3) Check that movie/audio recording ends and that the data is recorded on the card.</p>	
9	Movie/audio playback check	Playback	<p>(1) Set the camera to Playback mode.</p> <p>(2) Press the 4-way button (down) to play back the movie.</p>	<p>(2) Check that the movie is played back on the LCD monitor. Check that the sound is played back through the speaker.</p>	
10	Playback check	Playback	<p>(1) Plug the AV cable into the camera.</p> <p>(2) Check images shot at macro resolutions (manual photography).</p> <p>(3) Turn the camera off. The AV cable is pulled out from the camera.</p>	<p>(1) The LCD image disappears and the indicator lamp lights green.</p> <p>(2) Where the horizontal resolution is as follows: 350 TV lines or better at the center and 300 TV lines or better at the periphery (NTSC). 300 TV lines or better at the center and 250 TV lines or better at the periphery (PAL).</p>	AV cable TV monitor
11	Playback mode check	Playback	<p>(1) Start up in playback mode.</p> <p>(2) If a message prompting the user to set the date appears, press the button specified on the right.</p> <p>(3) Check the playback image.</p>	<p>(1) Press the <Playback> button.</p> <p>(2) <DISP/BACK></p> <p>(3) Check that the last image shot appears, regardless of whether it is automatic or manual. Check that the date is displayed in the YYYY.MM.DD format.</p>	
12	PC connection checking	Auto mode	<p>(1) Connect the camera to the PC with the USB cable.</p> <p>(2) Copy the image files in the camera to a folder on the PC.</p> <p>(3) Disconnect the USB cable from the camera.</p>	<p>(1) Check that the PC recognizes the camera over a PTP connection.</p> <p>(2) Check that the image files have been copied to the PC.</p>	USB cable PC
13	Erase mode check	Erase	<p>(1) Select "Erase" -> "Erase all" from the menu and then press the "OK" button.</p> <p>(2) Press the "OK" button again.</p> <p>(3) Turn the camera off. Disconnect the SD card from the camera.</p>	<p>(1) Check that an erase message such as the following appears: Japan: " 全コマ消去 OK?" Overseas: "ERASE ALL OK?" China: " OK?"</p> <p>(2) Check that the recorded images are erased.</p>	

4. Inspection

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Seq.	Item	Mode	Preparations for adjustment (measurement points, subject, other)	Method of adjustment (VRs, waveforms, required values)	Measuring equip. and jigs
14	LCD dust/defect check	Playback	(1) Insert a LCD INSPECTION SD card. (2) Play back a completely black image. (3) Play back a completely white (75%) image.	(2) Check that there are no noticeable dust flecks or stains (bright spots, smears, flashing points, etc.) on the screen.	ZJ00885-100
15	Battery low check	Movie	(1) Plug the DC COUPLER into the camera and connect the POWER CABLE JIG. (2) Set the power supply voltage. (3) Turn the camera on. (4) Set the camera Movie mode. (5) Set the end voltage.	(2) 5.00 V \pm 0.05 V (3) Check that the camera start up normally. (5) 4.33 V \pm 0.10 V Check that the zoom retracts and the camera turns off after the battery low warning (end) appears.	ZJ00580-100 CR0130900U9
16	Current consumption check	Auto mode	(1) Plug the DC COUPLER into the camera and connect the POWER CABLE JIG. (2) Set the power supply voltage. (3) Turn the camera on. (4) Set the Mode to AUTO mode. (5) After the LCD live image appears, check the current consumption. (6) Check that the flash is set to Forced flash mode. (7) Set the flash mode to AUTO.	(2) 5.00 V \pm 0.05 V (5) 500 mA or less (6) Backup check.	ZJ00580-100 CR0130900U9
17	Leakage current	OFF	(1) Plug the DC COUPLER into the camera and connect the POWER CABLE JIG. (2) Set the power supply voltage. (3) Check the standby current when the power is turned off.	(2) 5.00 V (3) 0.5 mA or less	ZJ00580-100 CR0130900U9
18	Shipping inspection		(1) Mode. (2) SETUP frame no. (3) Battery and cards not inserted. (4) Internal memory. (5) Battery cover. (6) Check that the lens retracts and that the lens barrier are closed. (7) Power off.	(1) AUTO mode (2) New: The default SETUP frame No. setting is "Continuous", but to clear the number of frames in the frame number memory to zero, you should always change the setting to "New" before turning the camera off. (3) Normal (4) Check that the internal memory is formatted. *Excluding customers camera. (5) Closed (7) The power supply is stopped after the camera's shutdown sequence ends.	

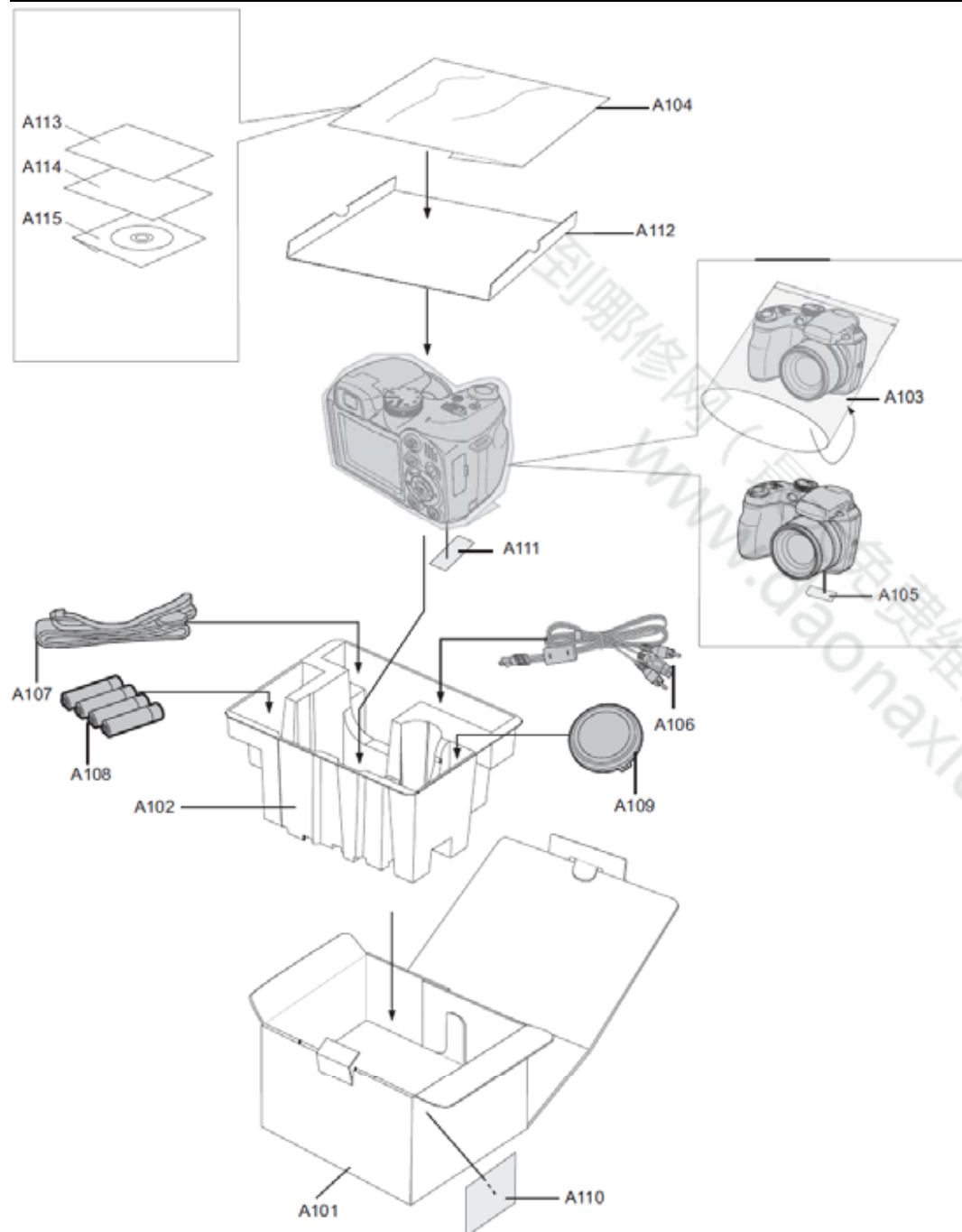


5-1. Packing and Accessories

5-1-1. FinePix S1800 E1-model

Ref NO.	Parts No.	Deserption	Comment
A101	082-0892-001	UNITARY BOX S1800 W	
A102	082-0901-001	TRAY	
A103	083-0075-001	PLASTIC BAG 250X155	
A104	083-0523-001	PLASTIC BAG 150X200	
A105	088-2811-001	PRODUCT LABEL S1800 EU	
A106	056-0198-001	USB CABLE 3 IN	
A107	080-0047-001	STRAP SHOULDER	
A108	054-0027-001	ALKALINE BATTERY	
A109	002-CY52-000	LENS CAP ASSY	
A110	088-2483-001	BAR CODE LABEL EU	
A111	088-2478-001	CERITIFICATION SEAL	
A112	082-0900-001	GIFTBOX PAD	
A113	301-6139-001	WWN PRINT	
A113	301-6151-001	WWN PRINT	
A114	301-2137-001	WARRANTY E	
A115	301-0115-001	BASIC MANUAL FR	
A116	301-0116-001	BASIC MANUAL DE	
A117	301-0118-001	BASIC MANUAL NL	
A118	332-0187-001	L140 MANUAL CD_PART2	

Revised:31, Mar. 2010



5-1. Packing and Accessories

5-1-2. FinePix S1800 EF-model

Ref NO.	Parts No.	Description	Comment
A101	082-0892-001	UNITARY BOX S1800 W	
A102	082-0901-001	TRAY	
A103	083-0075-001	PLASTIC BAG 250X155	
A104	083-0523-001	PLASTIC BAG 150X200	
A105	088-2811-001	PRODUCT LABEL S1800 EU	
A106	056-0198-001	USB CABLE 3 IN	
A107	080-0047-001	STRAP SHOULDER	
A108	054-0027-001	ALKALINE BATTERY	
A109	002-CY52-000	LENS CAP ASSY	
A110	088-2483-001	BAR CODE LABEL EU	
A111	088-2478-001	CERITIFICATION SEAL	
A112	082-0900-001	GIFTBOX PAD	
A113	301-6139-001	WWN PRINT	
A113	301-6151-001	WWN PRINT	
A114	301-2137-001	WARRANTY E	
A115	332-0187-001	L140 MANUAL CD_PART2	

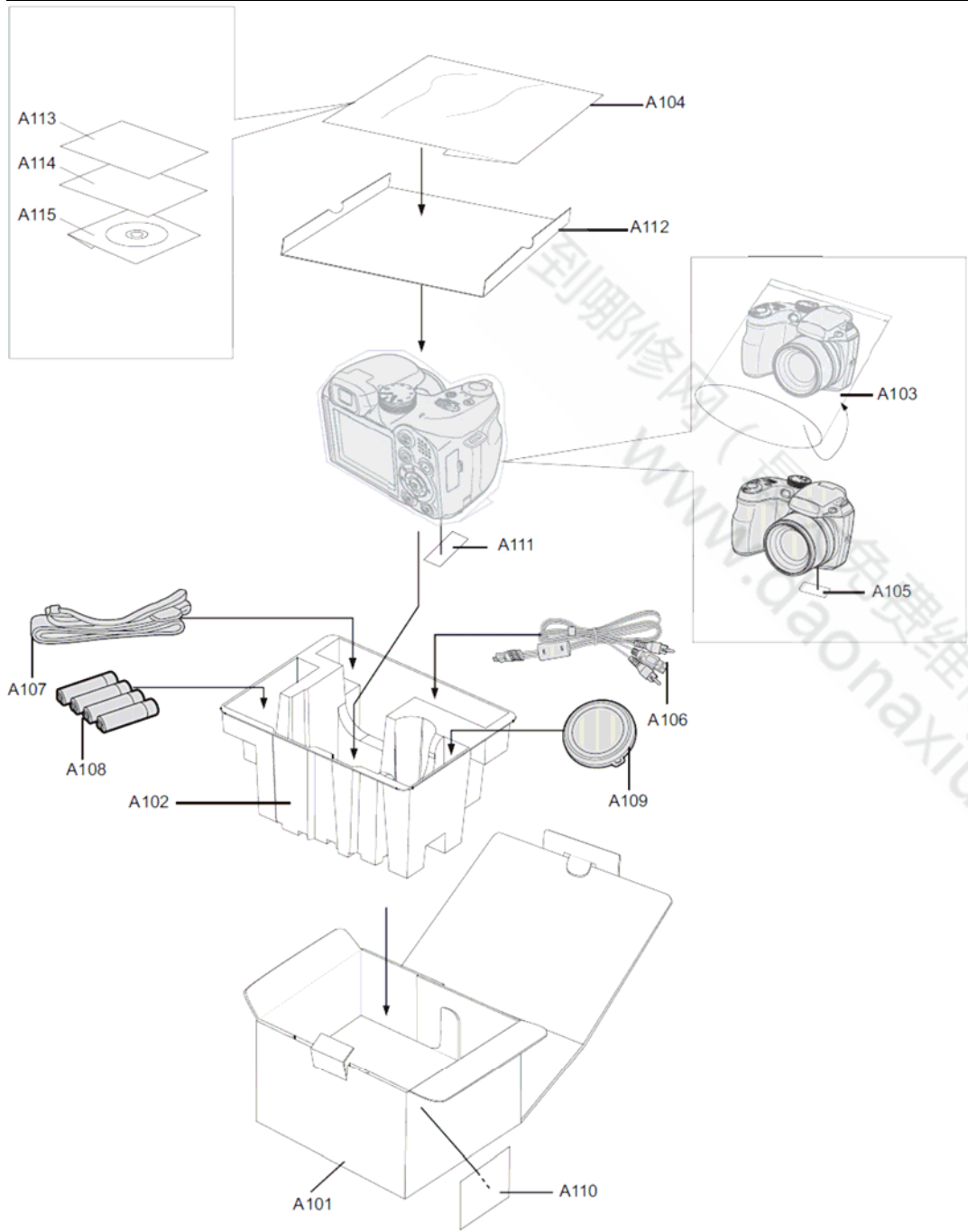
Revised:31, Mar. 2010

5. Parts List

5-1. Packing and Accessories

5-1-3. FinePix S1800 EE-model

Ref NO.	Parts No.	Description	Comment
A101	082-0892-001	UNITARY BOX S1800 W	
A102	082-0901-001	TRAY	
A103	083-0075-001	PLASTIC BAG 250X155	
A104	083-0523-001	PLASTIC BAG 150X200	
A105	088-2811-001	PRODUCT LABEL S1800 EU	
A106	056-0198-001	USB CABLE 3 IN	
A107	080-0047-001	STRAP SHOULDER	
A108	054-0027-001	ALKALINE BATTERY	
A109	002-CY52-000	LENS CAP ASSY	
A110	088-2483-001	BAR CODE LABEL EU	
A111	088-2478-001	CERITIFICATION SEAL	
A112	082-0900-001	GIFTBOX PAD	
A113	301-6139-001	WWN PRINT	
A113	301-6151-001	WWN PRINT	
A114	301-0114-001	BASIC MANUAL EN	
A115	332-0187-001	L140 MANUAL CD_PART2	

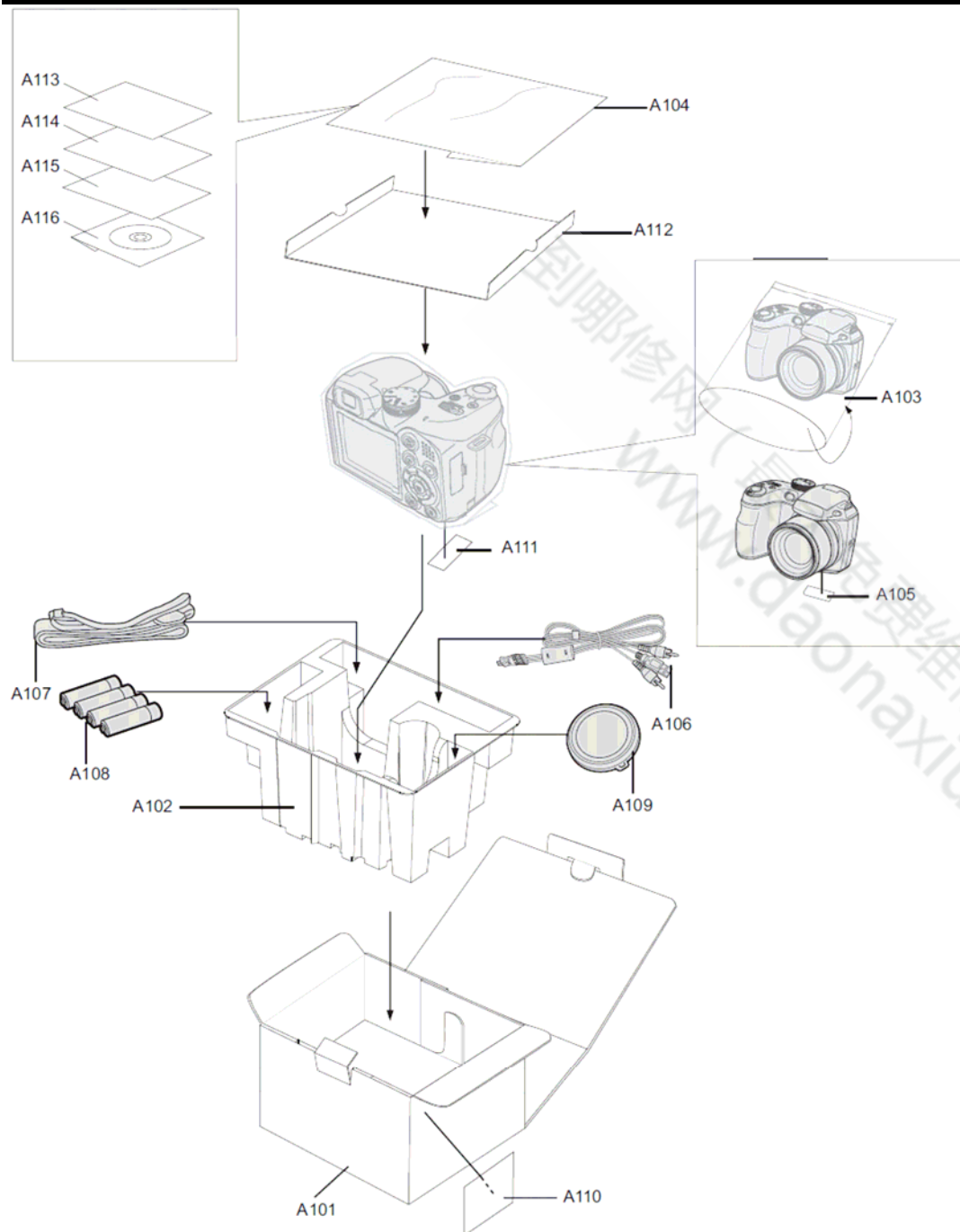


Revised:31, Mar. 2010

5-1. Packing and Accessories

5-1-4. FinePix S1800 EG-model

Ref NO.	Parts No.	Description	Comment
A101	082-0892-001	UNITARY BOX S1800 W	
A102	082-0901-001	TRAY	
A103	083-0075-001	PLASTIC BAG 250X155	
A104	083-0523-001	PLASTIC BAG 150X200	
A105	088-2811-001	PRODUCT LABEL S1800 EU	
A106	056-0198-001	USB CABLE 3 IN	
A107	080-0047-001	STRAP SHOULDER	
A108	054-0027-001	ALKALINE BATTERY	
A109	002-CY52-000	LENS CAP ASSY	
A110	088-2482-001	BAR CODE LABEL EG	
A111	088-2478-001	CERITIFICATION SEAL	
A112	082-0900-001	GIFTBOX PAD	
A113	301-6139-001	WWN PRINT	
A113	301-6151-001	WWN PRINT	
A114	301-2137-001	WARRANTY E	
A115	301-0114-001	BASIC MANUAL EN	
A116	332-0187-001	L140 MANUAL CD_PART2	

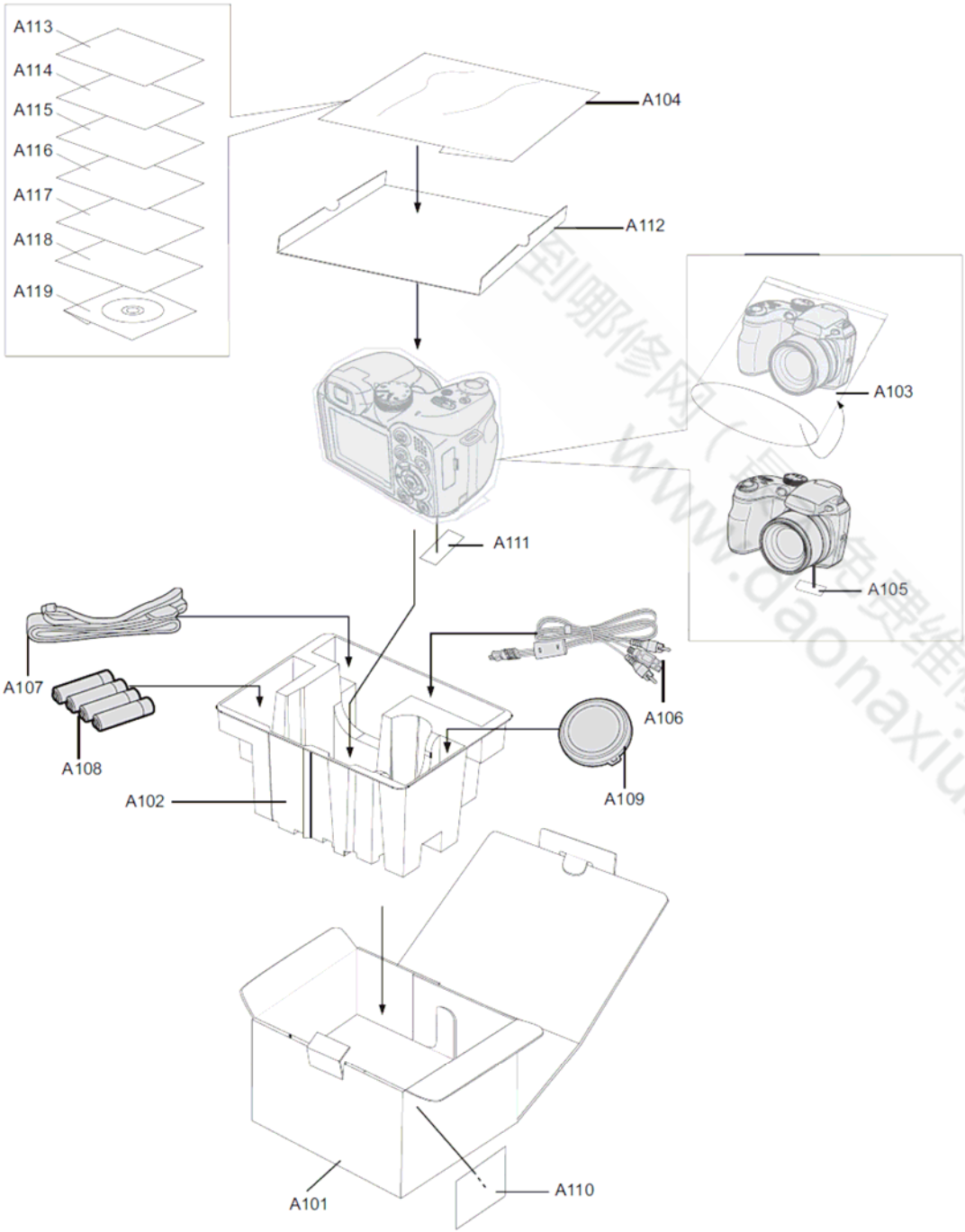


Revised:31, Mar. 2010

5-1. Packing and Accessories

5-1-5. FinePix S1800 US-model

Ref NO.	Parts No.	Description	Comment
A101	082-0892-001	UNITARY BOX S1800 W	
A102	082-0901-001	TRAY	
A103	083-0075-001	PLASTIC BAG 250X155	
A104	083-0523-001	PLASTIC BAG 150X200	
A105	088-2812-001	PRODUCT LABEL S1800 US	
A106	056-0198-001	USB CABLE 3 IN	
A107	080-0047-001	STRAP SHOULDER	
A108	054-0027-001	ALKALINE BATTERY	
A109	002-CY52-000	LENS CAP ASSY	
A110	088-2481-001	BAR CODE LABEL US	
A111	088-2478-001	CERITIFICATION SEAL	
A112	082-0900-001	GIFTBOX PAD	
A113	301-6139-001	WWN PRINT	
A113	301-6151-001	WWN PRINT	
A114	301-2191-001	WARRANTY,US REGISTRATION-CARD	
A115	301-6142-001	US STOP PAPER	
A116	301-0114-001	BASIC MANUAL EN	
A117	301-0115-001	BASIC MANUAL FR	
A118	301-0117-001	BASIC MANUAL ES	
A119	332-0187-001	L140 MANUAL CD_PART2	



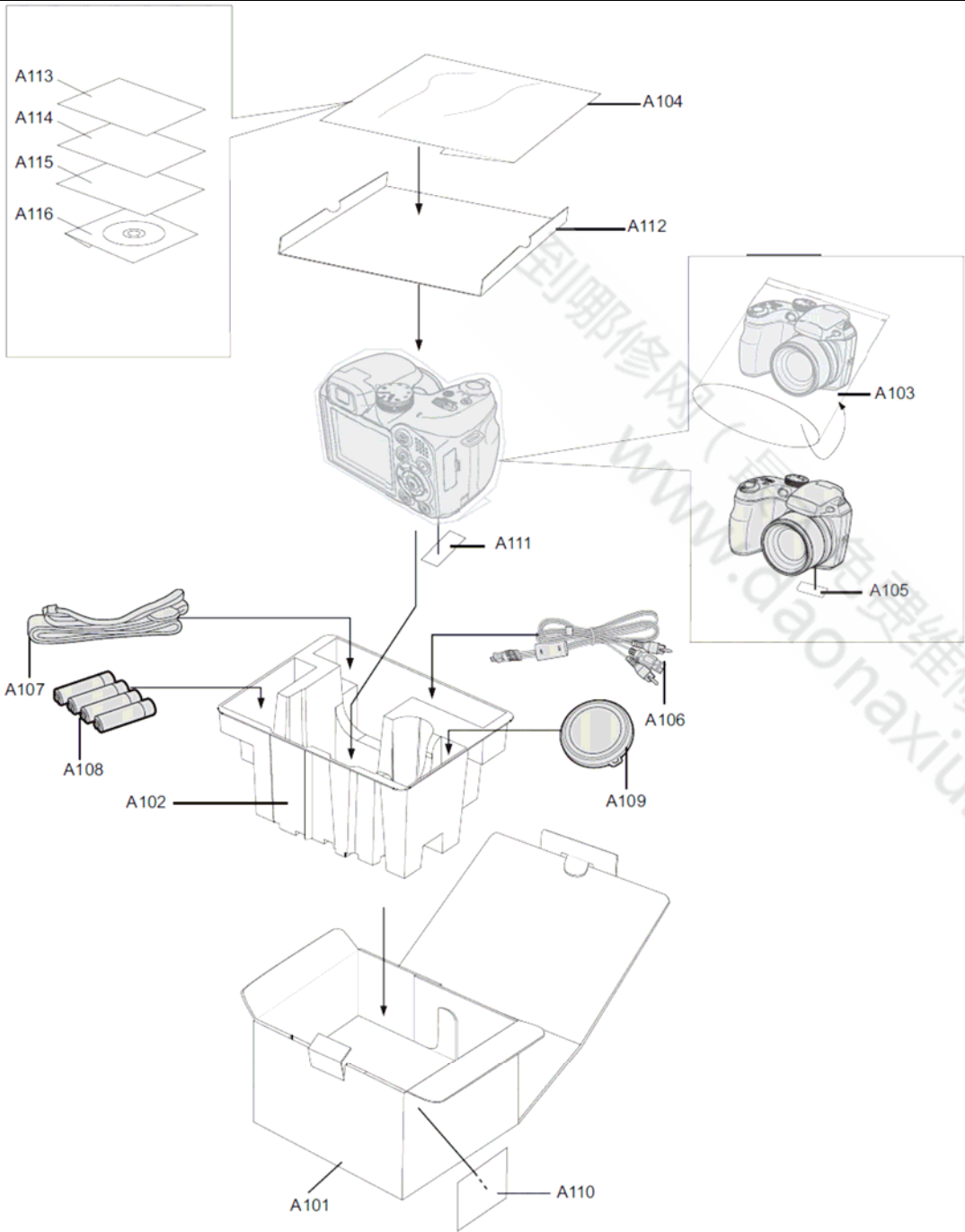
Revised:31, Mar. 2010

5. Parts List

5-1. Packing and Accessories

5-1-6. FinePix S1850 EG-model

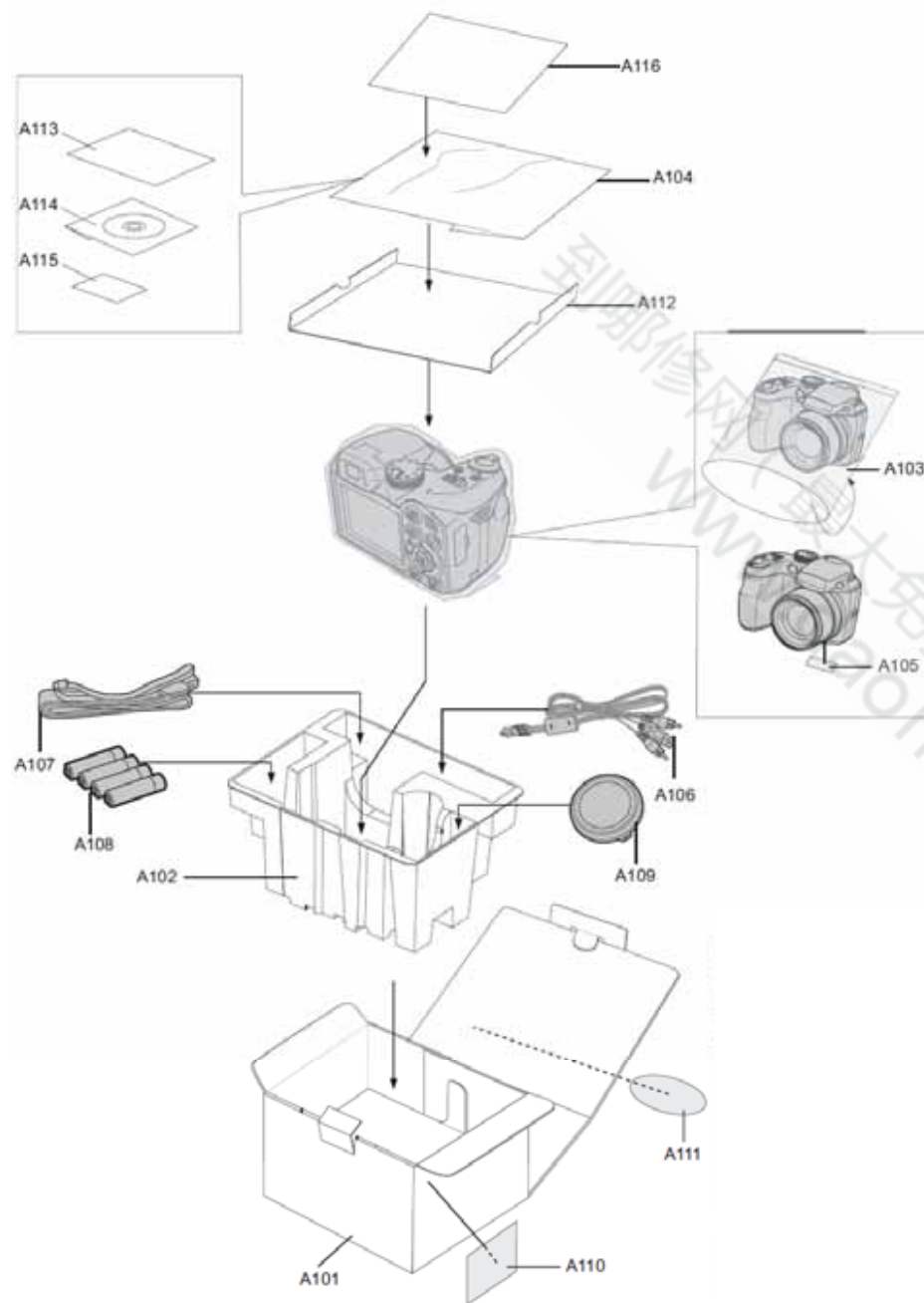
Ref NO.	Parts No.	Description	Comment
A101	082-0928-001	UNITARY BOX S1850 EG	
A102	082-0901-001	TRAY	
A103	083-0075-001	PLASTIC BAG 250X155	
A104	083-0523-001	PLASTIC BAG 150X200	
A105	088-2917-001	PRODUCT LABEL S1850 EG	
A106	056-0198-001	USB CABLE 3 IN	
A107	080-0047-001	STRAP SHOULDER	
A108	054-0027-001	ALKALINE BATTERY	
A109	002-CY52-000	LENS CAP ASSY	
A110	088-2482-001	BAR CODE LABEL EG	
A111	088-2478-001	CERITIFICATION SEAL	
A112	082-0900-001	GIFTBOX PAD	
A113	301-6151-001	WWN PRINT	
A114	301-2137-001	WARRANTY E	
A115	301-0114-001	BASIC MANUAL EN	
A116	332-0187-001	L140 MANUAL CD_PART2	



Revised:31, Mar. 2010

5-1. Packing and Accessories

5-1-7. FinePix S1880 CH-model

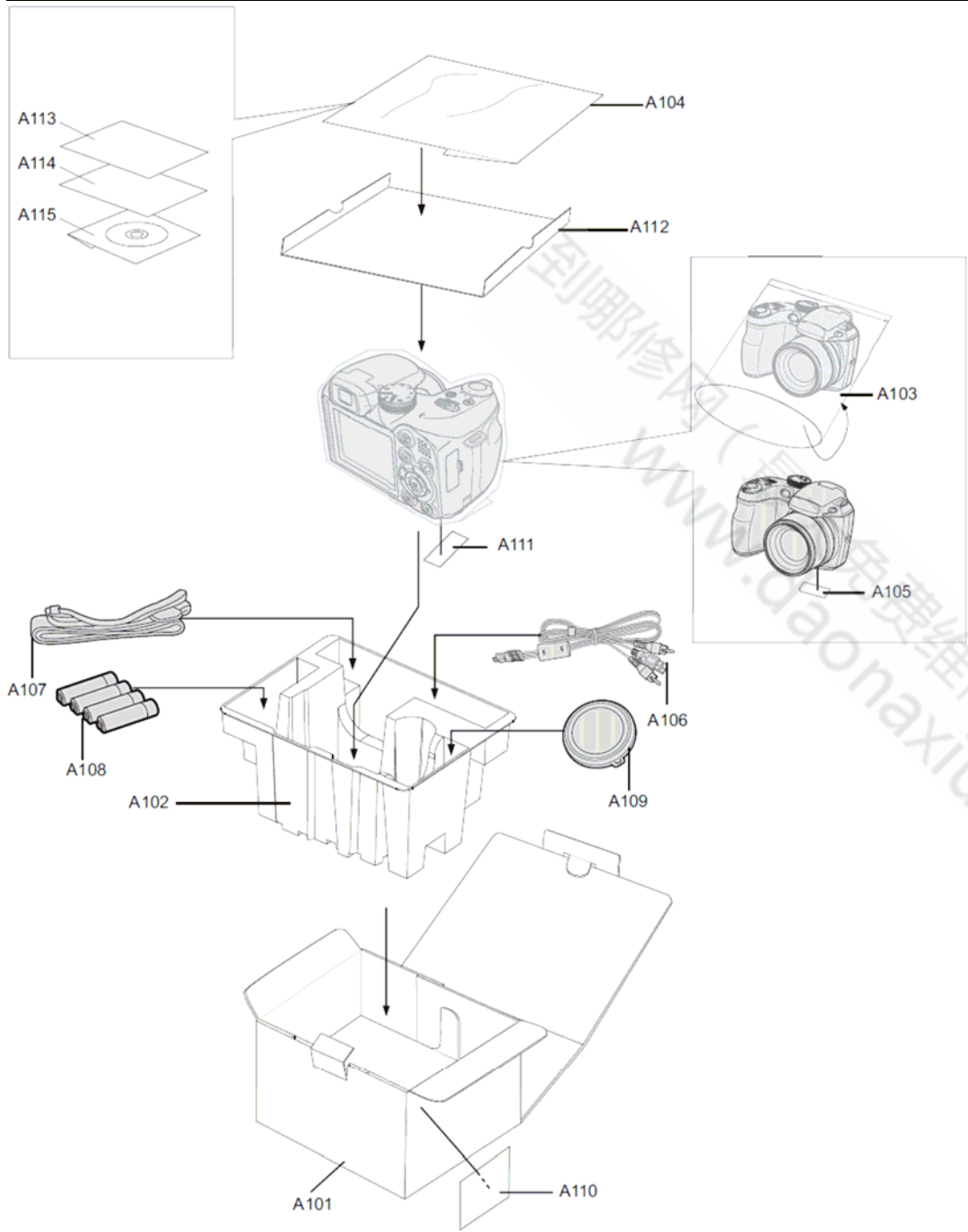


Ref No.	Parts No.	Description	Comment
A101	082-0893-001	UNITARY BOX S1880 CH	
A102	082-0901-001	TRAY	
A103	083-0075-001	PLASTIC BAG 250X155	
A104	083-0523-001	PLASTIC BAG 150X200	
A105	088-2813-001	PRODUCT LABEL S1880 CH	
A106	056-0198-001	USB CABLE 3 IN	
A107	080-0047-001	STRAP SHOULDER	
A108	054-0027-001	ALKALINE BATTERY	
A109	002-CY52-000	LENS CAP ASSY	
A110	088-2480-001	BAR CODE LABEL CH	
A111	088-2479-001	REGULATION SEAL	
A112	082-0900-001	GIFTBOX PAD	
A113	301-0121-001	MANUAL ZH	
A114	332-0187-001	L140 MANUAL CD_PART2	
A115	301-6120-001	CERTIFICATE	
A116	301-2181-001	WARRANTY C	

5-1. Packing and Accessories

5-1-8. FinePix S1900 EE-model

Ref NO.	Parts No.	Description	Comment
A101	082-0927-001	UNITARY BOX S1900 W	
A102	082-0901-001	TRAY	
A103	083-0075-001	PLASTIC BAG 250X155	
A104	083-0523-001	PLASTIC BAG 150X200	
A105	088-2911-001	PRODUCT LABEL S1900 EU	
A106	056-0198-001	USB CABLE 3 IN	
A107	080-0047-001	STRAP SHOULDER	
A108	054-0027-001	ALKALINE BATTERY	
A109	002-CY52-000	LENS CAP ASSY	
A110	088-2483-001	BAR CODE LABEL EU	
A111	088-2478-001	CERITIFICATION SEAL	
A112	082-0900-001	GIFTBOX PAD	
A113	301-6139-001	WWN PRINT	
A113	301-6151-001	WWN PRINT	
A114	301-0114-001	BASIC MANUAL EN	
A115	332-0187-001	L140 MANUAL CD_PART2	

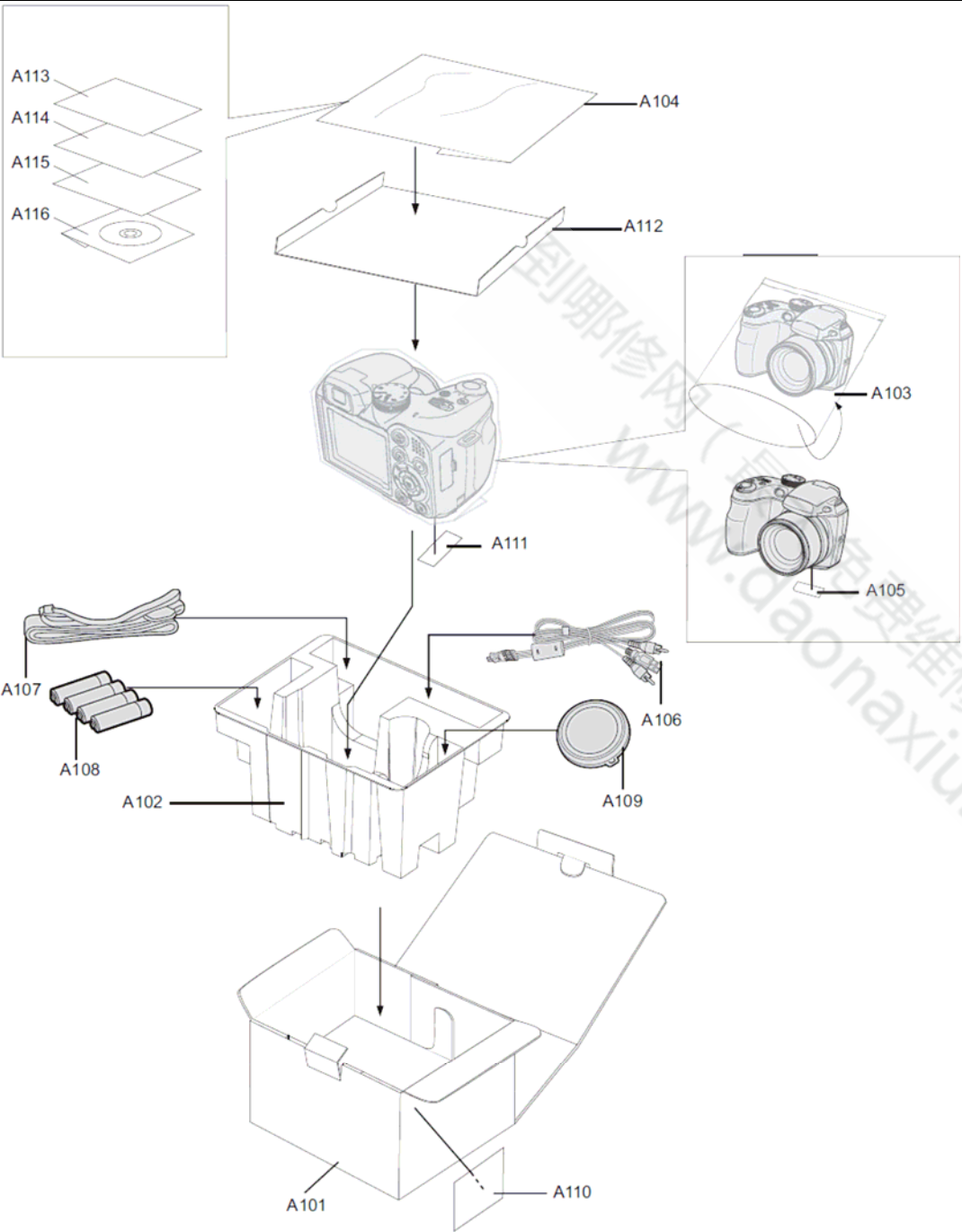


Revised:31, Mar. 2010

5-1. Packing and Accessories

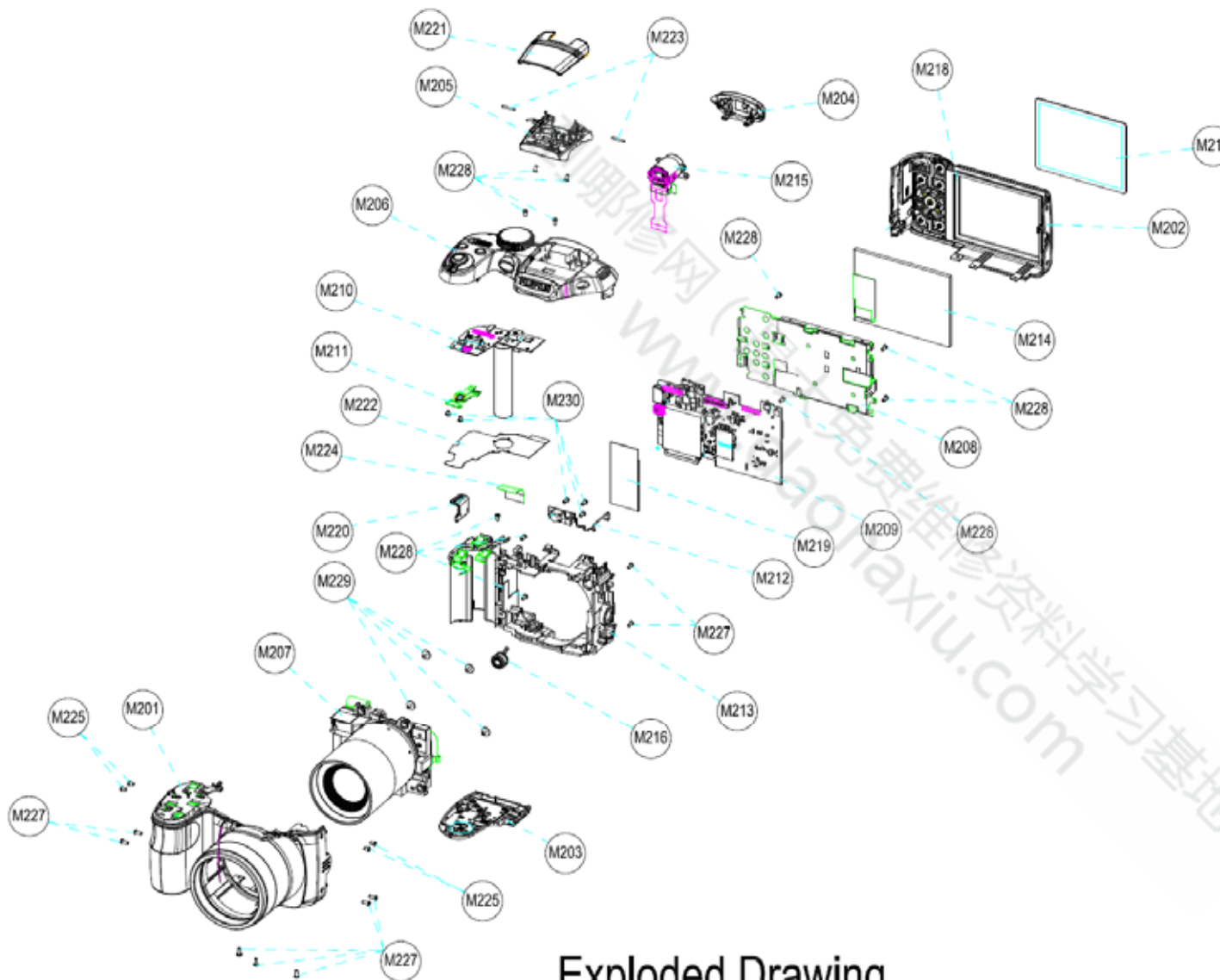
5-1-9. FinePix S1900 EG-model

Ref NO.	Parts No.	Description	Comment
A101	082-0927-001	UNITARY BOX S1900 W	
A102	082-0901-001	TRAY	
A103	083-0075-001	PLASTIC BAG 250X155	
A104	083-0523-001	PLASTIC BAG 150X200	
A105	088-2911-001	PRODUCT LABEL S1900 EU	
A106	056-0198-001	USB CABLE 3 IN	
A107	080-0047-001	STRAP SHOULDER	
A108	054-0027-001	ALKALINE BATTERY	
A109	002-CY52-000	LENS CAP ASSY	
A110	088-2482-001	BAR CODE LABEL EG	
A111	088-2478-001	CERITIFICATION SEAL	
A112	082-0900-001	GIFTBOX PAD	
A113	301-6139-001	WWN PRINT	
A113	301-6151-001	WWN PRINT	
A114	301-2137-001	WARRANTY E	
A115	301-0114-001	BASIC MANUAL EN	
A116	332-0187-001	L140 MANUAL CD_PART2	



Revised:31, Mar. 2010

5-2. Mechanical Block




Exploded Drawing

S1800/S1850/S1880/S1900

Ref No.	Parts No	Description	Comment
M201	002-CY73-000	FRONT COVER ASSY B	
M202	002-CY75-000	REAR COVER ASSY B	
M203	002-CY76-000	BATTERY COVER ASSY B	
M204	002-CY77-000	EVF ASSY	
M205	002-CY79-000	FLASH BOTTOM ASSY	
M206	002-CY81-000	TOP COVER CONST	
M207	002-CY84-000	LENS CONST	
M208	002-CY85-000	LCD HOLDER ASSY	
M209	002-CY86-000	MAIN PWB ASSY	
M210	002-CY88-000	TOP BOARD ASSY	
M211	002-CY90-000	PCBA SHUTTER ASSY	
M212	002-CY92-000	PCBA AF LED ASSY	
M213	002-CY93-000	FRAME ASSY	
M214	115-0088-101	LCD	
M215	055-3004-001	EVF	
M216	116-0545-001	MICROPHONE	
M217	051-6246-011	LCD WINDOW	
M218	081-0368-001	TAPE LCD WINDOW	
M219	051-6256-001	CAP MYLAR	
M220	052-0651-001	STRAP LEFT	
M221	051-2091-011	FLASH TCOVER PI B	
M222	051-6257-001	TOP BOARD MYLAR	
M223	052-2593-001	FLASH HINGE	
M224	059-0263-001	WIRE FFC	
M225	085-0339-001	SCREW M1.7 x 3.5	
M226	085-0351-001	TAPPING SCREW M1.7 x 4.5	
M227	085-0352-001	TAPPING SCREW M1.7 x 4.5	
M228	085-0340-001	TAPPING SCREW M1.7 x 3.5	
M229	085-0341-001	TAPPING SCREW M1.7 x 3.0	
M230	085-0343-001	TAPPING SCREW M1.4 x 3.0	

Revised:31, Mar. 2010

5-3. Electrical parts

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

* Due to standardization, replacement in the parts list may be different from the parts list specified in the circuit or the components used on the set.

Electrical parts

MAIN PWB ASSY

Ref No.	Parts No	Description	Comment
C152	217-0005-001	BACKUP BATTERY	
F600	213-0035-001	FUSE 6V 1.1A	



6. Appendix

6-1 List of Related Technical Updates Issued

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

Technical Update No.	Date	Title	Details/Other
2009—184	11, Dec. 2009	Service manual revision	Revised pages: P5-1 to P5-12,
2010—001	05, Jan. 2010	The adjustment software release and the service manual revision	Revised pages: P1-1 to P1-12, P2-1 to P2-5, P3-1 to P3-32, P4-1 to P4-4
2010—064	31, Mar. 2010	The adjustment software revision and the service manual revision	Revised pages: P1-1, P3-2 to P3-32, P5-1 to P5-6, P5-8 to P5-10

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