



FUJIFILM

DIGITAL CAMERA



FinePix S5200/ S5600

SERVICE MANUAL

US/CA/EU/EG/EE/AS/CH/JP-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. (Refer to page 3 to page 5)



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.



RISK OF FIRE-
REPLACE FUSE
AS MARKED

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

8.



WARNING!
HIGH VOLTAGE

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

RoHS lead-free compliance

Because this product is RoHS lead-free compliant, use the designated after-sales parts and the designated lead-free solder when performing repairs.

<Background & Overview>

With the exception of parts and materials expressly excluded from the RoHS directive (*1), all the internal connections and component parts and materials used in this product are lead-free compliant (*2) under the European RoHS directive.

*1: Excluded items (list of the main lead-related items)

- Lead included in glass used in fluorescent tubes, electronic components and cathode-ray tubes
- Lead in high-melting-point solder (i.e. tin-lead solder alloys that contain 85% lead or more)
- Lead in ceramic electronic parts (piezo-electronic devices)
- Mercury contained in fluorescent tubes is also excluded.

*2: Definition of lead-free

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

<Reference>

RoHS: The name of a directive issued by the European Parliament aimed at restricting the use of certain designated hazardous substances included in electrical and electronic equipment.

Designated substances (6): Lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ether (PBDE)

<Lead-free soldering>

When carrying out repairs, use a designated lead-free solder, bearing in mind the differing work practices for conventional solder (eutectic) and lead-free solder.

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

When the soldering work practices for eutectic solder and lead-free solder are compared, the main differences are as shown below. In particular, when lead-free solder is used, the solder tends to be less workable than when eutectic solder is used. Accordingly, the soldering techniques used must take that into account.

	Difference	Countermeasure
1	The solder starts melting later.	The initial melting point of lead-free solder is high, so you have to get used to it.
2	Poor wetting	Move the tip of the soldering iron around to heat the entire connection to the melting temperature and assist wetting.
3	Solder feed rate is difficult to control.	Use the solder (wire) diameter and soldering iron that are best suited to connection being soldered.
4	Wetting the insides of through holes is especially difficult.	First apply solder to the area immediately around the through hole and then feed the solder into the hole.
5	During repairs (or modifications) removing solder from inside through holes is difficult.	Use a suitable wicking wire (with a suitable method and heating) and a suction tool.
6	There is serious carbonization of the soldering iron.	Either put solder onto the soldering iron tip after completing the work, or turn the iron off frequently.
7	The surface is not glossy.	Learn to recognize the appearance of the surface.

■ Setting temperature during lead-free soldering

- Lead-free solder melting temperature

The melting point of eutectic (Sn-Pb) solder is 183°C, while the melting point of lead-free solder (Sn-Ag-Cu) is 30°C higher at 220°C.

- Soldering iron tip temperature

The temperature setting for the soldering iron used should be such that the tip of the soldering iron is at the correct bonding temperature for the connection. This temperature is normally set at around 100°C higher than the melting point of the solder.

However, the actual temperature should take into account the shape and size of the soldering iron tip, the heat tolerance of the connection and the workability of that temperature.

- Correct bonding temperature

The correct bonding temperature refers not to the temperature of the heat source, but to the bonding temperature that will give the best bond strength.

■ Precautions when soldering with lead-free solder

- 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.

- Uniform heating of the board and components

To ensure that the lead-free solder wets the entire surface of the pattern and the lands despite its poor wetting characteristics, you must move the tip of the soldering iron over a wide area to raise the temperature of the entire connection.

■ Soldering iron

A soldering iron with a temperature control is best.



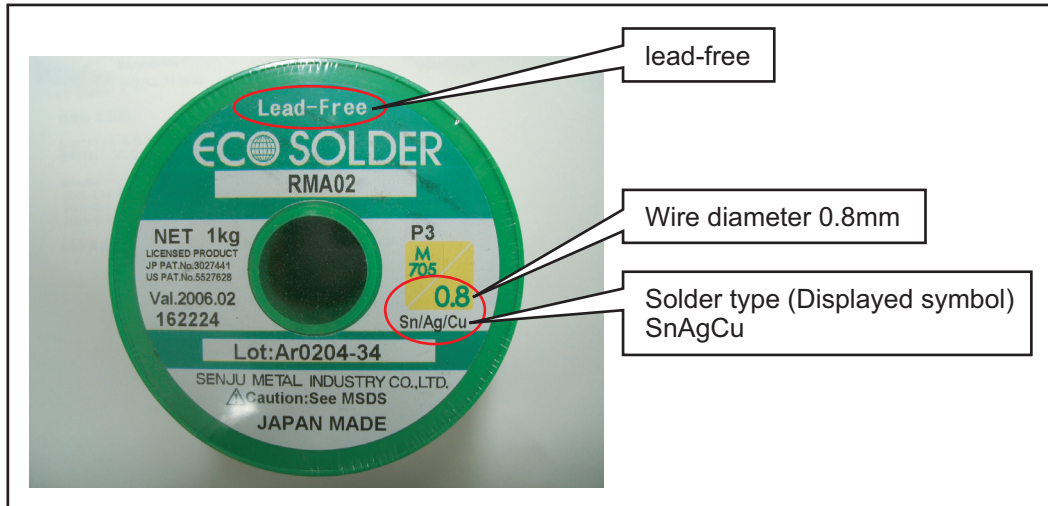
■ Solder wire (thread)

Use the lead-free solders specified below.

Solder type: Sn96.5Ag3Cu0.5 (Displayed symbol: SnAgCu)

Wire diameter: 0.6, 0.8 or 1.0 mm

Sample:



■ Flux

Conventional flux can be used.

■ Solder application wires (mesh, wicking wire, etc.)

Conventional application wires can be used.

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1. General

1-1. Product specification

System	
Model	Digital camera FinePix S5200 / FinePix S5600
Effective pixels	5.1 million pixels
CCD	1/2.5-inch Super CCD HR Number of total pixels: 5.22 million pixels
Storage media	xD-Picture Card (16/32/64/128/256/512 MB/1 GB)
File format	Still image: DCF-compliant Compressed: Exif ver.2.2 JPEG, DPOF-compatible Uncompressed: CCD-RAW (RAF) * Design rule for Camera File System compliant DPOF compatible Movie: AVI format, Motion JPEG Audio: WAVE format, Monaural sound
Number of recorded pixels	Still image: 2592 × 1944 pixels/2736 × 1824 pixels (8:2)/ 2048 × 1536 pixels/1600 × 1200 pixels/640 × 480pixels
Lens	Fujinon 10× optical zoom lens F3.2-F3.5
Focal length	f=6.3 mm-63 mm (Equivalent to approx. 38 mm-380 mm on a 35 mm camera)
Digital zoom	Approx. 5.7× (10× optical zoom lens is used together: Max. zoom scale: 57×)
Aperture (Wide-angle)	F3.2 to F8 9 steps 1/3 EV steps
Focal range	Normal: Wide-angle: approx. 90 cm (3.0 ft.) to infinity (In High-speed shooting mode: approx. 2 m (6.6 ft.) to infinity) Telephoto: approx. 2 m (6.6 ft.) to infinity (In High-speed shooting mode: approx. 4 m (13.1 ft.) to infinity) Macro: Wide-angle: approx. 10 cm (3.9 in.) to 2 m (6.6 ft.) (In High-speed shooting mode: approx. 10 cm (3.9 in.) to 2 m (6.6 ft.)) Telephoto: approx. 90 cm (1.5 ft.) to 2 m (6.6 ft.) (In High-speed shooting mode: approx. 90 cm (1.5 ft.) to 2 m (6.6 ft.))
Sensitivity	AUTO/Equivalent to ISO 64/100/200/400/800/1600
Photometry	TTL 64-zones metering Multi, Spot, Average
Exposure control	Program AE (AUTO,  ,  ,  ,  ,  , P), Shutter-priority AE, Aperture-priority AE, Manual exposure
Scene position	 (Anti-blur),  (Natural light),  (Portrait),  (Landscape),  (Night)
Exposure compensation	-2 EV to +2 EV in 1/3 EV-step increments
Shutter speed	15 sec. to 1/2000 sec. (depend on Exposure mode)
Continous shooting	Top 3-frame: Number of recorded frames: up to 3 frames (Max. 2 frames/sec.) Final 3-frame: Number of recorded frames: last 3 frames before releasing the shutter button (Max. 2 frames/sec.) Long-period continuous shooting mode: Number of recorded frames: up to 40 frames. (Max. 0.9 frames/sec.)
Auto bracketing	± 1/3 EV, ± 2/3 EV, ± 1 EV
Focus	Mode: Single AF/Continuous AF/Manual focus AF system: TTL contrast-type, AF-assist illuminator AF frame selection: AF (CENTER), AF (MULTI), AREA AF

System

White balance	Automatic scene recognition/Preset (Fine, Shade, Fluorescent (Daylight), Fluorescent (Warm White), Fluorescent (Cool White), Incandescent)/Custom
Self-timer	Approx. 10 sec./2 sec.
Flash type	Popping the flash up automatically Effective range (AUTO): Wide-angle: approx. 30 cm-4 m (1.0 ft.-13.1 ft.) Telephoto: approx. 80 cm-4 m (2.6 ft.-13.1 ft.)
Flash mode	Auto, Red-Eye Reduction, Forced Flash, Suppressed Flash, Slow Synchro, Red-Eye Reduction + Slow Synchro
Viewfinder	0.33 inches, 115,000 pixels electronic viewfinder, Approx. 100 % coverage
LCD monitor	1.8 inches, Aspect ratio: 4:3; approx. 115,000 pixels TFT color LCD monitor, Approx. 100% coverage
Movie	640 × 480 pixels/320 × 240 pixels (640 / 320) (30 frames per second with monaural sound) A series of continuous image can be recorded up to available recording time per xD-Picture Card. Zoom cannot be used during movie recording.
Photography functions	Post shot assist window, High-speed shooting, Best framing, Frame No. memory
Playback functions	Trimming, Image rotate, Automatic playback, Multi-frame playback, Sorting by date, Histograms (Highlight warning), Voice memo
Other functions	PictBridge, Exif print, PRINT Image Matching II, Language (English, Francais, Deutsch, Español, Italiano, 中文, 한글), Time difference, FinePix photo mode (<i>F</i> -mode)

Input/Output Terminals

A/V OUT (Audio/Visual output)	NTSC/PAL-type (with monaural sound)
Digital input/output	USB2.0 High-Speed
DC input socket	AC-5VX/AC-5VH/AC-5VHS (sold separately)

■ Standard number of available frames/recording time per xD-Picture Card

The number of available frames, recording time or file size varies slightly depending on the subjects photographed. Note also that the divergence between standard number of frames and the actual number of frames is greater for xD-Picture Cards with higher capacities.

Quality setting	5M F	5M N	3:2	3M	2M	03M	RAW	640 (30 fps)	320 (30 fps)
Number of recorded pixels	2592 × 1944		2736 × 1824	2048 × 1536	1600 × 1200	640 × 480	—	640 × 480	320 × 240
Image data size	2.5 MB	1.3 MB	1.3 MB	780 KB	630 KB	130 KB	11 MB	—	—
DPC-16 (16 MB)	6	12	12	19	25	122	1	13 sec.	26 sec.
DPC-32 (32 MB)	12	25	25	40	50	247	2	27 sec.	54 sec.
DPC-64 (64 MB)	25	50	51	81	101	497	5	55 sec.	109 sec.
DPC-128 (128 MB)	51	102	103	162	204	997	11	111 sec.	219 sec.
DPC-256 (256 MB)	102	204	207	325	409	1997	23	223 sec.	7.3 min.
DPC-512/M512 (512 MB)	205	409	414	651	818	3993	46	7.4 min.	14.6 min.
DPC-M1GB (1 GB)	412	819	830	1305	1639	7995	92	14.9 min.	29.3 min.

Power Supply and Others

Power supply

- 4× AA-size alkaline batteries
- 4× AA-size Ni-MH (Nickel-Metal Hydride) batteries (sold separately)

Guide to the number of available frames for battery operation

Battery Type	With LCD monitor ON	With viewfinder (EVF) ON
Alkaline batteries	Approx. 250 frames	Approx. 270 frames
Ni-MH batteries 2500 mAh	Approx. 500 frames	Approx. 540 frames

According to the CIPA (Camera & Imaging Products Association) standard procedure for measuring digital still camera battery consumption (extract):

When using alkaline batteries, use the batteries supplied with the camera. You can use Ni-MH batteries also. The storage media should be xD-Picture Card or Microdrive.

Pictures should be taken at a temperature of +23°C (+73°F), with the LCD monitor turned on, AF-assist illuminator off, the optical zoom moved from full wide-angle to full telephoto (or vice-versa) and back again to its original position every 30 seconds, the flash used at full power every second shot and the camera turned off and then on again once every 10 shots.

- Note: Because the number of available shots varies depending on the capacity of alkaline batteries or the level of charge in Ni-MH batteries, the figures shown here for the number of available shots using batteries are not guaranteed.
The number of available shots will also decline at low temperatures.

Camera dimensions (W/H/D)

113.5 mm × 85.0 mm × 112.0 mm/4.4 in. × 3.3 in. × 4.4 in.
(not including accessories and attachments)

Camera mass (weight)

Approx. 370 g/13.1 oz.
(not including accessories, batteries and xD-Picture Card)

Weight for photography

Approx. 470 g/16.6 oz. (including batteries and xD-Picture Card)

Operating conditions

Temperature: 0°C to +40°C (+32°F to +104°F)
80% humidity or less (no condensation)

Accessories included

- AA-size Alkaline Batteries (LR6) (4)
- 16 MB, xD-Picture Card (1) Anti-static case (1) included
- Shoulder Strap (1)
- Lens cap (1)
- A/V cable (1) Approx. 1.2 m (3.9 ft.), plug (2.5 mm dia.) to pin-plug ×2
- USB cable (mini-B) (1)
- CD-ROM (1) Software for FinePix CX
- Owner's Manual (1)

Power Supply and Others

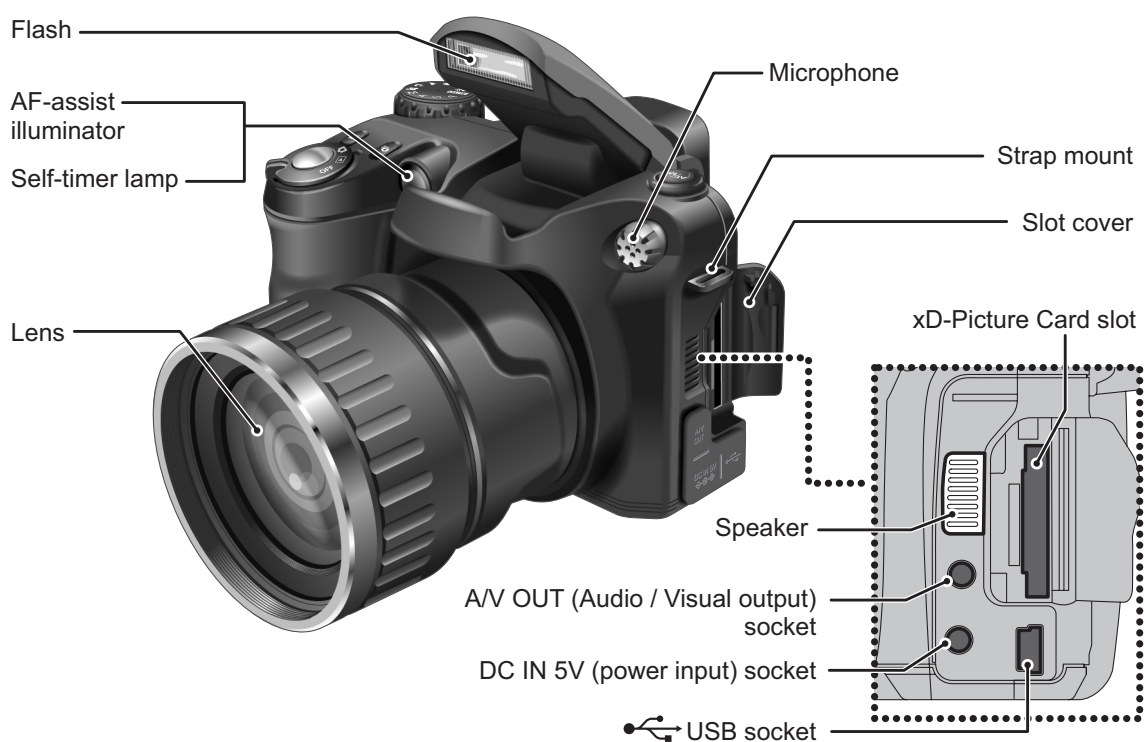
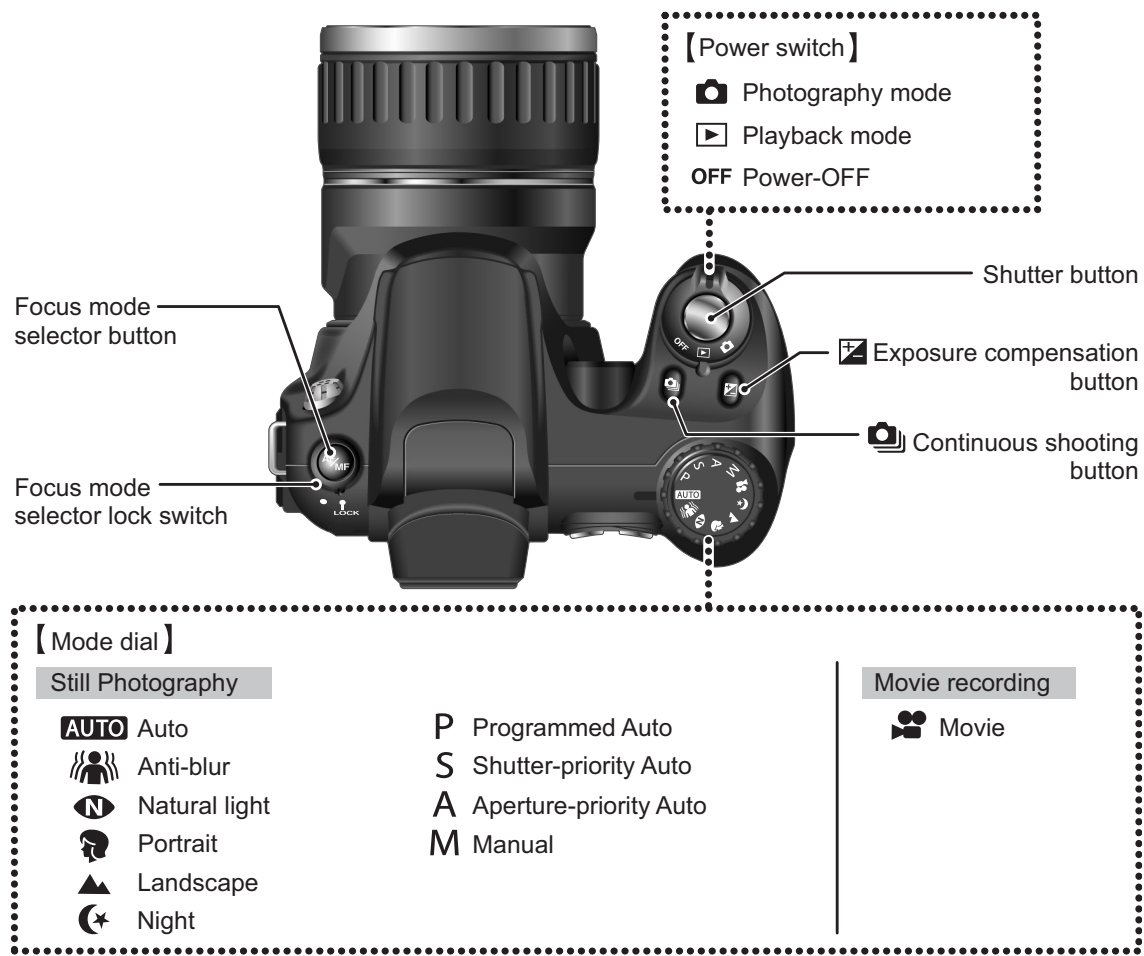
Optional accessories

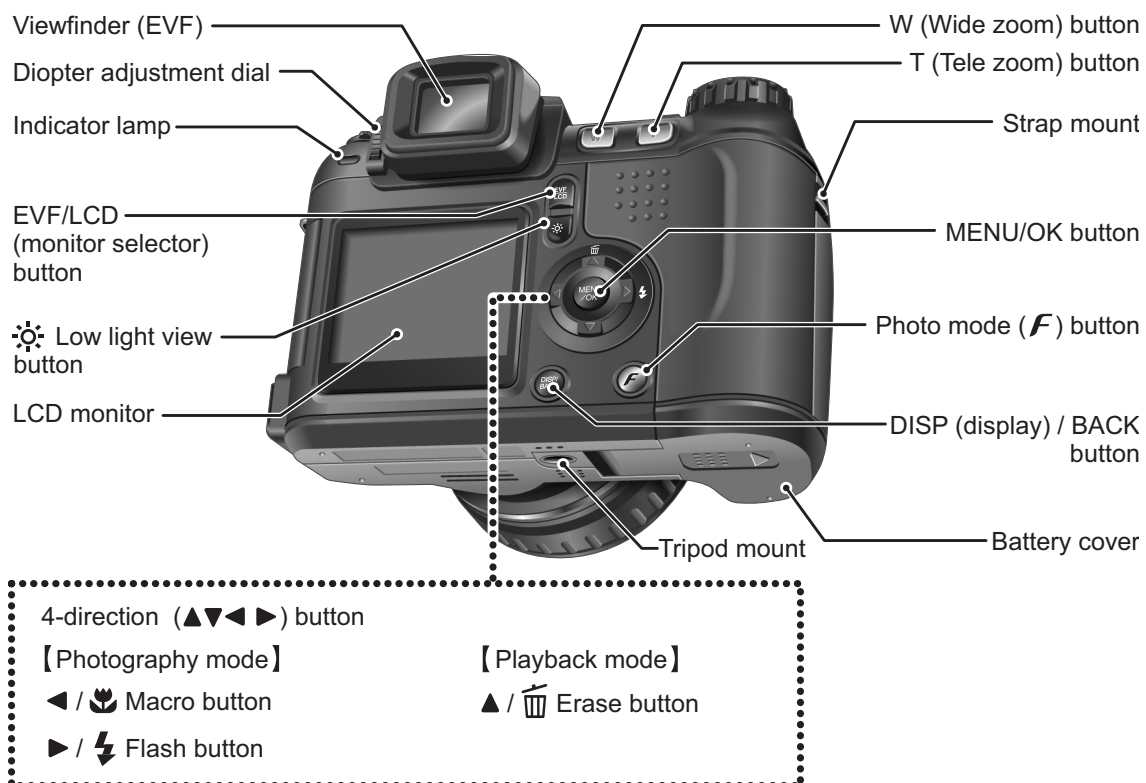
- xD-Picture Card
 - DPC-16 (16 MB)/DPC-32 (32 MB)/DPC-64 (64 MB)/DPC-128 (128 MB)/
 - DPC-256 (256 MB)/DPC-512 (512 MB)/DPC-M512 (512 MB)/DPC-M1GB (1 GB)
- AC Power Adapter AC-5VX
- Fujifilm Rechargeable Battery 2HR-3UF
- Fujifilm Battery Charger with Battery BK-NH2 (With Euro type or UK type plug)
- AC Power Adapter AC-5VH/AC-5VHS
- Soft Case SC-FXS5
- Wide Conversion Lens WL-FX9B
- Image Memory Card Reader DPC-R1
 - Compatible with Windows 98/98 SE, Windows Me, Windows 2000 Professional, Windows XP or iMac, Mac OS 8.6 to 9.2.2, Mac OS X (10.1.2 to 10.2.2) and models that support USB as standard.
 - Compatible with xD-Picture Card of 16 MB to 512 MB, and SmartMedia of 3.3 V, 4 MB to 128 MB.
- PC Card Adapter DPC-AD
 - Compatible with xD-Picture Card of 16 MB to 512 MB, and SmartMedia of 3.3 V, 2 MB to 128 MB.
- CompactFlash Card Adapter DPC-CF
 - Windows 95/98/98 SE/Me/2000 Professional/XP
 - Mac OS 8.6 to 9.2/X (10.1.2 to 10.1.5)
- xD-Picture Card USB Drive DPC-UD1
 - Compatible with xD-Picture Card of 16 MB to 512 MB
 - Windows 98/98 SE/Me/2000 Professional/XP
 - Mac OS 9.0 to 9.2.2/X (10.0.4 to 10.2.6)

1-2. Explanation of Terms

Deactivated batteries:	Leaving an Ni-MH battery unused in storage for a long period may cause a rise in the level of substances that inhibit current flow inside the battery and result in a dormant battery. A battery in this state is referred to as deactivated. Because current flow is inhibited in a deactivated Ni-MH battery, the battery's original level of performance cannot be achieved.
EV:	A number denotes Exposure Value. The EV is determined by the brightness of the subject and sensitivity (speed) of the film or CCD. The number is larger for bright subjects and smaller for dark subjects. As the brightness of the subject changes, a digital camera maintains the amount of light hitting the CCD at a constant level by adjusting the aperture and shutter speed. When the amount of light striking the CCD doubles, the EV increases by 1. Likewise, when the light is halved, the EV decreases by 1.
Frame rate (fps):	The frame rate refers to the number of images (frames) that are photographed or played back per second. For example, when 10 frames are continuously photographed in a 1-second interval, the frame rate is expressed as 10 fps. For reference, TV images are displayed at 30 fps (NTSC).
JPEG:	Joint Photographic Experts Group A file format used for compressing and saving color images. The higher the compression rate, the greater the loss of quality in the decompressed (restored) image.
Memory effect:	If an Ni-MH battery is repeatedly charged without first being fully discharged, its performance may drop below its original level. This is referred to as the "memory effect".
Motion JPEG:	A type of AVI (Audio Video Interleave) file format that handles images and sound as a single file. Images in the file are recorded in JPEG format. Motion JPEG can be played back by QuickTime 3.0 or later.
Smear:	A phenomenon specific to CCDs whereby white streaks appear on the image when there is a very strong light source, such as the sun or reflected sunlight, in the photography screen.
WAVE:	A standard format used on Windows systems for saving audio data. WAVE files have the ".WAV" file extension and the data can be saved in either compressed or uncompressed format. Uncompressed recording is used on this camera. WAVE files can be played back on a personal computer using the following software: Windows: MediaPlayer Macintosh: QuickTime Player * QuickTime 3.0 or later
White Balance:	Whatever the kind of the light, the human eye adapts to it so that a white object still looks white. On the other hand, devices such as digital cameras see a white subject as white by first adjusting the color balance to suit the color of the ambient light around the subject. This adjustment is called matching the white balance.
Exif Print:	Exif Print Format is a newly revised digital camera file format that contains a variety of shooting information for optimal printing.

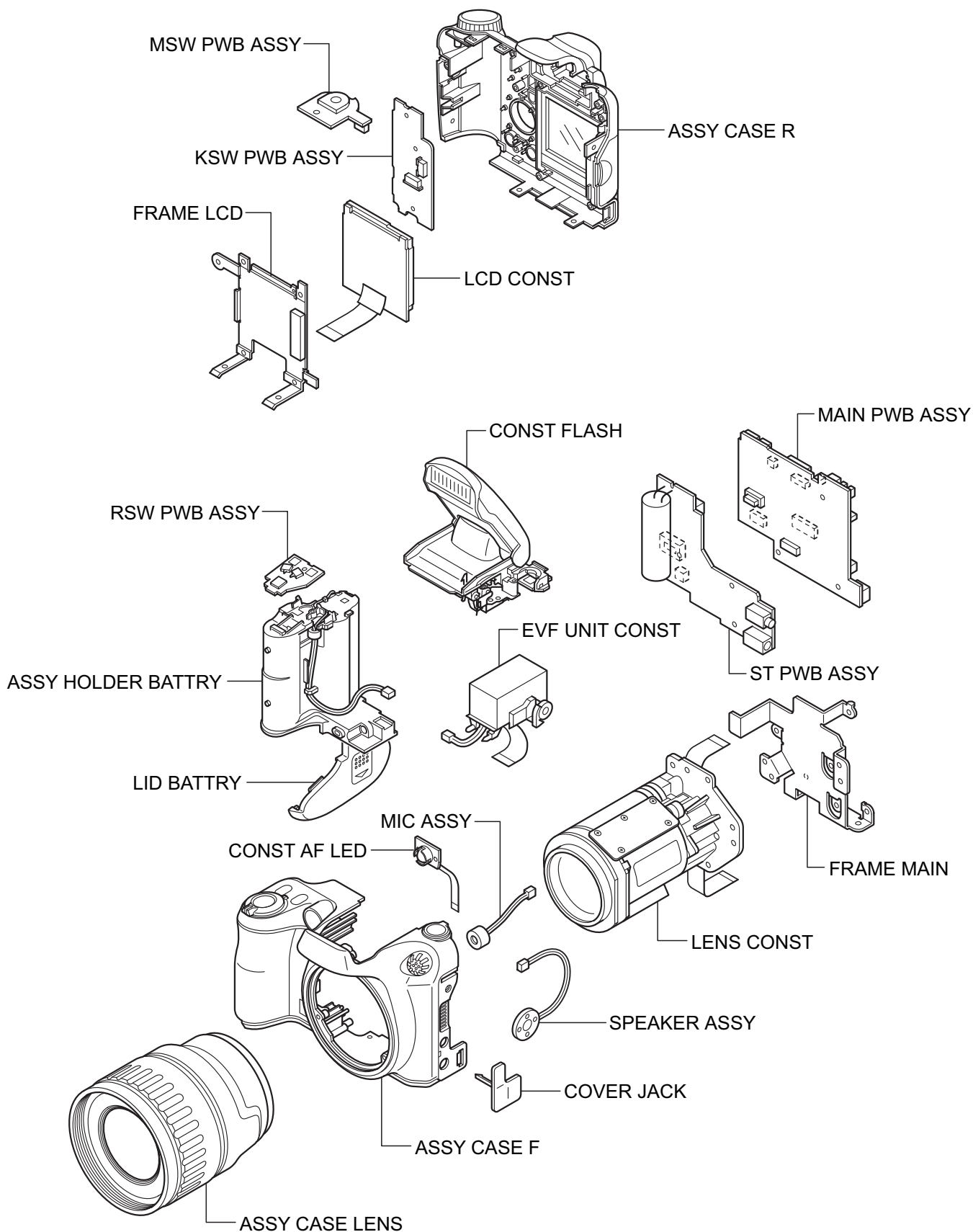
1-3. Names of External Components





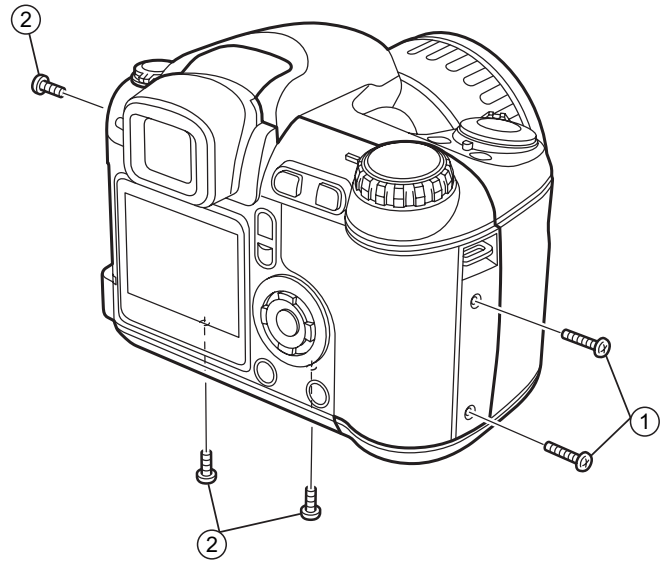
2. Disassembly

2-1. Names of internal Components

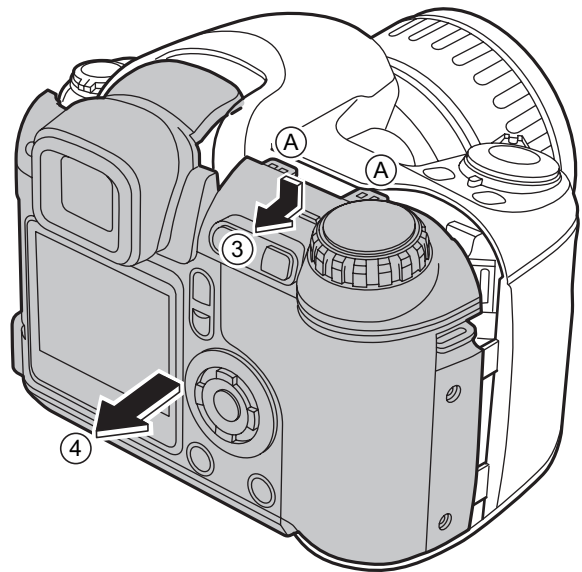


2-2. Removing the CONST REAR

- (1) Remove the 2 screws (M1.7 x 9.0).
- (2) Remove the 3 screws (M1.7 x 3.5).

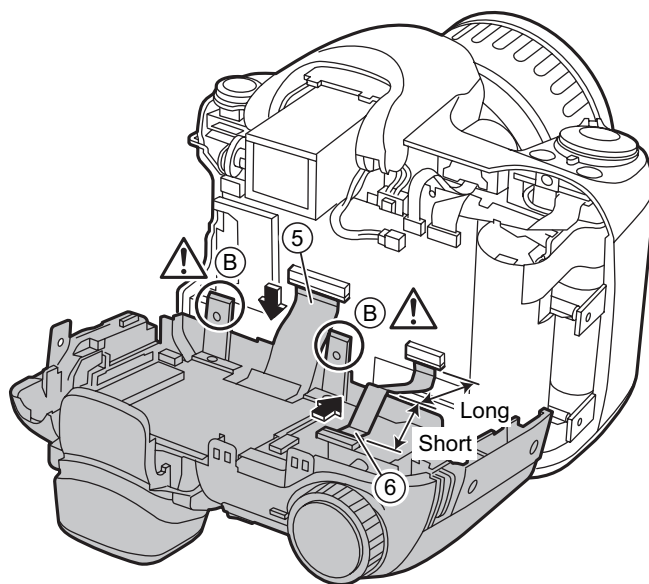


- (3) Apply pressure in the direction indicated by the arrow to disengage the catches at (A).
- (4) Slowly remove the CONST REAR in the direction of the arrow.



- (5) Unlock connector CN451 and then remove the LCD FPC.
- (6) Unlock connector CN801 and then remove the MAIN-KSW FPC.

 Take care that the metal catch (B) on the FRAME LCD does not touch the MAIN PWB ASSY.

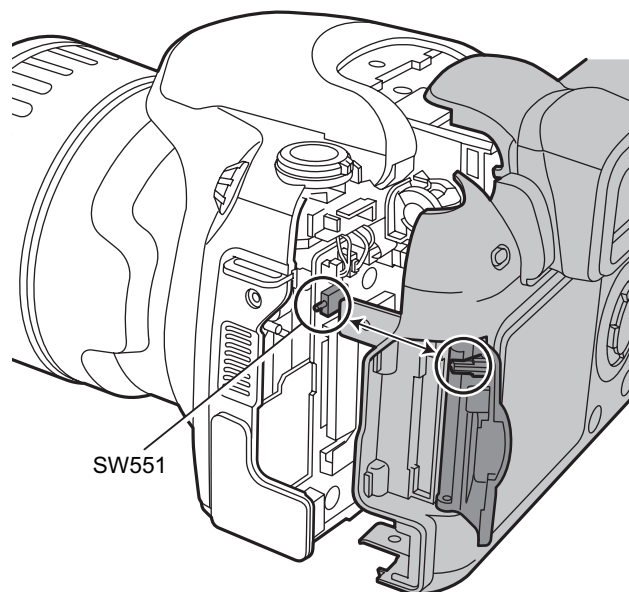


[Assembly]

Re-assemble by reversing the disassembly procedure.

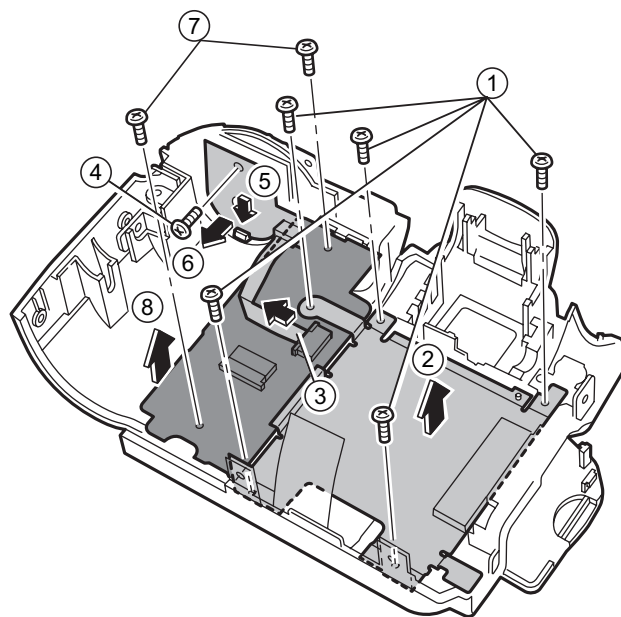
[Notes on assembly]

Fit the CONST REAR into the CASE F with the COVER CARD open (to prevent damage to SW551).

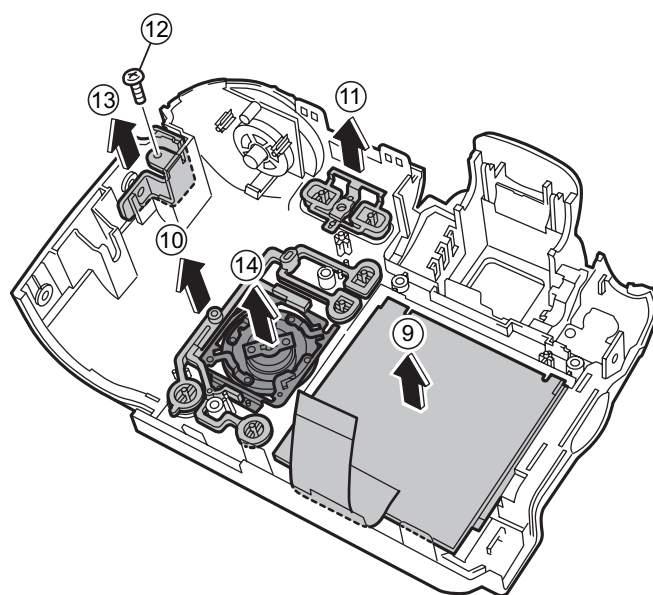


2-3. Disassembling the CONST REAR

- (1) Remove the 5 screws (M1.7 x 4.0).
- (2) Remove the FRAME LCD.
- (3) Unlock connector CN802 and then remove the KSW-MSW FFC.
- (4) Remove the screw (M1.7 x 4.0).
- (5) Push the MSW PWB lock catch in the direction of the arrow to disengage it.
- (6) Remove the MSW PWB in the direction of the arrow.
- (7) Remove the 2 screws (M1.7 x 4.0).
- (8) Remove the KSW PWB in the direction of the arrow.



- (9) Remove the LCD CONST in the direction of the arrow.
- (10) Remove the BUTTON REAR in the direction of the arrow.
- (11) Remove the BUTTON ZOOM in the direction of the arrow.
- (12) Remove the screw (M1.7 x 4.0).
- (13) Remove the STRAP RIGHT in the direction of the arrow.
- (14) Remove the ASSY CURSOL in the direction of the arrow.

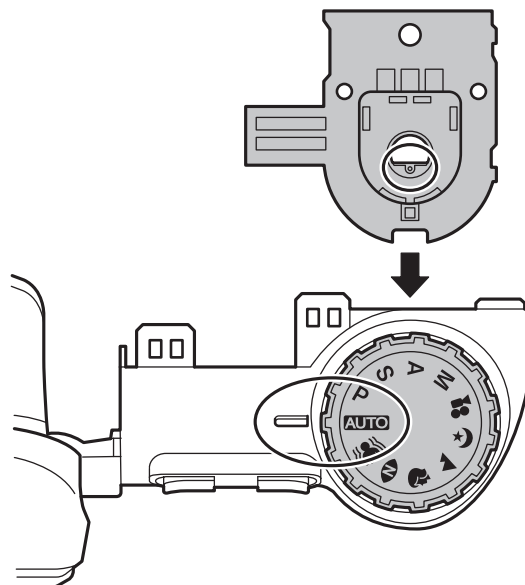


[Assembly]

Re-assemble by reversing the disassembly procedure.

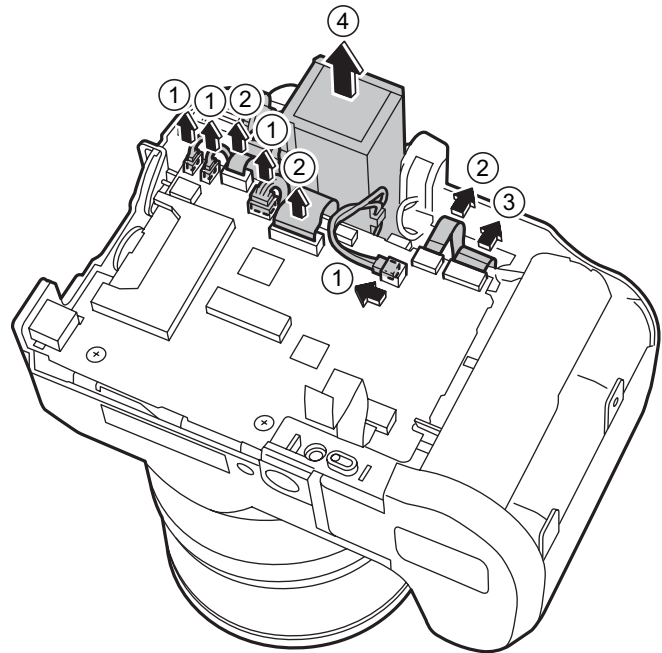
[Notes on assembly]

When fitting the MSW PWB into the CASE R, set the DIAL MODE to "AUTO" and set the selector dial on the MSW PWB to the position shown in the figure before assembly.

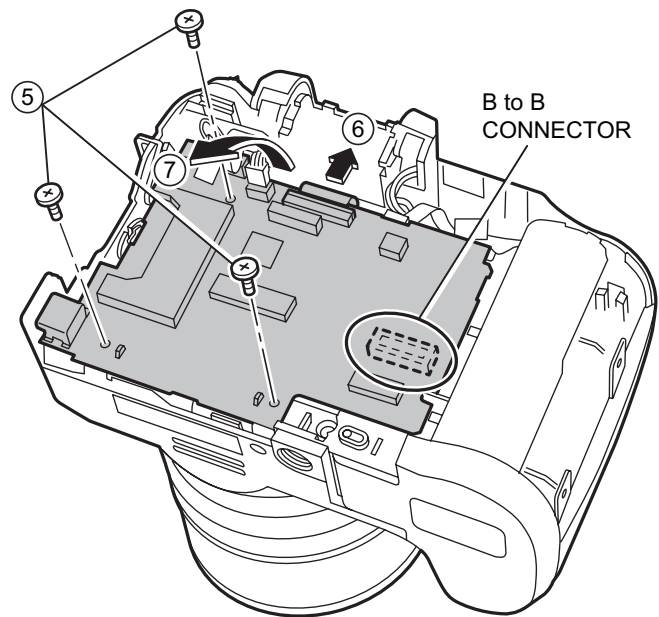


2-4. Removing the MAIN PWB ASSY and ST PWB ASSY

- (1) Disconnect the 4 harness couplings in the direction of the arrows.
- (2) Remove the 3 FPCs in the direction of the arrows.
- (3) Remove the FPC in the direction of the arrow.
- (4) Remove the EVF UNIT in the direction of the arrow.



- (5) Remove the 3 screws (M1.7 x 2.5).
- (6) Unlock connector CN151 and remove the FPC.
- (7) Remove the B to B CONNECTOR and remove the MAIN PWB ASSY in the direction of the arrow.

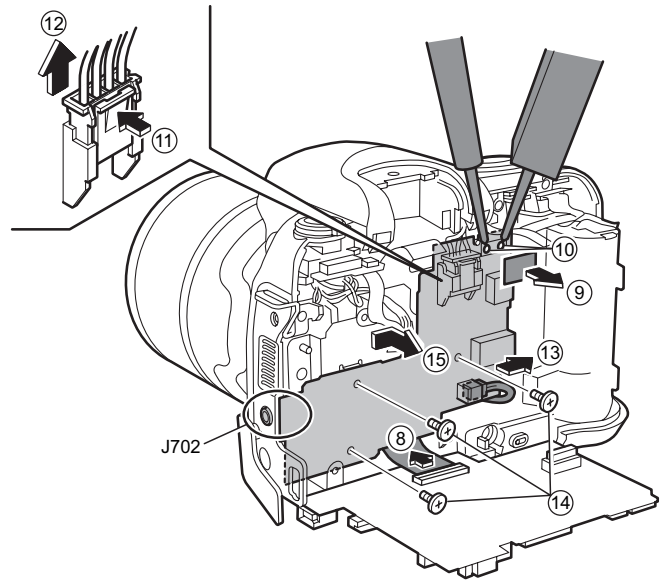


- (8) Unlock connector CN101 and remove the FPC.
- (9) Peel off the TAPE CONDENSER.



Note that touching the main capacitor terminals will cause an electric shock.

- (10) Discharge across the main capacitor terminals.
- (11) Press on the upper part of the CN701 connector catch.
- (12) Remove the connector in the direction of the arrow.
- (13) Remove connector CN701 in the direction of the arrow.
- (14) Remove the 3 screws (M1.7 x 2.5).
- (15) Push the ST PWB ASSY to the right to disengage it from J702 and then pull it outwards to remove it.

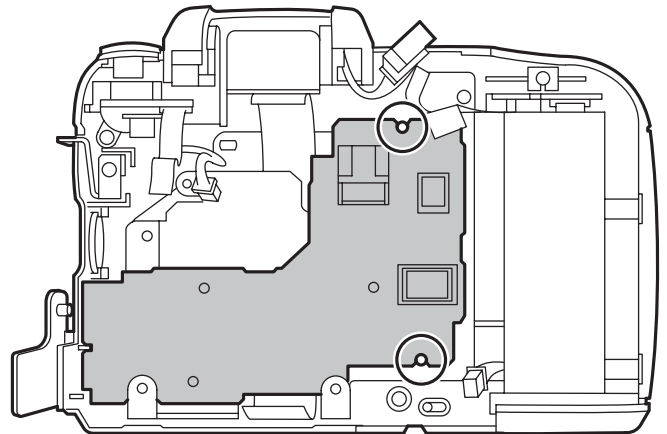


[Assembly]

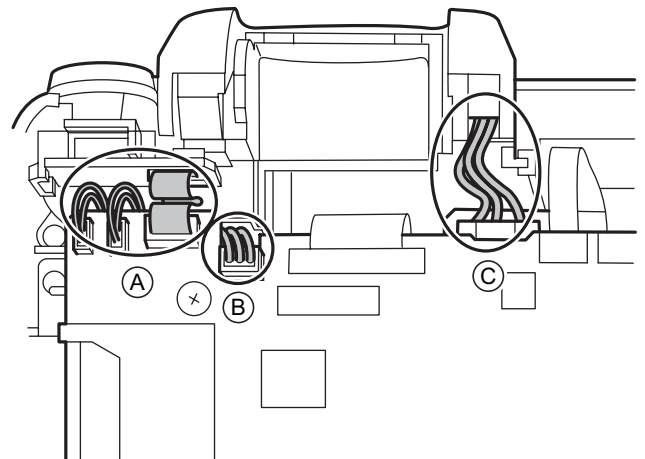
Re-assemble by reversing the disassembly procedure.

[Notes on assembly]

- (1) ST PWB ASSY
Engage the ST PWB ASSY and the CASE F bosses in the correct positions.

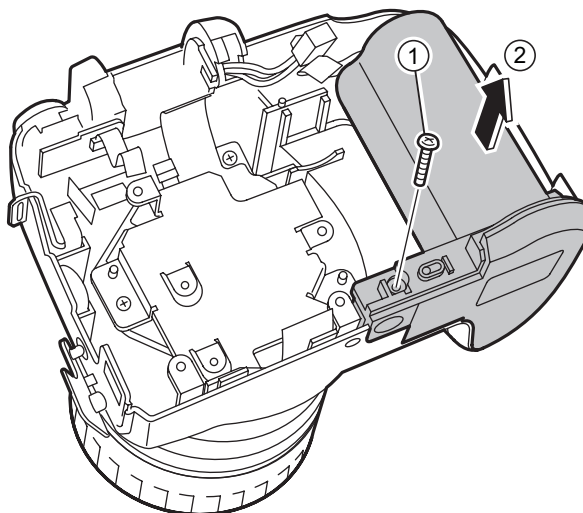


- (2) MAIN PWB ASSY
 - A. Ensure that the wire harnesses for the SPEAKER ASSY and MIC ASSY also run underneath the FSW PWB.
 - B. Align the PLUNGER wire harness with the notch in the PWB and then run it down and to the left.
 - C. Take care to ensure that the FLASH wire harness does not protrude either left or right.



2-5. Removing the HOLDER BATTERY

- (1) Remove the screw (M1.7 x 9.0).
- (2) Remove the HOLDER BATTERY in the direction of the arrow.

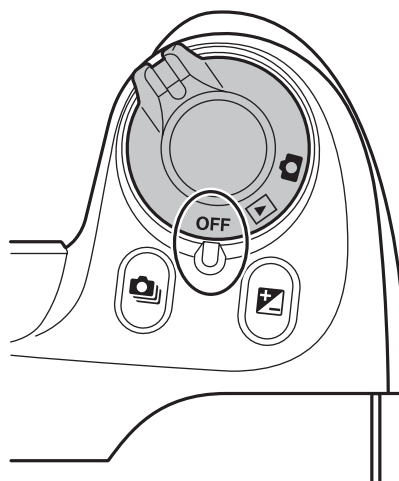


[Assembly]

Re-assemble by reversing the disassembly procedure.

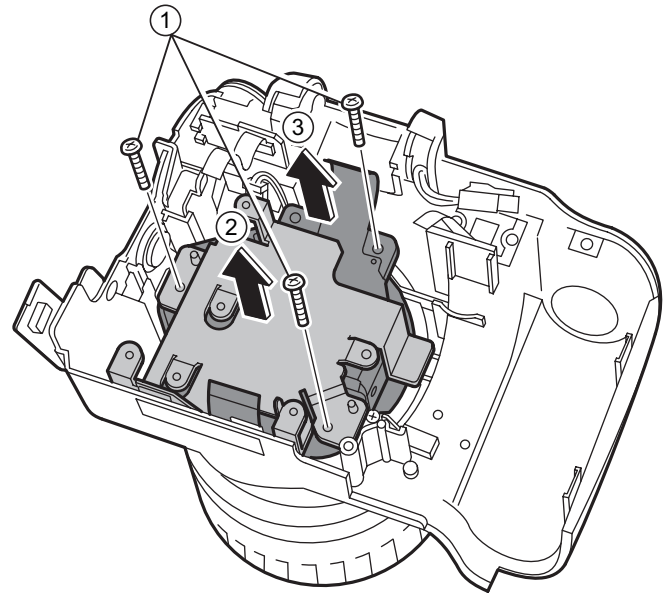
[Notes on assembly]

When assembling the HOLDER BATTERY, ensure that the LEVER RELEASE is set to OFF (to prevent damage to SW902 and SW903).



2-6. Removing the LENS CONST

- (1) Remove the 3 screws (M2.0 x 9.0).
- (2) Remove the FRAME MAIN in the direction of the arrow.
- (3) Remove the LENS CONST in the direction of the arrow.

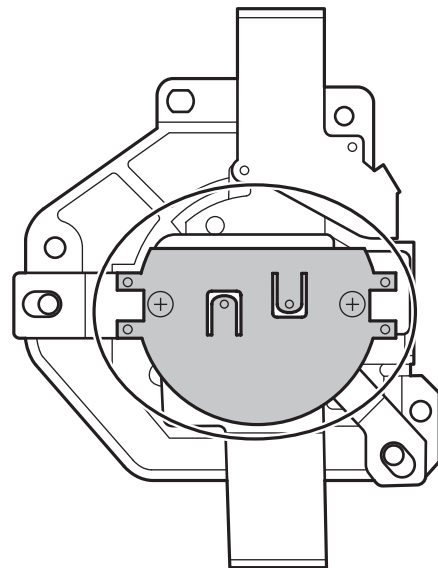


[Assembly]

Re-assemble by reversing the disassembly procedure.

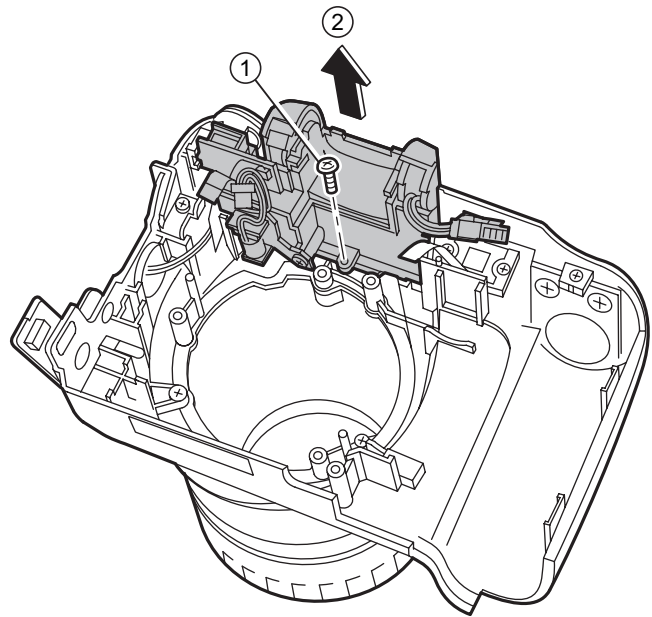
[Notes on assembly]

Take care not to press on the CCD pressure plate.



2-7. Removing the CONST FLASH

- (1) Remove the screw (M1.7 x 4.0).
- (2) Remove the CONST FLASH in the direction of the arrow.

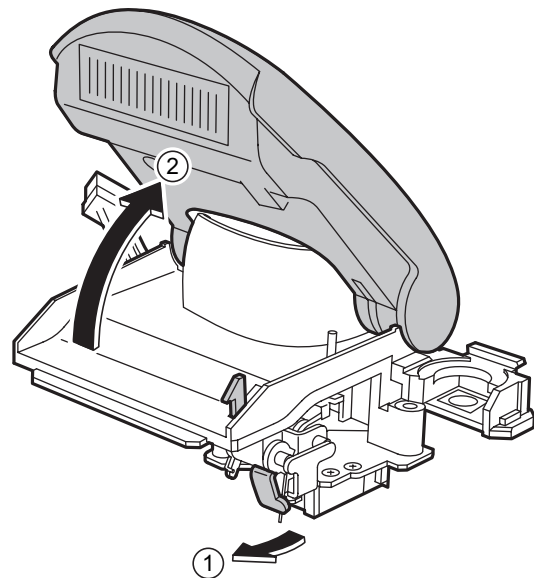


[Assembly]

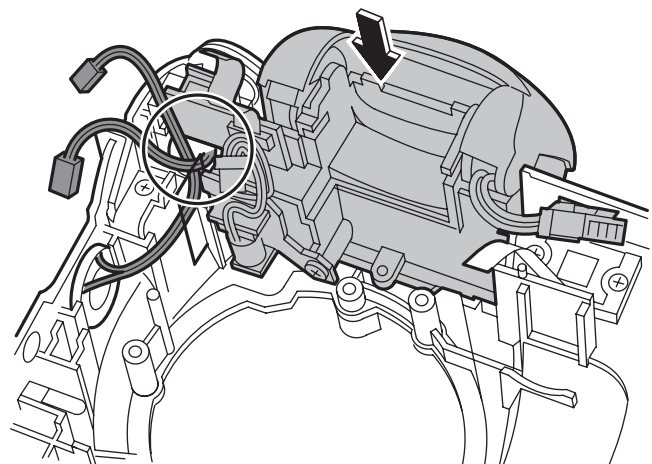
Re-assemble by reversing the disassembly procedure.

[Notes on assembly]

- (1) Push the FLASH CONST lock catch in the direction of the arrow.
- (2) Assemble with the FLASH in the UP position.

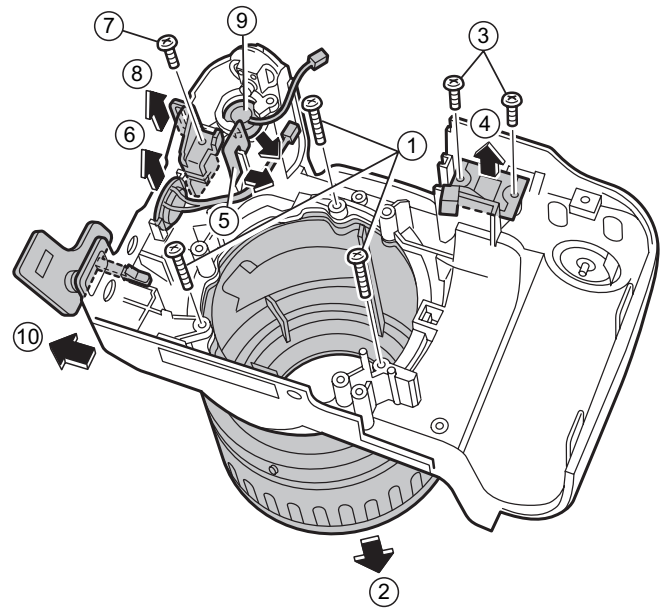


- (3) When fitting the FLASH CONST into the CASE F, take care not to pinch the wire harnesses for the SPEAKER ASSY and MIC ASSY.



2-8. Disassembling the CONST FRONT

- (1) Remove the 3 screws (M2.0 x 9.0).
- (2) Remove the ASSY CASE LENS in the direction of the arrow.
- (3) Remove the 2 screws (M1.7 x 4.0).
- (4) Remove the AF LED in the direction of the arrow.
- (5) Peel off the SHEET PROTECT.
- (6) Remove the SPEAKER ASSY in the direction of the arrow (without pulling on the wire harness).
- (7) Remove the screw (M1.7 x 4.0).
- (8) Remove the STRAP LEFT in the direction of the arrow.
- (9) Remove the MIC ASSY by shifting it through the notch (without pulling on the wire harness).
- (10) Remove the COVER JACK in the direction of the arrow.

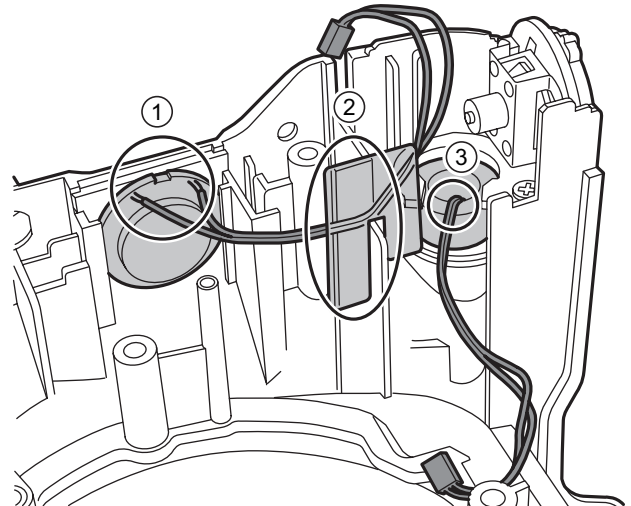


[Assembly]

Re-assemble by reversing the disassembly procedure.

[Notes on assembly]

- (1) The SPEAKER ASSY wire harness should exit from the top.
- (2) Stick the SHEET PROTECT in place aligned with the CABI F rib and run the harness between the rib and the SPEAKER ASSY.
- (3) Run the MIC ASSY wire harness out from the notched section.

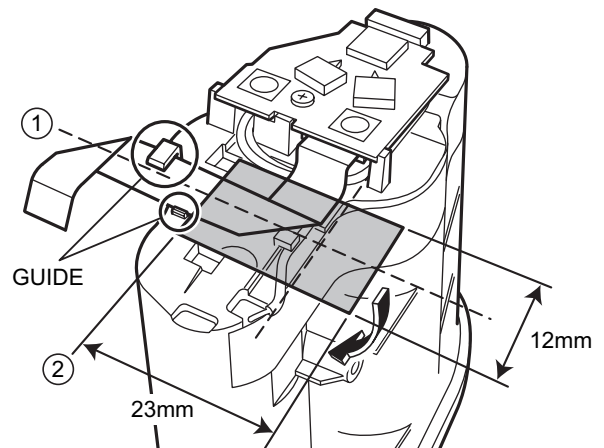


2-9. Adhesion Position Specifications for Sheet Components

Apply K TAPE (ZS00116-100) to the HOLDER BATTERY.

Tape size: 12 x 23 mm

- (1) Apply the tape equally top and bottom using the center of the FFC as a reference point.
- (2) Use the positioning guides as starting points when applying the tape to the right.



MEMO

3. Schematics

3-1. 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.
- $K\Omega = 1000\Omega$, $M\Omega = 1000K\Omega$
- B characteristics of variable resistors and semi-fixed resistors are not displayed.

3-2. Basic Block Names and Functions

Part name	Block name	Function
LENS CONST	CCD FPC BLOCK	CCD Output (IC1)
MAIN PWB ASSY	CAMERA BLOCK	CCD Output A/D Conversion (IC104)
	MOTOR BLOCK	Shutter/iris/zoom Drive (IC151)
	AUDIO BLOCK	Audio IN/OUT (IC281)
	LCD/EVF BLOCK	LCD/EVF Control (IC451), Back Light Control
	PMAN BLOCK	Power Control, LED Driver, Flash Charge Control (IC401)
	DCDC BLOCK	Power Supply Generation (IC301), Power Control
	PROCESS BLOCK	Image Signal Processing, USB Communications, System Control (IC204)
	KEY BLOCK	Key SW, Focus, Connection with the Release SW
	AF LED BLOCK	AF LED Control (IC501)
	FLASH PLUNGER BLOCK	Plunger Drive
	CN BLOCK	Connection with the ST PWB
	MEDIA BLOCK	Connection with the xD-card
	USB BLOCK	Connection with the USB
ST PWB ASSY	STJACK BLOCK	Flash Charge
FSW PWB ASSY	FSW BLOCK	AF Switch SW, Flash pop up Detection
RSW PWB ASSY	RSW BLOCK	Release SW, Power SW
KSW PWB ASSY	KSW BLOCK	Key Switch
MSW PWB ASSY	MSW BLOCK	Mode Switch
BL FPC ASSY	BL FPC BLOCK	LCD Back light
CONST AF LED	LED FPC BLOCK	AF Assist LED

3-3. Description of Main Block Functions

3-3-1. Technical Overview

The FinePix S5200/S5600 features the newly developed 5th-Generation Super CCD HR image sensor combines higher sensitivity with the advanced noise suppression capabilities of the new RP Processor to fully exploit the image quality and resolution of 5.1 effective megapixels. Even photos taken in typically noisy situations such as twilight and under other low-light conditions retain the subtle tonality you saw with your own eyes.

The newly developed Fujinon 10x optical zoom lens offers a focal range equivalent to a 38-380mm zoom on a 35mm camera. This lens employs 11 elements in 8 groups, including two aspherical elements and two AD (Anomalous Dispersion) elements, yielding unparalleled optical quality throughout the entire zoom range.

CCD signal processing/Camera circuit section

- Analog signals output from the 1/12.5 type Super-CCD Honeycom V HR (IC1), with an effective pixel count of 5.1 megapixels, undergo false color compensation processing, adaptive interpolation processing, amplification (AGC) and signal mixing inside the CCD signal processing IC "BCS (IC104)" before being converted to 14-bit digital signals (A/D) and sent to the signal processing LSI "YCS (IC204)".
- The vertical drive IC (IC102) for driving the CCD and the OFD voltage control IC (IC101) are in this block.

Motor Circuit Section

- The signal processing LSI "YCS (IC204)" that has received various operating switch commands manages the motor drive IC (IC151) and controls the AF, ZOOM, SHUTTER and IRIS motors.

Imaging and Signal Processing Section

- Input data from the CCD
14-bit digital image data (corresponding to 1H) that has been output from the imaging section (CCD/Camera Block) is sent to the signal processing LSI "YCS (IC204)", converted to 32-bit (16-bit x 2) data by the [internal buffer] inside this LSI, and the image data for one frame (2592 x 1944 pix) is stored temporarily in [SD-RAM]. It is also integrated in the [AUTO operation section] using the 32-bit the signal processing LSI "YCS (IC204)" image data and sent to the BCS_IC (IC104) to obtain the appropriate AE/AF/AWB.
- Record processing to xD Card
Image data stored in SD-DRAM is sent one frame at a time to the internal [signal processing section] in the signal processing LSI "YCS (IC204)". In a process called unpacking, "32-bit to 12-bit conversion" and "pre-processing including digital clamp, white balance and noise reduction processing, linear matrix processing, gamma correction and R/G/B 14-bit to R/G/B 8-bit conversion" to "8-bit digital R/G/B signals to Y:Cb:Cr = 4:2:2 YC processing" are implemented in this [signal processing section] and 8-bit Y/Cb/Cr image data are sent to the [internal buffer].
The "rearrangement of data in a format in which 8-bit Y/Cb/Cr signals are easily compressed" is done in the [internal buffer] and after passing through the [JPEG operation block] to the [media controller], they are recorded on the xD card.
- Reproduction of images from xD card
Compressed image data from the xD card is sent as 8-bit image data to the signal processing LSI "YCS (IC204)" then it is sent to the [media control section], the [DMA unit] and the SD-DRAM and then it is sent to the [media controller], to the [JPEG operation section] and to the [signal processing section].
In the [signal processing section], 8-bit Y/Cb/Cr signals are converted to 8-bit R/G/B signals and at the same time, lettering display signals are weighted and passed through the [LCD controller (IC451)] to the LCD unit and displayed.
- Image capture system adjustment data are stored in the Flash ROM.

LCD Unit

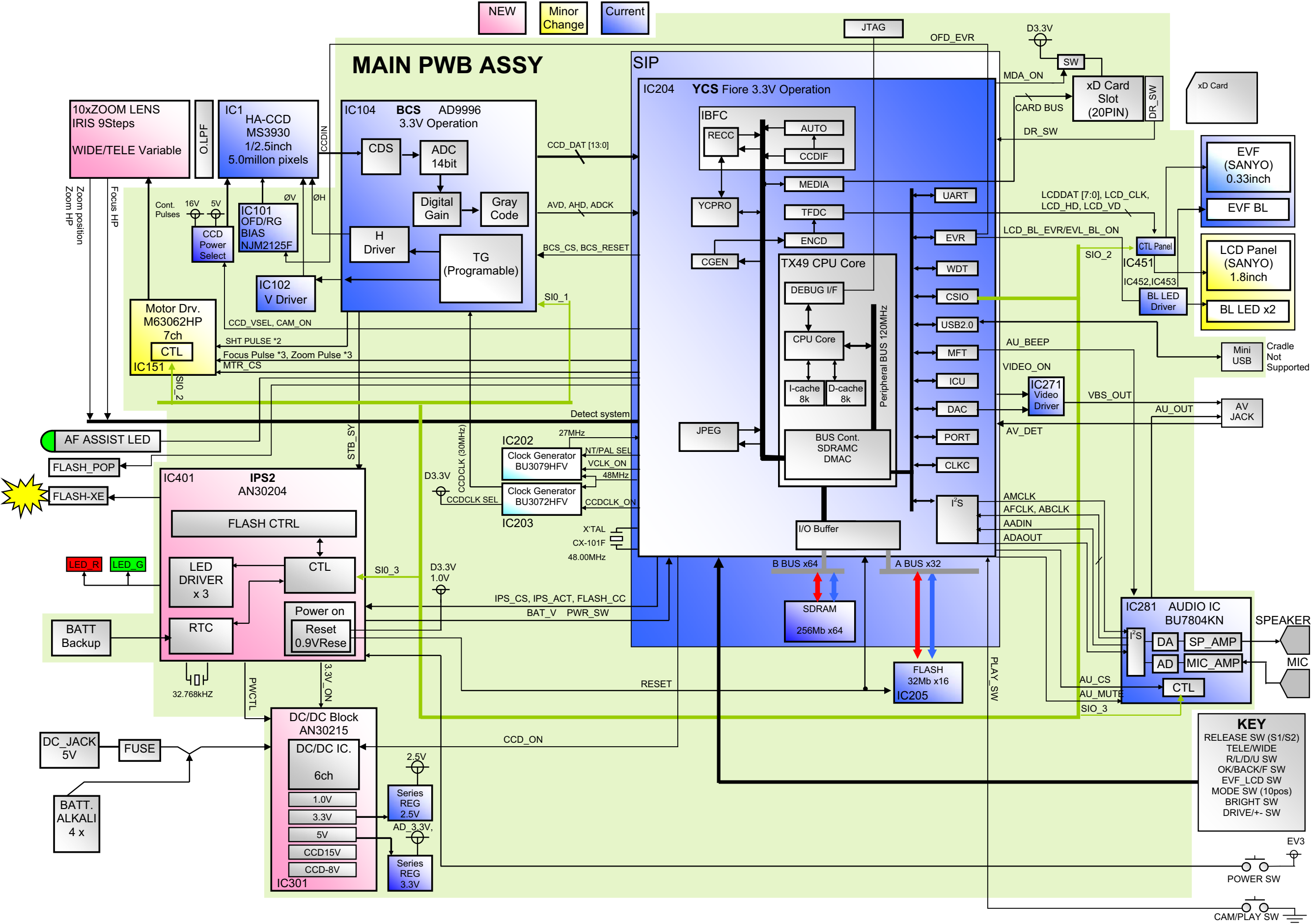
- Digital signals sent from the signal processing LSI "YCS (IC204)" are passed through the [LCD controller (IC451)] to the LCD unit.

Power Supply Section

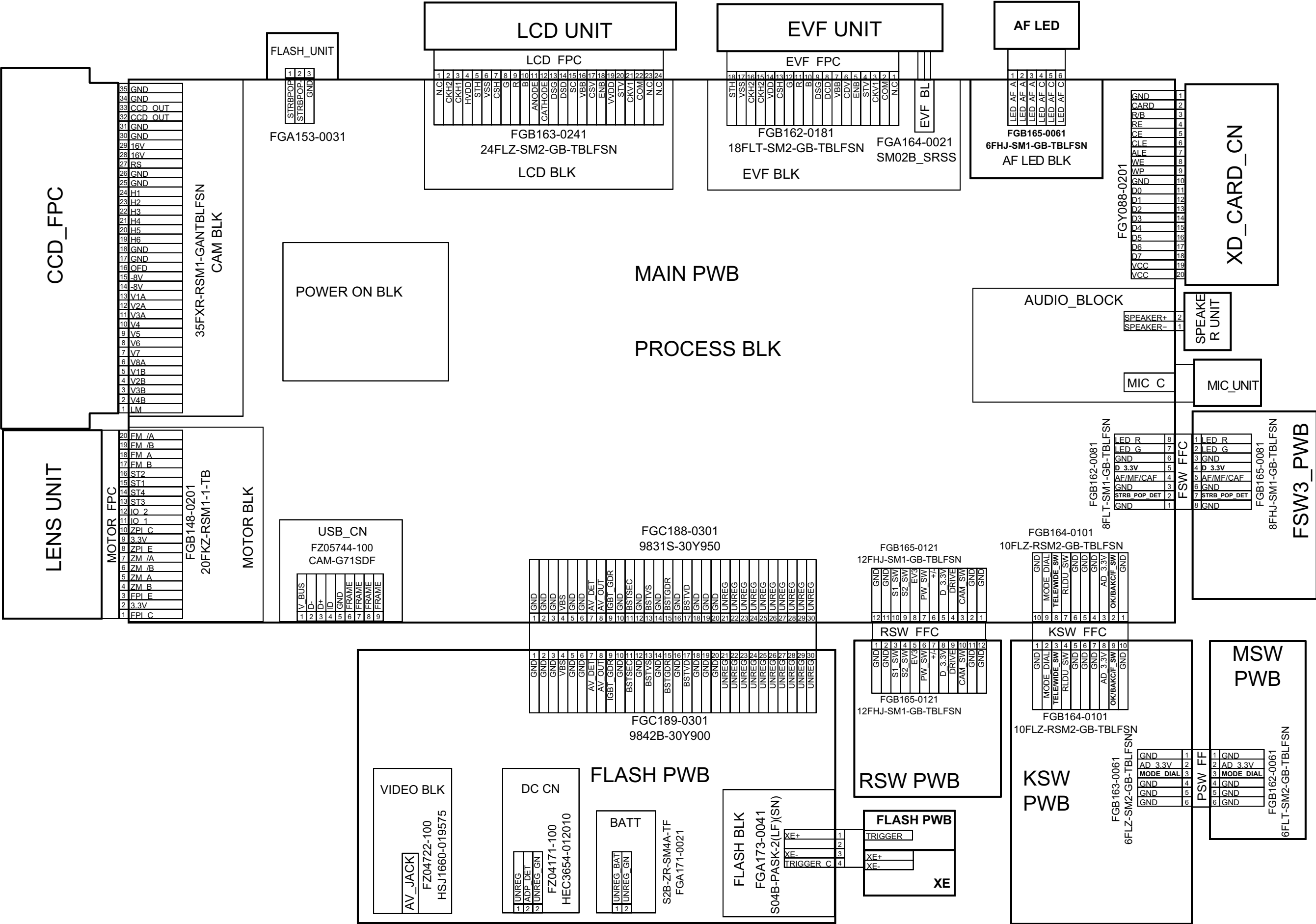
- Power supply circuits constructed in the core of the DC IC (IC301) create the following power supplies, which are supplied to each block.

3.3V	[IC202 (PROCESS BLOCK)]
D_3.3V	[IC204 (YCS), IC401 (IPS2), IC151 (MOTOR BLOCK)]
AD_3.3V	[IC204 (YCS), IC271 (VIDEO Drv), TOP FPC, KEY BLOCK]
AU_3.3V	[IC281 (AUDIO)]
CAM3.3V	[IC102 (V_Drv), IC104 (BCS)]
xD_3.3V	[CN261 (xD CARD CONNECTOR)]
D_5V	[IC102 (V_Drv), IC401 (IPS2), LCD/EVF BLOCK]
BL_5V	[LCD/EVF BLOCK]
MOT_5V	[IC302, IC303 (MOTOR BLOCK)]
CCD_-8V	[IC1 (CCD), IC102 (V_Drv)]
CCD_15V	[IC1 (CCD), IC102 (V_Drv), IC101 (OFD_Drv)]
1.0V	[IC204 (YCS), IC401 (IPS2)]
2.5V	[IC204 (YCS)]
D_2.5V	[IC204 (YCS)]
LCD_8.5V	[LCD/EVF BLOCK]

3-4. Block Diagram



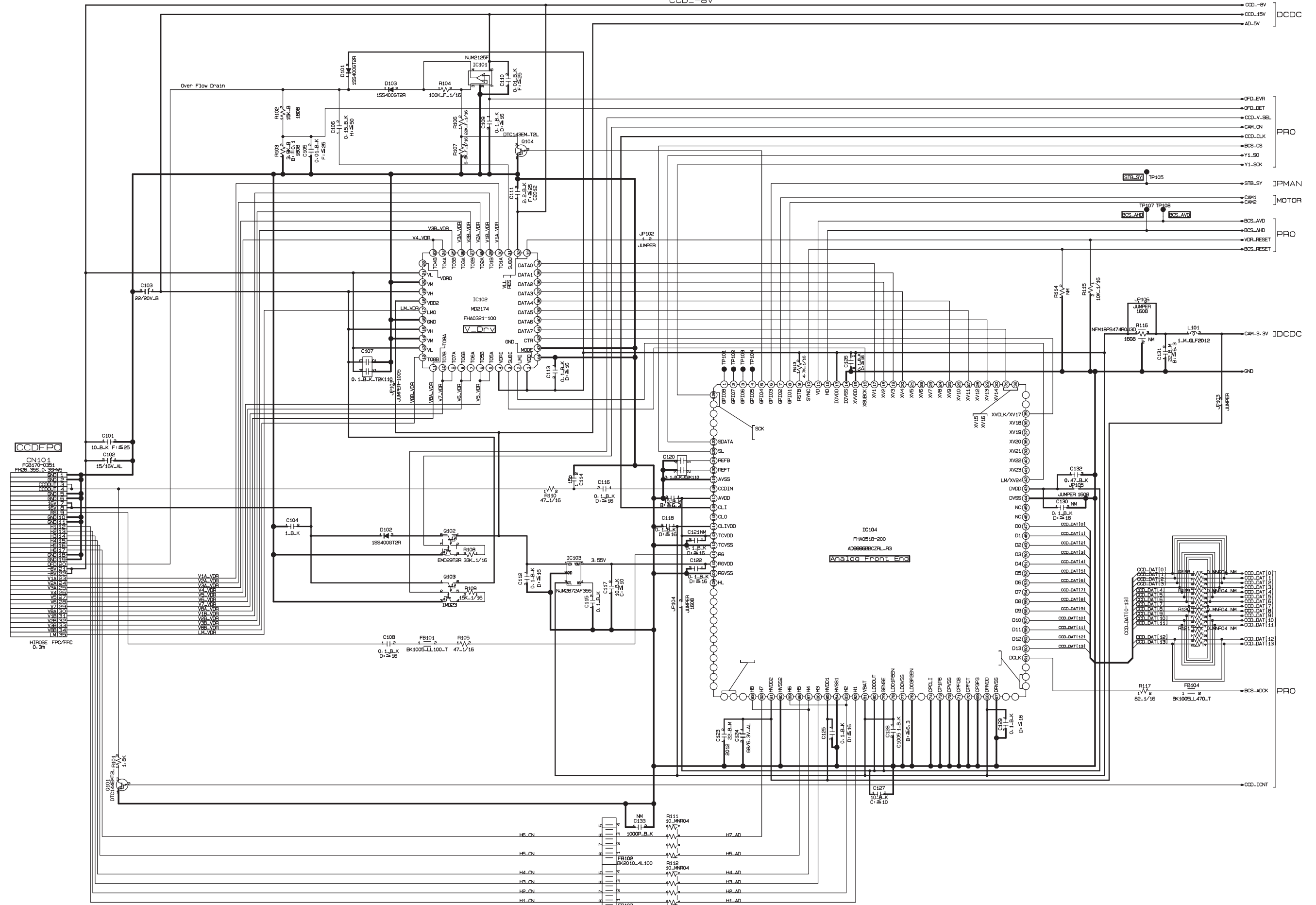
3-5. Overall connection Diagram



3-6-1. CAMERA BLOCK

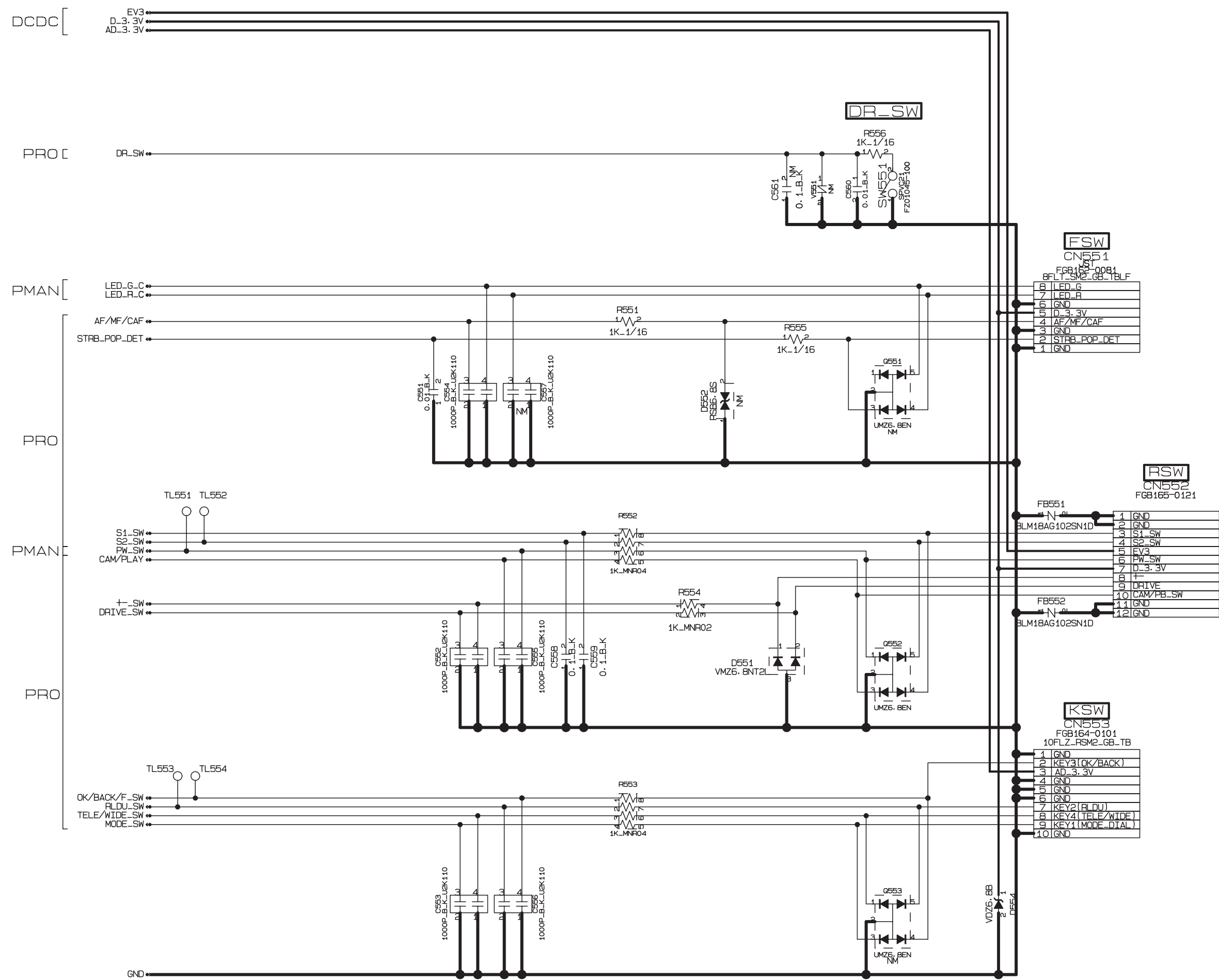
CCD_-8V
CCD_-15V

DCDC

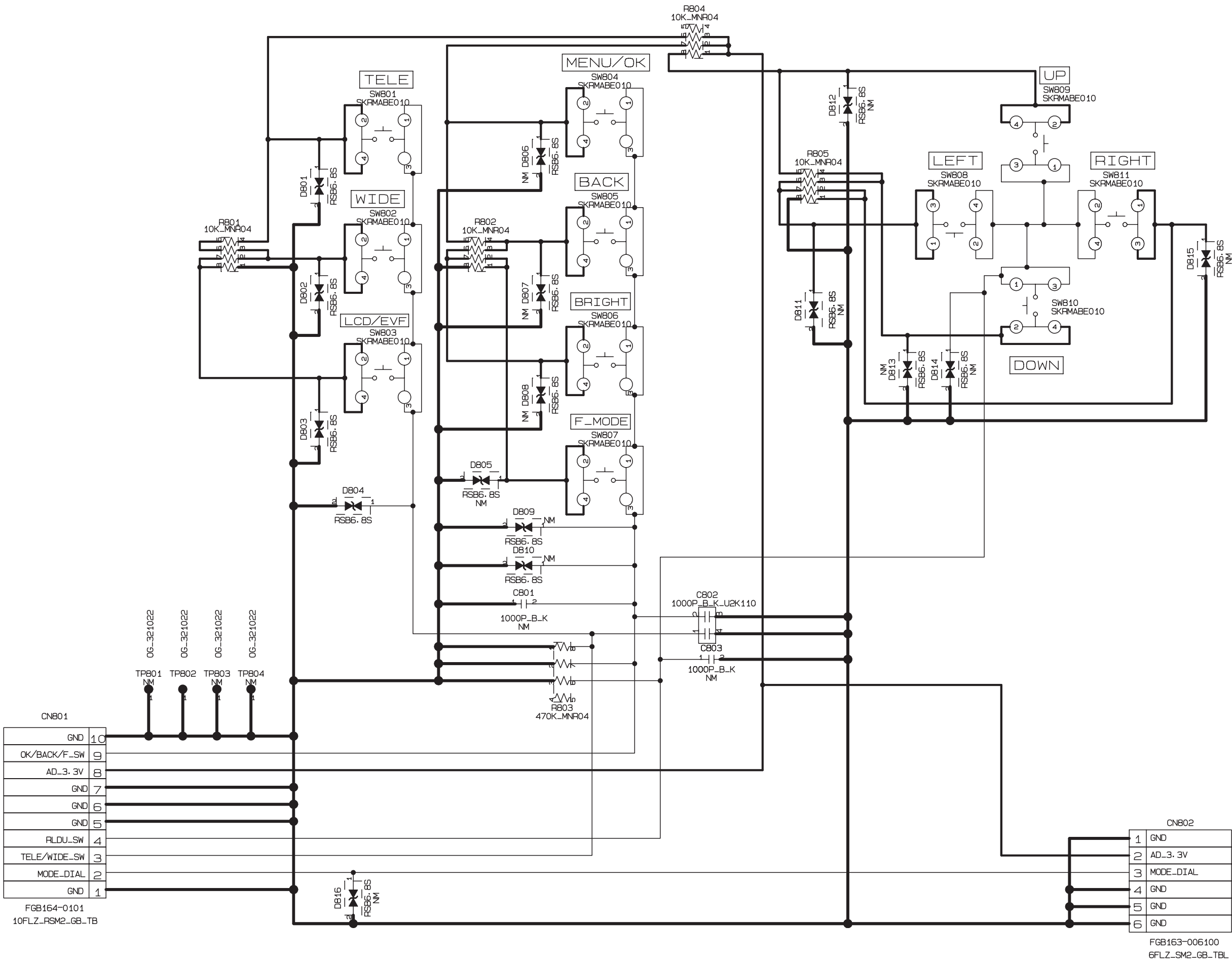


FinePix S5200/S5600 Service Manual

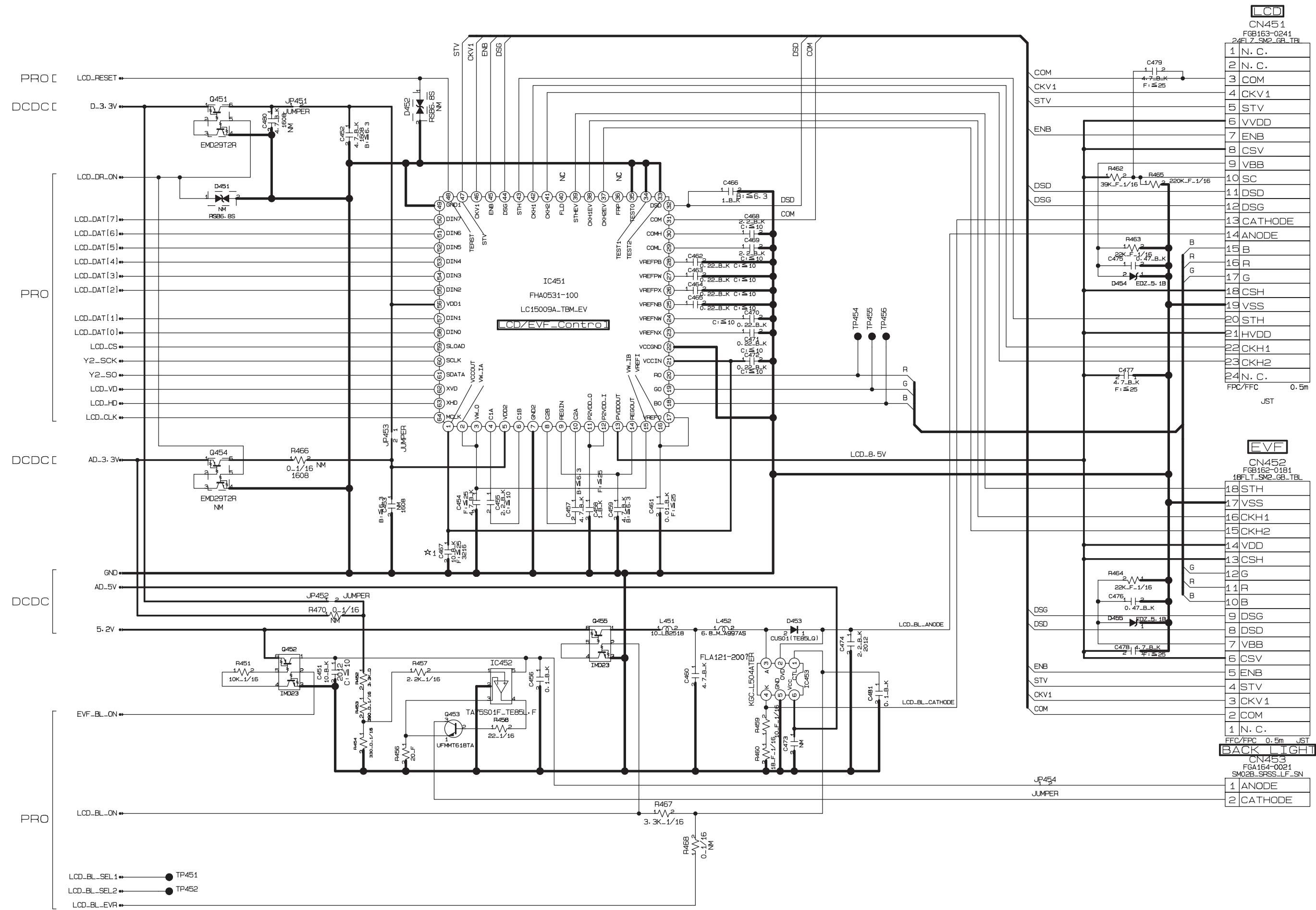
3-6-3. KEY BLOCK



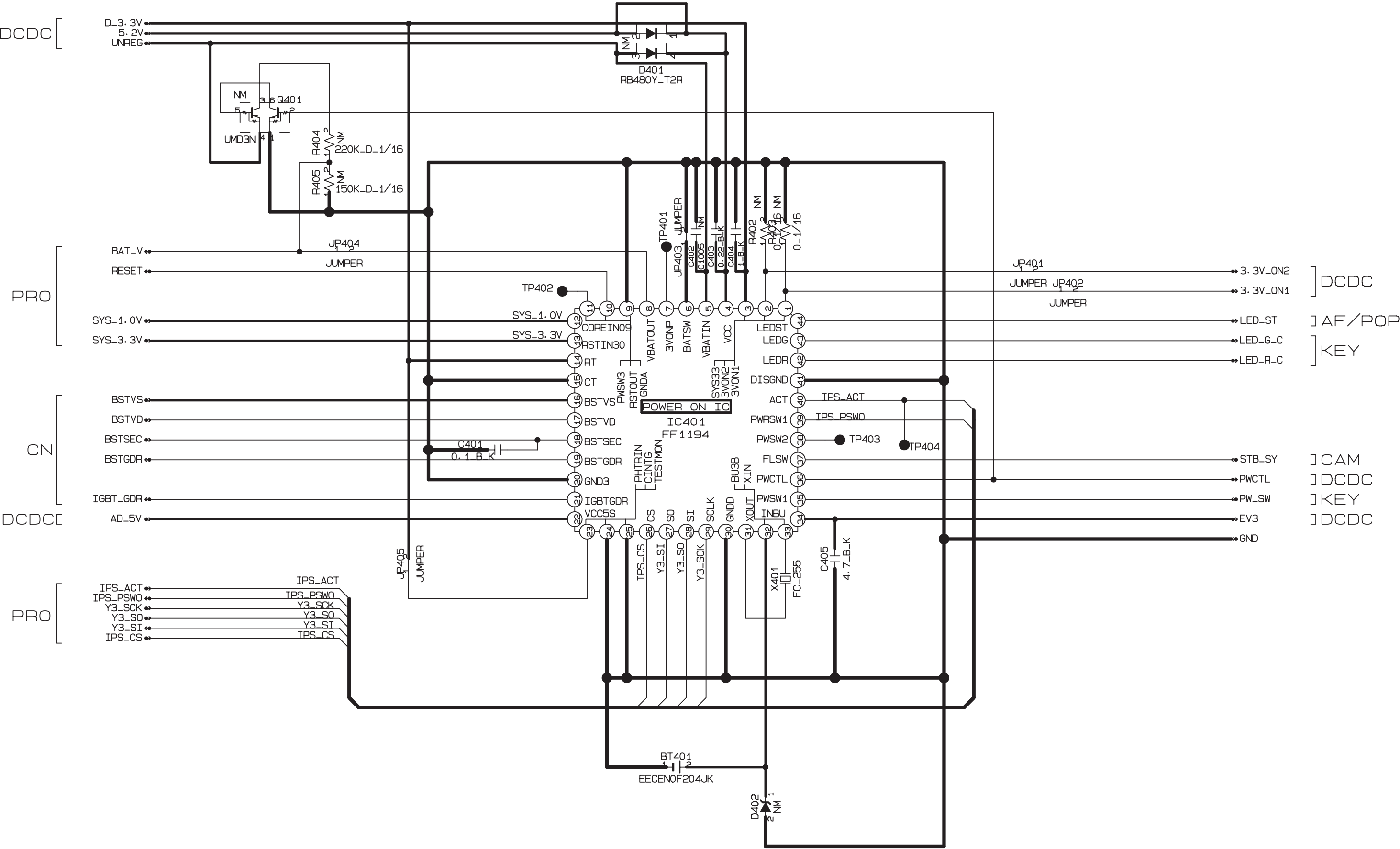
3-6-4. KSW BLOCK



3-6-5. LCD/EVF BLOCK

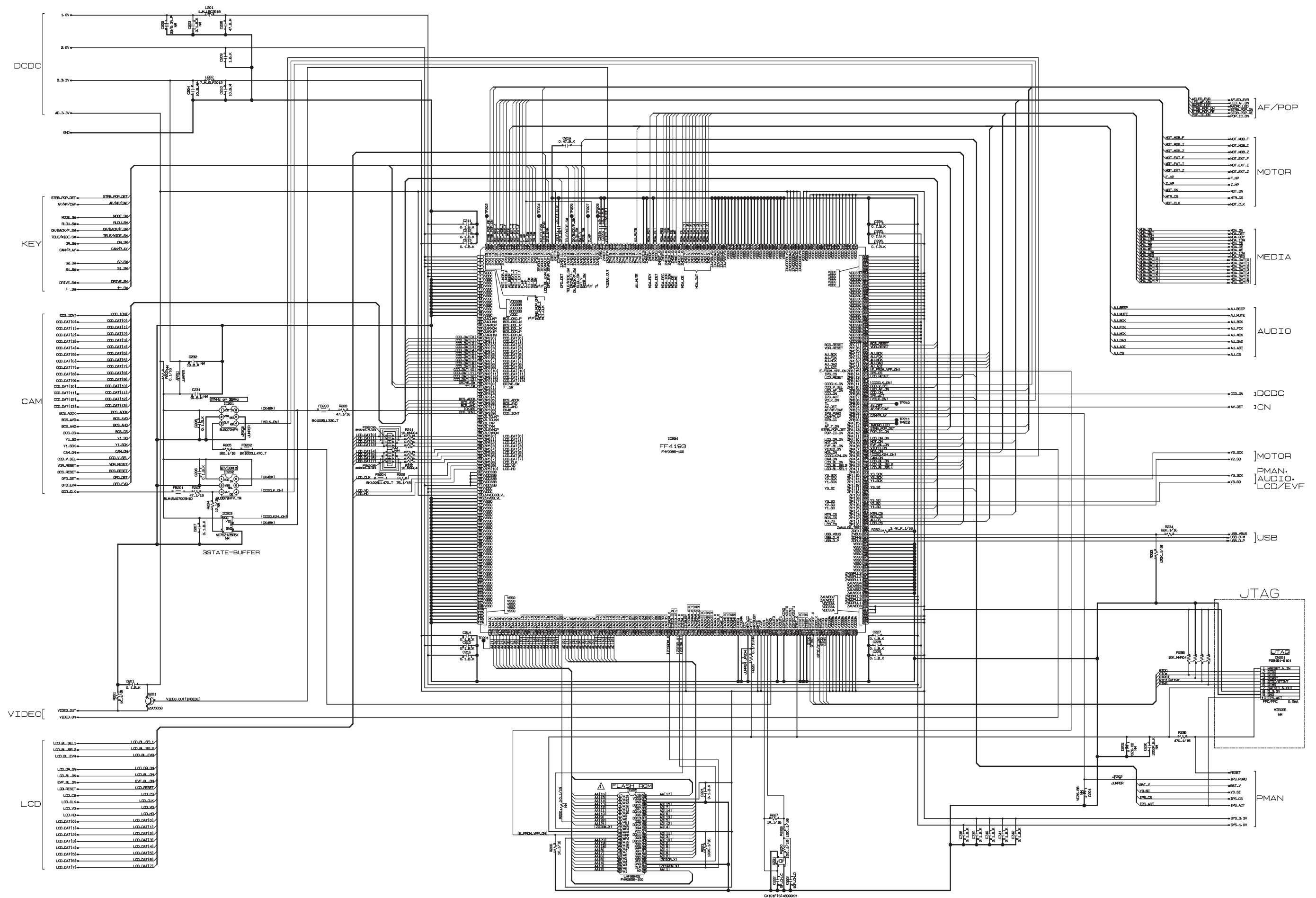


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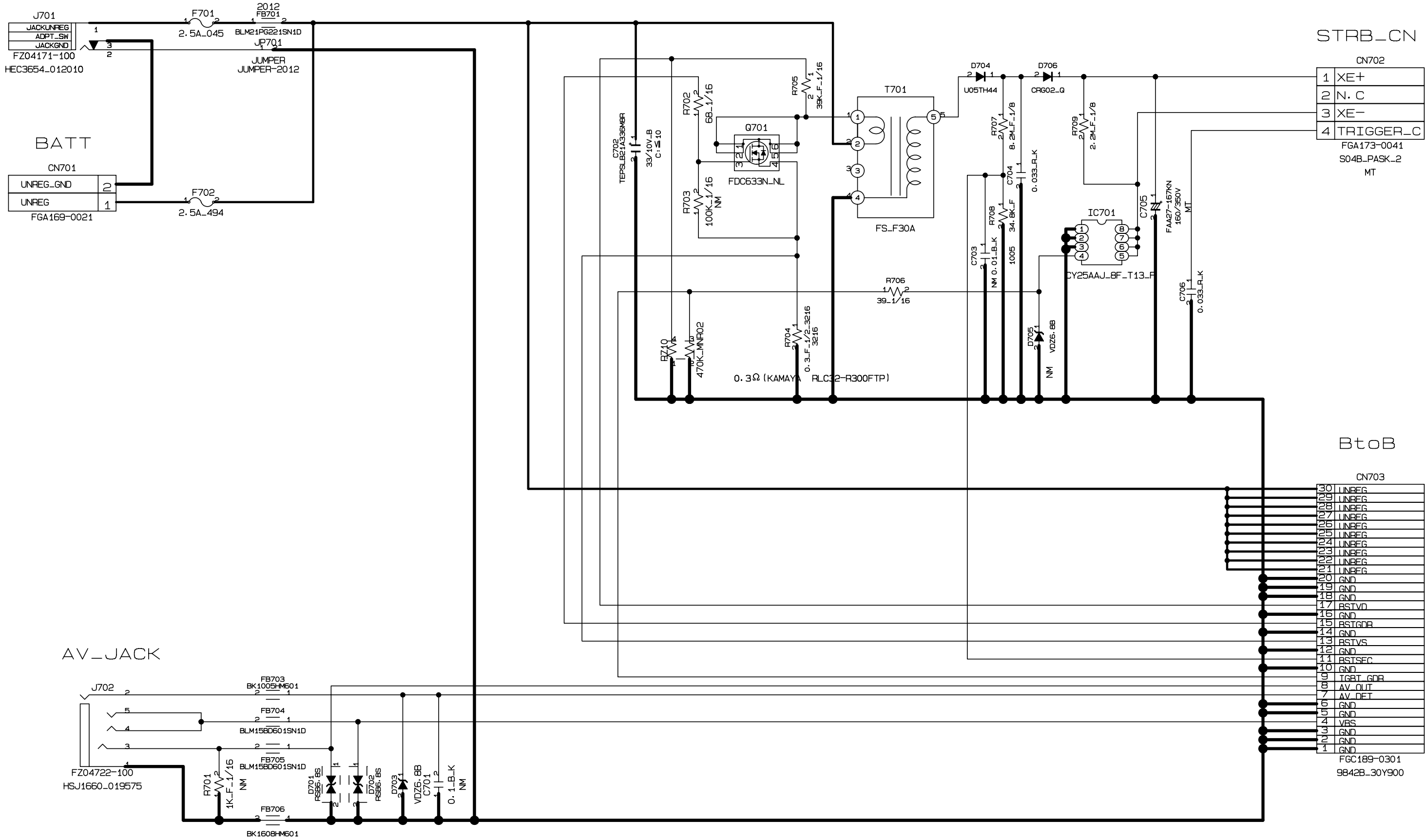


3. Schematics

3-6-8. PROCESS BLOCK

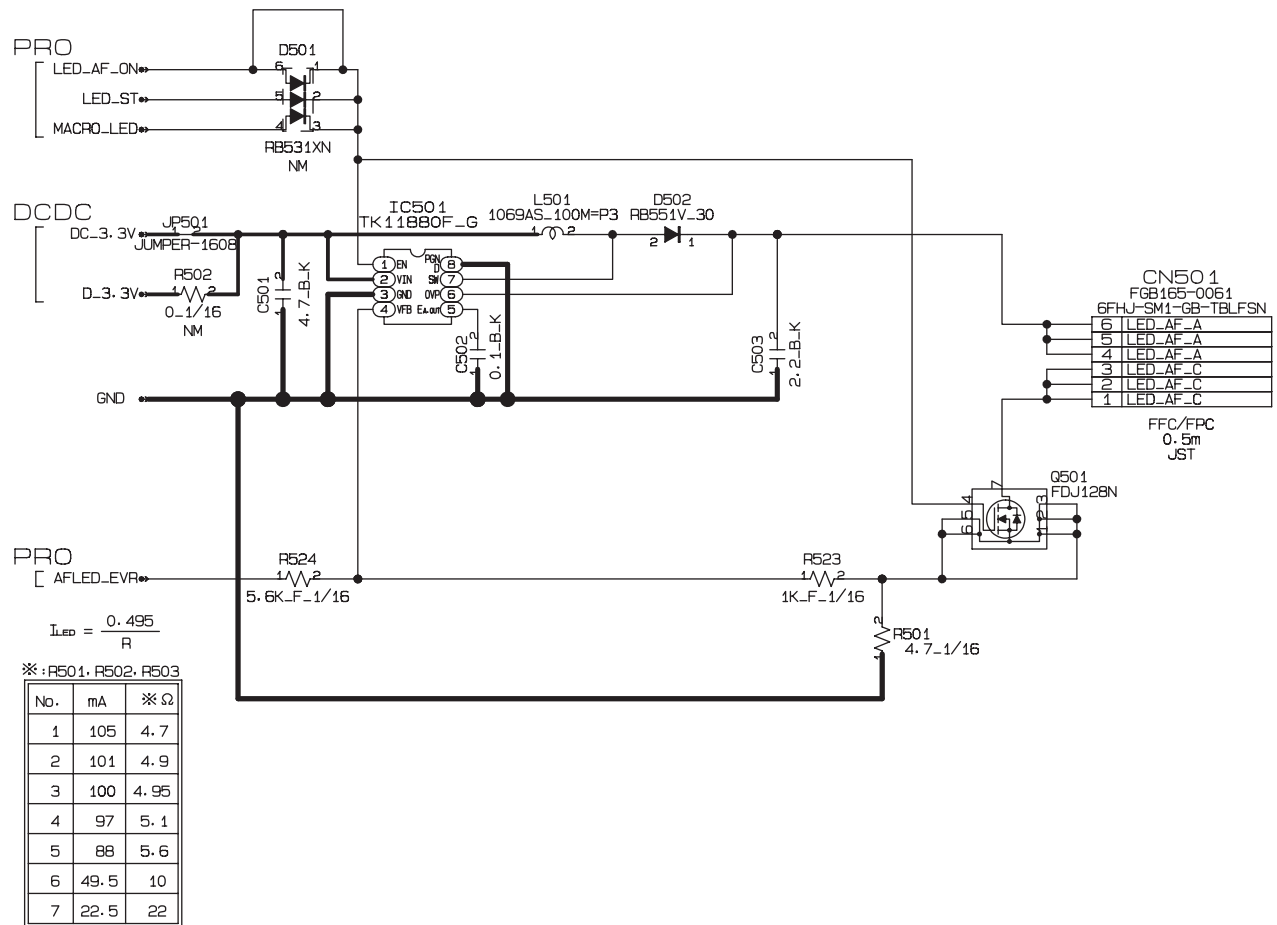


DC_JACK

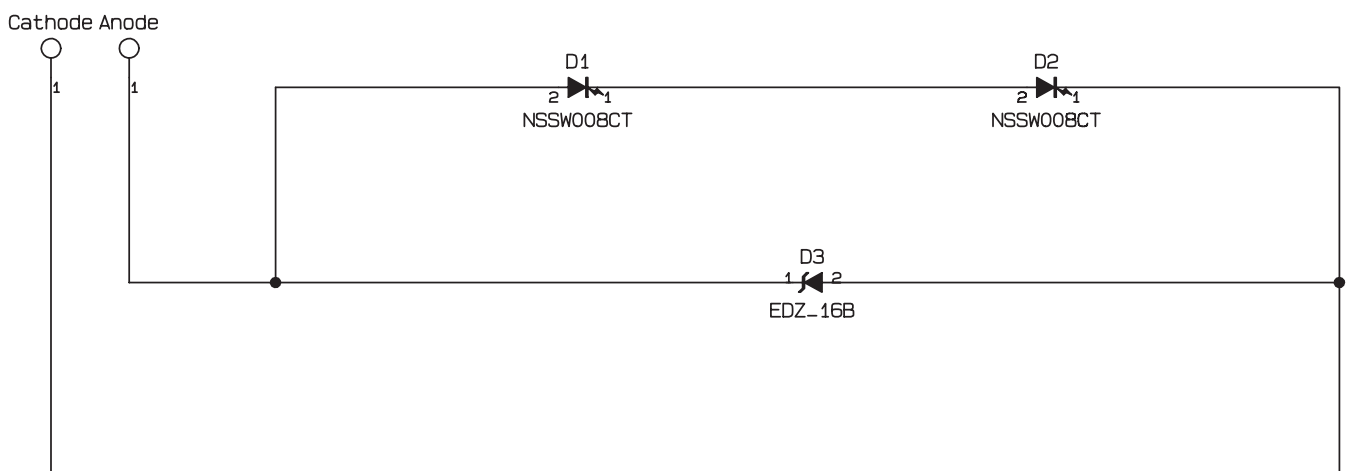


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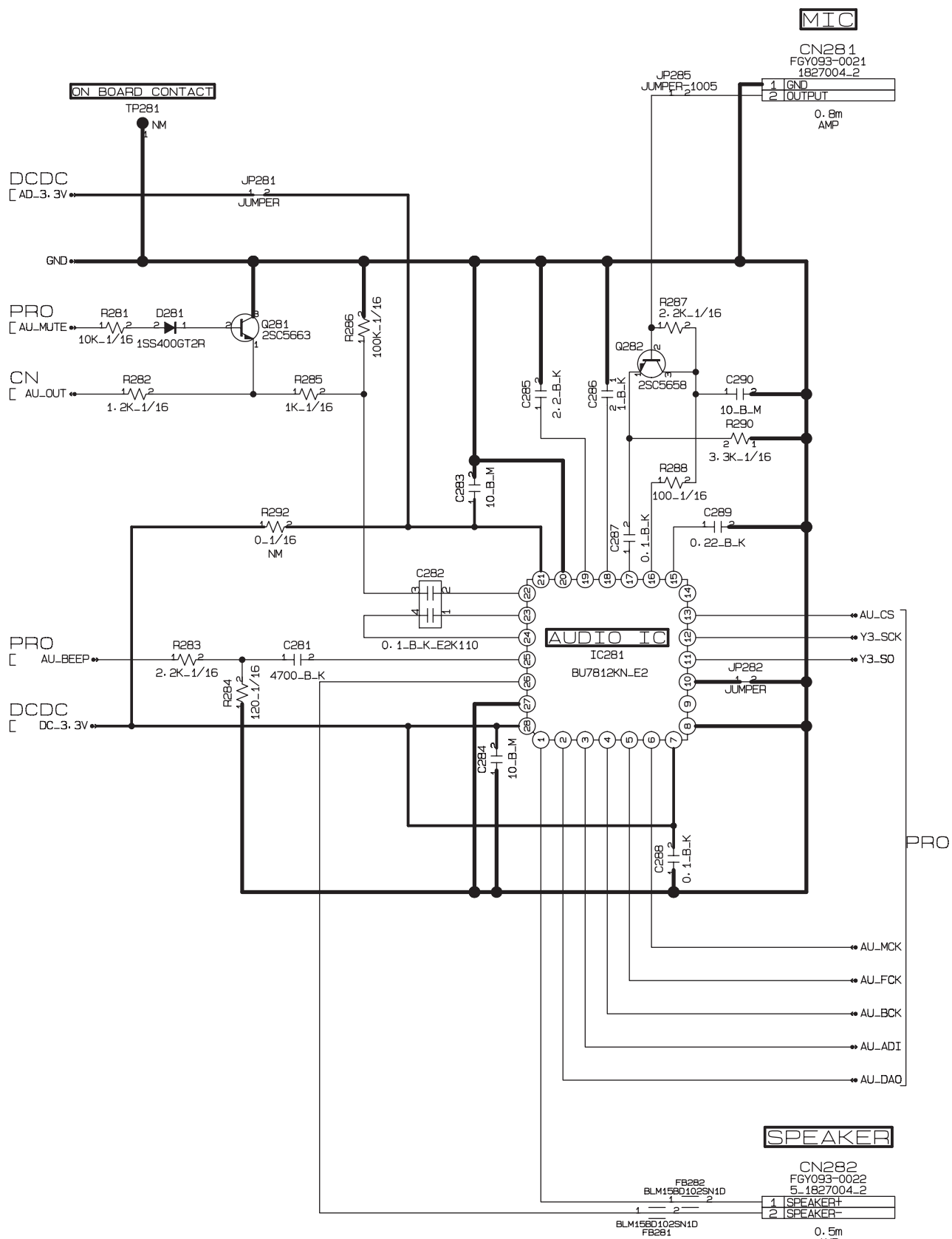
3-6-10. AF LED BLOCK



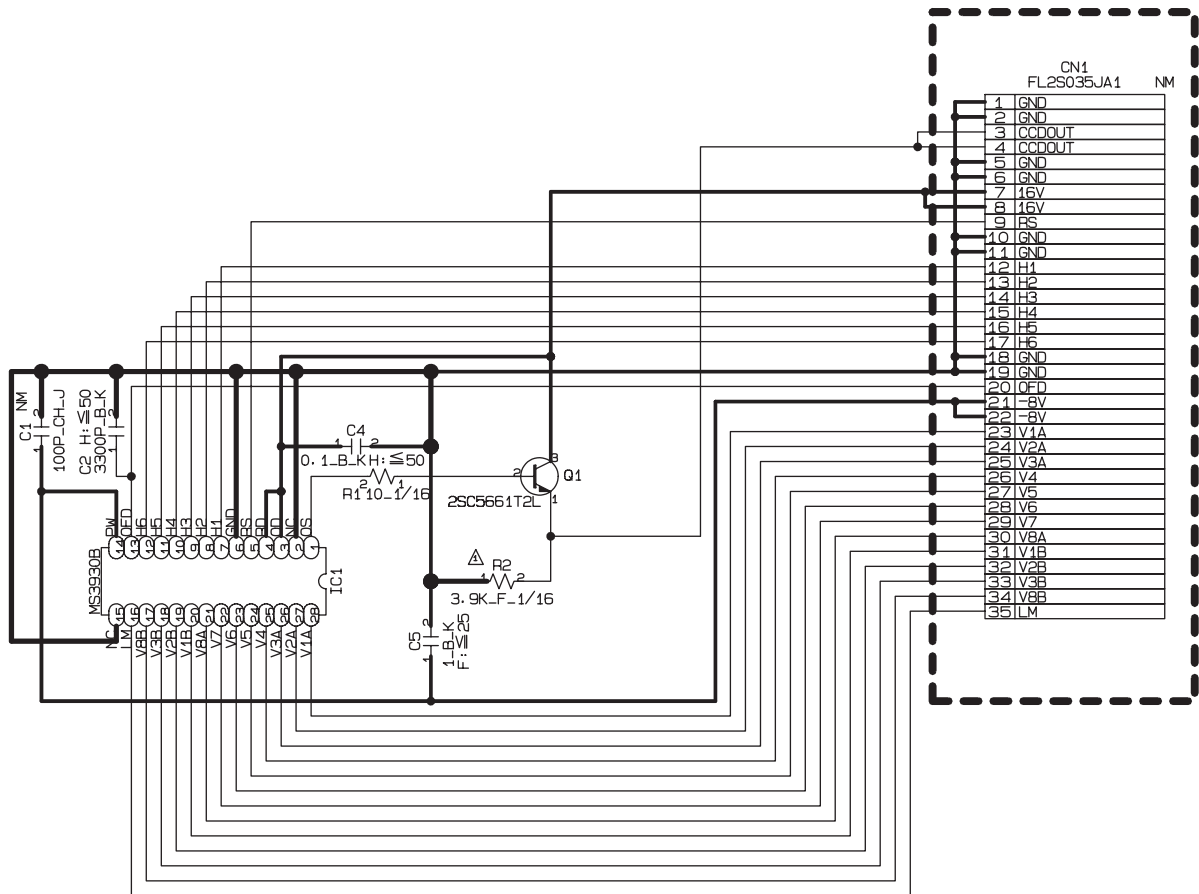
3-6-11. BL FPC BLOCK



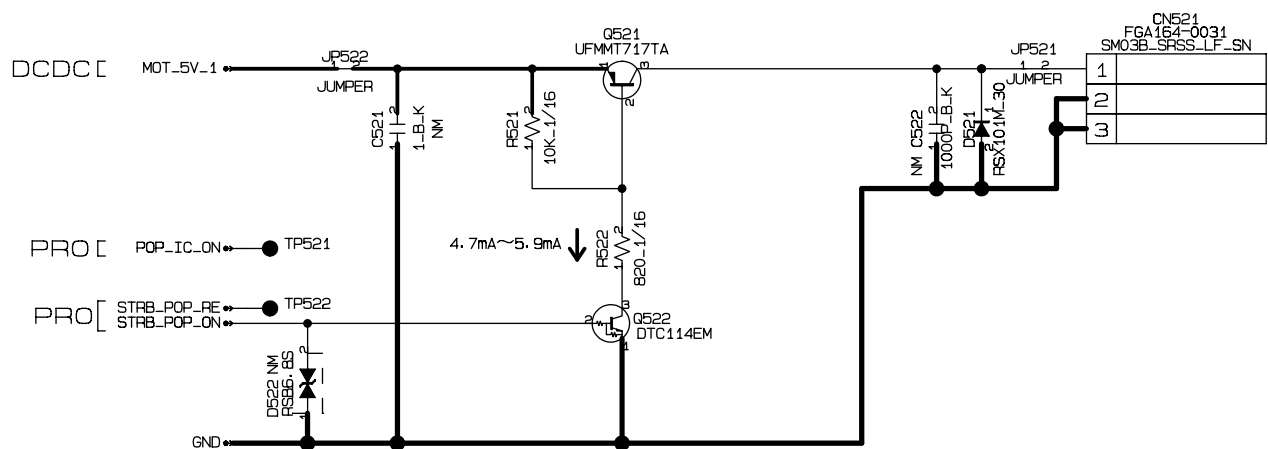
3-6-12. AUDIO BLOCK



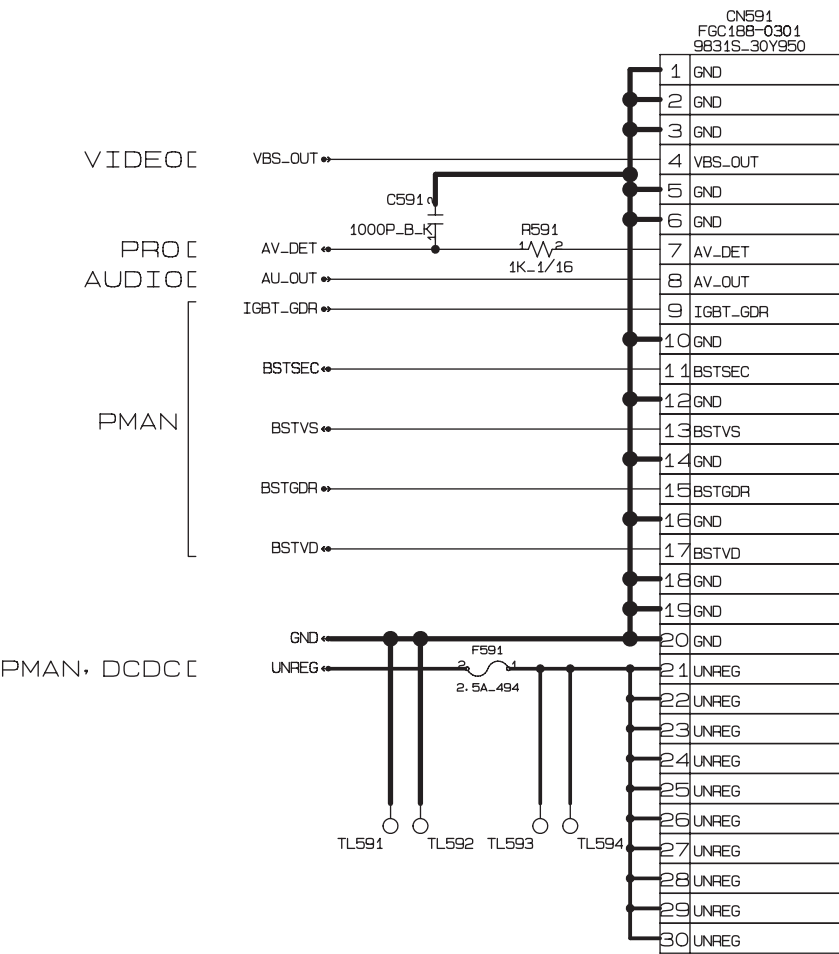
3-6-13. CCD FPC BLOCK



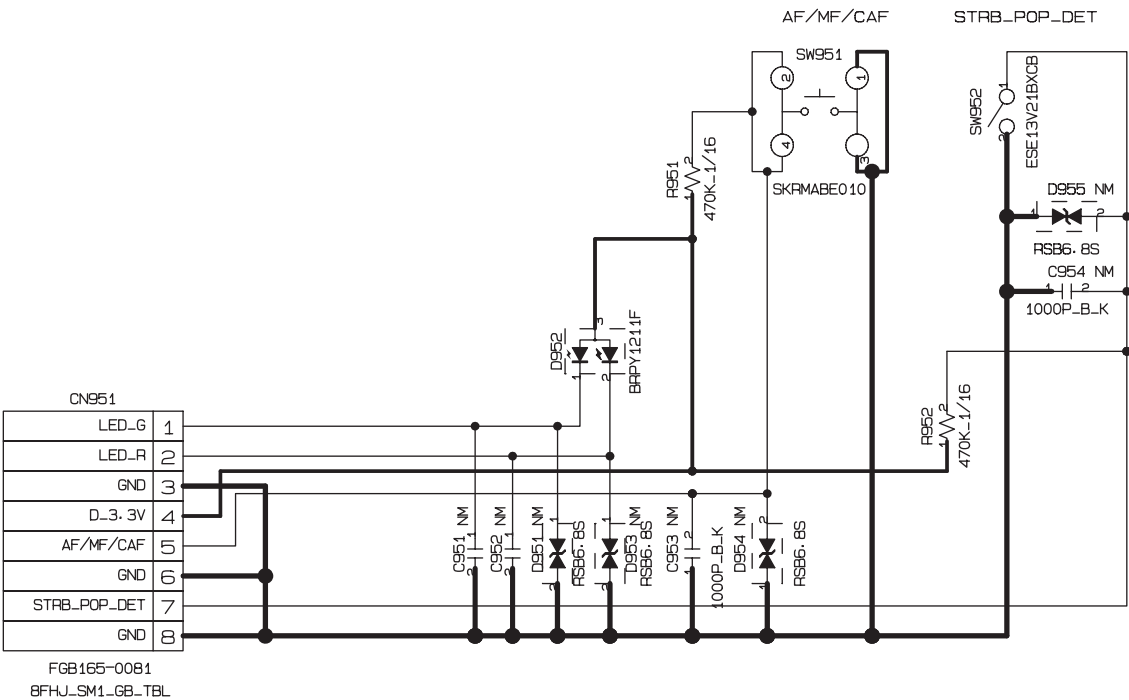
3-6-14. FLASH PLUNGER BLOCK



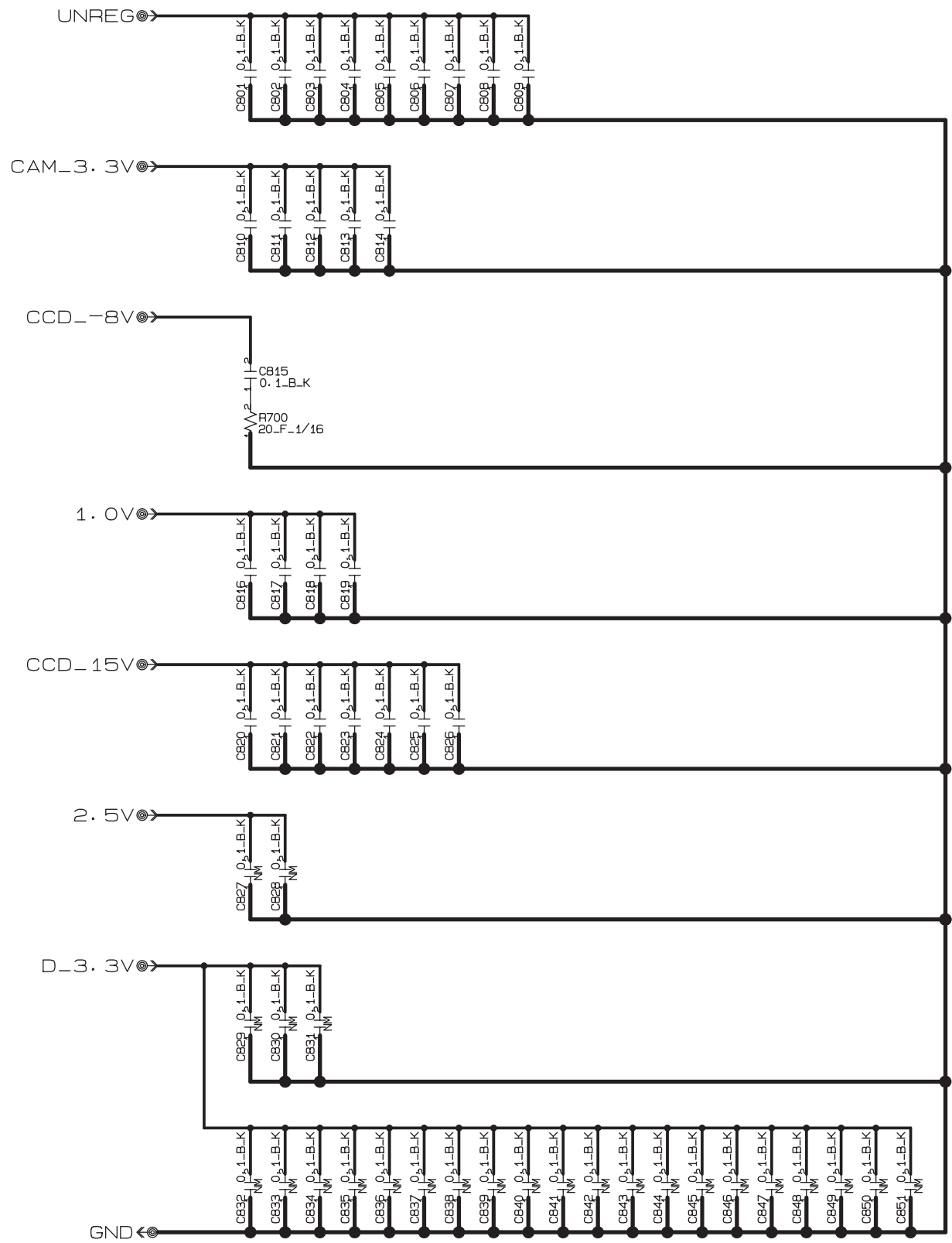
3-6-15. CN BLOCK



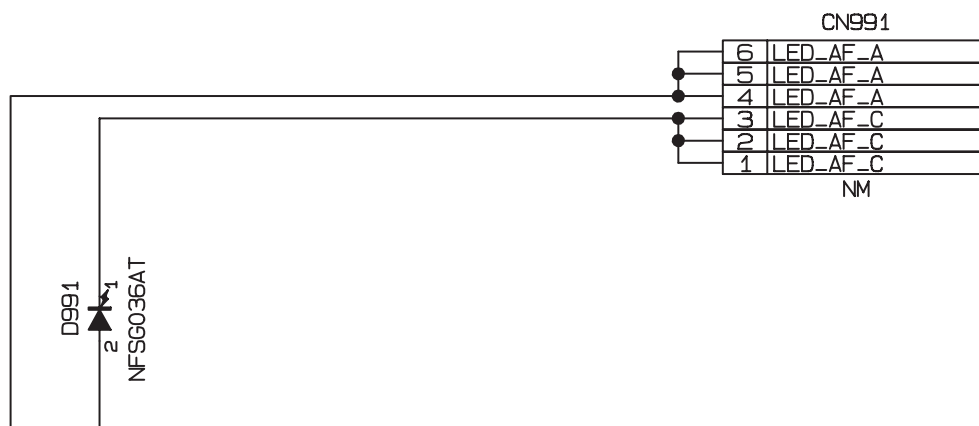
3-6-16. FSW BLOCK



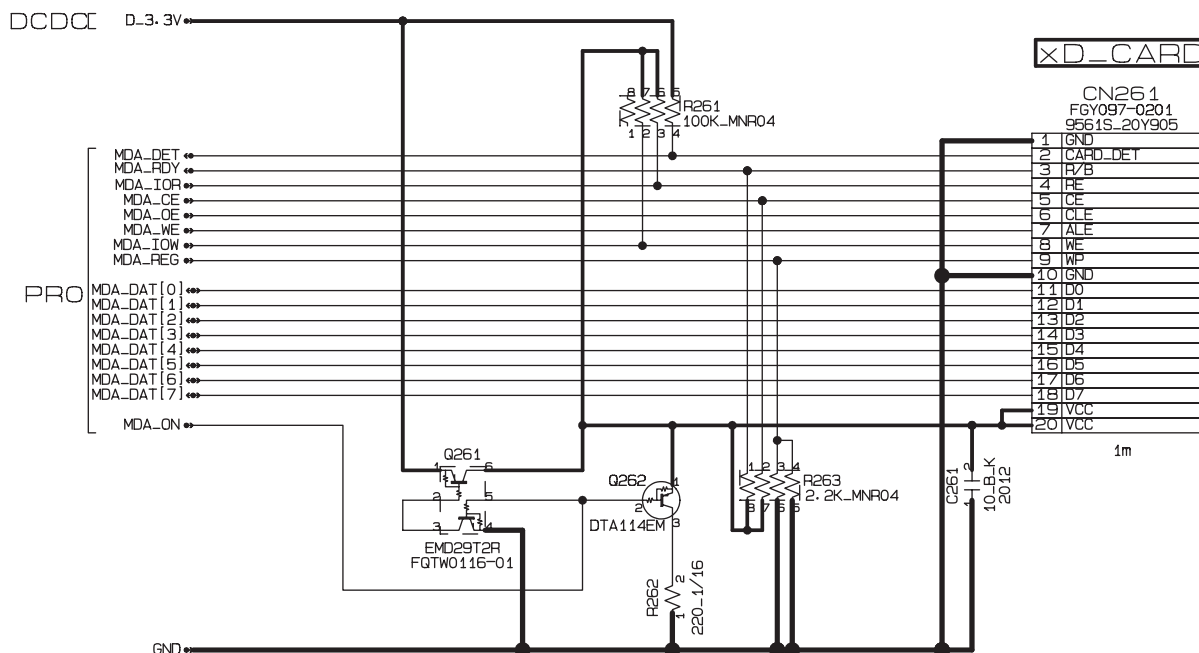
3-6-17. EMI BLOCK



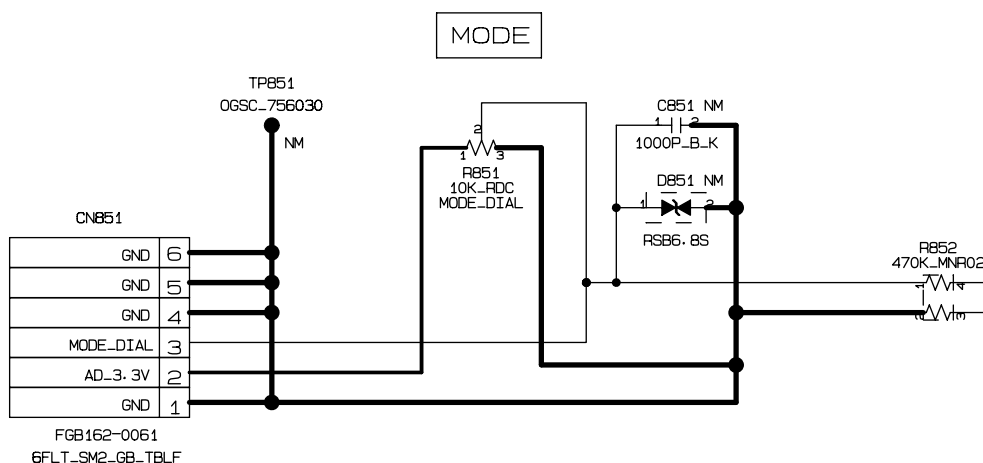
3-6-18. LED FPC BLOCK



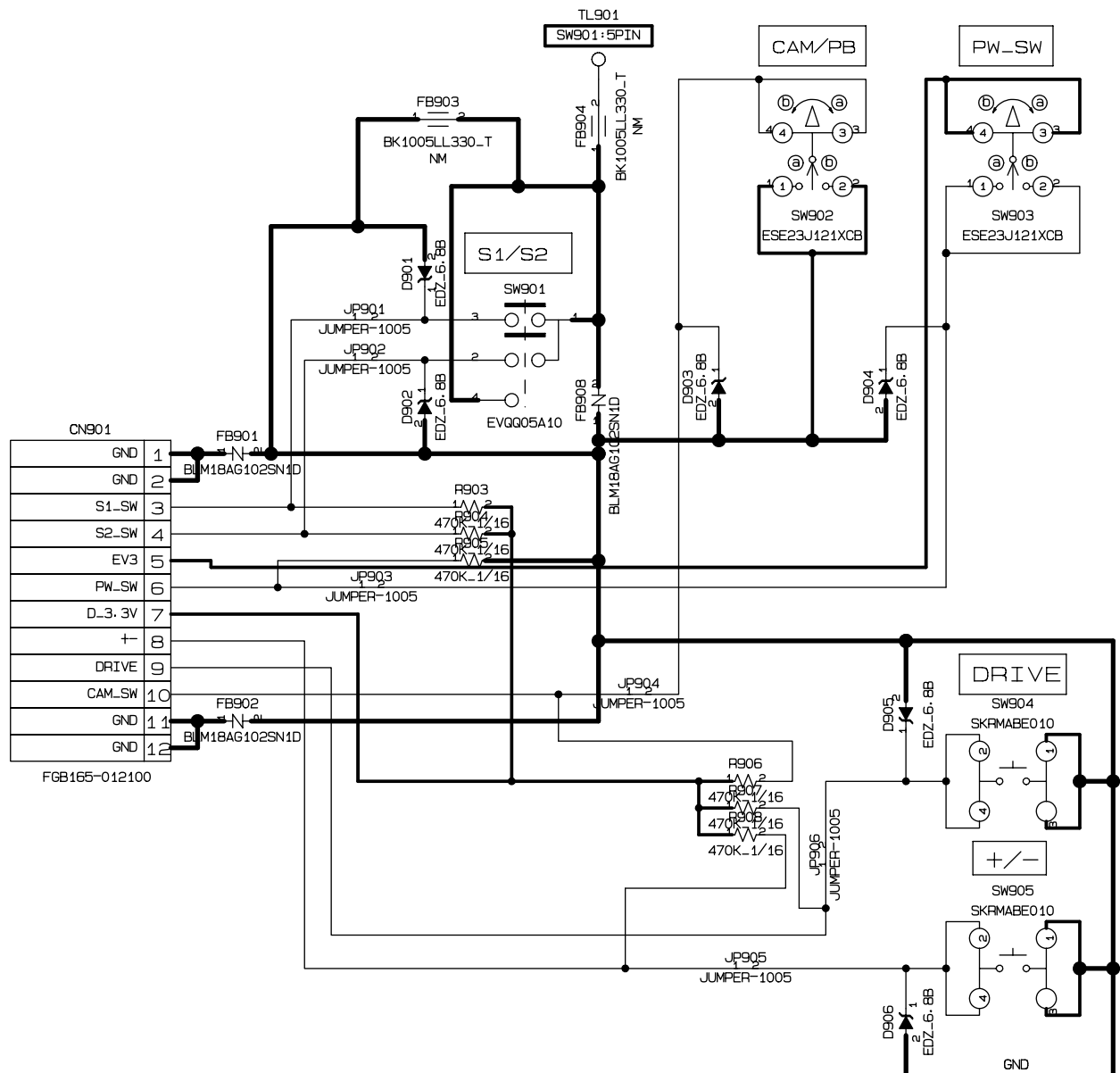
3-6-19. MEDIA BLOCK



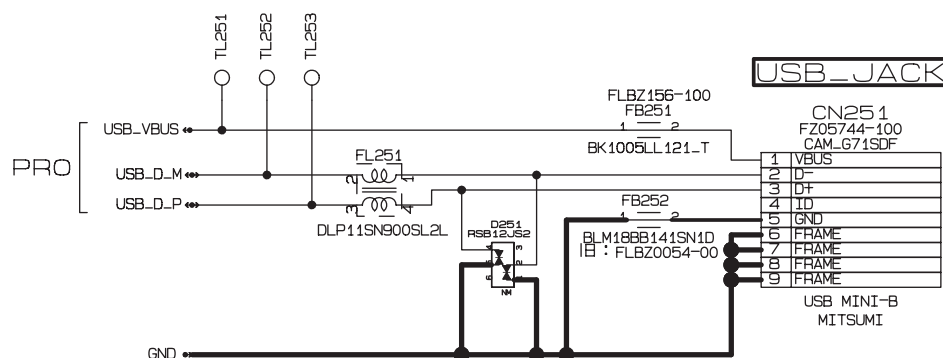
3-6-20. MSW BLOCK



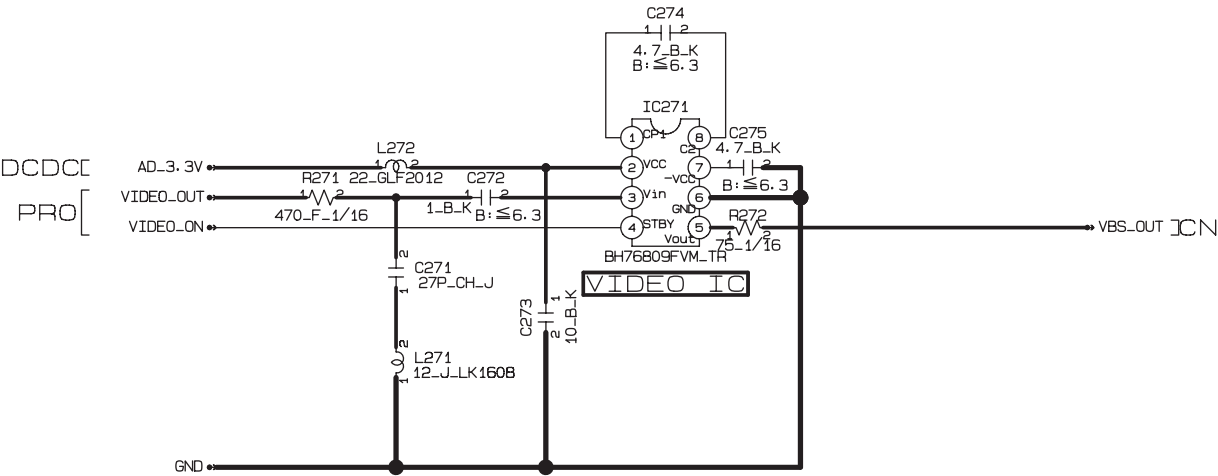
3-6-21. RSW BLOCK



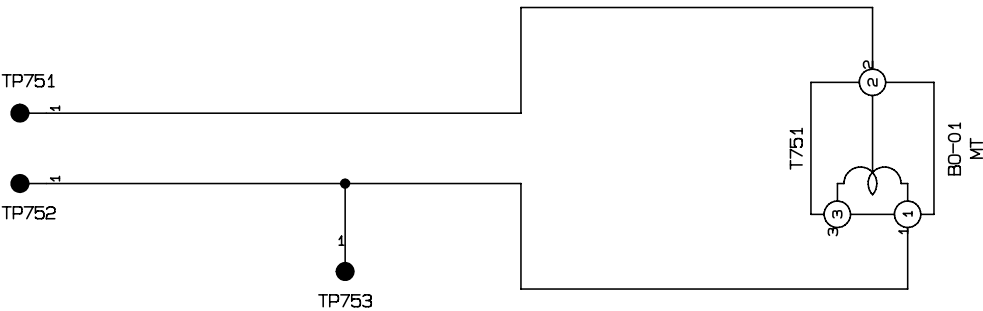
3-6-22. USB BLOCK



3-6-23. VIDEO BLOCK

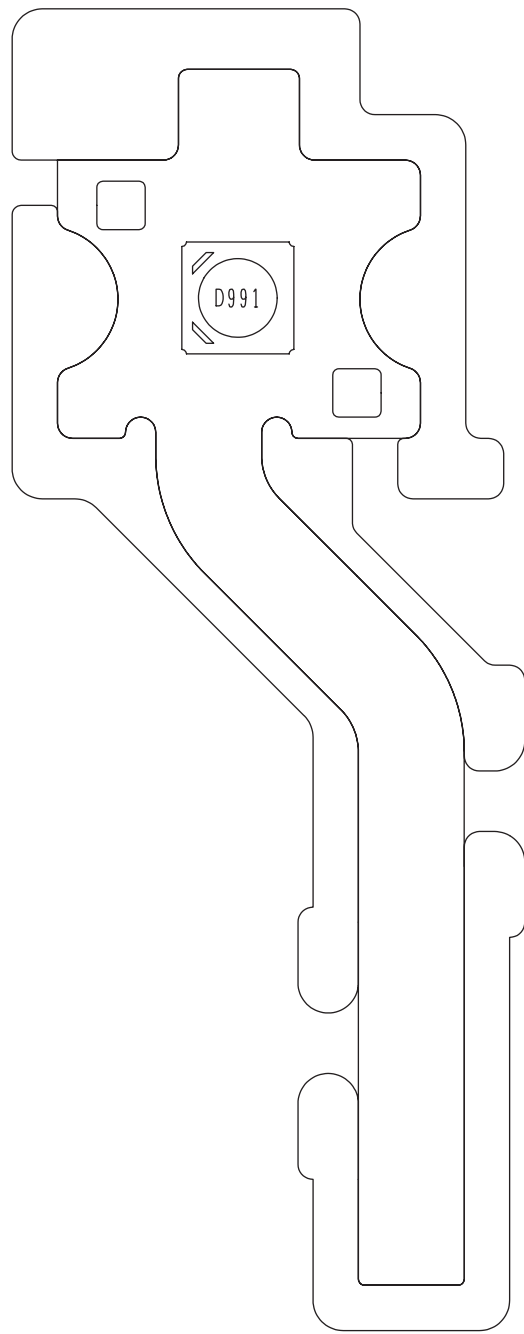


3-6-24. XE BLOCK

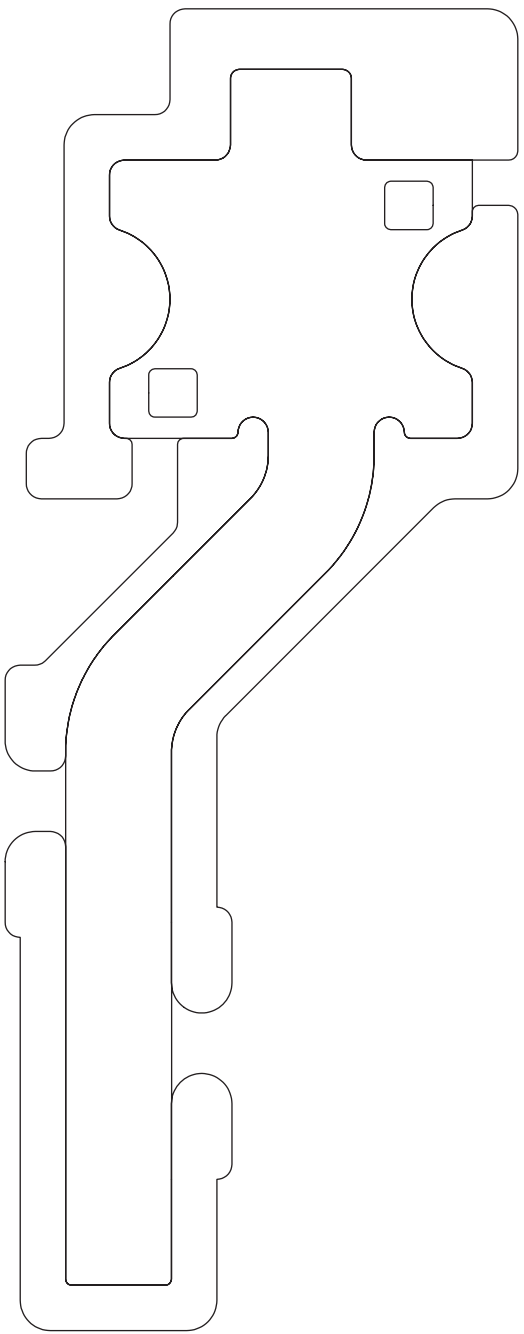


3-7. Mounted Parts Diagrams

3-7-1. AF FPC ASSY

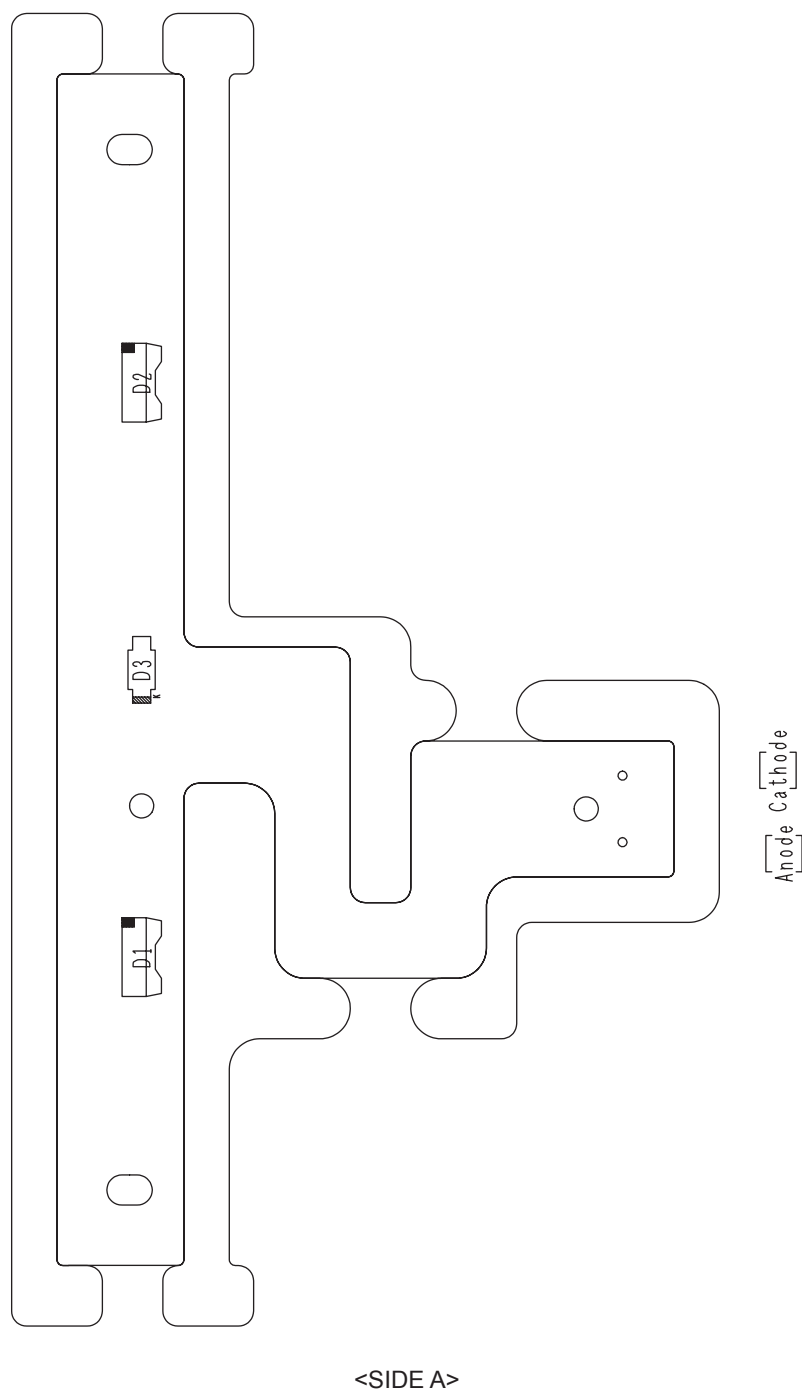


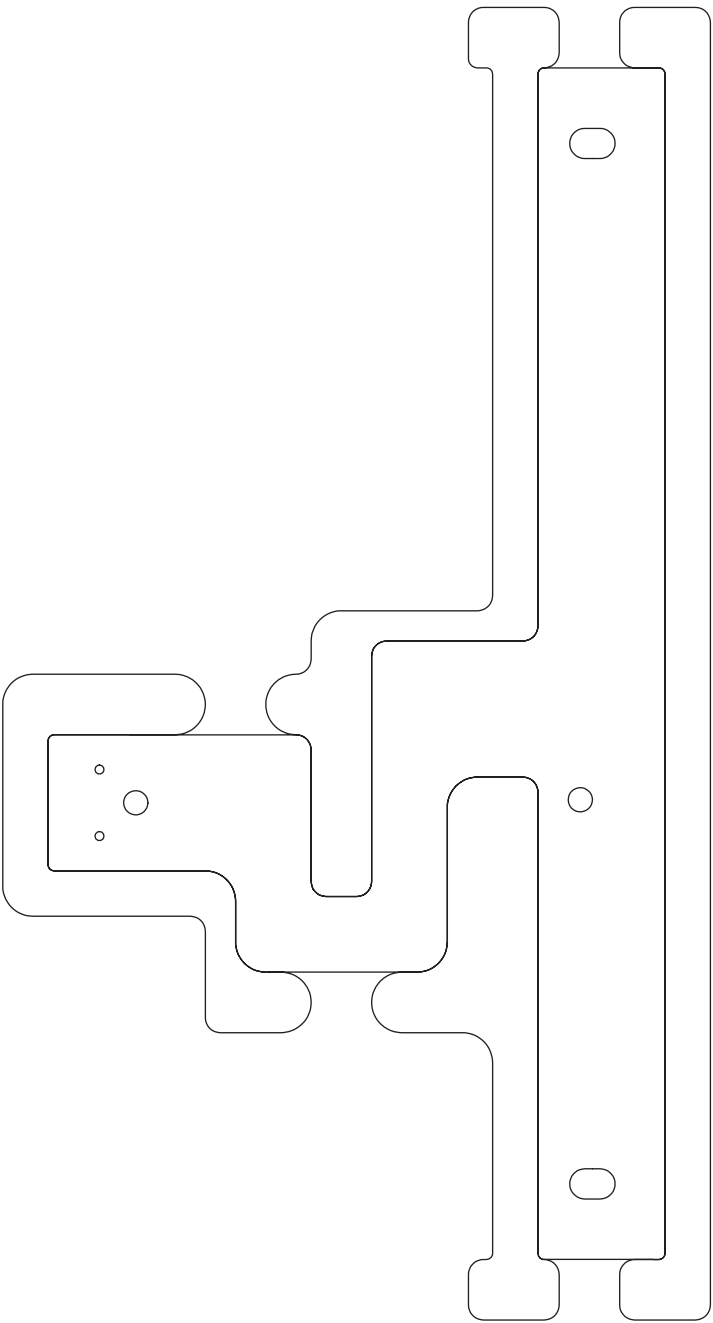
<SIDE A>



<SIDE B>

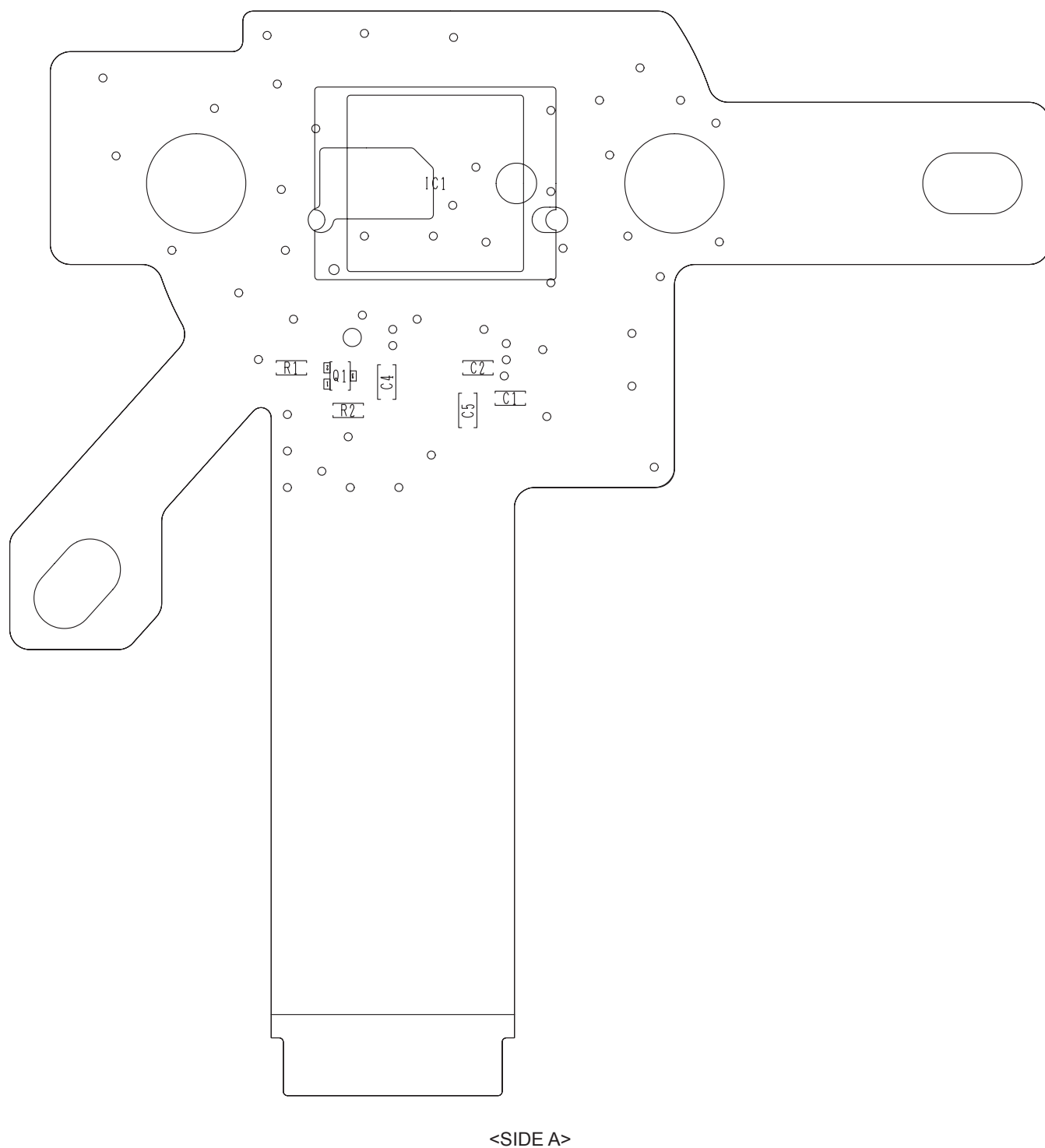
3-7-2. BL FPC ASSY

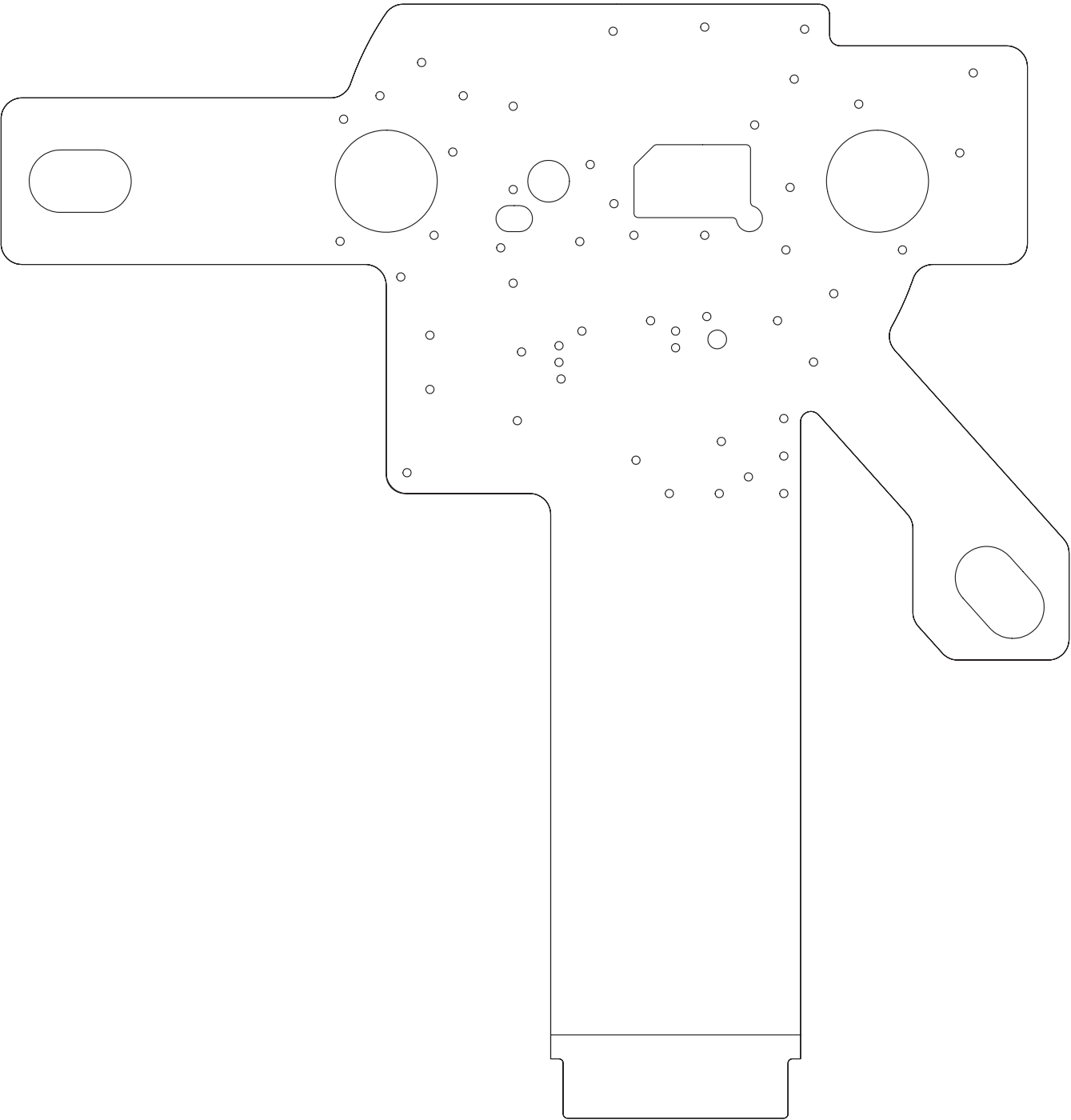




<SIDE B>

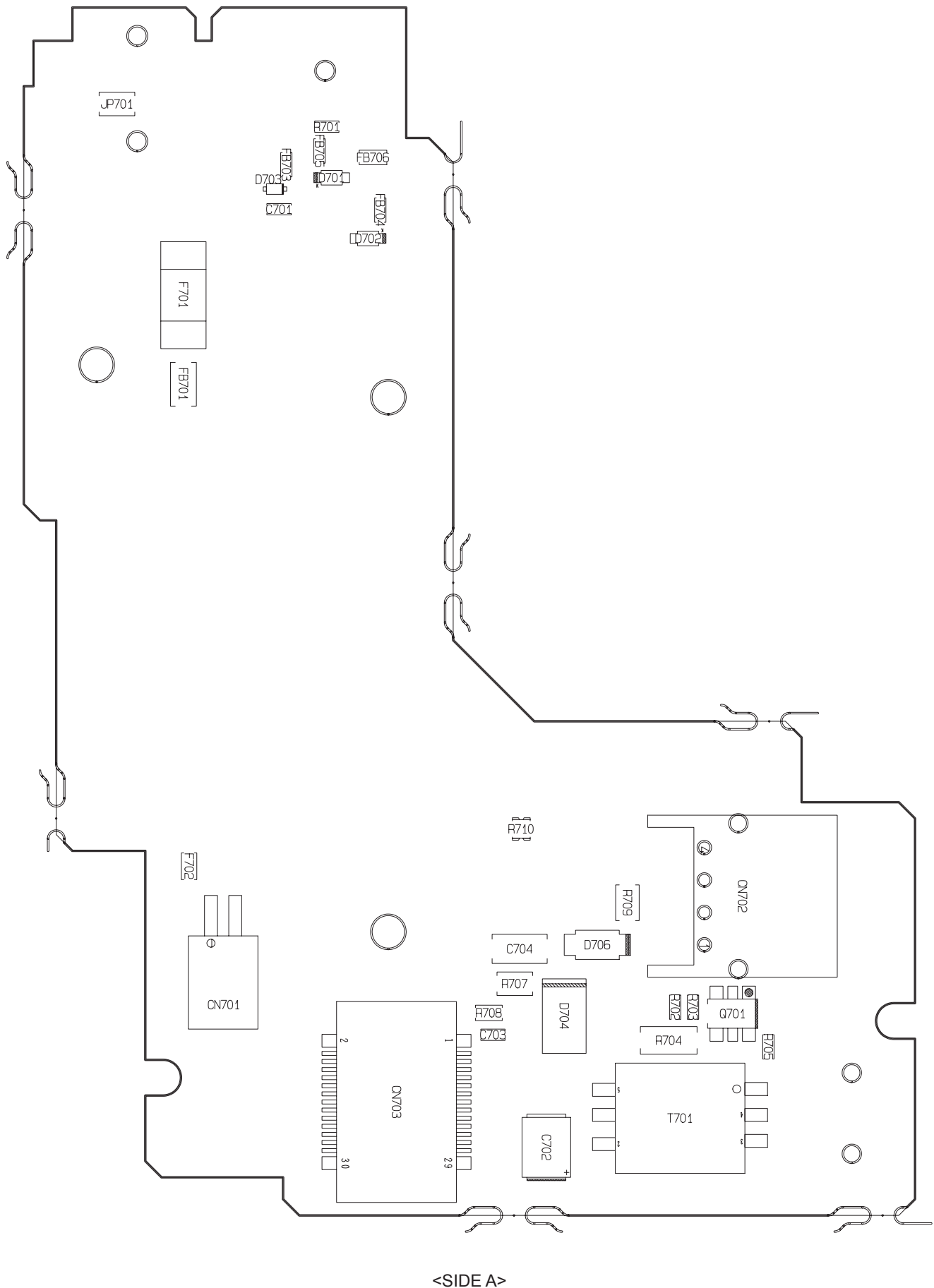
3-7-3. CCD FPC ASSY



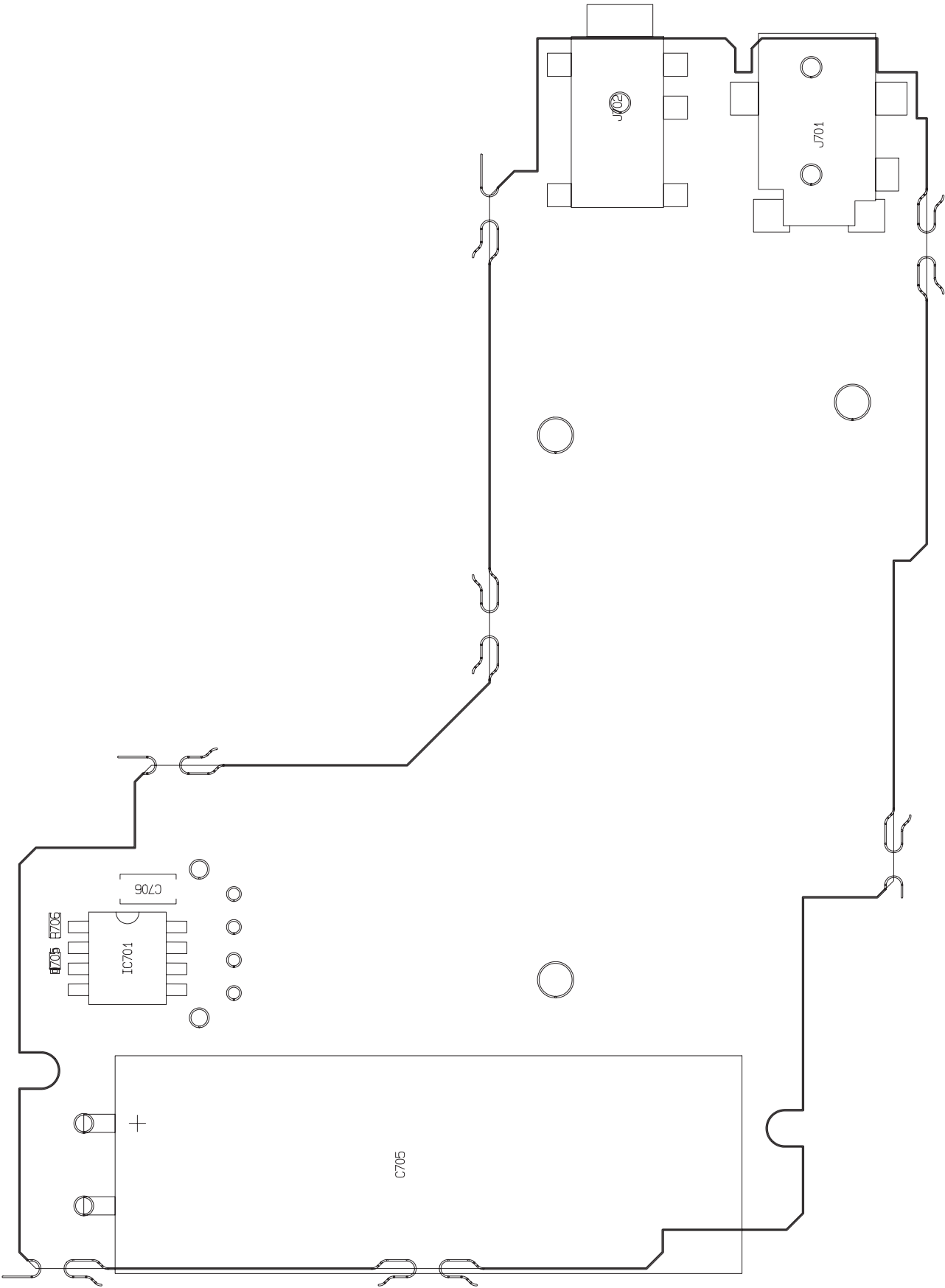


<SIDE B>

3-7-4. ST PWB ASSY

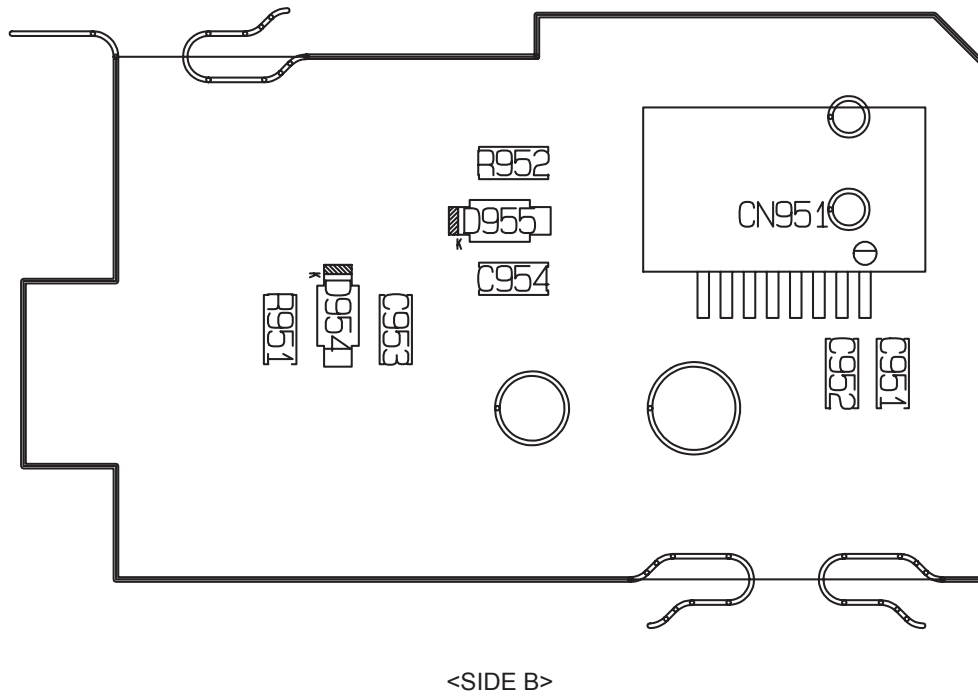
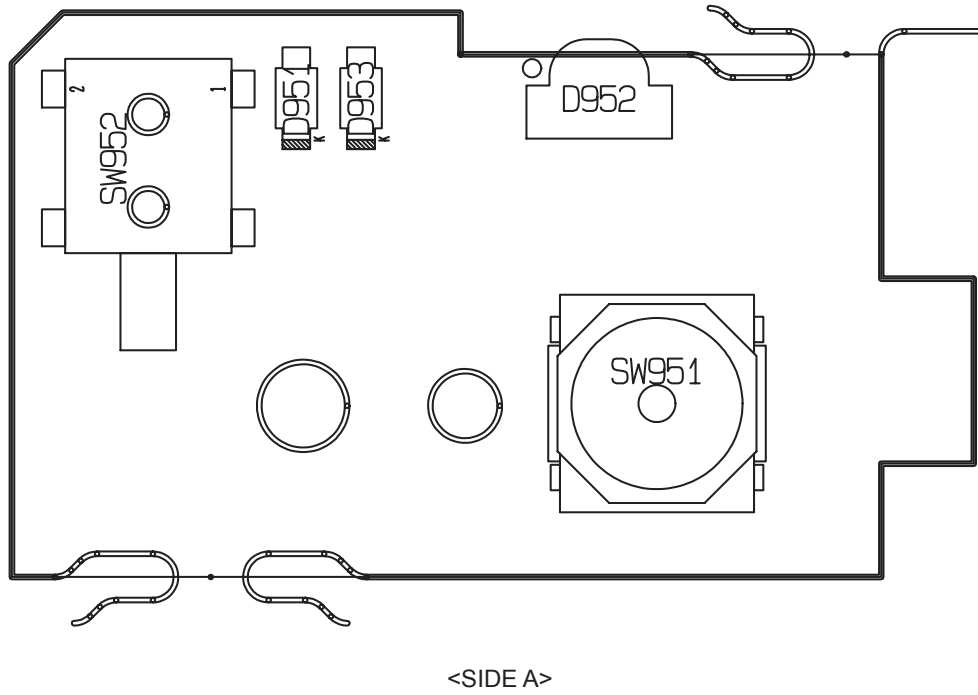


<SIDE A>

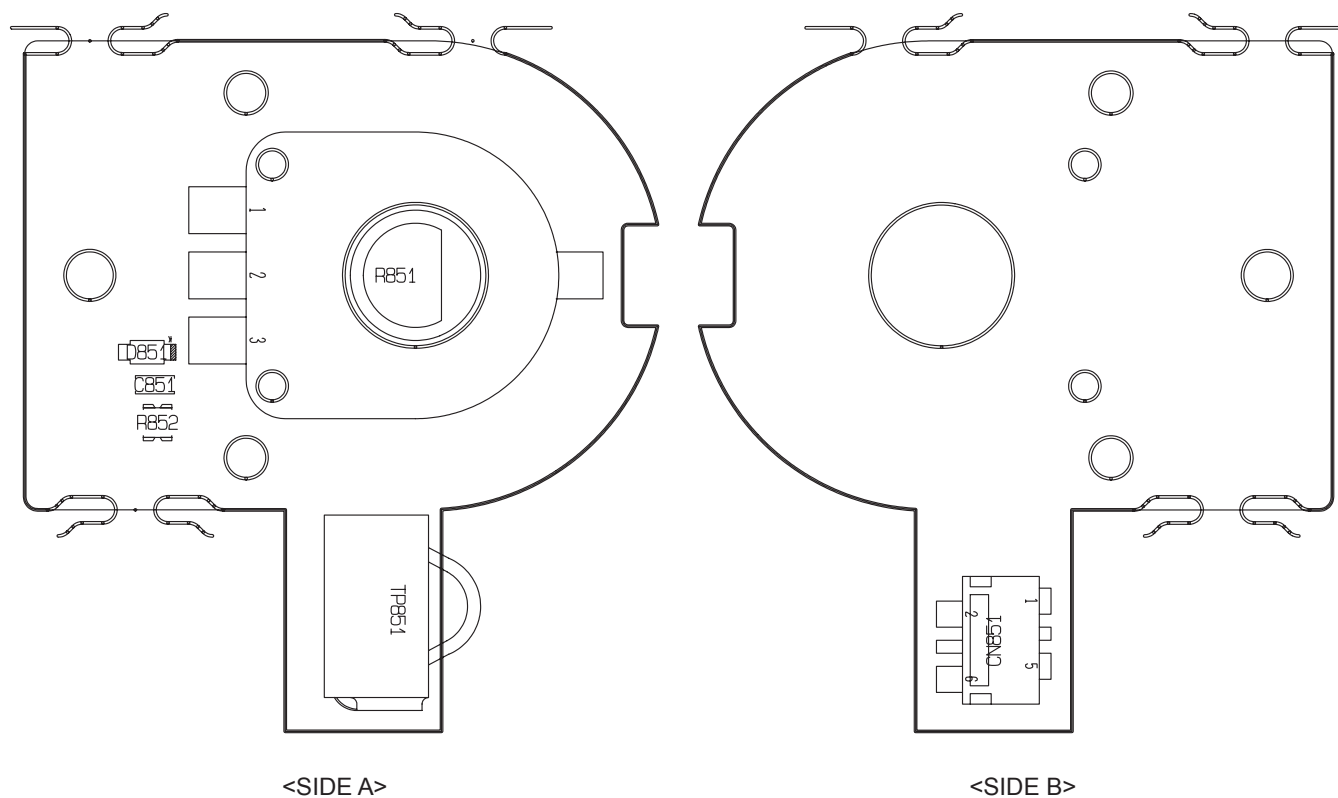


<SIDE B>

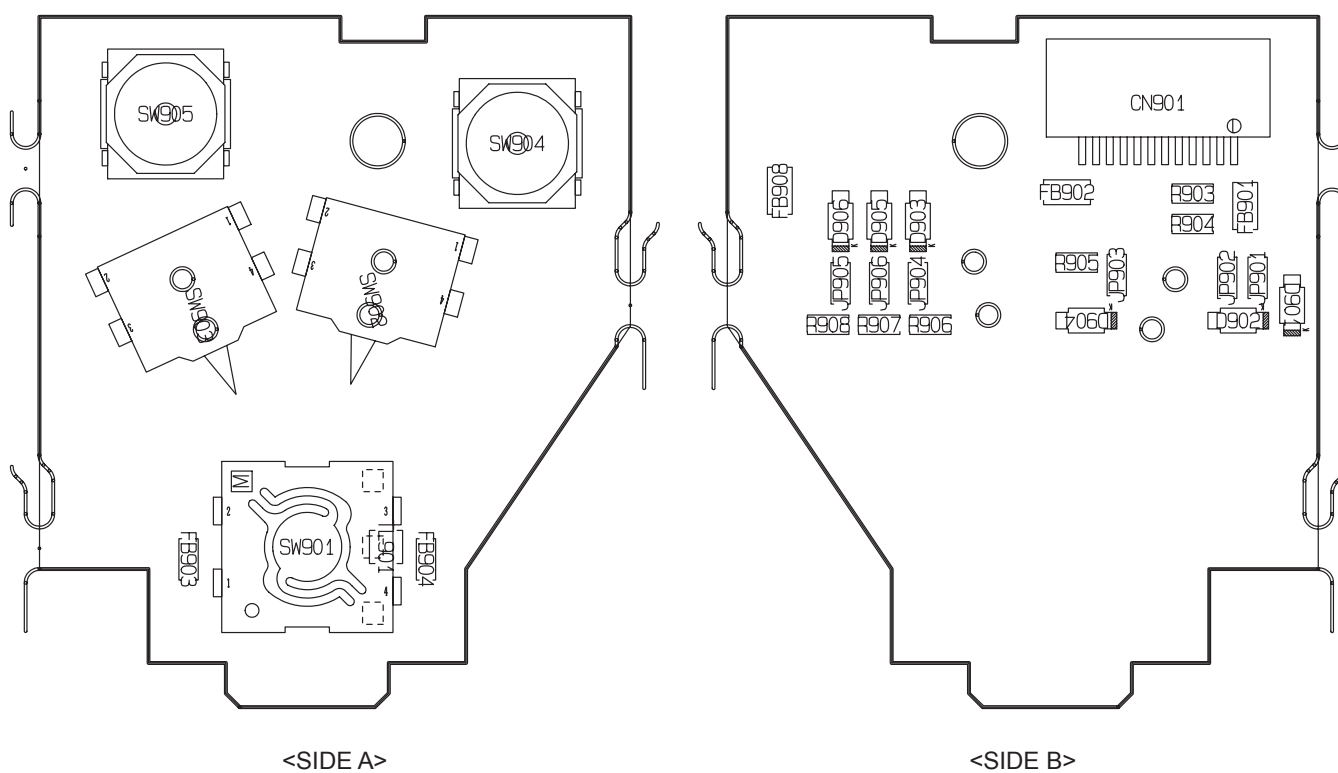
3-7-5. FSW PWB ASSY



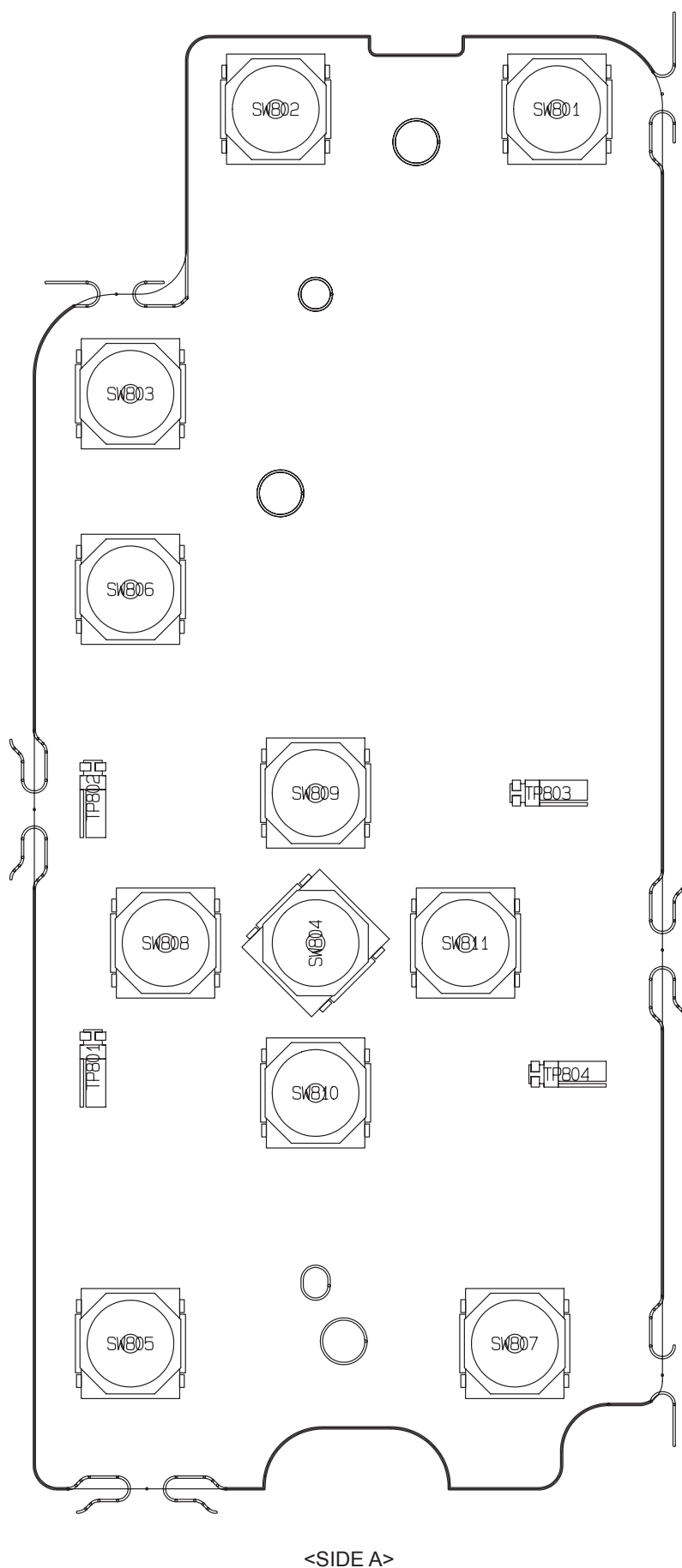
3-7-6. MSW PWB ASSY

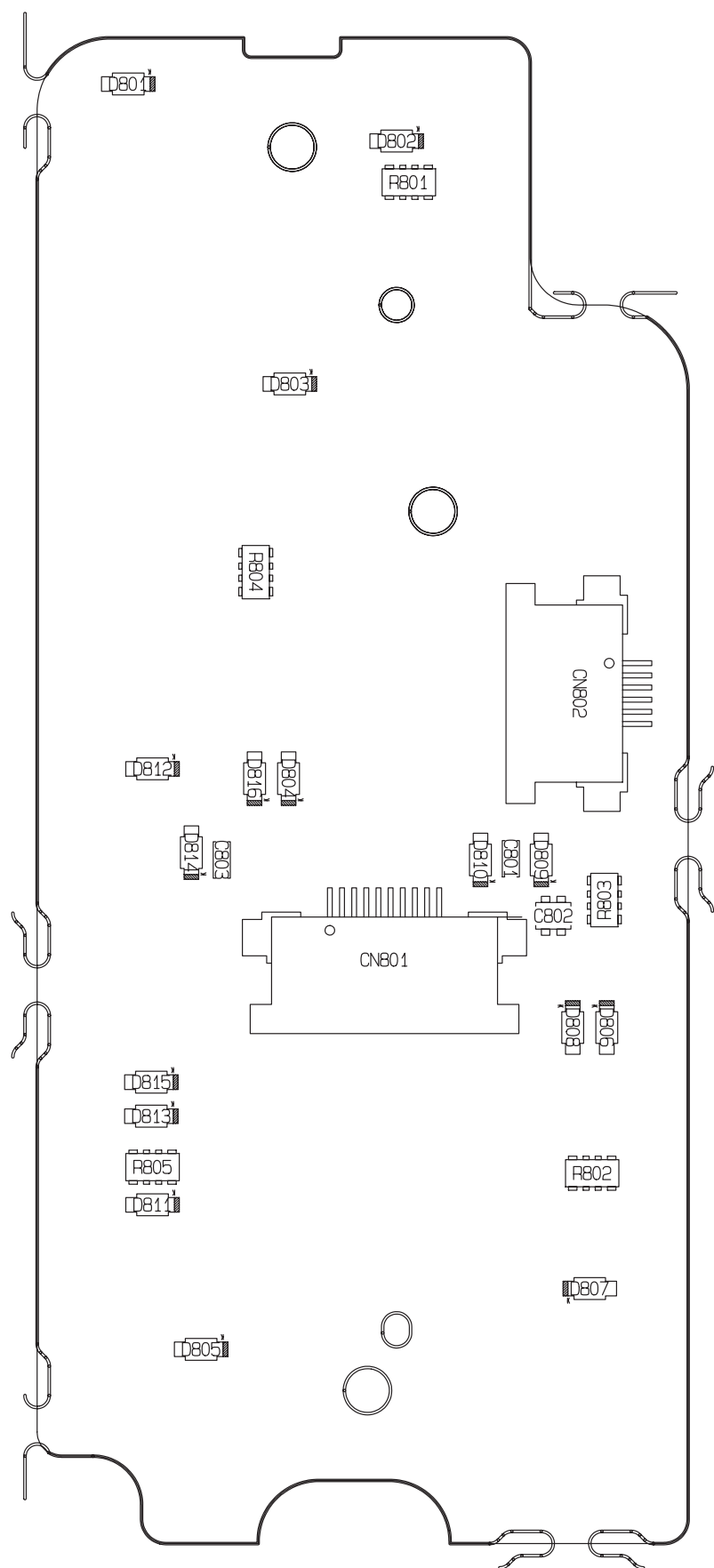


3-7-7. RSW PWB ASSY



3-7-8. KSW PWB ASSY

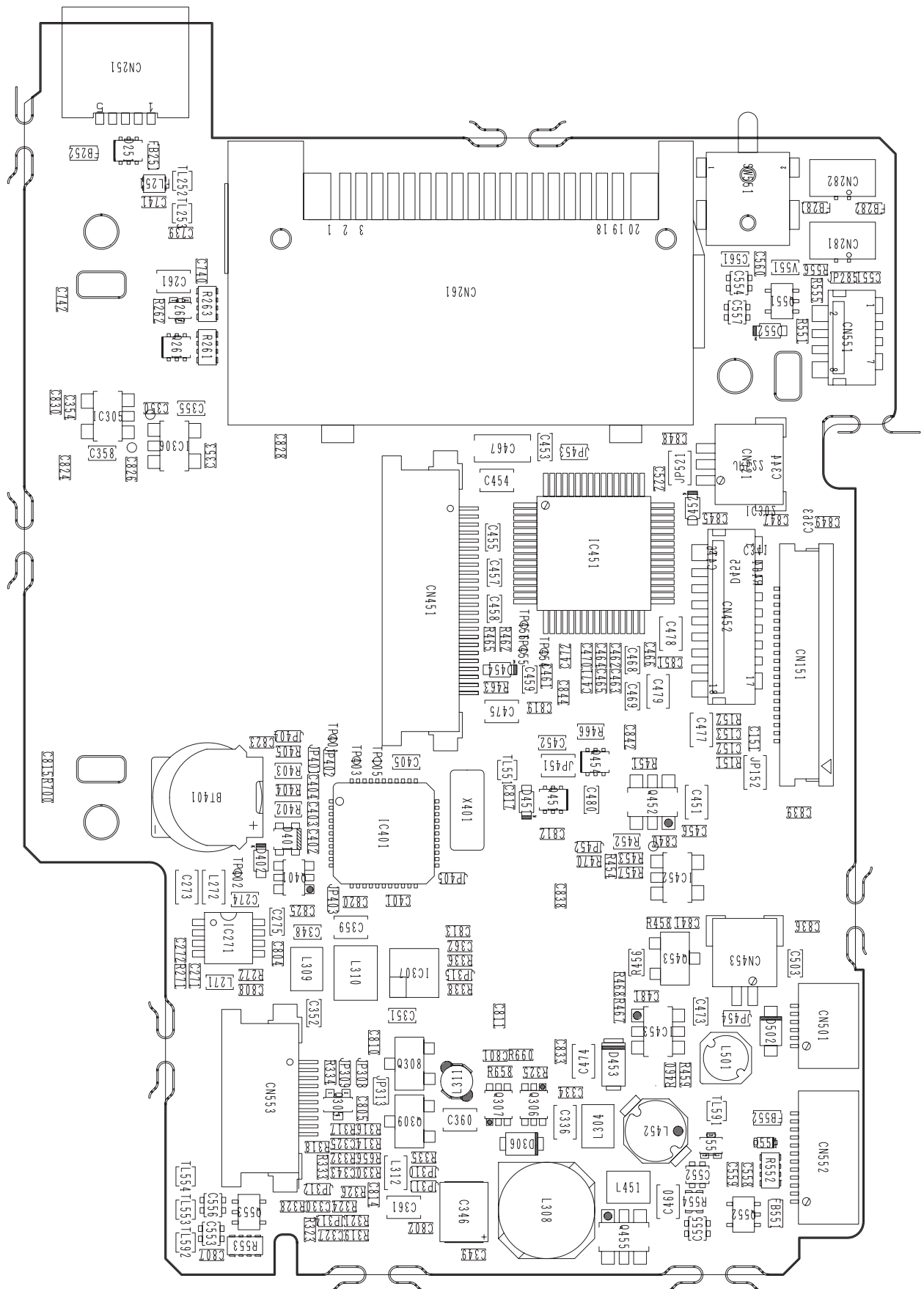




<SIDE B>

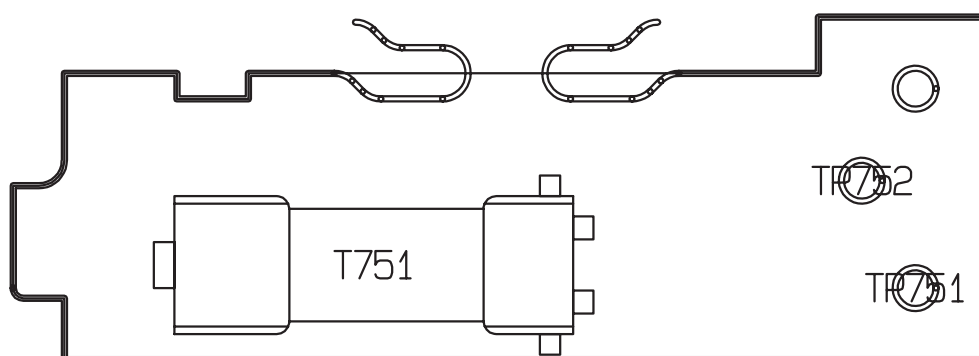
FinePix S5200/S5600 Service Manual

<SIDE A>

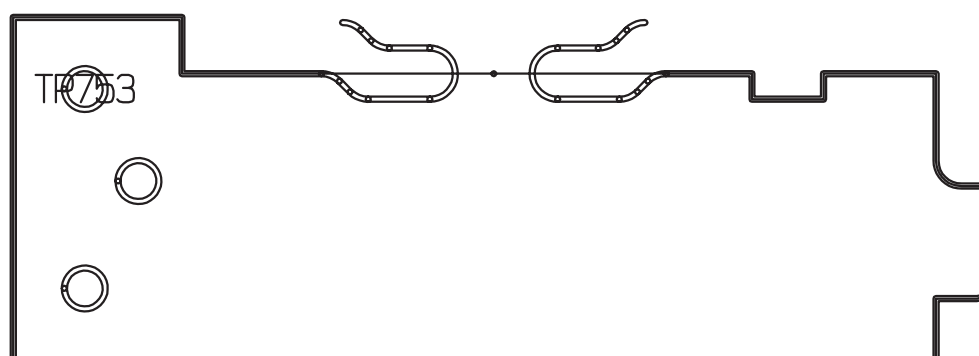


<SIDE B>

3-7-10. XE PWB ASSY



<SIDE A>



<SIDE B>

4. Adjustments

4-1. Important point Adjustment when Replacing Major Parts

Adjust the item shown by ○ in the table below at the part replacement of LENS CONST, MAIN PWB, ST PWB, FLASH. (Other part replacements need not be adjusted.)

Replacing parts		LENS CONST	MAIN PWB	ST PWB	FLASH
Adjustment item					
0	Flash memory reset *		○		
1	LENS Data adjustment	○	○		
2	CCD Data adjustment	○	○		
3	CAMERA adjustment	○	○		
4	AF adjustment	○	○		
5	Battery Adjustment	○	○	○	
6	Flash adjustment	○	○	○	○
7	Video adjustment		○		
8	Firmware download	Do not use it until there is an instruction.			
9	End setting	(Do the end setting when you end the adjustment software when you set the camera to the Jig mode)			

4-2. Measuring Instruments Used

Measuring equipment	Remarks
Regulated power supply	For adjustment
Pattern box	PTB450F
Digital voltmeter	For Battery adjustment
PC	Used for various adjustments and operation checks(PC-AT compatible, Win 98 / Me / 2000 / XP)
Brightness meter	LS-110 (Minolta) or equivalent
Color temperature meter	Color Meter IIIF (Minolta) or equivalent
Flash meter	Used for function checks

4-3. Use Jig list

Pats.No	Name	Comment	
ZJ00006-100	Filter LB140	CAMERA adjustment	Common with the DS-30/DS-20/DS-7
ZJ00477-100	AF chart	AF adjustment	Common with the FinePix6800ZOOM
ZJ00287-100	Close_up lens (f=900mm)	AF adjustment	Common with the 8mmVTR/MX500
ZJ00008-100	Lens holder	AF adjustment	Common with the 8mmVTR/MX600
ZJ00009-100	Stand	AF adjustment	Common with the 8mmVTR/MX600
ZJ00254-100	Gray Chart (Reflective type)	Flash adjustmen	Common with the MX700/MX500
FZ06230-100	USB cable	General adjustment	This is bundled to the product *1
ZJ00927-100	FxS5200_5600 W PC Soft Ver.1.00	PC adjustment	Win98 / Me / 2000 / XP English OS
ZJ00684-100	DSC JIG Driver Install.exe	For PC setup	Win98 / Me / 2000 / XP English OS
ZJ00580-100	Power Cable Jig	General adjustment	
FZ06262-100	Terminal Adapter	General adjustment	
ZJ00611-100	X-Y stage for AF adjustment	AF adjustment	Common with the FinePixM603
ZJ00653-100	LB140 filter holder kit for X-Y stage	General adjustment	Common with the FinePixF700
ZJ00650-100	VIDEO adjustment jig	Video adjustment	Common with the FinePixA310
ZJ00553-100	AF solid chart	General adjustment	Common with the FinePixS2Pro
ZJ00936-100	CCD data for FinePix S5200_5600	CCD defect adjustment	New Jig *2
FZ06229-100	Video cable	VIDEO adjustment	Common with the FinePixA310
FZ03983-100	AC Cable (For EG)	Use with VIDEO adjustment jig	Common with the FinePixA310 *3
FZ03982-100	AC Cable(For EU)	Use with VIDEO adjustment jig	Common with the FinePixA310 *3
FZ00330-200	AC Cable (For US/JP)	Use with VIDEO adjustment jig	Common with the FinePixA310 *3
ZJ00581-100	Discharger	Discharge for FLASH UNIT	
ZJ00525-100	MACRO CHART	Resolution inspection	Common with the FinePix A201

*1: Differs from bundled cable of FinePix S5200_5600.

*2: Please downloaded from Web server (<http://fujifilm-di.intranets.com/>).

*3: Select one the power cable suitable each country.

4-4. 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±5cd/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±5cd/m².

(2) Color temperature:aa

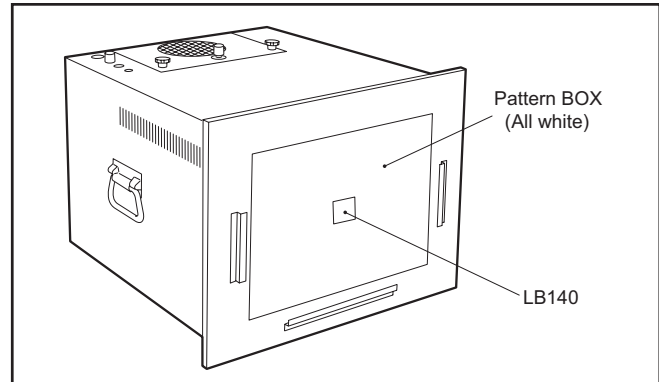
6100±50 K (with LB140 filter)

No chart, center of pattern box

Minolta color meter IIF 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 ± 50 K.



<Fig. 4-4-1> Calibration method of pattern box

4-5. Adjustment software installation

4-5-1. 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 PC adjustment software decompression and preservation method

<Step1>

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

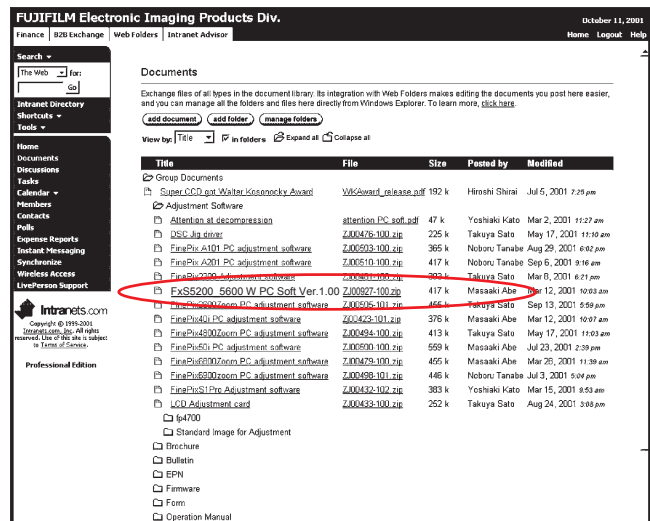
We have uploaded the "PC Adjustment Software (ZJ00927-100.zip) for "FinePixS5200_5600_W" on our website: (<http://fujifilm-di.intranets.com/>).

<Step2>

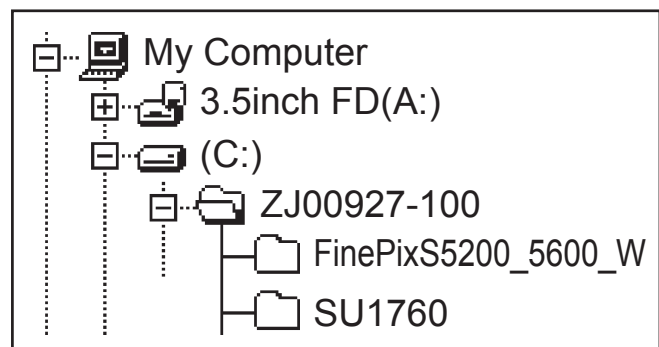
"ZJ00927-100" is a compression of "ZIP type" file.

The "FinePixS5200_5600_W" and "SU1760" folder can be done by extracting it by "Compression software".

Copy the "FinePixS5200_5600_W" and "SU1760" folder to the "C" drive on the Adjustment PC.



<Fig. 4-5-1> Fujifilm-di.intranets Screen



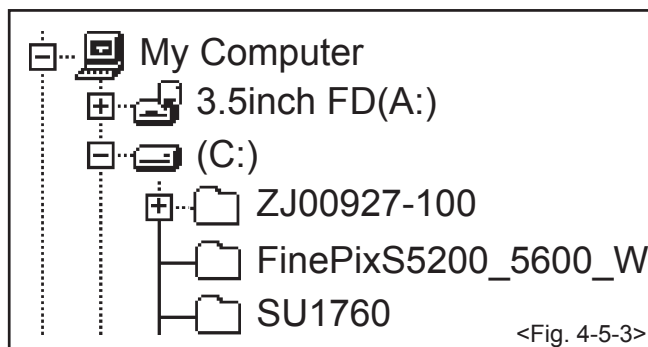
<Fig. 4-5-2>

<Step3>

When all the folders have been copied to the C: drive, double-click on [C:\FinePixS5200_5600_W\FFW.exe] to start the adjustment software.

(Note)

- * Specify the preservation drive for C drive if it is decompression software which can specify the preservation drive.
- * Similarly, defrost without making a new folder if it is decompression software which can be defrosted without making a new folder.
- * Defrost simply if the decompression software which you have cannot specify the drive specification and the folder making.



<Fig. 4-5-3>

[Caution][Important]

(a) PC adjustment software can not start when there is folder of FinePixS5200_5600_W in folder named ZJ00927-100.

Please preserve the folder of FinePixS5200_5600_W and SU1760 right under C drive.

(b) Please do not change the foldername named FinePixS5200_5600_W.

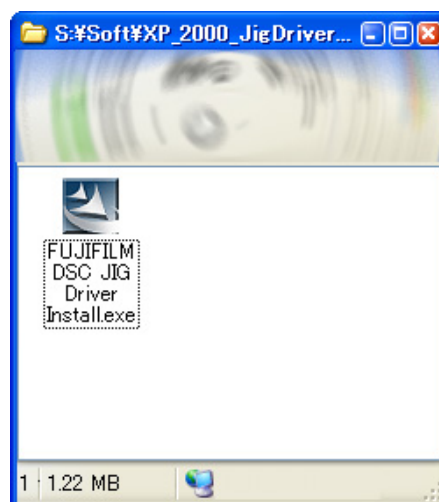
PC adjustment software can not start when foldername is changed.

4-5-2. Installation of DSC jig driver

- * Since this camera uses the USB for communications with the personal computer, in order to start the PC adjustment software, [the DSC jig driver] needs to be installed in the personal computer beforehand.
 - * The DSC jig driver is the same as that for the FinePix S7000, so if this jig driver software is already installed in the personal computer, it is not necessary to install it.
- The procedure is given below.

<Step 1>

DSC jig driver (ZJ00684-100.ZIP) is downloaded from Web server (<http://fujifilm-di.intranets.com/>).



<Fig. 4-5-4>

<Step 2>

Defrost the downloaded compression software.

<Step 3>

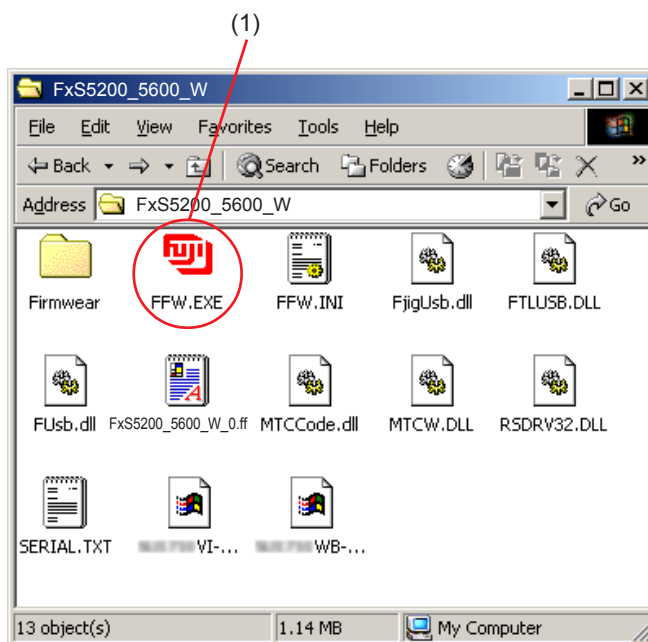
Double-click setup.exe in the folder of defrosted ZJ00684-100 and install Fuji FILM DSC Jig Driver as follows.

<Step 4>

Install the software in [C:\ProgramFiles\Fjig] according to the instructions on the PC's screen.

4-5-3. Adjustment software initiation method

When the folder has been copied to the C drive, double-click on the file C:\FinePixS5200_5600_W\ffw.exe (Fig.4-5-5) to start the adjustment software.



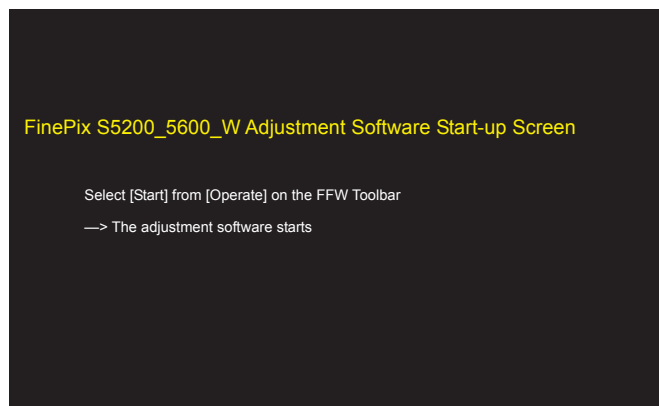
<Fig. 4-5-5>

4-6. Initial Settings of the Adjustment Software

- * The initial settings are already written in the "FFW.ini" file, therefore perform the following procedure to the letter. Note that, if you change file names, the software will not start up.
- * The initial settings of steps 3 to 6 are already set in the "FFW.ini" file. Therefore, you need only to check them.
- * Do not rewrite the user program (FxS5200_5600_W_0.ff). If the program is rewritten, the adjustment software will not startup.

<Step 1>

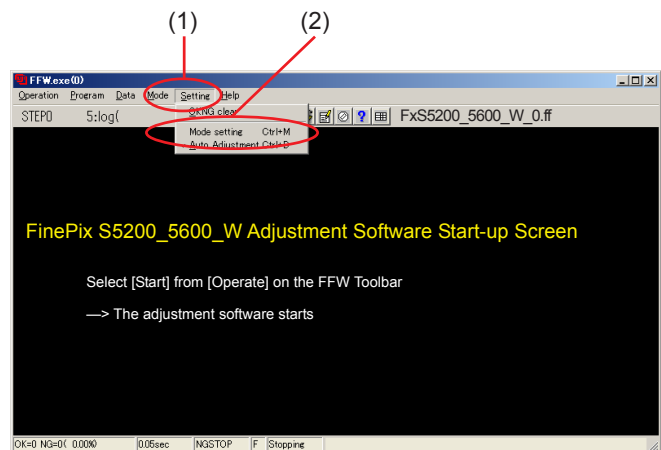
Double-click on the "FFW.exe" execute file of the adjustment software to open the "FinePix S5200_5600_W Adjustment Software Startup" screen (Fig. 4-6-1).



<Fig. 4-6-1>

<Step 2>

Click on "Settings" ([1] in Fig. 4-6-2) in the menubar of the startup window. Then, select "Mode setting" ([2] in Fig. 4-6-2) from the pull-down menu that appears.



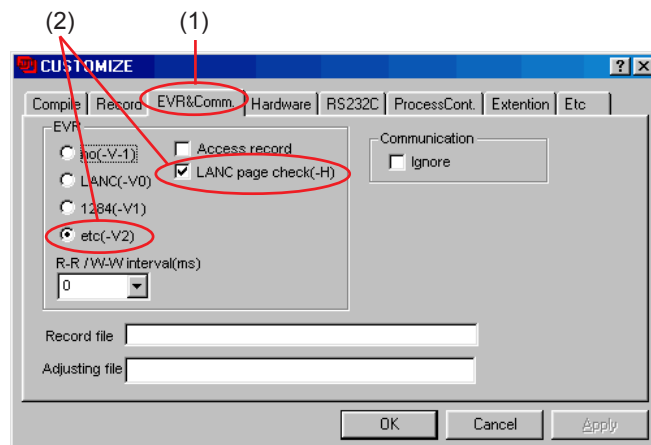
<Fig. 4-6-2>

<Step 3>

Select the "EVR&Comm." tab ([1] in Fig. 4-6-3) in the "Customize" dialog box that appears.

Set the "EVR&Comm." items ([2] in Fig. 4-6-3) as follows.

Item	Details
etc (-V2)	Check
LANC page	Check



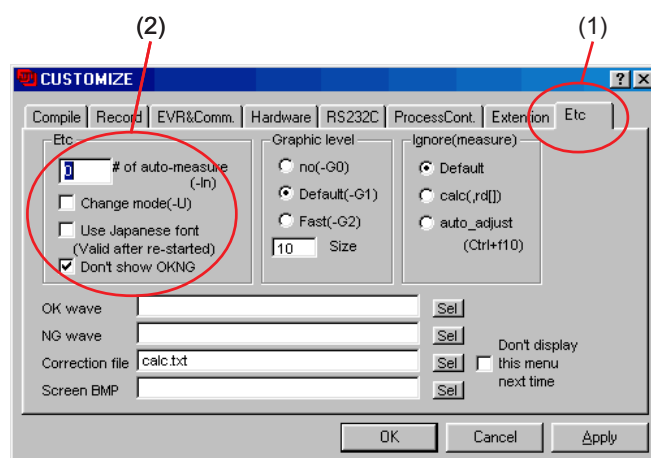
<Fig. 4-6-3>

<Step 4>

Select the "Etc" tab ([1] in Fig. 4-6-4) in the "Customize" dialog box that appears.

Set the "Etc" items ([2] in Fig. 4-6-4) as follows.

Item	Details
# of auto measure	0
Change mode	Do not check
Use Japanese font	Do not check
Don't show OK NG	Check or Do not check



<Fig. 4-6-4>

[Note]

If [Disable OKNG display] on the PC screen (Fig. 4-6-4) is set to OFF, the PC screen displays [OK] if adjustment is OK, and [NG] if adjustment is NG (either setting is OK).

<Step 5>

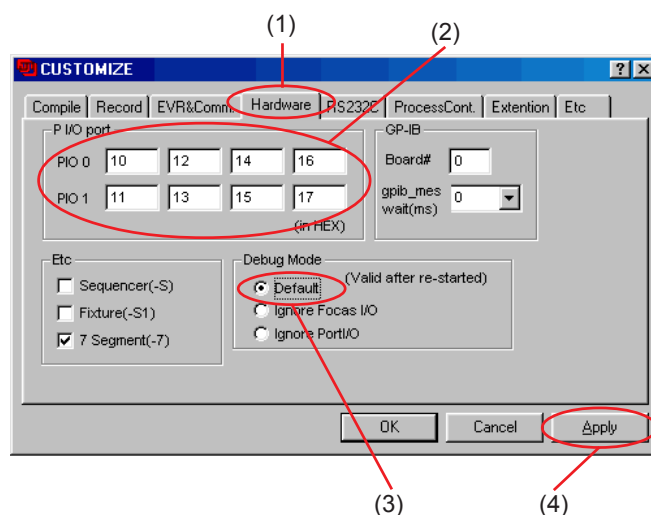
Select the "Hardware" tab ([1] in Fig. 4-6-5) in the "Customize" dialog box that appears.

Input the values for P/I/O port ([2] in Fig. 4-6-5).

PIO 0	10	12	14	16
PIO 1	11	13	15	17

Set the "Hardware" items ([3] in Fig. 4-6-5) as follows.

Item	Details
Debug Mode	Select [Default]



<Fig. 4-6-5>

<Step 6>

Once the above settings have been made, click on "Apply" ([4] in Fig. 4-6-5) in the "Customize" dialog box to complete setup.

This applies the setup, therefore setting is unnecessary from the next time forward.

Cautions When Adjusting

- *1) FinePix S5200_5600 cannot adjust the EVR data reading and writing.(Details are right tables.)
- *2) End Setting returns the camera from the Jig mode to the Product Mode.
End Setting is required when using the PC adjustment software, even when replacing boards or units other than those noted above. Failure to run End Setting will prevent identification as Mass Storage.
When the camera is connected to the PC, and prevent communication with the PC.
- *3) When all adjustment have been completed, always check that the camera is identified as Mass Storage.

Menu	Command	Details
Operation	Start	Program start
	Stop	Program stop
	Temporary stop	Temporary program stop
	Step 0	Do not use
	End	Terminate program
Program	Reload	Program (*.ff) reload
	Select	Program (*.ff) select
	Edit	Program (*.ff) edit
Data	ad[]	Do not use
	rd[]	Do not use
	SW	Do not use
	fsw	Do not use
	EVR	Do not use *1)
Mode	File record	Do not use
	NGSTOP	Program stopped if
		adjustment is NG
	STEP	Do not use
	LINE	Do not use
	AUTO	Do not use
Setting	OKNG clear	Do not use
	Mode set	Sets up mode
	Automaticadjustment	Execution setting for Auto Adjust in user program
Help	Help	Basic software help
	FF help	User program help
	Focus	Not used with this adjustment software
	Version	Version information for basic software

<Table> FFW.exe Commands

4-7. Starting the Adjustment Software

<Step 1>

Double-click on [FFW.EXE] (Fig. 4-5-3) in the folder copied to the C drive (see '4-5-1. Various downloading software decompressions, preservation methods and notes') to display the adjustment software start-up screen.

<Step 2>

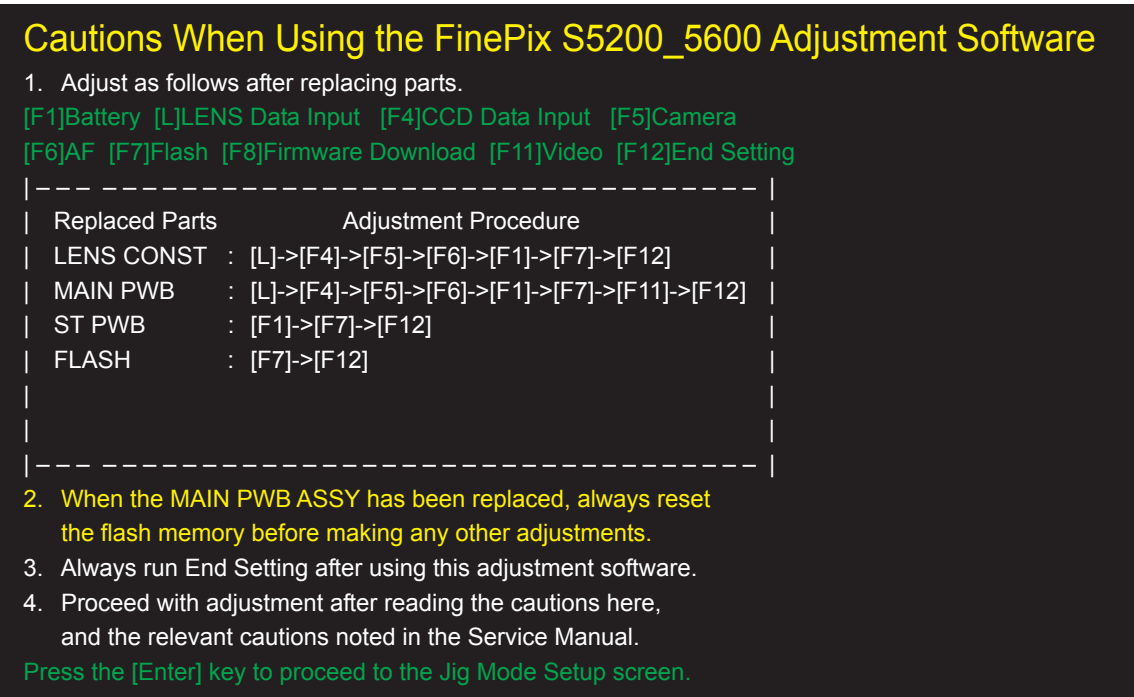
Run the adjustment in accordance with the instructions on the screen.



<Fig. 4-7-2>

—> The [Cautions When Using the Adjustment Software] screen appears.

<Step 3>



<Fig. 4-7-2>

—> The [Jig Mode Setup] screen appears.

<Step 4>

FinePix S5200_5600 Jig Mode Setup Procedure

- 1). Open the card cover.
- 2). Connect the power cable jig with the camera.
- 3). Adjust the output current of the power supply to 3.0A or less.
- 4). Adjust the output voltage of the power supply to 5.0+-0.02V.
- 5). Connect the USB cable with the camera and PC.
- 6). Switch-ON the camera power while pressing the shutter button.
- 7). Check that the LED at the under the viewfinder is lights in green.

Press the [Enter] key after completing the procedure of (1)-(7).

<Fig. 4-7-3>

—> The [Firmware version check] screen appears.

<Step 5>

FirmWare = 1.48

Vendor Name =FUJIFILM
Manufacturer =FUJIFILM
ProductName =FinePix S5200
Device Type =CAMERA
SerialNo =592D3836325E010101000000000000
Frame Work =1.00

Please download a latest version of the firmware if it is necessary.
Advance to the adjustment item selection screen when press the [Enter] Key of PC.

<Fig. 4-7-4>

—> The [Adjustment Items Select] screen appears.

<Note>

- (1) [F1] Battery Adjustment cannot be run unless the Power Cable Jig is used to supply power to the camera.
- (2) When new MAIN PWB ASSY is replaced, MAIN PWB ASSY is automatically initialized. At that time, wait for one-two minutes, and advance the adjustment according to the instruction of the adjustment software.

<Step 6>

FinePix S5200_5600_W adjustment item selection screen

0.[R] : Flash memory reset

*Only use for when the MAIN PWB has been replaced.

1.[L] : LENS Data Input

2.[F 4] : CCD Data Input

3.[F 5] : Camera Adjustment

4.[F 6] : AF Adjustment

5.[F 1] : Battery Voltage Adjustment

6.[F 7] : Flash Adjustment

7.[F11] : Video Adjustment

8.[F12] : End Setting

[F 8] : Firmware Download

[Execute this item only when
need to change the firmware.]

[X] : Restart

FxS5200_5600 ADJ Software Ver.1.00

<Fig. 4-7-5>

<Note>

- (1) 'FxS5200_5600 W PC Soft Ver.1.00' at the bottom-right of the screen indicates the version number of the adjustment software.
- (2) After running firmware download, other adjustments may be required depending on the content of the download software. In such cases, the items to be adjusted, and the sequence of adjustment, will be indicated separately.
- (3) After starting the adjustment software and beginning communication with the camera, always run End Setting following adjustment and before returning the camera to the customer. If the End Setting is not run, the PC will not recognize the camera when the two are connected.
Reason: As the camera will remain in the Jig mode (repair mode), it will not be recognized with the normal camera drivers.
- (4) When the adjustment is interrupted after the [X]:Restart key is pushed, it remains about the Jig mode.

4-8. [R] : Flash Memory Reset

<Note>

Only reset the flash memory when the MAIN PWB ASSY has been replaced.

When the MAIN PWB ASSY has been replaced, always reset the flash memory before making any other adjustments.

If the flash memory is reset when the MAIN PWB ASSY has not been replaced, all the adjusted data reverts to the default settings.

In this event, adjust all the settings.

(Excludes firmware downloading.)

After the MAIN PWB ASSY has been replaced, proceeding with other adjustments without first resetting the flash memory will prevent the successful completion of the adjustments.

(In some cases the camera may be completely disabled.)

If this occurs, set the camera to jig mode again and then reset the flash memory.

<Step 1>

In the adjustment item selection screen, select [R]: Reset flash memory.

-->The flash memory reset confirmation screen appears.

Flash memory reset (EVR)

< Attention >

When the MAIN PWB ASSY has been replaced, always reset the flash memory before making any other adjustments.

Only reset the flash memory when the MAIN PWB ASSY has been replaced. If the flash memory is reset when the MAIN PWB ASSY has not been replaced, all the adjusted data reverts to the default settings. In this event, adjust all the settings. (Excludes firmware downloading.)

Enter [RESET] from the PC keyboard.

<Fig. 4-8-1>

-->The [Reconfirm flash memory reset] screen then appears.

<Step 2>

Flash memory reset (EVR)

< Attention >

When the MAIN PWB ASSY has been replaced, always reset the flash memory before making any other adjustments. Only reset the flash memory when the MAIN PWB ASSY has been replaced. If the flash memory is reset when the MAIN PWB ASSY has not been replaced, all the adjusted data reverts to the default settings. In this event, adjust all the settings. (Excludes firmware downloading.)

Enter [RESET] from the PC keyboard.

RESET

Input is completed.

Press the "Enter" key to reset the flash memory.

<Fig. 4-8-2>

-->Once the flash memory reset has been completed successfully, the [End flash memory reset] screen appears.

<Step 3>

Flash Memory Reset is completed

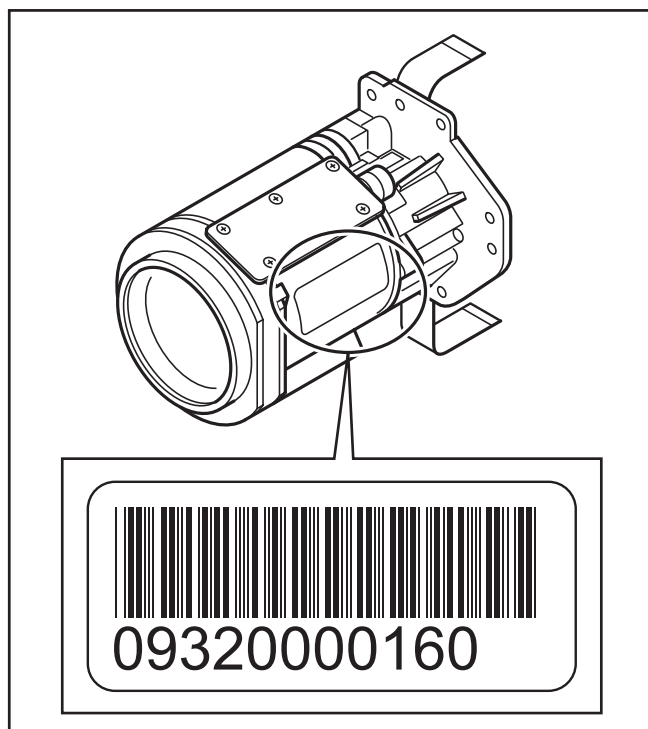
- (1) Remove the DC jack cable from the camera.
- (2) Press the [Enter] key.

<Fig. 4-8-3>

4-9. [L] : LENS Data Input

If the LENS CONST or MAIN PWB ASSY was replaced, enter the LENS data. As LENS data, simply enter the number on the lens bar code label.

Note: When replacing the MAIN PWB ASSY, always make a note of the LENS bar code label number printed on the LENS CONST.



<Fig. 4-9-1>

< Adjustment >

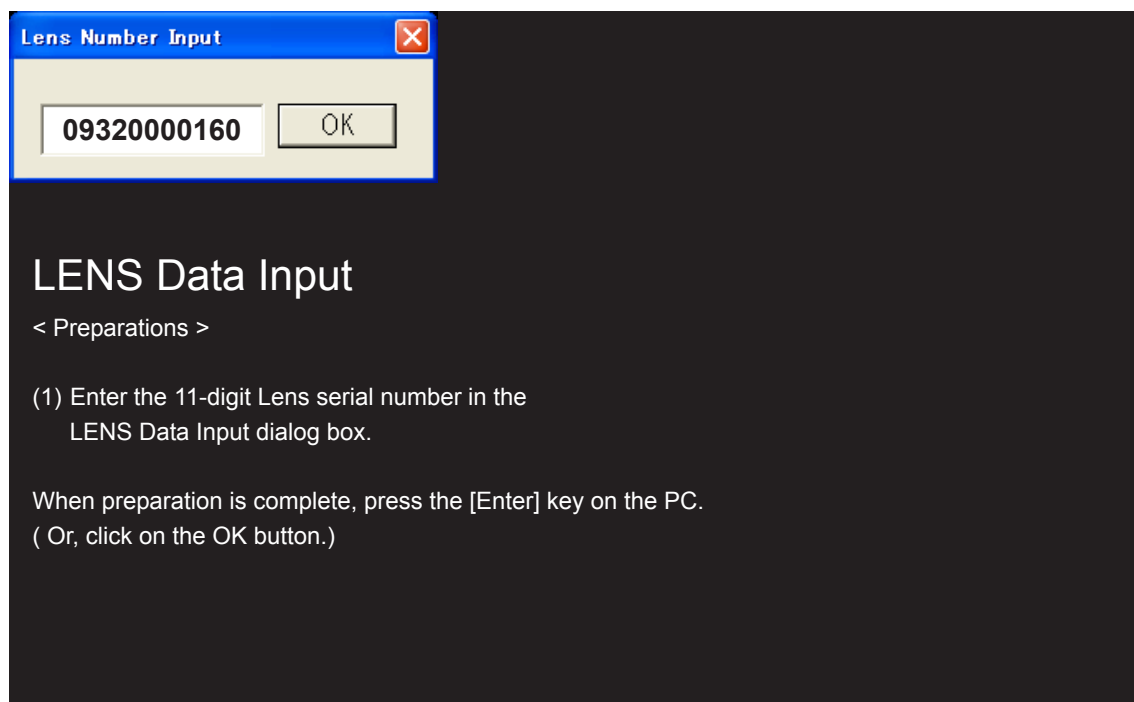
<Step 1>

Select [L] LENS Data Input on the [Adjustment Items Select] screen.

--> The [LENS Data Input Start] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.

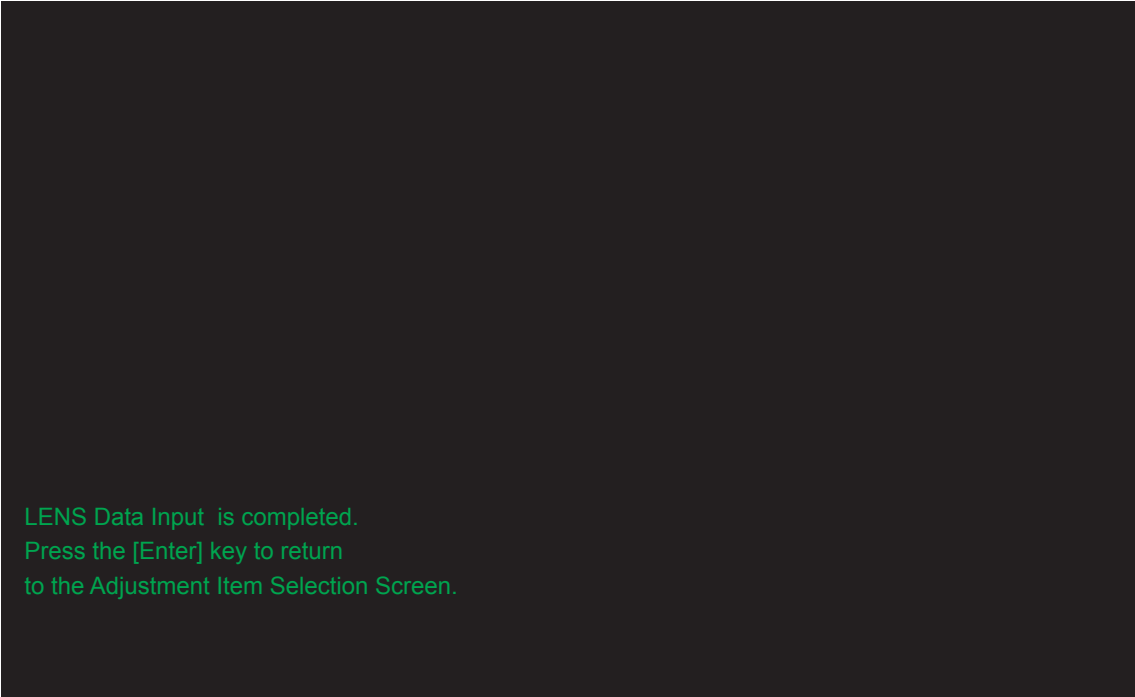


<Fig. 4-9-2>

--> Write the adjustment data to the flash ROM when adjustment has been completed correctly.

--> The [LENS Data Input Complete] screen appears.

<Step 3>



LENS Data Input is completed.
Press the [Enter] key to return
to the Adjustment Item Selection Screen.

<Fig. 4-9-3>

4-10. [F4] : CCD Data Input

CCD data input is required when the LENS ASSY or MAIN PWB ASSY is replaced.

[Method of acquiring CCD data]

1. When you exchange LENS ASSY
--> It is attached to LENS ASSY.
2. When you exchange MAIN PWB ASSY
--> Creating a CCD data floppy disk when the MAIN PWB ASSY has been replaced.
* The following example assumes the use of the serial No. shown at right.

<Step 1>

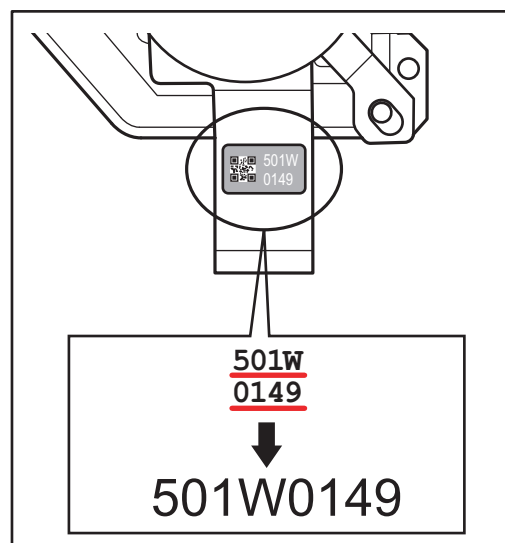
Read the serial number of LENS ASSY.

The numbers shown at right are as follows.

First line: 501W (four digits)

Bottom line: 0149 (four digits)

The name of the CCD data file containing this number is "501W0149.dat".



<Fig. 4-10-1>

Cautions:

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

<Step 2>

Download the ZIP file of top four digits from Web server (<http://fujifilm-di.intranets.com/>).

Open [ZJ00936-100] in the CCD defect data folder, and download "501W.zip".

<Step 3>

Decompress "501W.zip".

--> "501W folders" including "501W0149.dat" is made.

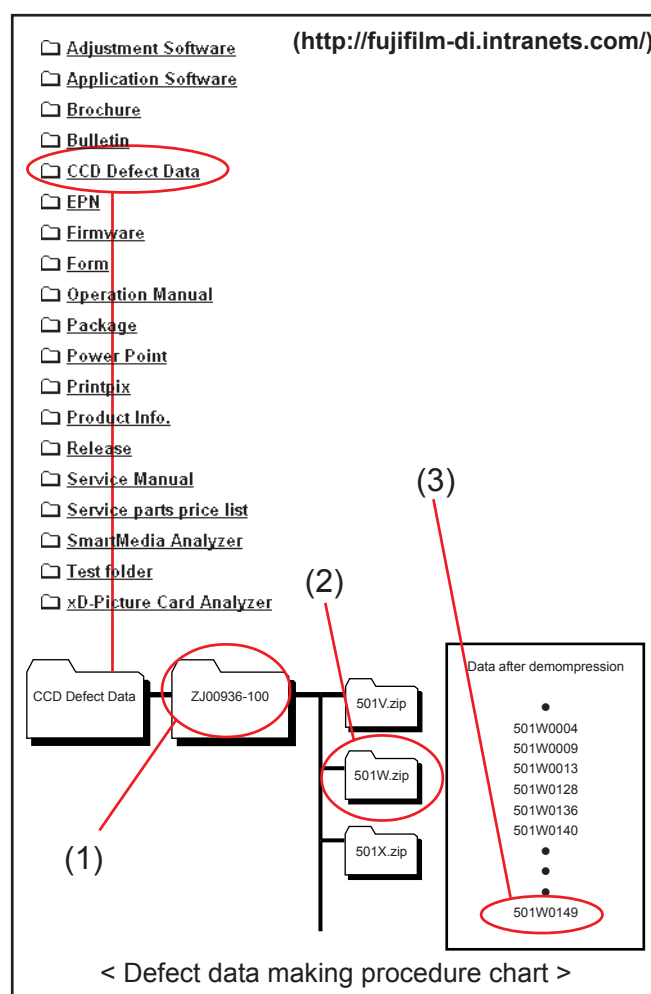
<Step 4>

Insert a writable floppy disk into the floppy disk drive on the computer.

<Step 5>

Open in "501W folders", search for "501W0149.dat", and copy it onto the floppy disk.

Caution: Do not create a folder on the floppy disk when copying the data.



< Adjustment >

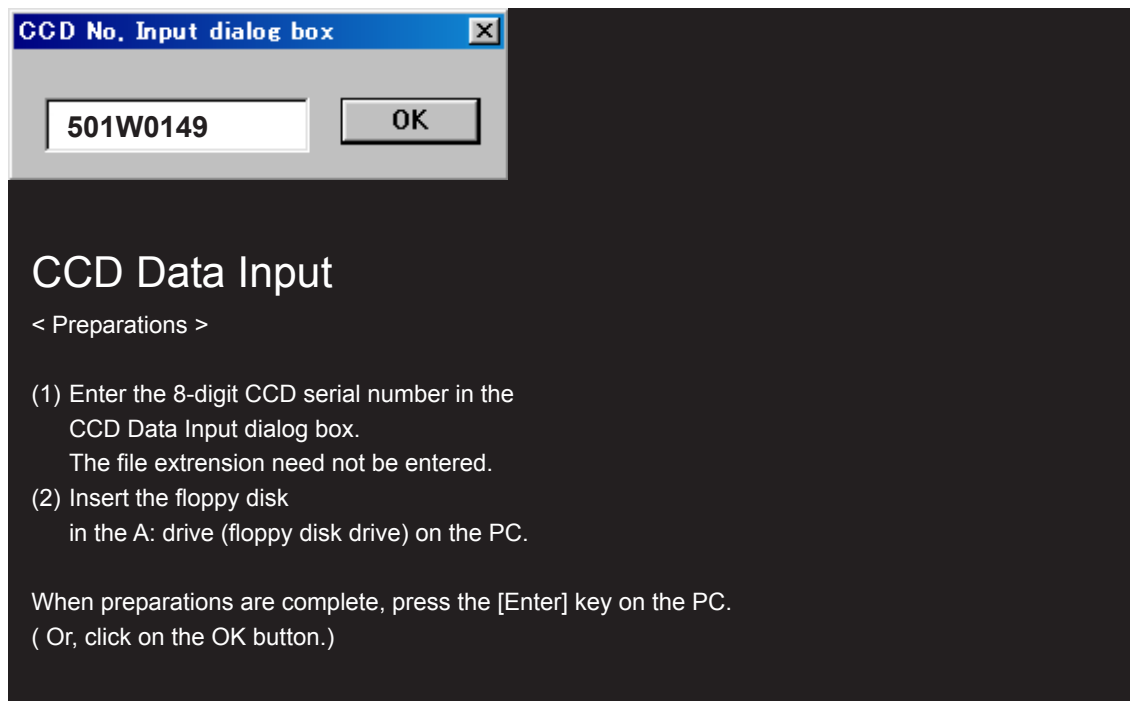
<Step 1>

Select [F4] CCD Data Input on the [Adjustment Items Select] screen.

--> The [CCD Data Input Start] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.

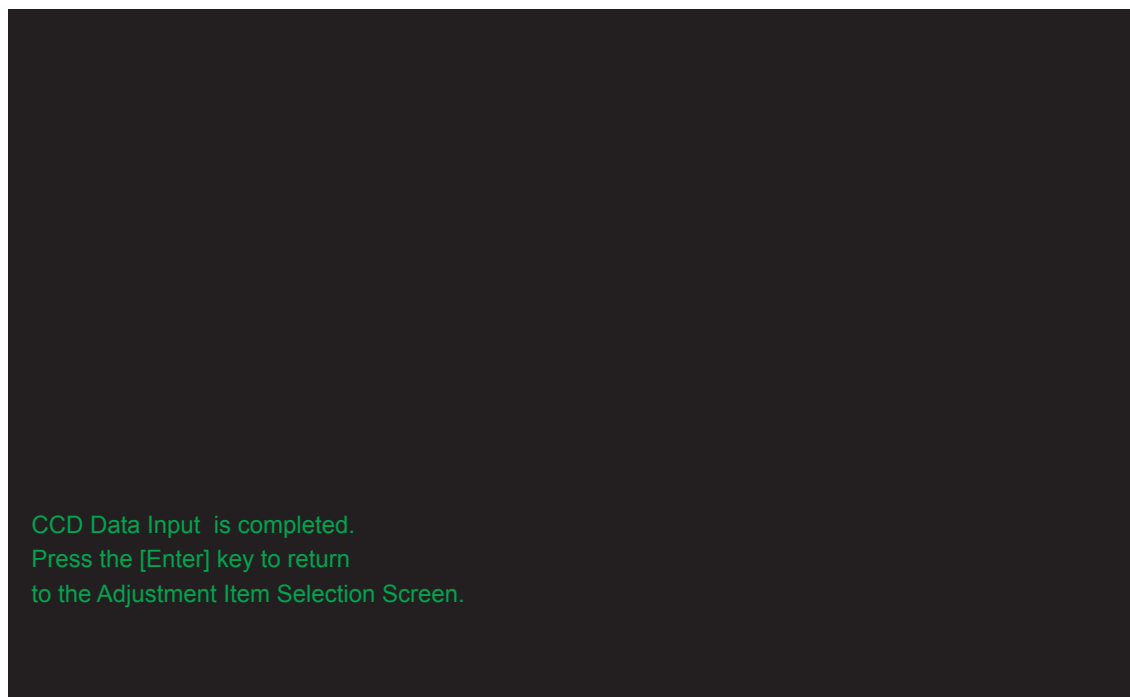


<Fig. 4-10-2>

--> Write the adjustment data to the flash ROM when adjustment has been completed correctly.

--> The [CCD Data Input Complete] screen appears.

<Step 3>



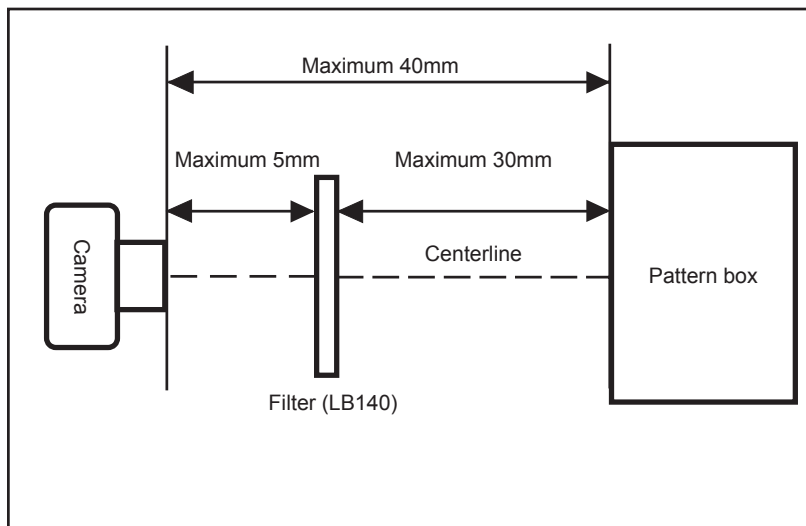
<Fig. 4-10-3>

4-11. [F5] : CAMERA Adjustment

(shutter adjustment, adjustment for reduced aperture sensitivity, ISO sensitivity adjustment, white balance adjustment, AE adjustment, offset level adjustment, Shading adjustment)

< Setup for Camera Adjustment >

Finish the calibration of the pattern box before CAMERA adjustment.



<Step 1>

Select [F5] CAMERA Adjustment on the [Adjustment Items Select] screen.

--> The [CAMERA Adjustment Preparation] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.

CAMERA Adjustment

< CAMERA Adjustment Preparations >

- (1) Prepare the LB140 filter.
- (2) Adjust the color temperature of the pattern box (PTB450) to $6100 \pm 50K$.
- (3) Adjust the luminance of the pattern box (PTB450) to $160 \pm 5cd/m^2$.
- (4) Fix the camera on a tripod and set it in front of the pattern box.

When preparations (1)-(4) are complete, press the [Enter] key on the PC.

--> The lens is extended when the [Enter] key is pressed.

<Fig. 4-11-1>

<Note>

An error will occur during CAMERA adjustment, and adjustment cannot be completed, unless the pattern box is calibrated correctly.

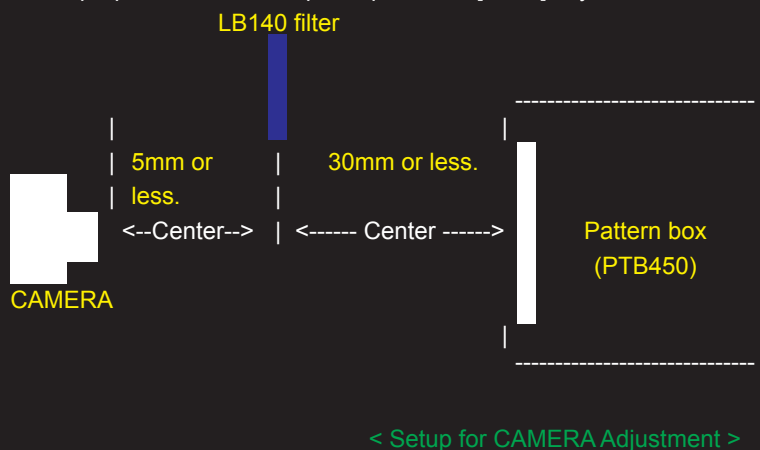
--> The [Shutter adjustment(without filter)] screen appears.

<Step 3>

Shutter adjustment

- (1) Set the distance between the camera and pattern box.
- (2) The LB140 filter is not placed in front of the lens.

When preparations are complete, press the [Enter] key.



<Fig. 4-11-2>

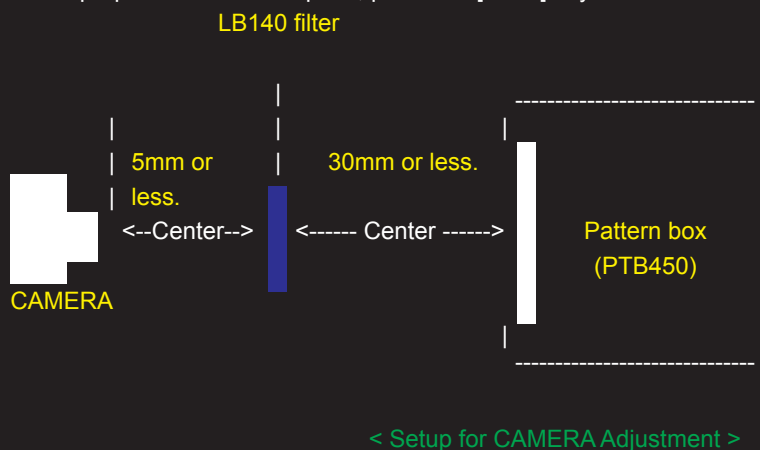
--> The [Squeezing sensitivity decrease rate adjustment (with filter)] screen appears.

<Step 4>

Squeezing sensitivity decrease rate adjustment

- (1) Set the distance between the camera and pattern box.
- (2) Place the LB140 filter in front of the lens.

When preparations are complete, press the [Enter] key.



<Fig. 4-11-3>

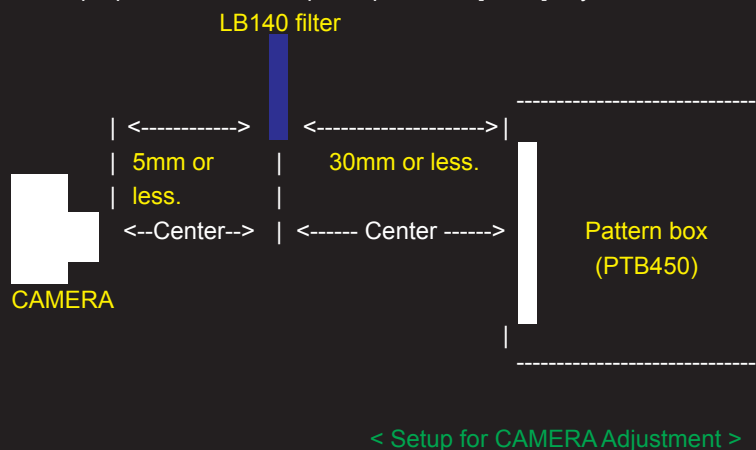
--> The [OFD sensibility adjustment (without filter)] screen appears.

<Step 5>

OFD sensibility adjustment

- (1) Set the distance between the camera and pattern box.
- (2) The LB140 filter is not placed in front of the lens.

When preparations are complete, press the [Enter] key.



<Fig. 4-11-4>

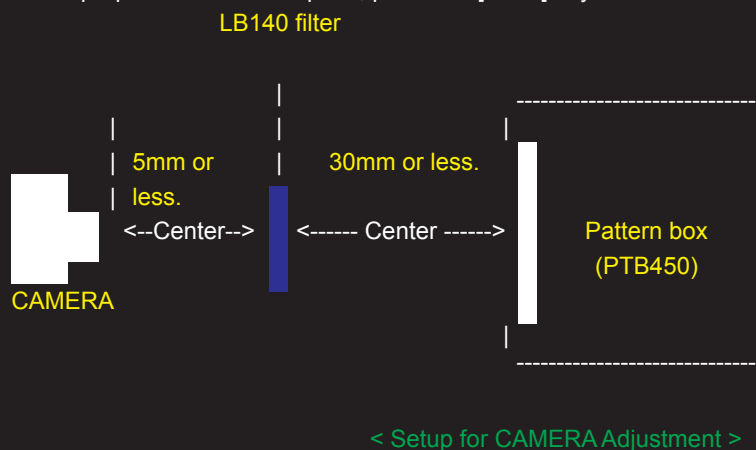
--> The [WB adjustment with filter] screen appears.

<Step 6>

WB adjustment with filter

- (1) Set the distance between the camera and pattern box.
- (2) Place the LB140 filter in front of the lens.

When preparations are complete, press the [Enter] key.



<Fig. 4-11-5>

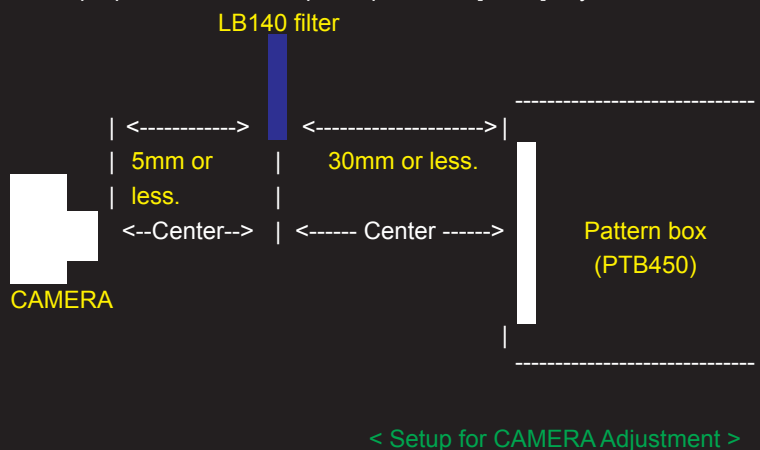
--> The [WB adjustment without filter] screen appears.

<Step 7>

WB adjustment without filter

- (1) Set the distance between the camera and pattern box.
- (2) Remove the LB140 filter from front of the lens.

When preparations are complete, press the [Enter] key.



<Fig. 4-11-6>

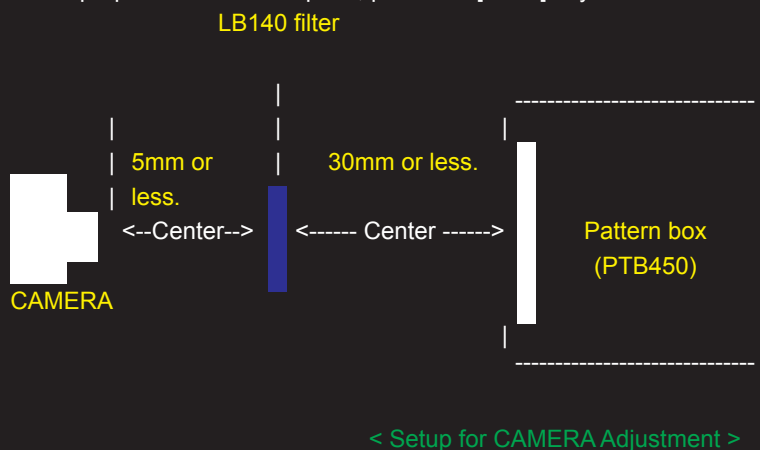
--> The [WB adjustment Hi with filter] screen appears.

<Step 8>

WB adjustment Hi with filter

- (1) Set the distance between the camera and pattern box.
- (2) Place the LB140 filter in front of the lens.

When preparations are complete, press the [Enter] key.



<Fig. 4-11-7>

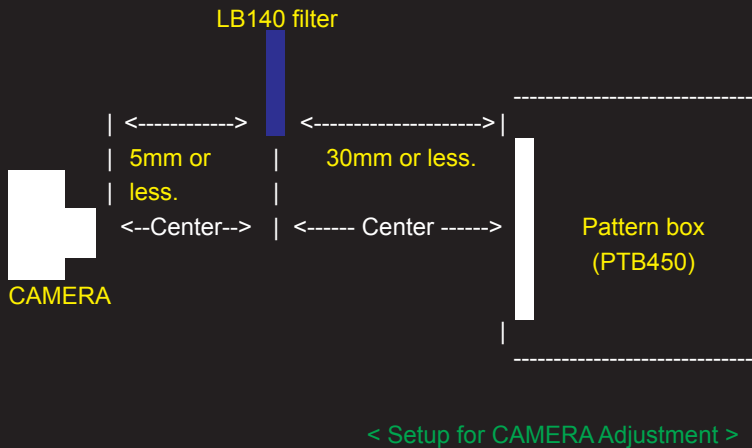
--> The [WB adjustment Hi without filter] screen appears.

<Step 9>

WB adjustment Hi without filter

- (1) Set the distance between the camera and pattern box.
- (2) Remove the LB140 filter from front of the lens.

When preparations are complete, press the [Enter] key.



<Fig. 4-11-8>

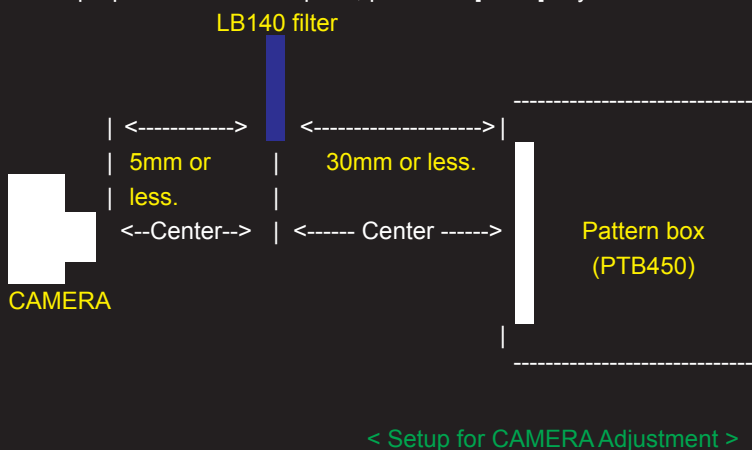
--> The [Shading compensation] screen appears.

<Step 10>

Shading compensation

- (1) Set the distance between the camera and pattern box.
- (2) Remove the LB140 filter from front of the lens.

When preparations are complete, press the [Enter] key.

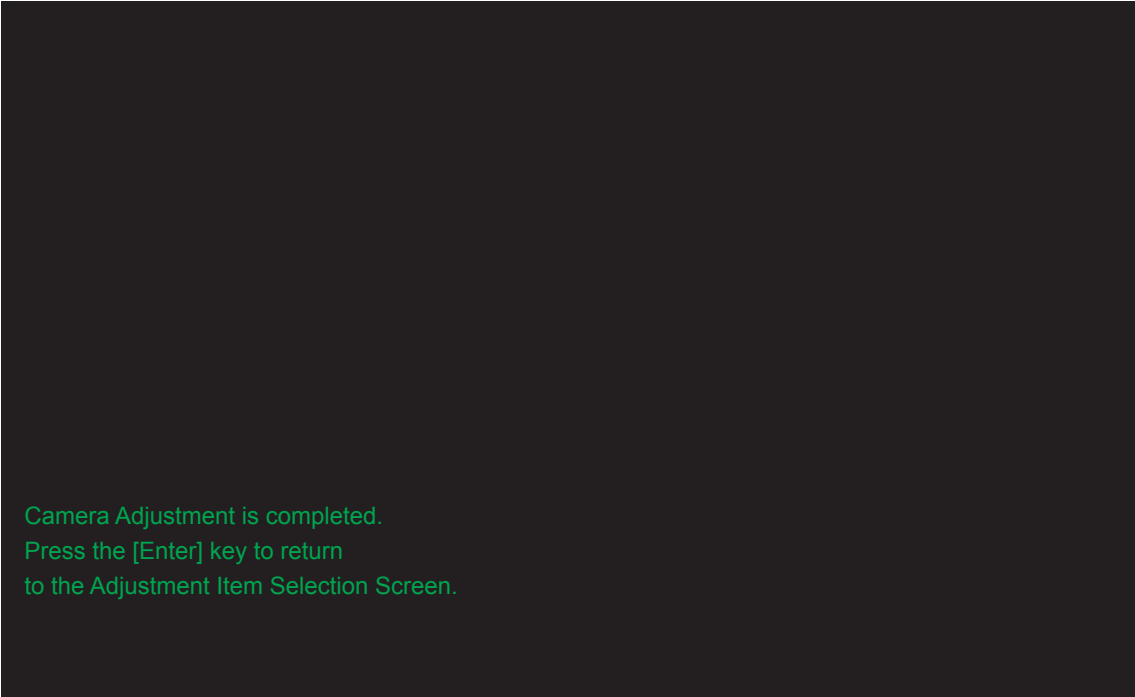


<Fig. 4-11-9>

--> Write the adjustment data to the flash ROM when adjustment has been completed correctly.

--> The [CAMERA Adjustment Complete] screen appears.

<Step 8>



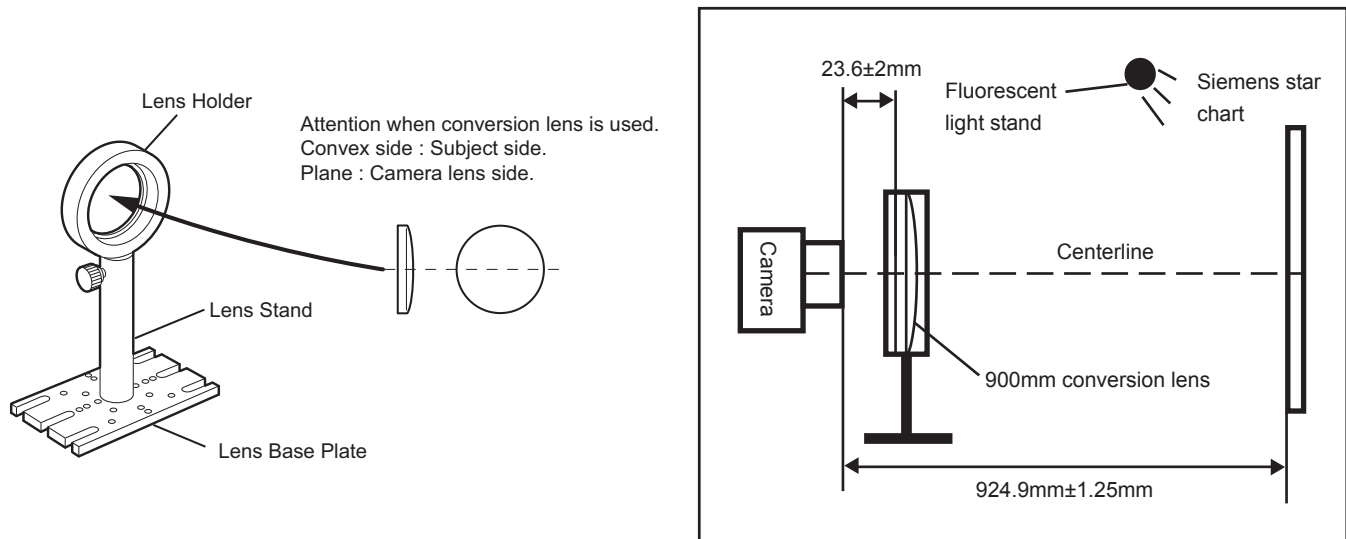
Camera Adjustment is completed.
Press the [Enter] key to return
to the Adjustment Item Selection Screen.

<Fig. 4-11-10>

4-12. [F6] : AF Adjustment

<Setup for AF Adjustment>

- (1) Adjust the distance between the Siemens star chart and the lens front of the camera to "23.6±2mm"
- (2) Illuminate the AF chart with a light source. Ensure that the brightness at the surface of the AF chart is between 9.0 and 11.5EV.
- (3) Place the conversion lens concentric with the camera lens.



<Step 1>

Select [F6] AF Adjustment on the [Adjustment Items Select] screen.

—> The [AF Adjustment Preparation] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.

<Note>

Always use a **900mm** conversion lens.

AF Adjustment

< AF Adjustment Preparations >

- (1) Prepare a 900mm conversion lens.
- (2) Prepare a AF chart.
- (3) Mount the camera on a tripod.

When preparations (1) - (3) are complete,
press the [Enter] key on the PC.

<Fig. 4-12-1>

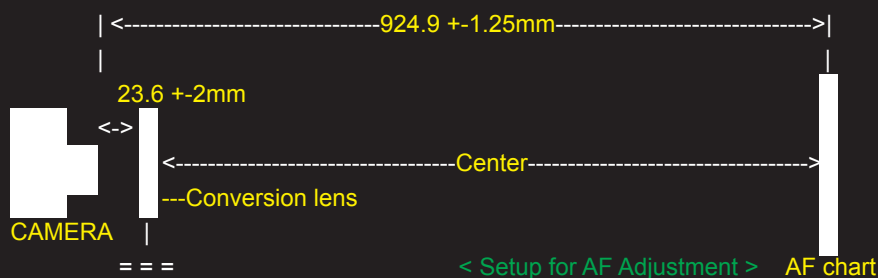
—> The [AF Adjustment (INF) Start] screen appears.

<Step 3>

AF Adjustment

- (1) Place the Siemens star chart at a distance of $924.9 \pm 1.25\text{mm}$ from the lens-face of the conversion lens.
- (2) Place the conversion lens at a distance of $23.6 \pm 2\text{mm}$ from the lens-face of the lens.
- (3) Adjust the position of the camera so that the center of the AF chart is displayed in the camera LCD.

When preparations (1) - (3) are complete,
press the [Enter] key on the PC.



<Fig. 4-12-2>

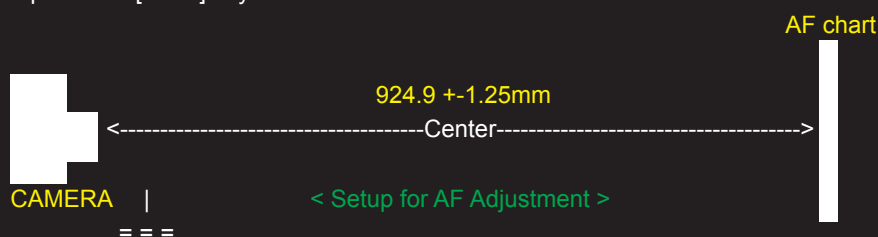
—> Write the adjustment data to the flash ROM when adjustment has been completed correctly.

<Step 4>

AF-900mm Adjustment

- (1) Remove the conversion lens.
- (2) Adjust the position of the camera so that the center of the AF chart is displayed in the camera LCD.

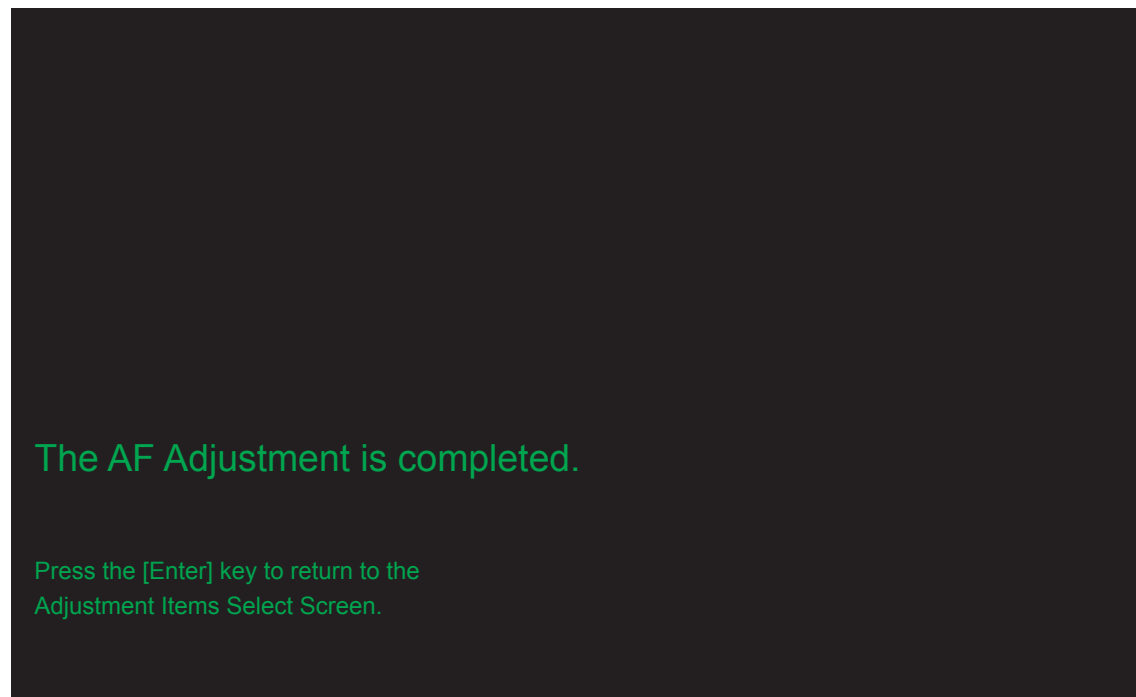
When preparations (1) - (2) are complete,
press the [Enter] key.



<Fig. 4-12-3>

—> The [AF Adjustment Complete] screen appears.

<Step 5>

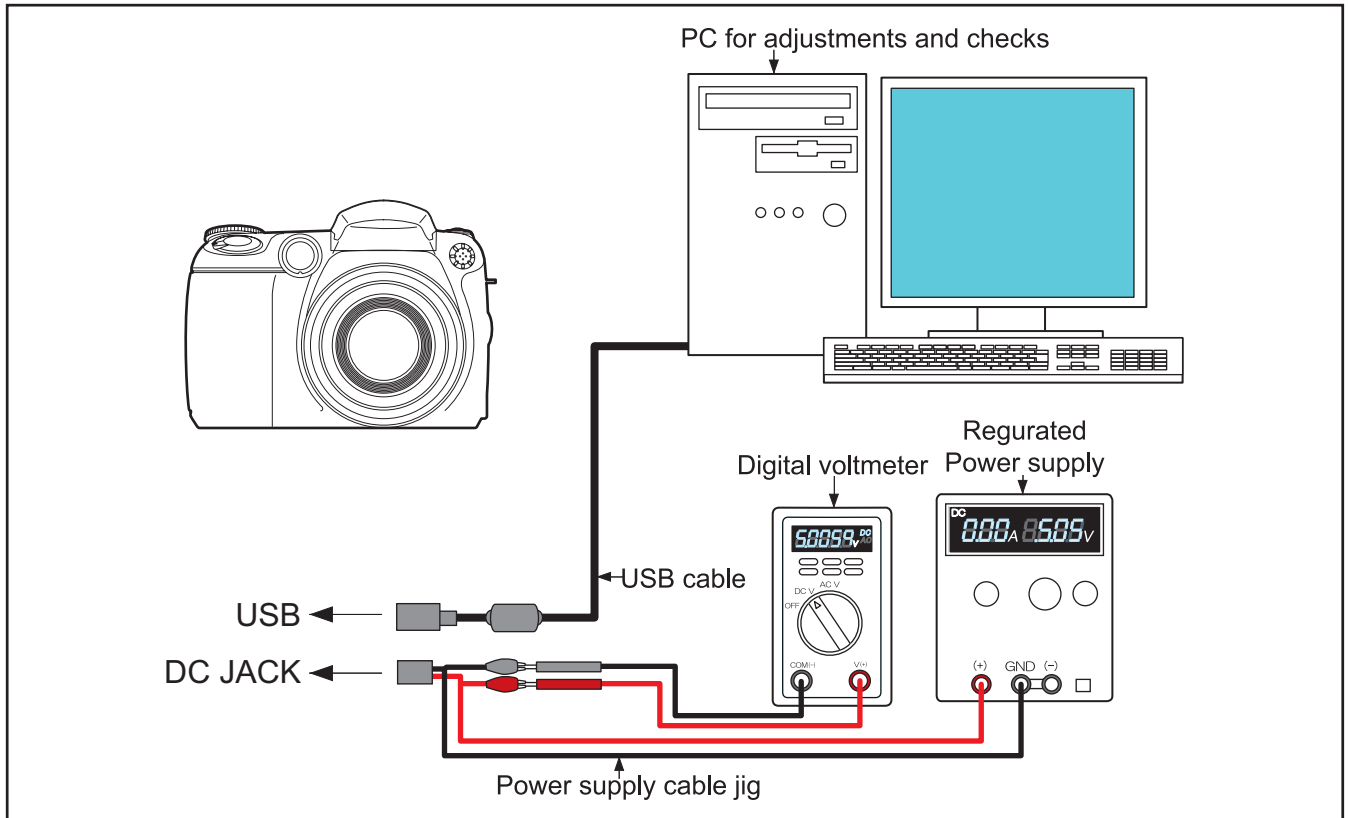


<Fig. 4-12-4>

4-13. [F1] : Battery Voltage Adjustment

<Setup for Flash Adjustment>

- (1) When adjusting the battery voltage, supply power (3.70V) to the camera from the **[Power Cable Jig]** before setting the jig mode.
- (2) Always measure input voltage in the vicinity of the DC IN terminal.
- (3) When reducing the voltage, adjust the stabilized power supply to ensure that the voltage is not reduced excessively from the measured point. The adjustment software may produce an error if communication between the adjustment software and the camera is disrupted. Restart the adjustment software in this case.



<Step 1>

Select [F1] Battery Voltage Adjustment on the [Adjustment Items Select] screen.

—> The [Battery Voltage Adjustment Preparation] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.

Battery Voltage Adjustment

<Preparations>

1. Check that the Power Cable Jig and the camera are connected.
*If not, return to the Jig Mode Setup screen,
and connect the Power Cable Jig and the camera.
2. Supply power (5.0V) to the camera from the
[Power Cable Jig].

When preparations are complete, press the [Enter] key on the PC.
---> Lens is extended when the [Enter] key is pressed.

<Fig. 4-13-1>

—> The [4.40V Input] screen appears.

<Step 3>

Battery Voltage Adjustment

- (1) Supply 4.40V (+0.02V/-0.00V).
When preparations are complete, press the [Enter] key.

<Fig. 4-13-2>

—> The [4.00V Input] screen appears.

<Step 4>

Battery Voltage Adjustment

(1) Supply 4.40V (+0.02V/-0.00V).

When preparations are complete, press the [Enter] key.

Result= **

(2) Supply 4.00V (+0.02V/-0.00V).

When preparations are complete, press the [Enter] key.

<Fig. 4-13-3>

—> The [7.20V Input] screen appears.

<Step 5>

Battery Voltage Adjustment

(1) Supply 4.40V (+0.02V/-0.00V).

When preparations are complete, press the [Enter] key.

Result= **

(2) Supply 4.00V (+0.02V/-0.00V).

When preparations are complete, press the [Enter] key.

Result= **

(3) Supply 7.20V (+0.02V/-0.00V).

When preparations are complete, press the [Enter] key.

<Fig. 4-13-4>

—> The [5.0V Input] screen appears.

<Step 6>

Battery Voltage Adjustment

- (1) Supply 4.40V (+0.02V/-0.00V).
When preparations are complete, press the [Enter] key.
Result= **
- (2) Supply 4.00V (+0.02V/-0.00V).
When preparations are complete, press the [Enter] key.
Result= **
- (3) Supply 7.20V (+-0.05V).
When preparations are complete, press the [Enter] key.
Result= **
- (4) Supply 5.0V (+-0.1V).
When preparations are complete, press the [Enter] key.

<Fig. 4-13-5>

- > Write the adjustment data to the Flash ROM when adjustment has been completed correctly.
- > The [Battery Voltage Adjustment Complete] screen appears.

<Step 7>

The Battery Adjustment is completed.

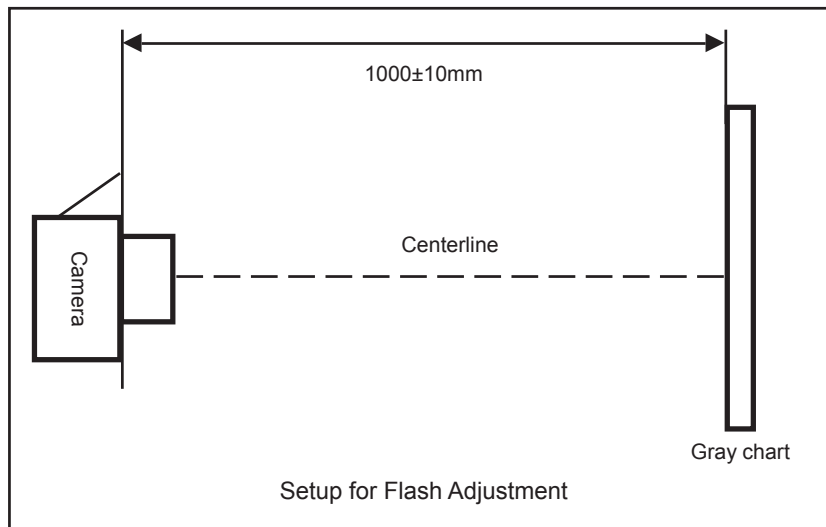
Press the [Enter] key to return to the
Adjustment Item selection Screen.

<Fig. 4-13-6>

4-14. [F7] : Flash Adjustment

<Setup for Flash Adjustment>

- (1) As flash adjustment is readily affected by external light, ensure that the vicinity of the gray chart is very dark.
- (2) Ensure that distance is measured from the front of the camera during flash adjustment.
- (3) When adjusting the flash, always ensure that AF adjustment is complete before beginning flash adjustment.



<Step 1>

Select [F7] Flash Adjustment on the [Adjustment Items Select] screen.

--> The [Flash Adjustment Preparation] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.

Flash Adjustment

< Preparations >

- (1) Prepare a gray chart (1000mm x 1000mm or more).
- (2) Mount the camera on a tripod.
- (3) Put the gray chart from the front side of the flash on the place of $1000\text{mm} \pm 10\text{mm}$.

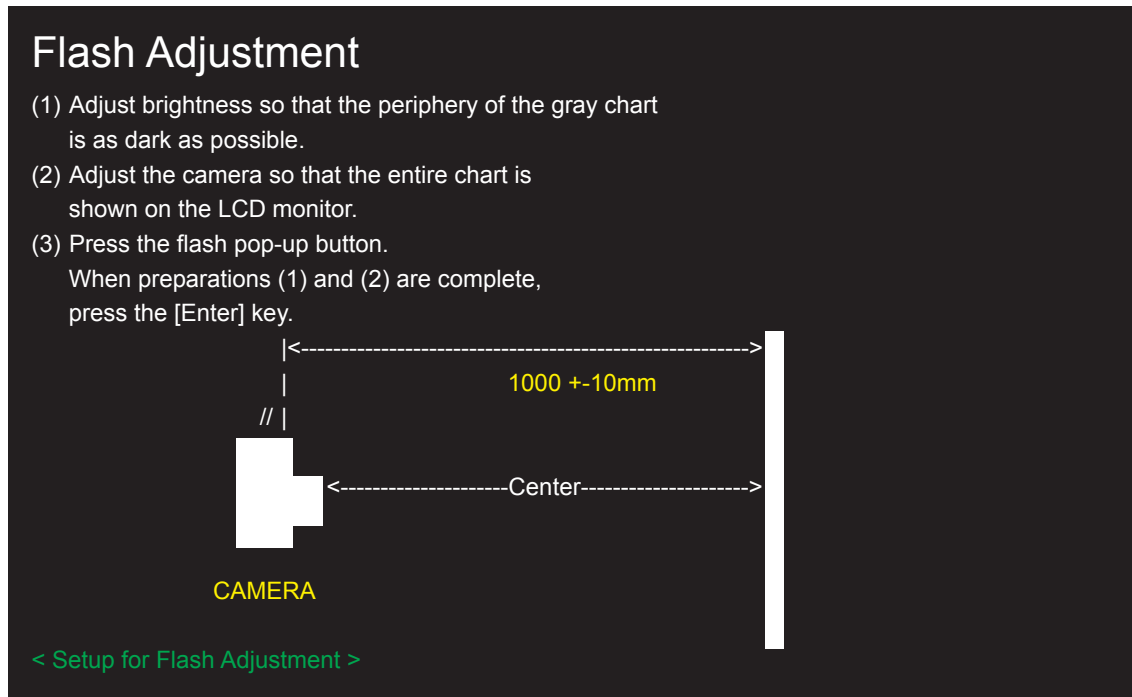
When preparations (1) - (3) are complete,
press the [Enter] key.

---> Lens is extended when the [Enter] key is pressed.

<Fig. 4-14-1>

--> The [Flash Adjustment Start] screen appears.

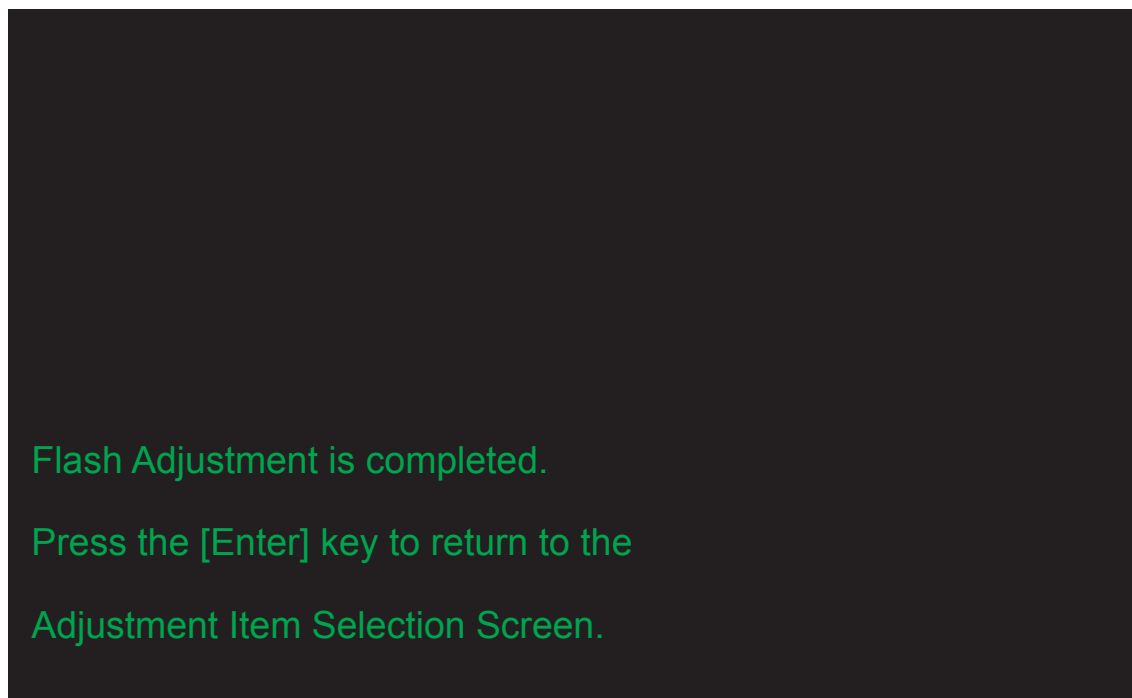
<Step 3>



<Fig. 4-14-2>

- > Write the adjustment data to the flash ROM when adjustment has been completed correctly.
- > The [Flash Adjustment Complete] screen appears.

<Step 4>

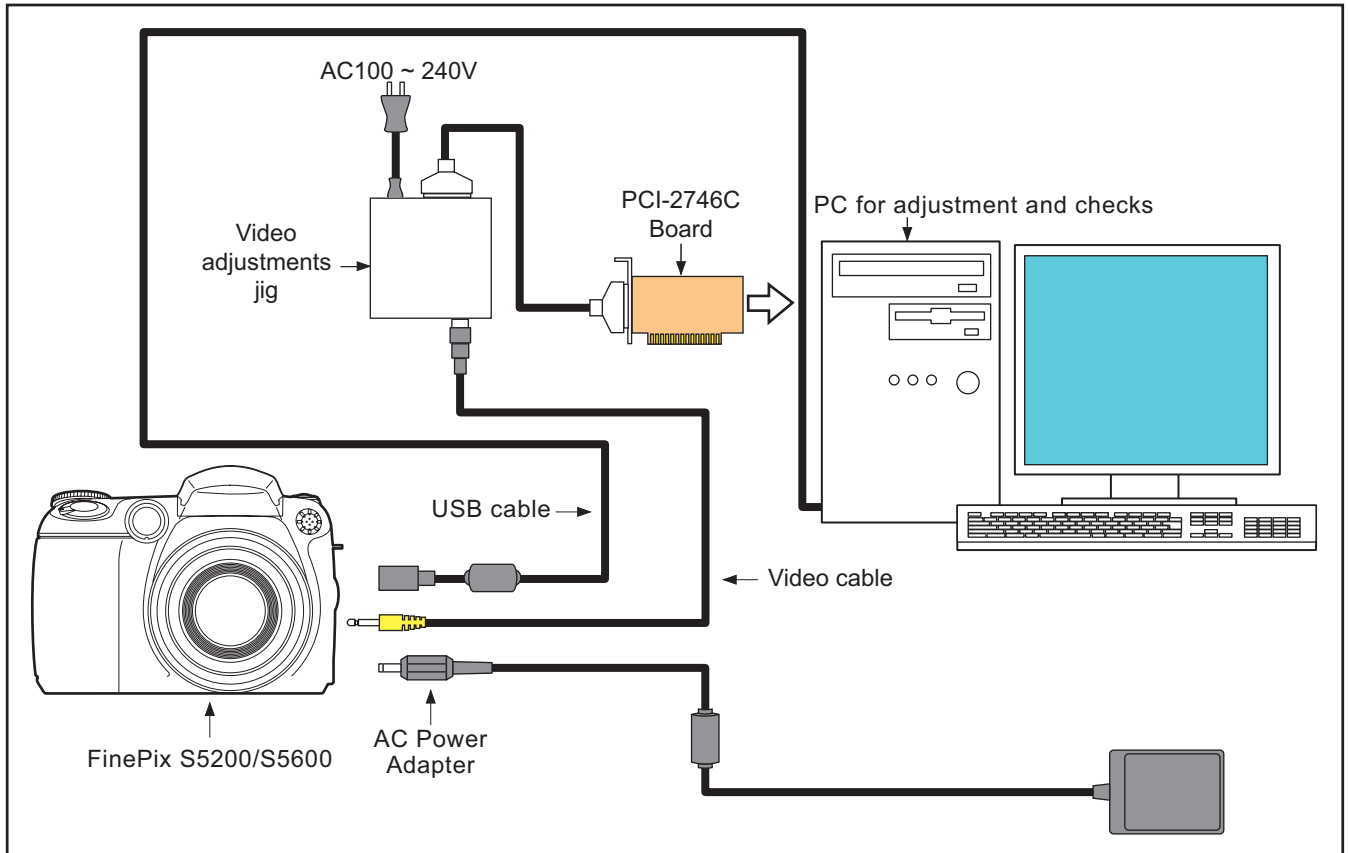


<Fig. 4-14-3>

4-15. [F11] : Video Adjustment

<Setup for Video Adjustment>

- (1) Set up the PCI-2746C board in the computer as explained in the instructions for the video adjustment jig.
- (2) If the waveform of the brightness signal (Y) or color signal (C) does not appear in the "WAVE No. 0" window during adjustments, check the connections of the video adjustment jig.



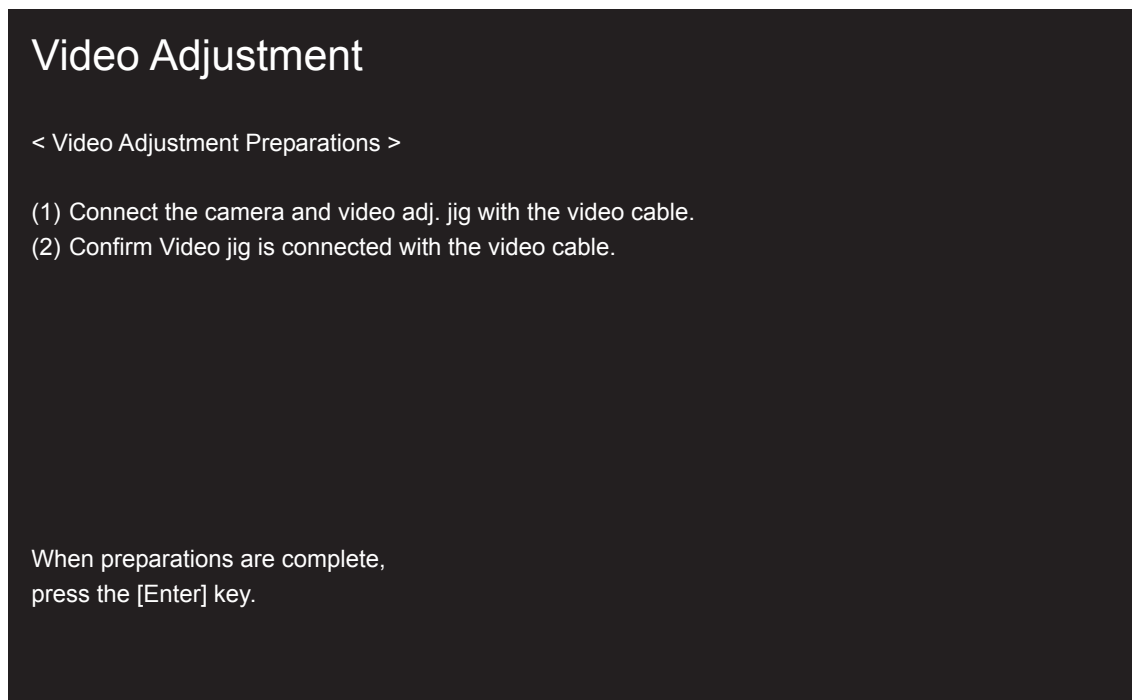
<Step 1>

Select [F11] Video Adjustment on the [Adjustment Items Select] screen.

—> The [Video Adjustment Preparation] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.

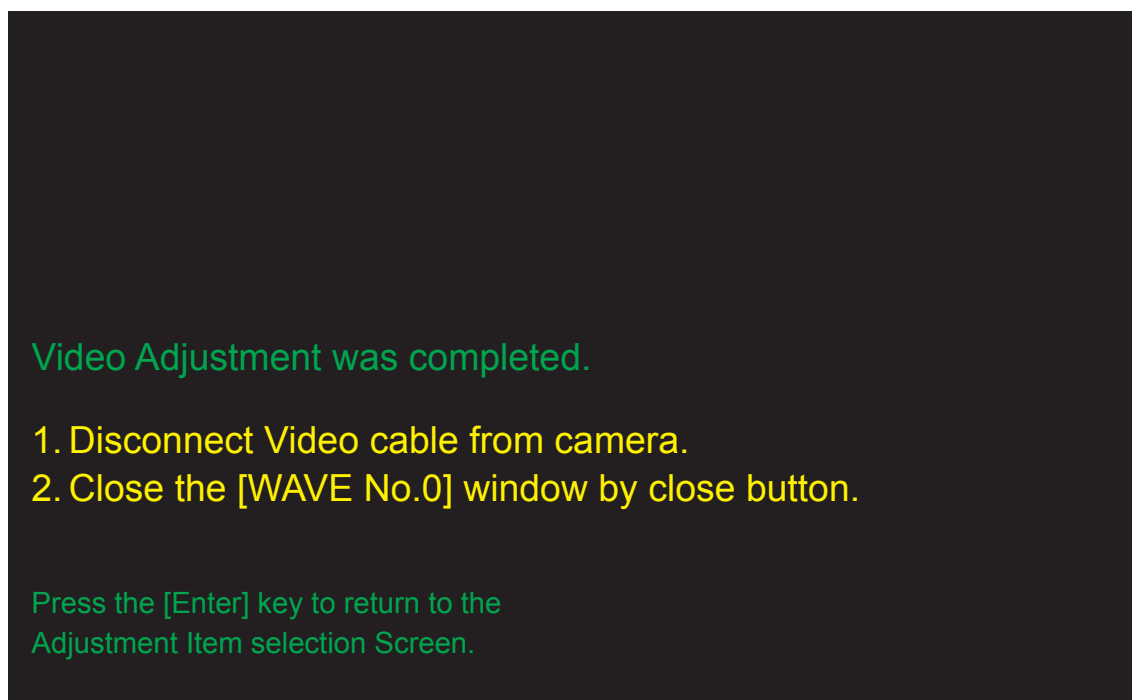


<Fig. 4-15-1>

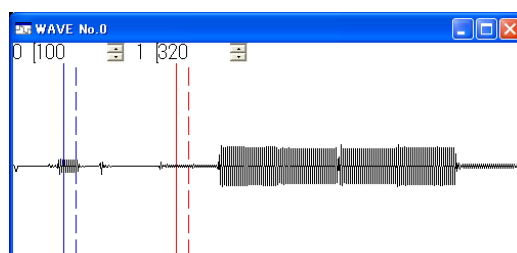
—> Write the adjustment data to the Flash ROM when adjustment has been completed correctly.

—> The [VIDEO Adjustment Complete] screen appears.

<Step 3>



<Fig. 4-15-2>

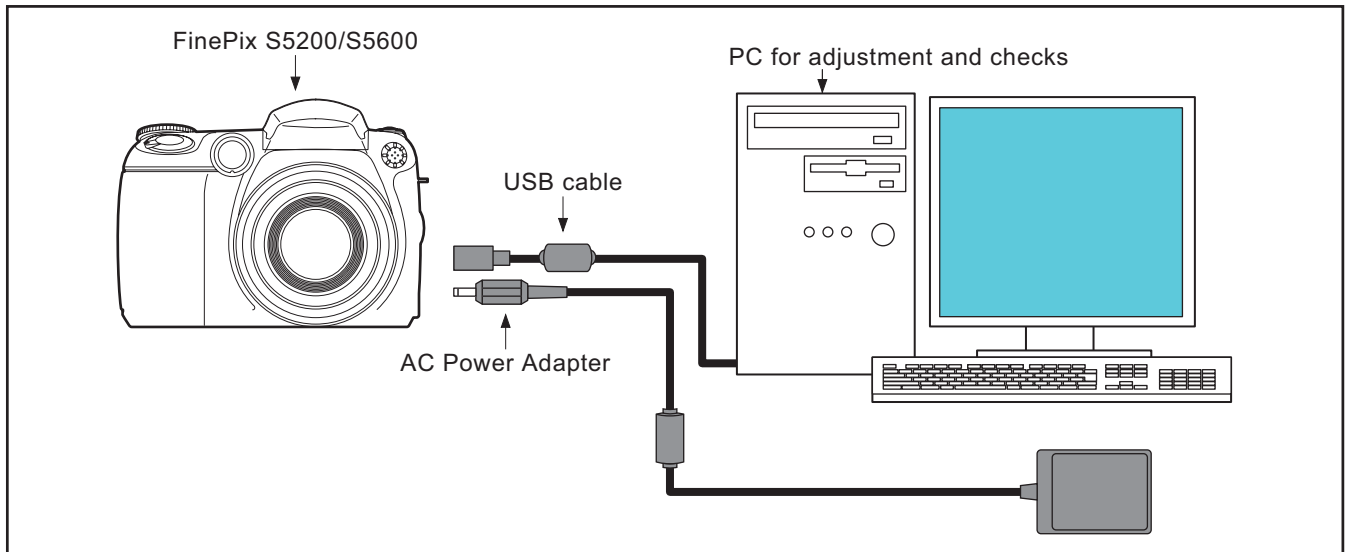


<Fig. 4-15-3>

4-16. [F8] : Firmware Download

Attention : When the download of the firmware is needed, FUJI SERVICE BULLETIN is contacted from FTYO/QA. Till then, disregard this item.

<Setup for Firmware Download>



<Step 1>

Select [F8] Firmware Download on the [Adjustment Items Select] screen.

—> The [Firmware Download Start] screen appears.

<Step 2>

Run the adjustment in accordance with the instructions on the screen.

Firmware Download

LED lights to orange while downloading the firmware.

Do not turn off the power while downloading the firmware.

c:\FinePixS5200_5600_W\Firmwear\SU1760RSC.bin

Press the ENTER Key to start download.

<Fig. 4-16-1>

—> The [Download Complete] screen appears if download is successful.

<Step 3>

Firmware download is completed

- (1) Remove the Power cable jig from the camera.
- (2) Turn off power switch.
- (3) Reconnect Power cable jig.
- (4) Turn on the power switch while pressing the shutter button.
- (5) Press the [Enter] key after green LED lights on.

The system returns to the Jig Mode Setup screen
when press the [Enter] key.

<Fig. 4-16-2>

4-17. [F12] : End Setting

(Destination setting, USB ID write, Product mode setting)

- The End setting consist of the following settings.
 - * Destination setting
 - * USB ID write
 - * Product mode setting (mass storage identification)
- The setting must always be run when the adjustment software is terminated. Failure to run Terminal Setting will prevent identification as Mass Storage when the camera is connected to the PC.
- USB ID write details
 - 1) USB ID write requires that the USB device (in this case FinePix S5200_5600) be unique throughout the world. For this reason, each device has a unique ID as determined by the USB standard. If multiple devices with the same USB ID are connected to a single PC, the PC will be unable to identify each USB device, thus preventing operation.

Item	Details			
Repair Date	Date information is acquired from the PC and written.			
Administrator ID	01(01)			
Repair Station	U.S.A.	61(a)	SAPPORO	30(0)
	CANADA	62(b)	SENDAI	31(1)
	HAWAII	63(c)	TOKYO	33(3)
	TAIWAN	64(d)	NAGOYA	34(4)
	ENGLAND	66(f)	OSAKA	35(5)
	GERMANY	67(g)	HIROSHIMA	37(7)
	FRANCE	68(h)	FUKUOKA	38(8)
	SPAIN	69(i)		
	ITALY	6A(j)		
	NETHERLANDS	6B(k)		
	BELGIUM	6C(l)		
	SWEDEN	6D(m)		
	SWITZERLAND	6E(n)		
	NORWAY	6F(o)		
	FINLAND	70(p)		
	SINGAPORE	71(q)		
	CHINA	74(t)		
	OTHER	7A(z)		
Repair Serial No.	A serial No. is assigned automatically and written			

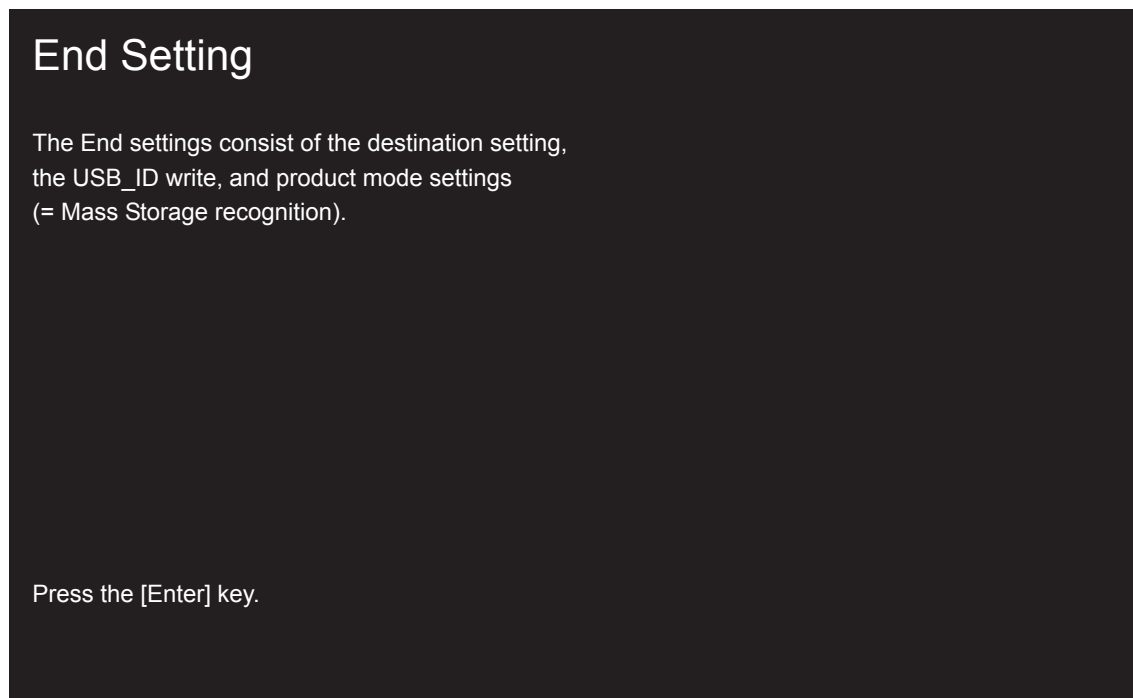
<Step 1>

Select [F12] End Setting on the [Adjustment Items Select] screen.

—> The [End Setting Description] screen appears.

<Step 2>

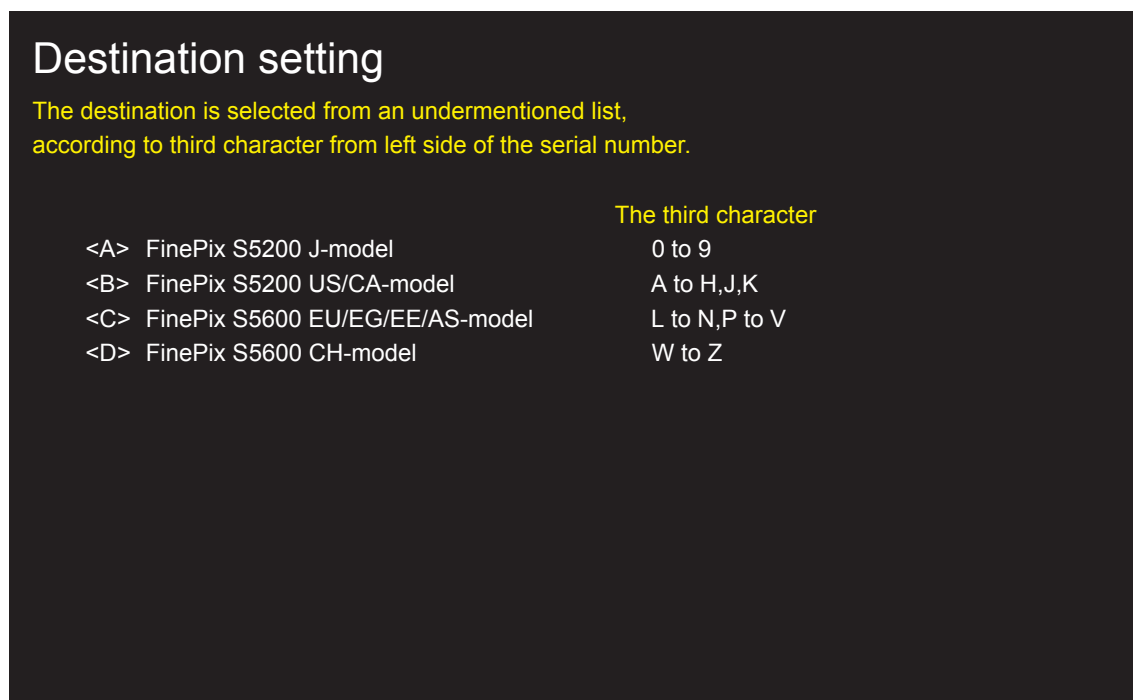
Run the adjustment in accordance with the instructions on the screen.



<Fig. 4-17-1>

—> The [Destination Setting] screen appears.

<Step 3>



<Fig. 4-17-2>

<Note>

This example assumes that US-Model has been selected. The following screen therefore appears.

—> The [US-Model selected] screen appears.

<Step 4>

Destination setting

The destination is selected from an undermentioned list,
according to third character from left side of the serial number.

	The third character
<A> FinePix S5200 J-model	0 to 9
 FinePix S5200 US/CA-model	A to H,J,K
<C> FinePix S5600 EU/EG/EE/AS-model	L to N,P to V
<D> FinePix S5600 CH-model	W to Z

Selected FinePix S5200 US/CA-model.

Press the [Enter] key!

<Fig. 4-17-3>

—> The [USB ID Writing] screen appears.

<Step 5>

Repair site ID input menu

The repair site is selected from an undermentioned list.

<A> SAPPORO SS	<M> BRITAIN
 SENDAI SS	<N> GERMANY
<C> TOKYO SS	<O> FRANCE
<D> NAGOYA SS	<P> SPAIN
<E> OSAKA SS	<Q> ITALY
<F> HIROSHIMA SS	<R> NETHERLANDS
<G> FUKUOKA SS	<S> BELGIUM
<H> U.S.A.	<T> SWEDEN
<I> CANADA	<U> SWITZERLAND
<J> HAWAII	<V> NORWAY
<K> TAIWAN	<W> FINLAND
	<X> SINGAPORE
<L> CHINA	<Z> OTHERS

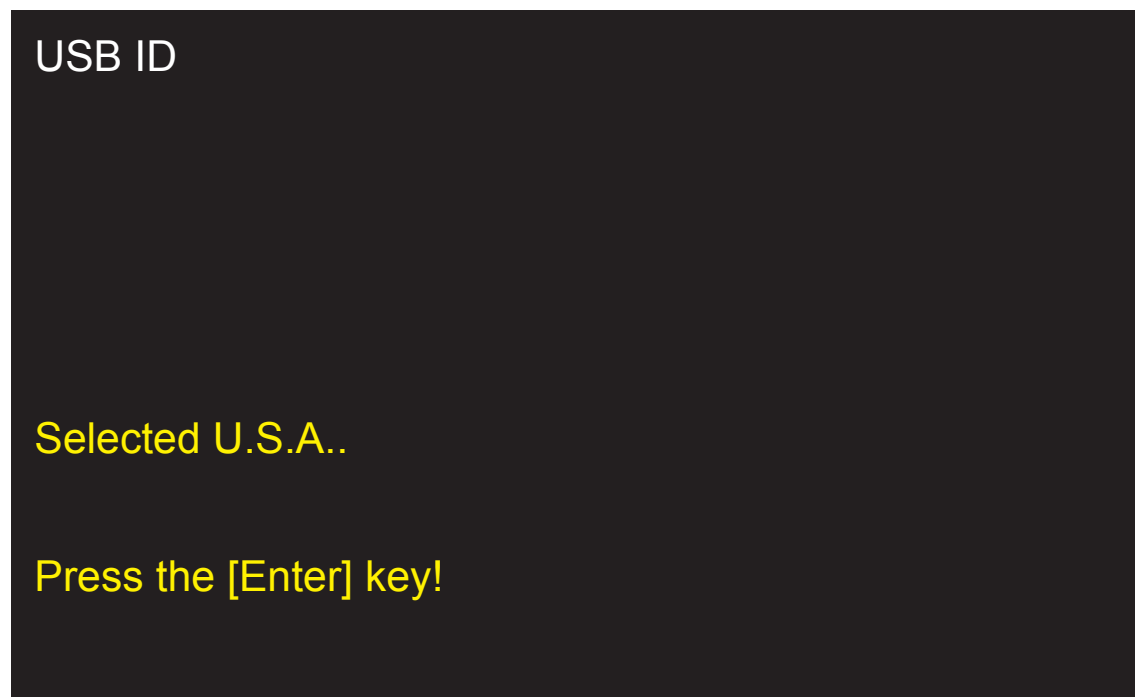
<Fig. 4-17-4>

<Note>

This example assumes that <H>U.S.A. has been selected. The following screen therefore appears.

—> The [USB_ID U.S.A.] screen appears.

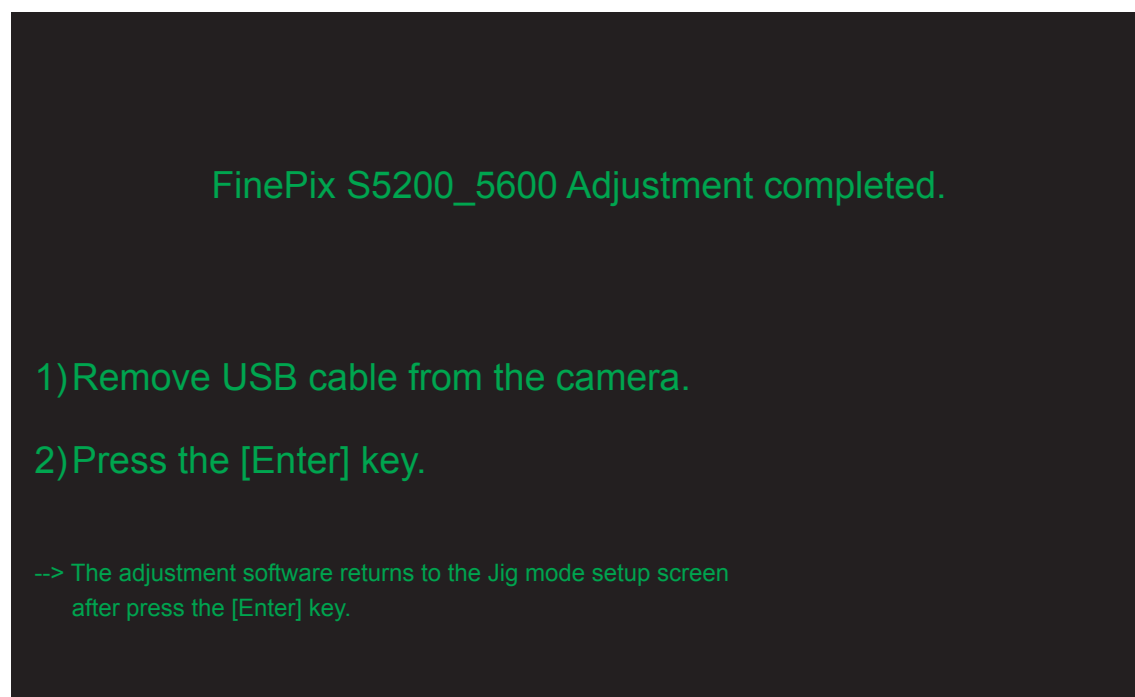
<Step 6>



<Fig. 4-17-5>

—> The [FinePix S5200_5600 Adjustment End] screen appears.

<Step 7>



<Fig. 4-17-6>

5. Inspection

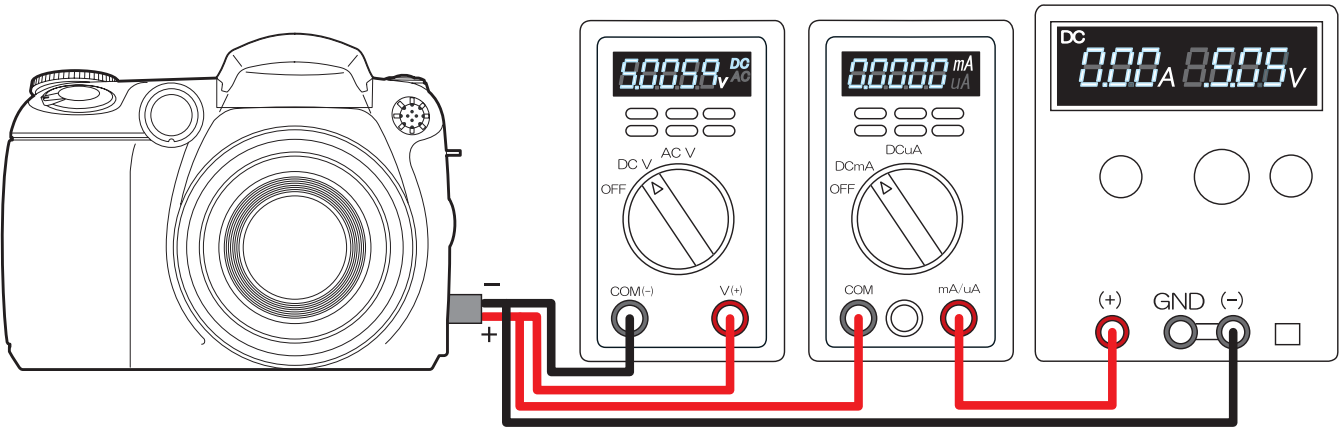
5-1. Required Measuring Equipment

Measuring equipment	Remarks
Power supply	AC adapter (AC-5V), Regurated power supply
Digital voltmeter	For general use
Ammeter	For general use (able to measure 1mA or less)
Power Cable Jig	Common with adjustment JIG (ZJ00580-100)
xD-Picture card	For general use
Macro Chart	Resolution confirmation (ZJ00525-100)
TV Monitor	TV monitor, minimum resolution 600 lines
LCD INSPECTION DATA	Download and use ZJ00885-100
Vectorscope	For general use

5-2. Connection of Measuring Equipment

Use Power Cable Jig.

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

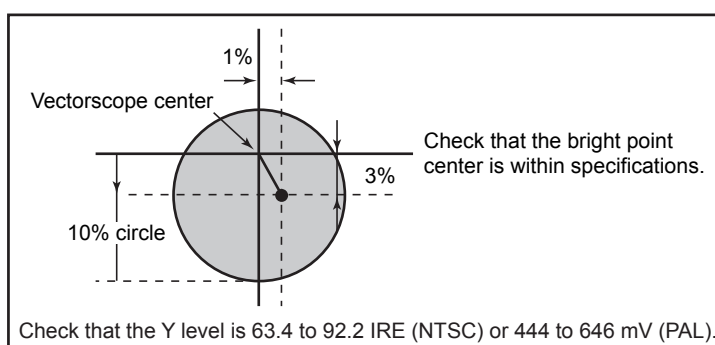


5-3. Inspection and Factory Settings

Sequence	Item	Mode	Preparations for adjustment (measurement points, subject, other)	Method of adjustment (VRs, waveforms, required values)	Measuring equipment and jigs	Measurement points (VRs, positions)
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 viewfinder and AF-assist flash window. (4) Check for dust or fogging in the LCD.		
2	Power switch check	Auto mode LCD-ON EVF-ON	(1) Connect the power supply jig to the DC_IN terminal. (2) Insert a card and close the card cover. (3) Select the Mode dial setting. (4) Turn the camera on in Photography mode. (5) If a message prompting the user to set the date appears, press the button specified on the right. (6) Check the display status. (7) Press the <EVF/LCD> button. (8) Turn the dioptic adjustment dial up and down. (9) Check for blemishes in the CCD live image.	(1) Applied voltage: 5.0±0.05 V (2) Card for recording checking (3) Mode: AUTO (4) Check that the camera beeps. (5) <DISP/BACK> (6) Check that the live image and text is displayed. (7) Check that the live image is displayed. (8) Check that the blurring of the EVF screen varies. Check that the dial turns smoothly between the upper and lower limits. (9) Monitor a very bright subject and check that the live image does not dim or darken.		
3	Zoom operation check		(1) Zoom drive noise	(1) Check that there is no abnormal noise.		
4	Shock noise check in Auto mode	Auto mode LCD-ON	(1) Apply a shock to the camera using the shock jig.	(1) Check for problems on the LCD monitor. Check that the camera recovers from synchronicity disruption. (Note) Do not apply shocks directly to the lens or card cover.		

Sequence	Item	Mode	Preparations for adjustment (measurement points, subject, other)	Method of adjustment (VRs, waveforms, required values)	Measuring equipment and jigs	Measurement points (VRs, positions)
5	Resolution check Focusing check	Auto mode LCD-ON	(1) Use a macro resolution chart as the subject. (2) Set the camera to Macro mode. Set the flash mode to Flash OFF mode. (3) Set the camera up so that the chart fills the screen from corner to corner. (4) 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. Press the 4-way button (right) and check that the Flash OFF icon appears on the LCD monitor. (4) Check that the indicator lamp lights orange (recording in progress) and then turns off.		
6	Movie/audio recording check	Movie mode LCD_ON	(1) Set the Mode dial to Movie shooting mode. (2) Press S1 -> S2 and then release S2 -> S1. (3) After 5 seconds, press and then release S1.	(1) Check that "STANDBY" appears on the LCD monitor. (2) Check that movie/audio recording begins. Check that "REC" appears on the LCD monitor. (3) Check that movie/audio recording ends and that the data is recorded on the card.		
7	Movie/audio playback check	Playback	(1) Set the camera to Playback mode. (2) Press the 4-way button (down) to play back the movie.	(2) Check that the movie is played back on the LCD monitor. Check that the sound is played back through the speaker.		

Sequence	Item	Mode	Preparations for adjustment (measurement points, subject, other)	Method of adjustment (VRs, waveforms, required values)	Measuring equipment and jigs	Measurement points (VRs, positions)
8	Playback check	Playback	(1) Plug the AV cable into the camera. (2) Check images shot using the flash (18% gray chart, shot at a distance of 1 m). (3) Check images shot at macro resolutions (manual photography) (4) Disconnect the AV cable from the camera. Turn the camera off.	(2) Check that the position of the bright spot is within a 10% circle with a center that is $X = 1\%$ and $Y = -3\%$ from the center of the vectorscope (see figure below). (3) 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)	Vectorscope TV monitor	
9	Playback mode check	Playback	(1) Insert a card. (2) Set the PW lever to Playback mode. (3) If a message prompting the user to set the date appears, press the button specified on the right. (4) Check the playback image.	(3) <DISP/BACK> (4) 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.		
10	Erase mode check	Erase	(1) Select "Erase" -> "Erase all" from the menu and then press the "OK" button. (2) Press the "OK" button again.	(1) Check that an erase message such as the following appears: Japan: "全コマ消去 OK?" Overseas: "ERASE ALL OK?" China: "删除所有 OK?" (2) Check that the recorded images are erased.		



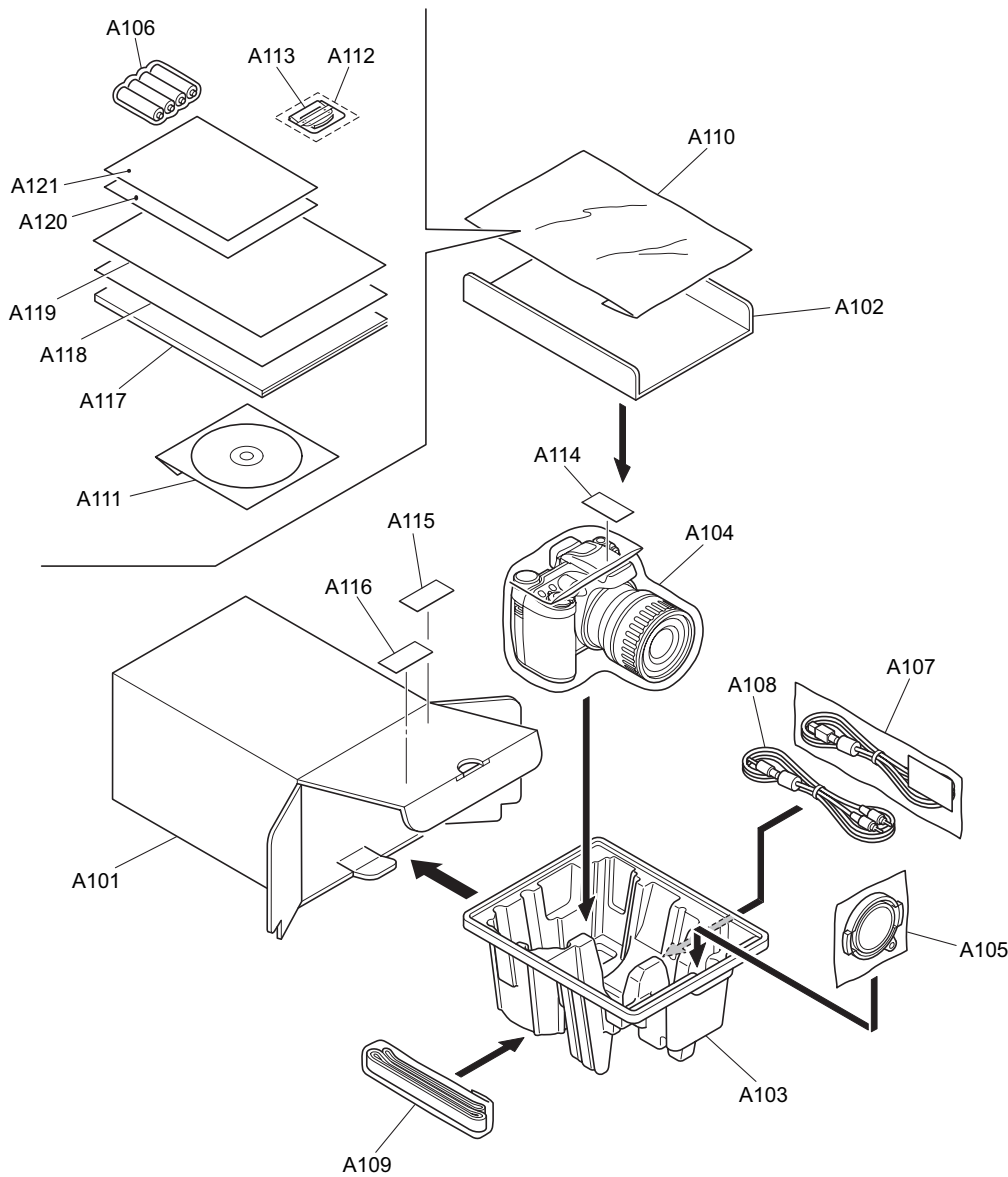
Fig

Sequence	Item	Mode	Preparations for adjustment (measurement points, subject, other)	Method of adjustment (VRs, waveforms, required values)	Measuring equipment and jigs	Measurement points (VRs, positions)
11	Flash check		(1) Set the flash mode to AUTO. (2) Check that the flash pops up when a picture is taken.	(1) Press the 4-way button (right) and check that "AUTO" appears on the LCD monitor.		
12	LCD dust/defect check	Playback	(1) Insert a standard xD-Picture card. (2) Play back a completely black image. (3) Play back a completely white (75%) image. (4) Change the setting with the EVF/LCD button.	(2) Check that there are no noticeable dust flecks or stains (bright spots) on the screen. (3) Check that there are no noticeable dust flecks or stains (smears, flashing points, etc.) on the screen. (4) Play the above 2 frames and perform the same checks.	ZJ00885-100	
13	Battery low check	Movie	(1) Connect the power supply jig to the DC_IN terminal. (2) Set the power supply voltage. (3) Set the Mode dial to Movie or Camera mode and turn the camera on. (4) Set the pre-end voltage. (5) Set the end voltage.	(2) 5.00±0.05 V (3) Check that the camera starts up normally. (4) 4.40±0.02 V Check that the battery low warning appears. (5) 4.00±0.02 V Check that the camera turns off.		
14	Current consumption check	Auto mode LCD-ON	(1) Connect the power supply jig to the DC_IN terminal. (2) Set the power supply voltage. (3) Set the Mode dial to AUTO and turn the camera on. (4) After the LCD live image appears, check the current consumption.	(2) 5.00±0.05 V (4) 450 mA or less (Stable state -> IRIS/ FOCUS does not operate)		
15	Shipping inspection		(1) Mode dial (2) SETUP frame No. (3) Battery and cards not inserted (4) Battery cover (5) EVF diopter adjustment dial (6) Focus mode SW lock lever	(1) AUTO (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. (4) Closed (5) Center position indicator located close to the center. (6) Locked		

6. Parts List

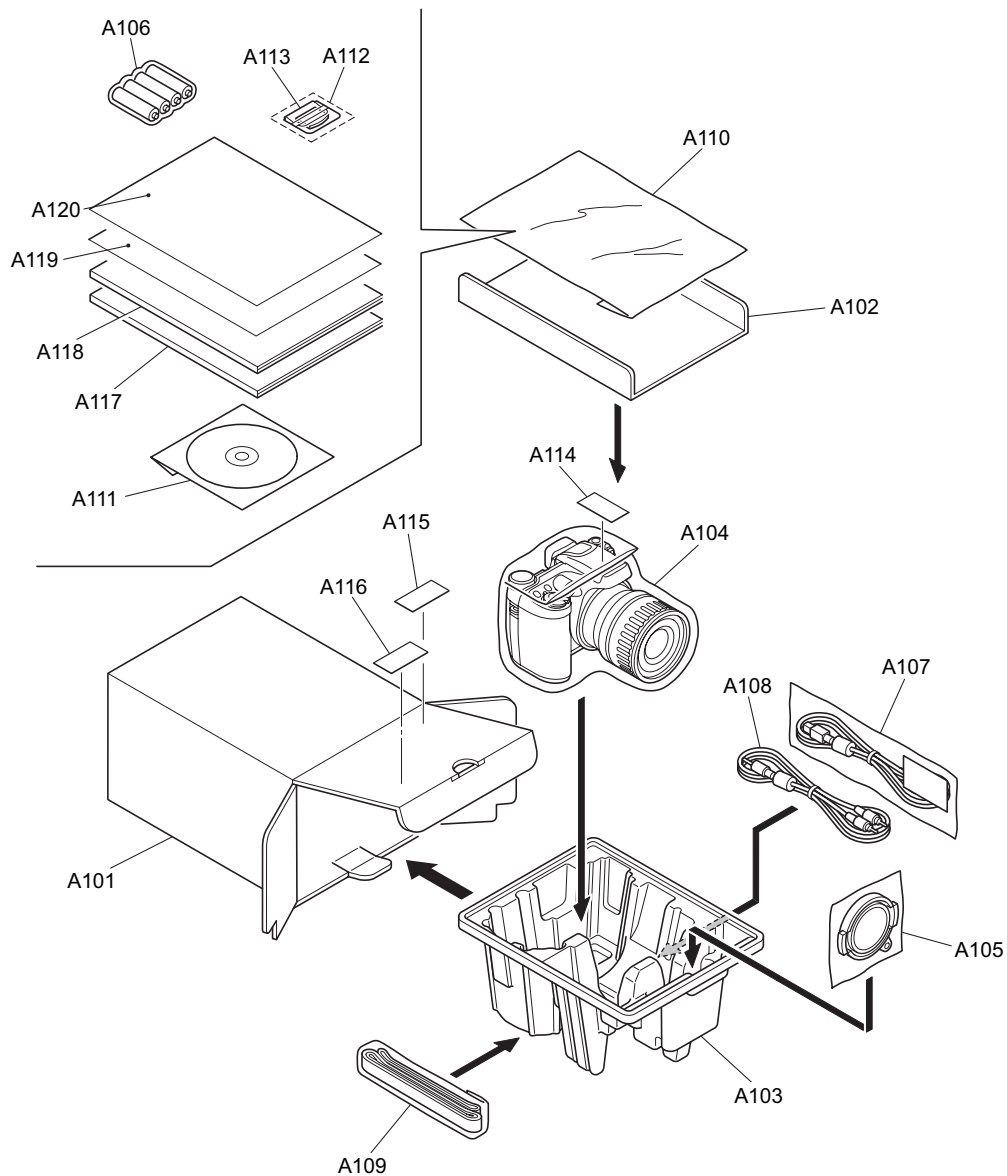
6-1. Packing and Accessories

6-1-1. US-model (FinePix S5200)



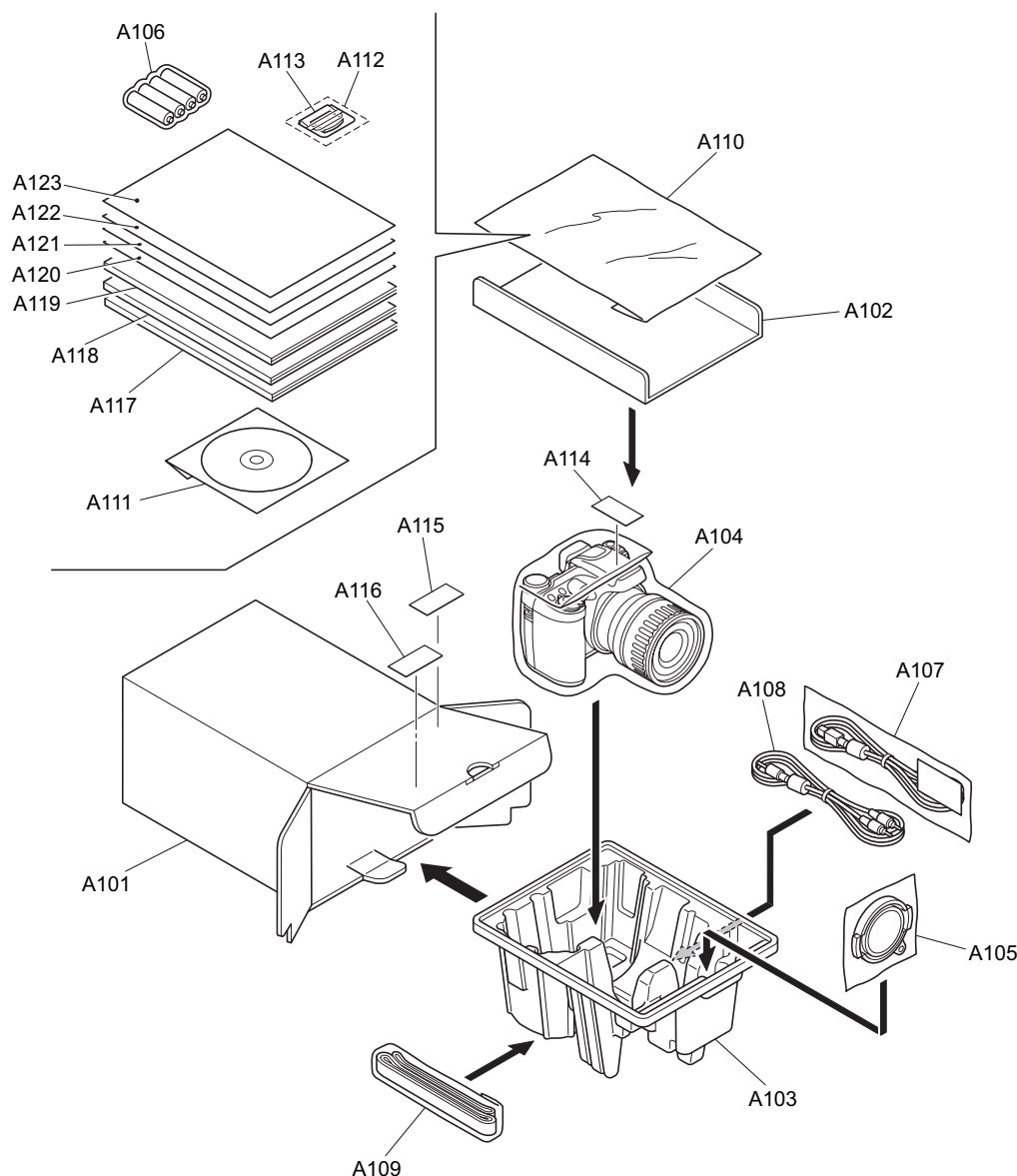
Ref No.	Parts No.	Description	Comment	Ref No.	Parts No.	Description	Comment
A101	FZ06288-200	UNITARY U.BOX		A116	BB19067-A00	DEST.LAB.17600US CFG	
A102	BB13000-100	PARTITION BOARD S		A117	BL00484-200	MANUAL E	
A103	FZ06289-100	SHEET MOLD FC		A118	BL00485-200	QUICK MANUAL E	
A104	AZF0000-311	HDPE BAG NO.11		A119	BL00485-500	QUICK MANUAL S	
A105	BU02876-200	LENS CAP ASSY		A120	BL00372-100	IMPORTANT SAFETY	
A106	FZ04793-100	ALKALINE BATTERY		A121	BL00373-100	US WARRANTY	
A107	FZ06230-100	USB CABLE W					
A108	FZ06229-100	AV CABLE					
A109	BU02939-100	SHOULDER BELT ASSY					
A110	AZF0000-101	LDPE BAG NO.10					
A111	FZ06269-300	CD-ROM					
A112	BF04146-100	XDCARD 16MB ASSY					
A113	BL00209-100	CASE					
A114	BB18002-100	CERTIFICATION SEAL					
A115	BB12943-100	BAR CODE LABEL BLANK					

6-1-2. CA-model (FinePix S5200)



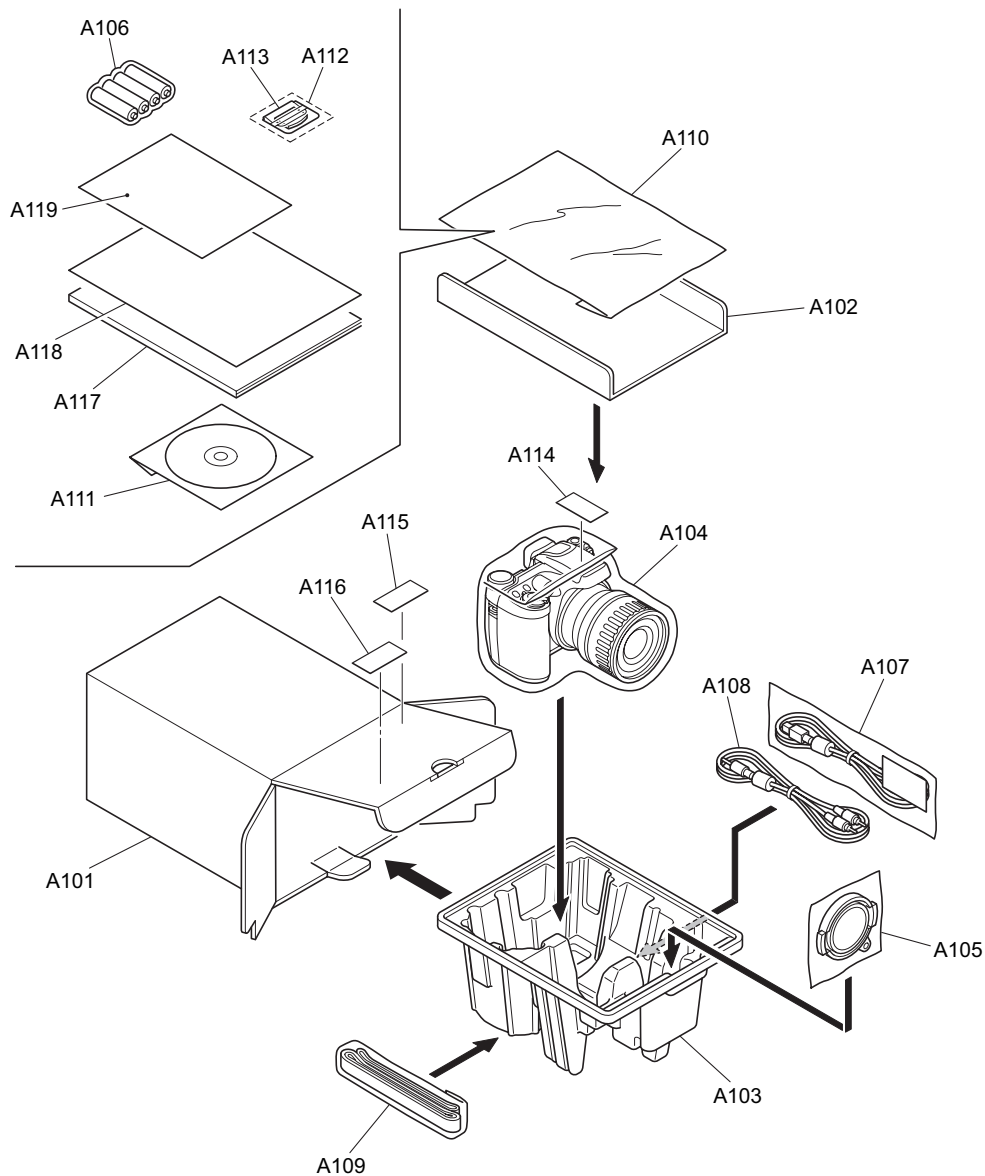
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A101	FZ06288-200	UNITARY U.BOX	
A102	BB13000-100	PARTITION BOARD S	
A103	FZ06289-100	SHEET MOLD FC	
A104	AZF0000-311	HDPE BAG NO.11	
A105	BU02876-200	LENS CAP ASSY	
A106	FZ04793-100	ALKALINE BATTERY	
A107	FZ06230-100	USB CABLE W	
A108	FZ06229-100	AV CABLE	
A109	BU02939-100	SHOULDER BELT ASSY	
A110	AZF0000-101	LDPE BAG NO.10	
A111	FZ06269-300	CD-ROM	
A112	BF04146-100	XDCARD 16MB ASSY	
A113	BL00209-100	CASE	
A114	BB18002-100	CERTIFICATION SEAL	
A115	BB12943-100	BAR CODE LABEL BLANK	
A116	BB19067-D00	DEST.LAB.17600CA CFG	
A117	BL00484-200	MANUAL E	
A118	BL00484-300	MANUAL F	
A119	BL00485-200	QUICK MANUAL E	
A120	BL00485-300	QUICK MANUAL F	

6-1-3. EU-model (FinePix S5600)



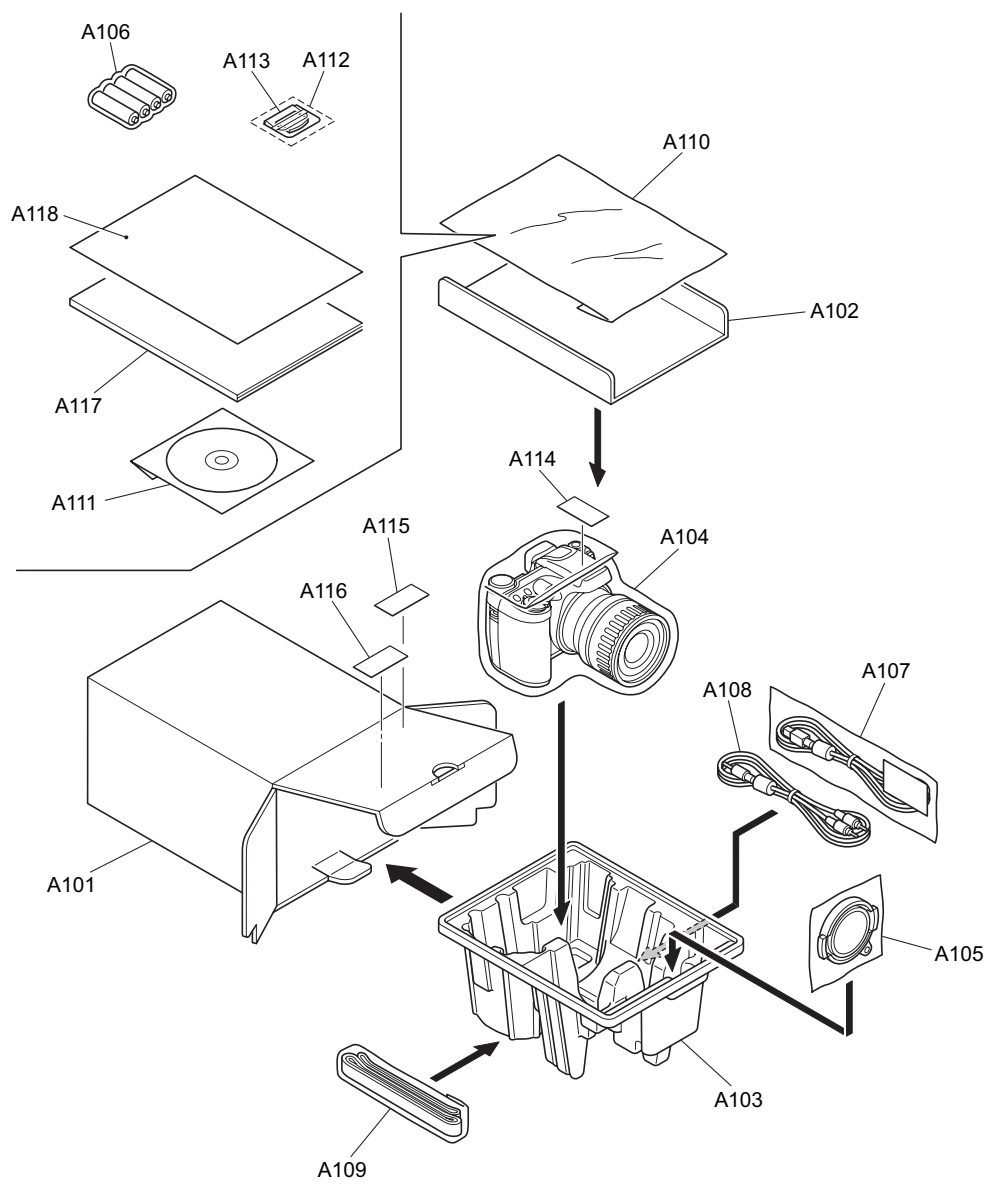
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A101	FZ06292-100	UNITARY U.BOX		A116	BB19067-B00	DEST.LAB.17600EU CFG	
A102	FZ05998-100	PARTITION PAD		A117	N.S	MANUAL E	
A103	FZ06289-100	SHEET MOLD FC		A118	N.S	MANUAL F	
A104	AZF0000-311	HDPE BAG NO.11		A119	N.S	MANUAL G	
A105	BU02876-200	LENS CAP ASSY		A120	N.S	QUICK MANUAL E	
A106	FZ04793-100	ALKALINE BATTERY		A121	N.S	QUICK MANUAL F	
A107	FZ06230-100	USB CABLE W		A122	N.S	QUICK MANUAL G	
A108	FZ06229-100	AV CABLE		A123	N.S	QUICK MANUAL S	
A109	BU02939-100	SHOULDER BELT ASSY					
A110	AZF0000-101	LDPE BAG NO.10					
A111	FZ06269-300	CD-ROM					
A112	BF04146-100	XDCARD 16MB ASSY					
A113	BL00209-100	CASE					
A114	BB18002-100	CERTIFICATION SEAL					
A115	BB12943-100	BAR CODE LABEL BLANK					

6-1-4. EG-model (FinePix S5600)



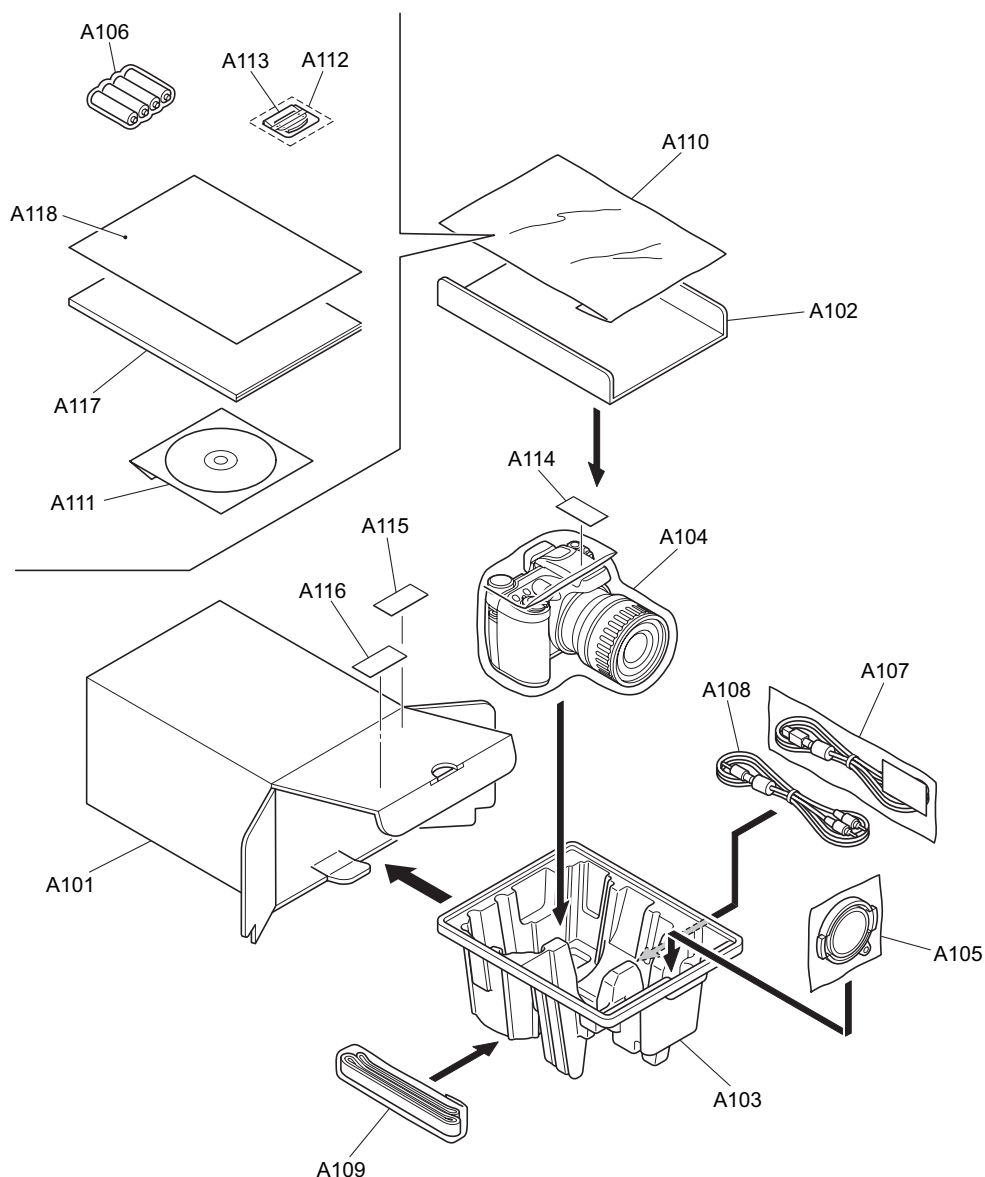
Ref No.	Parts No.	Description	Comment
A101	FZ06292-100	UNITARY U.BOX	
A102	FZ05998-100	PARTITION PAD	
A103	FZ06289-100	SHEET MOLD FC	
A104	AZF0000-311	HDPE BAG NO.11	
A105	BU02876-200	LENS CAP ASSY	
A106	FZ04793-100	ALKALINE BATTERY	
A107	FZ06230-100	USB CABLE W	
A108	FZ06229-100	AV CABLE	
A109	BU02939-100	SHOULDER BELT ASSY	
A110	AZF0000-101	LDPE BAG NO.10	
A111	FZ06269-300	CD-ROM	
A112	BF04146-100	XDCARD 16MB ASSY	
A113	BL00209-100	CASE	
A114	BB18002-100	CERTIFICATION SEAL	
A115	BB12943-100	BAR CODE LABEL BLANK	
A116	BB19067-C00	DEST.LAB.17600EG CFG	
A117	BL00484-200	MANUAL E	
A118	BL00485-200	QUICK MANUAL E	
A119	BL00176-102	H14 WARRANTY CARD EG	

6-1-5. EE-model (FinePix S5600)



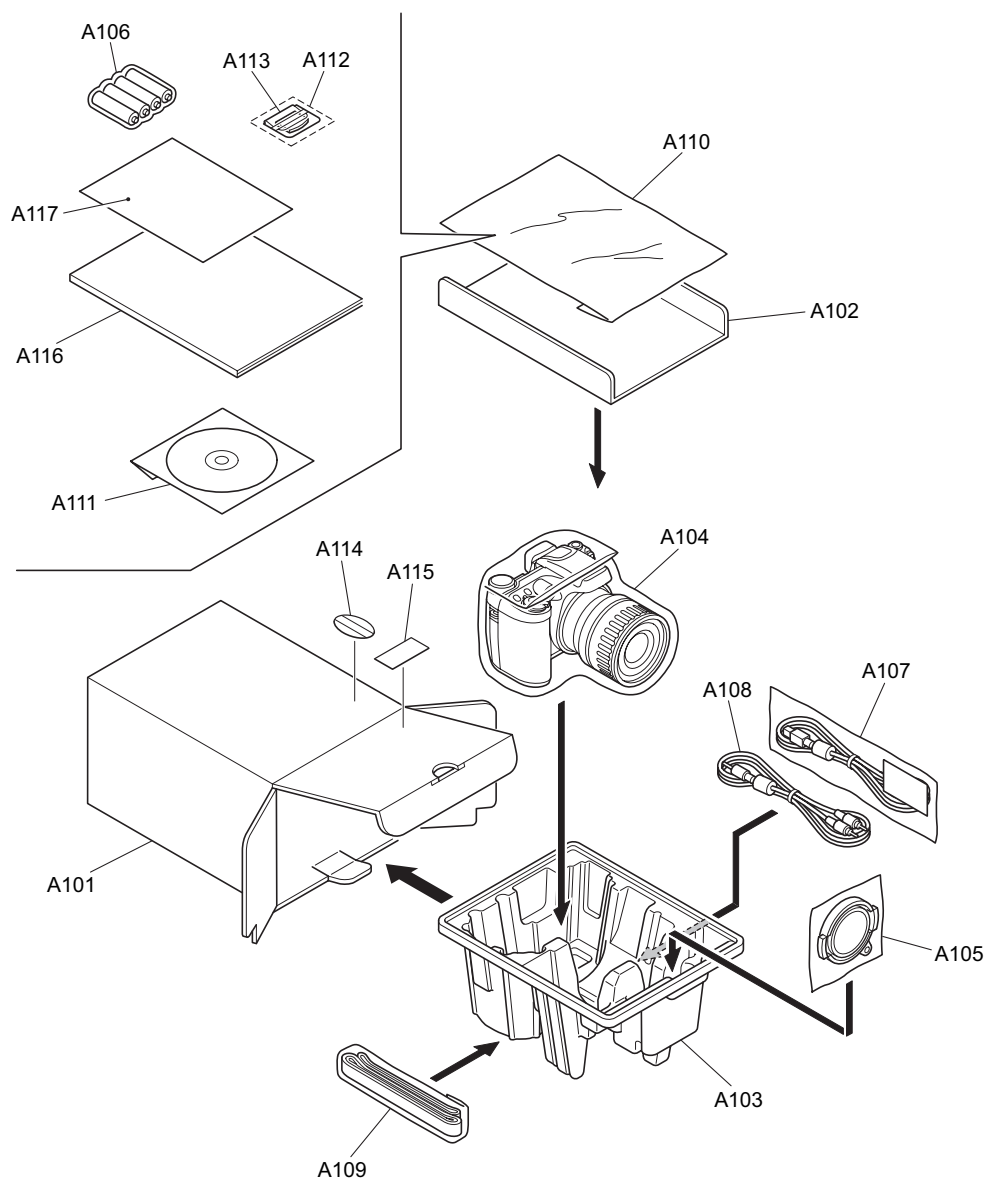
Ref No.	Parts No.	Description	Comment
A101	FZ06292-100	UNITARY U.BOX	
A102	FZ05998-100	PARTITION PAD	
A103	FZ06289-100	SHEET MOLD FC	
A104	AZF0000-311	HDPE BAG NO.11	
A105	BU02876-200	LENS CAP ASSY	
A106	FZ04793-100	ALKALINE BATTERY	
A107	FZ06230-100	USB CABLE W	
A108	FZ06229-100	AV CABLE	
A109	BU02939-100	SHOULDER BELT ASSY	
A110	AZF0000-101	LDPE BAG NO.10	
A111	FZ06269-300	CD-ROM	
A112	BF04146-100	XDCARD 16MB ASSY	
A113	BL00209-100	CASE	
A114	BB18002-100	CERTIFICATION SEAL	
A115	BB12943-100	BAR CODE LABEL BLANK	
A116	BB19067-G00	DEST.LAB.17600EE CFG	
A117	BL00484-200	MANUAL E	
A118	BL00485-200	QUICK MANUAL E	

6-1-6. AS-model (FinePix S5600)



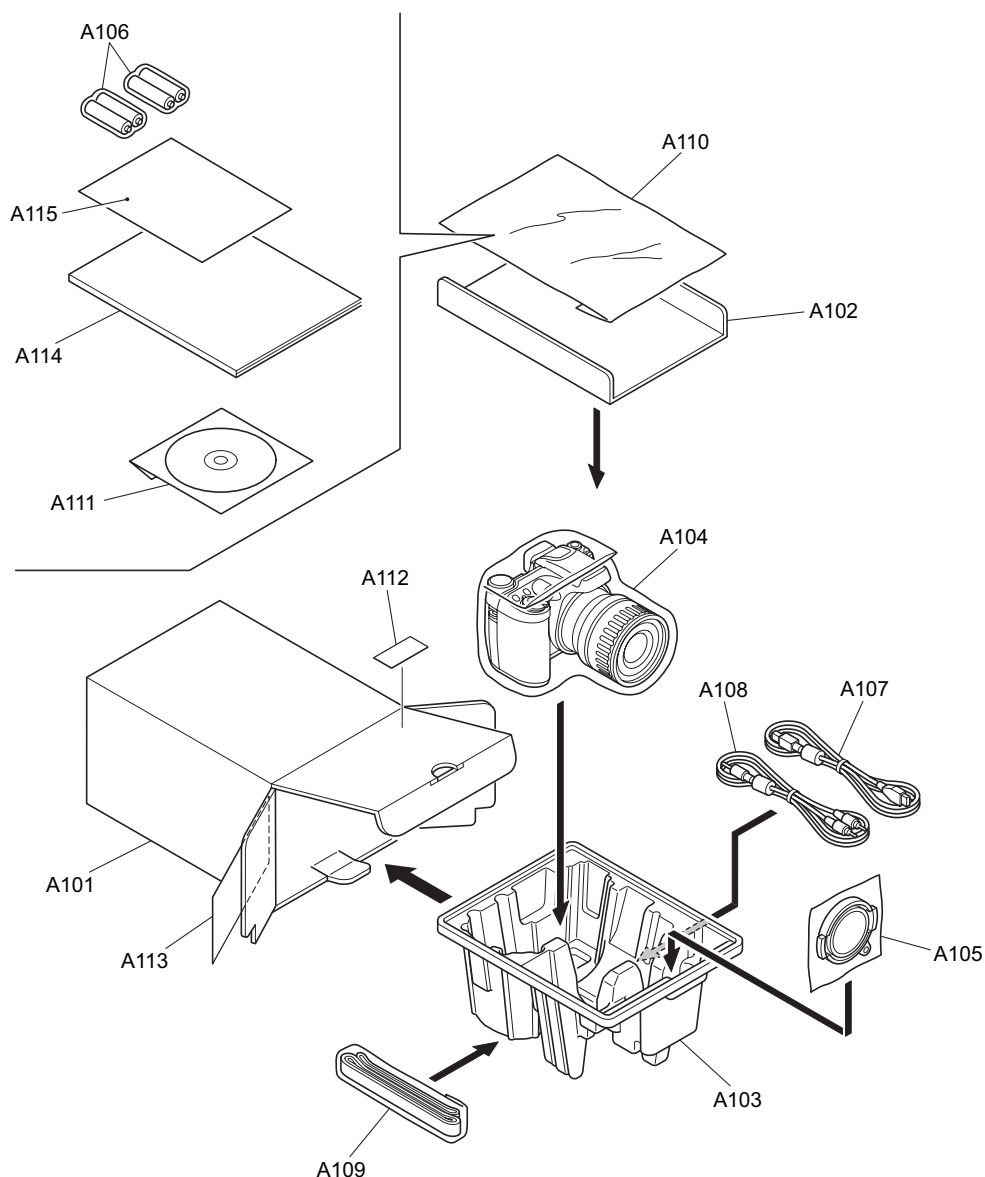
Ref No.	Parts No.	Description	Comment
A101	FZ06292-100	UNITARY U.BOX	
A102	FZ05998-100	PARTITION PAD	
A103	FZ06289-100	SHEET MOLD FC	
A104	AZF0000-311	HDPE BAG NO.11	
A105	BU02876-200	LENS CAP ASSY	
A106	FZ04793-100	ALKALINE BATTERY	
A107	FZ06230-100	USB CABLE W	
A108	FZ06229-100	AV CABLE	
A109	BU02939-100	SHOULDER BELT ASSY	
A110	AZF0000-101	LDPE BAG NO.10	
A111	FZ06269-300	CD-ROM	
A112	BF04146-100	XDCARD 16MB ASSY	
A113	BL00209-100	CASE	
A114	BB18002-100	CERTIFICATION SEAL	
A115	BB12943-100	BAR CODE LABEL BLANK	
A116	BB19067-F00	DEST.LAB.17600AS CFG	
A117	BL00484-200	MANUAL E	
A118	BL00485-200	QUICK MANUAL E	

6-1-7. CH-model (FinePix S5600)



Ref No.	Parts No.	Description	Comment
A101	FZ06288-300	UNITARY BOX FC	
A102	BB13000-100	PARTITION BOARD S	
A103	FZ06289-100	SHEET MOLD FC	
A104	AZF0000-311	HDPE BAG NO.11	
A105	BU02876-200	LENS CAP ASSY	
A106	FZ04793-100	ALKALINE BATTERY	
A107	FZ06230-100	USB CABLE W	
A108	FZ06229-100	AV CABLE	
A109	BU02939-100	SHOULDER BELT ASSY	
A110	AZF0000-101	LDPE BAG NO.10	
A111	FZ06269-300	CD-ROM	
A112	BF04146-100	XDCARD 16MB ASSY	
A113	BL00209-100	CASE	
A114	BB19104-100	REGULATION SEAL	
A115	BB12943-100	BAR CODE LABEL BLANK	
A116	BL00484-600	MANUAL C	
A117	BB19102-100	WARRANTY CN	

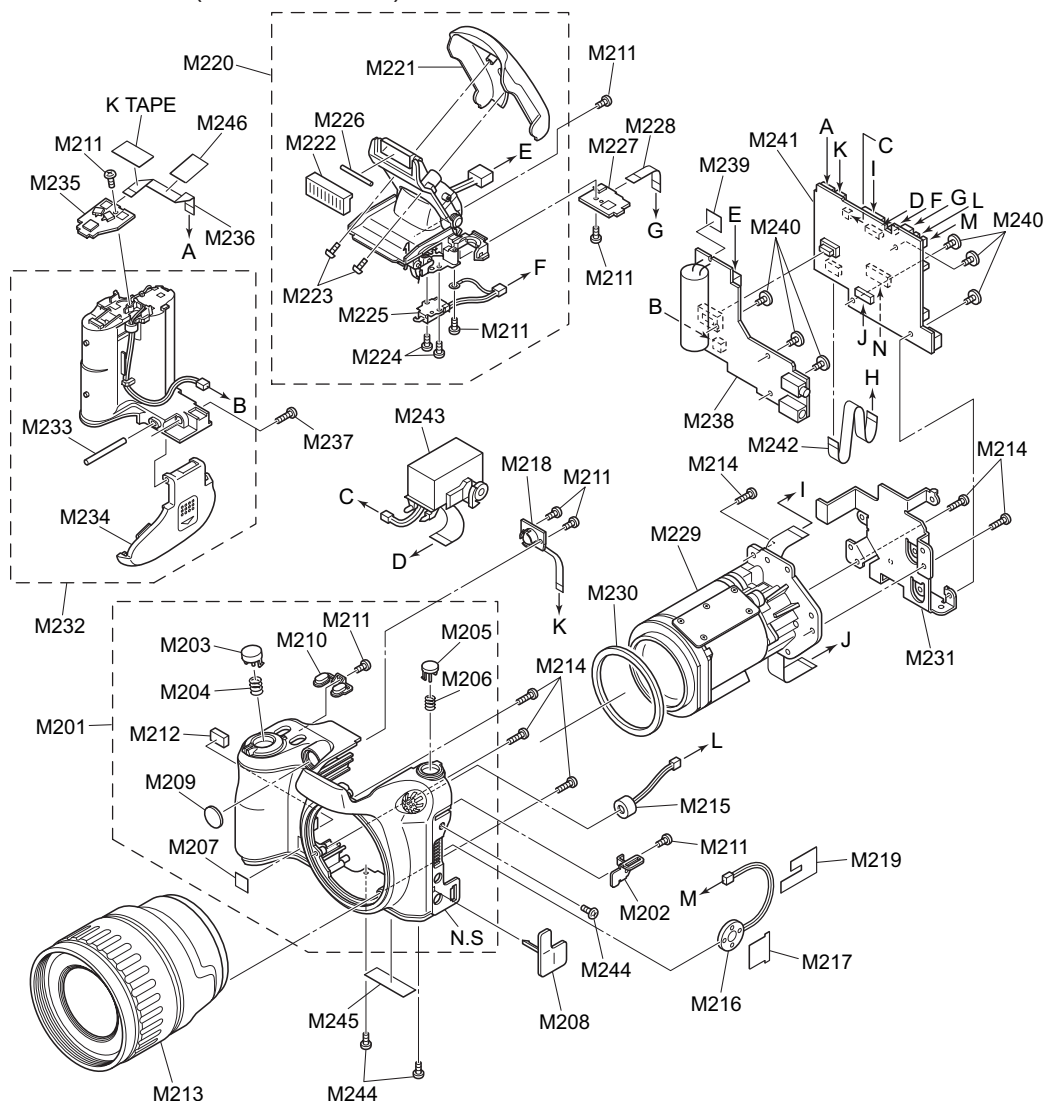
6-1-8. JP-model (FinePix S5200)



Ref No.	Parts No.	Description	Comment
A101	FZ06288-100	UNITARY BOX FC	
A102	BB13000-100	PARTITION BOARD S	
A103	FZ06289-100	SHEET MOLD FC	
A104	AZF0000-311	HDPE BAG NO.11	
A105	BU02876-200	LENS CAP ASSY	
A106	FZ06486-100	ALKALINE BATTERY (P2)	
A107	FZ06231-100	USB CABLE J	
A108	FZ06229-100	AV CABLE	
A109	BU02939-100	SHOULDER BELT ASSY	
A110	AZF0000-101	LDPE BAG NO.10	
A111	FZ06269-300	CD-ROM	
A112	BB12943-100	BAR CODE LABEL BLANK	
A113	BB18949-100	WARRANTY CARD	
A114	BL00484-100	MANUAL J	
A115	BL00190-100	SAFETYCARD H14	

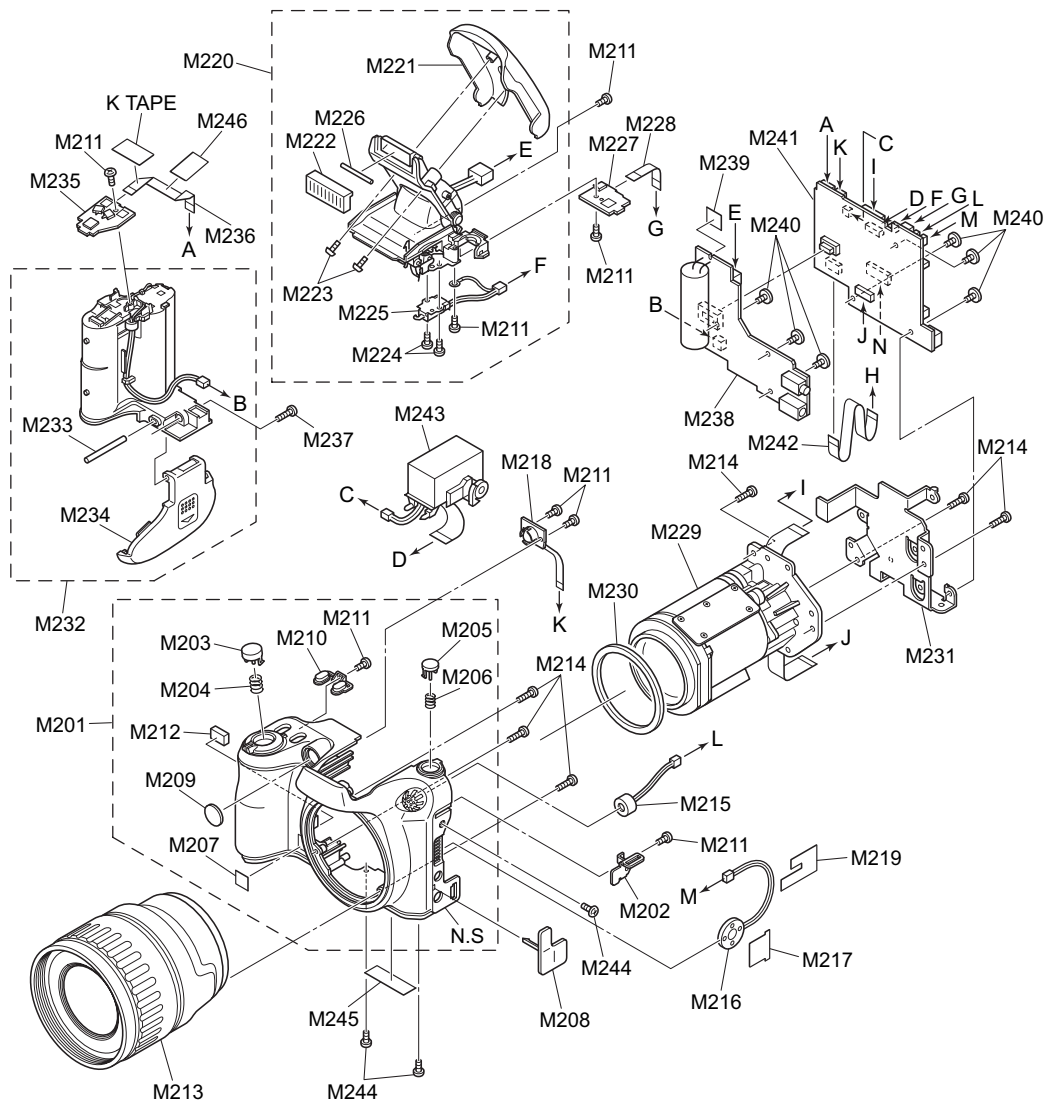
6-2. Cabi Front Block

6-2-1. US/CA/JP-model (FinePix S5200)



Ref No.	Parts No.	Description	Comment	Ref No.	Parts No.	Description	Comment
M201	BU03217-100	ASSY CASE F		M226	FZ06248-100	LIGHT	
M202	BB18967-100	STRAP LEFT		M227	CB1688-A100	FSW PWB ASSY	
M203	BB18968-100	BUTTON RELEASE	ABS	M228	FZ06334-100	FPC MAIN-FSW-8	
M204	BB19134-100	CSP RELEASE		M229	BU03229-100	LENS CONST	
M205	BB18971-100	BUTTON F SELECT	ABS	M230	BB18983-100	CUSHION CASE LENS	
M206	BB18973-100	CSP F SELECT		M231	BB19024-100	FRAME MAIN	
M207	BB18675-100	CCD BADGE		M232	BU03220-100	ASSY HOLDER BATTERY	
M208	BB18977-100	COVER JACK		M233	BB19168-100	SHAFT BATTERY	
M209	BB18978-100	WINDOW AF		M234	BU03237-100	ASSY LID BATTERY	
M210	BB18980-100	BUTTON AE	ABS	M235	CB1689-A101	RSW PWB ASSY	
M211	BB17681-400	BT2M1.7X4.0		M236	FZ06337-100	FFC MAIN-RSW-12	
M212	BB19284-100	CUSHION CONDENSER		M237	BB17335-E00	BT2M1.7X9.0B	
M213	BU03236-100	ASSY CASE LENS		M238	CB1687-A100	ST PWB ASSY	
M214	BB19122-100	BT2M2.0X9.0		M239	BB19164-100	TAPE CONDENSER A	
M215	FZ06338-100	MIC ASSY		M240	BB17349-100	MSWM1.7X2.5	
M216	FZ06339-100	SPEAKER ASSY		M241	CB1686-A102	MAIN PWB ASSY	
M217	BB18979-100	SHEET SP		M242	FZ06335-100	FFC MAIN-KSW-10	
M218	BF05759-100	CONST AFLED		M243	BU03084-200	EVF UNIT CONST	
M219	BB19185-100	SHEET PROTECT		M244	BB17337-300	MS2M1.7X3.5BN	
M220	BU03218-200	ASSY FLASH		M245	BB19028-100	LABEL PRODUCT	
M221	BB18985-100	FLASH TOP		M246	FZ06471-100	RSW EMI SHEET	
M222	BB18987-100	WINDOW FLASH	PMMA				
M223	BB17335-300	BT2M1.7X3.5B					
M224	BB18128-D00	MS2M1.4X1.6BN					
M225	FZ06332-101	PLUNGER UNIT					

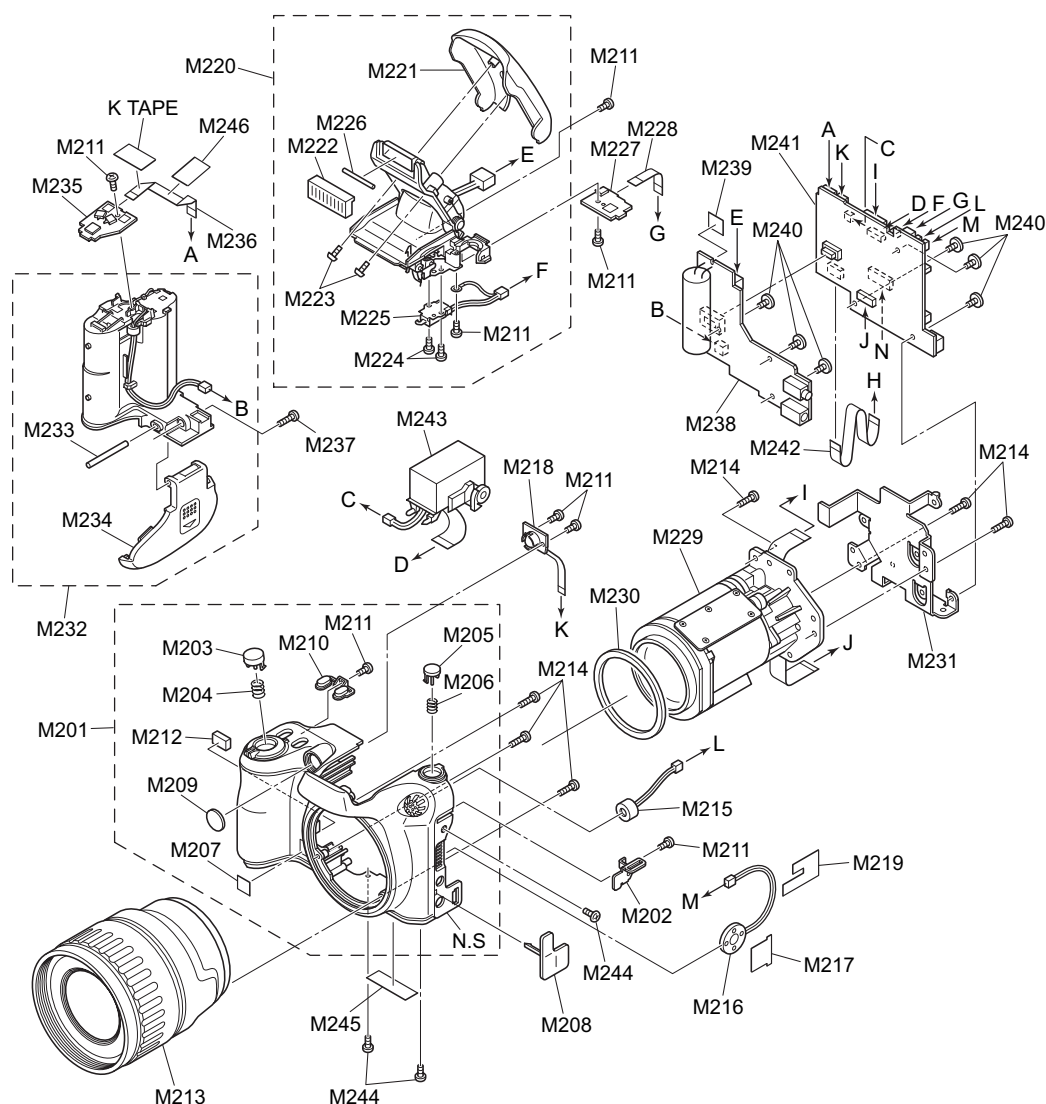
6-2-2. EU/EG/EE-model (FinePix S5600)



Ref No.	Parts No.	Description	Comment	Ref No.	Parts No.	Description	Comment
M201	BU03217-100	ASSY CASE F		M226	FZ06248-100	LIGHT	
M202	BB18967-100	STRAP LEFT		M227	CB1688-A100	FSW PWB ASSY	
M203	BB18968-100	BUTTON RELEASE	ABS	M228	FZ06334-100	FPC MAIN-FSW-8	
M204	BB19134-100	CSP RELEASE		M229	BU03229-100	LENS CONST	
M205	BB18971-100	BUTTON F SELECT	ABS	M230	BB18983-100	CUSHION CASE LENS	
M206	BB18973-100	CSP F SELECT		M231	BB19024-100	FRAME MAIN	
M207	BB18675-100	CCD BADGE		M232	BU03220-100	ASSY HOLDER BATTERY	
M208	BB18977-100	COVER JACK		M233	BB19168-100	SHAFT BATTERY	
M209	BB18978-100	WINDOW AF		M234	BU03237-100	ASSY LID BATTERY	
M210	BB18980-100	BUTTON AE	ABS	M235	CB1689-A101	RSW PWB ASSY	
M211	BB17681-400	BT2M1.7X4.0		M236	FZ06337-100	FFC MAIN-RSW-12	
M212	BB19284-100	CUSHION CONDENSER		M237	BB17335-E00	BT2M1.7X9.0B	
M213	BU03236-100	ASSY CASE LENS		M238	CB1687-A100	ST PWB ASSY	
M214	BB19122-100	BT2M2.0X9.0		M239	BB19164-100	TAPE CONDENSER A	
M215	FZ06338-100	MIC ASSY		M240	BB17349-100	MSWM1.7X2.5	
M216	FZ06339-100	SPEAKER ASSY		M241	CB1686-A102	MAIN PWB ASSY	
M217	BB18979-100	SHEET SP		M242	FZ06335-100	FFC MAIN-KSW-10	
M218	BF05759-100	CONST AFLED		M243	BU03084-200	EVF UNIT CONST	
M219	BB19185-100	SHEET PROTECT		M244	BB17337-300	MS2M1.7X3.5BN	
M220	BU03218-200	ASSY FLASH		M245	BB19028-200	LABEL PRODUCT(E)	
M221	BB18985-200	FLASH TOP		M246	FZ06471-100	RSW EMI SHEET	
M222	BB18987-100	WINDOW FLASH	PMMA				
M223	BB17335-300	BT2M1.7X3.5B					
M224	BB18128-D00	MS2M1.4X1.6BN					
M225	FZ06332-101	PLUNGER UNIT					

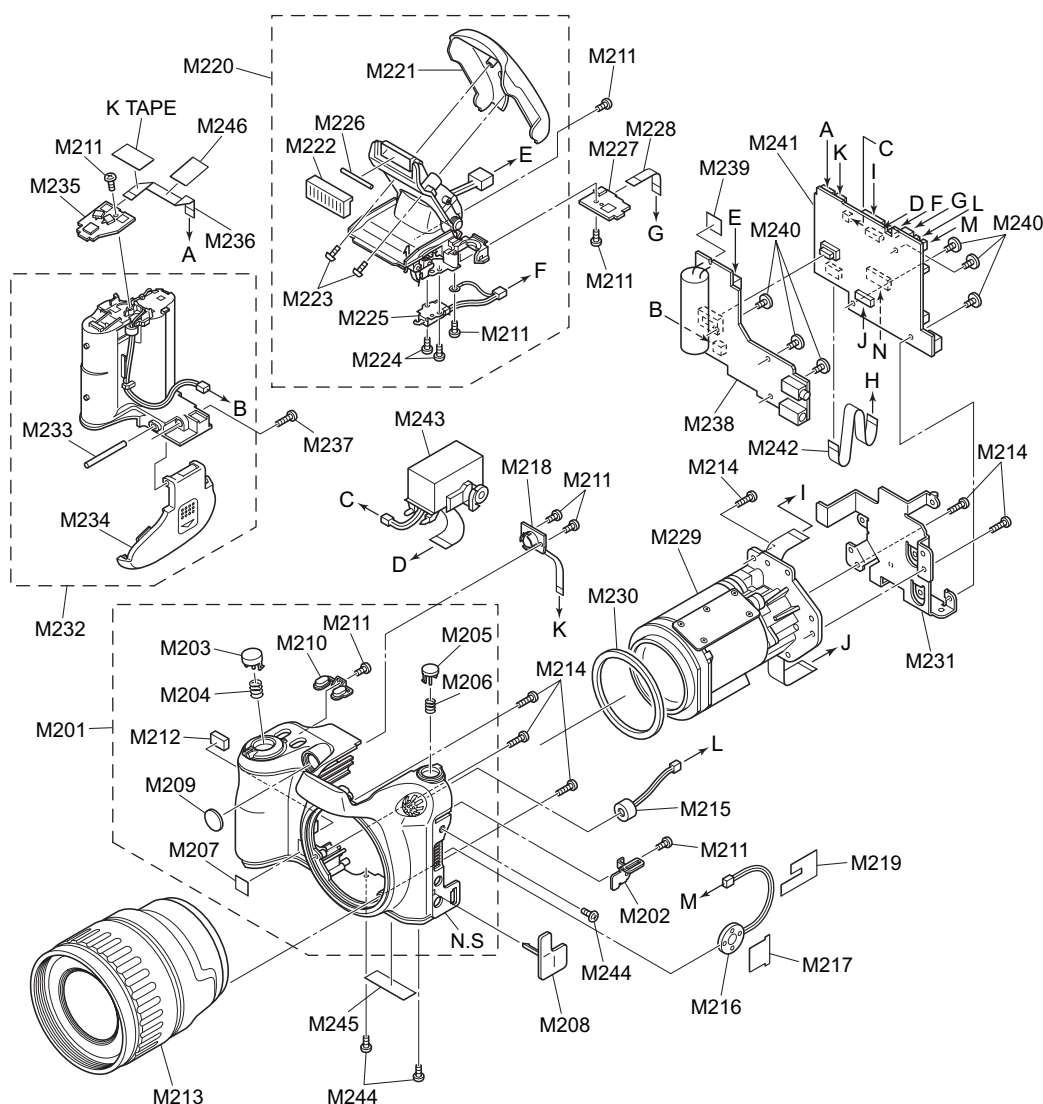
6. Parts List

6-2-3. AS-model (FinePix S5600)



Ref No.	Parts No.	Description	Comment	Ref No.	Parts No.	Description	Comment
M201	BU03217-100	ASSY CASE F		M226	FZ06248-100	LIGHT	
M202	BB18967-100	STRAP LEFT		M227	CB1688-A100	FSW PWB ASSY	
M203	BB18968-100	BUTTON RELEASE		M228	FZ06334-100	FPC MAIN-FSW-8	
M204	BB19134-100	CSP RELEASE		M229	BU03229-100	LENS CONST	
M205	BB18971-100	BUTTON F SELECT		M230	BB18983-100	CUSHION CASE LENS	
M206	BB18973-100	CSP F SELECT		M231	BB19024-100	FRAME MAIN	
M207	BB18675-100	CCD BADGE		M232	BU03220-100	ASSY HOLDER BATTERY	
M208	BB18977-100	COVER JACK		M233	BB19168-100	SHAFT BATTERY	
M209	BB18978-100	WINDOW AF		M234	BU03237-100	ASSY LID BATTERY	
M210	BB18980-100	BUTTON AE		M235	CB1689-A101	RSW PWB ASSY	
M211	BB17681-400	BT2M1.7X4.0		M236	FZ06337-100	FFC MAIN-RSW-12	
M212	BB19284-100	CUSHION CONDENSER		M237	BB17335-E00	BT2M1.7X9.0B	
M213	BU03236-100	ASSY CASE LENS		M238	CB1687-A100	ST PWB ASSY	
M214	BB19122-100	BT2M2.0X9.0		M239	BB19164-100	TAPE CONDENSER A	
M215	FZ06338-100	MIC ASSY		M240	BB17349-100	MSWM1.7X2.5	
M216	FZ06339-100	SPEAKER ASSY		M241	CB1686-A102	MAIN PWB ASSY	
M217	BB18979-100	SHEET SP		M242	FZ06335-100	FFC MAIN-KSW-10	
M218	BF05759-100	CONST AFLED		M243	BU03084-200	EVF UNIT CONST	
M219	BB19185-100	SHEET PROTECT		M244	BB17337-300	MS2M1.7X3.5BN	
M220	BU03218-200	ASSY FLASH		M245	BB19028-300	LABEL PRODUCT(AS)	
M221	BB18985-200	FLASH TOP		M246	FZ06471-100	RSW EMI SHEET	
M222	BB18987-100	WINDOW FLASH					
M223	BB17335-300	BT2M1.7X3.5B					
M224	BB18128-D00	MS2M1.4X1.6BN					
M225	FZ06332-101	PLUNGER UNIT					

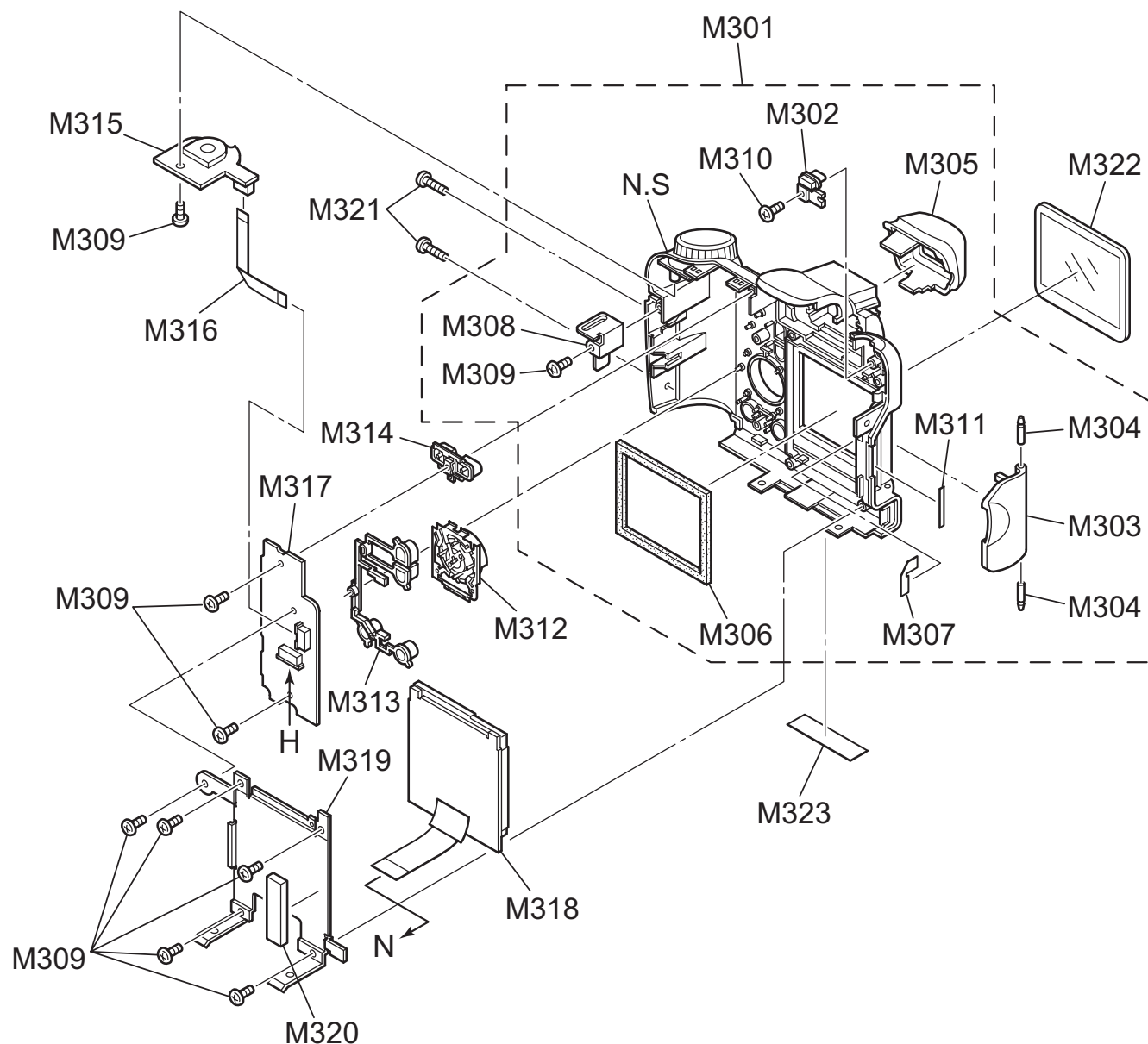
6-2-4. CH-model (FinePix S5600)



Ref No.	Parts No.	Description	Comment	Ref No.	Parts No.	Description	Comment
M201	BU03217-100	ASSY CASE F		M226	FZ06248-100	LIGHT	
M202	BB18967-100	STRAP LEFT		M227	CB1688-A100	FSW PWB ASSY	
M203	BB18968-100	BUTTON RELEASE	ABS	M228	FZ06334-100	FPC MAIN-FSW-8	
M204	BB19134-100	CSP RELEASE		M229	BU03229-100	LENS CONST	
M205	BB18971-100	BUTTON F SELECT	ABS	M230	BB18983-100	CUSHION CASE LENS	
M206	BB18973-100	CSP F SELECT		M231	BB19024-100	FRAME MAIN	
M207	BB18675-100	CCD BADGE		M232	BU03220-100	ASSY HOLDER BATTERY	
M208	BB18977-100	COVER JACK		M233	BB19168-100	SHAFT BATTERY	
M209	BB18978-100	WINDOW AF		M234	BU03237-100	ASSY LID BATTERY	
M210	BB18980-100	BUTTON AE	ABS	M235	CB1689-A101	RSW PWB ASSY	
M211	BB17681-400	BT2M1.7X4.0		M236	FZ06337-100	FFC MAIN-RSW-12	
M212	BB19284-100	CUSHION CONDENSER		M237	BB17335-E00	BT2M1.7X9.0B	
M213	BU03236-100	ASSY CASE LENS		M238	CB1687-A100	ST PWB ASSY	
M214	BB19122-100	BT2M2.0X9.0		M239	BB19164-100	TAPE CONDENSER A	
M215	FZ06338-100	MIC ASSY		M240	BB17349-100	MSWM1.7X2.5	
M216	FZ06339-100	SPEAKER ASSY		M241	CB1686-A102	MAIN PWB ASSY	
M217	BB18979-100	SHEET SP		M242	FZ06335-100	FFC MAIN-KSW-10	
M218	BF05759-100	CONST AFLED		M243	BU03084-200	EVF UNIT CONST	
M219	BB19185-100	SHEET PROTECT		M244	BB17337-300	MS2M1.7X3.5BN	
M220	BU03218-200	ASSY FLASH		M245	BB19028-400	LABEL PRODUCT(CH)	
M221	BB18985-200	FLASH TOP		M246	FZ06471-100	RSW EMI SHEET	
M222	BB18987-100	WINDOW FLASH	PMMA				
M223	BB17335-300	BT2M1.7X3.5B					
M224	BB18128-D00	MS2M1.4X1.6BN					
M225	FZ06332-101	PLUNGER UNIT					

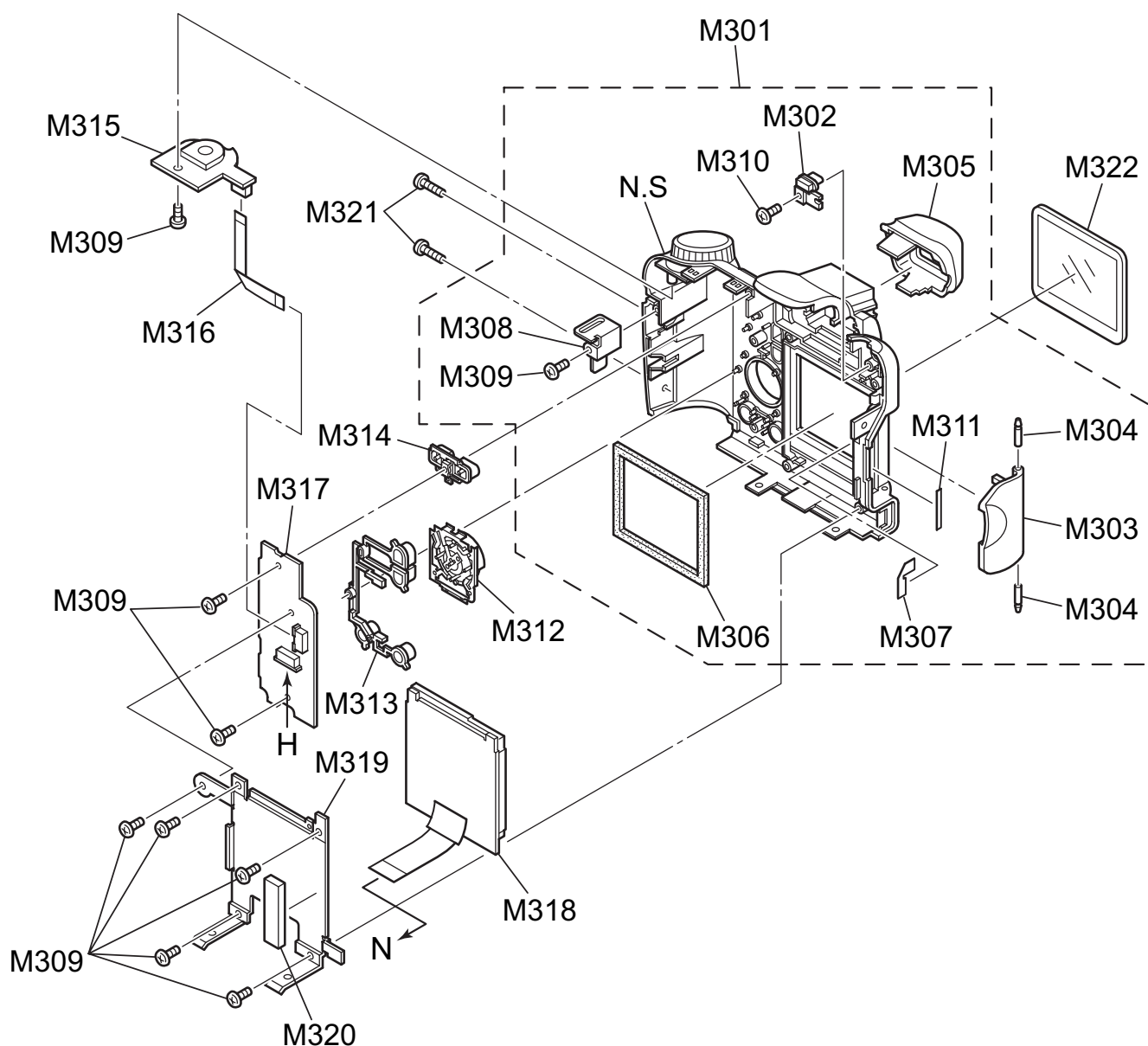
6-3. Cabi Rear Block

6-3-1. US/CA/EU/EG/EE/AS-model (FinePix S5200/S5600)



Ref No.	Parts No.	Description	Comment	Ref No.	Parts No.	Description	Comment
M301	BU03221-100	ASSY CASE R		M316	FZ06336-100	FFC KSW-MSW-6	
M302	BB19007-100	GUIDE LIGHT		M317	CB1689-A300	KSW PWB ASSY	
M303	BB19012-100	COVER CARD	ABS	M318	BF05638-100	LCD CONST	
M304	BB19013-100	SHAFT COVER CARD		M319	BB19025-100	FRAME LCD	
M305	BB19016-100	EYE PIECE		M320	BB19089-100	CUSHION BLIND CARD	
M306	BB19017-100	CUSHION LCD	PE-URETHAN	M321	BB17335-E00	BT2M1.7X9.0B	
M307	BB19018-100	SHEET SW		M322	BB19026-100	WINDOW LCD	PMMA
M308	BB19022-100	STRAP RIGHT		M323	BB19194-200	PL SEAL U (FC)	
M309	BB17681-400	BT2M1.7X4.0					
M310	BB17335-300	BT2M1.7X3.5B					
M311	BB14959-300	LABEL					
M312	BU03282-100	ASSY CURSOL					
M313	BB19014-100	BUTTON REAR	ABS				
M314	BB19015-100	BUTTON ZOOM	ABS				
M315	CB1689-A200	MSW PWB ASSY					

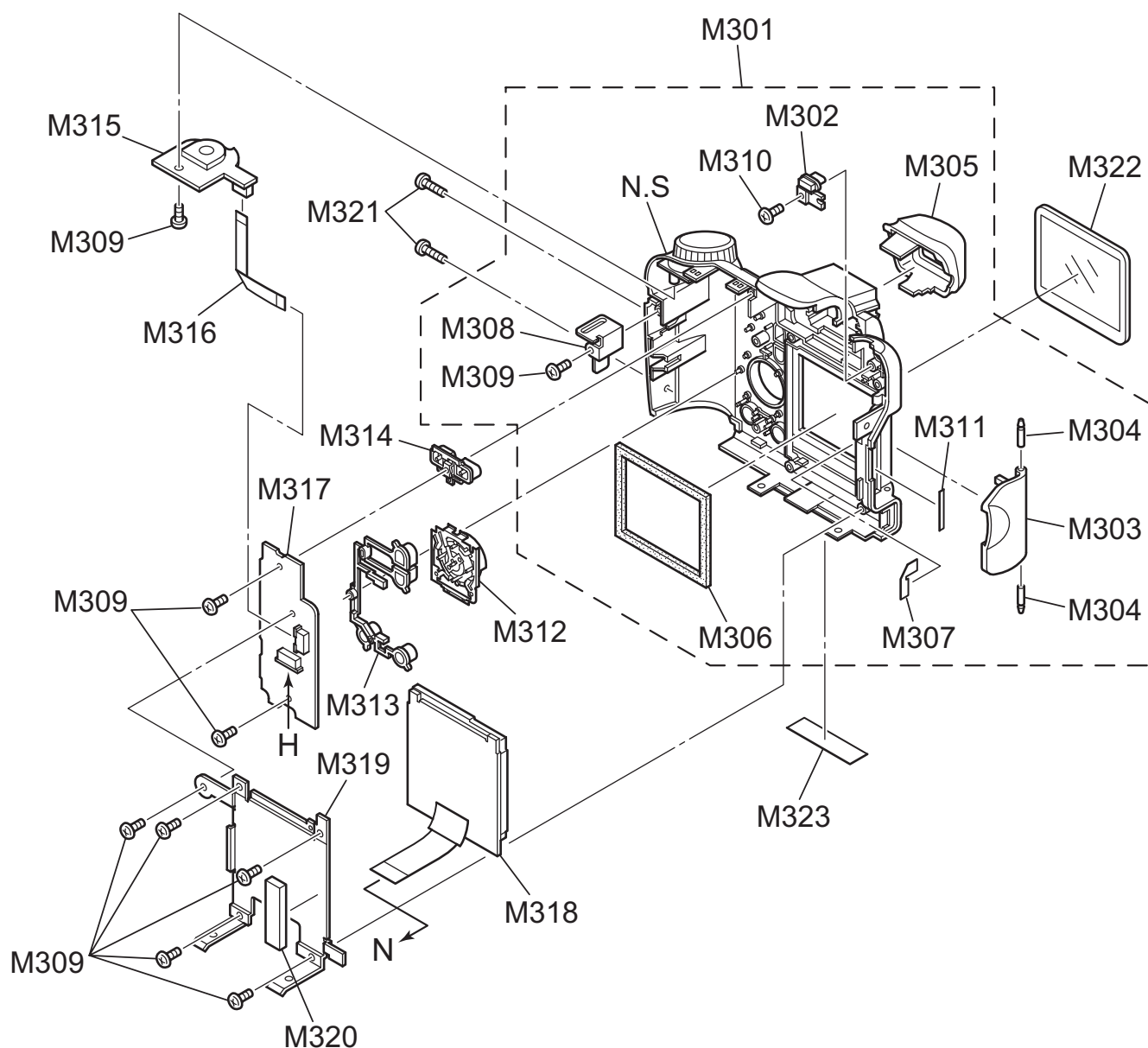
6-3-2. CH-model (FinePix S5600)



Ref No.	Parts No.	Description	Comment	Ref No.	Parts No.	Description	Comment
M301	BU03221-100	ASSY CASE R		M316	FZ06336-100	FFC KSW-MSW-6	
M302	BB19007-100	GUIDE LIGHT		M317	CB1689-A300	KSW PWB ASSY	
M303	BB19012-100	COVER CARD	ABS	M318	BF05638-100	LCD CONST	
M304	BB19013-100	SHAFT COVER CARD		M319	BB19025-100	FRAME LCD	
M305	BB19016-100	EYE PIECE		M320	BB19089-100	CUSHION BLIND CARD	
M306	BB19017-100	CUSHION LCD	PE-URETHAN				
M307	BB19018-100	SHEET SW		M321	BB17335-E00	BT2M1.7X9.0B	
M308	BB19022-100	STRAP RIGHT		M322	BB19026-100	WINDOW LCD	PMMA
M309	BB17681-400	BT2M1.7X4.0					
M310	BB17335-300	BT2M1.7X3.5B					
M311	BB14959-300	LABEL					
M312	BU03282-100	ASSY CURSOL					
M313	BB19014-100	BUTTON REAR	ABS				
M314	BB19015-100	BUTTON ZOOM	ABS				
M315	CB1689-A200	MSW PWB ASSY					

6. Parts List

6-3-3. JP-model (FinePix S5200)



Ref No.	Parts No.	Description	Comment	Ref No.	Parts No.	Description	Comment
M301	BU03221-100	ASSY CASE R		M316	FZ06336-100	FFC KSW-MSW-6	
M302	BB19007-100	GUIDE LIGHT		M317	CB1689-A300	KSW PWB ASSY	
M303	BB19012-100	COVER CARD	ABS	M318	BF05638-100	LCD CONST	
M304	BB19013-100	SHAFT COVER CARD		M319	BB19025-100	FRAME LCD	
M305	BB19016-100	EYE PIECE		M320	BB19089-100	CUSHION BLIND CARD	
M306	BB19017-100	CUSHION LCD	PE-URETHAN	M321	BB17335-E00	BT2M1.7X9.0B	
M307	BB19018-100	SHEET SW		M322	BB19026-100	WINDOW LCD	PMMA
M308	BB19022-100	STRAP RIGHT		M323	BB19194-100	PL SEAL J (FC)	
M309	BB17681-400	BT2M1.7X4.0					
M310	BB17335-300	BT2M1.7X3.5B					
M311	BB14959-300	LABEL					
M312	BU03282-100	ASSY CURSOL					
M313	BB19014-100	BUTTON REAR	ABS				
M314	BB19015-100	BUTTON ZOOM	ABS				
M315	CB1689-A200	MSW PWB ASSY					

6-4. Electrical parts

[NOTE]

The components indicated by mark $\triangle$ 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.

Ref No.	Parts No.	Description	Comment	EL	Ref No.	Parts No.	Description	Comment	EL
RSW PWB ASSY [SWITCH] SW901 FZ04993-101 TACT SWITCH SW902 FZ05909-100 DETECTOR SWITCH SW903 FZ05909-100 DETECTOR SWITCH SW904 FZ04926-100 TACT SWITCH SW905 FZ04926-100 TACT SWITCH [CONNECTOR] CN901 FGB165-0121 CONNECTOR CJ 12P FN 0.5MM NH ST PWB ASSY [FUSE] $\triangle$ F701 FP00043-253 FUSE 2.5A 125V JIS $\triangle$ F702 FP00039-253 FUSE 2.5A 32V UL [CONNECTOR] CN701 FGA169-0021 CONNECTOR CJ 2P SN 1.5MM RV CN702 FGA173-0041 CONNECTOR LJ 4P RB 2.0MM PH CN703 FGC189-0301 CONNECTOR CJ 30P BN 0.5MM RV [JACK] J701 FZ04171-100 JACK J702 FZ04722-100 JACK AV JACK MAIN PWB ASSY [SWITCH] SW551 FZ01045-100 DETECTOR SWITCH [FUSE] $\triangle$ F301 FP00039-253 FUSE 2.5A 32V UL $\triangle$ F302 FP00039-153 FUSE 1.5A 32V UL $\triangle$ F591 FP00039-253 FUSE 2.5A 32V UL [CONNECTOR] CN101 FGB170-0351 CONNECTOR CJ 35P FN 0.3MM NH CN151 FGB173-0201 CONNECTOR CJ 20P FN 0.5MM NH CN251 FZ05744-100 JACK USB MINI-B CN261 FGY097-0201 CONNECTOR CJ 20P B 1MM NN CN281 FGY093-0021 CONNECTOR CJ 2P N 0.8MM NV CN282 FGY093-0022 CONNECTOR CJ 2P N 0.8MM NV CN451 FGB163-0241 CONNECTOR CJ 24P FN 0.5MM NH CN452 FGB162-0181 CONNECTOR CJ 18P FN 0.5MM NV CN453 FGA164-0021 CONNECTOR CJ 2P RN 1.0MM PH CN501 FGB165-0061 CONNECTOR CJ 6P FN 0.5MM NH CN521 FGA164-0031 CONNECTOR CJ 3P RN 1.0MM PH CN551 FGB162-0081 CONNECTOR CJ 8P FN 0.5MM NV CN552 FGB165-0121 CONNECTOR CJ 12P FN 0.5MM NH CN553 FGB164-0101 CONNECTOR CJ 10P FN 0.5MM NH CN591 FGC188-0301 CONNECTOR CJ 30P BN 0.5MM PV [BATTERY] BT401 FZ04705-200 BATTERY BACK UP					MSW PWB ASSY [SWITCH] CN851 FGB162-0061 CONNECTOR CJ 6P FN 0.5MM NV KSW PWB ASSY [SWITCH] SW801 FZ04926-100 TACT SWITCH SW802 FZ04926-100 TACT SWITCH SW803 FZ04926-100 TACT SWITCH SW804 FZ04926-100 TACT SWITCH SW805 FZ04926-100 TACT SWITCH SW806 FZ04926-100 TACT SWITCH SW807 FZ04926-100 TACT SWITCH SW808 FZ04926-100 TACT SWITCH SW809 FZ04926-100 TACT SWITCH SW810 FZ04926-100 TACT SWITCH SW811 FZ04926-100 TACT SWITCH [CONNECTOR] CN801 FGB164-0101 CONNECTOR CJ 10P FN 0.5MM NH CN802 FGB163-0061 CONNECTOR CJ 6P FN 0.5MM NH				

7. Appendix

7-1. List of Related Technical Updates Issued

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

Technical Update No.	Date	Title	Details/Other

