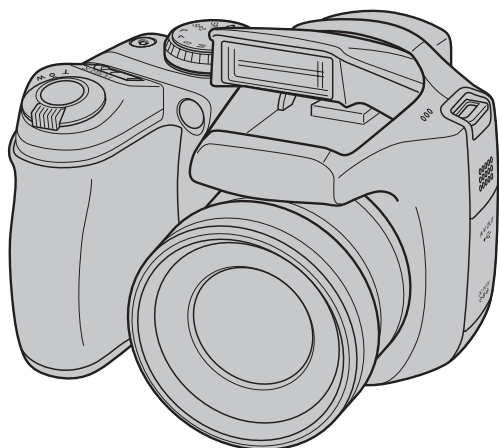


FUJIFILM

DIGITAL CAMERA



FinePix S5700/ S700

SERVICE MANUAL

US/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^(*), all the internal connections and component parts and materials used in this product are lead-free compliant^(**) 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.



FinePix S5700/S700 Service Manual

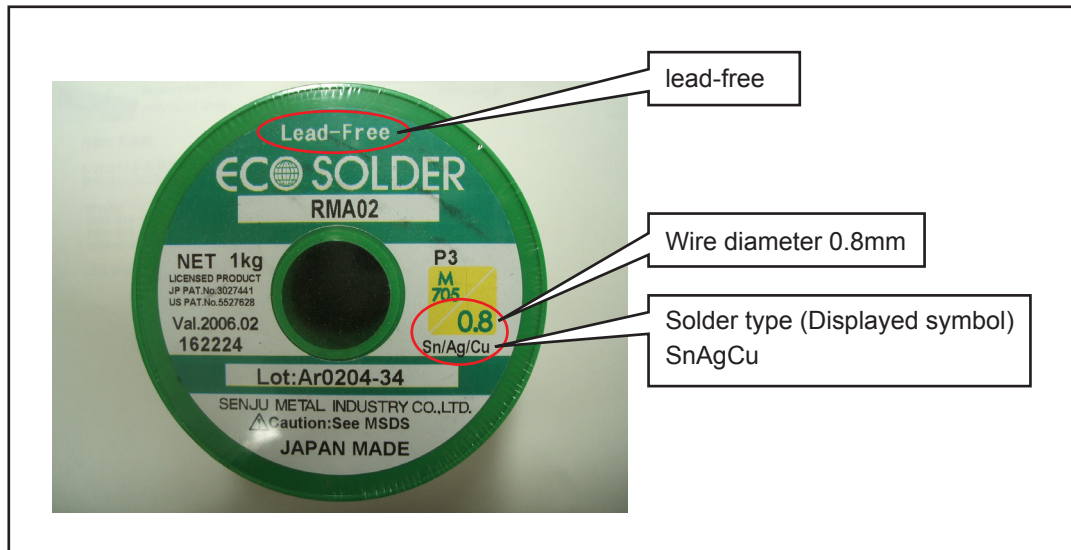
■ Solder wire (thread)

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.

MEMO

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1. General

1-1. Product specification

System	
Model	Digital camera FinePix S5700 / FinePix S700
Effective pixels	7.1 million pixels
CCD	1/2.5-inch CCD
Storage media	Internal memory (approx. 27 MB)/xD-Picture Card (16/32/64/128/256/512 MB/1 GB/2 GB)/SD Memory Card (FUJIFILM recommendation)
File format	Still image: DCF-compliant Compressed: Exif ver.2.2 JPEG, DPOF-compatible *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: 3072 × 2304 pixels/3072 × 2048 pixels/2304 × 1728 pixels/1600 × 1200 pixels/ 640 × 480 pixels (7M /3.2/4M/2M/0.3M)
Lens	Fujinon 10× optical zoom lens F3.5
Focal length	f=6.33 mm-63.3 mm (Equivalent to approx. 38 mm-380 mm on a 35 mm camera)
Digital zoom	Approx. 4.8× (10× optical zoom lens is used together: Max. zoom scale: approx. 48×)
Aperture (Wide-angle)	F3.5 to F13.6 in 1/3 EV increments Manual/Auto selectable
Focal range	Normal: Wide-angle: approx. 30 cm (1.0 ft.) to infinity (In High-speed shooting mode: approx. 1.0 m (3.3 ft.) to infinity) Telephoto: approx. 1.0 m (3.3 ft.) to infinity (In High-speed shooting mode: approx. 1.0 m (3.3 ft.) to infinity) Macro: Wide-angle: 4 cm to 3.0 m (1.6 in. to 9.8 ft.) Telephoto: 60 cm to 3.0 m (2.0 ft. to 9.8 ft.) Super macro: approx. 1 cm to 1.0 m (0.4 in. to 3.3 ft.) (Wide-angle only)
Sensitivity	AUTO/Equivalent to ISO 64/100/200/400/800/1600 (Standard output sensitivity)
Photometry	TTL 256-zones metering Multi, Spot, Average
Exposure control	Program AE (When using P mode : Program Shift is enabled)/Shutter priority AE/ Aperture priority AE/Manual exposure
Scene position	(NATURAL LIGHT), (NATURAL &), (PORTRAIT), (LANDSCAPE), (SPORT), (NIGHT), (FIREWORKS), (SUNSET), (SNOW), (BEACH), (MUSEUM), (PARTY), (FLOWER), (TEXT)
Picture Stabilization	Available
Exposure compensation	-2 EV to +2 EV in 1/3 EV-step increments (P, A, S)
Shutter speed	: 1/4 sec. to 1/1000 sec.* : 3 sec. to 1/1000 sec.* : 4 sec. to 1/2 sec.* : 1/4 sec. to 1/1000 sec.* (flash only). P, A, S: 4 sec. to 1/1000 sec.* M: 4 sec. to 1/1000 sec.* *depend on Exposure mode
Continuous shooting	Top-3: Number of recorded frames: up to 3 frames (Max. 1.4 frames/sec.) Long-period: Number of recorded frames: Depend on memory size. 1.7 sec. interval at 7M N depending on quality level. (Max. 0.6 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), AF (AREA)

1. General

System

White balance	Automatic scene recognition/Presets (Fine, Shade, Fluorescent (Daylight), Fluorescent (Warm White), Fluorescent (Cool White), Incandescent) /Custom
Self-timer	Approx. 2 sec./10 sec.
Flash type	Popping the flash up automatically Effective range: (800): approx. 50 cm-6.2 m (1.6 ft.-20 ft.) (Macro): approx. 30 cm-3.0 m (1.0 ft.-9.8 ft.)
Flash mode	Auto, Red-eye Reduction, Forced Flash, Suppressed Flash, Slow Synchro, Red-eye Reduction + Slow Synchro
Viewfinder	0.24 inches, approx. 230,000 pixels low-temperature polysilicon TFT color LCD finder, Approx. 97% coverage
LCD monitor	2.5 inches, Aspect ratio: 4:3; approx. 230,000 pixels low-temperature polysilicon TFT color LCD monitor, Approx. 97% 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 depending on the available space on an Memory Card or internal memory.
Photography functions	High-speed shooting, Best framing, Post shot assist window, Frame No. memory, Histograms
Playback functions	Trimming, Slide Show, Multi-frame playback, Sorting by date, Image rotate, Histograms (Highlight warning), Voice memo
Other functions	PictBridge, Exif print, Language (日本語, English, Francais, Deutsch, Español, Italiano, 中文簡, 繁體, 한글, Русский, Português, Nederlands, Türkçe, Česky, Magyar, Polski, Svenska), Time difference, FinePix photo mode (F-mode), Discharging rechargeable batteries

■ Standard number of available frames/recording time per xD-Picture Card, SD Memory Card and internal memory
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 Memory Card with higher capacities.

Quality setting		7M F	7M N	3:2	4M	2M	03M	640 (30 fps)	320 (30 fps)
Number of recorded pixels		3072×2304		3072×2048	2304×1728	1600×1200	640×480	640×480	320×240
Image data size		3.5MB	1.8MB	1.6MB	980KB	630KB	130KB	—	—
Internal memory (approx. 27 MB)		7	15	17	27	44	215	30 sec.	47 sec.
xD-Picture Card	16 MB	4	9	10	16	25	124	17 sec.	27 sec.
	32 MB	9	18	20	32	51	249	34 sec.	55 sec.
	64 MB	18	36	41	64	102	499	70 sec.	1.8 min.
	128 MB	36	73	82	128	204	999	2.3 min.	3.7 min.
	256 MB	73	146	164	257	410	1999	4.7 min.	7.4 min.
	512 MB	147	293	329	515	819	3995	9.3 min.	14.8 min.
	1 GB	294	586	659	1031	1640	7996	18.7 min.	29.6 min.
	2 GB	586	1163	1305	2063	3199	15995	36.8 min.	59.2 min.
SD Memory Card	512 MB	142	283	319	499	793	3868	9 min.	14.3 min.
	1 GB	285	568	638	999	1589	7746	18.1 min.	28.7 min.
	2 GB	568	1127	1265	2000	3100	15504	35.6 min.	57.4 min.

Input/Output Terminal

A/V OUT (Audio/Visual output)	NTSC/PAL-type (with monaural sound)
Digital input/output	USB 2.0 Full-Speed, PTP (Picture Transfer Protocol)/MTP(Media Transfer Protocol)
DC input socket	AC Power Adapter AC-5VX (sold separately)

Power Supply and Others

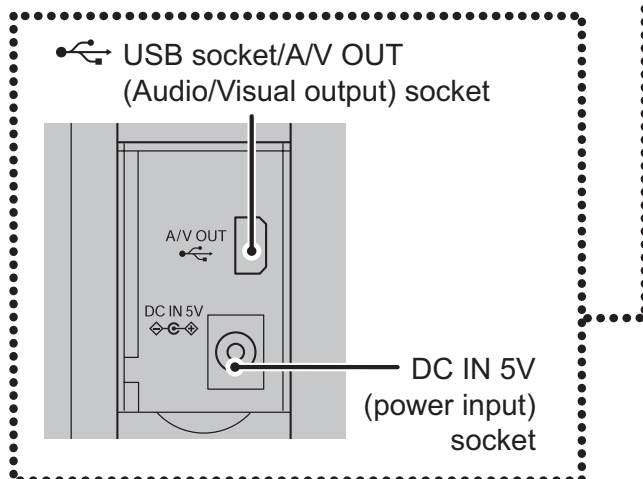
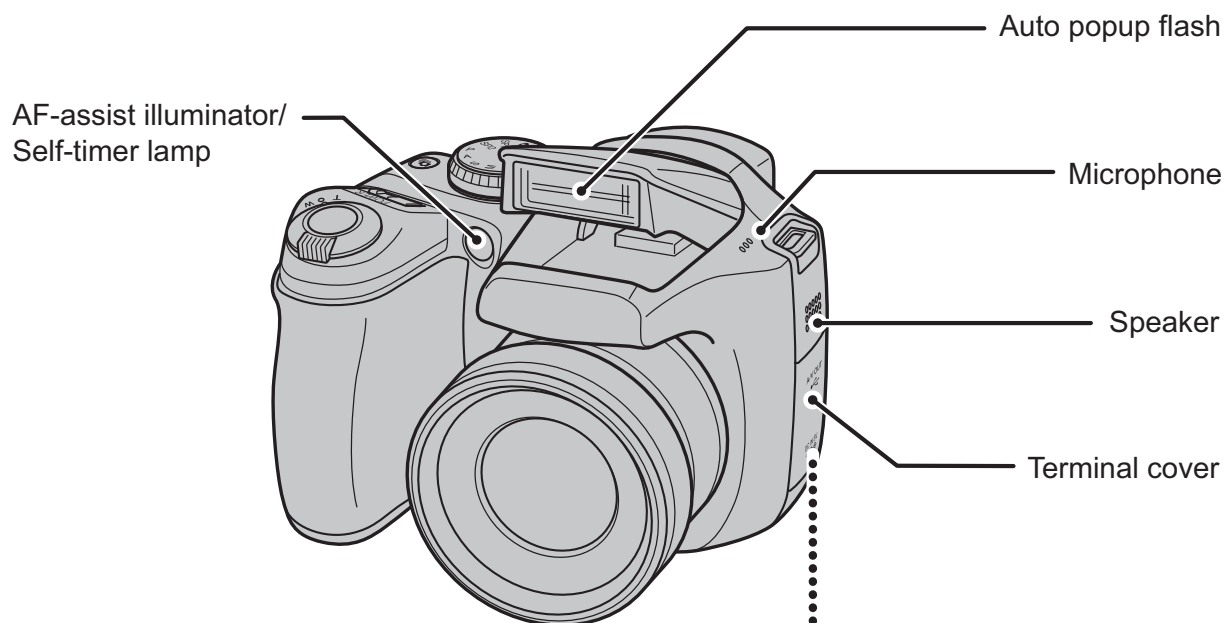
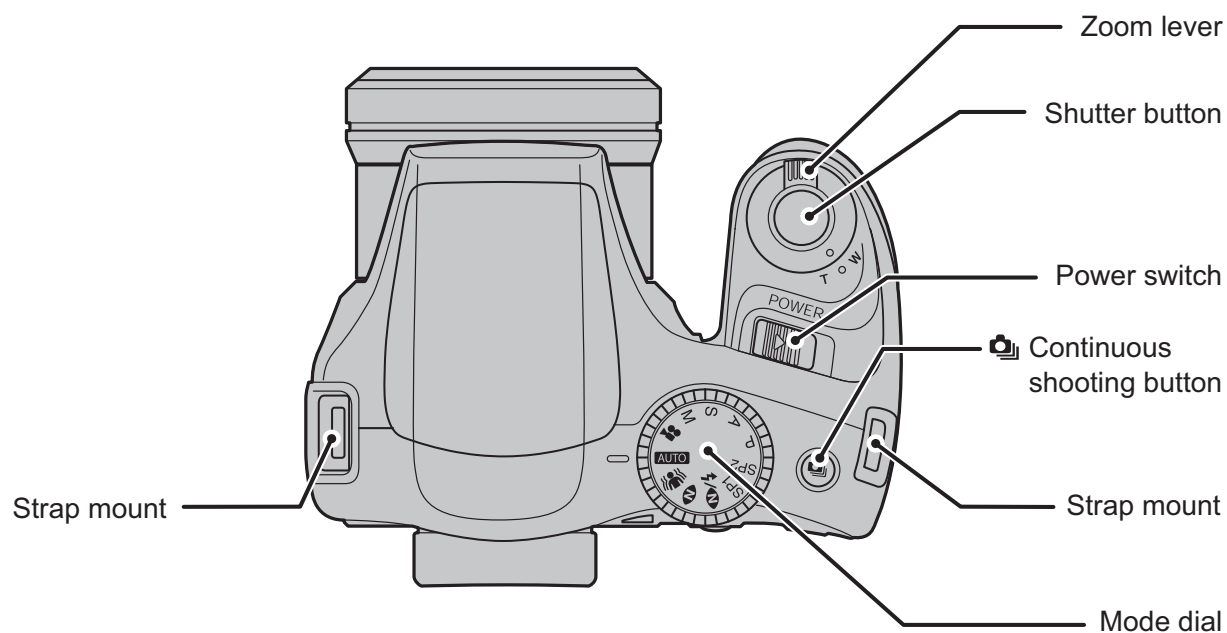
Power supply	Use one of the following: • 4× AA-size alkaline batteries • 4× AA-size Ni-MH (Nickel-Metal Hydride) batteries (sold separately) • AC Power Adapter AC-5VX (sold separately)		
Guide to the number of available frames for battery operation	Battery Type	With LCD monitor ON	With viewfinder (EVF) ON
	Alkaline batteries	Approx. 300 frames	Approx. 300 frames
	Ni-MH batteries 2500 mAh	Approx. 500 frames	Approx. 500 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. Pictures should be taken at a temperature of +23°C (+73°F), with the LCD monitor turned on, 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)	106.1 mm × 75.7 mm × 80.7 mm/4.2 in. × 3.0 in. × 3.2 in. (not including accessories and attachments)		
Camera mass (weight)	Approx. 306 g/10.8 oz. (not including accessories, batteries and Memory Card)		
Weight for photography	Approx. 400 g/14.1 oz. (including batteries and Memory Card)		
Operating conditions	Temperature: 0oC to +40oC (+32oF to +104oF) 80% humidity or less (no condensation)		
Accessories included	● AA-size Alkaline Batteries (LR6) (4) ● Strap (1) ● Lens cap (1 set) ● A/V cable (1) ● USB cable (1) ● CD-ROM (1) Software for FinePix CX ● Owner's Manual (1)		
Optional accessories	● xD-Picture Card 16MB/32MB/64MB/128MB/256MB/512MB/1GB/2GB ● AC Power Adapter AC-5VX ● Image Memory Card Reader DPC-R1 • 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		

1. General

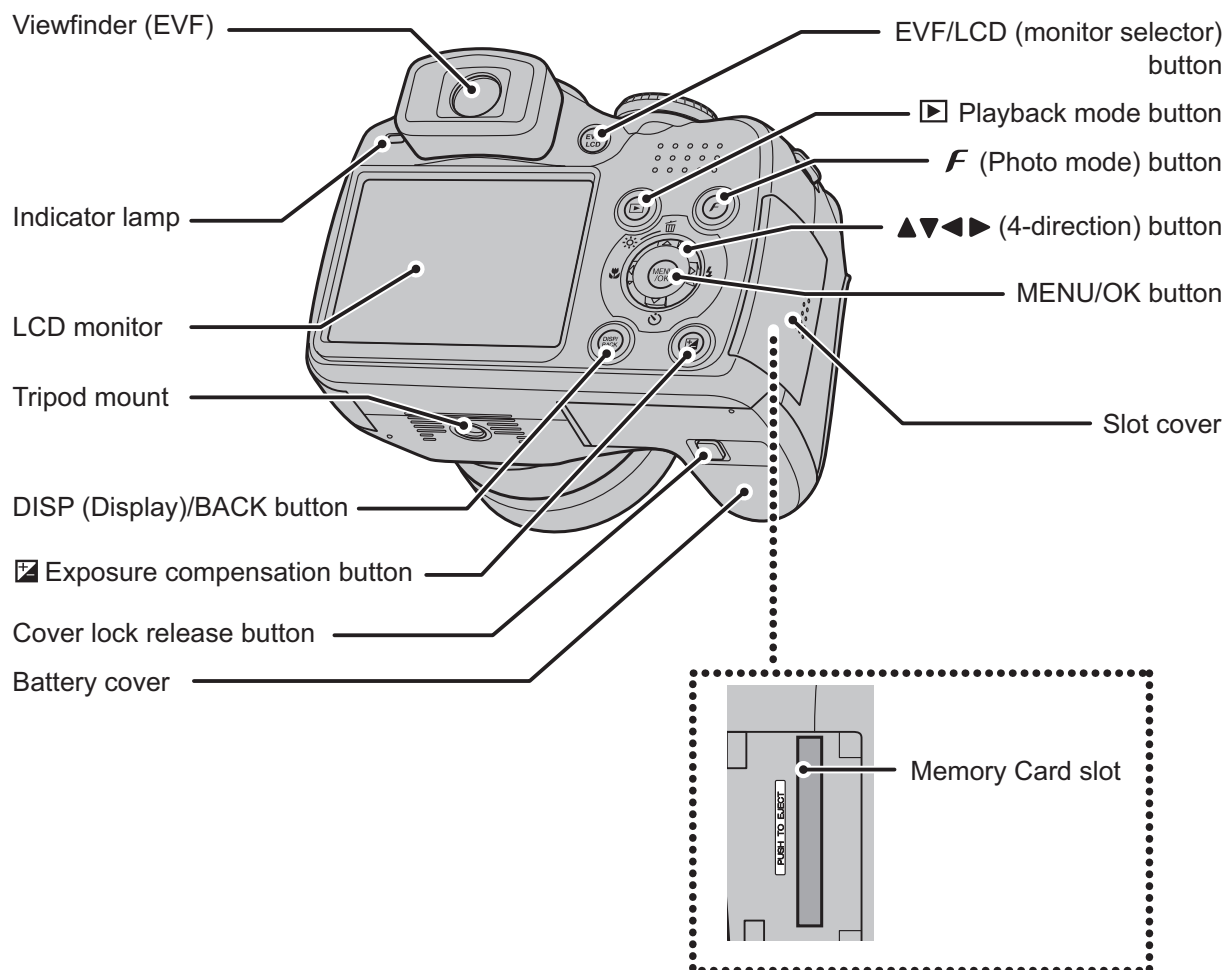
1-2. Explanation of Terms

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

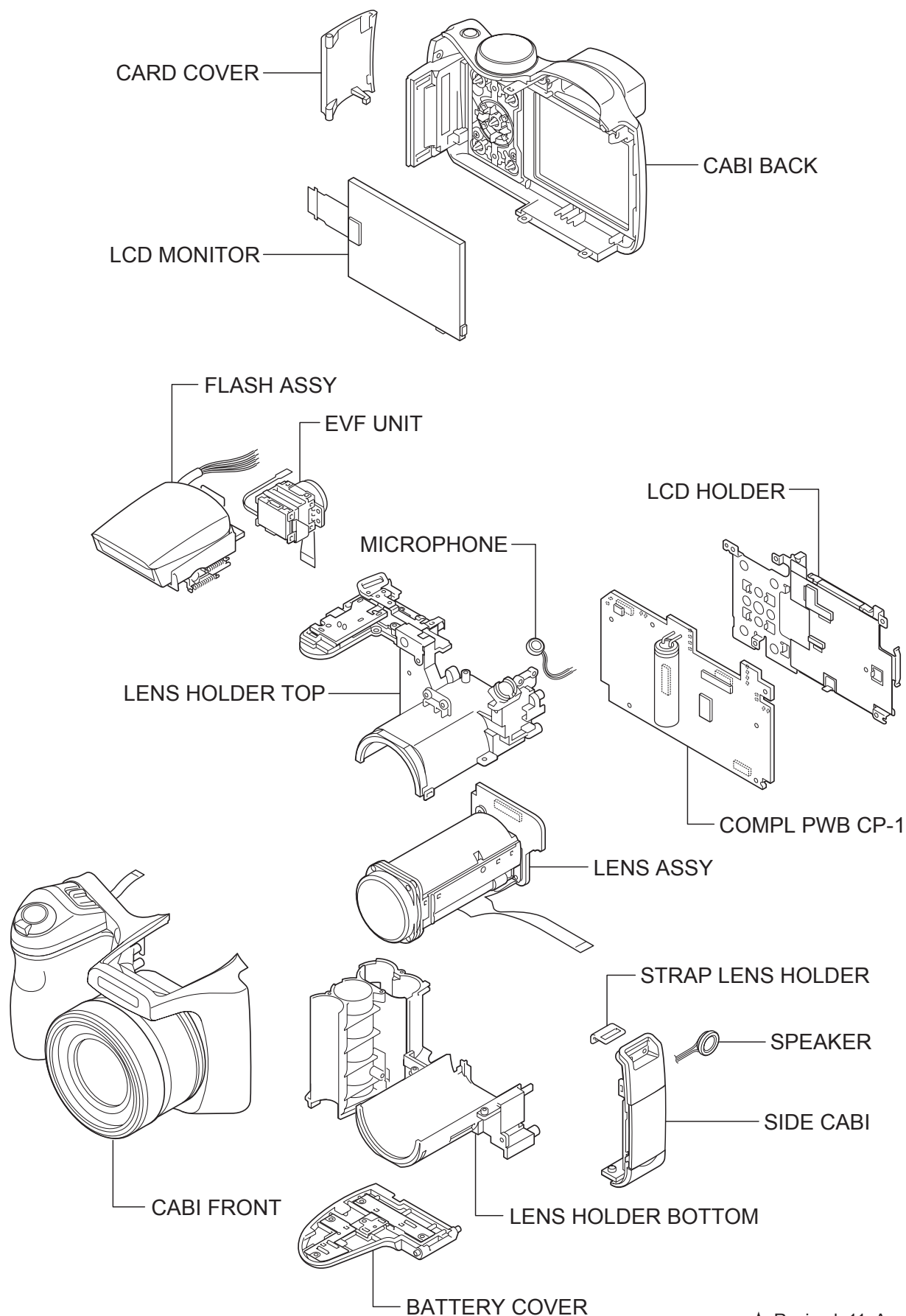


1. General



★2. Disassembly

2-1. Names of internal Components



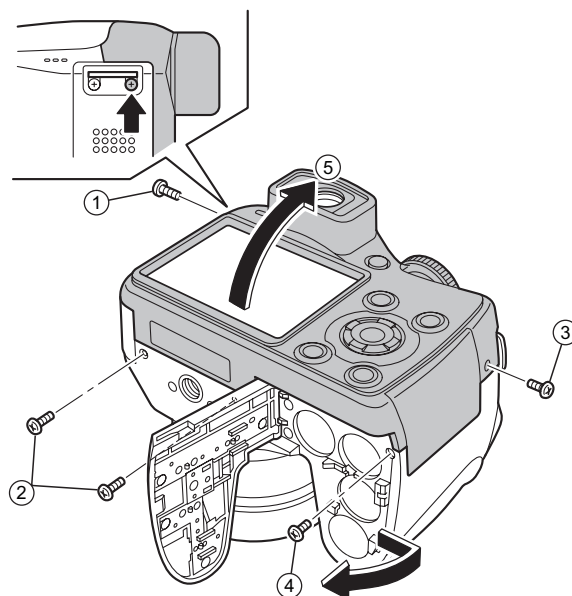
2. Disassembly

★2-2. Removing the REAR CONST

- (1) Remove the 1 screw (1.7 x 6.0).
- (2) Remove the 2 screws (1.7 x 6.0).
- (3) Remove the screw (1.7 x 4.0).
- (4) Open the BATTERY COVER and remove the screw (1.4 x 3.0).
- (5) Lift off the REAR CONST in the direction of the arrow.

[Notes]

- Raise the REAR CONST slowly because the MODE FPC is connected to the COMPL PWB, CP-1.
- Take care not to drop the CARD COVER.

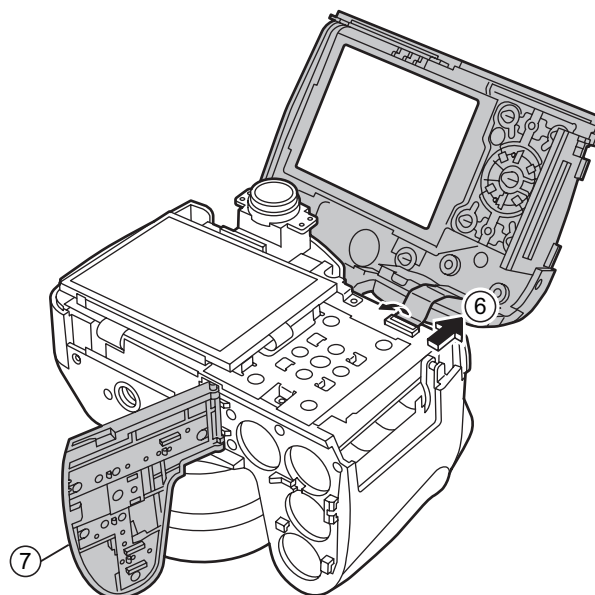


- (6) Unlock the connector and disconnect the flexible cable.

[Assembly]

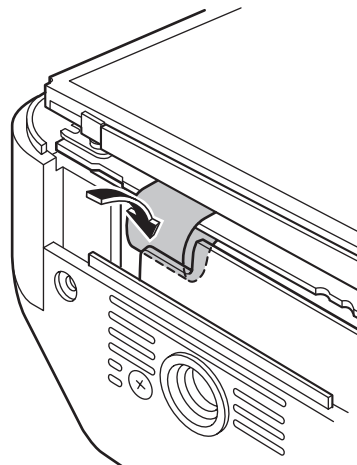
Install the CARD COVER on the REAR CONST and the BATTERY COVER on the CABI FRONT and assemble by carrying out the disassembly procedure in reverse.

- (7) Remove the BATTERY COVER.



[Notes on Assembly]

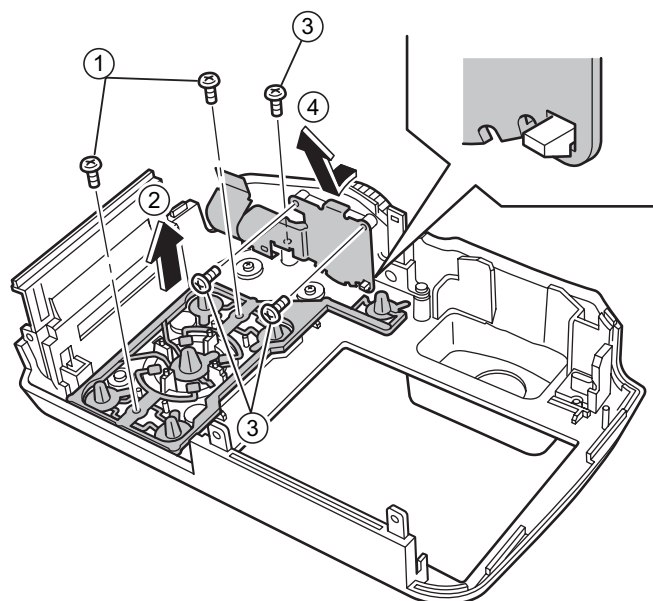
Take care with the routing of the LENS FPC.



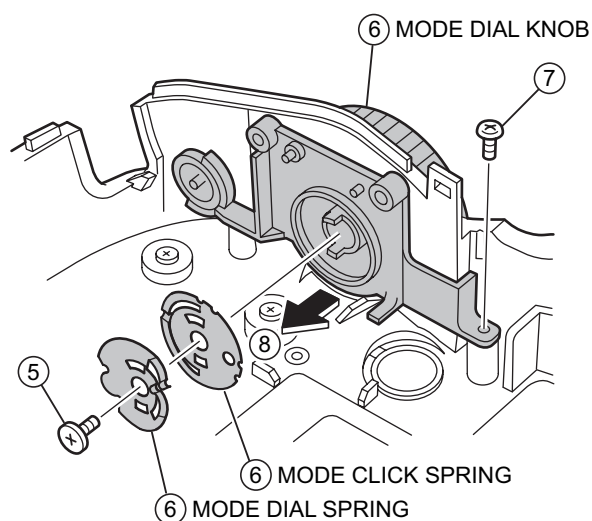
2. Disassembly

★2-3. Disassembling the REAR CONST

- (1) Remove the 2 screws (1.7 x 3.0).
- (2) Remove the BUTTON BASE in the direction of the arrow.
- (3) Remove the 3 screws (1.4 x 3.0).
- (4) Remove the MODE HOLDER PLATE in the direction of the arrow, taking care with the catches on the MODE DIAL HOLDER.



- (5) Hold the MODE DIAL KNOB to one side with your hand and remove the screw (1.7 x 3.0).
- (6) Remove the MODE DIAL SPRING, MODE CLICK SPRING and MODE DIAL KNOB.
- (7) Remove the screw (1.4 x 3.0).
- (8) Remove the MODE DIAL HOLDER.



[Notes]

Take care not to bend the MODE DIAL SPRING section.

[Assembly]

Assemble by performing the disassembly procedure in reverse.



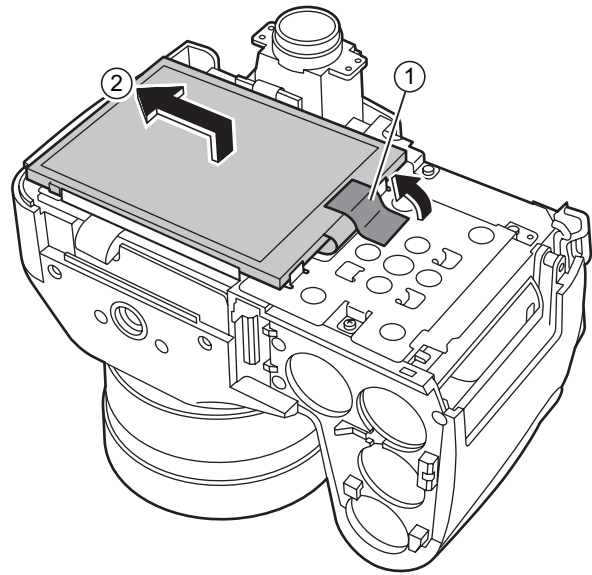
2. Disassembly

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★2-4. Removing the LCD

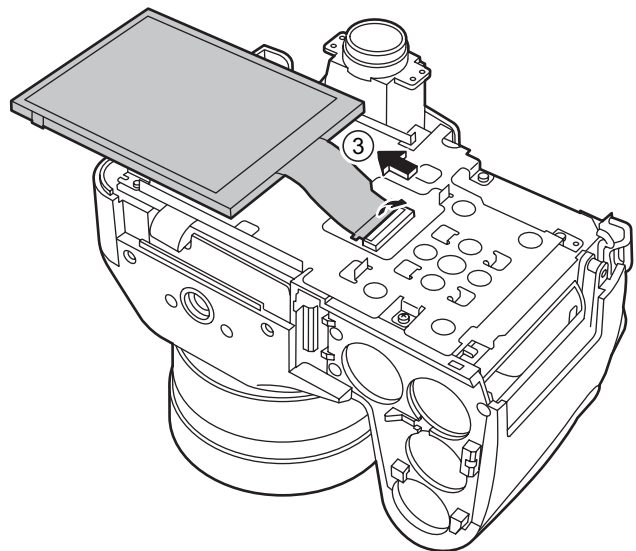
- (1) Peel off the SHEET SHADE.
- (2) Raise the LCD in the direction of the arrow.



- (3) Unlock the connector and remove the LCD.

[Assembly]

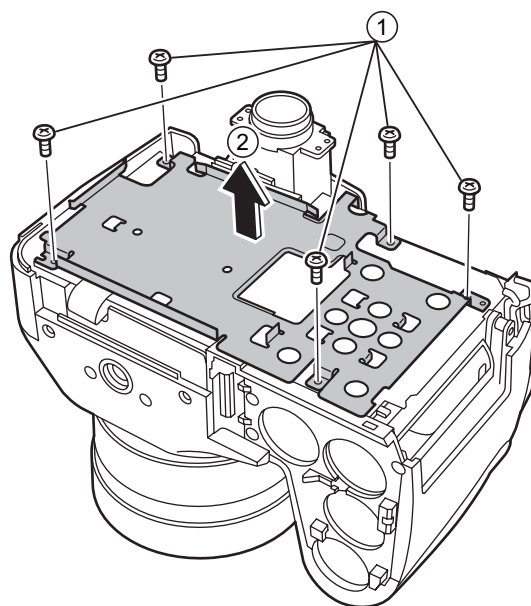
Assemble by performing the disassembly procedure in reverse.



★ Revised: 11, Apr. 2007

★2-5. Removing the COMPL PWB,CP-1

- (1) Remove the 5 screws (1.7 x 4.0).
- (2) Remove the LCD HOLDER in the direction of the arrow.

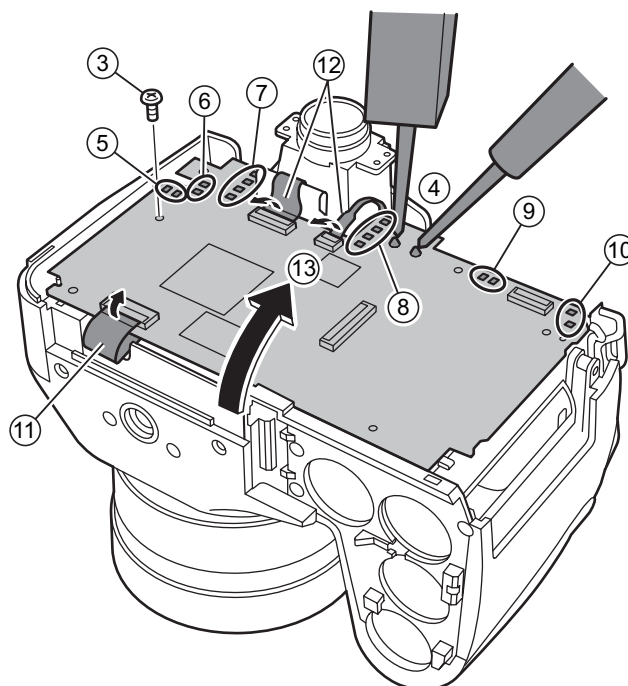


- (3) Remove the screw (1.7 x 4.0).
- (4) Discharge the main capacitor.



Take care not to touch the main capacitor terminals before discharging the capacitor.

- (5) Remove the solder in 2 locations on the SPEAKER lead wires.
- (6) Remove the solder in 2 locations on the MICROPHONE lead wires.
- (7) Remove the solder in 4 locations on the lead wires from the EVF UNIT.
- (8) Remove the adhesive and then remove the solder in 4 locations on the lead wires from the FLASH ASSY.
- (9) Remove the solder in 2 locations on the AF LED lead wires.
- (10) Remove the adhesive and then remove the solder in 2 locations on the lead wires from the COMPL PWB, PW-1.
- (11) Unlock the connector and remove the LENS FPC.
- (12) Release the 2 connector locks and remove the FPC for the EVF UNIT.
- (13) Lift up the COMPL PWB, CP-1 in the direction of the arrow.

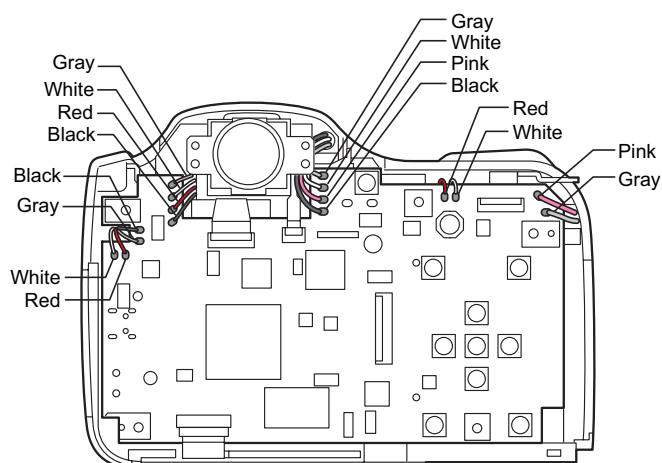
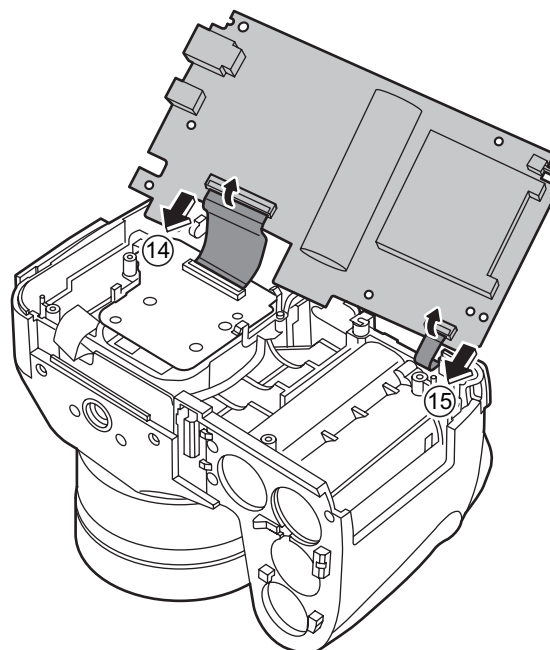


2. Disassembly

- ★ (14) Unlock the connector and remove the FPC.
- (15) Unlock the connector and remove the FPC for the ZOOM SW UNIT.

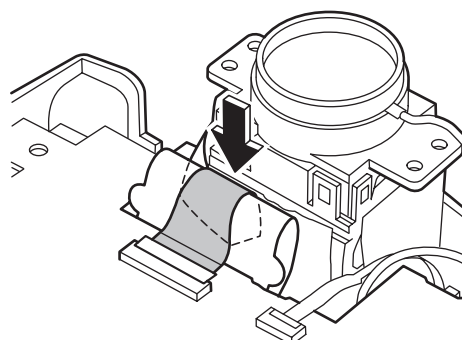
[Assembly]

Assemble by performing the disassembly procedure in reverse.



[Notes on Assembly]

- Take care to route the EVF UNIT FPC correctly.

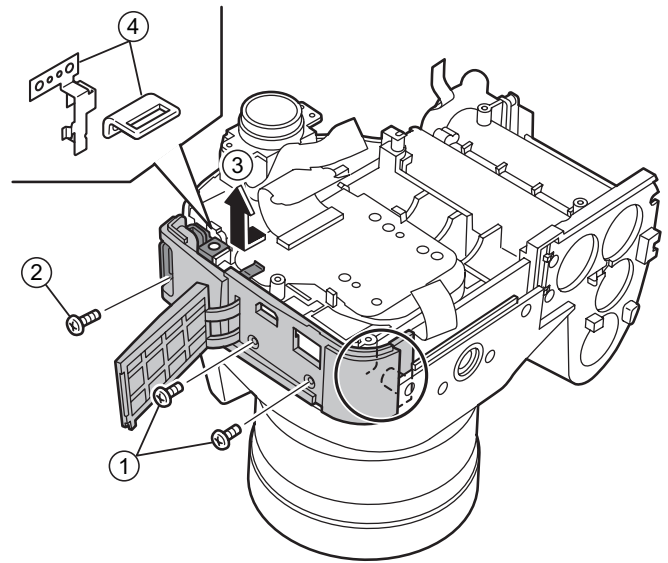


★2-6. Removing the SIDE CABI

- (1) Open the JACK COVER and remove the 2 screws (1.7 x 3.0).
- (2) Remove the screw (1.7 x 6.0).
- (3) Remove the SIDE CABI in the direction of the arrow, taking care with the SPEAKER lead wires.
- (4) Remove the STRAP LENS HOLDER and STRAP EARTH.

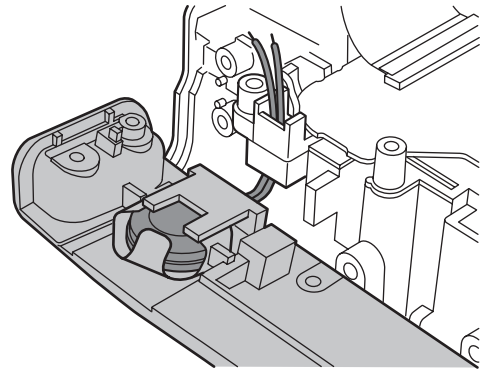
[Assembly]

Assemble by performing the disassembly procedure in reverse.



[Notes on Assembly]

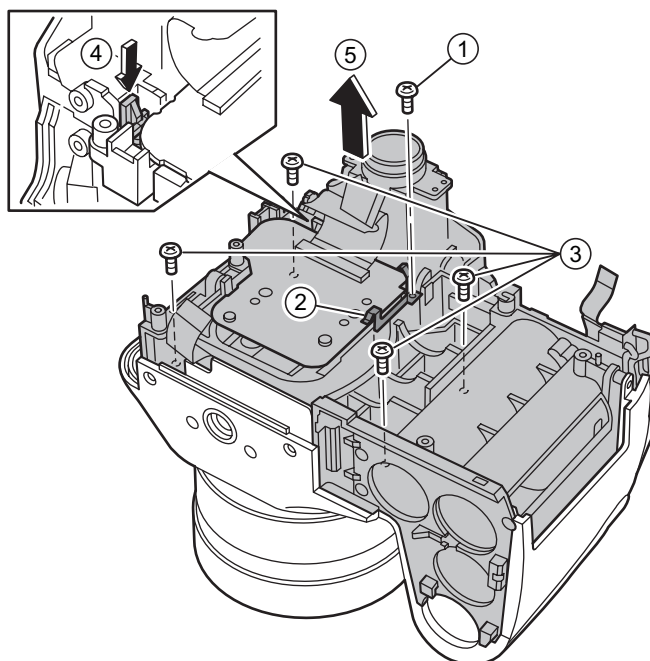
Stowing the SPEAKER lead wires as shown in figure.



2. Disassembly

★2-7. Removing the LENS

- (1) Remove the screw (1.4 x 3.0).
- (2) Remove the EARTH PLATE.
- (3) Remove the 4 screws (1.7 x 4.0).
- (4) Press straight down on the SLIDE RETURN HOLDER (pale orange) and pop up the FLASH UNIT.
- (5) Lift up the LENS HOLDER BLOCK in the direction of the arrow.

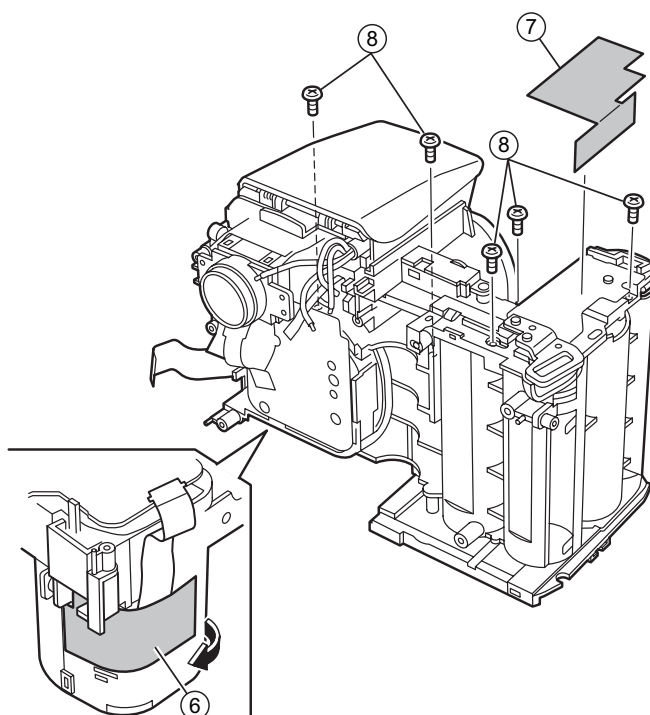


- (6) Peel off the SHEET LENS FPC.

[Notes]

When peeling off the SHEET LENS FPC, take care not to break any wires in the LENS FPC.

- (7) Peel off the SHEET LEAD POWER.
- (8) Remove the 5 screws (1.7 x 4.0).



2. Disassembly

- ★ (9) Release the 2 catches and remove the LENS HOLDER TOP in the direction of the arrow.

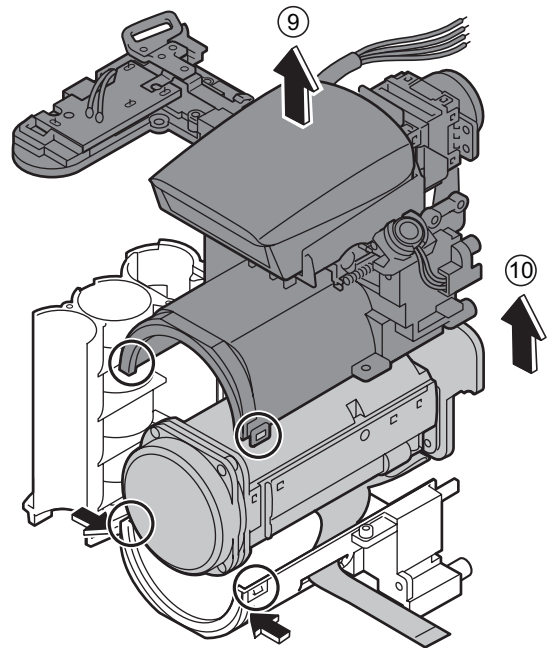
[Notes]

- When removing the LENS from the LENS HOLDER BOTTOM, take care not to break any wires in the LENS FPC.

- (10) Remove the LENS.

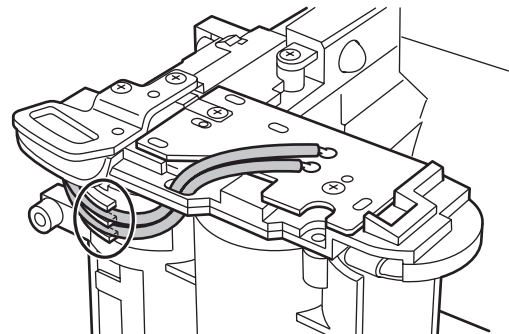
[Assembly]

Assemble by performing the disassembly procedure in reverse.



[Notes on Assembly]

Stowing the lead wires as shown in figure.



2. Disassembly

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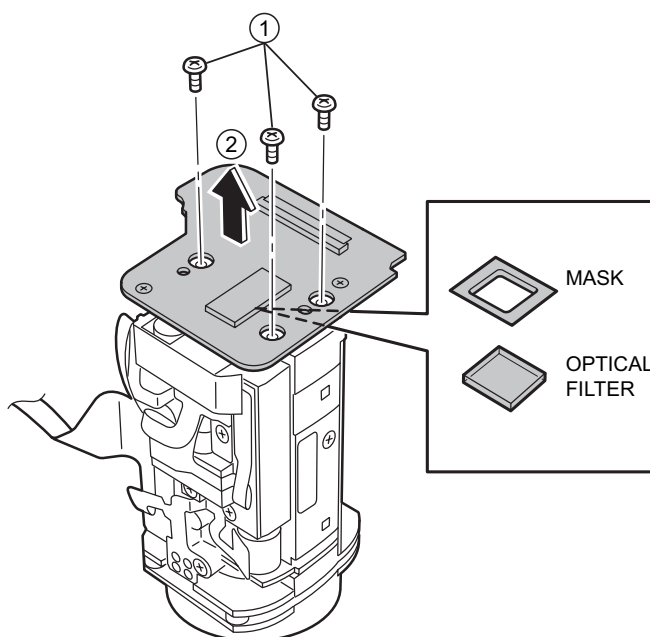
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★2-8. Removing the CCD PWB

- (1) Remove the 3 screws.
- (2) Remove the COMPL PWB, CA-1, MASK and OPTICAL FILTER.

[Assembly]

Assemble by performing the disassembly procedure in reverse.

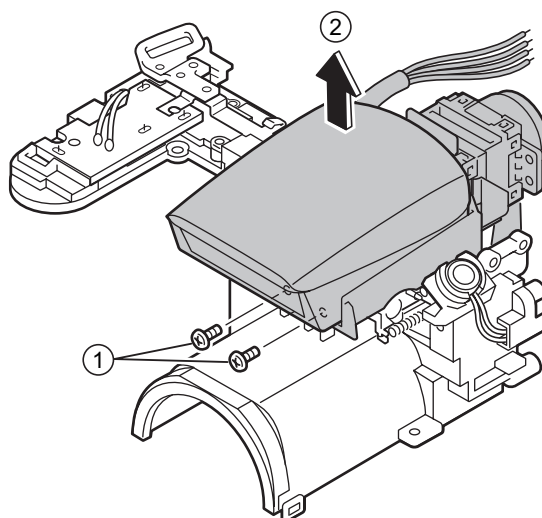


★ Revised: 11, Apr. 2007

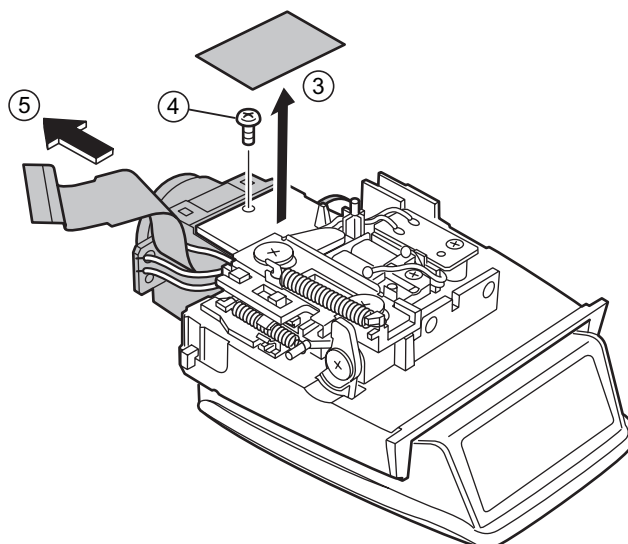
2. Disassembly

★2-9. Removing the FLASH UNIT and EVF UNIT

- (1) Remove the 2 screws (1.7 x 4.0).
- (2) Remove the FLASH UNIT in the direction of the arrow.



- (3) Peel off the SHEET EVF B.
- (4) Remove the screw (1.7 x 3.0).
- (5) Remove the EVF UNIT.



[Assembly]

Assemble by performing the disassembly procedure in reverse.

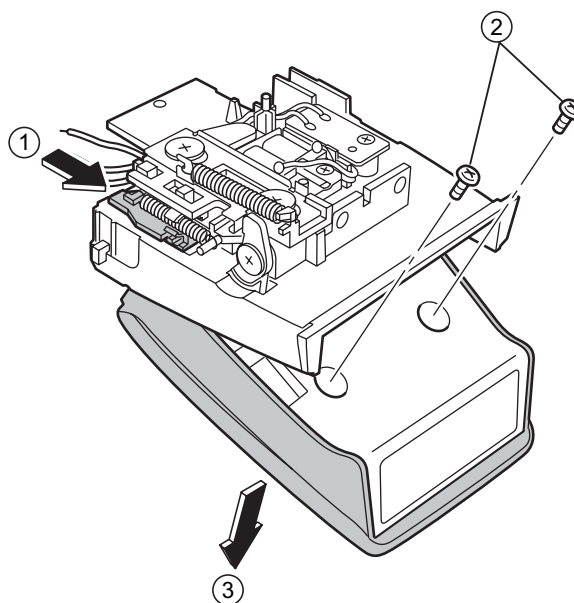
2. Disassembly

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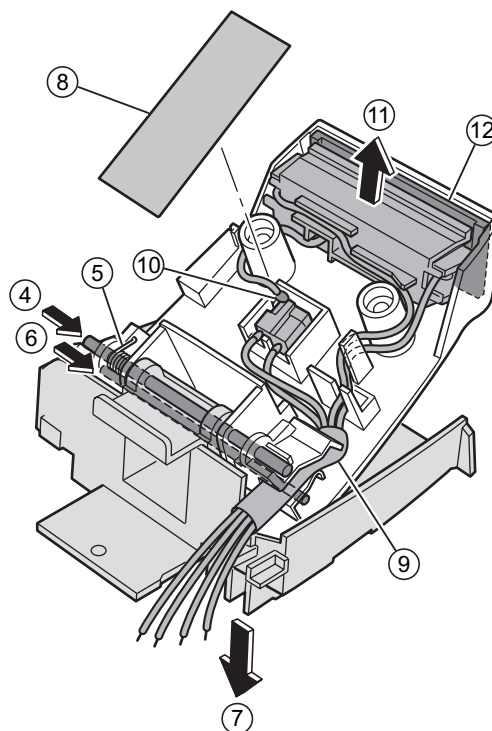
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★2-9-1. Disassembling the FLASH UNIT

- (1) Slide the SLIDE RETURN HOLDER in the direction of the arrow and pop up the FLASH UNIT.
- (2) Remove the 2 screws (1.7 x 4.0).
- (3) Remove the COVER ST TOP in the direction of the arrow.



- (4) Push out the ST SHAFT in the direction of the arrow.
- (5) Remove the ST POP SPRING.
- (6) Push out the ST COVER SHAFT in the direction of the arrow.
- (7) Remove the ST COVER BOTTOM.
- (8) Peel off the SHEET ST A.
- (9) Remove the 4 lead wires from the ST COVER BOTTOM guide slot and pull out the TUBE.
- (10) Remove the solder in 1 location and remove the TRANS.
- (11) Remove the FLASH HOLDER in the direction of the arrow.
- (12) Remove the FLASH COVER.



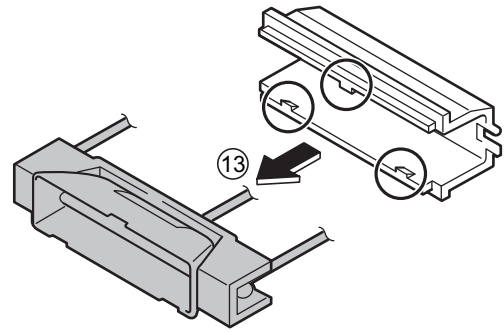
★ Revised: 11, Apr. 2007

2. Disassembly

- ★ (13) While releasing the 3 FLASH HOLDER catches, remove the LAMP ASSY.

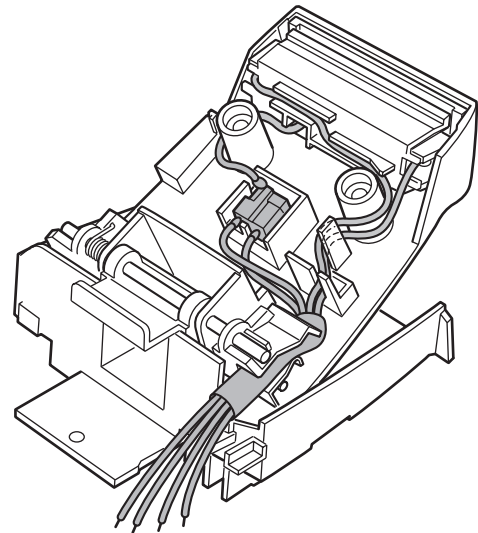
[Assembly]

Assemble by performing the disassembly procedure in reverse.

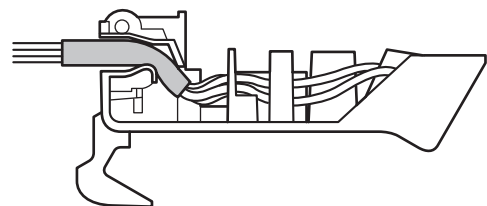


[Notes on Assembly]

- Stowing the lead wires as shown in figure.



- TUBE positioning.



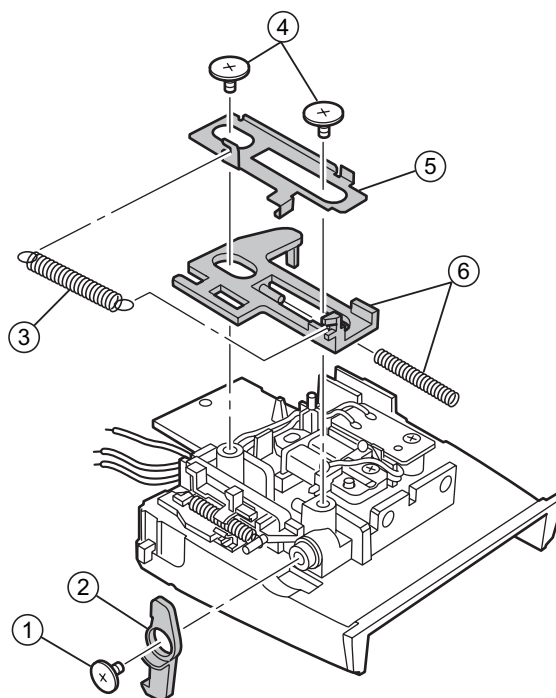
2. Disassembly

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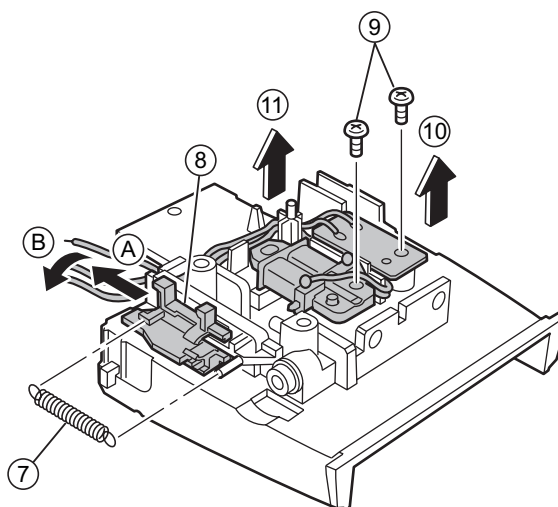
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★2-9-2. Disassembling the ST HOLDER

- (1) Remove the screw (1.4 x 2.0).
- (2) Remove the ST LOCK LEVER.
- (3) Remove the LOCK SPRING.
- (4) Remove the 2 screws (1.7 x 3.0).
- (5) Remove the SLIDE PLATE.
- (6) Remove the ST SLIDE HOLDER and SOLENOID SPRING.



- (7) Remove the RETURN SPRING.
- (8) Slide the SLIDE RETURN HOLDER in the direction of arrow (1) and remove it in the direction of arrow (2).
- (9) Remove the 2 screws.
- (10) Remove the COMPL PWB, TB-2.
- (11) Remove the SLD UNIT.



[Assembly]

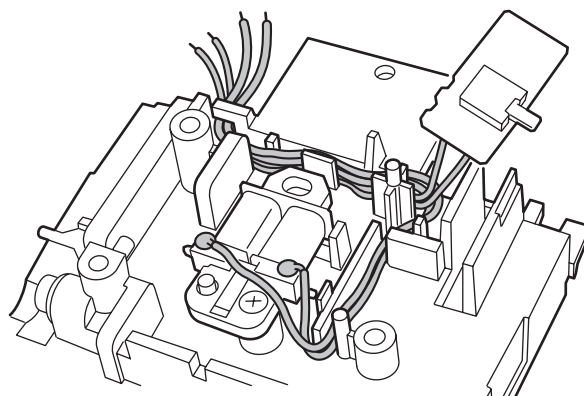
Assemble by performing the disassembly procedure in reverse.

★ Revised: 11, Apr. 2007

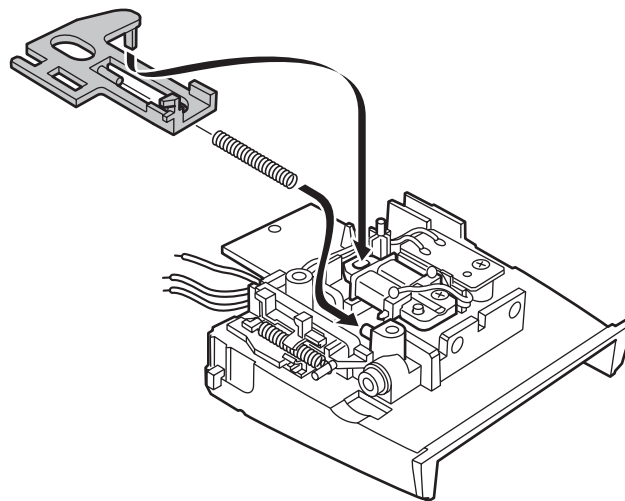
2. Disassembly

★ [Notes on Assembly]

- Stowing the lead wires as shown in figure.



- Spring positioning and its meshing location with the motor.



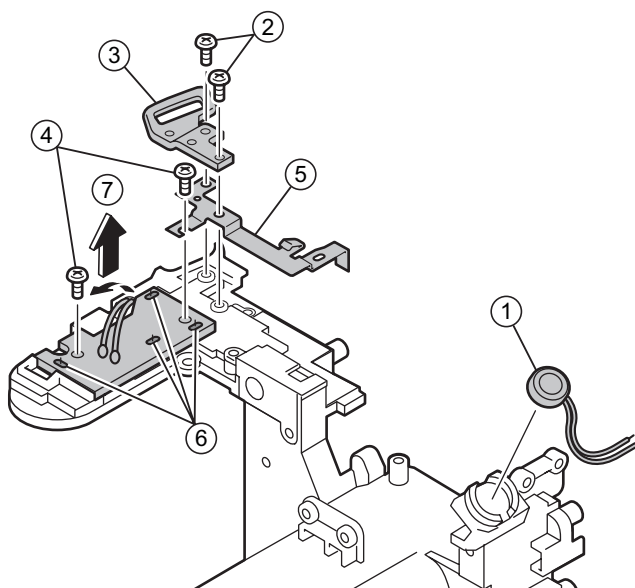
2. Disassembly

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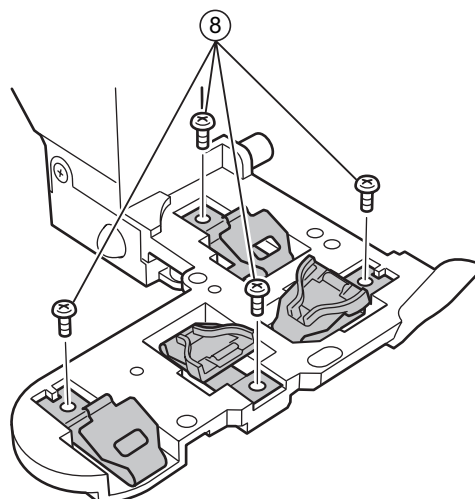
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★2-10. Disassembling the LENS TOP HOLDER

- (1) Remove the MICROPHONE.
- (2) Remove the 2 screws (1.7 x 3.0).
- (3) Remove the STRAP GRIP HOLDER.
- (4) Remove the 2 screws (1.7 x 3.0).
- (5) Remove the STRAP GRIP EARTH.
- (6) Remove the solder in 4 locations.
- (7) While pulling the 2 lead wires out of the groove in the LENS HOLDER TOP, remove the COMPL PWB, PW-1.



- (8) Remove the 4 screws (1.7 x 2.5) and then remove BATTERY TERMINAL A and BATTERY TERMINAL B.



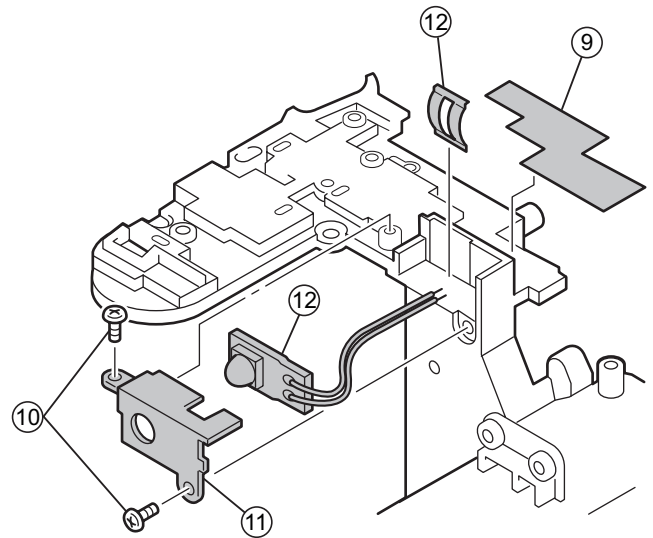
★ Revised: 11, Apr. 2007

2. Disassembly

- ★ (9) Peel off the AF LED SHEET.
- (10) Remove the 2 screws (1.7 x 3.0).
- (11) Remove the AF LED HOLDER.
- (12) Remove the COMPL PWB, TB-1 and AF LED SPRING.

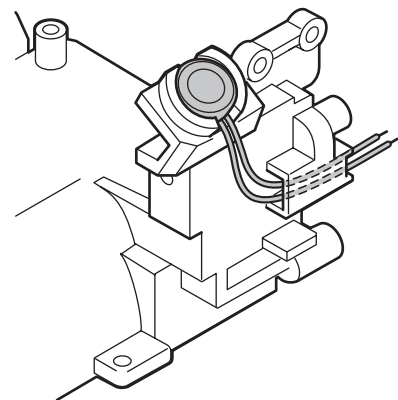
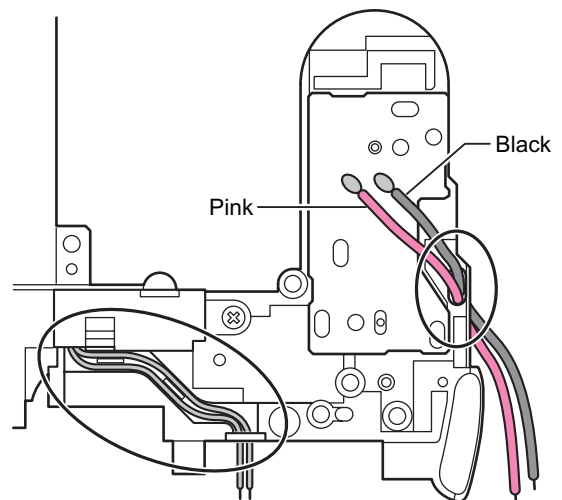
[Assembly]

Assemble by performing the disassembly procedure in reverse.



[Notes on Assembly]

- Stowing the lead wires as shown in figure.



2. Disassembly

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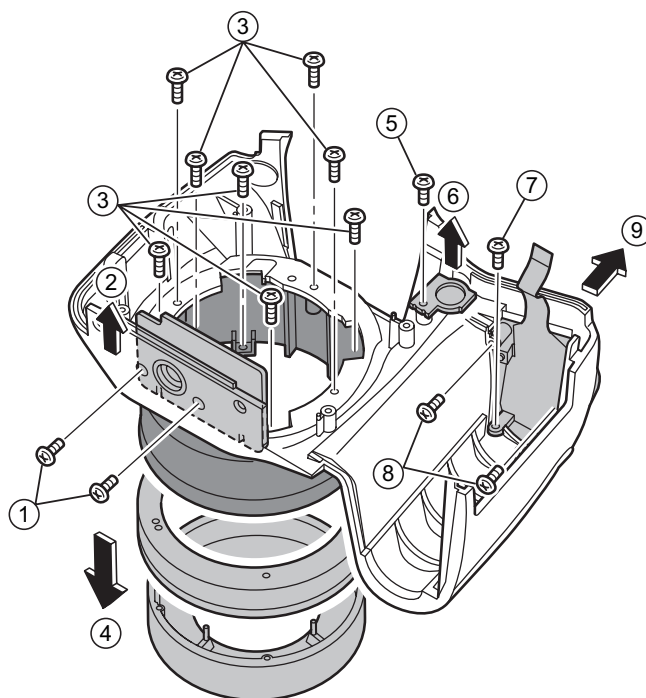
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★2-11. Disassembling the CABI FRONT

- (1) Remove the 2 screws (1.7 x 4.0).
- (2) Remove the STAND.
- (3) Remove the 8 screws (1.7 x 6.0).
- (4) Remove the LENS RING TOP, LENS RING MIDDLE and LENS RING BOTTOM.
- (5) Remove the screw (1.4 x 3.0).
- (6) Remove the AF LED COVER.
- (7) Remove the screw (1.7 x 2.5).
- (8) Remove the 2 screws (1.4 x 3.0).
- (9) Remove the ZOOM SW UNIT.

[Assembly]

Assemble by performing the disassembly procedure in reverse.



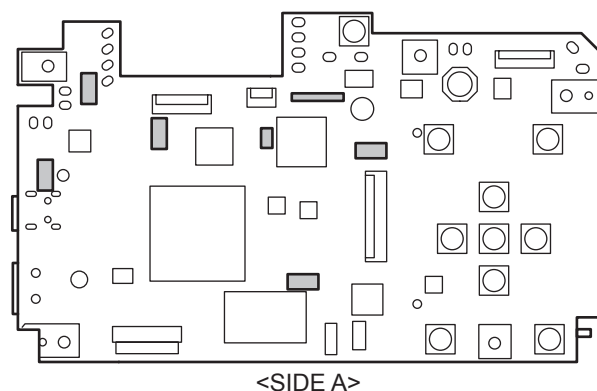
★ Revised: 11, Apr. 2007

2. Disassembly

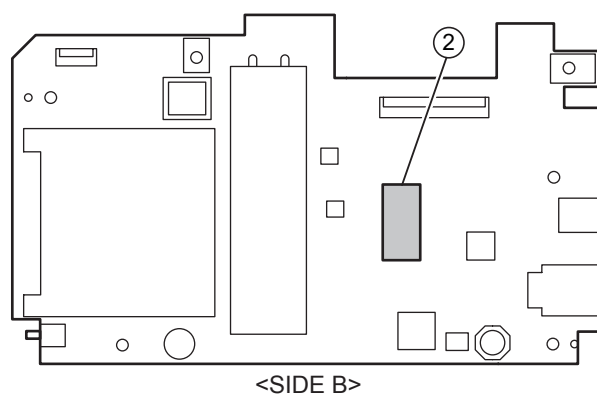
★2-12. Affixing locations for SPACERS and SHEETS

2-12-1. Attaching the SPACER to the COMPL PWB,CP-1

- (1) Attach the SPACER to the <SIDE A> as shown in the figure on the right.

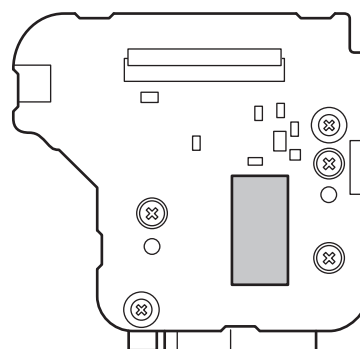


- (2) Attach the SPACER to the <SIDE B> as shown in the figure on the right.



2-12-2. Attaching the CCD SPACER to the COMPL PWB,CA-1

Attach the CCD SPACER to the COMPL PWB,CA-1 as shown in the figure on the right.



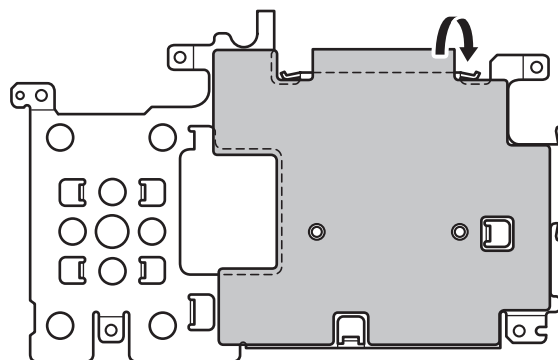
2. Disassembly

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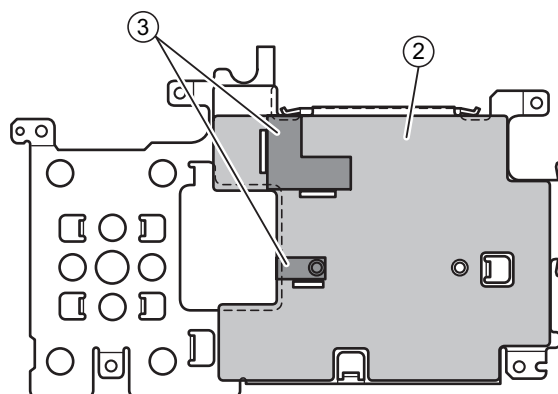
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★2-12-3. Attaching the SHEET and SPACER to the LCD HOLDER

- (1) Attach the SHEET LCD HOLDER B to the LCD HOLDER as shown in figure.

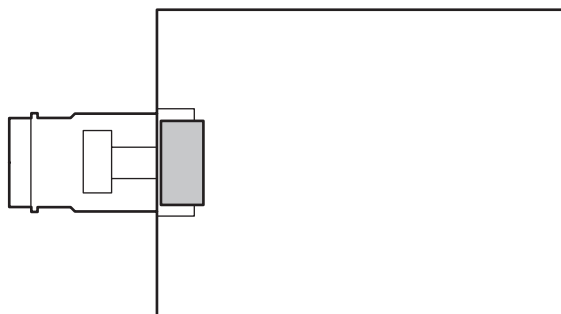


- (2) Attach the SHEET LCD HOLDER B over the SHEET LCD HOLDER A as shown in figure.
(3) Attach the MAIN FLAME A and MAIN FLAME B as shown in figure.

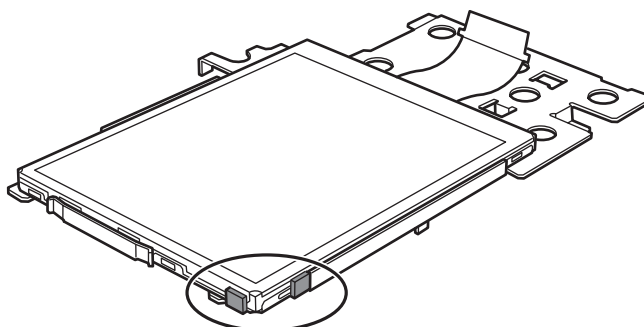


2-12-4. Attaching the MAIN/LCD SPACER and SHEET SHADE to the LCD

- (1) Attach the MAIN/LCD SPACER to the LCD as shown in figure.



- (2) Attach the two SHEET SHADE to the LCD as shown in figure.

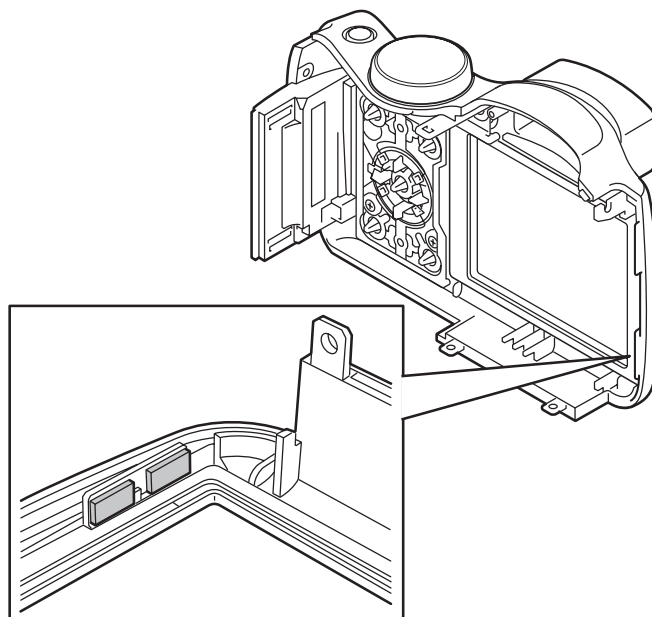


★ Revised: 11, Apr. 2007

2. Disassembly

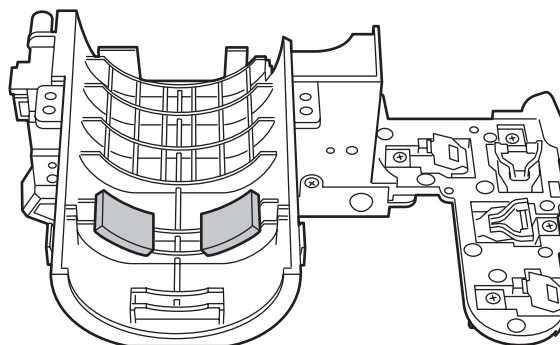
★2-12-5. Attaching the LCD SPACER A to the CABI BACK

Attach the LCD SPACER A to the CABI BACK as shown in figure.



2-12-6. Attaching the LENS SPACER to the LENS HOLDER TOP

Attach the LENS SPACER to the LENS HOLDER TOP as shown in figure.



2. Disassembly

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MEMO

3. Schematics

3-1. Description of CCD circuit operation

3-1-1. Overview

The CCD peripheral circuit block is primarily made up of the following ICs:

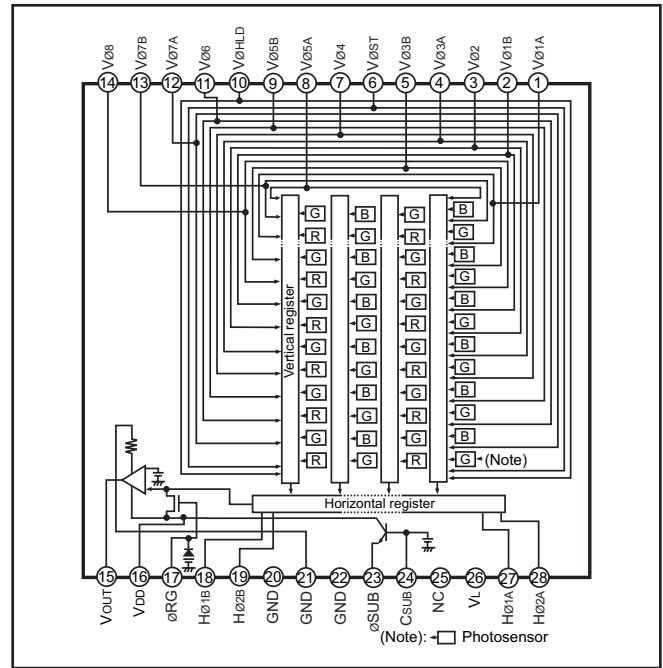
IC931 (ICX629AQN) CCD imager

IC905 (AD9971BCPZRL) H driver, CDS, AGC and A/D converter

IC901 (CXD3443GA) V driver

3-1-2. IC931 (CCD imager)

- Interline CCD image sensor
- Image size: 7.208 mm diagonal (1/2.5-inch)
- Total pixels: 3164 x 2342 (H x V)
- Recorded pixels: 3072 x 2304 (H x V)



<Fig 3-1. CCD block diagram>

Terminal No.	Terminal symbol	Terminal description	Terminal No.	Terminal symbol	Terminal description
1	V01	Vertical register transfer clock	15	VOUT	Signal output
2	V0ST	Horizontal addition control clock	16	VDD	Circuit power supply
3	V02	Vertical register transfer clock	17	0RG	Reset gate clock
4	V0HLD	Horizontal addition control clock	18	H01B	Horizontal register transfer clock
5	V03A	Vertical register transfer clock	19	H02B	Horizontal register transfer clock
6	V03B	Vertical register transfer clock	20	NC	NC
7	V04	Vertical register transfer clock	21	GND	GND
8	V05A	Vertical register transfer clock	22	GND	GND
9	V05B	Vertical register transfer clock	23	0SUB	Board clock
10	V06	Horizontal addition control clock	24	Csub	Board bias
11	V07	Vertical register transfer clock	25	NC	NC
12	V08	Vertical register transfer clock	26	VL	Protective transistor bias
13	V09	Vertical register transfer clock	27	H01A	Horizontal register transfer clock
14	V010	Vertical register transfer clock	28	H02A	Horizontal register transfer clock

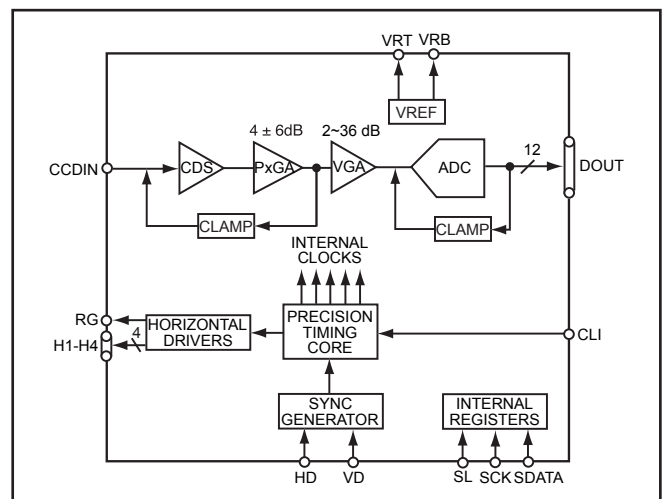
<Table 3-1. Explanation of the CCD terminals>

3-1-3. IC901 (V driver) and IC905 (H driver)

The H driver and V driver are needed to create the clocks that drive the CCD (vertical transfer clock, horizontal transfer clock and the clock for the electronic shutter). IC901 is the V driver and uses the XV1 to XV10 output from IC101 to create the vertical transfer clock. XSG is superimposed in IC901 to create a three-value pulse. Also, the XSUB output from IC101 is the discharge pulse for the electronic shutter. The H driver is built into IC905 and the H1, H2 and RG clocks are generated by IC905.

3-1-4. IC905 (CDS, AGC and A/D converter)

The video signals output from the CCD are input to pin 25 on IC905. IC905 contains the sampling hold block, AGC block and A/D converter block. The sampling phase and AGC amplifier settings are specified based on the serial data from pin 33. Video signals are A/D converted and output by the LVDS.



<Fig 3-2. IC905 block diagram>

3. Schematics

3-2. Description of CP1 circuit operation

3-2-1. Circuit Description

Digital clamp

The black level for each line in the CCD output data is prepared by calculating an average value for the optically black portions of the CCD and subtracting that value from subsequent data. The average value for a line in the optically black sections of the CCD is taken as the sum of the value for the previous line multiplied by a coefficient k and the value for the current line multiplied by a coefficient $(k-1)$.

Signal processor

Gamma (γ) correction circuit: Gamma correction is performed so that there is a linear correlation between the optical input to the camera and the optical output from the imaging screen.

Color signal generation circuit: This circuit converts the CCD data to RGB signals.

Matrix circuit: This circuit generates Y, R-G and B-G signals from the RGB signals.

Horizontal/Vertical aperture circuit: This circuit generates the aperture signal.

AE, AWB and AF calculation circuit

AE and AWB are calculated by dividing the screen into 64 zones, while AF is calculated by dividing the screen into 6 zones.

SDRAM controller circuit

This circuit outputs the AS, CAS, RAS and address used for SDRAM control. This circuit also refreshes the SDRAM.

Communication control

SIO: The interface with the 8-bit microprocessor.

SIO for PIO, PWM and LCD: This is 8-bit parallel input/output that permits individual input/output and PWM output switching.

TG/SG

Generates the timing and 7-megapixel CCD control.

Digital encoder

Generates chroma signals from the color difference signals.

3-2-2. Outline of Operation

When the shutter is released, a reset signal and serial signal (TAKE A PICTURE instruction) are sent from the 8-bit microprocessor as input for the ASIC and CPU and operation begins. When the TG/SG drives the CCD, the image data passes through A/D conversion and the CDS and is input to the ASIC as 12-bit data. The input data then passes through the digital clamp and is input to the SDRAM.

This data is then used to calculate the AF, AE, AWB, shutter and AGC values. Exposure is normally carried out 3 more times to obtain the best possible image. The image data temporarily held in SDRAM is then loaded into the CPU and the colors are generated. The RGB data for each pixel is obtained by interpolating from the RGB data for the surrounding pixels. Following AWB and gamma (γ) processing, the matrix is obtained and the aperture is corrected for the Y signal. This data is then compressed in JPEG format and written to card memory (xD-Picture card or SD card). When the data is output to external media, the data is taken from memory and output as serial data via USART. When images are displayed on the LCD or monitor, the data is transferred from memory to SDRAM, expanded into the SDRAM display area and then displayed.

3-2-3. LCD Block

The LCD display circuit is on the CP1 board and includes its own power supply circuit.

The signals from the ASIC are 8-bit digital signals and are input directly to the LCD. In the LCD, they are converted to RGB signals by the driver circuit. The LCD controls factors such as brightness and image quality using a 3-wire serial interface.

Because the LCD elements close in response to differences in potential between the VCOM (common electrode voltage: AC) and RGB, the larger the difference, the darker the display. Conversely, a smaller potential difference opens the elements and brightens the display. In addition to video signals, timing pulses are also input directly to the LCD from the ASIC.

3-2-4. EVF Block

The EVF display circuit is on the CP1 board and includes its own power supply circuit. The signals from the ASIC consist of 8-bit digital signals, serial control signals and synchronization control signals, and are input to the EVF driver IC. In the driver IC, the 8-bit digital signals are converted to RGB signals. The serial control signals are used to control factors such as the image quality.

3-2-5. Lens Drive Block

Focus drive

The 16-bit serial data signals (LENS_SD, LENS_CK and LENS_EN) output from the ASIC (IC101) are driven (FOCUS A+, FOCUS A-, FOCUS B+ and FOCUS B-) by the motor driver IC (IC951) and in turn drive the stepping motor used for focusing in microstep increments. The focus reference position is detected by a photo-interrupter (F_SENSE) in the lens block.

Zoom drive

The 16-bit serial data signals (LENS_SD, LENS_CK and LENS_EN) output from the ASIC (IC101) are driven (ZOOM A+, ZOOM A-, ZOOM B+ and ZOOM B-) by the motor driver IC (IC951) and in turn drive the stepping motor used for zooming in microstep increments. The zoom reference position is detected by a photo-interrupter (Z_SENSE) in the lens block.

ND filter

The ND filter drive signals (NDON and NDOFF) output from the ASIC (IC101) are driven using a fixed current (ND+, ND-) and are inserted into or withdrawn from the ND filter light path by the motor driver (IC951).

Aperture drive

A damped, coil-less galvanometer drive is used for the aperture.

The hole sensor output in the lens is amplified by the hold-amplifier circuit in the lens drive IC (IC971) and the difference between that output and the target aperture value as determined from the exposure amount output from the ASIC (IC101) is input to the servo-amp circuit (in IC971) and is automatically controlled so that it matches the target aperture size.

The lens aperture control signal is output by IC971 and input to IN6B in IC951.

IC951 operates as the driver for the lens drive.

Shutter drive

The shutter is driven by applying reverse voltage to the aperture drive coil. To drive the shutter, the OC_EN and OC_CONT signals are both maintained at the High level to input the Low level to IN6B in IC951. At the same time, the SHUTTER+ signal output from the ASIC (IC101) is set to the High level (input to IN6A in IC951) to operate the shutter.

IC951 operates as the driver for the lens drive.

3. Schematics

3-3. Description of PWA Power Circuit Operation

3-3-1. Overview

The power circuit is primarily made up of the following blocks:

- Switching controller (IC501)
- 6 V power output (L5006 and Q5003)
- Digital 3.25 V power output (L5010)
- Digital 1.2 V power output (L5011)
- Analog power output (L5008 and Q5002)
- LCD backlight power output (L5007)
- EVF backlight power output (L5001 and Q5001)
- Motor 5.3 V power output (IC532, L5302 and Q5302)

Switching controller (IC501)

The basic circuits required for controlling the PWM-type switching regulator power supply consist of 7 built-in channels.

The channels are CH1 (6 V), CH2 (digital 3.2 V), CH3 (digital 1.2 V), CH4 (analog), CH5 (EVF backlight) and CH7 (LCD backlight).

In response to feedback for the power output for the 6 V system (CH1), VDD3 (CH2), VDD1.2 (CH3), analog systems (CH4), EVF backlight (CH5) and LCD backlight (CH7), the PWM duty is varied so that the respective voltages are at the set values.

For the backlight power supply (CH5 and CH7), the end-to-end voltage for the output resistance is used as feedback to regulate the constant current so that the specified current is maintained.

Short-circuit protection circuit

If output is short-circuited for an interval determined by the capacitor connected to IC501 (pin 32), all output is turned off. To recover operation, resend the control signal (P ON).

Analog power output

+13 V (A) and -7.5 V (A) are output.

The +13 V (A) output is fed back to the switching controller (IC501 pin 48) to regulate the PWM.

Digital 3.25 V power output

VDD3 is output.

VDD3 is fed back to the switching controller (IC501 pin 23) to regulate the PWM.

Digital 1.2 V power output

VDD1.2 is output.

VDD1.2 is fed back to the switching controller (IC501 pin 23) to regulate the PWM.

EVF backlight power output

A constant current (5.1 mA) flows to the LCD backlight LED.

The end-to-end voltage for the resistance connected in series with the LED is fed back to the switching controller (IC501 pin 45) to regulate the PWM.

LCD backlight power output

A constant current (27 mA) flows to the LCD backlight LED.

(A built-in timer and luminance sensor control the LCD PWM and select the current value.)

The end-to-end voltage for the resistance connected in series with the LED is fed back to the switching controller (IC501 pin 37) to regulate the PWM.

Motor 5.3 V power output

BOOST 5.3 V is output.

The BOOST 5.3 V output is fed back to IC532 pin 3 to regulate the PWM.

3-4. Description of ST1 flash circuit operation

3-4-1. Charging circuit

The UNREG power is supplied to the charging circuit, and when the CHG signal from the microprocessor is Hi (3.3 V), the charging circuit starts operating and charges the main electrolytic capacitor with a direct current high voltage supply. When the CHG signal is Lo (0 V), the charging circuit does not operate.

Power switch

When the CHG signal is Hi, Q5407 switches on and charging operation begins.

Power supply filter

C5401 acts as a power supply filter to smooth out any current ripples caused by oscillating transformer switching.

Oscillator circuit

This is a circuit that generates an AC voltage (pulses) that is used to step up the low-voltage DC UNREG power supply. This circuit generates a drive pulse with a frequency between 50 and 100 KHz. Because the oscillation is self-excited, the oscillation frequency varies according to the drive conditions.

Oscillating transformer

The oscillating transformer converts the low-voltage AC power supply generated by the oscillation control circuit to a high-voltage AC supply.

Rectifier circuit

This circuit rectifies the high-voltage AC power supply generated by the second stage of T5401 so that it becomes a high-voltage DC supply and then stores it as charge in the main electrolytic capacitor (C5412).

Voltage monitor circuit

This circuit is used to maintain the voltage stored in C5412 at a constant level. The charging voltage is divided by R5405 and R5406 to reduce it to a low voltage and is then output as the monitor voltage (VMONIT). When the VMONIT voltage reaches the stipulated value, the CHG signal is set to Lo and charging stops.

3-4-2. Flash Circuit

When the FLCLT signal is input from the ASIC extended port, the flash fires.

Flash control circuit

When the FLCLT signal input to the flash control circuit is Hi, Q5409 is set to ON and flash firing commences. When the FLCLT signal is Lo, flash firing stops.

Trigger circuit

At the same time that Q5409 is set to ON by the FLCLT signal and preparations for firing the flash are carried out, a high-voltage pulse of several kilovolts is generated by the trigger coil and applied to the flash unit.

Flash element

When a high-voltage pulse is applied to the flash unit by the trigger circuit, current flows to the flash element and the flash fires.

*** Take care to avoid electric shock.**

3. Schematics

3-5. Description of SYA circuit operation

3-5-1. Configuration and Functions

Refer to the block diagram for the overall configuration of the SYA block. The SYA block consists primarily of an 8-bit microprocessor (IC301). The functions of the 8-bit microprocessor include: 1. Control key input, 2. Clock management and backup; 3. Power ON/OFF; and 4. Flash charging control.

Pin	Signal Name	I/O	Description
1	BAT OFF	I	Battery OFF detection signal
2	WIDE	I	WIDE key input
3	VF. LED (G)	O	VF LED (green) ON/OFF control signal
4	TELE	I	TELE key input
5	SW 3.2 ON	O	SW 3.2 V power ON/OFF control signal
6	RESET	I	Reset input
7	XCOUT	O	Clock oscillation terminal
8	XCIN	I	Clock oscillation terminal (32.768kHz)
9	IC (FLMD0)	-	Power supply for program writing
10	XOUT	O	Main clock oscillation terminal
11	XIN	I	Main clock oscillation terminal (4MHz)
12	REGC	O	Stable-capacity connection terminal for regulator output for internal operations
13	VSS	-	GND
14	VSS	-	GND
15	VDD	-	VDD
16	VDD	-	VDD
17	MAIN RESET	O	System reset (MRST)
18	NOT USED	-	-
19	VF. LED (R)	O	VF LED (red) ON/OFF control signal
20	NOT USED	-	-
21	SHUTTER 2nd	I	Shutter 2nd detection
22	COMREQ	I	Command request input
23	SHUTTER 1st	I	Shutter 1st detection
24	NOT USED	-	-
25	PLAY	I	PLAY key input
26	BACKUP_CTL	O	Backup battery charging control
27	SCAN IN2	I	Key matrix input
28	SCAN IN1	I	Key matrix input
29	SCAN IN0	I	Key matrix input
30	P ON	O	D/D converter (digital) ON/OFF control signal
31	NAND RESET	O	NAND reset
32	USB CONNECT	I	USB connection detection
33	DC IN	I	DC JACK insertion detection
34	SCAN OUT0	O	Key matrix output
35	SCAN OUT1	O	Key matrix output
36	SCAN OUT2	O	Key matrix output
37	SCAN OUT3	O	Key matrix output
38	SREQ	I	Serial communication request signal
39	NOT USED	-	-
40	LCD PWM	O	LCD backlight brightness current control
41	POP UP	I	Flash cover detection
42	AV JACK	I	AV JACK presence detection
43	BL ON	O	LCD backlight power ON/OFF control signal
44	PRG SO/SCAN IN3	O/I	Microprocessor write serial input/key matrix input
45	PRG SI/SCAN IN4	I/I	Microprocessor write serial output/key matrix input
46	PRG SCK/SCAN IN5	O/I	Microprocessor write serial clock/key matrix input
47	AVREF	-	Analog reference voltage input terminal
48	AVSS	-	GND

<Table 3-2. 8-bit microprocessor port specifications>

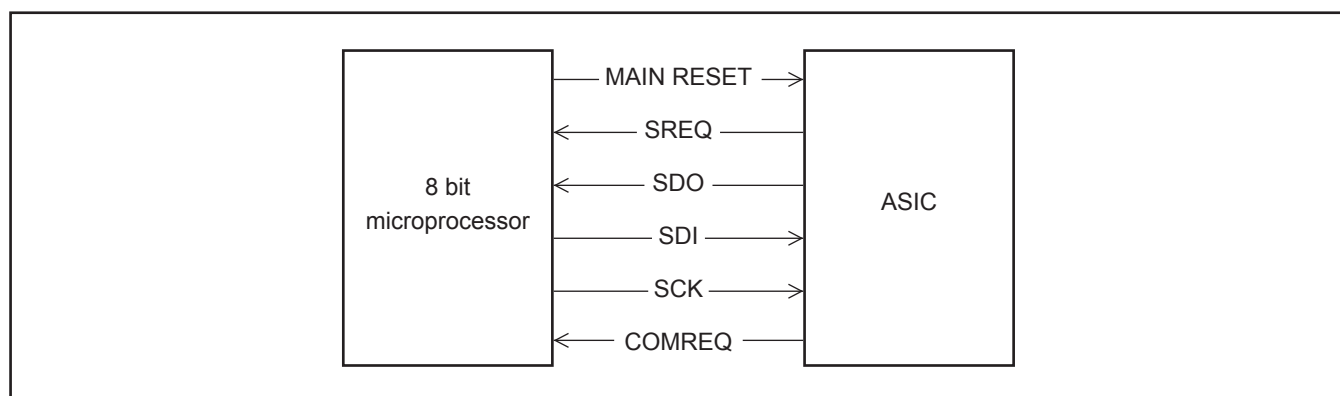
Pin	Signal Name	I/O	Description
49	BATTERY	I	Battery voltage detection
50	VMONIT	I	Main capacitor charging voltage detection
51	TEMP	I	Camera temperature detection
52	NOT USED	-	-
53	NOT USED	-	-
54	SCARD	I	Expansion memory card installation detection signal (L = detected)
55	CARD SW	I	CARD cover switch detection (L = detected)
56	xD CARD	I	Expansion memory card installation detection signal (L = detected)
57	NOT USED	-	-
58	SCK	O	Serial clock output
59	SI	I	Serial data input
60	SO	O	Serial data output
61	CHG ON	O	Flash charging control circuit
62	FLMD0_SY	O	8-bit microprocessor self-programming port
63	PW_ON	I	PW_ON key input
64	LENS_4M	O	LENS clock (4 MHz)

<Table 3-2. 8-bit microprocessor port specifications>

3-5-2. Internal Communications Paths

The SYA block detects input from the control keys and the status of the camera's circuits and controls the overall camera. Signals from the various detectors are read by the 8-bit microprocessor as input data and then output to the camera circuit (ASIC) as operation mode settings information.

Figure 3-3 shows the 8-bit microprocessor and ASIC connections.



<Fig 3-3. Internal communication path connections>

3-5-3. Key Operations

Refer to the Owner's Manual for information on how to use the keys.

SCAN IN \ SCAN OUT	0	1	2	3	4	5
0	AUTO	MOVIE	M	S	P	A
1	Picture Stabilization	Natural Photo	High-sensitivity Dual-shot	SP1	SP2	-
2	EVF/LCD	DISP/BACK	Exposure compensation	WER	F_MODE	OK/MENU
3	UP	LEFT	DOWN	RIGHT	PW_TEST	TEST

<Table 3-3. Key operations>

3. Schematics

3-5-4. Power Supply Control

The 8-bit microprocessor controls the power supply for the entire system. This section discusses the starting and stopping of the power supply.

When batteries are loaded, 3.2-volt power regulated by IC302 is supplied to the 8-bit microprocessor (IC301).

Even when the Power switch is set to OFF, the microprocessor runs the clock and scans the keys in preparation for the next startup. When the power is OFF, the microprocessor stops the internal main clock (4 MHz) and runs on the sub-clock (32.768 kHz).

When the power supply batteries are removed, the microprocessor stops the 4 MHz internal main clock and runs the clock only using the 320768 kHz sub-clock used for the time. The microprocessor charges the backup battery for 10 hours after the battery is installed.

When you set the Power switch to ON, the microprocessor initiates startup processing. First, it sets PON (pin 30) to High and activates the power circuit.

Roughly 70 ms after setting PON to High, it sets the external port for the ASIC. This external port setting is then used to set the ASIC internal operating frequency and carry out oscillation control. It then begins communication with the ASIC and checks that the system is ready to run.

When the live image is displayed, it sets PAON (ASIC) to High and activates the CCD power supply.

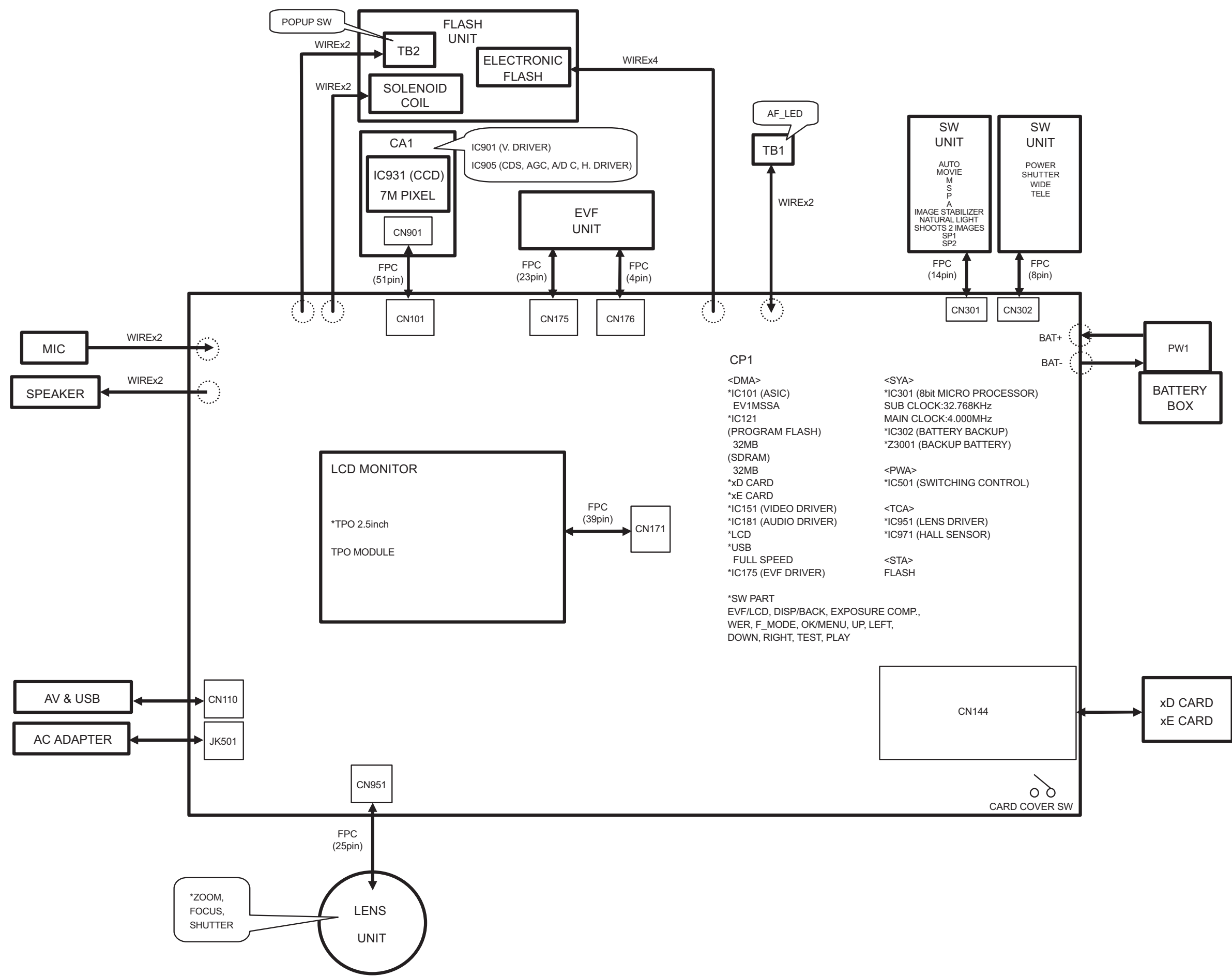
During playback, it sets PAON to Low and turns the CCD power supply off. When the LCD panel is lit, it sets BLON (pin 43) to High and turns on the backlight.

When the power is turned off, the microprocessor sets both PON and BLON Low and stops the power supply to the system.

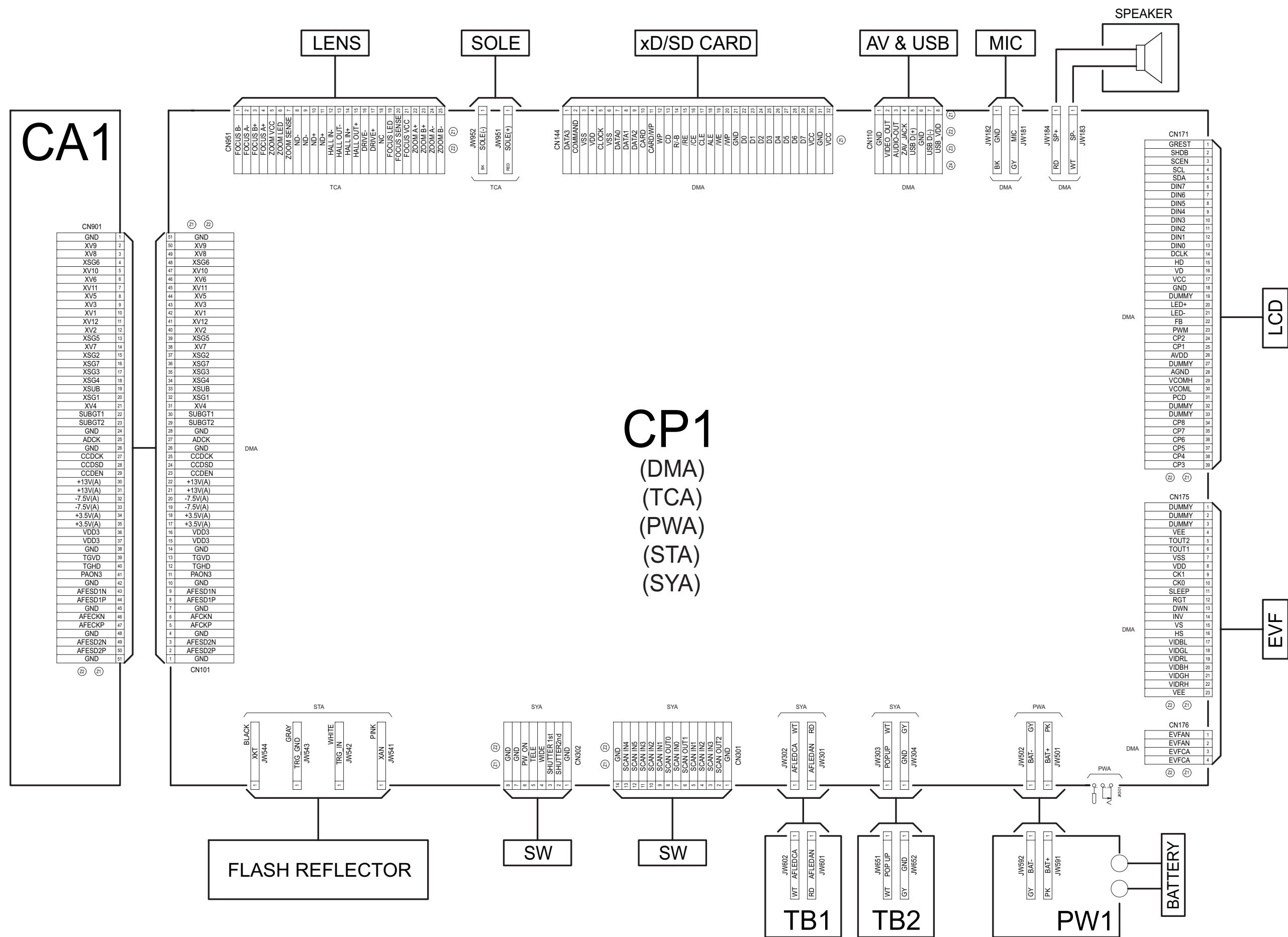
The microprocessor stops the main clock oscillation and switches to clock oscillation operation mode.

	ASIC, memory	CCD	8bit CPU	LCD MONITOR
Power supply voltage	1.2V, 1.8V, 3.2V	13.0V, -7.5V, 3.5V	3.2V	3.25V
At PW_OFF	OFF	OFF	32.768KHz	OFF
When the live image is displayed	ON	ON	4MHz	ON
In playback mode	ON	OFF	4MHz	ON

<Table 3-4. Power supply control>

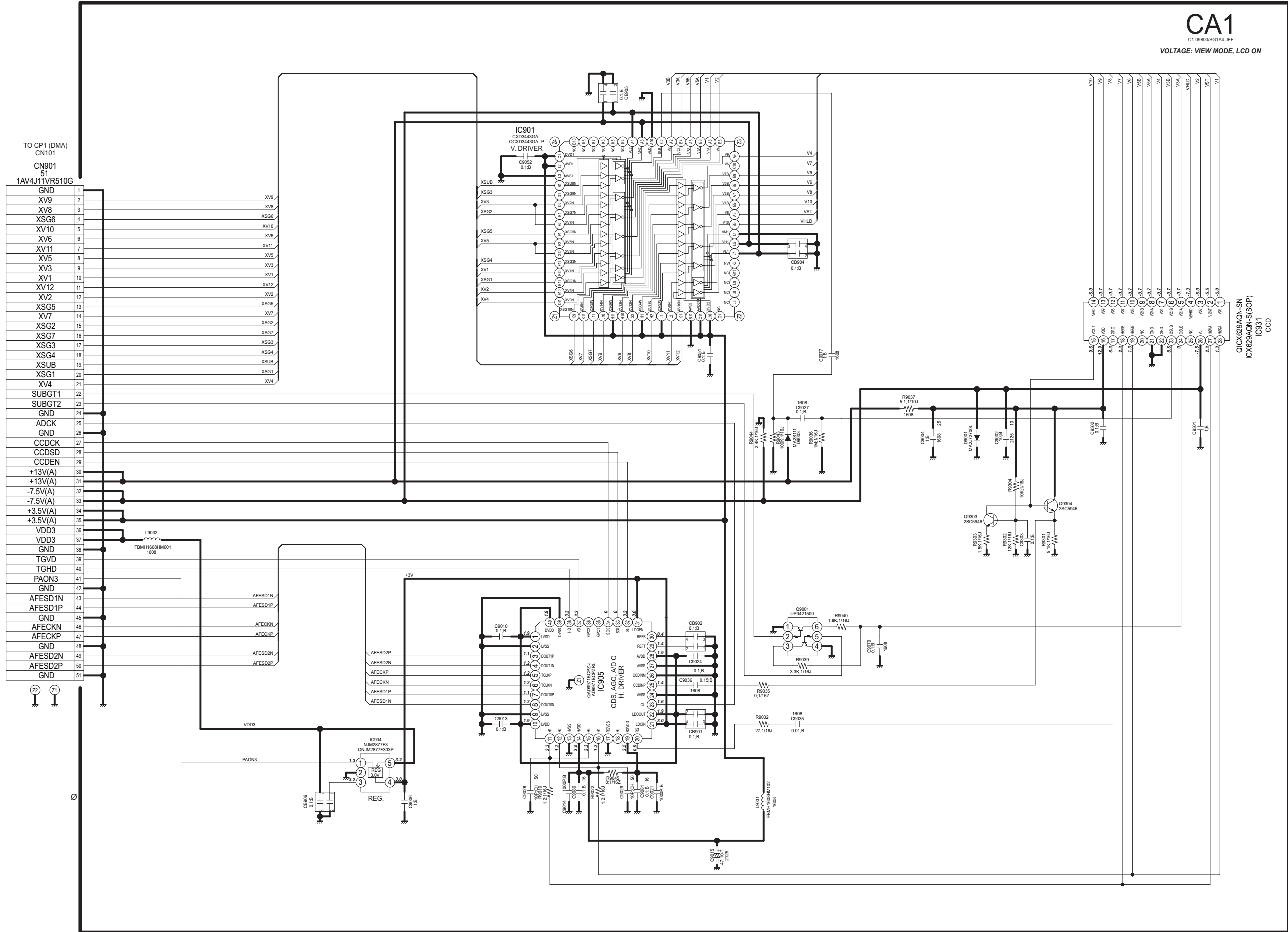


3-7. Overall connection Diagram



3-8. Circuit Diagrams

3-8-1. CA1 BLOCK

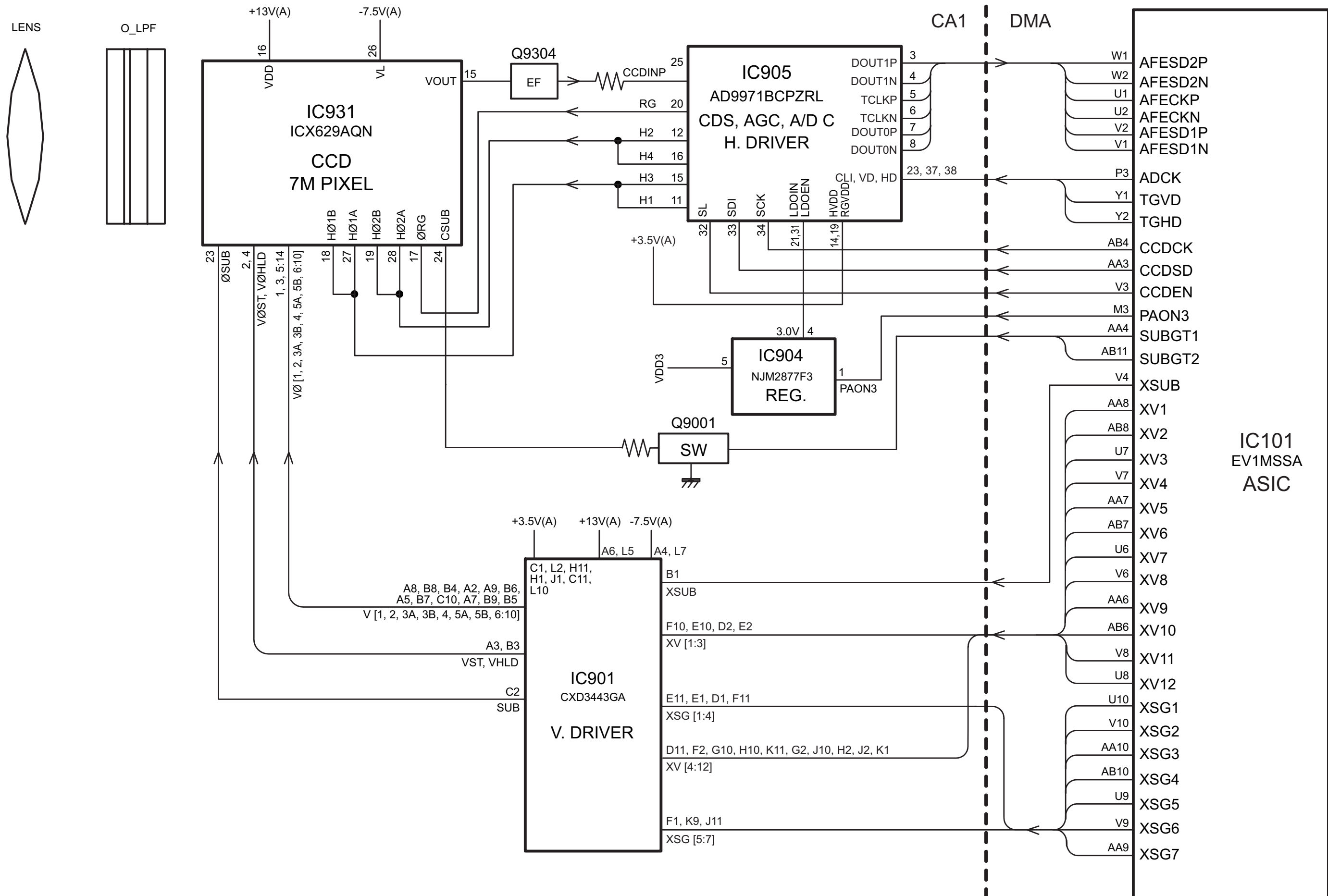


3. Schematics

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3-8-2. CCD BLOCK



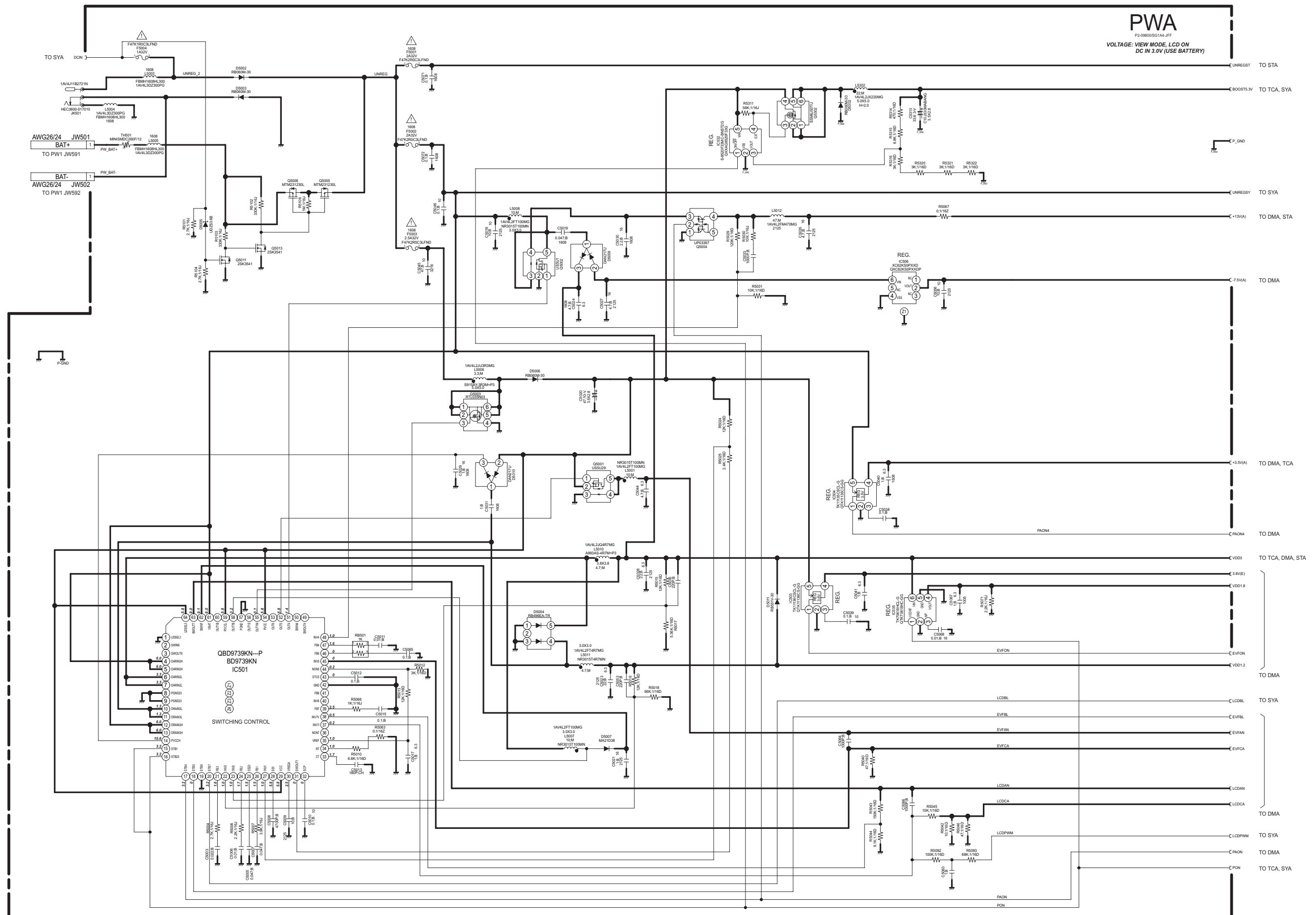


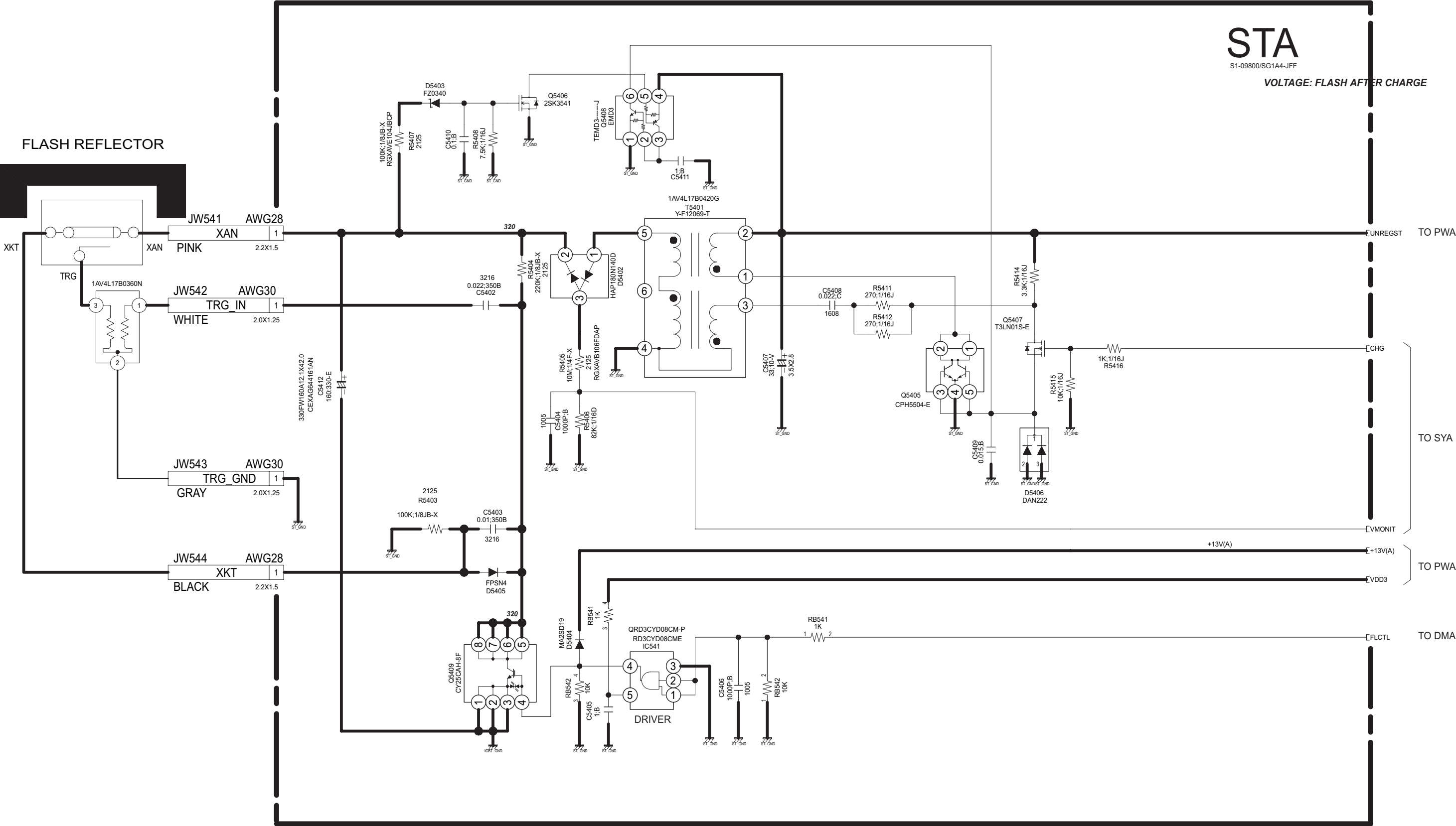
3. Schematics

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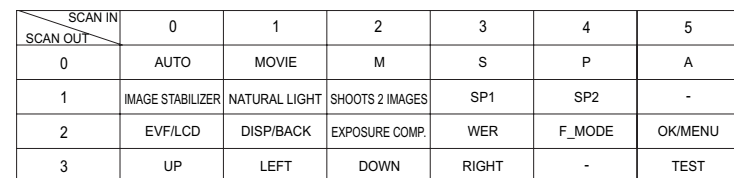
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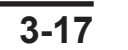
3-8-4. CP1 BLOCK (PWA)



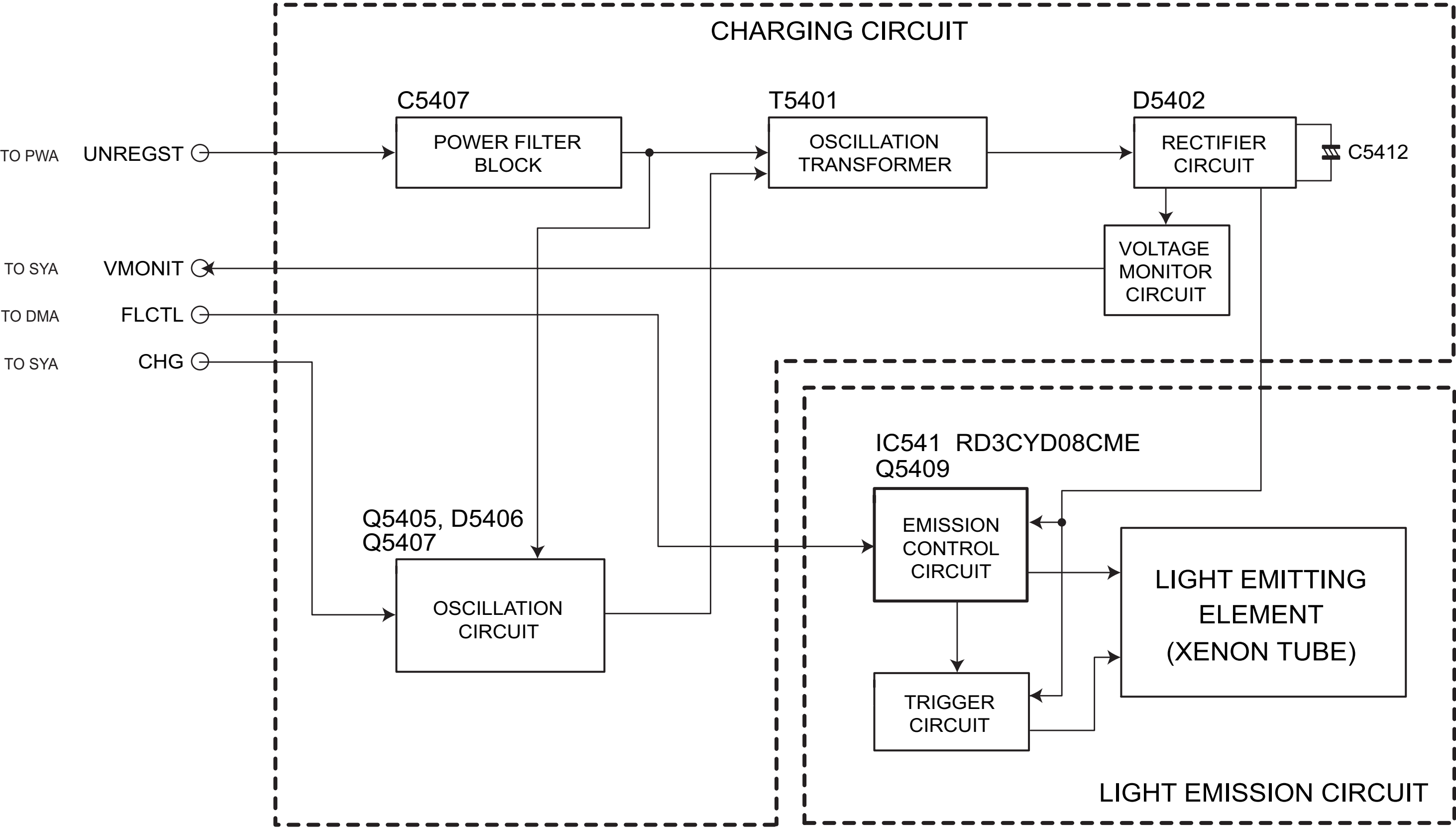


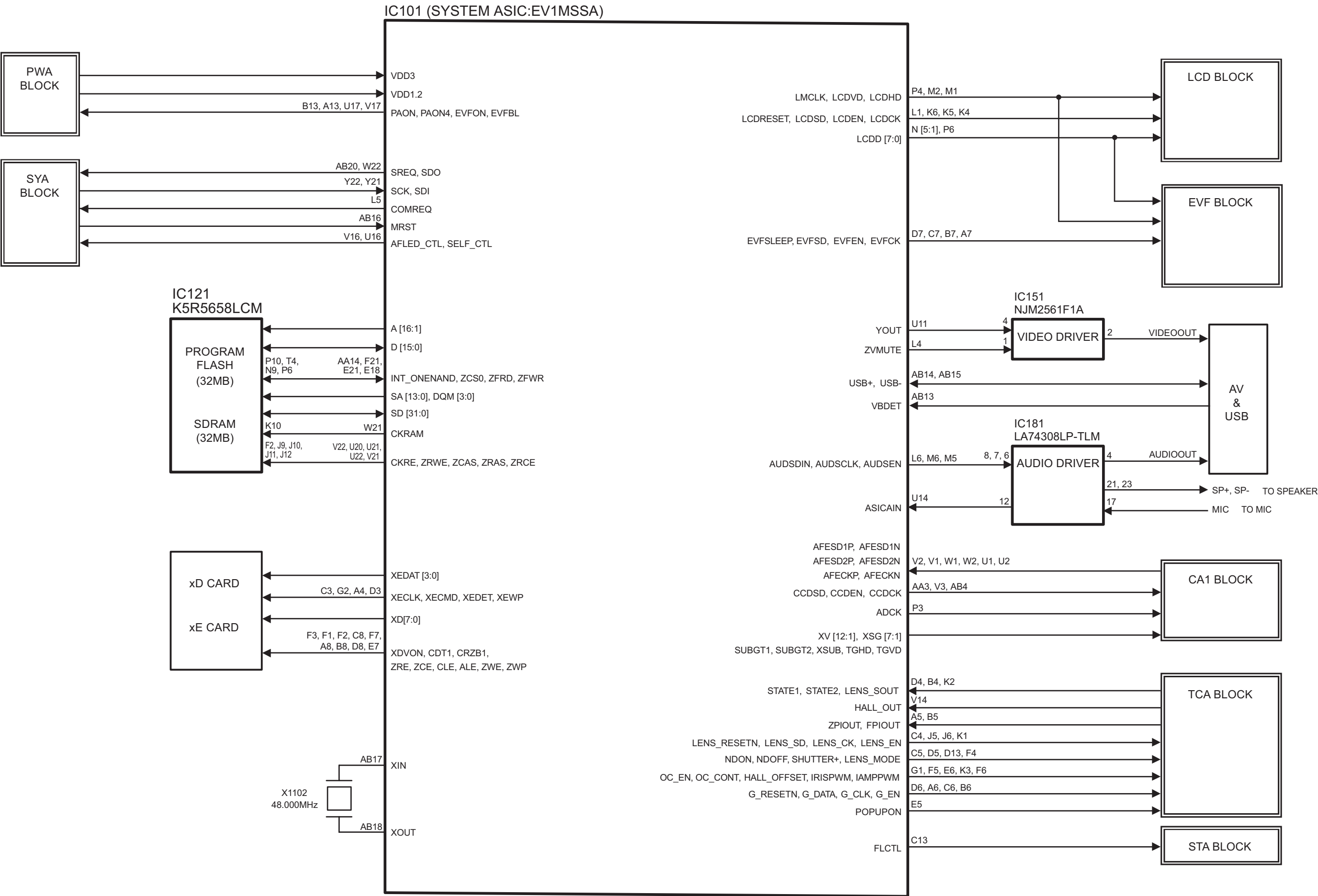
3-8-6. CP1 BLOCK (SYA)





3-8-8. FLASH BLOCK



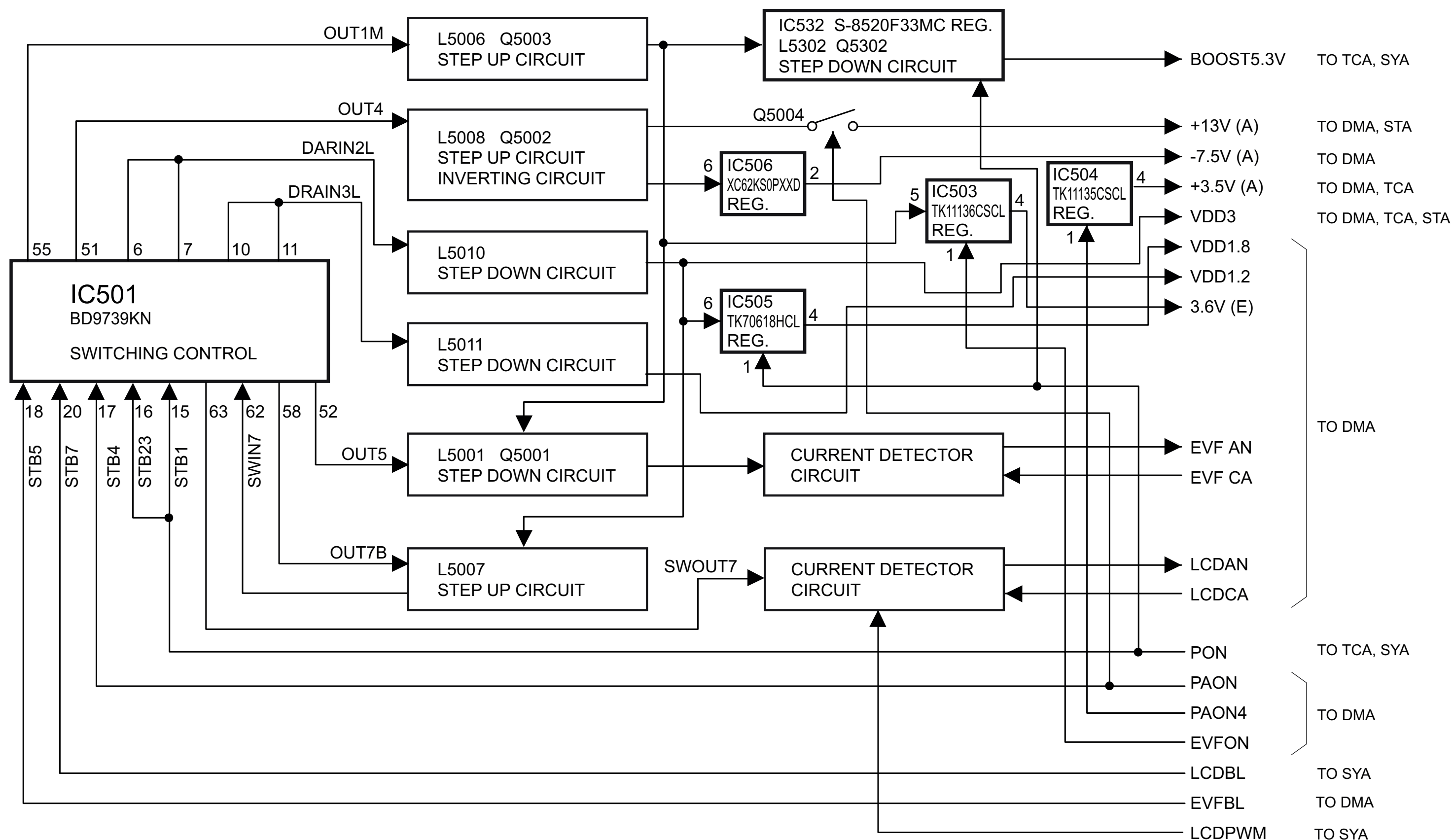


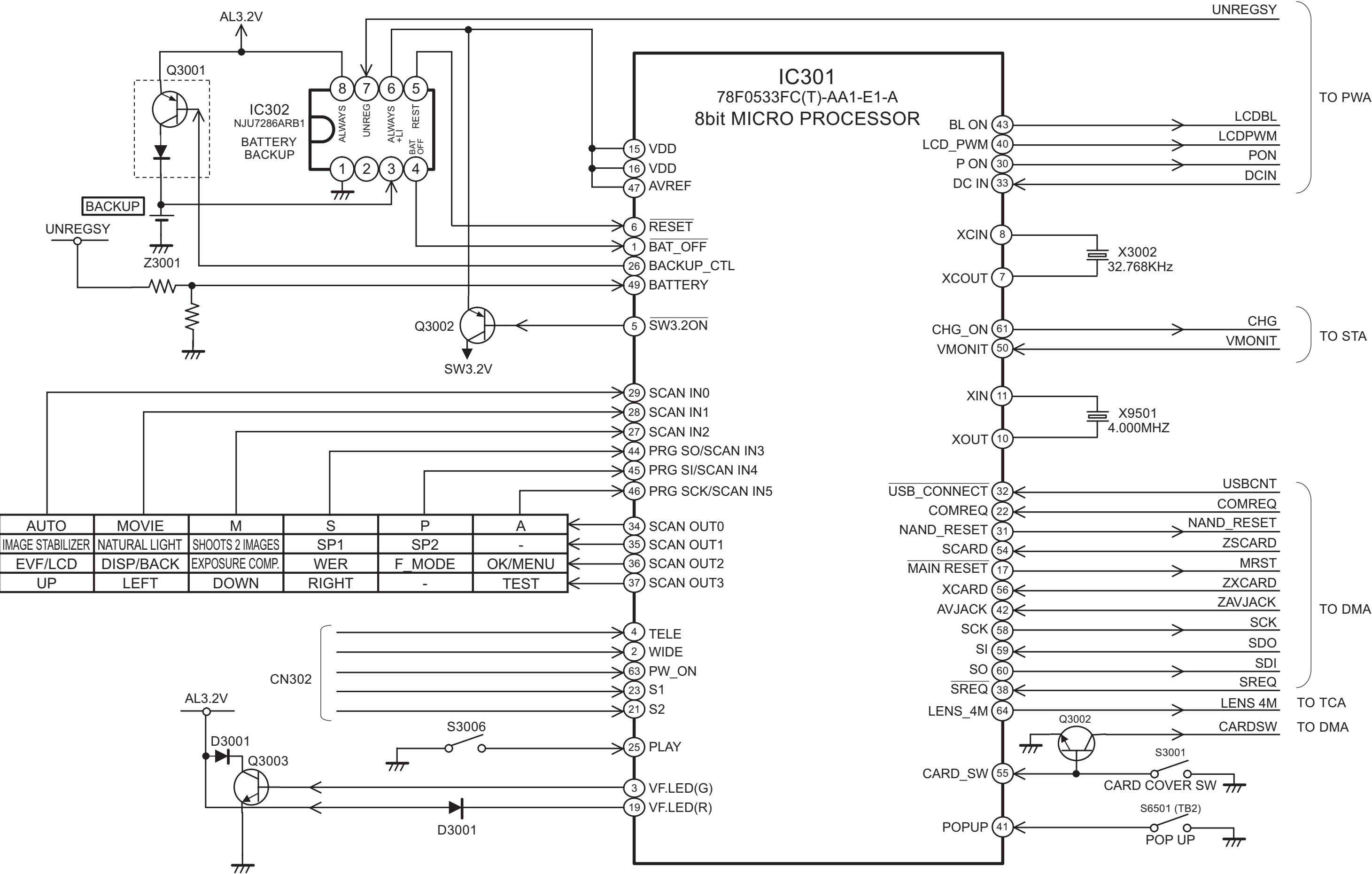
3. Schematics

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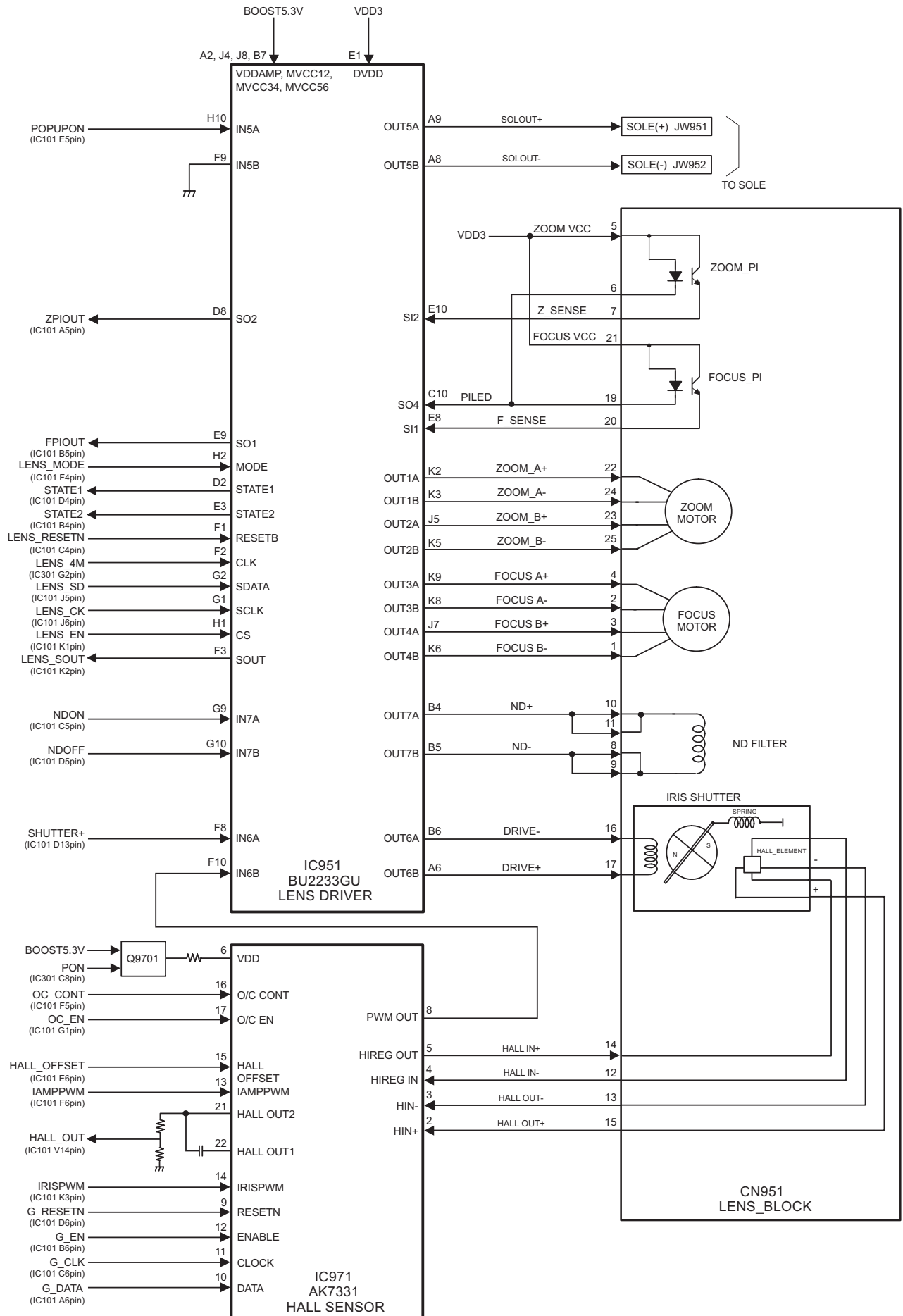
3-8-10. POWER BLOCK





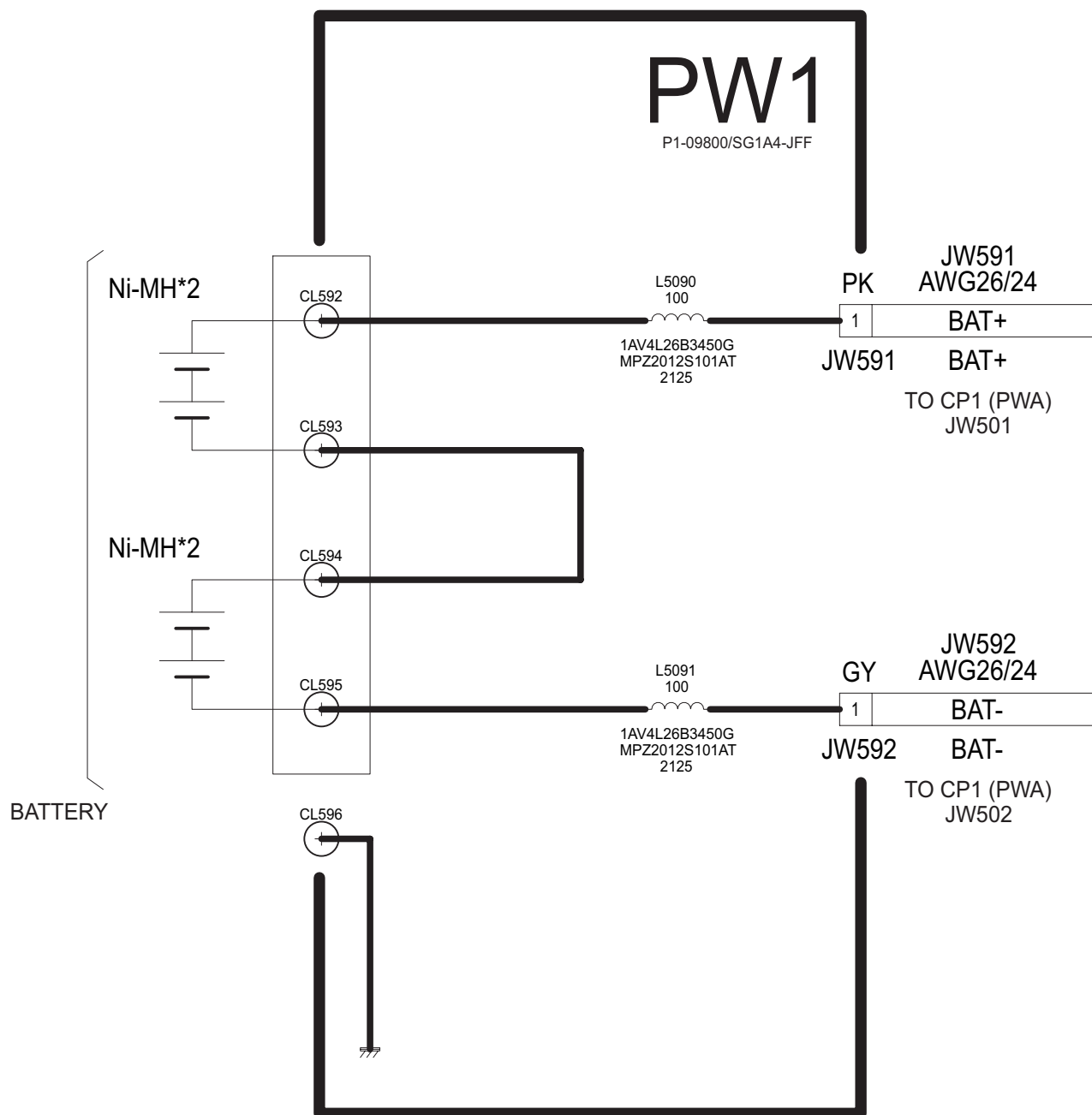
MEMO

3-8-12. LENS BLOCK

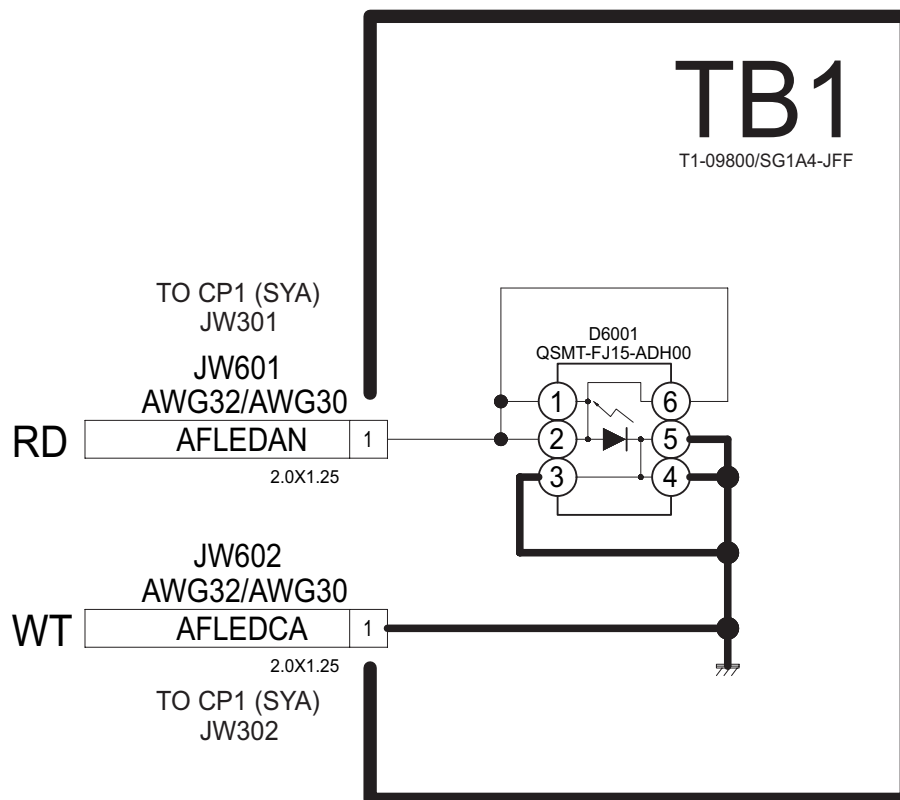


3. Schematics

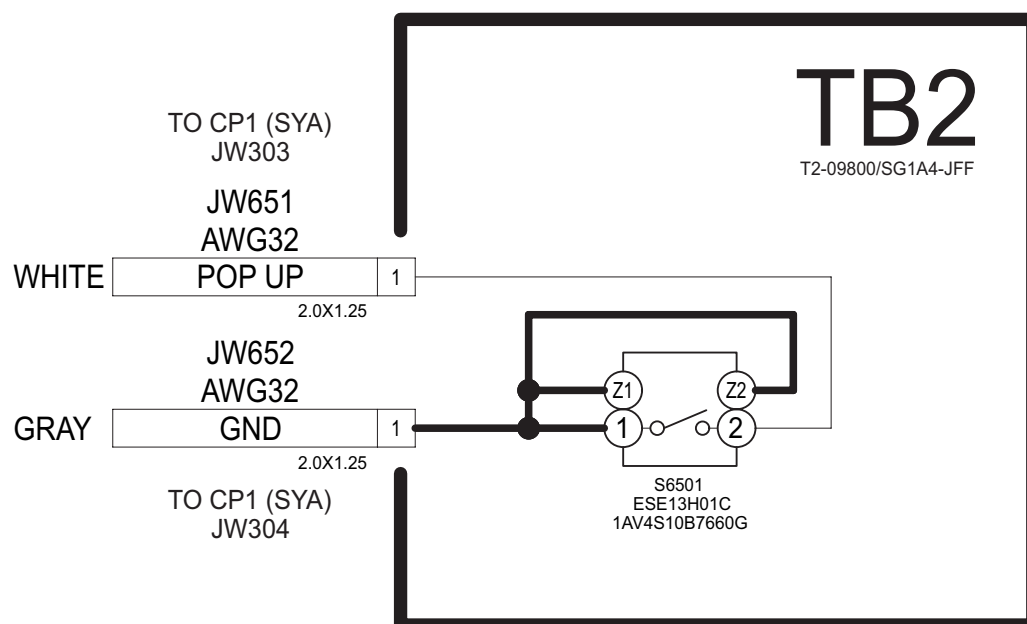
3-8-13. PW1 BLOCK



3-8-14. TB1 BLOCK



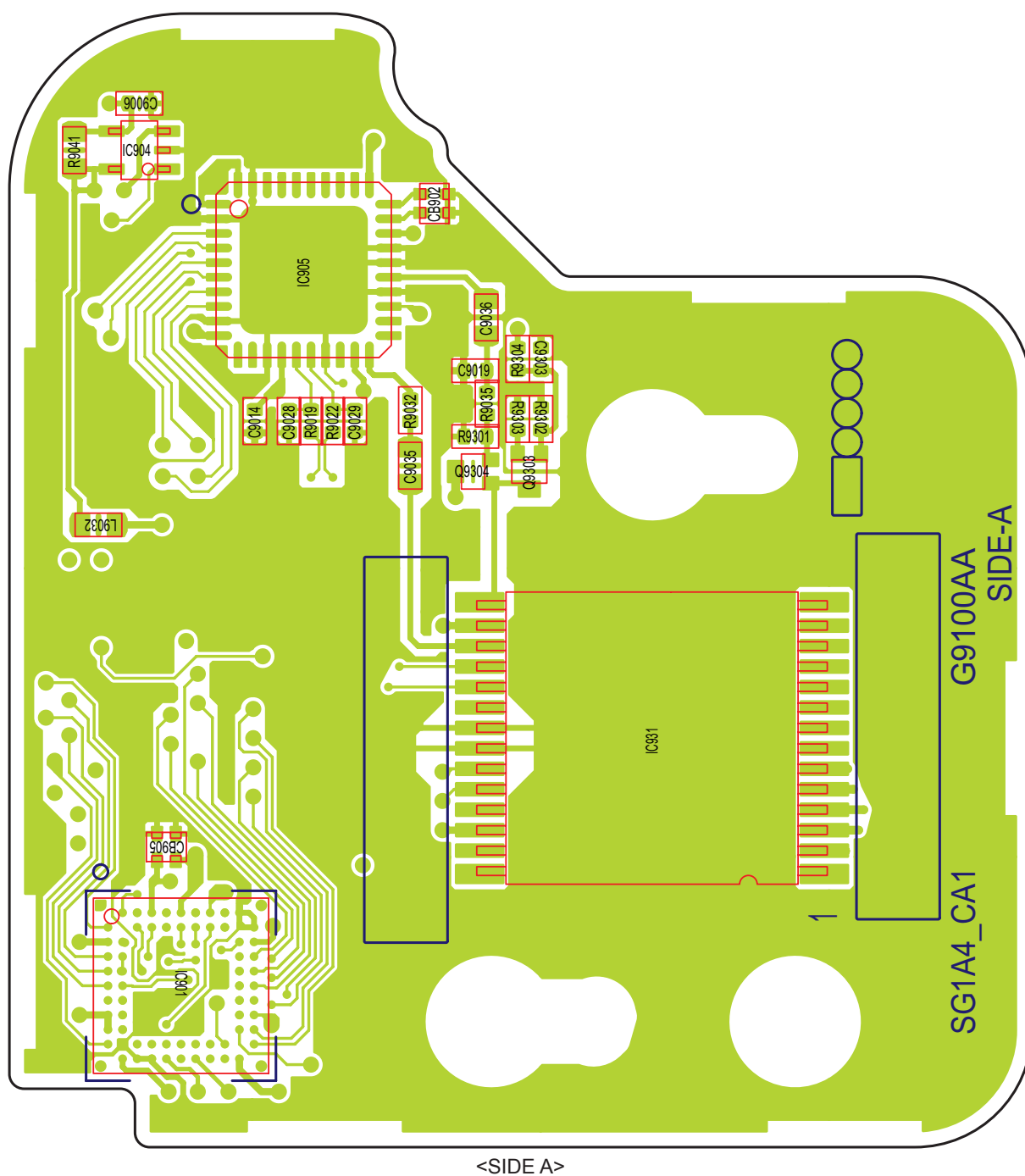
3-8-15. TB1 BLOCK



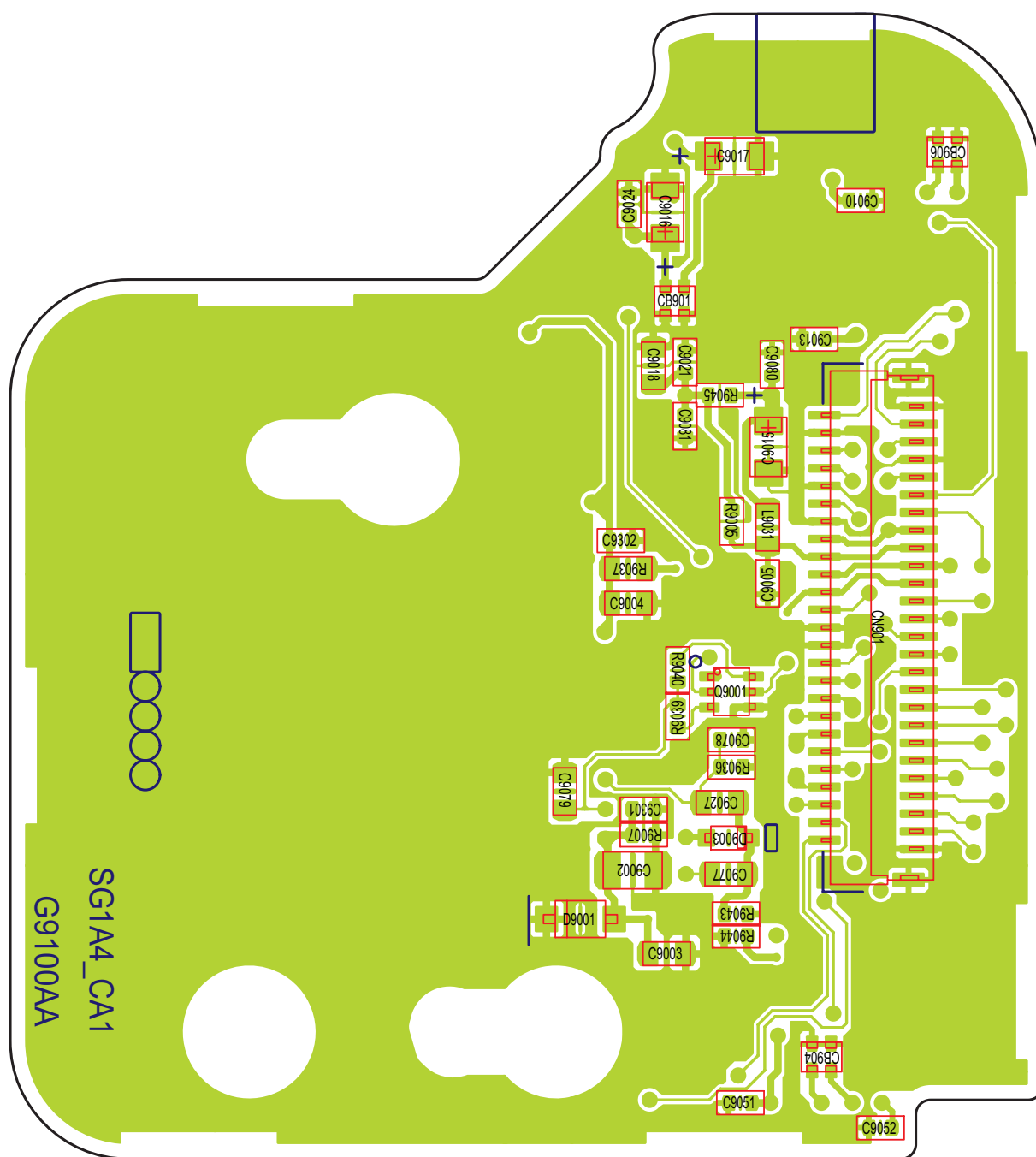
3. Schematics

3-9. Mounted Parts Diagrams

3-9-1. CA1 PWB ASSY



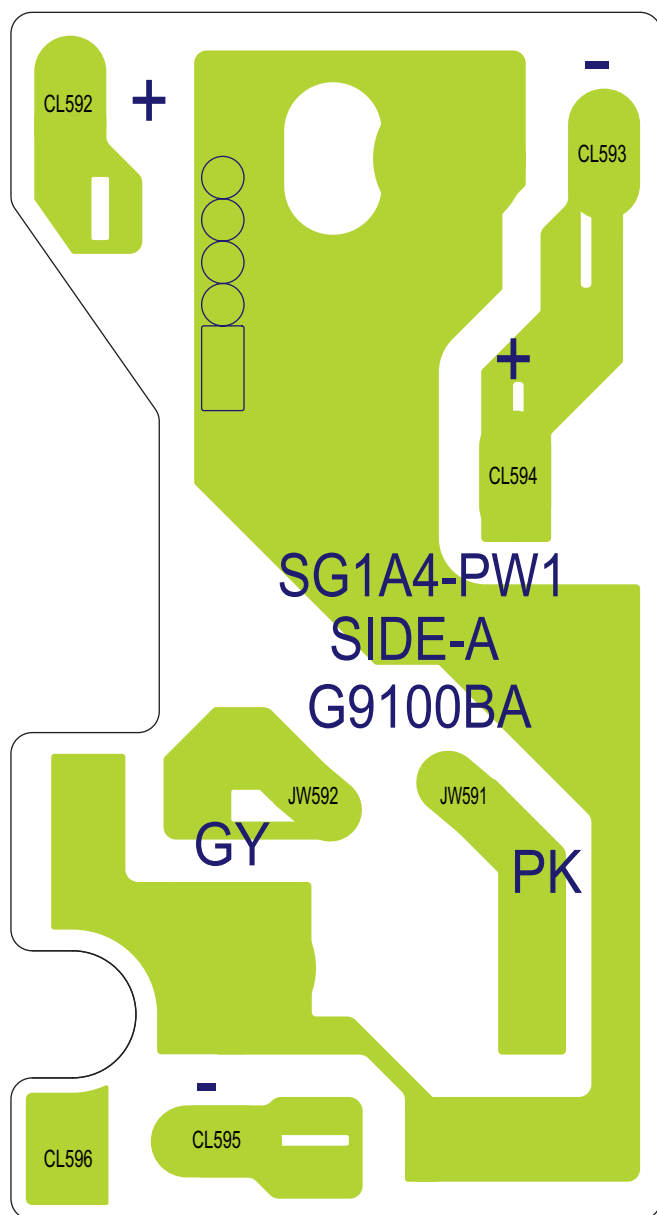
3. Schematics



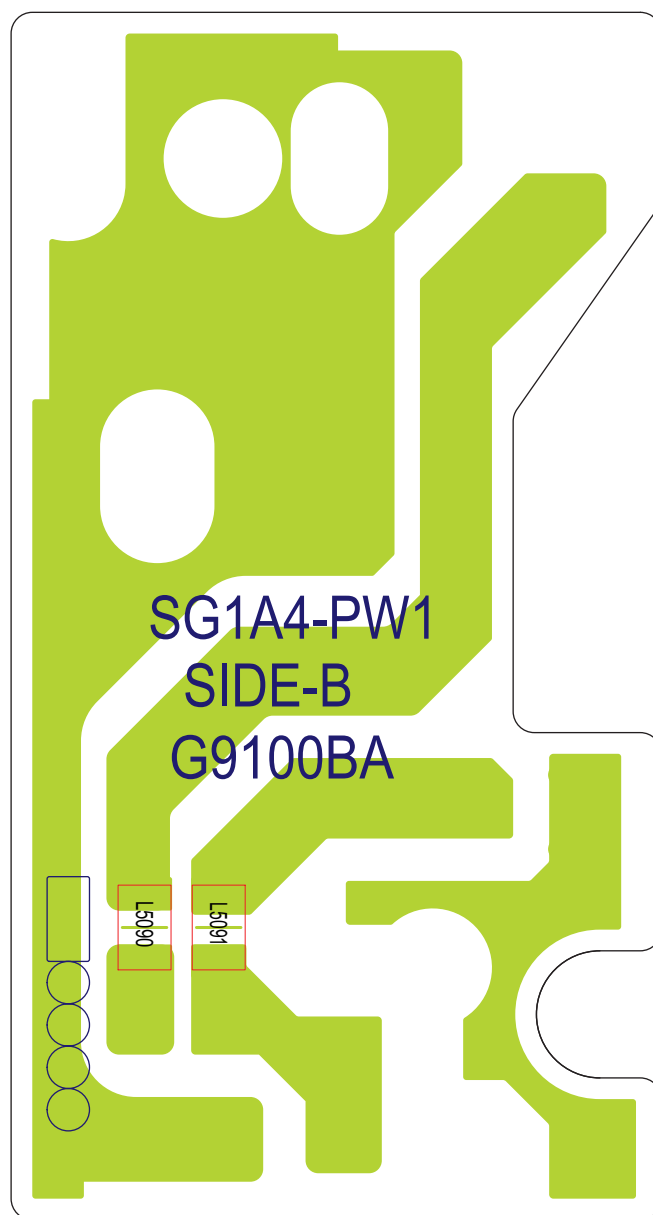
<SIDE B>

3. Schematics

3-9-2. PW1 PWB ASSY



<SIDE A>



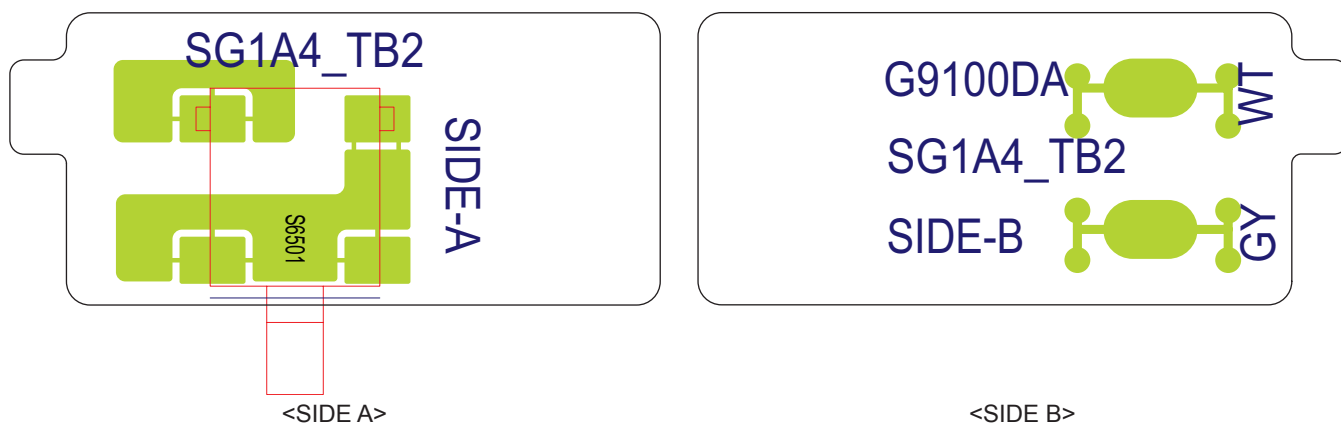
<SIDE B>

3. Schematics

3-9-3. TB1 PWB ASSY

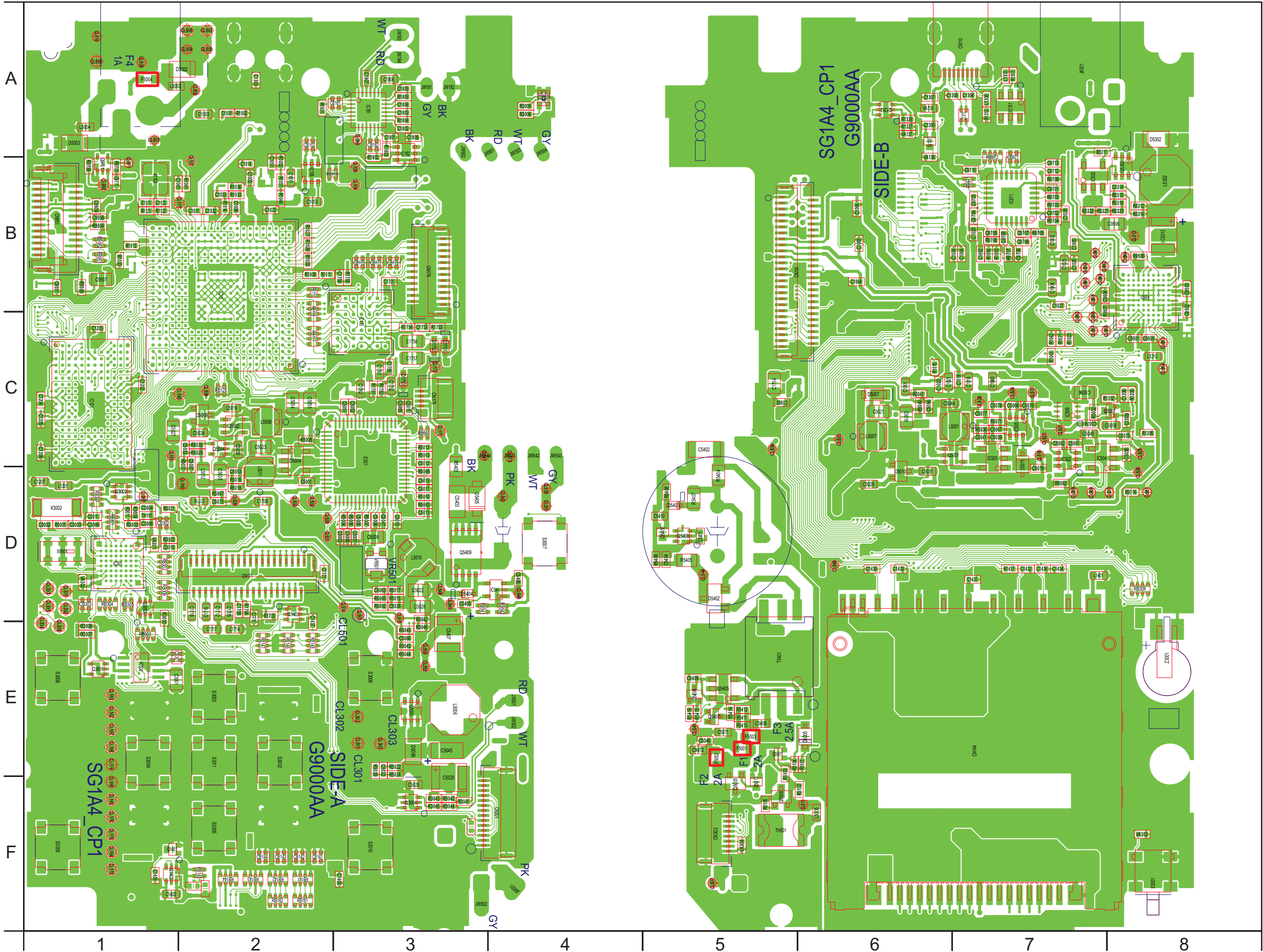


3-9-4. TB2 PWB ASSY



3. Schematics

MEMO



MEMO

4. Adjustments

4-1. Important point before adjustment

4-1-1. The handling of image files in internal memory

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

<Procedure for handling images>

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

1. When the replacement camera is provided.
2. When the MAIN PWB ASSY is replaced.
 --->When "MAIN PWB ASSY" is replaced, it is necessary to execute "Flash memory reset".
 (When the "Flash memory reset" was executed, involve formatting the internal memory.)

*Note

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

<Image file transfer procedure>

- I. Procedure when images can be downloaded to a PC
 * If an xD-Picture card is inserted, data in the internal memory cannot be backed up.
 - (1) Back up the images stored in internal memory.
 - Create a folder (named and located so as to avoid any confusion with the user's images).
 - Without inserting an xD-Picture card, connect the camera to a PC and copy the image files on the removable disk recognized by the PC to the folder created in the previous step.
 - Check that the images can be displayed correctly on the PC.
 - (2) Return the backed up image files from the PC to the camera.
 - Turn the camera on without an xD-Picture card inserted and format the camera's internal memory.
 - Without inserting an xD-Picture card, connect the camera to the PC and copy the image files from the folder containing the images backed up in the previous step onto the removable disk recognized by the PC.
 - Check that the images can be displayed correctly on the camera.
 - Delete the backup files created on the PC in step (1) (the user's image files).
- II. Procedure when images cannot be downloaded to a PC
 - (1) Back up the images stored in internal memory.
 - Insert an xD-Picture card to be used for image backup into the camera and format the card.
 - From the SETUP menu, reset the frame numbers.
 - Select image copying from the playback menu, select "Camera -> Card" for all the frames and then copy the images.
 - Check that the images can be displayed correctly on the camera.
 - (2) Return the backed up image files from the xD-Picture card to the camera.
 - Before inserting the card, format the camera's internal memory.
 - Insert the xD-Picture card containing the backed up copies of the user's image files.
 - From the SETUP menu, reset the frame numbers.
 - Select image copying from the playback menu, select "Card -> Camera" for all the frames and then copy the images.
 - Remove the xD-Picture card and check that the images can be displayed correctly on the camera.
 - From the SETUP menu, set the frame numbers to the default sequence.
 - If the image file numbers have changed, always notify the user in writing that the image file numbers have changed.
- III. Procedure for PTP-connected cameras and images that cannot be downloaded to a PC
 (Images can only be backed up to a PC. * Normally, back up images using procedure II.)
 - (1) Back up the images stored in the camera's built-in memory.
 - Create an FAIS receive number folder (to ensure error-free user image management).
 - Without inserting an xD-Picture card, connect the camera to the PC and check the image files in the camera on the PC. Then copy those files to the folder described on the previous page.
 - Check that the images can be viewed successfully on the PC.
 - (2) Return the backup image files from the PC to the camera.
 - With no xD-Picture card inserted, turn the camera on and format the built-in memory.
 - Using a card reader or similar device, check the xD-Picture card to be used for image file backup on your PC.
 - Copy the image files from the image file backup folder on the previous page into the "DCIM\100_FUJII" folder on the image file backup xD-Picture card.
 - Using a safe procedure, remove the image file backup xD-Picture card from your PC.
 - Load the image file backup xD-Picture card into the camera.
 - Select "Copy image" in the Playback menu, select all the frames in "Card -> Camera" and then copy the images.
 - Remove the xD-Picture card and check that the images can be viewed successfully.
 - Delete the backup files (user image files) created on the PC in step (1).

4. Adjustments

4-1-2. Adjustment when Replacing Major Parts

Adjust the item shown by ○ in the table below at the part replacement of LENS, COMPL PWB CA-1 (CCD PWB), COMPL PWB CP-1 (MAIN PWB). (Other part replacements need not be adjusted.)

Replacing parts		LENS	COMPL PWB CA-1 (CCD PWB)	COMPL PWB CP-1 (MAIN PWB)
Adjustment item				
1	MAIN PWB initialization			○*
2	LENS adjustment	○	○	○
3	AWB adjustment	○	○	○
4	CCD Defect correction		○	○
5	CCD BL defect correction		○	○
6	Firmware download	Do not use it until there is an instruction.		
7	End setting	(Do the end setting when you end the adjustment software when you set the camera to the Jig mode)		

* When the MAIN PWB ASSY is replaced, the camera will not operate normally unless the MAIN PWB is initialized.

4-2. Measuring instruments used

Measuring equipment	Remarks
Regulated power supply	For adjustment
Pattern box	PTB450F
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

Pats.No	Name	Comment	
ZJ00251-100	Siemens star chart	LENS adjustment	Common with the MX700
ZJ00007-100	Close_up lens (f=600mm)	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
645-086-2106	USB cable	General adjustment	This is bundled to the product ^{*1}
ZJ01065-100	FxS5700/S700 W PC Soft Ver.1.00	PC adjustment	Win98 / Me / 2000 / XP English OS ^{*2}
ZJ00611-100	X-Y stage for AF adjustment	AF adjustment	Common with the FinePix M603
ZJ00583-100	Screw Driver (D3LUFX88G (2X20))	General repair	Common with the FinePix M603
ZJ00653-100	LB140 filter holder kit for X-Y stage	General adjustment	Common with the FinePix F700
ZJ00553-100	AF solid chart	General adjustment	Common with the FinePix S2Pro
ZJ00581-100	Discharger	Discharge for FLASH UNIT	

*1: Differs from bundled cable of FinePix S5700/S700.

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

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:

900 ± 20cd/m² (without LB140 filter)

No chart, center of pattern box

Minolta brightness meter LS-110 or equivalent

* Calibration method

Contact with the brightness meter, adjust the pattern box brightness to 900 ± 20cd/m².

(2) Color temperature:aa

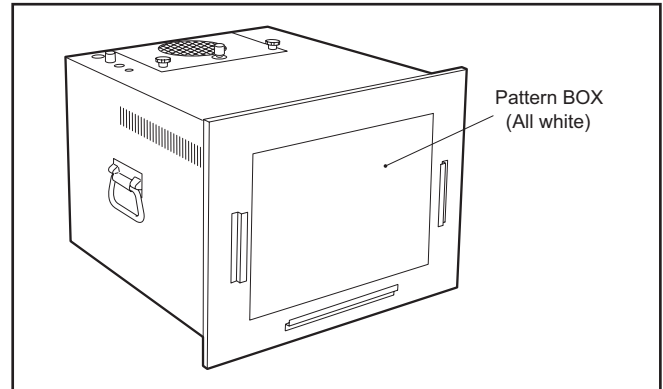
3100 ± 20 K (without LB140 filter)

No chart, center of pattern box

Minolta color meter IIIIF or equivalent

* Calibration method

Contact with the color temperature meter, adjust the pattern box color temperature to 3100 ± 20 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 soft decompression and preservation method

<Step1>

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

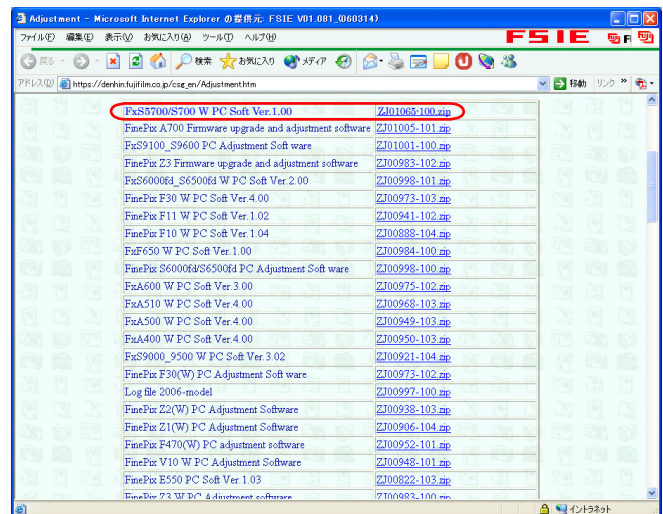
We have uploaded the "PC Adjustment Software (ZJ01065-100.zip)" for "FxS5700_700_W" on our website: (<http://fujifilm-di.intranets.com/>).

<Step2>

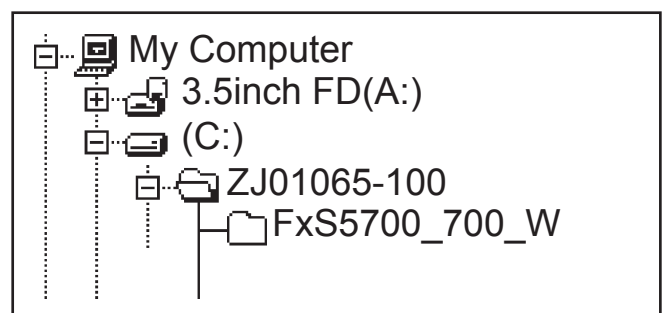
"ZJ01065-100" is a compression of "ZIP type" file.

The "FxS5700_700_W" folder can be done by extracting it by "Compression software".

Copy the "FxS5700_700_W" folder to the "C" drive on the Adjustment PC.



<Fig. 4-5-1> Screen



<Fig. 4-5-2>

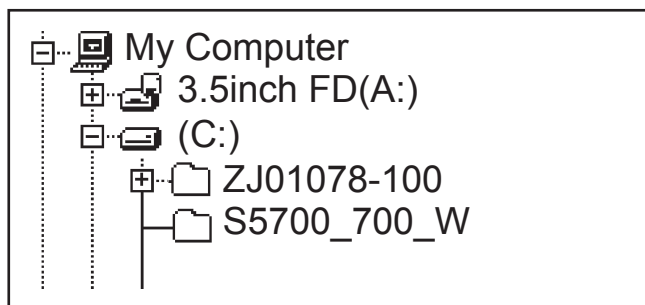
4. Adjustments

<Step3>

When all the folders have been copied to the C:drive, double-click on [C:\ FxS5700_700_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.



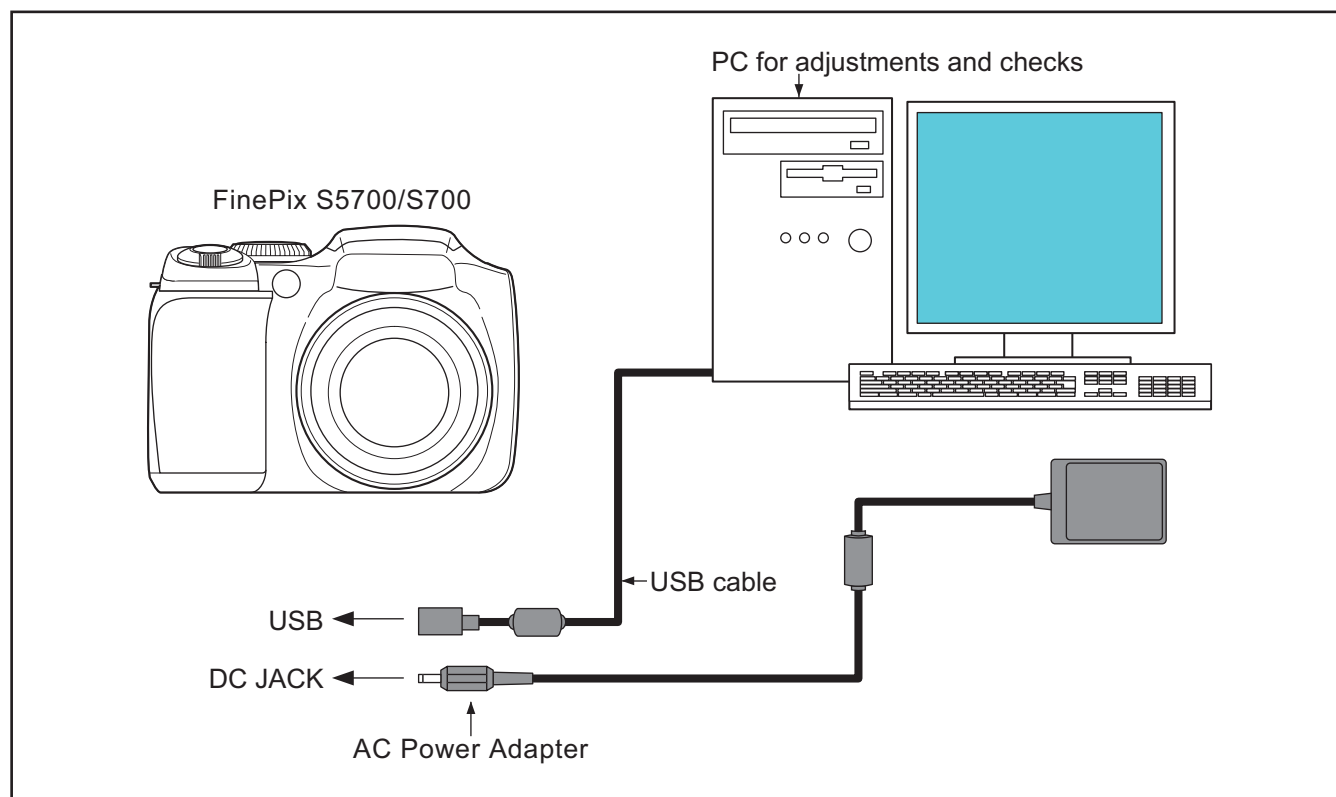
<Fig. 4-5-3>

[Caution][Important]

- (a) PC adjustment software can not start when there is folder of FxS5700_700_W in folder named ZJ01065-100.
Please preserve the folder of FxS5700_700_W right under C drive.
- (b) Please do not change the foldername named FxS5700_700_W.
PC adjustment software can not start when foldername is changed.

4-6. Connecting to the PC for Adjustment

Connect the camera to the PC as shown in the figure.



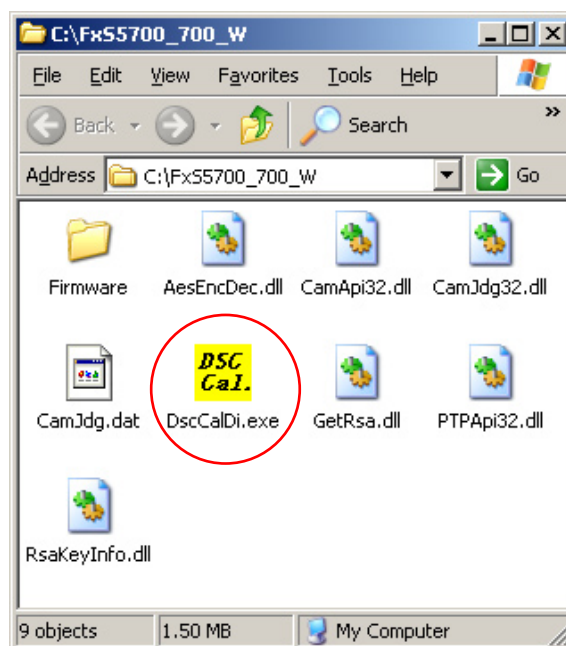
4-7. Adjustment Software Description

<Step 1>

Connect the camera to the PC in DSC mode.

<Step 2>

Double-click the [DscCalDi.EXE] file inside the "C:\FxS5700_700_W" folder copied in section 4-5 to open the adjustment selection window shown in Fig. 4-7-2.

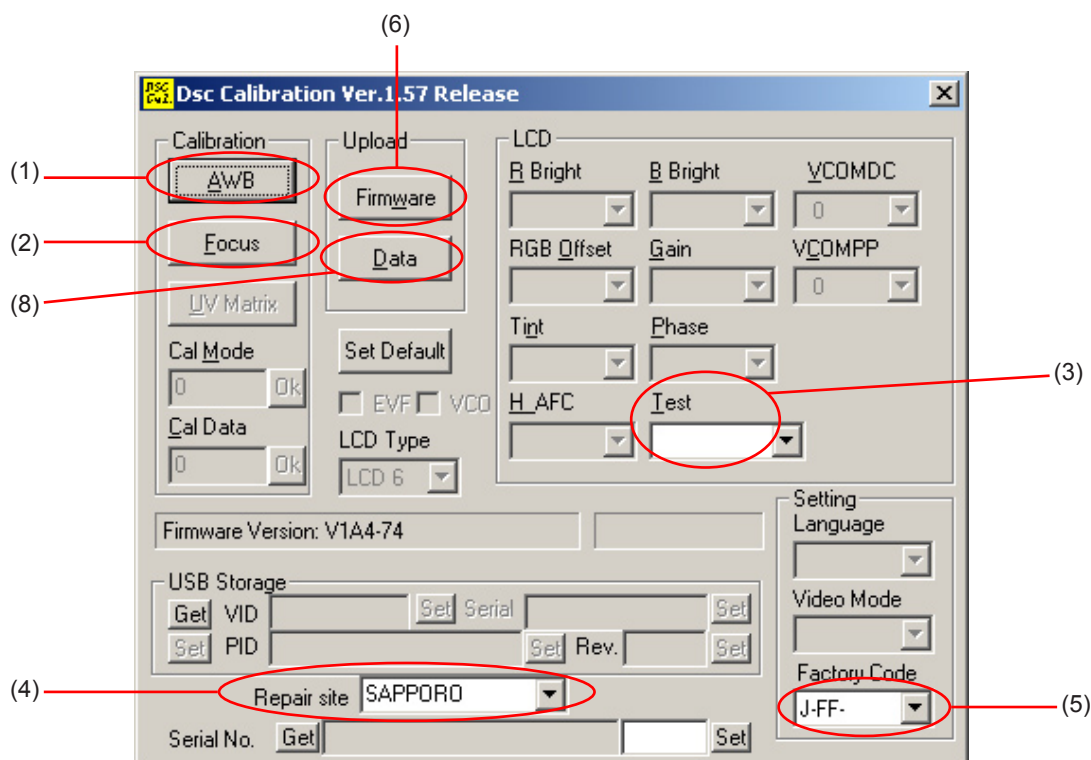


<Fig. 4-7-1>

Then proceed with the adjustments as directed by the on-screen instructions.

Function:

- (1) AWB Button : AWB adjustment.
- (2) Focus Button : LENS adjustment.
- (3) Test Box : CCD Defect Correction & CCD Black Defect Correction, Set default.
- (4) Repair site Box : Repair site selection.
- (5) Factory Code Box : Destination setting.
- (6) Firmware Button : Firmware Upgrade.
- (7) Set Default Button : MAIN PWB ASSY initialization completed flag.
- (8) Data: Not use



<Fig. 4-7-2>

4. Adjustments

4-8. MAIN PWB ASSY initialization

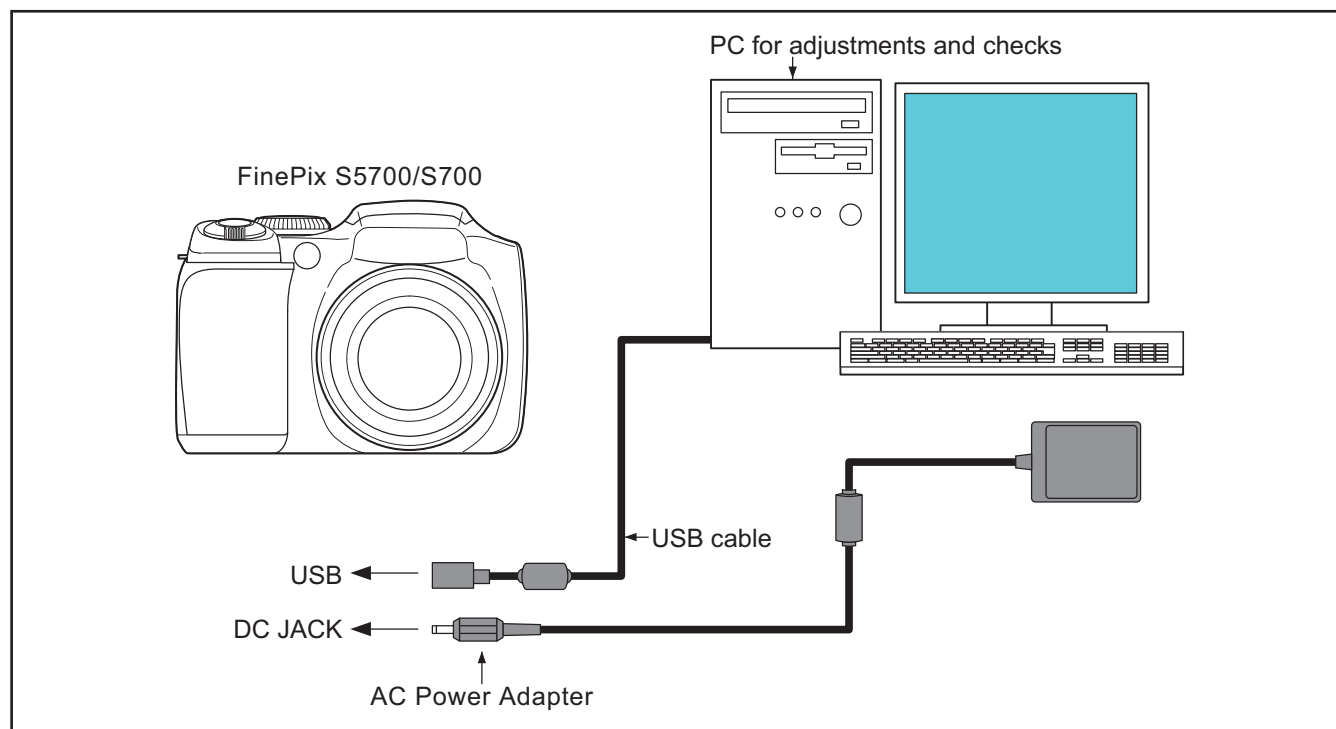
When the MAIN PWB ASSY has been replaced. Replace the firmware from the adjustment software.

<Notes>

Because MAIN PWB ASSY initialization erases the data stored in internal memory, it should only be performed when the MAIN PWB ASSY is replaced.

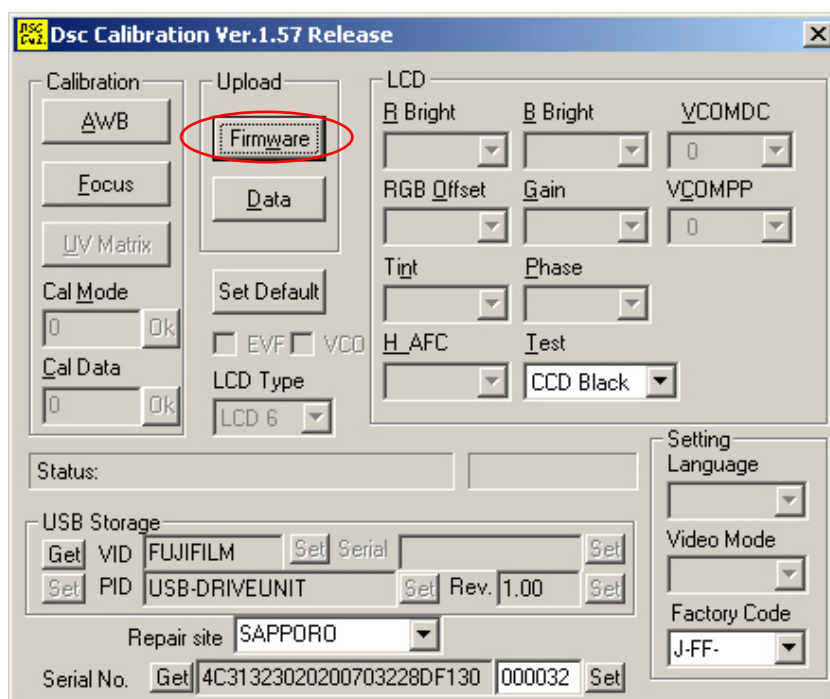
<Setup used for initialization>

- (1) Before using the FinePix S5700/S700 adjustment software, check the current firmware version.
- (2) If you do not have the latest version of the firmware, download the latest version before performing any other adjustments.



<Step 1>

In the adjustment selection window, select [Firmware].

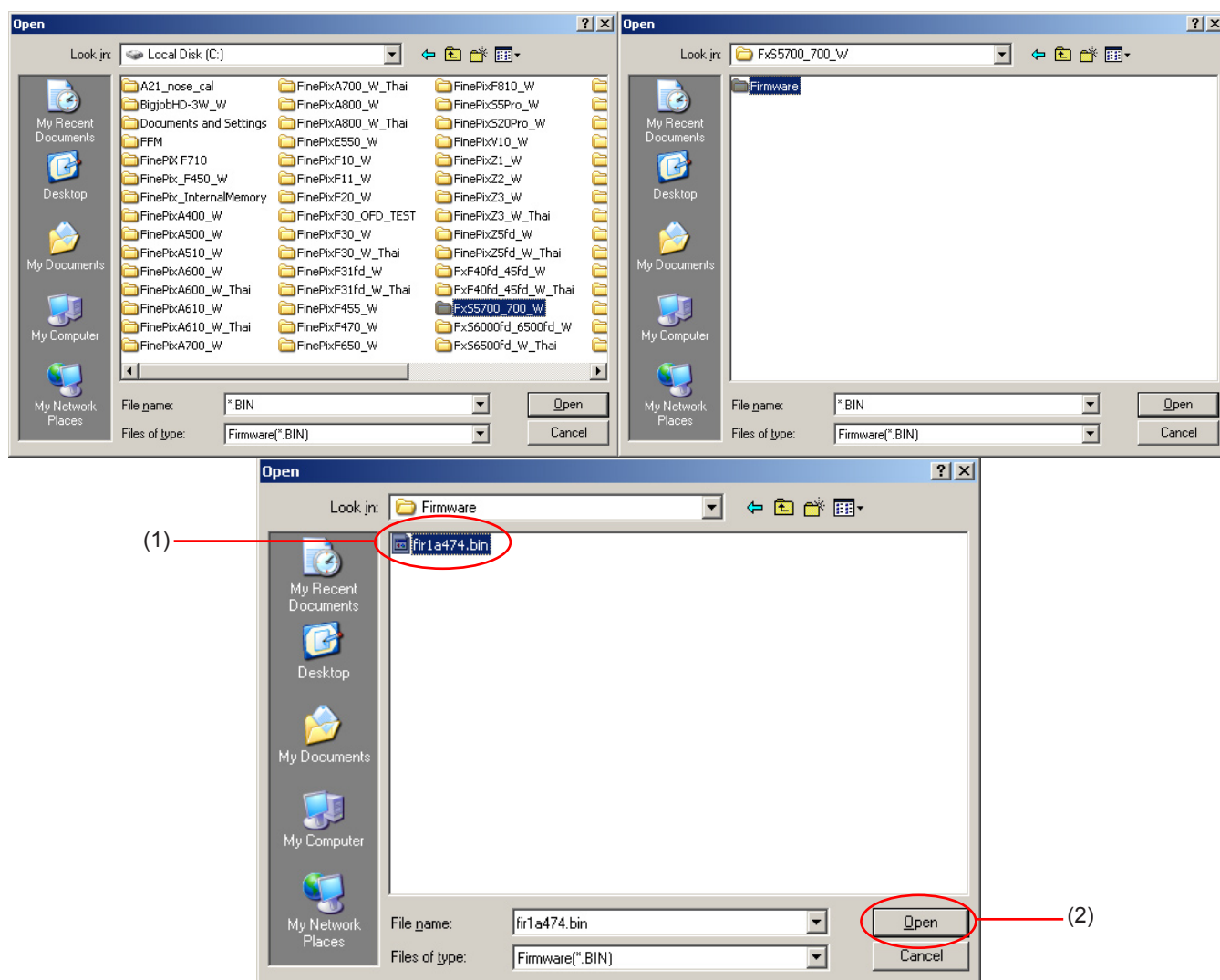


<Fig. 4-8-1>

--> The firmware file selection window opens.

<Step 2>

Select the firmware file ((1) in Figure 4-8-2) and click the [Open] button ((2) in Figure 4-8-2).

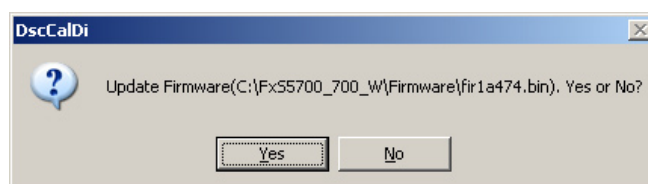


<Fig. 4-8-2>

--> The firmware update confirmation window appears.

<Step 3>

Click the [Yes] button.



<Fig. 4-8-3>

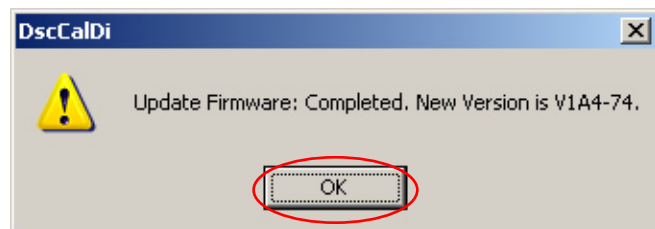
4. Adjustments

--> If firmware updating is successful, the "Update Firmware: Complete" window appears on the PC and on the camera's LCD panel.

(In Windows 2000, the "Unsafe Removal of Device" window appears, but this does not indicate a problem. Simply click the [OK] button.)

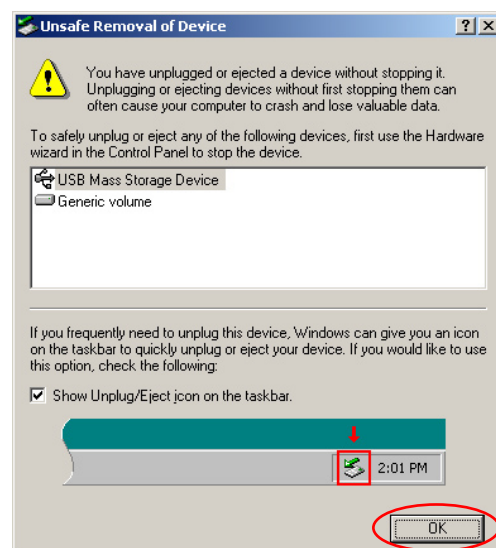
<Step 4>

Click the [OK] button.



<Fig. 4-8-4>

--> Firmware updating ends.



<Unsafe Removal of Device>

<Step 5>

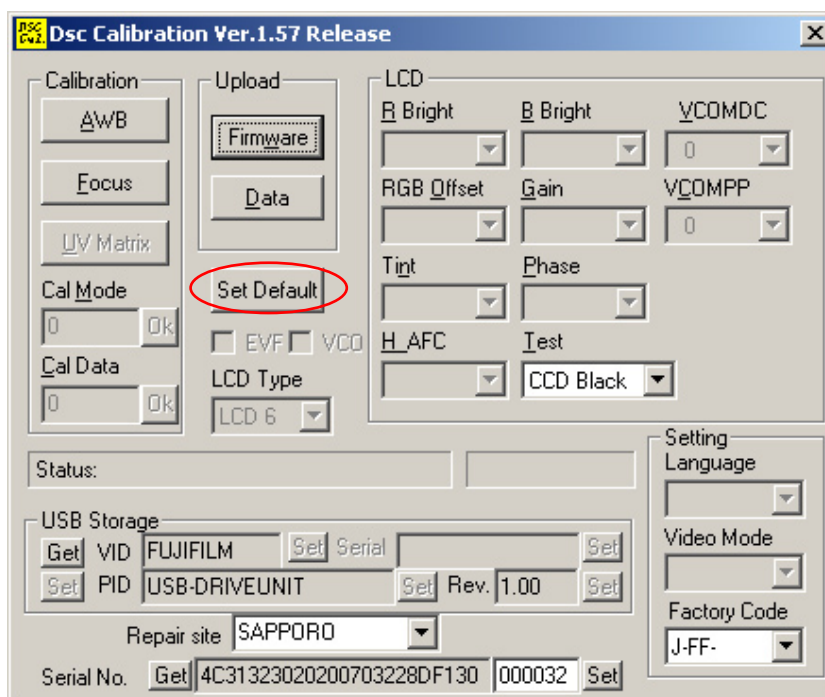
Turn the camera on again.

<Step 6>

Connect the camera to the PC and launch the adjustment software.

<Step 7>

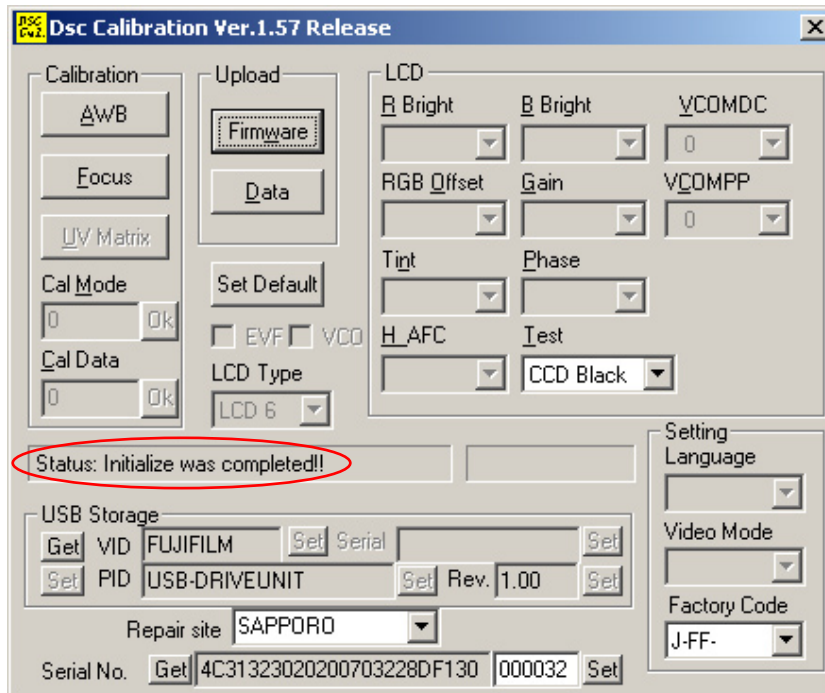
Select [Set Default] in the adjustment selection window.



<Fig. 4-8-5>

4. Adjustments

Initialization is completed when the "Status: Initialize was completed!!" message appears.



<Fig. 4-8-6>

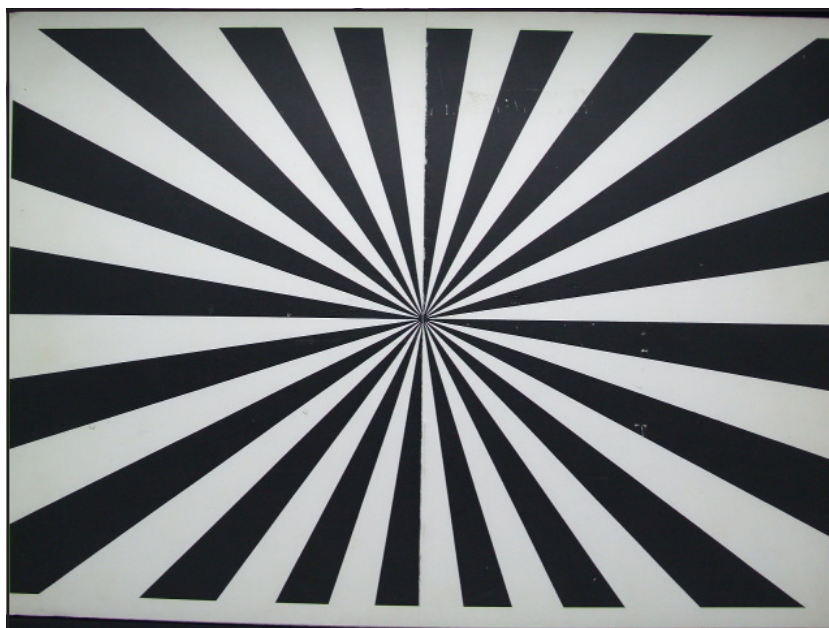
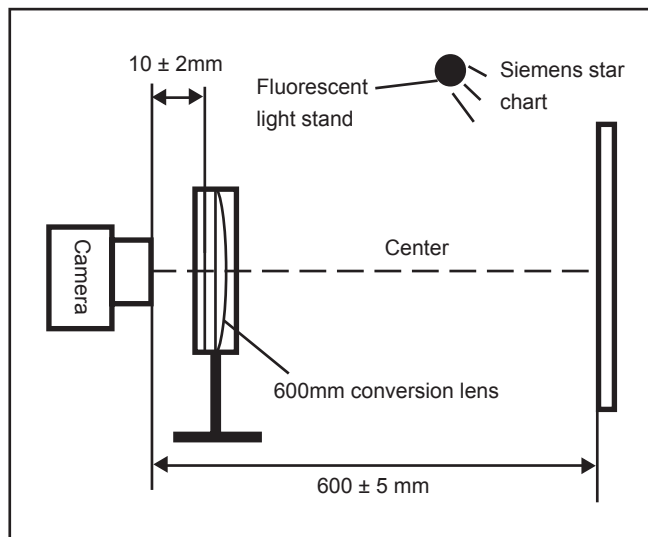
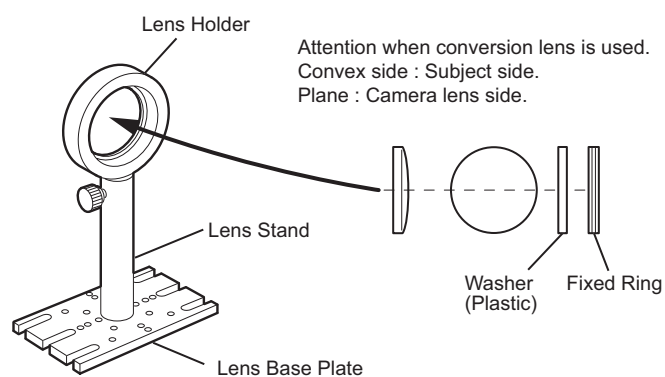
- * Do not run [Set Default] before performing steps 1 to 6.
- * Once MAIN PWB ASSY initialization ends, use the adjustment software to fully adjust the camera.

4. Adjustments

4-9. LENS Adjustment

<Settings used for AF adjustment>

- (1) Position the camera and the Siemens Star chart so that the chart is 600 ± 5 mm from the front of the camera lens.
- (2) Ensure that the brightness of the chart surface is between 9.0 and 12.0 EV.
- (3) Position a 600 mm conversion lens 10 ± 2 mm from the front of the camera lens.



<Siemens star chart>

<Step 1>

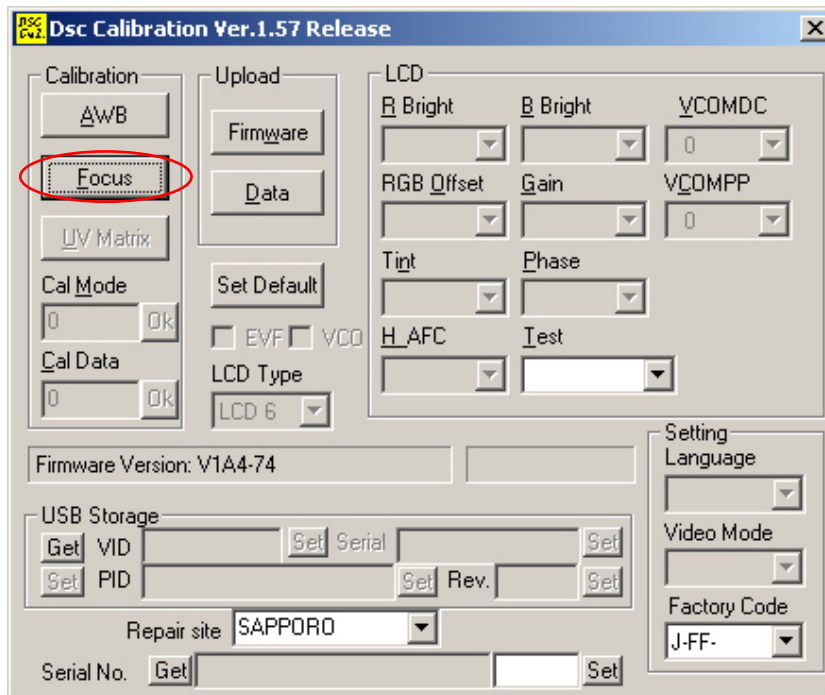
Before connecting the camera to the PC, adjust the settings so that the center of the chart appears in the center of the LCD monitor, as shown in Fig. 4-9-1.

<Step 2>

Connect the camera to the PC and then launch the adjustment software.

<Step 3>

In the adjustment selection window, select [Focus].



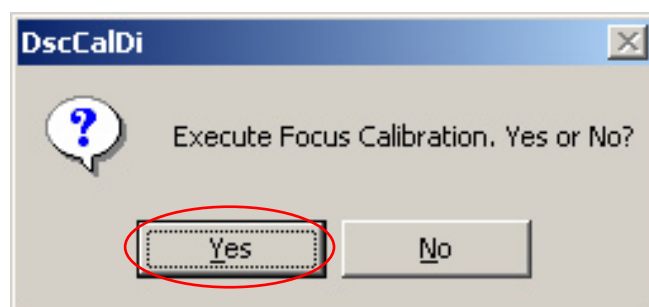
<Fig. 4-9-2>

--> The Focus adjustment confirmation window appears.

4. Adjustments

<Step 4>

Click the [Yes] button.

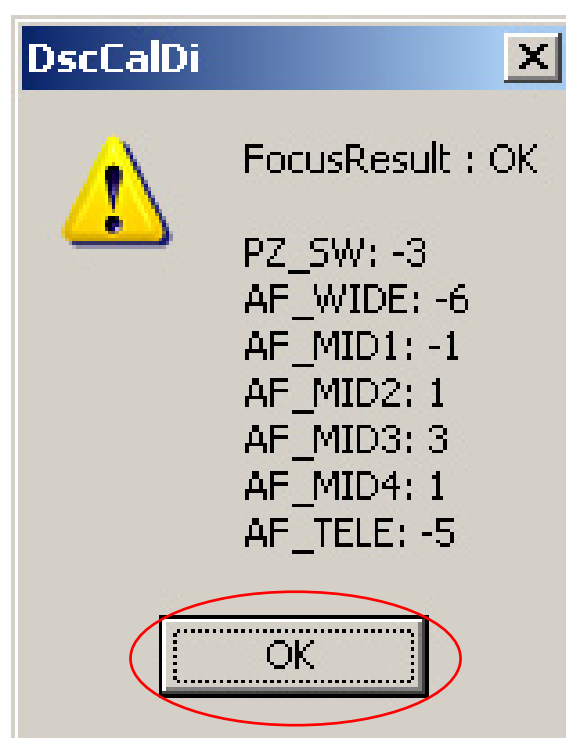


<Fig. 4-9-3>

--> When adjustment ends, the adjustment results window appears.

<Step 5>

Click the [OK] button.



<Fig. 4-9-4>

--> Lens adjustment ends.

4-10. AWB Adjustment

(Shutter adjustment, CCD sensitivity adjustment, white balance adjustment, AE adjustment)

<Settings used for AWB adjustment>

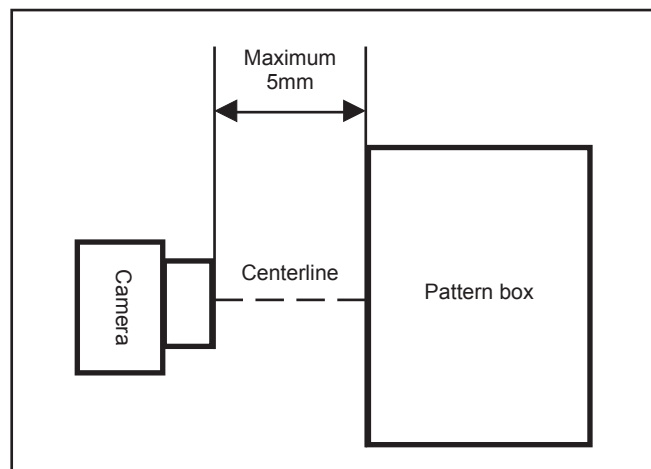
<Step 1>

Position the camera in front of the pattern box as shown in Fig. 4-10-1.

<Notes>

If the pattern box is not correctly calibrated, an error will occur during camera adjustment and it will not be possible to complete the adjustment successfully.

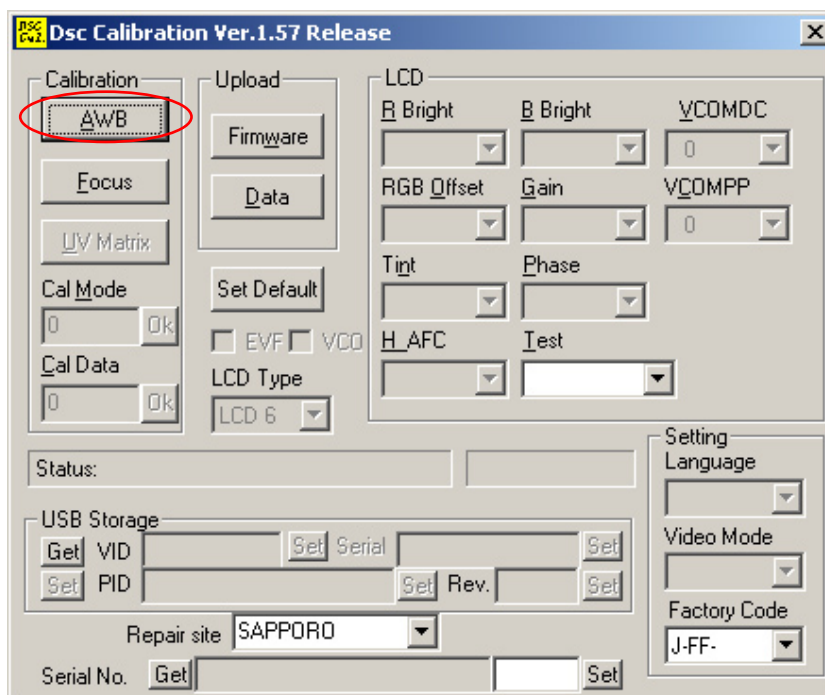
Also, if soiling on the diffusion plate or reflective plate in the pattern box causes blurring of the light source, adjustment errors may occur. The pattern box should be regularly cleaned and checked.



<Fig. 4-10-1>

<Step 2>

In the adjustment selection window, select [AWB] adjustment.



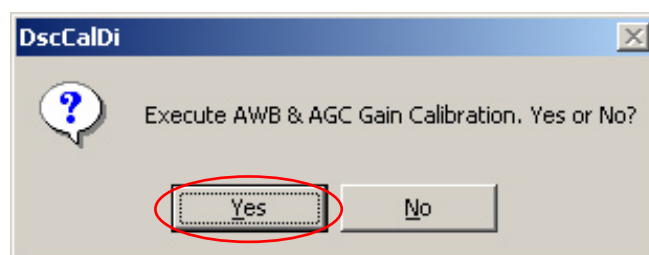
<Fig. 4-10-2>

--> The AWB adjustment confirmation window appears.

4. Adjustments

<Step 3>

Click the [Yes] button.

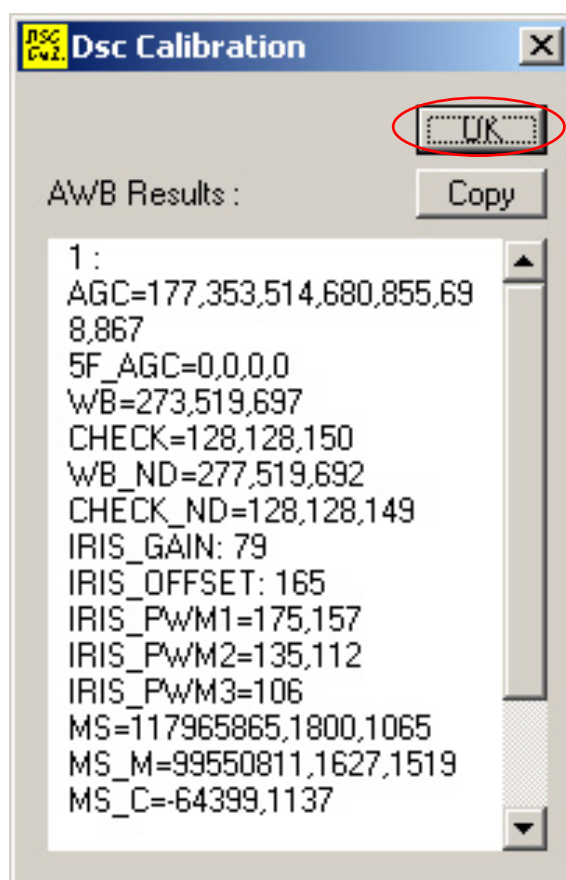


<Fig. 4-10-3>

--> When adjustment ends, the adjustment results window appears.

<Step 4>

Click the [OK] button.



<Fig. 4-10-4>

--> AWB adjustment ends.

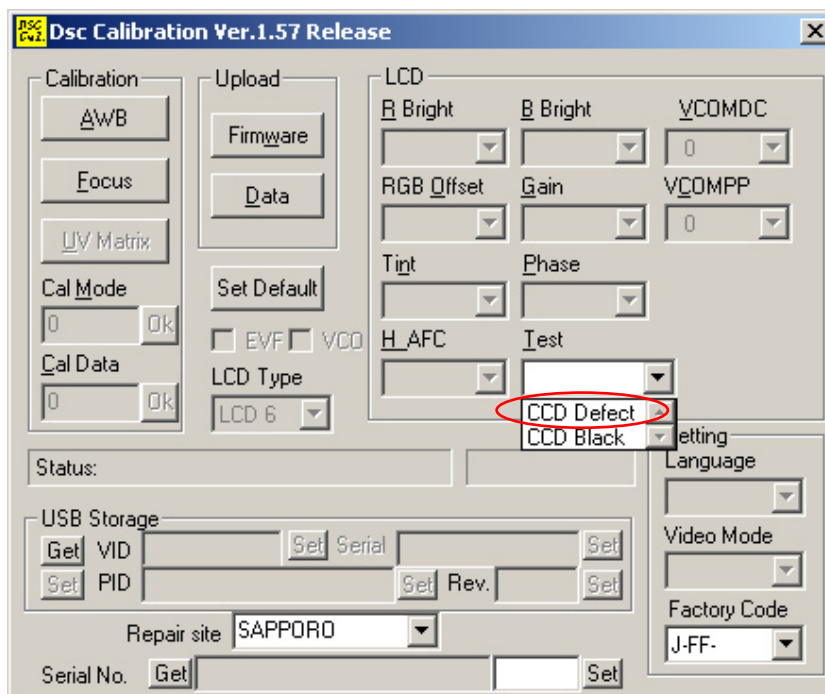
4-11. CCD Defect Detection

(Detection of white defects in dark images)

No subject is required for this adjustment.

<Step 1>

In the adjustment selection window, select [CCD Defect].

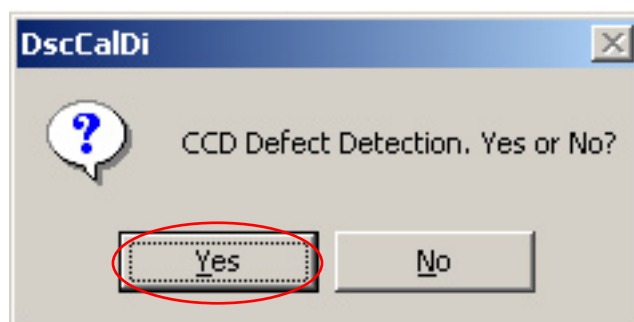


<Fig. 4-11-1>

--> The CCD defect detection confirmation window appears.

<Step 2>

Click the [Yes] button.



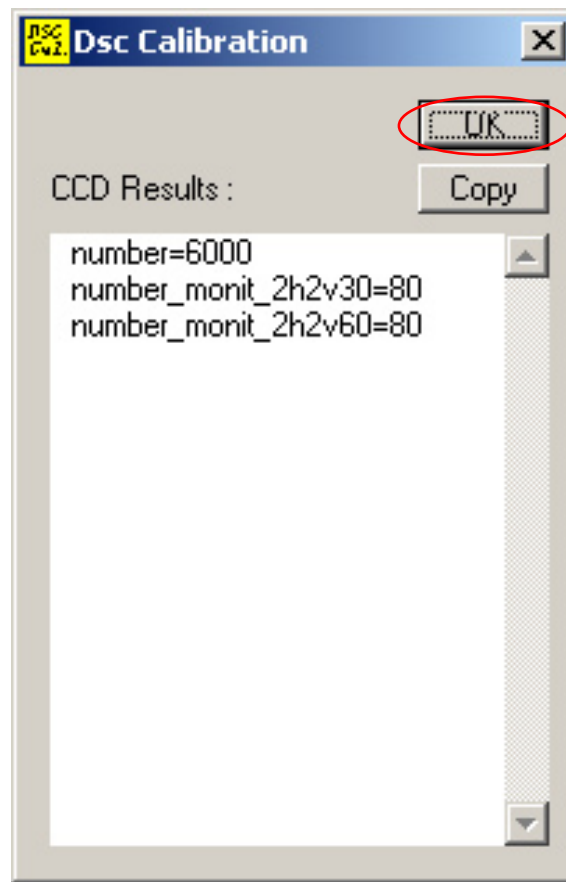
<Fig. 4-11-2>

--> When defect detection ends, the results window appears.

4. Adjustments

<Step 3>

Click the [OK] button.



<Fig. 4-11-3>

--> CCD defect detection ends.

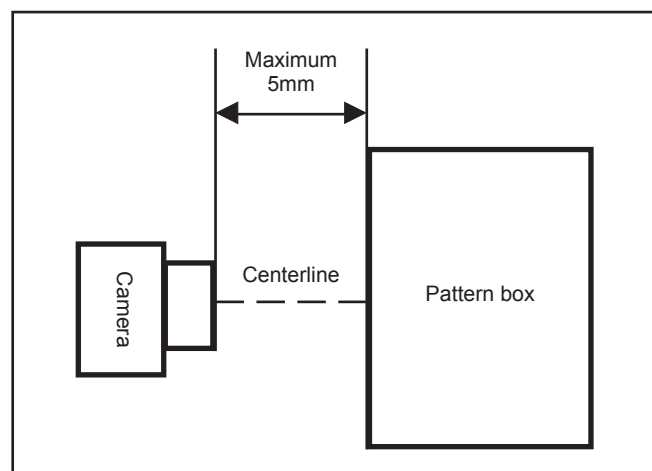
4-12. CCD Black Defect Detection

(Detection of black defects in bright images)

<Settings used for CCD black defect detection>

<Step 1>

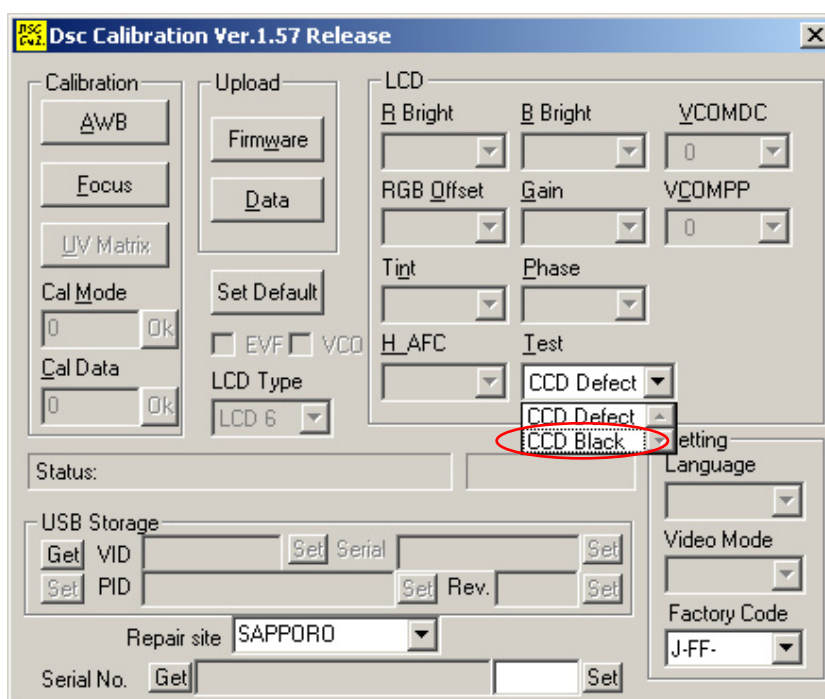
Position the camera in front of the pattern box as shown in Fig. 4-12-1.



<Fig. 4-12-1>

<Step 2>

In the adjustment selection window, select [CCD Black].



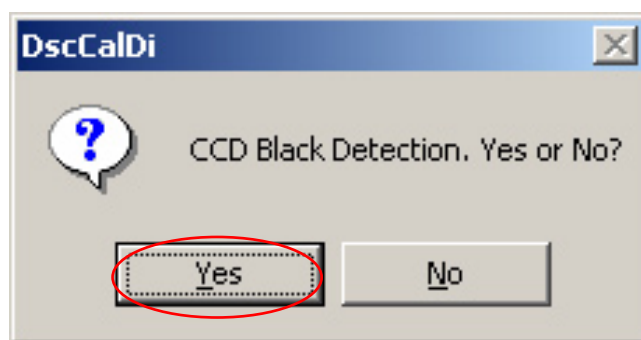
<Fig. 4-12-2>

--> The CCD black defect detection confirmation window appears.

4. Adjustments

<Step 3>

Click the [Yes] button.

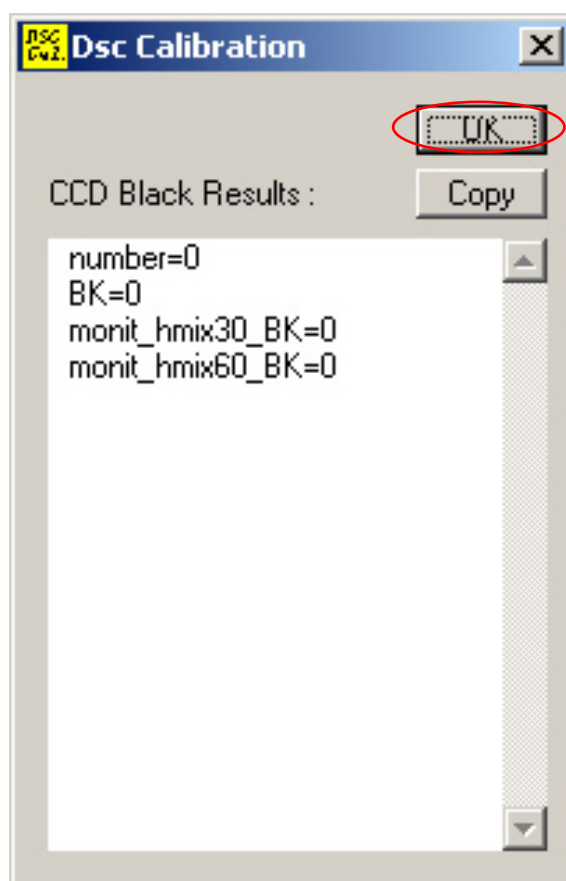


<Fig. 4-12-3>

--> When black defect detection ends, the results window appears.

<Step 4>

Click the [OK] button.



<Fig. 4-12-4>

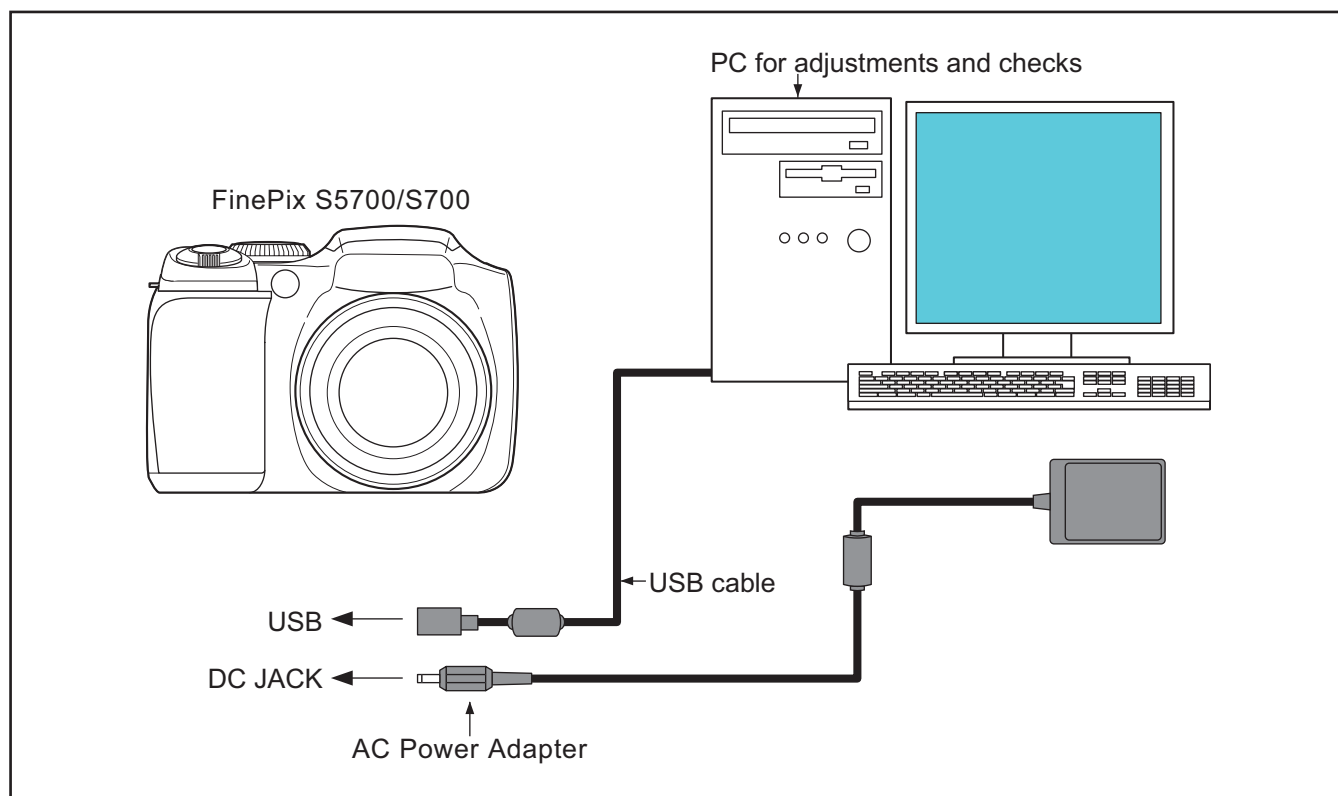
--> CCD black defect detection ends.

4-13. Updating the Firmware

[Note] When a firmware download is required, a FUJI SERVICE BULLETIN to that effect will be issued by FTYO/QA. Until then, disregard this item.

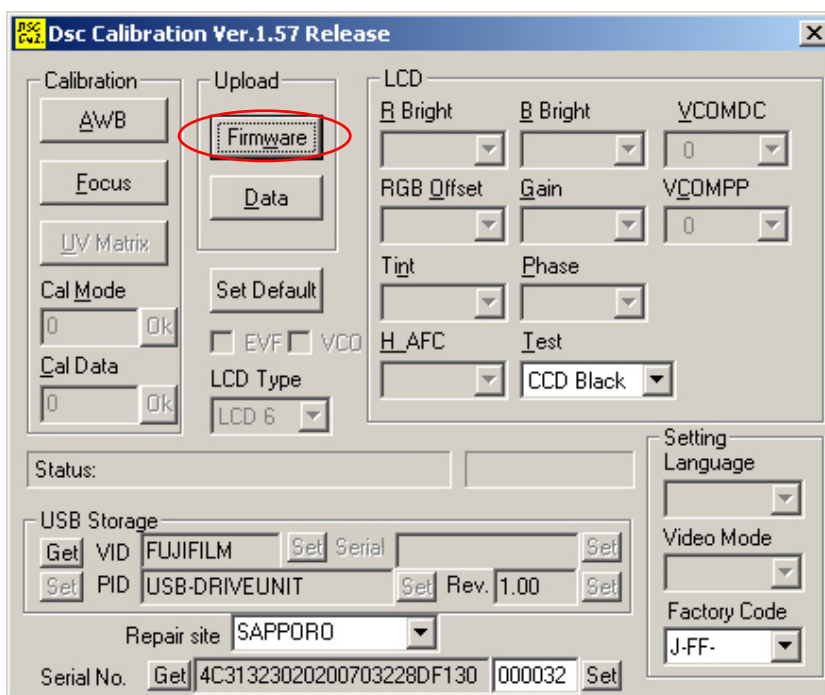
<Setup used for firmware updating>

- (1) Before using the FinePix S5700/S700 adjustment software, check the current firmware version.
- (2) If you do not have the latest version of the firmware, download the latest version before performing any other adjustments.



<Step 1>

In the adjustment selection window, select [Firmware].



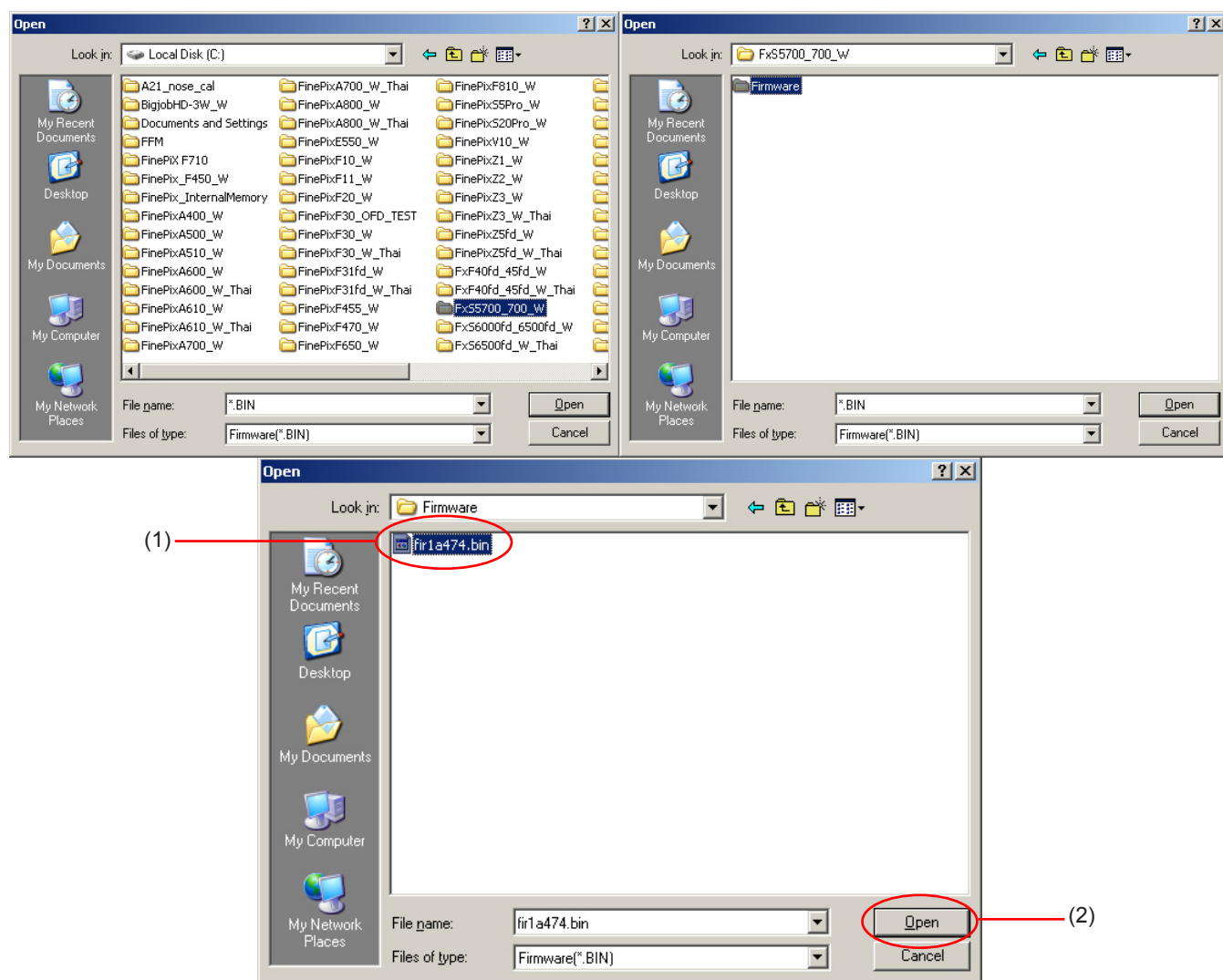
<Fig. 4-13-1>

--> The firmware file selection window opens.

4. Adjustments

<Step 2>

Select the firmware file ((1) in Figure 4-13-2) and click the [Open] button ((2) in Figure 4-13-2).

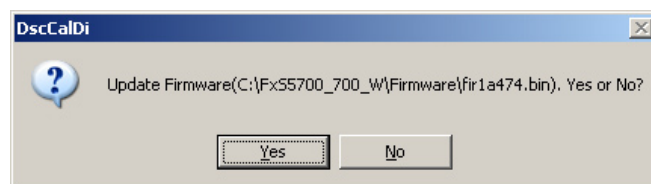


<Fig. 4-13-2>

--> The firmware update confirmation window appears.

<Step 3>

Click the [Yes] button.



<Fig. 4-13-3>

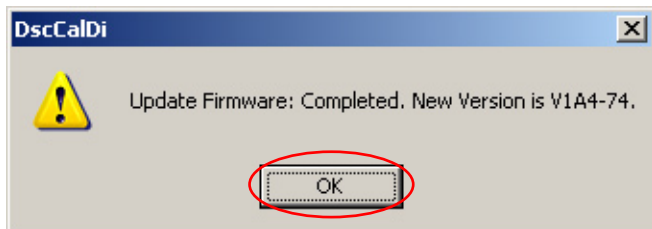
4. Adjustments

--> If firmware updating is successful, the "Update Firmware: Complete" window appears on the PC and on the camera's LCD panel.

(In Windows 2000, the "Unsafe Removal of Device" window appears, but this does not indicate a problem. Simply click the [OK] button.)

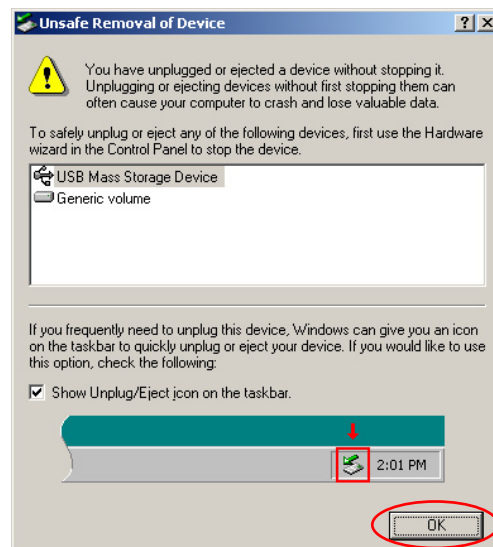
<Step 4>

Click the [OK] button.



<Fig. 4-13-4>

--> Firmware updating ends.



<Unsafe Removal Device>

4. Adjustments

4-14. Completion Settings

(Destination, USB ID write and Product Mode settings)

* The 3 completion settings are the Destination, USB ID write and Product Mode settings.

* Always specify these settings as the final step after exiting the adjustment software.

[USB_ID write details]

The reason for the USB ID write operation is as follows: "Each USB device (the FinePix S5700/S700 in this case) must have a globally unique ID that specifically identifies the device and the USB standard requires that a device-specific ID be assigned." Accordingly, if multiple USB devices with the same USB ID are connected to the same PC, the PC will be unable to correctly recognize the USB devices and will malfunction.

The table below shows the USB IDs written in the completion settings.

Numbers in parentheses indicate decimal values. Other values are ASCII.

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)	FUKUOKA	38(8)
	FRANCE	68(h)		
	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			

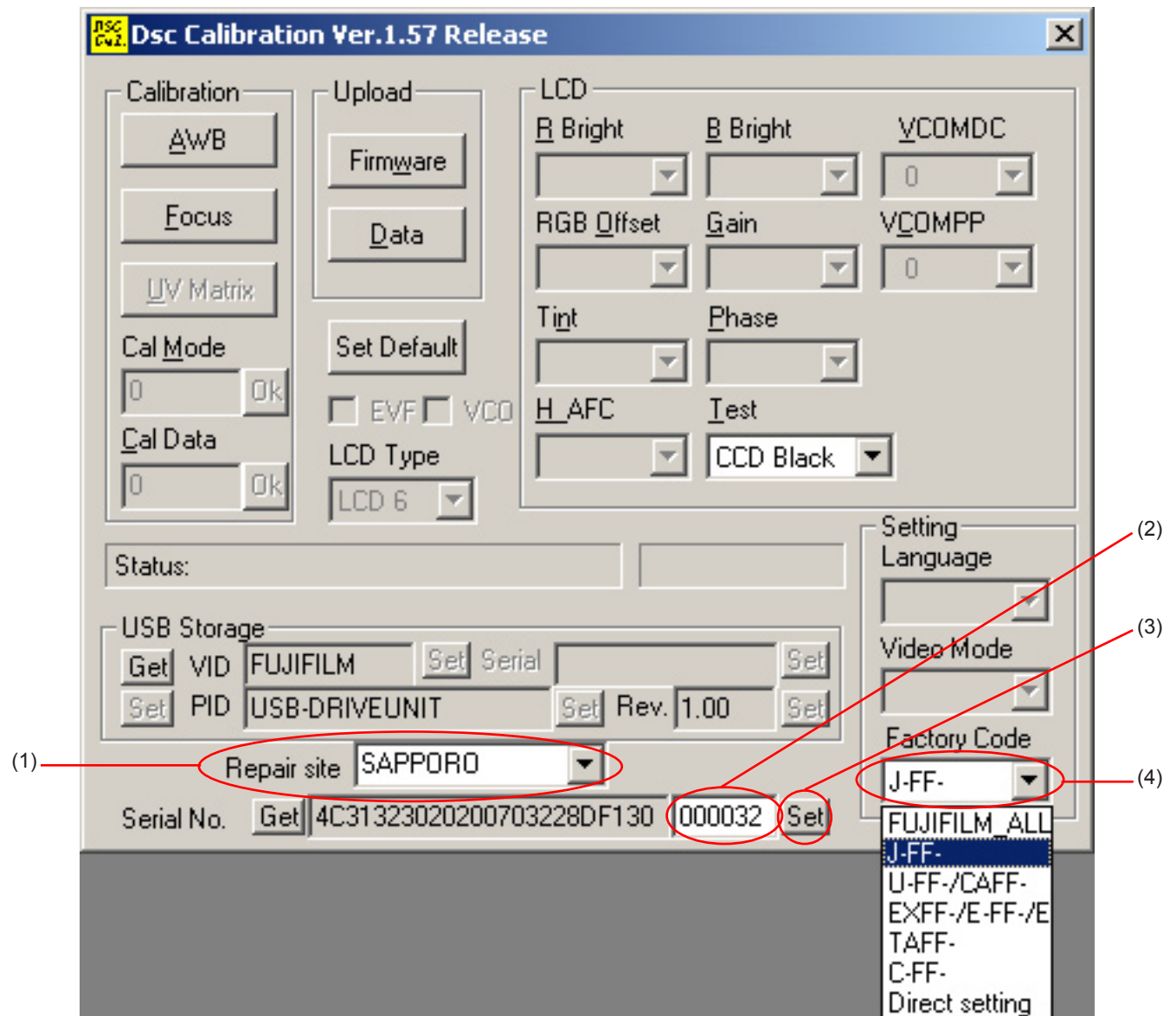
<Step 1>

In the adjustment selection window, select the repair site in the [Repair site] combo box ((1) in Fig. 4-14-1).

--> The first 14 digits of the serial number are displayed.

<Step 2>

Enter the last 6 digits of the camera's serial number in the [Serial No.] box ((2) in Fig. 4-14-1).



<Fig. 4-14-1>

<Step 3>

Click the [Set] button ((3) in Fig. 4-14-1) to write the data to the camera.

<Step 4>

Check the third number or letter in the serial number and select the corresponding model in the [Factory Code] combo box ((4) in Fig. 4-14-1).

--> Completion setting ends.

Model	The third of the serial Number	Destination code
FinePix S5700 J-model	0 to 9	J-FF
FinePix S700 US-model	A to H, J, K	U-FF/CA-FF
FinePix S5700 EU/EG/EE/AS-model	L to N, P to V	EXFF/EFF/E
FinePix S5700 CH-model	W to Z	C-FF

4. Adjustments

MEMO

★5. Inspection

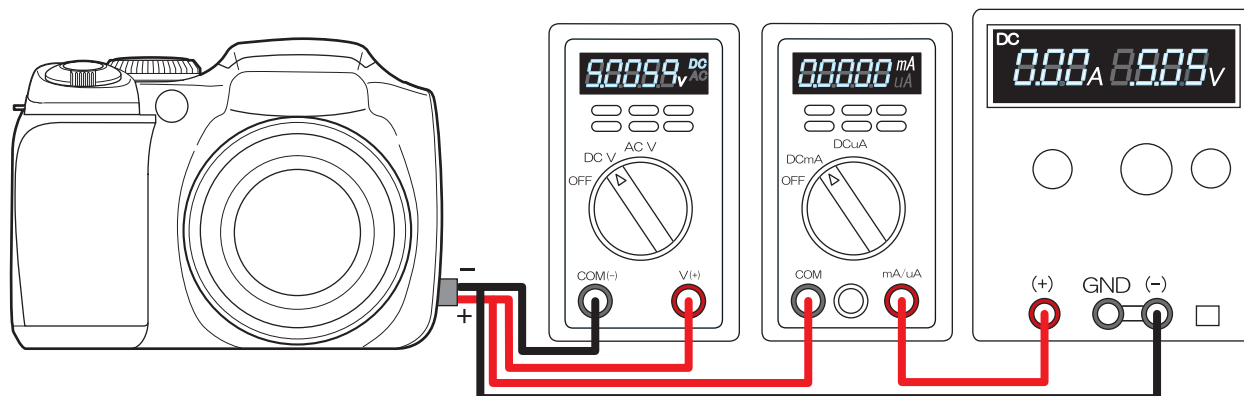
5-1. Required Measuring Equipment

Measuring equipment	Remarks
Power supply	AC adapter (AC-5V), Regulated power supply
Digital voltmeter	For general use
Ammeter	For general use (able to measure 1mA or less)
Power Cable jig	Common with adjustment JIG (ZJ00580-100)
xD-Picture card	For general use
SD CARD ULTRA2 1GB	To check SD card recording (ZPU0512-100)
Macro Chart	Resolution confirmation (ZJ00525-100)
TV Monitor	TV monitor, minimum resolution 600 lines
LCD Inspection Data	For LCD inspection (ZJ00885-100)
FxS5700/S700 Battery jig	Battery low check (ZJ01080-100)

5-2. Connection of Measuring Equipment

Use Power Cable jig.

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



5. Inspection

★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 light 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 xD-card and close the card cover. (3) Select the Mode dial setting. (4) Turn the camera on. (5) If messages prompting the user to set the language and date are appears, press the button specified on the right. (6) Check the display status. (7) Press the <EVF/LCD> button. (8) Check for blemishes in the CCD live image.	(1) Applied voltage: 5.0 ± 0.1 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) 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.		
8	SD-card recording/ playback check	AUTO Playback	(1) Insert a SD-card and close the card cover. (2) Select the Mode dial setting. (3) Turn the camera on. (4) If messages prompting the user to set the language and date are appears, press the button specified on the right. (5) Press the shutter button to take a picture. (6) Press the playback button. (7) Check the playback image.	(1) Card for recording checking (2) Mode: AUTO (4) <DISP/BACK> (5) Check that the indicator lamp lights orange (recording in progress) and then turns off. (7) Check that the last image shot appears, regardless of whether it is automatic or manual.	ZPU0512-100	

5. Inspection

★ 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)
9	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.		
10	Flash check		(1) Set the flash mode to FORCED FLASH. (2) Check that the flash pops up when a picture is taken.	(1) Press the 4-way button (right) and check that ** appears on the LCD monitor.		
11	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	
12	Battery low check	Movie	(1) Connect the power supply jig to the Battery 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) 5.0 ± 0.1 V (3) Check that the camera starts up normally. (4) 4.6 ± 0.1 V Check that the battery low warning appears. (5) 4.47 ± 0.10 V Check that the camera turns off.	ZJ01080-100	
13	Current consumption check	Auto mode LCD-ON	(1) Connect the power supply jig to the Battery 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) 5.0 ± 0.1 V (4) 500 mA or less (Stable state -> IRIS/ FOCUS does not operate)	ZJ01080-100	
14	Checking standby current	OFF	(1) Connect the power supply jig to the DC_IN terminal. (2) Set the power supply voltage. (3) Check the standby current when the power is turned OFF.	(2) 5.0 ± 0.1 V (3) 0.2 mA or less	ZJ00580-100	

5. Inspection

★ 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)
15	Shipping inspection		(1) Mode dial. (2) SETUP frame no. (3) Battery and cards not inserted. (4) Internal memory. (5) Battery cover. (6) Power off.	(1) AUTO mode (2) New: The default SETUP frame No. setting is "Continuous", but to clear the number of frames in the frame number memory to zero, you should always change the setting to "New" before turning the camera off. (3) Normal (4) Check that the internal memory is formatted. * Excluding customers camera. (5) Closed (6) The power supply is stopped after the camera's shutdown sequence ends.		

5. Inspection

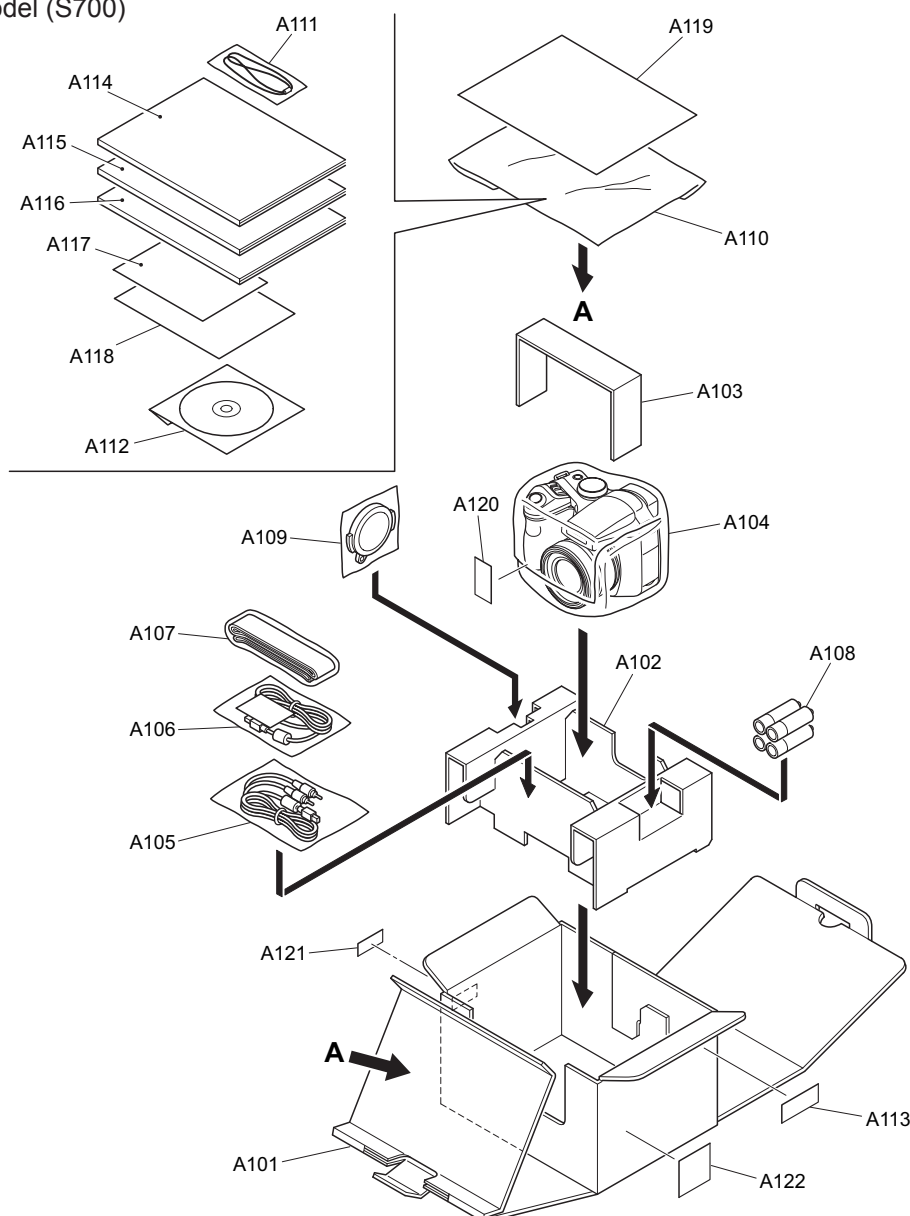
MEMO

6. Parts List

6-1. Silver model

6-1-1. Packing and Accessories

6-1-1-1. US-model (S700)

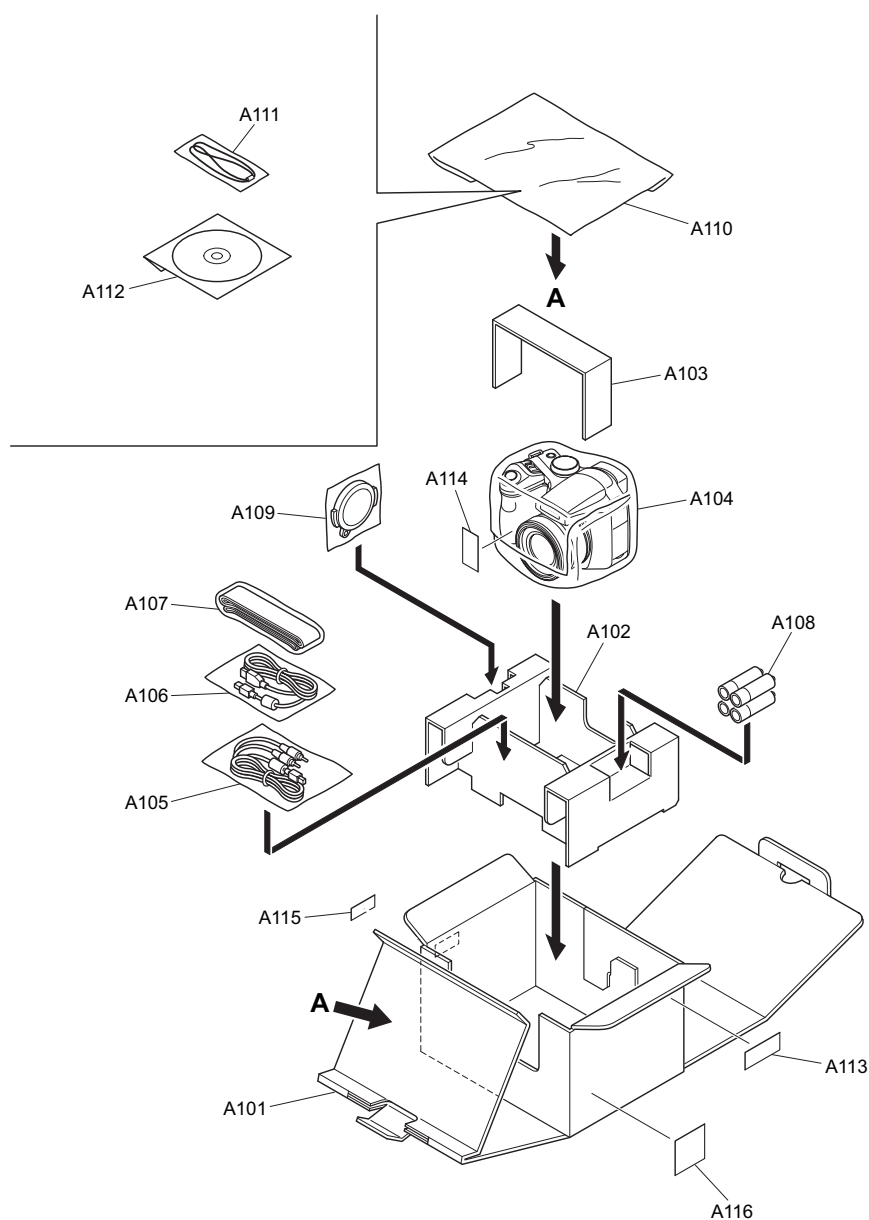


Ref No.	Parts No.	Description	Comment
A101	636-104-4172	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	636-102-5485	MANUAL E	
A115	636-102-5508	QUICKGUIDE E	

Ref No.	Parts No.	Description	Comment
A116	636-102-5515	QUICKGUIDE S	
A117	636-104-3243	US WARRANTY	
A118	636-104-3229	INSTRUCTION MANUAL	
A119	BL00632-100	INSERTION	
A120	636-092-5526	CONFIRMATION LABEL	
A121	636-103-0052	COLOR LABEL S	
A122	636-104-6190	SILVER.LBL.US	

6. Parts List

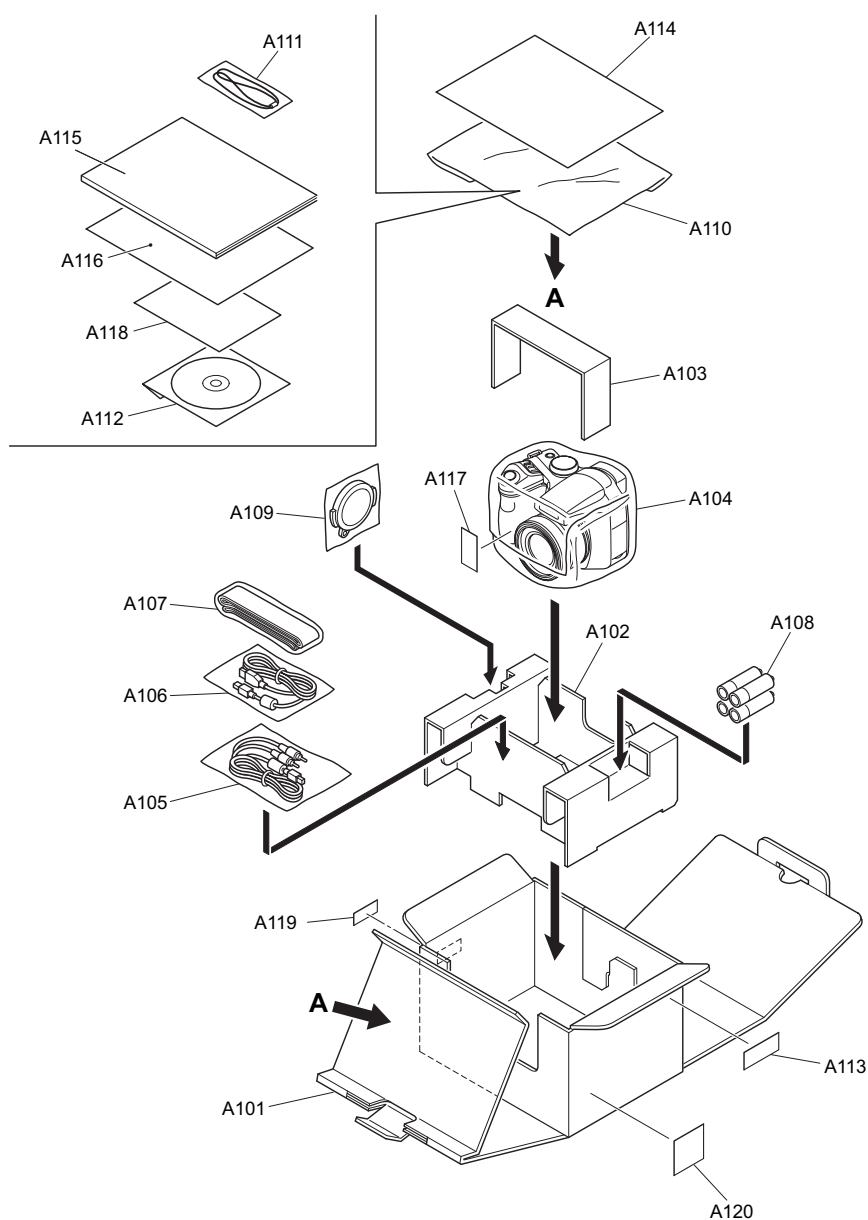
6-1-1-2. EU-model (S5700)



Ref No.	Parts No.	Description	Comment
A101	636-102-8516	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	636-092-5526	CONFIRMATION LABEL	
A115	636-103-0052	COLOR LABEL S	

Ref No.	Parts No.	Description	Comment
A116	636-104-5452	SILVER.LBL.EU	

6-1-1-3. EG-model (S5700)

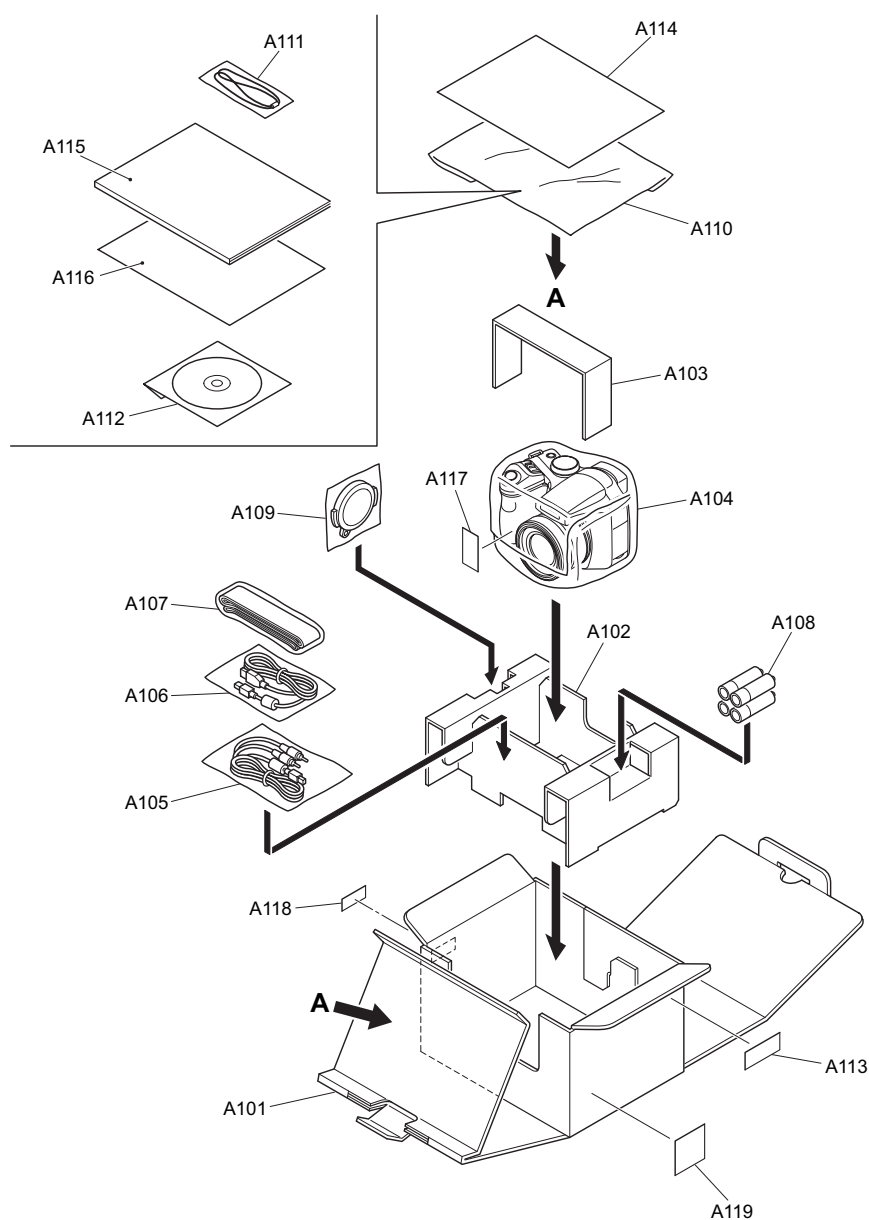


Ref No.	Parts No.	Description	Comment
A101	636-102-8516	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	BL00632-100	INSERTION	
A115	636-102-5485	MANUAL E	

Ref No.	Parts No.	Description	Comment
A116	636-102-5508	QUICKGUIDE E	
A117	636-092-5526	CONFIRMATION LABEL	
A118	636-104-3205	WARRANTY CARD EG	
A119	636-103-0052	COLOR LABEL S	
A120	636-104-5469	SILVER.LBL.EG	

6. Parts List

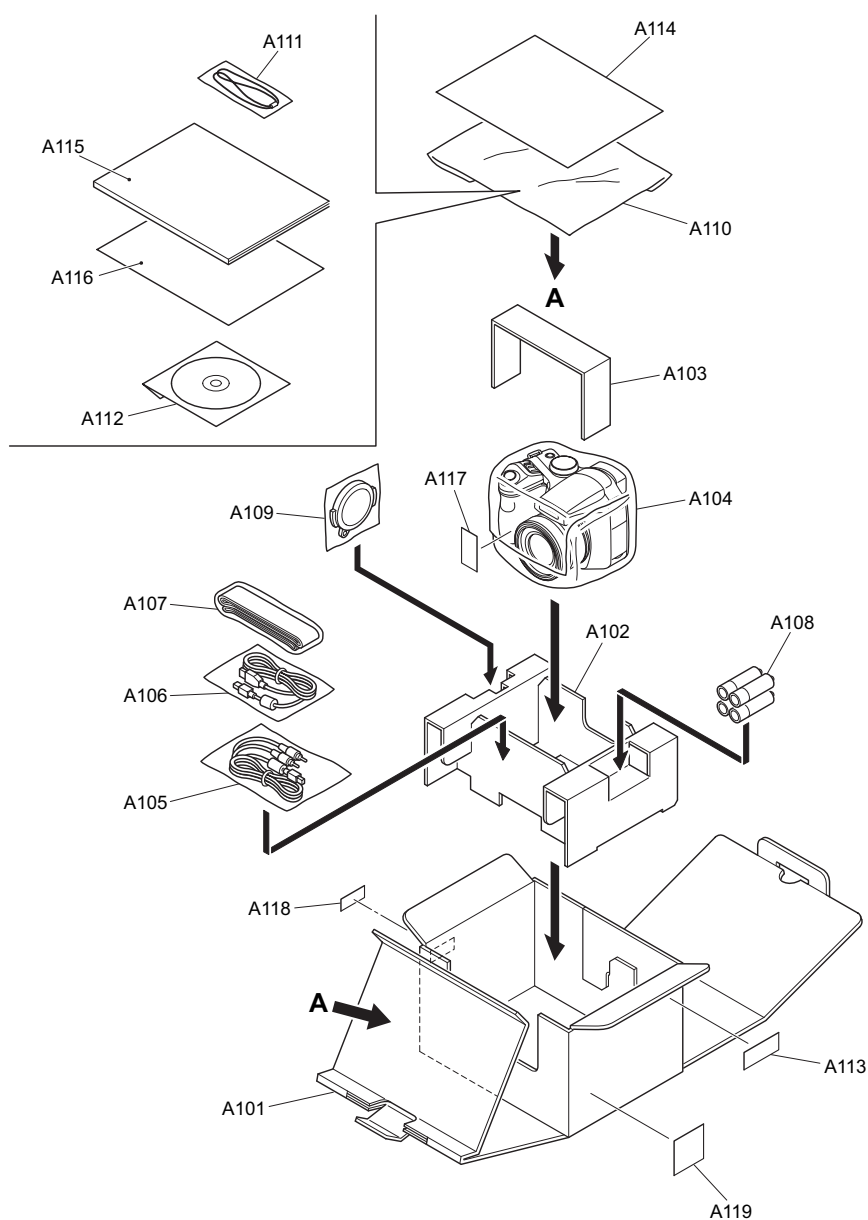
6-1-1-4. EE-model (S5700)



Ref No.	Parts No.	Description	Comment
A101	636-102-8516	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	BL00632-100	INSERTION	
A115	636-102-5485	MANUAL E	

Ref No.	Parts No.	Description	Comment
A116	636-102-5508	QUICKGUIDE E	
A117	636-092-5526	CONFIRMATION LABEL	
A118	636-103-0052	COLOR LABEL S	
A119	636-104-5476	SILVER.LBL.EE	

6-1-1-5. AS-model (S5700)

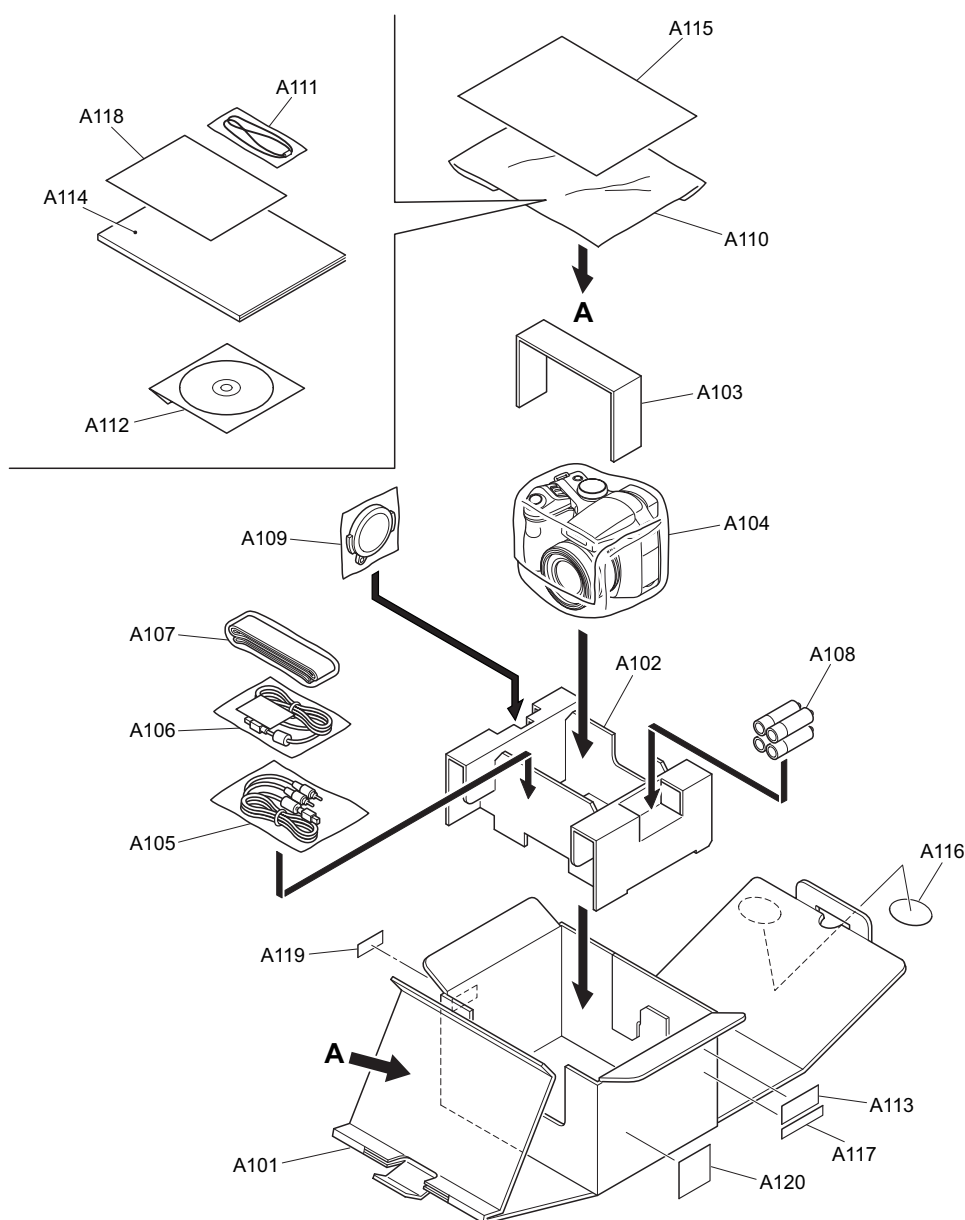


Ref No.	Parts No.	Description	Comment
A101	636-102-8516	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	BL00632-100	INSERTION	
A115	636-102-5485	MANUAL E	

Ref No.	Parts No.	Description	Comment
A116	636-102-5508	QUICKGUIDE E	
A117	636-092-5526	CONFIRMATION LABEL	
A118	636-103-0052	COLOR LABEL S	
A119	636-104-5483	SILVER.LBL.AS	

6. Parts List

6-1-1-6. CH-model (S5700)

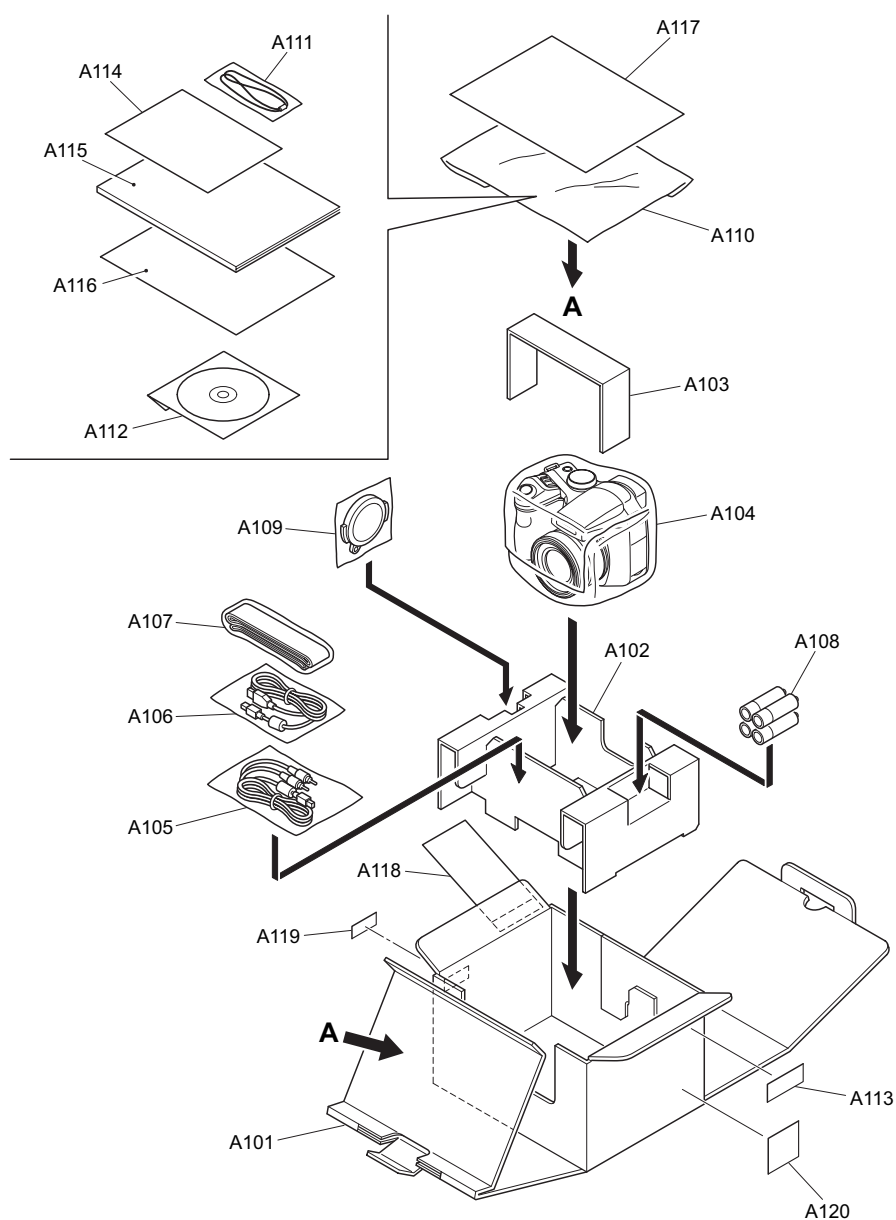


Ref No.	Parts No.	Description	Comment
A101	636-103-8300	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	636-102-5492	MANUAL C	
A115	BU03405-100	CERTIFICATE FC	

Ref No.	Parts No.	Description	Comment
A116	BB19104-100	REGULATION SEAL	
A117	613-202-3405	LABEL SERIAL No	
A118	BU03365-100	WARRANTY C	
A119	636-103-0069	COLOR LABEL S	
A120	636-104-5407	COLOR LABEL L	

6. Parts List

6-1-1-7. JP-model (S5700)



Ref No.	Parts No.	Description	Comment
A101	636-103-6627	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-083-3816	USB Cable	
A107	636-102-8455	STRAP	
A108	FZ06486-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	BL00575-101	PTF GUIDE FPV	
A115	636-102-5478	MANUAL J	

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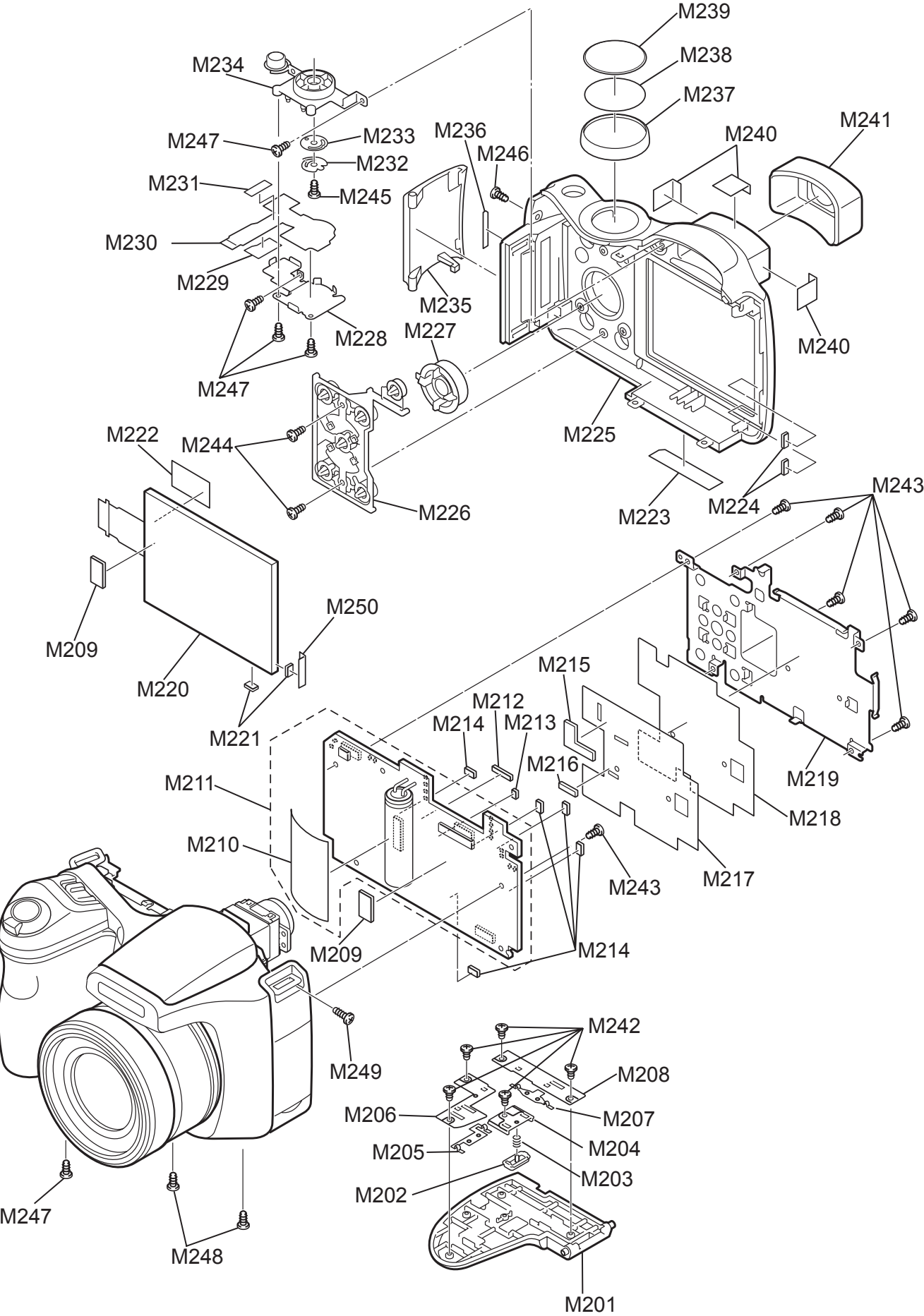
6. Parts List

MEMO

6. Parts List

6-1-2. Mechanical Block 1

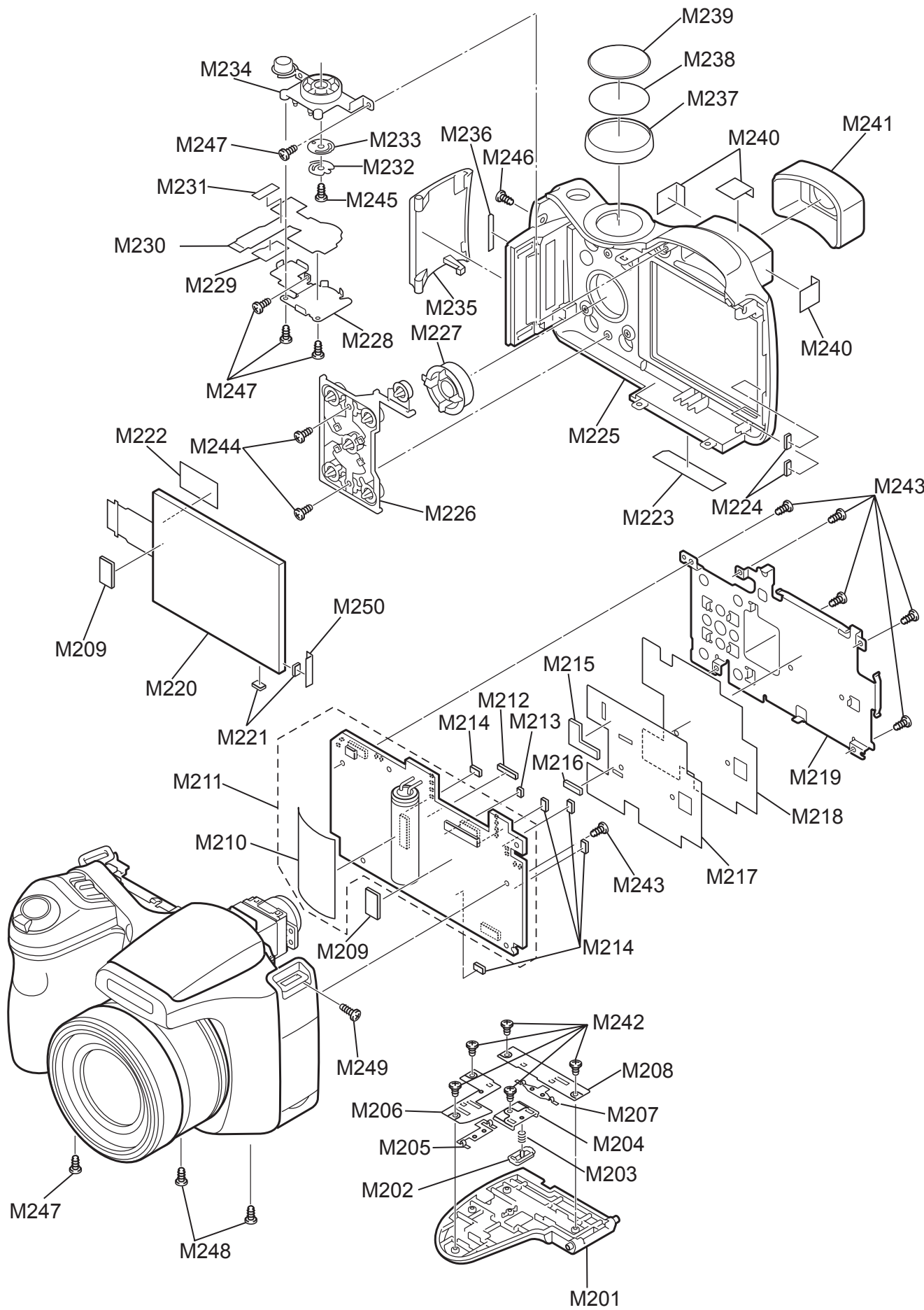
6-1-2-1. US/EU/EG/EE/AS/CH-model (S5700/S700)



Ref No.	Parts No.	Description	Comment
M201	636-102-9735	BATTERY COVER BATTERY[S700S S5700S]	
M202	636-103-6887	BATT COVER BUTTON[S700S S5700S]	
M203	636-102-9841	BATT BUTTON SPRING	
M204	636-103-6894	BATT BUTTON HOLDER[S700S S5700S]	
M205	636-102-7762	BATT TERMINAL E	
M206	636-102-7731	BATT TERMINAL D	
M207	636-102-7755	BATT TERMINAL C	
M208	636-102-7748	BATT TERMINAL F	
M209	636-104-8781	MAIN/LCD SPACER	
M210	636-103-5798	CONDENSER SHEET	
M211	636-103-0038	COMPL PWB CP-1	
M212	636-104-8804	MAIN SPACER A	
M213	636-104-8811	MAIN SPACER B	
M214	636-104-8866	MAIN SPACER C	
M215	636-105-0456	MAIN FLAME A	
M216	636-104-8750	MAIN FLAME B	
M217	636-104-8743	SHEET LCD HOLDER A	
M218	636-103-5934	SHEET LCD HOLDER B	
M219	636-102-7823	LCD HOLDER	
M220	645-091-8940	LCD	
M221	636-104-6930	LCD SPACER A	
M222	636-104-5612	SHEET SHADE	
M223	636-104-3977	CAUTION LABEL[EXCEPT F FX-S5700B F FX-S5700S]	
M224	636-104-6909	LCD SPACER B	
M225	636-104-7067	CABI BACK[S700S S5700S]	
M226	636-103-5132	BUTTON BASE[S700S S5700S]	
M227	636-102-7489	SELECT BUTTON	
M228	636-102-7816	MODE HOLDER PLATE	
M229	636-104-6008	SHEET MODE FPC	
M230	636-103-4357	MODE FPC	
M231	636-103-8874	SHEET MODE PLATE	
M232	636-102-7854	MODE DIAL SPRING	
M233	636-102-7847	MODE CLICK SPRING	
M234	636-103-5231	MODE DIAL HOLDER[S700S S5700S]	
M235	636-103-5187	CARD COVER[S700S S5700S]	
M236	636-090-7126	CARD LABEL	
M237	636-103-5248	MODE DIAL KNOB[S700S S5700S]	
M238	636-104-5995	ADHESIVE DEC MODE	
M239	636-103-5149	MODE LABEL[S700S S5700S]	
M240	636-104-7296	ADHESIVE EVF	
M241	636-102-7410	EVF EYECUP	
M242	411-195-2203	SCREW 1.4X2.5	
M243	411-177-6502	SCREW 1.7X4	
M244	411-177-7202	SCREW 1.7X3	
M245	312-063-6104	SPECIAL SCREW 1.7X3.0	
M246	411-178-9403	SCREW 1.7X4.0 [S700S S5700S]	
M247	411-190-2208	SCREW 1.4X3 [S700S S5700S]	
M248	411-180-1808	SCREW 1.7X6.0 [S700S S5700S]	
M249	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M250	636-105-1927	SPACER LCD BUFFER-SG1A4	

6. Parts List

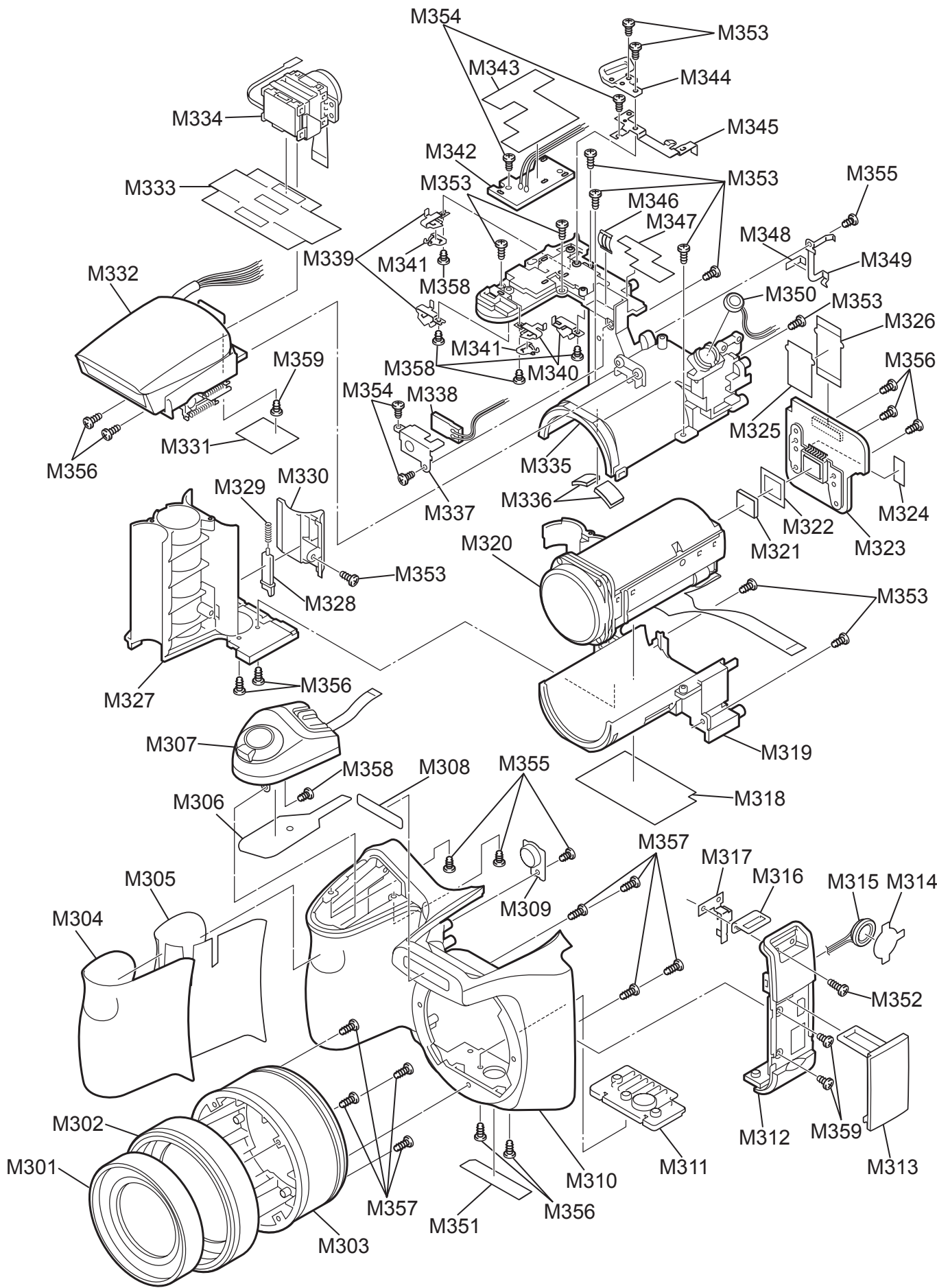
6-1-2-2. JP-model (S5700)



Ref No.	Parts No.	Description	Comment
M201	636-102-9735	BATTERY COVER BATTERY[S700S S5700S]	
M202	636-103-6887	BATT COVER BUTTON[S700S S5700S]	
M203	636-102-9841	BATT BUTTON SPRING	
M204	636-103-6894	BATT BUTTON HOLDER[S700S S5700S]	
M205	636-102-7762	BATT TERMINAL E	
M206	636-102-7731	BATT TERMINAL D	
M207	636-102-7755	BATT TERMINAL C	
M208	636-102-7748	BATT TERMINAL F	
M209	636-104-8781	MAIN/LCD SPACER	
M210	636-103-5798	CONDENSER SHEET	
M211	636-103-0038	COMPL PWB CP-1	
M212	636-104-8804	MAIN SPACER A	
M213	636-104-8811	MAIN SPACER B	
M214	636-104-8866	MAIN SPACER C	
M215	636-105-0456	MAIN FLAME A	
M216	636-104-8750	MAIN FLAME B	
M217	636-104-8743	SHEET LCD HOLDER A	
M218	636-103-5934	SHEET LCD HOLDER B	
M219	636-102-7823	LCD HOLDER	
M220	645-091-8940	LCD	
M221	636-104-6930	LCD SPACER A	
M222	636-104-5612	SHEET SHADE	
M223	636-104-3960	CAUTION LABEL[F FX-S5700B F FX-S5700S]	
M224	636-104-6909	LCD SPACER B	
M225	636-104-7067	CABI BACK[S700S S5700S]	
M226	636-103-5132	BUTTON BASE[S700S S5700S]	
M227	636-102-7489	SELECT BUTTON	
M228	636-102-7816	MODE HOLDER PLATE	
M229	636-104-6008	SHEET MODE FPC	
M230	636-103-4357	MODE FPC	
M231	636-103-8874	SHEET MODE PLATE	
M232	636-102-7854	MODE DIAL SPRING	
M233	636-102-7847	MODE CLICK SPRING	
M234	636-103-5231	MODE DIAL HOLDER[S700S S5700S]	
M235	636-103-5187	CARD COVER[S700S S5700S]	
M236	636-090-7126	CARD LABEL	
M237	636-103-5248	MODE DIAL KNOB[S700S S5700S]	
M238	636-104-5995	ADHESIVE DEC MODE	
M239	636-103-5149	MODE LABEL[S700S S5700S]	
M240	636-104-7296	ADHESIVE EVF	
M241	636-102-7410	EVF EYECUP	
M242	411-195-2203	SCREW 1.4X2.5	
M243	411-177-6502	SCREW 1.7X4	
M244	411-177-7202	SCREW 1.7X3	
M245	312-063-6104	SPECIAL SCREW 1.7X3.0	
M246	411-178-9403	SCREW 1.7X4.0 [S700S S5700S]	
M247	411-190-2208	SCREW 1.4X3 [S700S S5700S]	
M248	411-180-1808	SCREW 1.7X6.0 [S700S S5700S]	
M249	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M250	636-105-1927	SPACER LCD BUFFER-SG1A4	

6. Parts List

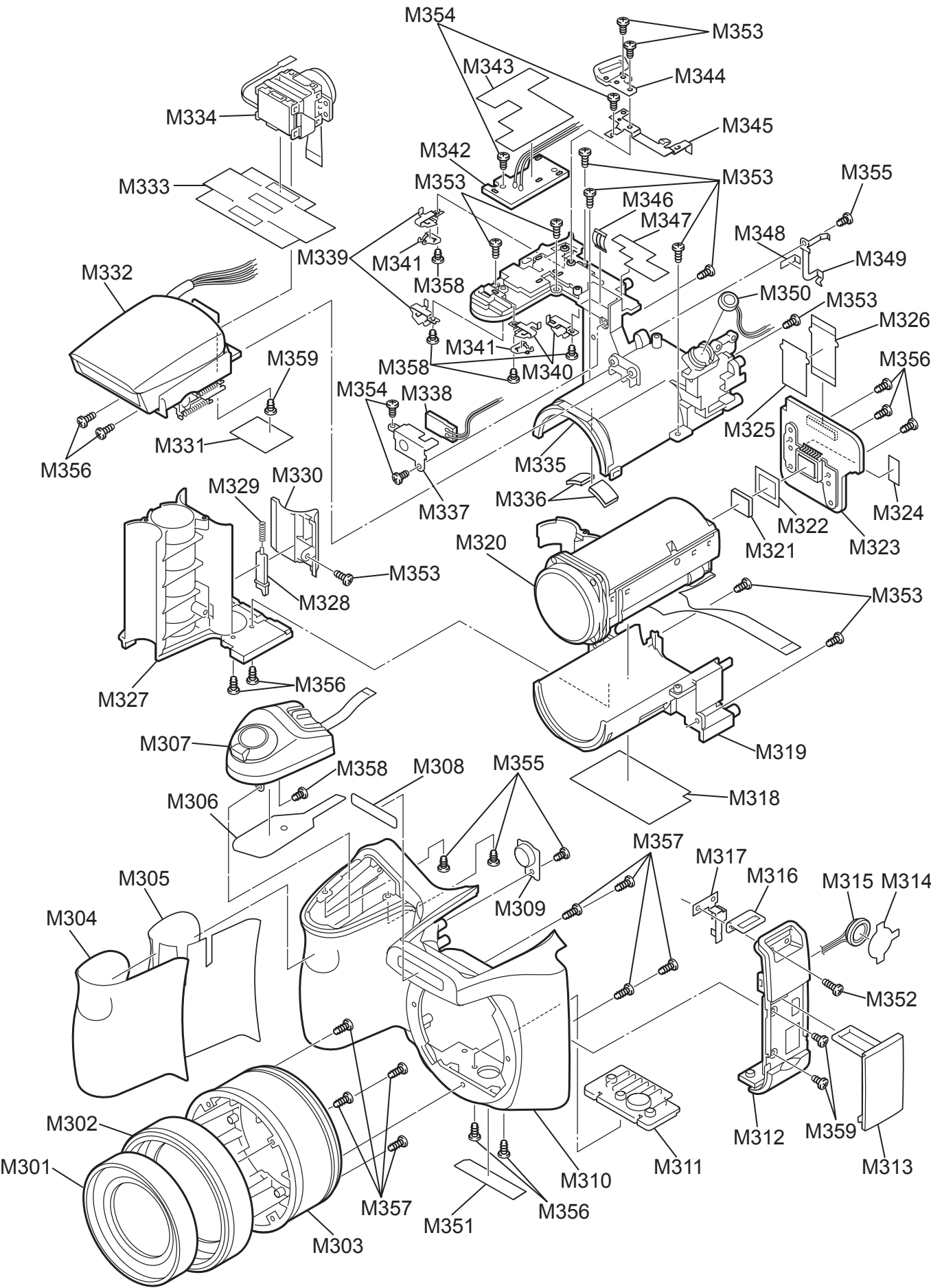
6-1-3. Mechanical Block 2
6-1-3-1. US-model (S700)



Ref No.	Parts No.	Description	Comment
M301	636-102-7458	LENS RING TOP	
M302	636-102-6499	LENS RING MIDDLE	
M303	636-103-5118	LENS RING BOTTOM[S700S S5700S]	
M304	636-102-7380	FRONT GRIP	
M305	636-104-5766	ADHESIVE GRIP FRONT	
M306	636-102-9780	ZOOM SW UNIT SHEET	
M307	645-092-7676	ZOOM SW UNIT[S700S S5700S]	
M308	636-103-6917	LOGO BADGE[S700S S5700S]	
M309	636-102-7397	AF LED COVER	
M310	636-102-9711	CABI FRONT[S700S S5700S]	
M311	636-103-5125	STAND[S700S S5700S]	
M312	636-102-7434	SIDE CABI	
M313	636-102-7533	JACK COVER	
M314	636-104-5964	SPEAKER SHEET	
M315	645-088-3484	SPEAKER	
M316	636-102-7809	STRAP LENS HOLDER	
M317	636-102-7717	STRAP EARTH	
M318	636-103-5941	SHEET LENS FPC	
M319	636-103-5224	LENS HOLDER BOTTOM[S700S S5700S]	
M320	645-092-1339	LENS ASSY	
M321	645-092-7911	OPTICAL FILTER	
M322	636-089-8745	MASK	
M323	636-104-8538	COMPL PWB CA-1	
M324	636-104-8774	CCD SPACER	
M325	636-104-5575	SHIELD TAPE (FPC)	
M326	636-103-9765	FLEXIBLE PWB	
M327	636-103-5200	BATTERY HOLDER[S700S S5700S]	
M328	636-103-6900	BATT LOCK KNOB[S700S S5700S]	
M329	636-102-9858	BATT KNOB SPRING	
M330	636-103-5194	BATT COVER KNOB[S700S S5700S]	
M331	636-103-8904	SHEET EVF B	
M332	636-104-8323	FLASH ASSY[S700S]	
M333	636-103-8881	SHEET EVF A	
M334	645-092-2756	EVF UNIT	
M335	636-103-5217	LENS HOLDER TOP [S700S S5700S]	
M336	636-103-5965	LENS SPACER	
M337	636-102-7601	AF LED HOLDER	
M338	636-102-6208	COMPL PWB TB-1	
M339	636-102-7779	BATT TERMINAL A	
M340	636-102-7786	BATT TERMINAL B	
M341	636-100-1137	BATT COVER TERMINAL	
M342	636-102-6185	COMPL PWB PW-1	
M343	636-104-5988	SHEET LEAD POWER	
M344	636-102-7793	STRAP GRIP HOLDER	
M345	636-102-7700	STRAP GRIP EARTH	
M346	636-102-7830	AF LED SPRING	
M347	636-103-5958	AF LED SHEET	
M348	636-103-8928	SHEET	
M349	636-102-7724	EARTH PLATE	
M350	645-079-9600	MICROPHONE	
M351	636-104-3465	PRODUCT LABEL US	
M352	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M353	411-177-6502	SCREW 1.7X4	
M354	411-177-7202	SCREW 1.7X3	
M355	411-190-2208	SCREW 1.4X3	
M356	411-178-9403	SCREW 1.7X4.0	
M357	411-180-1808	SCREW 1.7X6.0	
M358	411-177-8100	SCREW 1.7X2.5	
M359	411-192-4200	SCREW 1.7X3.0	

6. Parts List

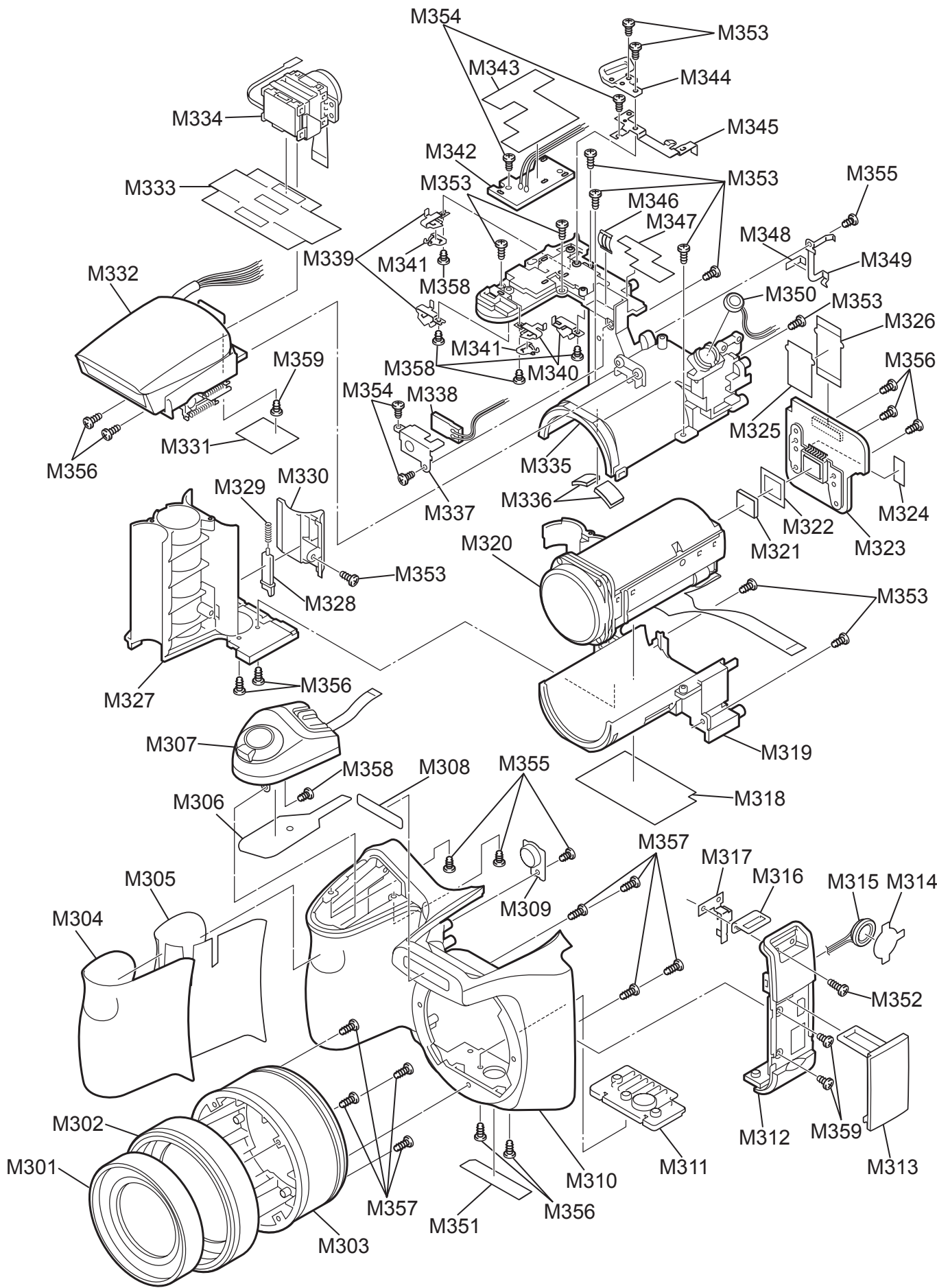
6-1-3-2. EU/EG/EE-model (S5700)



Ref No.	Parts No.	Description	Comment
M301	636-102-7458	LENS RING TOP	
M302	636-102-6499	LENS RING MIDDLE	
M303	636-103-5118	LENS RING BOTTOM[S700S S5700S]	
M304	636-102-7380	FRONT GRIP	
M305	636-104-5766	ADHESIVE GRIP FRONT	
M306	636-102-9780	ZOOM SW UNIT SHEET	
M307	645-092-7676	ZOOM SW UNIT[S700S S5700S]	
M308	636-103-6917	LOGO BADGE[S700S S5700S]	
M309	636-102-7397	AF LED COVER	
M310	636-102-9711	CABI FRONT[S700S S5700S]	
M311	636-103-5125	STAND[S700S S5700S]	
M312	636-102-7434	SIDE CABI	
M313	636-102-7533	JACK COVER	
M314	636-104-5964	SPEAKER SHEET	
M315	645-088-3484	SPEAKER	
M316	636-102-7809	STRAP LENS HOLDER	
M317	636-102-7717	STRAP EARTH	
M318	636-103-5941	SHEET LENS FPC	
M319	636-103-5224	LENS HOLDER BOTTOM[S700S S5700S]	
M320	645-092-1339	LENS ASSY	
M321	645-092-7911	OPTICAL FILTER	
M322	636-089-8745	MASK	
M323	636-104-8538	COMPL PWB CA-1	
M324	636-104-8774	CCD SPACER	
M325	636-104-5575	SHIELD TAPE (FPC)	
M326	636-103-9765	FLEXIBLE PWB	
M327	636-103-5200	BATTERY HOLDER[S700S S5700S]	
M328	636-103-6900	BATT LOCK KNOB[S700S S5700S]	
M329	636-102-9858	BATT KNOB SPRING	
M330	636-103-5194	BATT COVER KNOB[S700S S5700S]	
M331	636-103-8904	SHEET EVF B	
M332	636-104-8309	FLASH ASSY[S5700S]	
M333	636-103-8881	SHEET EVF A	
M334	645-092-2756	EVF UNIT	
M335	636-103-5217	LENS HOLDER TOP [S700S S5700S]	
M336	636-103-5965	LENS SPACER	
M337	636-102-7601	AF LED HOLDER	
M338	636-102-6208	COMPL PWB TB-1	
M339	636-102-7779	BATT TERMINAL A	
M340	636-102-7786	BATT TERMINAL B	
M341	636-100-1137	BATT COVER TERMINAL	
M342	636-102-6185	COMPL PWB PW-1	
M343	636-104-5988	SHEET LEAD POWER	
M344	636-102-7793	STRAP GRIP HOLDER	
M345	636-102-7700	STRAP GRIP EARTH	
M346	636-102-7830	AF LED SPRING	
M347	636-103-5958	AF LED SHEET	
M348	636-103-8928	SHEET	
M349	636-102-7724	EARTH PLATE	
M350	645-079-9600	MICROPHONE	
M351	636-103-6733	PRODUCT LABEL (WEEE)	
M352	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M353	411-177-6502	SCREW 1.7X4	
M354	411-177-7202	SCREW 1.7X3	
M355	411-190-2208	SCREW 1.4X3	
M356	411-178-9403	SCREW 1.7X4.0	
M357	411-180-1808	SCREW 1.7X6.0	
M358	411-177-8100	SCREW 1.7X2.5	
M359	411-192-4200	SCREW 1.7X3.0	

6. Parts List

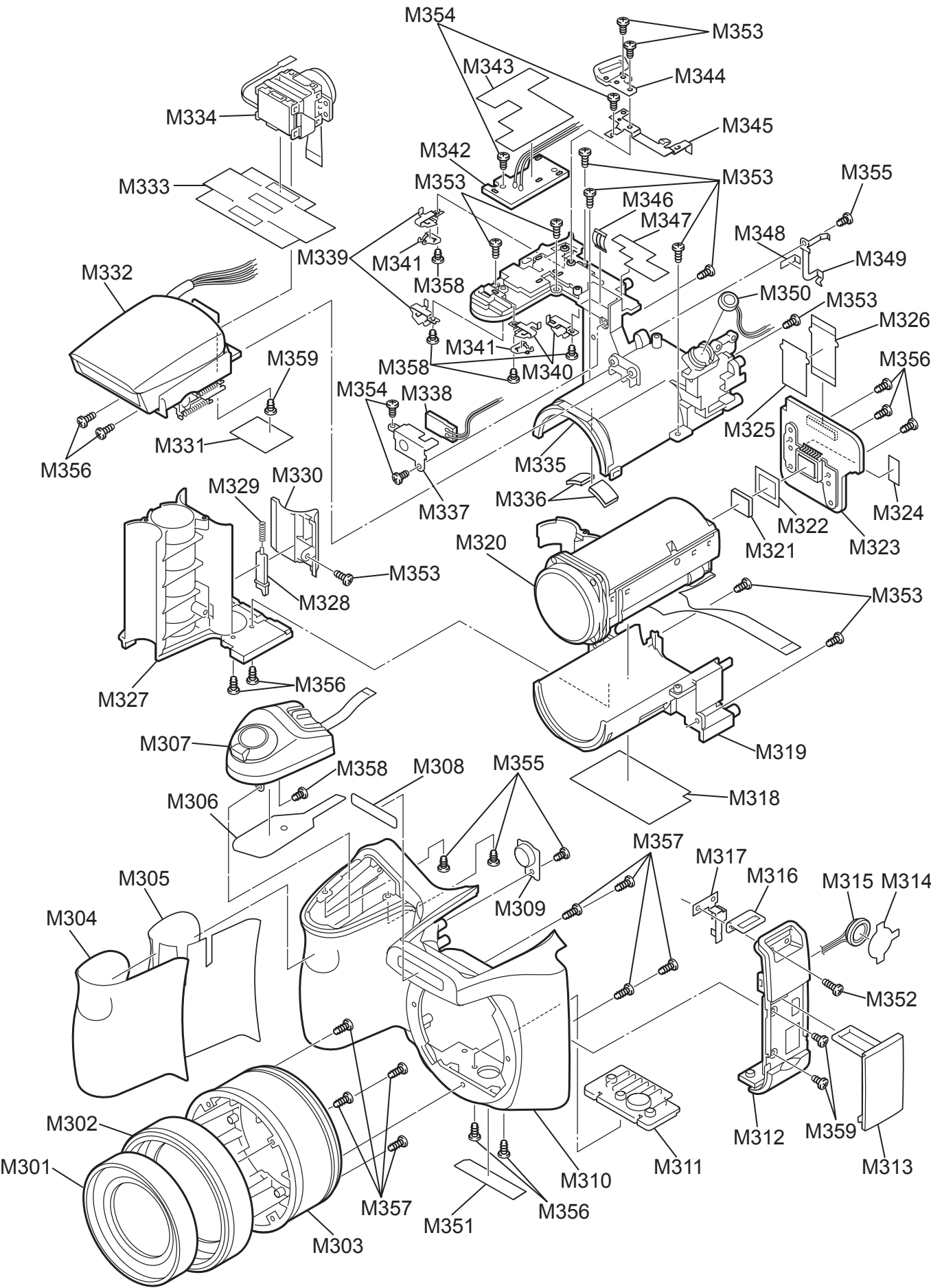
6-1-3-3. CH-model (S5700)



Ref No.	Parts No.	Description	Comment
M301	636-102-7458	LENS RING TOP	
M302	636-102-6499	LENS RING MIDDLE	
M303	636-103-5118	LENS RING BOTTOM[S700S S5700S]	
M304	636-102-7380	FRONT GRIP	
M305	636-104-5766	ADHESIVE GRIP FRONT	
M306	636-102-9780	ZOOM SW UNIT SHEET	
M307	645-092-7676	ZOOM SW UNIT[S700S S5700S]	
M308	636-103-6917	LOGO BADGE[S700S S5700S]	
M309	636-102-7397	AF LED COVER	
M310	636-102-9711	CABI FRONT[S700S S5700S]	
M311	636-103-5125	STAND[S700S S5700S]	
M312	636-102-7434	SIDE CABI	
M313	636-102-7533	JACK COVER	
M314	636-104-5964	SPEAKER SHEET	
M315	645-088-3484	SPEAKER	
M316	636-102-7809	STRAP LENS HOLDER	
M317	636-102-7717	STRAP EARTH	
M318	636-103-5941	SHEET LENS FPC	
M319	636-103-5224	LENS HOLDER BOTTOM[S700S S5700S]	
M320	645-092-1339	LENS ASSY	
M321	645-092-7911	OPTICAL FILTER	
M322	636-089-8745	MASK	
M323	636-104-8538	COMPL PWB CA-1	
M324	636-104-8774	CCD SPACER	
M325	636-104-5575	SHIELD TAPE (FPC)	
M326	636-103-9765	FLEXIBLE PWB	
M327	636-103-5200	BATTERY HOLDER[S700S S5700S]	
M328	636-103-6900	BATT LOCK KNOB[S700S S5700S]	
M329	636-102-9858	BATT KNOB SPRING	
M330	636-103-5194	BATT COVER KNOB[S700S S5700S]	
M331	636-103-8904	SHEET EVF B	
M332	636-104-8309	FLASH ASSY[S5700S]	
M333	636-103-8881	SHEET EVF A	
M334	645-092-2756	EVF UNIT	
M335	636-103-5217	LENS HOLDER TOP [S700S S5700S]	
M336	636-103-5965	LENS SPACER	
M337	636-102-7601	AF LED HOLDER	
M338	636-102-6208	COMPL PWB TB-1	
M339	636-102-7779	BATT TERMINAL A	
M340	636-102-7786	BATT TERMINAL B	
M341	636-100-1137	BATT COVER TERMINAL	
M342	636-102-6185	COMPL PWB PW-1	
M343	636-104-5988	SHEET LEAD POWER	
M344	636-102-7793	STRAP GRIP HOLDER	
M345	636-102-7700	STRAP GRIP EARTH	
M346	636-102-7830	AF LED SPRING	
M347	636-103-5958	AF LED SHEET	
M348	636-103-8928	SHEET	
M349	636-102-7724	EARTH PLATE	
M350	645-079-9600	MICROPHONE	
M351	636-104-3472	PRODUCT LABEL C	
M352	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M353	411-177-6502	SCREW 1.7X4	
M354	411-177-7202	SCREW 1.7X3	
M355	411-190-2208	SCREW 1.4X3	
M356	411-178-9403	SCREW 1.7X4.0	
M357	411-180-1808	SCREW 1.7X6.0	
M358	411-177-8100	SCREW 1.7X2.5	
M359	411-192-4200	SCREW 1.7X3.0	

6. Parts List

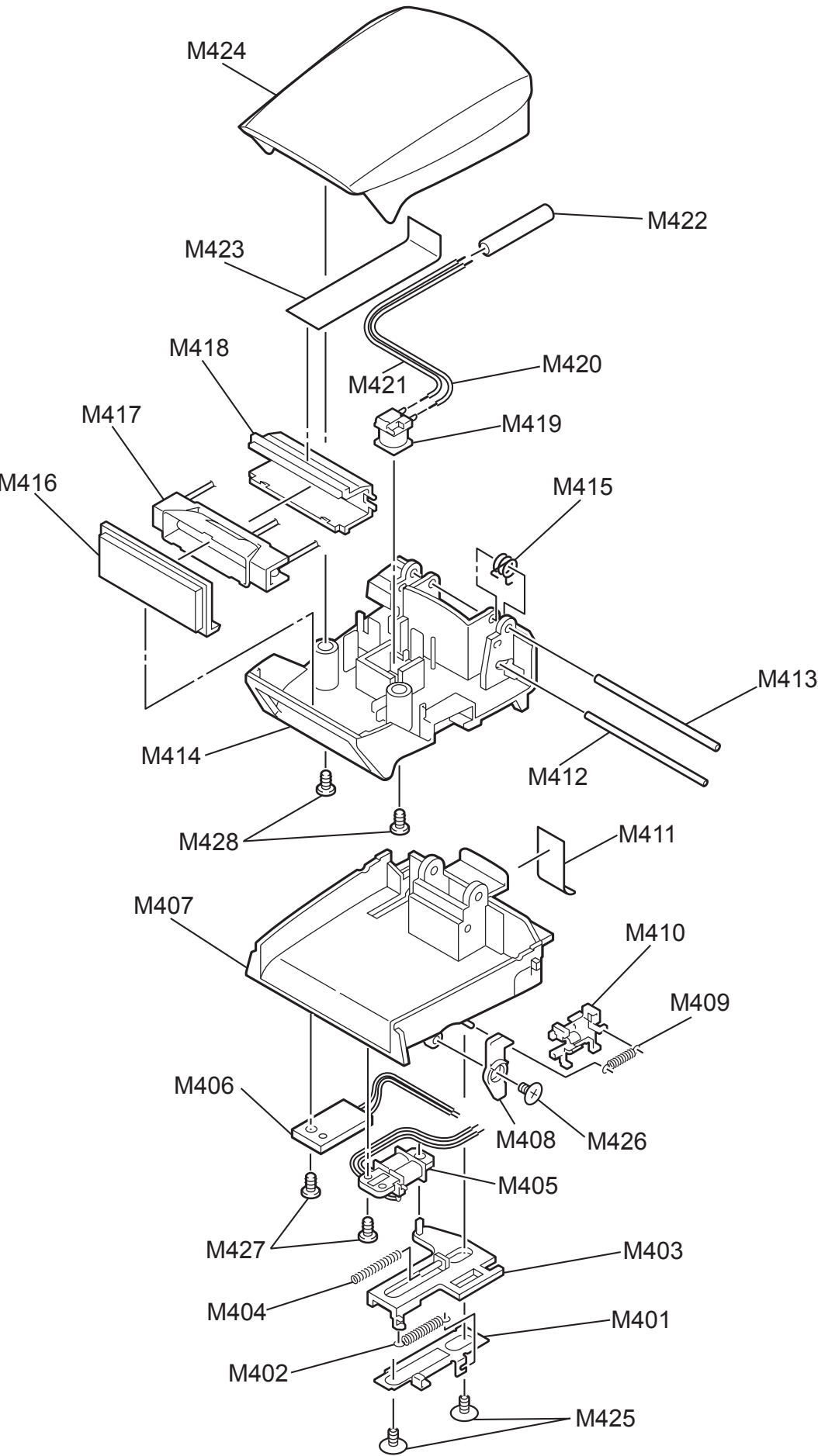
6-1-3-4. AS/JP-model (S5700)



Ref No.	Parts No.	Description	Comment
M301	636-102-7458	LENS RING TOP	
M302	636-102-6499	LENS RING MIDDLE	
M303	636-103-5118	LENS RING BOTTOM[S700S S5700S]	
M304	636-102-7380	FRONT GRIP	
M305	636-104-5766	ADHESIVE GRIP FRONT	
M306	636-102-9780	ZOOM SW UNIT SHEET	
M307	645-092-7676	ZOOM SW UNIT[S700S S5700S]	
M308	636-103-6917	LOGO BADGE[S700S S5700S]	
M309	636-102-7397	AF LED COVER	
M310	636-102-9711	CABI FRONT[S700S S5700S]	
M311	636-103-5125	STAND[S700S S5700S]	
M312	636-102-7434	SIDE CABI	
M313	636-102-7533	JACK COVER	
M314	636-104-5964	SPEAKER SHEET	
M315	645-088-3484	SPEAKER	
M316	636-102-7809	STRAP LENS HOLDER	
M317	636-102-7717	STRAP EARTH	
M318	636-103-5941	SHEET LENS FPC	
M319	636-103-5224	LENS HOLDER BOTTOM[S700S S5700S]	
M320	645-092-1339	LENS ASSY	
M321	645-092-7911	OPTICAL FILTER	
M322	636-089-8745	MASK	
M323	636-104-8538	COMPL PWB CA-1	
M324	636-104-8774	CCD SPACER	
M325	636-104-5575	SHIELD TAPE (FPC)	
M326	636-103-9765	FLEXIBLE PWB	
M327	636-103-5200	BATTERY HOLDER[S700S S5700S]	
M328	636-103-6900	BATT LOCK KNOB[S700S S5700S]	
M329	636-102-9858	BATT KNOB SPRING	
M330	636-103-5194	BATT COVER KNOB[S700S S5700S]	
M331	636-103-8904	SHEET EVF B	
M332	636-104-8309	FLASH ASSY[S5700S]	
M333	636-103-8881	SHEET EVF A	
M334	645-092-2756	EVF UNIT	
M335	636-103-5217	LENS HOLDER TOP [S700S S5700S]	
M336	636-103-5965	LENS SPACER	
M337	636-102-7601	AF LED HOLDER	
M338	636-102-6208	COMPL PWB TB-1	
M339	636-102-7779	BATT TERMINAL A	
M340	636-102-7786	BATT TERMINAL B	
M341	636-100-1137	BATT COVER TERMINAL	
M342	636-102-6185	COMPL PWB PW-1	
M343	636-104-5988	SHEET LEAD POWER	
M344	636-102-7793	STRAP GRIP HOLDER	
M345	636-102-7700	STRAP GRIP EARTH	
M346	636-102-7830	AF LED SPRING	
M347	636-103-5958	AF LED SHEET	
M348	636-103-8928	SHEET	
M349	636-102-7724	EARTH PLATE	
M350	645-079-9600	MICROPHONE	
M351	636-103-6726	PRODUCT LABEL	
M352	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M353	411-177-6502	SCREW 1.7X4	
M354	411-177-7202	SCREW 1.7X3	
M355	411-190-2208	SCREW 1.4X3	
M356	411-178-9403	SCREW 1.7X4.0	
M357	411-180-1808	SCREW 1.7X6.0	
M358	411-177-8100	SCREW 1.7X2.5	
M359	411-192-4200	SCREW 1.7X3.0	

6. Parts List

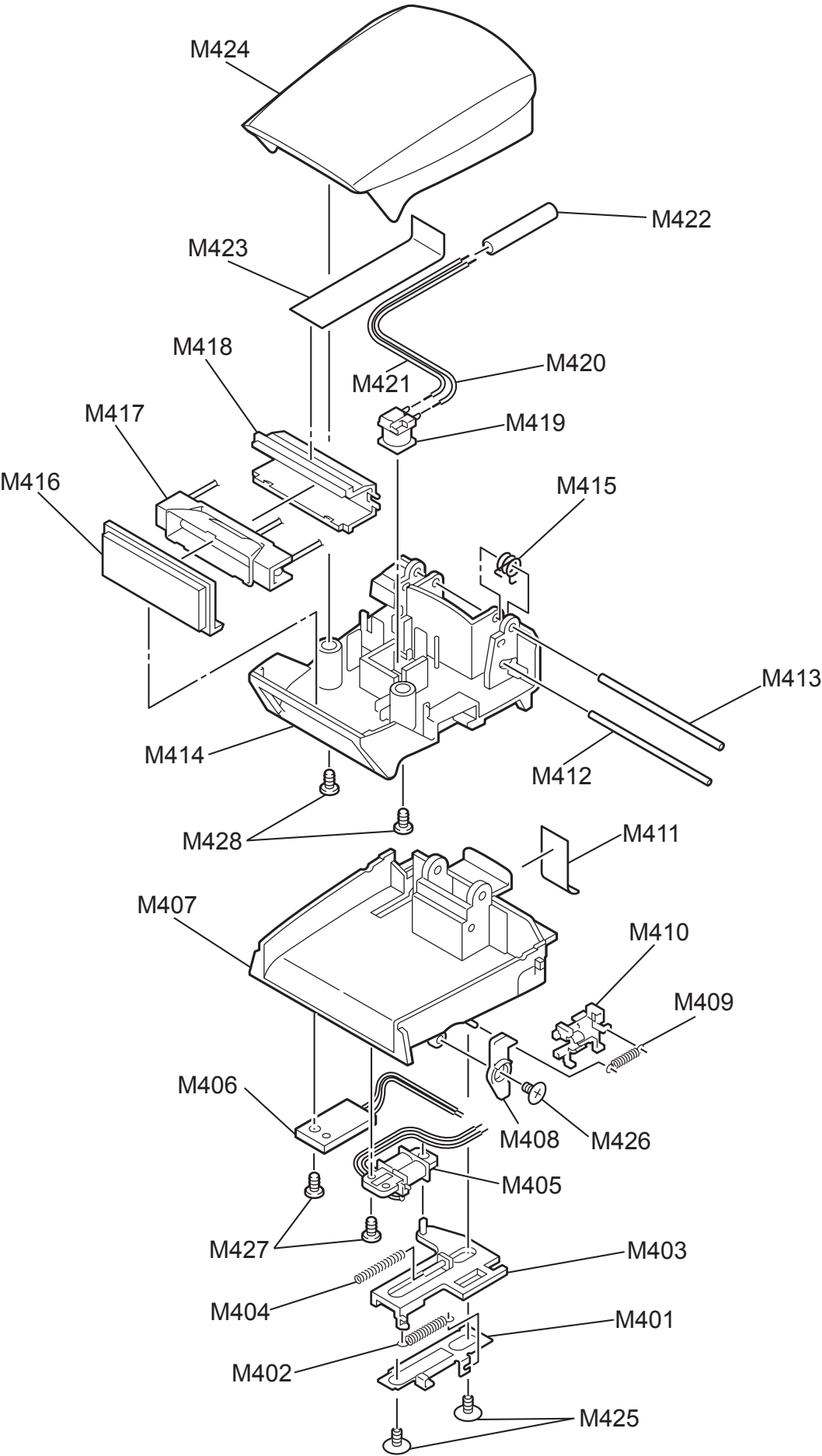
6-1-4. Flash Block
6-1-4-1. US-model (S700)



Ref No.	Parts No.	Description	Comment
M401	636-102-7861	SLIDE PLATE	
M402	636-104-9344	LOCK SPRING	
M403	636-102-7632	ST SLIDE HOLDER	
M404	636-104-6572	SORENOIDE SPRING	
M405	645-092-5733	SLD UNIT	
M406	636-102-6215	COMPL PWB TB-2	
M407	636-103-5163	ST HOLDER [S700S S5700S]	
M408	636-103-5170	ST LOCK LEVER[S700S S5700S]	
M409	636-104-6541	RETURN SPRING	
M410	636-102-7649	SLIDE RETURN HOLDER	
M411	636-104-5759	SHEET ST B	
M412	636-073-6535	ST COVER SHAFT	
M413	636-102-9919	ST SHAFT	
M414	636-103-5156	ST COVER BOTTOM[S700S S5700S]	
M415	636-104-6589	ST POP SPRING	
M416	636-103-2391	FLASH COVER	
M417	645-092-1384	LAMP ASSY	
M418	636-102-7618	FLASH HOLDER	
M419	645-069-2413	TRANS	
M420	636-102-4679	WIRE TRIG IN	
M421	636-102-4686	WIRE TRIG GND	
M422	613-212-7677	SI TUBE	
M423	636-103-8911	SHEET ST A	
M424	636-103-7914	ST COVER TOP[S700S]	
M425	312-066-9607	SPECIAL SCREW 1.7X3.0	
M426	312-072-4702	SPECIAL SCREW 1.4X2.0	
M427	411-190-2208	SCREW 1.4X3	
M428	411-178-9403	SCREW 1.7X4.0[S700S, S5700S]	

6. Parts List

6-1-4-2. EU/EG/EE/AS/CH/JP-model (S5700)

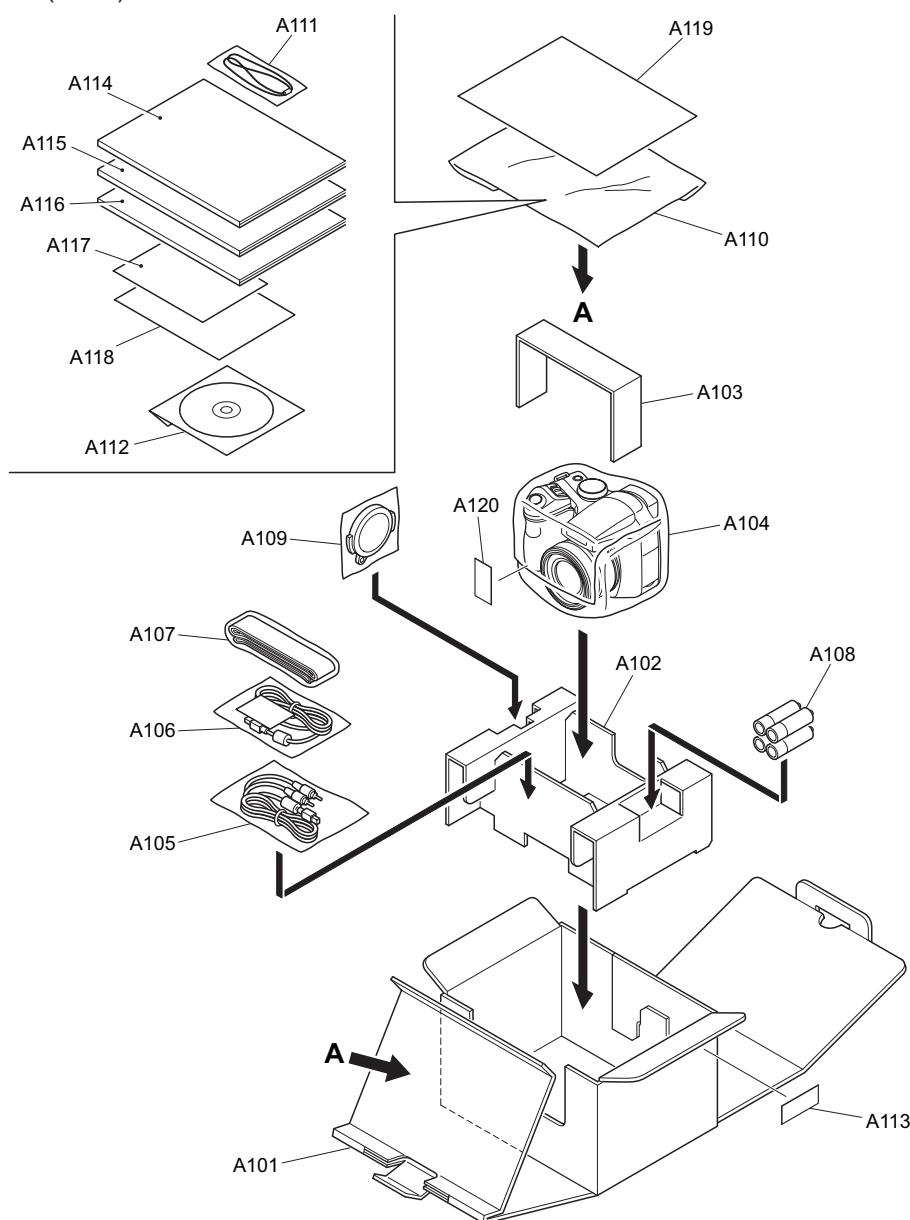


Ref No.	Parts No.	Description	Comment
M401	636-102-7861	SLIDE PLATE	
M402	636-104-9344	LOCK SPRING	
M403	636-102-7632	ST SLIDE HOLDER	
M404	636-104-6572	SORENOIDE SPRING	
M405	645-092-5733	SLD UNIT	
M406	636-102-6215	COMPL PWB TB-2	
M407	636-103-5163	ST HOLDER [S700S S5700S]	
M408	636-103-5170	ST LOCK LEVER[S700S S5700S]	
M409	636-104-6541	RETURN SPRING	
M410	636-102-7649	SLIDE RETURN HOLDER	
M411	636-104-5759	SHEET ST B	
M412	636-073-6535	ST COVER SHAFT	
M413	636-102-9919	ST SHAFT	
M414	636-103-5156	ST COVER BOTTOM[S700S S5700S]	
M415	636-104-6589	ST POP SPRING	
M416	636-103-2391	FLASH COVER	
M417	645-092-1384	LAMP ASSY	
M418	636-102-7618	FLASH HOLDER	
M419	645-069-2413	TRANS	
M420	636-102-4679	WIRE TRIG IN	
M421	636-102-4686	WIRE TRIG GND	
M422	613-212-7677	SI TUBE	
M423	636-103-8911	SHEET ST A	
M424	636-102-9742	ST COVER TOP[S5700S]	
M425	312-066-9607	SPECIAL SCREW 1.7X3.0	
M426	312-072-4702	SPECIAL SCREW 1.4X2.0	
M427	411-190-2208	SCREW 1.4X3	
M428	411-178-9403	SCREW 1.7X4.0[S700S, S5700S]	

6-2. Black model

6-2-1. Packing and Accessories

6-2-1-1. US-model (S700)



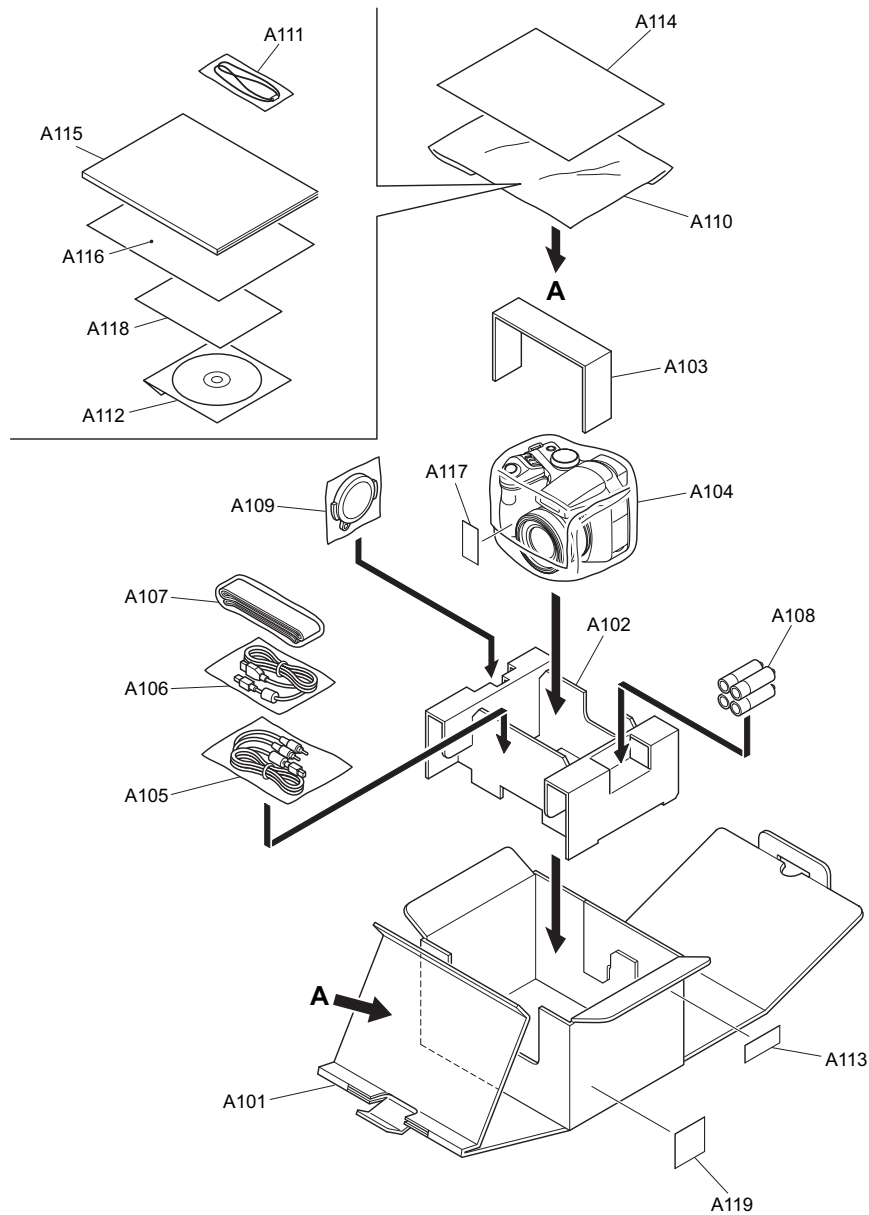
Ref No.	Parts No.	Description	Comment
A101	636-104-4172	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	636-102-5485	MANUAL E	
A115	636-102-5508	QUICKGUIDE E	

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6-2-1-2. EU-model (S5700)

6-18

6-2-1-3. EG-model (S5700)

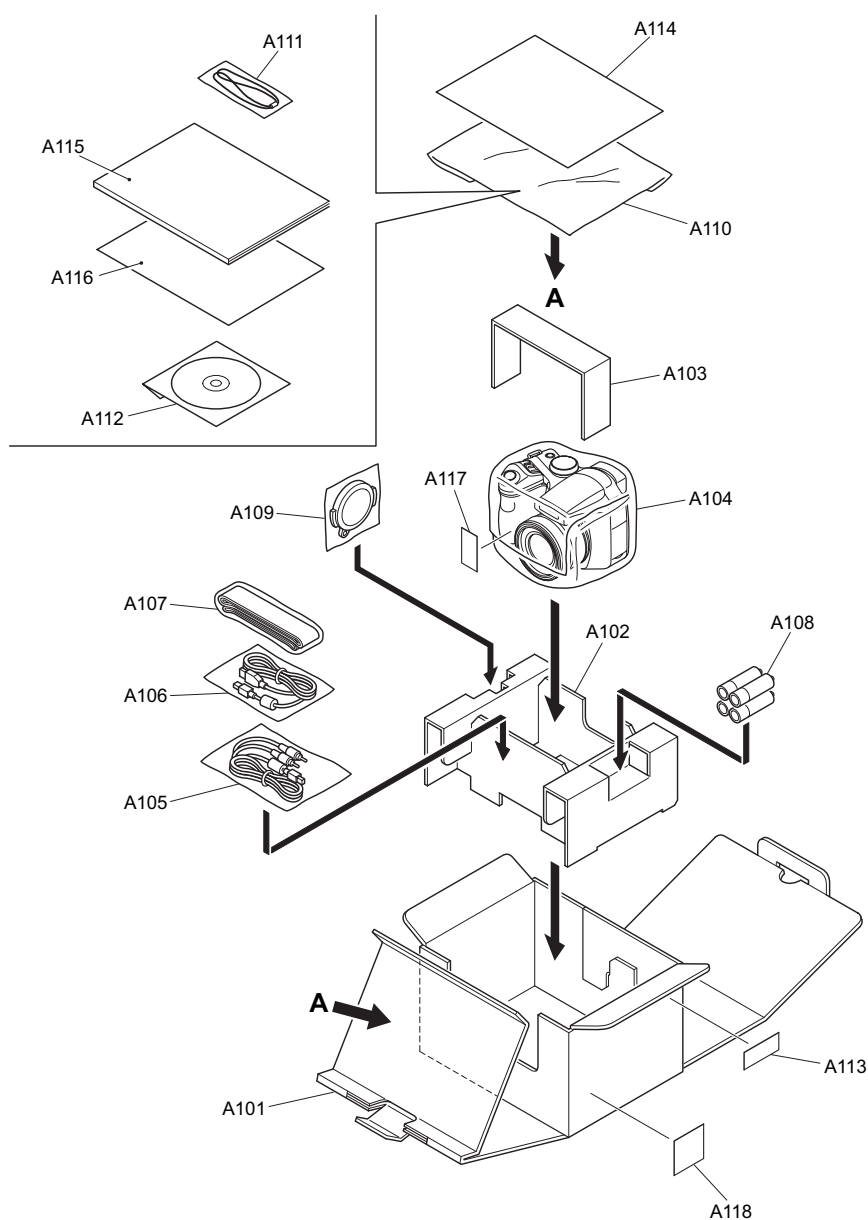


Ref No.	Parts No.	Description	Comment
A101	636-102-8516	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	BL00632-100	INSERTION	
A115	636-102-5485	MANUAL E	

Ref No.	Parts No.	Description	Comment
A116	636-102-5508	QUICKGUIDE E	
A117	636-092-5526	CONFIRMATION LABEL	
A118	636-104-3205	WARRANTY CARD EG	
A119	636-104-5568	DEST.LBL.EG	

6. Parts List

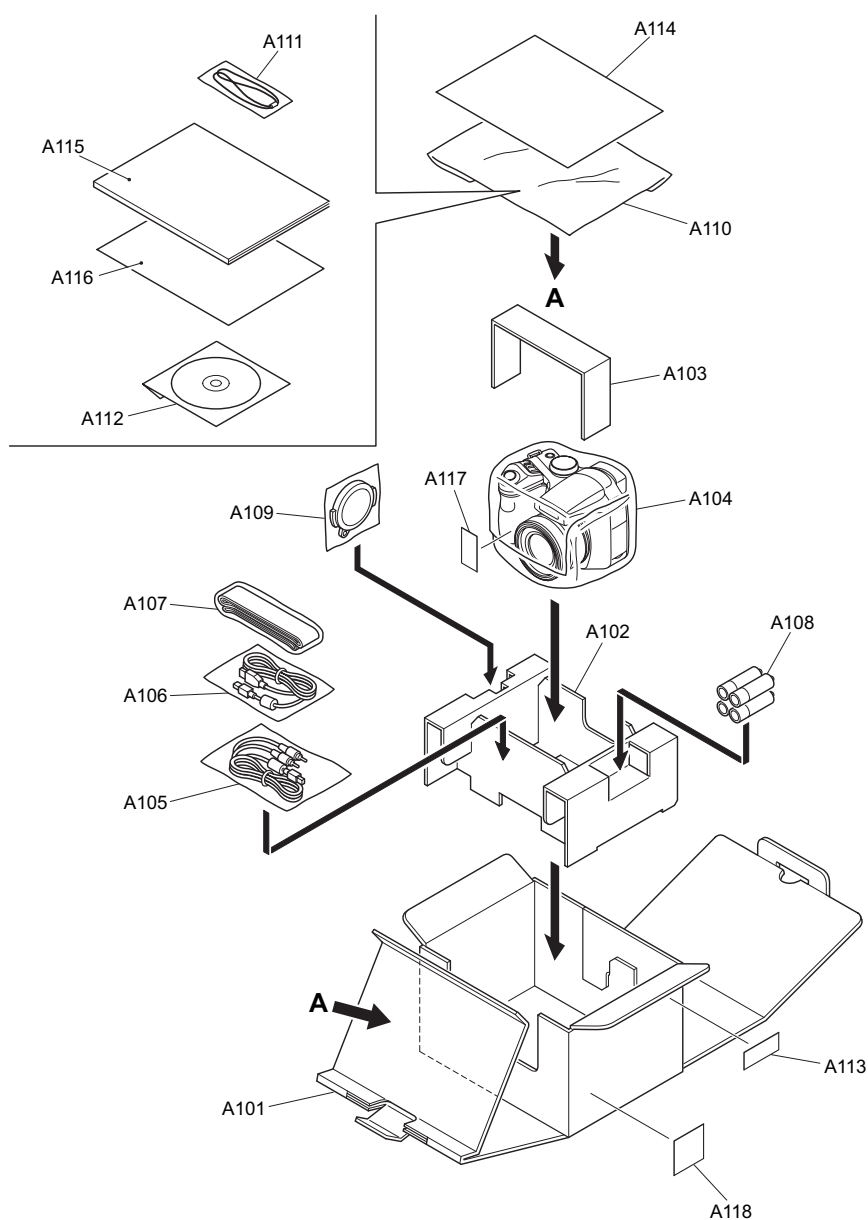
6-2-1-4. EE-model (S5700)



Ref No.	Parts No.	Description	Comment
A101	636-102-8516	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	BL00632-100	INSERTION	
A115	636-102-5485	MANUAL E	

Ref No.	Parts No.	Description	Comment
A116	636-102-5508	QUICKGUIDE E	
A117	636-092-5526	CONFIRMATION LABEL	
A118	636-104-5544	DEST.LBL.EE	

6-2-1-5. AS-model (S5700)



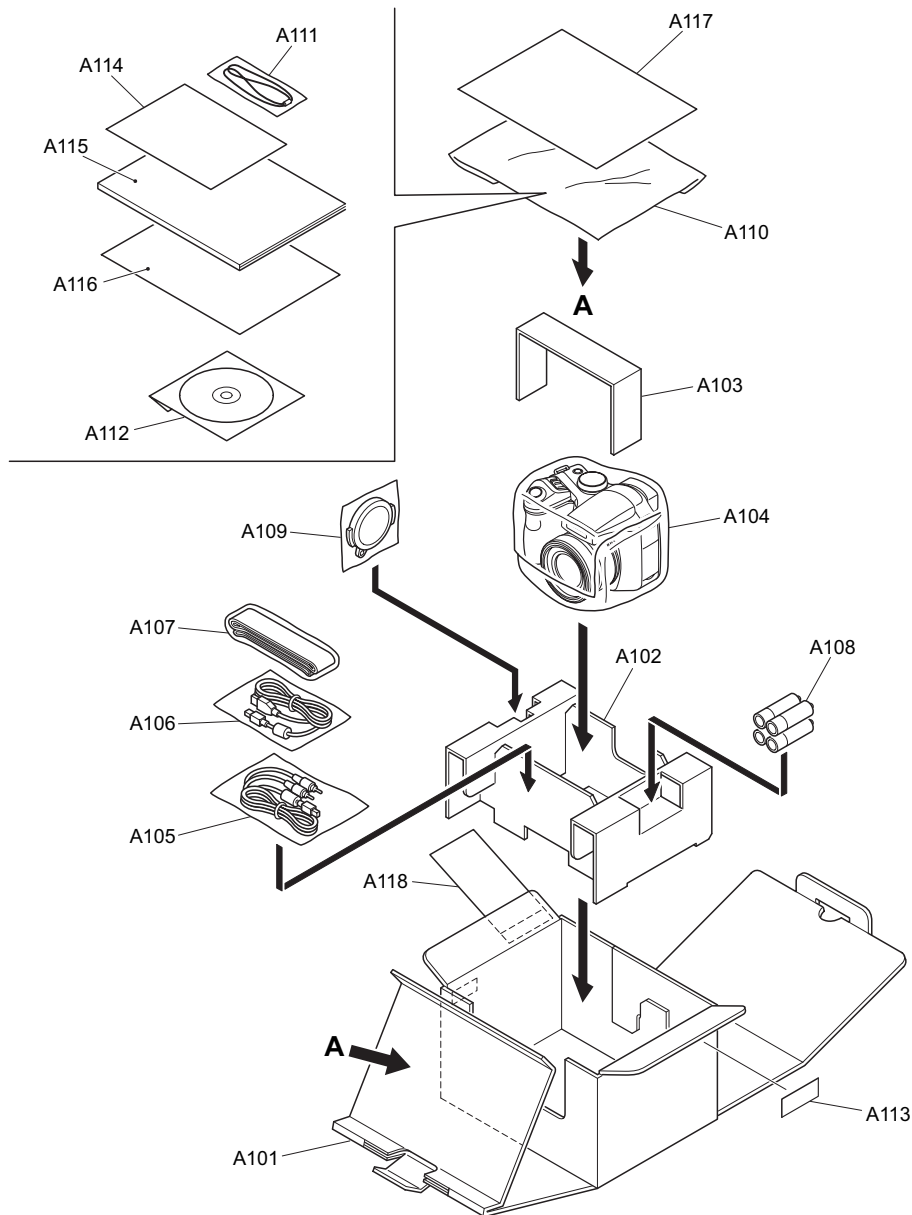
Ref No.	Parts No.	Description	Comment
A101	636-102-8516	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-086-2106	USB Cable(TAG)	
A107	636-102-8455	STRAP	
A108	FZ06487-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	BL00632-100	INSERTION	
A115	636-102-5485	MANUAL E	

Ref No.	Parts No.	Description	Comment
A116	636-102-5508	QUICKGUIDE E	
A117	636-092-5526	CONFIRMATION LABEL	
A118	636-104-5506	DEST.LBL.AS	

6-2-1-6. CH-model (S5700)

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6-2-1-7. JP-model (S5700)



Ref No.	Parts No.	Description	Comment
A101	636-103-6627	UNITARY BOX	
A102	636-102-8592	INNER PAD A	
A103	636-104-9481	INNER PAD P	
A104	636-101-4823	HDPE BAG	
A105	645-083-3823	AV CABLE	
A106	645-083-3816	USB Cable	
A107	636-102-8455	STRAP	
A108	FZ06486-100	ALKALINE BATTERY	
A109	636-103-6870	LENS CAP	
A110	636-058-6888	BAG POLY-INST	
A111	636-077-1093	LENS CAP STRING	
A112	645-093-2403	Software(CD-ROM)	
A113	636-092-5427	BAR CODE LABEL	
A114	BL00575-101	PTF GUIDE FPV	
A115	636-102-5478	MANUAL J	

Ref No.	Parts No.	Description	Comment
A116	636-104-3212	NSTRUCTION MANUAL	
A117	BL00632-100	INSERTION	
A118	BB18949-103	WARRANTY CARD	

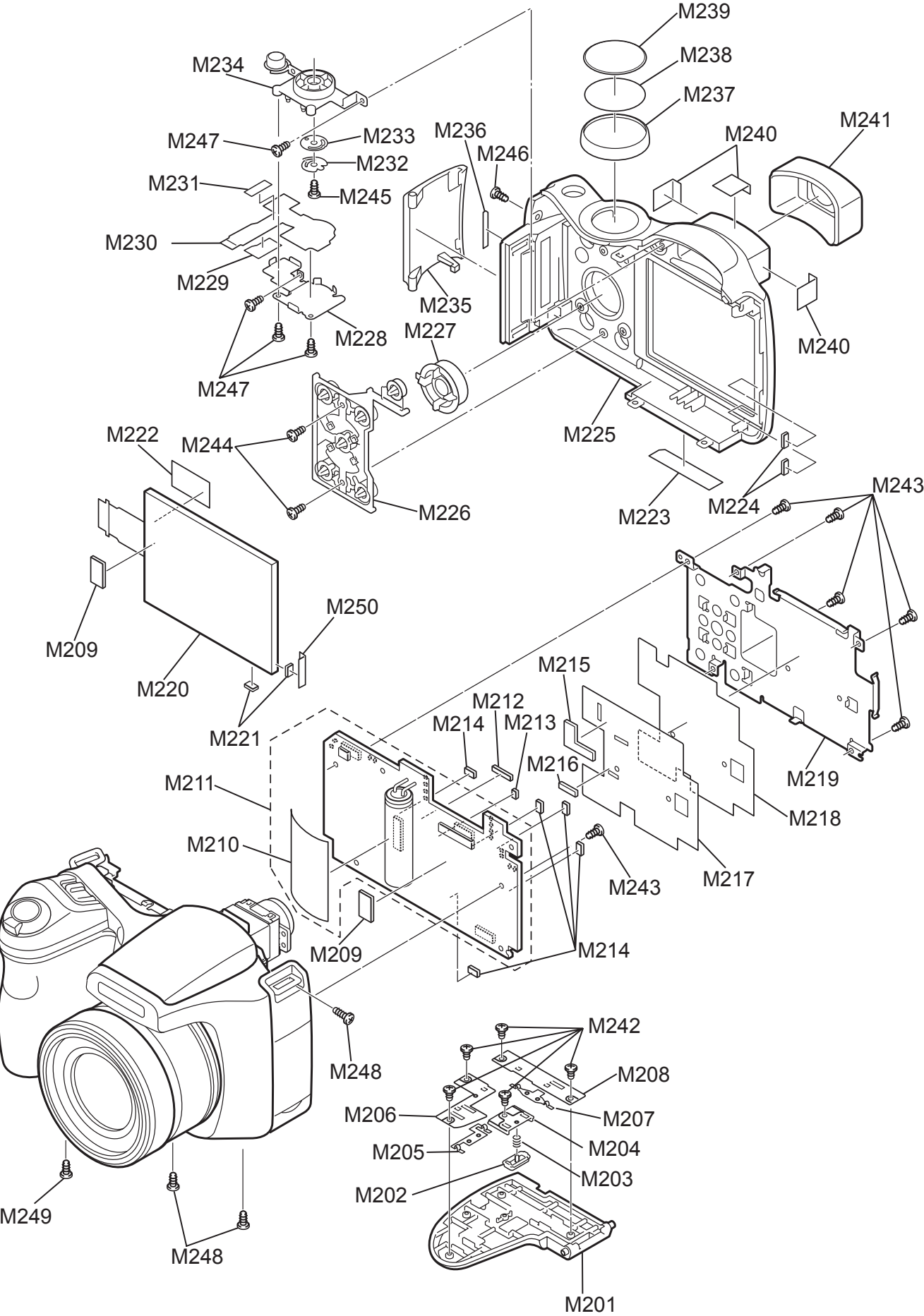
6. Parts List

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6. Parts List

6-2-2. Mechanical Block 1

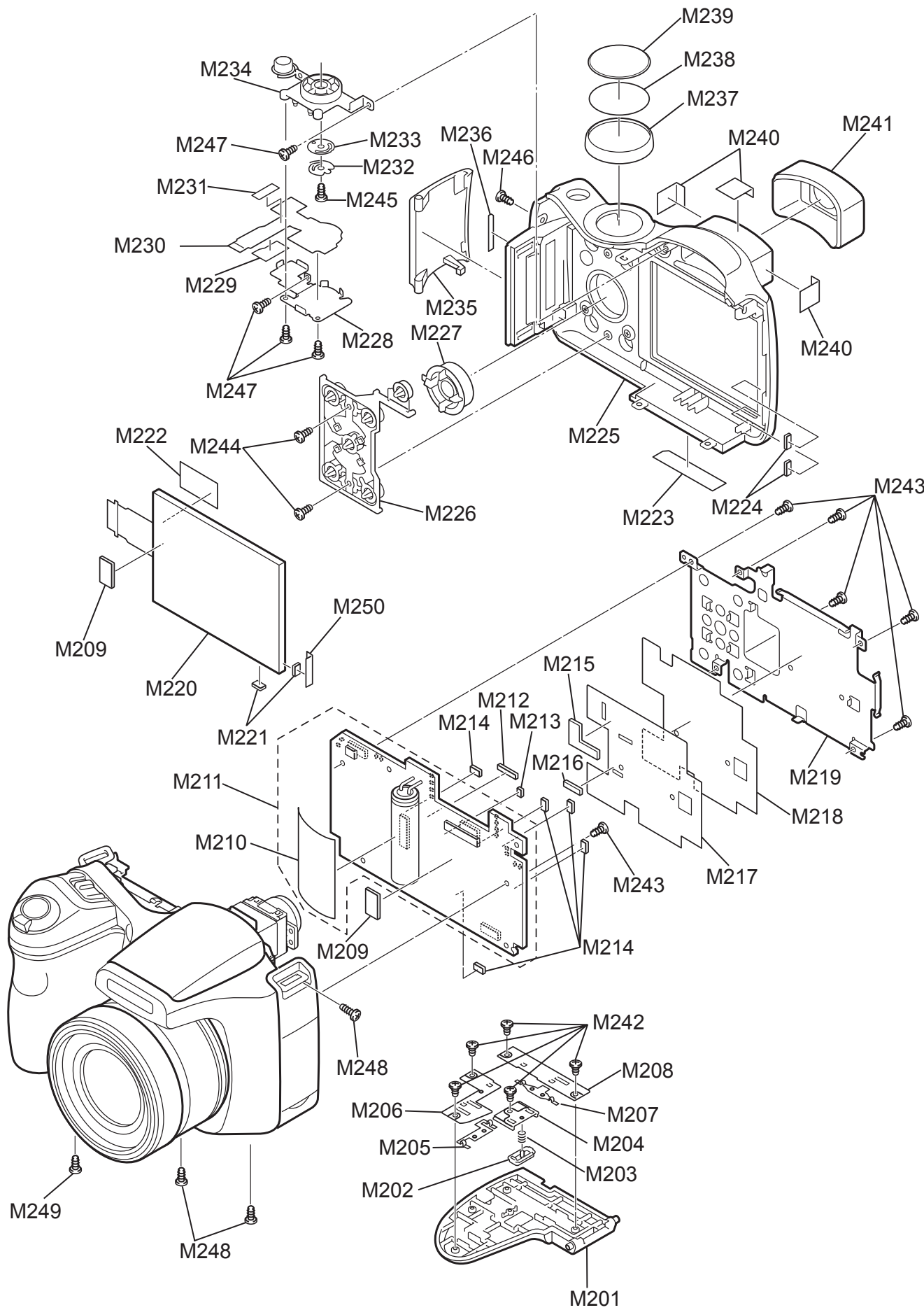
6-2-2-1. US/EU/EG/EE/AS/CH-model (S5700/S700)



Ref No.	Parts No.	Description	Comment
M201	636-102-7519	BATTERY COVER[S700B S5700B]	
M202	636-102-7496	BATT COVER BUTTON[S700B S5700B]	
M203	636-102-9841	BATT BUTTON SPRING	
M204	636-102-7564	BATT BUTTON HOLDER [S700B S5700B]	
M205	636-102-7762	BATT TERMINAL E	
M206	636-102-7731	BATT TERMINAL D	
M207	636-102-7755	BATT TERMINAL C	
M208	636-102-7748	BATT TERMINAL F	
M209	636-104-8781	MAIN/LCD SPACER	
M210	636-103-5798	CONDENSER SHEET	
M211	636-103-0038	COMPL PWB CP-1	
M212	636-104-8804	MAIN SPACER A	
M213	636-104-8811	MAIN SPACER B	
M214	636-104-8866	MAIN SPACER C	
M215	636-105-0456	MAIN FLAME A	
M216	636-104-8750	MAIN FLAME B	
M217	636-104-8743	SHEET LCD HOLDER A	
M218	636-103-5934	SHEET LCD HOLDER B	
M219	636-102-7823	LCD HOLDER	
M220	645-091-8940	LCD	
M221	636-104-6930	LCD SPACER A	
M222	636-104-5612	SHEET SHADE	
M223	636-104-3977	CAUTION LABEL[EXCEPT F FX-S5700B F FX-S5700S]	
M224	636-104-6909	LCD SPACER B	
M225	636-104-7050	CABI BACK[S700B S5700B]	
M226	636-102-7472	BUTTON BASE[S700B S5700B]	
M227	636-102-7489	SELECT BUTTON	
M228	636-102-7816	MODE HOLDER PLATE	
M229	636-104-6008	SHEET MODE FPC	
M230	636-103-4357	MODE FPC	
M231	636-103-8874	SHEET MODE PLATE	
M232	636-102-7854	MODE DIAL SPRING	
M233	636-102-7847	MODE CLICK SPRING	
M234	636-102-7656	MODE DIAL HOLDER[S700B S5700B]	
M235	636-102-7502	CARD COVER[S700B S5700B]	
M236	636-090-7126	CARD LABEL	
M237	636-102-7670	MODE DIAL KNOB[S700B S5700B]	
M238	636-104-5995	ADHESIVE DEC MODE	
M239	636-102-6505	MODE LABEL [S700B S5700B]	
M240	636-104-7296	ADHESIVE EVF	
M241	636-102-7410	EVF EYECUP	
M242	411-195-2203	SCREW 1.4X2.5	
M243	411-177-6502	SCREW 1.7X4	
M244	411-177-7202	SCREW 1.7X3	
M245	312-063-6104	SPECIAL SCREW 1.7X3.0	
M246	411-193-2106	SCREW 1.7X4.0 [S700B S5700B]	
M247	411-190-2208	SCREW 1.4X3 [S700S S5700S]	
M248	411-192-4408	SCREW 1.7X6.0	
M249	411-189-2608	SCREW 1.4X3 [S700B S5700B]	
M250	636-105-1927	SPACER LCD BUFFER-SG1A4	

6. Parts List

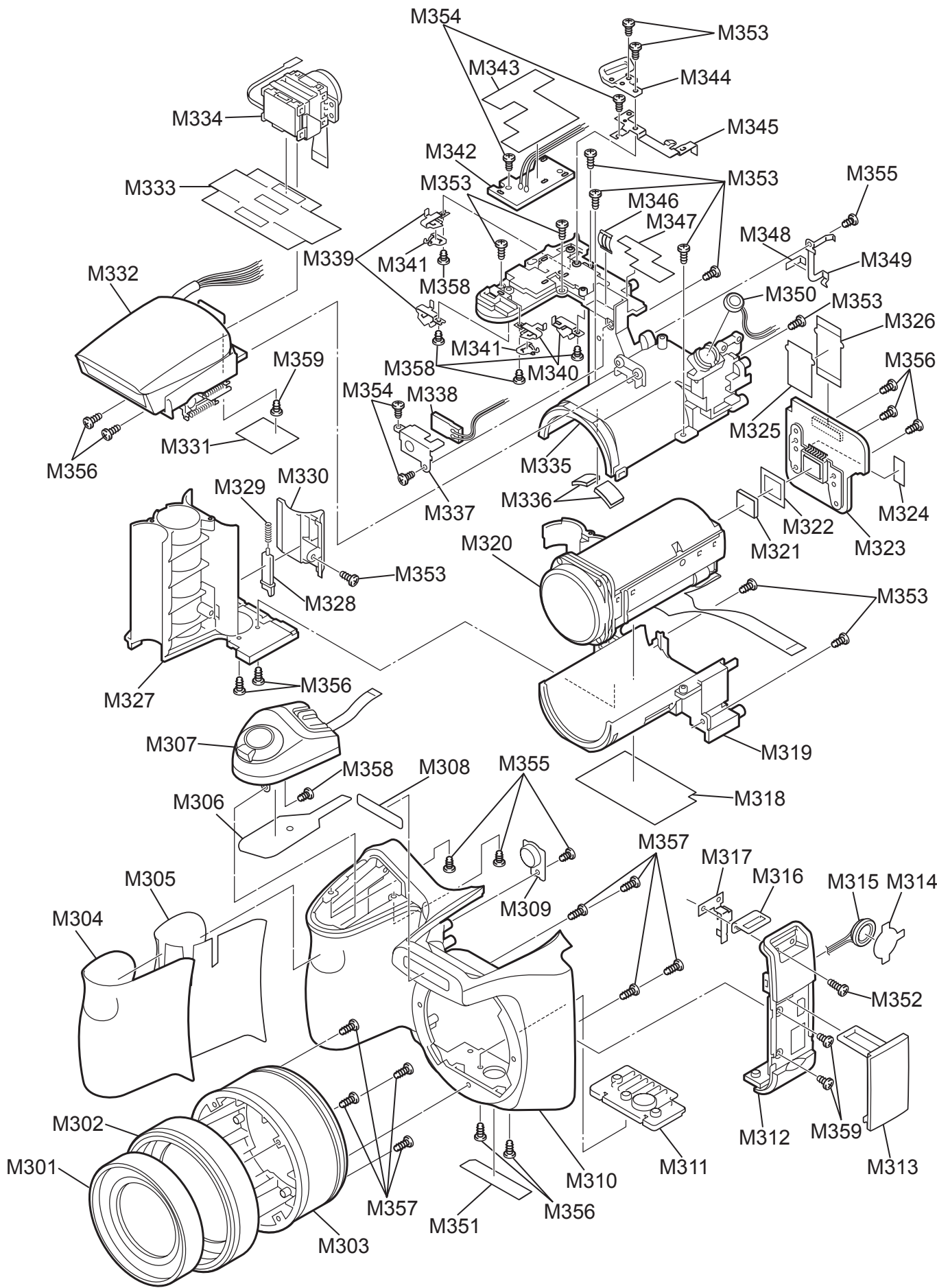
6-2-2-2. JP-model (S5700)



Ref No.	Parts No.	Description	Comment
M201	636-102-7519	BATTERY COVER[S700B S5700B]	
M202	636-102-7496	BATT COVER BUTTON[S700B S5700B]	
M203	636-102-9841	BATT BUTTON SPRING	
M204	636-102-7564	BATT BUTTON HOLDER [S700B S5700B]	
M205	636-102-7762	BATT TERMINAL E	
M206	636-102-7731	BATT TERMINAL D	
M207	636-102-7755	BATT TERMINAL C	
M208	636-102-7748	BATT TERMINAL F	
M209	636-104-8781	MAIN/LCD SPACER	
M210	636-103-5798	CONDENSER SHEET	
M211	636-103-0038	COMPL PWB CP-1	
M212	636-104-8804	MAIN SPACER A	
M213	636-104-8811	MAIN SPACER B	
M214	636-104-8866	MAIN SPACER C	
M215	636-105-0456	MAIN FLAME A	
M216	636-104-8750	MAIN FLAME B	
M217	636-104-8743	SHEET LCD HOLDER A	
M218	636-103-5934	SHEET LCD HOLDER B	
M219	636-102-7823	LCD HOLDER	
M220	645-091-8940	LCD	
M221	636-104-6930	LCD SPACER A	
M222	636-104-5612	SHEET SHADE	
M223	636-104-3960	CAUTION LABEL[F FX-S5700B F FX-S5700S]	
M224	636-104-6909	LCD SPACER B	
M225	636-104-7050	CABI BACK[S700B S5700B]	
M226	636-102-7472	BUTTON BASE[S700B S5700B]	
M227	636-102-7489	SELECT BUTTON	
M228	636-102-7816	MODE HOLDER PLATE	
M229	636-104-6008	SHEET MODE FPC	
M230	636-103-4357	MODE FPC	
M231	636-103-8874	SHEET MODE PLATE	
M232	636-102-7854	MODE DIAL SPRING	
M233	636-102-7847	MODE CLICK SPRING	
M234	636-102-7656	MODE DIAL HOLDER[S700B S5700B]	
M235	636-102-7502	CARD COVER[S700B S5700B]	
M236	636-090-7126	CARD LABEL	
M237	636-102-7670	MODE DIAL KNOB[S700B S5700B]	
M238	636-104-5995	ADHESIVE DEC MODE	
M239	636-102-6505	MODE LABEL [S700B S5700B]	
M240	636-104-7296	ADHESIVE EVF	
M241	636-102-7410	EVF EYECUP	
M242	411-195-2203	SCREW 1.4X2.5	
M243	411-177-6502	SCREW 1.7X4	
M244	411-177-7202	SCREW 1.7X3	
M245	312-063-6104	SPECIAL SCREW 1.7X3.0	
M246	411-193-2106	SCREW 1.7X4.0 [S700B S5700B]	
M247	411-190-2208	SCREW 1.4X3 [S700S S5700S]	
M248	411-192-4408	SCREW 1.7X6.0	
M249	411-189-2608	SCREW 1.4X3 [S700B S5700B]	
M250	636-105-1927	SPACER LCD BUFFER-SG1A4	

6. Parts List

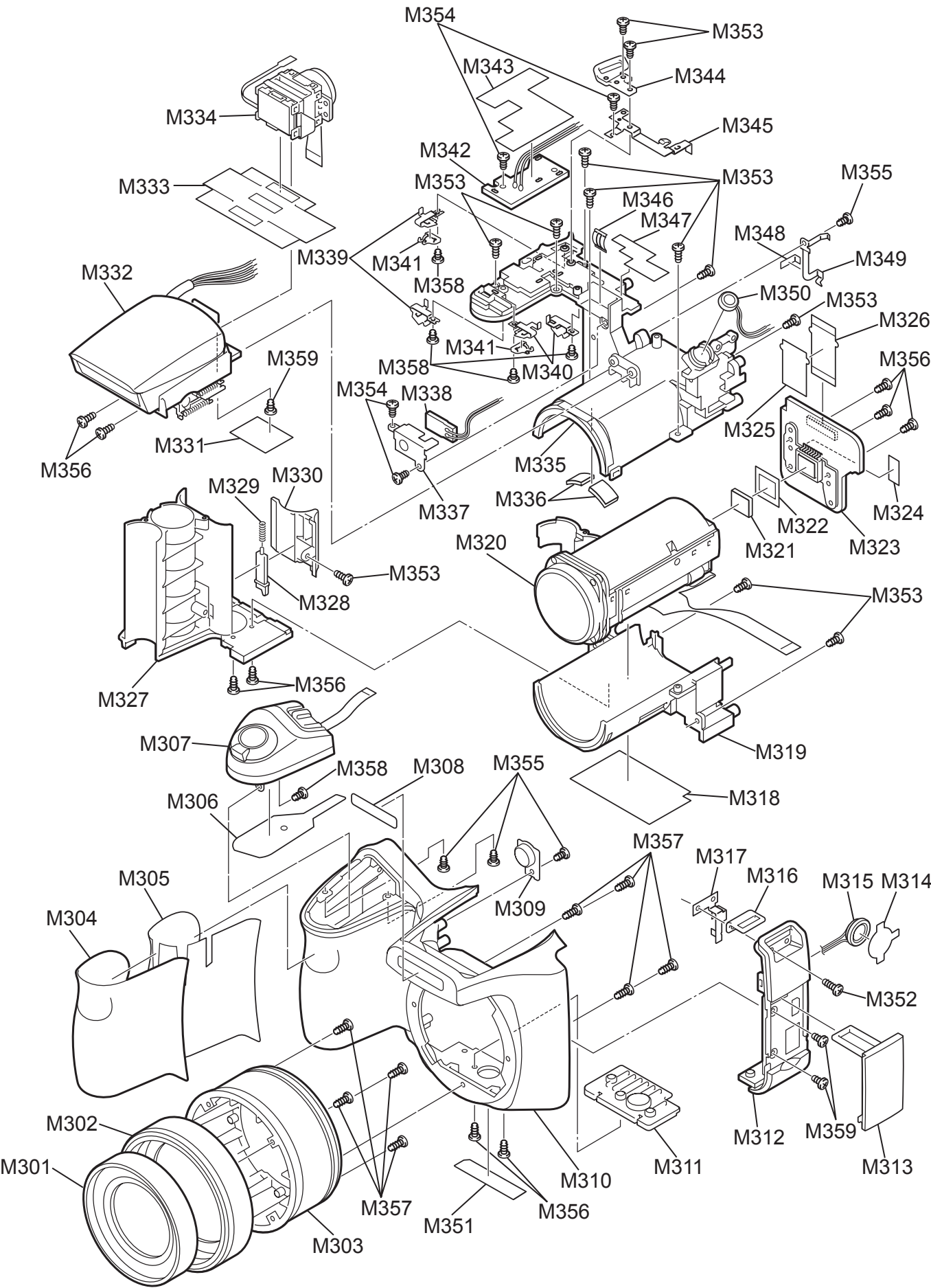
6-2-3. Mechanical Block 2
6-2-3-1. US-model (S700)



Ref No.	Parts No.	Description	Comment
M301	636-102-7458	LENS RING TOP	
M302	636-102-6499	LENS RING MIDDLE	
M303	636-102-7441	LENS RING BOTTOM[S700B S5700B]	
M304	636-102-7380	FRONT GRIP	
M305	636-104-5766	ADHESIVE GRIP FRONT	
M306	636-102-9780	ZOOM SW UNIT SHEET	
M307	645-092-3760	ZOOM SW UNIT[S700B S5700B]	
M308	636-103-0083	LOGO BADGE[S700B S5700B]	
M309	636-102-7397	AF LED COVER	
M310	636-102-7366	CABI FRONT[S700B S5700B]	
M311	636-102-7465	STAND[S700B S5700B]	
M312	636-102-7434	SIDE CABI	
M313	636-102-7533	JACK COVER	
M314	636-104-5964	SPEAKER SHEET	
M315	645-088-3484	SPEAKER	
M316	636-102-7809	STRAP LENS HOLDER	
M317	636-102-7717	STRAP EARTH	
M318	636-103-5941	SHEET LENS FPC	
M319	636-102-7595	LENS HOLDER BOTTOM[S700B S5700B]	
M320	645-092-1339	LENS ASSY	
M321	645-092-7911	OPTICAL FILTER	
M322	636-089-8745	MASK	
M323	636-104-8538	COMPL PWB CA-1	
M324	636-104-8774	CCD SPACER	
M325	636-104-5575	SHIELD TAPE (FPC)	
M326	636-103-9765	FLEXIBLE PWB	
M327	636-102-7571	BATTERY HOLDER[S700B S5700B]	
M328	636-102-7663	BATT LOCK KNOB[S700B S5700B]	
M329	636-102-9858	BATT KNOB SPRING	
M330	636-102-7526	BATT COVER KNOB[S700B S5700B]	
M331	636-103-8904	SHEET EVF B	
M332	636-104-8316	FLASH ASSY[S700B]	
M333	636-103-8881	SHEET EVF A	
M334	645-092-2756	EVF UNIT	
M335	636-102-7588	LENS HOLDER TOP [S700B S5700B]	
M336	636-103-5965	LENS SPACER	
M337	636-102-7601	AF LED HOLDER	
M338	636-102-6208	COMPL PWB TB-1	
M339	636-102-7779	BATT TERMINAL A	
M340	636-102-7786	BATT TERMINAL B	
M341	636-100-1137	BATT COVER TERMINAL	
M342	636-102-6185	COMPL PWB PW-1	
M343	636-104-5988	SHEET LEAD POWER	
M344	636-102-7793	STRAP GRIP HOLDER	
M345	636-102-7700	STRAP GRIP EARTH	
M346	636-102-7830	AF LED SPRING	
M347	636-103-5958	AF LED SHEET	
M348	636-103-8928	SHEET	
M349	636-102-7724	EARTH PLATE	
M350	645-079-9600	MICROPHONE	
M351	636-104-3533	PRODUCT LABEL US	
M352	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M353	411-177-6502	SCREW 1.7X4	
M354	411-177-7202	SCREW 1.7X3	
M355	411-190-2208	SCREW 1.4X3	
M356	411-193-2106	SCREW 1.7X4.0 [S700B S5700B]	
M357	411-180-1808	SCREW 1.7X6.0	
M358	411-177-8100	SCREW 1.7X2.5	
M359	411-192-4200	SCREW 1.7X3.0	

6. Parts List

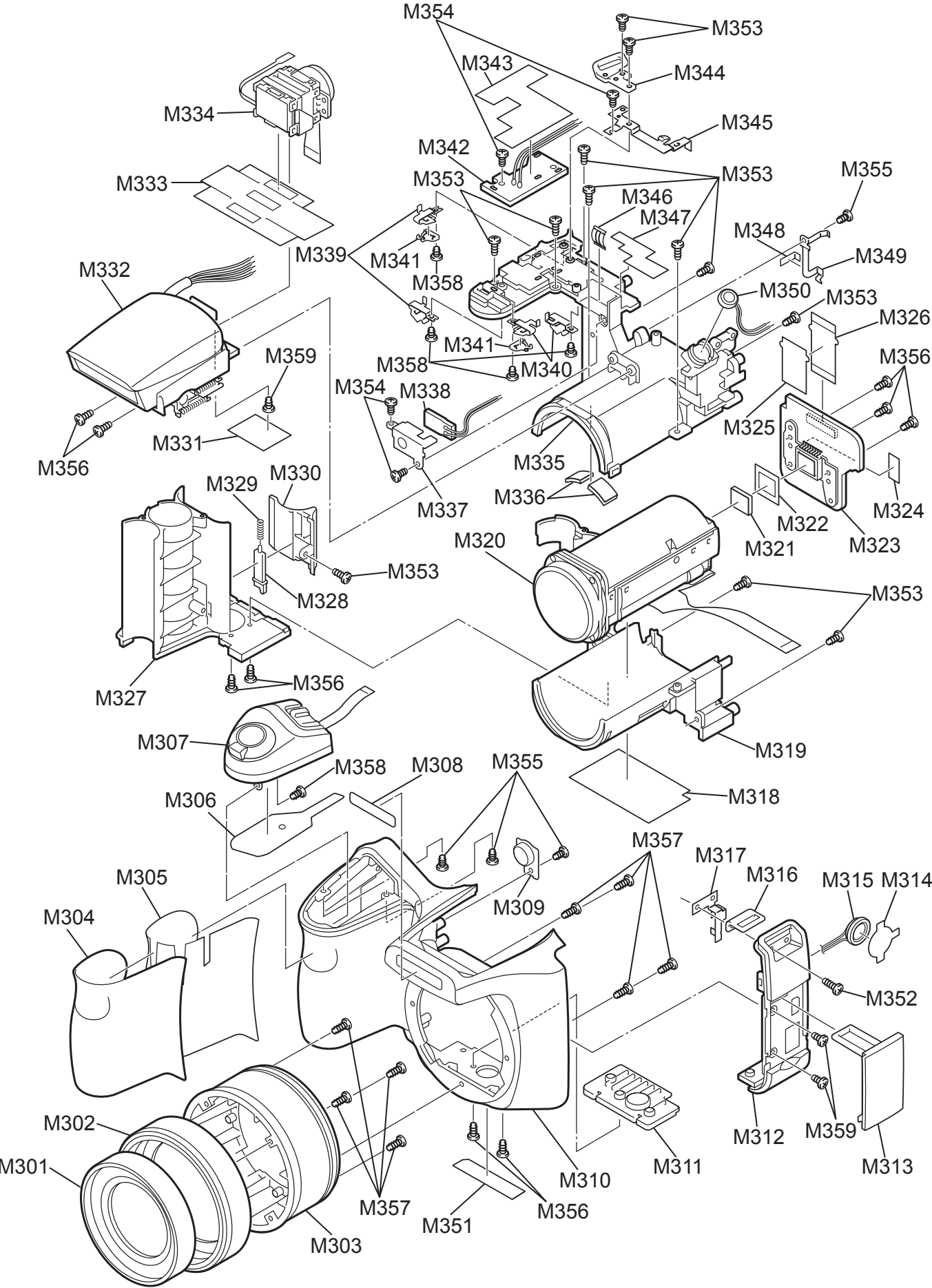
6-2-3-2. EU/EG/EE-model (S5700)



Ref No.	Parts No.	Description	Comment
M301	636-102-7458	LENS RING TOP	
M302	636-102-6499	LENS RING MIDDLE	
M303	636-102-7441	LENS RING BOTTOM[S700B S5700B]	
M304	636-102-7380	FRONT GRIP	
M305	636-104-5766	ADHESIVE GRIP FRONT	
M306	636-102-9780	ZOOM SW UNIT SHEET	
M307	645-092-3760	ZOOM SW UNIT[S700B S5700B]	
M308	636-103-0083	LOGO BADGE[S700B S5700B]	
M309	636-102-7397	AF LED COVER	
M310	636-102-7366	CABI FRONT[S700B S5700B]	
M311	636-102-7465	STAND[S700B S5700B]	
M312	636-102-7434	SIDE CABI	
M313	636-102-7533	JACK COVER	
M314	636-104-5964	SPEAKER SHEET	
M315	645-088-3484	SPEAKER	
M316	636-102-7809	STRAP LENS HOLDER	
M317	636-102-7717	STRAP EARTH	
M318	636-103-5941	SHEET LENS FPC	
M319	636-102-7595	LENS HOLDER BOTTOM[S700B S5700B]	
M320	645-092-1339	LENS ASSY	
M321	645-092-7911	OPTICAL FILTER	
M322	636-089-8745	MASK	
M323	636-104-8538	COMPL PWB CA-1	
M324	636-104-8774	CCD SPACER	
M325	636-104-5575	SHIELD TAPE (FPC)	
M326	636-103-9765	FLEXIBLE PWB	
M327	636-102-7571	BATTERY HOLDER[S700B S5700B]	
M328	636-102-7663	BATT LOCK KNOB[S700B S5700B]	
M329	636-102-9858	BATT KNOB SPRING	
M330	636-102-7526	BATT COVER KNOB[S700B S5700B]	
M331	636-103-8904	SHEET EVF B	
M332	636-104-8293	FLASH ASSY[S5700B]	
M333	636-103-8881	SHEET EVF A	
M334	645-092-2756	EVF UNIT	
M335	636-102-7588	LENS HOLDER TOP [S700B S5700B]	
M336	636-103-5965	LENS SPACER	
M337	636-102-7601	AF LED HOLDER	
M338	636-102-6208	COMPL PWB TB-1	
M339	636-102-7779	BATT TERMINAL A	
M340	636-102-7786	BATT TERMINAL B	
M341	636-100-1137	BATT COVER TERMINAL	
M342	636-102-6185	COMPL PWB PW-1	
M343	636-104-5988	SHEET LEAD POWER	
M344	636-102-7793	STRAP GRIP HOLDER	
M345	636-102-7700	STRAP GRIP EARTH	
M346	636-102-7830	AF LED SPRING	
M347	636-103-5958	AF LED SHEET	
M348	636-103-8928	SHEET	
M349	636-102-7724	EARTH PLATE	
M350	645-079-9600	MICROPHONE	
M351	636-104-3540	PRODUCT LABEL (WEEE)	
M352	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M353	411-177-6502	SCREW 1.7X4	
M354	411-177-7202	SCREW 1.7X3	
M355	411-190-2208	SCREW 1.4X3	
M356	411-193-2106	SCREW 1.7X4.0 [S700B S5700B]	
M357	411-180-1808	SCREW 1.7X6.0	
M358	411-177-8100	SCREW 1.7X2.5	
M359	411-192-4200	SCREW 1.7X3.0	

6. Parts List

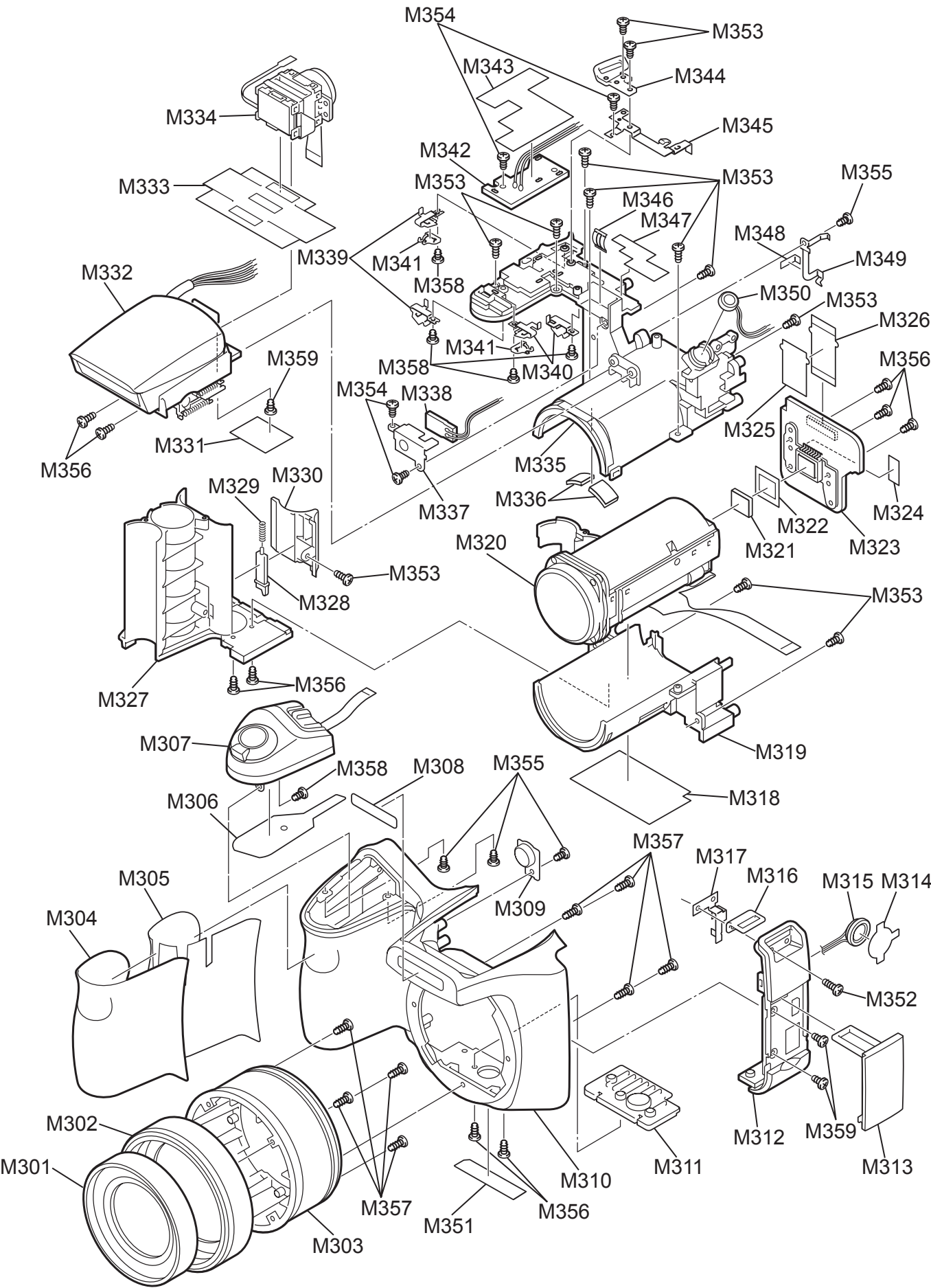
6-2-3-3. CH-model (S5700)



Ref No.	Parts No.	Description	Comment
M301	636-102-7458	LENS RING TOP	
M302	636-102-6499	LENS RING MIDDLE	
M303	636-102-7441	LENS RING BOTTOM[S700B S5700B]	
M304	636-102-7380	FRONT GRIP	
M305	636-104-5766	ADHESIVE GRIP FRONT	
M306	636-102-9780	ZOOM SW UNIT SHEET	
M307	645-092-3760	ZOOM SW UNIT[S700B S5700B]	
M308	636-103-0083	LOGO BADGE[S700B S5700B]	
M309	636-102-7397	AF LED COVER	
M310	636-102-7366	CABI FRONT[S700B S5700B]	
M311	636-102-7465	STAND[S700B S5700B]	
M312	636-102-7434	SIDE CABI	
M313	636-102-7533	JACK COVER	
M314	636-104-5964	SPEAKER SHEET	
M315	645-088-3484	SPEAKER	
M316	636-102-7809	STRAP LENS HOLDER	
M317	636-102-7717	STRAP EARTH	
M318	636-103-5941	SHEET LENS FPC	
M319	636-102-7595	LENS HOLDER BOTTOM[S700B S5700B]	
M320	645-092-1339	LENS ASSY	
M321	645-092-7911	OPTICAL FILTER	
M322	636-089-8745	MASK	
M323	636-104-8538	COMPL PWB CA-1	
M324	636-104-8774	CCD SPACER	
M325	636-104-5575	SHIELD TAPE (FPC)	
M326	636-103-9765	FLEXIBLE PWB	
M327	636-102-7571	BATTERY HOLDER[S700B S5700B]	
M328	636-102-7663	BATT LOCK KNOB[S700B S5700B]	
M329	636-102-9858	BATT KNOB SPRING	
M330	636-102-7526	BATT COVER KNOB[S700B S5700B]	
M331	636-103-8904	SHEET EVF B	
M332	636-104-8293	FLASH ASSY[S5700B]	
M333	636-103-8881	SHEET EVF A	
M334	645-092-2756	EVF UNIT	
M335	636-102-7588	LENS HOLDER TOP [S700B S5700B]	
M336	636-103-5965	LENS SPACER	
M337	636-102-7601	AF LED HOLDER	
M338	636-102-6208	COMPL PWB TB-1	
M339	636-102-7779	BATT TERMINAL A	
M340	636-102-7786	BATT TERMINAL B	
M341	636-100-1137	BATT COVER TERMINAL	
M342	636-102-6185	COMPL PWB PW-1	
M343	636-104-5988	SHEET LEAD POWER	
M344	636-102-7793	STRAP GRIP HOLDER	
M345	636-102-7700	STRAP GRIP EARTH	
M346	636-102-7830	AF LED SPRING	
M347	636-103-5958	AF LED SHEET	
M348	636-103-8928	SHEET	
M349	636-102-7724	EARTH PLATE	
M350	645-079-9600	MICROPHONE	
M351	636-104-3557	PRODUCT LABEL C	
M352	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M353	411-177-6502	SCREW 1.7X4	
M354	411-177-7202	SCREW 1.7X3	
M355	411-190-2208	SCREW 1.4X3	
M356	411-193-2106	SCREW 1.7X4.0 [S700B S5700B]	
M357	411-180-1808	SCREW 1.7X6.0	
M358	411-177-8100	SCREW 1.7X2.5	
M359	411-192-4200	SCREW 1.7X3.0	

6. Parts List

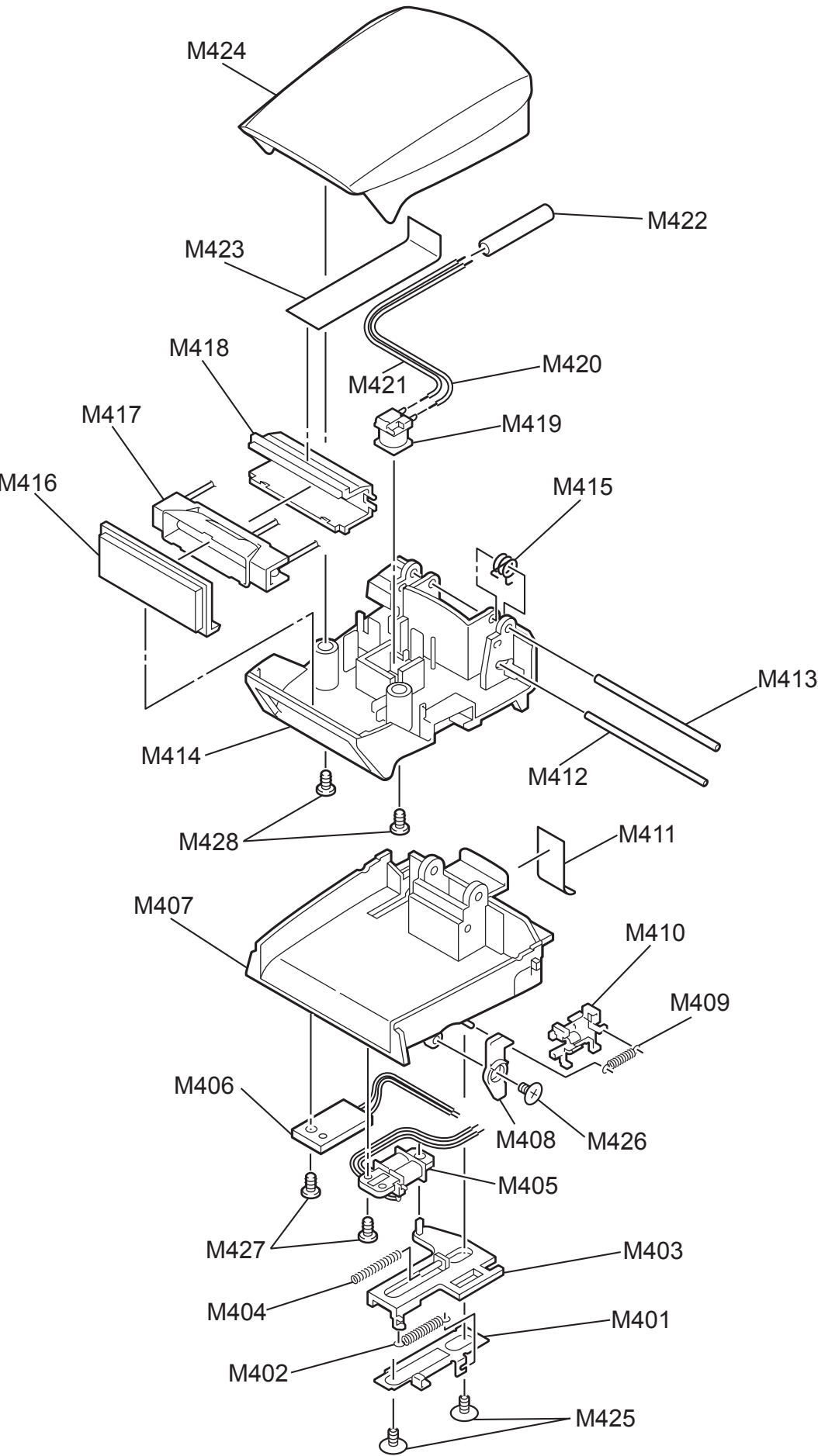
6-2-3-4. AS/JP-model (S5700)



Ref No.	Parts No.	Description	Comment
M301	636-102-7458	LENS RING TOP	
M302	636-102-6499	LENS RING MIDDLE	
M303	636-102-7441	LENS RING BOTTOM[S700B S5700B]	
M304	636-102-7380	FRONT GRIP	
M305	636-104-5766	ADHESIVE GRIP FRONT	
M306	636-102-9780	ZOOM SW UNIT SHEET	
M307	645-092-3760	ZOOM SW UNIT[S700B S5700B]	
M308	636-103-0083	LOGO BADGE[S700B S5700B]	
M309	636-102-7397	AF LED COVER	
M310	636-102-7366	CABI FRONT[S700B S5700B]	
M311	636-102-7465	STAND[S700B S5700B]	
M312	636-102-7434	SIDE CABI	
M313	636-102-7533	JACK COVER	
M314	636-104-5964	SPEAKER SHEET	
M315	645-088-3484	SPEAKER	
M316	636-102-7809	STRAP LENS HOLDER	
M317	636-102-7717	STRAP EARTH	
M318	636-103-5941	SHEET LENS FPC	
M319	636-102-7595	LENS HOLDER BOTTOM[S700B S5700B]	
M320	645-092-1339	LENS ASSY	
M321	645-092-7911	OPTICAL FILTER	
M322	636-089-8745	MASK	
M323	636-104-8538	COMPL PWB CA-1	
M324	636-104-8774	CCD SPACER	
M325	636-104-5575	SHIELD TAPE (FPC)	
M326	636-103-9765	FLEXIBLE PWB	
M327	636-102-7571	BATTERY HOLDER[S700B S5700B]	
M328	636-102-7663	BATT LOCK KNOB[S700B S5700B]	
M329	636-102-9858	BATT KNOB SPRING	
M330	636-102-7526	BATT COVER KNOB[S700B S5700B]	
M331	636-103-8904	SHEET EVF B	
M332	636-104-8293	FLASH ASSY[S5700B]	
M333	636-103-8881	SHEET EVF A	
M334	645-092-2756	EVF UNIT	
M335	636-102-7588	LENS HOLDER TOP [S700B S5700B]	
M336	636-103-5965	LENS SPACER	
M337	636-102-7601	AF LED HOLDER	
M338	636-102-6208	COMPL PWB TB-1	
M339	636-102-7779	BATT TERMINAL A	
M340	636-102-7786	BATT TERMINAL B	
M341	636-100-1137	BATT COVER TERMINAL	
M342	636-102-6185	COMPL PWB PW-1	
M343	636-104-5988	SHEET LEAD POWER	
M344	636-102-7793	STRAP GRIP HOLDER	
M345	636-102-7700	STRAP GRIP EARTH	
M346	636-102-7830	AF LED SPRING	
M347	636-103-5958	AF LED SHEET	
M348	636-103-8928	SHEET	
M349	636-102-7724	EARTH PLATE	
M350	645-079-9600	MICROPHONE	
M351	636-104-3526	PRODUCT LABEL	
M352	411-192-4408	SCREW 1.7X6.0 [S700B S5700B]	
M353	411-177-6502	SCREW 1.7X4	
M354	411-177-7202	SCREW 1.7X3	
M355	411-190-2208	SCREW 1.4X3	
M356	411-193-2106	SCREW 1.7X4.0 [S700B S5700B]	
M357	411-180-1808	SCREW 1.7X6.0	
M358	411-177-8100	SCREW 1.7X2.5	
M359	411-192-4200	SCREW 1.7X3.0	

6. Parts List

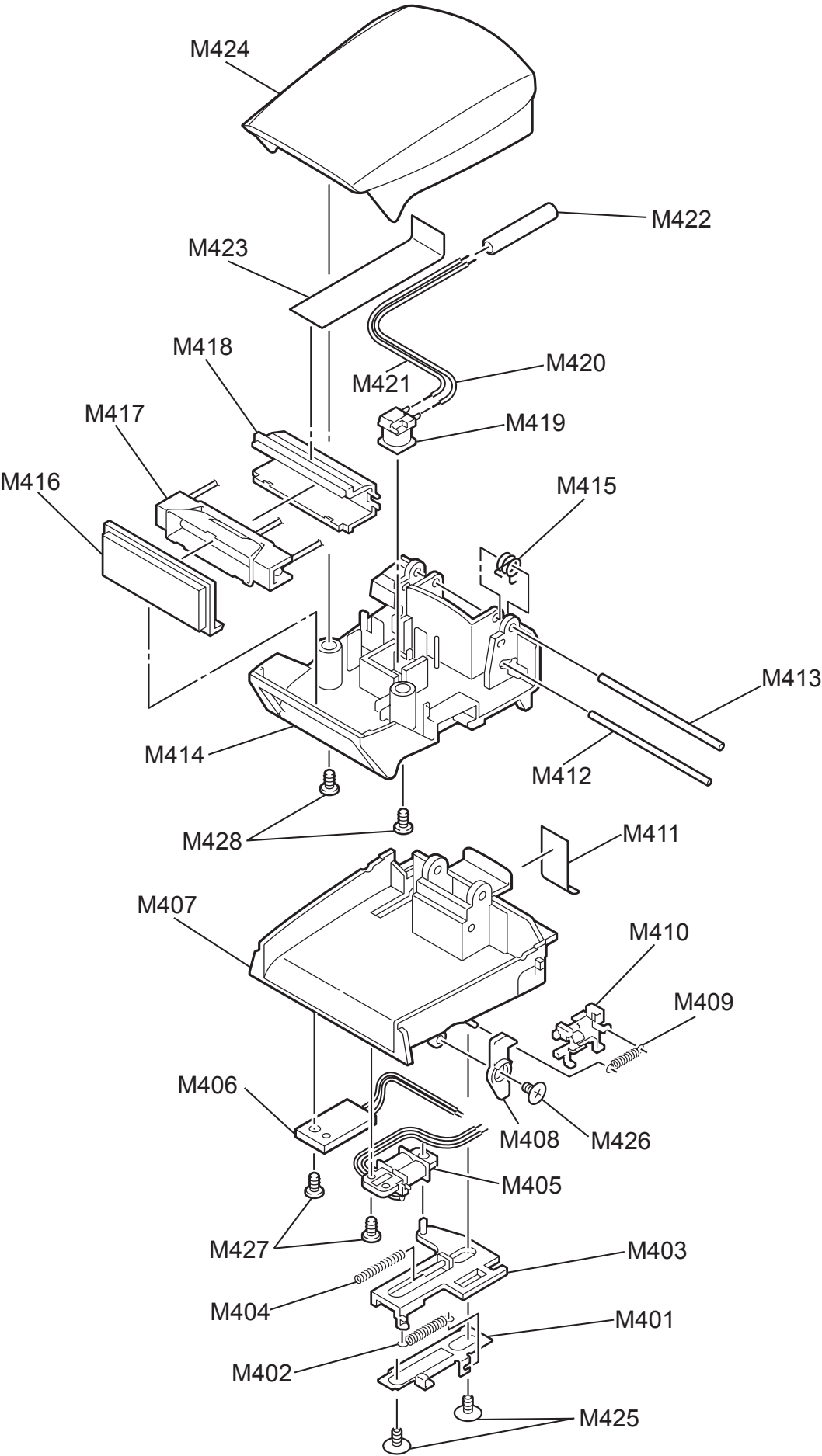
6-2-4. Flash Block
6-2-4-1. US-model (S700)



Ref No.	Parts No.	Description	Comment
M401	636-102-7861	SLIDE PLATE	
M402	636-104-9344	LOCK SPRING	
M403	636-102-7632	ST SLIDE HOLDER	
M404	636-104-6572	SORENOIDE SPRING	
M405	645-092-5733	SLD UNIT	
M406	636-102-6215	COMPL PWB TB-2	
M407	636-102-7625	ST HOLDER [S700B S5700B]	
M408	636-102-7687	ST LOCK LEVER[S700B S5700B]	
M409	636-104-6541	RETURN SPRING	
M410	636-102-7649	SLIDE RETURN HOLDER	
M411	636-104-5759	SHEET ST B	
M412	636-073-6535	ST COVER SHAFT	
M413	636-102-9919	ST SHAFT	
M414	636-102-7557	ST COVER BOTTOM[S700B S5700B]	
M415	636-104-6589	ST POP SPRING	
M416	636-103-2391	FLASH COVER	
M417	645-092-1384	LAMP ASSY	
M418	636-102-7618	FLASH HOLDER	
M419	645-069-2413	TRANS	
M420	636-102-4679	WIRE TRIG IN	
M421	636-102-4686	WIRE TRIG GND	
M422	613-212-7677	SI TUBE	
M423	636-103-8911	SHEET ST A	
M424	636-103-7839	ST COVER TOP[S700B]	
M425	312-066-9607	SPECIAL SCREW 1.7X3.0	
M426	312-072-4702	SPECIAL SCREW 1.4X2.0	
M427	411-190-2208	SCREW 1.4X3	
M428	411-193-2106	SCREW 1.7X4.0 [S700B, S5700B]	

6. Parts List

6-2-4-2. EU/EG/EE/AS/CH/JP-model (S5700)



Ref No.	Parts No.	Description	Comment
M401	636-102-7861	SLIDE PLATE	
M402	636-104-9344	LOCK SPRING	
M403	636-102-7632	ST SLIDE HOLDER	
M404	636-104-6572	SORENOIDE SPRING	
M405	645-092-5733	SLD UNIT	
M406	636-102-6215	COMPL PWB TB-2	
M407	636-102-7625	ST HOLDER [S700B S5700B]	
M408	636-102-7687	ST LOCK LEVER[S700B S5700B]	
M409	636-104-6541	RETURN SPRING	
M410	636-102-7649	SLIDE RETURN HOLDER	
M411	636-104-5759	SHEET ST B	
M412	636-073-6535	ST COVER SHAFT	
M413	636-102-9919	ST SHAFT	
M414	636-102-7557	ST COVER BOTTOM[S700B S5700B]	
M415	636-104-6589	ST POP SPRING	
M416	636-103-2391	FLASH COVER	
M417	645-092-1384	LAMP ASSY	
M418	636-102-7618	FLASH HOLDER	
M419	645-069-2413	TRANS	
M420	636-102-4679	WIRE TRIG IN	
M421	636-102-4686	WIRE TRIG GND	
M422	613-212-7677	SI TUBE	
M423	636-103-8911	SHEET ST A	
M424	636-102-7540	ST COVER TOP[S5700B]	
M425	312-066-9607	SPECIAL SCREW 1.7X3.0	
M426	312-072-4702	SPECIAL SCREW 1.4X2.0	
M427	411-190-2208	SCREW 1.4X3	
M428	411-193-2106	SCREW 1.7X4.0 [S700B, S5700B]	

6-3. 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	PWB diagram
COMPL PWB,CP-1				
[SWITCH]				
S3001	645-081-7229	PUSH SWITCH		
S3002	645-057-0773	PUSH SWITCH		
S3003	645-057-0773	PUSH SWITCH		
S3004	645-057-0773	PUSH SWITCH		
S3005	645-057-0773	PUSH SWITCH		
S3006	645-057-0773	PUSH SWITCH		
S3007	645-057-0773	PUSH SWITCH		
S3008	645-057-0773	PUSH SWITCH		
S3009	645-057-0773	PUSH SWITCH		
S3010	645-057-0773	PUSH SWITCH		
S3011	645-057-0773	PUSH SWITCH		
[BATTERY]				
Z3001	645-075-2261	RECHARGE BATTERY		
[CONNECTOR]				
CN101	645-088-7475	SOCKET FPC 51P		
CN110	645-075-9741	SOCKET 8P		
CN144	645-092-0233	SOCKET CARD(XD)		
CN171	645-069-5223	SOCKET FPC 39P		
CN175	645-069-6305	SOCKET FPC 23P		
CN176	645-084-3099	SOCKET FPC 4P		
CN301	645-073-5974	SOCKET FPC 14P		
CN302	645-081-7625	SOCKET FPC 8P		
CN901	645-088-7475	SOCKET FPC 51P		
CN951	645-069-2727	SOCKET FPC 25P		
[FUSE]				
F5001	323-031-1700	FUSE 32V 2A		E-5
F5002	323-031-1700	FUSE 32V 2A		E-5
F5003	323-031-1809	FUSE 32V 2.5A		E-5
F5004	323-031-1502	FUSE 32V 1A		A-1
[JACK]				
JK501	645-073-0795	DC JACK		
COMPL PWB,TB-2				
[SWITCH]				
S6501	645-081-7229	DETECTOR SWITCH		

6. Parts List

MEMO

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

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FUJIFILM Corporation

Midtown West, 7-3, Akasaka 9-chome, Minato-ku, Tokyo 107-0052, Japan