

Panasonic®**ORDER NO. VM1702003CE**

Service Manual

High Definition Video Camera

Model No. **HC-V785GC**
HC-V785GK
HC-V785GN
HC-V785GW

Colour
Black Type

AVCHD™ Progressive HDMI SxS DOLBY AUDIO™

DLNA CERTIFIED™ Wi-Fi CERTIFIED SETUP



WARNING


This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Safety Precautions

1.1 General Guidelines

1. IMPORTANT SAFETY NOTICE

- There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Layout, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.
2. An Isolation Transformer should always be used during the servicing of AC Adaptor whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect AC Adaptor from being damaged by accidental shorting that may occur during servicing.
 3. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
 4. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
 5. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2 Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 M Ω and 5.2 M Ω . When the exposed metal does not have a return path to the chassis, the reading must be infinity.

1.3 Leakage Current Hot Check (See Figure. 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5 k Ω , 10 W resistor, in parallel with a 0.15 μ F capacitor, between each exposed metallic part on the set and a good earth ground, as shown in Figure. 1.
3. Use an AC voltmeter, with 1 k Ω /V or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 V RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 mA. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

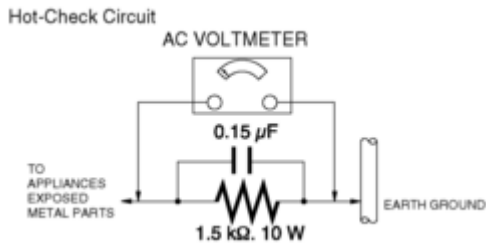


Figure. 1

2 Warning

2.1 Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an antistatic solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION :

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

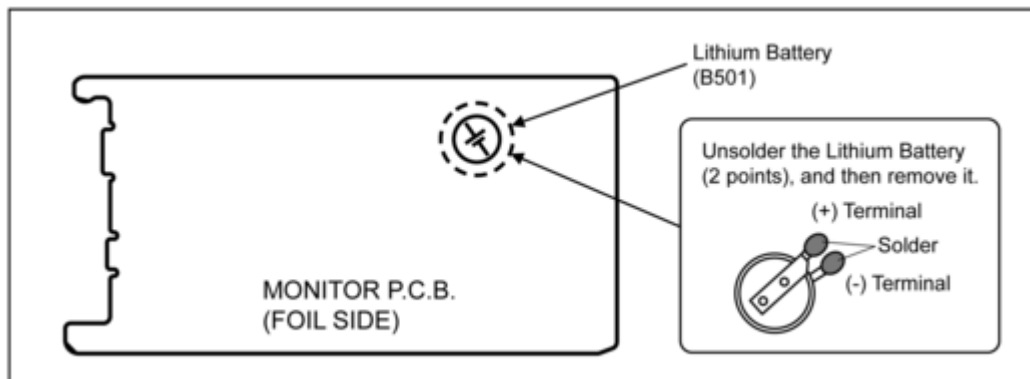
2.2 How to Replace the Lithium Battery

2.2.1 Replacement Procedure

1. Remove the MONITOR P.C.B.. (Refer to Disassembly Procedures.)
2. Unsolder the each soldering point of electric lead terminal for Lithium battery (Ref. No. "B501" at foil side of MONITOR P.C.B.) and remove the Lithium battery together with electric lead terminal. Then replace it into new one.

NOTE:

The Lithium battery includes electric lead terminals.

**NOTE:**

This Lithium battery is a critical component.

It must never be subjected to excessive heat or discharge.

It must therefore only be fitted in requirement designed specifically for its use.

Replacement batteries must be of same type and manufacture.

They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.

Do not attempt to re-charge the old battery or re-use it for any other purpose.

It should be disposed of in waste products destined for burial rather than incineration.

(For English)

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.

Dispose of used batteries according to the manufacturer's instructions.

(For German)

ACHTUNG

Explosionsgefahr bei falschem Anbringen der Batterie. Ersetzen Sie nur mit einem äquivalentem vom Hersteller empfohlenem Typ.

Behandeln Sie gebrauchte Batterien nach den Anweisungen des Herstellers.

(For French)

MISE EN GARDE

Une batterie de remplacement inappropriée peut exploser. Ne remplacez qu'avec une batterie identique ou d'un type recommandé par le fabricant. L'élimination des batteries usées doit être faite conformément aux instructions du fabricant.

NOTE:

Above caution is applicable for a battery pack which is for HC-V785 series, as well.

3 Service Navigation

3.1 Introduction

This service manual contains technical information, which allow service personnel's to understand and service this model. Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, the information will be followed by service manual to be controlled with original service manual.

3.2 General Description About Lead Free Solder (PbF)

The lead free solder has been used in the mounting process of all electrical components on the printed circuit boards used for this equipment in considering the globally environmental conservation.

The normal solder is the alloy of tin (Sn) and lead (Pb). On the other hand, the lead free solder is the alloy mainly consists of tin (Sn), silver (Ag) and copper (Cu), and the melting point of the lead free solder is higher approx.30°C (86°F) more than that of the normal solder.

Distinction of P.C.B. Lead Free Solder being used

The letter of "PbF" is printed either foil side or components side on the P.C.B. using the lead free solder.(See right figure)	PbF
--	-----

Service caution for repair work using Lead Free Solder (PbF)

- The lead free solder has to be used when repairing the equipment for which the lead free solder is used. (Definition: The letter of "PbF" is printed on the P.C.B. using the lead free solder.)
- To put lead free solder, it should be well molten and mixed with the original lead free solder.
- Remove the remaining lead free solder on the P.C.B. cleanly for soldering of the new IC.
- Since the melting point of the lead free solder is higher than that of the normal lead solder, it takes the longer time to melt the lead free solder.
- Use the soldering iron (more than 70W) equipped with the temperature control after setting the temperature at 350±30°C (662±86°F).

Recommended Lead Free Solder (Service Parts Route.)

- The following 3 types of lead free solder are available through the service parts route.
 - SVKZ000001------(0.3mm 100g Reel)
 - SVKZ000002------(0.6mm 100g Reel)
 - SVKZ000003------(1.0mm 100g Reel)

Note

* Ingredient: Tin (Sn) 96.5%, Silver (Ag) 3.0%, Copper (Cu) 0.5%. (Flux cored)

3.3 How to Define the Model Suffix

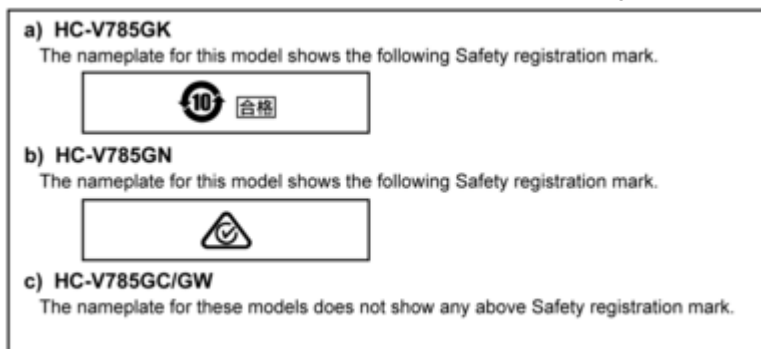
There are three kinds of HC-V785.

- a) HC-V785GK
- b) HC-V785GN
- c) HC-V785GC/GW

What is the difference is that the “Factory Setting” data which is stored in Flash-ROM mounted on Main P.C.B..

3.3.1 Defining methods:

To define the model suffix to be serviced, refer to the rating label and caution label which are putted on the Unit.



NOTE:

After replacing the MAIN P.C.B., be sure to achieve adjustment.

3.4 Baking of replacement IC and defective P.C.B.

When replacing the CSP/BGA/QFN type IC mounted on the P.C.B., the problem of IC crack or foil pattern breaking in the P.C.B.

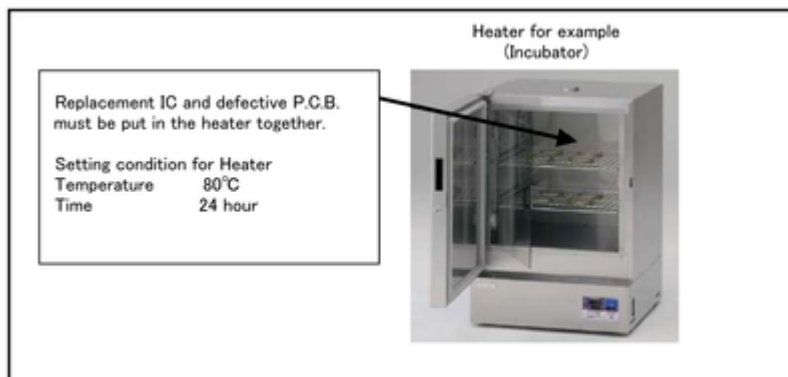
might sometimes occur by rapid heating.

In order to improve the success rate of IC replacement for repair, it would be required to work out baking of replacement IC and defective P.C.B. before replacing IC.

Please refer the way of baking as follows.

Replacement IC and defective P.C.B. must be put in the heater together.

- Baking temperature and time (Hour)
80°C / 24 hour



4 Specifications

The following specification is for HC-V785GC/GW/GN.

Some specifications may differ depending on model suffix.

The page number in this chapter does not show the page number of this service manual.

High Definition Video Camera

Information for your safety

Power source:

DC 5.0 V (When using AC adaptor)
DC 3.6 V (When using battery)

Power consumption:

Recording: 6.7 W
Charging: 7.7 W

Motion picture recording format:

[AVCHD]:
AVCHD format version 2.0 compliant (AVCHD Progressive)
[MP4/iFrame]:
MPEG-4 AVC file format compliant (.MP4)

Motion picture compression:

MPEG-4 AVC/H.264

Audio compression:

[AVCHD]:
Dolby® Audio/5.1 ch (built-in microphone),
2 ch (built-in microphone/external microphone)
[MP4/iFrame]:
AAC/2 ch

Recording mode and transfer rate:

[AVCHD]
[1080/50p]:
Maximum 28 Mbps (VBR)
[PH]:
Maximum 24 Mbps (VBR)
[HA]:
Average 17 Mbps (VBR)
[HG]:
Average 13 Mbps (VBR)
[HE]:
Average 5 Mbps (VBR)

[MP4/iFrame]

[1080/50M]:
Maximum 50 Mbps (VBR)
[1080/28M]:
Maximum 28 Mbps (VBR)
[720]:
Average 9 Mbps (VBR)
[iFrame]:
Maximum 28 Mbps (VBR)

Refer to the operating instructions (PDF format) for the picture size and recordable time of a motion picture.

Still picture recording format:

JPEG (Design rule for Camera File system, based on Exif 2.2 standard)

Refer to the operating instructions (PDF format) for picture size of a still picture and number of recordable pictures.

Recording media:

SD Memory Card
SDHC Memory Card
SDXC Memory Card
Refer to page 12 for details on SD cards usable in this unit.

Image sensor:

1/2.3 type (1/2.3") 1MOS image sensor
Total: 12760 K
Effective pixels:
Motion picture: 6030 K (16:9)*
Still picture: 6030 K (16:9), 4720 K (4:3),
5210 K (3:2)

Lens:

Auto Iris, 20× optical zoom, F1.8 to F3.6

Focal length:

4.08 mm to 81.6 mm

(Full range AF)

35 mm equivalent:

Motion picture;

29.5 mm to 612 mm (16:9)*

Still picture;

29.5 mm to 612 mm (16:9),

36.2 mm to 724.6 mm (4:3),

33.5 mm to 669.9 mm (3:2)

Minimum focus distance;

Normal; Approx. 3 cm (Wide)/

Approx. 1.5 m (Tele)

Intelligent Auto Macro;

Approx. 1 cm (Wide)

Filter diameter:

49 mm

Zoom:

20× optical zoom, 50× i.Zoom, 60×/1500×

digital zoom

Image stabilizer function:

Optical (Hybrid Optical Image Stabilizer, Active

Mode (Rotation correction), Optical Image

Stabilizer Lock function)

Level Shot Function:

Off/Normal/Strong

Creative Control:

[Miniature Effect]/[Silent movie]/[8mm movie]/

[Time Lapse Rec]

HDR movie:

Low/High

Monitor:

7.5 cm (3.0") wide LCD monitor (Approx. 460 K dots)

Microphone:

5.1 channel surround microphone/

Zoom microphone/Focus microphone/

Stereo microphone

Minimum required illumination:

Approx. 2 lx (1/25 with Low Light Mode in the Scene Mode)

Approx. 1 lx with the Night Mode function

AV connector video output level:

1.0 Vp-p, 75 Ω, PAL system

HDMI micro connector video output level:

HDMI™ (x.v.Colour™) 1080p/1080i/576p

AV connector audio output level (Line):

251 mV, 600 Ω, 2 ch

Headphone output:

85 mV, 32 Ω (Stereo mini jack)

HDMI micro connector audio output level:

[AVCHD];

Dolby Audio/Linear PCM

[iFrame], [MP4];

Linear PCM

MIC input:

−60 dBV (Mic sensitivity −40 dB equivalent,

0 dB=1 V/Pa, 1 kHz)

(Stereo mini jack)

USB:

Reader function

SD card; Read only (No copyright protection support)

Hi-Speed USB (USB 2.0), USB terminal Type

micro AB

USB host function (for USB HDD)

Battery charging function (Charges from USB

terminal when the main unit is off)

Dimensions:

65.0 mm (W)×73 mm (H)×139 mm (D)

(including projecting parts)

Mass:

Approx. 351 g

[without battery (supplied) and an SD card

(optional)]

Mass in operation:

Approx. 396 g

[with battery (supplied) and an SD card

(optional)]

Operating temperature:

0 °C to 40 °C

Operating humidity:

10%RH to 80%RH

Battery operation time:

See page 11

* When Level Shot Function is set to normal or off

Wireless transmitter:

Compliance standard; IEEE802.11b/g/n

Frequency range used;

Central frequency 2412 MHz to 2462 MHz [11ch]

Encryption method; Wi-Fi compliant WPA™/

WPA2™/WEP

Access method; Infrastructure mode

AC adaptor

Information for your safety

Power source:AC \sim 110 V to 240 V, 50/60 Hz**AC input:**

0.25 A

DC output:DC \equiv 5.0 V, 1.8 A**Dimensions:**

(VSK0815N)

66.4 mm (W)×72 mm (H)×46.3 mm (D)

(VSK0815K)

66.4 mm (W)×78.8 mm (H)×31 mm (D)

(VSK0815Q)

66.4 mm (W)×60.7 mm (H)×31 mm (D)

(VSK0815M)

66.4 mm (W)×66.8 mm (H)×31 mm (D)

Mass:

(VSK0815N)

Approx. 70 g

(VSK0815K)

Approx. 65 g



(VSK0815Q)

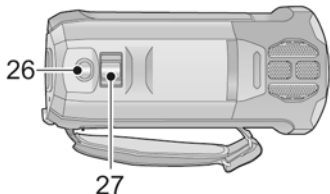
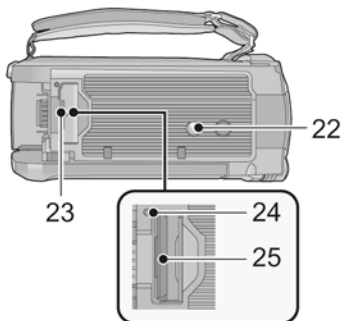
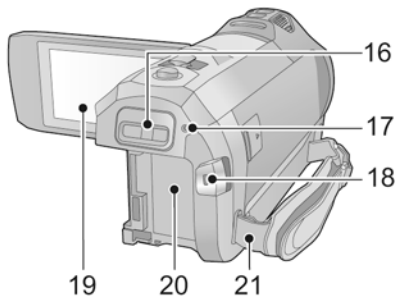
Approx. 64 g

(VSK0815M)

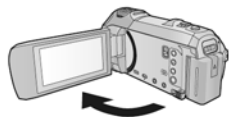
Approx. 62 g

The symbols on this product (including the accessories) represent the following:

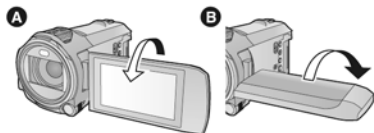
\sim	AC
\equiv	DC
	Class II equipment (The construction of the product is double-insulated.)
	ON
	Standby (OFF)



- 16 Shoe adaptor mounting part [SHOE ADAPTOR] (→ 213)
- 17 Status indicator (→ 16, 156)
- 18 Recording start/stop button (→ 22)
- 19 LCD monitor (Touch screen) (→ 18)



- It can open up to 90°.



- It can rotate up to 180° **A** towards the lens or 90° **B** towards the opposite direction.

- 20 Battery holder (→ 10)
- 21 Shoulder strap fixture

22 Tripod receptacle

- Attaching a tripod with a screw length of 5.5 mm or more may damage the unit.

23 SD card cover (→ 15)

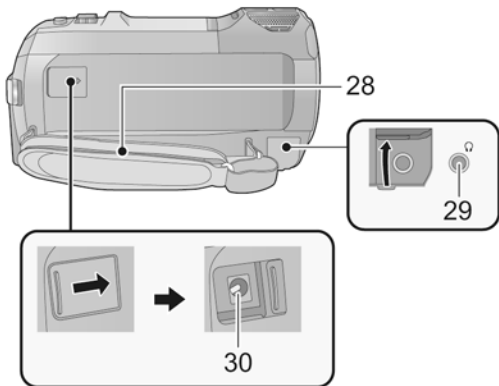
24 Access lamp [ACCESS] (→ 15)

25 Card slot (→ 15)

26 Photoshot button [] (→ 24)

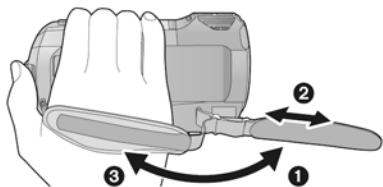
27 Zoom lever [W/T] (In Motion Picture Recording Mode or Still Picture Recording Mode) (→ 41)/

Thumbnail display switch []/ []/ []/
Volume lever [-VOL+] (In Playback Mode) (→ 28)



28 Grip belt

Adjust the length of the grip belt so that it fits your hand.



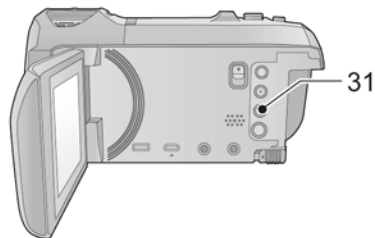
- 1 Flip the belt.
- 2 Adjust the length.
- 3 Replace the belt.

29 Headphone terminal [] (→ 68)

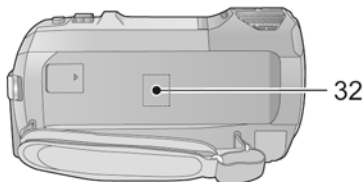
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- Listening at full volume for long periods may damage the user's ears.

30 DC input terminal [DC IN] (→ 11)

- Do not use any other AC adaptors except the supplied one.



31 Wi-Fi button [Wi-Fi]
(→ 129, 134, 137, 143, 145, 149, 163, 166)

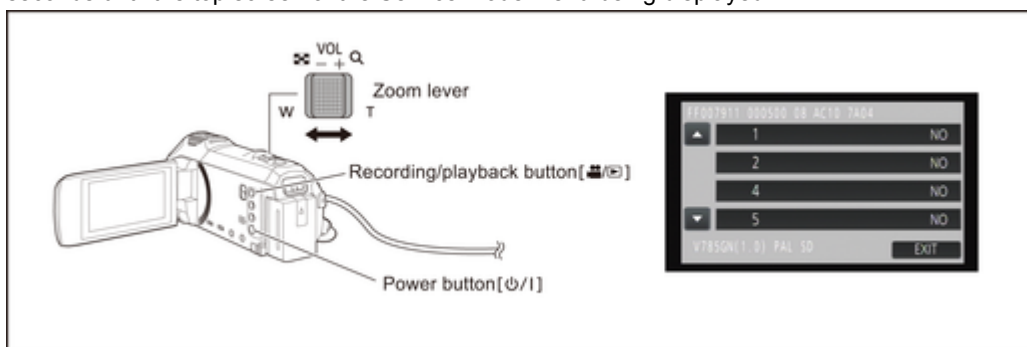


32 Wi-Fi Transmitter (→ 128)

6 Service Mode

Indication method of the service menu

1. Keep pressing the “Power” button, “Zoom lever” to W side and “Recording/playback” button for more than 3 seconds until the top screen of the Service Mode Menu being displayed.



Service mode menu

Screen display	Contents	Function
1	Factory Setting	Function to throw a product up in a factory shipment state.
2	Model/Destination Settings	Change the Model/Destination. (Selectable models and destinations are displayed.)
4	Lock Search and Error History Indication	Display the camera system error code for three histories saved in EEPROM.
5	Power ON Self Check Result Display	Power ON self check (function to diagnose correct function of the device and interface between devices) result display.
14	Adjutment function for the Service	The service adjustment do setup and adjustment of the following items required in the field service.
15	Restore the backed up adjustment data	Restore the adjustment data to new or repaired Main P.C.B. from SD card that the data backed up from original Main P.C.B. before repairs or replacement.
16	Touch Panel Calibration	Calibrate the touch positions of the touch panel.

NOTE:

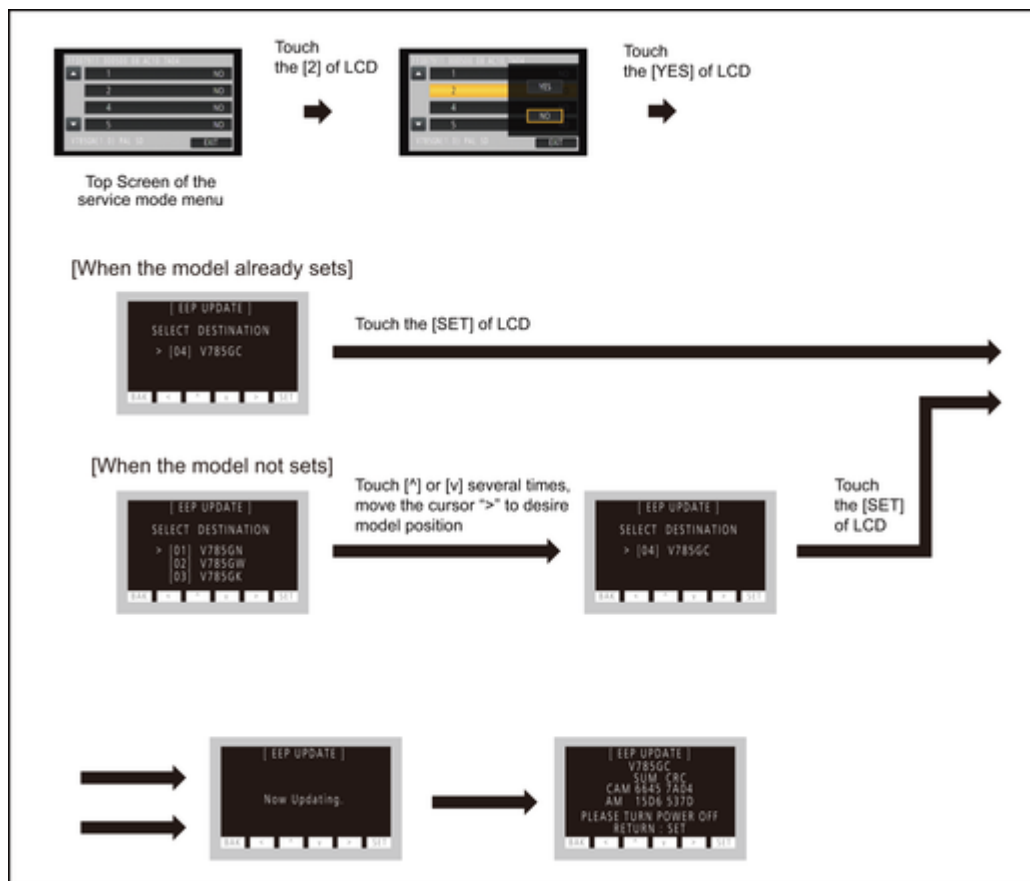
Do not using service mode except above table of Service mode menu.

2. End method of the top screen of the service mode menu
Touch the [EXIT] of LCD to end the service mode, and then POWER OFF.

6.1 Model/Destination Settings

Touch the [2] of LCD, select model/destination settings.

Operation specifications



Function description

- Change the Model/Destination
Display the lists of model/destination which the unit can be changed, if a shipment setup is finished. Therefore in some cases, the model/destination that is currently set is only displayed.

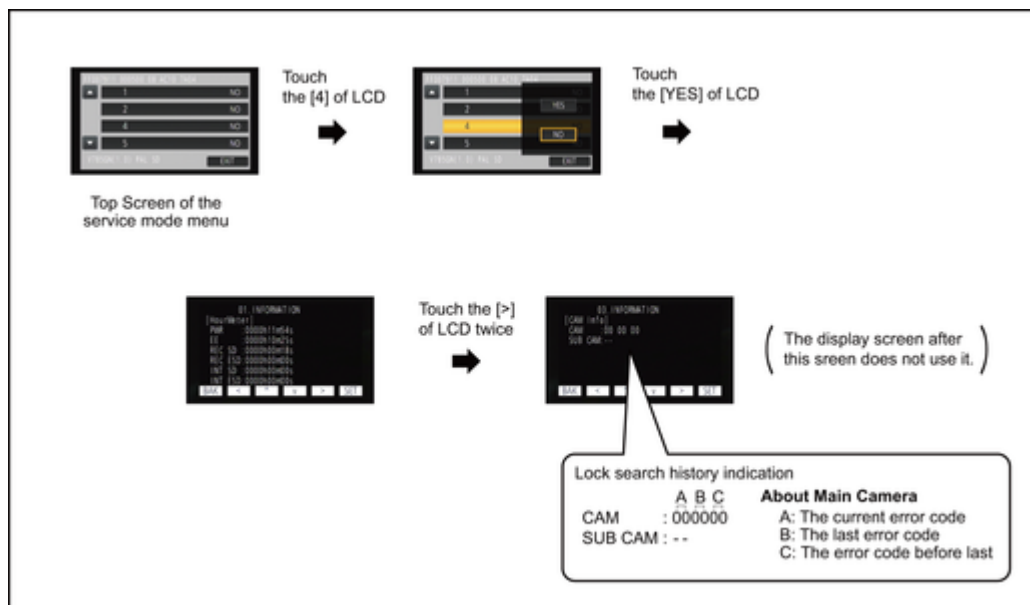
End method of operation

- Touch the [SET] of LCD to exit the model/destination settings, and then POWER OFF.

6.2 Lock Search and Error History Indication

Touch the [4] of LCD, select Lock search and error history indication.

Operation specifications



Indication contents

- Lock search history indication of main camera
Display the main camera system error code for three histories saved in EEPROM.
- The error code contents which are displayed

Error code	Description	Problematic Parts
51	Focus control is abnormal	Camera Lens Unit
52	Zoom control is abnormal	2nd Stepping Motor / Camera Lens Unit
53	OIS lens control is abnormal	Camera Lens Unit
54	Zoom control is abnormal (2)	3rd Stepping Motor / Camera Lens Unit
55	Zoom control is abnormal (3)	4th Stepping Motor / Camera Lens Unit
71	Lens barrier open/close is abnormal	Barrier Motor Unit / Lens Frame Unit

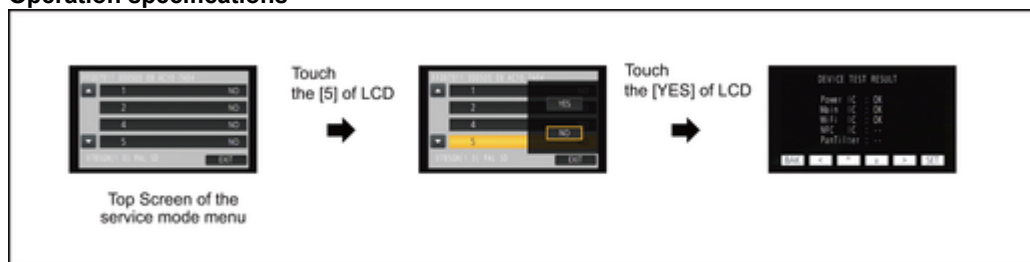
End method of operation

- Touch the [BAK] of LCD to exit the lock search and error history indication, and then POWER OFF.

6.3 Power ON Self Check Result Display

Touch the [5] of LCD, select Power ON self check result display.

Operation specifications



Indication contents

- Power ON self check result display
Function to diagnose correct function of the device and interface between devices result display.
Display the following communication test result.

- Power IC : Communication test between IC3401 and IC1503.
- Main IC : DDR. Communication test inside IC3401.
- WiFi IC : Communication test between IC3401 and Wi-Fi P.C.B..
- NFC IC : -- (Excluded).

Display other than “OK” are abnormalities of each lines.

- PanTilter : Error display of the Remote Pan Tilt Cradle (VW-CTR1)
(When not connected the remote pan tilt cradle, display “--”.)
When error is occurred, display “NG” with the error code.

Error Code	Description
NG 01	Battery undercut
NG 04	The start-up state of the update error factor
NG 10	The failure of Tilt motor
NG 80	USB Communication Error

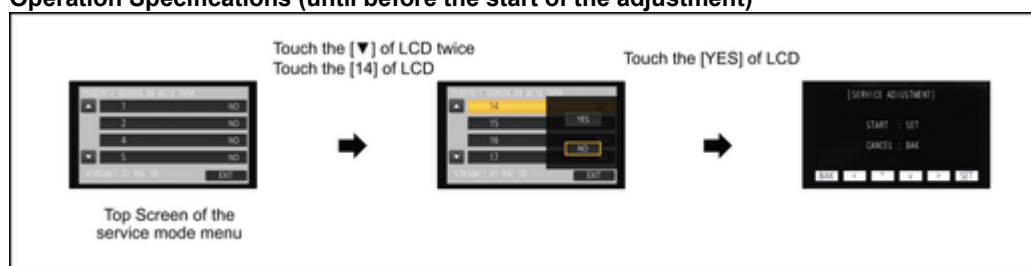
End method of operation

- Touch the [BAK] of LCD to exit the power on self check result display, and the POWER OFF.

6.4 Adjustment function for the Service

Touch the [14] of LCD, select the adjustment function for the service.

Operation Specifications (until before the start of the adjustment)



Function description

The service adjustment do setup and adjustment of the following items required in the field service.

For a detailed content, such as the adjustment procedure, refer to “9 Measurements and Adjustments”.

- Model setting
- Setting of the file name for adjustment data backup to SD card.
- Execution of adjustment data backup to SD card
- Checking of Switches
- Camera adjustment
- Zoom Tracking adjustments
- Indoor White Balance Adjustment
- Outdoor White Balance Adjustment
- Level shot adjustment

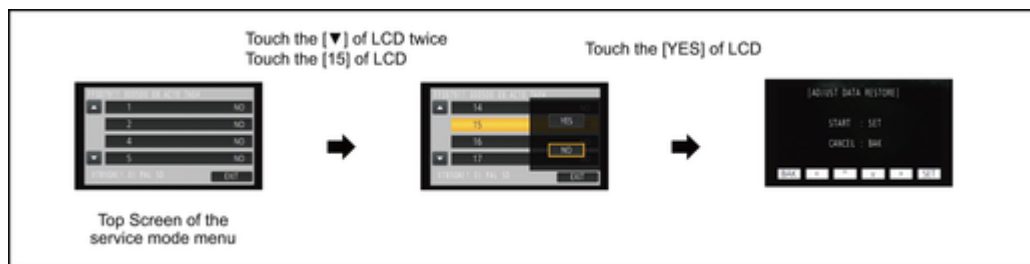
End method of operation

- Press the power button to turn the unit off.

6.5 Restore the backed up adjustment data

Touch the [15] of LCD, select restoring the backed up adjustment data from SD card to the unit.

Operation Specifications

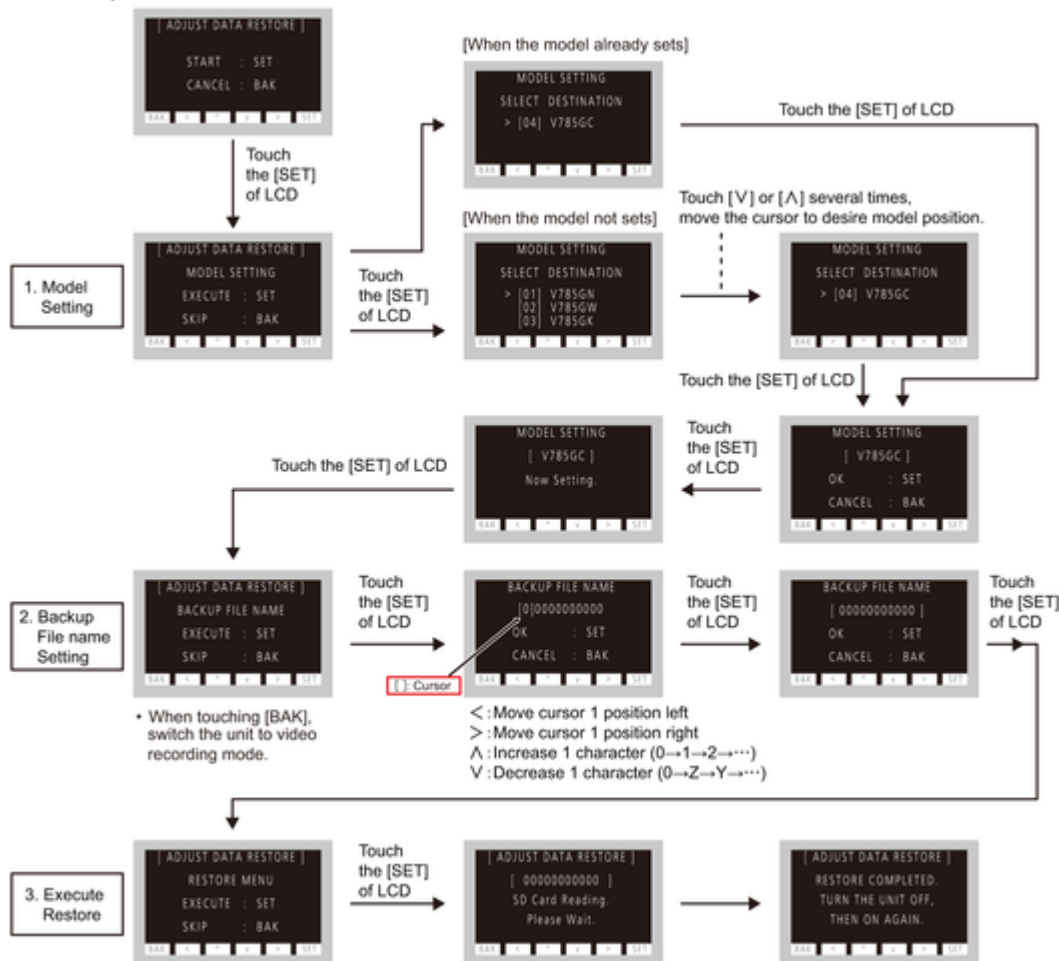


Function description

Restore the adjustment data to new or repaired Main P.C.B. from SD card that the data backed up from original Main P.C.B. before repairs or replacement.

To backup the adjustment data, use "6.4. Adjustment function for the Service".

Restoring procedure



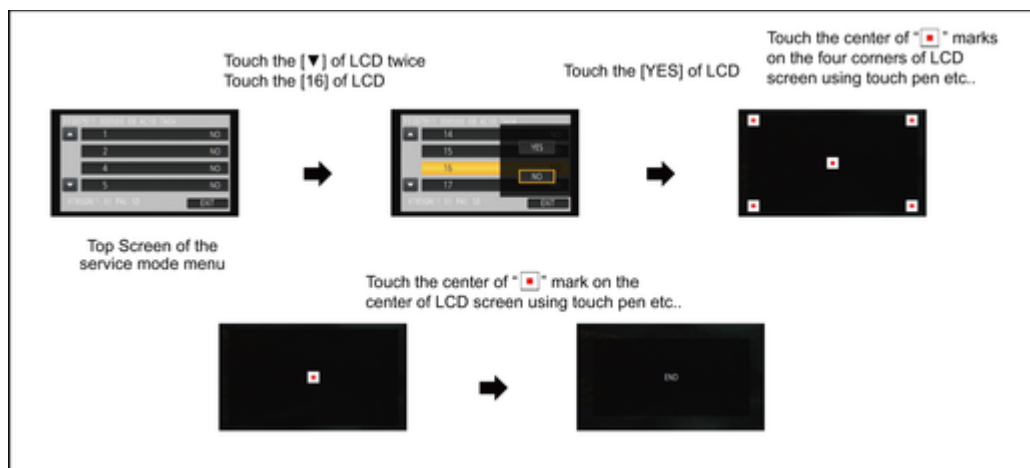
End method of operation

- Press the power button to turn the unit off.

6.6 Touch Panel Calibration

Touch the [16] of LCD, select the calibration of touch panel.

Operation Specifications



Function description

Calibrate the touch positions of the touch panel.

End method of operation

- Press the power button to turn the unit off.

7 Service Fixture & Tools

7.1 When Replacing the Main P.C.B.

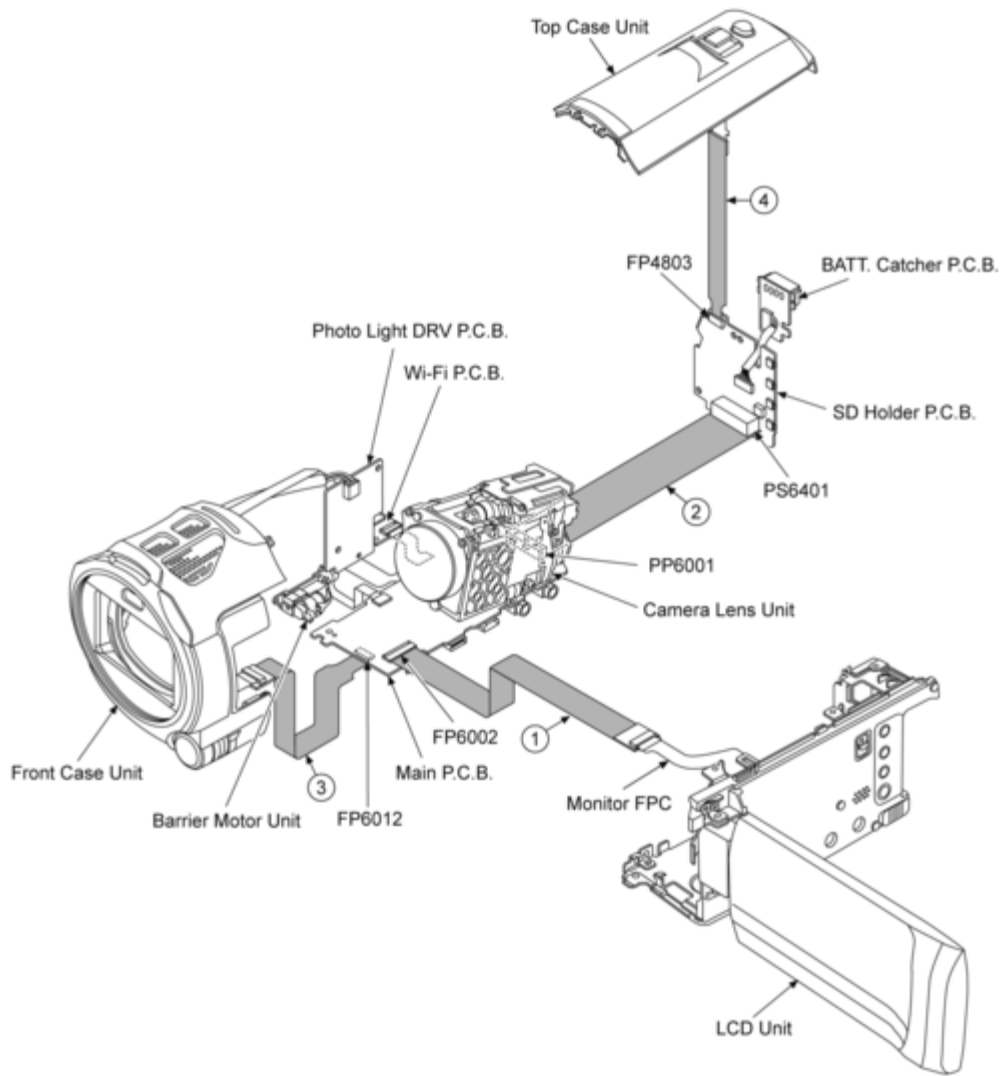
After replacing the MAIN P.C.B., be sure to achieve adjustment.

7.2 Service Position

This Service Position is used for checking and replacing parts. Use the following Extension cables for servicing.

No.	Parts No.	Connection	Form
1	RFKZ0354	FP6002(MAIN) - MONITOR FPC	37PIN 0.3 FFC
2	VFK1581A6025	PP6001(MAIN) - PS6401(SD HOLDER)	60PIN 0.5 B to B
3	VFK1388	FP6012(MAIN) - FRONT FFC	12PIN 0.5 FFC
4	VFK1440	FP4803(SD HOLDER) - TOP CASE UNIT	10PIN 0.5 FFC

7.2.1 Extention Cable Connection

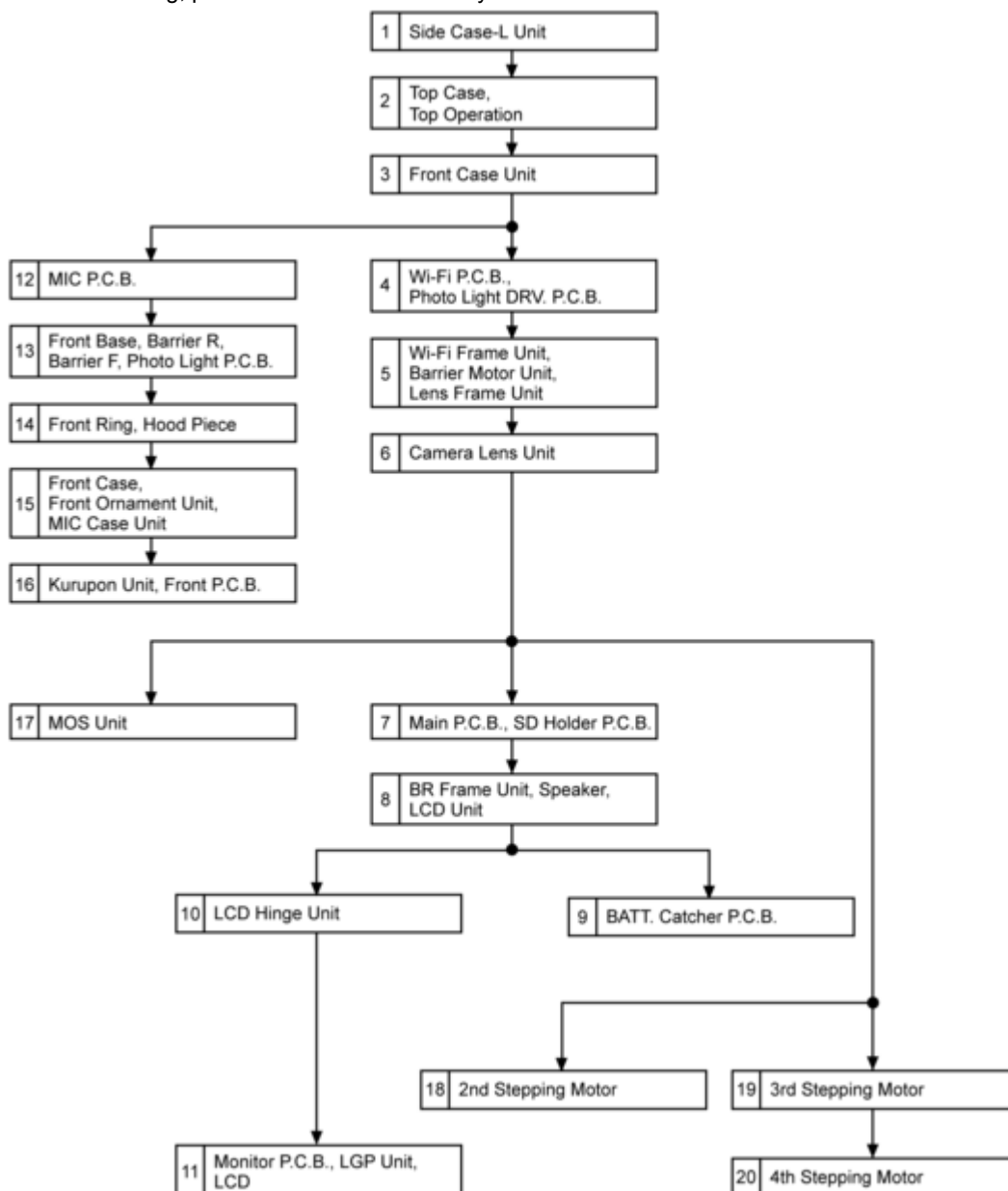


8 Disassembly and Assembly Instructions

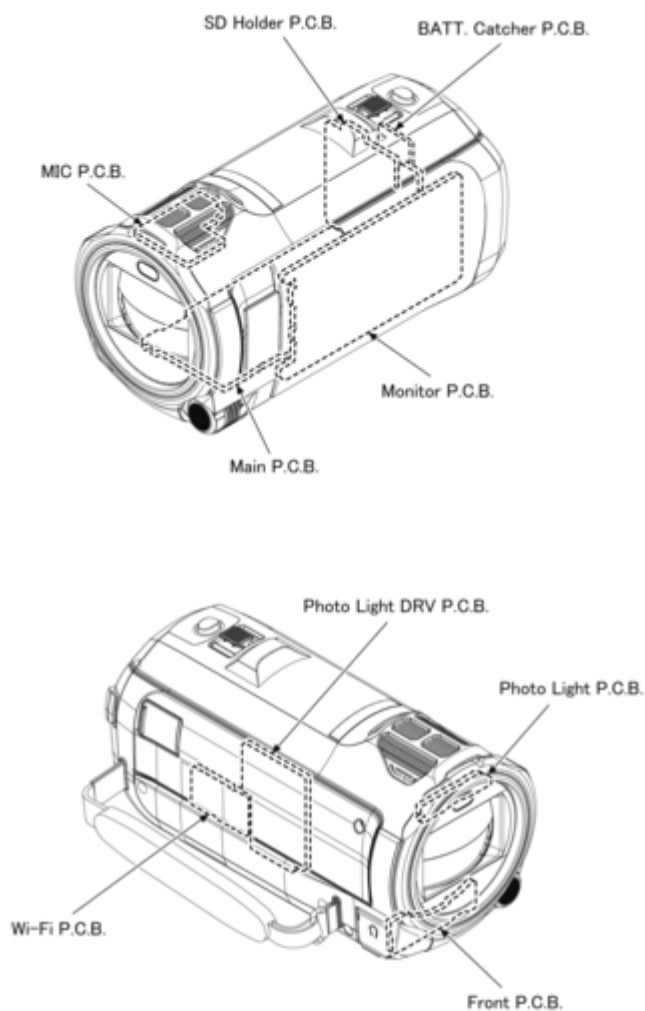
8.1 Disassembly Flow Chart for the Unit

This is a disassembling chart.

When assembling, perform this chart conversely.



8.2 PCB Location



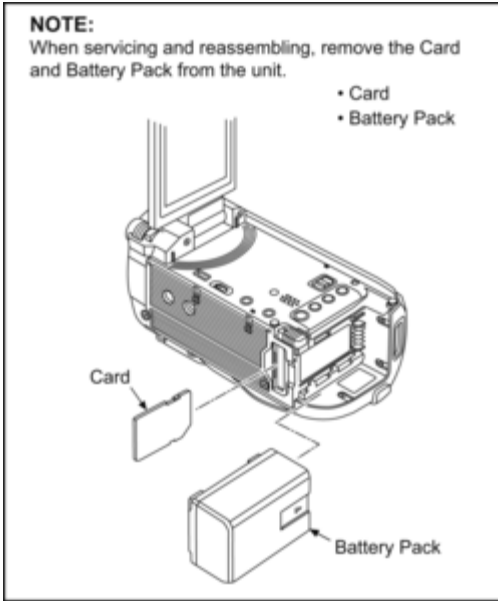
8.3 Disassembly Procedure for the Unit

No.	Item	Fig.	Removal
1	Side Case-L Unit	(Fig. D1)	Screw (A) × 2
			Screw (B) × 2
		(Fig. D2)	Screw (C) × 3
			Locking tab ×3
			Side Case-L Unit
		(Fig. D3)	Screw (D) × 1
			Locking tab ×1
			SS Button
			Jack Cover Piece
			SS Lever
			Jack Door Spring
			DC Jack Cover Unit
			Screw (E) × 2
			HP Jack Cover Piece
HP Jack Cover			
2	Top Case,	(Fig. D4)	Screw (F) × 1

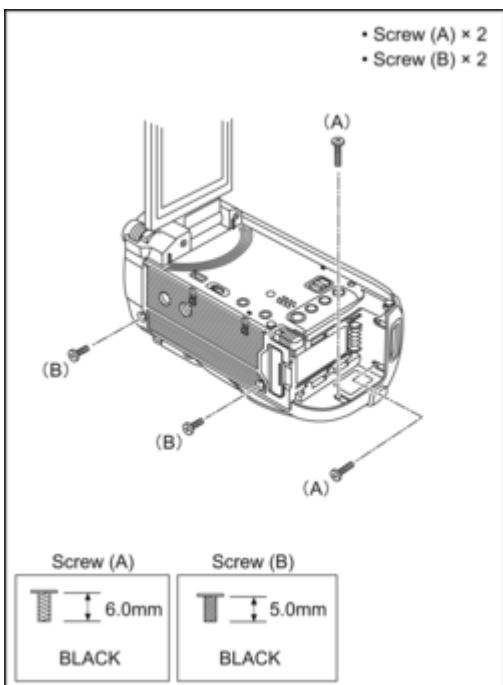
	Top Operation		Screw (G) × 1
		(Fig. D5)	Screw (H) × 1
			Locking tab × 1
			Projecting part × 2
			FP4803 (Flex)
		(Fig. D6)	Screw (I) × 4
			Convex × 2
			Top Shoe Angle
			Screw (J) × 3
			Locking tab × 1
			Top Operation
			Power Panel Light
			Shoe Cover
			Cover Open Spring
			Locking tab × 1
			Top Ornament
			Top Case
		(Fig. D7)	(When Installing)
3	Front Case Unit	(Fig. D8)	Screw (K) × 1
			Screw (L) × 2
		(Fig. D9)	Flex A
			Lead wire A
			Screw (M) × 1
			Locking tab × 1
			Convex × 1
			FP6012 (Flex)
			Front Case Unit
4	Wi-Fi P.C.B., Photo Light DRV P.C.B.	(Fig. D10)	Flex B
			Flex C
			Screw (O) × 3
			Hooking part × 1
			Wi-Fi P.C.B.
			Photo Light DRV P.C.B.
5	Wi-Fi Frame Unit, Barrier Motor Unit, Lens Frame Unit	(Fig. D11)	Screw (P) × 3
			Convex × 3
			Hooking part × 2
			Wi-Fi Frame Unit
		(Fig. D12)	Screw (Q) × 1
			Hooking part × 3
			FP6005 (Flex)
		(Fig. D13)	Screw (R) × 2
			Barrier Motor Unit
			Lens Frame Unit
6	Camera Lens Unit	(Fig. D14)	FP6008 (Flex)
			FP301 (Flex)
			Convex × 2
			Camera Lens Unit
7	Main P.C.B., SD Holder P.C.B.	(Fig. D15)	Screw (S) × 5
			Hooking part × 3
			Heat Radiation Plate Unit
		(Fig. D16)	P6003 (Connector)
			P6401 (Connector)
			FP6002 (Flex)
			Hooking part × 1
		(Fig. D17)	Main P.C.B.

			SD Holder P.C.B.
8	BR Frame Unit, Speaker, LCD Unit	(Fig. D18)	Screw (V) × 2
			Screw (W) × 2
			Screw (X) × 2
			Locking tab × 2
			Convex × 4
		(Fig. D19)	BR Frame Unit
			Shoe Lock Knob
			Shoe Lock Spring
			Speaker
			LCD Lever
		(Fig. D20)	Convex × 3
(Fig. D20)	Convex × 2		
(Fig. D20)	LCD Unit		
9	BATT. Catcher P.C.B.	(Fig. D21)	SD Door Unit
			SR OP Button
		(Fig. D22)	Hooking part × 2
			BATT. Frame
		(Fig. D22)	BATT. Catcher P.C.B.
10	LCD Hinge Unit	(Fig. D23)	Screw (Y) × 2
			Screw (Z) × 2
			Locking tab × 8
			LCD Case (T) Unit
			FP901 (Flex)
		(Fig. D24)	LCD Hinge Unit
			Screw (a) × 1
			Convex × 3
(Fig. D24)	LCD Frame A		
11	Monitor P.C.B., LGP Unit, LCD	(Fig. D25)	FP904(Flex)
			FP905(Flex)
			Locking tab × 1
			Hooking part × 1
			Monitor P.C.B.
			Locking tab × 4
			LGP Unit
			LCD
			TP Spacer
			LCD Frame B
		LCD Case (B) Unit	
		(Fig. D26)	Reflection Sheet
			Light Guide Plate
			Diffusion Sheet
			Prism Sheet B
			Prism Sheet A
			LGP Holder
12	MIC P.C.B.	(Fig. D27)	Screw (b) × 1
			FP4802 (Flex)
		(Fig. D27)	MIC P.C.B.
13	Front Base, Barrier R, Barrier F, Photo Light P.C.B.	(Fig. D28)	Projecting part × 3
			Lens Damper Rubber
			Screw (c) × 5
		(Fig. D29)	Front Base
			Barrier R
			Barrier F
(Fig. D29)	Hooking part × 1		

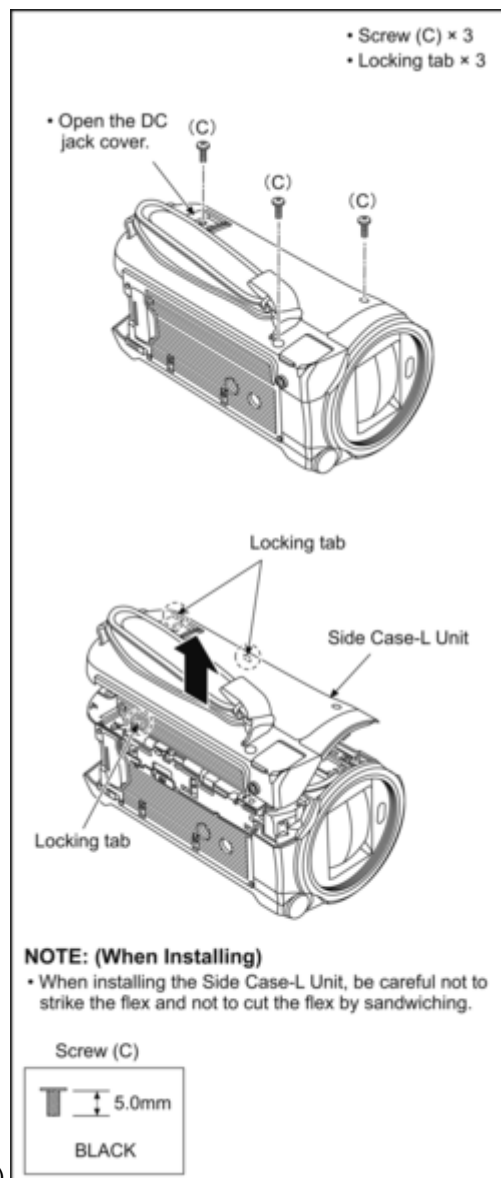
			Convex × 2
			Photo Light P.C.B.
14	Front Ring, Hood Piece	(Fig. D30)	Screw (d) × 2
			Front Ring
			Convex × 2
			Locking tab ×6
			Hood Piece
			LED Light Cover
			Hood Mask
			LED Light Lens
15	Front Case, Front Ornament Unit, MIC Case Unit	(Fig. D31)	Screw (e) × 1
			Screw (f) × 1
			Convex × 1
			Locking tab ×1
			Convex × 2
			Locking tab ×1
			Front Case
			Locking tab ×2
			MF Ornament
			Front Ornament Unit
		(Fig. D32)	Screw (g) × 2
			MIC Earth Plate
			MIC Case Unit
			MIC Net Cover
16	Kurupon Unit, Front P.C.B.	(Fig. D33)	Screw (h) × 2
			Locking tab ×2
			Convex × 2
			FR Earth Angle
			FP6501 (Flex)
			Kurupon Unit
			Locking tab ×1
			Convex × 2
			Front P.C.B.
17	MOS Unit	(Fig. D34)	Screw (i) × 3
			Convex × 2
			MOS Unit
			MOS Cushion
18	2nd Stepping Motor	(Fig. D35)	Solder × 4 points
			Screw (k) × 2
			2nd Stepping Motor
19	3rd Stepping Motor	(Fig. D36)	Solder × 4 points
			Screw (m) × 3
			Convex × 1
			3rd Stepping Motor
20	4th Stepping Motor	(Fig. D37)	Solder × 4 points
			Screw (n) × 2
			Convex × 2
			4th Stepping Motor



8.3.1 Removal of the Side Case-L Unit

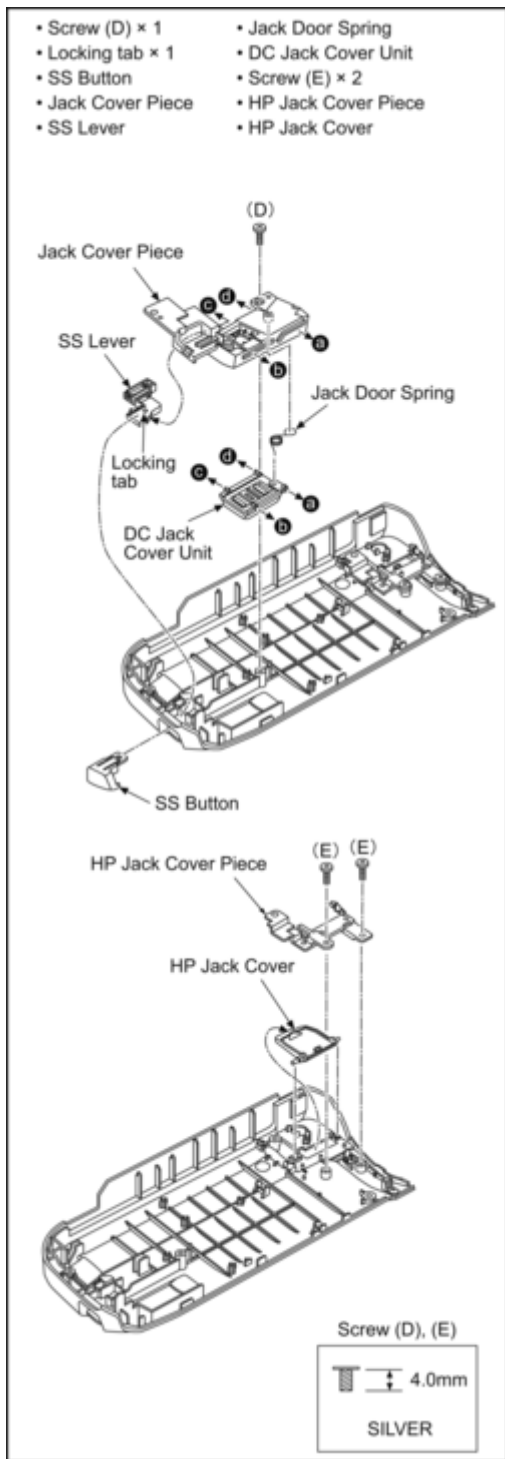


(Fig. D1)

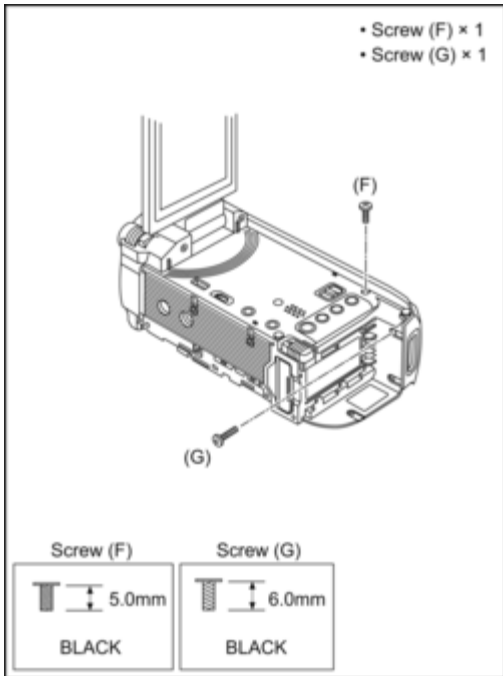


(Fig. D2)

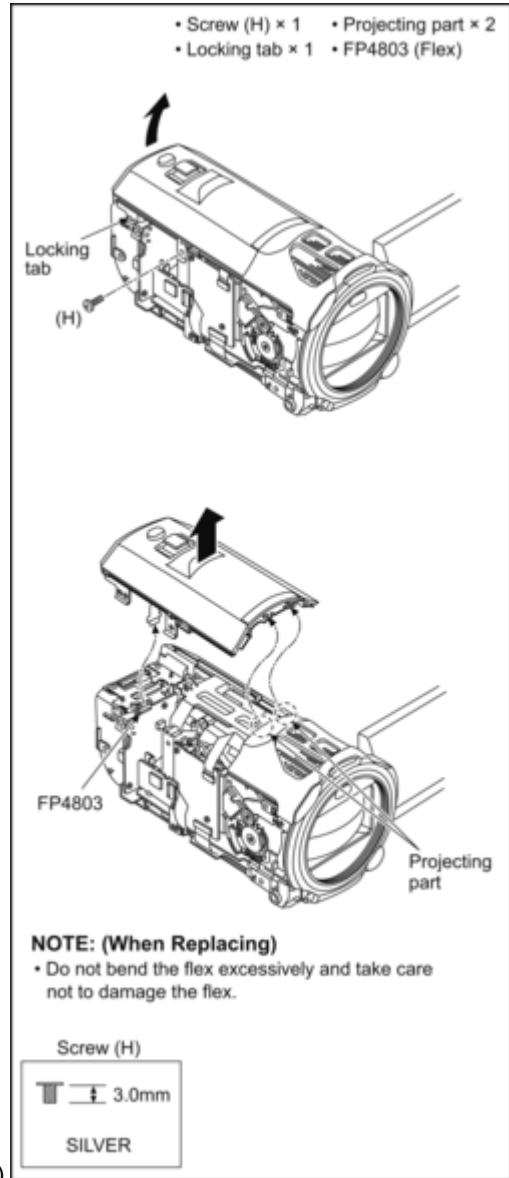
(Fig. D3)



8.3.2 Removal of the Top Case, Top Operation

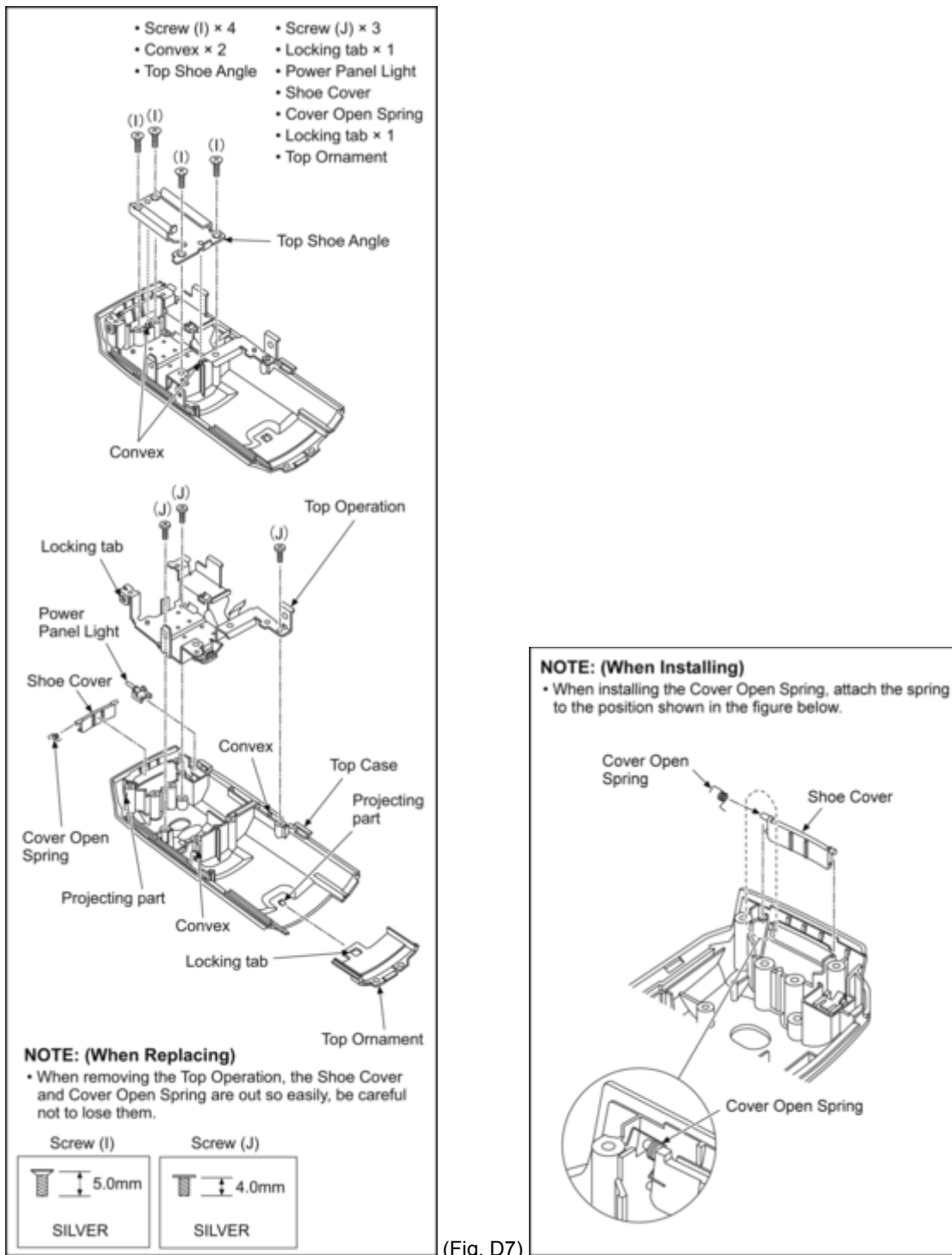


(Fig. D4)



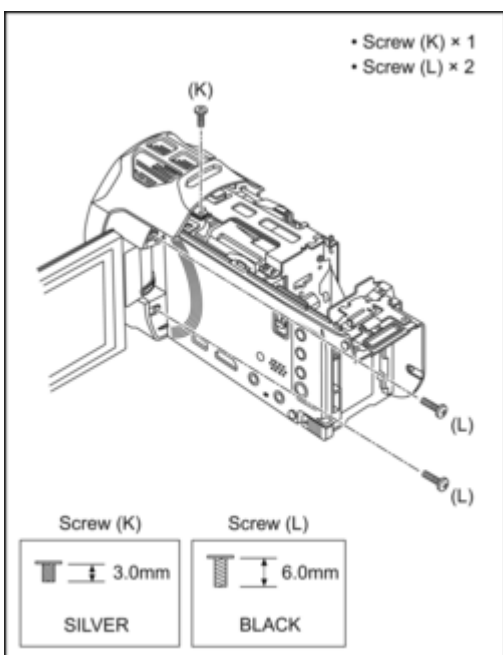
(Fig. D5)

(Fig. D6)

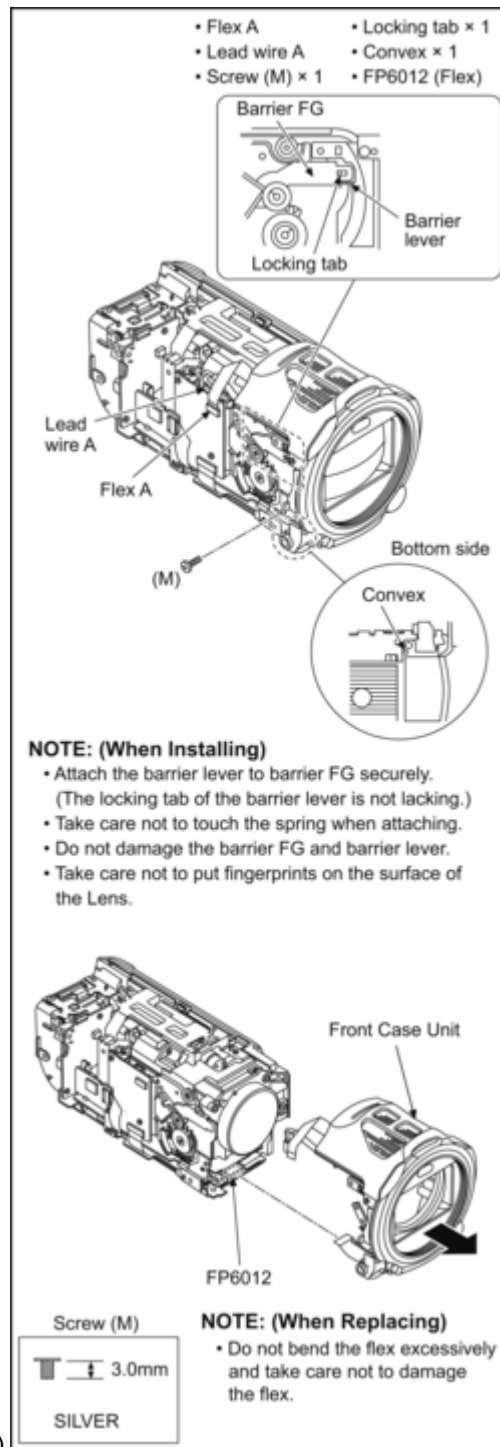


(Fig. D7)

8.3.3 Removal of the Front Case Unit

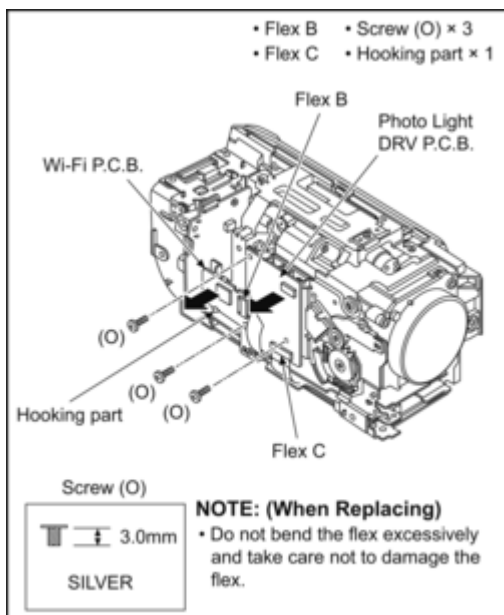


(Fig. D8)



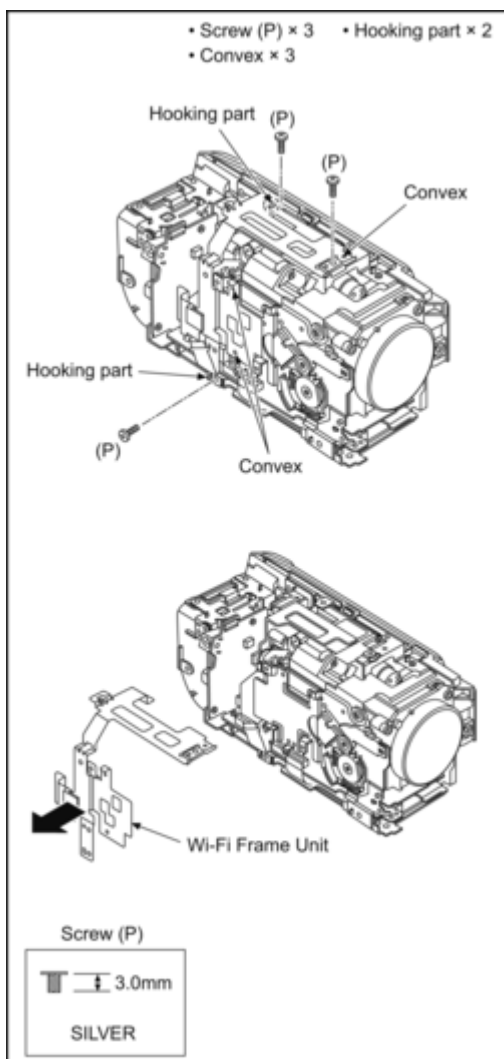
(Fig. D9)

8.3.4 Removal of the Wi-Fi P.C.B., Photo Light DRV P.C.B.

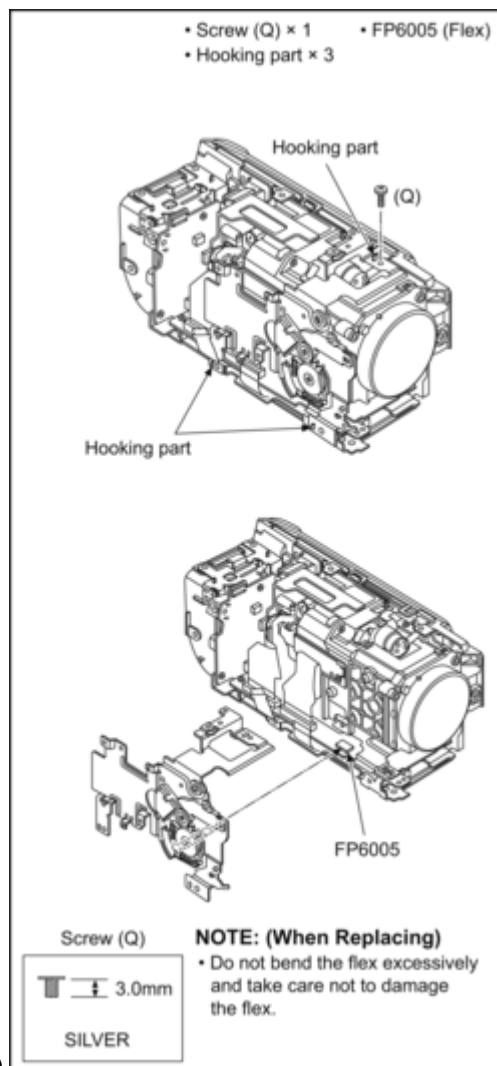


(Fig. D10)

8.3.5 Removal of the Wi-Fi Frame Unit, Barrier Motor Unit, Lens Frame Unit

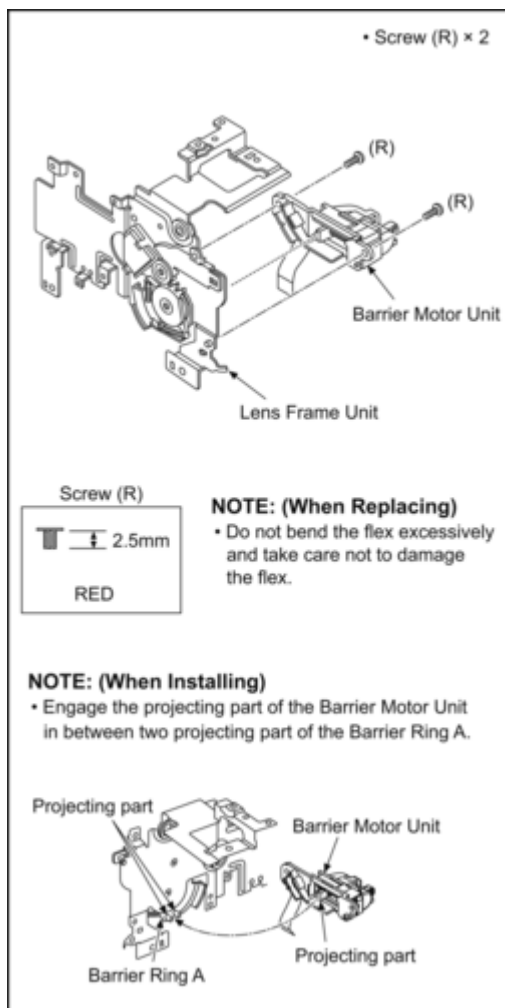


(Fig. D11)



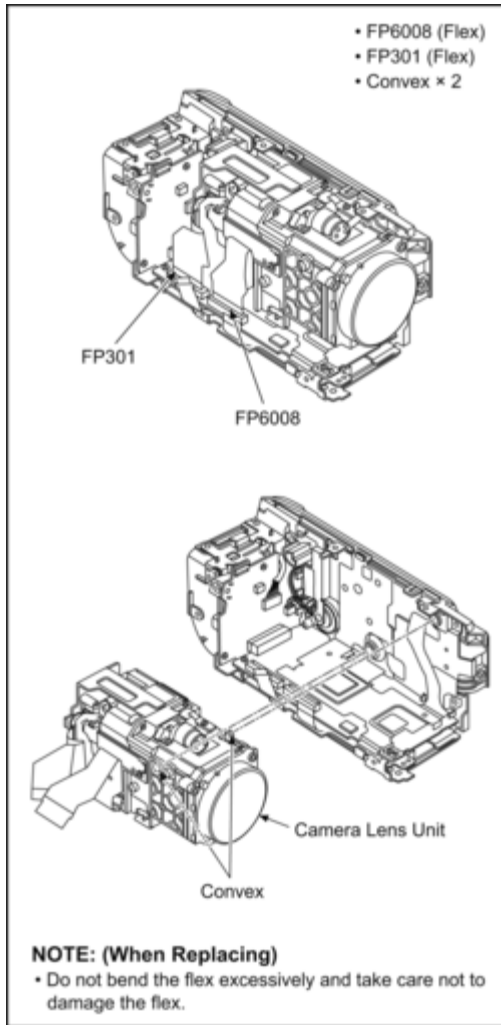
(Fig. D12)

(Fig.



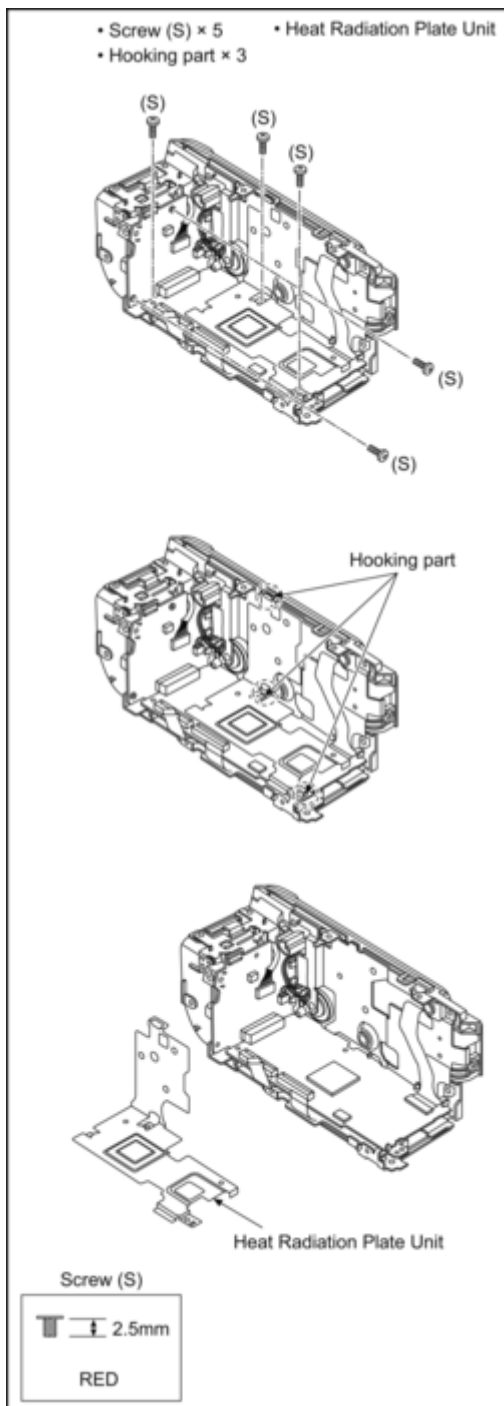
D13)

8.3.6 Removal of the Camera Lens Unit

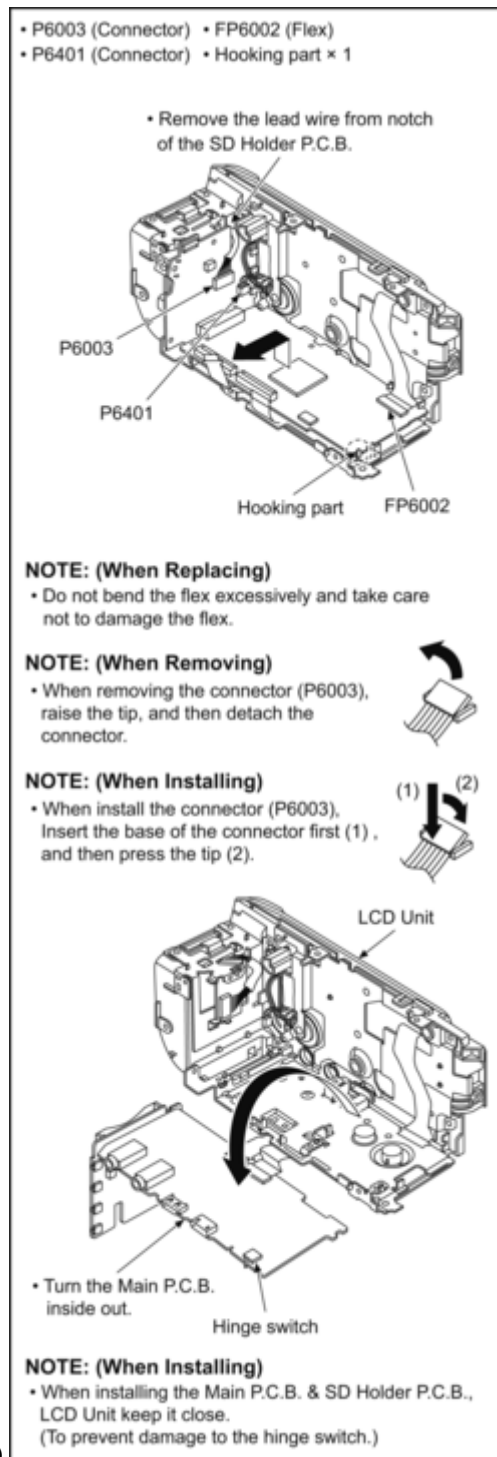


(Fig. D14)

8.3.7 Removal of the Main P.C.B., SD Holder P.C.B.

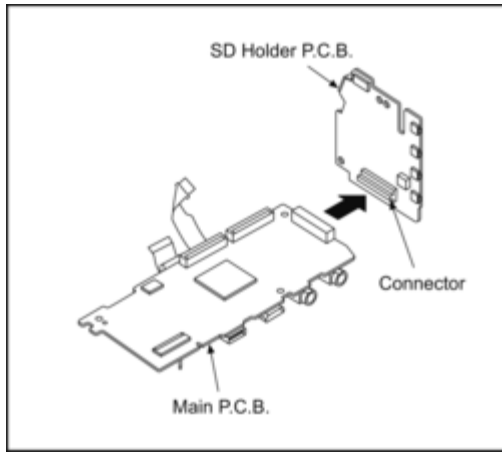


(Fig. D15)



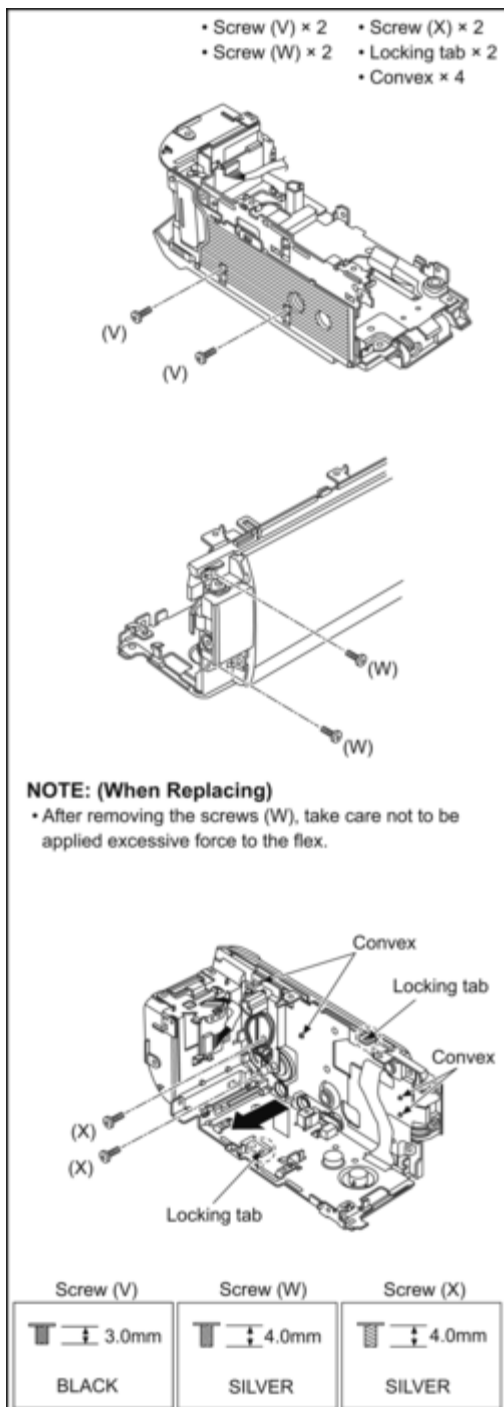
(Fig. D16)

(Fig.)

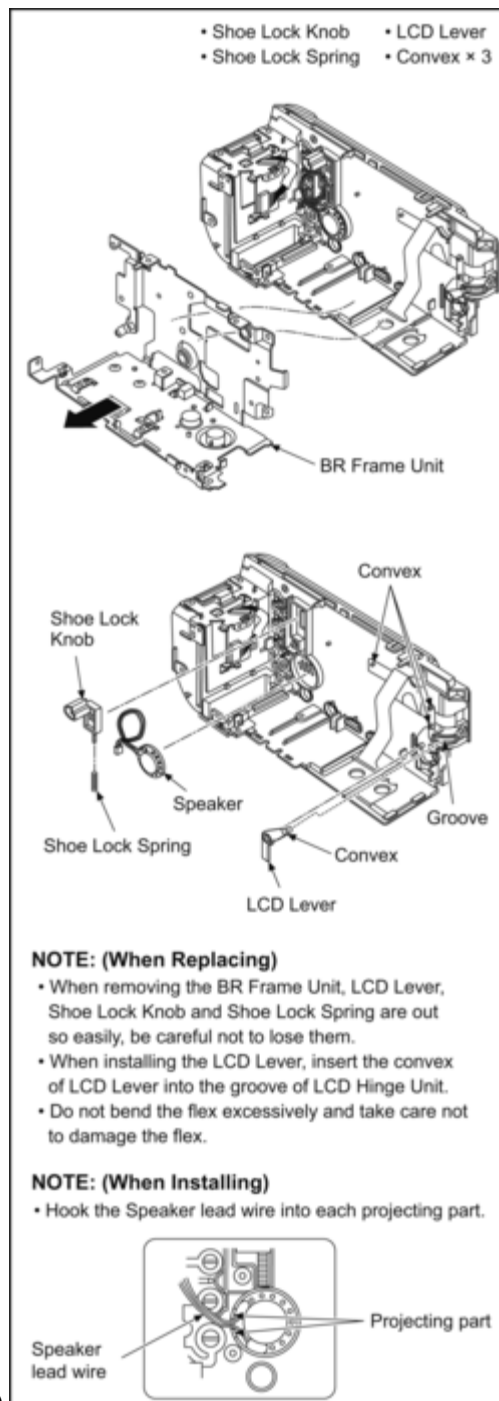


D17)

8.3.8 Removal of the BR Frame Unit, Speaker, LCD Unit

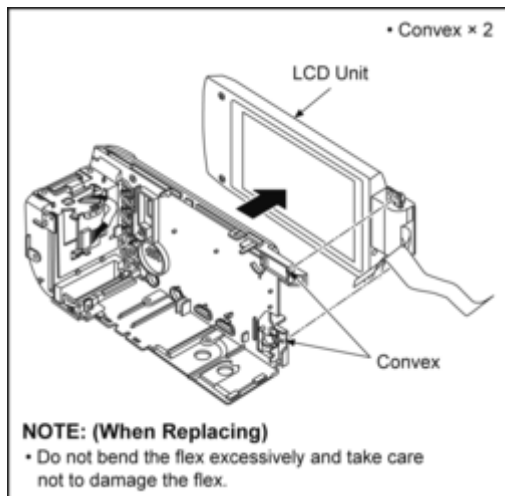


(Fig. D18)



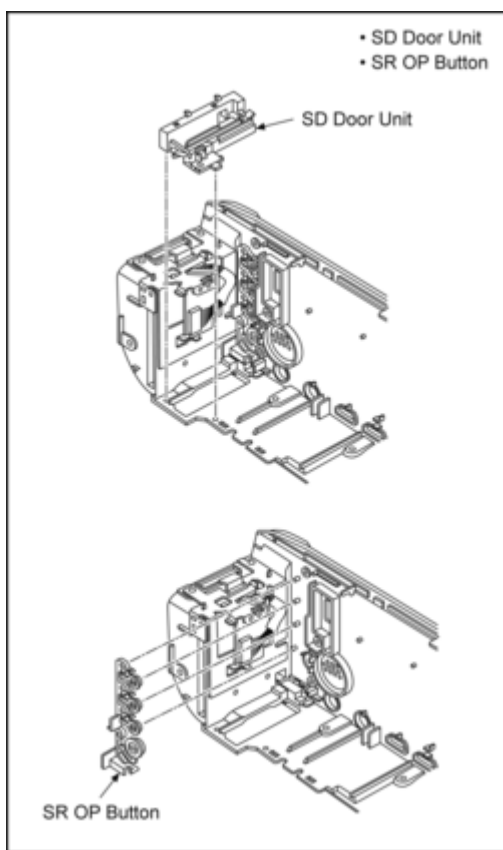
(Fig. D19)

(Fig.

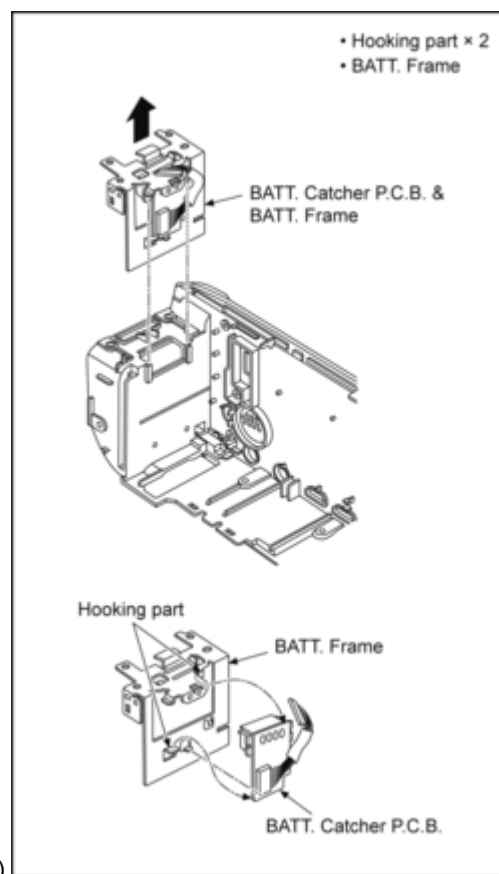


D20)

8.3.9 Removal of the BATT. Catcher P.C.B.

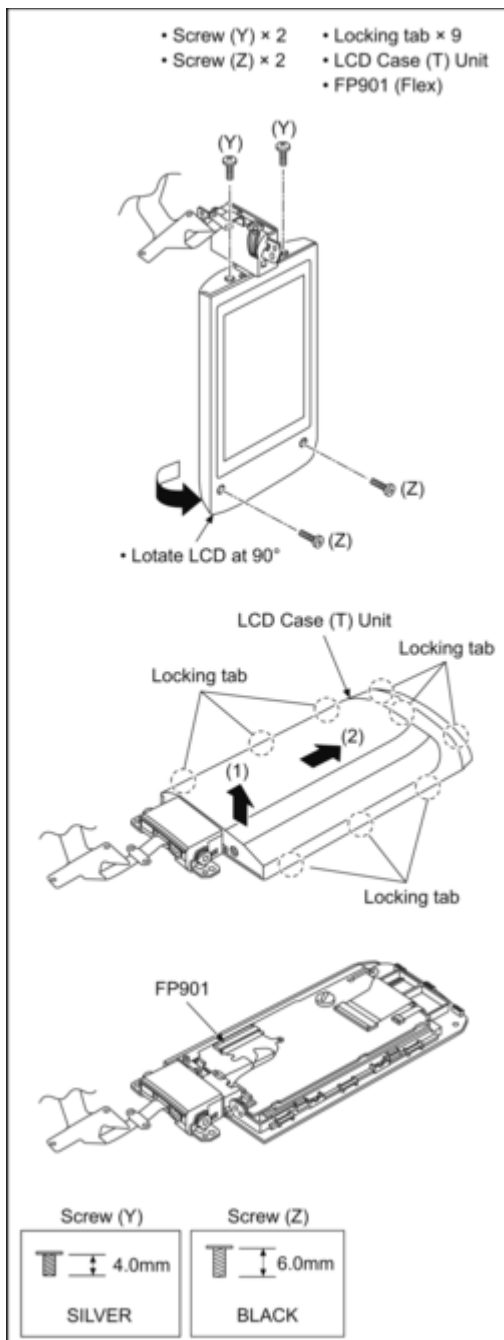


(Fig. D21)

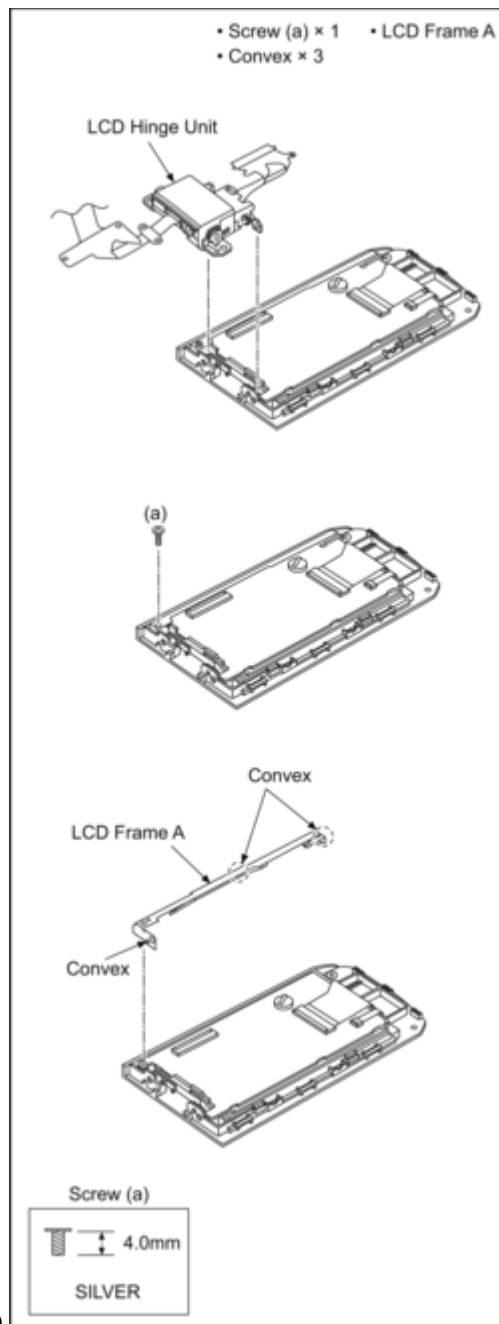


(Fig. D22)

8.3.10 Removal of the LCD Hinge Unit

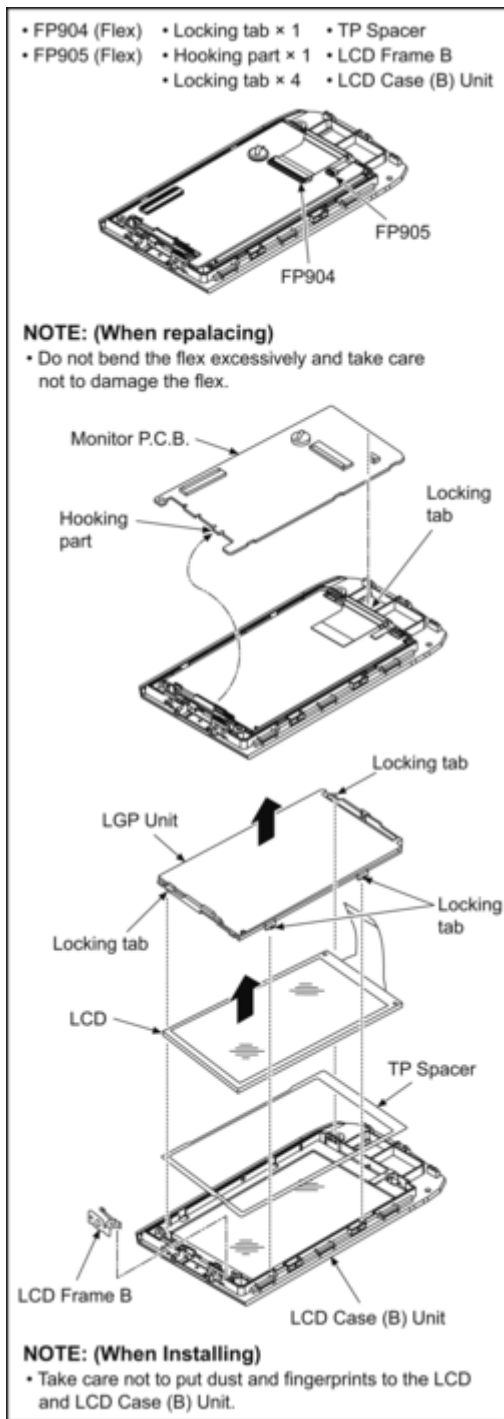


(Fig. D23)

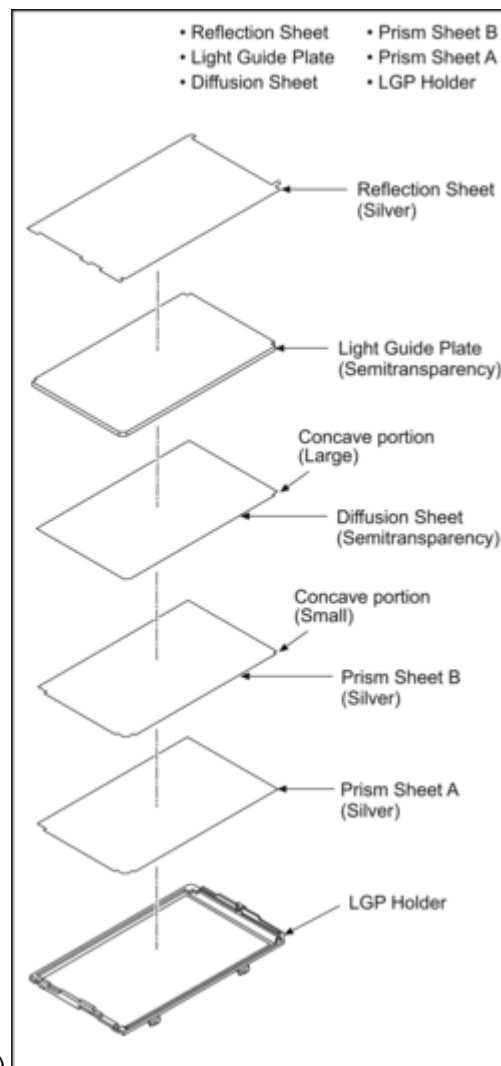


(Fig. D24)

8.3.11 Removal of the Monitor P.C.B., LGP Unit, LCD

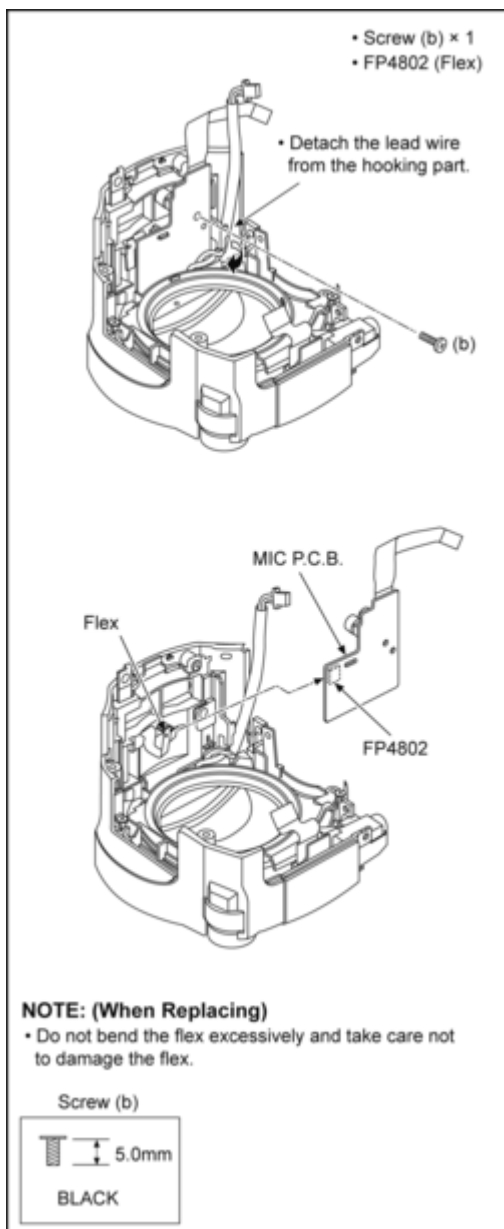


(Fig. D25)



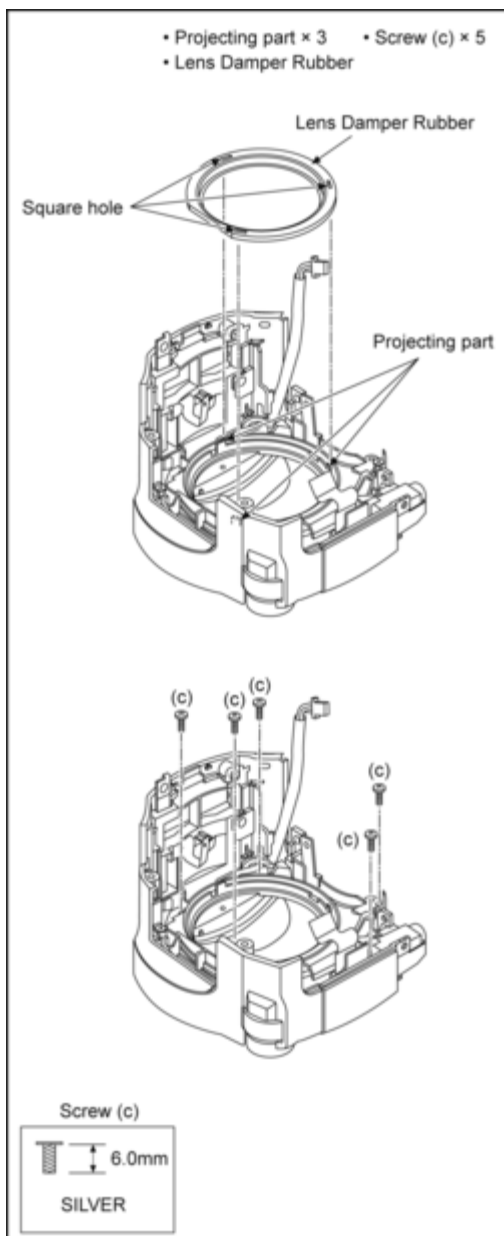
(Fig. D26)

8.3.12 Removal of the Mic P.C.B.

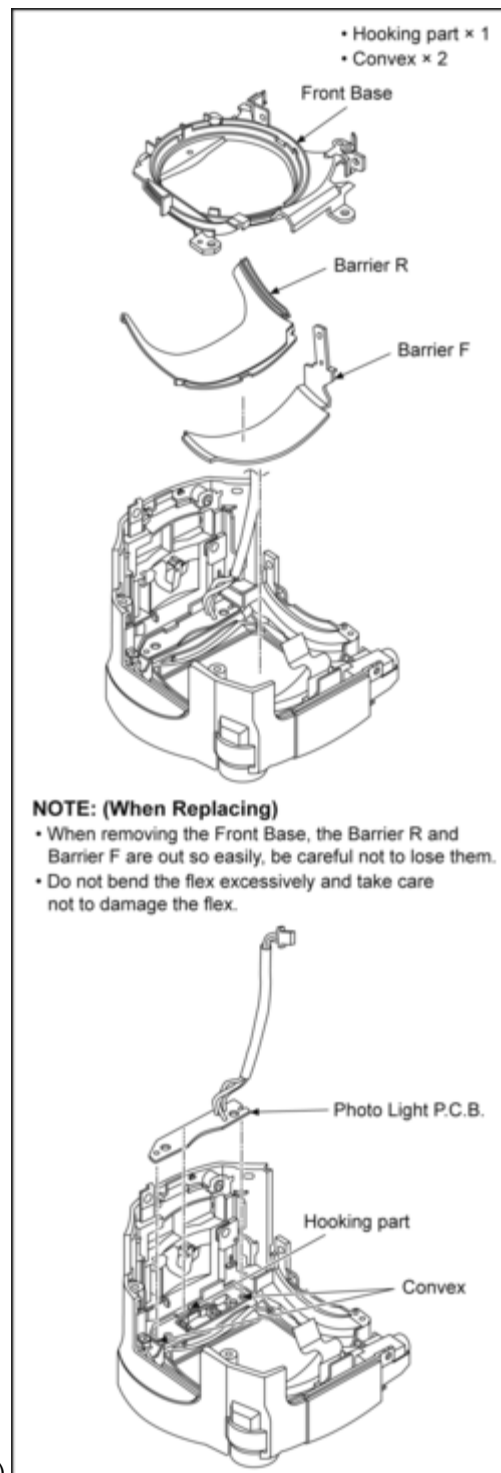


(Fig. D27)

8.3.13 Removal of the Front Base, Barrier R, Barrier F, Photo Light P.C.B.

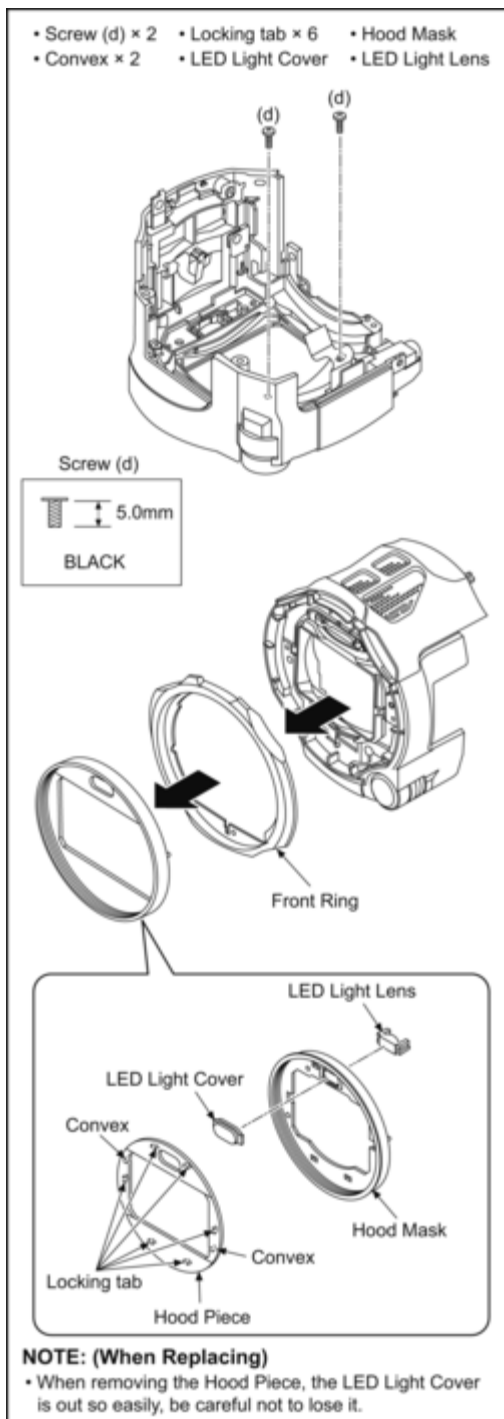


(Fig. D28)



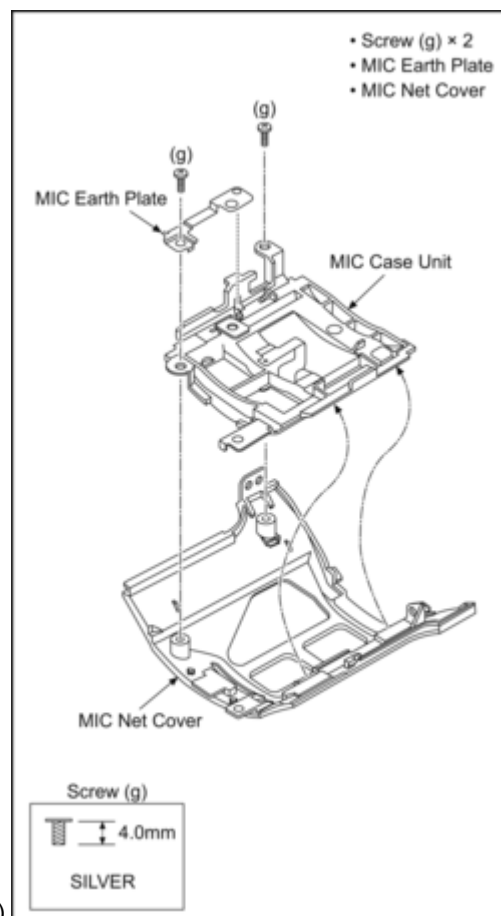
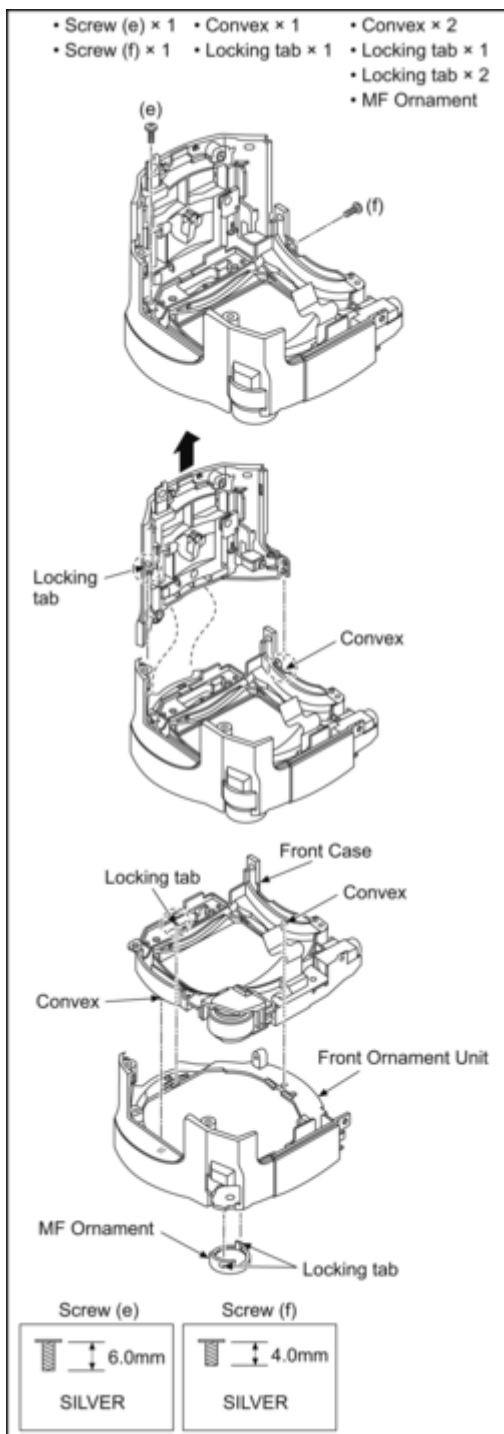
(Fig. D29)

8.3.14 Removal of the Front Ring, Hood Piece

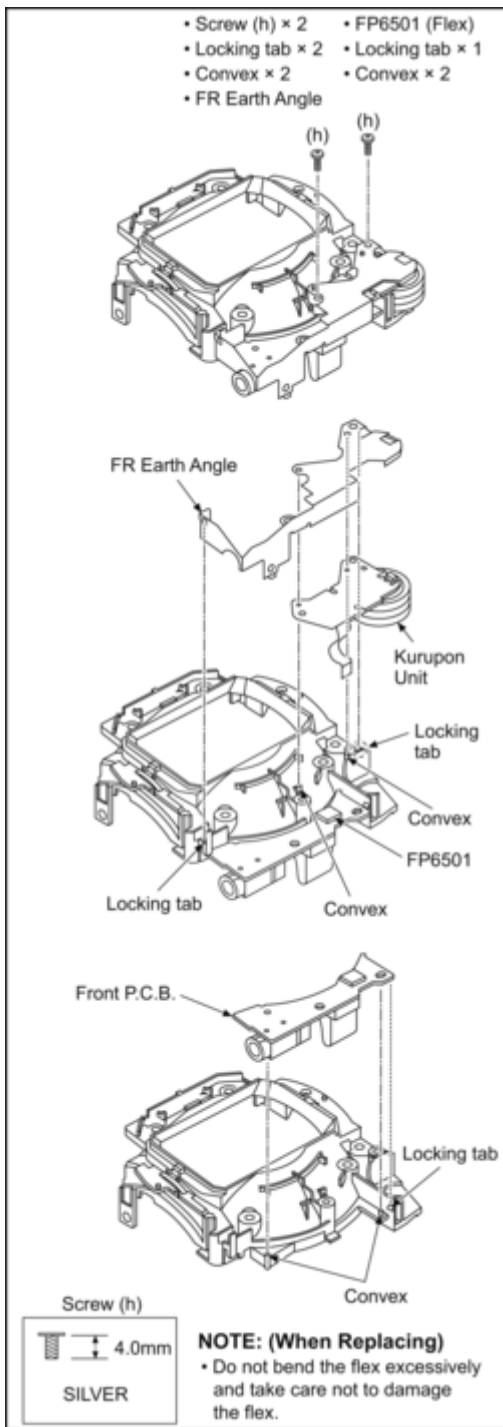


(Fig. D30)

8.3.15 Removal of the Front Case, Front Ornament Unit, MIC Case Unit

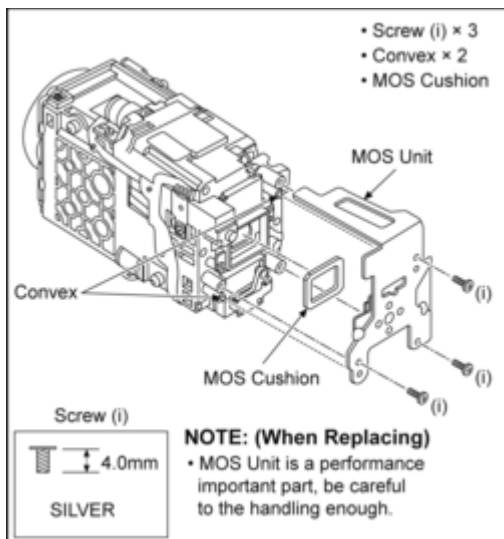


8.3.16 Removal of the Kurupon Unit, Front P.C.B.



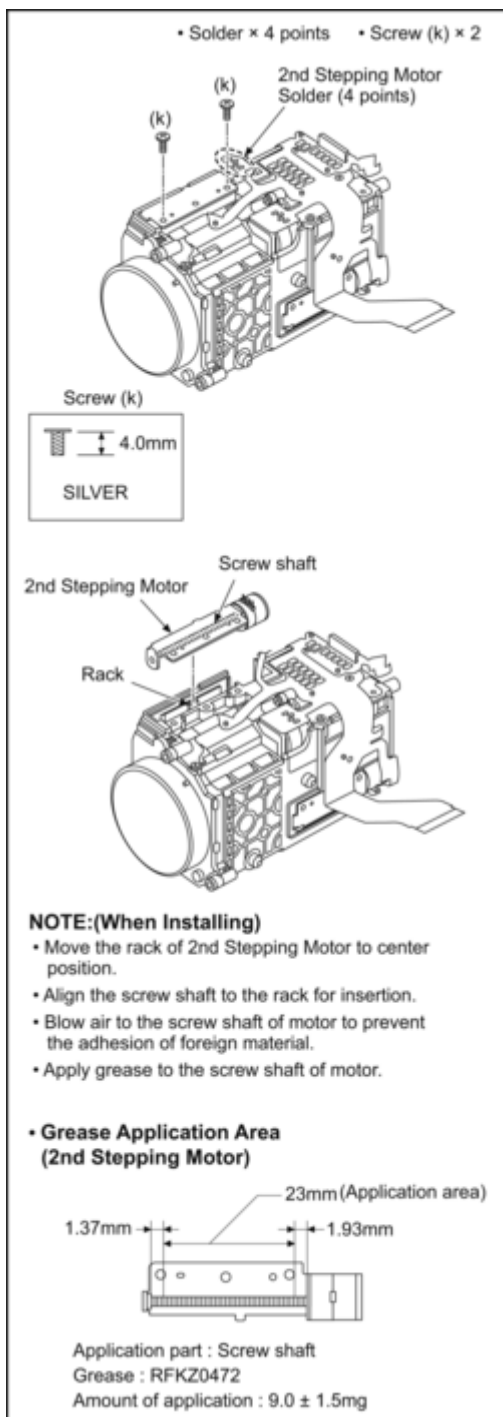
(Fig. D33)

8.3.17 Removal of the MOS Unit



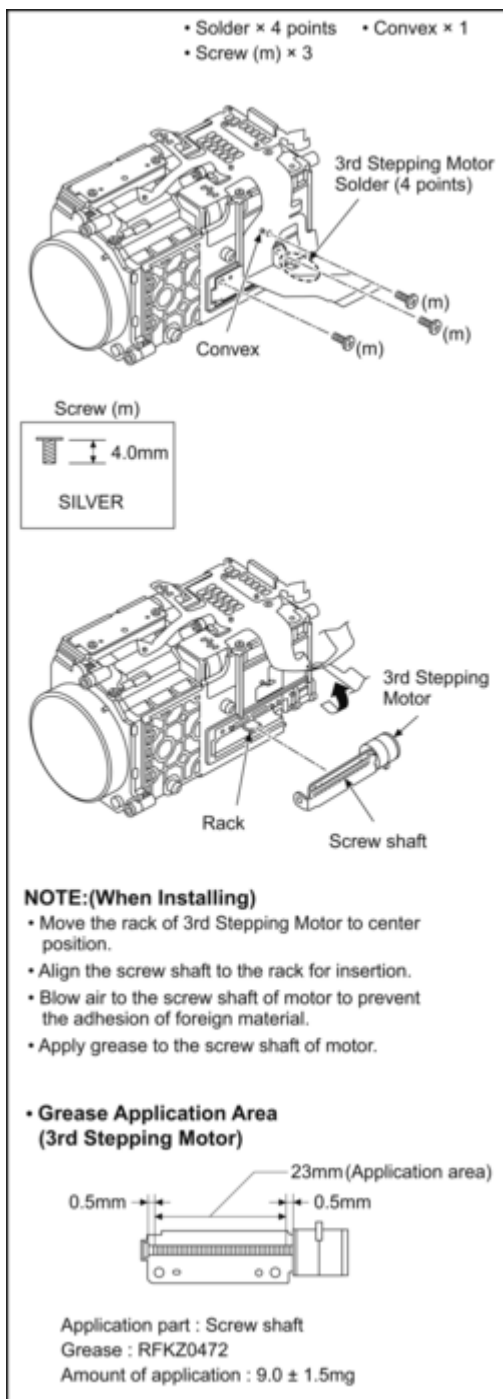
(Fig. D34)

8.3.18 Removal of the 2nd Stepping Motor



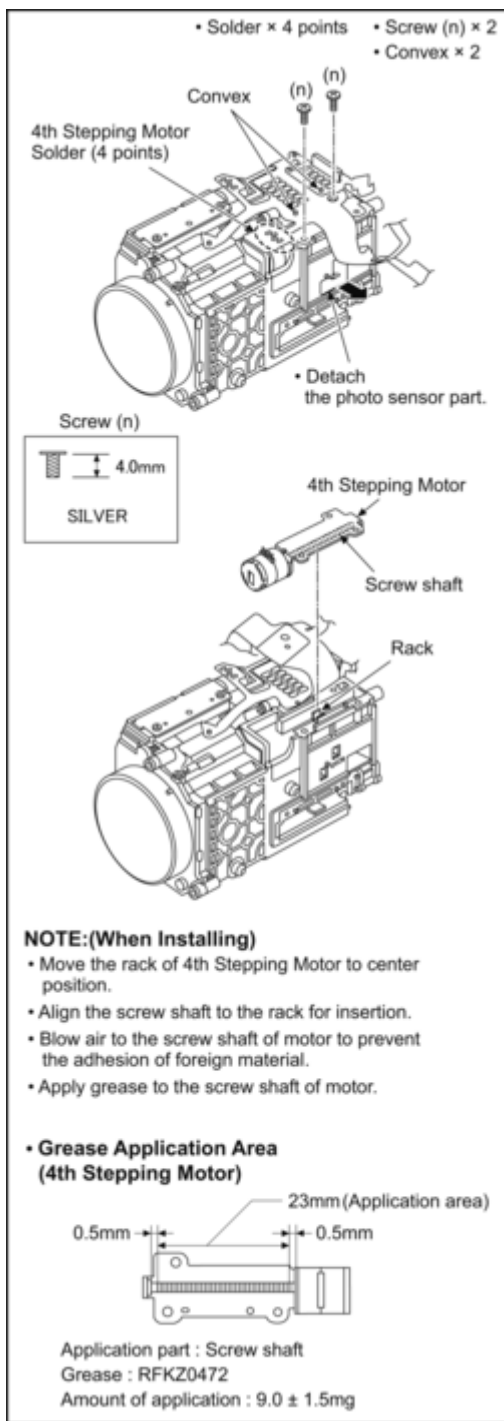
(Fig. D35)

8.3.19 Removal of the 3rd Stepping Motor



(Fig. D36)

8.3.20 Removal of the 4th Stepping Motor



(Fig. D37)

9 Measurements and Adjustments

9.1 Electric Adjustment

- An exclusive jig are necessary for electric adjustment.
- Connection method of the main unit and an exclusive adjustment jig as follows.

Figure of connection

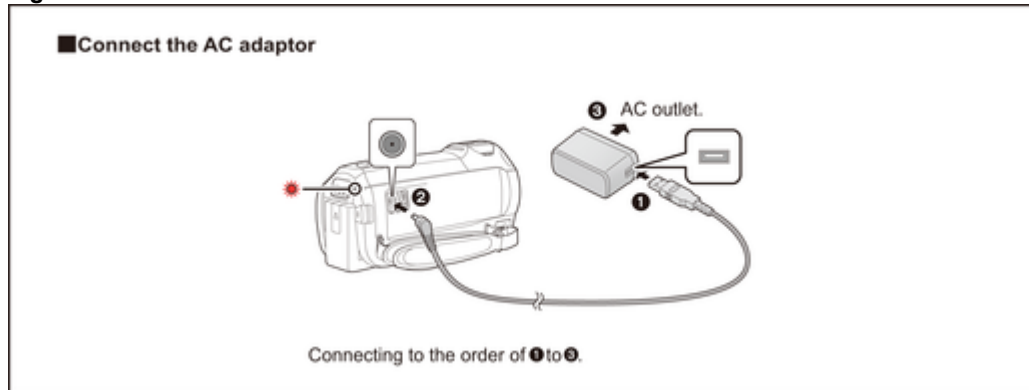
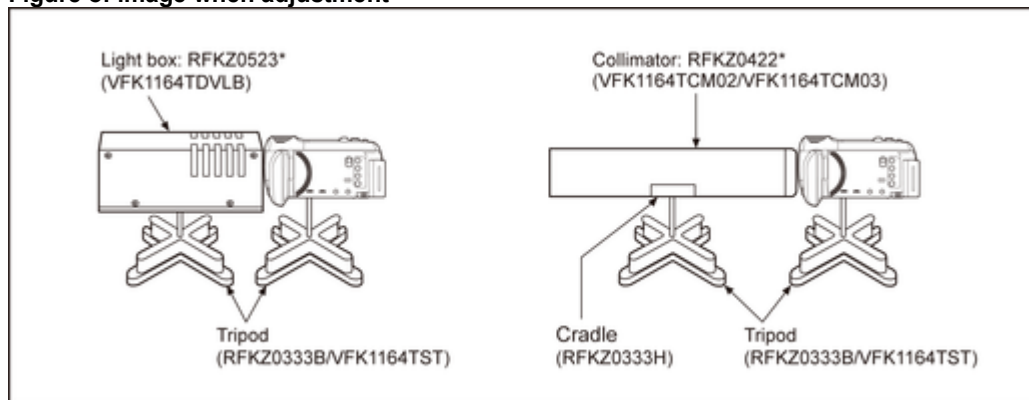


Figure of image when adjustment



Part Number of jig

1. Basic Jig

Item	Contents
AC adaptor	Banded with camcorder
DC Cable	Banded with camcorder

2. Optical Jig for Camera Adjustment

Item	Part number	Remarks
Light box	VFK1164TDVLB/RFKZ0523*	Need external power supply: 12V ± 0.1V /1.8A or over
Collimator with focus chart	VFK1164TCM02/VFK1164TCM03/RFKZ0422*	Same as DSC
CC filter	3100K/5100K VFK1164CC10G	Need 2 set. For indoor/outdoor white balance adjustment
C2 Filter	5100K VFK1164LBB2	For outdoor white balance

			adjustment
C8 Filter	5100K	VFK1164LBB8	For outdoor white balance adjustment
ND Filter 0.1	3100K	VFK1164ND01	For indoor white balance adjustment
ND Filter 0.6	3100K	VFK1164ND06	For indoor white balance adjustment
Adjustment chart for Level Shot	Banded with this Manual		For Level shot adjustment

* RFKZ0523 and RFKZ0422 (same as DSC) are recommended.

[Level Shot Adjustment Chart]

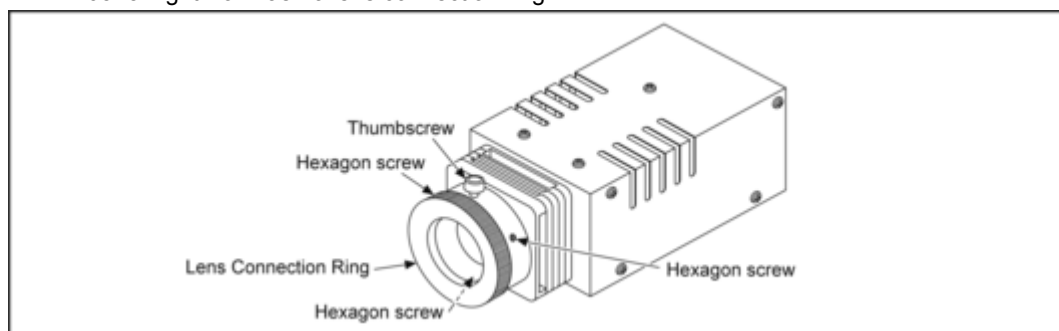


9.1.1 About Light Box

When using VFK1164TDVLB Light Box

If using VFK1164TDVLB Light Box, remove the lens connection ring by loosening thumbscrew and three hexagon screws.

* RFKZ0523 Light Box has no lens connection ring.

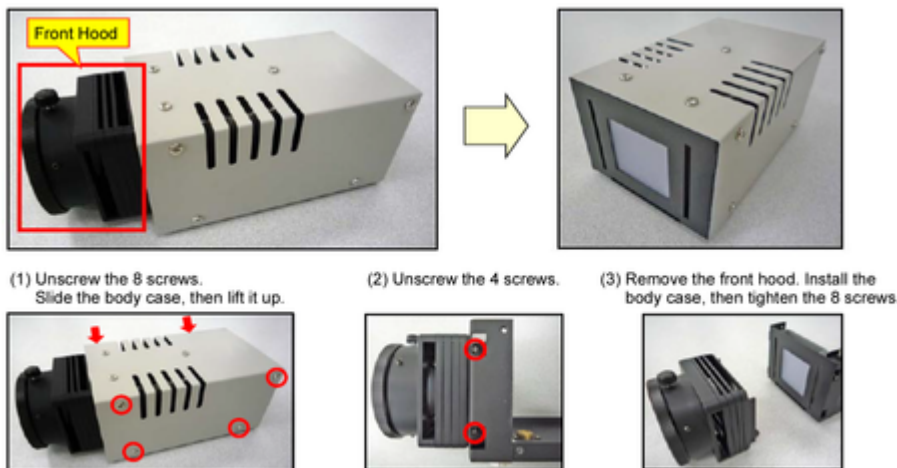


How to remove the Front Hood

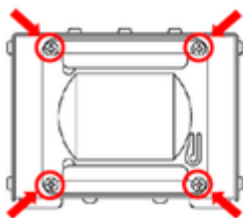
In order to utilize maximum of the diffusing surface of light box, some adjustment items need the distance between diffusing surface of light box and camera body becomes several centimeters.

Before the adjustments, remove the front hood of light box following steps below.

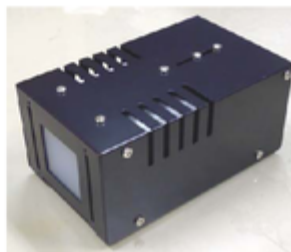
[For VFK1164TDVLB Light Box]



[For RFKZ0523 Light Box]



Unscrew the 4 screws, then remove the front hood.



9.1.2 Adjustment Items

Adjustment item as follows.

Replacement part	Adjustment item		Adjustments					Settings		
			Camera Adjustments ¹	Zoom Tracking Adjustment	Indoor White Balance Adjustment	Outdoor White Balance Adjustment	Level Shot adjustment ²	Touch Panel Calibration	Model setting	Factory setting
MAIN P.C.B.	IC701	LENS DRIVE IC	○	○	○	○	○	-	○	○
	IC751	ROLL GYRO	○	-	-	-	○	-	-	-
	IC1001	7CH DC/DC IC	○	○	○	○	○	-	-	-
	IC1421	REG 3V I/O	○	○	○	○	○	-	-	-
	IC3401	VENUS ENGINE	-	-	-	-	○	-	-	-
	IC3404	FLASH ROM	○	○	○	○	○	-	○	○
SD HOLDER P.C.B.	IC6401	PIT/YAW GYRO	○	-	-	-	○	-	-	-
	IC6411	ACCELEROMETER	-	-	-	-	○	-	-	-
Wi-Fi P.C.B.			-	-	-	-	○	-	-	○
CAMERA LENS UNIT			○	○	○	○	○	-	-	-
MOS UNIT			○	○	○	○	○	-	-	-
LCD CASE (B) UNIT			-	-	-	-	○	○	-	-

*1...IRIS adjustment, OIS hall amp adjustment, Missing pixels compensation, OIS gyro adjustment, AGS adjustment .

*2...Accelerometer : Since the assembly is accompanied, always need to be adjusted.

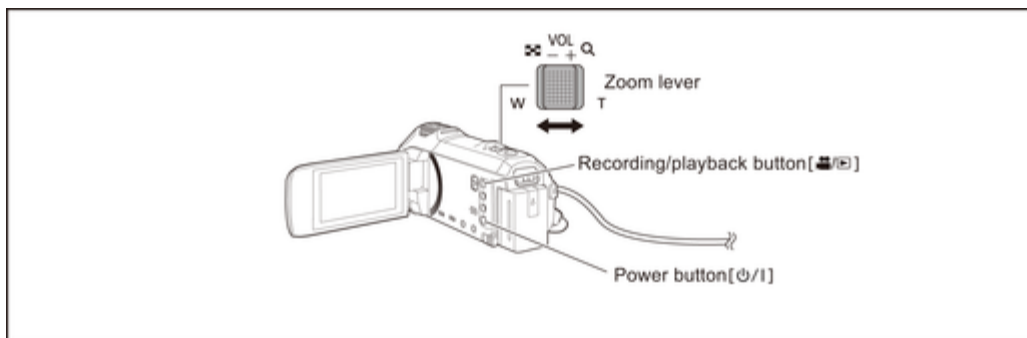
9.1.3 Adjustment Procedure

All adjustments except “Touch Panel Calibration” and “Factory Setting” performs using “6.4 Adjustment function for the Service” in service mode menu.

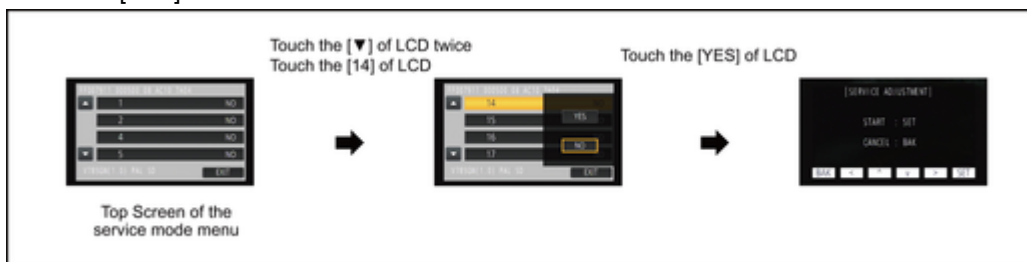
“Touch Panel Calibration” is performed using 16 of service mode menu and “Factory Setting” is performed using 1 of service mode menu. Refer to “6 Service Mode” and “10 Factory Setting”.

[Execute adjustment function for service]

1. While the power is turned OFF, keep pressing the “Power” button, “Zoom lever” to W side and “Recording/playback” button for more than 3 seconds until the top screen of the Service Mode Menu being displayed.



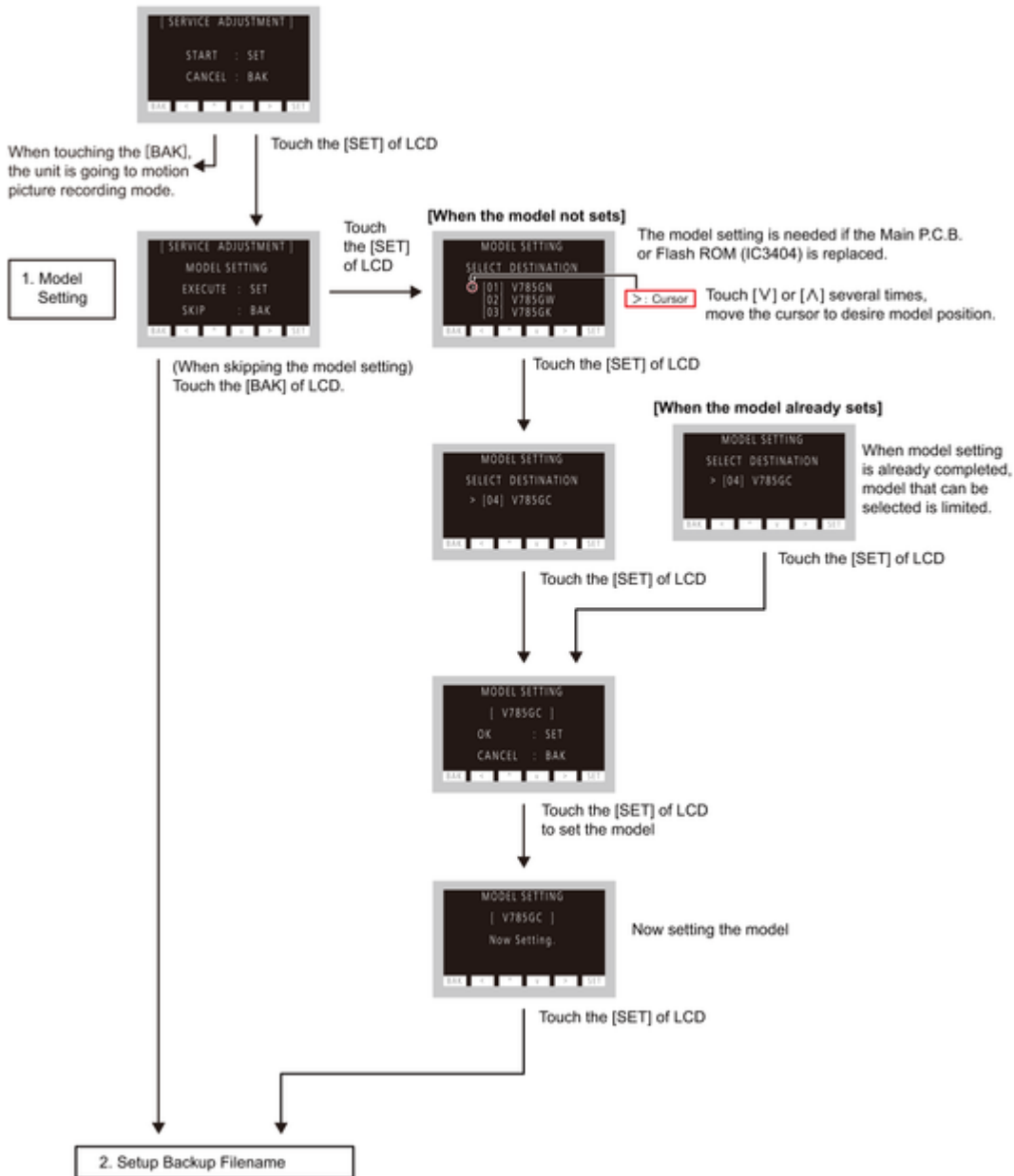
2. Touch the ▼ twice then touch the [14] of LCD.
3. Touch the [YES] of LCD.

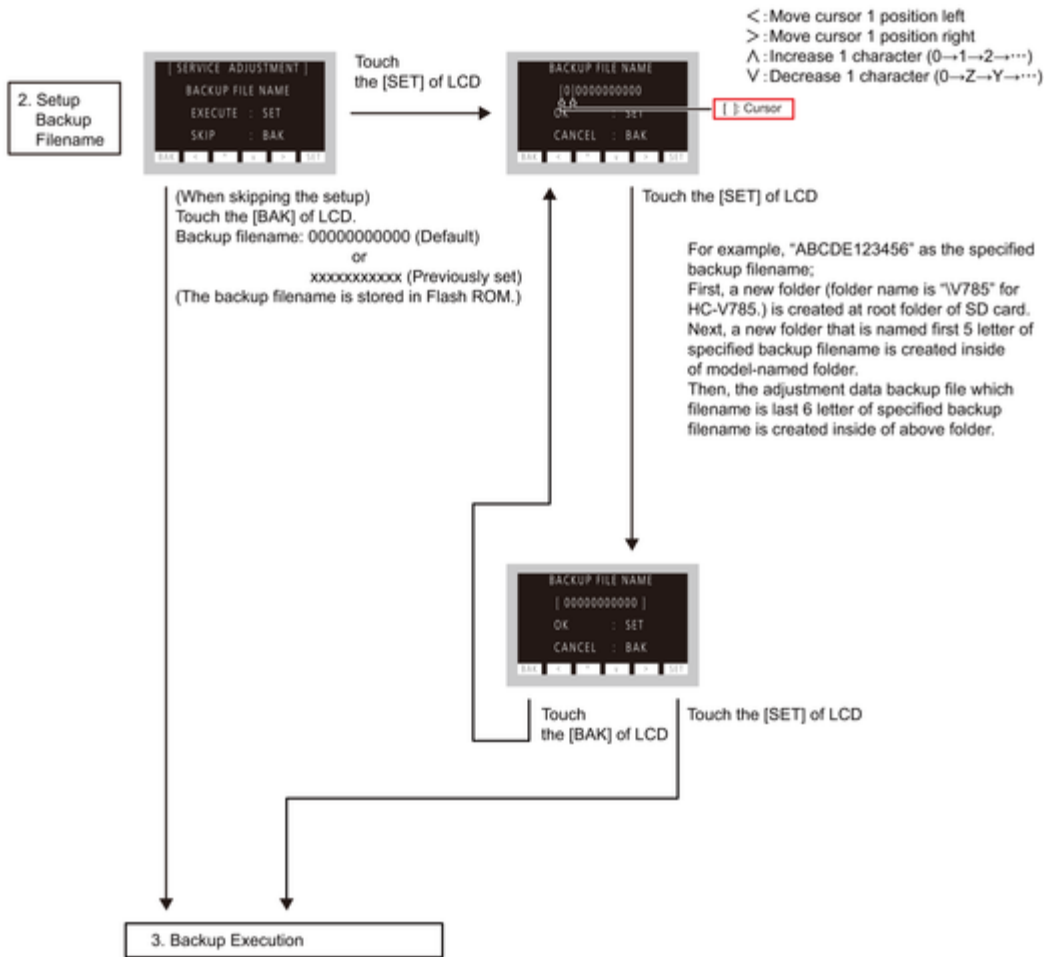


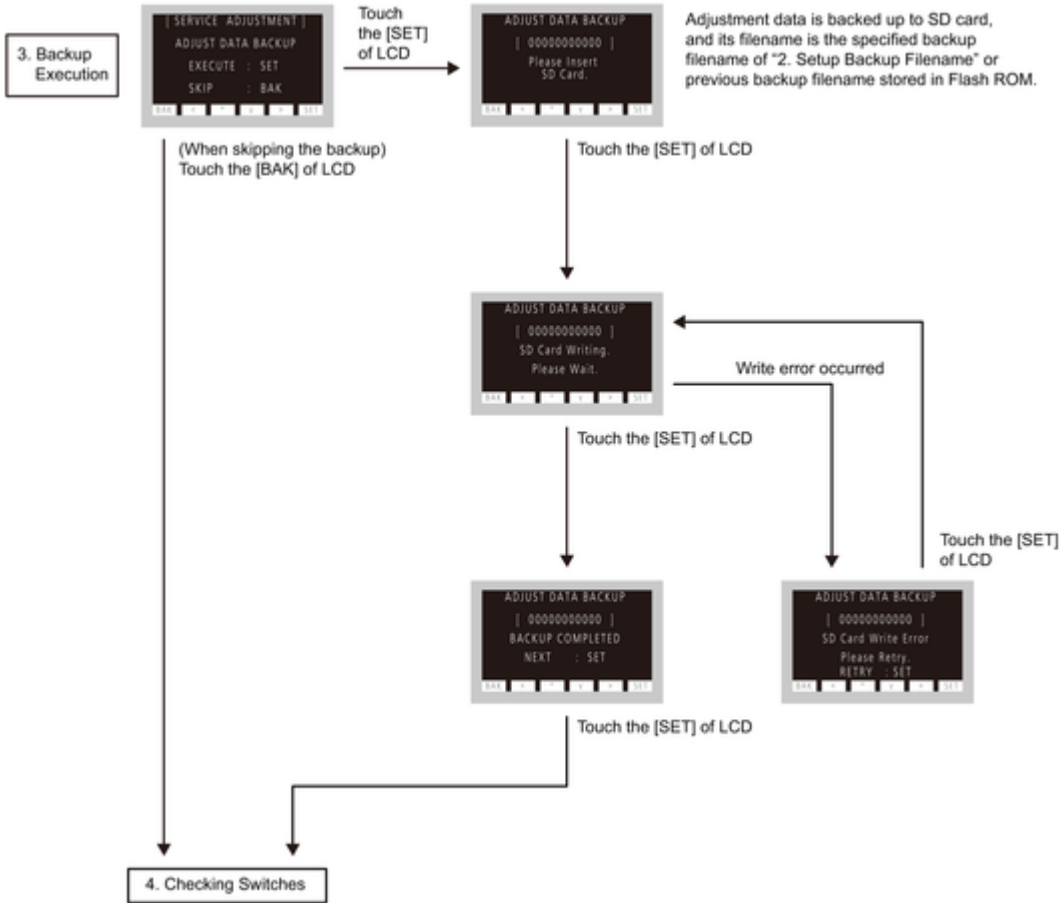
[Adjustment Procedure]

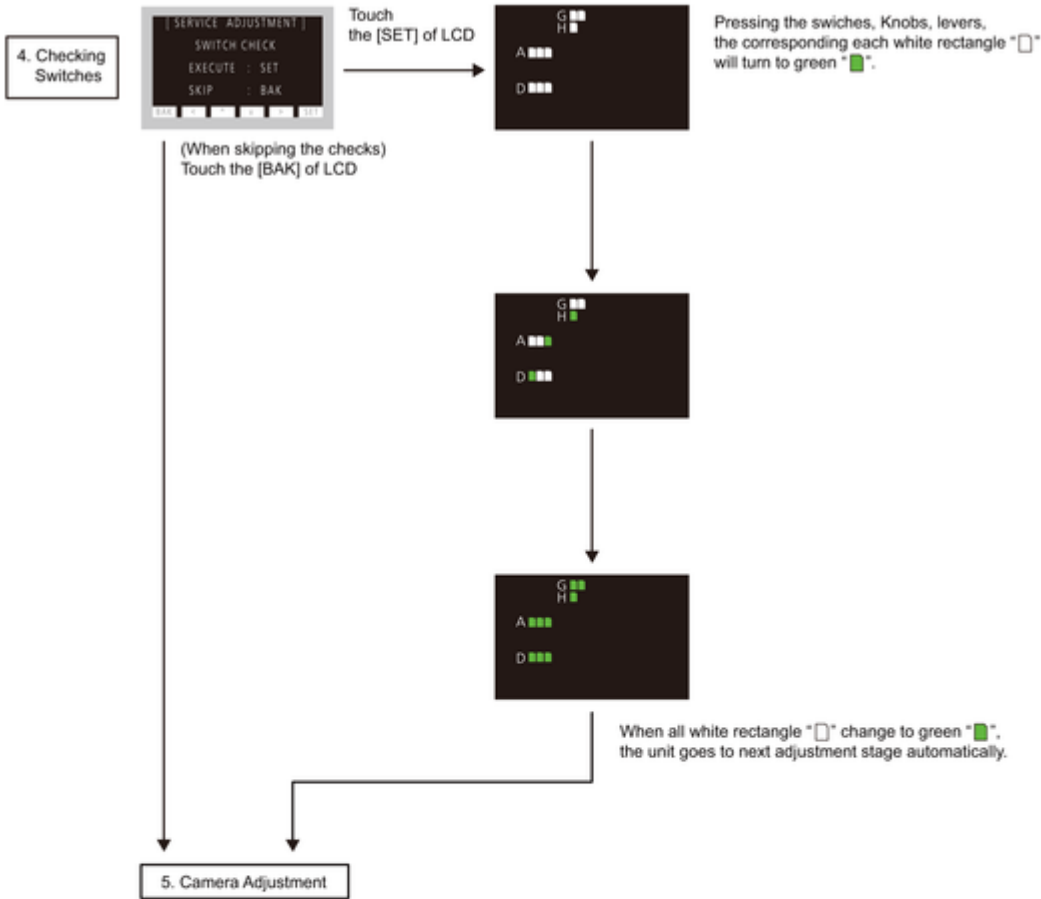
Adjustments and settings are performed following order:

1. Model setting
2. Filename setting for backup to SD card
3. Backing up adjustment data to SD card
4. Checking switches
5. Camera adjustment
6. Zoom/tracking adjustment
7. Indoor white balance adjustment
8. Outdoor white balance adjustment
9. Level shot adjustment

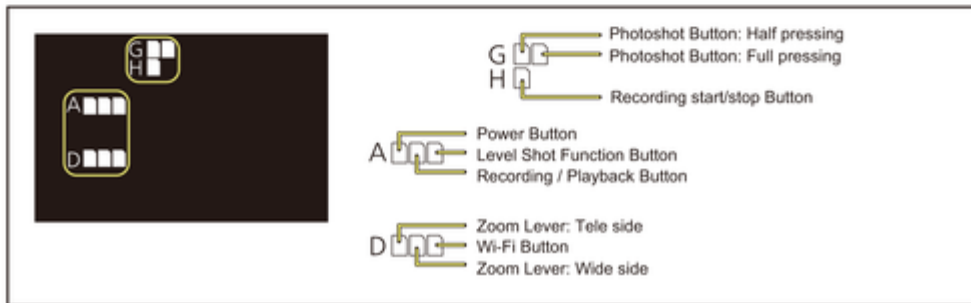


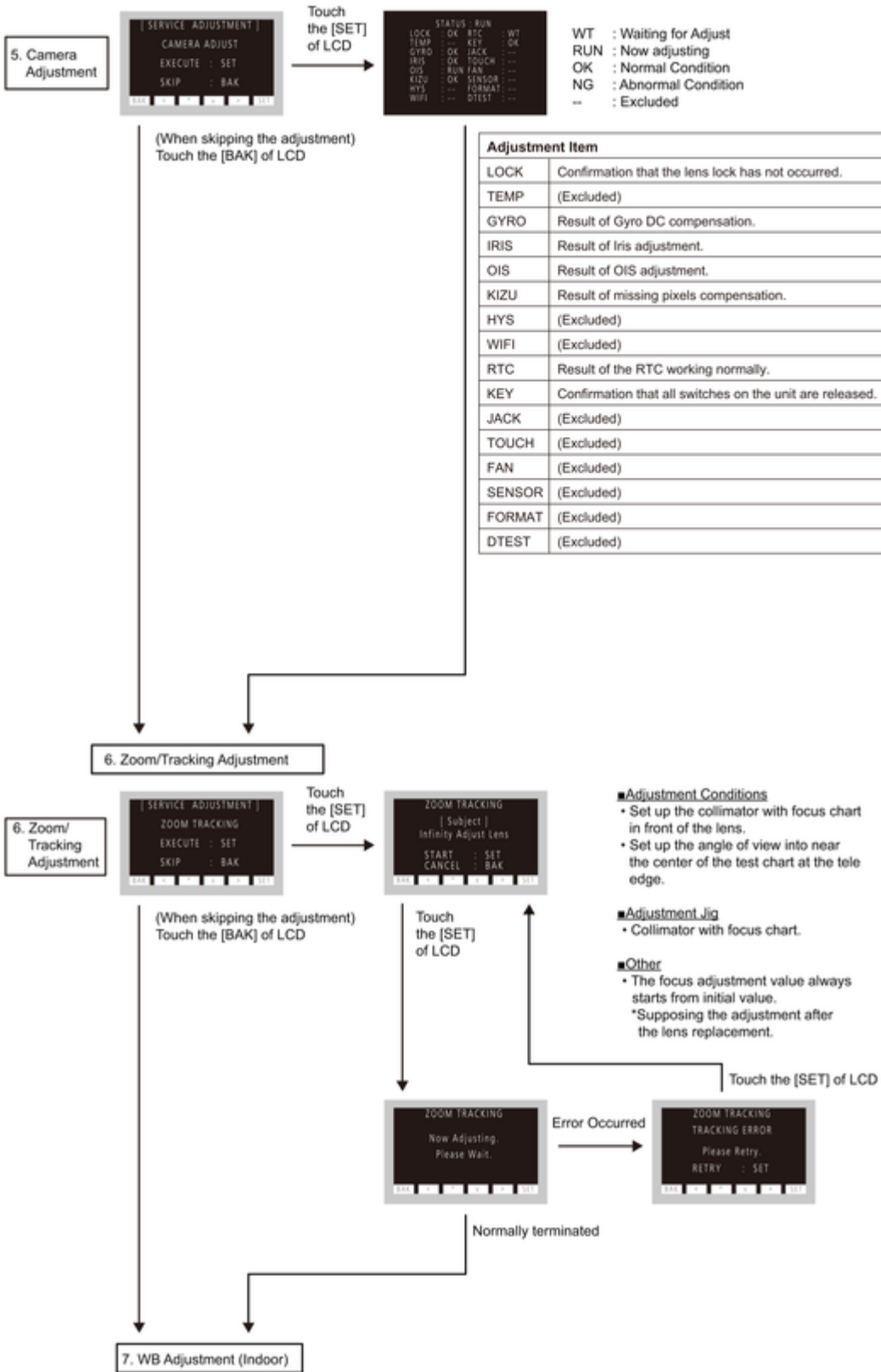


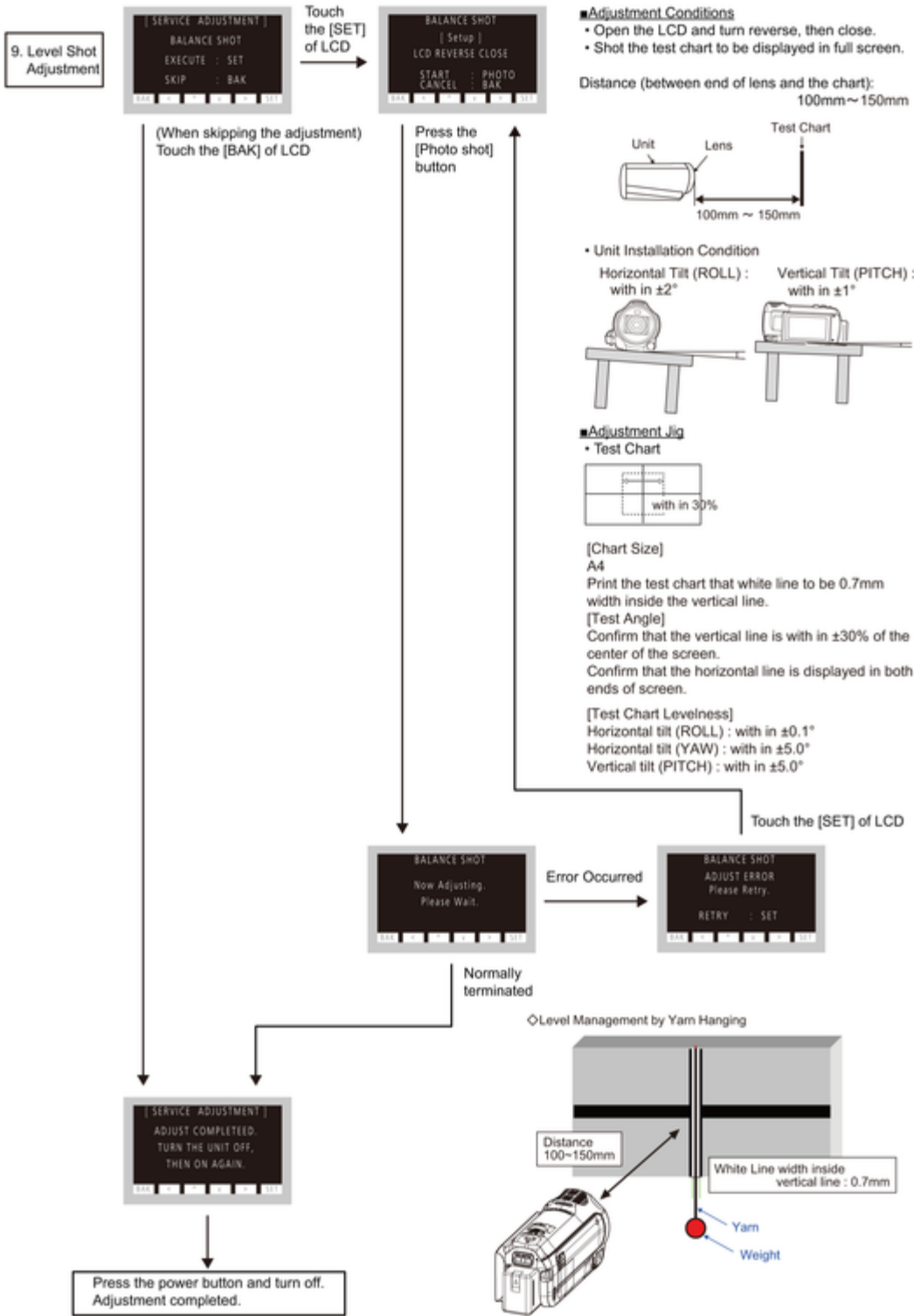




< Switches arrangement >



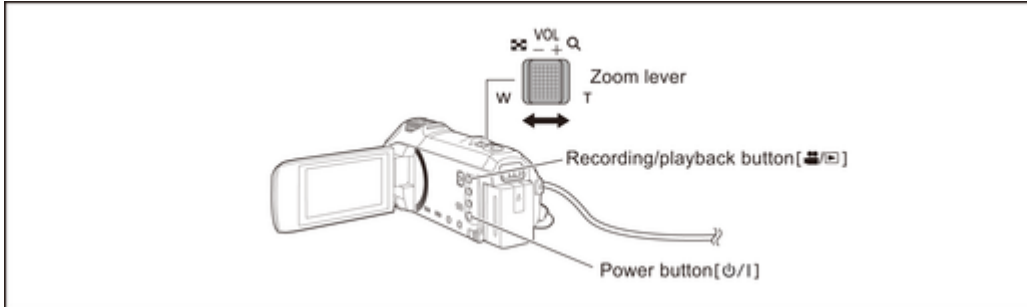




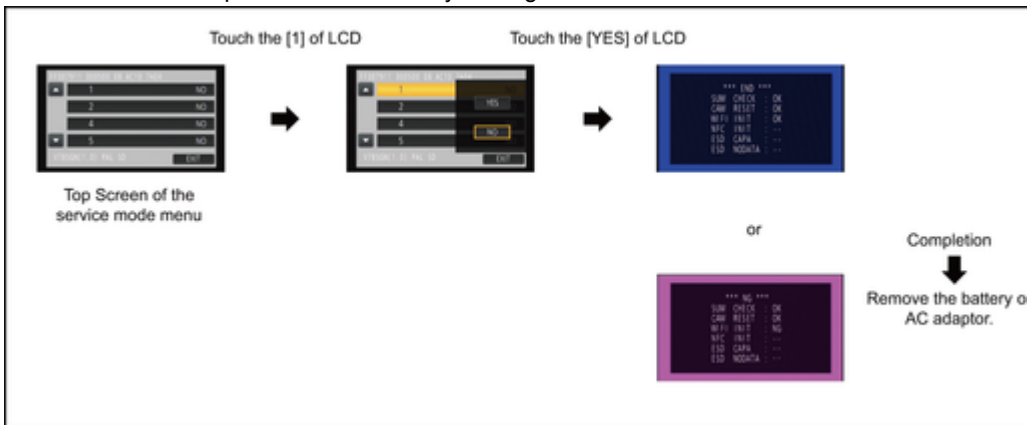
10 Factory Setting

10.1 How To Turn On The Factory Setting?

1. While the power is turned OFF, keep pressing the “Power” button, “Zoom lever” to W side and “Recording/playback” button for more than 3 seconds until the top screen of the Service Mode Menu being displayed.



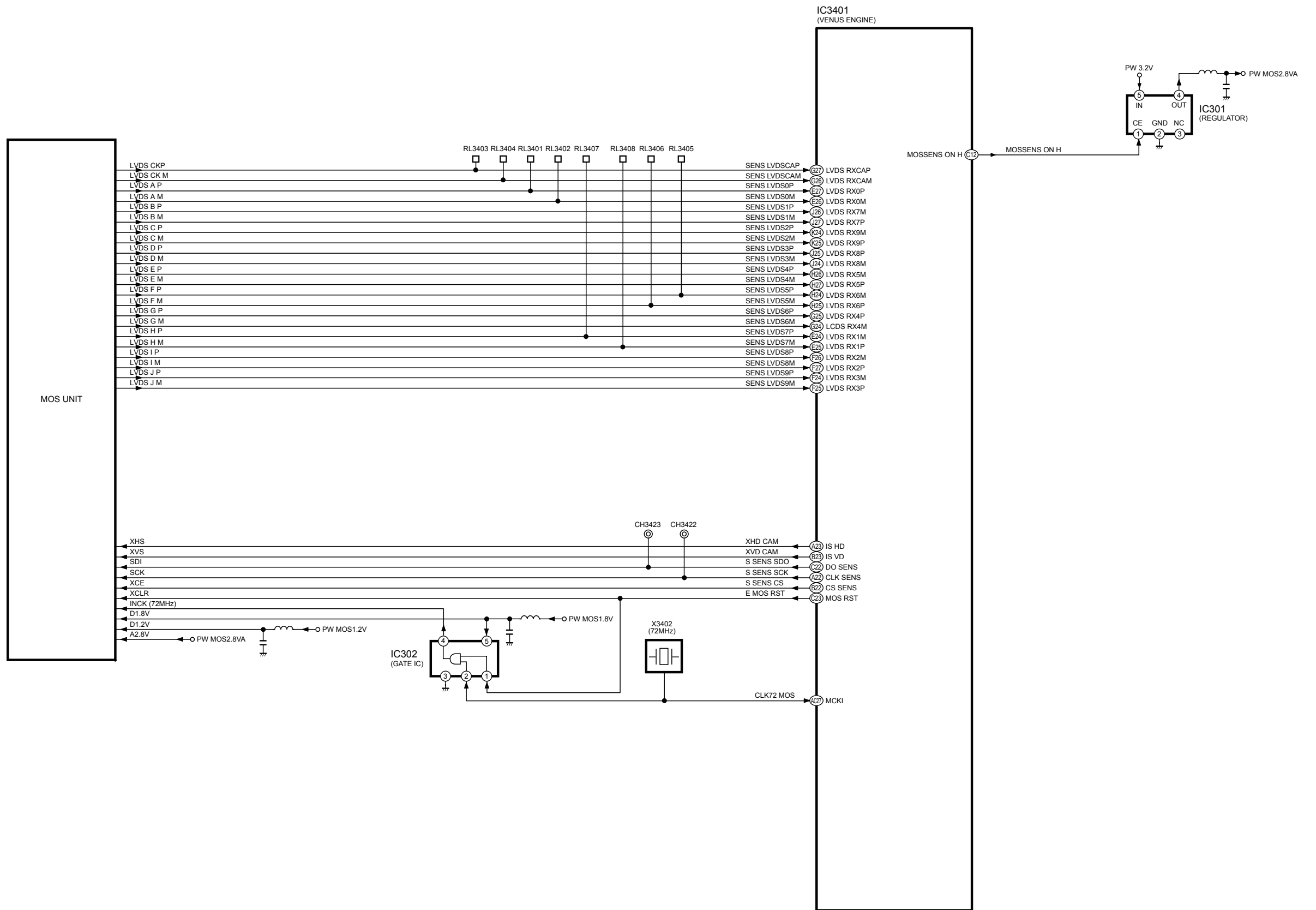
2. Touch the [1] of LCD.
3. Touch the [YES] of LCD.
4. After few seconds “END” is displayed on LCD monitor. Cutting of battery connection or AC power supply connection as a completion of the “Factory Setting”.

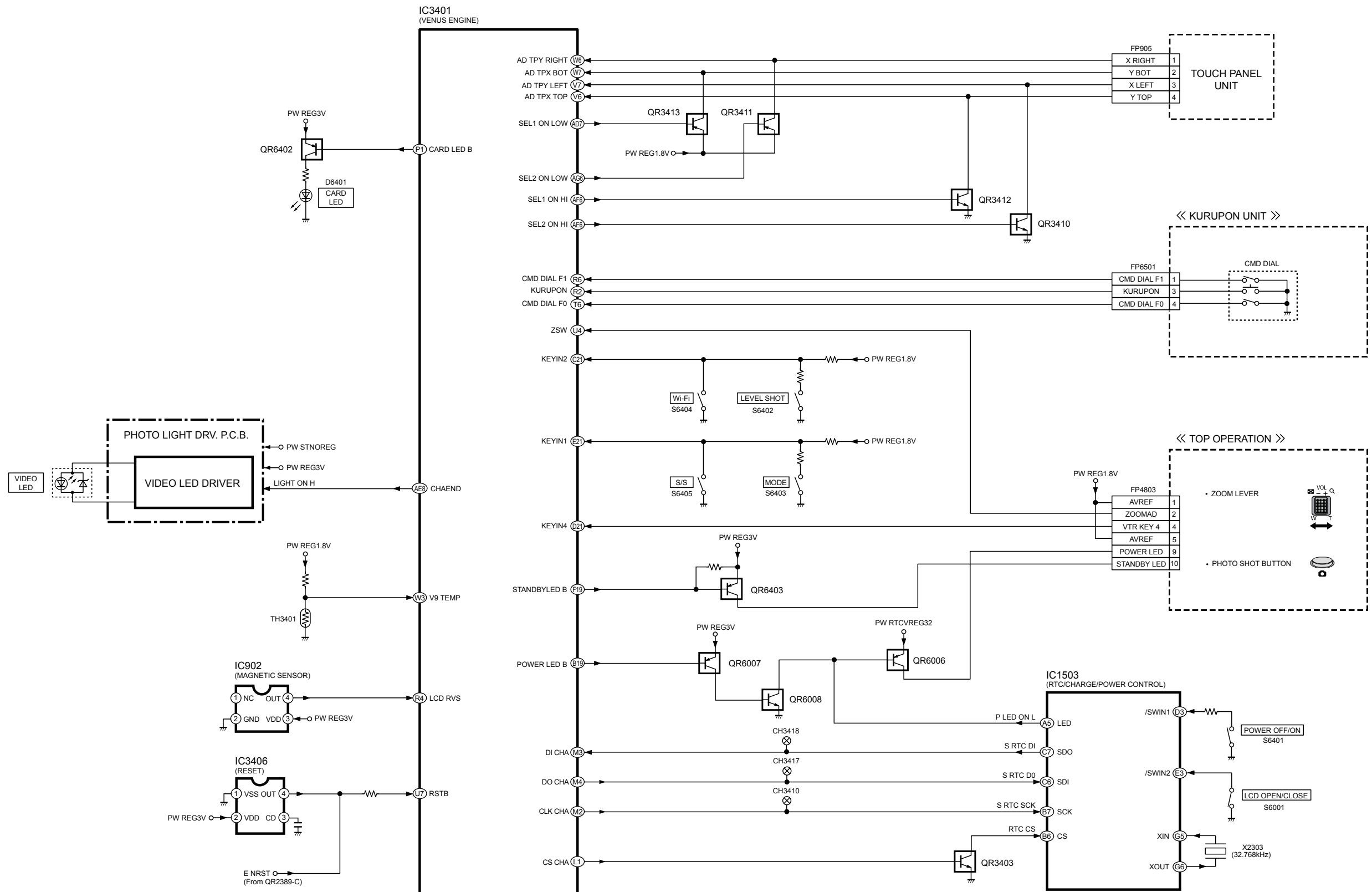


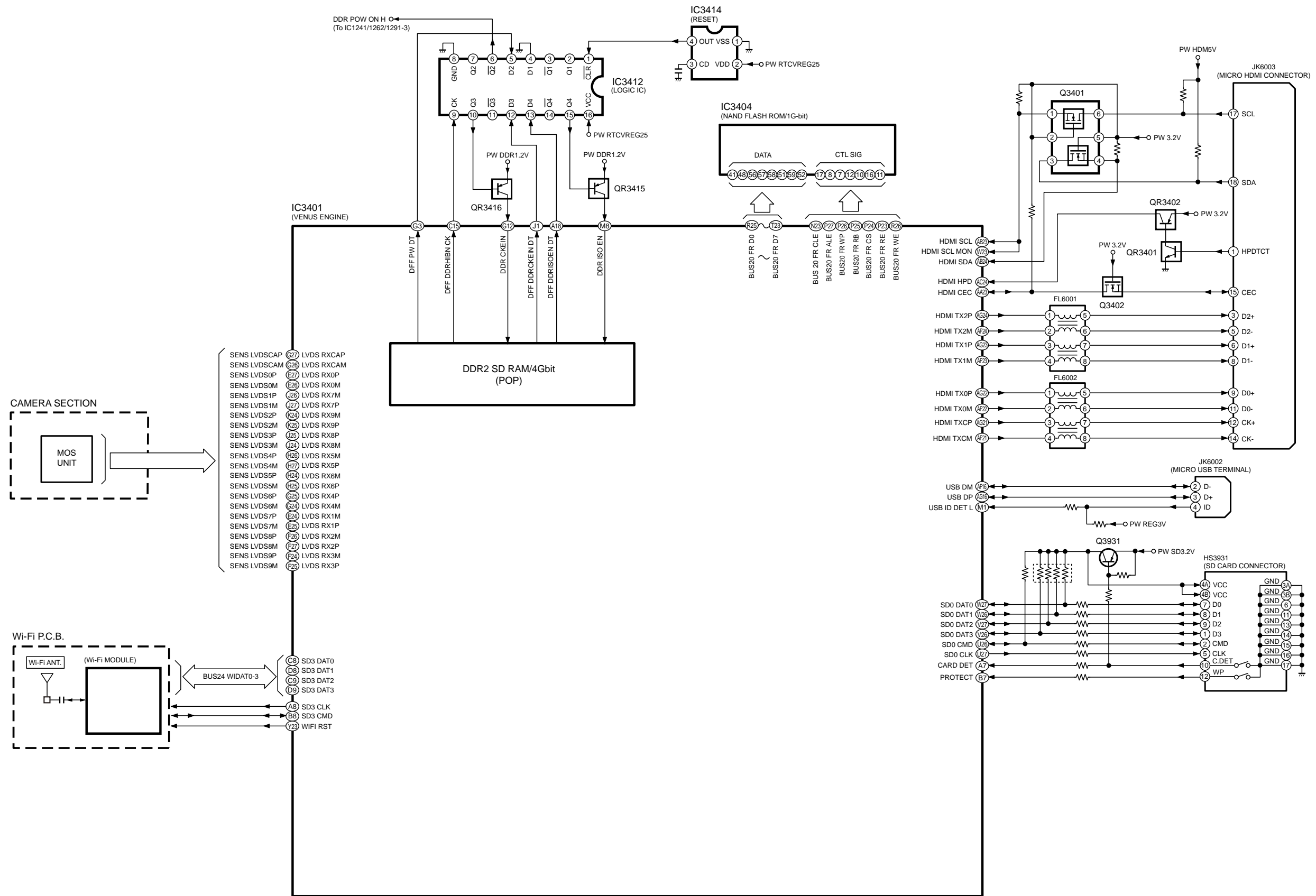
10.2 What Is The Factory Setting?

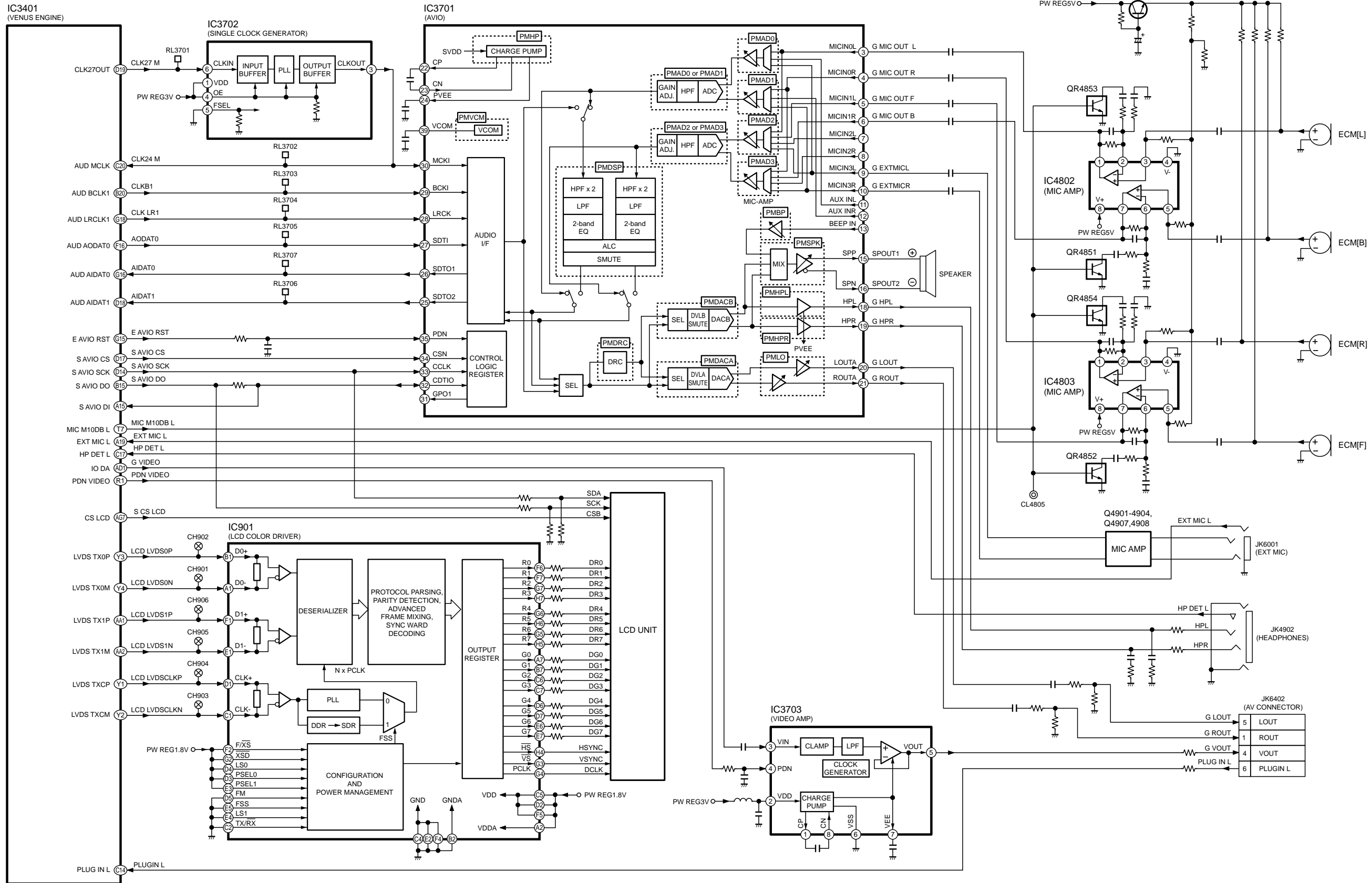
The factory setting clean up and/or refresh the following settings.

1. Setting Values of menu.
2. Clear the time and date setting.
3. Initialize the Wi-Fi data settings.
4. Close the lens cover

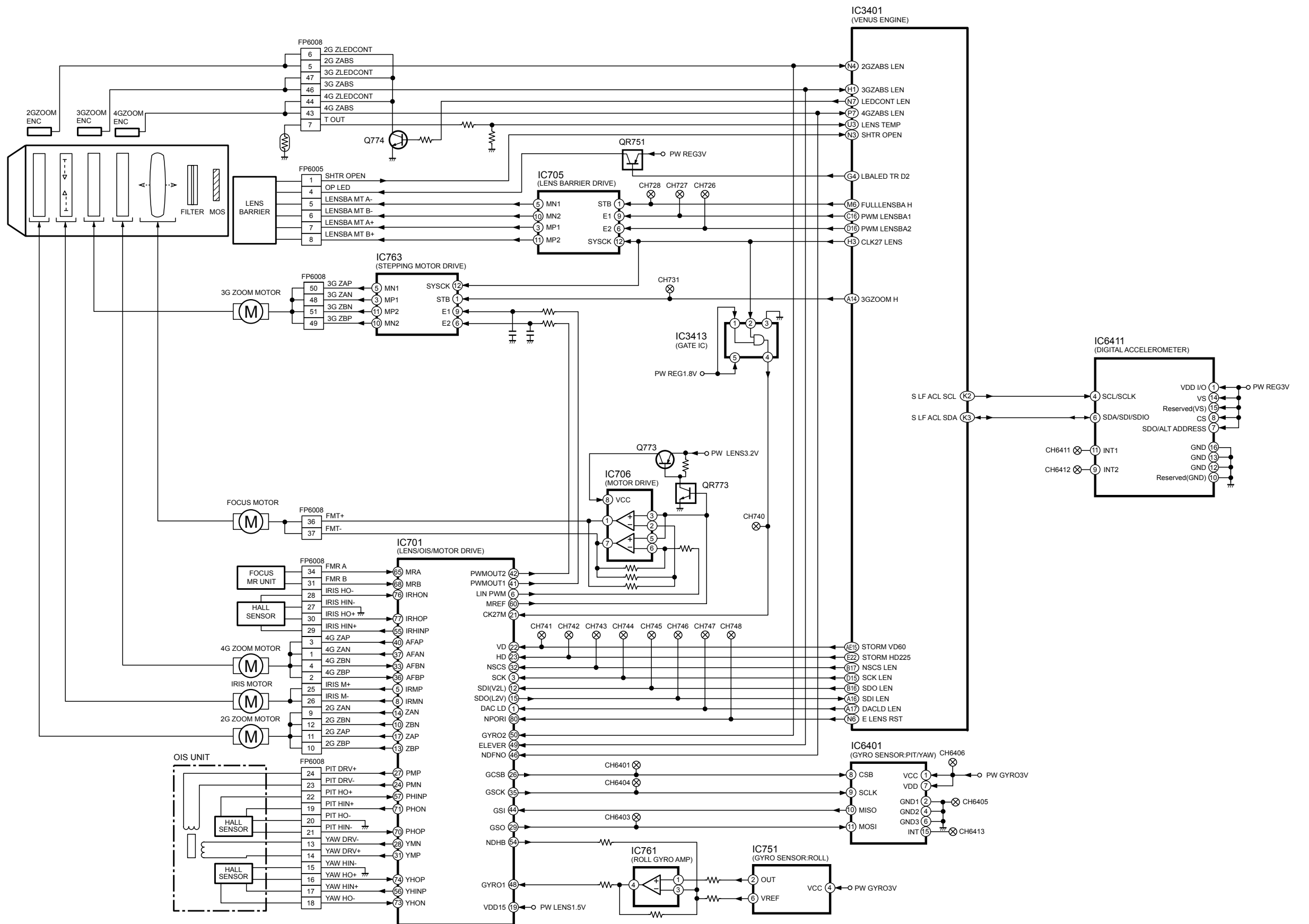








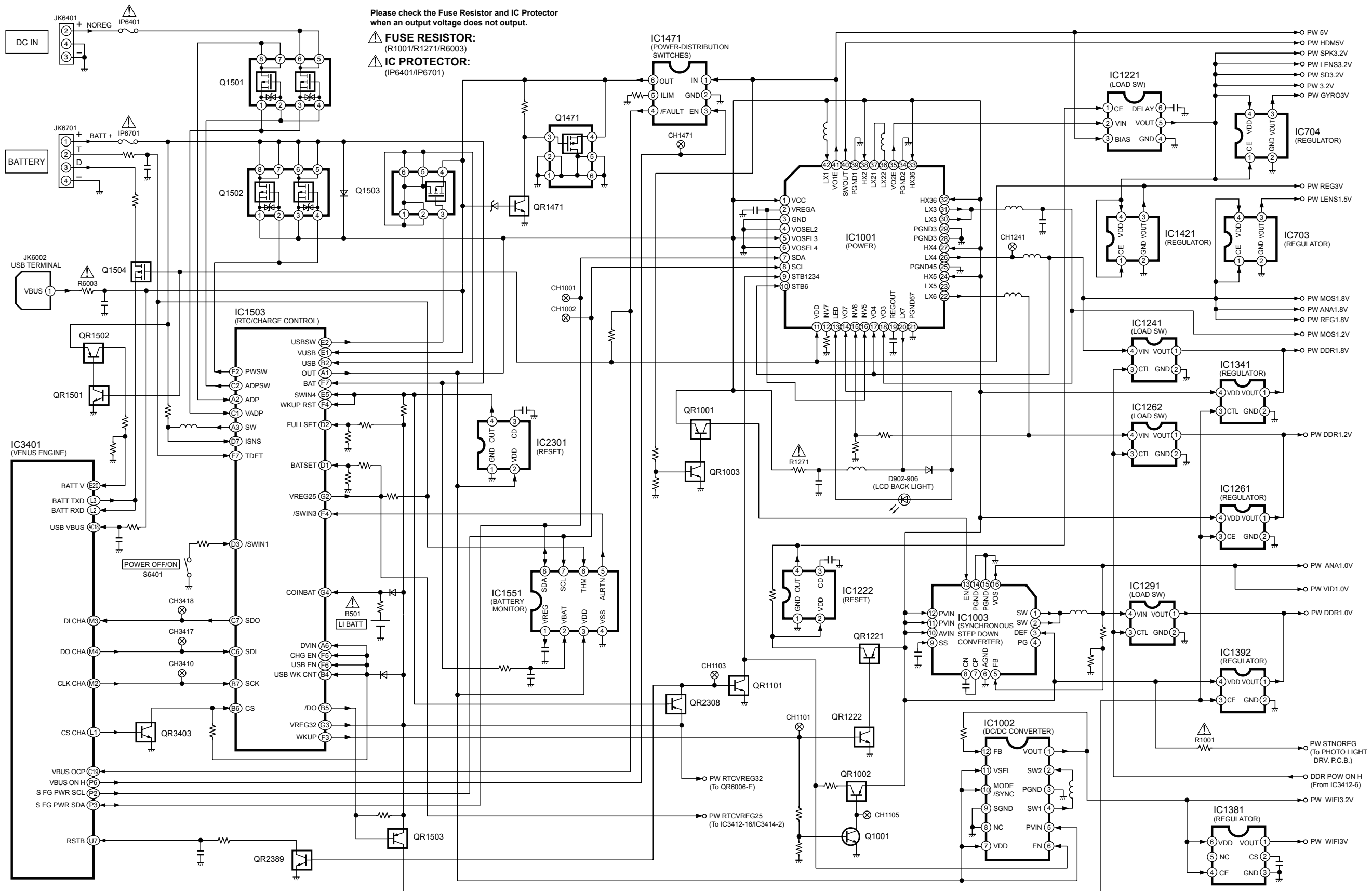
HC-V785 VIDEO/AUDIO SIGNAL PROCESS(2) CIRCUIT BLOCK DIAGRAM



Please check the Fuse Resistor and IC Protector when an output voltage does not output.

FUSE RESISTOR:
(R1001/R1271/R6003)

IC PROTECTOR:
(IP6401/IP6701)



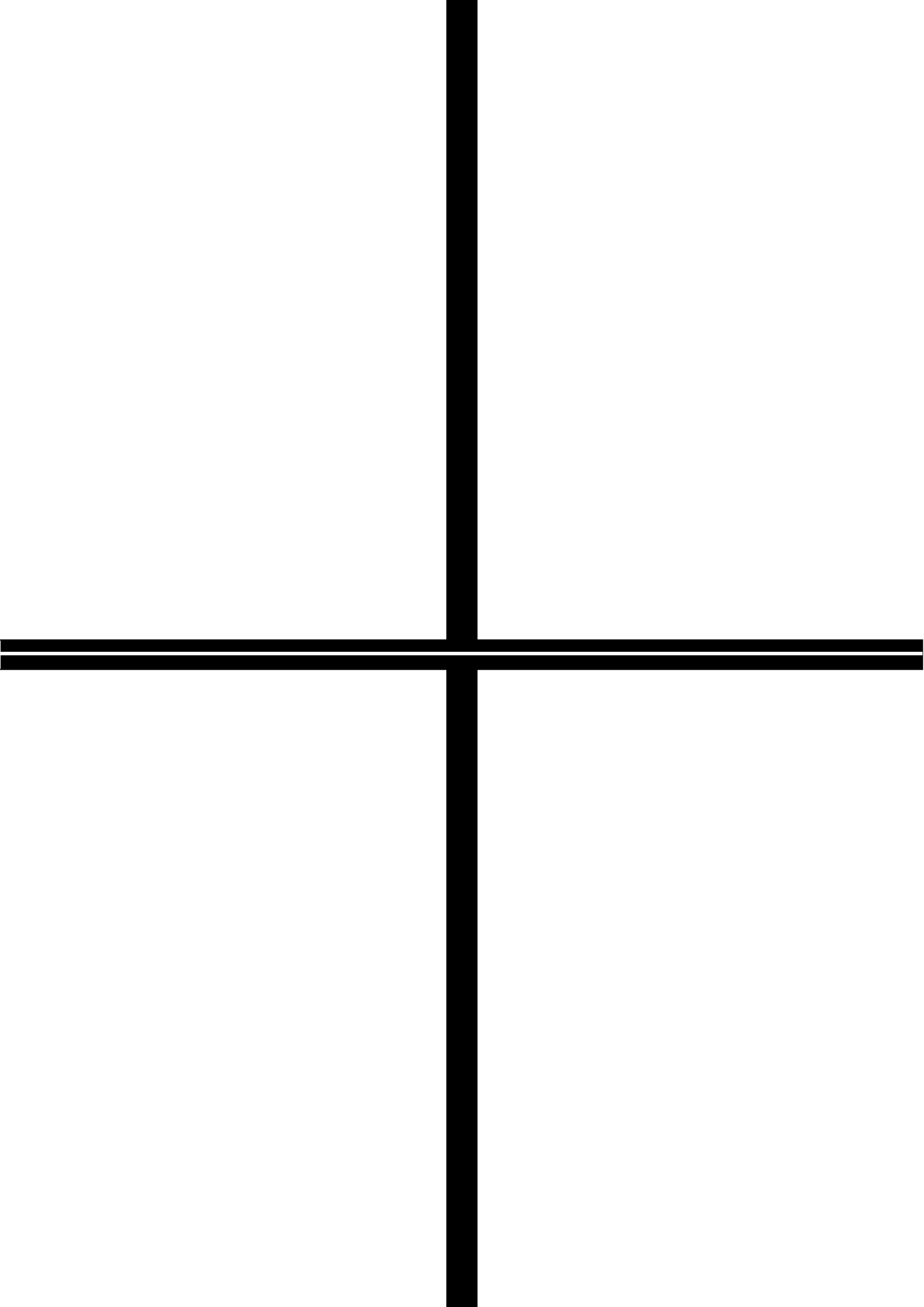
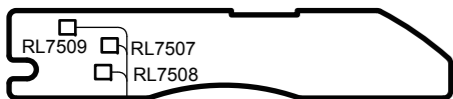
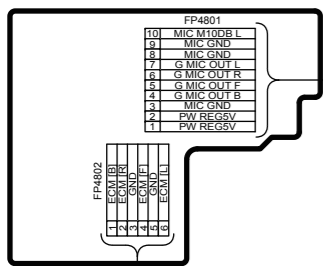


PHOTO LIGHT P.C.B.
(COMPONENT SIDE)

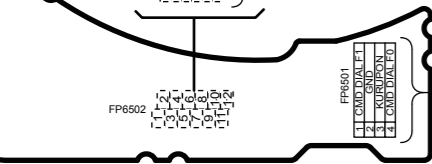


MIC P.C.B.
(COMPONENT SIDE)



FRONT P.C.B.
(FOIL SIDE)

※ [Dashed Line] : (COMPONENT SIDE)



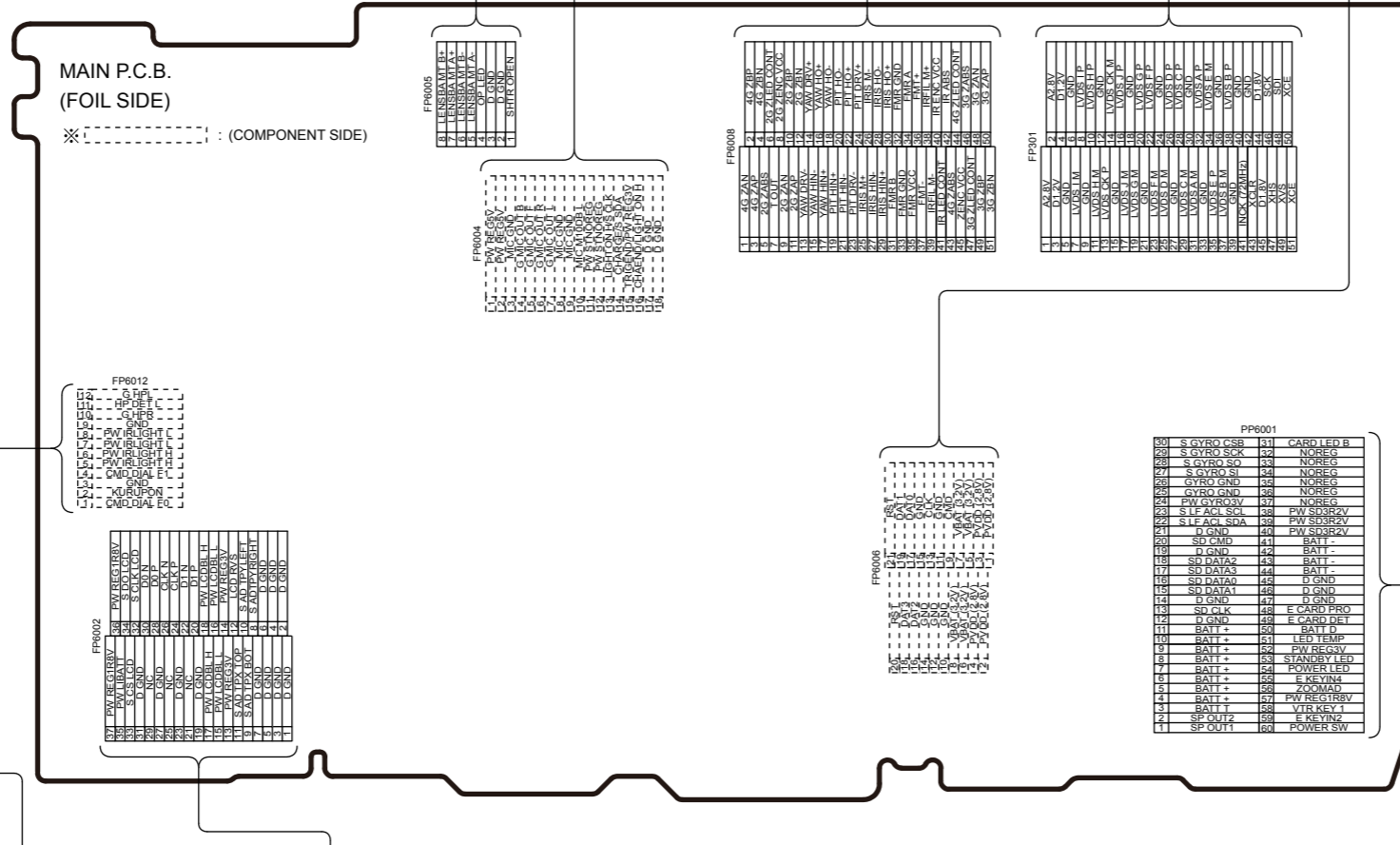
KURUPON UNIT

MONITOR FPC

TO MONITOR P.C.B.
FP901

MAIN P.C.B.
(FOIL SIDE)

※ [Dashed Line] : (COMPONENT SIDE)



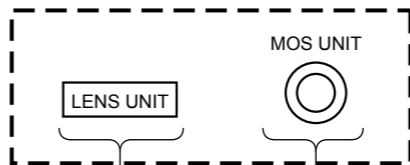
LENS BARRIER

PHOTO LIGHT
DRV. P.C.B.

ECM RELAY FFC

PHOTO LIGHT WIRE

PHOTO LIGHT FFC

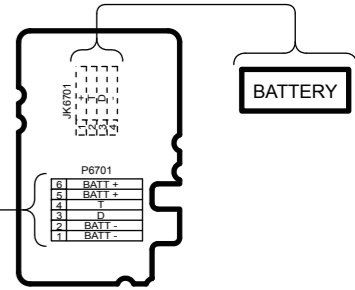


Wi-Fi P.C.B.

Wi-Fi FPC

BATTERY CATCHER P.C.B.
(FOIL SIDE)

※ [Dashed Line] : (COMPONENT SIDE)

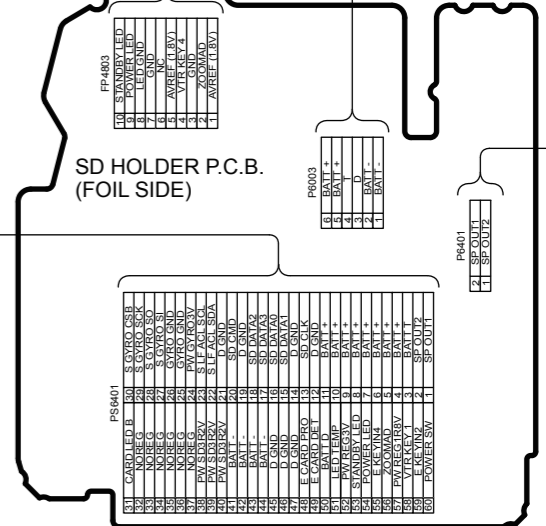


BATTERY

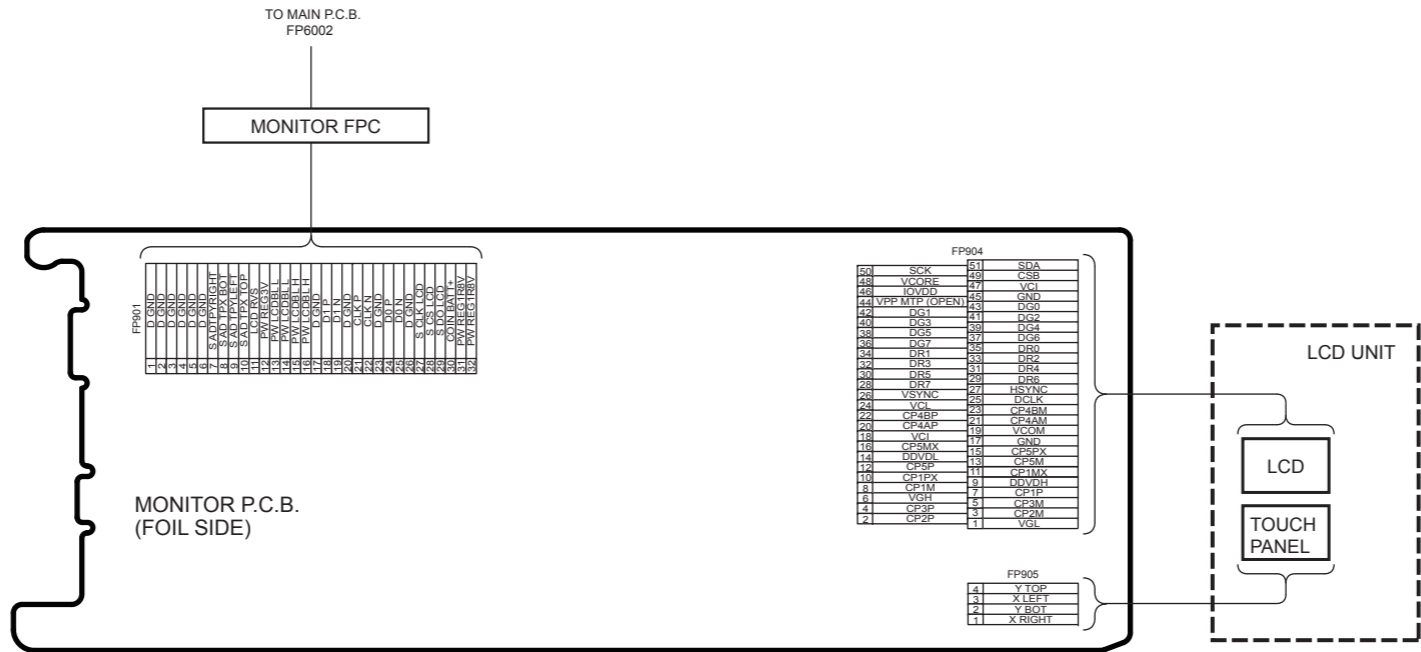
TOP OPERATION

BATTERY CATCHER WIRE

SD HOLDER P.C.B.
(FOIL SIDE)



SPEAKER

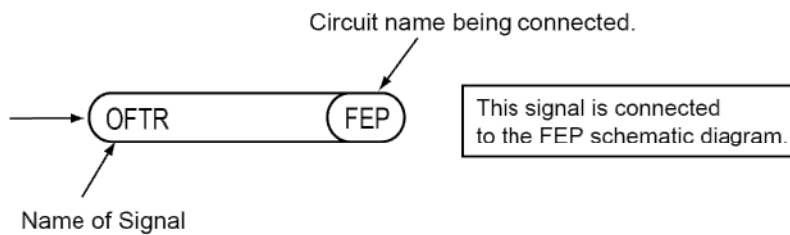


Model No. : HC-V785GC/GK/GN/GW Schematic Diagram Note

IMPORTANT SAFETY NOTICE:


COMPONENTS IDENTIFIED WITH THE MARK  HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

1. Although reference number of the parts is indicated on the P.C.B. drawing and/or schematic diagrams, it is NOT mounted on the P.C.B. when it is displayed with "\$" mark.
2. It is only the "Test Round" and no terminal (Pin) is available on the P.C.B. when the TP (Test Point) indicated as "●" mark.
3. Use the parts number indicated on the Replacement Parts List .
4. Indication on Schematic diagrams:



5. It might be taking time for display and/or access of the Schematic Diagrams & P. C. B having the heavy data volume.

Model No. : HC-V785GC/GK/GN/GW Parts List Note

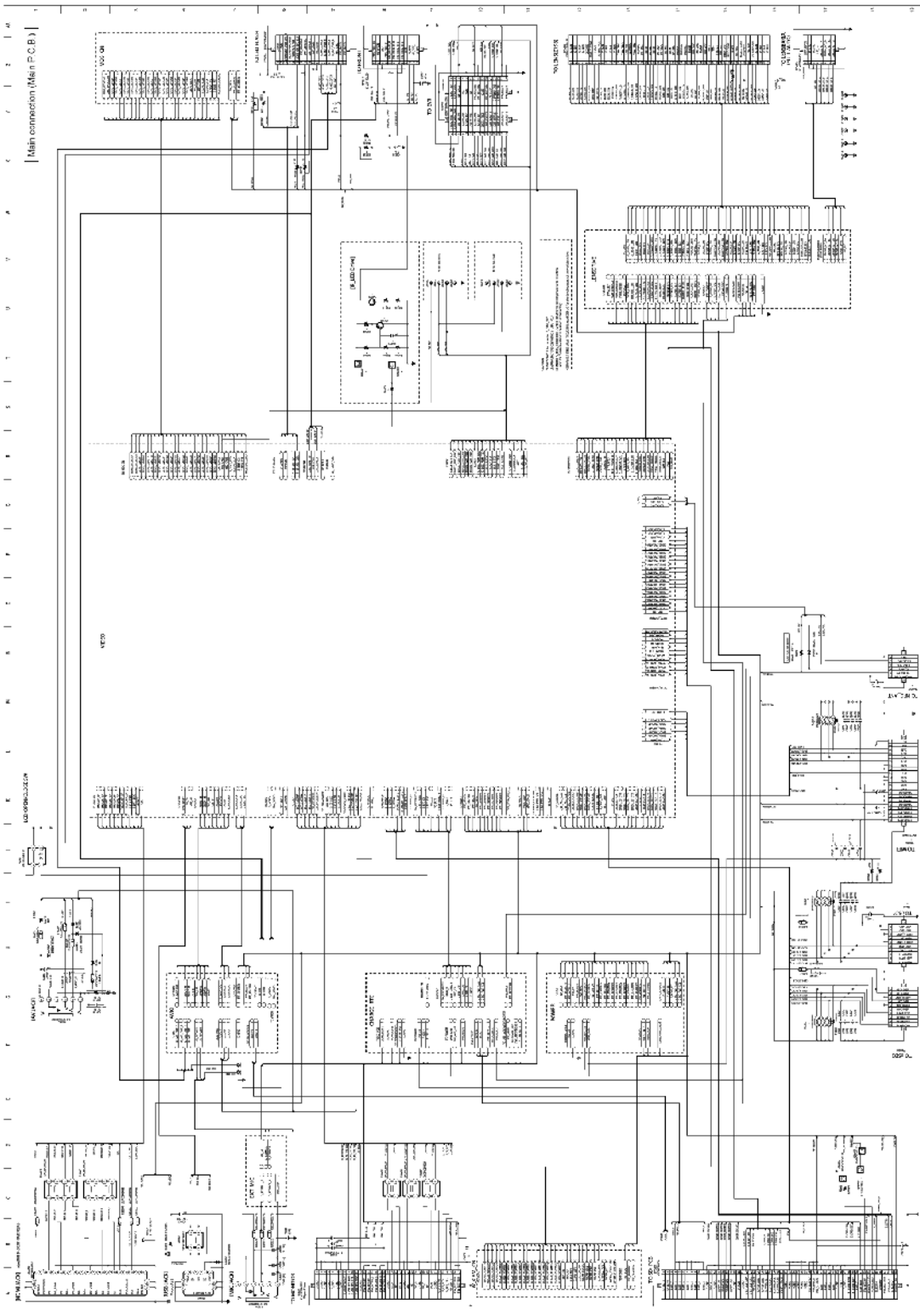
- Note:
1. * Be sure to make your orders of replacement parts according to this list.
 2. **IMPORTANT SAFETY NOTICE**
Components identified with the mark  have the special characteristics for safety.
When replacing any of these components, use only the same type.
 3. Unless otherwise specified,
All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICRO-FARADS (uf), P=uuF.
 4. The marking (RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

E.S.D. standards for Electrostatically Sensitive Devices, refer to PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES section.

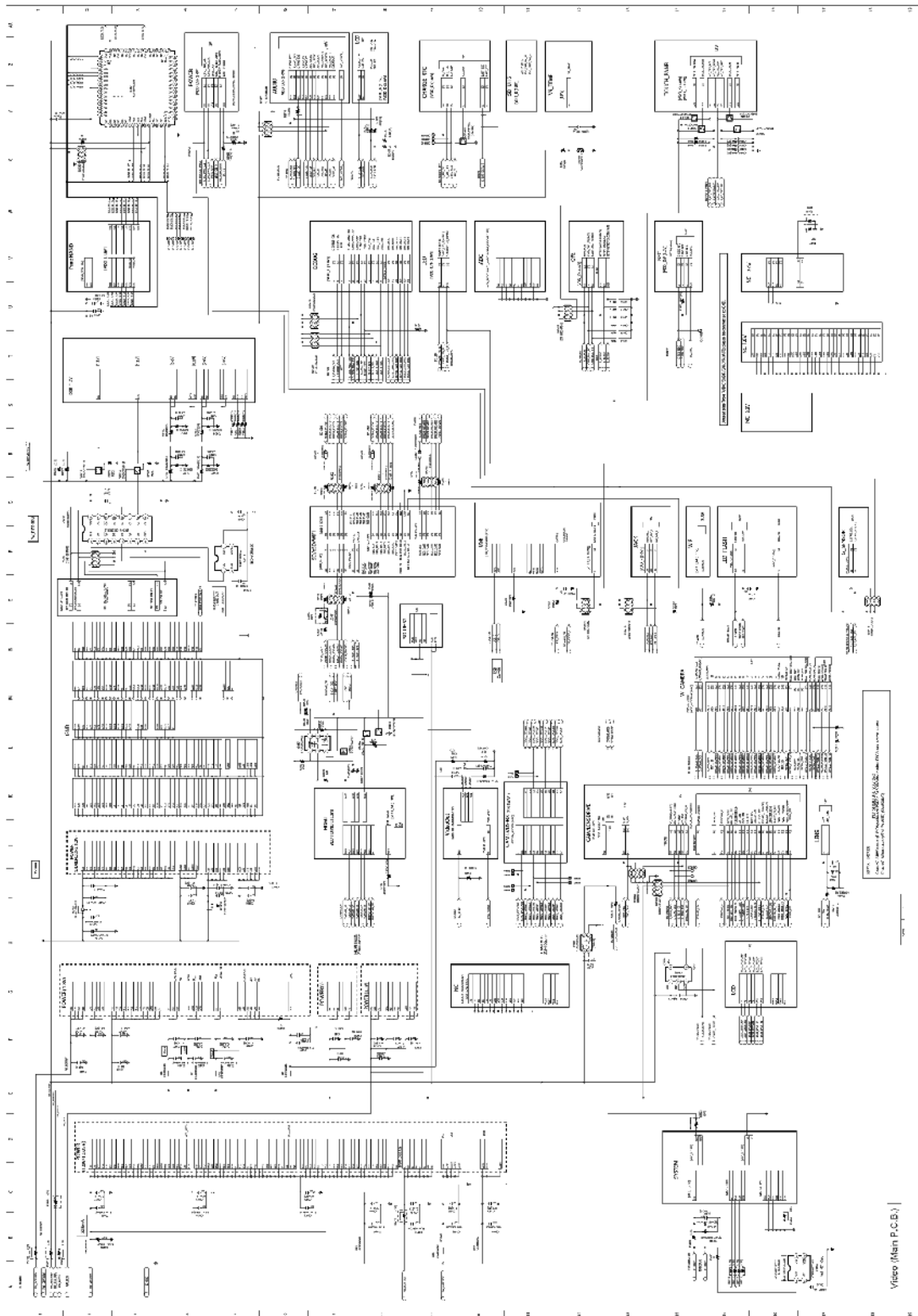
Definition of Parts supplier:

1. Parts marked with [INBD] in the remarks column are supplied from AVC-IMAGING.
Others are supplied from PAVCJM.

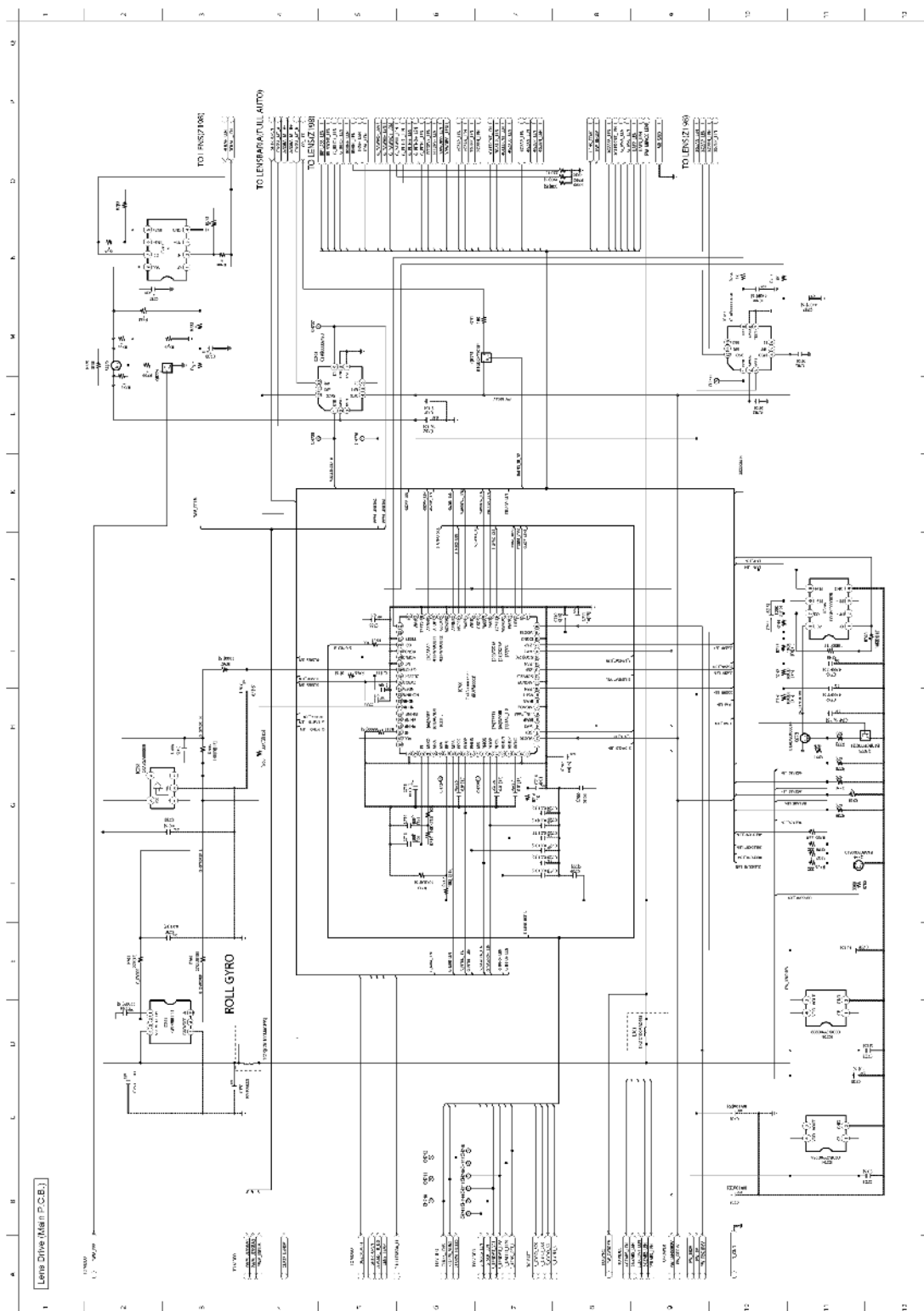
Model No. : HC-V785GC/GK/GN/GW Main connection (Main P.C.B.)



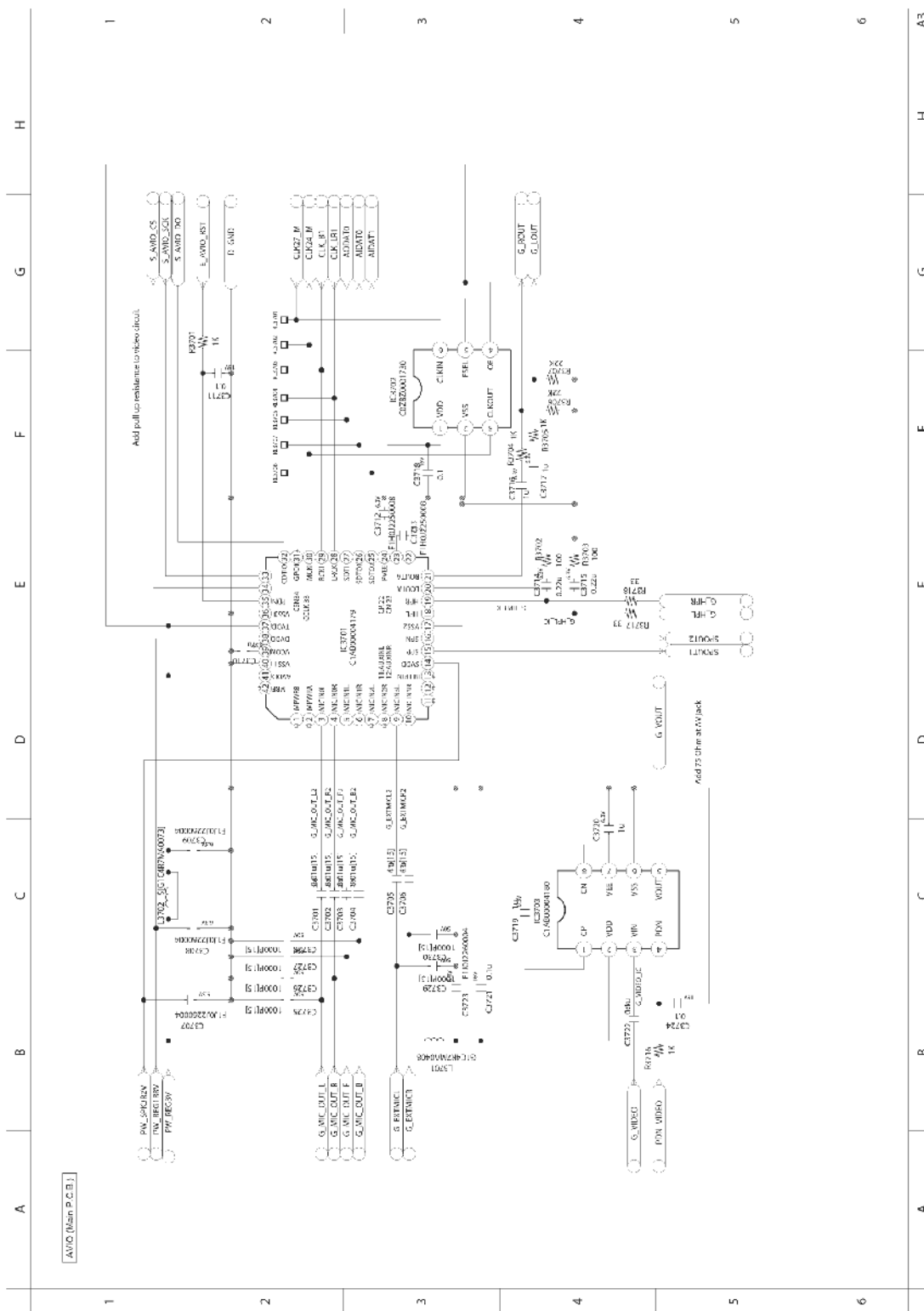
Model No. : HC-V785GC/GK/GN/GW Video (Main P.C.B.)



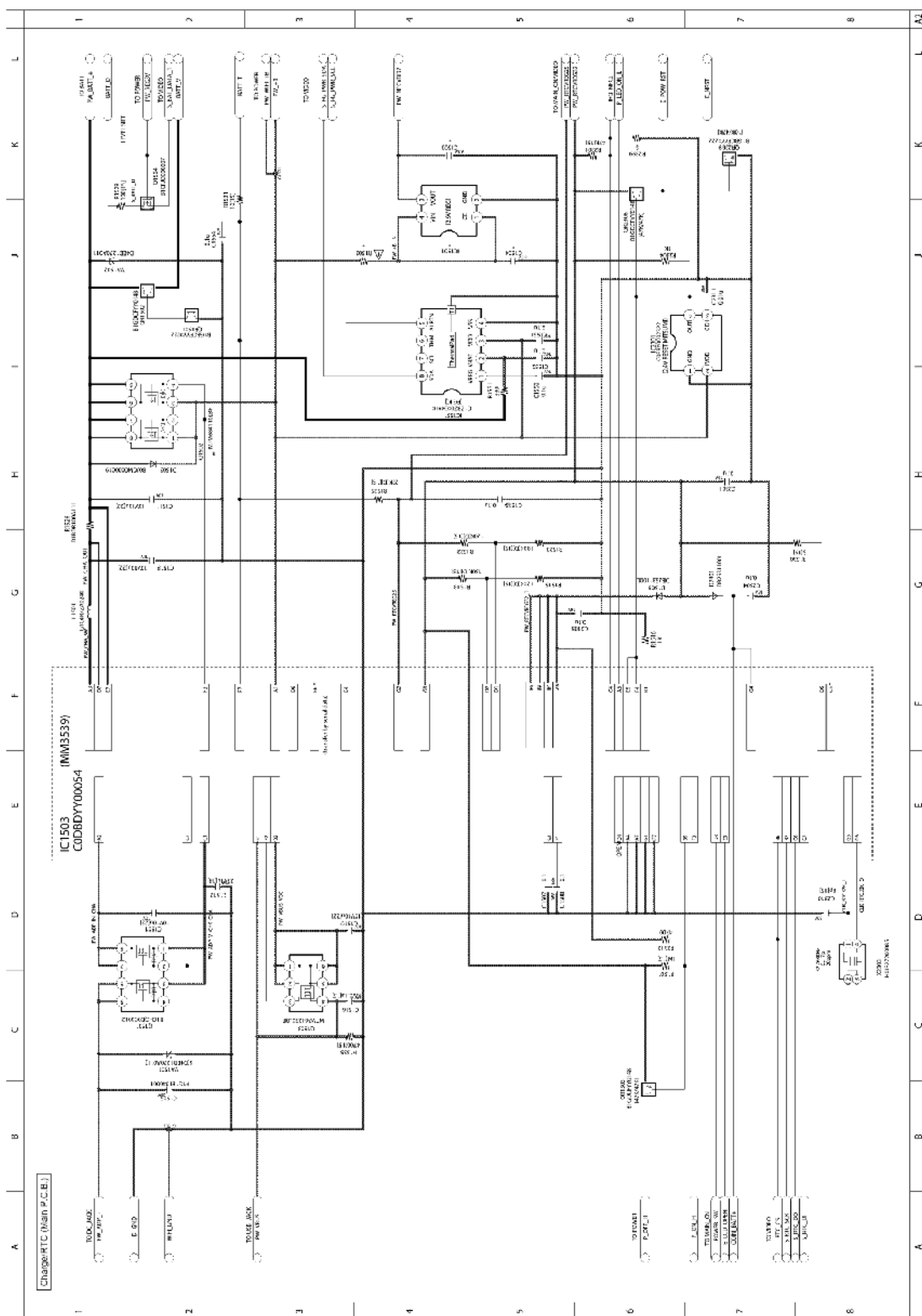
Model No. : HC-V785GC/GK/GN/GW Lens Drive (Main P.C.B.)



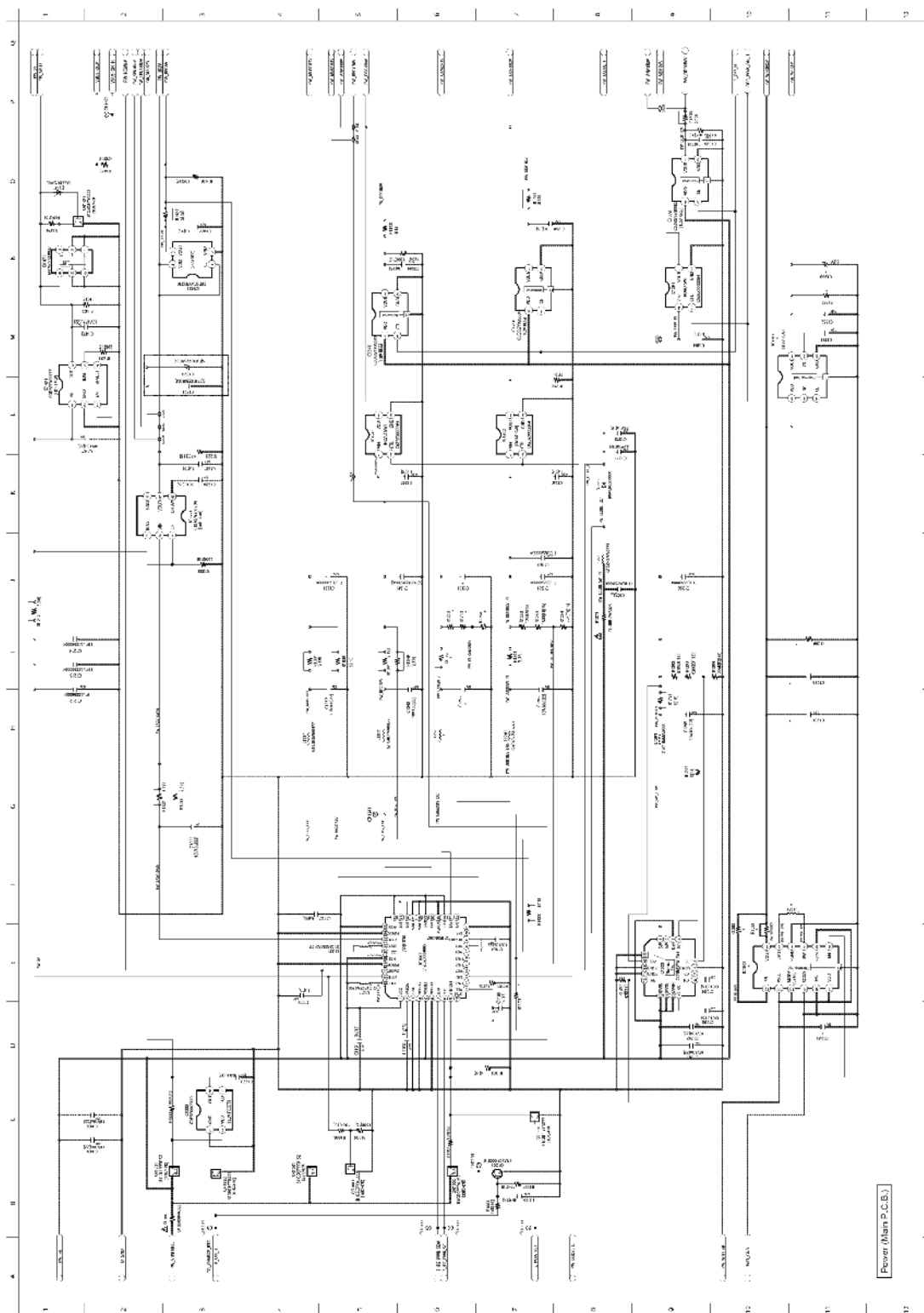
Model No. : HC-V785GC/GK/GN/GW AVIO (Main P.C.B.)



Model No. : HC-V785GC/GK/GN/GW Charge/RTC (Main P.C.B.)

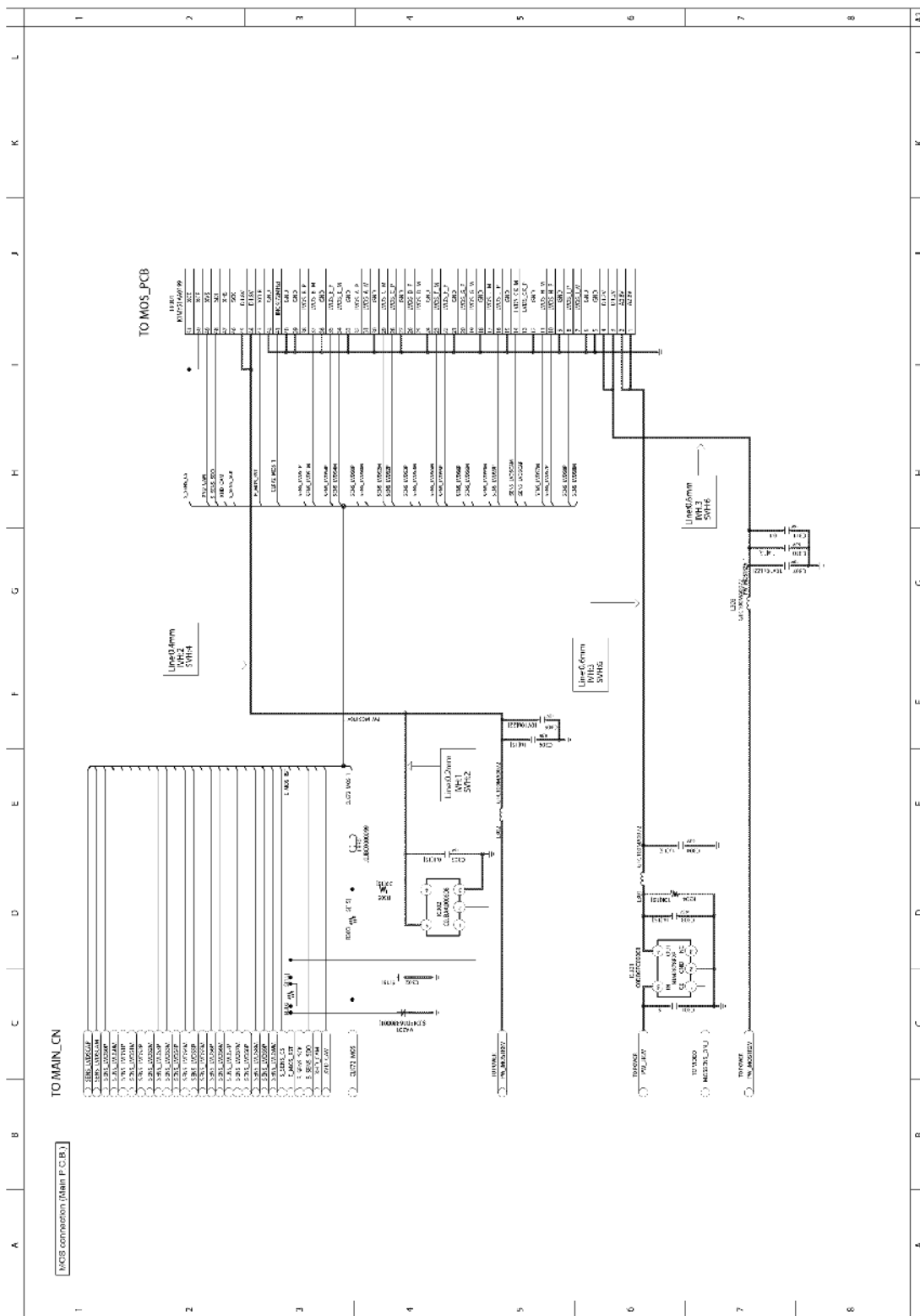


Model No. : HC-V785GC/GK/GN/GW Power (Main P.C.B.)

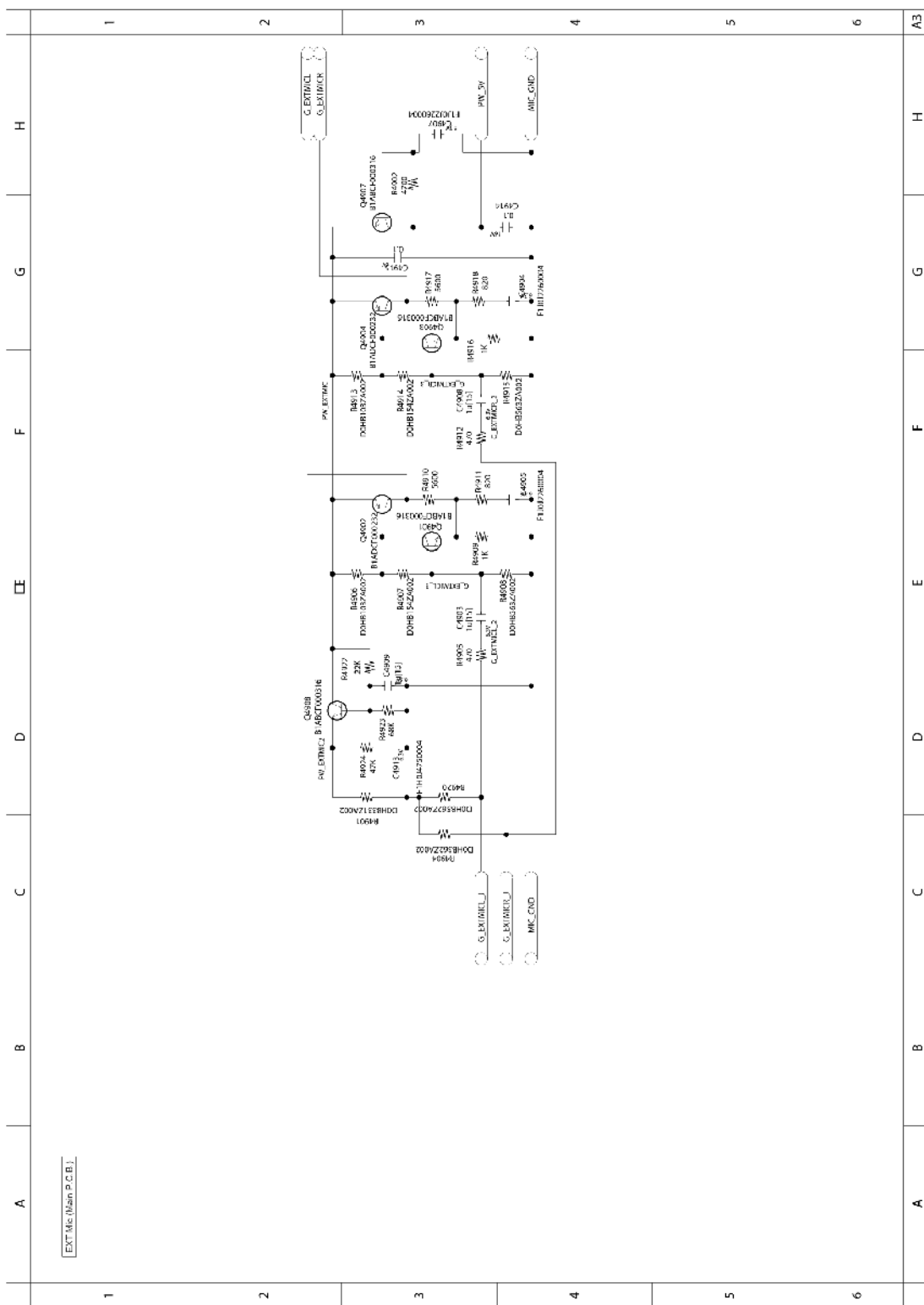


Power (Main P.C.B.)

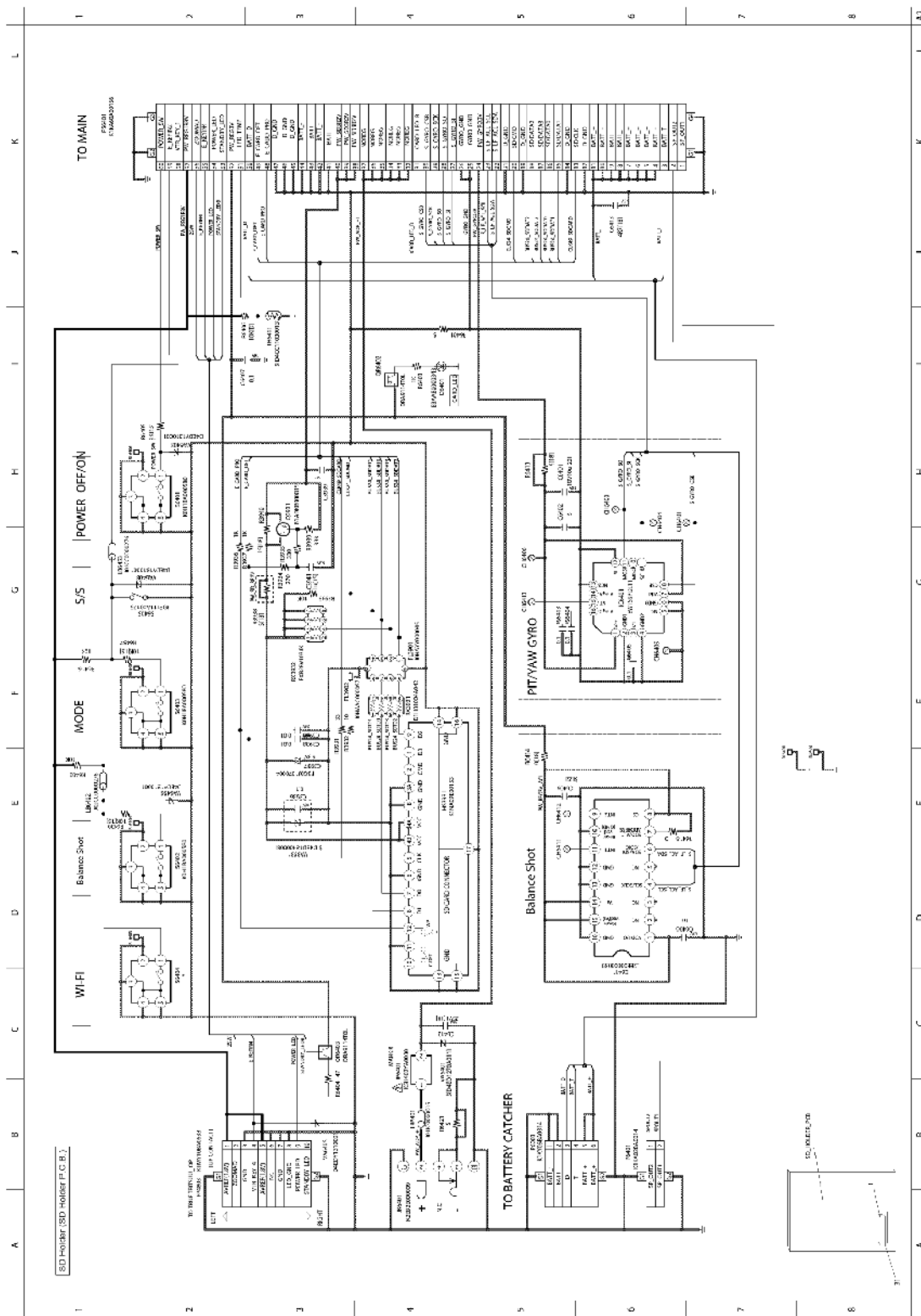
Model No. : HC-V785GC/GK/GN/GW MOS connection (Main P.C.B.)



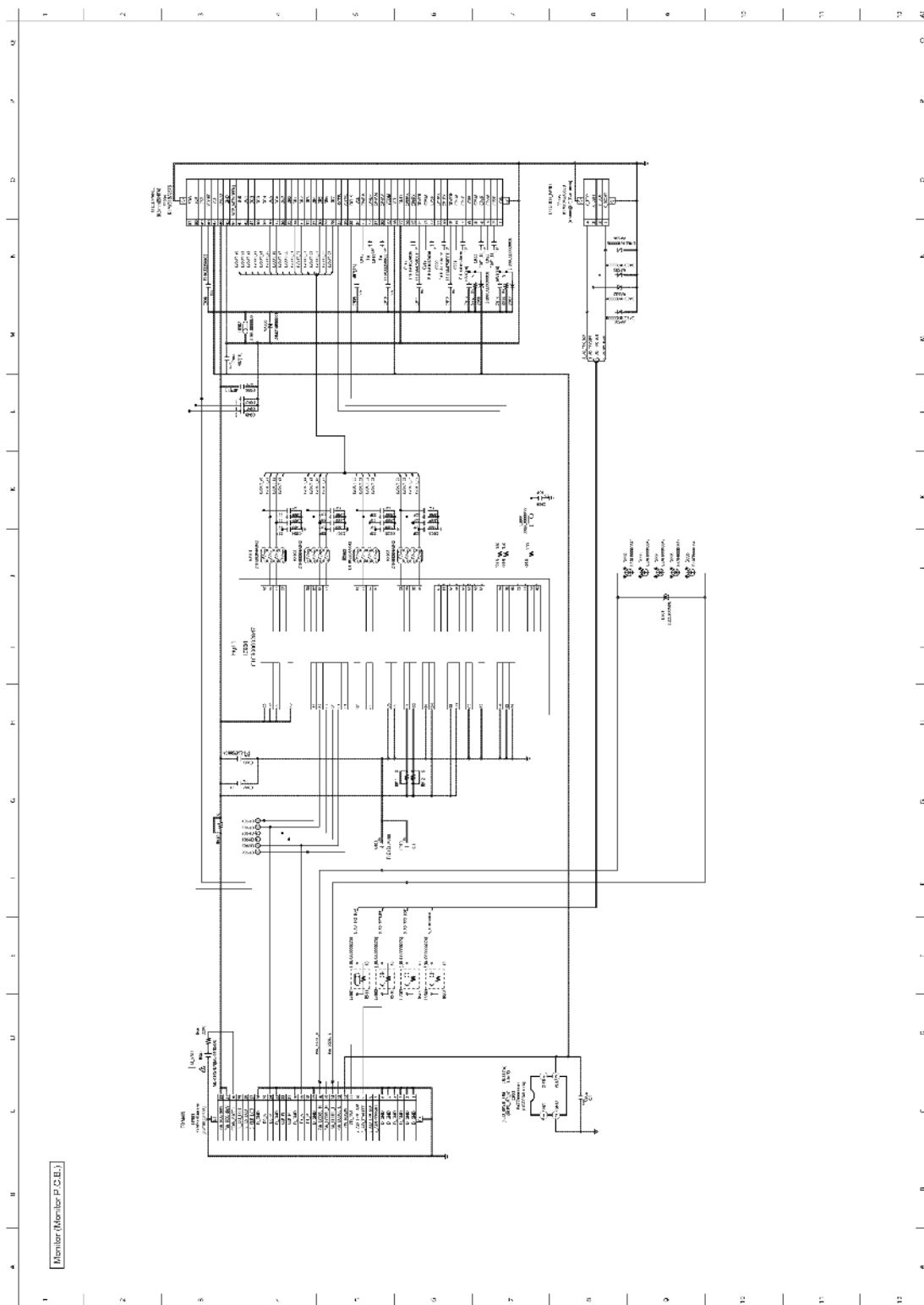
Model No. : HC-V785GC/GK/GN/GW EXT Mic (Main P.C.B.)



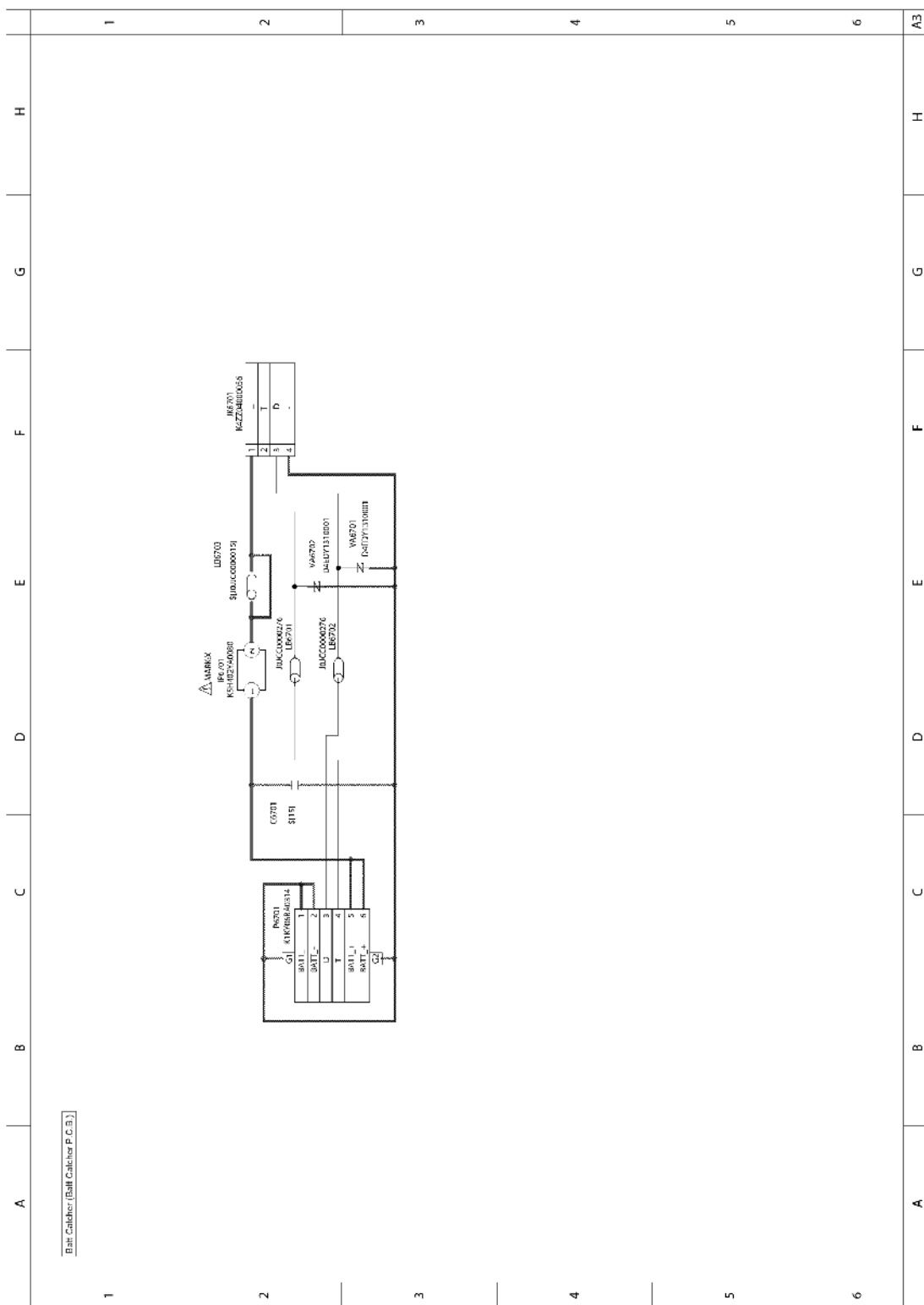
Model No. : HC-V785GC/GK/GN/GW SD Holder (SD Holder P.C.B.)



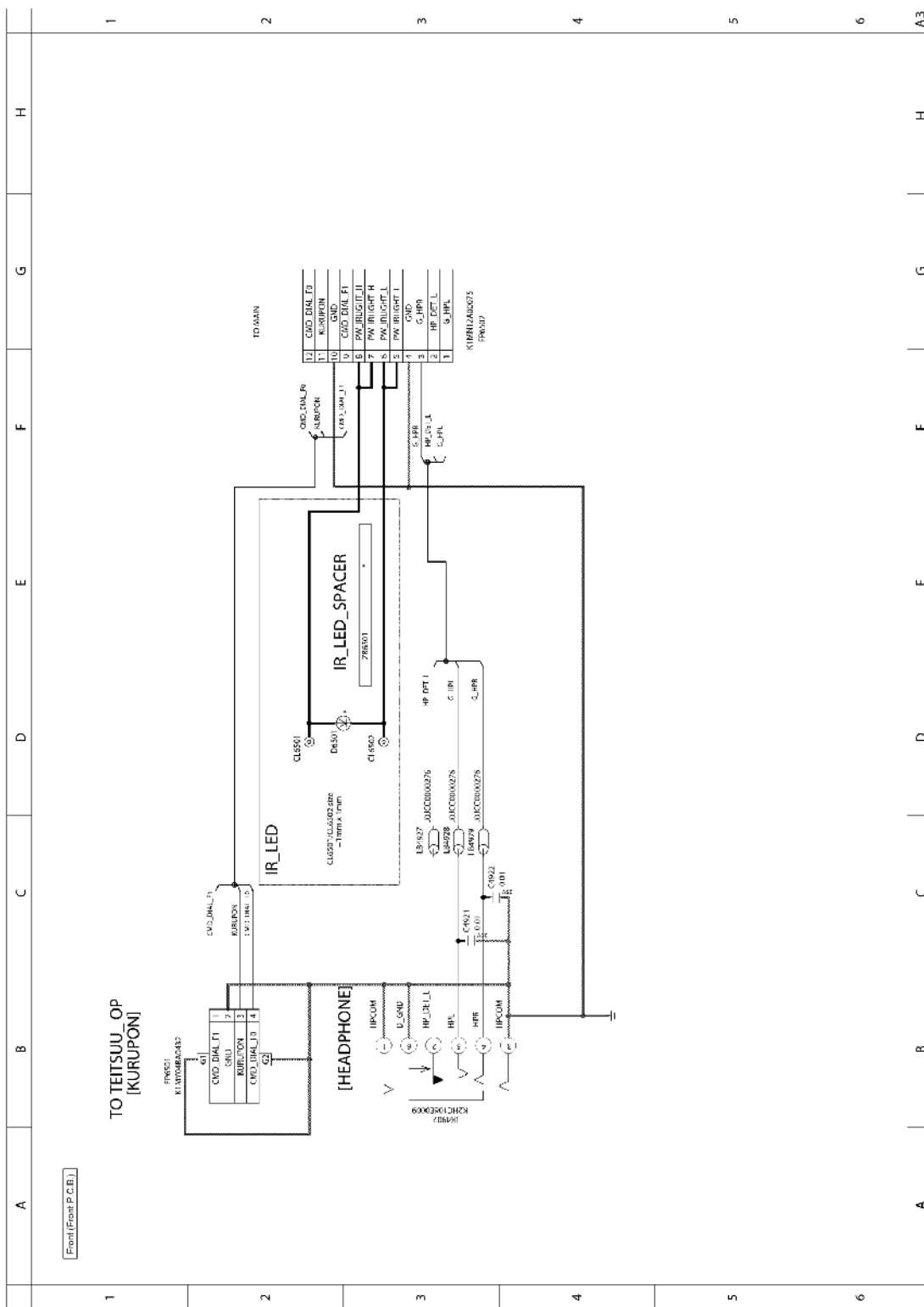
Model No. : HC-V785GC/GK/GN/GW Monitor (Monitor P.C.B.)



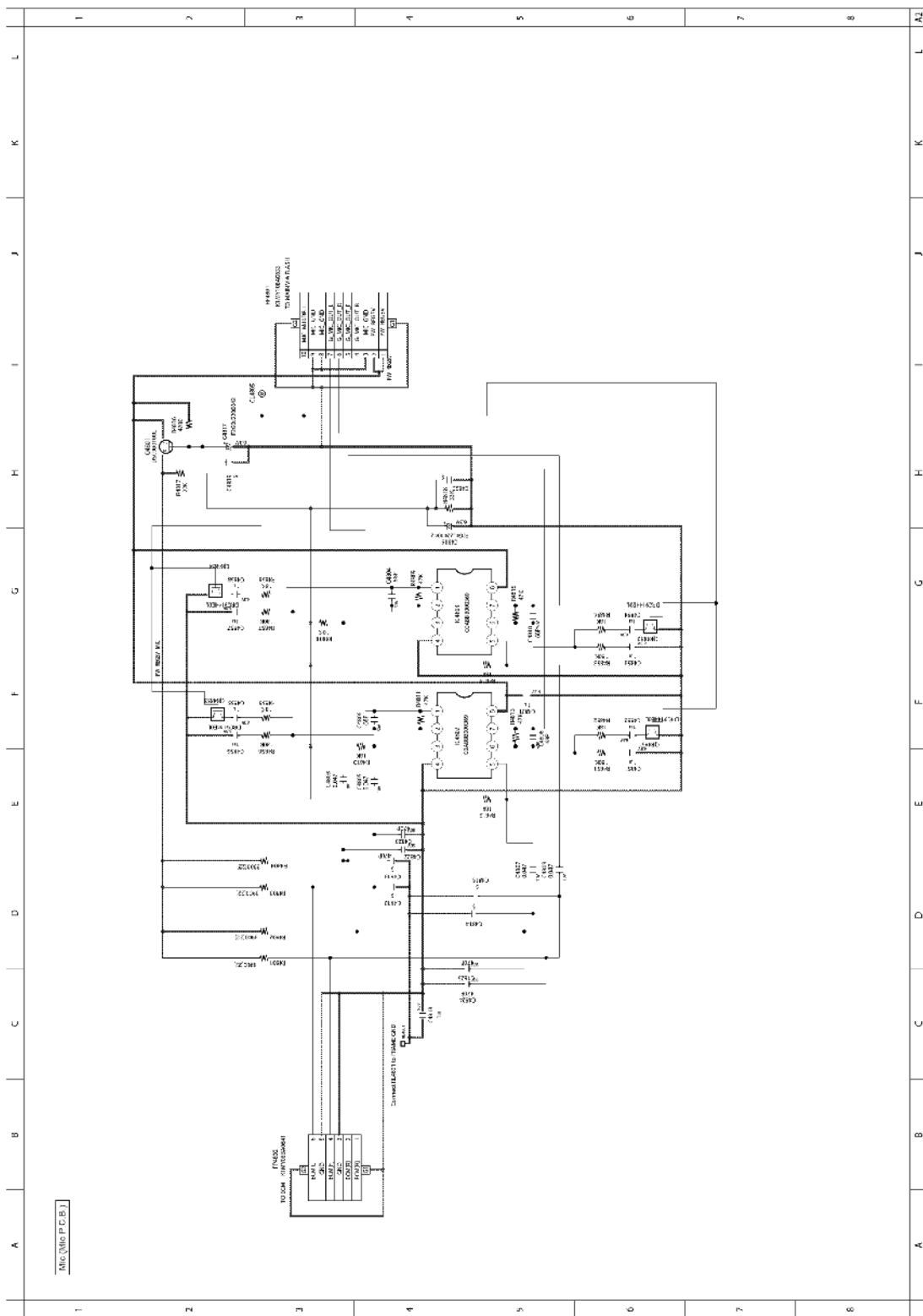
Model No. : HC-V785GC/GK/GN/GW Batt Catcher (Batt Catcher P.C.B.)



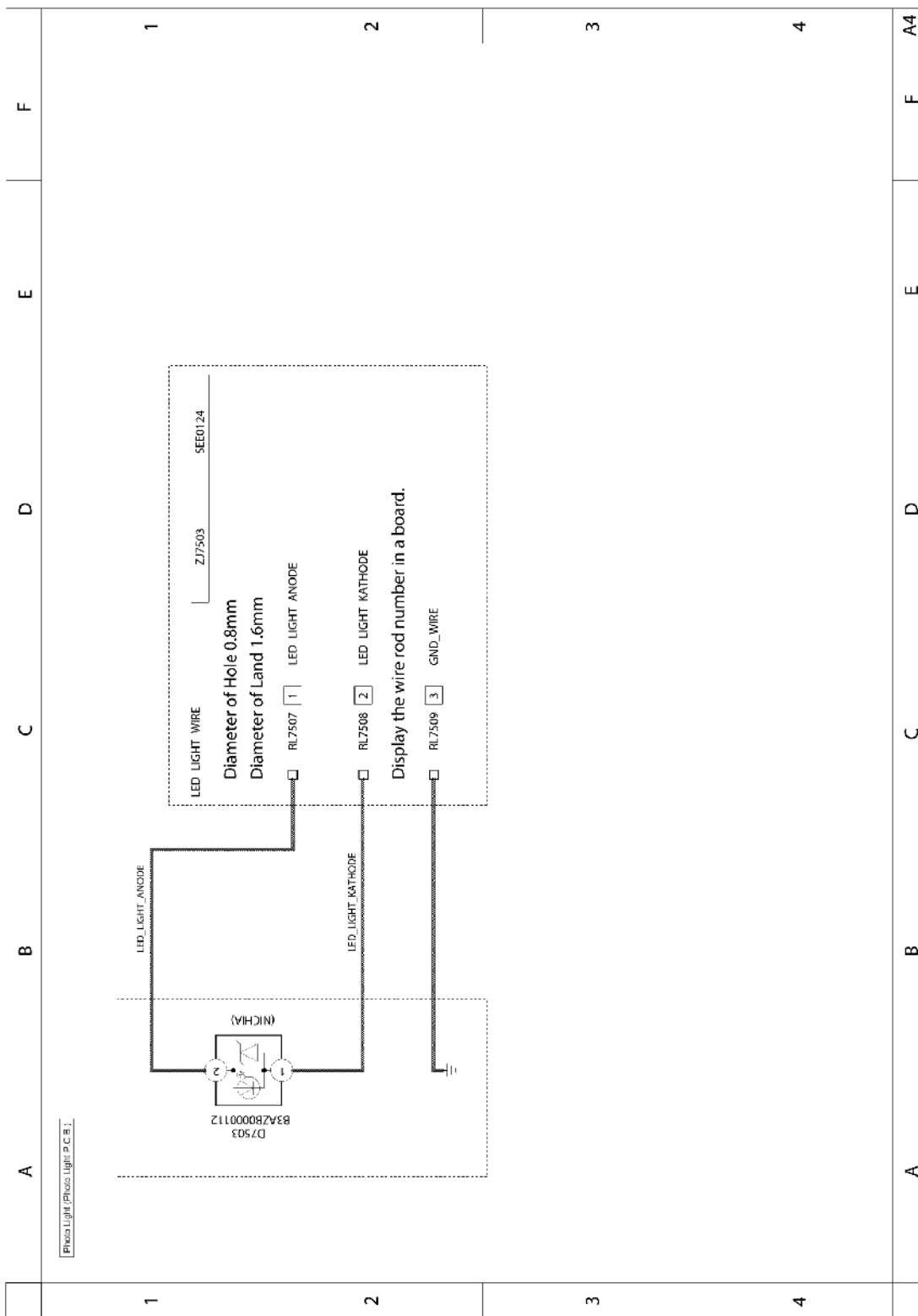
Model No. : HC-V785GC/GK/GN/GW Front (Front P.C.B.)



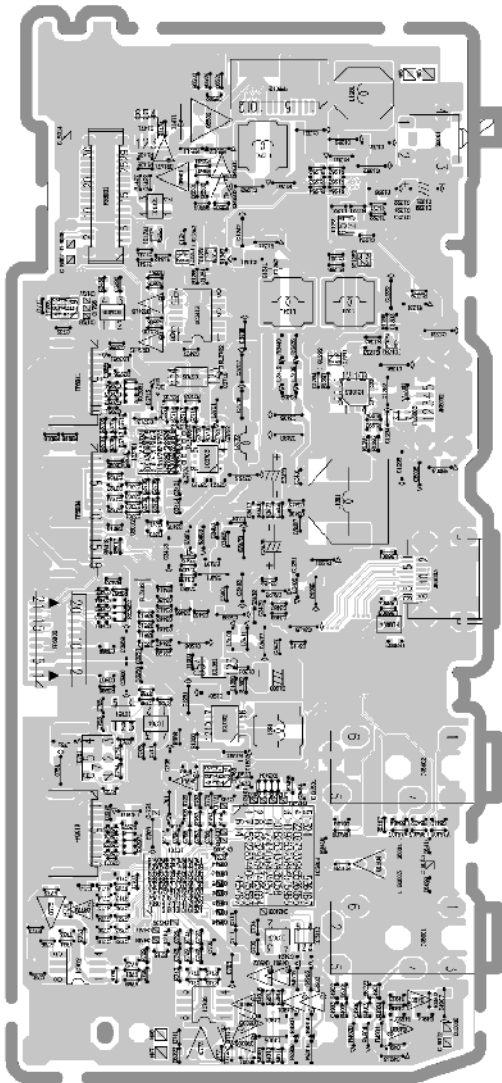
Model No. : HC-V785GC/GK/GN/GW Mic (Mic P.C.B.)



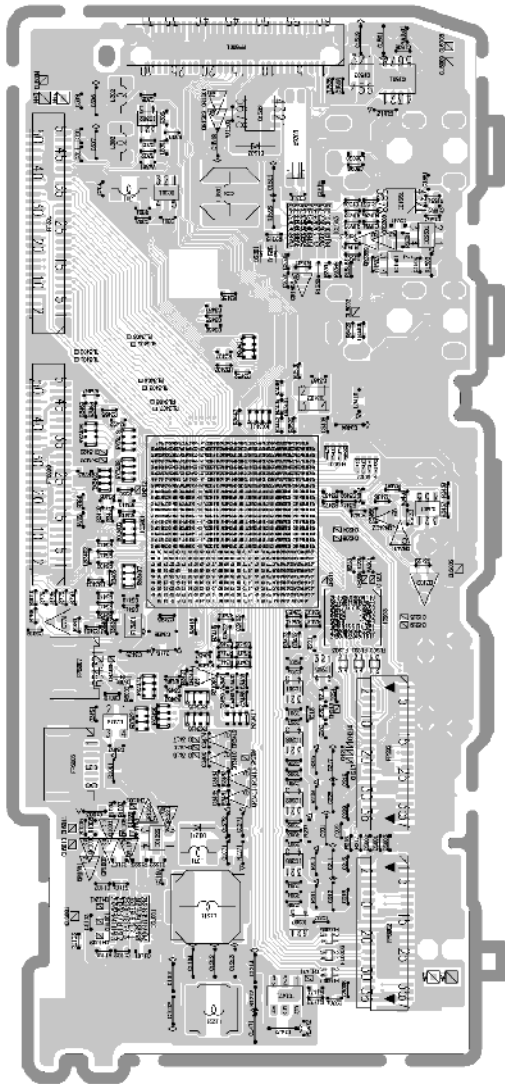
Model No. : HC-V785GC/GK/GN/GW Photo Light (Photo Light P.C.B.)



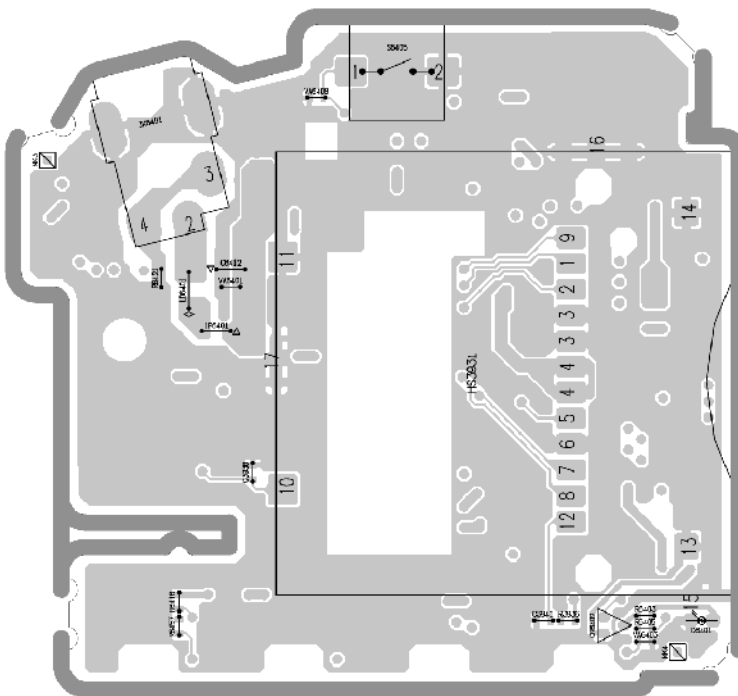
Model No. : HC-V785GC/GK/GN/GW Main P.C.B.(Component Side)



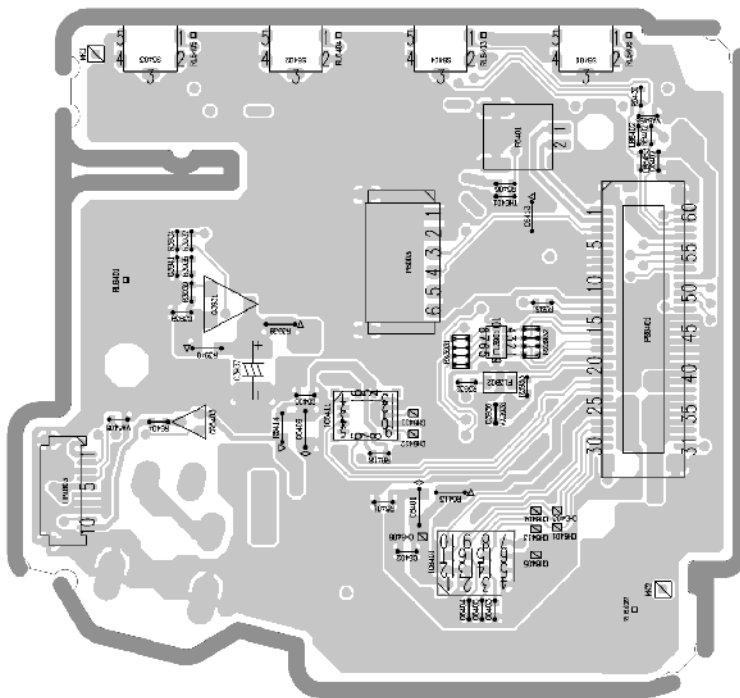
Model No. : HC-V785GC/GK/GN/GW Main P.C.B.(Foil Side)



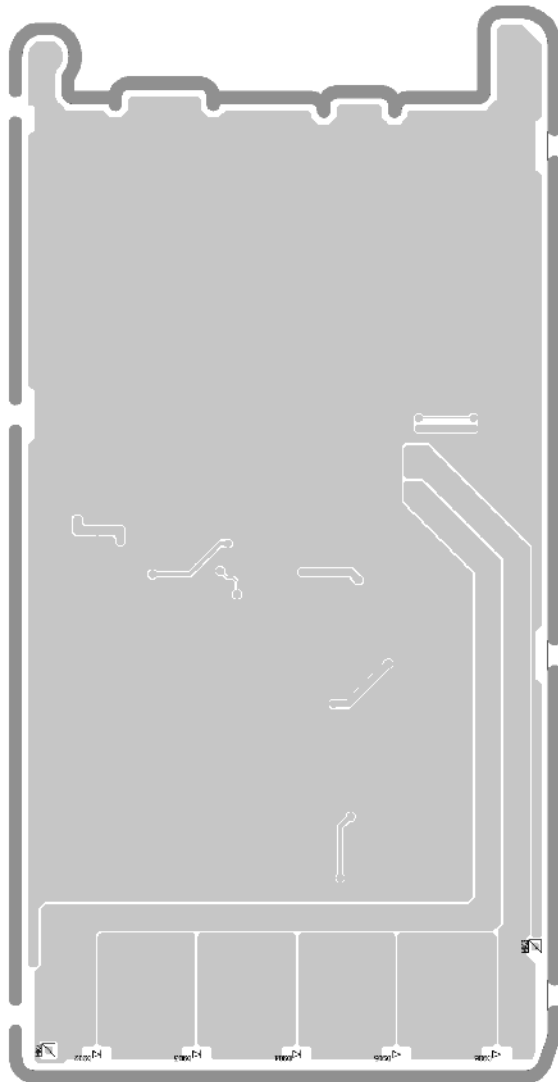
Model No. : HC-V785GC/GK/GN/GW SD Holder P.C.B.(Component Side)



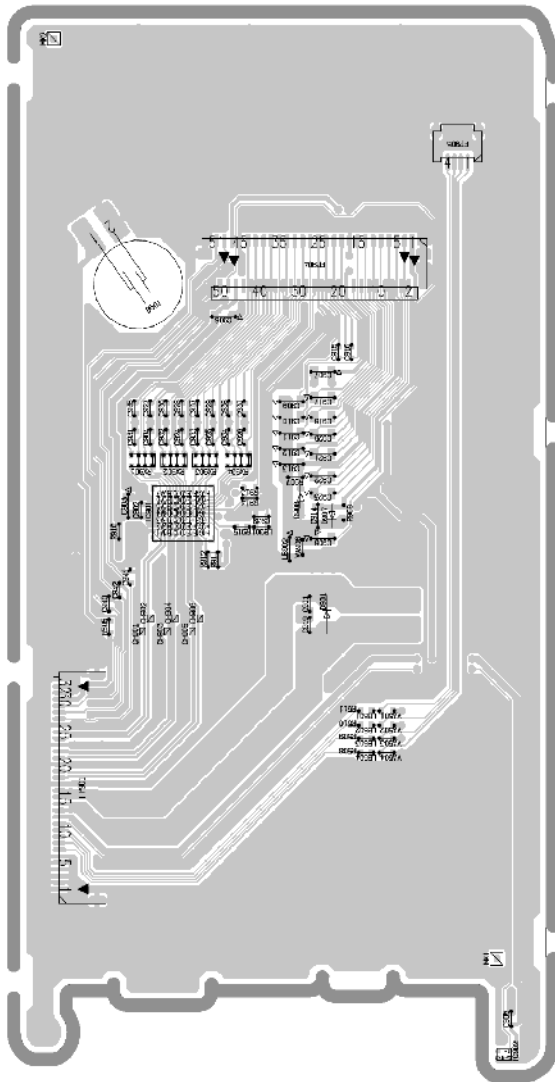
Model No. : HC-V785GC/GK/GN/GW SD Holder P.C.B.(Foil Side)



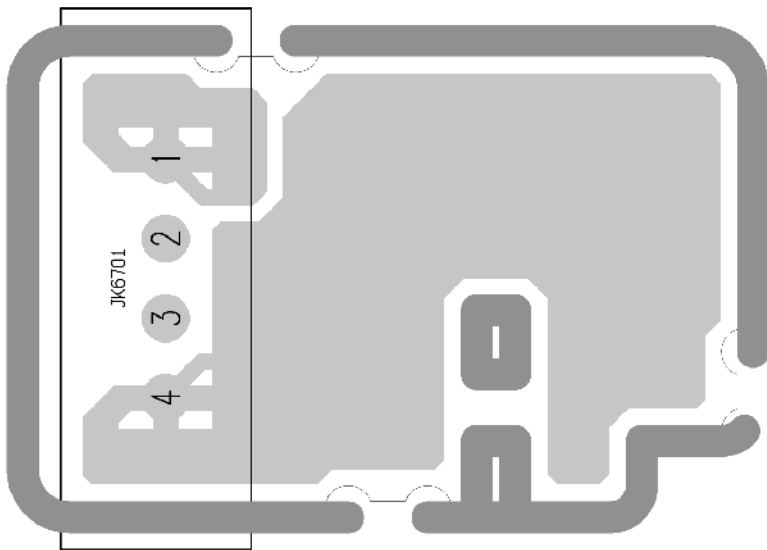
Model No. : HC-V785GC/GK/GN/GW Monitor P.C.B.(Component Side)



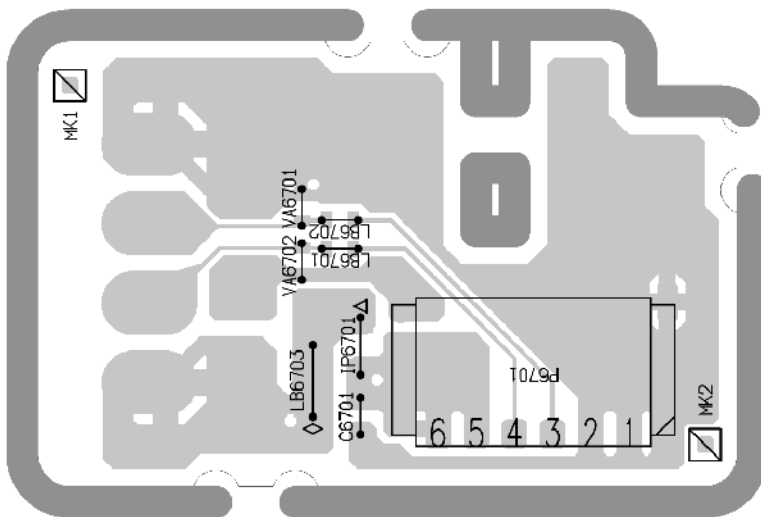
Model No. : HC-V785GC/GK/GN/GW Monitor P.C.B.(Foil Side)



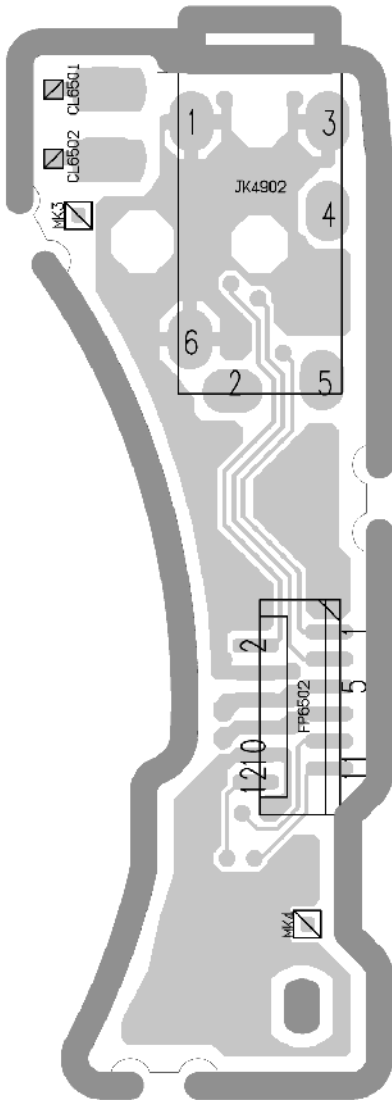
Model No. : HC-V785GC/GK/GN/GW Battery Catcher P.C.B.(Component Side)



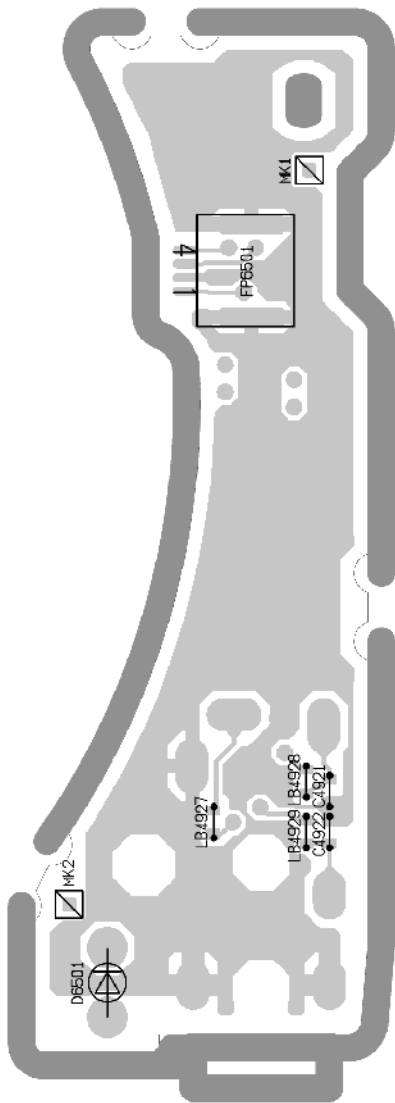
Model No. : HC-V785GC/GK/GN/GW Battery Catcher P.C.B.(Foil Side)



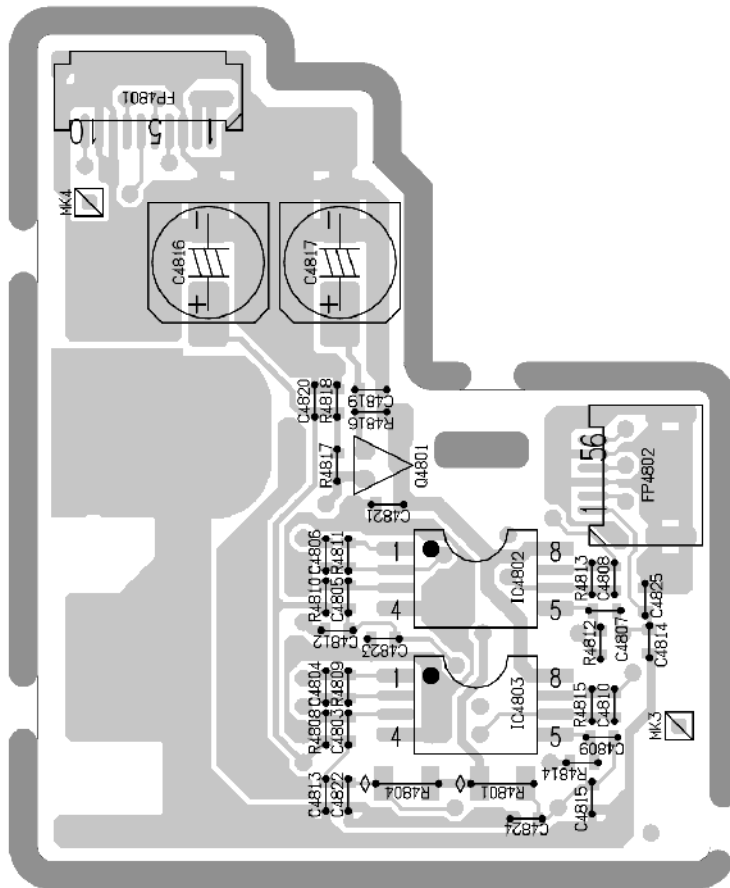
Model No. : HC-V785GC/GK/GN/GW Front P.C.B.(Component Side)



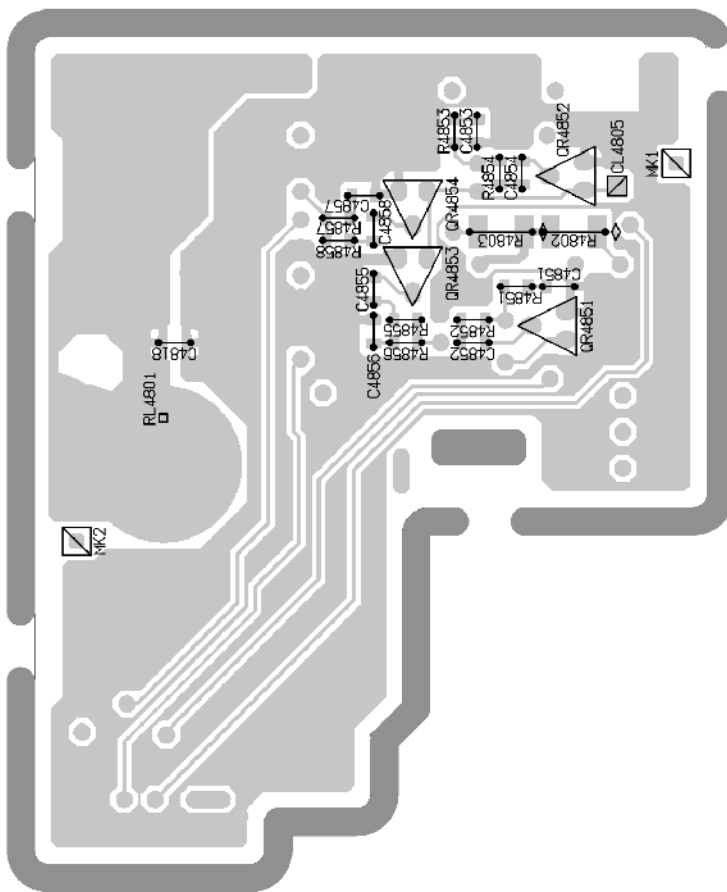
Model No. : HC-V785GC/GK/GN/GW Front P.C.B.(Foil Side)



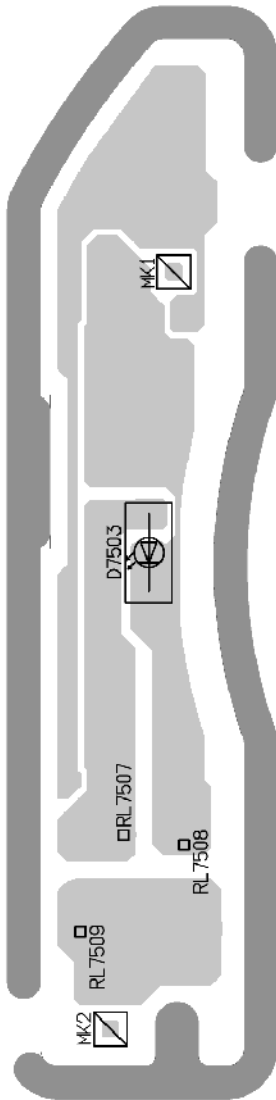
Model No. : HC-V785GC/GK/GN/GW Mic P.C.B.(Component Side)



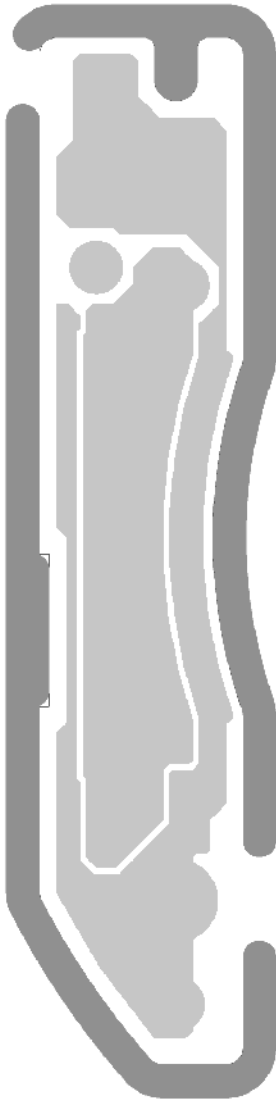
Model No. : HC-V785GC/GK/GN/GW Mic P.C.B.(Foil Side)




Model No. : HC-V785GC/GK/GN/GW Photo Light P.C.B.(Component Side)



Model No. : HC-V785GC/GK/GN/GW Photo Light P.C.B.(Foil Side)



Model No. : HC-V785GC/GK/GN/GW Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		B501	ML-614S/DN	BUTTON BATTERY	1	
		C303	F1G0J1050007	CAPACITOR	1	
		C304	F1G0J1050007	CAPACITOR	1	
		C305	F1G1C104A146	CAPACITOR	1	
		C306	F1J1A106A043	CAPACITOR	1	
		C307	F1J1A106A043	CAPACITOR	1	
		C309	F1G0J1050007	CAPACITOR	1	
		C310	F1G0J1050007	CAPACITOR	1	
		C311	F1G1C104A146	CAPACITOR	1	
		C703	F1J1A106A043	CAPACITOR	1	
		C704	F1G0J1050007	CAPACITOR	1	
		C705	F1G0J1050007	CAPACITOR	1	
		C707	F1G0J1050007	CAPACITOR	1	
		C708	F1J1A106A043	CAPACITOR	1	
		C711	F1G0J1050007	CAPACITOR	1	
		C713	F1G1H101A834	CAPACITOR	1	
		C714	F1G1H101A834	CAPACITOR	1	
		C715	F1G1C104A146	CAPACITOR	1	
		C716	F1G1E103A144	CAPACITOR	1	
		C719	F1G1E103A144	CAPACITOR	1	
		C720	F1G1E103A144	CAPACITOR	1	
		C721	F1G1E103A144	CAPACITOR	1	
		C722	F1G1E103A144	CAPACITOR	1	
		C723	F1G1E103A144	CAPACITOR	1	
		C724	F1G1E103A144	CAPACITOR	1	
		C725	F1G1E103A144	CAPACITOR	1	
		C726	F1G1E103A144	CAPACITOR	1	
		C727	F1G1E103A144	CAPACITOR	1	
		C732	F1G0J1050007	CAPACITOR	1	
		C741	F1G0J1050007	CAPACITOR	1	
		C742	F1G1H472B014	CAPACITOR	1	
		C743	F1G1H472B014	CAPACITOR	1	
		C751	F1J1A106A043	CAPACITOR	1	
		C753	F1G1C104A146	CAPACITOR	1	
		C754	F1G1H222A830	CAPACITOR	1	
		C761	F1G1E103A144	CAPACITOR	1	
		C765	F1G0J1050007	CAPACITOR	1	
		C767	F1G1C104A146	CAPACITOR	1	
		C784	F1G1C104A146	CAPACITOR	1	
		C785	F1G1C104A146	CAPACITOR	1	
		C786	F1G1C104A146	CAPACITOR	1	
		C787	F1G1H471A946	CAPACITOR	1	
		C788	F1G1H471A946	CAPACITOR	1	
		C901	F1G1E1040001	CAPACITOR	1	
		C902	F1G1C104A146	CAPACITOR	1	
		C903	F1H0J4750004	CAPACITOR	1	
		C904	F1G1H220A834	CAPACITOR	1	
		C905	F1G1C104A146	CAPACITOR	1	
		C906	F1H0J4750004	CAPACITOR	1	
		C907	F1H0J4750004	CAPACITOR	1	
		C908	F1H0J2250008	CAPACITOR	1	
		C909	F1H0J4750004	CAPACITOR	1	
		C910	F1H0J2250008	CAPACITOR	1	
		C911	F1H1A4750001	CAPACITOR	1	
		C912	F1H1A4750001	CAPACITOR	1	
		C913	F1H1E105A116	CAPACITOR	1	
		C914	F1H1C105A167	CAPACITOR	1	
		C915	F1G0J1050007	CAPACITOR	1	
		C916	F1G0J1050007	CAPACITOR	1	
		C917	F1H1A105A036	CAPACITOR	1	
		C918	F1H1A105A036	CAPACITOR	1	

		C919	F1G1C104A146	CAPACITOR	1	
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Model No. : HC-V785GC/GK/GN/GW Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C920	F1H1A105A036	CAPACITOR	1	
		C921	F1H1A105A036	CAPACITOR	1	
		C922	F1H1C105A167	CAPACITOR	1	
		C923	F1H1C105A167	CAPACITOR	1	
		C924	F1G1H220A834	CAPACITOR	1	
		C925	F1G1H220A834	CAPACITOR	1	
		C926	F1G1H220A834	CAPACITOR	1	
		C927	F1G1H220A834	CAPACITOR	1	
		C928	F1G1H220A834	CAPACITOR	1	
		C929	F1G1H220A834	CAPACITOR	1	
		C930	F1G1H220A834	CAPACITOR	1	
		C931	F1G1H220A834	CAPACITOR	1	
		C932	F1G1H220A834	CAPACITOR	1	
		C933	F1G1H220A834	CAPACITOR	1	
		C934	F1G1H220A834	CAPACITOR	1	
		C935	F1G1H220A834	CAPACITOR	1	
		C936	F1G1H220A834	CAPACITOR	1	
		C937	F1G1H220A834	CAPACITOR	1	
		C938	F1G1H220A834	CAPACITOR	1	
		C939	F1G1H100A833	CAPACITOR	1	
		C1001	F1J1A106A043	CAPACITOR	1	
		C1002	F1J1A106A043	CAPACITOR	1	
		C1003	F1H0J4750004	CAPACITOR	1	
		C1071	F1H0J4750004	CAPACITOR	1	
		C1101	F1G0J1050007	CAPACITOR	1	
		C1102	F1G0J1050007	CAPACITOR	1	
		C1103	F1G0J1050007	CAPACITOR	1	
		C1104	F1J1A106A043	CAPACITOR	1	
		C1107	F1G0J1050007	CAPACITOR	1	
		C1110	F1G0J1050007	CAPACITOR	1	
		C1212	F1J0J2260004	CAPACITOR	1	
		C1221	F1G0J1050007	CAPACITOR	1	
		C1222	F1J1A106A043	CAPACITOR	1	
		C1223	F1G1E103A144	CAPACITOR	1	
		C1224	F1G1E103A144	CAPACITOR	1	
		C1232	F1J1A106A043	CAPACITOR	1	
		C1241	F1G0J1050007	CAPACITOR	1	
		C1242	F1J1A106A043	CAPACITOR	1	
		C1261	F1G0J1050007	CAPACITOR	1	
		C1262	F1J1A106A043	CAPACITOR	1	
		C1264	F1G0J1050007	CAPACITOR	1	
		C1271	F1H1E105A116	CAPACITOR	1	
		C1272	F1H1E105A116	CAPACITOR	1	
		C1281	F1J1A106A043	CAPACITOR	1	
		C1284	F1J0J2260004	CAPACITOR	1	
		C1288	F3G0J1070004	CAPACITOR	1	
		C1291	F1J1A106A043	CAPACITOR	1	
		C1292	F1J1A106A043	CAPACITOR	1	
		C1293	F1G1E103A144	CAPACITOR	1	
		C1294	F1G1E103A144	CAPACITOR	1	
		C1295	F1J1A106A043	CAPACITOR	1	
		C1296	F1J0J2260004	CAPACITOR	1	
		C1331	F1J0J2260004	CAPACITOR	1	
		C1344	F1G0J1050007	CAPACITOR	1	
		C1361	F1J0J2260004	CAPACITOR	1	
		C1362	F1J0J2260004	CAPACITOR	1	
		C1381	F1G0J4740003	CAPACITOR	1	
		C1382	F1G0J1050007	CAPACITOR	1	
		C1393	F1G0J1050007	CAPACITOR	1	
		C1394	F1G0J1050007	CAPACITOR	1	
		C1422	F1G0J1050007	CAPACITOR	1	

		C1471	F1J1A106A043	CAPACITOR	1	
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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C1472	F1J1A475A112	CAPACITOR	1	
		C1501	F1J1A106A043	CAPACITOR	1	
		C1505	F1G1E1040001	CAPACITOR	1	
		C1507	F1G1C104A146	CAPACITOR	1	
		C1508	F1G1C104A146	CAPACITOR	1	
		C1511	F1J1A106A043	CAPACITOR	1	
		C1512	F1H1E105A116	CAPACITOR	1	
		C1515	F1G1C104A146	CAPACITOR	1	
		C1516	F1G1C104A146	CAPACITOR	1	
		C1518	F1J1A106A043	CAPACITOR	1	
		C1519	F1J1A106A043	CAPACITOR	1	
		C1551	F1G1C104A146	CAPACITOR	1	
		C1552	F1G1C104A146	CAPACITOR	1	
		C1553	F1G1C104A146	CAPACITOR	1	
		C1554	F1G1C104A146	CAPACITOR	1	
		C2301	F1G1C104A146	CAPACITOR	1	
		C2304	F1G1C104A146	CAPACITOR	1	
		C2305	F1G1C104A146	CAPACITOR	1	
		C2310	F1G1H8ROA833	CAPACITOR	1	
		C2311	F1G1E103A144	CAPACITOR	1	
		C3401	F1J0J106A020	CAPACITOR	1	
		C3403	F1J0J106A020	CAPACITOR	1	
		C3404	F1G1C104A146	CAPACITOR	1	
		C3405	F1J0J1060009	CAPACITOR	1	
		C3406	F1G1C104A146	CAPACITOR	1	
		C3407	F1G1C104A146	CAPACITOR	1	
		C3408	F1G0J1050007	CAPACITOR	1	
		C3409	F1G1E103A144	CAPACITOR	1	
		C3411	F1G1C104A146	CAPACITOR	1	
		C3412	F1G1C104A146	CAPACITOR	1	
		C3413	F1J0J106A020	CAPACITOR	1	
		C3414	F1G1C104A146	CAPACITOR	1	
		C3415	F1J0J106A020	CAPACITOR	1	
		C3416	F1G1C104A146	CAPACITOR	1	
		C3417	F1G1E103A144	CAPACITOR	1	
		C3420	F3F0G4760004	CAPACITOR	1	
		C3421	F1G1C104A146	CAPACITOR	1	
		C3422	F1G1E103A144	CAPACITOR	1	
		C3423	F1H0J4750004	CAPACITOR	1	
		C3424	F1G1C104A146	CAPACITOR	1	
		C3425	F1G1C104A146	CAPACITOR	1	
		C3426	F1G1E682A144	CAPACITOR	1	
		C3427	F1G1C104A146	CAPACITOR	1	
		C3428	F1G1C104A146	CAPACITOR	1	
		C3429	F1G1C104A146	CAPACITOR	1	
		C3430	F1G1C104A146	CAPACITOR	1	
		C3431	F1G1C104A146	CAPACITOR	1	
		C3432	F1G0J1050007	CAPACITOR	1	
		C3433	F1G1C104A146	CAPACITOR	1	
		C3434	F1G1C104A146	CAPACITOR	1	
		C3435	F1J0J1060009	CAPACITOR	1	
		C3437	F1G1C104A146	CAPACITOR	1	
		C3438	F1G1C104A146	CAPACITOR	1	
		C3439	F1G1C104A146	CAPACITOR	1	
		C3443	F1G0J1050007	CAPACITOR	1	
		C3444	F1G1C104A146	CAPACITOR	1	
		C3447	F1G0J1050007	CAPACITOR	1	
		C3449	F1G1C104A146	CAPACITOR	1	
		C3450	F1G1C104A146	CAPACITOR	1	
		C3451	F1G1C104A146	CAPACITOR	1	
		C3452	F1G1C104A146	CAPACITOR	1	

		C3453	F1G1H472B014	CAPACITOR	1	
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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C3454	F1G1C104A146	CAPACITOR	1	
		C3455	F1G1E103A144	CAPACITOR	1	
		C3456	F1G1C104A146	CAPACITOR	1	
		C3457	F1G1E103A144	CAPACITOR	1	
		C3458	F1G1C104A146	CAPACITOR	1	
		C3459	F1G1C104A146	CAPACITOR	1	
		C3460	F1G1C104A146	CAPACITOR	1	
		C3461	F1G1E103A144	CAPACITOR	1	
		C3462	F1G1C104A146	CAPACITOR	1	
		C3463	F1G1C104A146	CAPACITOR	1	
		C3464	F1J0J1060009	CAPACITOR	1	
		C3465	F1G1C104A146	CAPACITOR	1	
		C3466	F1G0J1050007	CAPACITOR	1	
		C3467	F1G1E103A144	CAPACITOR	1	
		C3468	F1G1E103A144	CAPACITOR	1	
		C3469	F1G1C104A146	CAPACITOR	1	
		C3474	F1G1H332A946	CAPACITOR	1	
		C3476	F3G0J1070004	CAPACITOR	1	
		C3477	F1J0J106A020	CAPACITOR	1	
		C3479	F1J0J106A020	CAPACITOR	1	
		C3480	F1G0J1050007	CAPACITOR	1	
		C3481	F1G1C104A146	CAPACITOR	1	
		C3483	F1G1E103A144	CAPACITOR	1	
		C3484	F1G1H332A946	CAPACITOR	1	
		C3485	F1G1H332A946	CAPACITOR	1	
		C3486	F1G1H332A946	CAPACITOR	1	
		C3487	F1G0J1050007	CAPACITOR	1	
		C3488	F1G1C104A146	CAPACITOR	1	
		C3489	F1J0J106A020	CAPACITOR	1	
		C3490	F1J0J1060009	CAPACITOR	1	
		C3491	F1G1C104A146	CAPACITOR	1	
		C3492	F1G1C104A146	CAPACITOR	1	
		C3495	F1J0J1060009	CAPACITOR	1	
		C3496	F1G1C104A146	CAPACITOR	1	
		C3497	F1G1C104A146	CAPACITOR	1	
		C3701	F1G1E103A144	CAPACITOR	1	
		C3702	F1G1E103A144	CAPACITOR	1	
		C3703	F1G1E103A144	CAPACITOR	1	
		C3704	F1G1E103A144	CAPACITOR	1	
		C3705	F1G0J1050007	CAPACITOR	1	
		C3706	F1G0J1050007	CAPACITOR	1	
		C3707	F1J0J2260004	CAPACITOR	1	
		C3708	F1J0J2260004	CAPACITOR	1	
		C3709	F1J0J2260004	CAPACITOR	1	
		C3710	F1G0J1050007	CAPACITOR	1	
		C3711	F1G1C104A146	CAPACITOR	1	
		C3712	F1H0J2250008	CAPACITOR	1	
		C3713	F1H0J2250008	CAPACITOR	1	
		C3714	F1G0J2240003	CAPACITOR	1	
		C3715	F1G0J2240003	CAPACITOR	1	
		C3716	F1G0J1050007	CAPACITOR	1	
		C3717	F1G0J1050007	CAPACITOR	1	
		C3718	F1G1C104A146	CAPACITOR	1	
		C3719	F1G0J1050007	CAPACITOR	1	
		C3720	F1G0J1050007	CAPACITOR	1	
		C3721	F1G1C104A146	CAPACITOR	1	
		C3722	F1G1C104A146	CAPACITOR	1	
		C3723	F1J0J2260004	CAPACITOR	1	
		C3724	F1G1C104A146	CAPACITOR	1	
		C3725	F1G1H102A830	CAPACITOR	1	
		C3726	F1G1H102A830	CAPACITOR	1	

		C3727	F1G1H102A830	CAPACITOR	1	
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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C3728	F1G1H102A830	CAPACITOR	1	
		C3729	F1G1H102A830	CAPACITOR	1	
		C3730	F1G1H102A830	CAPACITOR	1	
		C3936	F1G1C104A146	CAPACITOR	1	
		C3937	F3G0J1070004	CAPACITOR	1	
		C3938	F1G1E103A144	CAPACITOR	1	
		C3940	F1G1E103A144	CAPACITOR	1	
		C3941	F1G0J1050007	CAPACITOR	1	
		C3957	F1G1C104A146	CAPACITOR	1	
		C3958	F1G1C104A146	CAPACITOR	1	
		C4803	F1G1A473A069	CAPACITOR	1	
		C4804	F1G1H680A834	CAPACITOR	1	
		C4805	F1G1A473A069	CAPACITOR	1	
		C4806	F1G1H680A834	CAPACITOR	1	
		C4807	F1G1A473A069	CAPACITOR	1	
		C4808	F1G1H680A834	CAPACITOR	1	
		C4809	F1G1A473A069	CAPACITOR	1	
		C4810	F1G1H680A834	CAPACITOR	1	
		C4816	F2G0J2200042	CAPACITOR	1	
		C4817	F2G0J2200042	CAPACITOR	1	
		C4818	F1G0J1050007	CAPACITOR	1	
		C4821	F1G0J1050007	CAPACITOR	1	
		C4822	F1G1H471A830	CAPACITOR	1	
		C4823	F1G1H471A830	CAPACITOR	1	
		C4824	F1G1H471A830	CAPACITOR	1	
		C4825	F1G1H471A830	CAPACITOR	1	
		C4851	F1G0J1050007	CAPACITOR	1	
		C4852	F1G0J1050007	CAPACITOR	1	
		C4853	F1G0J1050007	CAPACITOR	1	
		C4854	F1G0J1050007	CAPACITOR	1	
		C4855	F1G0J1050007	CAPACITOR	1	
		C4856	F1G0J1050007	CAPACITOR	1	
		C4857	F1G0J1050007	CAPACITOR	1	
		C4858	F1G0J1050007	CAPACITOR	1	
		C4901	F1G1H472B014	CAPACITOR	1	
		C4902	F1G1H472B014	CAPACITOR	1	
		C4903	F1G0J1050007	CAPACITOR	1	
		C4904	F1J0J2260004	CAPACITOR	1	
		C4905	F1J0J2260004	CAPACITOR	1	
		C4907	F1J0J2260004	CAPACITOR	1	
		C4908	F1G0J1050007	CAPACITOR	1	
		C4909	F1G0J1050007	CAPACITOR	1	
		C4913	F1H0J4750004	CAPACITOR	1	
		C4914	F1G1C104A146	CAPACITOR	1	
		C4915	F1G1C104A146	CAPACITOR	1	
		C4921	F1G1E103A144	CAPACITOR	1	
		C4922	F1G1E103A144	CAPACITOR	1	
		C6001	F1G1E1040001	CAPACITOR	1	
		C6002	F1G1C104A146	CAPACITOR	1	
		C6005	F1H1C105A167	CAPACITOR	1	
		C6018	F1G1C104A146	CAPACITOR	1	
		C6019	F1G1C104A146	CAPACITOR	1	
		C6023	F1G1C104A146	CAPACITOR	1	
		C6096	F1G1C104A146	CAPACITOR	1	
		C6098	F1G1C104A146	CAPACITOR	1	
		C6401	F1J1A106A043	CAPACITOR	1	
		C6403	F1G1C104A146	CAPACITOR	1	
		C6404	F1G1C104A146	CAPACITOR	1	
		C6405	F1G1C104A146	CAPACITOR	1	
		C6406	F1G0J1050007	CAPACITOR	1	
		C6407	F1G1C104A146	CAPACITOR	1	

		C6408	F1G1H472B014	CAPACITOR	1	
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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		C6410	F1G1H472B014	CAPACITOR	1	
		C6412	F1H1E105A116	CAPACITOR	1	
		C6413	F1H0J4750004	CAPACITOR	1	
		C6502	F1G1C104A146	CAPACITOR	1	
		C6521	F1G1C104A146	CAPACITOR	1	
		D901	DZ2J200M0L	DIODE	1	E.S.D.
		D902	B3AFB0000645	LED	1	E.S.D.
		D903	B3AFB0000645	LED	1	E.S.D.
		D904	B3AFB0000645	LED	1	E.S.D.
		D905	B3AFB0000645	LED	1	E.S.D.
		D906	B3AFB0000645	LED	1	E.S.D.
		D1271	B0ACRC000001	DIODE	1	E.S.D.
		D1471	DZ2J075M0L	DIODE	1	E.S.D.
		D1503	B0JCMC000019	DIODE	1	E.S.D.
		D1505	DB2S31100L	DIODE	1	E.S.D.
		D2301	DB2S31100L	DIODE	1	E.S.D.
		D6401	B3AAB0000343	LED	1	E.S.D.
		D7503	B3AZB0000112	LED	1	E.S.D.
		FL3401	F1H0J105A037	CAPACITOR	1	
		FL3402	F1H0J105A037	CAPACITOR	1	
		FL3901	J0HAYY000045	FILTER	1	
		FL3902	J0HAAC000057	FILTER	1	
		FL6001	EXC28CH900U	FILTER	1	
		FL6002	EXC28CH900U	FILTER	1	
		FL6004	F1H0J105A037	CAPACITOR	1	
		FL6005	EXC14CE900U	FILTER	1	
		FL6006	EXC14CE900U	FILTER	1	
		FL6007	EXC14CE900U	FILTER	1	
		FP301	K1MY51AA0199	CONNECTOR 51P	1	
		FP901	K1MY32BA0370	CONNECTOR 32P	1	
		FP904	K1MY51BA0575	CONNECTOR 51P	1	
		FP905	K1MY04BA0633	CONNECTOR 4P	1	
		FP4801	K1MY10BA0633	CONNECTOR 10P	1	
		FP4802	K1MY06BA0641	CONNECTOR 6P	1	
		FP4803	K1MY10BA0633	CONNECTOR 10P	1	
		FP6002	K1MY37BA0667	CONNECTOR 37P	1	
		FP6004	K1MY18BA0641	CONNECTOR 18P	1	
		FP6005	K1MY08BA0641	CONNECTOR 8P	1	
		FP6006	K1MY21BA0605	CONNECTOR 21P	1	
		FP6008	K1MY51AA0199	CONNECTOR 51P	1	
		FP6012	K1MY12BA0641	CONNECTOR 12P	1	
		FP6501	K1MY04BA0432	CONNECTOR 4P	1	
		FP6502	K1MN12A00075	CONNECTOR 12P	1	
		HS3931	K1NA09E00153	SD CARD SLOT	1	
		IC301	C0DBGFC00008	IC	1	E.S.D.
		IC302	C0JBAA000608	IC	1	E.S.D.
		IC701	C1AB00003719	IC	1	E.S.D.
		IC703	C0DBGYY00909	IC	1	E.S.D.
		IC704	C0DBGYY00936	IC	1	E.S.D.
		IC705	C1AB00003450	IC	1	E.S.D.
		IC706	C0GBC0000028	IC	1	E.S.D.
		IC751	EWTS9RCL1A	IC	1	E.S.D. [INBD]
		IC761	C0ABGA000035	IC	1	E.S.D.
		IC763	C1AB00003450	IC	1	E.S.D.
		IC901	C1CB00002847	IC	1	E.S.D.
		IC902	B4ZZ00000041	IC	1	E.S.D.
		IC1001	C1ZBZ0004885	IC	1	E.S.D.
		IC1221	C0DBZYY00724	IC	1	E.S.D.
		IC1222	C0EBY0002310	IC	1	E.S.D.
		IC1241	C0ZBZ0002264	IC	1	E.S.D.
		IC1261	C0DBGYY05584	IC	1	E.S.D.

		IC1262	COZBZ0002264	IC		1	E.S.D.
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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		IC1291	C0ZBZ0002264	IC	1	E.S.D.
		IC1341	C0DBGYY05590	IC	1	E.S.D.
		IC1381	C0DBGYY03698	IC	1	E.S.D.
		IC1392	C0DBGYY05582	IC	1	E.S.D.
		IC1421	C0DBGYY00936	IC	1	E.S.D.
		IC1471	C0DBZYY00793	IC	1	E.S.D.
		IC1503	C0DBDYY00054	IC	1	E.S.D.
		IC1551	VUEALLPT082	IC	1	E.S.D. [INBD]
		IC2301	C0EBY0002322	IC	1	E.S.D.
		IC3401	VSG1026	IC	1	E.S.D.
		IC3404	DV91000060A	IC	1	E.S.D.
		IC3406	C0EBY0002365	IC	1	E.S.D.
		IC3412	C0JBAF000805	IC	1	E.S.D.
		IC3413	C0JBAA000608	IC	1	E.S.D.
		IC3414	C0EBY0002355	IC	1	E.S.D.
		IC3701	C1AB00004179	IC	1	E.S.D.
		IC3702	C0ZBZ0001730	IC	1	E.S.D.
		IC3703	C1AB00004180	IC	1	E.S.D.
		IC4802	C0ABBB000369	IC	1	E.S.D.
		IC4803	C0ABBB000369	IC	1	E.S.D.
		IC6401	EWTS9PDL1A	IC	1	E.S.D. [INBD]
		IC6411	VUEALLPT053	IC	1	E.S.D. [INBD]
	⚠	IP6401	K5H402YA0080	IC PROTECTOR	1	
	⚠	IP6701	K5H402YA0080	IC PROTECTOR	1	
		JK4902	K2HC106E0009	JACK	1	
		JK6001	K2HC106E0009	JACK	1	
		JK6002	K2HZ105B0012	JACK	1	
		JK6003	K1FY119E0057	JACK	1	
		JK6401	K2EB2E000009	JACK	1	
		JK6402	K2HC106E0009	JACK	1	
		JK6701	K4ZZ04000056	JACK	1	
		L301	G1C100MA0072	INDUCTOR	1	
		L302	G1C100MA0072	INDUCTOR	1	
		L303	G1C100MA0072	INDUCTOR	1	
		L1211	G1C4R7ZA0390	INDUCTOR	1	
		L1221	G1C3R3MA0477	INDUCTOR	1	
		L1231	G1C3R3MA0477	INDUCTOR	1	
		L1241	G1C4R7MA0477	INDUCTOR	1	
		L1261	G1C4R7ZA0240	INDUCTOR	1	
		L1271	G1C6R8MA0478	INDUCTOR	1	
		L1281	G1C2R2MA0477	INDUCTOR	1	
		L1291	G1C1R0MA0535	INDUCTOR	1	
		L1501	G1C4R7ZA0240	INDUCTOR	1	
		L3406	G1C4R7MA0495	INDUCTOR	1	
		L3408	G1C4R7MA0408	INDUCTOR	1	
		L3409	G1C100MA0495	INDUCTOR	1	
		L3410	G1C100MA0495	INDUCTOR	1	
		L3411	G1C4R7MA0408	INDUCTOR	1	
		L3412	G1C4R7MA0495	INDUCTOR	1	
		L3415	G1C4R7MA0495	INDUCTOR	1	
		L3701	G1C4R7MA0408	INDUCTOR	1	
		LB301	J0JBC0000099	FILTER	1	
		LB901	J0JBC0000099	FILTER	1	
		LB902	J0JHC0000078	FILTER	1	
		LB3401	J0JBC0000099	FILTER	1	
		LB3404	J0JBC0000099	FILTER	1	
		LB4927	J0JCC0000276	FILTER	1	
		LB4928	J0JCC0000276	FILTER	1	
		LB4929	J0JCC0000276	FILTER	1	
		LB6001	J0JYC0000086	FILTER	1	
		LB6002	J0JYC0000086	FILTER	1	


		LB6003	JOJYC0000086	FILTER	1	
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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		LB6004	J0JYC0000086	FILTER	1	
		LB6020	J0JCC0000276	FILTER	1	
		LB6021	J0JCC0000276	FILTER	1	
		LB6022	J0JCC0000276	FILTER	1	
		LB6401	J0JJC0000015	FILTER	1	
		LB6402	J0JCC0000276	FILTER	1	
		LB6403	J0JCC0000276	FILTER	1	
		LB6404	J0JCC0000276	FILTER	1	
		LB6405	J0JCC0000276	FILTER	1	
		LB6406	J0JCC0000276	FILTER	1	
		LB6453	J0JCC0000276	FILTER	1	
		LB6701	J0JCC0000276	FILTER	1	
		LB6702	J0JCC0000276	FILTER	1	
		P6003	K1KY06BA0495	CONNECTOR 6P	1	
		P6401	K1KA02BA0014	CONNECTOR 2P	1	
		P6701	K1KY06BA0495	CONNECTOR 6P	1	
		PP6001	K1KA60B00061	CONNECTOR 60P	1	
		PS6401	K1KA60A00156	CONNECTOR 60P	1	
		Q773	B1ADGE000014	TRANSISTOR	1	E.S.D.
		Q774	B1ABCF000310	TRANSISTOR	1	E.S.D.
		Q1001	B1ABCF000316	TRANSISTOR	1	E.S.D.
		Q1471	MTM761230LBF	TRANSISTOR	1	E.S.D.
		Q1501	B1CHQD000012	TRANSISTOR	1	E.S.D.
		Q1502	MTM684110LBF	TRANSISTOR	1	E.S.D.
		Q1503	MTM761230LBF	TRANSISTOR	1	E.S.D.
		Q1504	B1CFJD000007	TRANSISTOR	1	E.S.D.
		Q3401	B1CFGD000003	TRANSISTOR	1	E.S.D.
		Q3402	B1CFJD000007	TRANSISTOR	1	E.S.D.
		Q3931	B1ADKB000015	TRANSISTOR	1	E.S.D.
		Q4801	DSC900100L	TRANSISTOR	1	E.S.D.
		Q4901	B1ABCF000316	TRANSISTOR	1	E.S.D.
		Q4902	DSA300100L	TRANSISTOR	1	E.S.D.
		Q4903	B1ABCF000316	TRANSISTOR	1	E.S.D.
		Q4904	DSA300100L	TRANSISTOR	1	E.S.D.
		Q4907	B1ABCF000316	TRANSISTOR	1	E.S.D.
		Q4908	B1ABCF000316	TRANSISTOR	1	E.S.D.
		QR751	B1GDCFYY0154	TRANSISTOR-RESISTOR	1	E.S.D.
		QR773	DRC3143Z0L	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1001	B1GDCFYY0152	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1002	B1GDCFYY0152	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1003	B1GBCFYY0284	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1101	B1GBCFYY0284	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1221	B1GDCFYY0152	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1222	B1GBCFYY0284	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1471	B1GBCFYY0284	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1501	B1GBCFYY0284	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1502	B1GDCFYY0207	TRANSISTOR-RESISTOR	1	E.S.D.
		QR1503	B1GDCFYY0207	TRANSISTOR-RESISTOR	1	E.S.D.
		QR2308	B1GDCFYY0207	TRANSISTOR-RESISTOR	1	E.S.D.
		QR2389	B1GBCFYY0284	TRANSISTOR-RESISTOR	1	E.S.D.
		QR3401	B1GBCFYY0224	TRANSISTOR-RESISTOR	1	E.S.D.
		QR3402	B1GDCFYY0207	TRANSISTOR-RESISTOR	1	E.S.D.
		QR3403	B1GBCFYY0284	TRANSISTOR-RESISTOR	1	E.S.D.
		QR3410	B1GBCFYY0234	TRANSISTOR-RESISTOR	1	E.S.D.
		QR3411	B1GDCFYY0189	TRANSISTOR-RESISTOR	1	E.S.D.
		QR3412	B1GBCFYY0234	TRANSISTOR-RESISTOR	1	E.S.D.
		QR3413	B1GDCFYY0189	TRANSISTOR-RESISTOR	1	E.S.D.
		QR3415	B1GDCFYY0151	TRANSISTOR-RESISTOR	1	E.S.D.
		QR3416	B1GDCFYY0151	TRANSISTOR-RESISTOR	1	E.S.D.
		QR4851	DRC9144E0L	TRANSISTOR-RESISTOR	1	E.S.D.
		QR4852	DRC9144E0L	TRANSISTOR-RESISTOR	1	E.S.D.



		QR4853	DRC9144E0L	TRANSISTOR-RESISTOR	1	E.S.D.
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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		QR4854	DRC9144E0L	TRANSISTOR-RESISTOR	1	E.S.D.
		QR6006	B1GDCFY0151	TRANSISTOR-RESISTOR	1	E.S.D.
		QR6007	B1GDCFY0152	TRANSISTOR-RESISTOR	1	E.S.D.
		QR6008	B1GBCFY0217	TRANSISTOR-RESISTOR	1	E.S.D.
		QR6402	B1GDCFY0180	TRANSISTOR-RESISTOR	1	E.S.D.
		QR6403	B1GDCFY0180	TRANSISTOR-RESISTOR	1	E.S.D.
		R304	DOGA103JA039	RESISTOR	1	
		R305	DOGA390JA023	RESISTOR	1	
		R505	DOGA222JA023	RESISTOR	1	
		R508	DOGA100JA023	RESISTOR	1	
		R509	DOGA100JA023	RESISTOR	1	
		R510	DOGA100JA023	RESISTOR	1	
		R511	DOGA100JA023	RESISTOR	1	
		R712	D1BA1002A022	RESISTOR	1	
		R713	D1BA1002A022	RESISTOR	1	
		R714	DOGA103JA039	RESISTOR	1	
		R715	DOGA103JA039	RESISTOR	1	
		R716	DOGA102JA039	RESISTOR	1	
		R717	DOGA682JA023	RESISTOR	1	
		R729	DOGA473JA039	RESISTOR	1	
		R731	DOGA101JA039	RESISTOR	1	
		R741	D1BA1002A022	RESISTOR	1	
		R742	D1BA1002A022	RESISTOR	1	
		R743	D1BA1003A022	RESISTOR	1	
		R744	D1BA1203A022	RESISTOR	1	
		R745	D1BA1002A022	RESISTOR	1	
		R746	D1BA1002A022	RESISTOR	1	
		R751	DOGA181JA023	RESISTOR	1	
		R753	DOGA102JA039	RESISTOR	1	
		R754	DOGA102JA039	RESISTOR	1	
		R761	DOGA223JA023	RESISTOR	1	
		R765	D1BA2702A022	RESISTOR	1	
		R766	D1BA1502A022	RESISTOR	1	
		R767	DOGA222JA023	RESISTOR	1	
		R768	D1BA3302A022	RESISTOR	1	
		R771	DOGA473JA039	RESISTOR	1	
		R772	DOGA821JA023	RESISTOR	1	
		R775	DOGA221JA023	RESISTOR	1	
		R776	DOGA473JA039	RESISTOR	1	
		R778	DOGA473JA039	RESISTOR	1	
		R779	DOGA221JA023	RESISTOR	1	
		R785	DOGA221JA023	RESISTOR	1	
		R786	DOGA332JA023	RESISTOR	1	
		R790	DOGA391JA023	RESISTOR	1	
		R792	DOGA391JA023	RESISTOR	1	
		R793	DOGA221JA023	RESISTOR	1	
		R795	DOGAR00J0005	RESISTOR	1	
		R913	DOGA151JA023	RESISTOR	1	
		R914	DOGA151JA023	RESISTOR	1	
		R915	DOGA101JA039	RESISTOR	1	
		R1001	D1JBR084A023	FUSING RESISTOR 0.084	1	
		R1003	DOGA103JA039	RESISTOR	1	
		R1004	DOGA473JA039	RESISTOR	1	
		R1005	DOGA154JA023	RESISTOR	1	
		R1006	DOGA104JA039	RESISTOR	1	
		R1101	DOGA120JA023	RESISTOR	1	
		R1103	DOGAR00J0005	RESISTOR	1	
		R1107	DOGA103JA039	RESISTOR	1	
		R1221	DOGA472JA023	RESISTOR	1	
		R1222	DOGA104JA039	RESISTOR	1	
		R1223	DOGA224JA023	RESISTOR	1	

	R1241	DOGA104JA039	RESISTOR	1	
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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R1262	D1BA1002A022	RESISTOR	1	
		R1263	D1BA1501A022	RESISTOR	1	
		R1264	D1BA2202A022	RESISTOR	1	
		R1271	D1JBR179A023	FUSING RESISTOR 0.179	1	
		R1282	D1BA1302A022	RESISTOR	1	
		R1292	D1BA5102A022	RESISTOR	1	
		R1293	D1BA6201A022	RESISTOR	1	
		R1294	D1BA2203A022	RESISTOR	1	
		R1296	D0GA473JA039	RESISTOR	1	
		R1297	D0GA473JA039	RESISTOR	1	
		R1382	D0GA222JA023	RESISTOR	1	
		R1426	D0GA103JA039	RESISTOR	1	
		R1471	D0GA163JA023	RESISTOR	1	
		R1472	D0GA102JA039	RESISTOR	1	
		R1473	D0GA473JA039	RESISTOR	1	
		R1474	D0GA104JA039	RESISTOR	1	
		R1501	D0GA105JA023	RESISTOR	1	
		R1513	D1BA1503A022	RESISTOR	1	
		R1515	D1BA1203A022	RESISTOR	1	
		R1516	D0GA102JA039	RESISTOR	1	
		R1522	D1BA1203A022	RESISTOR	1	
		R1523	D1BA1803A022	RESISTOR	1	
		R1525	D1BA2202A022	RESISTOR	1	
		R1526	D1BDR100A111	RESISTOR	1	
		R1529	D0GA101JA039	RESISTOR	1	
		R1531	D0GA100JA023	RESISTOR	1	
		R1535	D0GA472JA023	RESISTOR	1	
		R1551	D0GA331JA023	RESISTOR	1	
		R2301	D0GA473JA039	RESISTOR	1	
		R2304	D0GA102JA039	RESISTOR	1	
		R2312	D0GA472JA023	RESISTOR	1	
		R3400	D1BA1801A022	RESISTOR	1	
		R3401	D1BA1801A022	RESISTOR	1	
		R3402	D0GA681JA023	RESISTOR	1	
		R3406	D0GA121JA023	RESISTOR	1	
		R3409	D0GA560JA023	RESISTOR	1	
		R3410	D0GA152JA023	RESISTOR	1	
		R3411	D1BA3901A022	RESISTOR	1	
		R3413	D1BA1801A022	RESISTOR	1	
		R3414	D1BA1801A022	RESISTOR	1	
		R3417	D0GA122JA023	RESISTOR	1	
		R3418	D0GA122JA023	RESISTOR	1	
		R3419	D0GA681JA023	RESISTOR	1	
		R3423	D0GA103JA039	RESISTOR	1	
		R3427	D1BA2400A022	RESISTOR	1	
		R3428	D0GA102JA039	RESISTOR	1	
		R3429	D0GA273JA023	RESISTOR	1	
		R3430	D0GA102JA039	RESISTOR	1	
		R3431	D1BA2400A022	RESISTOR	1	
		R3432	D1BA4701A022	RESISTOR	1	
		R3433	D0GA472JA023	RESISTOR	1	
		R3436	D0GA472JA023	RESISTOR	1	
		R3437	D0GA182JA023	RESISTOR	1	
		R3438	D0GA182JA023	RESISTOR	1	
		R3439	D1BA2400A022	RESISTOR	1	
		R3440	D0GA473JA039	RESISTOR	1	
		R3441	D0GA473JA039	RESISTOR	1	
		R3442	D0GA330JA023	RESISTOR	1	
		R3443	D0GA220JA023	RESISTOR	1	
		R3444	D1BA2400A022	RESISTOR	1	
		R3448	D1BA6201A022	RESISTOR	1	

		R3450	D1BA1801A022	RESISTOR	1	
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Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R3451	D1BA1801A022	RESISTOR	1	
		R3453	D1BA1801A022	RESISTOR	1	
		R3454	D1BA1801A022	RESISTOR	1	
		R3457	DOGA152JA023	RESISTOR	1	
		R3458	DOGA102JA039	RESISTOR	1	
		R3461	DOGA104JA039	RESISTOR	1	
		R3462	DOGA102JA039	RESISTOR	1	
		R3463	DOGA104JA039	RESISTOR	1	
		R3466	DOGA473JA039	RESISTOR	1	
		R3467	D1BA1802A022	RESISTOR	1	
		R3468	D1BA1002A022	RESISTOR	1	
		R3470	D1BA2000A022	RESISTOR	1	
		R3472	D1BA6801A022	RESISTOR	1	
		R3476	D1BA2000A022	RESISTOR	1	
		R3477	D1BA5601A022	RESISTOR	1	
		R3486	DOGA270JA023	RESISTOR	1	
		R3487	DOGA270JA023	RESISTOR	1	
		R3499	DOGA470JA023	RESISTOR	1	
		R3506	DOGA102JA039	RESISTOR	1	
		R3507	DOGA102JA039	RESISTOR	1	
		R3508	DOGA102JA039	RESISTOR	1	
		R3530	DOGAR00J0005	RESISTOR	1	
		R3701	DOGA102JA039	RESISTOR	1	
		R3702	DOGA101JA039	RESISTOR	1	
		R3703	DOGA101JA039	RESISTOR	1	
		R3704	DOGA102JA039	RESISTOR	1	
		R3705	DOGA102JA039	RESISTOR	1	
		R3706	DOGA223JA023	RESISTOR	1	
		R3707	DOGA223JA023	RESISTOR	1	
		R3716	DOGA102JA039	RESISTOR	1	
		R3717	DOGA330JA023	RESISTOR	1	
		R3718	DOGA330JA023	RESISTOR	1	
		R3931	DOGA330JA023	RESISTOR	1	
		R3932	DOGA100JA023	RESISTOR	1	
		R3933	DOGA103JA039	RESISTOR	1	
		R3934	DOGA271JA023	RESISTOR	1	
		R3935	DOGA331JA023	RESISTOR	1	
		R3936	DOGA102JA039	RESISTOR	1	
		R3937	DOGA102JA039	RESISTOR	1	
		R3939	DOGA333JA023	RESISTOR	1	
		R3940	D1H81004A042	RESISTOR	1	
		R3953	DOGA103JA039	RESISTOR	1	
		R3980	DOGAR00J0005	RESISTOR	1	
		R3981	DOGAR00J0005	RESISTOR	1	
		R4801	DOGD392JA052	RESISTOR	1	
		R4802	DOGD392JA052	RESISTOR	1	
		R4803	DOGD392JA052	RESISTOR	1	
		R4804	DOGD392JA052	RESISTOR	1	
		R4808	DOGA183JA023	RESISTOR	1	
		R4809	DOGA473JA039	RESISTOR	1	
		R4810	DOGA183JA023	RESISTOR	1	
		R4811	DOGA473JA039	RESISTOR	1	
		R4812	DOGA183JA023	RESISTOR	1	
		R4813	DOGA473JA039	RESISTOR	1	
		R4814	DOGA183JA023	RESISTOR	1	
		R4815	DOGA473JA039	RESISTOR	1	
		R4816	DOGA472JA023	RESISTOR	1	
		R4817	DOGA223JA023	RESISTOR	1	
		R4818	DOGA333JA023	RESISTOR	1	
		R4851	DOGA184JA023	RESISTOR	1	
		R4852	DOGA183JA023	RESISTOR	1	

	R4853	DOGA184JA023	RESISTOR	1	
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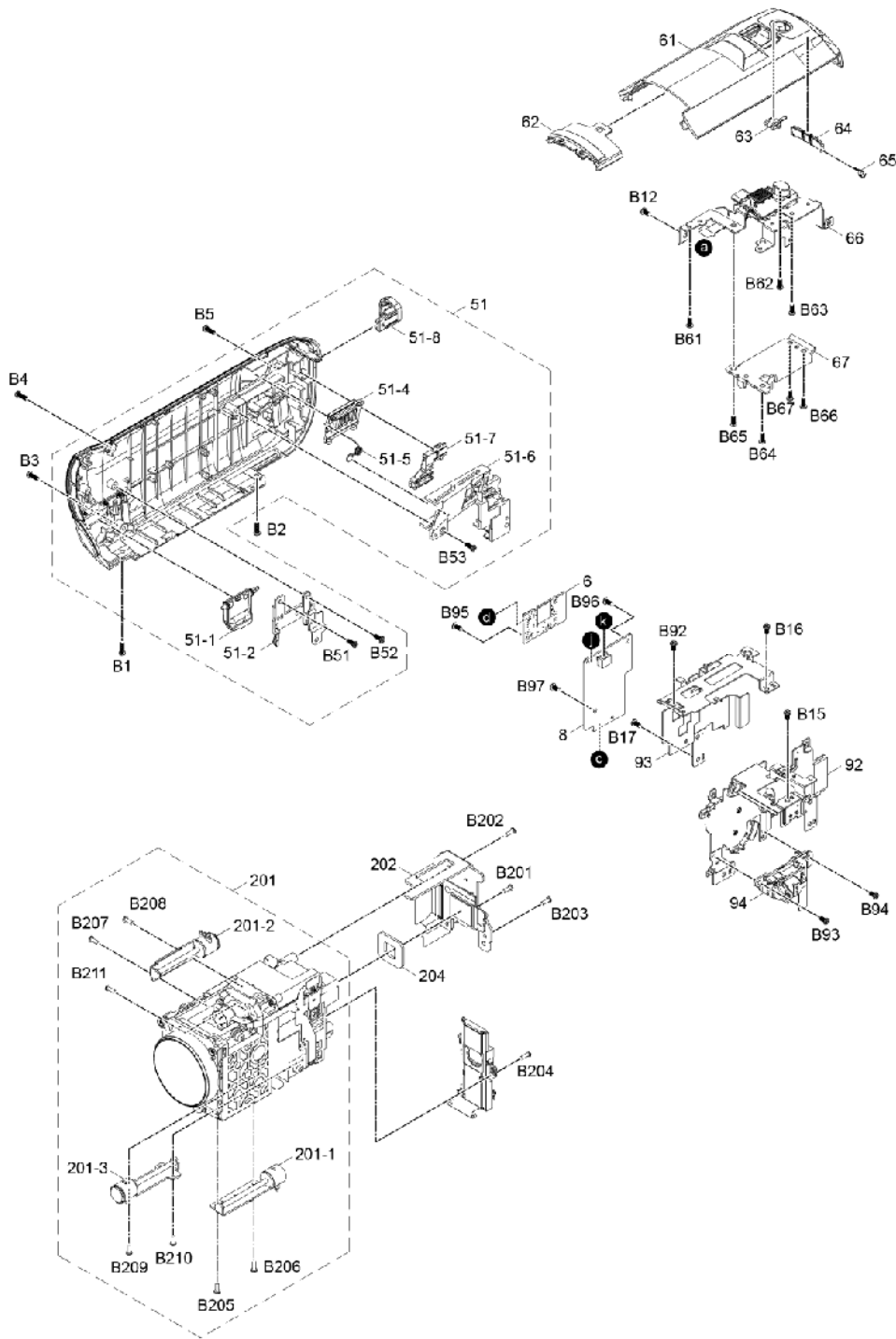
Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		R4854	DOGA183JA023	RESISTOR	1	
		R4855	DOGA183JA023	RESISTOR	1	
		R4856	DOGA184JA023	RESISTOR	1	
		R4857	DOGA184JA023	RESISTOR	1	
		R4858	DOGA183JA023	RESISTOR	1	
		R4901	D0HB331ZA002	RESISTOR	1	
		R4902	DOGA472JA023	RESISTOR	1	
		R4904	D0HB562ZA002	RESISTOR	1	
		R4905	DOGA471JA023	RESISTOR	1	
		R4906	D0HB103ZA002	RESISTOR	1	
		R4907	D0HB154ZA002	RESISTOR	1	
		R4908	D0HB563ZA002	RESISTOR	1	
		R4909	DOGA102JA039	RESISTOR	1	
		R4910	DOGA562JA023	RESISTOR	1	
		R4911	DOGA821JA023	RESISTOR	1	
		R4912	DOGA471JA023	RESISTOR	1	
		R4913	D0HB103ZA002	RESISTOR	1	
		R4914	D0HB154ZA002	RESISTOR	1	
		R4915	D0HB563ZA002	RESISTOR	1	
		R4916	DOGA102JA039	RESISTOR	1	
		R4917	DOGA562JA023	RESISTOR	1	
		R4918	DOGA821JA023	RESISTOR	1	
		R4920	D0HB562ZA002	RESISTOR	1	
		R4922	DOGA223JA023	RESISTOR	1	
		R4923	DOGA683JA023	RESISTOR	1	
		R4924	DOGA473JA039	RESISTOR	1	
		R6001	DOGA471JA023	RESISTOR	1	
		R6002	DOGA103JA039	RESISTOR	1	
	▲	R6003	D1JBR045A055	FUSING RESISTOR 0.045	1	
		R6402	DOGA103JA039	RESISTOR	1	
		R6403	DOGA102JA039	RESISTOR	1	
		R6404	DOGA470JA023	RESISTOR	1	
		R6405	DOGA102JA039	RESISTOR	1	
		R6406	D1BA1002A022	RESISTOR	1	
		R6414	D0GBR00JA004	RESISTOR	1	
		R6416	DOGA103JA039	RESISTOR	1	
		R6417	D1BA68R0A022	RESISTOR	1	
		R6418	DOGAR00J0005	RESISTOR	1	
		R6420	DOGA102JA039	RESISTOR	1	
		R6422	DOGA101JA039	RESISTOR	1	
		R6430	DOGA103JA039	RESISTOR	1	
		R6457	DOGA103JA039	RESISTOR	1	
		RX901	D1H88204A042	RESISTOR NETWORKS	1	
		RX902	D1H88204A042	RESISTOR NETWORKS	1	
		RX903	D1H88204A042	RESISTOR NETWORKS	1	
		RX904	D1H88204A042	RESISTOR NETWORKS	1	
		RX3401	D1H82204A042	RESISTOR NETWORKS	1	
		RX3404	D1H81034A042	RESISTOR NETWORKS	1	
		RX3405	D1H81034A042	RESISTOR NETWORKS	1	
		RX3407	D1H85604A042	RESISTOR NETWORKS	1	
		RX3408	D1H84734A042	RESISTOR NETWORKS	1	
		RX3409	D1H84734A042	RESISTOR NETWORKS	1	
		RX3414	D1H84734A042	RESISTOR NETWORKS	1	
		RX3415	D1H81034A042	RESISTOR NETWORKS	1	
		RX3417	D1H81034A042	RESISTOR NETWORKS	1	
		RX3418	D1H84724A042	RESISTOR NETWORKS	1	
		RX3419	D1H81034A042	RESISTOR NETWORKS	1	
		RX3420	D1H81034A042	RESISTOR NETWORKS	1	
		RX3421	D1H81034A042	RESISTOR NETWORKS	1	
		RX3931	D1H81004A042	RESISTOR NETWORKS	1	
		RX3932	EXB28V103JX	RESISTOR NETWORKS	1	

		RX3952	D1H81034A042	RESISTOR NETWORKS	1	
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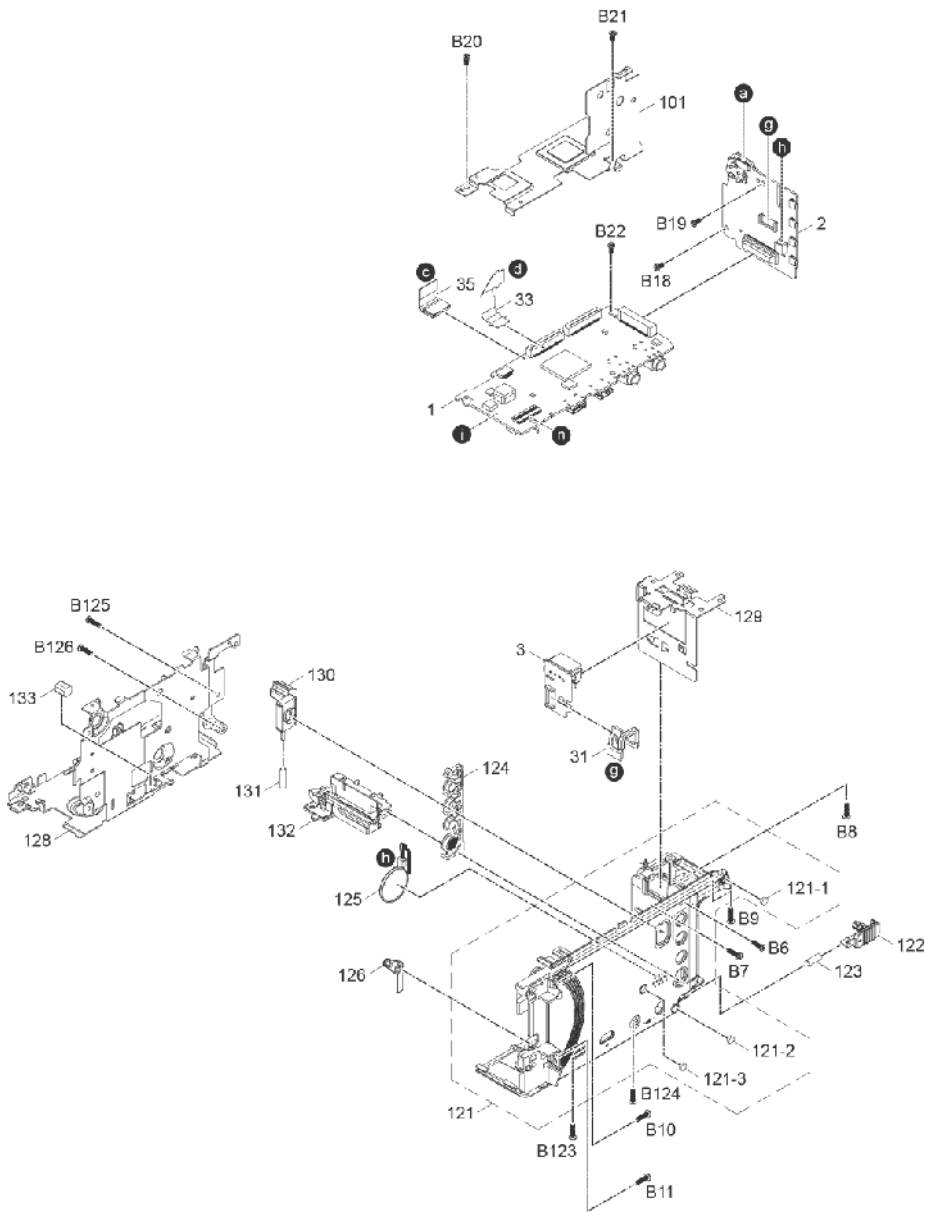
Model No. : HC-V785GC/GK/GN/GW Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		S6001	ESE18L12BXFD	SWITCH	1	
		S6401	K0H1BA000580	SWITCH	1	
		S6402	K0H1BA000580	SWITCH	1	
		S6403	K0H1BA000580	SWITCH	1	
		S6404	K0H1BA000580	SWITCH	1	
		S6405	K0F111A00475	SWITCH	1	
		TH3401	D4CC11030013	THERMISTORS	1	
		VA501	D4ED18R00008	VARISTOR	1	
		VA502	D4ED18R00008	VARISTOR	1	
		VA503	D4ED18R00008	VARISTOR	1	
		VA504	D4ED18R00008	VARISTOR	1	
		VA906	D4ED16R80001	VARISTOR	1	
		VA1502	D4ED1270A011	VARISTOR	1	
		VA6403	D4EDY1310001	VARISTOR	1	
		VA6405	D4EDY1310001	VARISTOR	1	
		VA6406	D4EDY1310001	VARISTOR	1	
		VA6407	D4EDY1310001	VARISTOR	1	
		VA6408	D4EDY1310001	VARISTOR	1	
		VA6456	D4EDY1310001	VARISTOR	1	
		VA6701	D4EDY1310001	VARISTOR	1	
		VA6702	D4EDY1310001	VARISTOR	1	
		X2303	H0J327200085	CRYSTAL OSCILLATOR	1	
		X3402	H1A7205B0007	CRYSTAL OSCILLATOR	1	
		ZJ7503	SEE0124	PHOTO LIGHT WIRE	1	

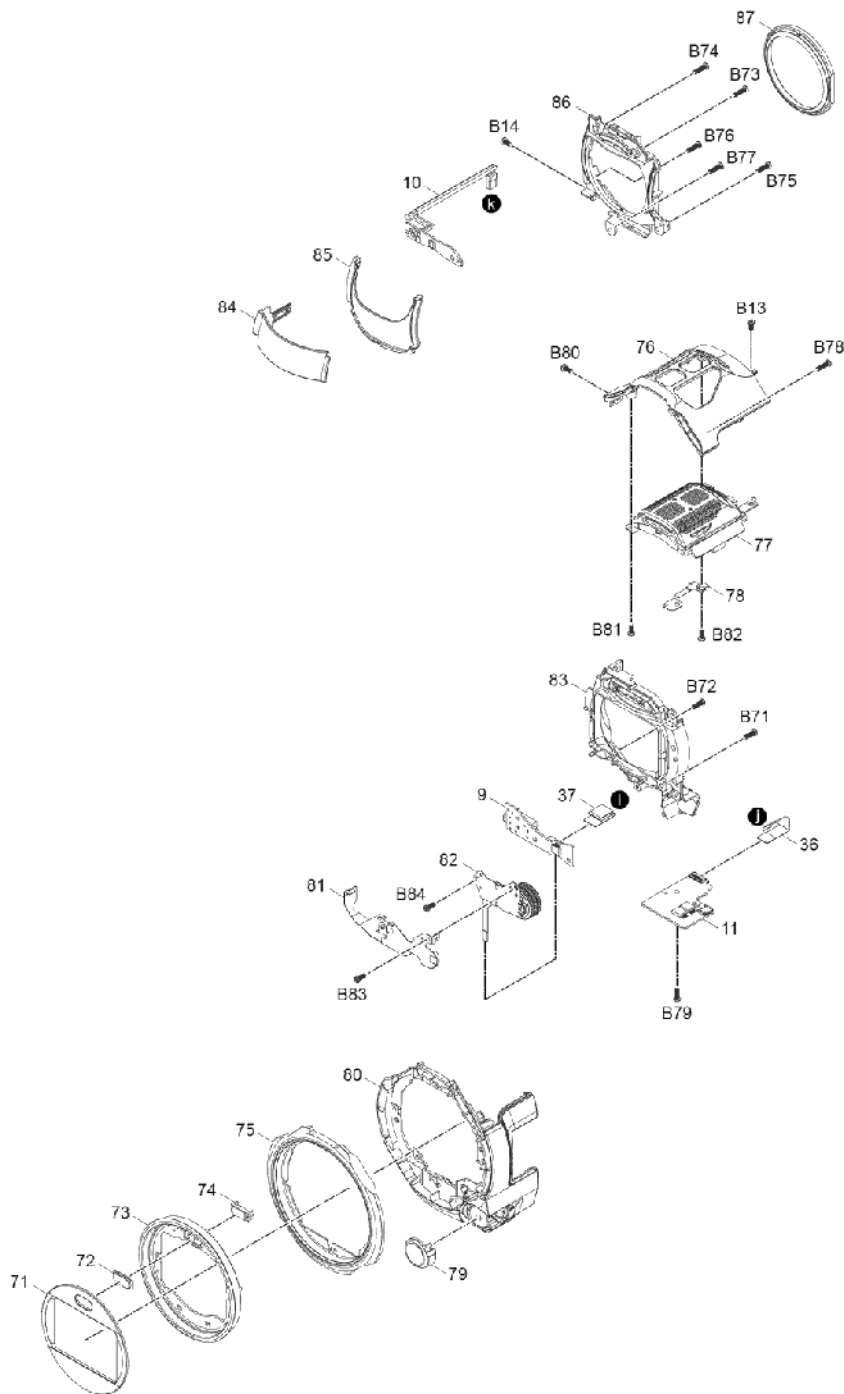
Model No. : HC-V785GC/GK/GN/GW Frame and Casing Section (1)



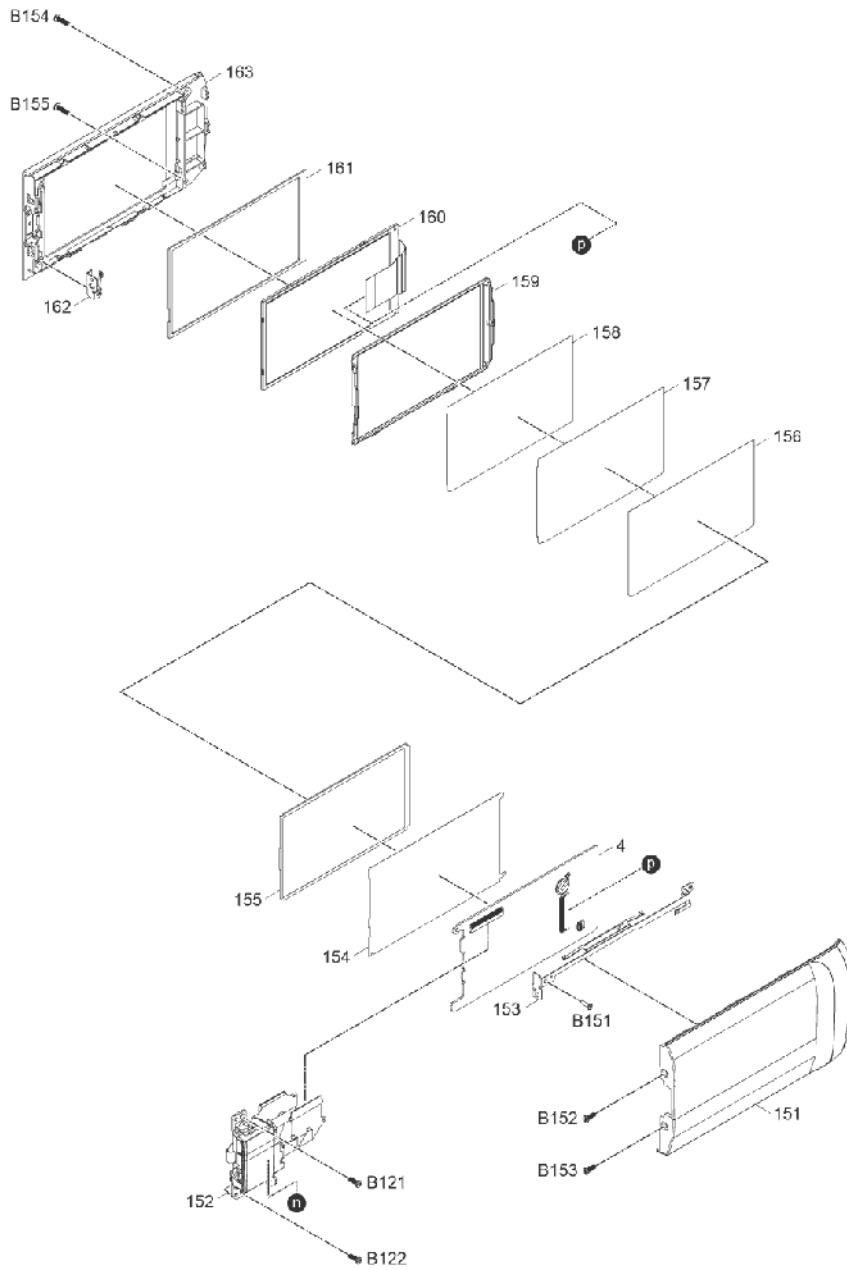
Model No. : HC-V785GC/GK/GN/GW Frame and Casing Section (2)



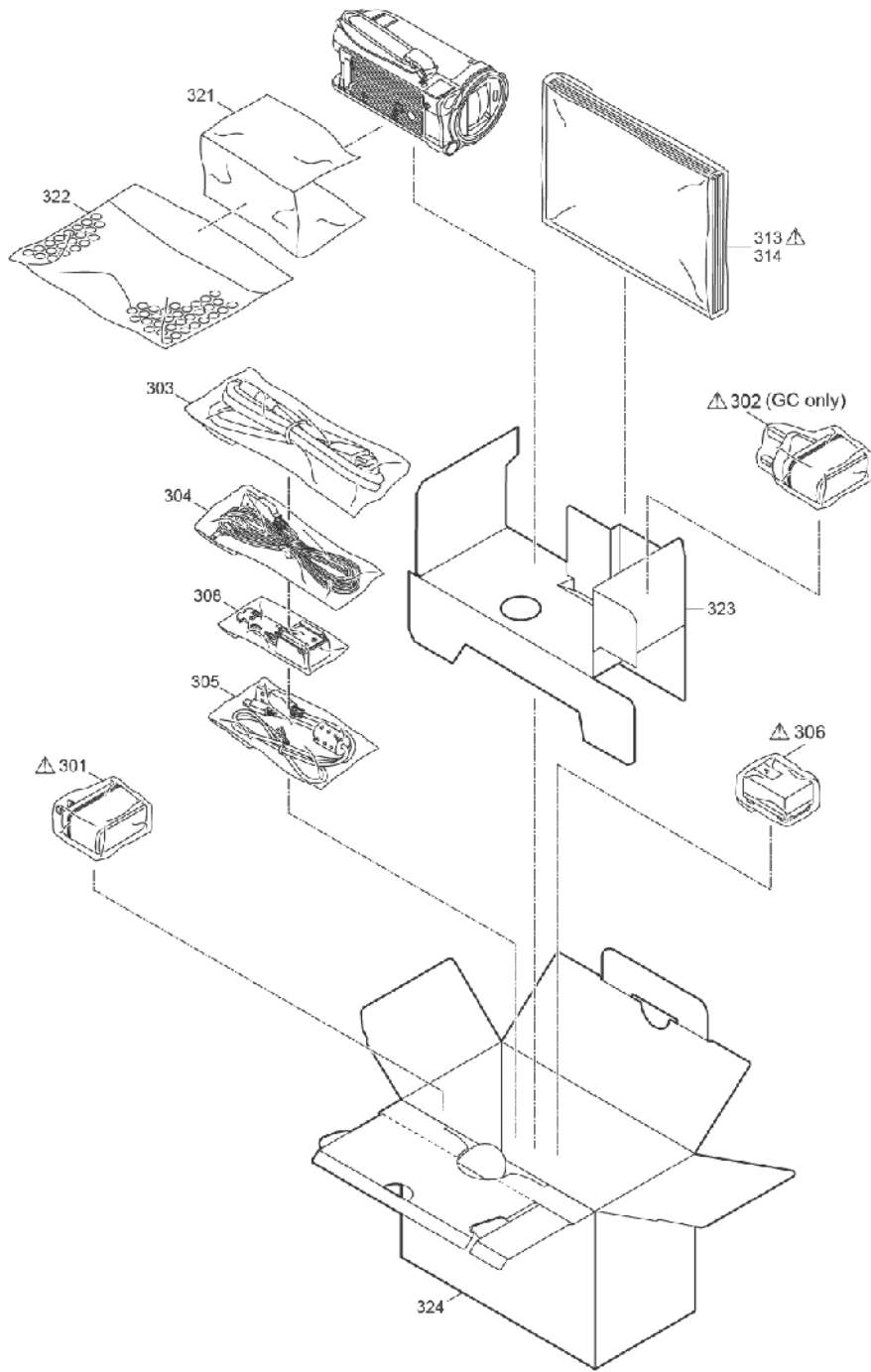
Model No. : HC-V785GC/GK/GN/GW Frame and Casing Section (3)



Model No. : HC-V785GC/GK/GN/GW LCD Section



Model No. : HC-V785GC/GK/GN/GW Packing Parts and Accessories Section



Model No. : HC-V785GC/GK/GN/GW Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		1	SEP0276AP	MAIN P.C.B.	1	(RTL) E.S.D.
		2	SEP0006AC	SD HOLDER P.C.B.	1	(RTL) E.S.D.
		3	SEP0033AB	BATT. CATCHER P.C.B.	1	(RTL)
		4	SEP0007AA	MONITOR P.C.B.	1	(RTL) E.S.D.
		6	VEP06G78G	Wi-Fi P.C.B.	1	E.S.D. (except GK)
		6	VEP06G78K	Wi-Fi P.C.B.	1	E.S.D. GK
		8	SEP0298AA	PHOTO LIGHT DRV P.C.B.	1	E.S.D.
		9	SEP0009AB	FRONT P.C.B.	1	(RTL) E.S.D.
		10	SEP0300AA	PHOTO LIGHT P.C.B.	1	(RTL) E.S.D.
		11	SEP0299AA	MIC P.C.B.	1	(RTL) E.S.D.
		31	SEE0210	BATT. CATCHER WIRE	1	
		33	VWJ2365	Wi-Fi FPC	1	
		35	STJ0014	PHOTO LIGHT FFC	1	
		36	STJ0008	MIC FFC	1	
		37	STJ0006	FRONT FFC	1	
		51	SYK0824	SIDE CASE-L UNIT	1	
		51-1	SKQ0003K-1	HP JACK COVER	1	
		51-2	SGQ0028	HP JACK COVER PIECE	1	
		51-4	SYK0150	DC JACK COVER UNIT	1	
		51-5	VMB4656-1	JACK DOOR SPRING	1	
		51-6	SGQ0026	JACK COVER PIECE	1	
		51-7	VGQ1J19	SS LEVER	1	
		51-8	SGU0011	SS BUTTON	1	
		61	SKK0235K	TOP CASE	1	
		62	SGK0019K	TOP ORNAMENT	1	
		63	VGL1447	POWER PANEL LIGHT	1	
		64	VKF4851	SHOE COVER	1	
		65	VMB4725	COVER OPEN SPRING	1	
		66	KORE00300027	TOP OPERATION	1	
		67	VMP9941-1	TOP SHOE ANGLE	1	
		71	SGQ0019	HOOD PIECE	1	
		72	VGL1381-1	LED LIGHT COVER	1	
		73	SGQ0020	HOOD MASK	1	
		74	VDL2652	LED LIGHT LENS	1	
		75	SGK0020T-J	FRONT RING	1	
		76	SKK0234K	MIC NET COVER	1	
		77	SYK0408	MIC CASE UNIT	1	
		78	SMA0030	MIC EARTH PLATE	1	
		79	SGK0017K	MF ORNAMENT	1	
		80	SYK0529	FRONT ORNAMENT UNIT	1	
		81	SMA0014	FR EARTH ANGLE	1	
		82	KORE00300040	KURUPON UNIT	1	
		83	SKK0072K	FRONT CASE	1	
		84	SGQ0023	BARRIER F	1	
		85	SGQ0024	BARRIER R	1	
		86	SGQ0025	FRONT BASE	1	
		87	SMG0003	LENS DAMPER RUBBER	1	
		92	SYK0409	LENS FRAME UNIT	1	
		93	SYK0410	Wi-Fi FRAME UNIT	1	
		94	N9ZZ00000450	BARRIER MOTOR UNIT	1	
		101	SYD0013	HEAT RADIATION PLATE UNIT	1	
		121	SYK0767	SIDE CASE R(1) UNIT	1	
		121-1	VMG1822-A	LCD CUSHION	1	
		121-2	VMG1822-A	LCD CUSHION	1	
		121-3	VMG1822-A	LCD CUSHION	1	
		122	SGU0009	BATT. LOCK BUTTON	1	
		123	VMB4482	BATT. LOCK SPRING	1	
		124	SGU0007	SR OP BUTTON	1	
		125	LOAA01A00162	SPEAKER	1	
		126	SGQ0014	LCD LEVER	1	
		128	SYQ0015-M	BR FRAME UNIT	1	

		129	SGF0009	BATT. FRAME	1	
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Model No. : HC-V785GC/GK/GN/GW Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		130	SGU0010-1	SHOE LOCK KNOB	1	
		131	VMB4728	SHOE LOCK SPRING	1	
		132	SYQ0032	SD DOOR UNIT	1	
		133	VGQ9672-1	GASKET	1	
		151	1YM1785GCKZA	LCD CASE (T) UNIT	1	*With a touch panel
		152	SYQ0225	LCD HINGE UNIT	1	
		153	SGF0011	LCD FRAME A	1	
		154	VGL1449	REFLECTION SHEET	1	
		155	VKW3518	LIGHT GUIDE PLATE	1	
		156	VGL1384	DIFFUSION SHEET	1	
		157	VGL1460	PRISM SHEET B	1	
		158	SGQ0313	PRISM SHEET A	1	
		159	SGQ0002	LGP HOLDER	1	
		160	L5BDDYY00073	LCD	1	
		161	SGQ0001	TP TAPE	1	
		162	SGF0002	LCD FRAME B	1	
		163	SYK0411	LCD CASE (B) UNIT	1	
		201	SXW0001	LENS UNIT	1	
		201-1	L6HAYYYB0011	2ND STEPPING MOTOR	1	
		201-2	L6HAYYYC0056	3RD STEPPING MOTOR	1	
		201-3	L6HAYYYB0012	4TH STEPPING MOTOR	1	
		202	SXQ0001	MOS UNIT	1	
		204	SMT0022	MOS CUSHION	1	
		B1	XQN16+B5FJK	SCREW	1	
		B2	XQN16+B5FJK	SCREW	1	
		B3	XQN16+B5FJK	SCREW	1	
		B4	XQN16+B5FJK	SCREW	1	
		B5	XQN16+B5FJK	SCREW	1	
		B6	XQN16+B5FJK	SCREW	1	
		B7	XQN16+BJ6FJK	SCREW	1	
		B8	XQN16+BJ6FJK	SCREW	1	
		B9	XQN16+BJ6FJK	SCREW	1	
		B10	XQN16+BJ6FJK	SCREW	1	
		B11	XQN16+BJ6FJK	SCREW	1	
		B12	XQN16+B3FN	SCREW	1	
		B13	XQN16+B3FN	SCREW	1	
		B14	XQN16+B3FN	SCREW	1	
		B15	XQN16+B3FN	SCREW	1	
		B16	XQN16+B3FN	SCREW	1	
		B17	XQN16+B3FN	SCREW	1	
		B18	VHD1919	SCREW	1	
		B19	VHD1919	SCREW	1	
		B20	VHD1919	SCREW	1	
		B21	VHD1919	SCREW	1	
		B22	VHD1919	SCREW	1	
		B51	XQN16+BJ4FN	SCREW	1	
		B52	XQN16+BJ4FN	SCREW	1	
		B53	XQN16+BJ4FN	SCREW	1	
		B61	XQN16+BJ4FN	SCREW	1	
		B62	XQN16+BJ4FN	SCREW	1	
		B63	XQN16+BJ4FN	SCREW	1	
		B64	XQS2+AJ5FN	SCREW	1	
		B65	XQS2+AJ5FN	SCREW	1	
		B66	XQS2+AJ5FN	SCREW	1	
		B67	XQS2+AJ5FN	SCREW	1	
		B71	XQN16+BJ5FJK	SCREW	1	
		B72	XQN16+BJ5FJK	SCREW	1	
		B73	XQN16+BJ6FN	SCREW	1	
		B74	XQN16+BJ6FN	SCREW	1	
		B75	XQN16+BJ6FN	SCREW	1	
		B76	XQN16+BJ6FN	SCREW	1	

		B77	XQN16+BJ6FN	SCREW	1	
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Model No. : HC-V785GC/GK/GN/GW Parts List

Change	Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
		B78	XQN16+BJ6FN	SCREW	1	
		B79	XQN16+BJ5FJK	SCREW	1	
		B80	XQN16+BJ4FN	SCREW	1	
		B81	XQN16+BJ4FN	SCREW	1	
		B82	XQN16+BJ4FN	SCREW	1	
		B83	XQN16+BJ4FN	SCREW	1	
		B84	XQN16+BJ4FN	SCREW	1	
		B92	XQN16+B3FN	SCREW	1	
		B93	VHD1919	SCREW	1	
		B94	VHD1919	SCREW	1	
		B95	XQN16+B3FN	SCREW	1	
		B96	XQN16+B3FN	SCREW	1	
		B97	XQN16+B3FN	SCREW	1	
		B121	VHD1411	SCREW	1	
		B122	VHD1411	SCREW	1	
		B123	XQN16+B3FJK	SCREW	1	
		B124	XQN16+B3FJK	SCREW	1	
		B125	XQN16+BJ4FN	SCREW	1	
		B126	XQN16+BJ4FN	SCREW	1	
		B151	XQN14+BJ4FN	SCREW	1	
		B152	VHD1688	SCREW	1	
		B153	VHD1688	SCREW	1	
		B154	XQN16+BJ6FJK	SCREW	1	
		B155	XQN16+BJ6FJK	SCREW	1	
		B201	VHD2072	SCREW	1	
		B202	VHD2072	SCREW	1	
		B203	VHD2072	SCREW	1	
		B204	VHD2072	SCREW	1	
		B205	VHD2072	SCREW	1	
		B206	VHD2072	SCREW	1	
		B207	VHD2072	SCREW	1	
		B208	VHD2072	SCREW	1	
		B209	VHD2072	SCREW	1	
		B210	VHD2072	SCREW	1	
		B211	VHD2072	SCREW	1	
	⚠	301	VSK0815H	AC ADAPTOR	1	GK
	⚠	301	VSK0815K	AC ADAPTOR	1	GC
	⚠	301	VSK0815MA	AC ADAPTOR	1	GN
	⚠	301	VSK0815QA	AC ADAPTOR	1	GW
	⚠	302	VSK0815N	AC ADAPTOR	1	GC
		303	K1HY19YY0038	MICRO HDMI CABLE	1	
		304	K2GHYY00002	DC CABLE	1	
		305	K2KYYY00236	USB CABLE	1	
	⚠	306	-----	BATTERY PACK	1	GC, GN, GW
	⚠	306	-----	BATTERY PACK	1	GK
		308	VYC1055-1A	SHOE ADPTOR	1	
	⚠	313	DVZX1127ZA	OPERATING INSTRUCTIONS (GC)	1	GC
	⚠	313	DVZX1128ZA	OPERATING INSTRUCTIONS (GW)	1	GW
	⚠	313	DVZX1129ZA	OPERATING INSTRUCTIONS (GK)	1	GK
	⚠	313	DVZX1131ZA	OPERATING INSTRUCTIONS (GN)	1	GN
		314	VPF1545	BAG, POLYETHYLENE	1	
		321	LSMF0623	SHEET	1	
		322	VPF1560	PROTECT BAG	1	
		323	VPN7770	PAD	1	
		324	DVPK1065ZA	PACKING CASE	1	GC, GW, GN
		324	1PK1V785GKK	PACKING CASE UNIT	1	GK