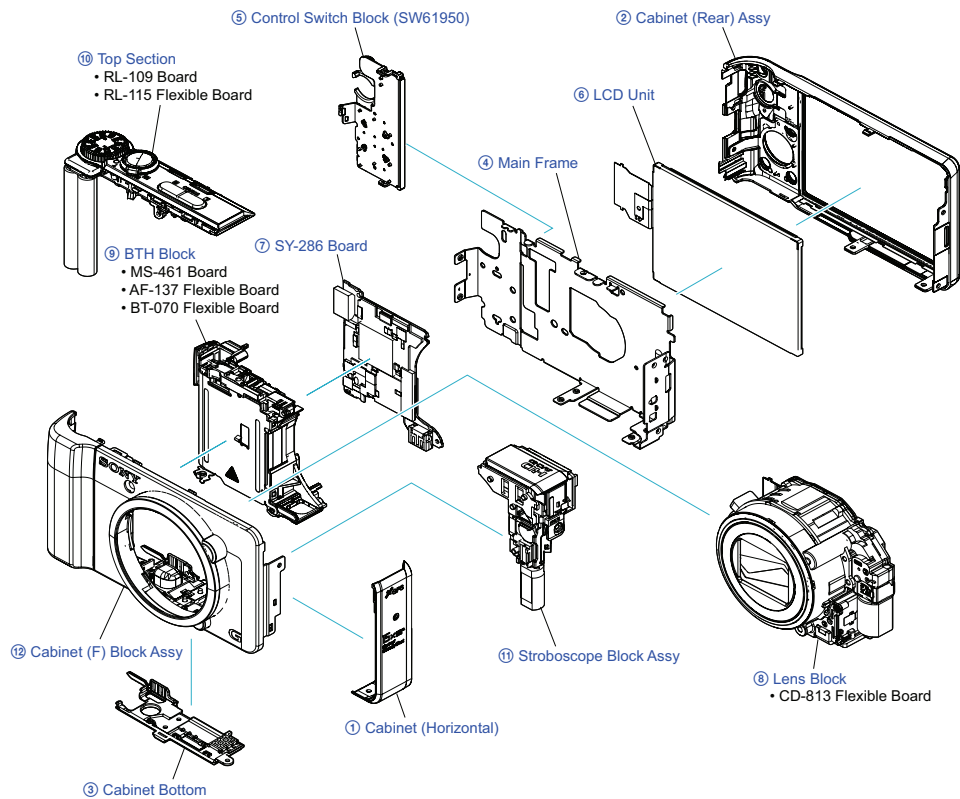


2. REPAIR PARTS LIST

IDENTIFYING PARTS

Follow the disassembly in the numerical order given.



(ENGLISH)

NOTE:

- XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- CAPACITORS:**
uF: μ F
- COILS**
uH: μ H
- RESISTORS**
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- SEMICONDUCTORS**
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., μ PC..., μ PC...,
uPD..., μ PD...

The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Color Indication of Appearance Parts
Example:
(SILVER) : Cabinet's Color
(Silver) : Parts Color

(JAPANESE)

【使用上の注意】

- ここに記載されている部品は、補修用部品であるため、回路図及びセットに付いている部品と異なる場合があります。
- XX, -Xは標準化部品のため、セットに付いている部品と異なる場合があります。
- *印の部品は常備在庫しておりません。
- コンデンサの単位でuFは μ Fを示します。
- 抵抗の単位 Ω は省略してあります。
金 被：金属被膜抵抗
サンキン：酸化金属被膜抵抗。
- インダクタの単位でuHは μ Hを示します。
- 半導体の名称でuA..., uPA..., uPB..., uPC..., uPD...等はそれぞれ μ A..., μ PA..., μ PB..., μ PC..., μ PD...を示します。

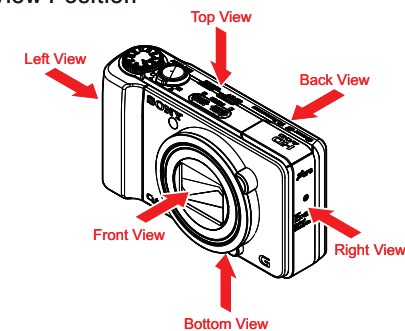
Δ 印の部品、または Δ 印付の点線で囲まれた部品は、安全性を維持するために、重要な部品です。
従って交換時は、必ず指定の部品を使用してください。

- 外装部品色表示
例：
(SILVER) : セットの色を表す。
(Silver) : 部品の色を表す。

• Abbreviation

- AUS : Australian model
- CH : Chinese model
- CND : Canadian model
- HK : Hong Kong model
- J : Japanese model
- JE : Tourist Model
- KR : Korea model

View Position



Link

DISCHARGING OF THE CHARGING CAPACITOR

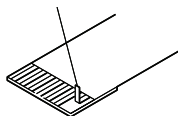
ACCESSORIES

ASSEMBLY

NOTE FOR REPAIR

- Make sure that the flat cable and flexible board are not cracked or bent at the terminal.
Do not insert the cable insufficiently nor crookedly.
- When remove a connector, don't pull at wire of connector. It is possible that a wire is snapped.
- When installing a connector, don't press down at wire of connector. It is possible that a wire is snapped.
- Do not apply excessive load to the gilded flexible board.

Cut and remove the part of gilt which comes off at the point.
(Be careful or some pieces of gilt may be left inside)

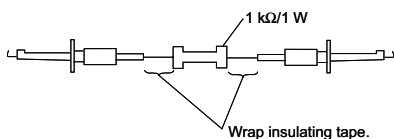


DISCHARGING OF THE CHARGING CAPACITOR (C901, C902)

The charging capacitor is charged up to the maximum 315 V potential.
There is a danger of electric shock by this high voltage when the capacitor is handled by hand. The electric shock is caused by the charged voltage which is kept without discharging when the main power of the unit is simply turned off. Therefore, the remaining voltage must be discharged as described below.

Preparing the Short Jig

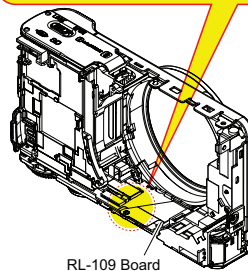
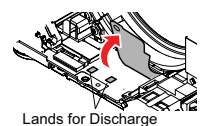
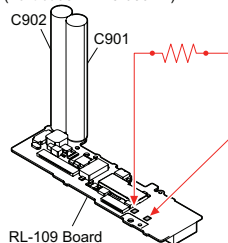
To preparing the short jig, a small clip is attached to each end of a resistor of 1 k Ω /1 W (1-215-869-11).
Wrap insulating tape fully around the leads of the resistor to prevent electrical shock.



Note: High-voltage cautions

Discharging the Capacitor
Short-circuit between two points with the short jig about 10 seconds.

R:1 k Ω /1 W
(Part code: 1-215-869-11)

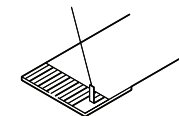


RL-109 Board

修理時の注意

- フラットケーブルおよびフレキシブル基板の端子面に欠け、折れ等がないことを確認する。
また、コネクタへの接続は、差し込み不足や斜め差しにならないように注意する。
- コネクタを取り外す時に、線材部(極細)を持って引っ張ると断線する恐れがありますので、絶対に線材部(極細)を持って引っ張らないでください。
- 線材部(極細)を押さえながらコネクタを差し込むと、線材部(極細)が断線する恐れがありますので、絶対に線材部(極細)には負担をかけないでください。
- 金メッキされているフレキシブル基板には、強い負担をかけないでください。

先端の剥がれたメッキ部はカットして除去してください。
(メッキ破片がコネクタ内に残っている場合もあるので注意してください)

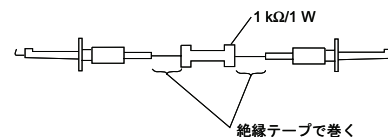


ストロボ用充電コンデンサ(C901、C902)の放電

ストロボ用充電コンデンサは最大315 Vの電圧で充電されています。
この高電圧で充電されたコンデンサに手を触れた場合、電気ショックを受けます。この高電圧には単にセットの電源を切っただけでは放電されず、残留しています。このため、下記の方法で残留電圧を放電してください。

ショート治具の準備

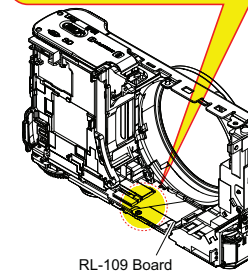
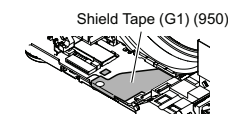
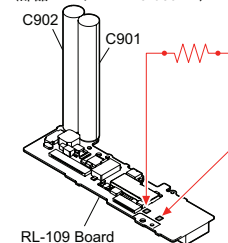
ショート治具は1k Ω /1W抵抗 (1-215-869-11)
小型のクリップを接続して作成します。
抵抗器は絶縁テープで完全に覆い電気ショックを受けないようにしてください。



Note: 高電圧の警告

コンデンサの放電
フラッシュユニットの電源コンデンサの端子間をショート治具で約10秒間接続する。

R:1 k Ω /1 W
(部品コード: 1-215-869-11)

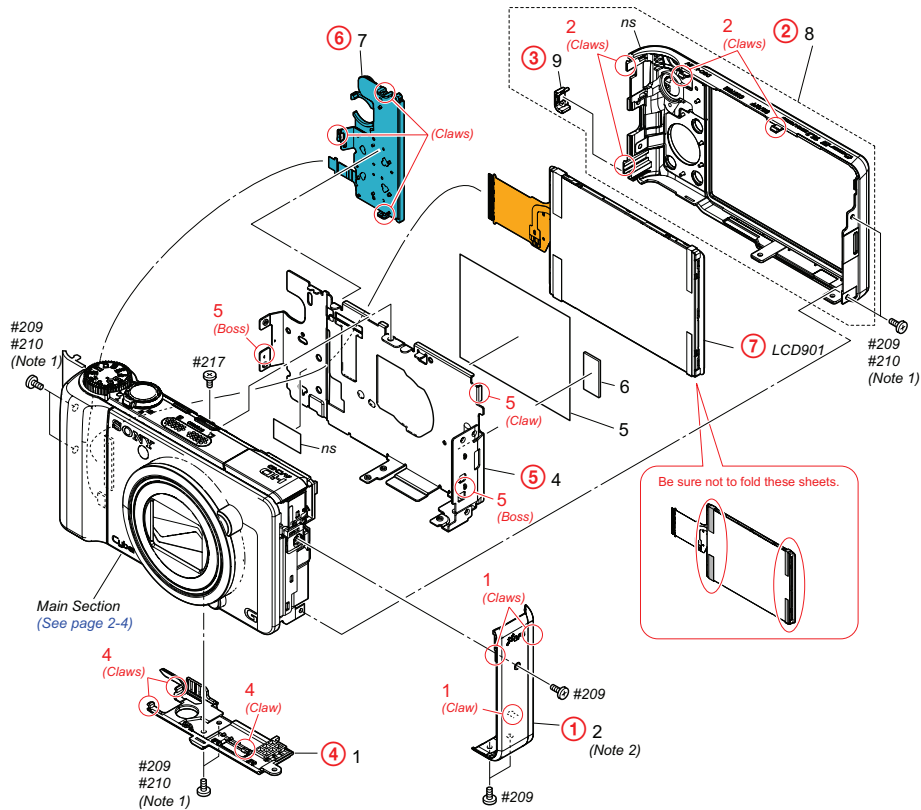


RL-109 Board

2-1. EXPLODED VIEWS

2-1-1. REAR SECTION

ns : not supplied



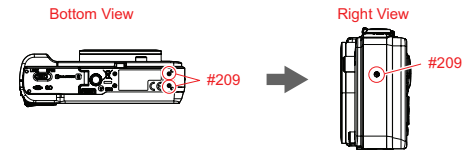
| Ref. No. | Part No. | Description |
|----------|--------------|---|
| 1 | 4-277-056-01 | BOTTOM (950), CABINET (BLACK) |
| 1 | 4-277-056-11 | BOTTOM (950), CABINET (GOLD) |
| 2 | 4-277-054-01 | CABINET (HORIZONTAL) (950) (HX9V) (Note 2) |
| 2 | 4-277-054-11 | CABINET (HORIZONTAL) (950) (HX9) (Note 2) |
| 4 | 4-277-050-01 | FRAME (950), MAIN |
| 5 | 4-277-067-01 | SHEET (LCD), RADIATION |
| 6 | 4-281-003-01 | CUSHION (LCD) (950) |
| 7 | 1-489-492-11 | SWITCH BLOCK, CONTROL (SW61950) |
| 8 | X-2581-007-1 | CABINET(REAR) ASSY(950)(BLACK) (HX9V (BLACK)) |
| 8 | X-2581-008-1 | CABINET(REAR) ASSY(950)(GOLD) (HX9V (GOLD)) |

| Ref. No. | Part No. | Description |
|----------|--------------|--|
| 8 | X-2581-009-1 | CABINET(REAR) ASSY(941)(BLACK) (HX9 (BLACK)) |
| 8 | X-2581-010-1 | CABINET(REAR) ASSY(941)(GOLD) (HX9 (GOLD)) |
| 9 | 4-277-045-01 | COVER (950), DC (BLACK) |
| 9 | 4-277-045-11 | COVER (950), DC (GOLD) |
| LCD901 | A-1830-850-A | LCD BLOCK ASSY (SERVICE) |
| #209 | 4-264-751-01 | SCREW (M1.4, NEW TRU-STAR, P2 (Note 1)) |
| #210 | 4-264-765-01 | SCREW (M1.4, NEW TRU-STAR, P2 (Note 1)) |
| #217 | 4-264-751-11 | SCREW (M1.4, NEW TRU-STAR, P2 |

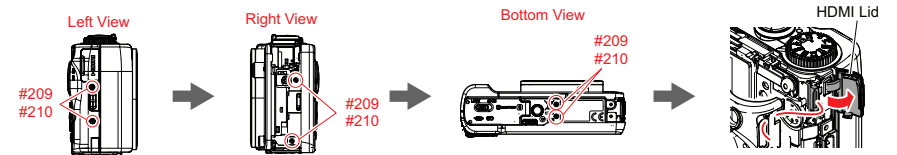
DISASSEMBLY

1. Remove to numerical order (① to ⑦) in the left figure.

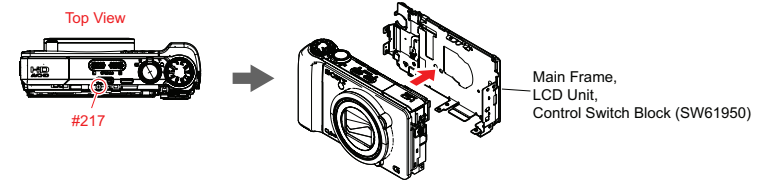
① #209 X 3



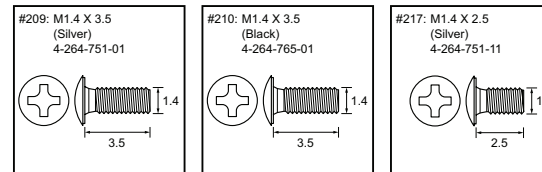
② #209 / #210 X 6 → Open HDMI Lid



⑤ #217 X 1 → Remove Main Frame and LCD Unit and Control Switch Block (SW61950)



Screw



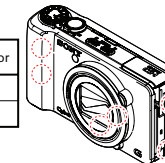
Note

Note 1:
THE COMBINATION OF CABINET'S COLOR AND SCREW

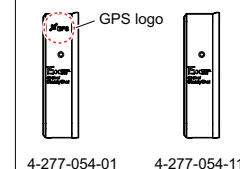
The screw pointed is different according to the cabinet's color. For the combination of cabinet's color and screw, please refer to Table 2-1.

Table 2-1

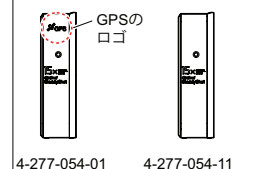
| Screw's Ref. No. (Parts Color.) | Cabinet's Color |
|---------------------------------|-----------------|
| #209 (Silver) | GOLD |
| #210 (Black) | BLACK |



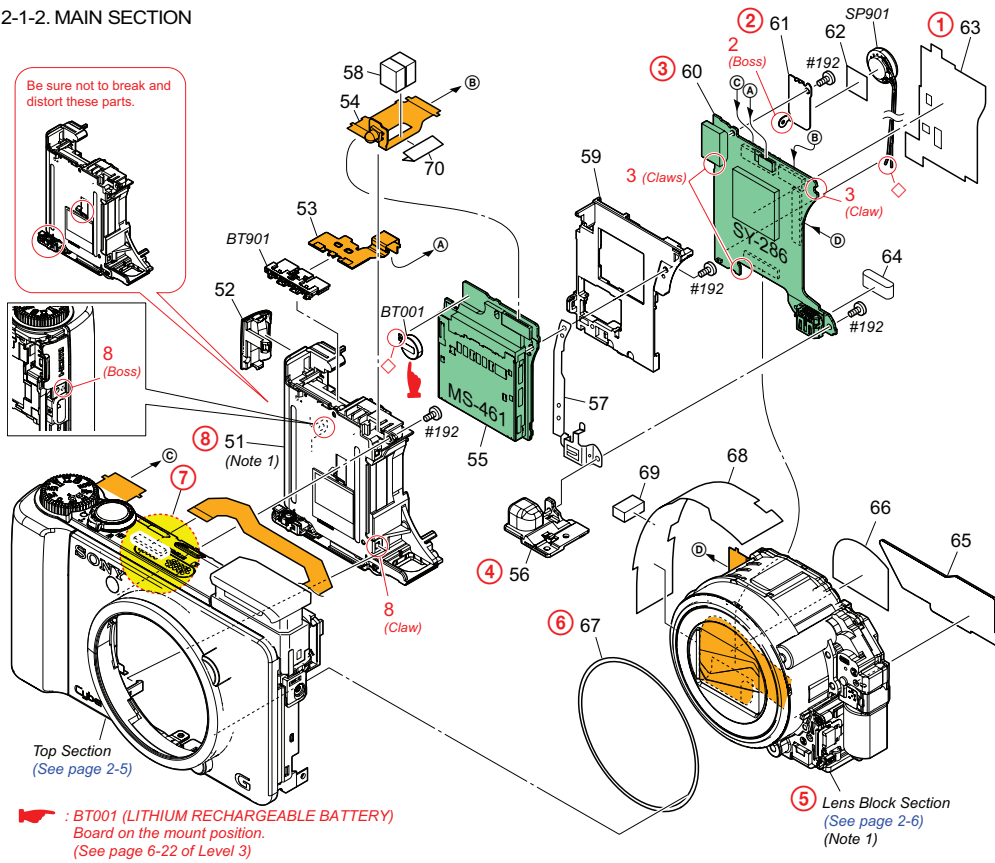
Note 2:
When replacing this part, be careful whether a LOGO is existed or not.



Note 2:
交換時にロゴの有無に注意してください。



2-1-2. MAIN SECTION



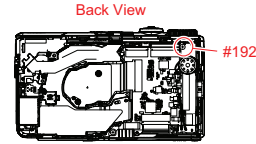
| Ref. No. | Part No. | Description |
|----------|--------------|---|
| 51 | X-2581-002-1 | BTH ASSY J (950) (BLACK) (HX9 (BLACK); CH/HX9V (BLACK); US, UK, J) (Note 1) |
| 51 | X-2581-003-1 | BTH ASSY (950) (BLACK) (HX9 (BLACK); JE/HX9V (BLACK); EXCEPT US, UK, J) (Note 1) |
| 51 | X-2581-004-1 | BTH ASSY J (950) (GOLD) (HX9 (GOLD); CH/HX9V (GOLD); US, J) (Note 1) |
| 51 | X-2581-005-1 | BTH ASSY (950) (GOLD) (HX9 (GOLD); JE/HX9V; EXCEPT US, J) (Note 1) |
| 52 | 4-277-058-01 | LID (950), HDMI (BLACK) |
| 52 | 4-277-058-11 | LID (950), HDMI (GOLD) |
| 53 | 1-883-056-11 | BT-070 FLEXIBLE BOARD |
| 54 | A-1818-411-A | AF-137 FLEXIBLE BOARD, COMPLETE |
| 55 | A-1818-410-A | MS-461 BOARD, COMPLETE |
| 56 | 4-277-049-01 | SCREW (950), TRIPOD |

| Ref. No. | Part No. | Description |
|----------|--------------|----------------------------------|
| * 57 | 4-277-047-01 | RETAINER (950), MULTI |
| 58 | 4-287-454-01 | CUSHION (AF) |
| * 59 | 4-277-048-01 | HOLDER (950), SY |
| 60 | A-1818-414-A | SY-286 BOARD, COMPLETE (SERVICE) |
| * 61 | 4-277-074-01 | PLATE (H) (950) |
| 62 | 4-277-060-01 | SHEET (SP) (950) |
| 63 | 4-267-389-01 | SHEET (SP FIXED) (950) |
| 64 | 4-281-763-01 | GASKET (G) (950) |
| 65 | 4-277-057-01 | CUSHION (LENS) (950) |
| 66 | 4-277-063-01 | SHEET (LENS FPC) (950) |
| 67 | 4-208-150-02 | SHIELD RING |
| 68 | 4-281-729-01 | TAPE (GL) (950), SHIELD |
| 69 | 4-281-763-01 | GASKET (G) (950) |
| 70 | 4-287-197-01 | TAPE (AF), SHIELD |
| △ BT001 | 1-756-813-11 | LITHIUM RECHARGEABLE BATTERY |
| △ BT901 | 1-780-764-11 | TERMINAL BOARD, BATTERY |
| SP901 | 1-858-343-31 | LOUDSPEAKER (1.0CM) |
| #192 | 4-188-736-01 | SCREW (TP1.4), P2 |

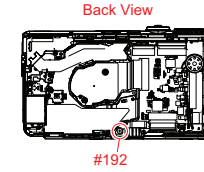
DISASSEMBLY

1. Remove to numerical order (① to ⑧) in the left figure.
2. The meaning of the sign in left figure is as follows. Be careful when it removes.
◇: Solder

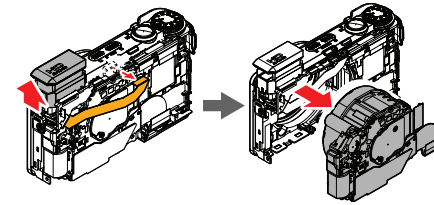
② #192 X 1



③ #192 X 1



⑤

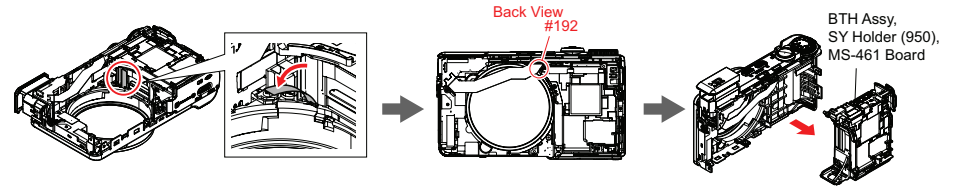


⑦

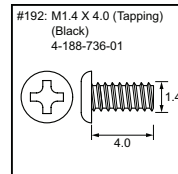
DISCHARGING OF THE CHARGING CAPACITOR

ストロボ用充電コンデンサの放電

⑧ Peel off Shield Tape (G2)(950) → #192 X 1

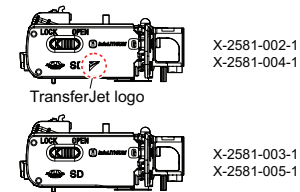


Screw

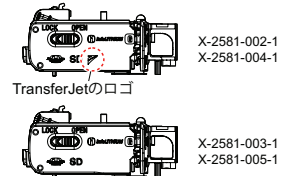


Note

Note 1: When replacing this part, be careful whether a LOGO is existed or not.



Note 1: 交換時にロゴの有無に注意してください。



CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type. Dispose of used batteries according to the instructions.

注意

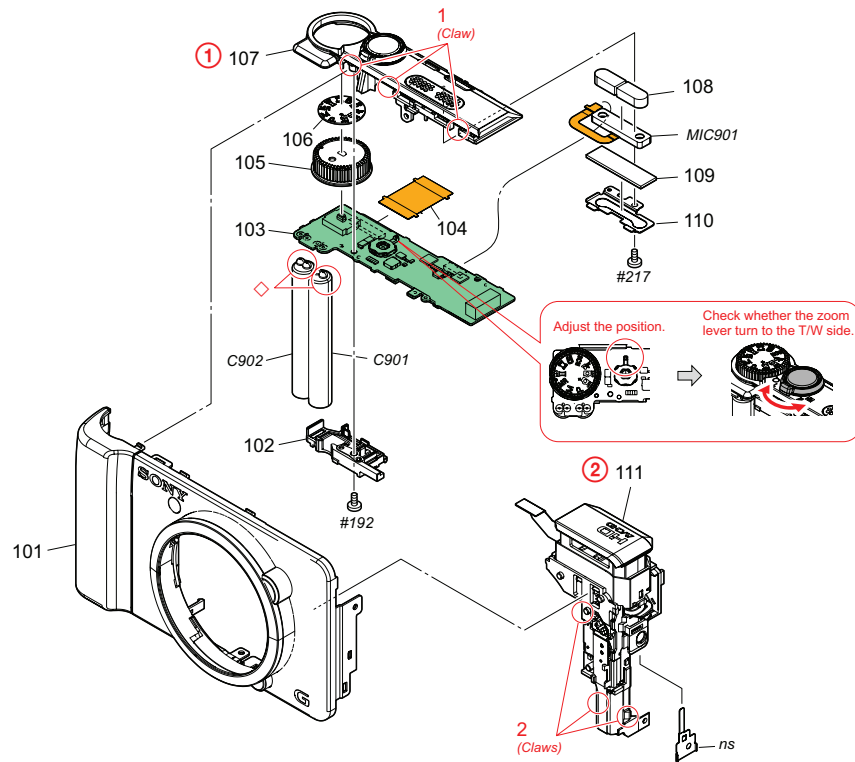
電池の交換は、正しく行わないと破裂する恐れがあります。電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。使用済み電池は、取扱指示に従って処分してください。

Note 2: Refer to Page 2-6 of "Note 1: PRECAUTIONS WHEN HOLDING THE LENS BLOCK".

Note 2: 2-6ページの "Note 1: PRECAUTIONS WHEN HOLDING THE LENS BLOCK" を参照してください。

2-1-3. TOP SECTION

ns : not supplied



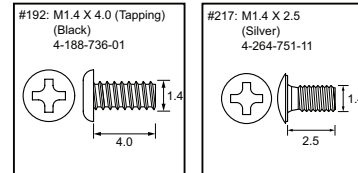
| Ref. No. | Part No. | Description |
|----------|--------------|---|
| 101 | A-1818-555-A | CABINET (F) BLOCK ASSY, (950 B) (BLACK) |
| 101 | A-1818-556-A | CABINET (F) BLOCK ASSY, (950 G) (GOLD) |
| * 102 | 4-277-065-01 | RETAINER (950), RL |
| 103 | A-1818-408-A | RL-109 BOARD, COMPLETE (HX9V) |
| 103 | A-1818-409-A | RL-109 BOARD, COMPLETE (HX9) |
| 104 | 1-884-119-11 | RL-115 FLEXIBLE BOARD |
| 105 | 4-277-052-01 | KNOB (950), MODE |
| 106 | 4-277-053-01 | PLATE (950), MODE |
| 107 | X-2581-006-1 | CABINET (UPPER) ASSY (950) |
| 108 | 4-277-061-01 | CUSHION (MIC UPPER) (950) |

| Ref. No. | Part No. | Description |
|----------|--------------|--------------------------------|
| 109 | 4-277-062-01 | CUSHION (MIC LOWER) (950) |
| 110 | 4-277-059-01 | PLATE (MIC) (950) |
| △ 111 | A-1817-110-A | STROBOSCOPE BLOCK ASSY (950) |
| △ C901 | 1-116-838-11 | CAP, ALUMINIUM ELECT 42uF 315V |
| △ C902 | 1-116-838-11 | CAP, ALUMINIUM ELECT 42uF 315V |
| MIC901 | 1-542-862-41 | MICROPHONE UNIT |
| #192 | 4-188-736-01 | SCREW (TP1.4), P2 |
| #217 | 4-264-751-11 | SCREW (M1.4), NEW TRU-STAR, P2 |

DISASSEMBLY

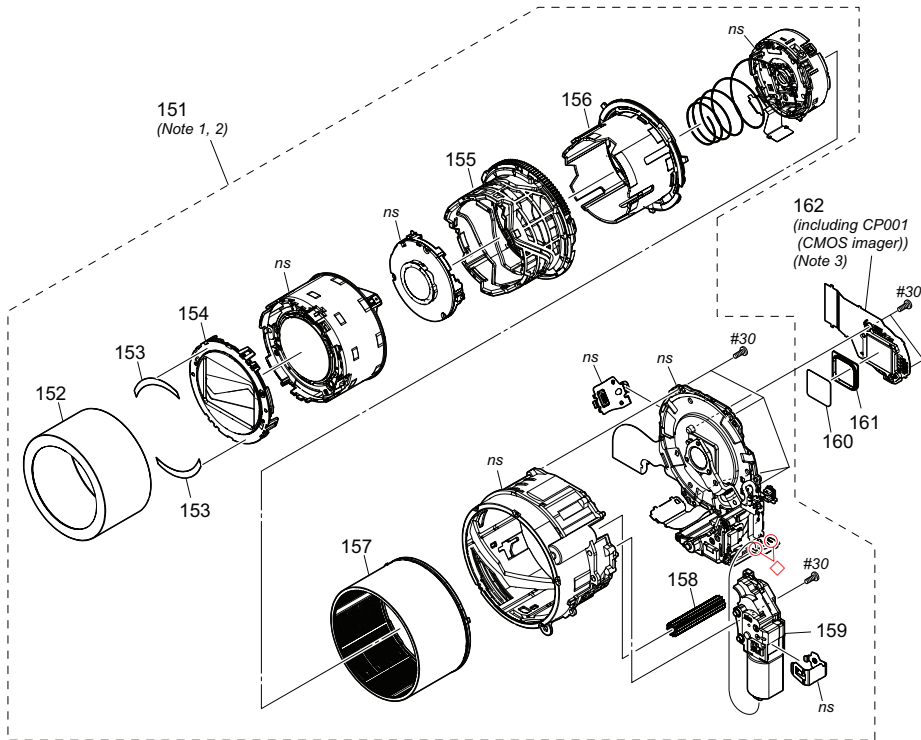
1. Remove to numerical order (① to ②) in the left figure.
2. The meaning of the sign in left figure is as follows. Be careful when it removes.
◇: Solder

Screw



2-1-4. LENS BLOCK SECTION

ns : not supplied



| Ref. No. | Part No. | Description |
|----------|--------------|------------------------------------|
| 151 | 8-848-878-01 | DEVICE, LENS LSV-1470A (Note 1, 2) |
| 152 | 4-208-138-01 | RING (A), ORNAMENTAL |
| 153 | 4-208-132-01 | TAPE, BARRIER |
| 154 | A-1802-316-A | BARRIER ASSY |
| 155 | A-1802-357-A | CAM TUBE LUBRICATED ASSY |
| 156 | A-1802-356-A | LINEAR GUIDE TUBE B LUBRICATED |
| 157 | A-1802-354-A | LINEAR GUIDE TUBE A ASSY |
| 158 | A-1802-347-A | NARUTO GEAR LUBRICATED ASSY |
| 159 | A-1802-348-A | GEAR CASE ASSY |
| 160 | 1-856-183-31 | FILTER BLOCK, OPTICAL |

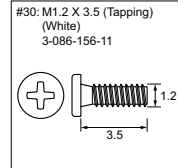
| Ref. No. | Part No. | Description |
|----------|--------------|--|
| 161 | 4-209-570-01 | SEAL RUBBER (1470) |
| 162 | A-1818-412-A | CD-813 BOARD, COMPLETE (including CP001 (CMOS imager))(Note 3) |

#30 3-086-156-11 SCREW B1.2

DISASSEMBLY

- The meaning of the sign in left figure is as follows. Be careful when it removes.
◇-X: Solder

Screw



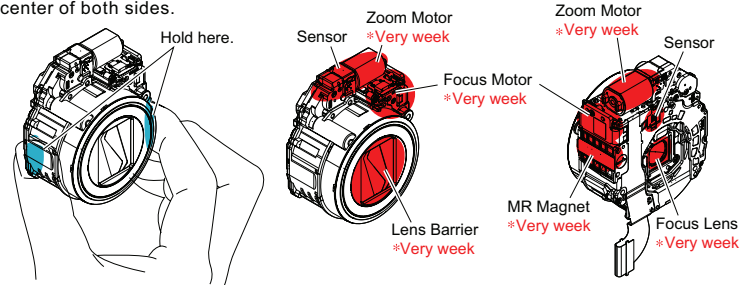
Note

Note 1:

PRECAUTIONS WHEN HOLDING THE LENS BLOCK

Hold the Lens Block at the center of both sides.

Do not hold the following part.



Note 2: Refer to the following each item when you exchange parts of Lens Block.

- 1-8. ORNAMENTAL RING A OR BARRIER ASSY REPLACING METHOD (page 1-7)
- 1-9. CAM TUBE LUBRICATED ASSY REPLACING (page 1-8)
- 1-10. FINAL INSPECTION (page 1-13)

Note 2: レンズブロックの各部品を交換する際は、下記の各項目を参照してください。

- 1-8. ORNAMENTAL RING A OR BARRIER ASSY REPLACING METHOD (page 1-7)
- 1-9. CAM TUBE LUBRICATED ASSY REPLACING (page 1-8)
- 1-10. FINAL INSPECTION (page 1-13)

Note 3: Be sure to read "Precautions for Replacement of Imager" on page 6-1 of Level 3 when changing the imager.

Note 3: イメージャの交換時はLevel3の6-1ページ、「イメージャ交換時の注意」を必ずお読みください。

Checking supplied accessories.

Note : This item is supplied with the unit as an accessory, but is not prepared as a service part.



AC Adaptor
(AC-UB10/UB10B)
▲ 1-489-282-11 (J)
▲ 1-489-282-21 (US, CND)
▲ 1-489-282-31 (CH)
(EXCEPT US, CND, CH, J)



Rechargeable battery pack (NP-BG1)
(Note)



Conversion (2P) Adaptor
▲ 1-569-008-12 (E: NTSC)



Conversion (2P) Adaptor
▲ 1-569-007-12 (JE)



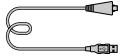
Power cord (mains lead)
(EXCEPT US, CND, CH, J)
▲ 1-837-421-11 (UK, E (Saudi), HK)
▲ 1-837-422-11 (JE)
▲ 1-837-424-11 (TW)
▲ 1-837-427-11 (AEP, E (EXCEPT Saudi))
▲ 1-837-428-11 (KR)
▲ 1-837-429-11 (AUS)



Instruction Manual
• (Only for destination Japanese model)
日本語・英語・韓国語・中国語のみ部品供給可能です。
4-275-582-01 (JAPANESE)
4-275-582-11 (SIMPLIFIED CHINESE)
4-275-583-11 (ENGLISH)
* 4-275-583-21 (ENGLISH, SPANISH)
* 4-275-583-31 (ENGLISH, FRENCH)
* 4-275-583-41 (ENGLISH, RUSSIAN, UKRAINIAN)
* 4-275-583-51 (ENGLISH, FRENCH, ITALIAN, SPANISH, PORTUGUESE, GERMAN, DUTCH, TURKISH, GREEK, POLISH, CZECH, HUNGARIAN, SLOVAK, SWEDISH, FINNISH, NORWEGIAN, DANISH, CROATIAN, ROMANIAN)
* 4-275-583-61 (ENGLISH, SIMPLIFIED CHINESE, TRADITIONAL CHINESE, MALAY, INDONESIAN, THAI, ARABIC, PERSIAN)
* 4-275-583-71 (ENGLISH, SPANISH, PORTUGUESE)
* 4-275-583-91 (ENGLISH, SPANISH, PORTUGUESE, TRADITIONAL CHINESE, SIMPLIFIED CHINESE, KOREAN)
* 4-275-584-11 (ENGLISH, SIMPLIFIED CHINESE, TRADITIONAL CHINESE)
4-275-584-21 (KOREAN)
* 4-275-584-31 (ENGLISH, TRADITIONAL CHINESE)
* 4-275-584-41 (ENGLISH, ARABIC, PERSIAN)



Wrist strap
2-050-981-01 (Gray) (GOLD)
2-050-981-11 (Black) (BLACK)



Multi-use terminal USB cable
1-838-826-11



Cyber-shot User Guide (HTML)

About Cyber-shot User Guide (HTML)
• The CD-ROM supplied contains all of language version.
• The printed matter is not supplied.
• The following lists part numbers of languages.
• This CD-ROM is provided in HTML.
Therefore, it is suitable for browsing on the PC, but is not suitable for printing.



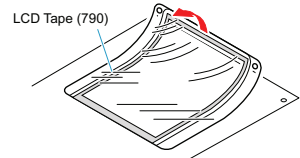
CD-ROM
(Cyber-shot application software /
"Cyber-shot User Guide")
4-281-983-01

- | | |
|--------------------------------------|---------------------------------------|
| * 4-272-454-01 (JAPANESE) | * 4-272-455-71 (HUNGARIAN) |
| * 4-272-454-11 (ENGLISH) | * 4-272-455-81 (SLOVAK) |
| * 4-272-454-21 (FRENCH) | * 4-272-455-91 (SWEDISH) |
| * 4-272-454-31 (ITALIAN) | * 4-272-456-11 (FINNISH) |
| * 4-272-454-41 (SPANISH) | * 4-272-456-21 (NORWEGIAN) |
| * 4-272-454-51 (PORTUGUESE) | * 4-272-456-31 (DANISH) |
| * 4-272-454-61 (GERMAN) | * 4-272-456-41 (THAI) |
| * 4-272-454-71 (DUTCH) | * 4-272-456-51 (MALAY) |
| * 4-272-454-81 (TRADITIONAL CHINESE) | * 4-272-456-61 (TURKISH) |
| * 4-272-454-91 (SIMPLIFIED CHINESE) | * 4-272-456-71 (GREEK) |
| * 4-272-455-11 (RUSSIAN) | * 4-272-456-81 (UKRAINIAN) |
| * 4-272-455-21 (ARABIC) | * 4-272-456-91 (CROATIAN) |
| * 4-272-455-31 (PERSIAN) | * 4-272-457-11 (ROMANIAN) |
| * 4-272-455-41 (KOREAN) | * 4-272-457-21 (INDONESIAN) |
| * 4-272-455-51 (POLISH) | * 4-272-457-31 (BRAZILIAN PORTUGUESE) |
| * 4-272-455-61 (CZECH) | |

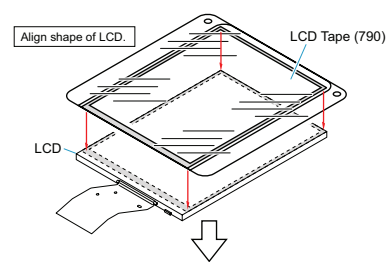
3. ASSEMBLY

Assembly-1: Attaching Method of LCD and LCD Window (790).

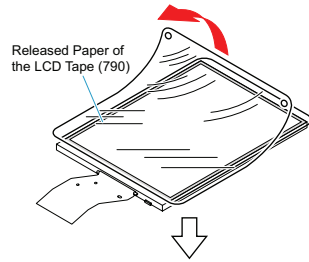
Peel off the LCD tape (790) from pasted board.



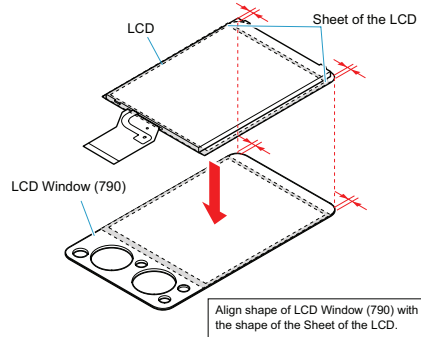
Attach the LCD tape (790) to LCD.



Remove the released paper of the LCD tape (790).



Attach the LCD to the LCD window (790).



Assembly-2: The Method of attachment of ST-247 Flexible Board.

Install the ST-247 flexible board to the BT holder block assy as shown in the figure.

