

SONY®

Digital HD Video Camera Recorder

HDR-CX405

HDR-CX440

HDR-PJ410

HDR-PJ440

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HANDYCAM®

AVCHD
Progressive

XAVC S

HDMI

LITHIUM ION

MEMORY STICK

microSDXC

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SERVICE MANUAL

警告

このマニュアルは、サービス専用です。
お客様が、このマニュアルに記載された設置や保守、点検、修理などを行うと感電や火災、人身事故につながる可能性があります。
危険をさけるため、サービストレーニングを受けた技術者のみご使用ください。

WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

AVERTISSEMENT

Ce manuel est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

注意

指定以外の電池に交換すると、破裂する危険があります。
必ず指定の電池に交換してください。
使用済みの電池は、国または地域の法令に従って
処理してください。

FÖRSIKTIGHET!

Fara för explosion vid felaktigt placerat batteri.
Byt endast mot samma eller likvärdig typ av batteri,
enligt tillverkarens rekommendationer.
När du kasserar batteriet ska du följa rådande lagar
för regionen eller landet.

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type rec-
ommended by the manufacturer.
When you dispose of the battery, you must obey the
law in the relative area or country.

PAS PÅ

Fare for eksplosion, hvis batteriet ikke udskiftes
korrekt.
Udskift kun med et batteri af samme eller tilsvarende
type, som er anbefalet af fabrikanten.
Når du bortskaffer batteriet, skal du følge
lovgivningen i det pågældende område eller land.

ATTENTION

Il y a danger d'explosion s'il y a remplacement incor-
rect de la batterie. Remplacer uniquement avec
une batterie du même type ou d'un type équivalent
recommandé par le constructeur.
Lorsque vous mettez la batterie au rebut, vous devez
respecter la législation en vigueur dans le pays ou la
région où vous vous trouvez.

HUOMIO

Räjähdysvaara, jos akku vaihdetaan virheellisesti.
Vaihda vain samanlaiseen tai vastaavatyypiseen,
valmistajan suosittelemaan akkuun.
Noudata akun hävittämisesä oman maasi tai
alueesi lakeja.

VORSICHT

Explosionsgefahr bei Verwendung falscher Batterien.
Batterien nur durch den vom Hersteller empfohlenen
oder einen gleichwertigen Typ ersetzen.
Wenn Sie die Batterie entsorgen, müssen Sie die
Gesetze der jeweiligen Region und des jeweiligen
Landes befolgen.

FORSIKTIG

Eksplosjonsfare hvis feil type batteri settes i.
Bytt ut kun med samme type eller tilsvarende
anbefalt av produsenten.
Kasser batteriet i henhold til gjeldende avfallsregler.

注意

如果更换的电池不正确，就会有爆炸的危险。
只更换同一类型或制造商推荐的电池型号。
处理电池时，必须遵守相关地区或国家的法律。

Note:

Be sure to keep your PC used for service and checking of this
unit always updated with the latest version of your anti-virus
software. In case a virus affected unit was found during service,
contact your Service Headquarters.

注意：

修理時に使用するパソコンは、ウィルス検出ソフトが常にアッ
プデートを行っているパソコンを使用してください。もし、修
理を行うセット、もしくはパソコンがウィルスに感染している
事が判明した場合は、ソニーグループ内は社内技術相談窓口
に、特約店様は特約店様専用電話窓口（修理窓口）にご相談くだ
さい。

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer.

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are “pinched” or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.
6. Flexible Circuit Board Repairing
 - Set the soldering iron tip temperature to 350 °C approximately.
 - Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
 - Be careful not to apply force on the conductor when soldering or unsoldering.

UNLEADED SOLDER

This unit uses unleaded solder.

Boards requiring use of unleaded solder are printed with the lead free mark (LF) indicating the solder contains no lead.

(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)



: LEAD FREE MARK

Be careful to the following points to solder or unsolder.

- Set the soldering iron tip temperature to 350 °C approximately. If cannot control temperature, solder/unsolder at high temperature for a short time.
- **Caution:** The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Be sure to control soldering iron tips used for unleaded solder and those for leaded solder so they are managed separately. Mixing unleaded solder and leaded solder will cause detachment phenomenon.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Manual Structure

Purpose of this manual

This manual describes the information items that premise the service based on the components parts assuming use of system and service engineers.

Related manuals

Besides this manual, the following manuals are available.

- Operating Guide (Supplied with this unit)
- Help Guide (Web manual)

Help Guide is an on-line manual.

Refer to it for in-depth instructions on the many functions of the camcorder.

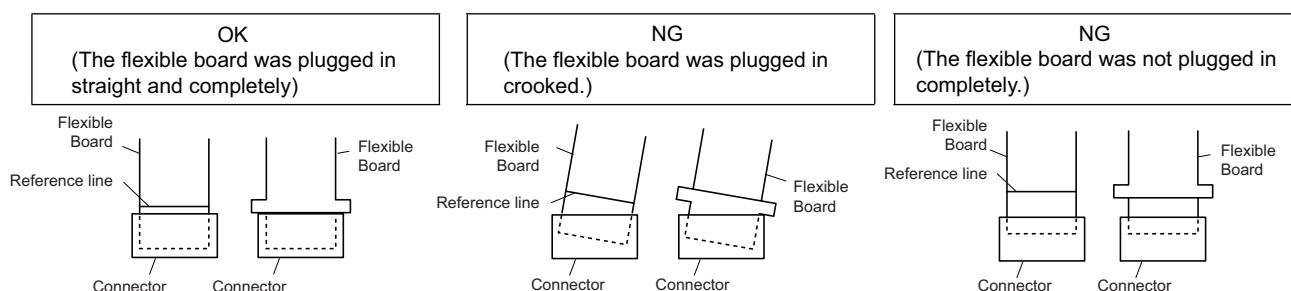
Section 2

Service Note

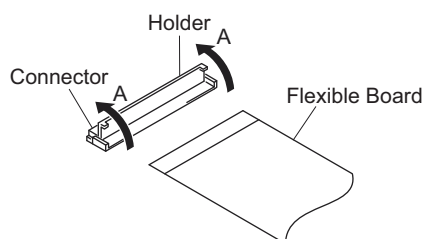
2-1. Operation Notes

2-1-1. Flexible Board

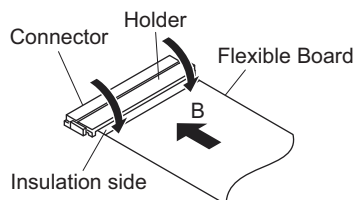
- Make sure that the conductive side of a flexible board does not have any stain or foreign materials.
- Do not touch the conductive side of flexible boards with bare hands.
- Plug in a flexible board straight, fully into the connector until it reaches the end inside.



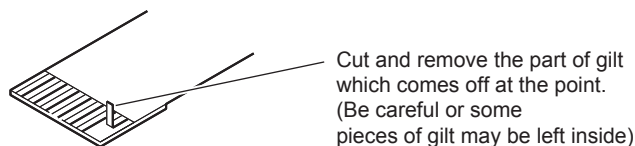
- When opening the connector's holder in direction A, do not open it with excessive force.



- When closing the connector's holder, press it evenly while pushing a flexible board in direction B.



- Make sure that the flat cable and flexible board are not cracked or bent at the contact end.



- Do not apply excessive force to the gilded flexible board.

2-1-2. Fine-Wire Coaxial Cable

- The proper way to disconnect a connector is to grab the connector instead of the wires. If you pull on the wires, they might be broken.
- The proper way to connect a connector is to grab the connector instead of the wires. If you push on the wires, they might be broken.

2-2. Power Supply during Repairs

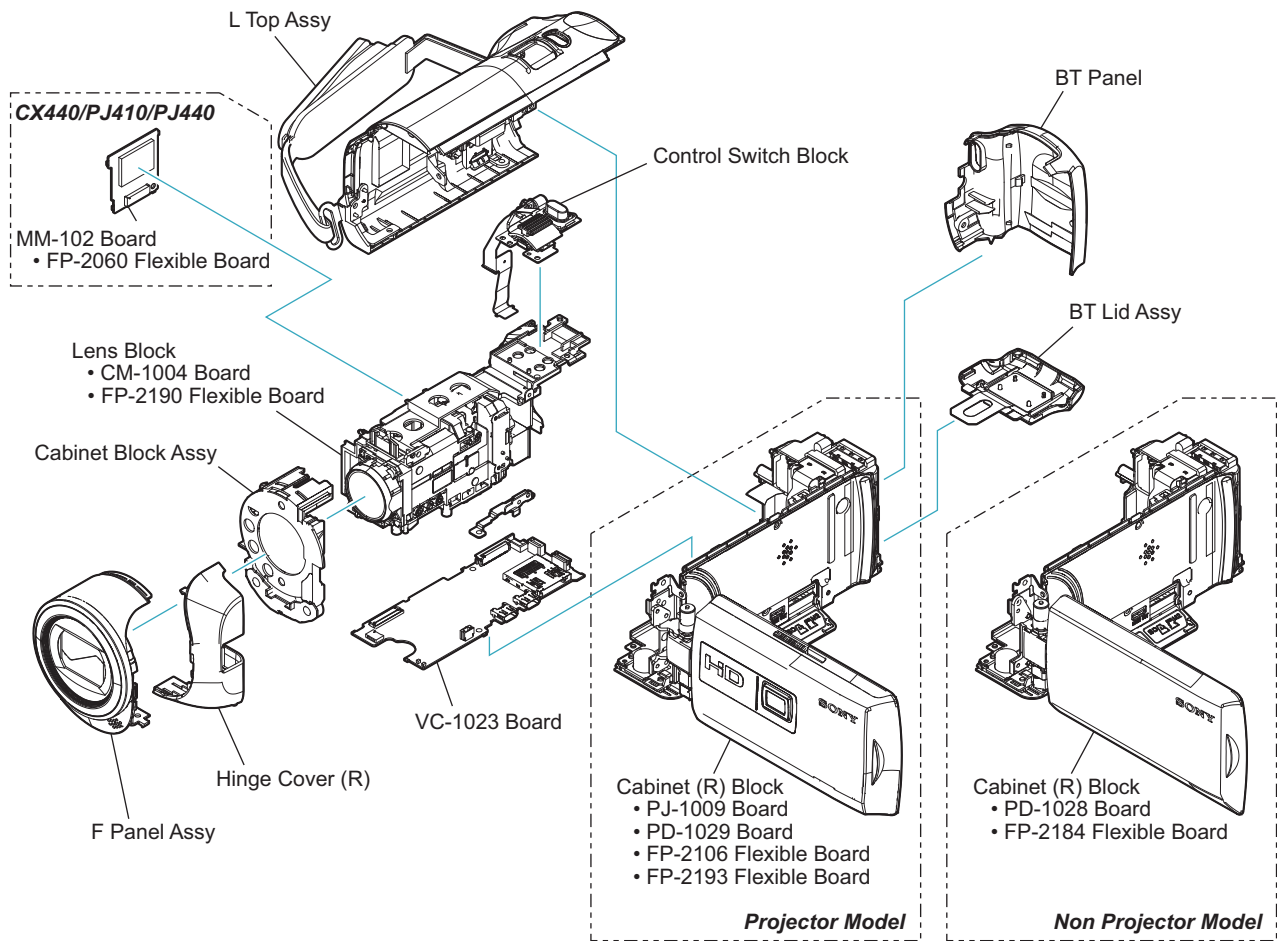
2-2-1. AC power adaptor

Use the AC power adaptor.

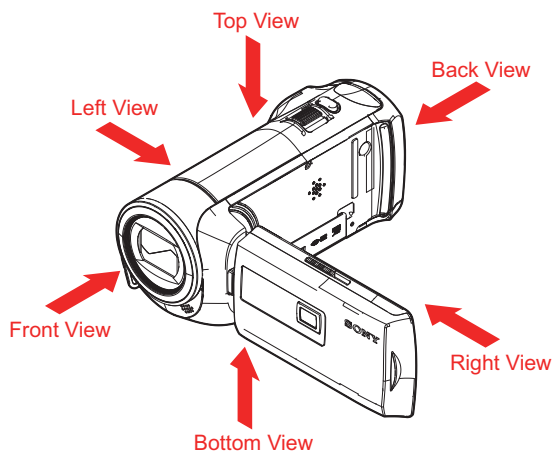
Section 4

Replacement of Main Parts

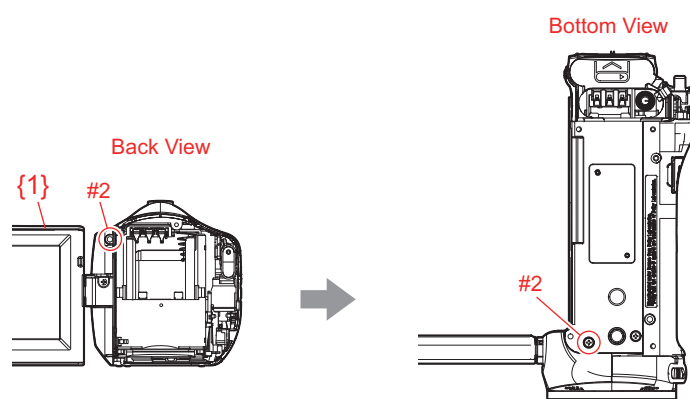
4-1. Identifying Parts



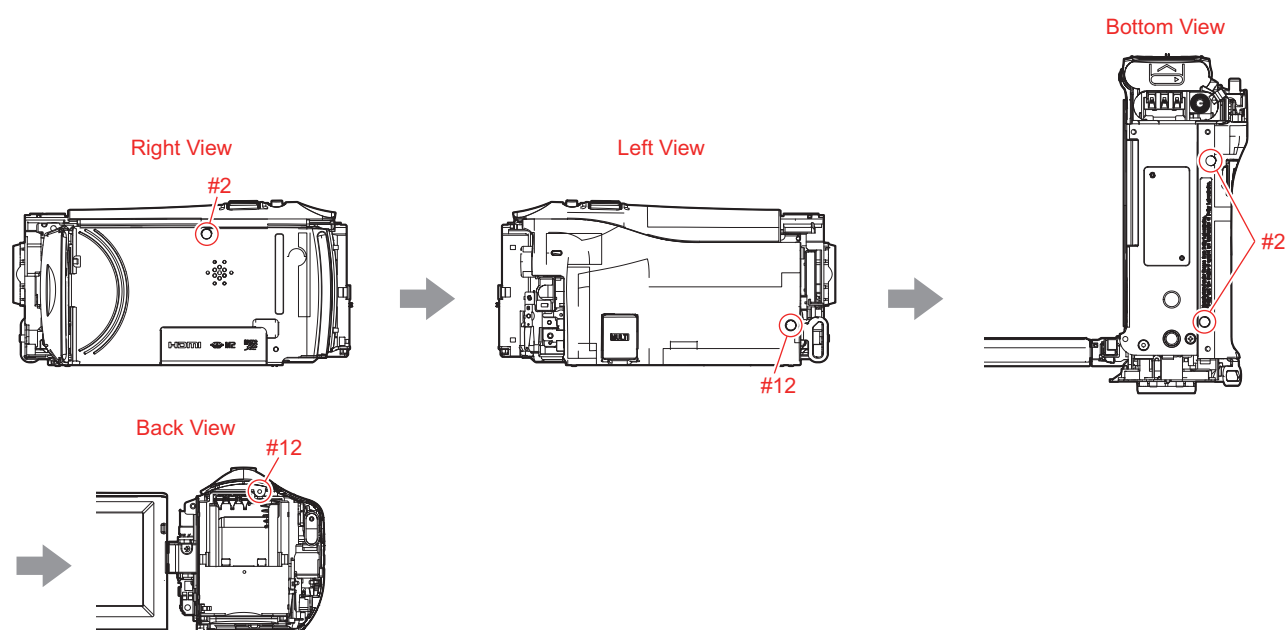
View Position



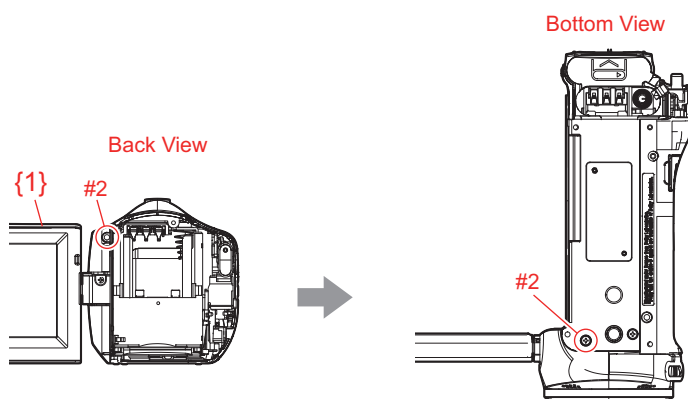
[2] Open the LCD {1} → #2 X 2



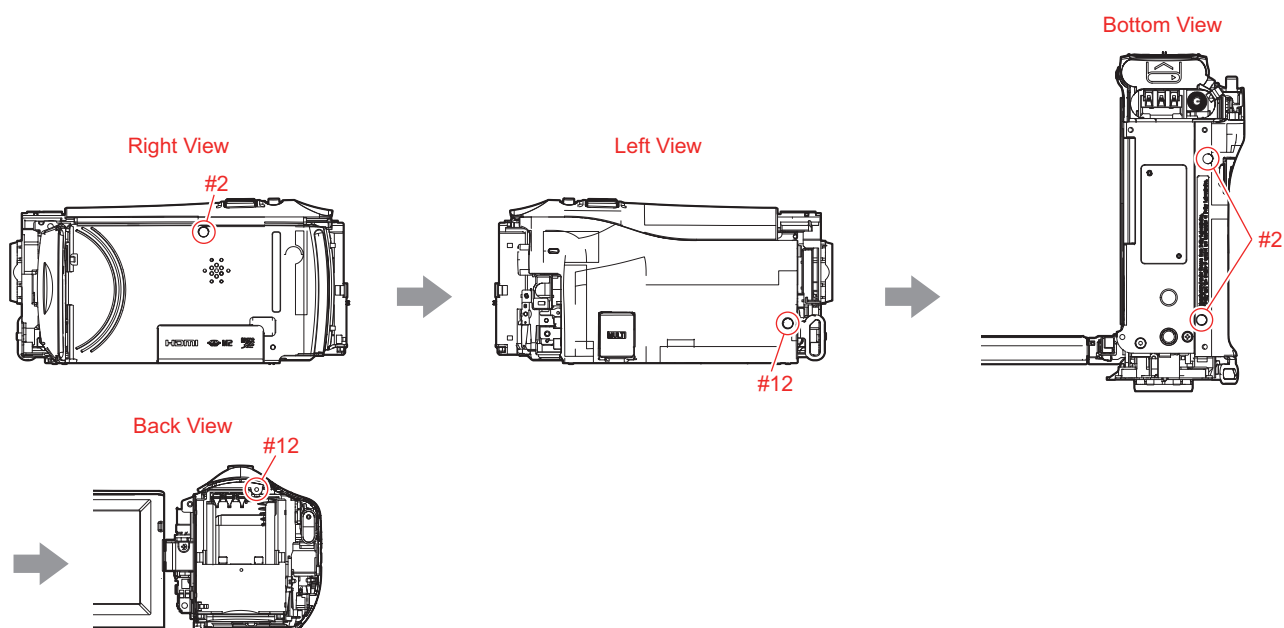
[3] #2 X 1 → #12 X 1 → #2 X 2 → #12 X 1



[2] Open the LCD {1} → #2 X 2

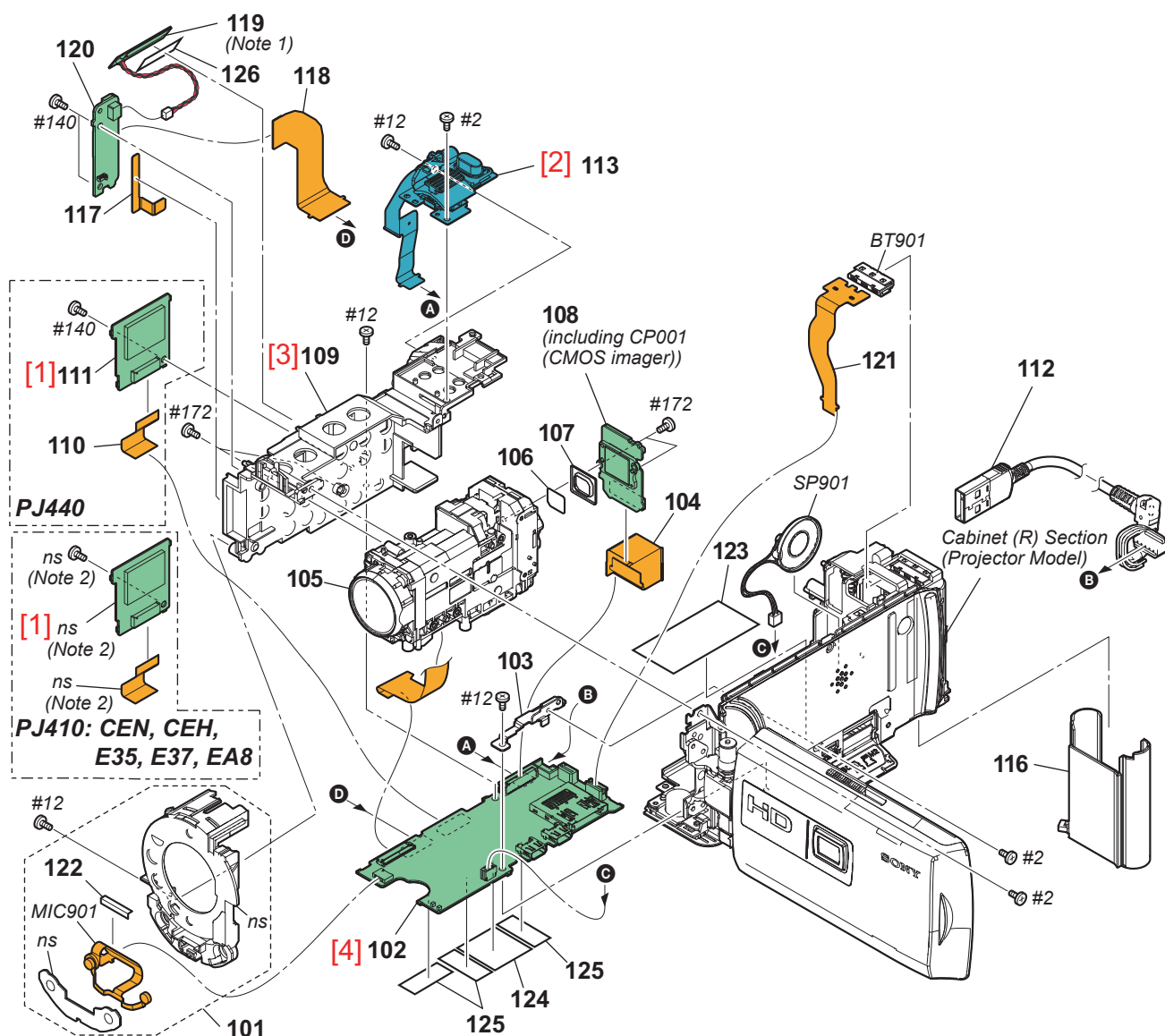


[3] #2 X 1 → #12 X 1 → #2 X 2 → #12 X 1



4-2-3. Overall Section-2 (Projector Model)

- Refer to “Overall Section-2 (Projector Model)” on exploded view for Ref. No.



Note 1

Be careful not to break the NFC Block Assy.
NFC部組を折らないよう注意してください。

Note 2

MM-102基板またはFP-2060フレキシブル基板のどちらかが故障した場合は、下記の3部品を全てセットから取り外して破棄してください。

- MM-102基板
- FP-2060フレキシブル基板
- ネジ

上記3部品は無い場合でも、セットの動作に影響はありません。部品を取り外すとデモ画面は使用できなくなります。

When the MM-102 board or FP-2060 flexible board is troubled, remove the following three parts and abandon them.

- MM-102 board
- FP-2060 flexible board
- Screw

Even if without using the three parts, the operation of the set does not have the influence. If these parts are removed, you can not use the demonstration movie.

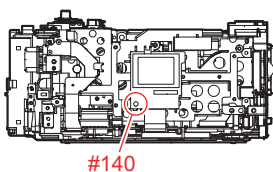
Disassembly Places

The shape may be different from the illustration depending on models.

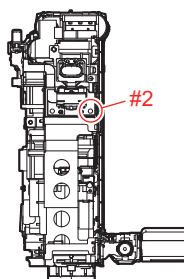
機種によって形状がイラストと異なる場合があります。

[1] #140 X 1

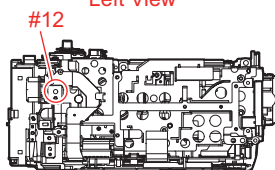
Left View

**[2] #2 X 1 → #12 X 1**

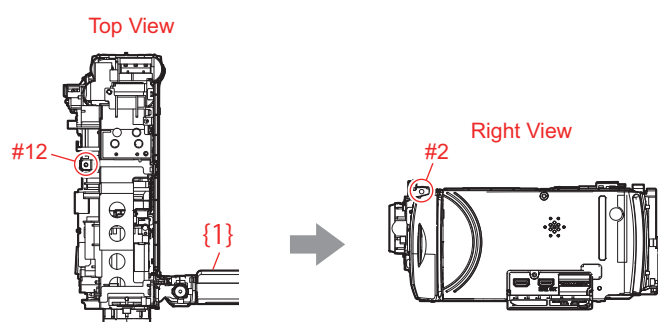
Top View



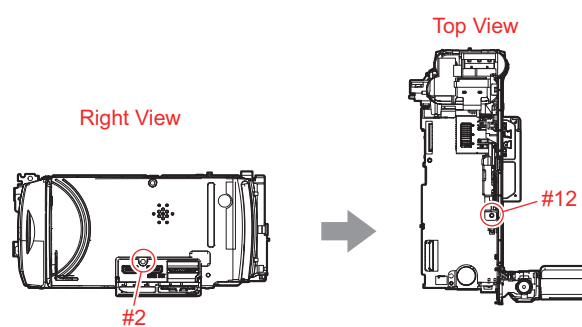
Left View



[3] #12 X 1 → Open the LCD {1} → #2 X 1



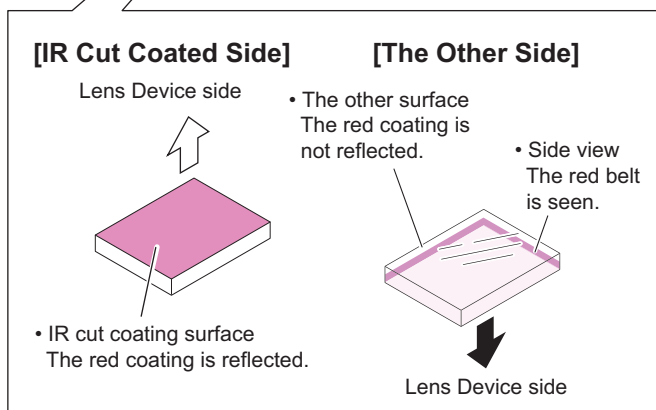
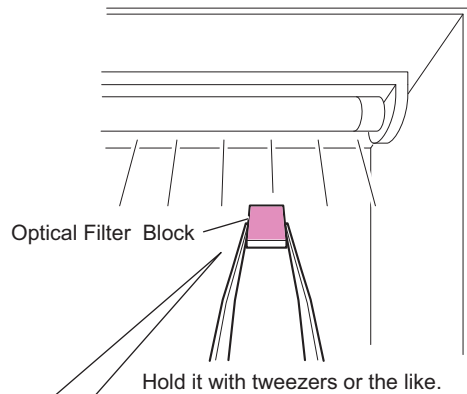
[4] #2 X 1 → #12 X 1



Notes on Assembling the Overall Section-2

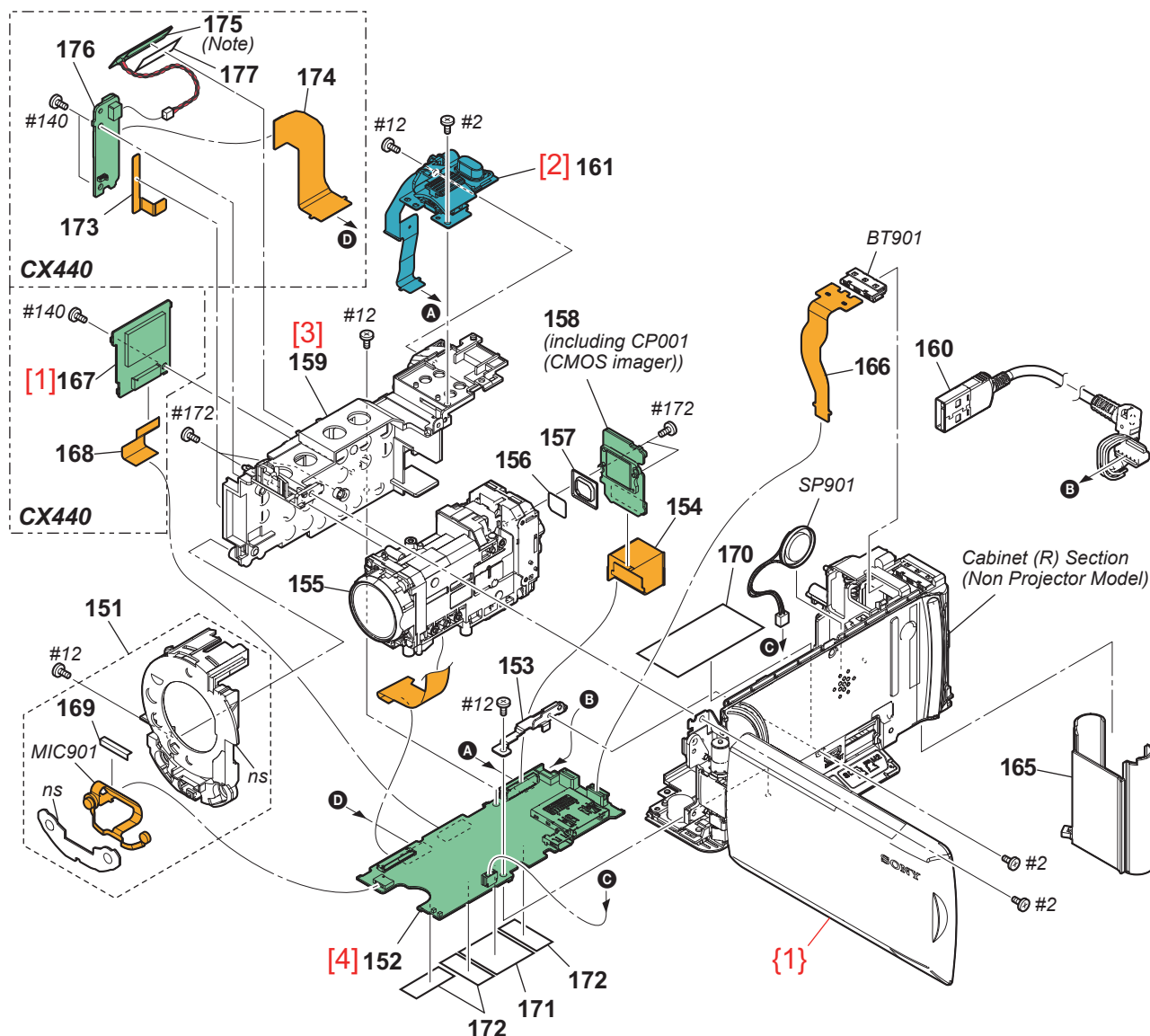
How to distinguish the side of Optical Filter Block facing to Lens Device

The one side of the Optical Filter Block has treated with IR cut coating. Mount the Optical Filter Block facing the IR cut coated side to the lens device. Distinguish the IR cut coated side from the other by applying the fluorescent light to the Optical Filter Block in the dark place (cut off the outside light).



4-2-4. Overall Section-2 (Non Projector Model)

- Refer to “Overall Section-2 (Non Projector Model)” on exploded view for Ref. No.



Note

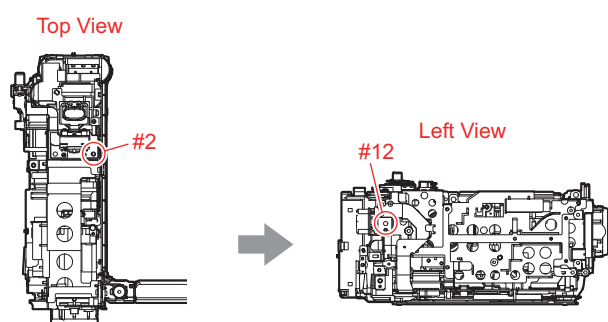
Be careful not to break the NFC Block Assy.
NFC部組を折らないよう注意してください。

Disassembly Places

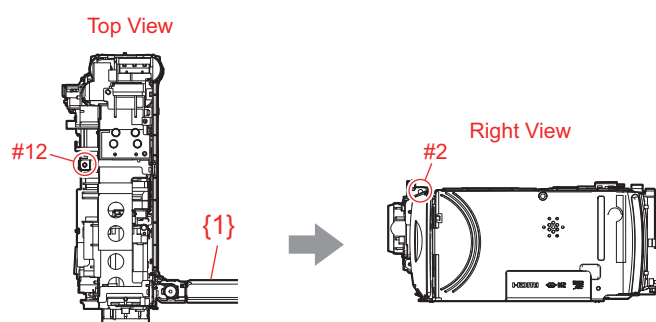
The shape may be different from the illustration depending on models.

機種によって形状がイラストと異なる場合があります。

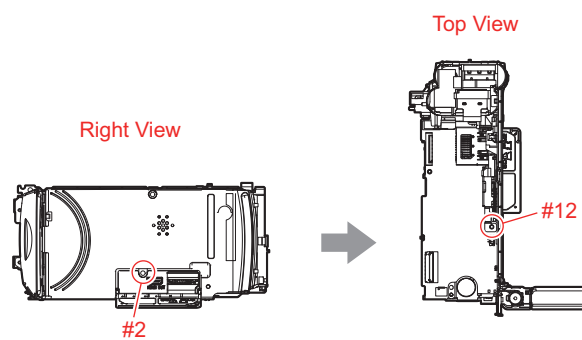
[2] #2 X 1 → #12 X 1



[3] #12 X 1 → Open the LCD {1} → #2 X 1



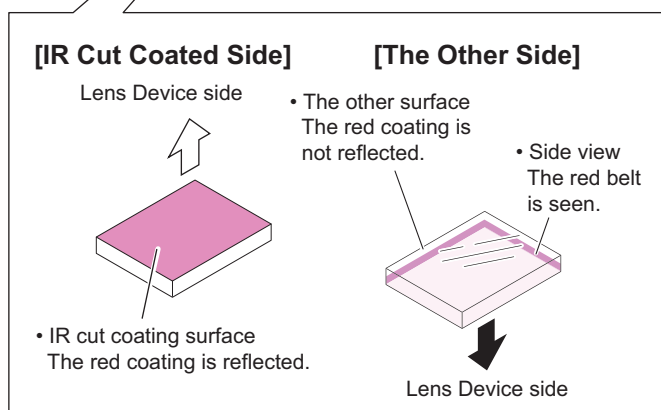
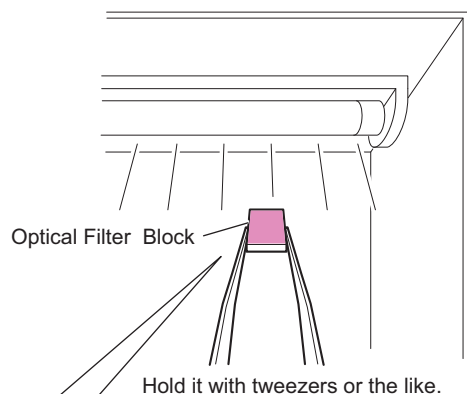
[4] #2 X 1 → #12 X 1



Notes on Assembling the Overall Section-2

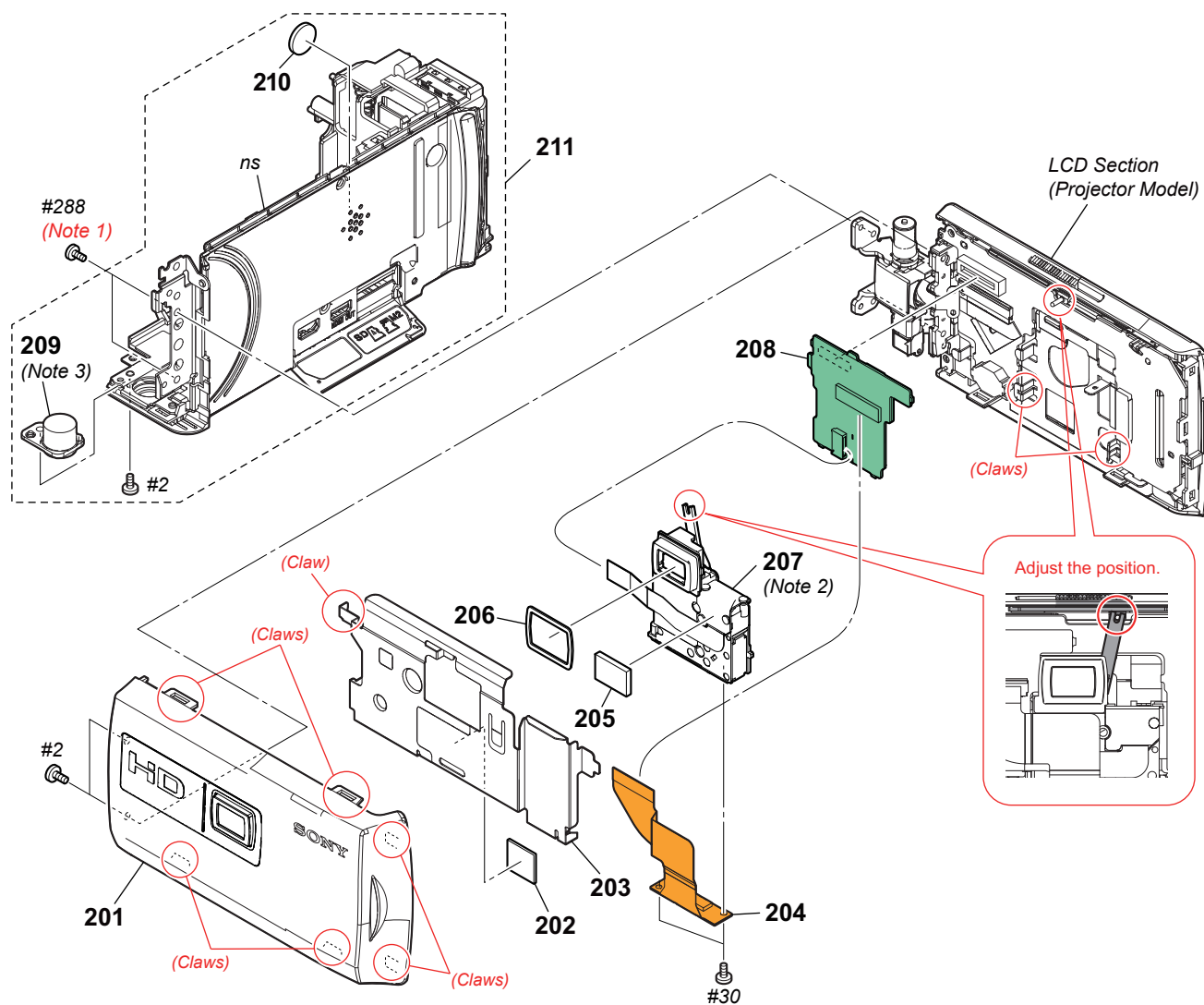
How to distinguish the side of Optical Filter Block facing to Lens Device

The one side of the Optical Filter Block has treated with IR cut coating. Mount the Optical Filter Block facing the IR cut coated side to the lens device. Distinguish the IR cut coated side from the other by applying the fluorescent light to the Optical Filter Block in the dark place (cut off the outside light).



4-2-5. Cabinet (R) Section (Projector Model)

- Refer to “Cabinet (R) Section (Projector Model)” on exploded view for Ref. No.



Note 1

This screw cannot be reused. Discard the screw removed once in servicing. Instead, use a new screw.

このねじは再利用することができません。
サービス対応時に一度でも外した場合は新品のねじと交換してください。

Note 2

PRECAUTIONS WHEN HOLDING THE PROJECTOR UNIT

■ Very weak (Don't hold)
■ Weak (Handling attention)
■ Have to wear finger stall

Lens part
 Copper Plate
 Lever
 Contact area of Flexible Board
 Sheet
 Copper Plate
 Terminal of Connector

The projector unit (copper plate in particular) becomes hot after it is used. When replacing a part of the projector unit, wait until it is cooled down.

プロジェクターユニットを持つ際の注意

■ 非常に弱い (持ってはいけない)
■ 弱い (取り扱い注意)
■ 指サック着用のこと

レンズ部
 銅板
 レバー
 フレキ接点
 シート
 銅板
 コネクタ部

プロジェクターを使用した後は、プロジェクターユニットが熱くなっています。特に銅板の部分は高温になります。部品を交換する時は、温度が下がってから作業を行ってください。

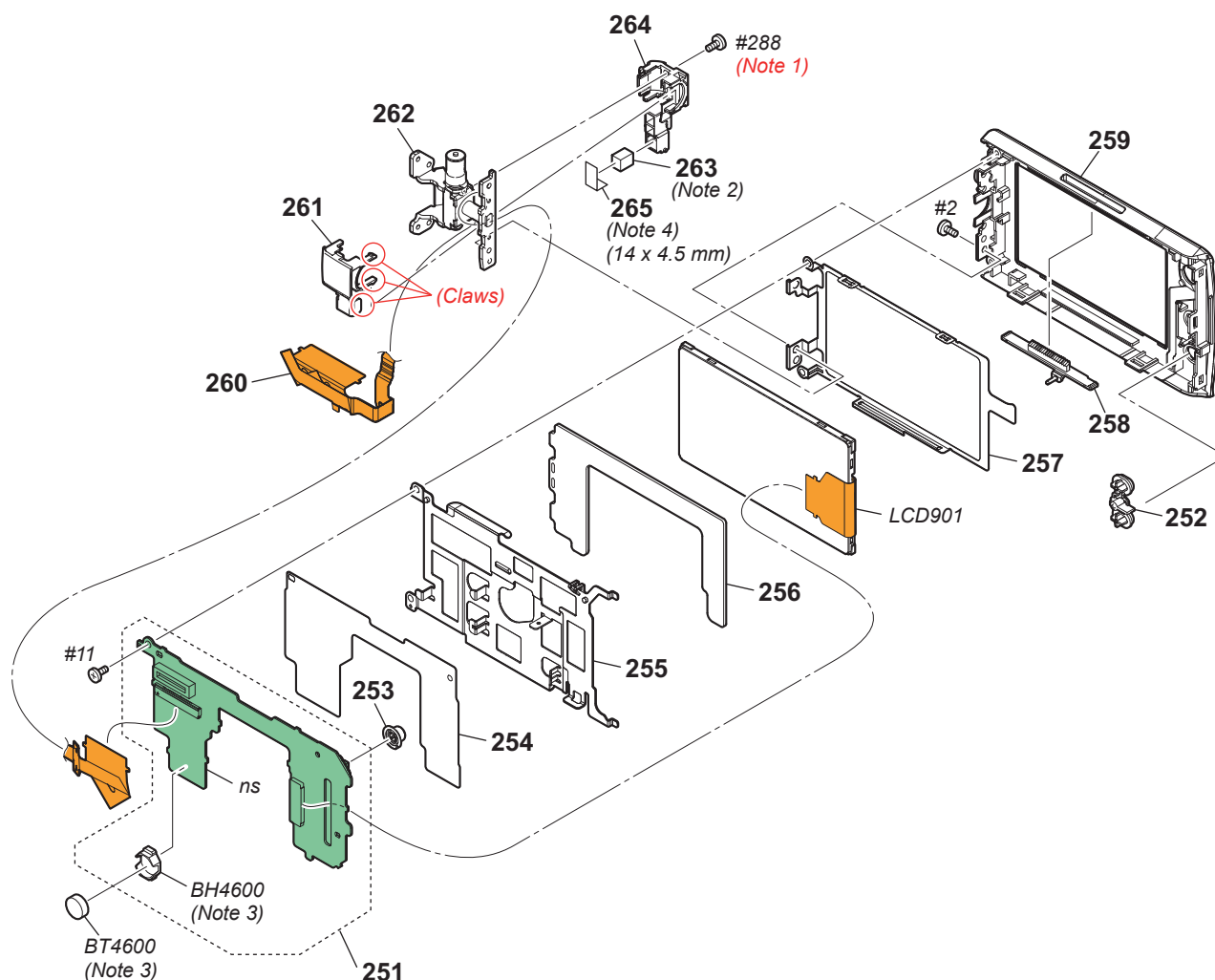
Note 3

When removing / attaching this part, be careful not to damage the peripheral parts.

この部品を取り外し、取り付けるときは、周囲の部品を破損しないよう注意してください。

4-2-6. LCD Section (Projector Model)

- Refer to “LCD Section (Projector Model)” on exploded view for Ref. No.



Note 1

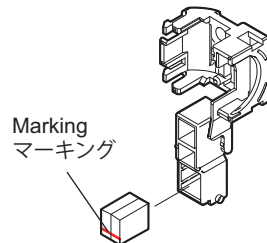
This screw cannot be reused. Discard the screw removed once in servicing. Instead, use a new screw.

このねじは再利用することができません。
サービス対応時に一度でも外した場合は新品のねじと交換してください。

Note 2

Install the magnet with the marking oriented as shown in the figure below.

マグネットを取付ける際は、マーキング面を図の位置にあわせてください。

**Note 3**

Replace the battery holder (BH4600) together when replacing the lithium storage battery (BT4600) on the PD-1029 board. (The battery holder removed once cannot be used again.) When mounting these parts, mount new battery holder first and attach new lithium storage battery next.

PD-1029基板のリチウム蓄電池 (BT4600) を交換する場合は、バッテリーホルダ (BH4600) も同時に新品に交換してください。(一度使用したバッテリーホルダは再使用できません。) 部品取り付けの際は、先にバッテリーホルダを取り付けてからリチウム蓄電池を装着してください。

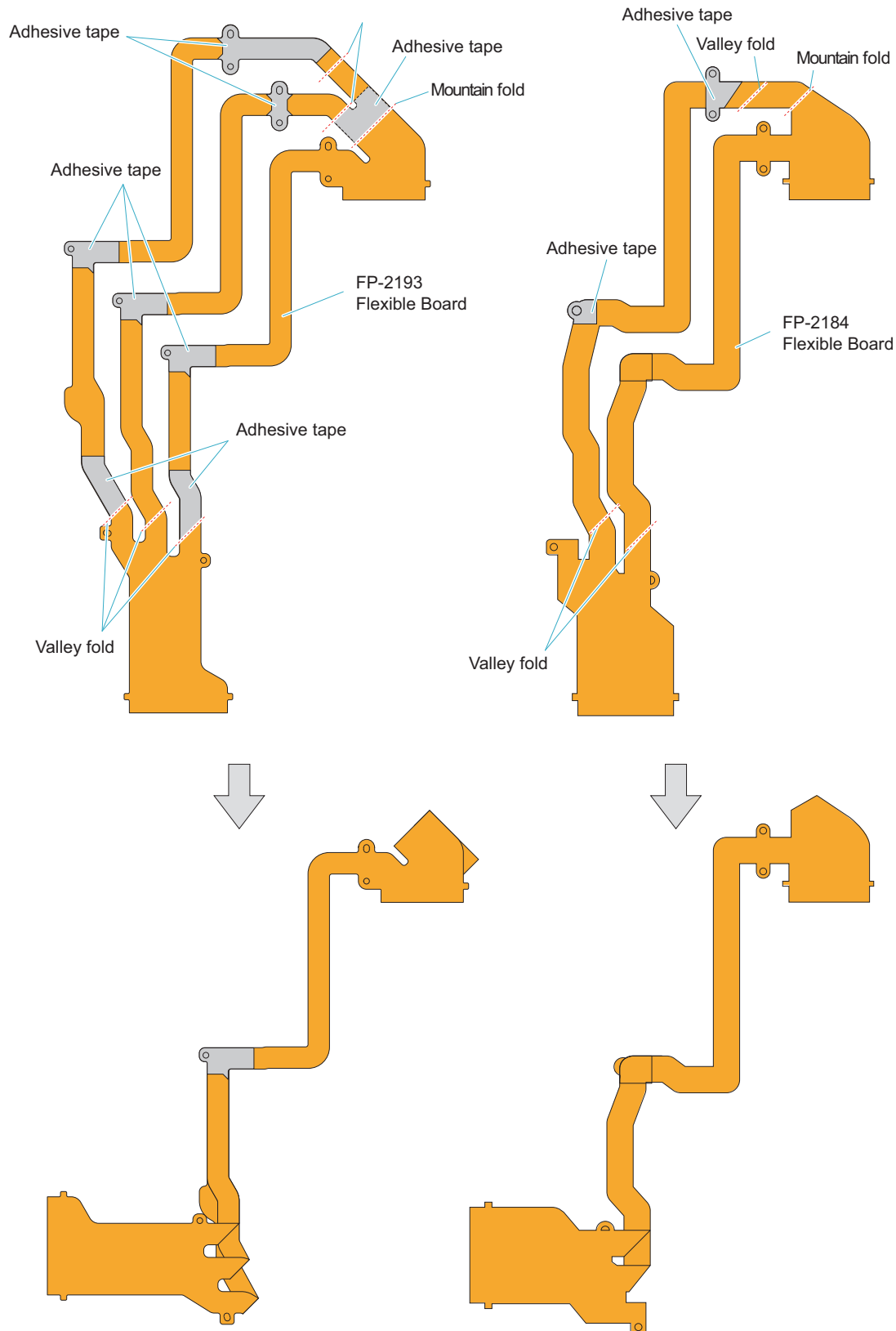
Note 4

Use this to cut or splice so that it becomes the designated size.
指定のサイズになるように形状を加工して使用してください。

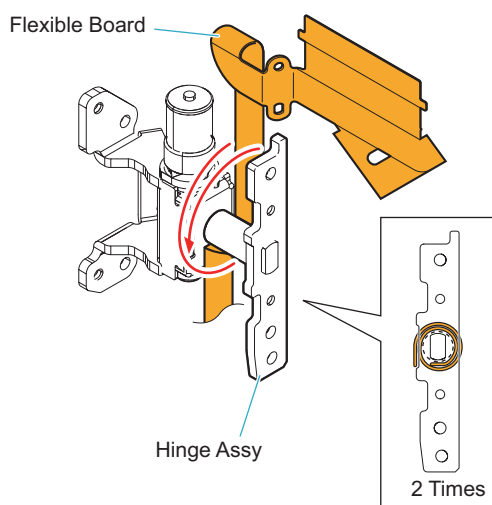
Notes on Assembling the LCD Section

Installing the FP-2184/2193 Flexible Board

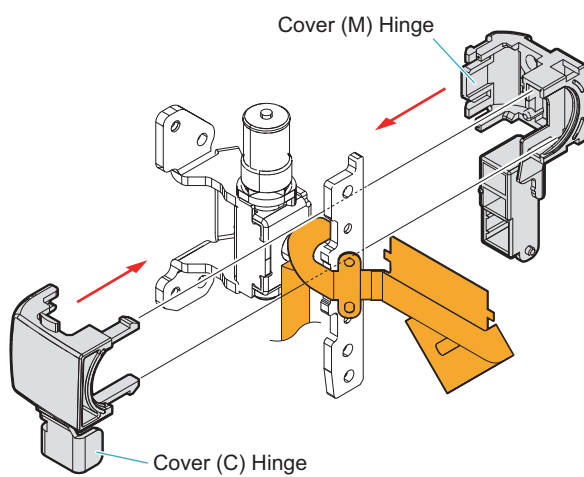
- ① Fold dotted line parts of the FP-2184/FP-2193 flexible board as shown in the figure below.



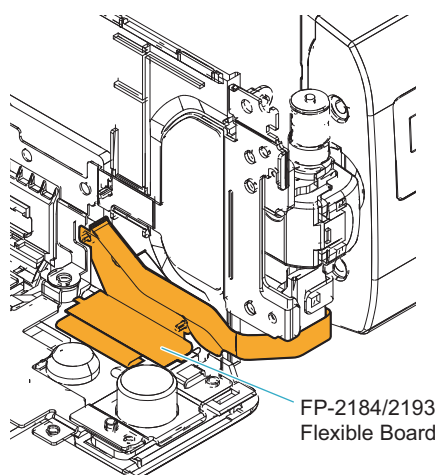
- ② Roll the FP-2184/2193 Flexible Board 2 times in the Hinge Assy as shown in the figure below.



- ③ Install the Cover (M) Hinge/Cover (C) Hinge.

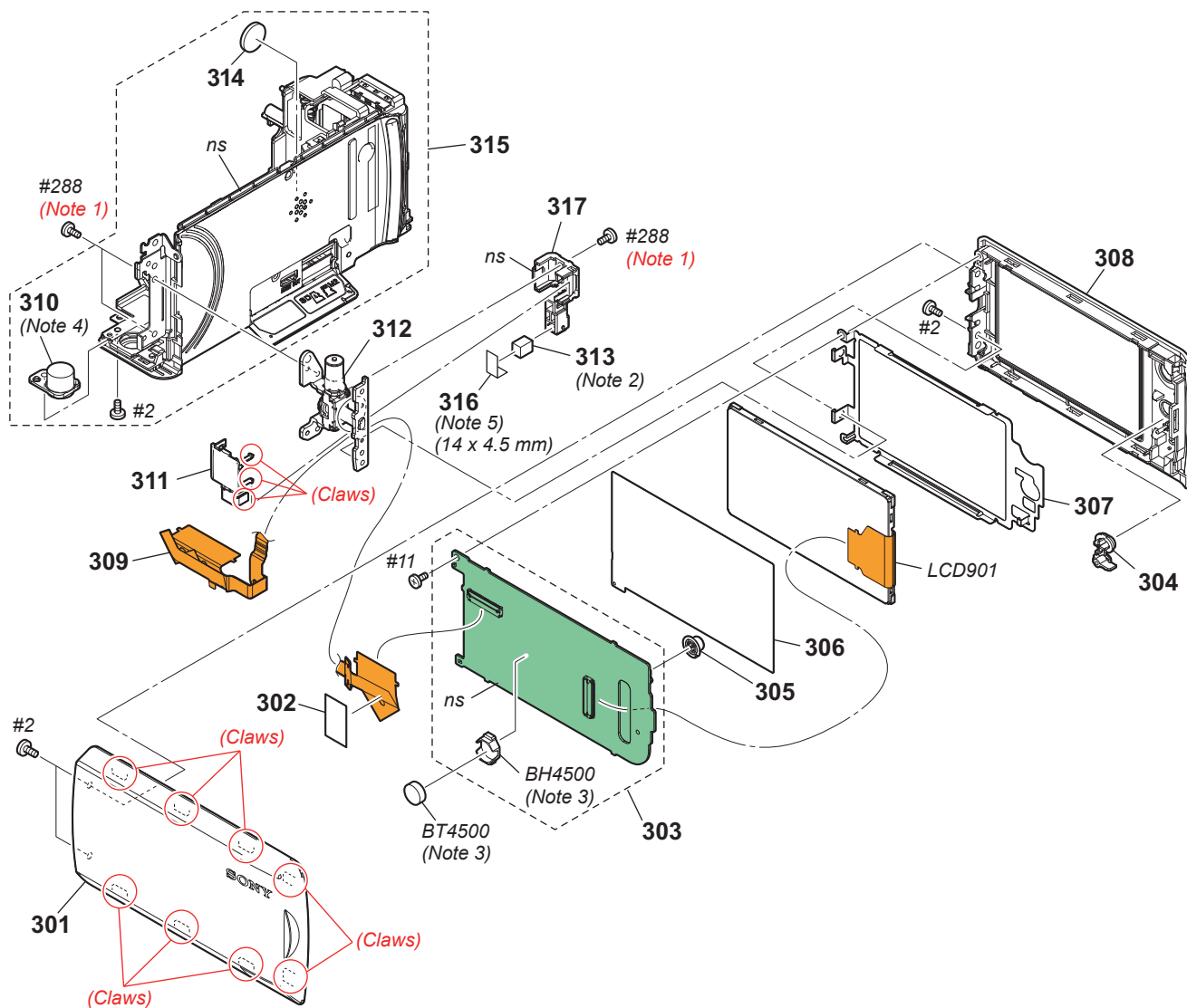


- ④ Attach the FP-2184/2193 Flexible Board board as shown in the figure below.



4-2-7. Cabinet (R) Section (Non Projector Model)

- Refer to “Cabinet (R) Section (Non Projector Model)” on exploded view for Ref. No.



Note 1

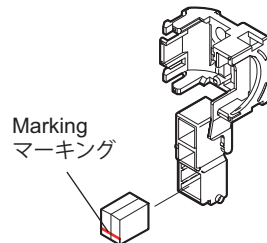
This screw cannot be reused. Discard the screw removed once in servicing. Instead, use a new screw.

このねじは再利用することができません。
サービス対応時に一度でも外した場合は新品のねじと交換してください。

Note 2

Install the magnet with the marking oriented as shown in the figure below.

マグネットを取付ける際は、マーキング面を図の位置にあわせてください。

**Note 3**

Replace the battery holder (BH4500) together when replacing the lithium storage battery (BT4500) on the PD-1029 board. (The battery holder removed once cannot be used again.) When mounting these parts, mount new battery holder first and attach new lithium storage battery next.

PD-1029基板のリチウム蓄電池 (BT4500) を交換する場合は、バッテリーホルダ (BH4500) も同時に新品に交換してください。(一度使用したバッテリーホルダは再使用できません。) 部品取り付けの際は、先にバッテリーホルダを取り付けてからリチウム蓄電池を装着してください。

Note 4

When removing / attaching this part, be careful not to damage the peripheral parts.

この部品を取り外し、取り付けるときは、周囲の部品を破損しないよう注意してください。

Note 5

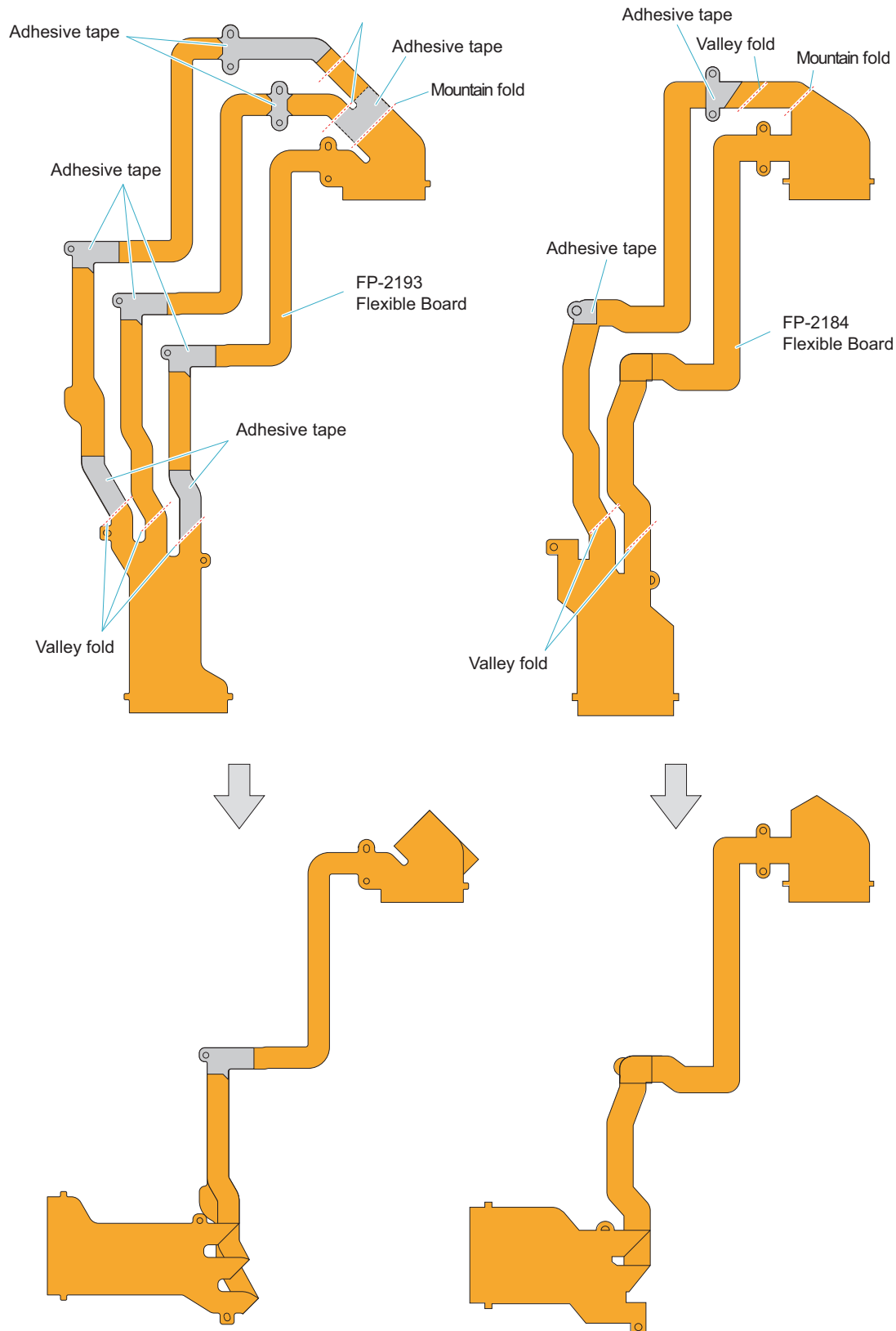
Use this to cut or splice so that it becomes the designated size.

指定のサイズになるように形状を加工して使用してください。

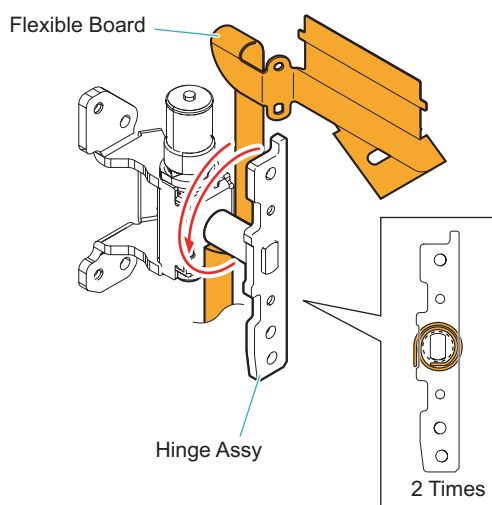
Notes on Assembling the Cabinet (R) Section

Installing the FP-2184/2193 Flexible Board

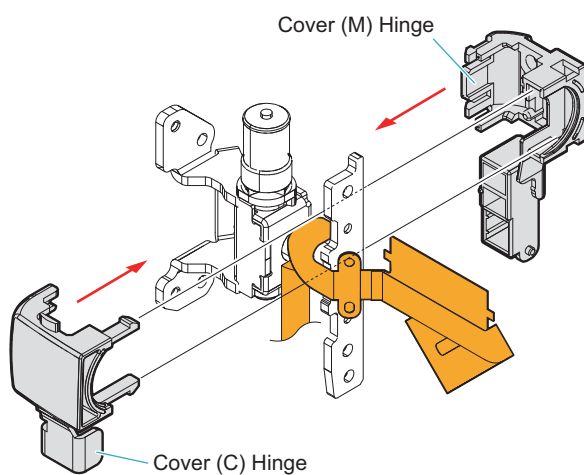
- ① Fold dotted line parts of the FP-2184/FP-2193 flexible board as shown in the figure below.



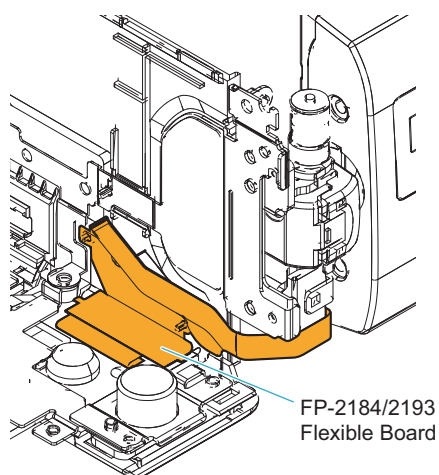
- ② Roll the FP-2184/2193 Flexible Board 2 times in the Hinge Assy as shown in the figure below.



- ③ Install the Cover (M) Hinge/Cover (C) Hinge.



- ④ Attach the FP-2184/2193 Flexible Board board as shown in the figure below.



Section 5

Repair Parts List

5-1. Note on Repair Parts

(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.
- ns: Not supplied part.
- 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...,
 - uPC... : μ PC..., uPD... : μ PD...
- Color Indication of Appearance Parts
 - Example:
 - (SILVER) : Cabinet's Color
 - (Silver) : Parts Color

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

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

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

如果电池更换不当会有爆炸危险。
只能用同样类型或等效类型的电池来更换。
务必按照说明处置用完的电池。

The components identified by mark $\triangle$ contain confidential information.

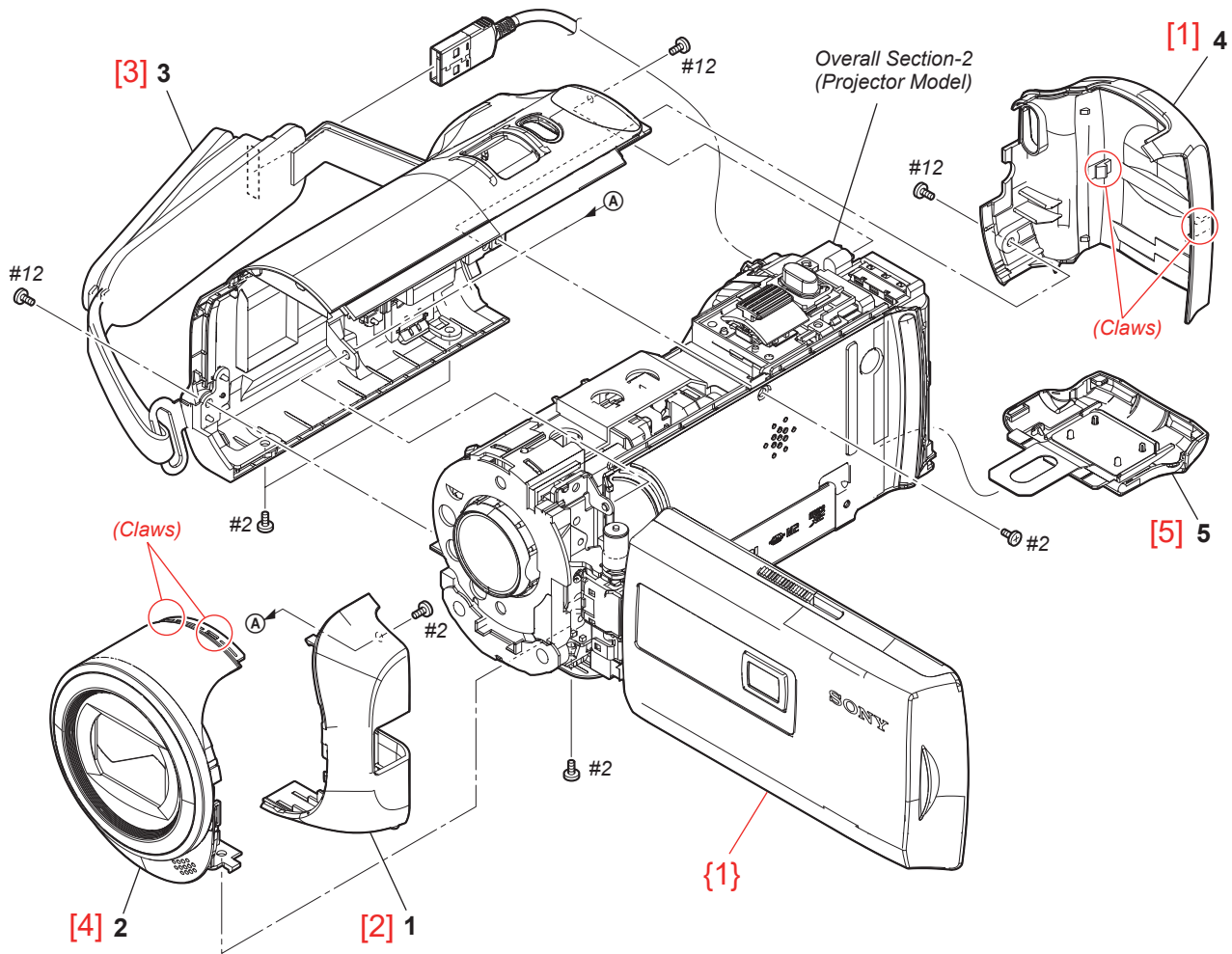
Strictly follow the instructions whenever the components are repaired and/or replaced.
Destroy and discard the prescribed board and IC after they are replaced.

Les composants identifiés par le symbole $\triangle$ contiennent des informations confidentielles.
Suivez scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.
Veuillez détruire et éliminer les circuits imprimés et / ou les circuits intégrés que vous avez remplacés.

标识有 $\triangle$ 的元件包含机密信息。
更换或维修元件时，请严格遵守指示。
更换后的电路板和IC，应予以报废。

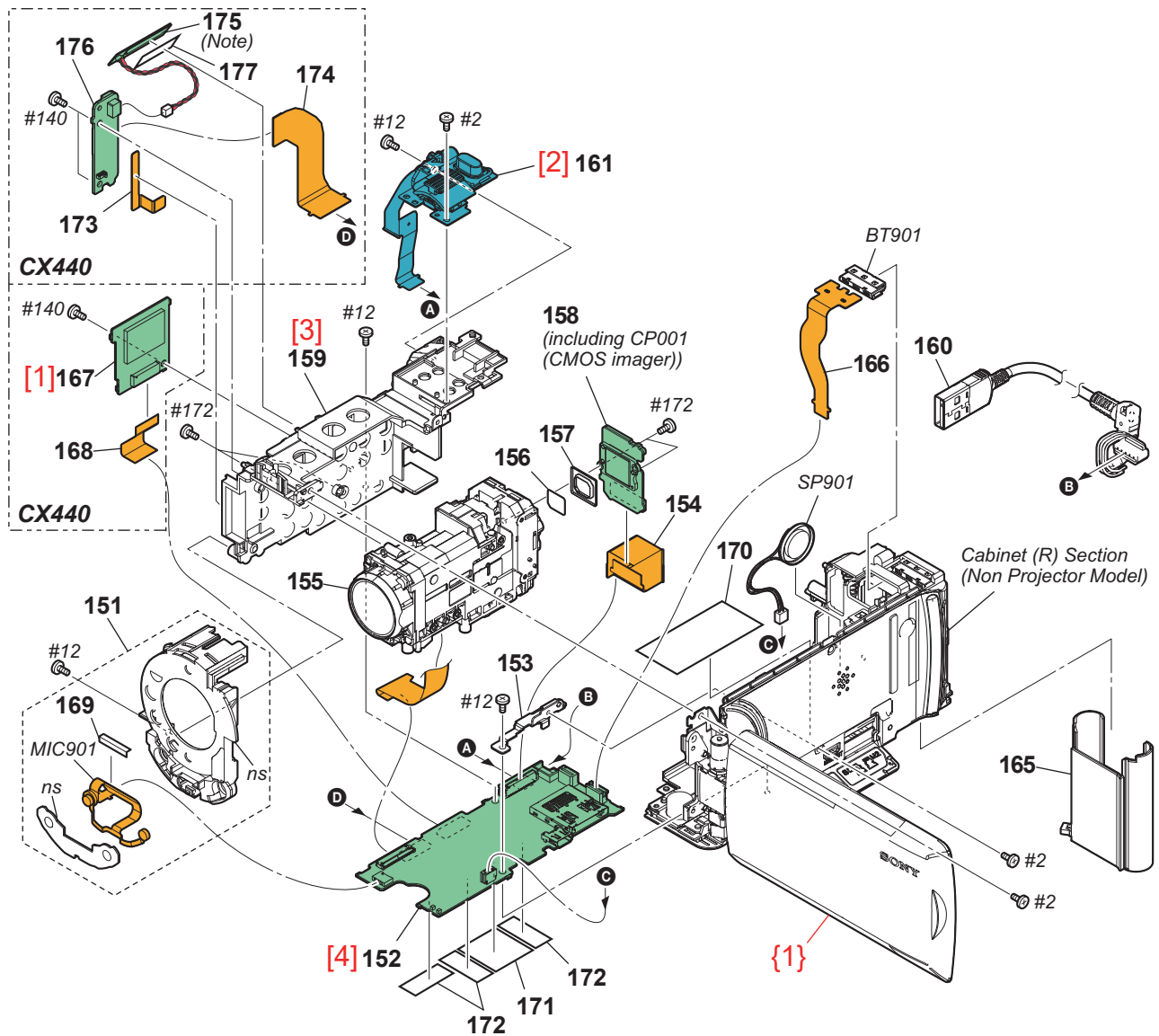
5-2. Exploded View

Overall Section-1 (Projector Model)



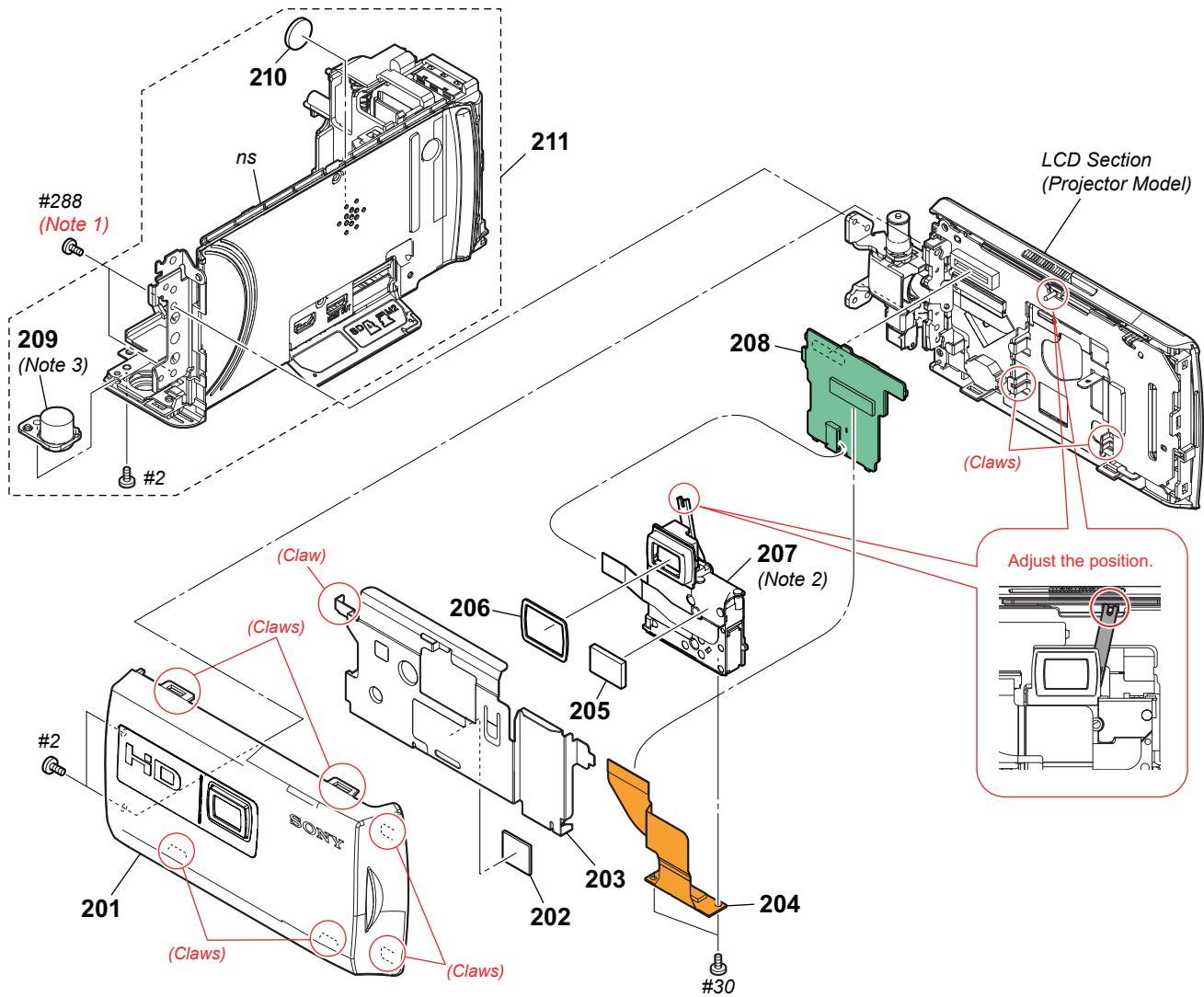
Ref. No. or Q'ty	Part No.	SP Description
1	4-476-680-31	COVER (R (4411)), HINGE
2	A-2067-210-A	PANEL ASSY (217B), F
3	A-2067-209-A	LTOP ASSY (217BW)
4	4-473-996-41	PANEL (441), BT
5	A-2067-213-A	LID ASSY (217B), BT
#2	2-635-562-31	SCREW (M1.7)
#12	3-080-204-21	SCREW, TAPPING, P2

Overall Section-2 (Non Projector Model)



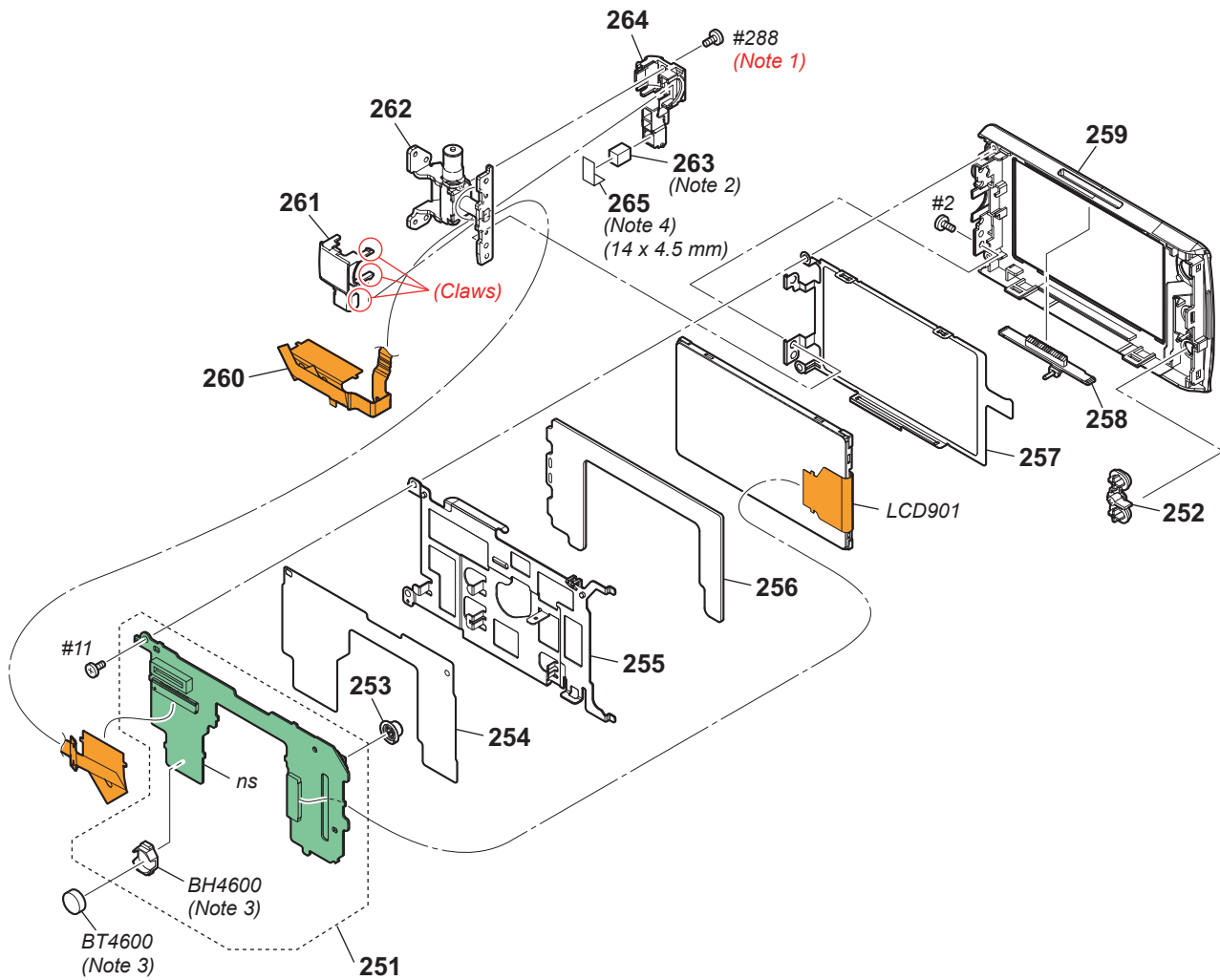
Ref. No. or Q'ty	Part No.	SP Description	Ref. No. or Q'ty	Part No.	SP Description
151	A-2067-220-A	CABINET BLOCK ASSY (217)	172	4-568-563-01	SHEET (T2) (478), RADIATION
152	Not Supplied	VC-1023 BOARD, COMPLETE (SERVICE) (CX440)	173	1-889-592-11	AN-1006 FLEXIBLE BOARD (CX440)
152	Not Supplied	VC-1023 BOARD, COMPLETE (SERVICE) (CX405)	174	1-889-209-11	FP-2200 FLEXIBLE BOARD (CX440)
153	4-476-262-01	RETAINER (453), HDMI	175	A-2040-416-A	NFC BLOCK ASSY (14Y_TERA) COMP (Note) (CX440)
154	1-889-184-11	FP-2190 FLEXIBLE BOARD	176	Not Supplied	WF-1004 BOARD, COMPLETE (CX440)
155	Not Supplied	DEVICE, LENS LSV-1610A	177	4-489-010-01	SHEET (ANT), ADHESIVE
156	1-856-432-21	FILTER BLOCK, OPTICAL	BT901	⚠ Not Supplied *	TERMINAL BOARD, BATTERY
157	4-436-733-01	RUBBER (1610), SEAL	MIC901	1-542-948-11	MICROPHONE UNIT
158	Not Supplied	CM-1004 BOARD, COMPLETE	SP901	1-826-837-91	SPEAKER (1.3CM)
159	A-1998-288-A	CABINET ASSY (449), INNER	#2	2-635-562-31	SCREW (M1.7)
160	1-838-712-61	CABLE, BUILT-IN USB	#12	3-080-204-21	SCREW, TAPPING, P2
161	1-492-709-11	SWITCH BLOCK, CONTROL (PS45300)	#172	2-178-410-01	TITE (UB TITE) 1.4
165	4-476-291-01	BATTERY (441), DUMMY			
166	1-889-222-11	FP-2201 FLEXIBLE BOARD			
167	Not Supplied	MM-102 BOARD, COMPLETE (CX440)			
168	1-887-155-11	FP-2060 FLEXIBLE BOARD (CX440)			
169	4-282-293-01	SHEET (ST (381)), SHIELD			
170	4-568-328-01	SHEET (478), VC RADIATION			
171	4-568-562-01	SHEET (T1) (478), RADIATION			

Cabinet (R) Section (Projector Model)



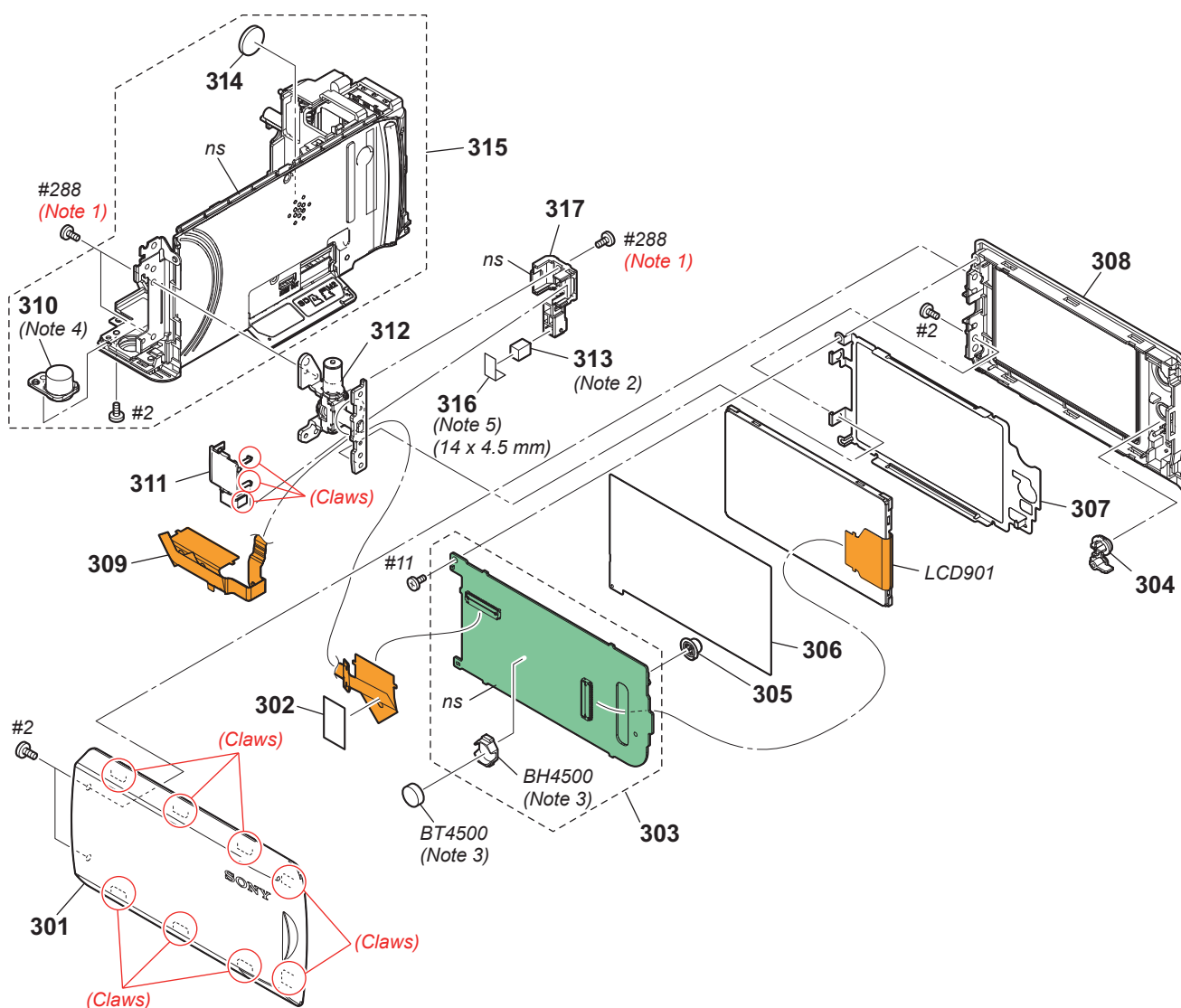
Ref. No. or Q'ty	Part No.	SP Description
201	A-2067-206-A	CABINET (C) ASSY (2171B 0), P (PJ410)
201	A-2067-207-A	CABINET (C) ASSY (2171B 8), P (PJ440)
202	4-476-583-01	SHEET PJ (4441)
203	4-476-569-01	HEAT SINK (4411), P
204	A-1903-100-A	FP-2106 FLEXIBLE BOARD, COMPLETE
205	4-272-354-01	SHEET, P RADIATION
206	4-272-358-01	CUSHION, P
207	A-1847-133-A	LSV-1580A (Note 2)
208	Not Supplied	PJ-1009 BOARD, COMPLETE
209	3-283-643-21	SCREW, TRIPOD (Note 3)
210	3-283-835-01 *	CUSHION, SP
211	A-2067-230-A	CABINET (R) ASSY (2171)
#2	2-635-562-31	SCREW (M1.7)
#30	3-086-156-11	SCREW B1.2
#288	2-187-345-21	SCREW (M1.7), P2 (Note 1)

LCD Section (Projector Model)



Ref. No. or Q'ty	Part No.	SP Description
251	A-1994-888-A	PD-1029 BOARD, COMPLETE (SERVICE)
252	4-476-572-01	BUTTON (4411), PLAYBACK (PJ)
253	4-209-715-01	JOYSTICK
254	4-476-577-01	INSULATING SHEET (4441)
255	4-476-565-01	RETAINER (4411), LCD
256	4-476-566-01	CUSHION (4441), LCD
257	4-476-564-01	PLATE (4411), PANEL GROUND
258	4-476-574-01	KNOB (4411), FOCUS
259	4-476-563-01	CABINET (M (4411)), P
260	1-889-187-11	FP-2193 FLEXIBLE BOARD
261	4-476-674-31	COVER (C (4411)), HINGE
262	X-2585-820-2	HINGE (P) (Y (4071)) ASSY
263	1-471-573-11	MAGNET (Note 2)
264	4-476-571-11	COVER (M (4411)), HINGE
265	4-446-014-01	TAPE AS (2040) (Note 4)
BH4600	1-251-928-21	SOCKET, BATTERY (Note 3)
BT4600	1-756-134-16	BATTERY, LITHIUM (SECONDARY) (Note 3)
LCD901	1-811-218-61	LCD MODULE
#2	2-635-562-31	SCREW (M1.7)
#11	3-078-890-11	SCREW, TAPPING
#288	2-187-345-21	SCREW (M1.7), P2 (Note 1)

Cabinet (R) Section (Non Projector Model)



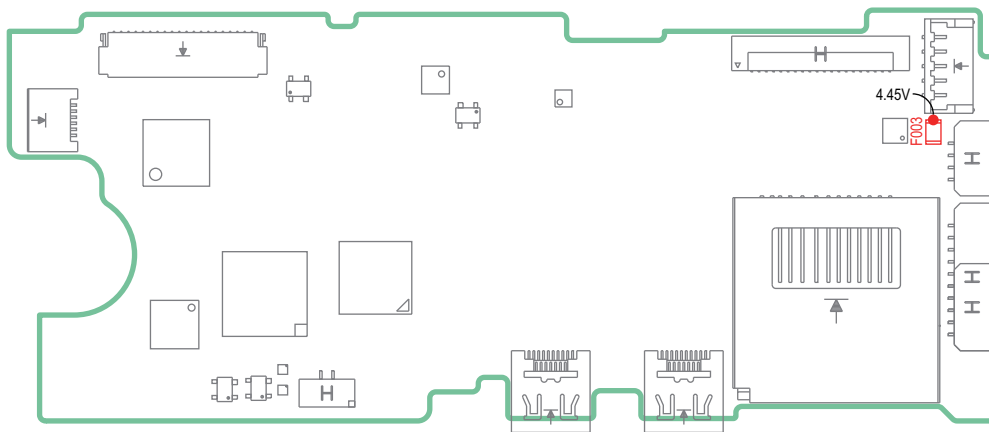
Ref. No. or Q'ty	Part No.	SP Description
301	4-476-668-41	CABINET (C (441)), P (CX405)
301	4-476-668-31	CABINET (C (441)), P (CX440)
302	4-274-987-01	TAPE (AS 1/2) (C)
303	A-1994-877-A	PD-1028 BOARD, COMPLETE (SERVICE)
304	4-476-572-11	BUTTON (4411), PLAYBACK (PJ)
305	4-209-715-01	JOYSTICK
306	4-446-970-01	INSULATING SHEET (409)
307	4-476-576-01	PLATE (441), PANEL GROUND
308	4-476-575-01	CABINET (M (441)), P
309	1-889-097-11	FP-2184 FLEXIBLE BOARD
310	3-283-643-21	SCREW, TRIPOD (Note 4)
311	4-476-673-31	COVER (C (441)), HINGE
312	X-2585-819-1	HINGE (Y (409)) ASSY, T TYPE
313	1-471-573-11	MAGNET (Note 2)
314	3-283-835-01 *	CUSHION, SP
315	A-2067-229-A	CABINET (R) ASSY (217)
316	4-446-014-01	TAPE AS (2040) (Note 5)
317	4-476-578-11	COVER (M (441)), HINGE
BH4500	1-251-928-21	SOCKET, BATTERY (Note 3)
BT4500	1-756-134-16	BATTERY, LITHIUM (SECONDARY) (Note 3)

LCD901	1-811-218-61	LCD MODULE
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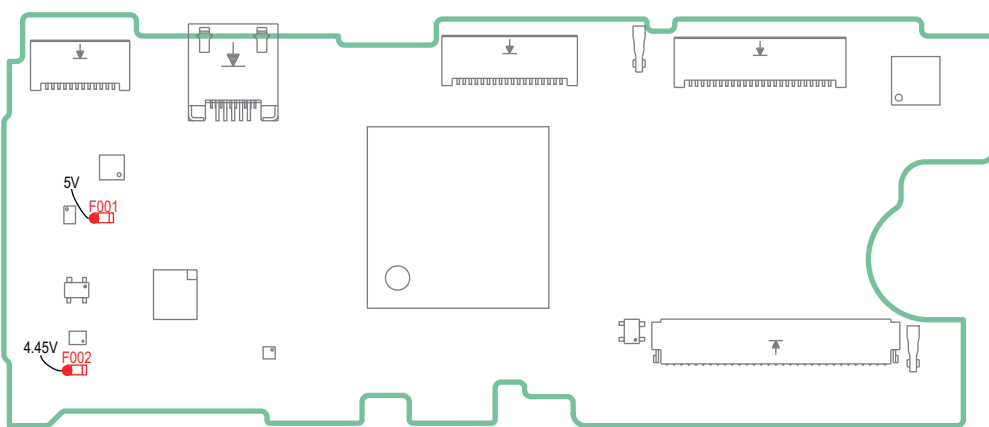
Ref. No. or Q'ty	Part No.	SP Description
#2	2-635-562-31	SCREW (M1.7)
#11	3-078-890-11	SCREW, TAPPING
#288	2-187-345-21	SCREW (M1.7), P2 (Note 1)

5-3. Fuse

VC-1023 BOARD (SIDE A)

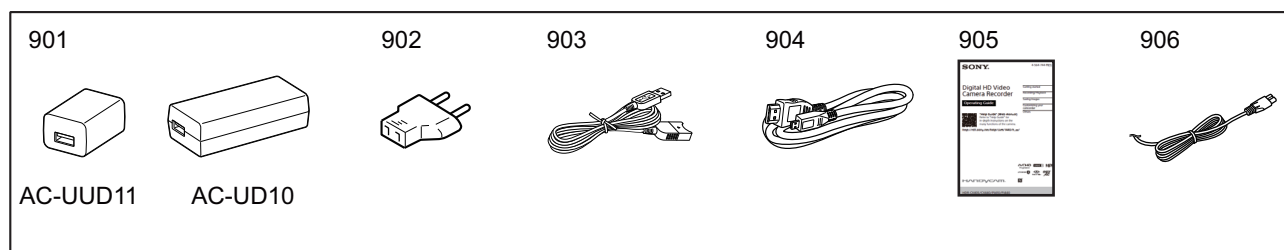


VC-1023 BOARD (SIDE B)



Ref. No. or Q'ty	Part No.	SP Description
F001	△ 1-576-844-31	FUSE (2.5A/24V)
F002	△ 1-576-842-31 *	FUSE (0.63A/32V)
F003	△ 1-533-981-31	FUSE (2A/24V)

5-4. Accessories



This Item is not supplied with the unit as an accessory, but it is prepared as a service part.
When the customer requests printed one, ask Head Quarter.

941



Ref. No.
or Q'ty **Part No.** **SP Description**

901	△ 1-489-928-52	AC Adaptor (AC-UD10) (IN5)
901	△ 1-492-769-32	AC Adaptor (AC-UUD11) (KR2)
901	△ 1-492-769-52	AC Adaptor (AC-UUD11) (CEN, CEL, E35, E37)
901	△ 1-492-770-12	AC Adaptor (AC-UUD11) (AU2)
901	△ 1-492-771-22	AC Adaptor (AC-UUD11) (CEH, EA8, HK1)
901	△ 1-492-796-12	AC Adaptor (AC-UUD11) (U2, UC2, CA2, E23)
901	△ 1-492-796-21	AC Adaptor (AC-UUD11) (CN1)
902	△ 1-569-007-13	Conversion (2P) Adaptor (E23)
903	1-838-714-31	USB connection support cable
904	1-846-028-21	HDMI cable
905	4-564-744-13 *	Operating Guide (ENGLISH)
905	4-564-744-21 *	Operating Guide (FRENCH)
905	4-564-744-31 *	Operating Guide (SPANISH)
905	4-564-744-41 *	Operating Guide (TRADITIONAL CHINESE)
905	4-564-745-11 *	Operating Guide (KOREAN)
905	4-564-746-11 *	Operating Guide (GERMAN, DUTCH, ITALIAN, PORTUGUESE)
905	4-564-746-21 *	Operating Guide (POLISH, CZECH, HUNGARIAN, GREEK)
905	4-564-746-31 *	Operating Guide (SWEDISH, DANISH, FINNISH, SLOVAK, ROMANIAN)
905	4-564-746-41 *	Operating Guide (RUSSIAN, UKRAINIAN)
905	4-564-746-61 *	Operating Guide (ARABIC, PERSIAN)
905	4-564-746-71 *	Operating Guide (TURKISH)
905	4-564-747-31 *	Operating Guide (SIMPLIFIED CHINESE)
906	△ 1-848-142-11	Power cord (mains lead) (IN5)

Ref. No.
or Q'ty **Part No.** **SP Description**

△ 8-022-359-31	Rechargeable battery pack NP-BX1/UC (U2, UC2, CA2)
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Ref. No.
or Q'ty **Part No.** **SP Description**

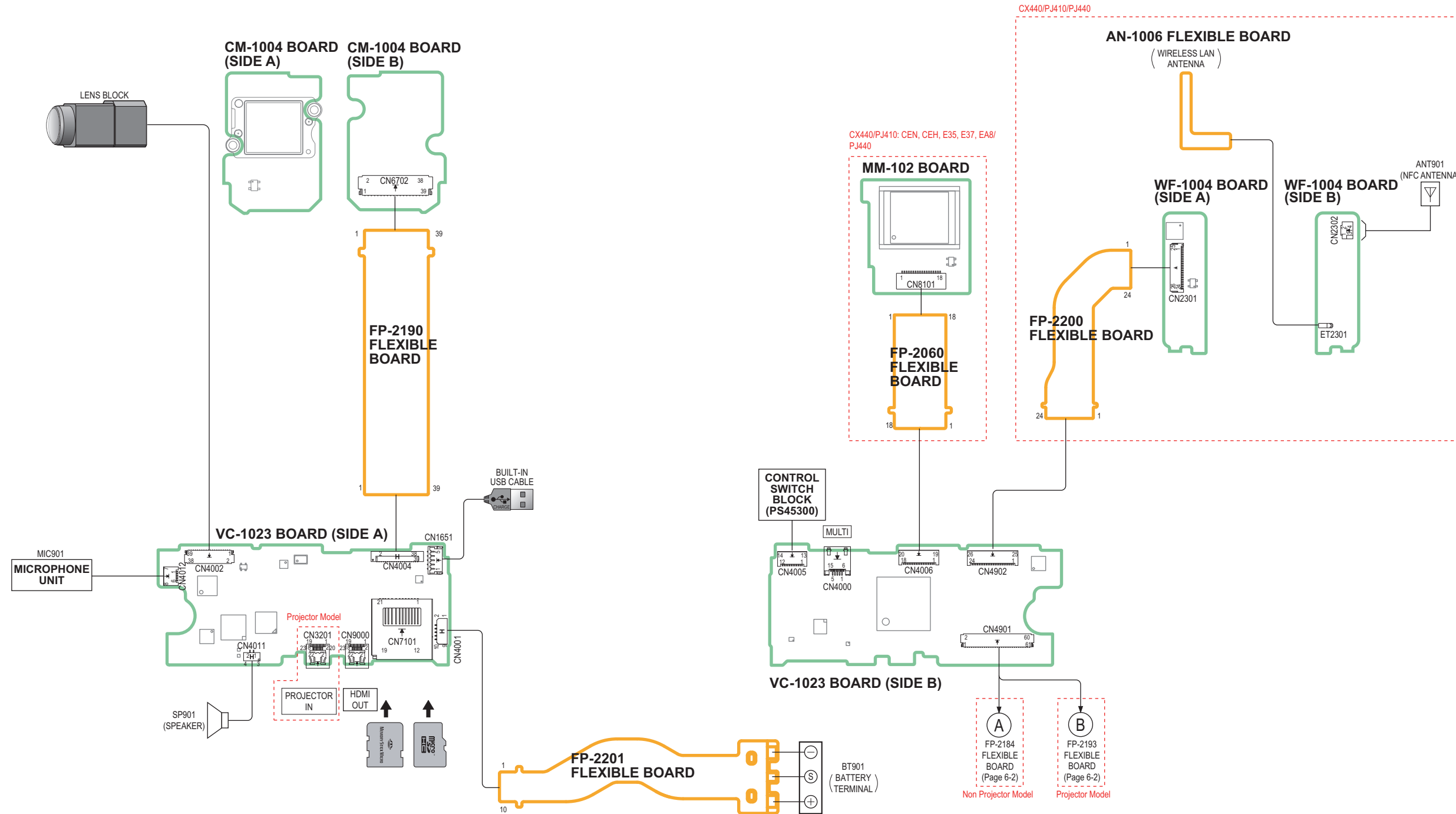
△ 8-022-359-50	Rechargeable battery pack NP-BX1/CE (CEN, CEH, E23, E35, E37, EA8, AU2, KR2, HK1, IN5)
△ 8-022-359-55	Rechargeable battery pack NP-BX1/RU (CEL)
△ 8-022-359-71	Rechargeable battery pack NP-BX1/CN (CN1)

Ref. No.
or Q'ty **Part No.** **SP Description**

941	4-564-748-11 *	Help Guide (ENGLISH)
941	4-564-748-21 *	Help Guide (FRENCH)
941	4-564-748-31 *	Help Guide (ITALIAN)
941	4-564-748-41 *	Help Guide (SPANISH)
941	4-564-748-51 *	Help Guide (PORTUGUESE)
941	4-564-748-61 *	Help Guide (GERMAN)
941	4-564-748-71 *	Help Guide (DUTCH)
941	4-564-748-81 *	Help Guide (SWEDISH)
941	4-564-749-11 *	Help Guide (RUSSIAN)
941	4-564-749-21 *	Help Guide (UKRAINIAN)
941	4-564-749-31 *	Help Guide (GREEK)
941	4-564-749-41 *	Help Guide (ROMANIAN)
941	4-564-749-51 *	Help Guide (POLISH)
941	4-564-749-61 *	Help Guide (CZECH)
941	4-564-749-71 *	Help Guide (HUNGARIAN)
941	4-564-749-81 *	Help Guide (SLOVAK)
941	4-564-749-91 *	Help Guide (DANISH)
941	4-564-750-11 *	Help Guide (FINNISH)
941	4-564-750-21 *	Help Guide (TURKISH)
941	4-564-750-31 *	Help Guide (SIMPLIFIED CHINESE)
941	4-564-750-41 *	Help Guide (TRADITIONAL CHINESE)
941	4-564-750-51 *	Help Guide (KOREAN)
941	4-564-750-61 *	Help Guide (ARABIC)
941	4-564-750-71 *	Help Guide (PERSIAN)
941	4-564-750-81 *	Help Guide (INDONESIAN)
941	4-564-750-91 *	Help Guide (THAI)

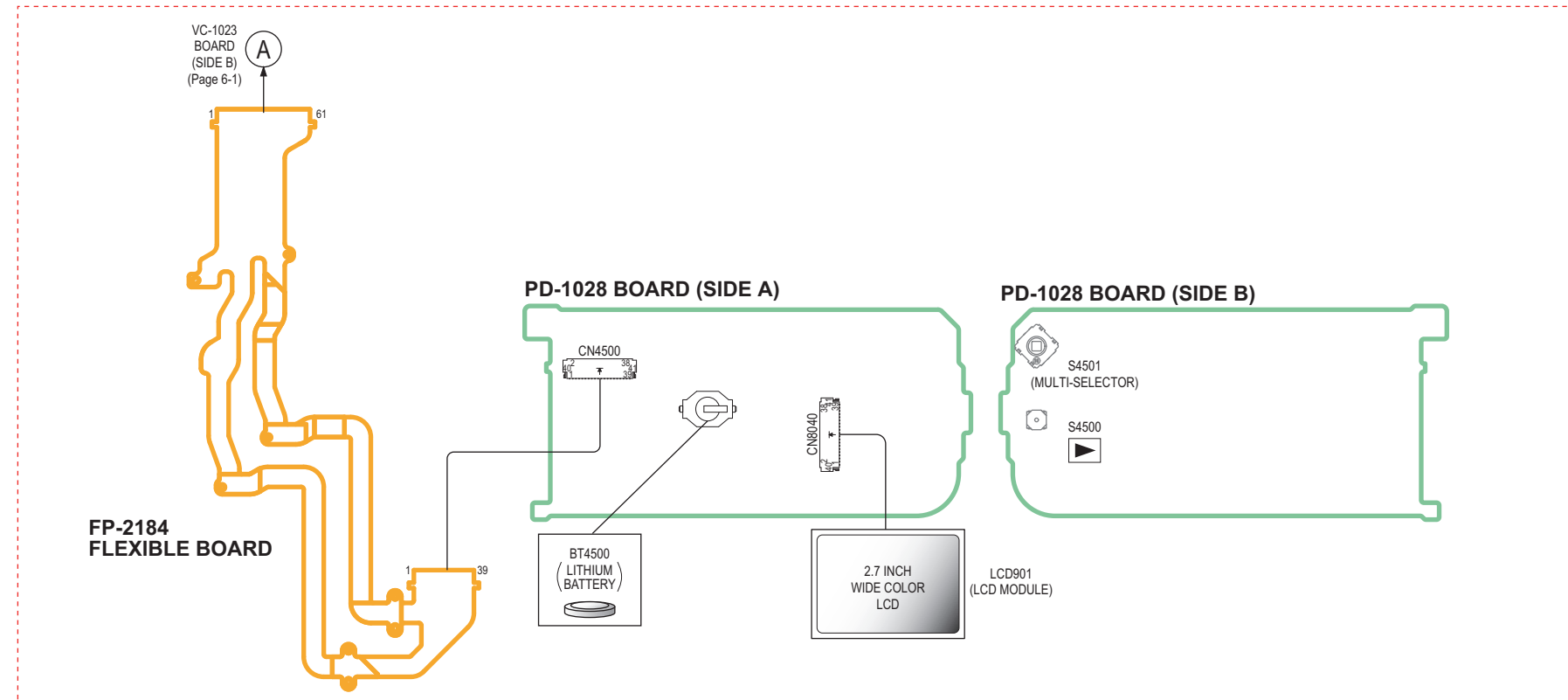
Section 6 Frame Schematic Diagrams

Frame Wiring (1/2)

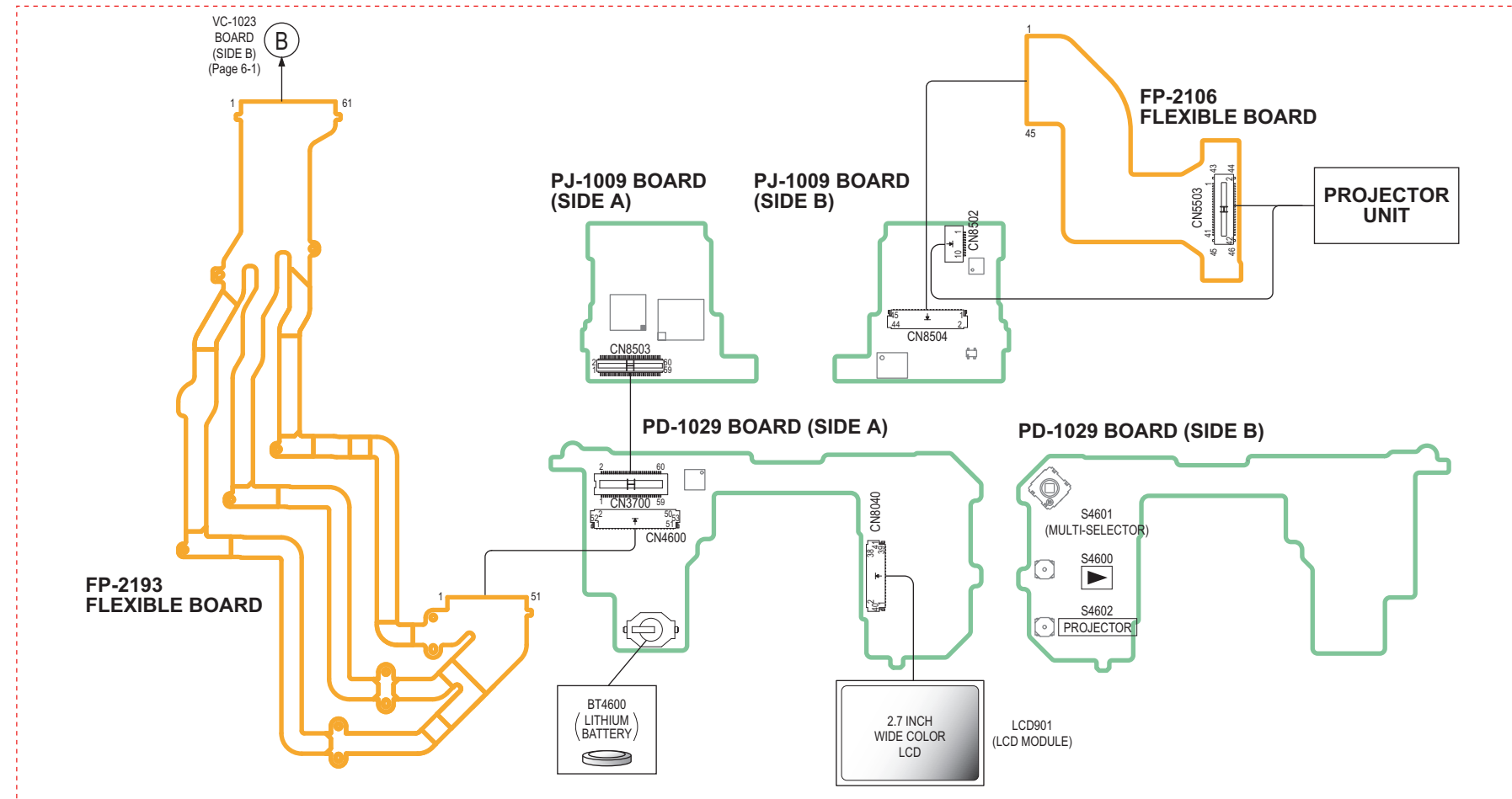


Frame Wiring (2/2)

Non Projector Model



Projector Model



Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2023.12	Official Release	—	—

HDR-CX405
HDR-CX440
HDR-PJ410
HDR-PJ440
9-896-718-61

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