

DSC-H7/H9

SERVICE MANUAL

LEVEL 2

Ver 1.4 2007.09

Revision History

Revised-2

Replace the previously issued SERVICE MANUAL 9-852-203-32 with this Manual.

Internal memory
ON BOARD



Photo: DSC-H7 Black Model

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Argentine Model
Brazilian Model
Tourist Model
Japanese Model

Link

SPECIFICATIONS	BLOCK DIAGRAMS	PRINTED WIRING BOARDS
SERVICE NOTE	FRAME SCHEMATIC DIAGRAMS	REPAIR PARTS LIST
DISASSEMBLY	SCHEMATIC DIAGRAMS	

• Precaution on Replacing the SY-177 Board

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.

DIGITAL STILL CAMERA

SONY®



Cyber-shot



SPECIFICATIONS

Camera

[System]

Image device: 7.18 mm (1/2.5 type) color CCD, Primary color filter
Total pixel number of camera: Approx. 8 286 000 pixels
Effective pixel number of camera: Approx. 8 083 000 pixels
Lens: Carl Zeiss Vario-Tessar 15× zoom lens f =5.2 – 78 mm (31 – 465 mm when converted to a 35 mm still camera) F2.7 – 4.5
Exposure control: Automatic exposure, Shutter speed priority, Aperture priority, Manual exposure, Scene Selection (9 modes)
White balance: Automatic, Daylight, Cloudy, Fluorescent 1,2,3, Incandescent, Flash, One push
File format (DCF compliant): Still images: Exif Ver. 2.21 JPEG compliant, DPOF compatible
Movies: MPEG1 compliant (Monaural)
Recording media: Internal Memory (approx. 31 MB), “Memory Stick Duo”
Flash: Flash range (ISO sensitivity (Recommended exposure value) set to ISOAUTO): approx. 0.2 to 9.8 m (7 7/8 inches to 32 feet 1 7/8 inches) (W)/ approx. 1.2 to 6.0 m (3 feet 11 1/4 inches to 19 feet 8 1/4 inches) (T)
Viewfinder: Electric viewfinder (color)

[Input and Output connectors]

Multi connector Video output
Audio output (Monaural)
USB communication
USB communication: Hi-Speed USB (USB 2.0 compliant)

[LCD screen]

LCD panel: DSC-H9: 7.5 cm (3.0 type) TFT drive
DSC-H7: 6.2 cm (2.5 type) TFT drive
Total number of dots: DSC-H9: 230 400 (960 × 240) dots
DSC-H7: 115 200 (480 × 240) dots

[Finder]

Panel: 0.5 cm (0.2 type) color
Total number of dots: Approx. 200 000 dots equivalent

[Power, general]

Power: Rechargeable battery pack NP-BG1, 3.6 V
AC-LS5K AC Adaptor (not supplied), 4.2 V
Power consumption (during shooting with the LCD screen): DSC-H9: 1.2 W
DSC-H7: 1.1 W
Operating temperature: 0 to 40°C (32 to 104°F)
Storage temperature: -20 to +60°C (-4 to +140°F)
Dimensions: 109.5 × 83.4 × 85.7 mm (4 3/8 × 3 3/8 × 3 3/8 inches) (W/H/D, excluding protrusions) (for both DSC-H9 and DSC-H7)
Mass: DSC-H9: Approx. 546 g (1 lb 3.3 oz) (including NP-BG1 battery pack, shoulder strap, adaptor ring, lens hood and lens cap, etc.)
DSC-H7: Approx. 514 g (1 lb 2.1 oz) (including NP-BG1 battery pack, shoulder strap, adaptor ring, lens hood and lens cap, etc.)
Microphone: Monaural
Speaker: Monaural
Exif Print: Compatible
PRINT Image Matching III: Compatible
PictBridge: Compatible

BC-CSG/BC-CSGB/BC-CSGC battery charger

Power requirements: AC 100 V to 240 V, 50/60 Hz, 2 W (BC-CSG/BC-CSGC)/ 2.6 W (BC-CSGB)
Output voltage: DC 4.2 V, 0.25 A
Operating temperature: 0 to 40°C (32 to 104°F)
Storage temperature: -20 to +60°C (-4 to +140°F)
Dimensions: Approx. 62 × 24 × 91 mm (2 1/2 × 31/32 × 3 5/8 inches) (W/H/D)
Mass: Approx. 75 g (2.7 oz)

Rechargeable battery pack NPBG1

Used battery: Lithium-ion battery
Maximum voltage: DC 4.2 V
Nominal voltage: DC 3.6 V
Capacity: 3.4 Wh (960 mAh)

Design and specifications are subject to change without notice.

Model information table

Model	DSC-H7/Silver	DSC-H7/Black	DSC-H9/Silver	DSC-H9/Black
Destination	US, CND, AEP, UK, E, AUS, HK, CH, KR, AR, J, JE	US, CND, AEP, UK, E, AUS, HK, CH, KR, J, JE	US, CND, AEP, UK, E, AUS, HK, CH, KR, JE	US, CND, AEP, UK, E, AUS, HK, CH, KR, AR, BR, JE
LCD	2.5 inch	2.5 inch	3.0 inch	3.0 inch
CK board	CK-180, CK-181	CK-180, CK-181	CK-179, CK-182	CK-179, CK-182
MS board	MS-364	MS-364	MS-366	MS-366
PL board	PL-046	PL-046	PL-047	PL-047
SW board	SW-500	SW-500	SW-499	SW-499

• Abbreviation

AR : Argentine model HK : Hong Kong model
AUS : Australian model J : Japanese model
BR : Brazilian model JE : Tourist model
CH : Chinese model KR : Korea model
CND : Canadian model

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ 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 $\triangle$ 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.

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
 - Keep the temperature of the soldering iron around 270°C during repairing.
 - 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

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

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350°C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
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.
- Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
1.	SERVICE NOTE	
1-1.	Precaution on Replacing the SY-177 Board	1-1
1-2.	Self-diagnosis Function	1-1
1-3.	Process After Fixing Flash Error	1-2
1-4.	Method for Copying or Erasing the Data in Internal Memory	1-3
1-5.	How to Write Data to Internal Memory	1-4
2.	DISASSEMBLY	
2-1.	Disassembly	2-2
3.	BLOCK DIAGRAMS	
3-1.	Overall Block Diagram (1/2)	3-1
3-2.	Overall Block Diagram (2/2)	3-2
3-3.	Power Block Diagram (1/2)	3-3
3-4.	Power Block Diagram (2/2)	3-4
4.	PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS	
4-1.	Frame Schematic Diagram	4-1
4-2.	Schematic Diagrams	4-2
4-3.	Printed Wiring Boards	4-22
5.	REPAIR PARTS LIST	
5-1.	Exploded Views	5-2
5-2.	Electrical Parts List	5-10

1. SERVICE NOTE

1-1. PRECAUTION ON REPLACING THE SY-177 BOARD

DESTINATION DATA

When you replace to the repairing board, the written destination data of repairing board also might be changed to original setting. Refer to Service Manual ADJ, and perform "DESTINATION DATA WRITE".

USB SERIAL No.

The set is shipped with a unique ID (USB Serial No.) written in it.

This ID has not been written in a new board for service, and therefore it must be entered after the board replacement.

Refer to Service Manual ADJ, and perform "USB SERIAL No. INPUT".

1-2. SELF-DIAGNOSIS FUNCTION

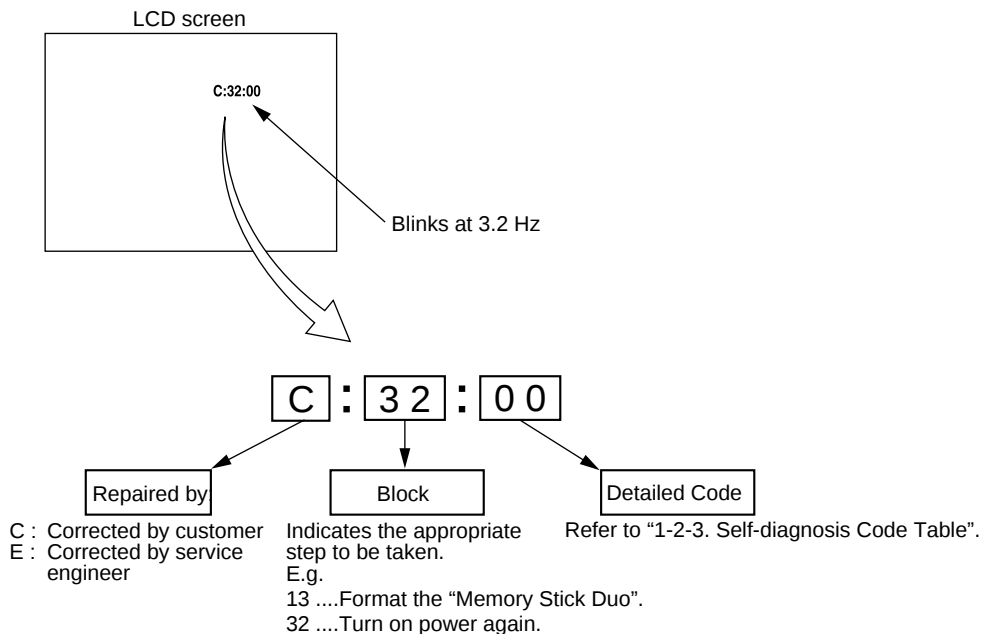
1-2-1. Self-diagnosis Function

When problems occur while the unit is operating, the self-diagnosis function starts working, and displays on the LCD screen what to do.

Details of the self-diagnosis functions are provided in the Instruction manual.

1-2-2. Self-diagnosis Display

When problems occur while the unit is operating, the LCD screen shows a 4-digit display consisting of an alphabet and numbers, which blinks at 3.2 Hz. This 5-character display indicates the "repaired by:", "block" in which the problem occurred, and "detailed code" of the problem.



1-2-3. Self-diagnosis Code Table

Self-diagnosis Code			Symptom/State	Correction
Repaired by:	Block Function	Detailed Code		
C	1 3	0 1	The internal memory has experienced a format error.	Format the internal memory.
			“Memory Stick Duo” is unformatted.	Format the “Memory Stick Duo”.
			“Memory Stick Duo” is broken.	Insert a new “Memory Stick Duo”.
			“Memory Stick Duo” type error	Insert a supported “Memory Stick Duo”.
			The camera cannot read or write data on the “Memory Stick Duo”.	Turn the power off and on again, or taking out and inserting the “Memory Stick Duo” several times.
C	3 2	0 1	Trouble with hardware	Turn the power off and on again.
E	6 1	0 0	Difficult to adjust focus (Cannot initialize focus)	Retry turn the power on by the power switch. If it does not recover, check the focus reset sensor of lens block (pin ②⑦ of CN401 on the SY-177 board). If it is OK, check the focus motor drive IC (IC401 on the SY-177 board).
E	6 1	1 0	Zoom operations fault (Cannot initialize zoom lens.)	Retry turn the power on by the power switch. Check the zoom reset sensor of lens block (pin ①⑦ of CN401 on the SY-177 board), if zooming is performed when the zoom button is operated. If it is OK, check the zoom motor drive IC (IC401 on the SY-177 board).
E	6 2	0 2	Abnormality of IC for steadyspot.	Check or replacement of the IC for steadyspot (IC503 on the SY-177 board).
E	6 2	1 0	Lens initializing failure.	Check or replacement of the IC for steadyspot (IC503 on the SY-177 board).
E	6 2	1 1	Lens overheating (PITCH).	Check the HALL element (PITCH) of optical image stabilizer (pin ③⑤, ③⑦ of CN401 on the SY-177 board). If it is OK, check PITCH angular velocity sensor (SE501 on the SY-177 board) peripheral circuits.
E	6 2	1 2	Lens overheating (YAW).	Check the HALL element (YAW) of optical image stabilizer (pin ③⑥, ③② of CN401 on the SY-177 board). If it is OK, check YAW angular velocity sensor (SE502 on the SY-177 board) peripheral circuits.
E	6 2	2 0	Abnormality of thermistor.	Check the OIS temp sensor of optical image stabilizer (pin ③④ of CN401 on the SY-177 board).
E	9 1	0 1	Abnormality when flash is being charged.	Checking of flash unit or replacement of flash unit. (Note)
E	9 2	0 0	Non-standard battery is used.	Use the compatible battery only.

Note: After repair, be sure to perform “1-3. PROCESS AFTER FIXING FLASH ERROR”.

1-3. PROCESS AFTER FIXING FLASH ERROR

When “FLASH error” (Self-diagnosis Code E : 91 : 01) occurs, to prevent any abnormal situation caused by high voltage, setting of the flash is changed automatically to disabling charge and flash setting.

After fixing, this setting needs to be deactivated. Flash error code can be initialized by the operations on the HOME screen.

Method for Initializing the Flash Error Code

Initialize

Initializes the setting to the default setting. Even if you execute this function, the images stored in the internal memory are retained.

- ① Select [Initialize] with ▲/▼/◀/▶, then press ●.
The message “Initialize all settings” appears.
- ② Select [OK] with ▲, then press ●.
The settings are reset to the default setting.

To cancel the resetting

Select [Cancel] in step ②, then press ●.

- Make sure that the power is not disconnected during resetting.

1-4. METHOD FOR COPYING OR ERASING THE DATA IN INTERNAL MEMORY

The data can be copied/erased by the operations on the HOME screen. (When erasing the data, execute formatting the internal memory.)

Note: When replacing the SY-177 board, erase the data in internal memory of the board before replacement.

Method for Copying the Data in Internal Memory

Copy

Copies all images in the internal memory to a “Memory Stick Duo”.

- ① Insert a “Memory Stick Duo” having 32 MB or larger capacity.
- ② Select [Copy] with ▲/▼/◀/▶ on the control button, then press ●.
The message “All data in internal memory will be copied” appears.
- ③ Select [OK] with ▲, then press ●.
Copying starts.

To cancel the copying

Select [Cancel] in step ③, then press ●.

- Use a fully charged battery pack. If you attempt to copy image files using a battery pack with little remaining charge, the battery pack may run out, causing copying to fail or possibly corrupting the data.
- You cannot copy individual images.
- The original images in the internal memory are retained even after copying. To delete the contents of the internal memory, remove the “Memory Stick Duo” after copying, then execute the [Format] command in [Internal Memory Tool].
- When you copy the data in the internal memory to the “Memory Stick Duo”, all the data will be copied. You cannot choose a specific folder on the “Memory Stick Duo” as the destination for the data to be copied.
- Even if you copy data, a DPOF (Print order) mark is not copied.

Method for Formatting the Internal Memory

This item does not appear when a “Memory Stick Duo” is inserted in the camera.

Format

Formats the internal memory.

- Note that formatting irrevocably erases all data in the internal memory, including even protected images.

- ① Select [Format] with ▲/▼/◀/▶ on the control button, then press ●.
The message “All data in internal memory will be erased” appears.
- ② Select [OK] with ▲, then press ●.
The format is completed.

To cancel the formatting

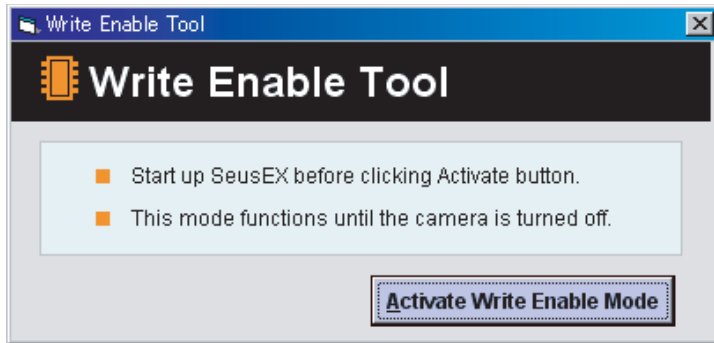
Select [Cancel] in step ②, then press ●.

1-5. HOW TO WRITE DATA TO INTERNAL MEMORY

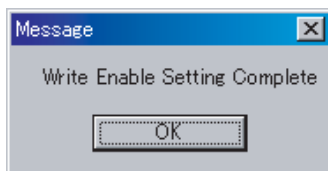
Usually, the camera has been set so as to disable the data writing from the PC to the internal memory of the camera. This setting must be changed temporarily when the data is to be written to the internal memory such as a case after the board replacement. To change the setting, use the write enable tool “WriteEnableTool.exe”.

Data writing method

- 1) Connect the PC to the camera (USB mode: Mass Storage), and switch the driver to the “Sony Seus USB Driver”.
- 2) Start the Write Enable Tool and the SeusEX.
- 3) Click the Activate Write Enable Mode button of the Write Enable Tool.



- 4) Upon completion of the setting change, the following message will be displayed.



- 5) Return the driver to the original one, and connect the PC to the camera (USB mode: Mass Storage).
- 6) Write the data read out into the PC to the internal memory of the camera.
- 7) Disconnect the PC from the camera, and turn off the camera.

Note: By turning off the camera, the write enable setting is reset.

1. サービスノート

1-1. SY-177基板交換時の注意

仕向けデータ

補修用基板と交換する時、補修用基板に書かれている仕向けデータは元の設定と違う場合があります。
ADJ編を参照して、「DESTINATION DATA WRITE」を行ってください。

USBシリアルNo.

セットは、1台毎に異なる固有のID (USB Sereal No.) を書き込んだ後、出荷されています。
新品の補修用基板には、このIDが書き込まれていないので、基板交換後にIDを入力する必要があります。
ADJ編を参照して、「USB SERIAL No. INPUT」を行ってください。

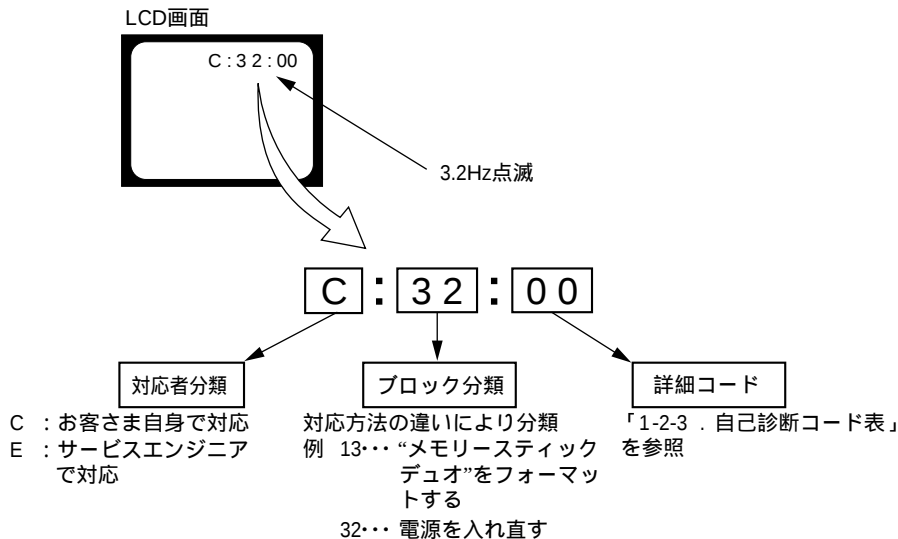
1-2. 自己診断機能

1-2-1. 自己診断機能について

本機の動作に不具合が生じたとき、自己診断機能が働き、LCD画面に、どう処置したらよいか判断できる表示を行います。自己診断機能については取扱説明書にも掲載されています。

1-2-2. 自己診断表示

本機の動作に不具合が生じたとき、LCD画面にアルファベットと4桁の数字が表示され、3.2Hzで点滅します。この5文字の表示によって対応者分類および不具合の生じたブロックの分類、不具合の詳細コードを示します。



1-2-3. 自己診断コード表

自己診断コード			症状 / 状態	対応 / 方法
対応者	ブロック機能	詳細コード		
C	1 3	0 1	内蔵メモリにフォーマットエラーがあった。	内蔵メモリをフォーマットする。
			フォーマットしていない“メモリースティック デュオ”を入れた。	“メモリースティック デュオ”をフォーマットする。
			“メモリースティック デュオ”が壊れている。	新しい“メモリースティック デュオ”に交換する。
			“メモリースティック デュオ”のタイプエラーを検出した。	規格内の“メモリースティック デュオ”を挿入する。
			“メモリースティック デュオ”が読み / 書きできない。	電源の入れ直し, または“メモリースティック デュオ”の挿し / 外しを数回試す。
C	3 2	0 1	ハードウェアトラブルを検出した。	電源を入れ直す。
E	6 1	0 0	フォーカスが合いにくい。 (フォーカスの初期化ができない)	操作スイッチの電源を入れ直す。 復帰しない場合はレンズブロックのフォーカスリセットセンサ (SY-177基板CN401⑳ピン) を点検する。異常なければフォーカスマータ駆動IC (SY-177基板IC401) を点検する。
E	6 1	1 0	ズーム動作の異常。 (ズームレンズの初期化ができない)	操作スイッチの電源を入れ直す。 ズームボタンを操作したときにズーム動作をすればレンズブロックのズームリセットセンサ (SY-177基板CN401⑰ピン) を点検する。異常なければズームモータ駆動IC (SY-177基板IC401) を点検する。
E	6 2	0 2	手振れ補正用ICの異常。	手振れ補正用IC (SY-177基板IC503) を点検または交換する。
E	6 2	1 0	手振れ補正用ICの異常。 (レンズ初期化異常)	手振れ補正用IC (SY-177基板IC503) を点検または交換する。
E	6 2	1 1	レンズオーバーヒート (PITCH)	光学手振れ補正ブロックのホール素子 (PITCH X SY-177基板CN401㉔, ㉕ピン) を点検する。異常なければPITCH角速度センサ (SY-177基板SE501) 周辺の回路を点検する。
E	6 2	1 2	レンズオーバーヒート (YAW)	光学手振れ補正ブロックのホール素子 (YAW X SY-177基板CN401㉖, ㉗ピン) を点検する。異常なければYAW角速度センサ (SY-177基板SE502) 周辺の回路を点検する。
E	6 2	2 0	サーミスタの異常。	光学手振れ補正ブロックのサーミスタ (SY-177基板CN401㉘ピン) を点検する。
E	9 1	0 1	フラッシュの充電異常。	フラッシュユニットを点検または交換する。(Note)
E	9 2	0 0	規定外の充電電池が使用された。	規定の充電電池を使用する。

Note : 交換後は, 必ず「1-3. フラッシュ異常修理後の処置」を行って下さい。

1-3. フラッシュエラー発生時の対処法

本機はフラッシュエラー（自己診断コードE：91：01）が発生した場合、高電圧による異常を防止するために自動的にフラッシュ充電および発光禁止の設定になります。

フラッシュエラー発生後はエラーの解除を行う必要があります。エラーの解除はホーム画面から初期化操作を実行することにより行います。

設定リセット

お買い上げ時の設定に戻します。
「設定リセット」を実行しても、内蔵メモリーに記録されている画像は削除されません。

- ① コントロールボタンの▲/▼/◀/▶で「設定リセット」を選び、中央の●を押す。
「全ての設定内容をリセットします」というメッセージが表示される。
- ② ▲で「実行」を選び、中央の●を押す。
設定リセットが実行される。

設定リセットを中止するには
手順②で、「キャンセル」を選び、中央の●を押す。

設定リセット中は電源が切れないようにご注意ください。

1-4. 内蔵メモリのデータコピーおよび消去方法

内蔵メモリのデータコピーまたは消去はホーム画面の操作から実行可能です。（消去する場合は内蔵メモリの初期化を行います。）

Note: SY-177基板交換の際は、基板交換前に内蔵メモリのデータを消去して下さい。

内蔵メモリのコピー方法

コピー

内蔵メモリーに記録した画像を、“メモリースティック デュオ”に一括コピーします。

- ① 32MB以上の容量のある“メモリースティック デュオ”を本体に入れる。
- ② コントロールボタンの▲/▼/▶/◀で「コピー」を選び、中央の●を押す。
「内蔵メモリーのデータがすべてコピーされます」というメッセージが表示される。
- ③ ▲で「実行」を選び、中央の●を押す。
コピーが実行される。

コピーを中止するには
手順③で、「キャンセル」を選び、中央の●を押す。

* 十分に充電したバッテリーをご使用ください。残量の少ないバッテリーを使用して画像ファイルをコピーすると、バッテリー切れのため、データを転送できなかったり、データを破損するおそれがあります。

* 画像ごとのコピーはできません。

* データをコピーしても、内蔵メモリー内のデータは削除されません。内蔵メモリーの内容を消去するには、コピー後に“メモリースティック デュオ”を本体から取りはずし、「 内蔵メモリーツール」の「フォーマット」を行ってください。

* データをコピーすると、“メモリースティックデュオ”内に新しいフォルダが作成されます。コピー先のフォルダを指定することはできません。

* データのコピーを行っても、DPOF（プリント予約）マークの設定はコピーされません。

内蔵メモリのフォーマット方法

“メモリースティック デュオ”が本機に入っている場合は表示されません。

フォーマット

内蔵メモリーの管理領域をフォーマット（初期化）します。

フォーマットすると、プロテクトしてある画像も含めて、すべてのデータが消去され、元に戻せません。

- ① コントロールボタンの▲/▼/▶/◀で「フォーマット」を選び、中央の●を押す。
「内蔵メモリーのデータがすべて消去されます」というメッセージが表示される。
▲で「実行」を選び、中央の●を押す。
- ② フォーマットが実行される。

フォーマットを中止するには
手順②で、「キャンセル」を選び、中央の●を押す。

1-5. 内蔵メモリヘデータを書き戻す方法

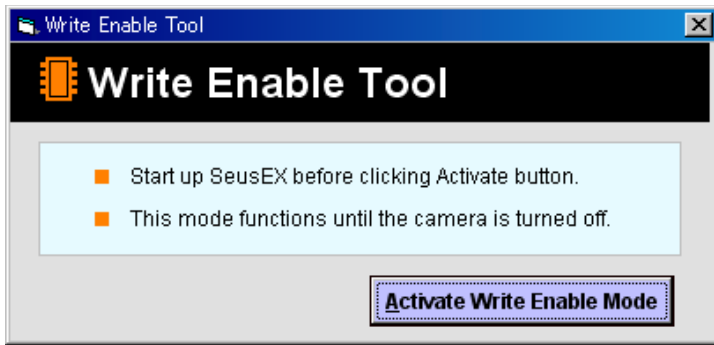
通常は、PCからカメラの内蔵メモリヘデータを書き込むことはできない設定になっています。

基板交換後などに、内蔵メモリヘデータを書き戻す場合には、この設定を一時的に変更する必要があります。

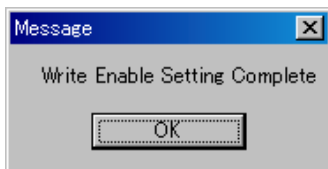
設定の変更には、書き込み許可ツール(Write Enable Tool.exe)を使用します。

書き戻し方法

- 1) カメラとPCをマストレージ接続し、ドライバを"Sony Seus USB Driver"に切り替える。
- 2) 書き込み許可ツールとSeusEXを起動する。
- 3) 書き込み許可ツールの[Activate Write Enable Mode]ボタンをクリックする。



- 4) 設定の変更が終了すると、次のメッセージが表示されます。



- 5) ドライバを元に戻して、カメラとPCをマストレージ接続する。
- 6) PCに読み出しておいたデータをカメラの内蔵メモリに書き込む。
- 7) カメラとPCの接続を解除し、カメラの電源をOFFにする。

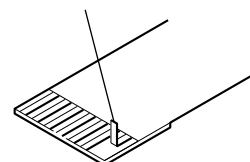
注意：カメラの電源をOFFにすることにより、書き込み許可の設定が解除されます。

2. DISASSEMBLY

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 DD-272 BOARD'S CHARGING CAPACITOR (C205)

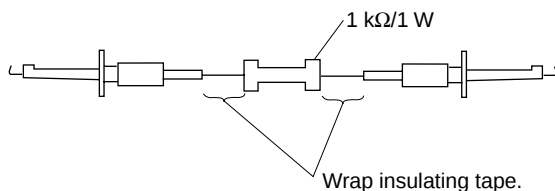
The charging capacitor (C205) of the DD-272 board is charged up to the maximum 300 V potential.

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).

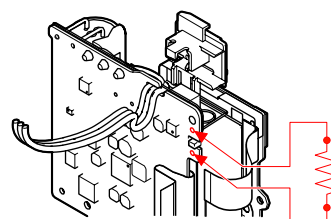
Wrap insulating tape fully around the leads of the resistor to prevent electrical shock.



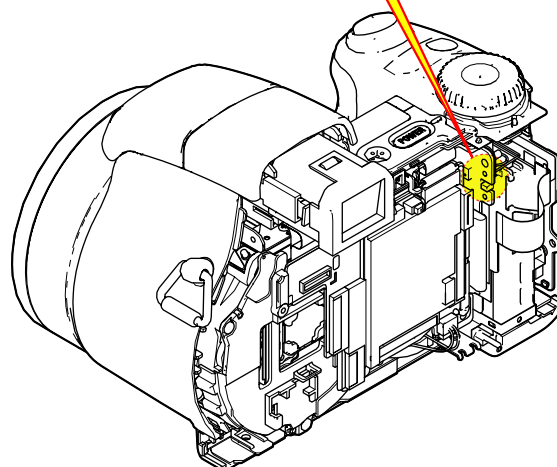
Note: High-voltage cautions

Discharging the Capacitor

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



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



2-1. DISASSEMBLY

EXPLODED VIEW

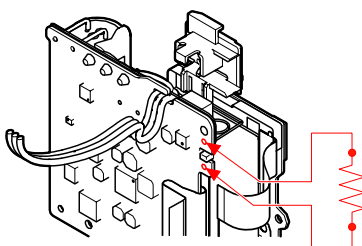
HARDWARE LIST

2-1-1. CABINET(REAR) BLOCK ASSY AND JK-338 FLEXIBLE BOARD (DSC-H7)

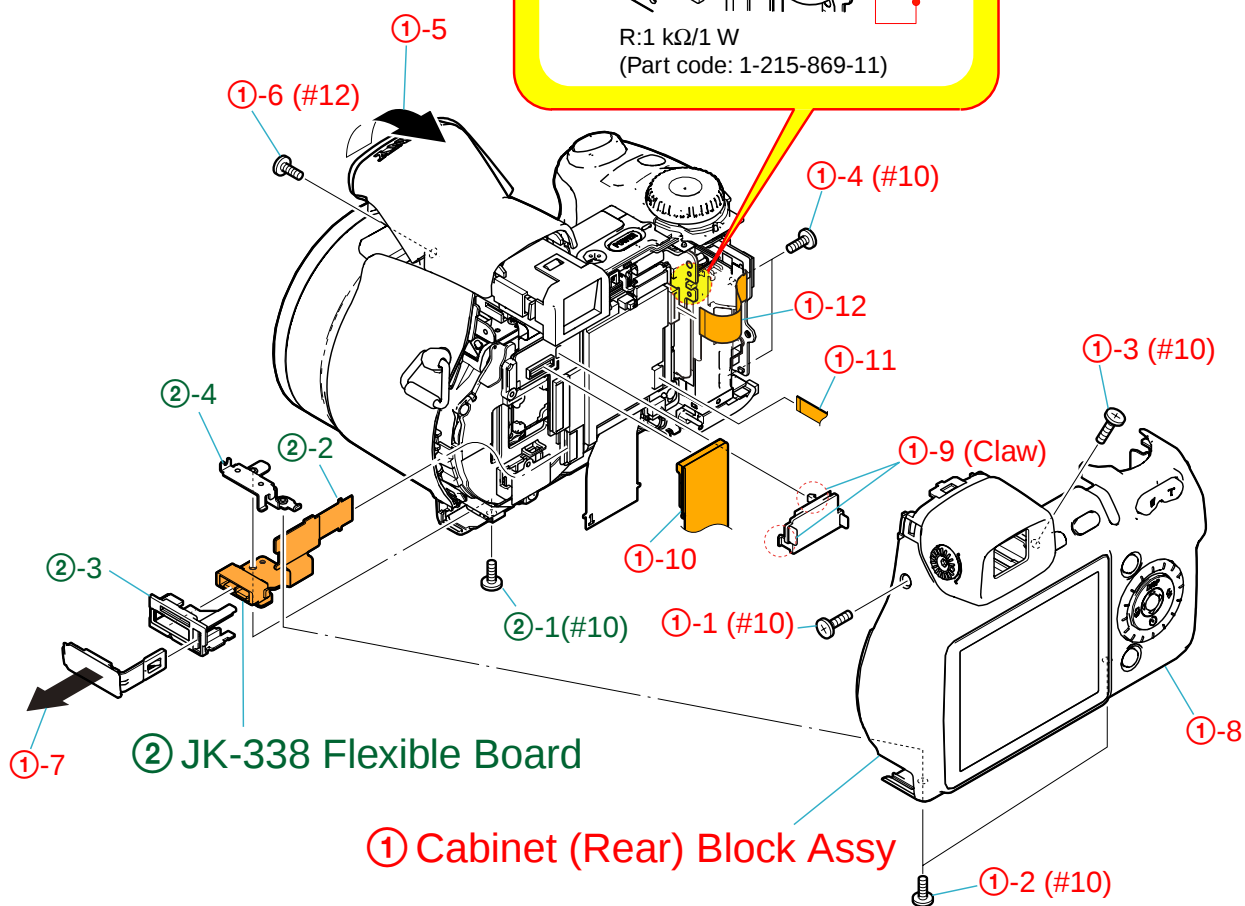
Note: High-voltage cautions

Discharging the Capacitor

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



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

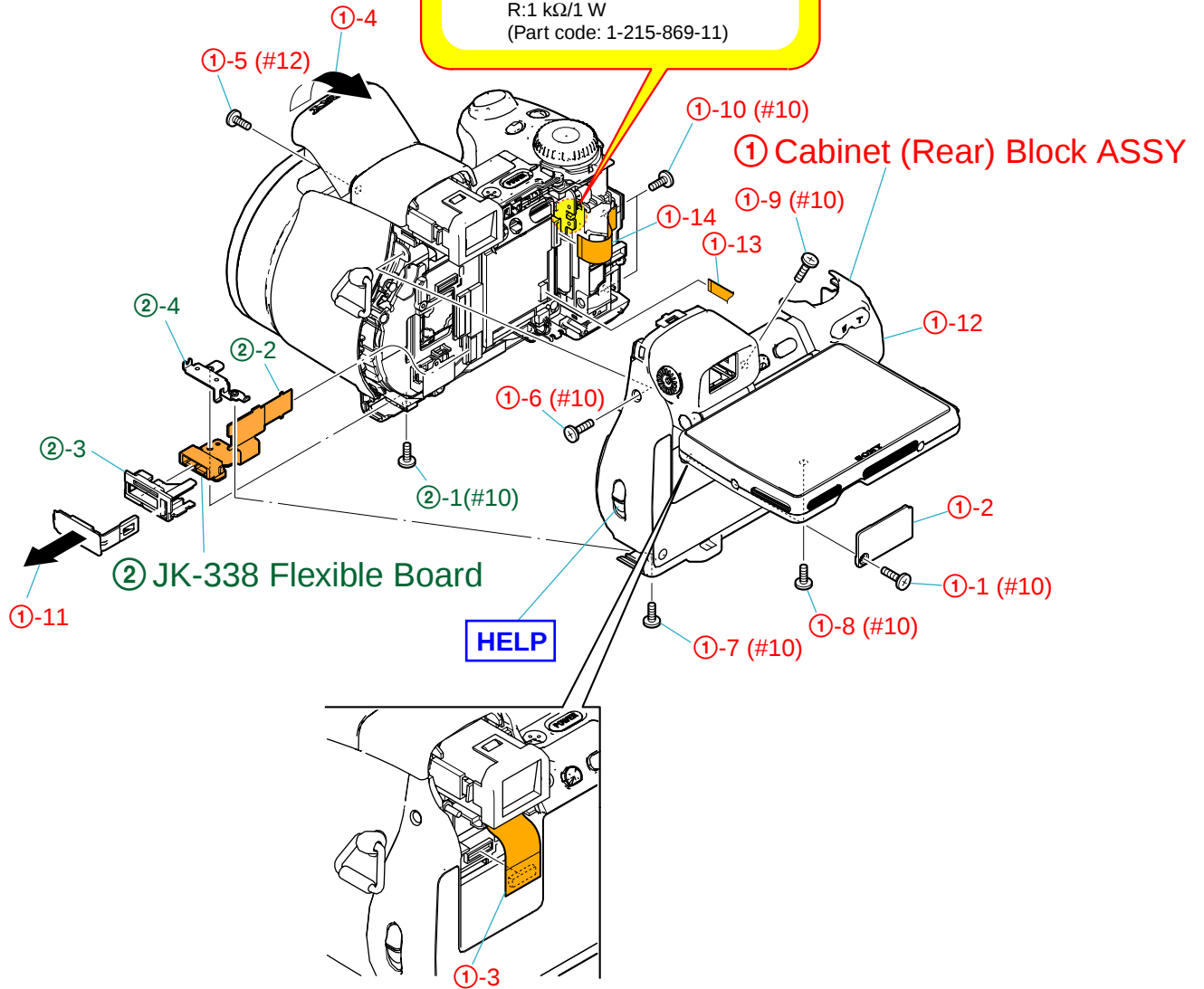
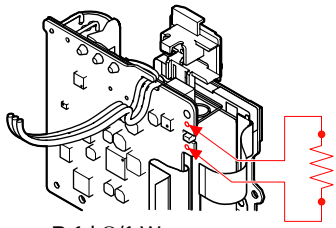


2-1-2. CABINET(REAR) BLOCK ASSY AND JK-338 FLEXIBLE BOARD (DSC-H9)

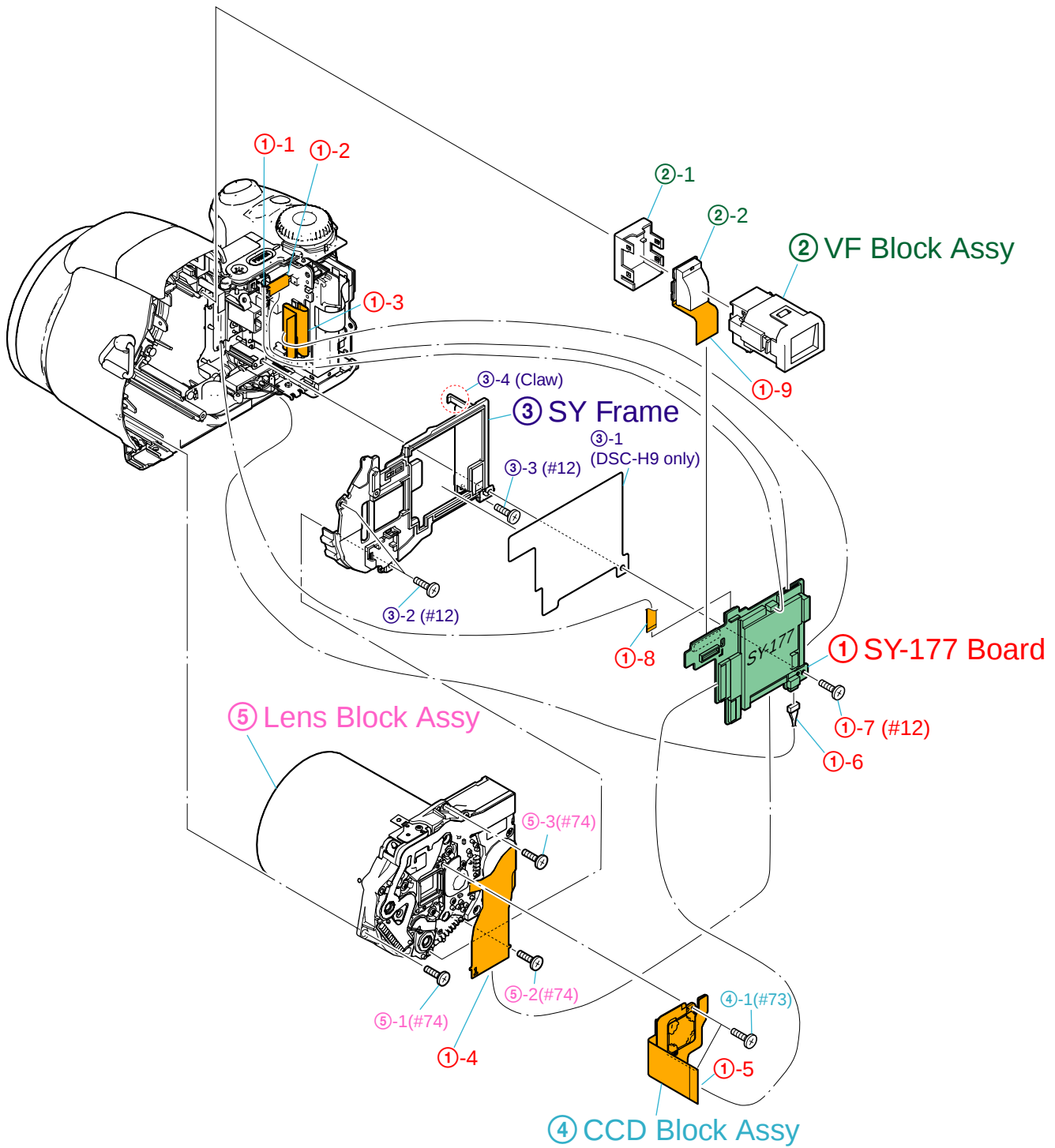
Note: High-voltage cautions

Discharging the Capacitor

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



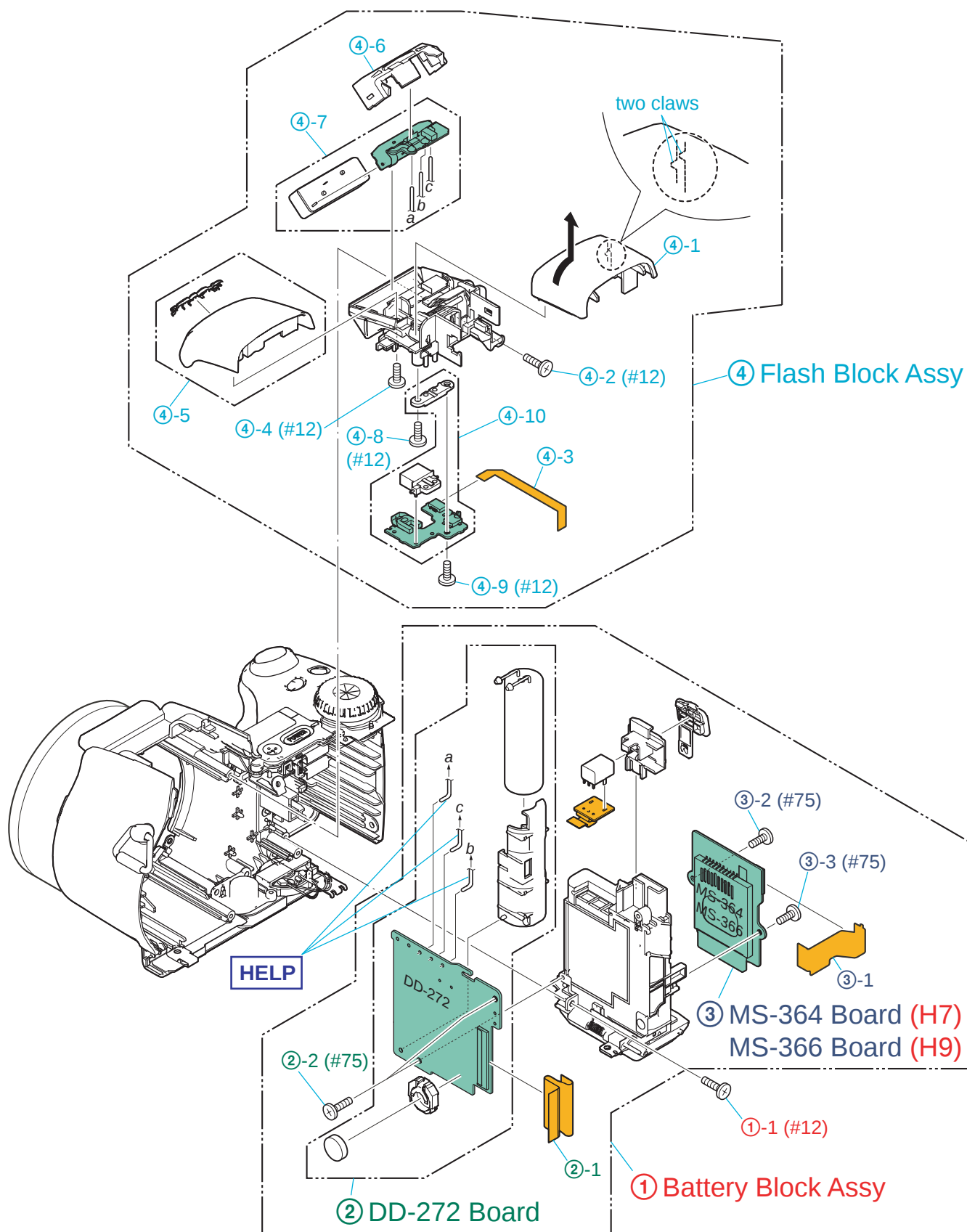
2-1-3. SY-177 BOARD, SY FRAME, CCD BLOCK ASSY AND LENS BLOCK ASSY



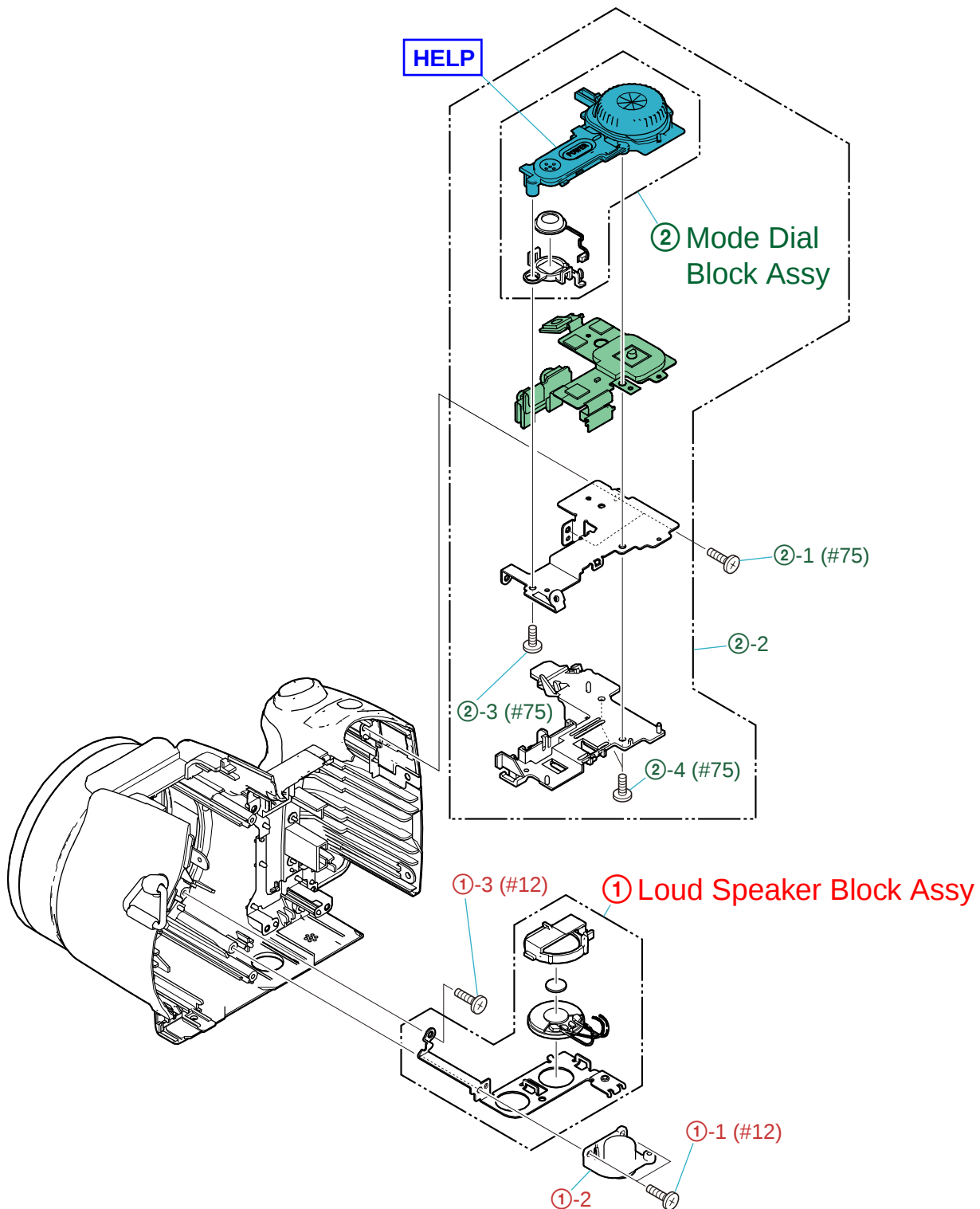
EXPLODED VIEW

HARDWARE LIST

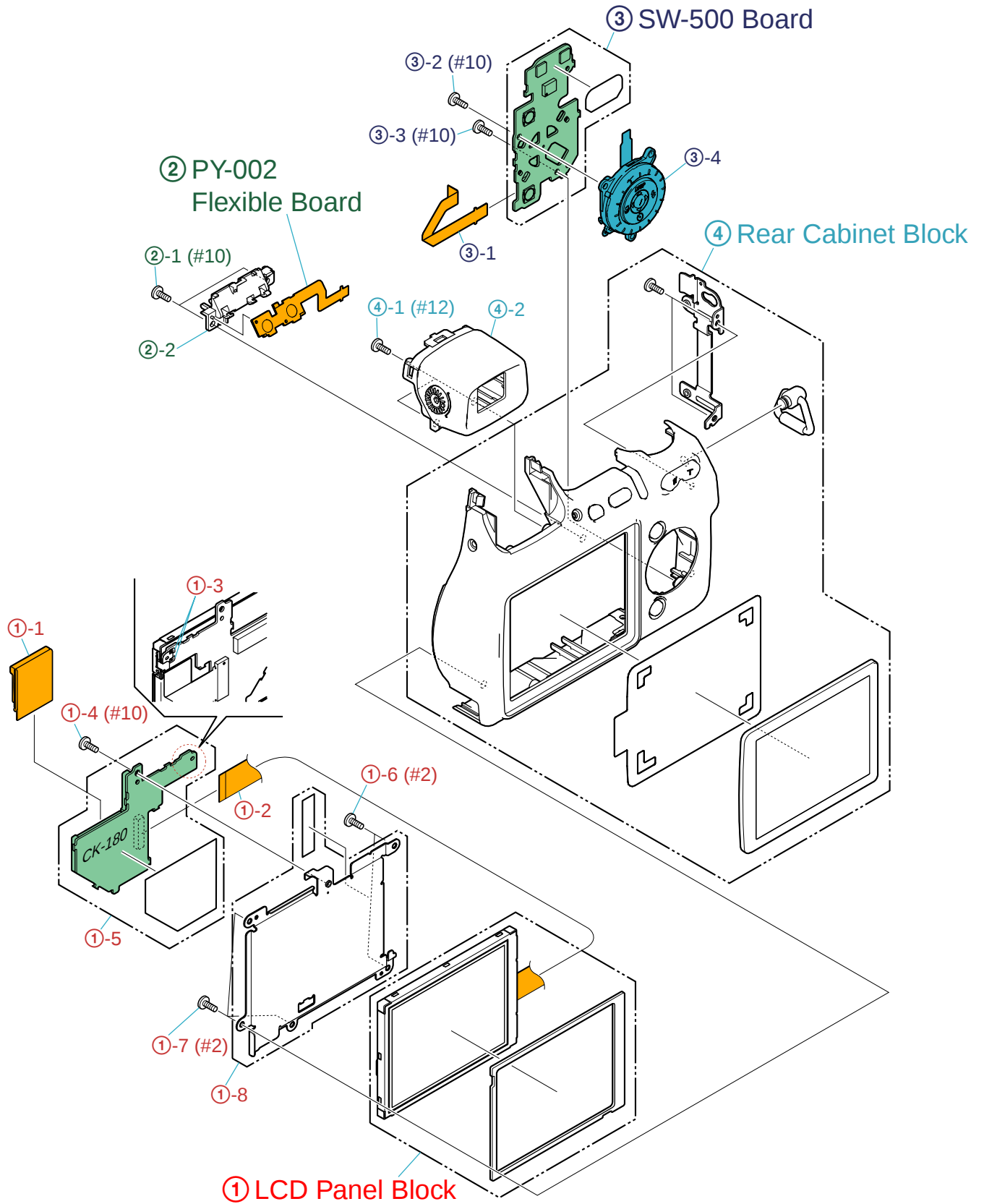
2-1-4. BATTERY BLOCK ASSY AND FLASH BLOCK ASSY



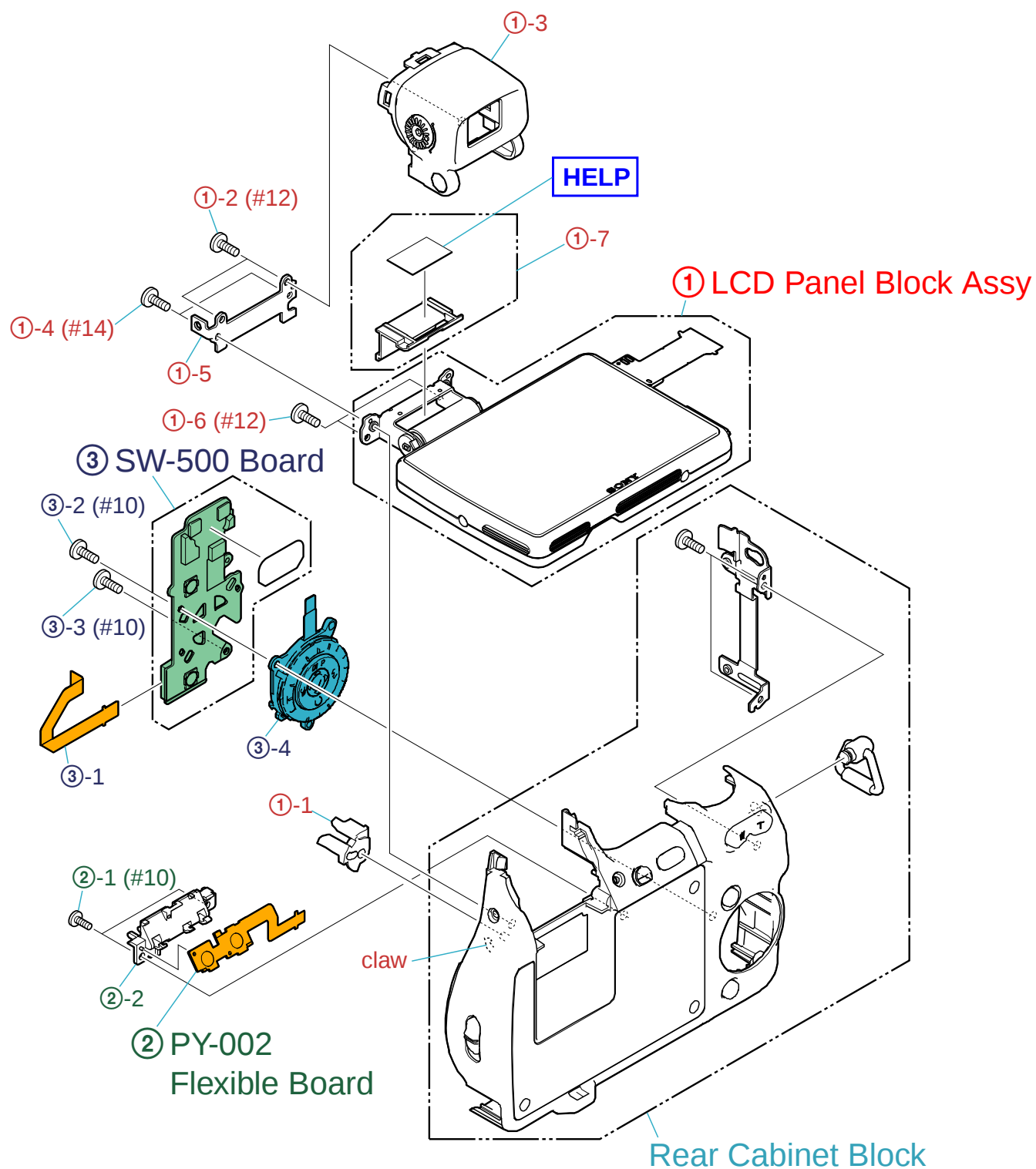
2-1-5. LOUD SPEAKER BLOCK ASSY AND MODE DIAL BLOCK ASSY



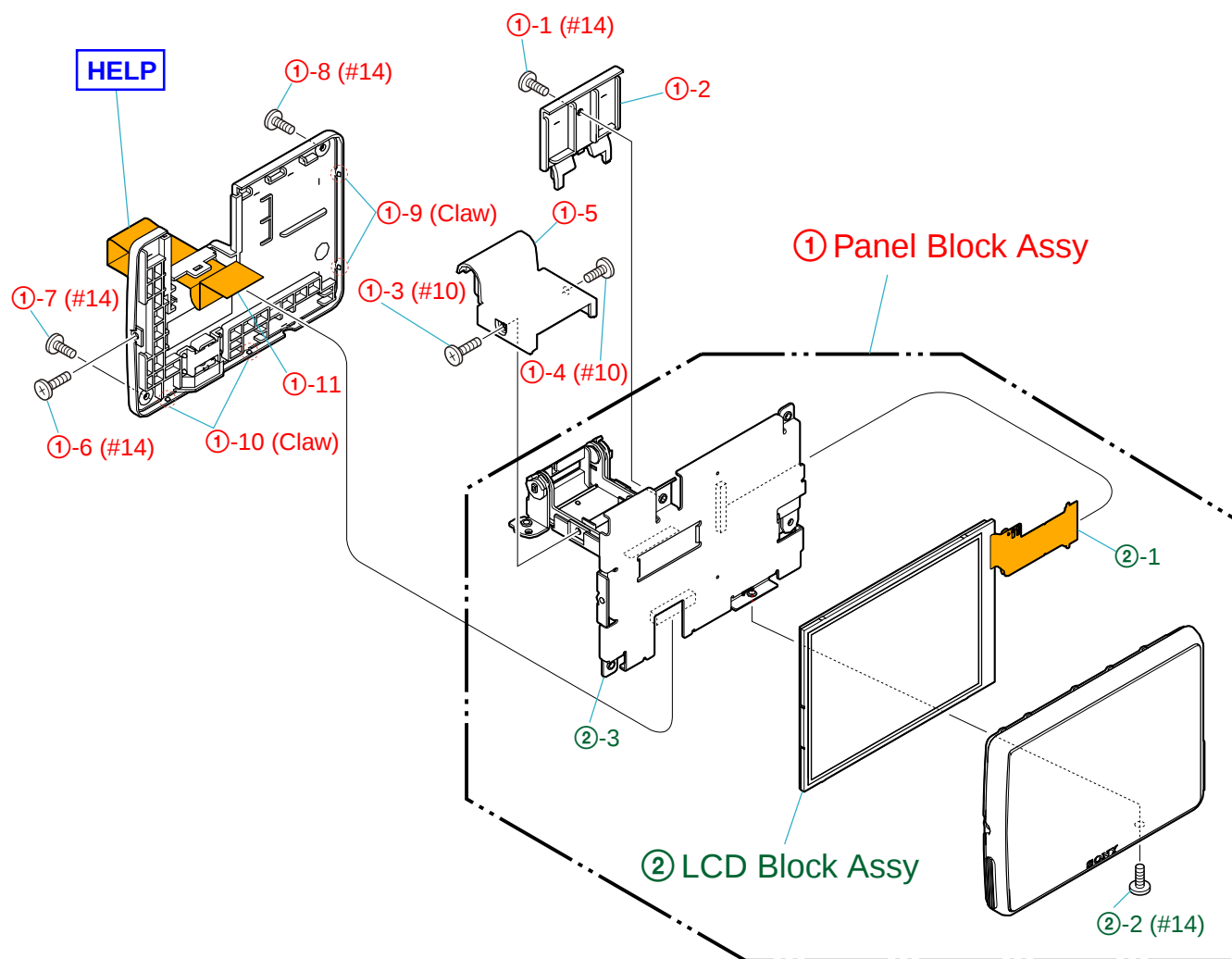
2-1-6. LCD PANEL BLOCK (DSC-H7)



2-1-7. LCD PANEL BLOCK (DSC-H9)



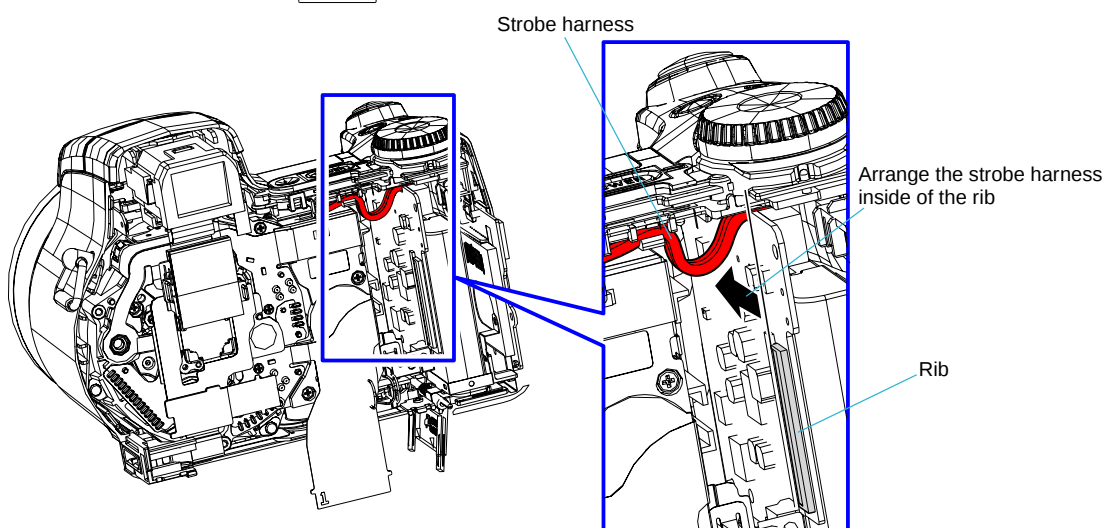
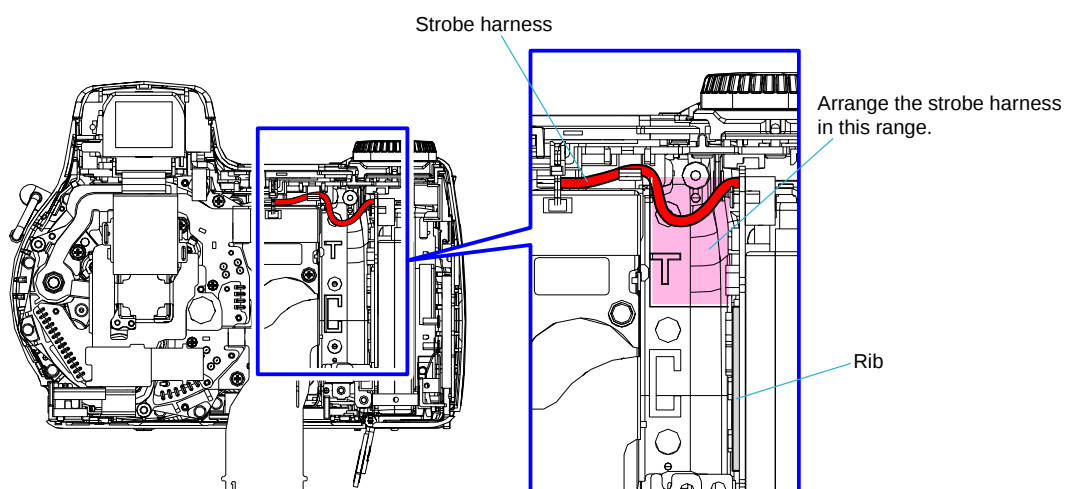
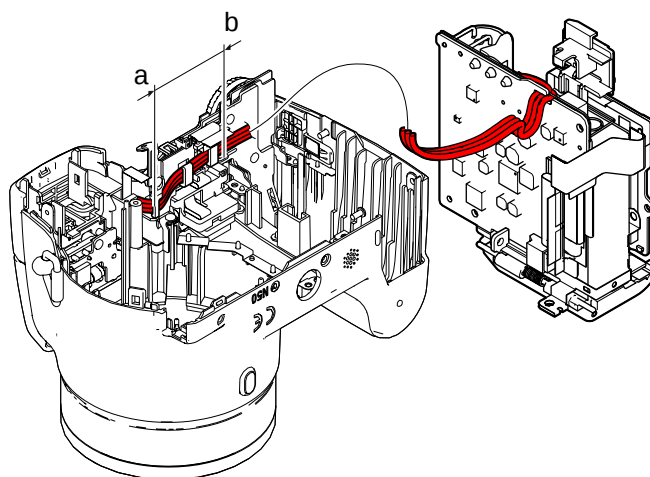
2-1-8. PANEL BLOCK ASSY AND LCD BLOCK ASSY (DSC-H9)



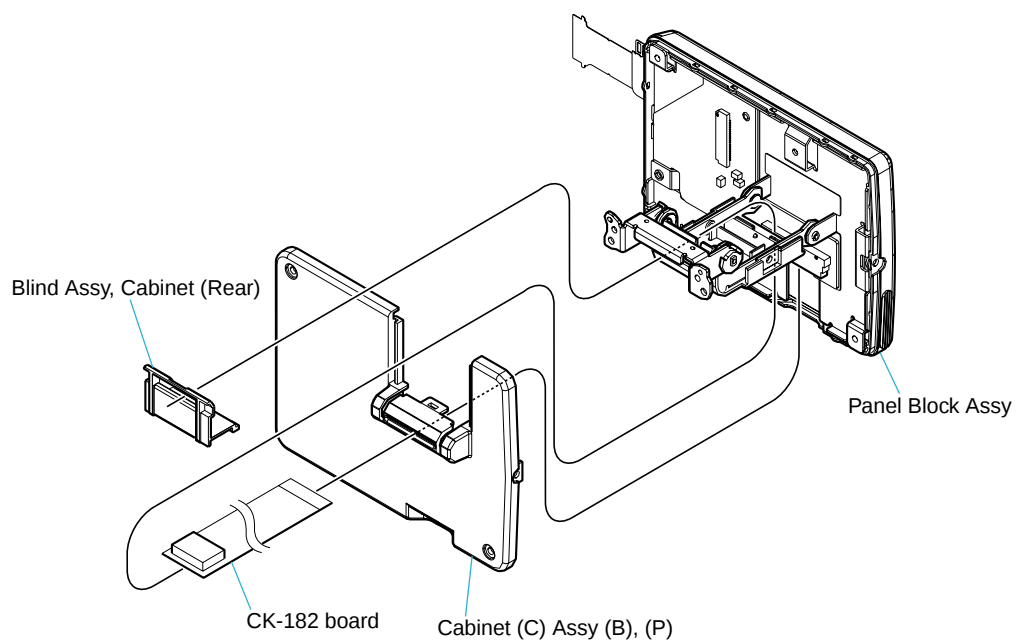
HELP

Assembling procedures that require attention are described here.

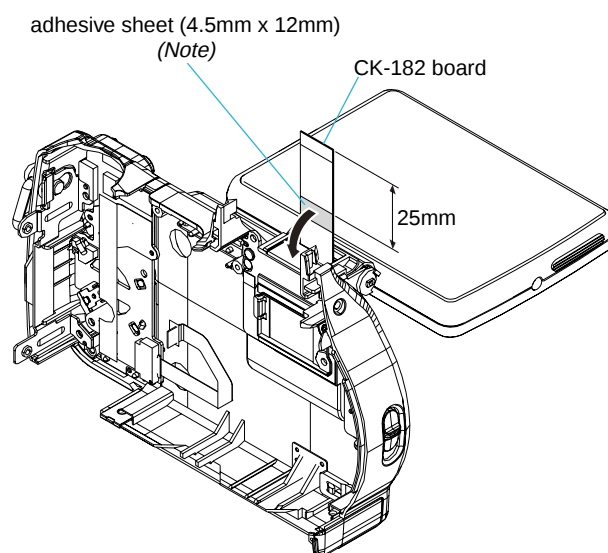
When installing three harness, do not intersect the harness in the part between “a” and “b” as shown in figure.



CK-182 flexible board arrangement



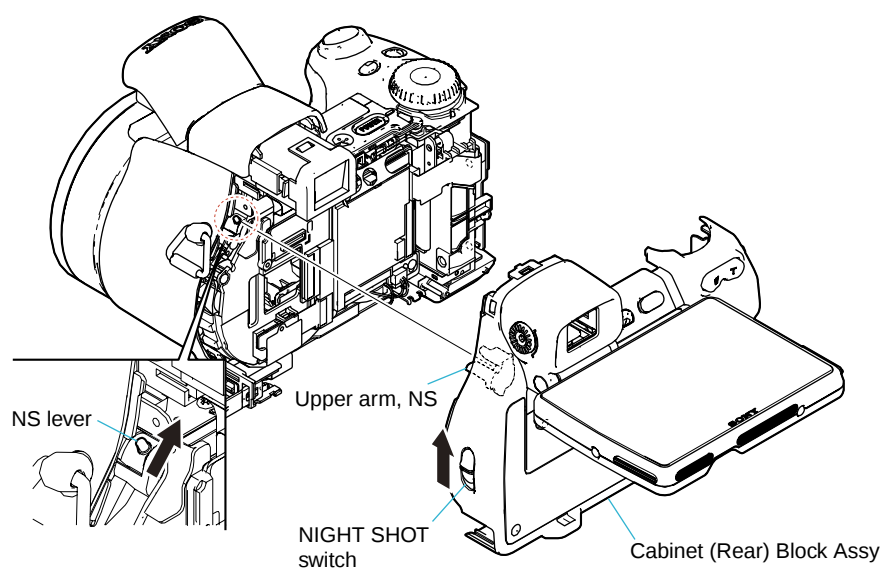
CK-182 flexible board sticking



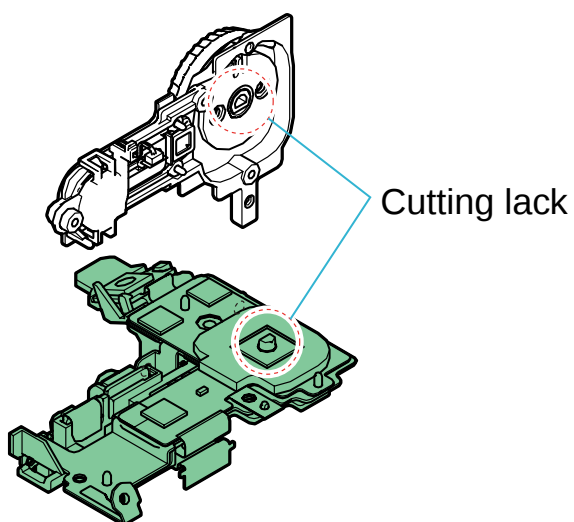
Note : 接着紙 (2-649-300-01) を切って使用。

Note : Cut SHEET, ADHESIVE (2-649-300-01)
into the desired length and use it.

On assembling, set the NS lever and the NIGHTSHOT switch up and adjust the notch of NS upper arm to the projection on NS lever.



When assembling the mode dial, match the direction of the cutting lack as shown in figure



3. BLOCK DIAGRAMS

Link

• OVERALL BLOCK DIAGRAM (1/2)

• POWER BLOCK DIAGRAM (1/2)

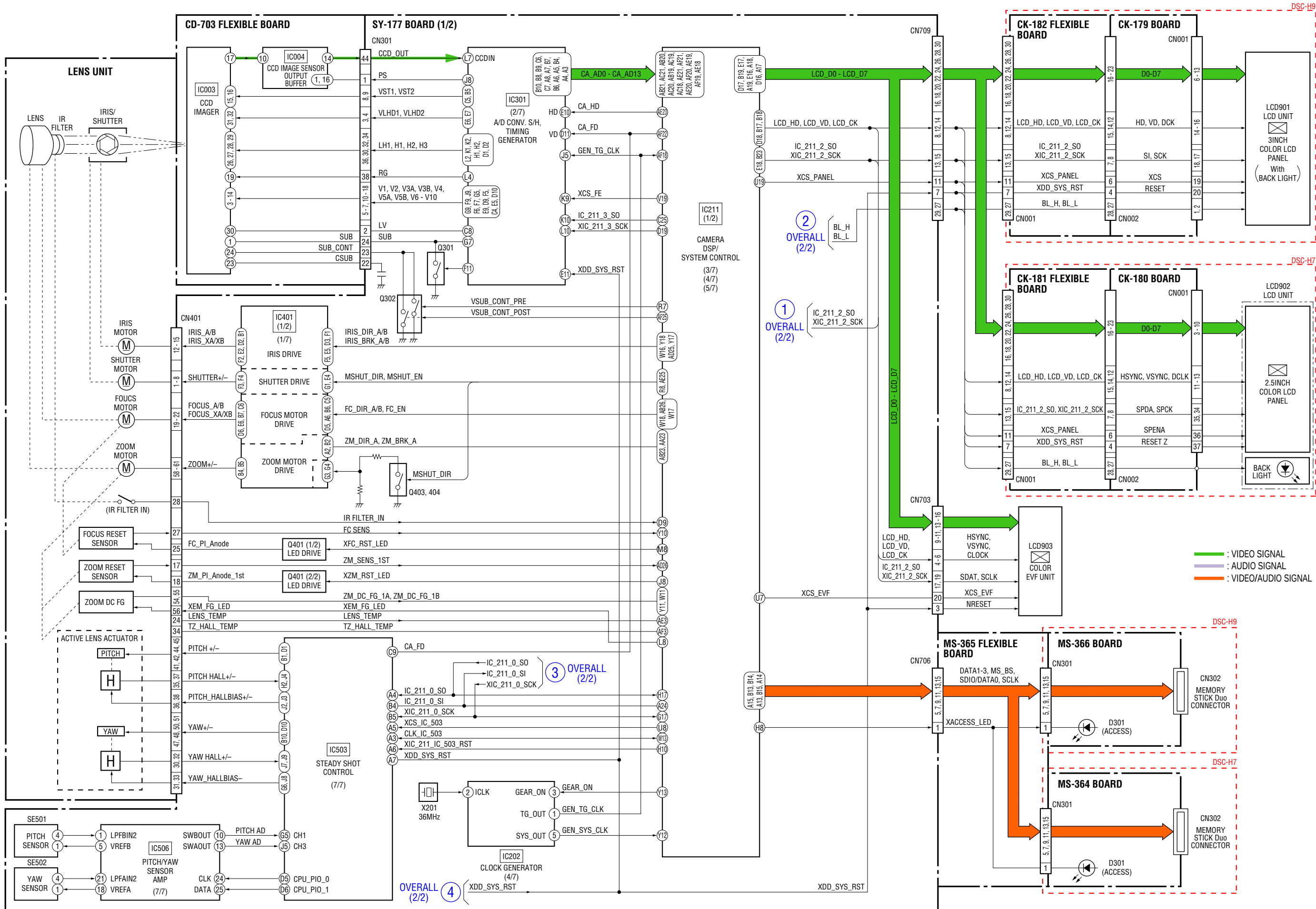
• OVERALL BLOCK DIAGRAM (2/2)

• POWER BLOCK DIAGRAM (2/2)

3. BLOCK DIAGRAMS

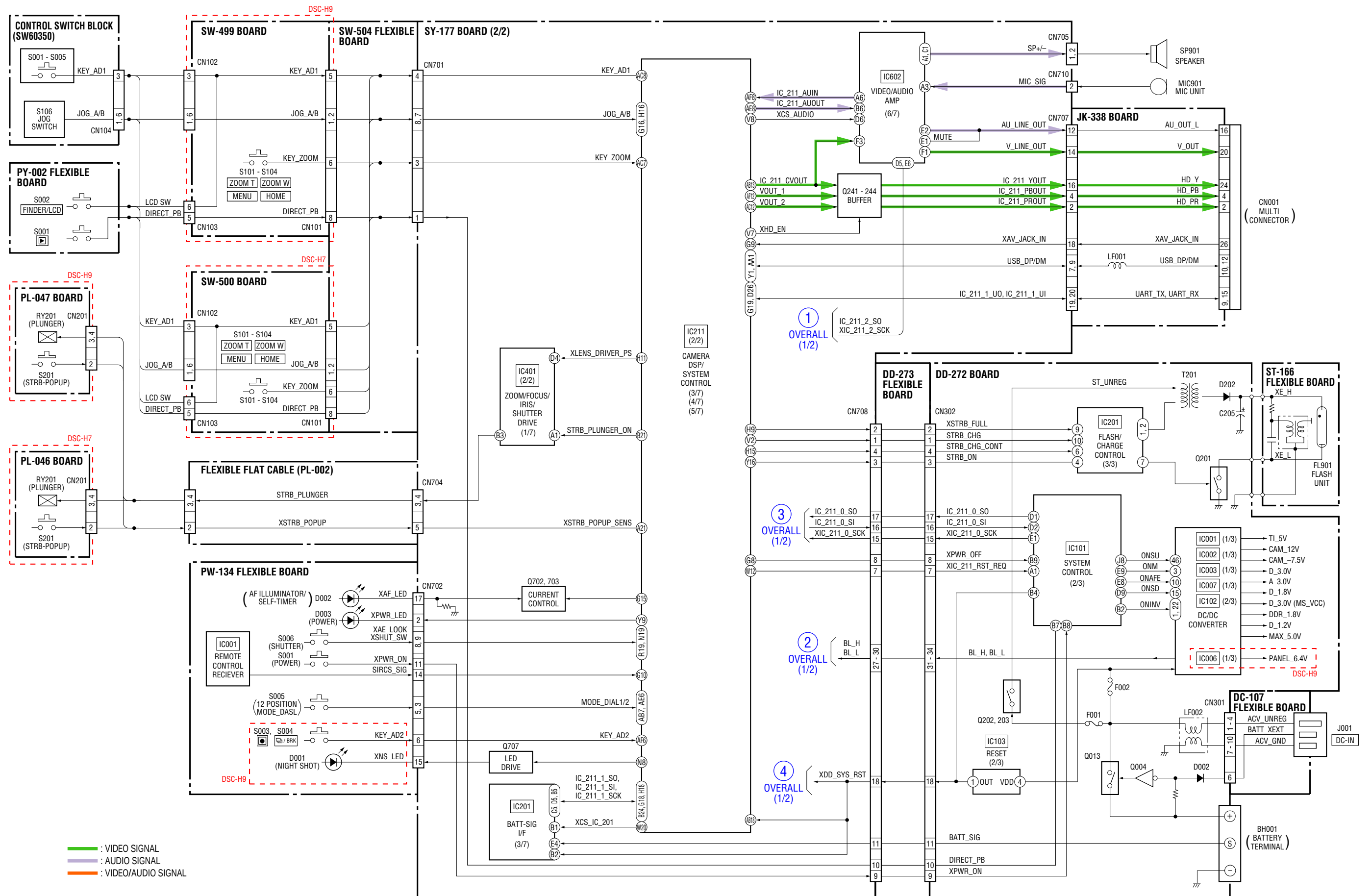
3-1. OVERALL BLOCK DIAGRAM (1/2)

() : Number in parenthesis () indicates the division number of schematic diagram where the component is located.

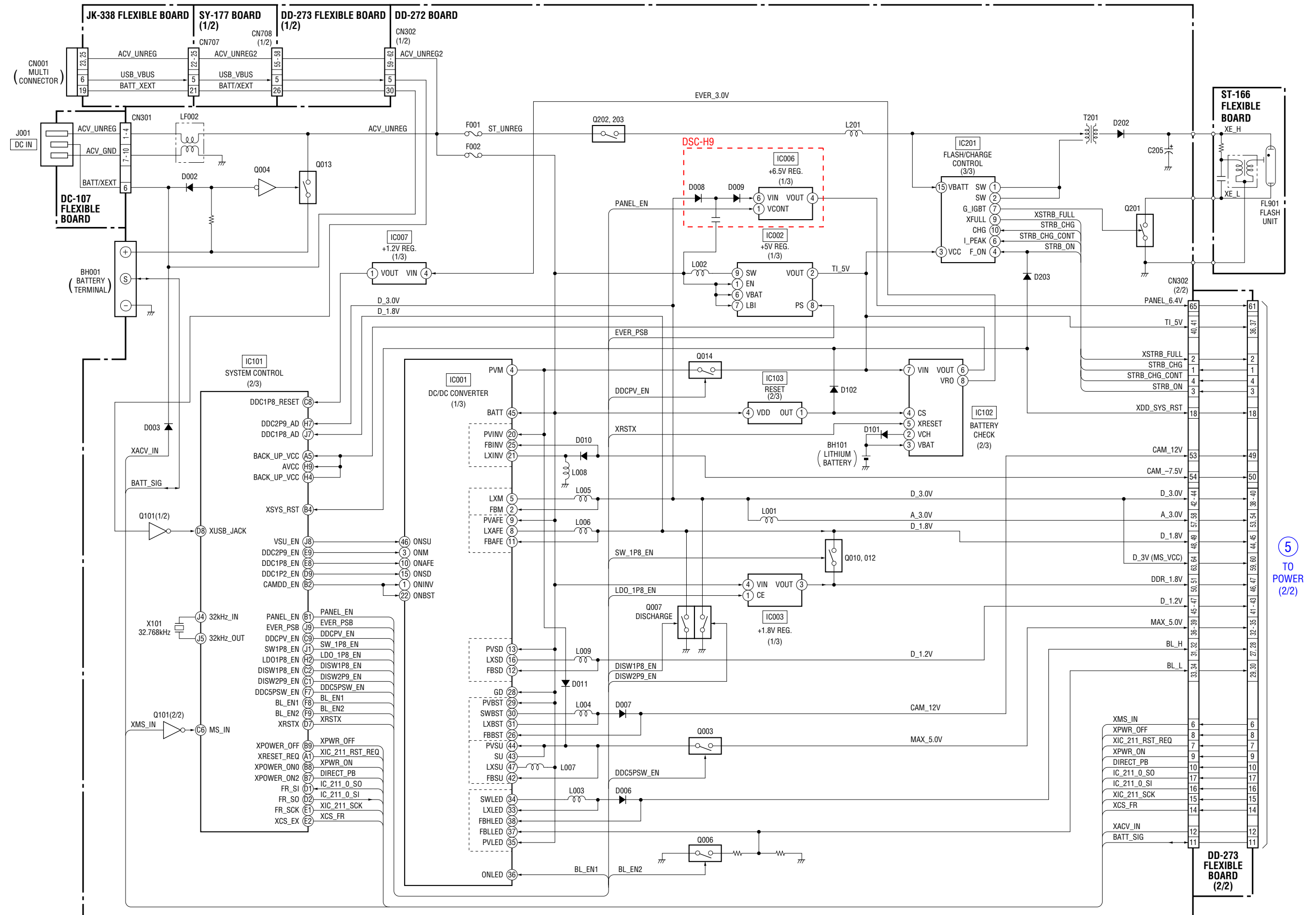


3-2. OVERALL BLOCK DIAGRAM (2/2)

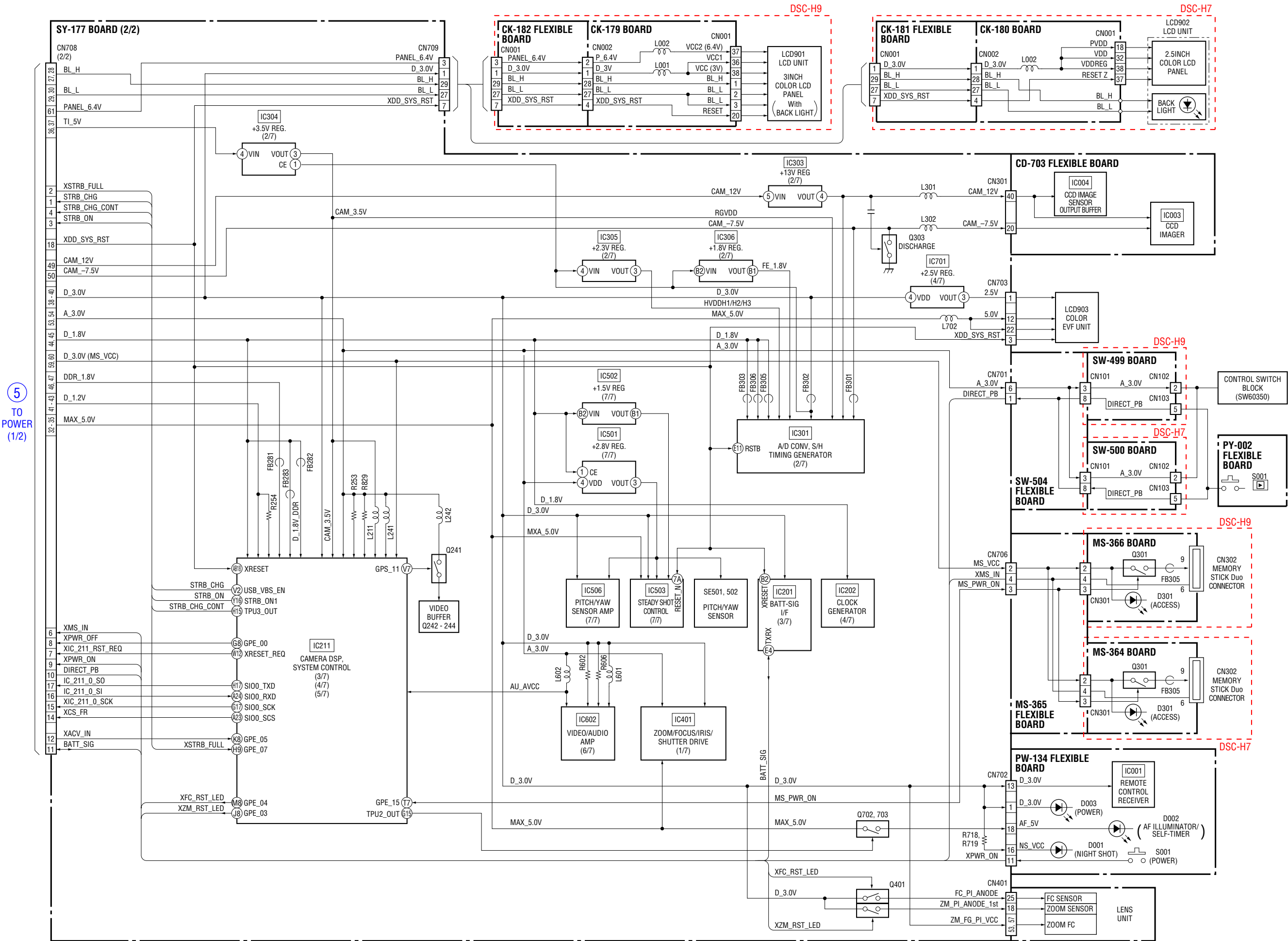
() : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



3-3. POWER BLOCK DIAGRAM (1/2) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.

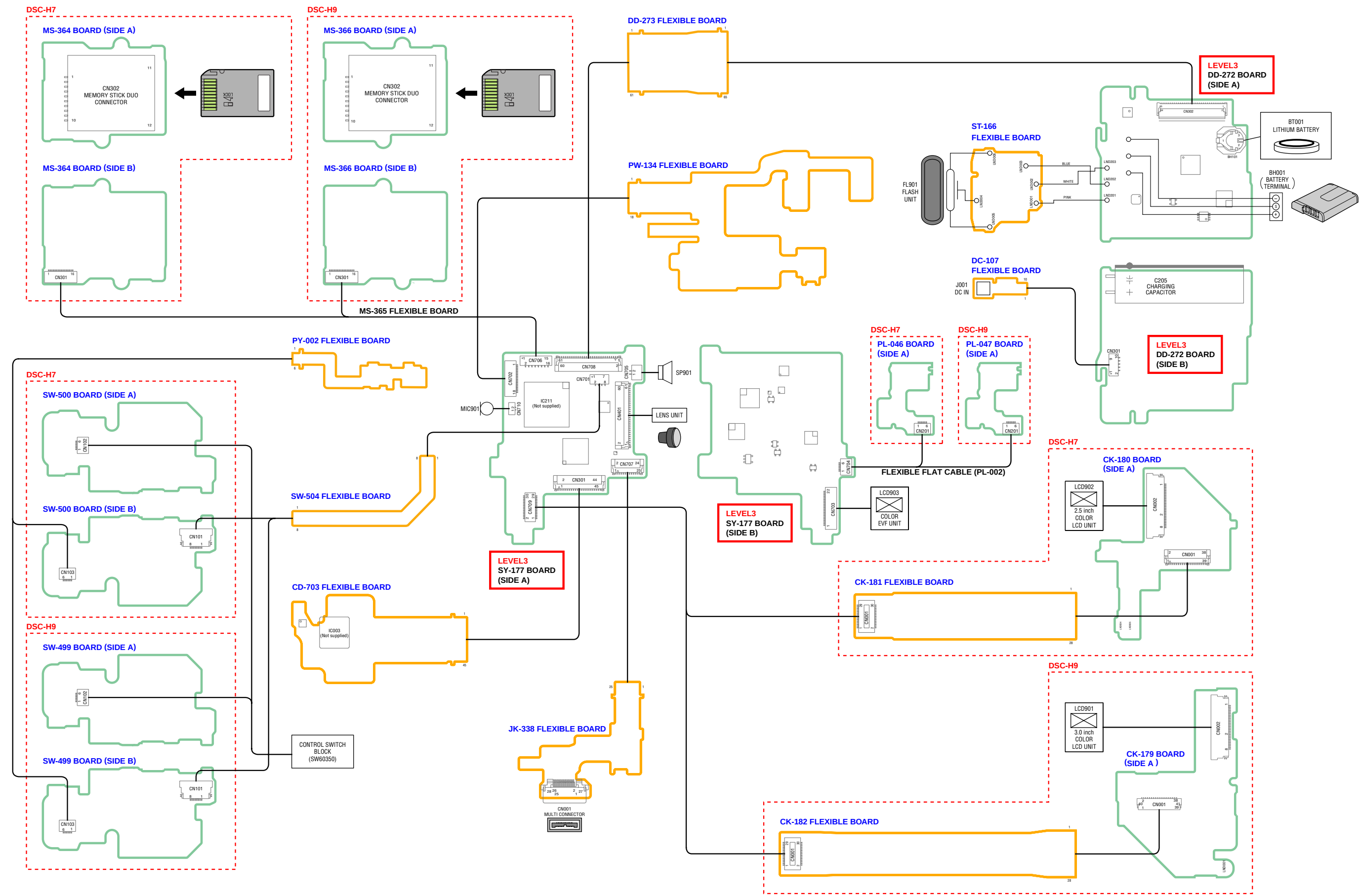


3-4. POWER BLOCK DIAGRAM (2/2) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-1. FRAME SCHEMATIC DIAGRAM



4-2. SCHEMATIC DIAGRAMS

Link

• CD-703 FLEXIBLE BOARD (CCD IMAGER)	• SW-499 BOARD:DSC-H9 (SWITCH)
• CK-180 BOARD:DSC-H7 (SY TO LCD RELAY)	• SW-500 BOARD:DSC-H7 (SWITCH)
• CK-181 FLEXIBLE BOARD:DSC-H7 (SY TO CK RELAY)	• SW-504 FLEXIBLE BOARD (SY TO SW RELAY)
• CK-179 BOARD:DSC-H9 (SY TO LCD RELAY)	• CONTROL SWITCH BLOCK (SW60350)
• CK-182 FLEXIBLE BOARD:DSC-H9 (SY TO CK RELAY)	• PL-046 BOARD:DSC-H7 (PLUNGER)
• JK-338 FLEXIBLE BOARD (MULTI CONNECTOR)	• PL-047 BOARD:DSC-H9 (PLUNGER)
• MS-364 BOARD:DSC-H7 (MS CONNECTOR)	• PW-134 FLEXIBLE BOARD (FUNCTION SWITCH)
• MS-365 FLEXIBLE BOARD (SY TO MS RELAY)	• DC-107 FLEXIBLE BOARD (DC IN)
• MS-366 BOARD:DSC-H9 (MS CONNECTOR)	• DD-273 FLEXIBLE BOARD (SY TO DD RELAY)
• PY-002 FLEXIBLE BOARD (SWITCH)	• ST-166 FLEXIBLE BOARD (FLASH UNIT)

• COMMON NOTE FOR SCHEMATIC DIAGRAMS

4-2. SCHEMATIC DIAGRAMS

4-2. SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR SCHEMATIC DIAGRAMS

(In addition to this, the necessary note is printed in each block)

(For schematic diagrams)

- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\text{F} : 50 \text{ V}$ or less are not indicated except for electrolytics and tantalums.
- Chip resistors are $1/10 \text{ W}$ unless otherwise noted. $\text{k}\Omega=1000 \Omega$, $\text{M}\Omega=1000 \text{ k}\Omega$.
- Caution when replacing chip parts.
New parts must be attached after removal of chip.
Be careful not to heat the minus side of tantalum capacitor, Because it is damaged by the heat.
- Some chip part will be indicated as follows.

Example	C541	L452
	22U	10UH
	TA A	2520
	TA	A
Kinds of capacitor	Case size	External dimensions (mm)

- Constants of resistors, capacitors, ICs and etc with XX indicate that they are not used.
In such cases, the unused circuits may be indicated.
- Parts with ★ differ according to the model/destination.
Refer to the mount table for each function.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Signal name
XEDIT → EDIT PB/XREC → PB/REC
- : non flammable resistor
- : fusible resistor
- : panel designation
- : B+ Line
- : B- Line
- : IN/OUT direction of (+,-) B LINE.
- : adjustment for repair.
- : not use circuit

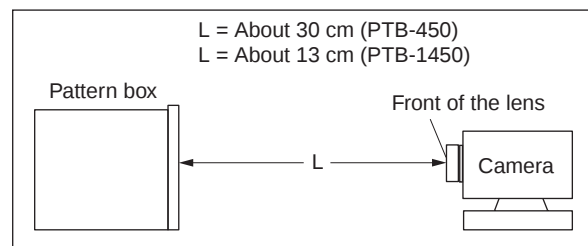
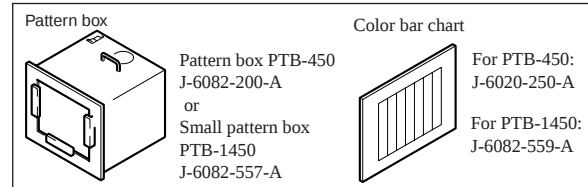
(Measuring conditions voltage and waveform)

- Voltages are measured between the measurement points and ground when camera shoots color bar chart of pattern box. They are reference values and reference waveforms.
(VOM of DC $10 \text{ M}\Omega$ input impedance is used)
- Voltage values change depending upon input impedance of VOM used.)

Precautions for Replacement of Imager

- If the imager has been replaced, carry out all the adjustments for the camera section.
- As the imager may be damaged by static electricity from its structure, handle it carefully like for the MOS IC.
In addition, ensure that the receiver is not covered with dusts nor exposed to strong light.

1. Connection



- Adjust the distance so that the output waveform of Fig. a and the Fig. b can be obtain.

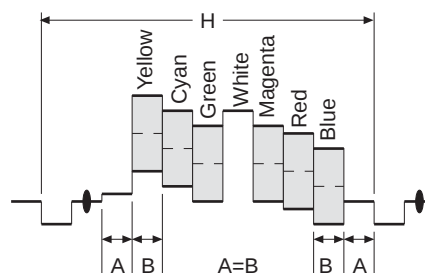


Fig. a (Video output terminal output waveform)

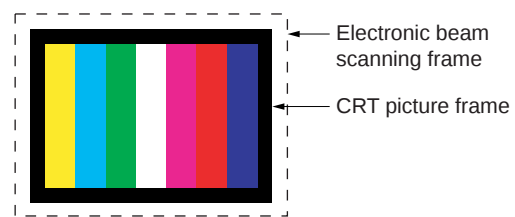


Fig.b (Picture on monitor TV)

When indicating parts by reference number, please include the board name.

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.

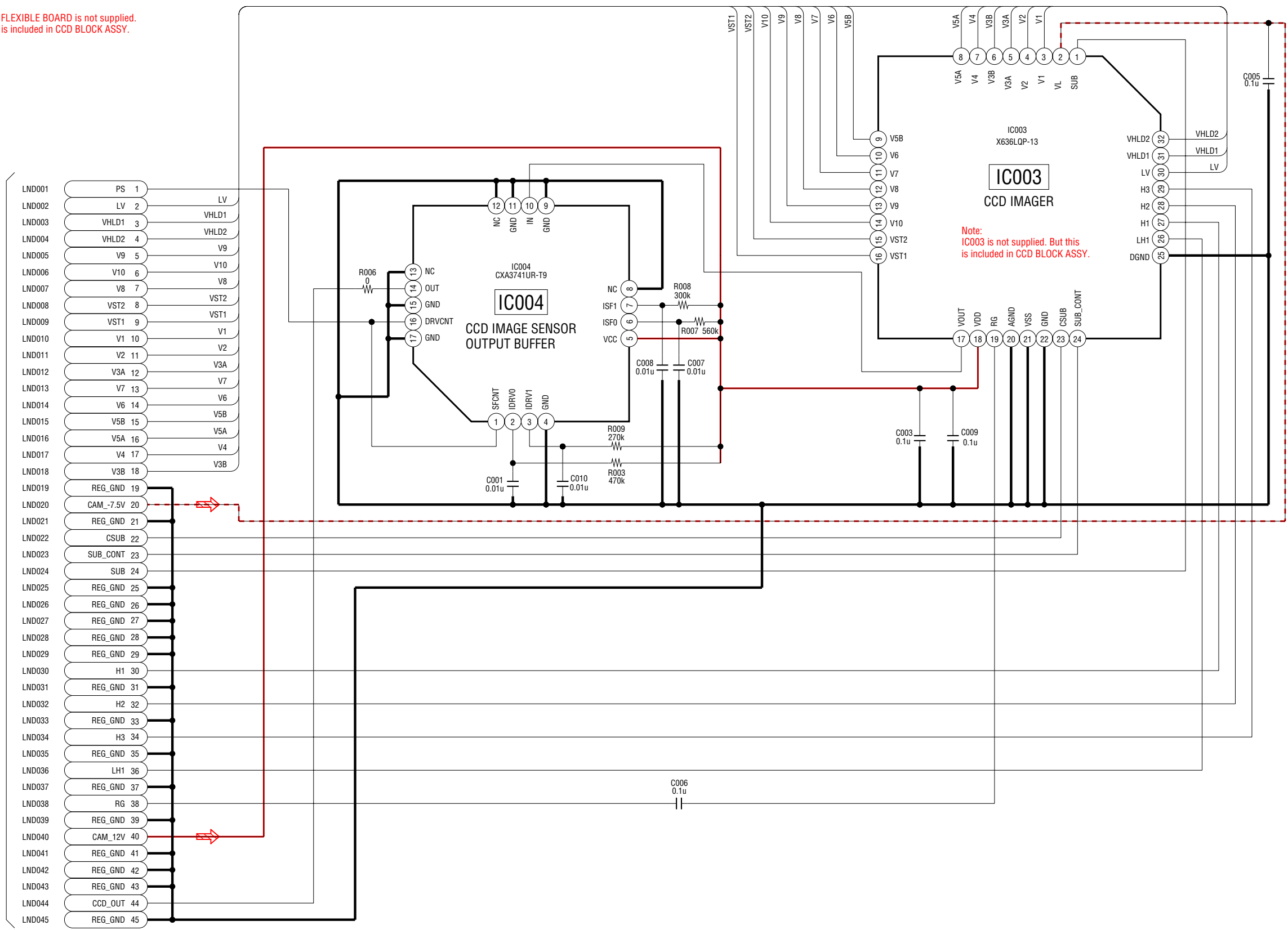
CD-703 FLEXIBLE BOARD

CCD IMAGER

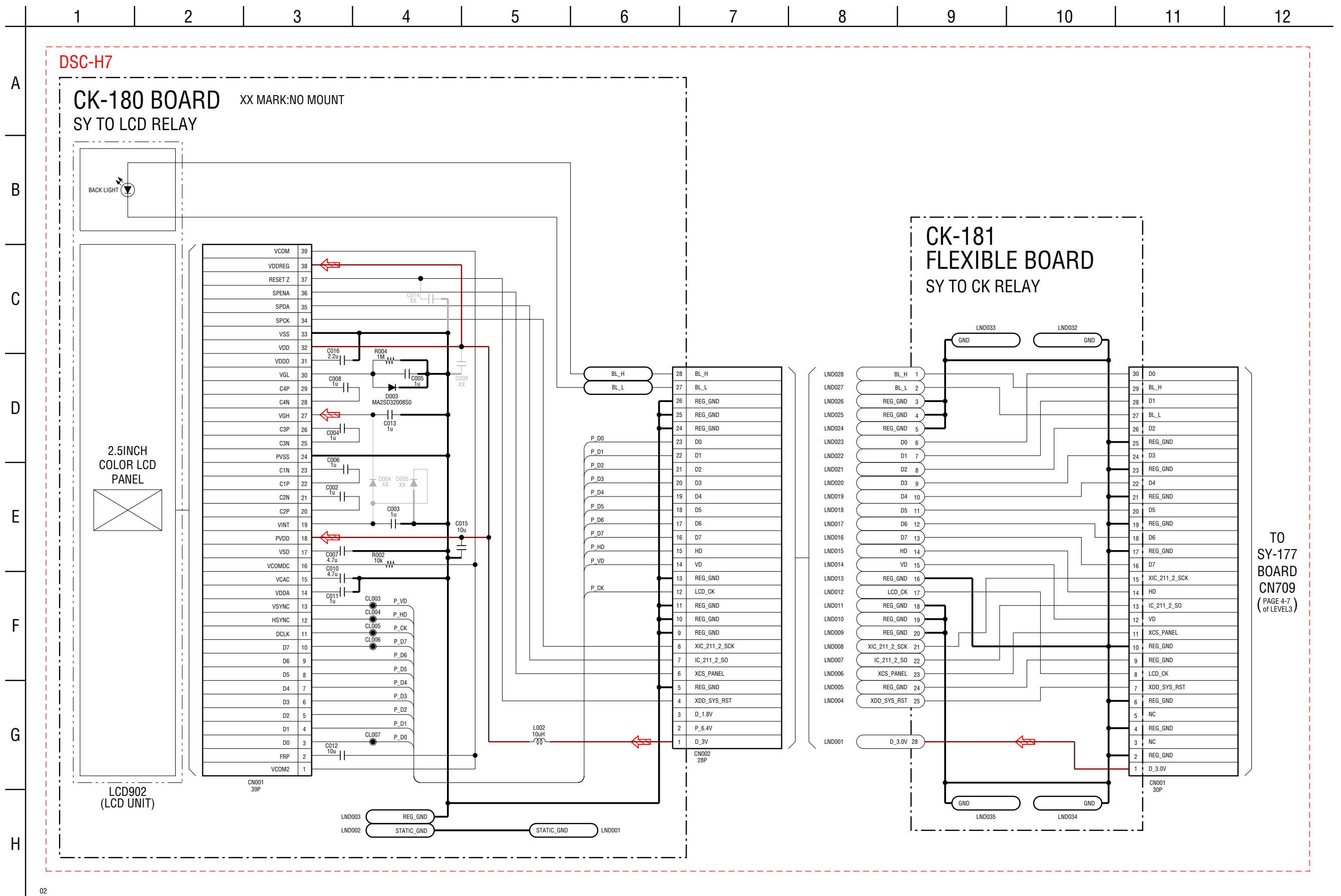
Note: CD-703 FLEXIBLE BOARD is not supplied.
But this is included in CCD BLOCK ASSY.

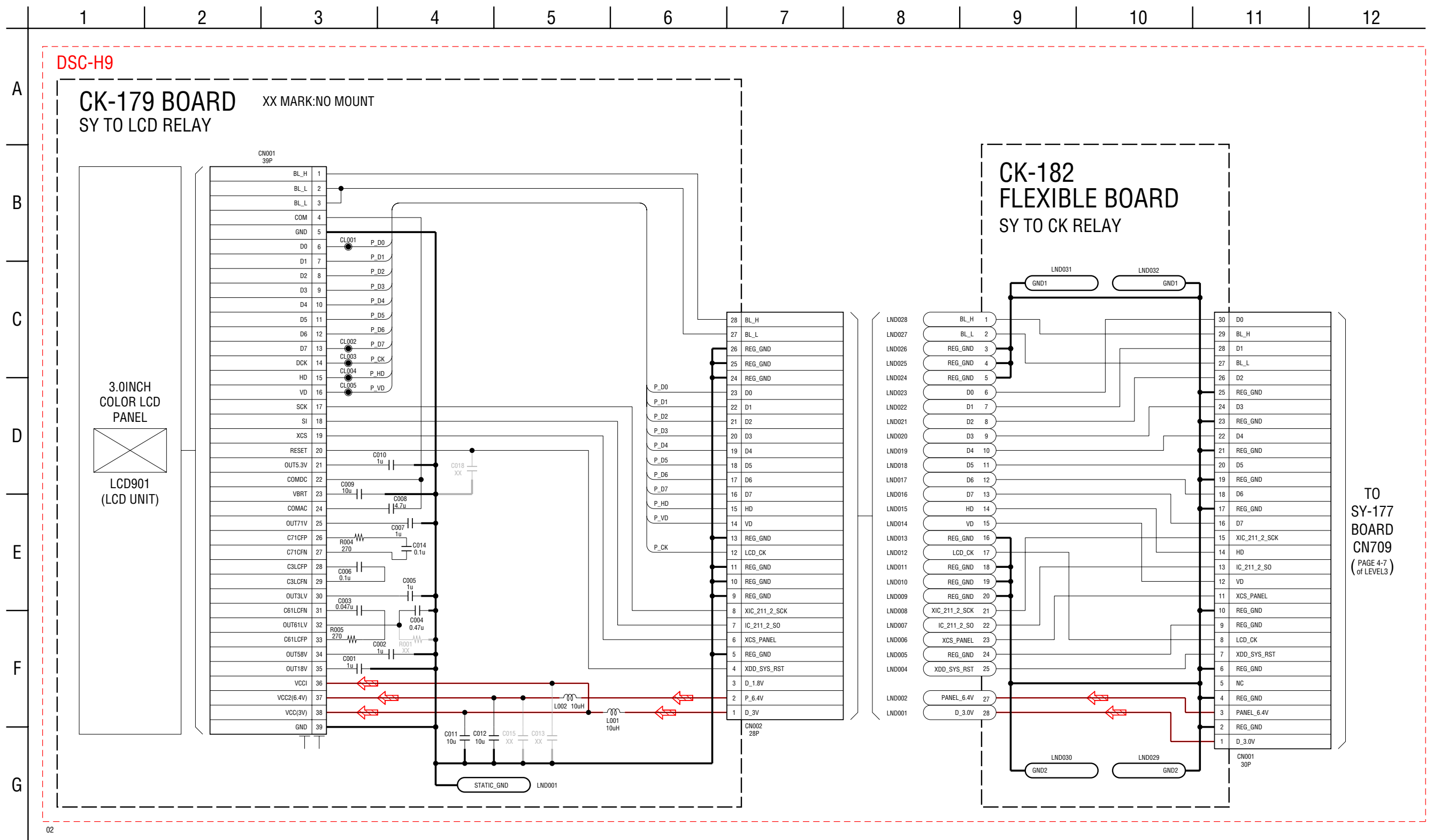
Note: Voltages of IC003 and IC004 can not be
measured, because they are mounted on
the side of the lens.

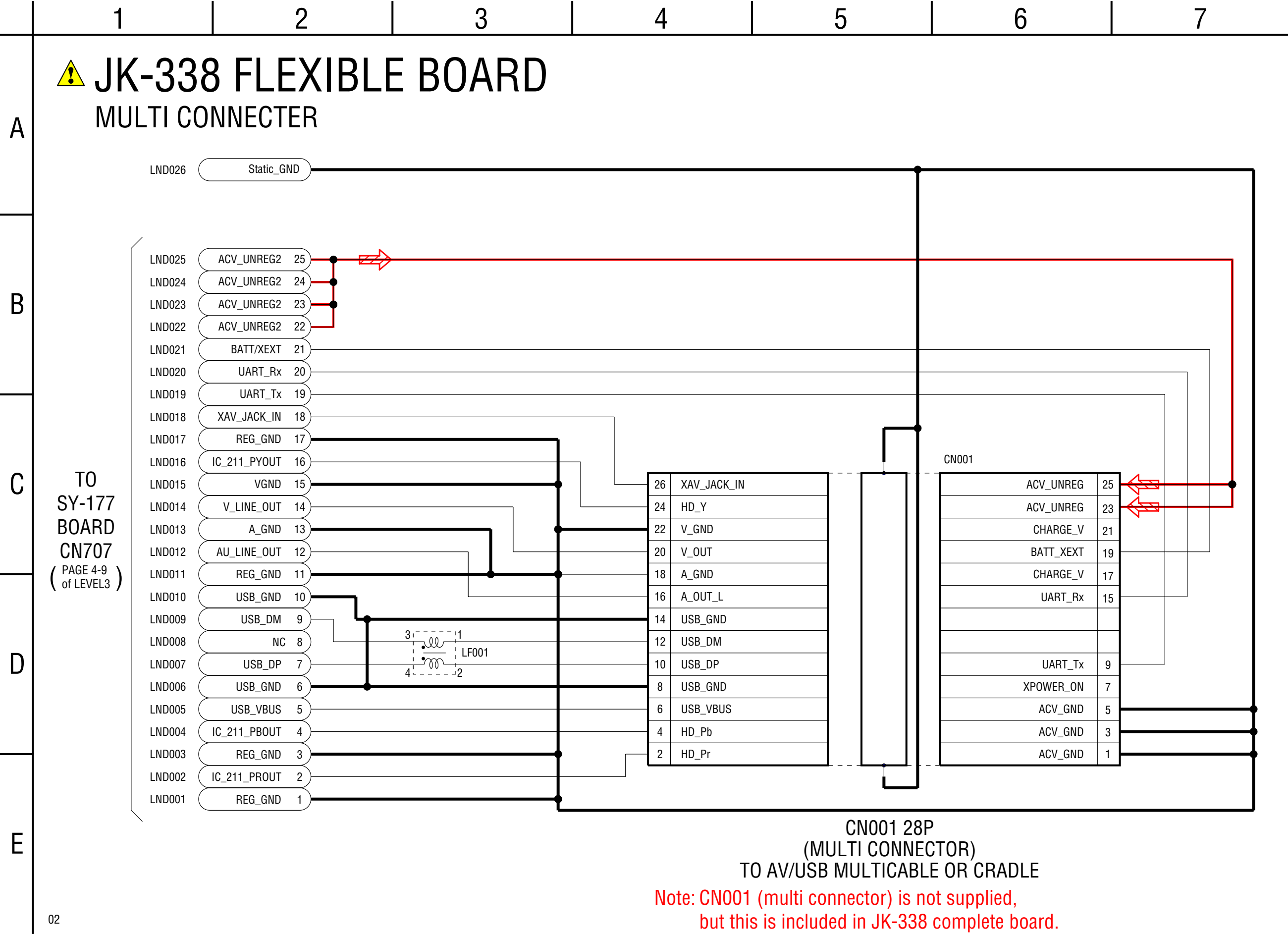
TO
SY-177
BOARD
CN301
(PAGE4-5
of LEVEL3)



Schematic diagrams of the SY-177 board is not shown.
Pages from 4-4 to 4-10 are not shown.







CN001

ACV_UNREG

25

ACV_UNREG

23

CHARGE_V

21

BATT_XEXT

19

CHARGE_V

17

UART_Rx

15

UART_Tx

9

XPOWER_ON

7

ACV_GND

5

ACV_GND

3

ACV_GND

1

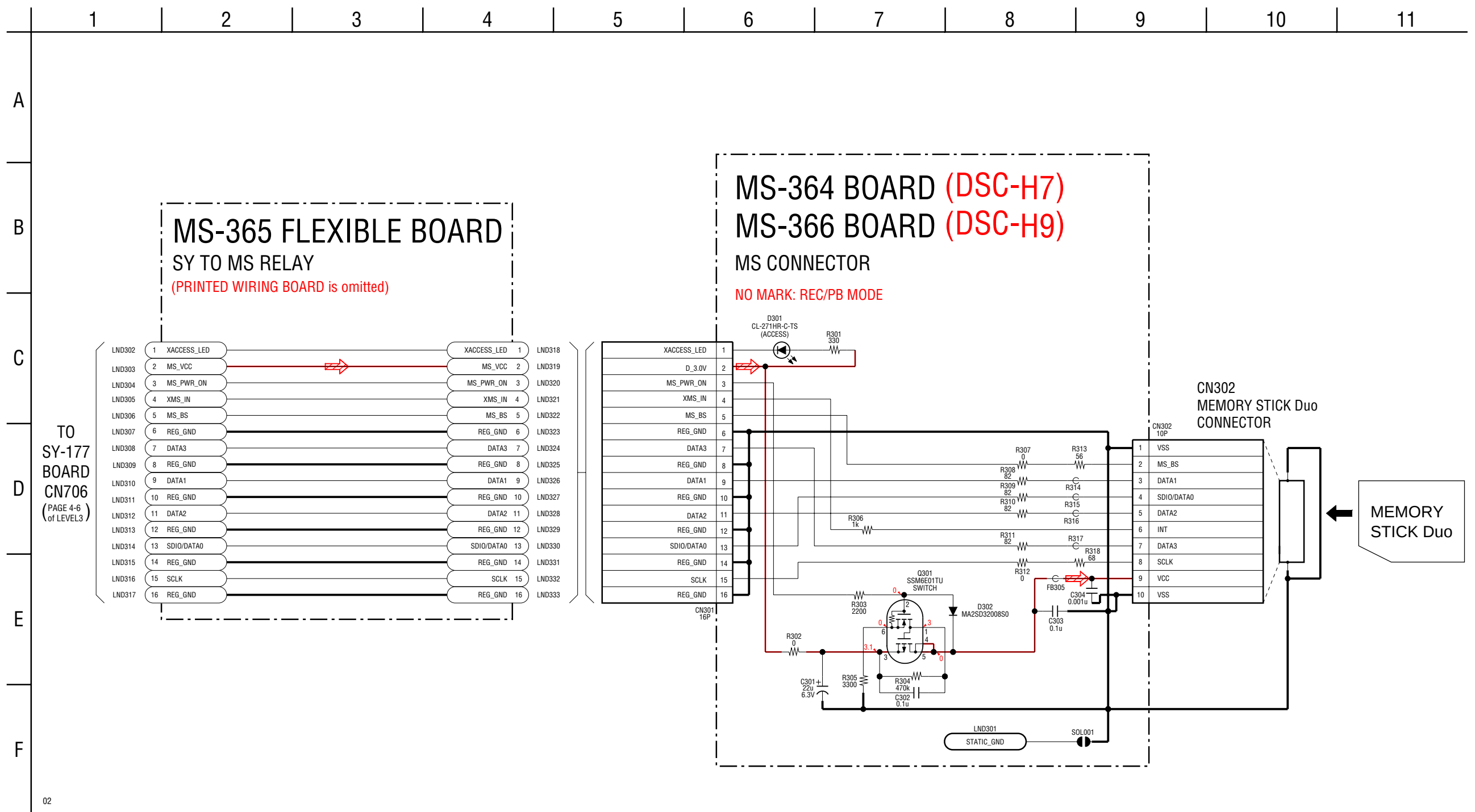
CN001 28P

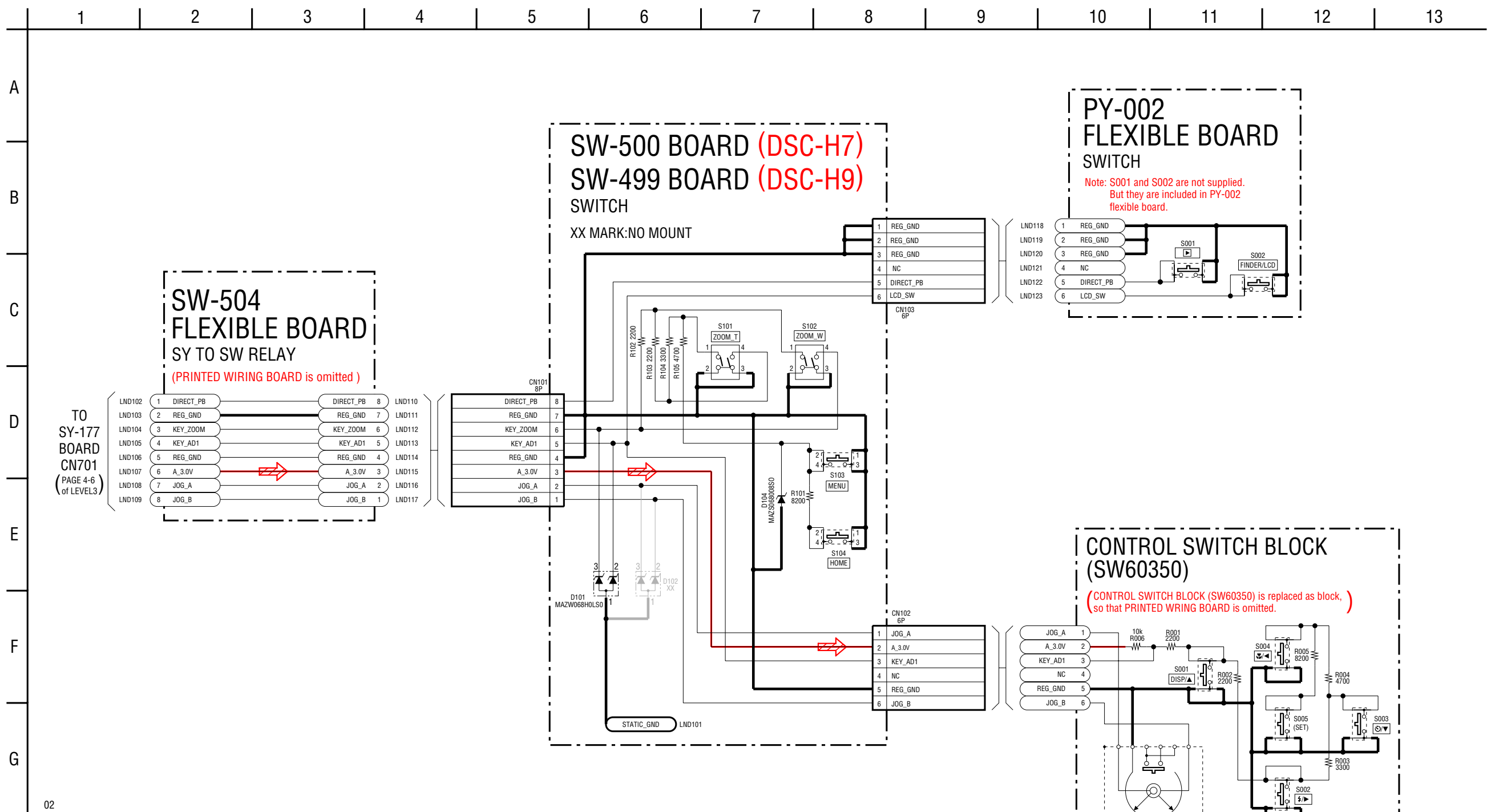
(MULTI CONNECTOR)

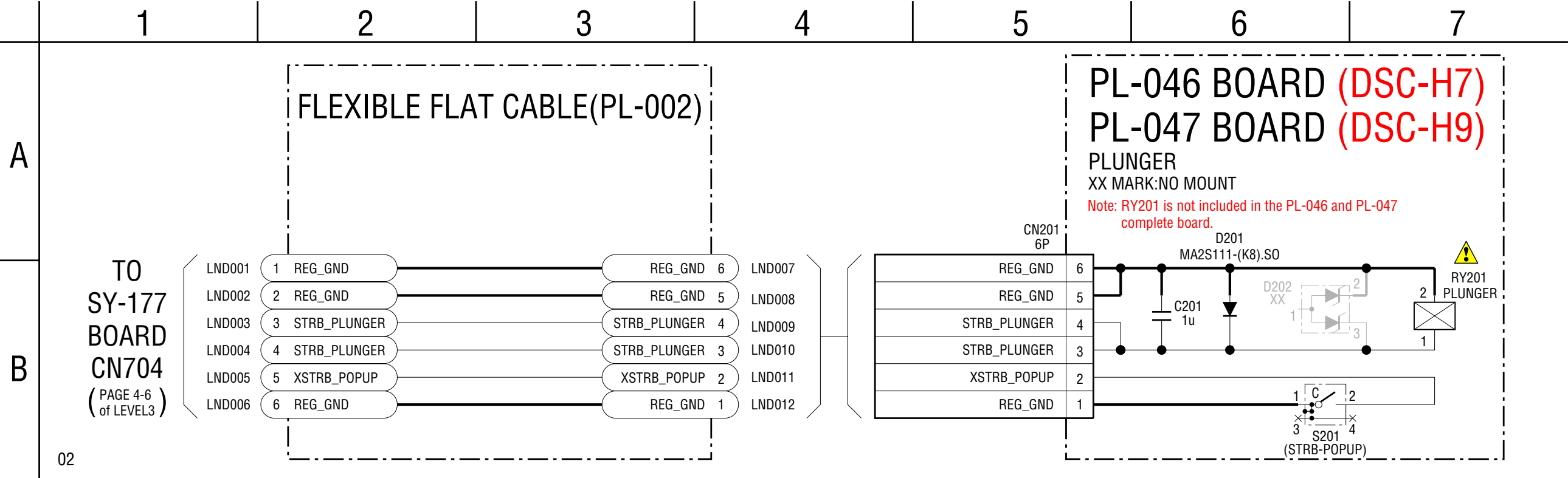
TO AV/USB MULTICABLE OR CRADLE

Note: CN001 (multi connector) is not supplied,

but this is included in JK-338 complete board.

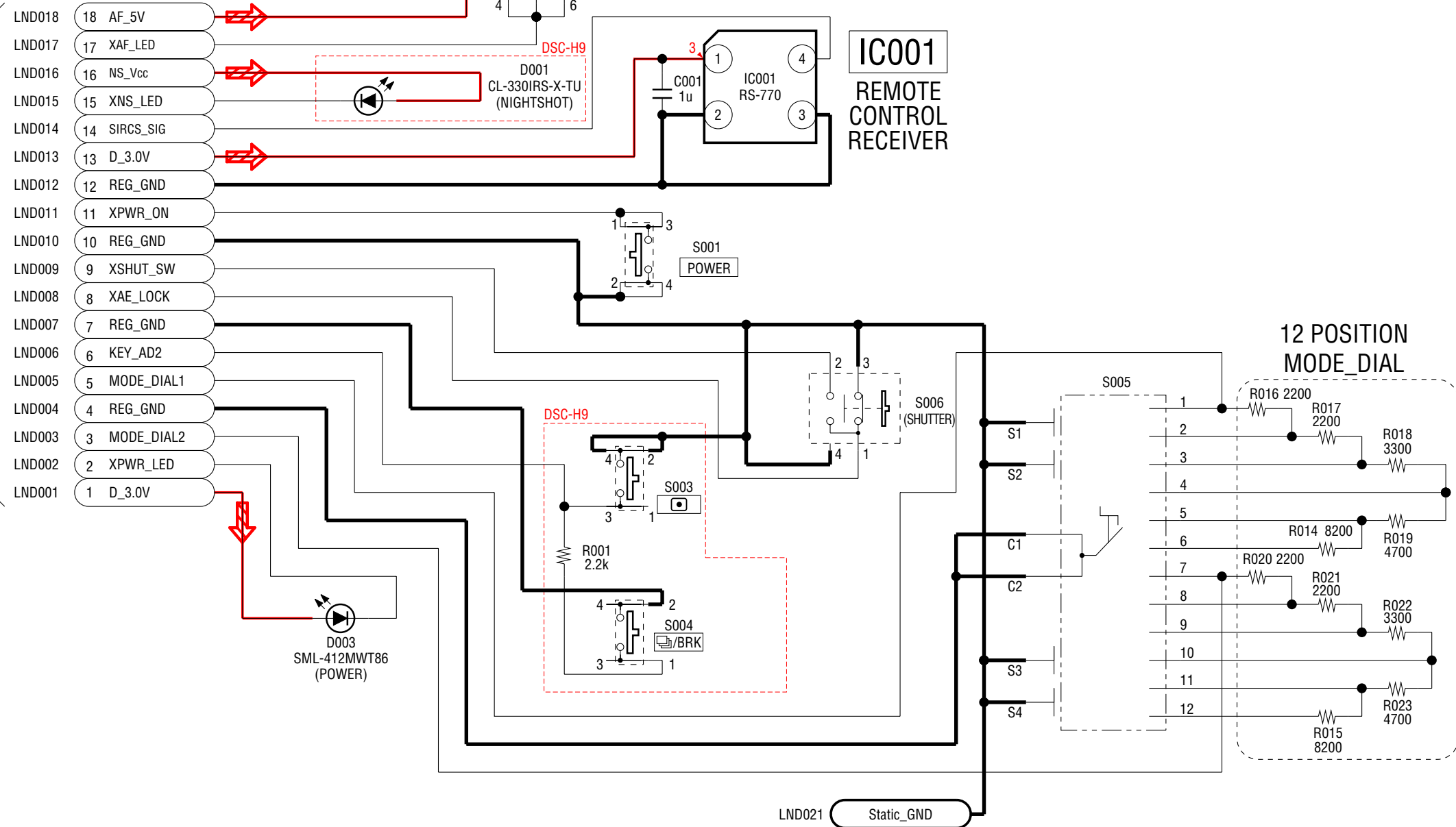






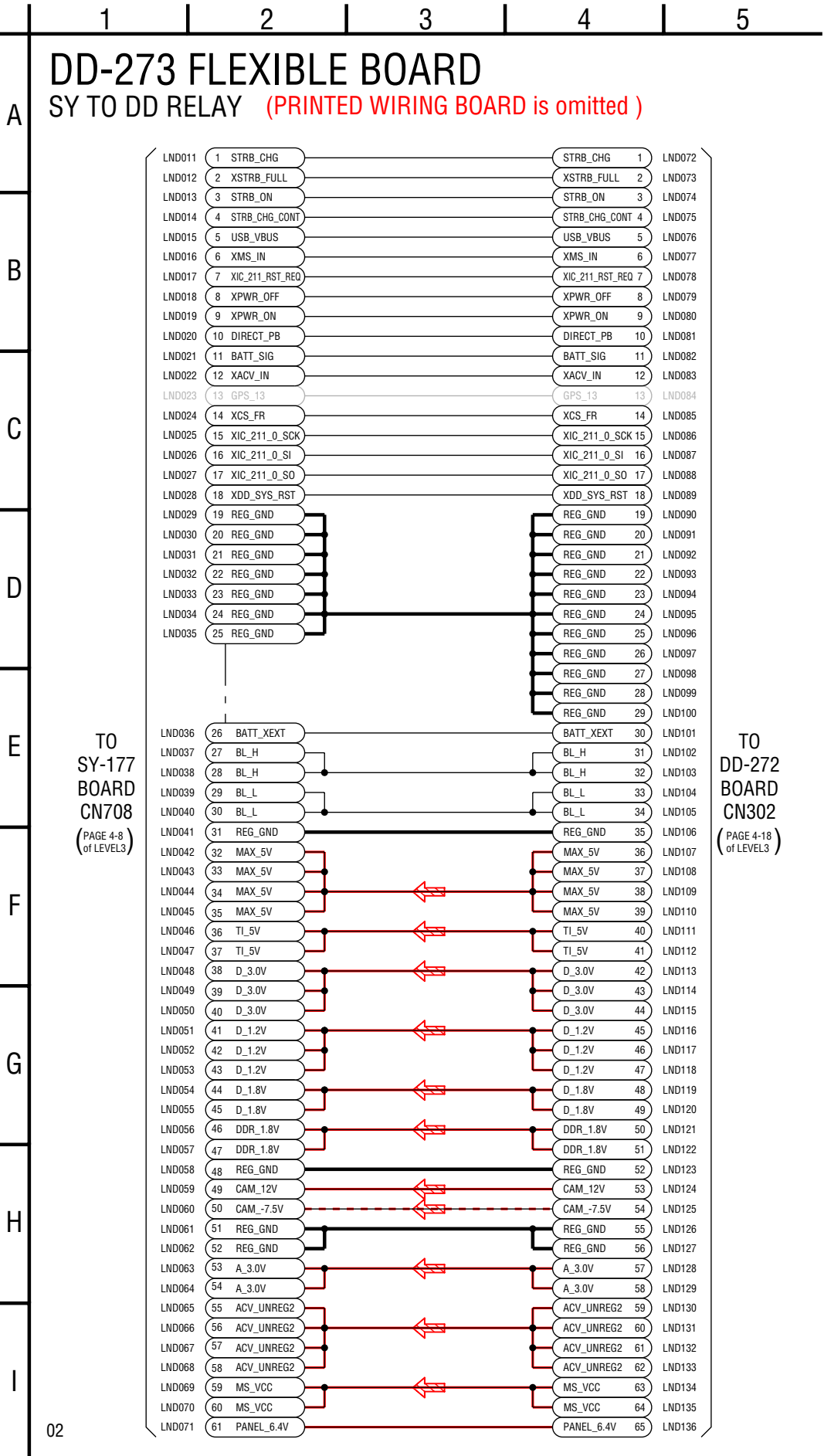
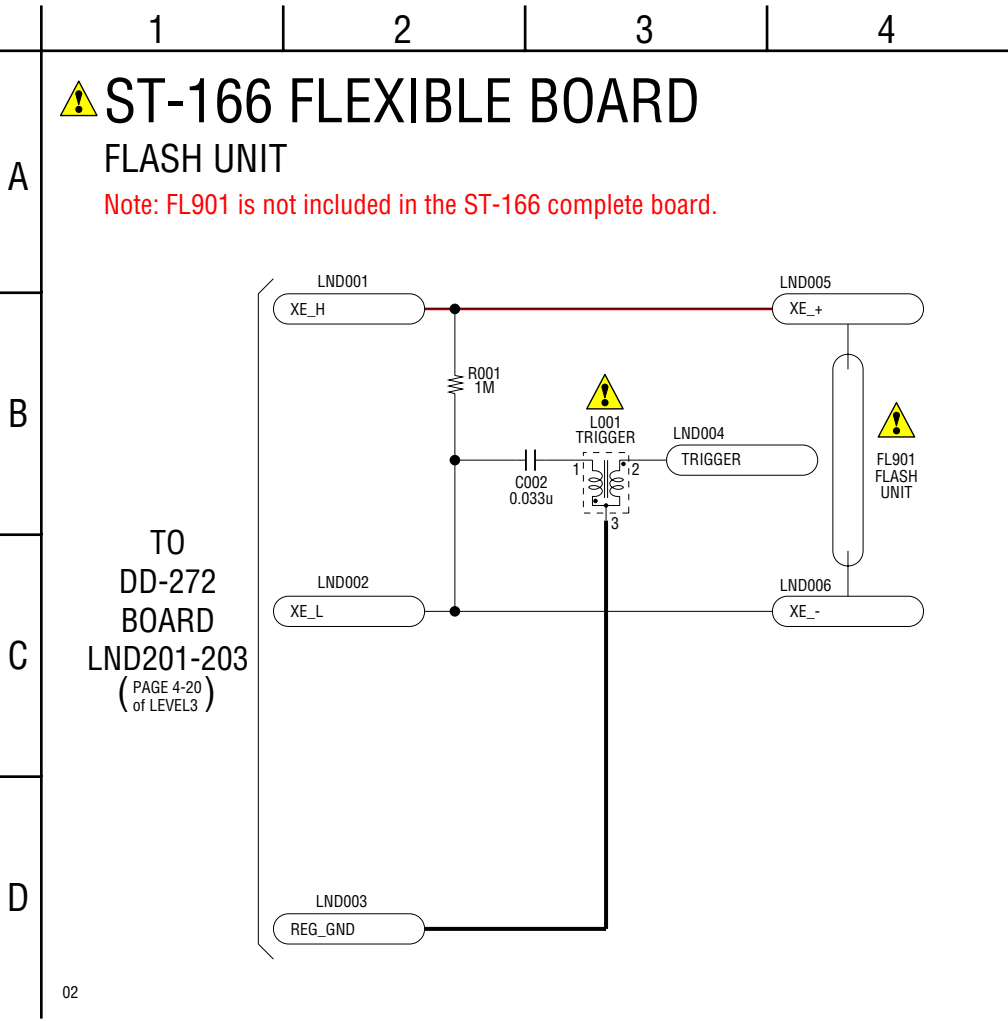
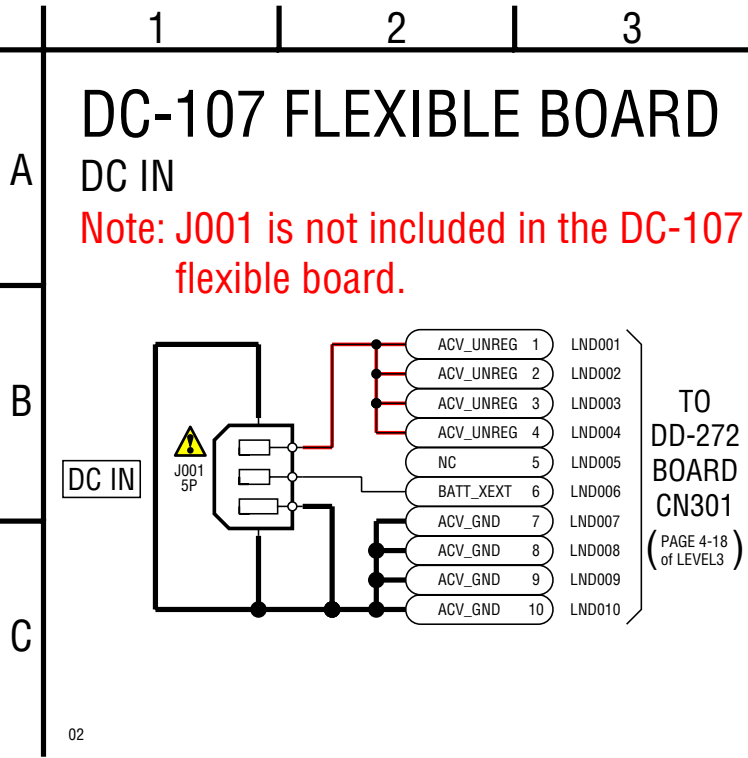
PW-134 FLEXIBLE BOARD FUNCTION SWITCH

TO
SY-177
BOARD
CN702
(PAGE 4-6
of LEVEL3)



02

Schematic diagrams of the DD-272 board is not shown.
Pages from 4-18 to 4-20 are not shown.



4-3. PRINTED WIRING BOARDS

Link

• CD-703 FLEXIBLE BOARD	• PY-002 FLEXIBLE BOARD
• CK-180 BOARD: DSC-H7	• SW-499 BOARD: DSC-H9
• CK-181 FLEXIBLE BOARD: DSC-H7	• SW-500 BOARD: DSC-H7
• CK-179 BOARD: DSC-H9	• PL-046 BOARD: DSC-H7
• CK-182 FLEXIBLE BOARD: DSC-H9	• PL-047 BOARD: DSC-H9
• JK-338 BOARD	• PW-134 FLEXIBLE BOARD
• MS-364 BOARD: DSC-H7	• DC-107 FLEXIBLE BOARD
• MS-366 BOARD: DSC-H9	• ST-166 FLEXIBLE BOARD

• COMMON NOTE FOR PRINTED WIRING BOARDS

4-3. PRINTED WIRING BOARDS

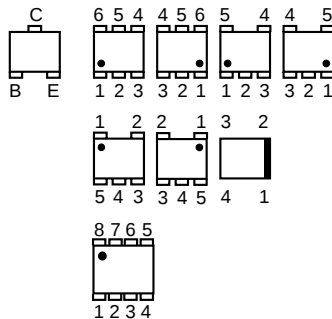
4-3. PRINTED WIRING BOARDS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS

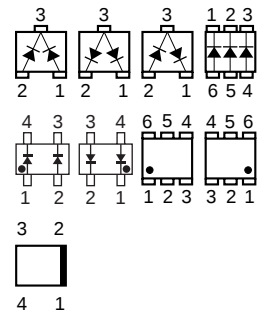
-  : Uses unleaded solder.
-  : Circuit board
-  : Flexible board
-  : Pattern from the side which enables seeing.
-  : pattern of the rear side
(The other layers' patterns are not indicated)
- Through hole is omitted.
- There are a few cases that the part printed on diagram isn't mounted in this model.
-  : panel designation

- Chip parts.

Transistor

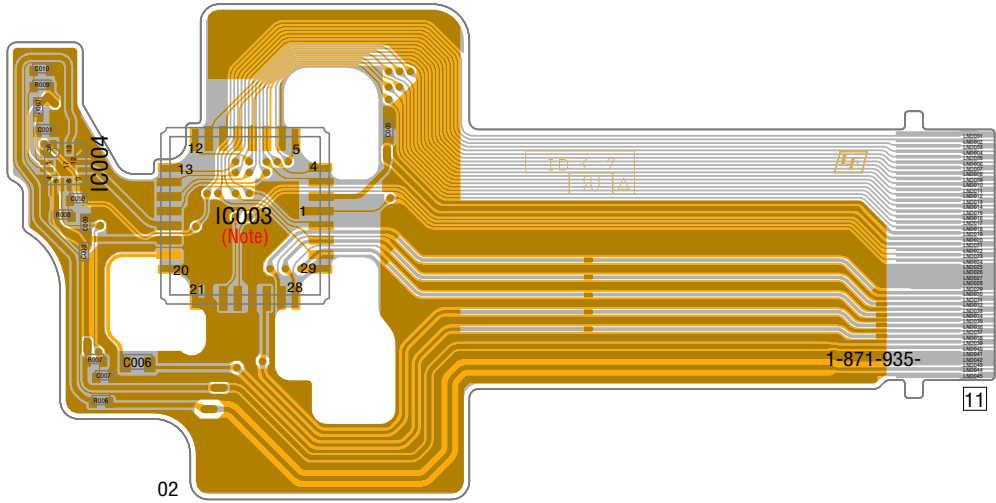


Diode



Printed wiring boards of the SY-177 and DD-272 boards are not shown.
Pages from 4-23 to 4-24 are not shown.

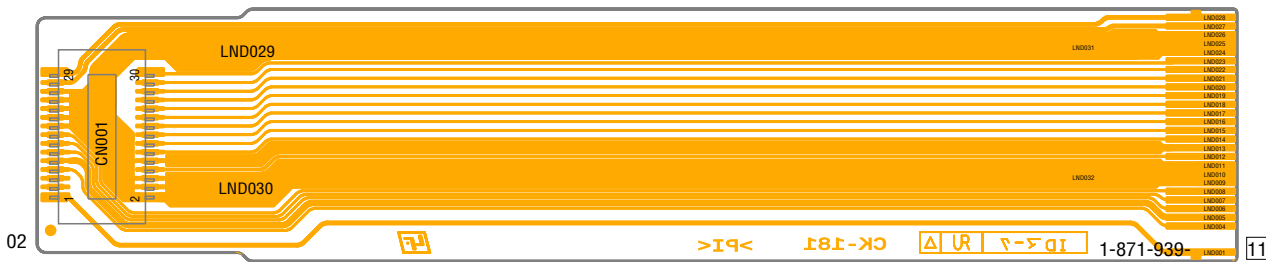
CD-703 FLEXIBLE BOARD ^(Note)



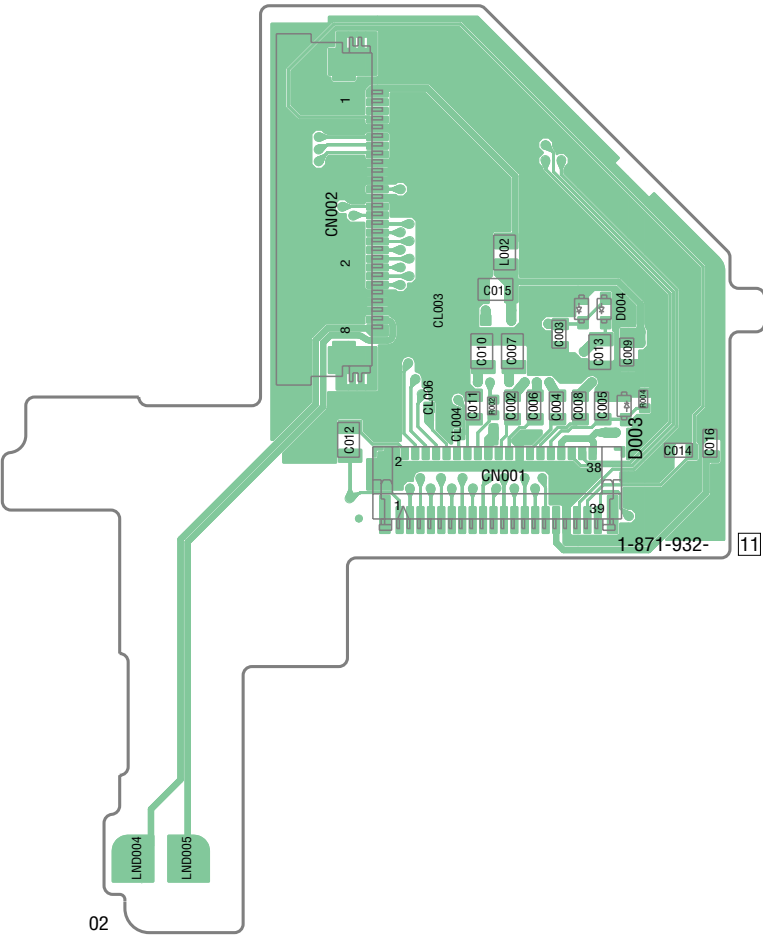
Note: CD-703 flexible board and IC003 are not supplied, they are included in CCD BLOCK ASSY.

DSC-H7

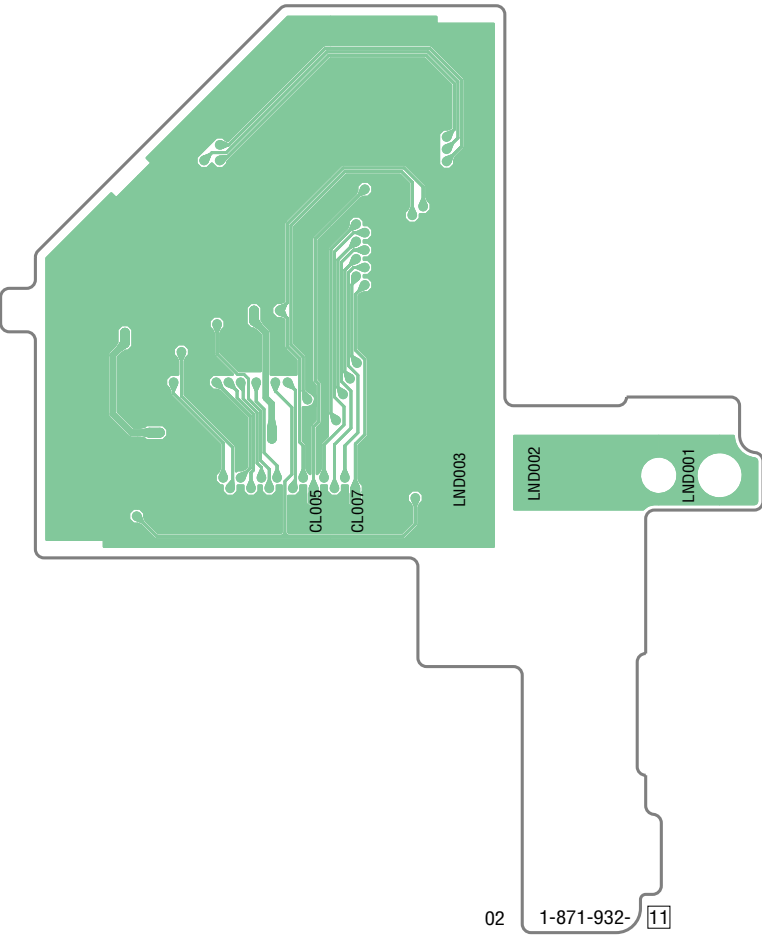
CK-181 FLEXIBLE BOARD



CK-180 BOARD (SIDE A)

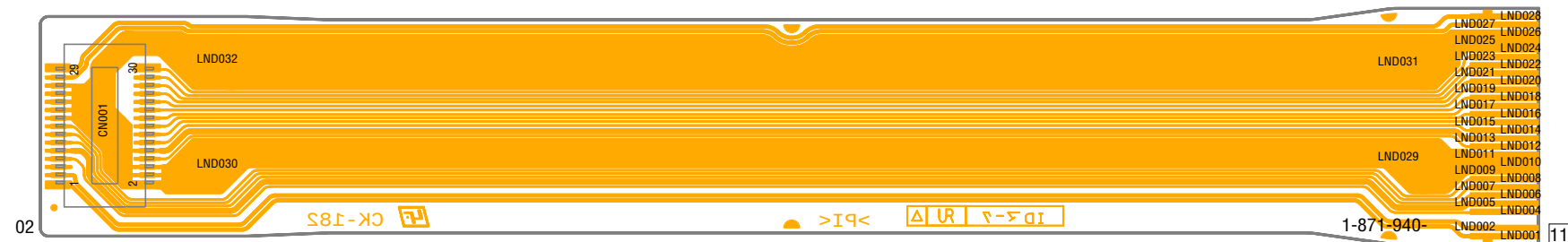


CK-180 BOARD (SIDE B)



LF : Uses unleaded solder.

CK-179 BOARD (SIDE A)



LF : Uses unleaded solder.

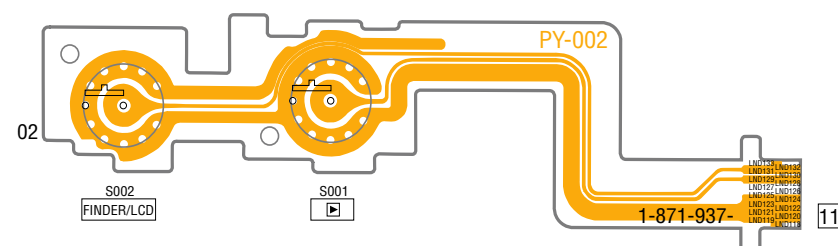
DSC-H7

Diagram of the back of the device, showing the internal circuit board and connector CN301. The board is green with white traces. The connector is labeled CN301 and has pins numbered 1 through 16. The board is mounted on a white substrate. The device is labeled 02 and 11.

PY-002 (1 layer), SW-499 (2 layers), SW-500 (2 layers)

 : Uses unleaded solder.

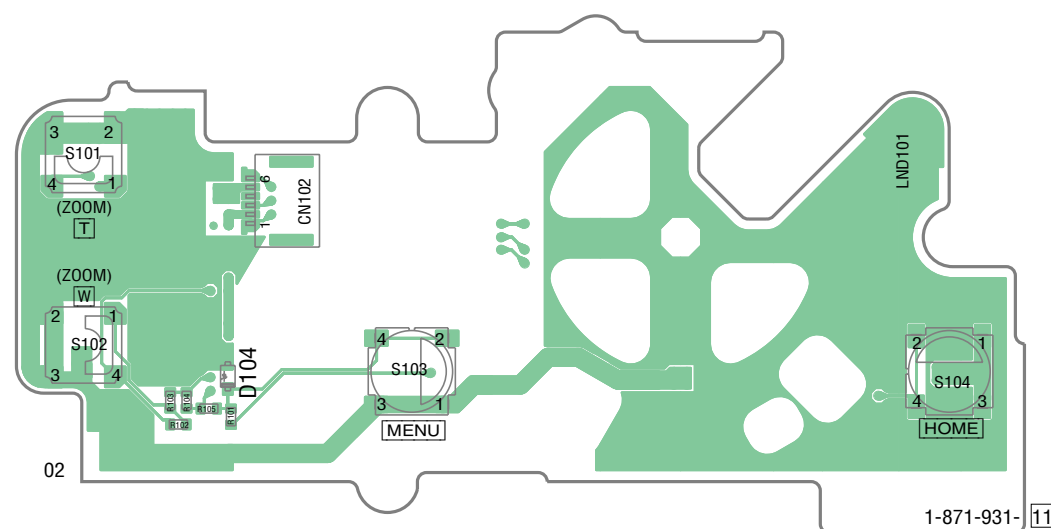
PY-002 FLEXIBLE BOARD



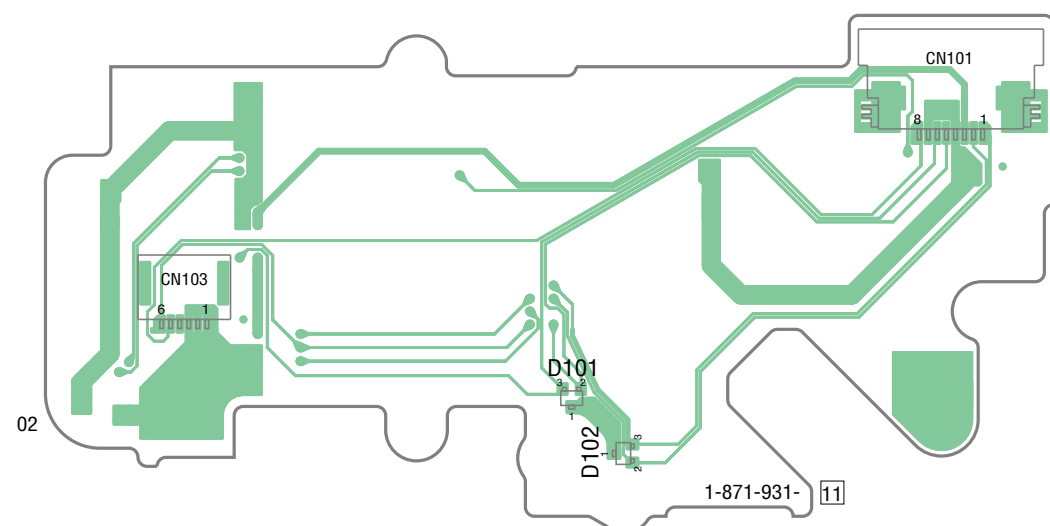
Note: S001 and S002 are not supplied, but they are included in the PY-002 flexible board.

DSC-H9

SW-499 BOARD (SIDE A)

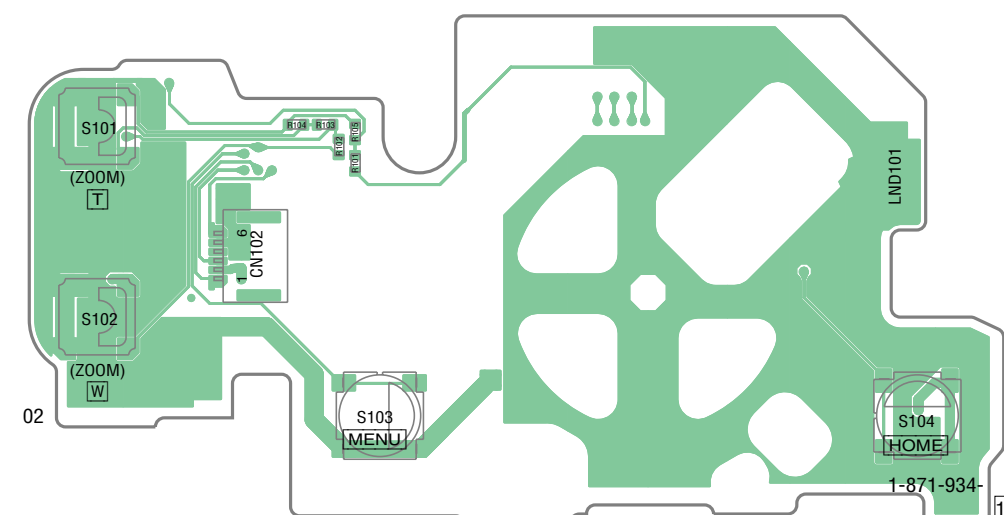


SW-499 BOARD (SIDE B)

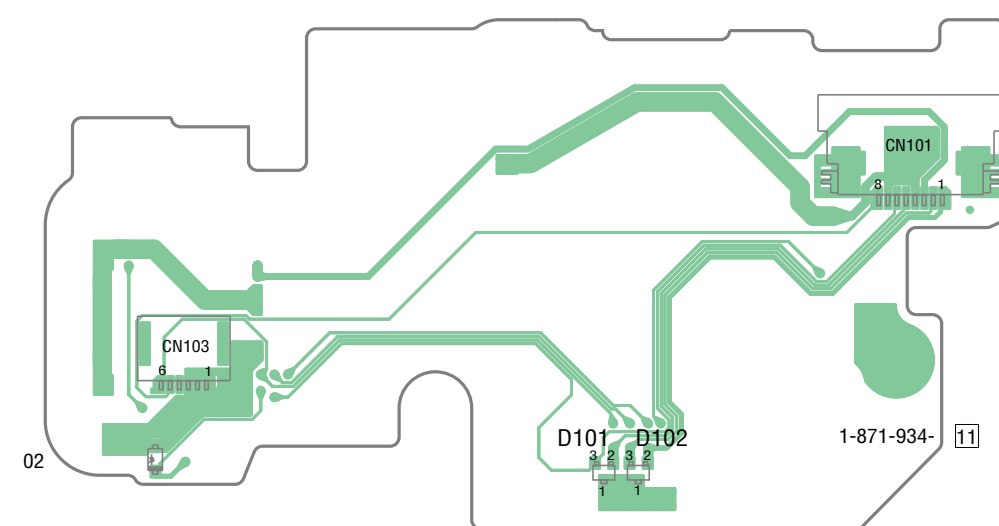


DSC-H7

SW-500 BOARD (SIDE A)



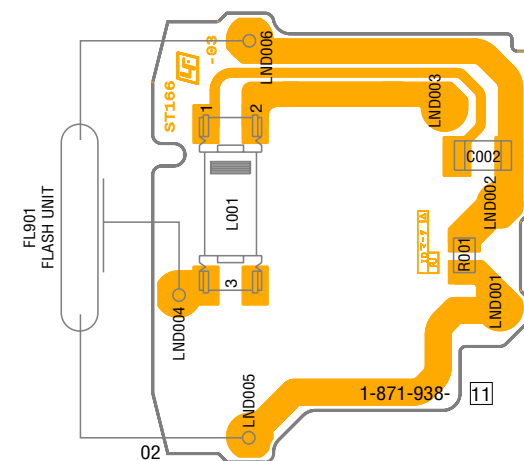
SW-500 BOARD (SIDE B)



LF : Uses unleaded solder.

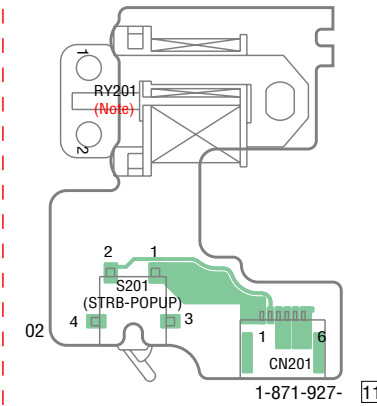
ST-166

FLEXIBLE BOARD

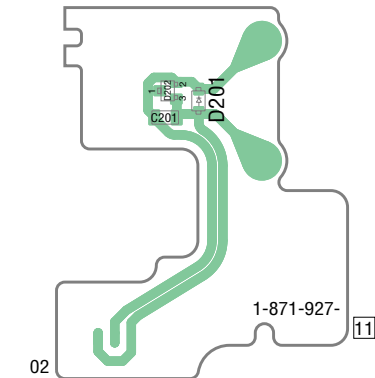


DSC-H7

PL-046 BOARD (SIDE A)

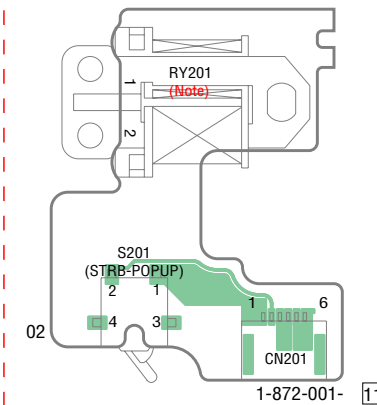


PL-046 BOARD
(SIDE B)

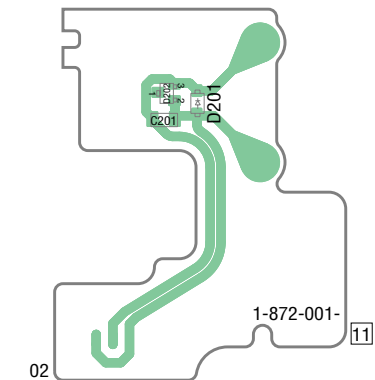


DSC-H9

PL-047 BOARD (SIDE A)



PL-047 BOARD (SIDE B)



Note: RY201 is not included in the PL-047 complete board.

PL-046, PL-047, PW-134, DD-273, ST-166

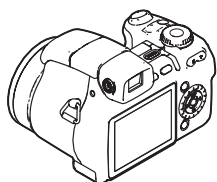
Mounted parts location of the SY-177 and DD-272 boards are not shown.
Page 4-30 to 4-31 is not shown.

5. REPAIR PARTS LIST

NOTE: Characters **A** to **Z** of the electrical parts list indicate location of exploded views in which the desired part is shown.

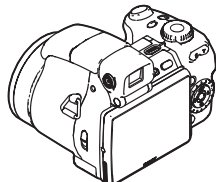
Link

EXPLODED VIEWS



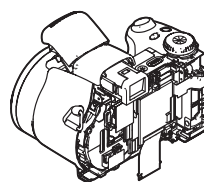
A

OVERALL SECTION:DSC-H7



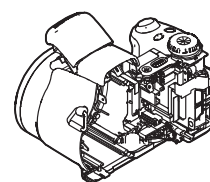
B

OVERALL SECTION:DSC-H9



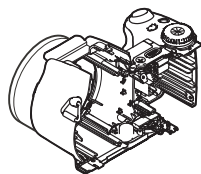
C

CABINET (FRONT) SECTION-1



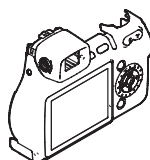
D

CABINET (FRONT) SECTION-2



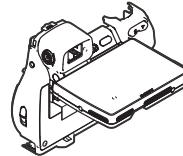
E

CABINET (FRONT) SECTION-3



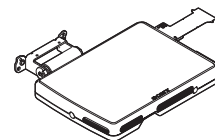
F

CABINET (REAR) SECTION:DSC-H7



G

CABINET (REAR) SECTION:DSC-H9



H

LCD SECTION:DSC-H9

Link

ELECTRICAL PARTS LIST

ACCESSORIES

• CD-703 FLEXIBLE BOARD C	• JK-338 BOARD A B	• PY-002 FLEXIBLE BOARD F G
• CK-179 BOARD:DSC-H9 H	• MS-364 BOARD:DSC-H7 D	• ST-166 FLEXIBLE BOARD D
• CK-180 BOARD:DSC-H7 F	• MS-365 FLEXIBLE BOARD D	• SW-499 BOARD:DSC-H9 G
• CK-181 FLEXIBLE BOARD:DSC-H7 F	• MS-366 BOARD:DSC-H9 D	• SW-500 BOARD:DSC-H7 F
• CK-182 FLEXIBLE BOARD:DSC-H9 H	• PL-046 BOARD:DSC-H7 D	• SW-504 FLEXIBLE BOARD F G
• DC-107 FLEXIBLE BOARD D	• PL-047 BOARD:DSC-H9 D	
• DD-273 FLEXIBLE BOARD D	• PW-134 FLEXIBLE BOARD E	

5. REPAIR PARTS LIST

5. REPAIR PARTS LIST

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...
- Abbreviation
AR : Argentine model
AUS : Australian model
BR : Brazilian model
CH : Chinese model
CND : Canadian model
HK : Hong Kong model
J : Japanese model
JE : Tourist model
KR : Korea model

When indicating parts by reference number, please include the board name.

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.

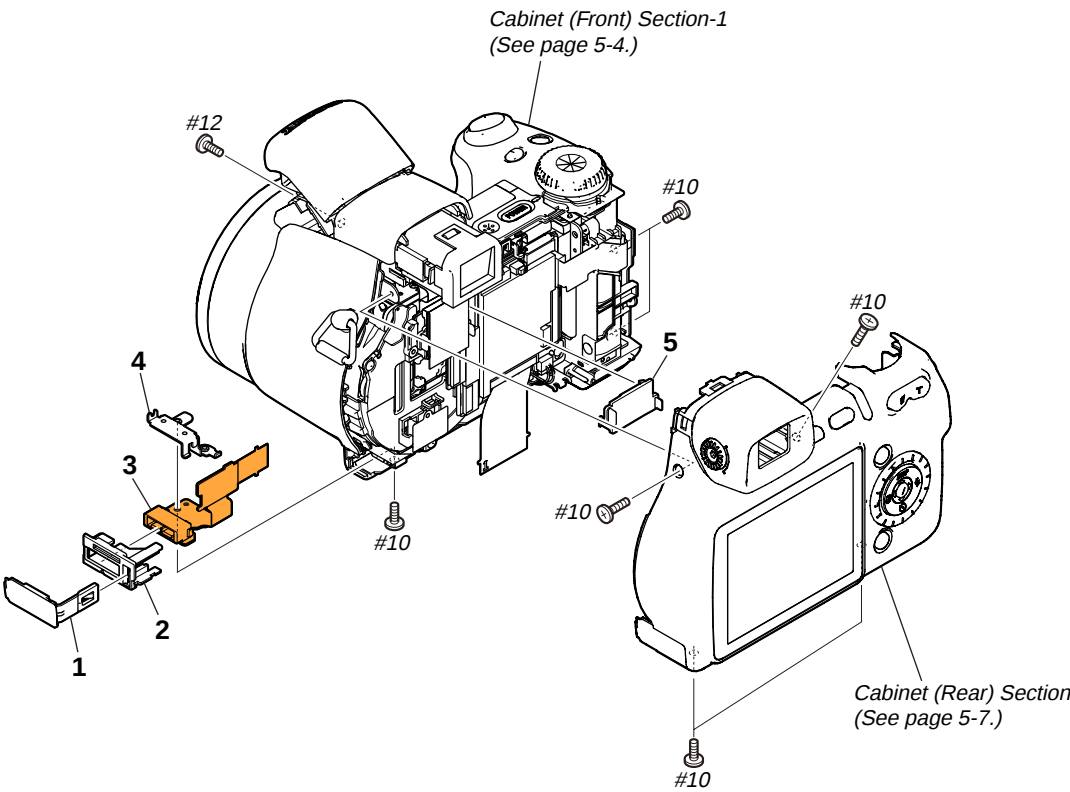
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1. EXPLODED VIEWS

5-1-1. OVERALL SECTION : DSC-H7



• Refer to page 5-1 for mark △.

Ref. No.	Part No.	Description
1	3-106-776-01	LID, JACK (SILVER)
1	3-106-776-11	LID, JACK (BLACK)
* 2	3-106-777-01	HOLDER, MULTI (SILVER)
* 2	3-106-777-11	HOLDER, MULTI (BLACK)
△ 3	A-1251-450-A	JK-338 BOARD, COMPLETE

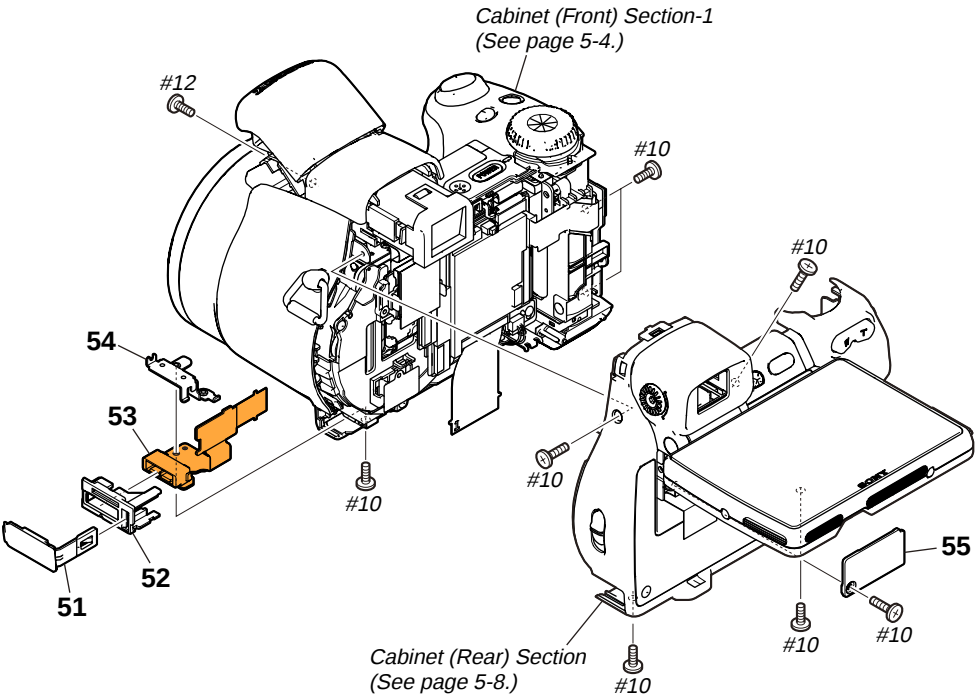
Ref. No.	Part No.	Description
* 4	3-106-778-01	PLATE, MULTI FIXED
* 5	3-106-780-01	HOLDER, FPC
#10	2-599-475-31	SCREW (M1.7) (Silver)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)

5. REPAIR PARTS LIST

5-1-2. OVERALL SECTION : DSC-H9

DISASSEMBLY

HARDWARE LIST



• Refer to page 5-1 for mark △.

Ref. No.	Part No.	Description
51	3-106-776-01	LID, JACK (SILVER)
51	3-106-776-11	LID, JACK (BLACK)
* 52	3-106-777-01	HOLDER, MULTI (SILVER)
* 52	3-106-777-11	HOLDER, MULTI (BLACK)
△ 53	A-1251-450-A	JK-338 BOARD, COMPLETE
* 54	3-106-778-01	PLATE, MULTI FIXED

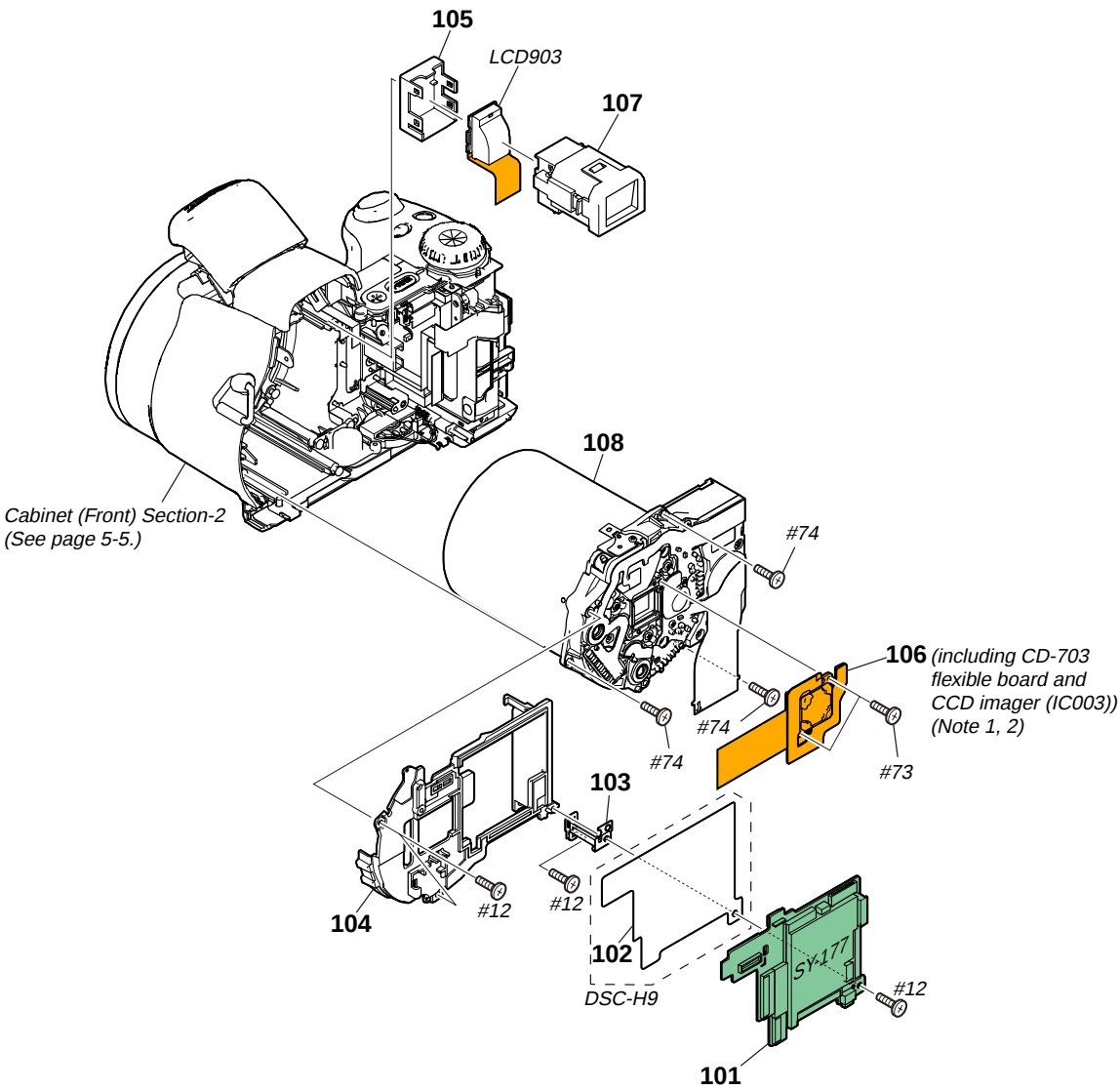
Ref. No.	Part No.	Description
* 55	3-106-782-01	LID, SY BLIND (SILVER)
* 55	3-106-782-11	LID, SY BLIND (BLACK)
#10	2-599-475-31	SCREW (M1.7) (Silver)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)

5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-3. CABINET (FROMT) SECTION-1



Note 1: CCD部組はマウント済D-703 フレキシブル基板を含みます。

Note 2: イメージャ交換は4-2ページの Precautions for Replacement of Imageを必ずお読みください。

• Refer to page 5-1 for mark △.

Ref. No.	Part No.	Description
△ 101	A-1256-807-A	SY-177 BOARD, COMPLETE (SERVICE) (H7)
△ 101	A-1256-808-A	SY-177 BOARD, COMPLETE (SERVICE) (H9)
* 102	3-211-271-01	SHEET, SY RADIATION, (H9)
* 103	3-106-773-01	PLATE, SY GROUND
* 104	3-106-772-01	FRAME, SY
* 105	3-106-681-01	RETAINER, MODULE
106	A-1251-208-A	CCD BLOCK ASSY
107	X-2177-453-1	VF ASSY

Note 1: CCD block assembly is including CD-703 flexible completed board.

Note 2: Be sure to read "Precautions for Replacement of Imager" on page 4-2.

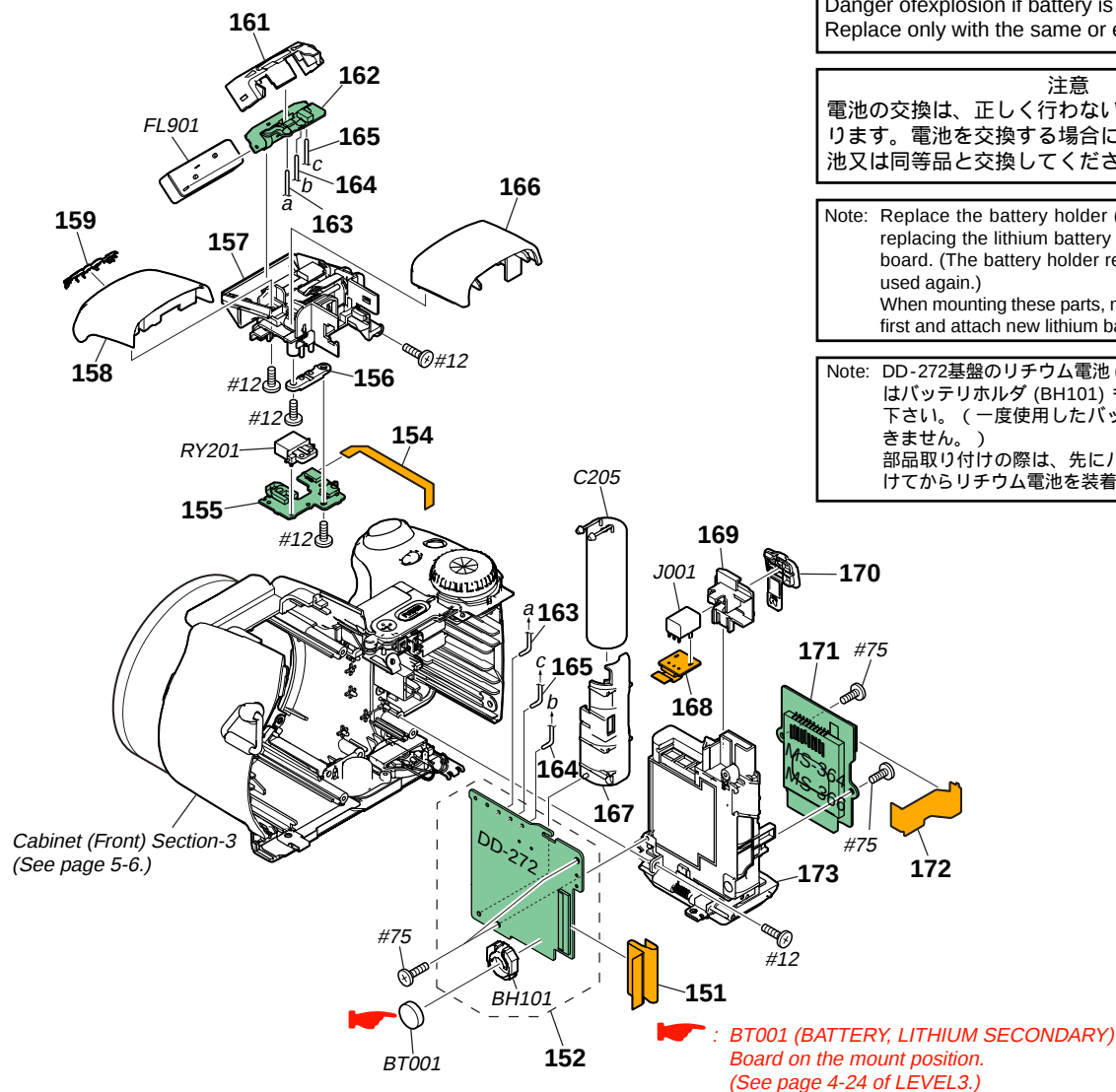
Ref. No.	Part No.	Description
108	A-1268-104-A	LENS BLOCK ASSY (SERVICE USE)
LCD903	1-802-033-12	LCD MODULE
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#73	3-086-156-61	SCREW B1.2 (Black)
#74	2-666-551-31	SCREW, TAPPING, P2 (Silver)

5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-4. CABINET (FROMT) SECTION-2



• Refer to page 5-1 for mark △.

Ref. No.	Part No.	Description
151	1-871-952-11	DD-273 FLEXIBLE BOARD
△ 152	A-1251-444-A	DD-272 BOARD, COMPLETE (H7)
△ 152	A-1251-454-A	DD-272 BOARD, COMPLETE (H9)
154	1-833-691-11	CABLE, FLEXIBLE FLAT (PL-002)
155	A-1251-447-A	PL-046 BOARD, COMPLETE (H7)
155	A-1251-457-A	PL-047 BOARD, COMPLETE (H9)
* 156	3-106-689-01	RETAINER, SOLENOID
157	X-2177-454-1	BASE ASSY, ST
158	3-106-691-01	ST COVER (SILVER)
158	3-106-691-11	ST COVER (BLACK)
159	2-673-341-01	EMBLEM (320), ST (SILVER)
159	2-673-341-11	EMBLEM (320), ST (BLACK)
161	3-106-688-01	COVER, FL
△ 162	A-1251-449-A	ST-166 BOARD, COMPLETE
163	1-965-158-11	HARNESS (HN-042) (PINK)
164	1-965-159-11	HARNESS (HN-043) (WHITE)
165	1-965-160-11	HARNESS (HN-044) (BLUE)
166	3-106-774-01	CABINET (UPPER) (SILVER) (H7)
166	3-106-774-11	CABINET (UPPER) (SILVER) (H9)
166	3-106-774-21	CABINET (UPPER) (BLACK) (H9)

Ref. No.	Part No.	Description
166	3-106-774-31	CABINET (UPPER) (BLACK) (H7)
167	3-106-650-01	HOLDER, CAPACITOR
168	1-871-941-11	DC-107 FLEXIBLE BOARD
169	3-106-649-01	HOLDER, DC (SILVER)
169	3-106-649-11	HOLDER, DC (BLACK)
170	3-106-779-01	LID, DC (SILVER)
170	3-106-779-11	LID, DC (BLACK)
171	A-1251-448-A	MS-364 BOARD, COMPLETE (H7)
171	A-1251-458-A	MS-366 BOARD, COMPLETE (H9)
172	1-871-944-11	MS-365 FLEXIBLE BOARD
173	X-2177-455-1	HOLDER ASSY, BATTERY (SILVER)
173	X-2177-456-1	HOLDER ASSY, BATTERY (BLACK)
△ BH101	1-756-615-31	HOLDER, BATTERY
△ BT001	1-756-134-12	BATTERY, STRAGE, LITHIUM ION
△ C205	1-114-341-11	CAP, ALUMINUM ELECT 180MF 315V
△ FL901	1-480-062-11	FLASH UNIT
△ J001	1-817-331-11	DC JACK 5P (DC IN)
△ RY201	1-455-038-11	SOLENOID, PLUNGER
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)

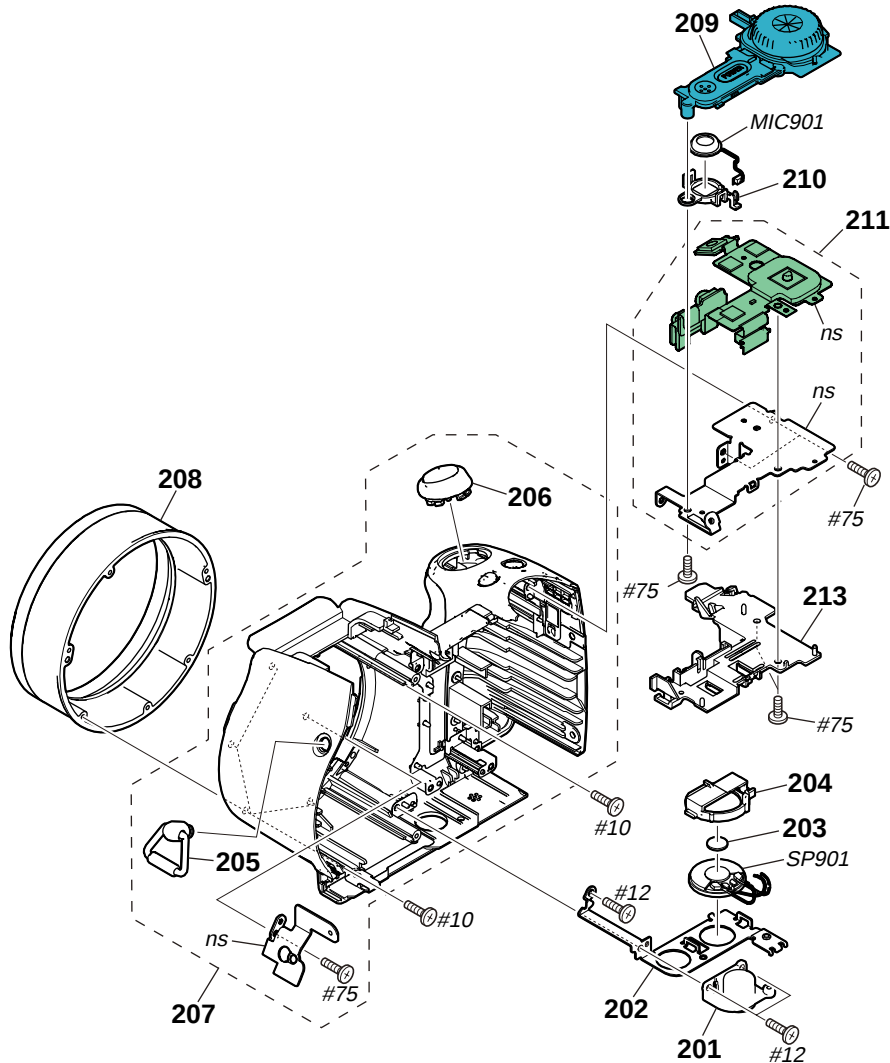
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-5. CABINET (FROMT) SECTION-3

ns: not supplied



Ref. No.	Part No.	Description
201	3-106-766-01	SCREW, TRIPOD
* 202	3-106-767-01	FRAME, TRIPOD
* 203	3-106-770-01	CUSHION, SP
* 204	3-106-769-01	HOLDER, SP
* 205	3-106-615-01	BRACKET (350), STRAP
206	X-2177-461-1	RELEASE ASSY (SILVER)
206	X-2177-462-1	RELEASE ASSY (BLACK)
207	X-2177-463-1	CABINET (FRONT) ASSY (350) (SILVER) (H7)
207	X-2177-464-1	CABINET (FRONT) ASSY (350B) (BLACK) (H7)
207	X-2177-465-1	CABINET (FRONT) ASSY (450) (SILVER) (H9)
207	X-2177-466-1	CABINET (FRONT) ASSY (450B) (BLACK) (H9)
208	3-106-768-01	RING, LENS (SILVER)
208	3-106-768-11	RING, LENS (BLACK)

Ref. No.	Part No.	Description
209	X-2177-457-1	DIAL ASSY, MODE (SILVER)
209	X-2177-458-1	DIAL ASSY, MODE (BLACK)
210	3-106-679-01	HOLDER, MICROPHONE
211	A-1256-815-A	PW-134 BOARD, COMPLETE (SERVICE) (H7)
211	A-1256-816-A	PW-134 BOARD, COMPLETE (SERVICE) (H9)
* 213	3-106-677-01	BASE, RL
MIC901	1-542-728-11	MICROPHONE
SP901	1-825-262-71	LOUD SPEAKER (1.6CM)
#10	2-599-475-31	SCREW (M1.7) (Silver)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)

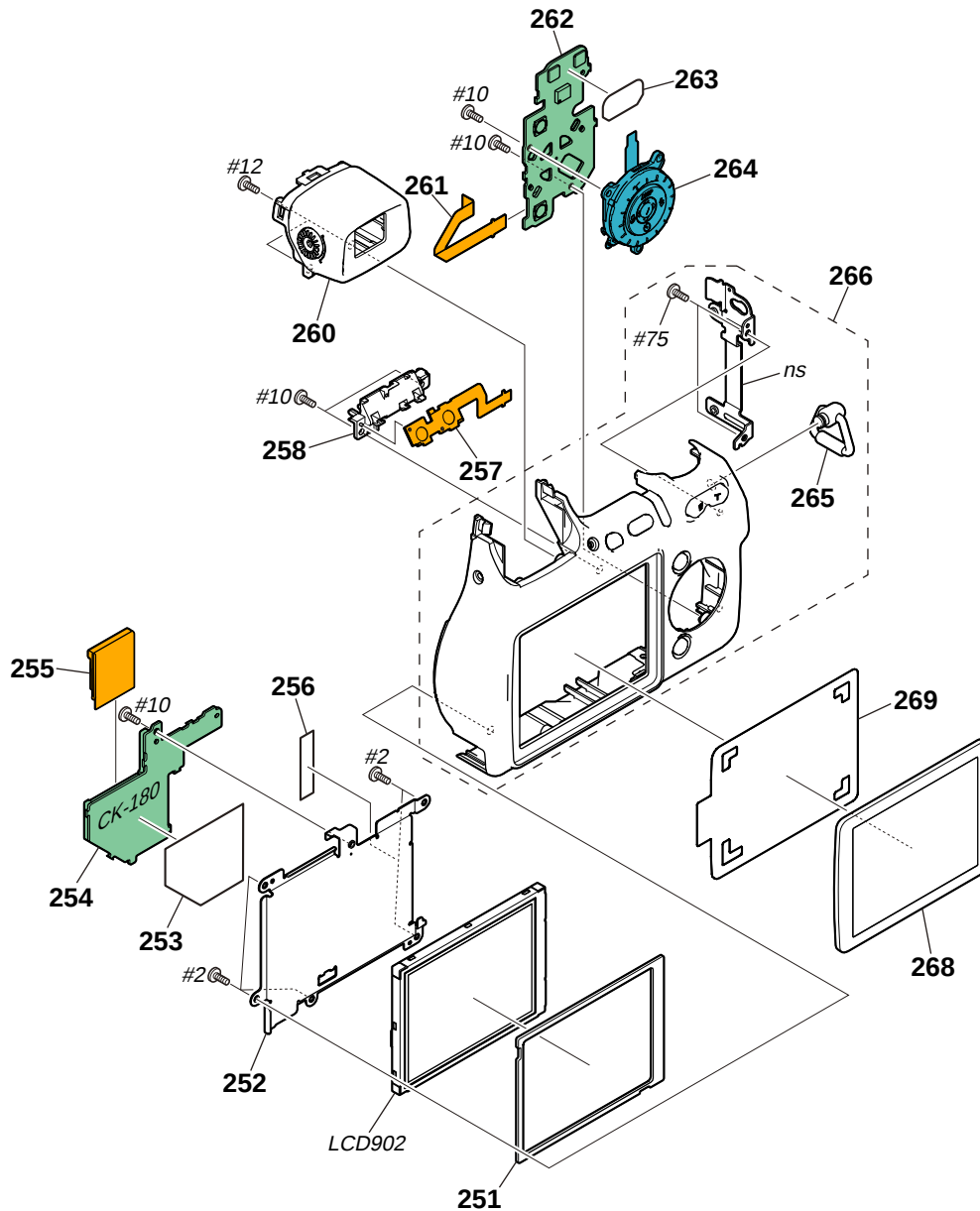
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-6. CABINET (REAR) SECTION : DSC-H7

ns: not supplied



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
251	3-106-736-01	CUSHION (350), LCD	264	1-480-173-21	SWITCH BLOCK, CONTROL (SW60350) (BLACK)
252	3-106-735-01	FRAME (350), LCD	* 265	3-106-615-01	BRACKET (350), STRAP
* 253	3-106-739-01	SHEET (350), INSULATING	266	X-2177-449-1	CABINET (REAR) ASSY (350) (SILVER)
254	A-1251-445-A	CK-180 BOARD, COMPLETE	266	X-2177-450-1	CABINET (REAR) ASSY (350B) (BLACK)
255	A-1251-453-A	CK-181 BOARD, COMPLETE	268	3-106-775-01	WINDOW (350), LCD
* 256	3-215-730-01	TAPE (1335)	269	3-106-614-01	SHEET (350), WINDOW ADHESIVE
257	1-871-937-11	PY-002 FLEXIBLE BOARD	* LCD902	1-802-379-21	LCDMODULE(LQ025A3DD01R)
* 258	3-106-737-01	RETAINER, FL	#2	2-635-562-31	SCREW (M1.7) (Black)
260	X-2177-445-1	EYE CUP ASSY (350) (SILVER)	#10	2-599-475-31	SCREW (M1.7) (Silver)
260	X-2177-446-1	EYE CUP ASSY (350B) (BLACK)	#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
261	1-872-388-11	SW-504 FLEXIBLE BOARD	#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)
262	A-1251-446-A	SW-500 BOARD, COMPLETE			
* 263	3-106-738-01	SHEET, MUFFLE			
264	1-480-173-11	SWITCH BLOCK, CONTROL (SW60350) (SILVER)			

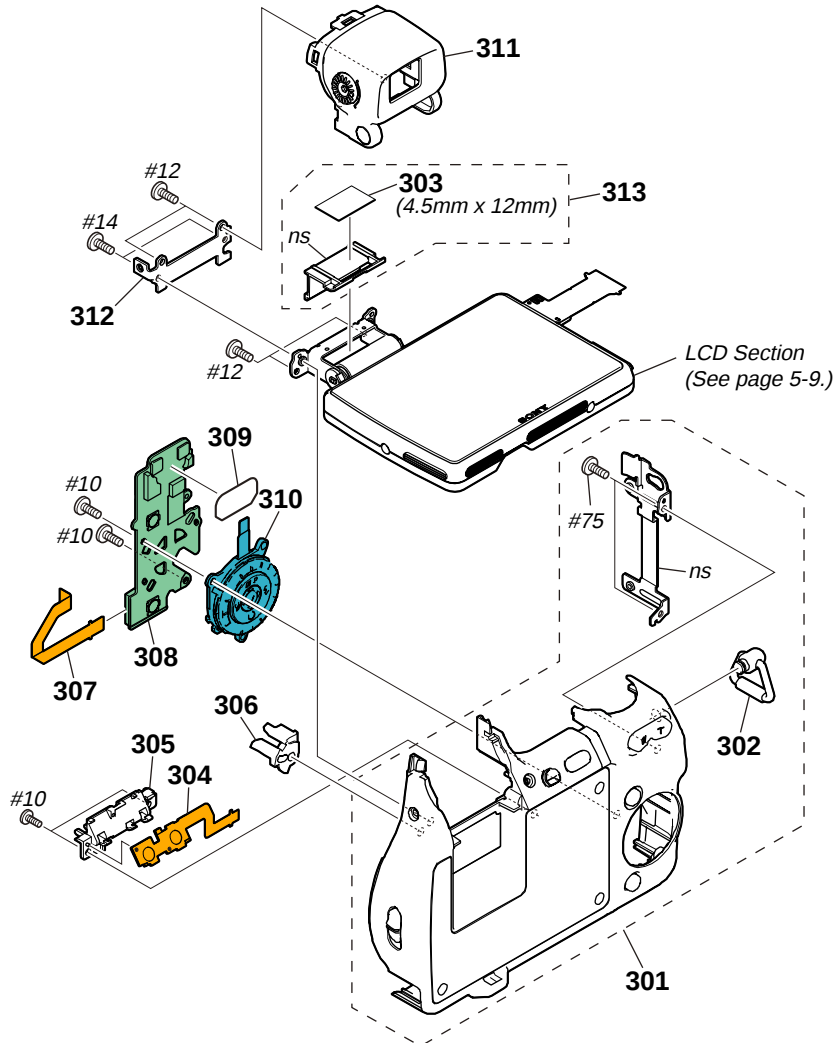
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-7. CABINET (REAR) SECTION : DSC-H9

ns: not supplied



CAUTION: 303番は、接着紙(2-649-300-01)を切って使用。

CAUTION:
For the part of 303, cut SHEET, ADHESIVE(2-649-300-01) into the desired length and use it.

Ref. No.	Part No.	Description
301	X-2177-451-1	CABINET (REAR) ASSY (450) (SILVER)
301	X-2177-452-1	CABINET (REAR) ASSY (450B) (BLACK)
* 302	3-106-615-01	BRACKET (350), STRAP
303	CAUTION	SHEET, ADHESIVE
304	1-871-937-11	PY-002 FLEXIBLE BOARD
* 305	3-106-737-01	RETAINER, FL
306	3-106-742-01	ARM (UPPER), NS
307	1-872-388-11	SW-504 FLEXIBLE BOARD
308	A-1251-456-A	SW-499 BOARD, COMPLETE
* 309	3-106-738-01	SHEET, MUFFLE
310	1-480-173-11	SWITCH BLOCK, CONTROL (SW60350) (SILVER)

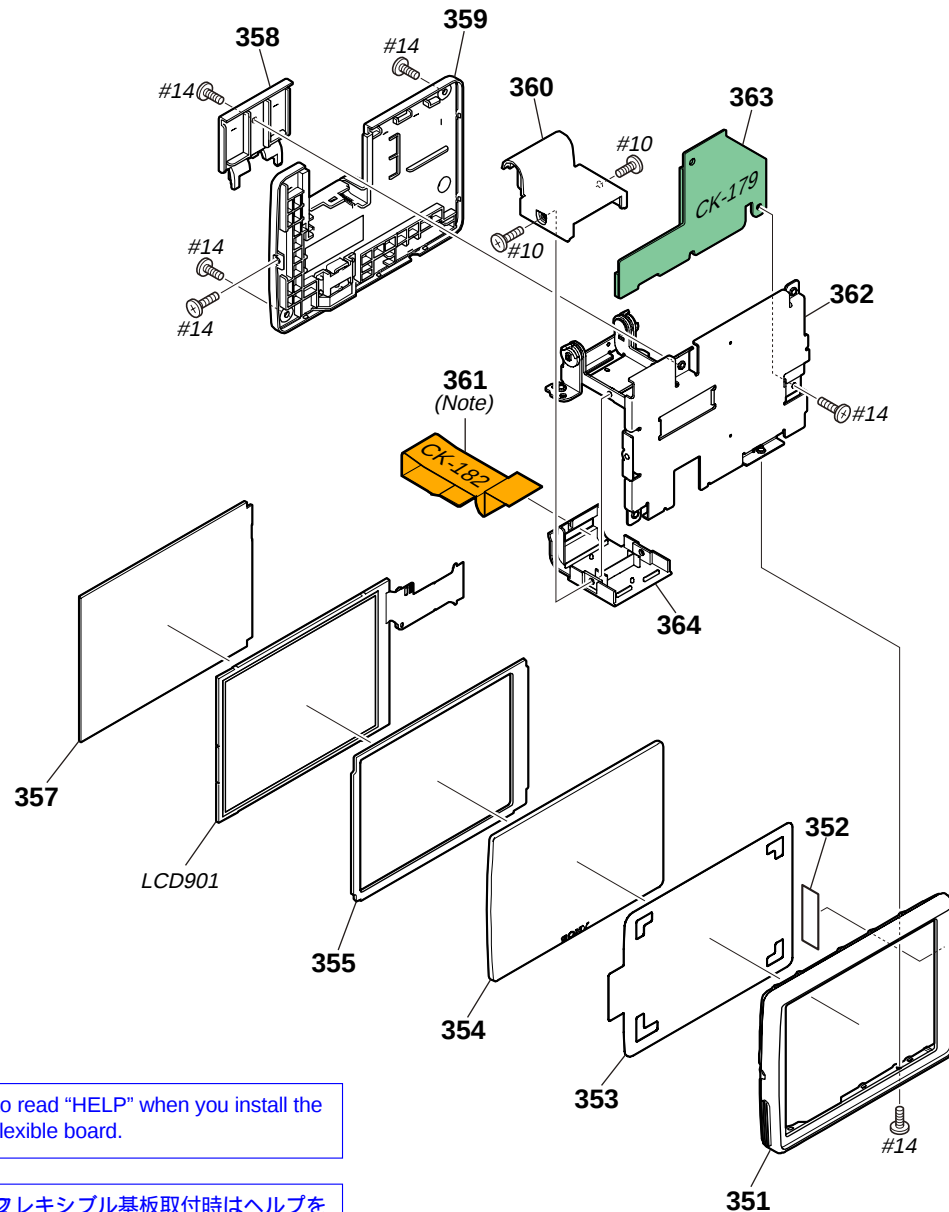
Ref. No.	Part No.	Description
310	1-480-173-21	SWITCH BLOCK, CONTROL (SW60350) (BLACK)
311	X-2177-447-1	EYE CUP ASSY (450) (SILVER)
311	X-2177-448-1	EYE CUP ASSY (450B) (BLACK)
* 312	3-106-741-01	SHEET METAL (450), DRIVING
313	X-2178-450-1	BLIND ASSY (B), CABINET (REAR) (BLACK)
313	X-2178-452-1	BLIND ASSY, CABINET (REAR) (SILVER)
#10	2-599-475-31	SCREW (M1.7) (Silver)
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#14	2-599-475-11	SCREW (M1.7) (Silver)
#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)

5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-8. LCD SECTION : DSC-H9



Note : Be sure to read "HELP" when you install the CK-182 flexible board.

Note : CK-182 レキシブル基板取付時はヘルプを必ずお読みください。

Ref. No.	Part No.	Description
351	3-106-586-01	CABINET (M), P (SILVER)
351	3-106-586-11	CABINET (M), P (BLACK)
* 352	3-106-605-01	SHEET, FLEXIBLE PROTECTION
353	3-106-587-01	SHEET, LCD WINDOW ADHESIVE
354	3-106-781-01	WINDOW, LCD
355	3-106-604-01	CUSHION, LCD
357	1-480-023-11	BLOCK, LIGHT GUIDE PLATE (3.0)
358	3-106-603-01	BLIND, HINGE (SILVER)
358	3-106-603-11	BLIND, HINGE (BLACK)
359	X-2177-440-1	CABINET (C) ASSY (B), P (SILVER)
359	X-2177-441-1	CABINET (C) ASSY (B), P (BLACK)

Ref. No.	Part No.	Description
360	3-106-602-11	COVER (M), HINGE (BLACK)
360	3-106-602-01	COVER (M), HINGE (SILVER)
361	A-1251-460-A	CK-182 BOARD, COMPLETE
362	X-2177-444-1	HINGE ASSY
363	A-1251-455-A	CK-179 BOARD, COMPLETE
364	3-106-601-01	COVER (C), HINGE (SILVER)
364	3-106-601-11	COVER (C), HINGE (BLACK)
LCD901	A-1257-852-A	SERVICE, LCD BLOCK ASSY
#10	2-599-475-31	SCREW (M1.7) (Silver)
#14	2-599-475-11	SCREW (M1.7) (Silver)

CD-703**CK-179****CK-180****CK-181****CK-182****DC-107****5-2. ELECTRICAL PARTS LIST**

Ref. No.	Part No.	Description				
	A-1251-208-A	CCD BLOCK ASSY				
	(Not supplied)	CD-703 FLEXIBLE BOARD				

(CD-703 board and IC003 are not supplied, but this is included in CCD BLOCK ASSY.)						
< CAPACITOR >						
C001	1-164-943-81	CERAMIC CHIP	0.01UF	10%	16V	
C003	1-100-505-11	CERAMIC CHIP	0.1UF	20%	16V	
C005	1-125-777-11	CERAMIC CHIP	0.1UF	10%	10V	
C006	1-107-826-11	CERAMIC CHIP	0.1UF	10%	16V	
C007	1-164-943-81	CERAMIC CHIP	0.01UF	10%	16V	
C008	1-164-943-81	CERAMIC CHIP	0.01UF	10%	16V	
C009	1-100-505-11	CERAMIC CHIP	0.1UF	20%	16V	
C010	1-164-943-81	CERAMIC CHIP	0.01UF	10%	16V	
< IC >						
IC003	(Not supplied)	IC ICX636LQP-13				
IC004	8-753-275-39	IC CXA3741UR-T9				
< RESISTOR >						
R003	1-218-985-11	RES-CHIP	470K	5%	1/16W	
R006	1-218-990-81	CONDUCTOR, CHIP (1005)				
R007	1-218-986-11	RES-CHIP	560K	5%	1/16W	
R008	1-220-212-11	RES-CHIP	300K	5%	1/16W	
R009	1-218-982-11	RES-CHIP	270K	5%	1/16W	
A-1251-455-A		CK-179 BOARD, COMPLETE (H9)				

< CAPACITOR >						
C001	1-165-908-11	CERAMIC CHIP	1UF	10%	10V	
C002	1-165-908-11	CERAMIC CHIP	1UF	10%	10V	
C003	1-119-923-11	CERAMIC CHIP	0.047UF	10%	10V	
C004	1-125-891-11	CERAMIC CHIP	0.47UF	10%	10V	
C005	1-165-908-11	CERAMIC CHIP	1UF	10%	10V	
C006	1-125-777-11	CERAMIC CHIP	0.1UF	10%	10V	
C007	1-165-908-11	CERAMIC CHIP	1UF	10%	10V	
C008	1-112-300-91	CERAMIC CHIP	4.7UF	10%	10V	
C009	1-100-966-91	CERAMIC CHIP	4.7UF	10%	10V	
C010	1-165-908-11	CERAMIC CHIP	1UF	10%	10V	
C011	1-165-989-11	CERAMIC CHIP	10UF	10%	6.3V	
C012	1-100-966-91	CERAMIC CHIP	10UF	20%	10V	
C014	1-125-777-11	CERAMIC CHIP	0.1UF	10%	10V	
< CONNECTOR >						
* CN001	1-821-248-11	CONNECTOR, FPC (ZIF) 39P				
* CN002	1-816-959-51	FFC/FPC CONNECTOR (ZIF) 28P				
< COIL >						
L001	1-400-588-11	INDUCTOR, CHIP 10UH				(2012)
L002	1-400-588-11	INDUCTOR, CHIP 10UH				(2012)
< RESISTOR >						
R004	1-218-946-11	RES-CHIP	270	5%	1/16W	
R005	1-218-946-11	RES-CHIP	270	5%	1/16W	

Ref. No.	Part No.	Description				
	A-1251-445-A	CK-180 BOARD, COMPLETE (H7)	*****			
< CAPACITOR >						
C002	1-112-298-91	CERAMIC CHIP	1UF	10%	16V	
C003	1-112-298-91	CERAMIC CHIP	1UF	10%	16V	
C004	1-112-298-91	CERAMIC CHIP	1UF	10%	16V	
C005	1-112-298-91	CERAMIC CHIP	1UF	10%	16V	
C006	1-112-298-91	CERAMIC CHIP	1UF	10%	16V	
C007	1-100-670-11	CERAMIC CHIP	4.7UF	20%	16V	
C008	1-112-298-91	CERAMIC CHIP	1UF	10%	16V	
C010	1-100-670-11	CERAMIC CHIP	4.7UF	20%	16V	
C011	1-112-298-91	CERAMIC CHIP	1UF	10%	16V	
C012	1-100-966-91	CERAMIC CHIP	10uF	20%	10V	
C013	1-100-591-91	CERAMIC CHIP	1UF	10%	25V	
C015	1-165-989-11	CERAMIC CHIP	10UF	10%	6.3V	
C016	1-165-884-91	CERAMIC CHIP	2.2uF	10%	6.3V	
< CONNECTOR >						
* CN001	1-817-544-71	CONNECTOR, FPC (ZIF) 39P				
* CN002	1-816-959-51	FFC/FPC CONNECTOR (ZIF) 28P				
< DIODE >						
D003	6-500-813-01	DIODE MA2SD32008S0				
< COIL >						
L002	1-400-588-11	INDUCTOR	10UH			
< RESISTOR >						
R002	1-218-965-11	RES, CHIP	10K	5%	1/16W	
R004	1-218-989-11	RES, CHIP	1M	5%	1/16W	
	A-1251-453-A	CK-181 BOARD, COMPLETE (H7)	*****			
< CONNECTOR >						
CN001	1-778-596-21	CONNECTOR, BOARD TO BOARD 30P				
	A-1251-460-A	CK-182 BOARD, COMPLETE (H9)	*****			
< CONNECTOR >						
CN001	1-778-596-21	CONNECTOR, BOARD TO BOARD 30P				
	1-871-941-11	DC-107 FLEXIBLE BOARD	*****			
(J001 is not included in the DC-107 flexible board.)						
< JACK >						
△ J001	1-817-331-11	DC JACK 5P (DC IN)				

Electrical parts list of DD-272 board are not shown.
Pages 5-11 to 5-12 is not shown.

• Refer to page 5-1 for mark △.

Note: Be sure to read "Precautions for Replacement of Imager" on page 4-2 when changing the imager.

Ref. No. Part No. Description

1-871-952-11 DD-273 FLEXIBLE BOARD

△ A-1251-450-A JK-338 BOARD, COMPLETE

(CN001 (multi connector) is not supplied, but this is included in JK-338 complete board.)

< CONNECTOR >

CN001 (Not supplied) CONNECTOR, MULTIPLE (SOCKET)

< LINE FILTER >

LF001 1-456-583-11 COMMON MODE CHOKE COIL

A-1251-448-A MS-364 BOARD, COMPLETE (H7)

< CAPACITOR >

C301	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V
C302	1-125-777-11	CERAMIC CHIP	0.1UF	10%	10V
C303	1-125-777-11	CERAMIC CHIP	0.1UF	10%	10V
C304	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V

< CONNECTOR >

CN301	1-816-646-51	FFC/CONNECTOR, FPC (LIF) 16P
* CN302	1-819-990-21	MEMORY STICK DUO CONNECTOR 10P

< DIODE >

D301	6-501-216-01	DIODE CL-271HR-C-TS (ACCESS)
D302	6-500-813-01	DIODE MA2SD32008S0

< FERRITE BEAD >

FB305 1-469-580-11 INDUCTOR, FERRITE BEAD (1005)

< TRANSISTOR >

Q301 6-550-576-01 TRANSISTOR SSM6E01TU

< RESISTOR >

R301	1-218-947-11	RES-CHIP	330	5%	1/16W
R302	1-218-990-81	CONDUCTOR, CHIP	0		
R303	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R304	1-218-985-11	RES-CHIP	470K	5%	1/16W
R305	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R306	1-218-953-11	RES-CHIP	1K	5%	1/16W
R307	1-218-990-81	CONDUCTOR, CHIP	0		
R308	1-218-940-11	RES-CHIP	82	5%	1/16W
R309	1-218-940-11	RES-CHIP	82	5%	1/16W
R310	1-218-940-11	RES-CHIP	82	5%	1/16W
R311	1-218-940-11	RES-CHIP	82	5%	1/16W
R312	1-218-990-81	CONDUCTOR, CHIP	0		
R313	1-218-938-11	RES-CHIP	56	5%	1/16W
R314	1-469-580-11	FERRITE	0UH		
R315	1-469-580-11	FERRITE	0UH		
R316	1-469-580-11	FERRITE	0UH		
R317	1-469-580-11	FERRITE	0UH		
R318	1-218-939-11	RES-CHIP	68	5%	1/16W

Ref. No. Part No. Description

1-871-944-11 MS-365 FLEXIBLE BOARD

A-1251-458-A MS-366 BOARD, COMPLETE (H9)

< CAPACITOR >

C301	1-119-750-11	TANTAL. CHIP	22uF	20%	6.3V
C302	1-125-777-11	CERAMIC CHIP	0.1UF	10%	10V
C303	1-125-777-11	CERAMIC CHIP	0.1UF	10%	10V
C304	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V

< CONNECTOR >

CN301	1-816-646-51	FFC/CONNECTOR, FPC (LIF) 16P
* CN302	1-819-990-21	MEMORY STICK DUO CONNECTOR 10P

< DIODE >

D301	6-501-216-01	DIODE CL-271HR-C-TS (ACCESS)
D302	6-500-813-01	DIODE MA2SD32008S0

< FERRITE BEAD >

FB305 1-469-580-21 INDUCTOR, FERRITE BEAD (1005)

< TRANSISTOR >

Q301 6-550-576-01 TRANSISTOR SSM6E01TU

< RESISTOR >

R301	1-218-947-11	RES-CHIP	330	5%	1/16W
R302	1-218-990-81	CONDUCTOR, CHIP	0		
R303	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R304	1-218-985-11	RES-CHIP	470K	5%	1/16W
R305	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R306	1-218-953-11	RES-CHIP	1K	5%	1/16W
R307	1-218-990-81	CONDUCTOR, CHIP	0		
R308	1-218-940-11	RES-CHIP	82	5%	1/16W
R309	1-218-940-11	RES-CHIP	82	5%	1/16W
R310	1-218-940-11	RES-CHIP	82	5%	1/16W
R311	1-218-940-11	RES-CHIP	82	5%	1/16W
R312	1-218-990-81	CONDUCTOR, CHIP	0		
R313	1-218-938-11	RES-CHIP	56	5%	1/16W
R314	1-469-580-21	FERRITE	0UH		
R315	1-469-580-21	FERRITE	0UH		
R316	1-469-580-21	FERRITE	0UH		
R317	1-469-580-21	FERRITE	0UH		
R318	1-218-939-11	RES-CHIP	68	5%	1/16W

A-1251-447-A PL-046 BOARD, COMPLETE (H7)

(RY201 is not included in the PL-046 complete board.)

< CAPACITOR >

C201 1-165-908-11 CERAMIC 1uF 10% 10V

< CONNECTOR >

* CN201 1-817-554-51 CONNECTOR, FFC/FPC 6P

• Refer to page 5-1 for mark △.

Ref. No.	Part No.	Description
		< DIODE >
D201	8-719-056-23	DIODE MA2S111-(K8).SO
		< PLUNGER >
△ RY201	1-455-038-11	SOLENOID, PLUNGER (Note)
		< SWITCH >
S201	1-786-179-31	SWITCH, PUSH (1KEY) (STRB-POPUP)
	A-1251-457-A	PL-047 BOARD, COMPLETE (H9)

(RY201 is not included in the PL-047 complete board.)		
		< CAPACITOR >
C201	1-165-908-11	CERAMIC 1uF 10% 10V
		< CONNECTOR >
* CN201	1-817-554-51	CONNECTOR, FFC/FPC 6P
		< DIODE >
D201	8-719-056-23	DIODE MA2S111-(K8).SO
		< PLUNGER >
△ RY201	1-455-038-11	SOLENOID, PLUNGER (Note)
		< SWITCH >
S201	1-786-179-31	SWITCH, PUSH (1KEY) (STRB-POPUP)
	A-1256-815-A	PW-134 BOARD, COMPLETE (SERVICE) (H7)
	A-1256-816-A	PW-134 BOARD, COMPLETE (SERVICE) (H9)

		< CAPACITOR >
C001	1-125-837-91	CERAMIC CHIP 1uF 10% 6.3V
		< DIODE >
D001	6-500-512-01	DIODE CL-330IRS-X-TU (NIGHTSHOT) (H9)
D002	6-501-524-01	DIODE DOR5099
		(AF ILLUMINATOR/SELF-TIMER)
D003	6-501-030-01	DIODE SML-412MWT86 (POWER)
		< IC >
IC001	6-600-163-01	IC RS-770
		< RESISTOR >
R001	1-216-825-11	METAL CHIP 2.2K 5% 1/10W (H9)
R014	1-216-832-11	METAL CHIP 8.2K 5% 1/10W
R015	1-216-832-11	METAL CHIP 8.2K 5% 1/10W
R016	1-216-206-00	RES-CHIP 2.2K 5% 1/8W
R017	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
R018	1-216-827-11	METAL CHIP 3.3K 5% 1/10W
R019	1-216-829-11	METAL CHIP 4.7K 5% 1/10W
R020	1-216-825-11	METAL CHIP 2.2K 5% 1/10W

Ref. No.	Part No.	Description
R021	1-216-825-11	METAL CHIP 2.2K 5% 1/10W
R022	1-216-827-11	METAL CHIP 3.3K 5% 1/10W
R023	1-216-065-91	RES-CHIP 4.7K 5% 1/10W
		< SWITCH >
S001	1-786-157-11	TACTILE SWITCH (POWER)
S003	1-786-157-11	TACTILE SWITCH (□) (H9)
S004	1-786-157-11	TACTILE SWITCH (⊞/BRK) (H9)
S005	1-798-036-21	ROTARY SWITCH (MODE DIAL)
S006	1-786-602-11	SWITCH, TACTILE (SHUTTER)
	1-871-937-11	PY-002 FLEXIBLE BOARD

(S001 and S002 are not supplied. But they are included in te PY-002 flexible board.)		
		< SWITCH >
S001	(Not supplied)	SWITCH (⊞) (Note)
S002	(Not supplied)	SWITCH (FINDER/LCD) (Note)
△	A-1251-449-A	ST-166 BOARD, COMPLETE

(FL901 is not included in the ST-166 complete board.)		
		< CAPACITOR >
* C002	1-112-832-21	CERAMIC CHIP 0.033uF 10% 250V
		< FLASH UNIT >
△ FL901	1-480-062-11	FLASH UNIT (Note)
		< COIL >
△ L001	1-456-193-11	COIL, TRIGGER
		< RESISTOR >
R001	1-216-121-11	RES-CHIP 1M 5% 1/10W
	A-1251-456-A	SW-499 BOARD, COMPLETE (H9)

		< CONNECTOR >
CN101	1-816-684-51	CONNECTOR, FFC/FPC (ZIF) 8P
* CN102	1-817-554-51	CONNECTOR, FFC/FPC 6P
* CN103	1-817-554-51	CONNECTOR, FFC/FPC 6P
		< DIODE >
D101	6-500-776-01	DIODE MAZW068H0LS0
D104	8-719-056-54	DIODE MAZS068008SO
		< RESISTOR >
R101	1-218-964-11	RES-CHIP 8.2K 5% 1/16W
R102	1-218-957-11	RES-CHIP 2.2K 5% 1/16W
R103	1-218-957-11	RES-CHIP 2.2K 5% 1/16W
R104	1-218-959-11	RES-CHIP 3.3K 5% 1/16W
R105	1-218-961-11	RES-CHIP 4.7K 5% 1/16W

• Refer to page 5-1 for mark △.

Ref. No.	Part No.	Description
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< SWITCH >

S101	1-786-819-22	TACTILE SWITCH (ZOOM T)
S102	1-786-819-22	TACTILE SWITCH (ZOOM W)
S103	1-786-157-11	TACTILE SWITCH (MENU)
S104	1-786-157-11	TACTILE SWITCH (HOME)

A-1251-446-A	SW-500 BOARD, COMPLETE (H7)	
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< CONNECTOR >

CN101	1-816-684-51	CONNECTOR, FFC/FPC (ZIF) 8P
* CN102	1-817-554-51	CONNECTOR, FFC/FPC 6P
* CN103	1-817-554-51	CONNECTOR, FFC/FPC 6P

< DIODE >

D101	6-500-776-01	DIODE MAZW068H0LSO
D104	8-719-056-54	DIODE MAZS068008SO

< RESISTOR >

R101	1-218-964-11	RES-CHIP	8.2K	5%	1/16W
R102	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R103	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R104	1-218-959-11	RES-CHIP	3.3K	5%	1/16W
R105	1-218-961-11	RES-CHIP	4.7K	5%	1/16W

< SWITCH >

S101	1-786-819-22	TACTILE SWITCH (ZOOM T)
S102	1-786-819-22	TACTILE SWITCH (ZOOM W)
S103	1-786-157-11	TACTILE SWITCH (MENU)
S104	1-786-157-11	TACTILE SWITCH (HOME)

1-872-388-11	SW-504 FLEXIBLE BOARD	
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Electrical parts list of SY-177 board are not shown. Pages 5-16 to 5-19 is not shown.	
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Note:

- Items marked “*” are not stocked since they are seldom required for routine service.

Some delay should be anticipated when ordering these items.

- The parts numbers of such as a cabinet are also appeared in this section.

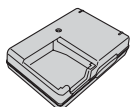
Refer to the parts number mentioned below the name of parts to order.

Abbreviation

AR : Argentine model	CH : Chinese model	HK : Hong Kong model	KR : Korea model
AUS: Australian model	CND: Canadian model	J : Japanese model	NE : North European model
BR : Brazilian model	EE : East European model	JE : Tourist model	TW : Taiwan model

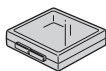
Checking supplied accessories.

Note 1: This item is supplied with the unit as an accessory, but is not prepared as a service part.

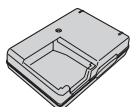


Battery charger
(BC-CSGB/BC-CSGC)

△ 1-479-791-12 (J)
△ 1-479-791-22 (US, CND)



Battery case
(Note 1)

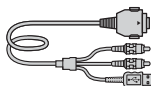


Battery charger
(BC-CSGB/BC-CSGC)

△ 1-479-791-32 (EXCEPT US, CND, J)



Rechargeable battery pack (NP-BG1)
(Note 1)

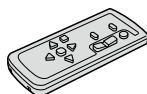


USB, A/V cable for multi-use terminal
1-829-866-51



Power cord (mains lead)
(except US, CND and J)

△ 1-827-945-61 (AUS)
△ 1-832-121-31 (CH)
△ 1-827-826-41 (AEP, E)
△ 1-828-050-31 (JE)
△ 1-823-947-71 (KR)
△ 1-832-106-31 (AR)
△ 1-832-169-31 (UK, HK)



Remote Control (RMT-DSC1)
1-478-655-61



Lens cap
X-2177-459-1

Shoulder strap
2-629-892-11



Adaptor ring
3-106-733-01



Lens hood
3-106-732-01



FIXED RING
3-106-734-01



Lens cap strap
3-979-194-31



Conversion adaptor
△ 1-569-008-12(E)



CD-ROM
(Cyber-shot application software/
"Cyber-shot Handbook"/
"Cyber-shot Step-up Guide")
3-196-618-01 (EXCEPT US, J)
3-196-619-01 (US)
3-209-351-01 (J)



Conversion adaptor
△ 1-569-007-12(JE)



Instruction Manual

3-196-623-01 (JAPANESE) (J)
3-196-623-11 (ENGLISH)
(CND, AEP, E, UK, HK, AUS, JE)
3-196-623-21 (FRENCH, ITALIAN) (CND, AEP)
3-196-623-31 (SPANISH, PORTUGUESE) (AEP, E, AR, JE)
3-196-623-41 (GERMAN, DUTCH) (AEP)
3-196-623-51 (TRADITIONAL CHINESE,
SIMPLIFIED CHINESE) (E, HK, CH, JE)
3-196-623-61 (RUSSIAN) (AEP)
3-196-623-71 (ARABIC, PERSIAN) (E)
3-196-623-81 (KOREAN) (KR, JE)
3-196-623-91 (POLISH, CZECH) (AEP)
3-196-624-11 (HUNGARIAN, SLOVAK) (AEP)
3-196-624-21 (SWEDISH, FINNISH) (AEP)
3-196-624-31 (NORWEGIAN, DANISH) (AEP)
3-196-624-41 (THAI, MALAY) (E)
3-196-624-51 (TURKISH, GREEK) (AEP)
3-196-624-61 (ENGLISH, SPANISH) (US)



Cyber-shot Handbook(PDF)

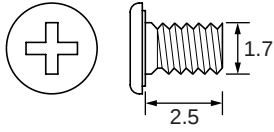
The CD-ROM supplied contains all of language version of the Instruction Manual in pdf (Cyber-shot Handbook.pdf) for printing.

- The printed matter is not supplied. If required, please order it with the part number below.
- (Only for destination Japanese model) 日本国内については日本語のみが印刷での部品供給可能です。

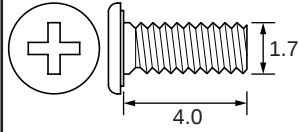
3-196-620-01 (JAPANESE)
3-196-620-11 (ENGLISH)
3-196-620-21 (FRENCH)
3-196-620-31 (ITALIAN)
3-196-620-41 (SPANISH)
3-196-620-51 (PORTUGUESE)
3-196-620-61 (GERMAN)
3-196-620-71 (DUTCH)
3-196-620-81 (TRADITIONAL CHINESE)
3-196-620-91 (SIMPLIFIED CHINESE)
3-196-621-11 (RUSSIAN)
3-196-621-21 (ARABIC)
3-196-621-31 (PERSIAN)
3-196-621-41 (KOREAN)
3-196-621-51 (POLISH)
3-196-621-61 (CZECH)
3-196-621-71 (HUNGARIAN)
3-196-621-81 (SLOVAK)
3-196-621-91 (SWEDISH)
3-196-622-11 (FINNISH)
3-196-622-21 (NORWEGIAN)
3-196-622-31 (DANISH)
3-196-622-41 (THAI)
3-196-622-51 (MALAY)
3-196-622-61 (TURKISH)
3-196-622-71 (GREEK)

HARDWARE LIST (1/4)

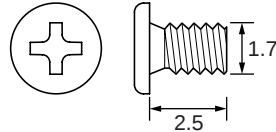
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(Black)
2-635-562-11



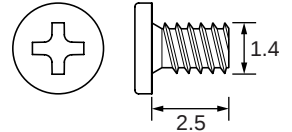
#2: M1.7 X 4.0
(Black)
2-635-562-31



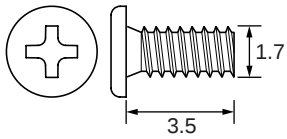
#3: M1.7 X 2.5
(Red)
2-660-401-01



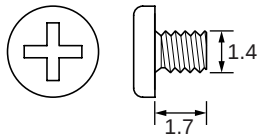
#4: M1.4 X 2.5 (Tapping)
(Dark Silver)
3-348-998-81



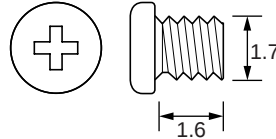
#5: M1.7 X 3.5 (Tapping)
(Black)
3-080-204-01



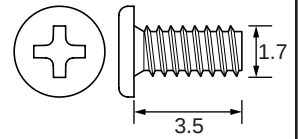
#6: M1.4 X 1.7
(Silver)
2-598-474-01



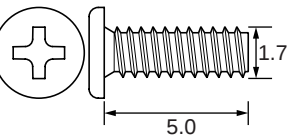
#7: M1.7 X 1.6
(Black)
7-627-552-18



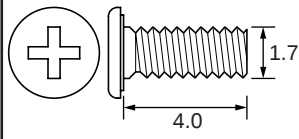
#8: M1.7 X 3.5 (Tapping)
(Silver)
3-078-890-01



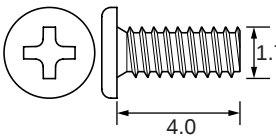
#9: M1.7 X 5.0 (Tapping)
(Silver)
3-078-890-21



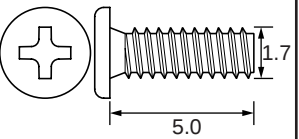
#10: M1.7 X 4.0
(Silver)
2-599-475-31



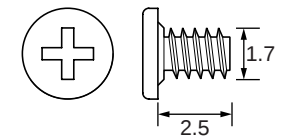
#11: M1.7 X 4.0 (Tapping)
(Silver)
3-078-890-11



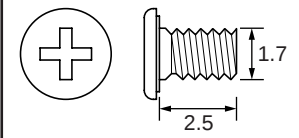
#12: M1.7 X 5.0 (Tapping)
(Black)
3-080-204-21



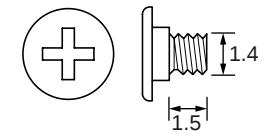
#13: M1.7 X 2.5 (Tapping)
(Silver)
3-085-397-01



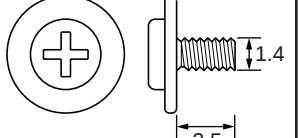
#14: M1.7 X 2.5
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2-599-475-11



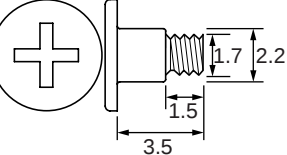
#15: M1.4 X 1.5
(Silver)
3-062-214-01



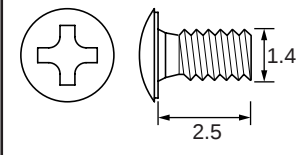
#16: M1.4 X 2.5
(Silver)
2-586-337-01



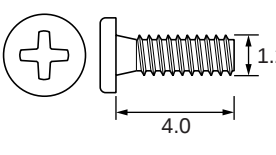
#17: M1.7 X 1.5
(Silver)
2-586-389-01



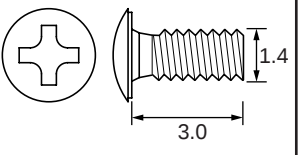
#18: M1.4 X 2.5
(Silver)
2-635-591-21



#19: M1.2 X 4.0 (Tapping)
(Red)
3-086-156-21

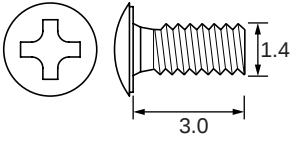


#20: M1.4 X 3.0
(Silver)
2-635-591-31

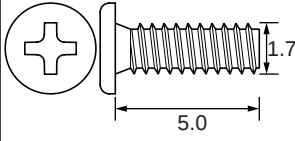


HARDWARE LIST (2/4)

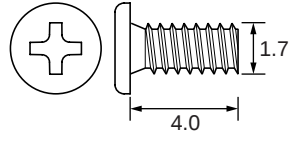
#21: M1.4 X 3.0
(Black)
2-662-396-21



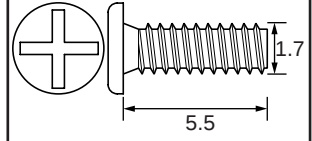
#22: M1.7 X 5.0 (Tapping)
(Silver)
3-083-261-01



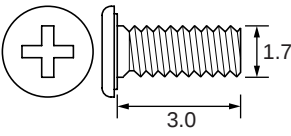
#23: M1.7 X 4.0 (Tapping)
(Black)
3-080-204-11



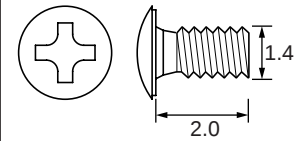
#24: B1.7 X 5.5 (Tapping)
(Black)
4-679-805-11



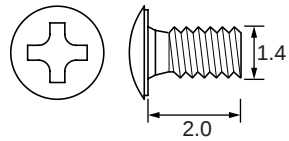
#25: M1.7 X 3.0
(Black)
2-635-562-21



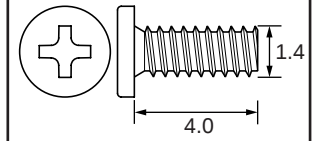
#26: M1.4 X 2.0
(Silver)
2-635-591-11



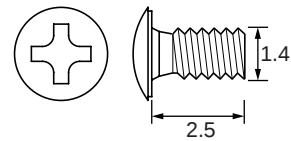
#27: M1.4 X 2.0
(Black)
2-662-396-11



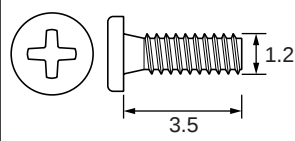
#28: M1.4 X 4.0 (Tapping)
(Dark Silver)
3-348-998-61



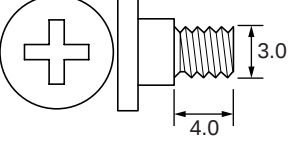
#29: M1.4 X 2.5
(Black)
2-662-396-01



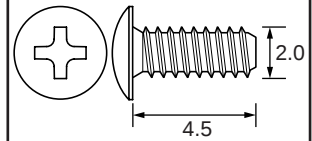
#30: M1.2 X 4.0 (Tapping)
(White)
3-086-156-11



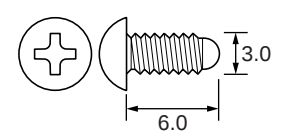
#31: M3.0 X 4.0
(Silver)
2-102-434-01



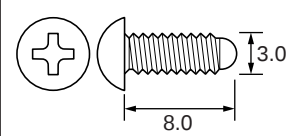
#32: M2.0 X 4.5 (Tapping)
(Silver)
2-102-498-01



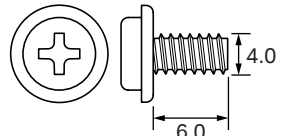
#33: M3.0 X 6.0
(Silver)
3-077-331-21



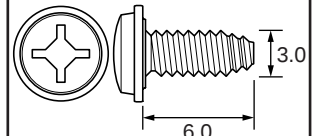
#34: M3.0 X 8.0
(Black)
3-077-331-41



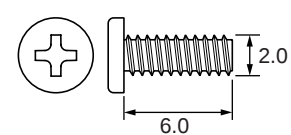
#35: M4.0 X 6.0 (Tapping)
(Silver)
3-975-291-02



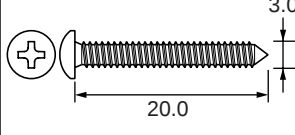
#36: M3.0 X 6.0
(Silver)
4-886-821-11



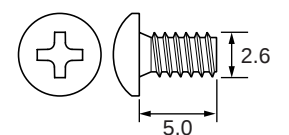
#37: M2.0 X 6.0 (Tapping)
(Black)
3-080-206-31



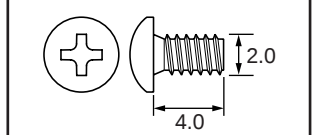
#38: M3.0 X 20.0 (Tapping)
(Silver)
7-685-651-79



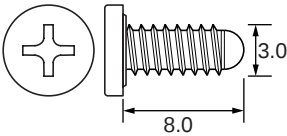
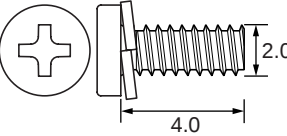
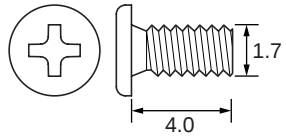
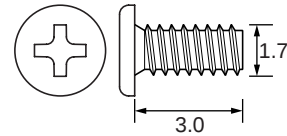
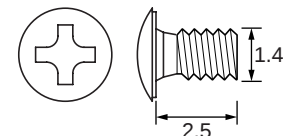
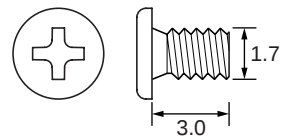
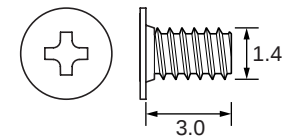
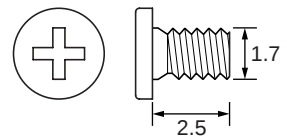
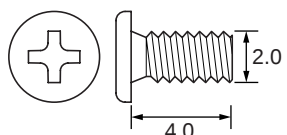
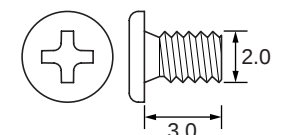
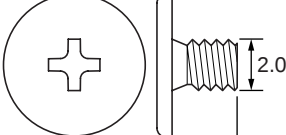
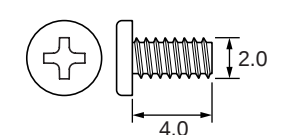
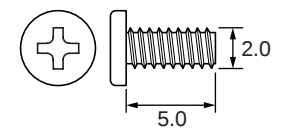
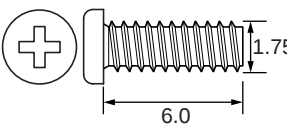
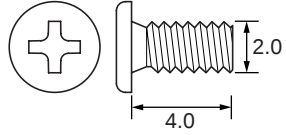
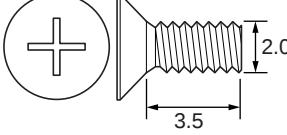
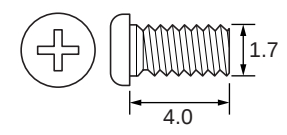
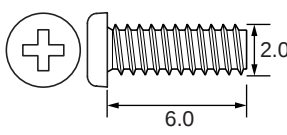
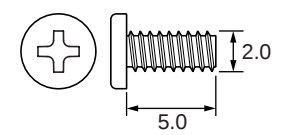
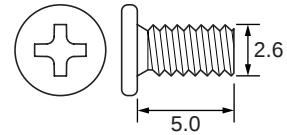
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(Black)
7-685-791-09



#40: M2.0 X 4.0 (Tapping)
(Silver)
7-685-851-04

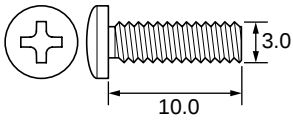


HARDWARE LIST (3/4)

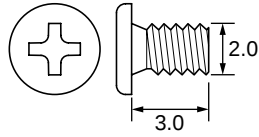
#41: M3.0 X 8.0 (Tapping) (Silver) 3-065-748-01 	#42: M2.0 X 4.0 (Tapping) (Silver) 7-628-253-00 	#43: M1.7 X 4.0 (Red) 2-660-401-31 	#44: M1.7 X 3.0 (Tapping) (Silver) 3-078-890-61 
#45: M1.4 X 2.5 (Silver) 2-587-151-01 	#46: M1.7 X 3.0 (Red) 2-660-401-11 	#47: M1.4 X 3.0 (Tapping) (Silver) 2-665-774-01 	#48: M1.7 X 2.5 (Silver) 3-973-497-91 
#49: M2.0 X 4.0 (Black) 2-630-005-21 	#50: M2.0 X 3.0 (Red) 2-891-494-11 	#51: M2.0 X 2.5 (Silver) 3-073-686-01 	#52: M2.0 X 4.0 (Tapping) (Black) 3-080-206-11 
#53: M2.0 X 5.0 (Tapping) (Black) 3-080-206-21 	#54: M1.75 X 6.0 (Tapping) (Black) 3-318-203-11 	#55: M2.0 X 4.0 (Silver) 2-655-582-11 	#56: M2.0 X 3.5 (Silver) 3-067-187-11 
#57: M1.7 X 4.0 (Black) 7-627-852-18 	#58: M2.0 X 6.0 (Tapping) (Silver) 3-719-408-11 	#59: M2.0 X 5.0 (Tapping) (Silver) 3-080-205-21 	#60: M2.6 X 5.0 (Black) 3-061-062-11 

HARDWARE LIST (4/4)

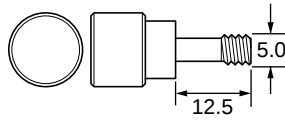
#61: M3.0 X 10.0
(Black)
7-682-549-09



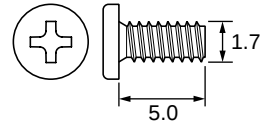
#62: M2.0 X 3.0
(Silver)
3-080-202-21



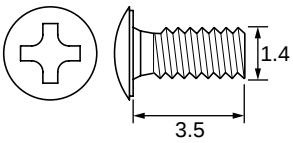
#63: M5.0 X 12.5
(Black)
3-060-811-21



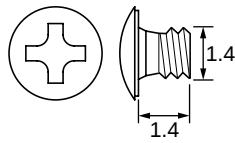
#64: M1.7 X 5.0 (Tapping)
(Silver)
2-666-551-21



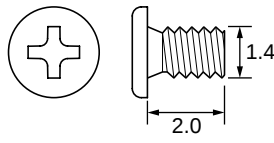
#65: M1.4 X 3.5
(Silver)
2-635-591-01



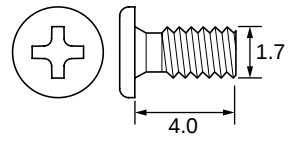
#66: M1.4 X 1.4
(Silver)
2-635-591-41



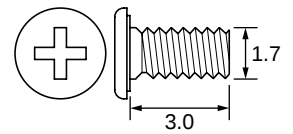
#67: M1.4 X 2.0
(Silver)
3-389-523-16



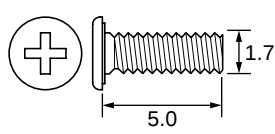
#68: M1.7 X 4.0
(Silver)
2-655-581-01



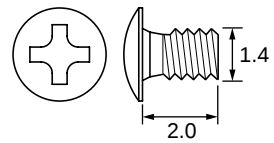
#69: M1.7 X 3.0
(Silver)
2-599-475-21



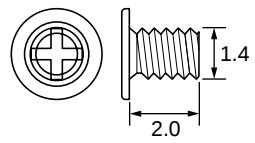
#70: M1.7 X 5.0
(Silver)
2-599-475-41



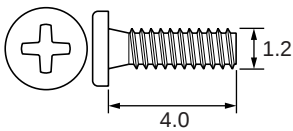
#71: M1.4 X 2.0
(Red)
3-208-537-01



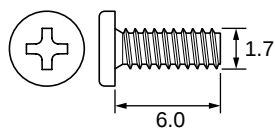
#72: M1.4 X 2.0
(Silver)
4-663-621-41



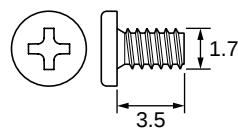
#73: M1.2 X 4.0 (Tapping)
(Black)
3-086-156-61



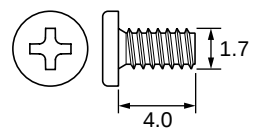
#74: M1.7 X 6.0 (Tapping)
(Silver)
2-666-551-31



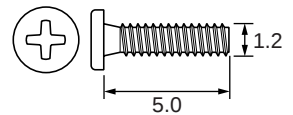
#75: M1.7 X 3.5 (Tapping)
(Silver)
2-666-551-01



#76: M1.7 X 4.0 (Tapping)
(Silver)
2-666-551-11



#77: M1.2 X 5.0 (Tapping)
(Silver)
3-086-156-31



DSC-H7/H9

SONY®

LEVEL 2

SERVICE MANUAL

Ver 1.4 2007.09

US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Argentine Model
Brazilian Model
Tourist Model
Japanese Model

SUPPLEMENT-1

File this supplement with the service manual.
(DI07-104)

- Change of EXPLODED VIEWS

 : Points changed portion

5-1. EXPLODED VIEWS

5-1-4. CAABINET (FRONT) SECTION-2

Page	Former			New		
5-5	173	X-2177-455-1	HOLDER ASSY, BATTERY (SILVER)	173	X-2177-455-1	HOLDER ASSY, BATTERY (SILVER)
	173	X-2177-456-1	HOLDER ASSY, BATTERY (BLACK)	173	X-2177-456-1	HOLDER ASSY, BATTERY (BLACK)
	 BH101	1-756-615-31	HOLDER, BATTERY	  BH101	1-756-615-41	HOLDER, BATTERY
	 BT001	1-756-134-12	BATTERY, STRAGE, LITHIUM ION	  BT001	1-756-134-12	BATTERY, STRAGE, LITHIUM ION
	 C205	1-114-341-11	CAP, ALUMINUM ELECT 180MF 315V	  C205	1-114-341-11	CAP, ALUMINUM ELECT 180MF 315V
	 FL901	1-480-062-11	FLASH UNIT	  FL901	1-480-062-11	FLASH UNIT
	 J001	1-817-331-11	DC JACK 5P (DC IN)	  J001	1-817-331-11	DC JACK 5P (DC IN)
	 RY201	1-455-038-11	SOLENOID, PLUNGER	  RY201	1-455-038-11	SOLENOID, PLUNGER
	#12	3-080-204-21	SCREW, TAPPING, P2 (Black)	#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
	#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)	#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)

Revision History

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2007.04	Official Release	—	—
1.1	2007.05	Revised-1	• Correction of SERVICE NOTE • Correction of DISASSEMBLY • Correction of BLOCK DIAGRAMS • Correction of FRAME SCHEMATIC DIAGRAM • Correction of SCHEMATIC DIAGRAMS • Correction of PRINTED WIRING BOARDS • Correction of REPAIR PARTS LIST	Yes
1.2	2007.06	Correction-2 (C1)	• Correction of DISASSEMBLY S.M. correction: Page 2-5, Page 2-6, Page 2-8 • Correction of EXPLODED VIEWS S.M. correction: Page 5-2, Page 5-3, Page 5-4	Yes
1.3	2007.08	Revised-2	• Correction of ACCESSORIES S.M. correction: Page 5-20E	Yes
1.4	2007.09	Supplement-1 (S1 DI07-104)	• Change of EXPLODED VIEWS	No