

DSLR-A350

SERVICE MANUAL

LEVEL 2

Ver. 1.8 2009.06

Revision History

Revised-2

Replacement of the previously issued SERVICE MANUAL 9-852-273-33 with this manual.



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

Link

<ul style="list-style-type: none">• SPECIFICATIONS	<ul style="list-style-type: none">• BLOCK DIAGRAMS	<ul style="list-style-type: none">• PRINTED WIRING BOARDS
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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.

DIGITAL SINGLE LENS REFLEX CAMERA

SONY®



SPECIFICATIONS

Camera

[System]

Camera Type Digital Single Lens Reflex Camera with built-in flash and interchangeable lenses

Lens All of α Lens

[Image sensor]

Total pixel number of camera Approx. 14 900 000 pixels

Effective pixel number of camera Approx. 14 200 000 pixels

Image format 23.5×15.7mm (APS-C format) Interface scan Primary Color

ISO sensitivity (Recommended exposure index) AUTO, 100 to 3200

[Super SteadyShot]

System Image sensor-Shift mechanism Super SteadyShot Compensation capability Approximately 2.5 to 3.5 EV decrease in shutter speed (varies according to shooting conditions and lens used)

[Anti-Dust]

System Charge protection coating on Low-Pass Filter and image sensor-Shift mechanism

[Auto Focus System]

System TTL phase-detection system, CCD line sensors (9 points, 8 lines with center cross-hair sensor)

Sensitivity Range 0 to 18 EV (at ISO 100 equivalent)

AF illuminator Approx. 1 to 5 m (3.3 to 16 feet)

[Live view]

Type Pentamirror tilt mechanism Image format Exclusive image sensor for Live view

Metering method 1200-zone evaluative metering

Metering range 2 to 17 EV (Multi segment, Center weighted, Spot) (at ISO 100 with F1.4 lens)

Field of View 0.90

[Viewfinder]

Type Fixed eye-level pentaprism-Dach-mirror

Field of View 0.95

Magnification 0.74 × with 50 mm lens at infinity, -1 m⁻¹

Eye Relief Approximately 20.8 mm from the eyepiece, 16.7 mm from the eyepiece frame at -1 diopter (-1 m⁻¹)

Diopter Adjustment -3.0 to +1.0 m⁻¹

[Exposure] (in the viewfinder mode)

Metering Cell SPC

Metering method 40-segment honeycomb-pattern

Metering Range 2 to 20 EV (4 to 20 EV with Spot metering), (at ISO 100 with F1.4 lens)

Exposure compensation ±2.0 EV (1/3 EV step)

[Shutter]

Type Electronically-controlled, vertical-traverse, focal-plane type

Speed range 1/4000 second to 30 seconds, bulb, (1/3 EV step)

Flash sync speed 1/160 second

[Built-In-Flash]

Flash G.No. GN 12 (in meters at ISO 100)

Recycling time Approx. 4 seconds

Flash coverage Covering 18 mm lens (focal length that the lens indicates)

Flash compensation ±2.0 EV (1/3 EV step)

[Recording media]

CompactFlash card (Type.II), Microdrive, "Memory Stick Duo" (With a Memory Stick Duo Adaptor for CompactFlash slot)

[LCD monitor]

LCD panel 6.7 cm (2.7 type) TFT drive

Total number of dots 230 400 (960 × 240) dots

[Power, general]

Used battery pack Rechargeable battery pack NP-FM500H

[Others]

PictBridge Compatible

Exif Print Compatible

PRINT Image Matching III Compatible

Dimensions Approx. 130.8 × 98.5 × 74.7 mm (5 1/4 × 4 × 3 inches) (W/H/D, excluding protrusions)

Mass Approx. 582 g (1 lb 4.5 oz) (without batteries, memory card and body accessories)

Operating temperature 0 to 40°C (32 to 104°F) (When using the Microdrive: 5 to 40°C (41 to 104°F))

Exif Exif Ver.2.21

USB communication Hi-Speed USB (USB 2.0 compliant)

BC-VM10 Battery charger

Input rating 100 V – 240 V AC, 50/60 Hz

Output rating 8.4 V DC, 750 mA

Operating temperature range 0 to 40°C (32 to 104°F)

Storage temperature range -20 to +60°C (-4 to +140°F)

Maximum dimensions Approx. 70 × 25 × 95 mm (2 7/8 × 1 × 3 3/4 inches) (W/H/D)

Mass Approx. 90 g (3.2 oz)

Rechargeable battery pack

NP-FM500H

Used battery Lithium-ion battery

Maximum voltage DC 8.4 V

Nominal voltage DC 7.2 V

Maximum charge current 2.0 A

Maximum charge voltage DC 8.4 V

Capacity 11.8 Wh (1 650 mAh)

Maximum dimensions Approx. 38.2 × 20.5 × 55.6 mm (1 9/16 × 13/16 × 2 1/4 inches) (W/H/D)

Mass Approx. 78 g (2.8 oz)

Design and specifications are subject to change without notice.

1-1. CHEMICALS

Some chemicals used for servicing are highly volatile.

Their evaporation caused by improper management affects your health and environment, and wastes resources.

Manage the chemicals carefully as follows.

- Store chemicals sealed in a specific place to prevent from exposure to high temperature or direct sunlight.
- Avoid dividing chemicals into excessive numbers of small containers to reduce natural evaporation.
- Keep containers sealed to avoid natural evaporation when chemicals are not in use.
- Avoid using chemicals as much as possible. When using chemicals, divide only required amount to a small plate from the container and use up it.

1-2. EXTERIOR PARTS

Be careful to the following points for plastic parts used in this unit.

- Use a piece of cleaning paper or cleaning cloth for cleaning plastic parts. Avoid using chemicals. Even if you have to use chemicals to clean heavy dirt, don't use paint thinner, ketone, nor alcohol.
- Insert the specific screws vertically to the part when installing a plastic part. Be careful not to tighten screws too much.

1-3. 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.

1-4. 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.

CAUTION

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

SAFETY-RELATED COMPONENT WARNING!!

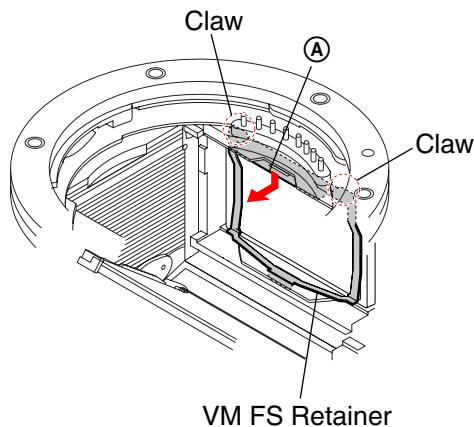
COMPONENTS IDENTIFIED BY MARK △ OR DOTTED LINE WITH MARK △ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

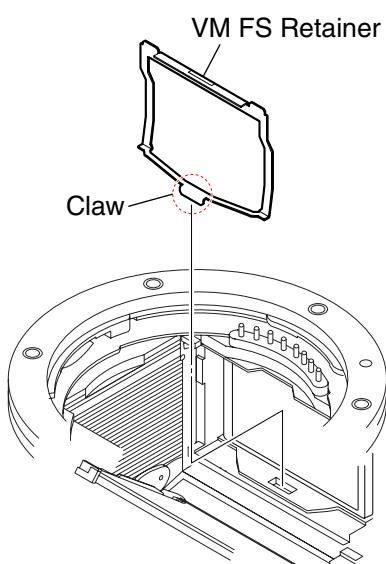
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE △ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

1-5. METHOD OF EXCHANGING SI SCREEN AND FOCUS PLATE

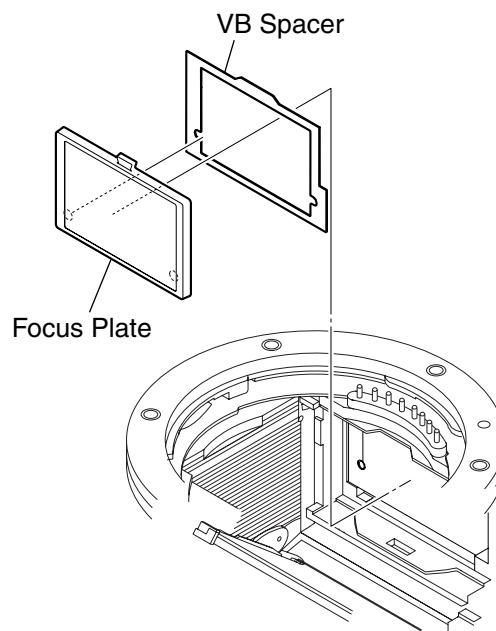
- ① Remove two claws pushing part A below, and remove VM FS retainer in the direction of arrow.



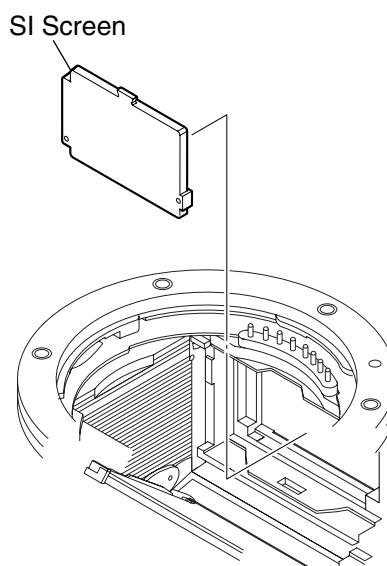
- ② Remove VM FS retainer.



- ③ Remove focus plate and VB spacer.



- ④ Remove SI screen.



Note: When you exchange the SI screen,
don't put dust or give a scratch.

1-1. 各種薬品の取り扱いについて

現在使用されている薬品の中には揮発性の高い薬品もあります。それらを不用意に取り扱い蒸発させてしまうと、環境や健康へ影響を与えたたり、資源の無駄使いになります。各種薬品は、下記の点に注意して取り扱ってください。

- ・ 保管場所を定め、高温になつたり直射日光の当たらない場所に密閉して保管してください。
- ・ 小分け（ハンドラップ等）する数は必要最小限に留め、容器による自然蒸発を防いでください。
- ・ 作業に使用しない時は、必ずキャップ等をして自然蒸発を防いでください。
- ・ 薬品を使用する回数を極力少なくし、使用する場合は使用する量だけ容器より出して受け皿に残さないようにしてください。

1-2. 樹脂系部品の取り扱いについて

本機に使用されている樹脂系の部品は、下記の点に注意して取り扱ってください。

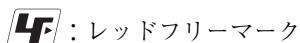
- ・ 清掃には薬品を使用せず、清掃紙や清掃布を使用してください。
やむを得ず汚れがひどくて薬品を使用する場合は、シンナー、ケトン、エーテルは使用しないでください。
- ・ 各部品の取り付けには指定されたねじを使用し、部品に対して垂直に取り付けてください。
また、ねじを締め付ける時は、無理な力を加えないでください。

1-3. 無鉛半田について

本機には無鉛半田が使用されています。

無鉛半田を使用している基板には、無鉛（Lead Free）を意味するレッドフリーマークがプリントされています。

（注意：基板サイズによっては、無鉛半田を使用していてもレッドフリーマークがプリントされていないものがあります）



無鉛半田は、下記の点に注意して使用してください。

- ・ 半田こてのこて先温度は約350°Cに設定してください。
温度調節が無理な場合は、高温短時間で作業を行ってください。
注意：半田こてを長く当てすぎると、基板のパターン（銅箔）がはがれてしまうことがありますので、注意してください。また、従来の半田よりも粘性が強いため、IC端子などが半田ブリッジしないように注意してください。
- ・ 半田こてのこて先は、必ず無鉛半田用と有鉛半田用に分けて管理してください。
無鉛半田と有鉛半田が混在すると剥離現象が発生します。

1-4. SAFETY CHECK-OUT

サービス、点検時には次のことにご注意ください。

1. 注意事項をお守りください。

サービスのとき特に注意を要する個所については、キャビネット、シャーシ、部品などにラベルや捺印で注意事項を表示しています。これらの注意書き及び取扱説明書等の注意事項を必ずお守りください。

2. 指定部品のご使用を

セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。

従って交換部品は、使用されていたものと同じ特性の部品を使用してください。

特に回路図、部品表に△印で指定されている安全上重要な部品は必ず指定のものをご使用ください。

3. 部品の取付けや配線の引きまわしはもとどおりに

安全上、チューブやテープなどの絶縁材料を使用したり、プリント基板から浮かして取付けた部品があります。

また内部配線は引きまわしやクランバによって発熱部品や高圧部品に接近しないよう配慮されていますので、これらは必ずもとどおりにしてください。

4. サービス後は安全点検を

サービスのために取外したネジ、部品、配線がもとどおりになっているか、またサービスした個所の周辺を劣化させてしまったところがないなどを点検し、安全性が確保されていることを確認してください。

5. チップ部品交換時の注意

・取り外した部品は再使用しないでください。

・タンタルコンデンサのマイナス側は熱に弱いため交換時は注意してください。

6. フレキシブルプリント基板の取扱いについて

・こて先温度を270°C前後にして行なってください。

・同一パターンに何度もコテ先を当てないでください。(3回以内)

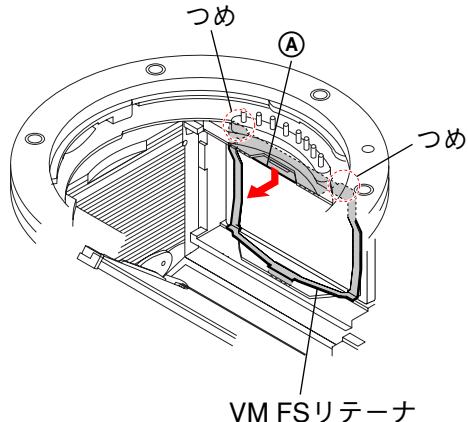
・パターンに力が加わらないよう注意してください。

注意

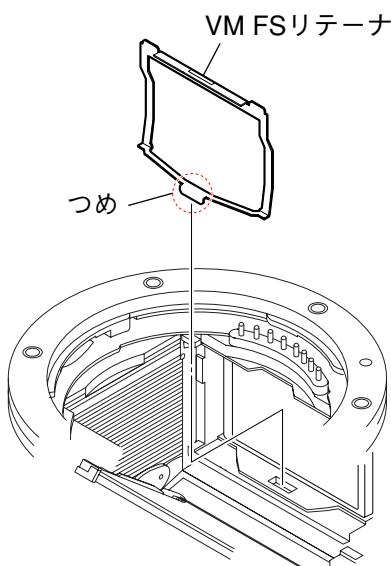
電池の交換は、正しく行なないと破裂する恐れがあります。電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。

1-5. SIスクリーン, 焦点板の交換方法

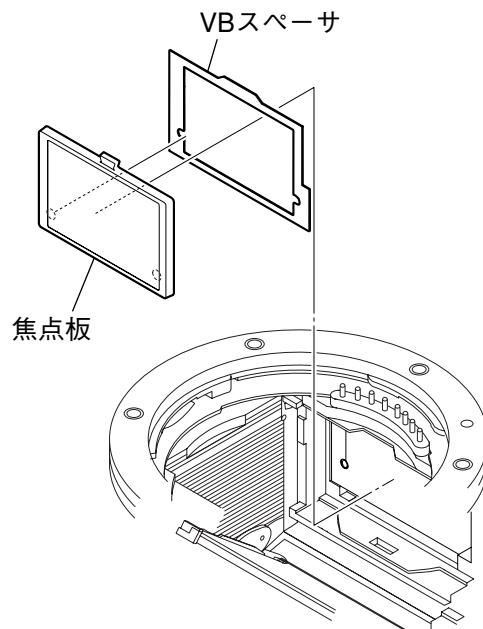
- ① A部を下に押してつめ2箇所を外し,
矢印方向にVM FSリテーナを外す。



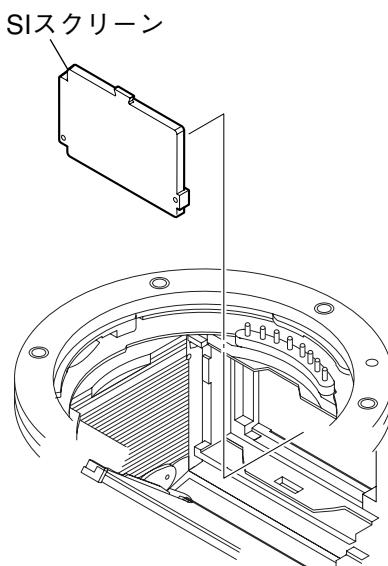
- ② VM FSリテーナを外す。



- ③ 焦点板とVBスペーサを外す。



- ④ SIスクリーンを外す。



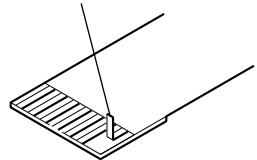
**注意:SIスクリーン交換時は、SIスクリーンに埃や
傷を付けないように注意してください。**

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 ST-196 BOARD'S CHARGING CAPACITOR (C901)

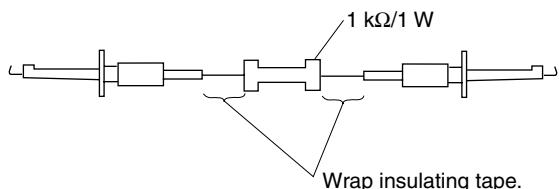
The charging capacitor (C901) of the ST-196 board is charged up to the maximum 330 V potential.

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 kΩ / 1 W (1-215-869-11).

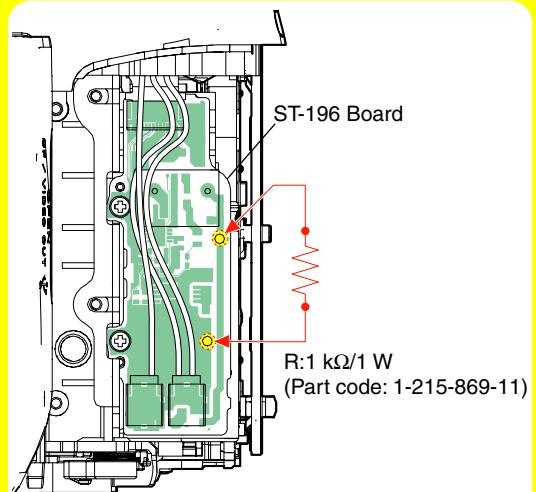
Wrap insulating tape fully around the leads of the resistor to prevent electrical shock.



Note: High-voltage cautions

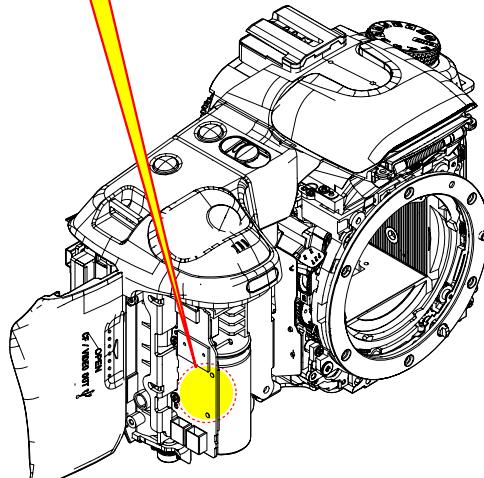
Discharging the Capacitor

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

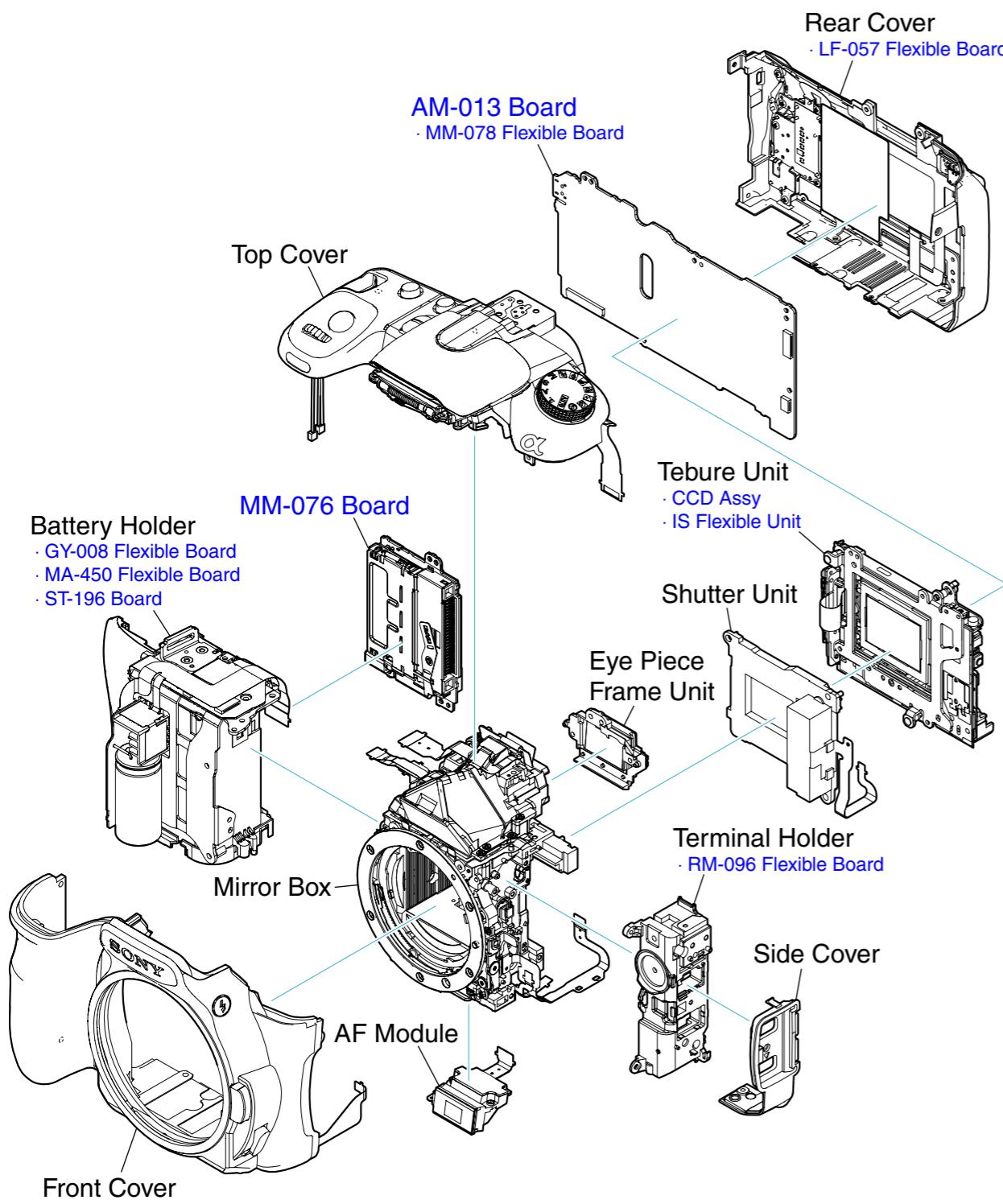


SUBSIDIARY MATERIALS

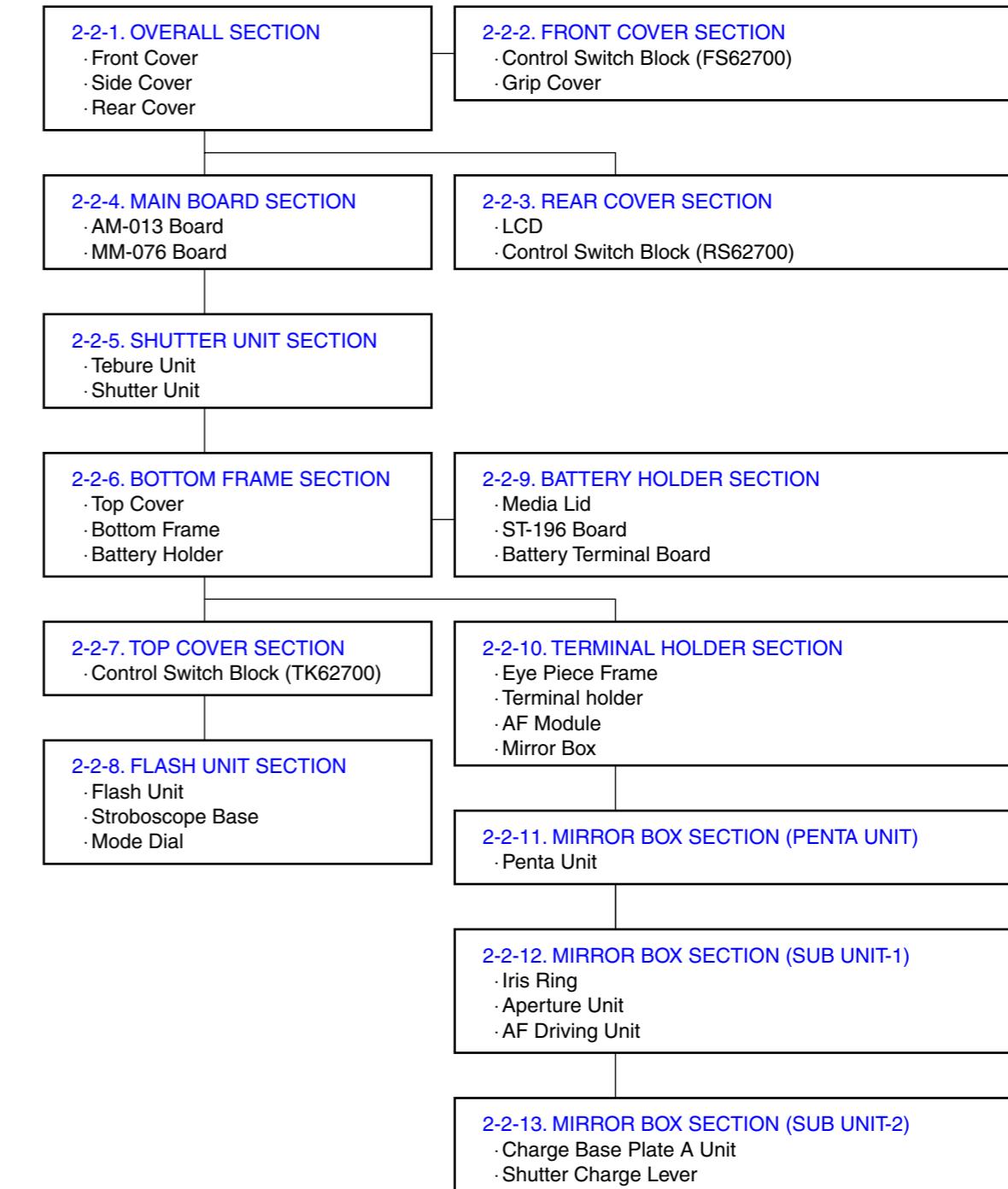
G: Grease
G-85 (J-6082-626-A)



2-1. IDENTIFYING PARTS



- DISASSEMBLY FLOW -



2-2. DISASSEMBLY

[EXPLODED VIEW](#)
[HARDWARE LIST](#)

2-2-1. OVERALL SECTION

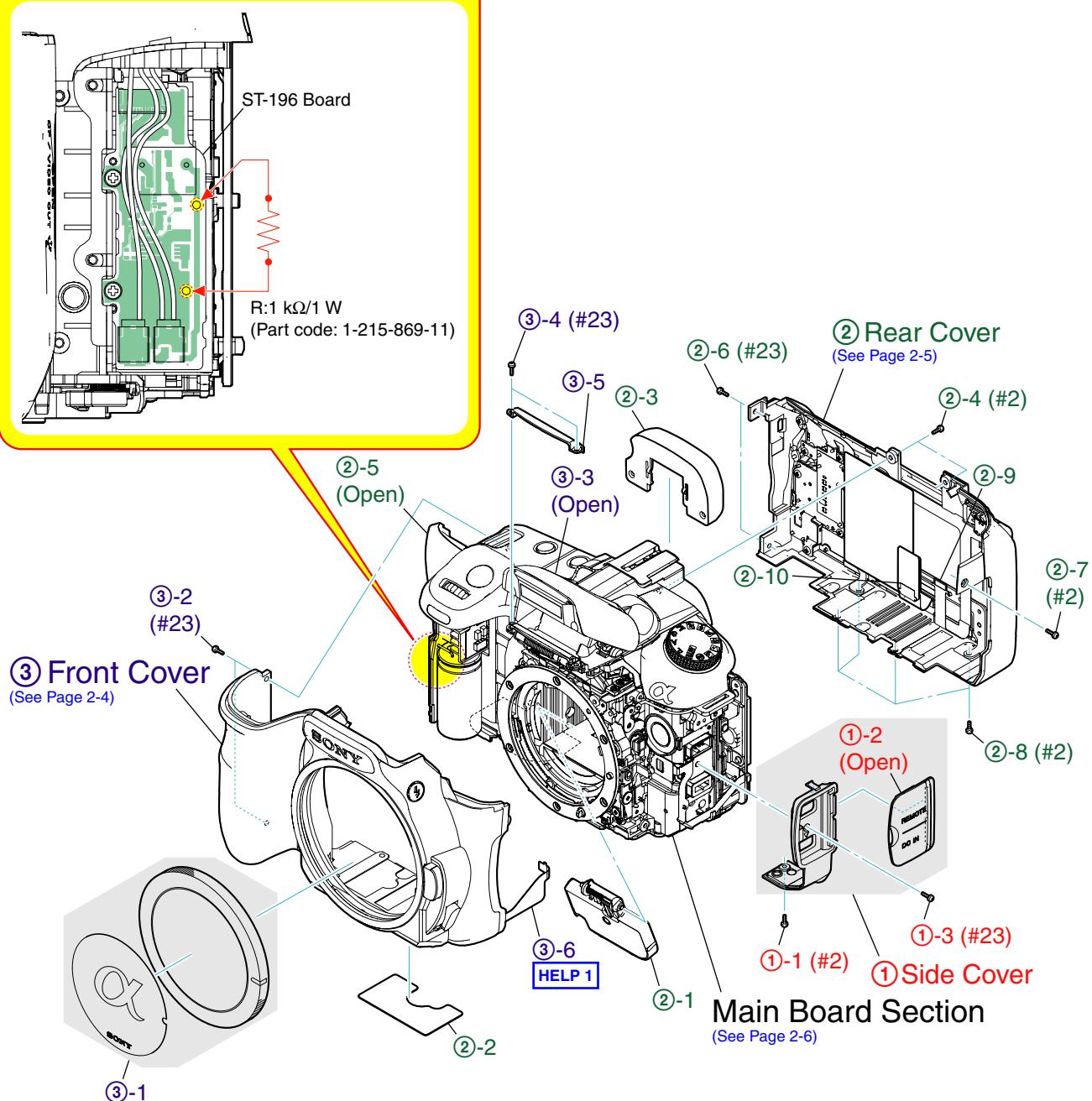
Follow the disassembly in the numerical order given.

- ① Side Cover (①-1 to ①-3)
- ② Rear Cover (②-1 to ②-10)
- ③ Front Cover (③-1 to ③-6)

Note: High-voltage cautions

Discharging the Capacitor

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



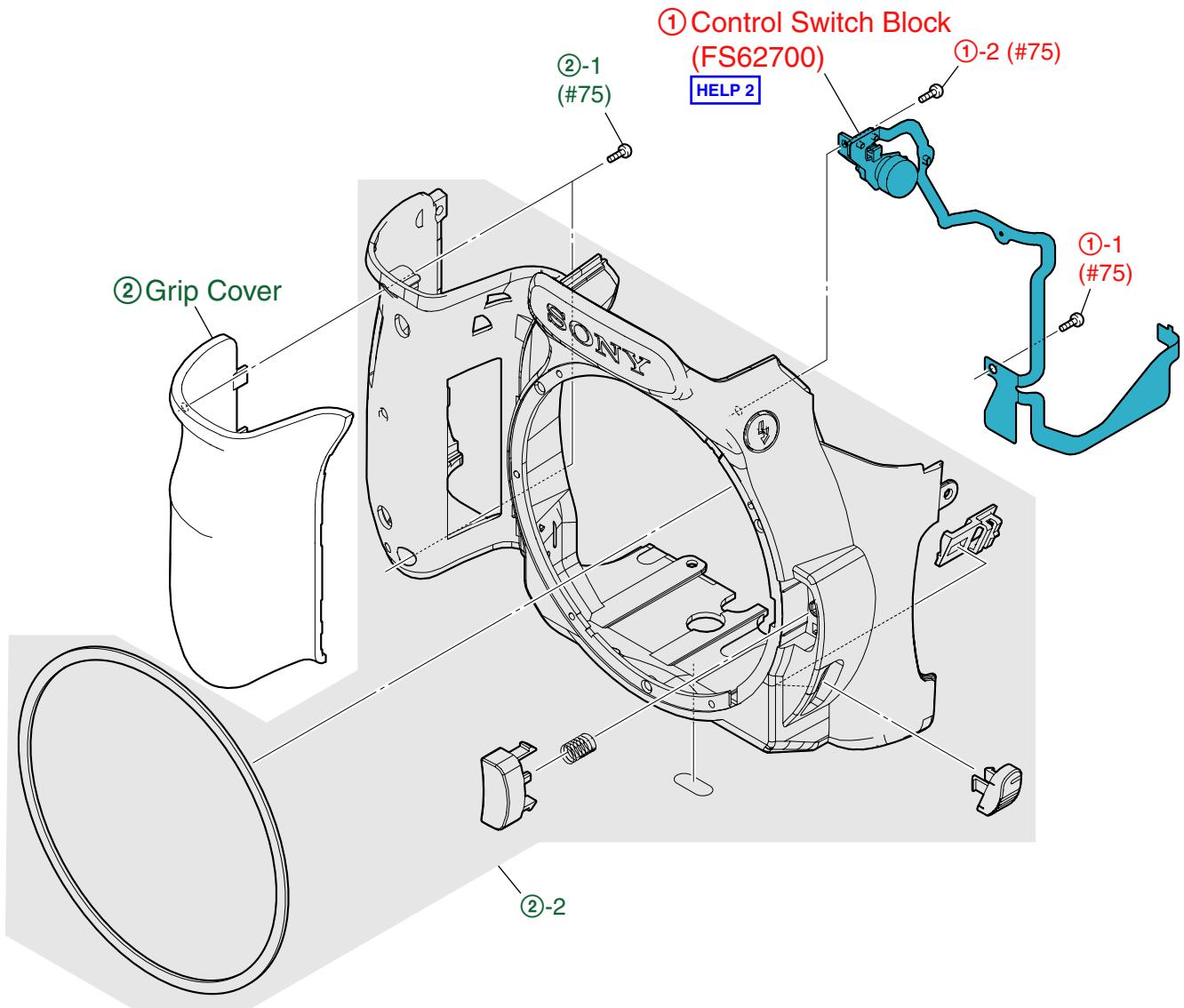
2-2-2. FRONT COVER SECTION

Follow the disassembly in the numerical order given.

- ① Control Switch Block (FS62700) (①-1 to ①-2)
- ② Grip Cover (②-1 to ②-2)

EXPLODED VIEW

HARDWARE LIST



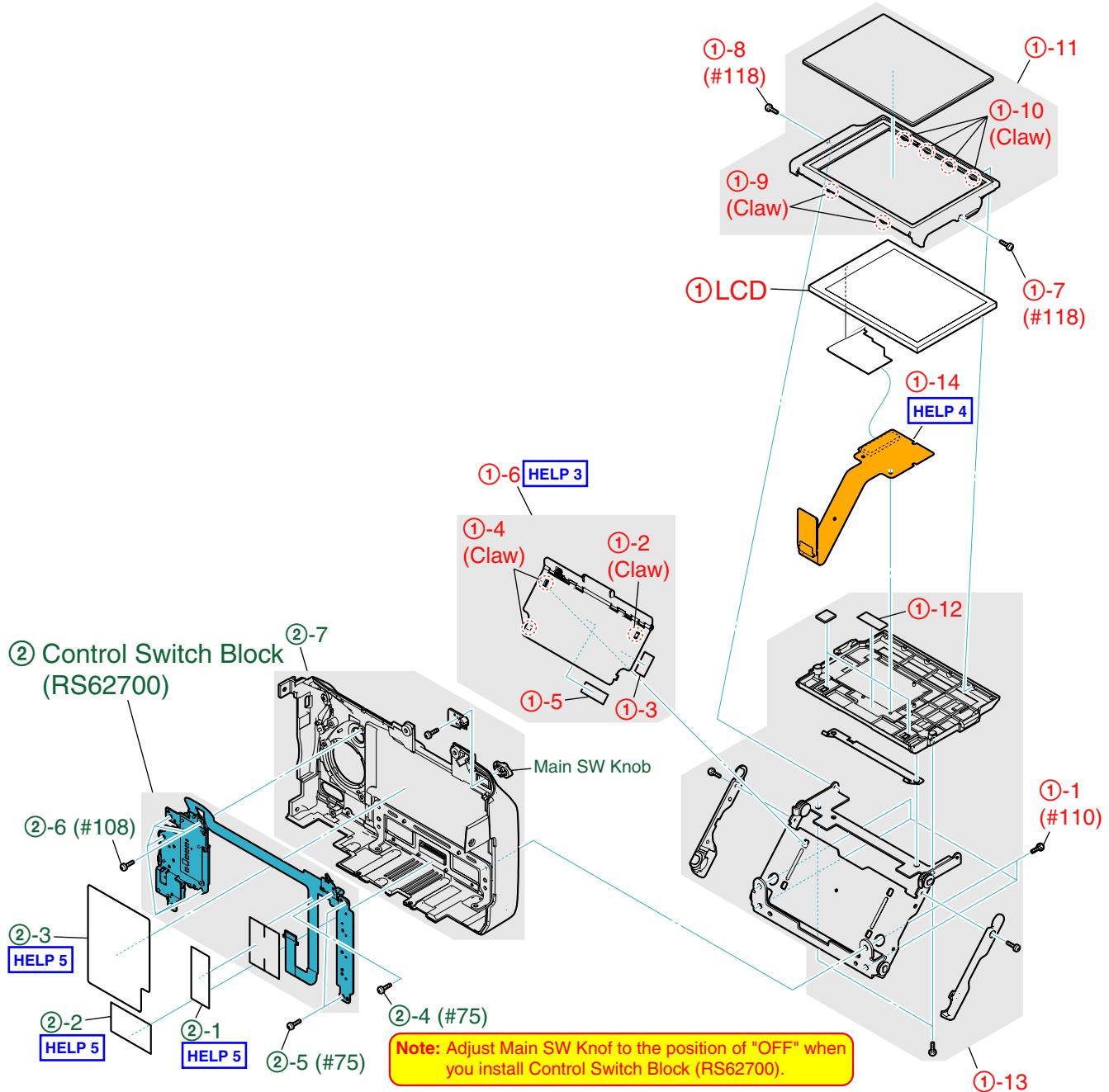
2-2-3. REAR COVER SECTION

Follow the disassembly in the numerical order given.

- ① LCD (①-1 to ①-14)
- ② Control Switch Block (RS62700) (②-1 to ②-7)

EXPLODED VIEW

HARDWARE LIST



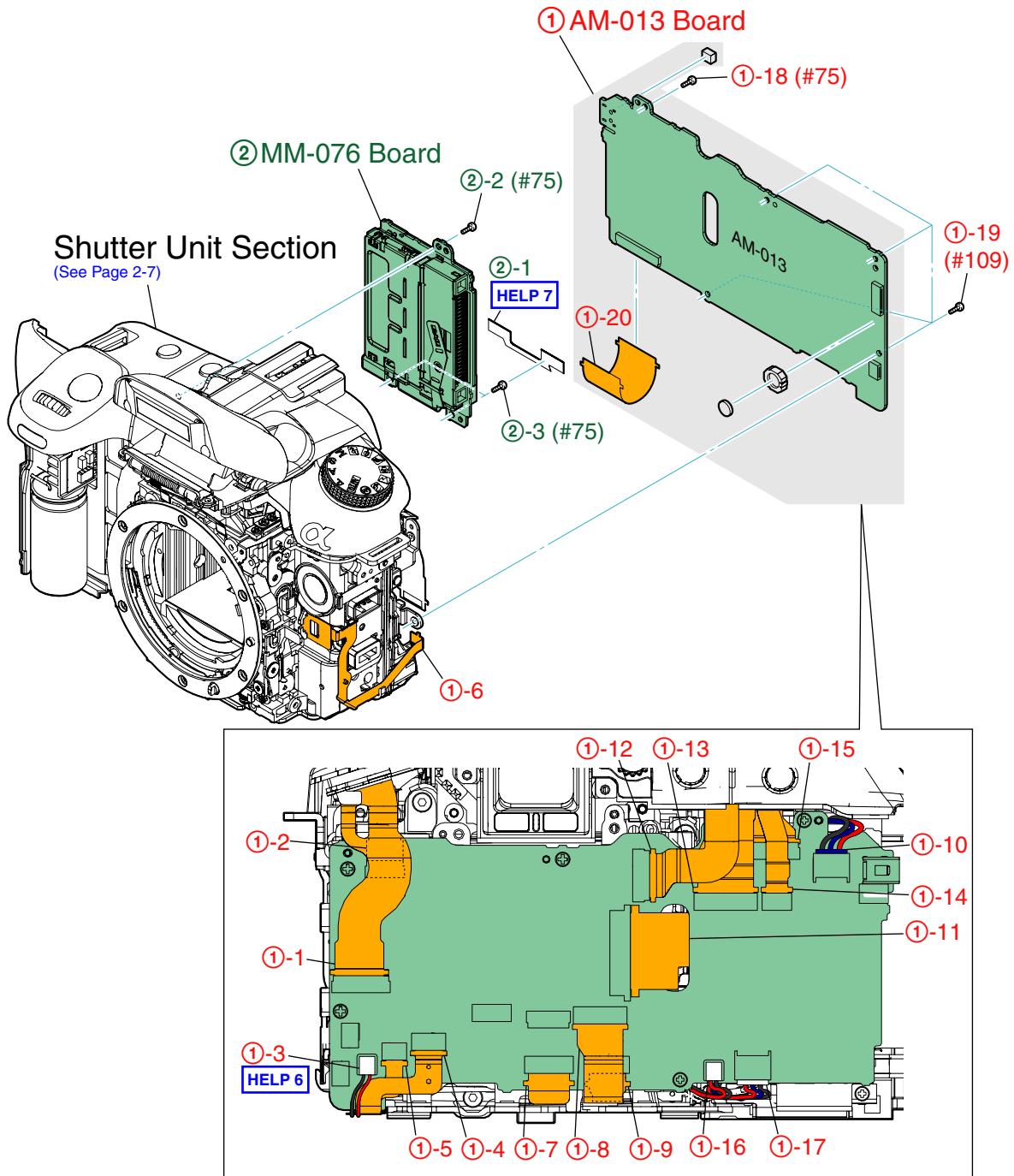
2-2-4. MAIN BOARD SECTION

Follow the disassembly in the numerical order given.

- ① AM-013 Board (①-1 to ①-20)
- ② MM-076 Board (②-1 to ②-3)

EXPLODED VIEW

HARDWARE LIST



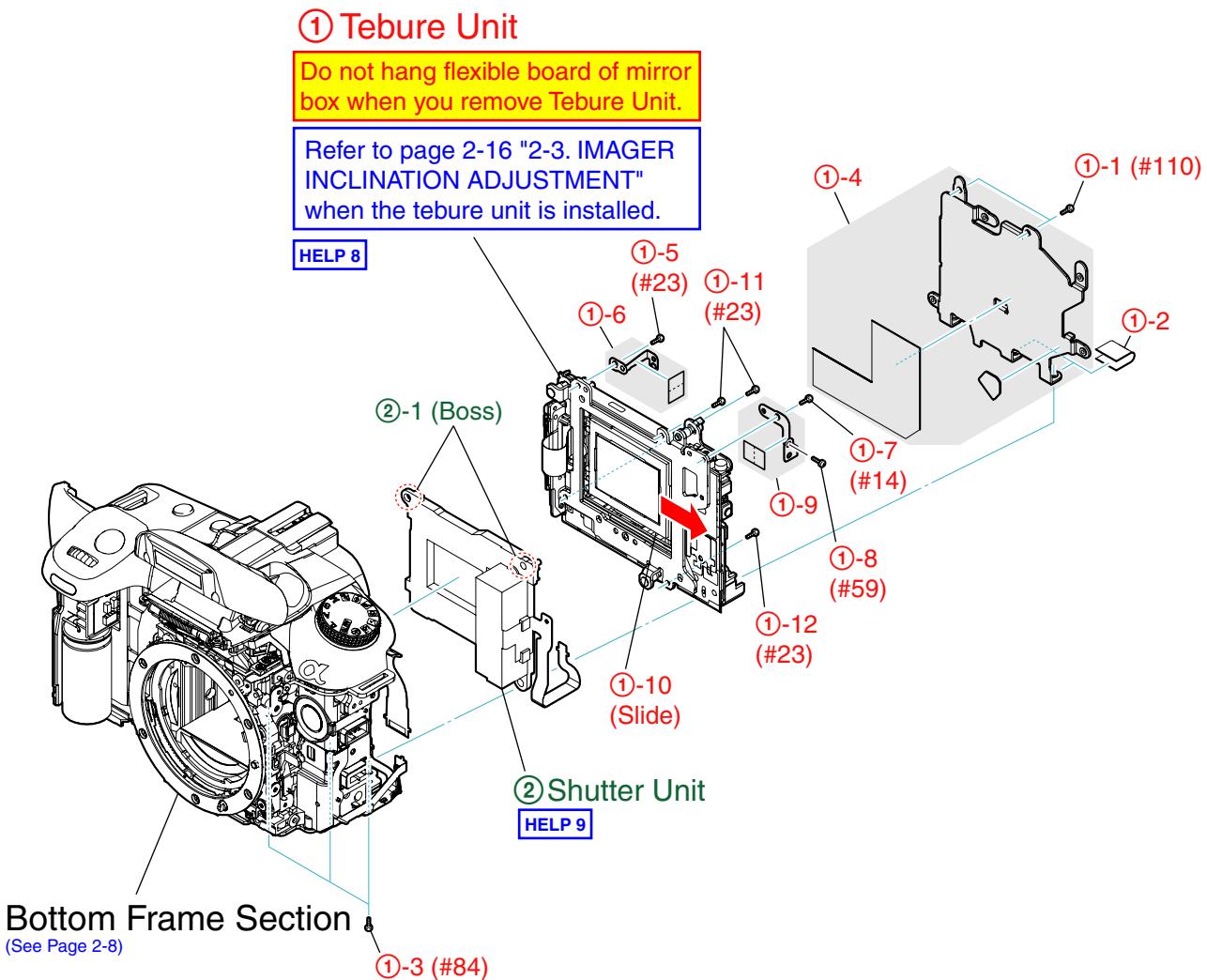
2-2-5. SHUTTER UNIT SECTION

Follow the disassembly in the numerical order given.

- ① Tebure Unit (①-1 to ①-12)
- ② Shutter Unit (②-1)

EXPLODED VIEW

HARDWARE LIST



2-2-6. BOTTOM FRAME SECTION

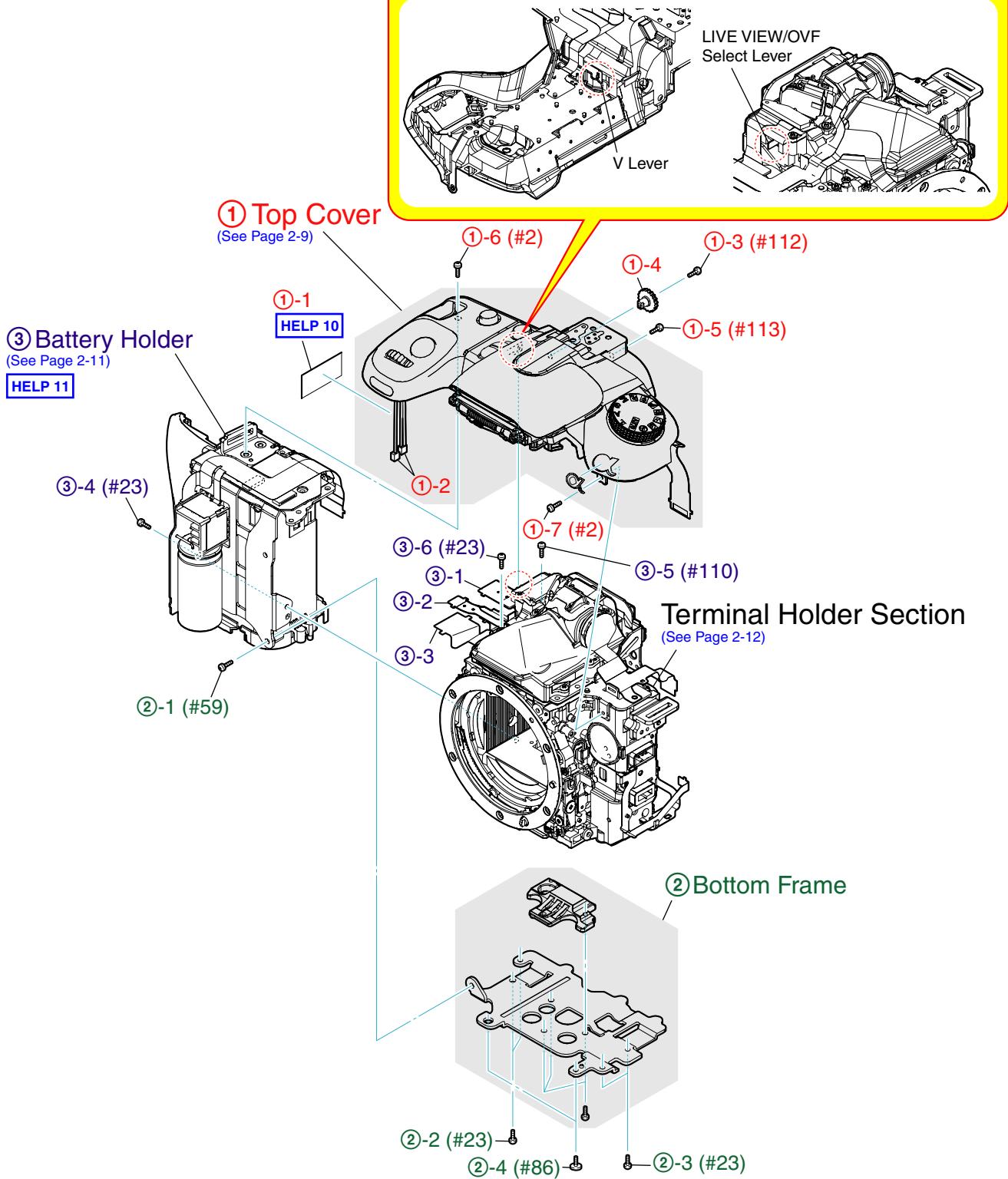
Follow the disassembly in the numerical order given.

- ① Top Cover (①-1 to ①-7)
- ② Bottom Frame (②-1 to ②-4)
- ③ Battery Holder (③-1 to ③-6)

EXPLODED VIEW

HARDWARE LIST

Note: On installation of the top cover, adjust the position of the V lever and the LIVE VIEW/OVF Select Lever.



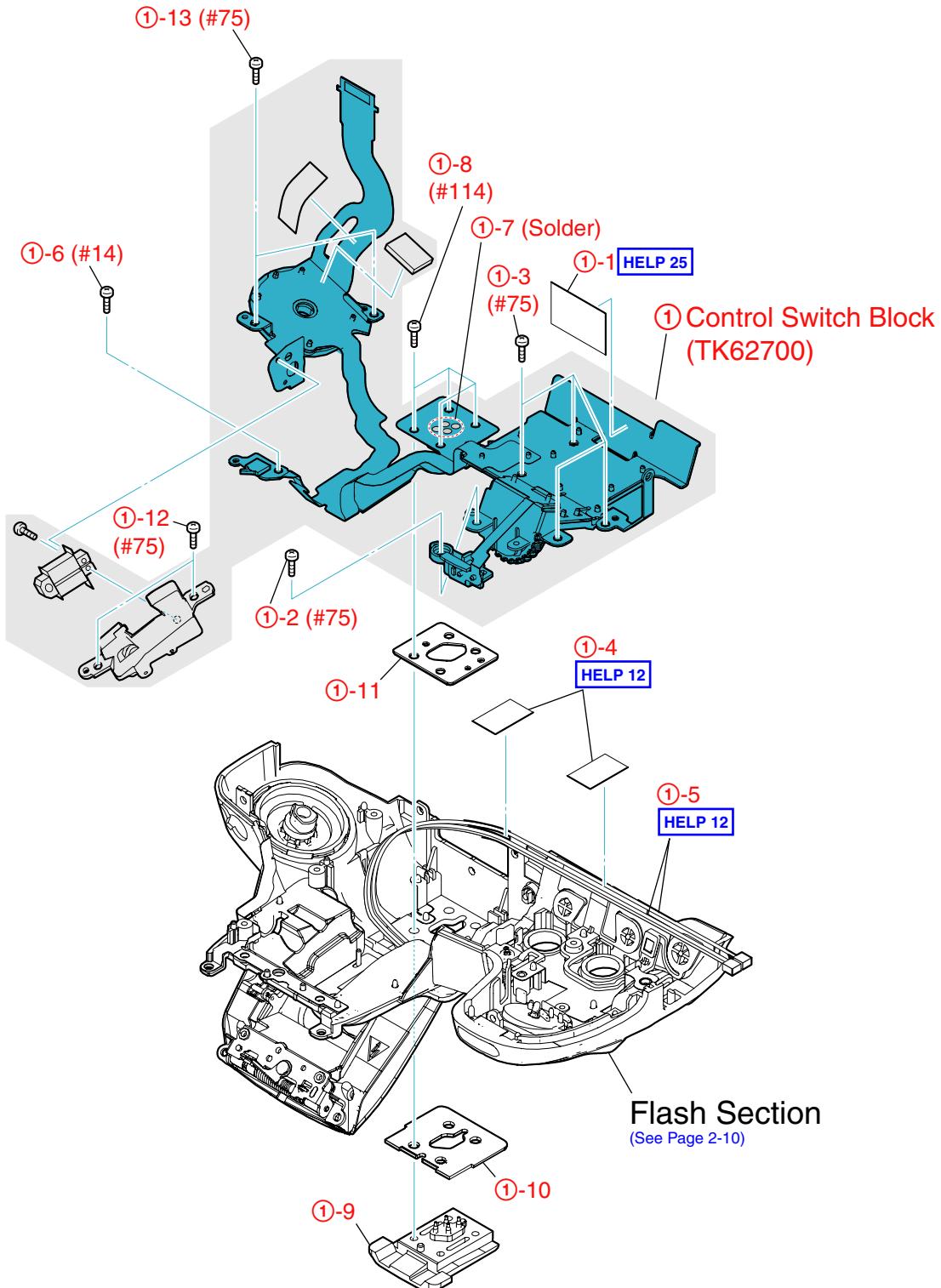
2-2-7. TOP COVER SECTION

Follow the disassembly in the numerical order given.

① Control Switch Block (TK62700) (①-1 to ①-13)

EXPLODED VIEW

HARDWARE LIST



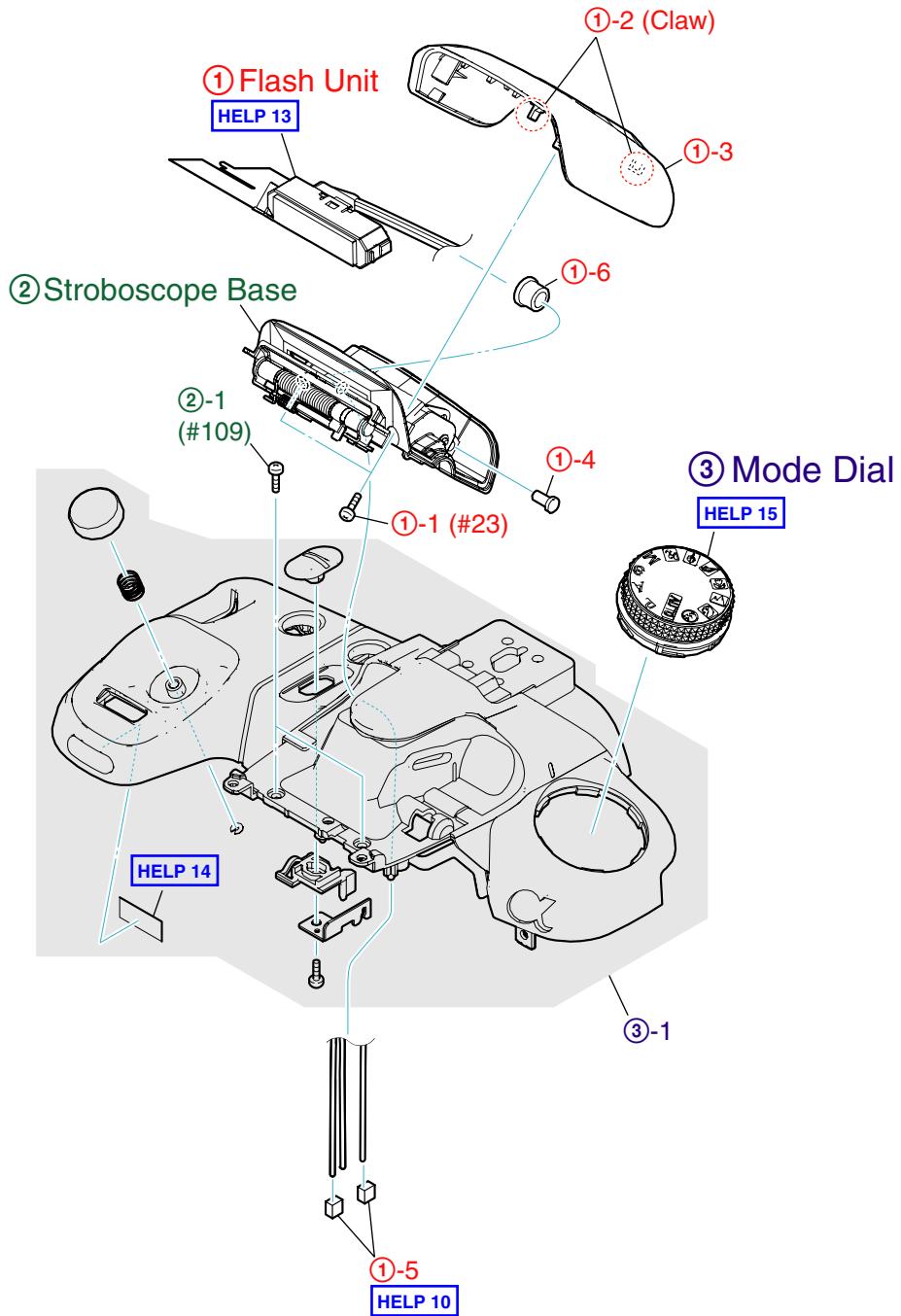
2-2-8. FLASH UNIT SECTION

Follow the disassembly in the numerical order given.

- ① Flash Unit (①-1 to ①-6)
- ② Stroboscope Base (②-1)
- ③ Mode Dial (③-1)

EXPLODED VIEW

HARDWARE LIST



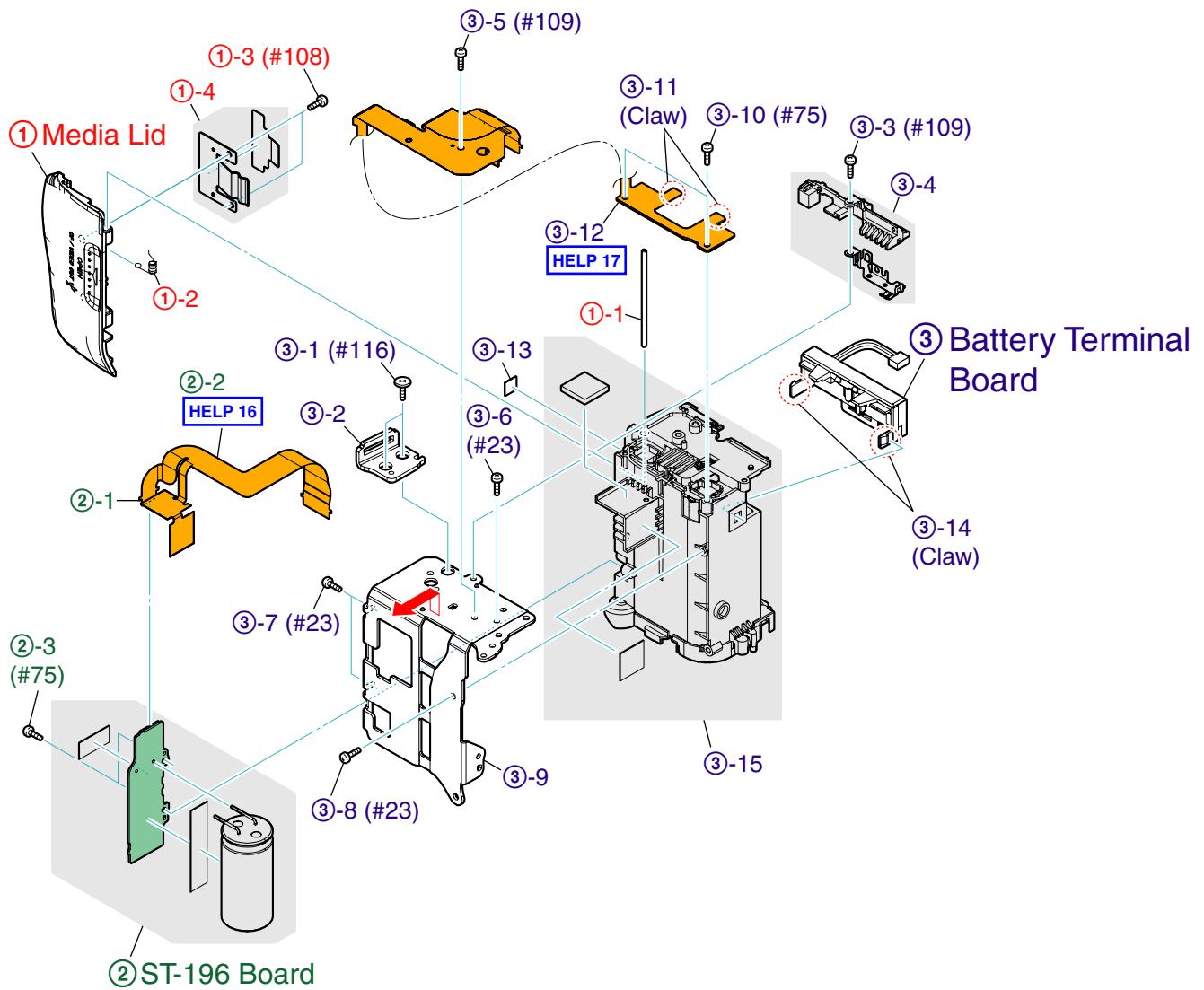
2-2-9. BATTERY HOLDER SECTION

Follow the disassembly in the numerical order given.

- ① Media Lid (①-1 to ①-4)
 - ② ST-196 Board (②-1 to ②-3)
 - ③ Battery Terminal Board (③-1 to ③-15)

EXPLODED VIEW

HARDWARE LIST



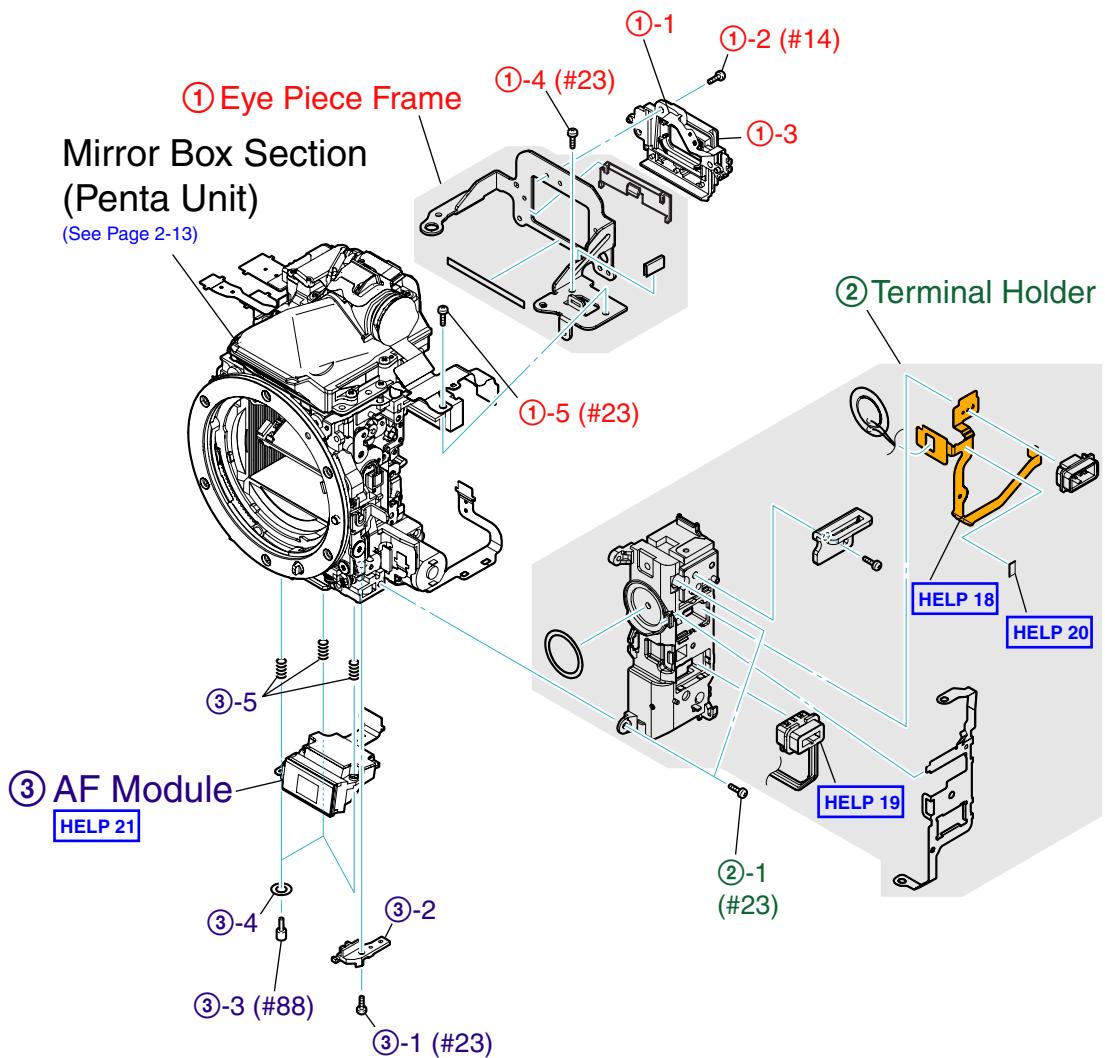
2-2-10. TERMINAL HOLDER SECTION

Follow the disassembly in the numerical order given.

- ① Eye Piece Frame (①-1 to ①-5)
- ② Terminal Holder (②-1)
- ③ AF Module (③-1 to ③-5)

EXPLODED VIEW

HARDWARE LIST



2-2-11. MIRROR BOX SECTION (PENTA UNIT)

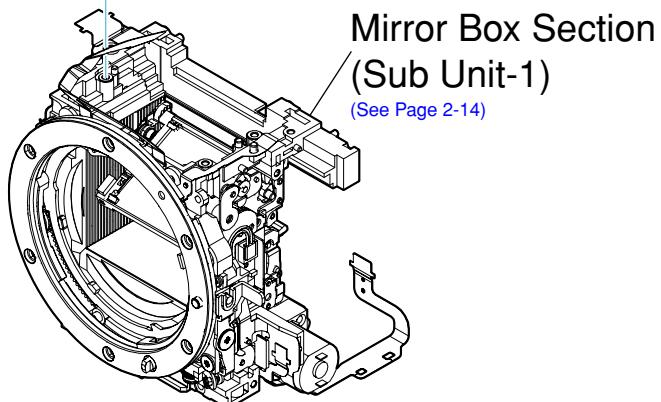
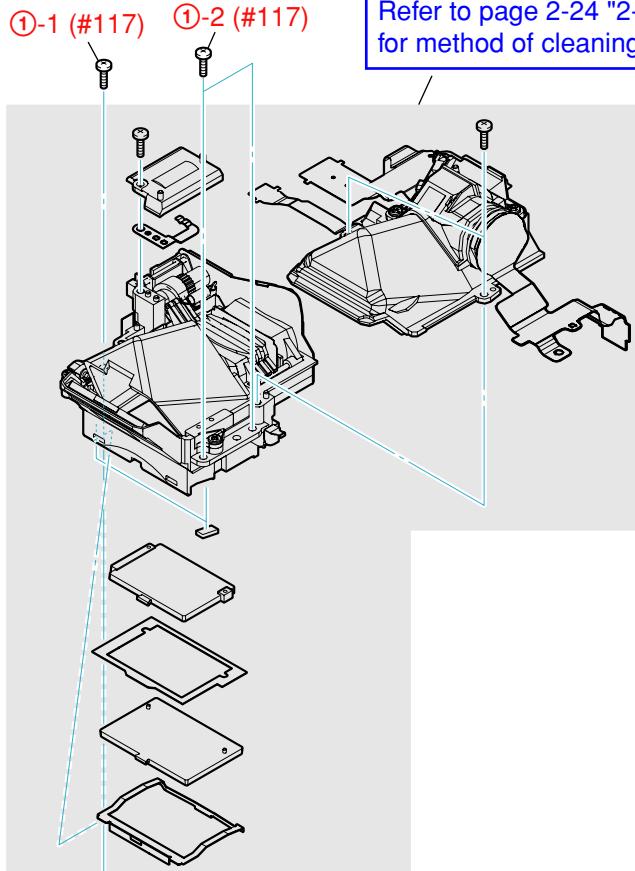
Follow the disassembly in the numerical order given.

① Penta Unit (①-1 to ①-2)

EXPLODED VIEW**HARDWARE LIST****① Penta Unit**

Refer to page 1-2 "1-5. METHOD OF EXCHANGING SI SCREEN AND FOCUS PLATE" when SI screen or focus plate are exchanged.

Refer to page 2-24 "2-12. CLEANING PROCEDURE OF VIEWFINDER" for method of cleaning the viewfinder.



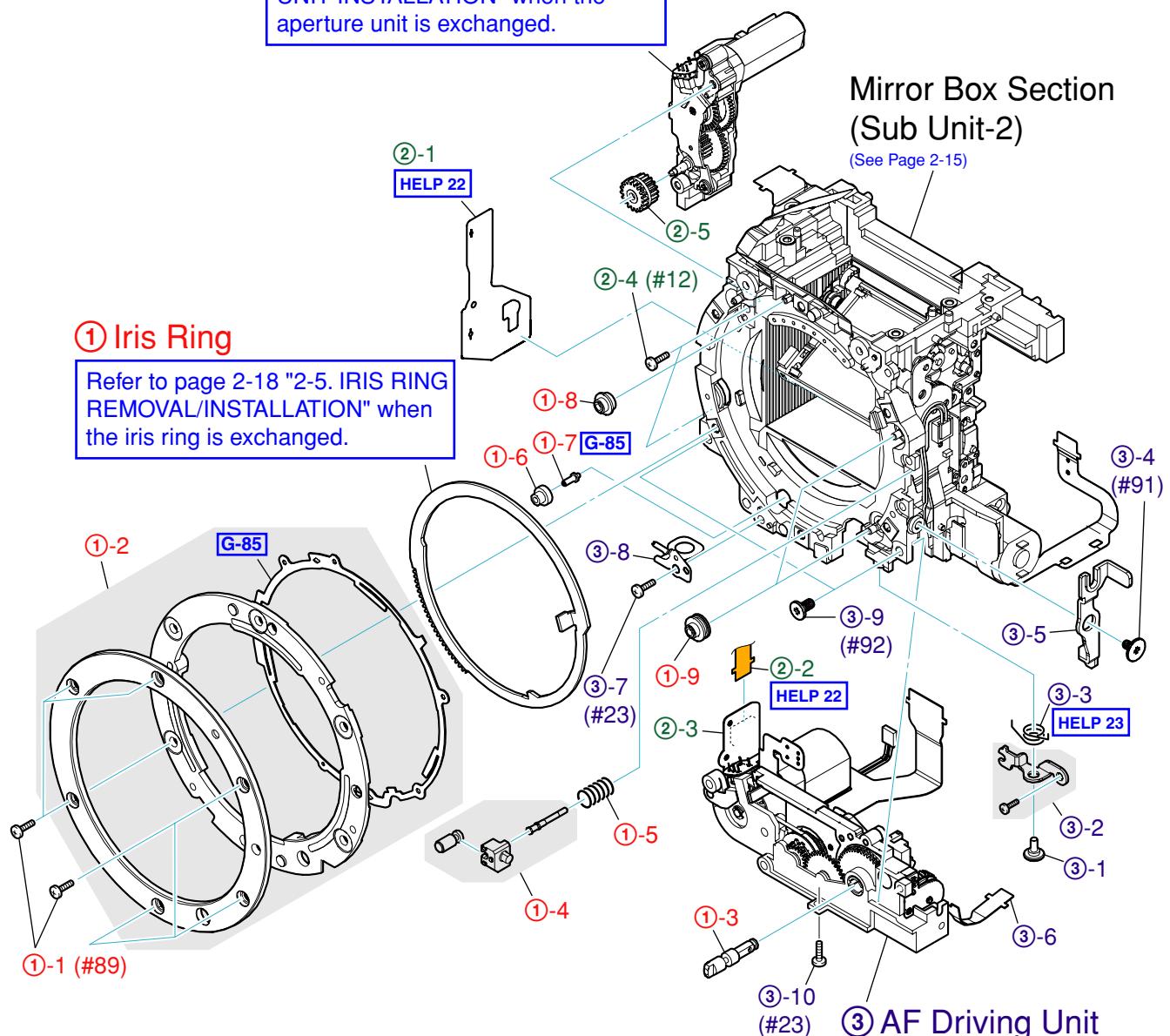
2-2-12. MIRROR BOX SECTION (SUB UNIT-1)

Follow the disassembly in the numerical order given.

- ① Iris Ring (①-1 to ①-9)
- ② Aperture Unit (②-1 to ②-5)
- ③ AF Driving Unit (③-1 to ③-10)

EXPLODED VIEW**HARDWARE LIST****② Aperture Unit**

Refer to page 2-18 "2-6. APERTURE UNIT INSTALLATION" when the aperture unit is exchanged.



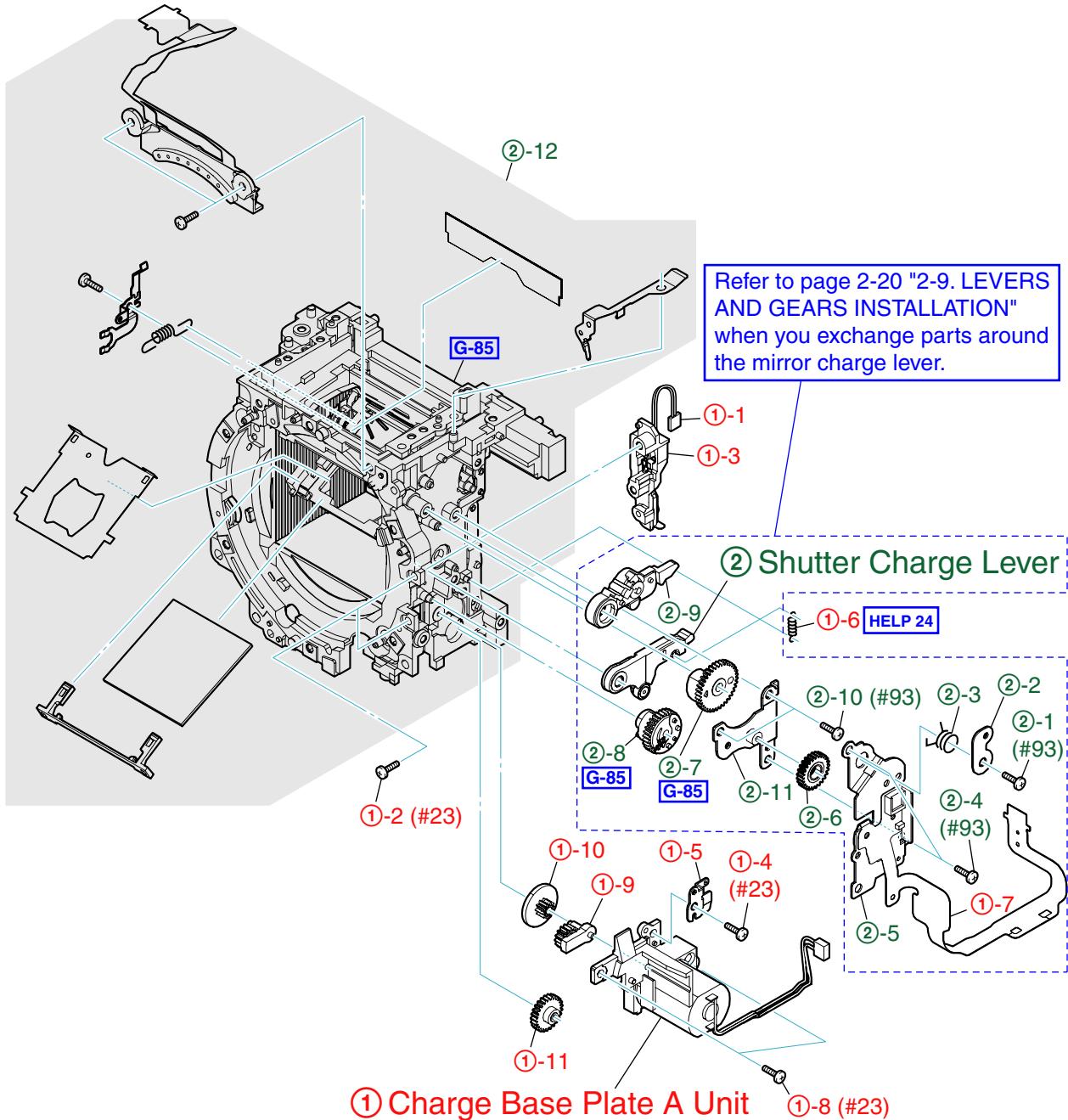
2-2-13. MIRROR BOX SECTION (SUB UNIT-2)

Follow the disassembly in the numerical order given.

- ① Charge Base Plate A Unit (①-1 to ①-11)
- ② Shutter Charge Lever (②-1 to ②-12)

EXPLODED VIEW

HARDWARE LIST



2-3. IMAGER INCLINATION ADJUSTMENT

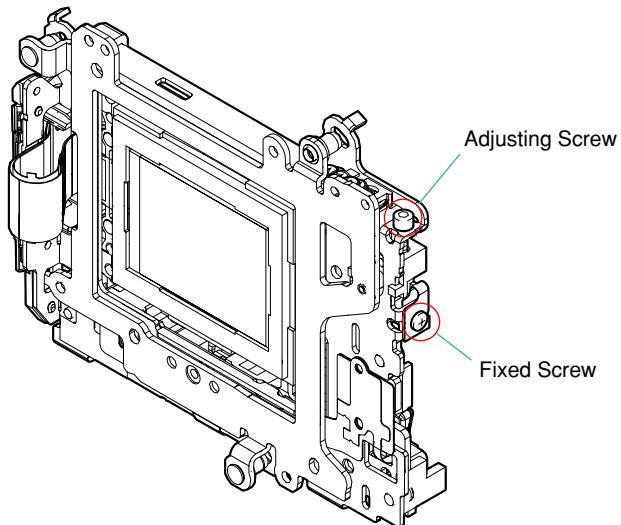
Checking Method

1. Use the copy stand or place a mirror on the wall, and adjust the accuracy so that the camera is opposed to the mirror.
2. Use the AE master lens as an inspection lens.
3. Obtain the inclination angle with the Photoshop, and perform as follows according to the angle:
 - For the angle above ± 1.0 degree, be sure to repair the camera.
 - For the angle above ± 0.5 degree and below ± 1.0 degree, repair the camera according to the user's requirement level.
 - For the angle below ± 0.5 degree, check again the angle to satisfy the specified value.

Adjusting Method

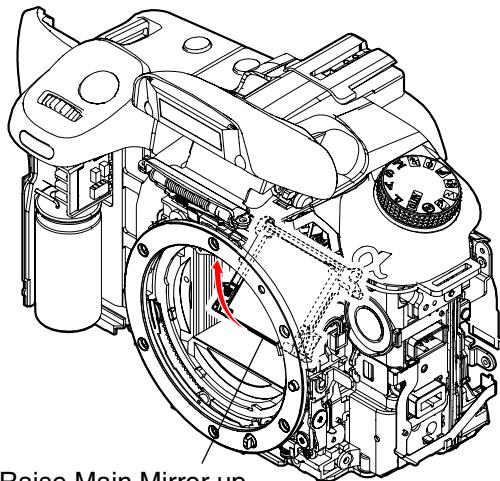
1. Loosen the fixed screw.
2. Adjust the inclination with the adjusting screw.
 - For an image that tilts to the right, rotate the screw clockwise.
 - For an image that tilts to the left, rotate the screw counterclockwise.
3. Tighten the fixed screw.

Imager Inclination Adjusting Screw

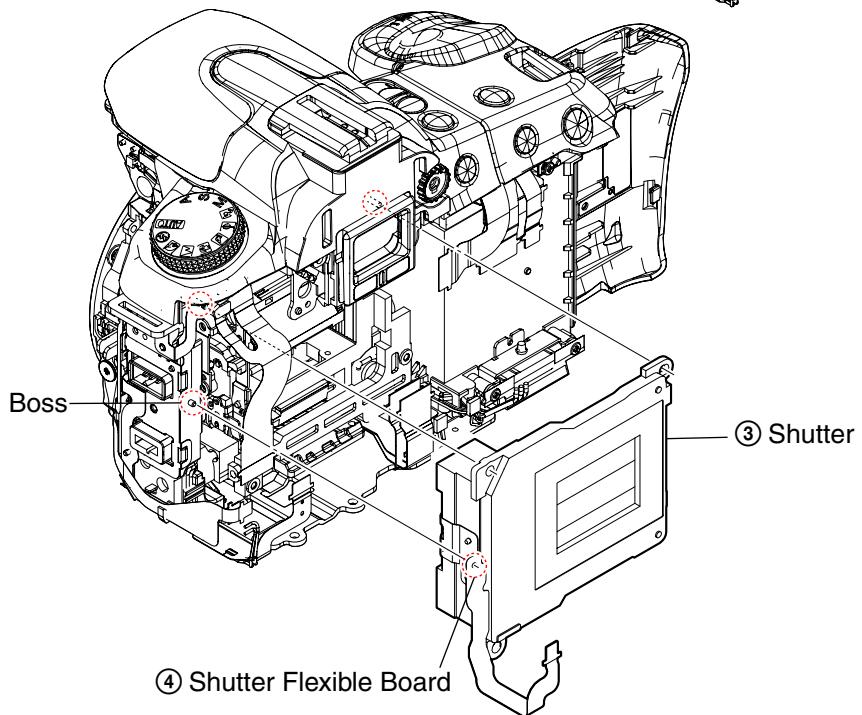
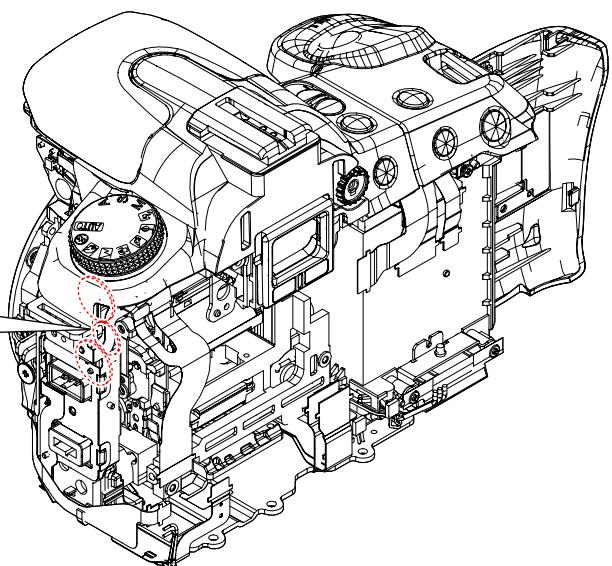
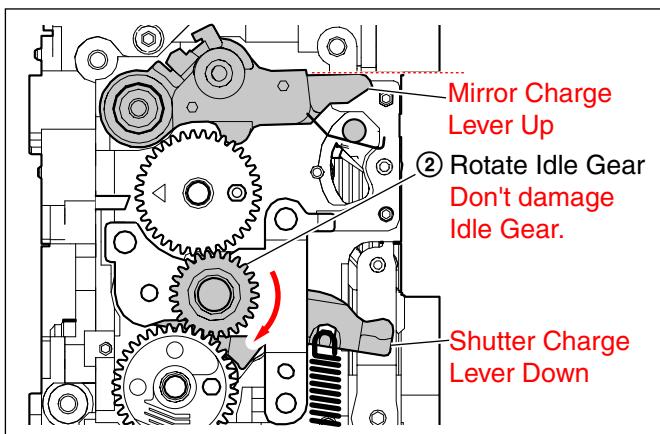


2-4. SHUTTER INSTALLATION

Follow the assembly in the numerical order given.



① Raise Main Mirror up.



2-5. IRIS RING REMOVAL/INSTALLATION

Removal

Rotate the iris ring clockwise, and remove it at the stop position (iris-in end).

At this time, do not rotate the iris joint gear of the Aperture Unit.

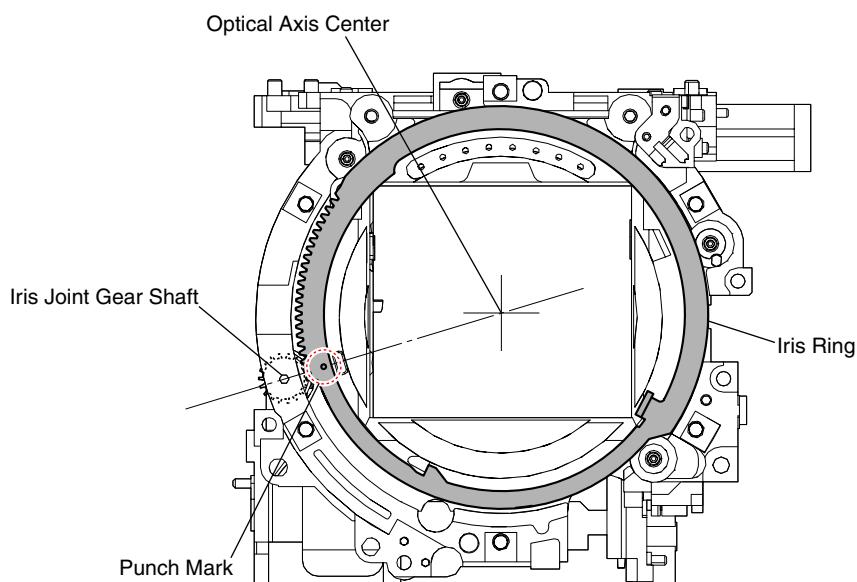
Installation

1. With the Aperture Unit set in the charge position (see "2-7. Aperture Unit Charge Position Setting"), install it on the front frame set.

* The Aperture Unit has been set in the charge position, if it is not removed.

However, the iris ring must be in the removed state (where the iris joint gear is not rotated).

2. Install the iris ring with its punch mark aligned with a line that connects the iris joint gear shaft and the optical axis center.



2-6. APERTURE UNIT INSTALLATION

* The Aperture Unit is supplied by being set in the charge position (initial position), but if this position is disordered when the Aperture Unit is removed, or if the charge position is to be set again, perform as follows.

* Refer to "2-7. Aperture Unit Charge Position Setting" for the confirm method at the charge position.

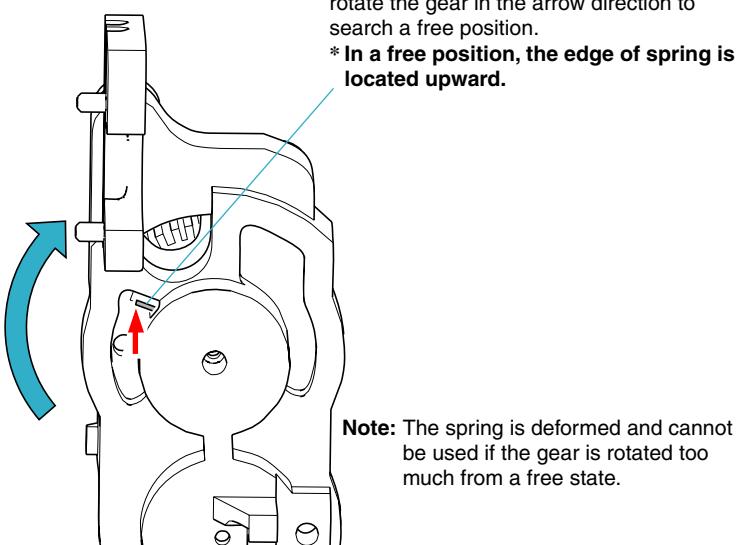
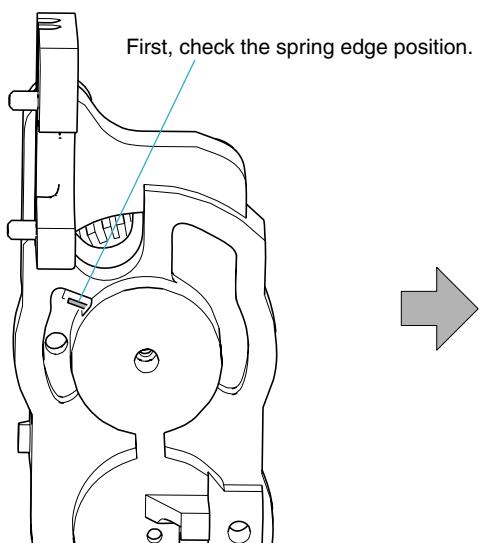
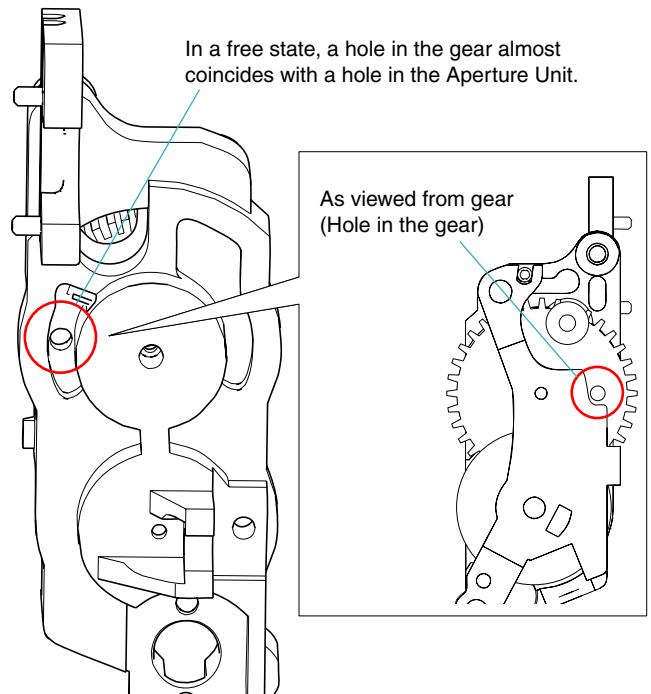
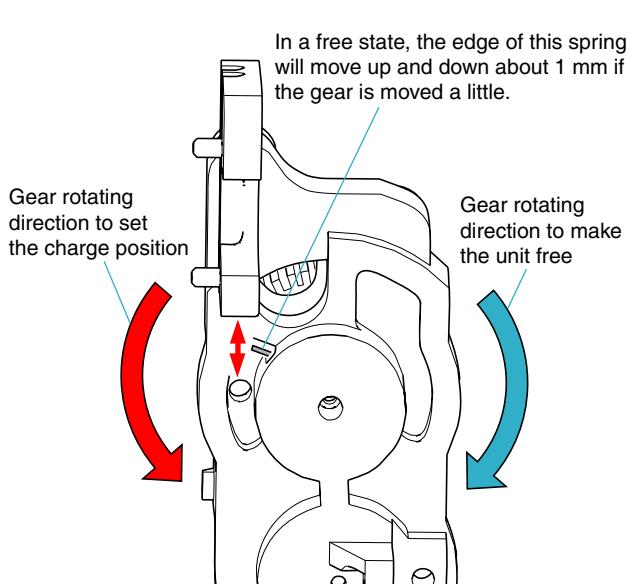
2-7. APERTURE UNIT CHARGE POSITION SETTING

1. Check that the Aperture Unit is in a free state.
2. After confirming that the Aperture Unit is in a free state, rotate the gear by 3 turns.
3. After rotating the gear by 3 turns, set the Aperture Unit where the holes in the gear and the Aperture Unit coincide. This position is the charge position.

* Refer to "2-8. Aperture Unit Free Position Setting" for the setting and the confirm method at the free position.

2-8. APERTURE UNIT FREE POSITION SETTING

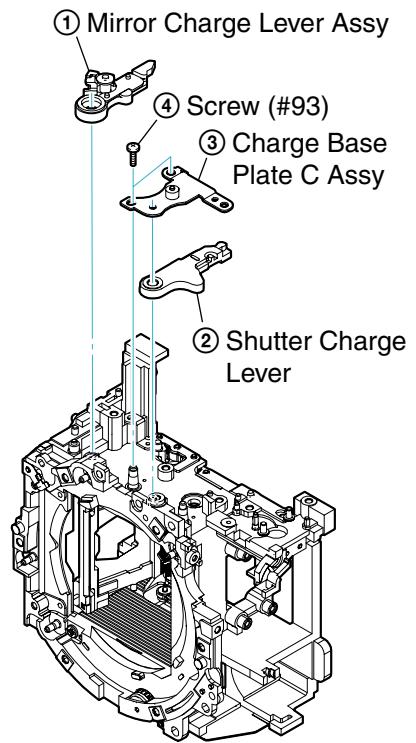
- Set the Aperture Unit to a free position once, if the gear was rotated accidentally and the charge position is disordered, or if the charge position was shifted during disassembly.



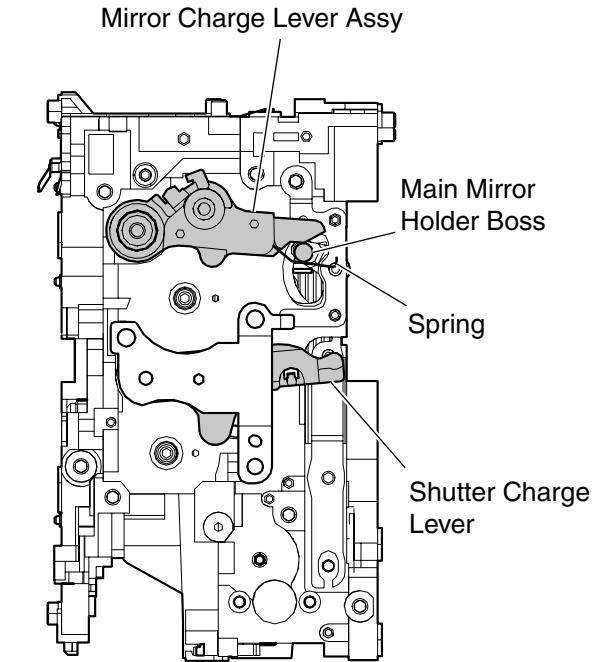
2-9. LEVERS AND GEARS INSTALLATION

Follow the assembly in the numerical order given.

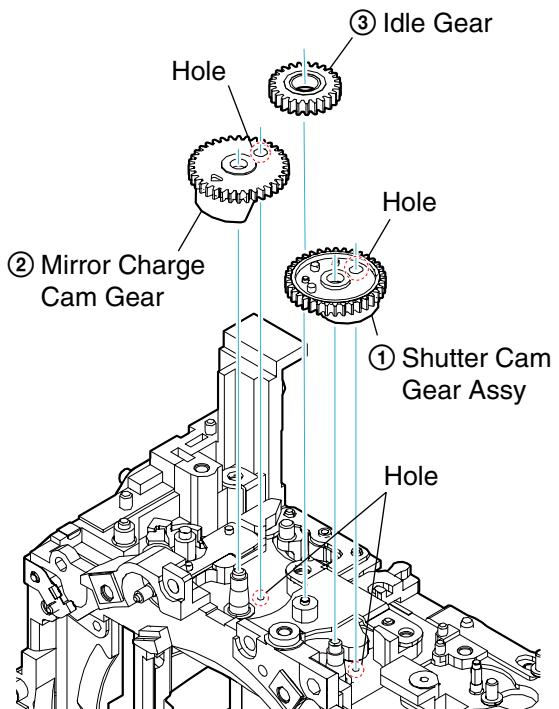
2-9-1. MIRROR CHARGE/SHUTTER CHARGE LEVERS INSTALLATION



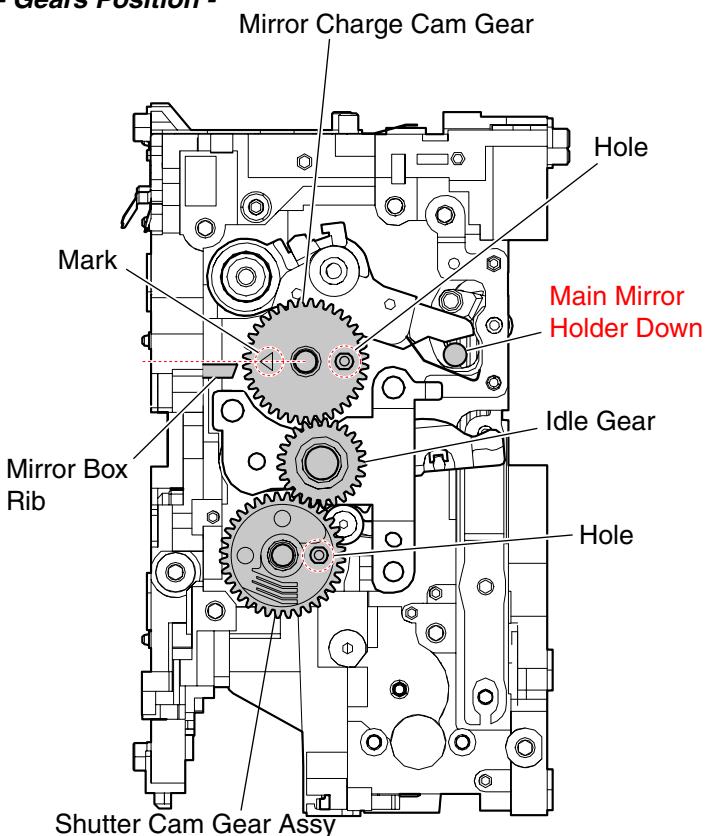
- Levers Position -



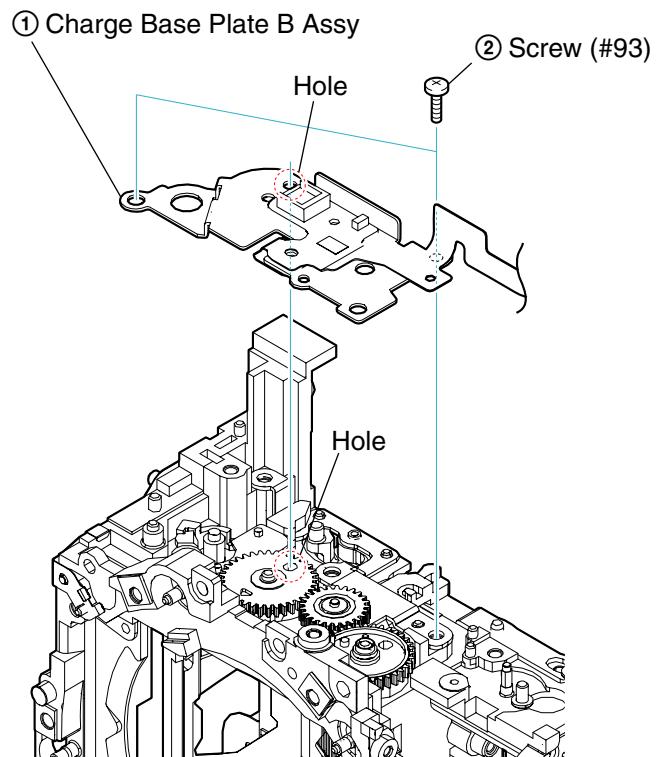
2-9-2. SHUTTER CAM/MIRROR CHARGE/IDLE GEARS INSTALLATION



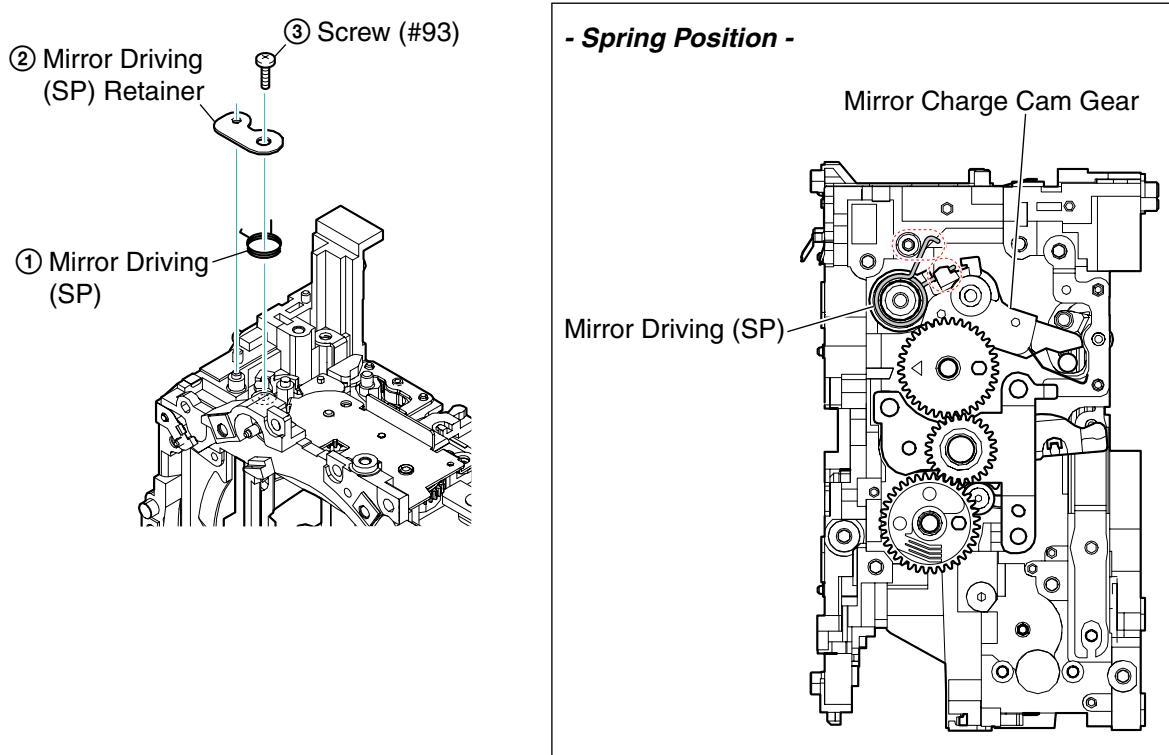
- Gears Position -



2-9-3. CHARGE BASE PLATE B INSTALLATION



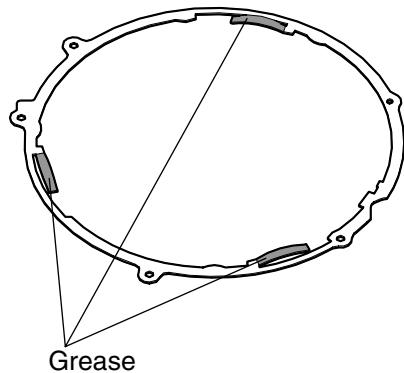
2-9-4. MIRROR DRIVING (SP) INSTALLATION



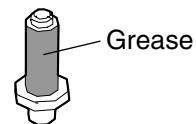
2-10.GREASE APPLICATION AREA

Grease uses G-85 (J-6082-626-A).

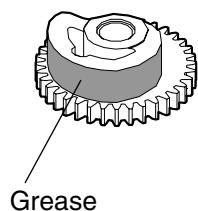
Ring (SP)



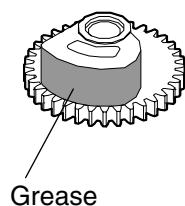
Ring Roller (C) Shaft



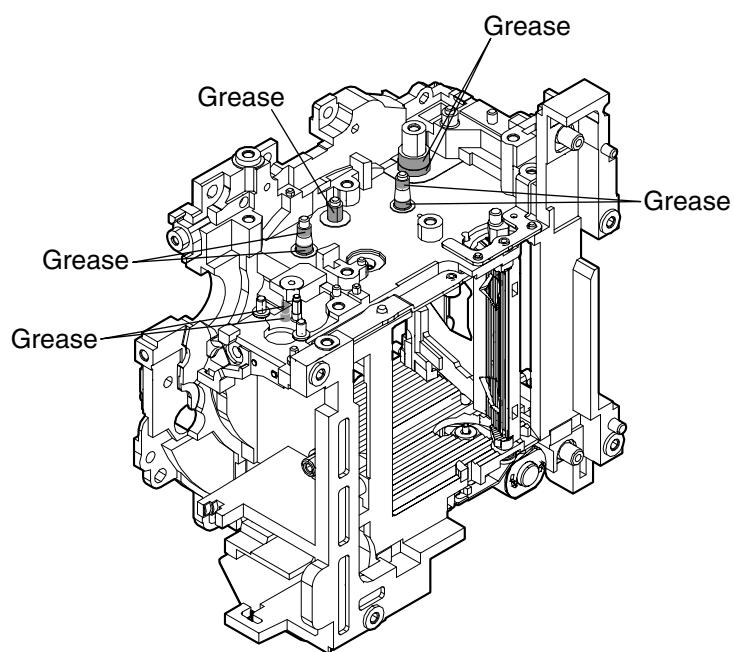
Shutter Cam Gear Assy



Mirror Charge Cam Gear



Front Frame Assy



2-11.CLEANING PROCEDURE OF OLPF

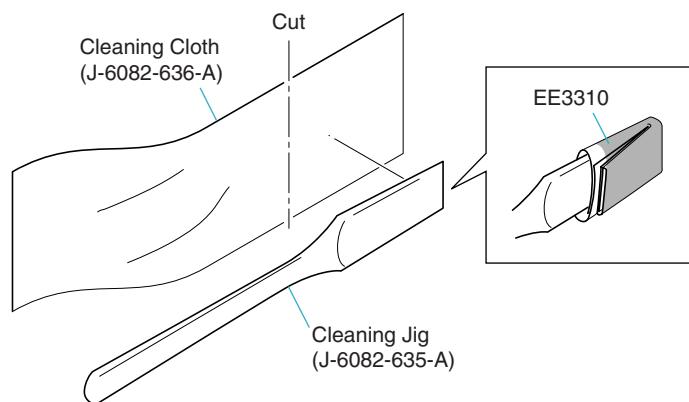
<Preparation>

Make it to Cleaning Mode of Power On/Set Up Menu by using the AC power supply.
(It comes to Mirror Up/Shutter Open)

Note: Use the AC power supply absolutely.

<Cleaning Method>

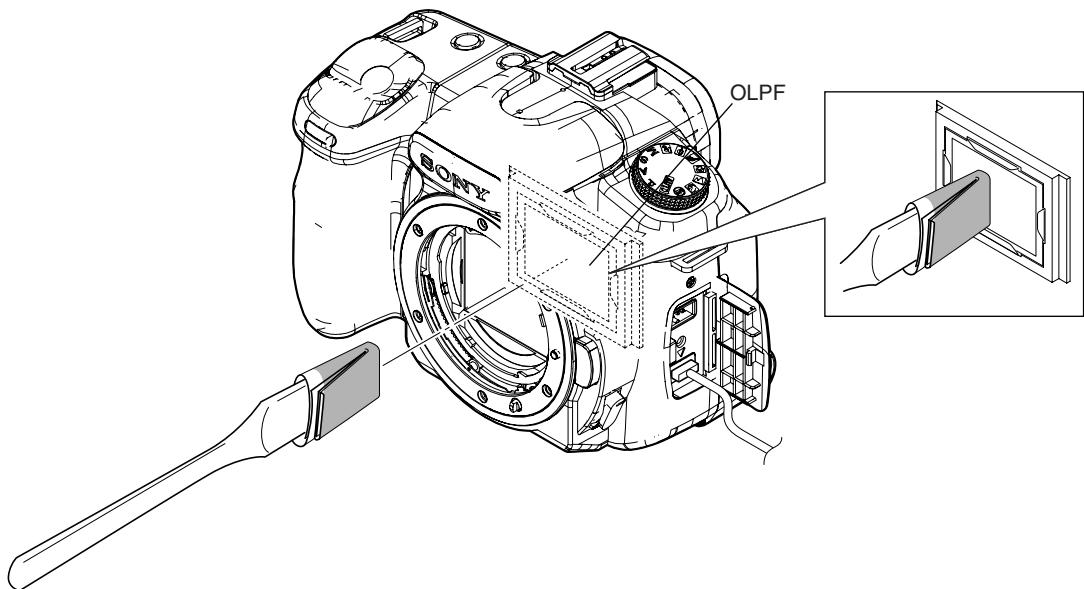
1. Soak a small amount of EE3310 (Liquid cleaner) after wrapping the cleaning cloth (J-6082-636-A) around the cleaning jig (J-6082-635-A).



2. Surface of OLPF is cleaned. (Note that there is no wipe irregularity)

3. Power off. (It comes to Shutter Close/Mirror Down)

Note: The cleaning of the OLPF must use a specified jig. If the specified jig is not used, the low pass filter might be damaged.

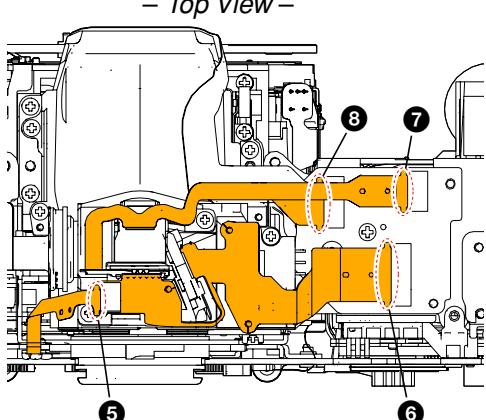
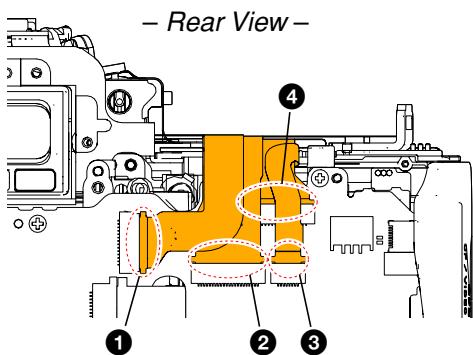


2-12.CLEANING PROCEDURE OF VIEWFINDER

Note: Confirm it is the same before the following item cleans it after cleaning the viewfinder.

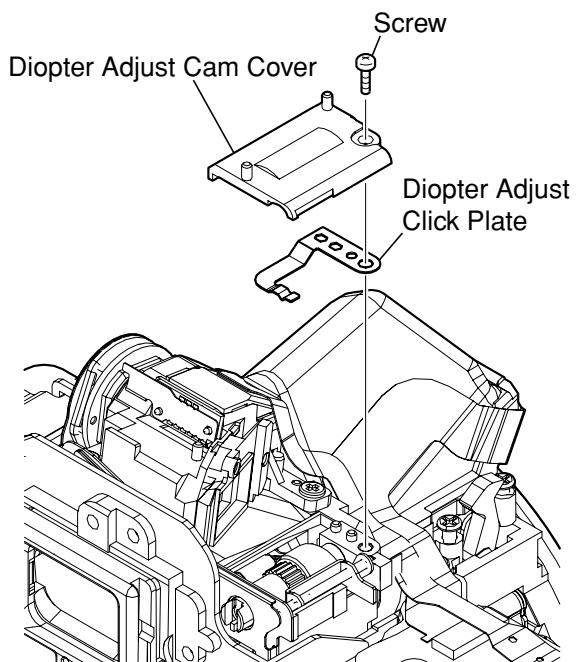
1. Digital zoom check
2. Inclination of Live view image
3. Resolution of Live view image in surrounding

- ① Remove the connection of eight flexible board.

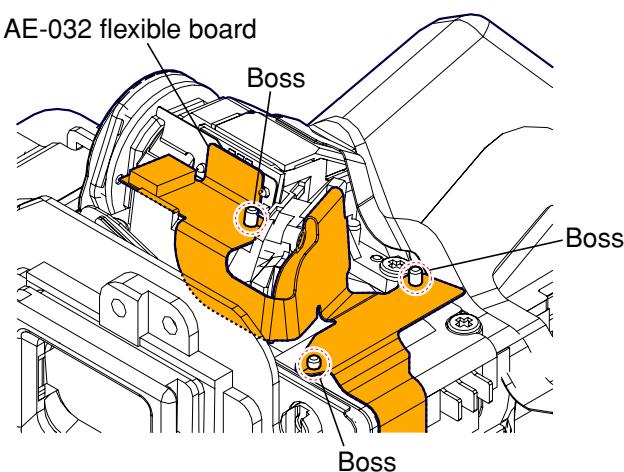


- ③ Remove the diopter adjust cam cover and the diopter adjust click plate after removing one screw.

Note: Removed parts are not supplied.
Please recycle.

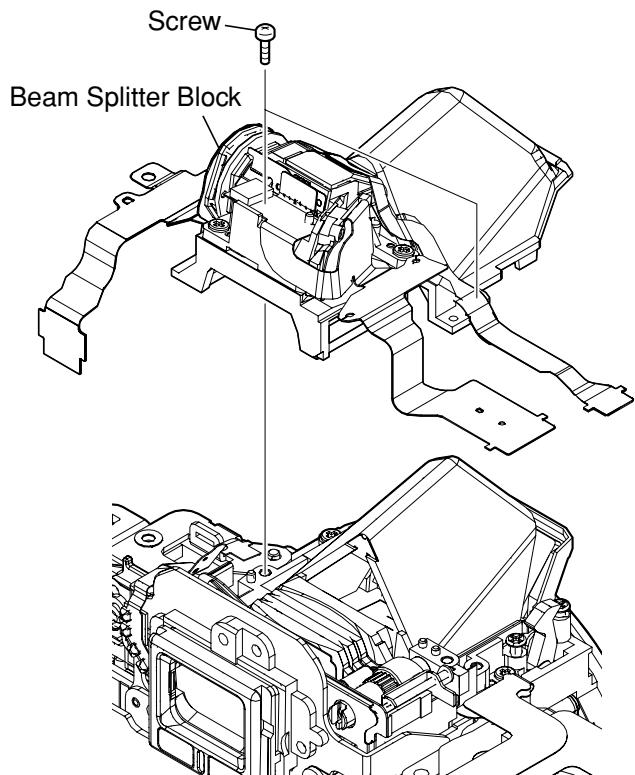


- ② Pull out three bosses from AE-032 flexible board.

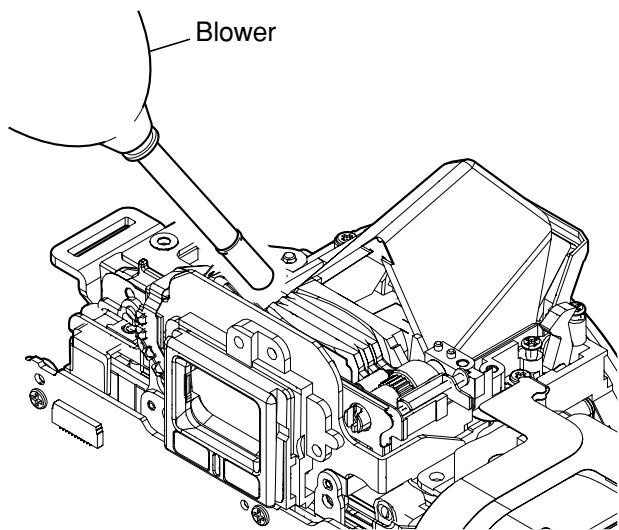


- ④ Remove the beam splitter block after removing two screws.

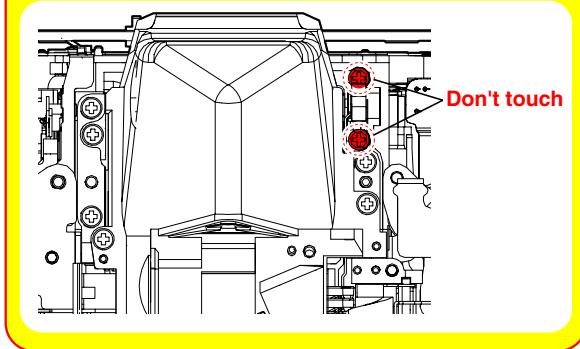
Note: Removed parts are not supplied.
Please recycle.



- ⑤ Clean dust with the blower.



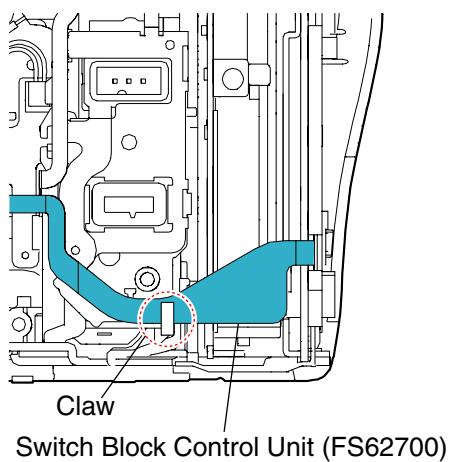
Caution: Never touch two screws.



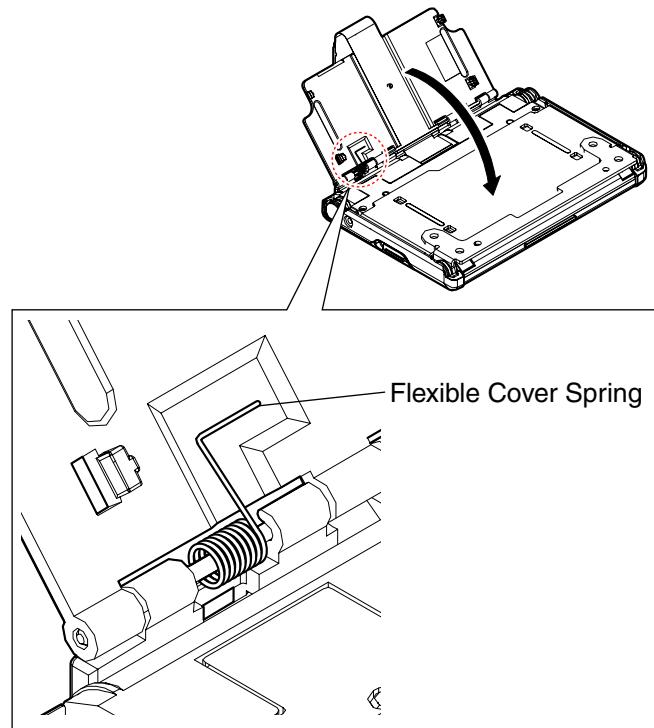
HELP

Sheet attachment positions and procedures of processing the flexible boards/harnesses are shown.

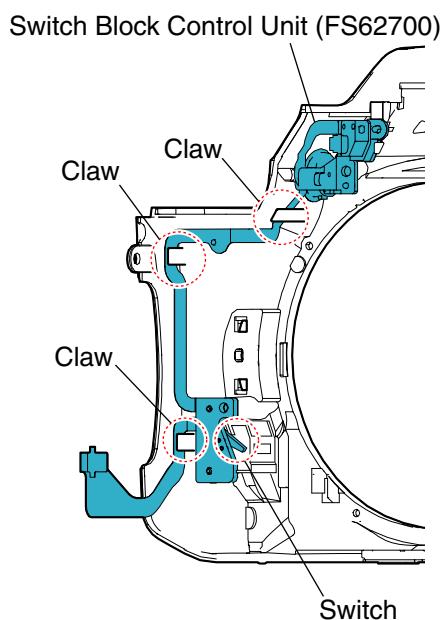
HELP 1: Switch Block Control Unit (FS62700)



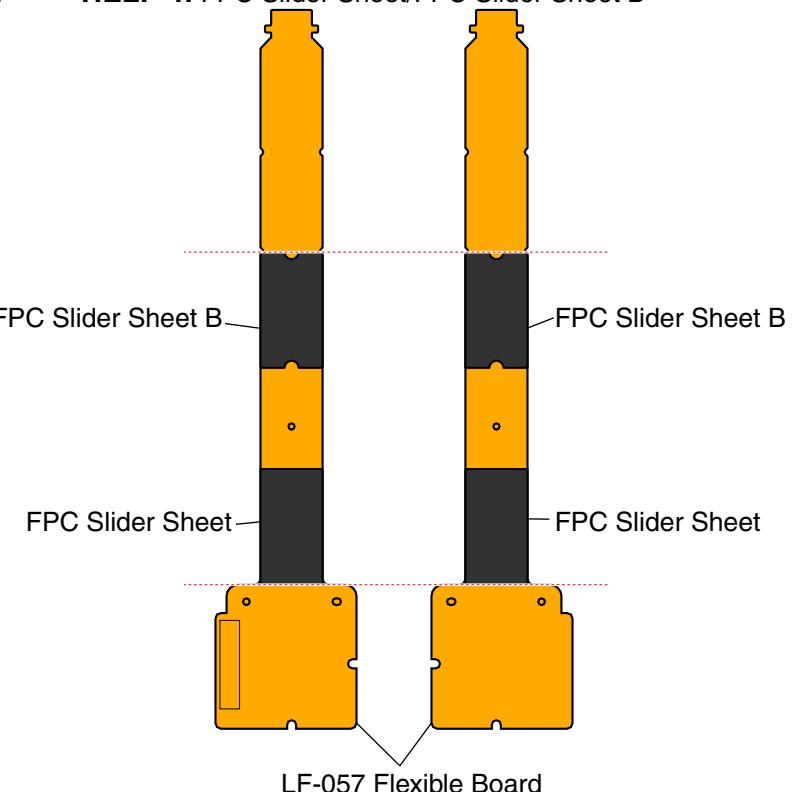
HELP 3: Flexible Cover Spring



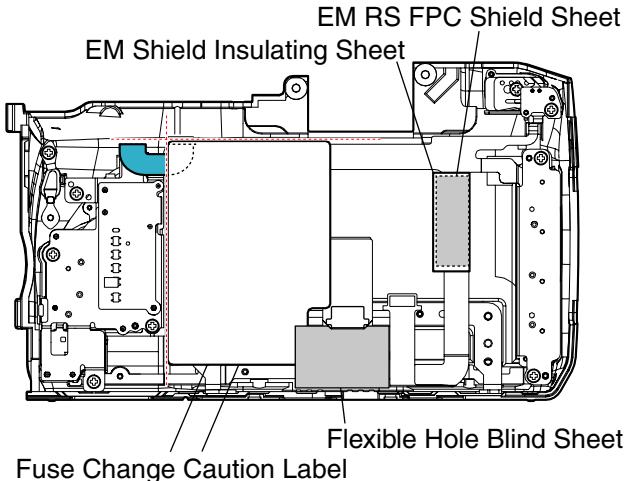
HELP 2: Switch Block Control Unit (FS62700)



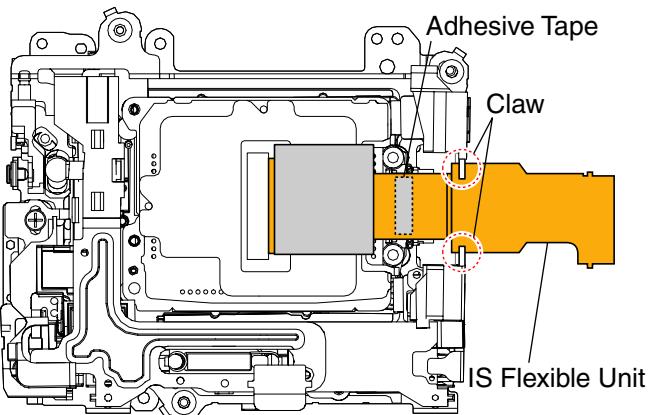
HELP 4: FPC Slider Sheet/FPC Slider Sheet B



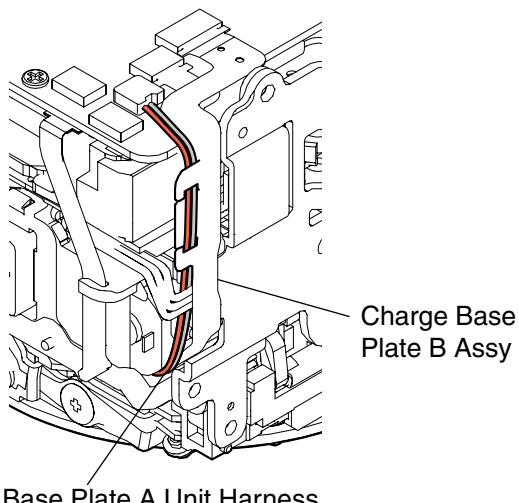
HELP 5: EM RS FPC Shield Sheet/
Fuse Change Caution Label/
Flexible Hole Blind Sheet/
EM Shield Insulating Sheet



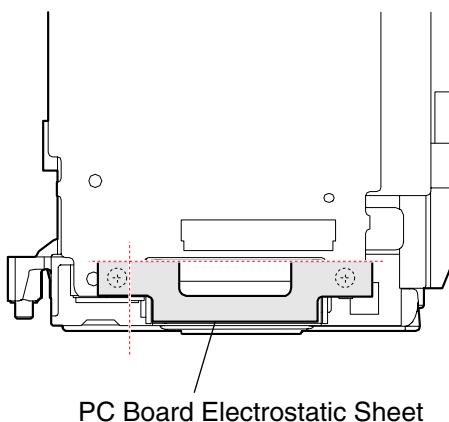
HELP 8: IS Flexible Unit



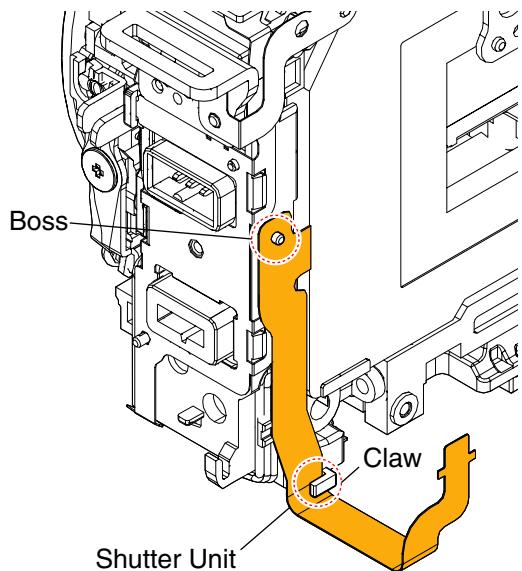
HELP 6: Charge Base Plate A Unit Harness



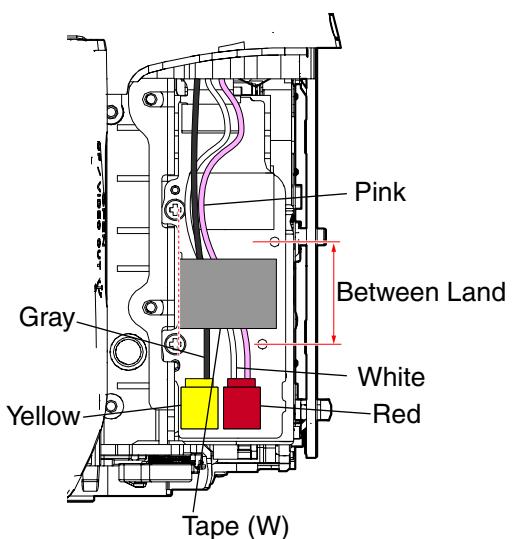
HELP 7: PC Board Electrostatic Sheet



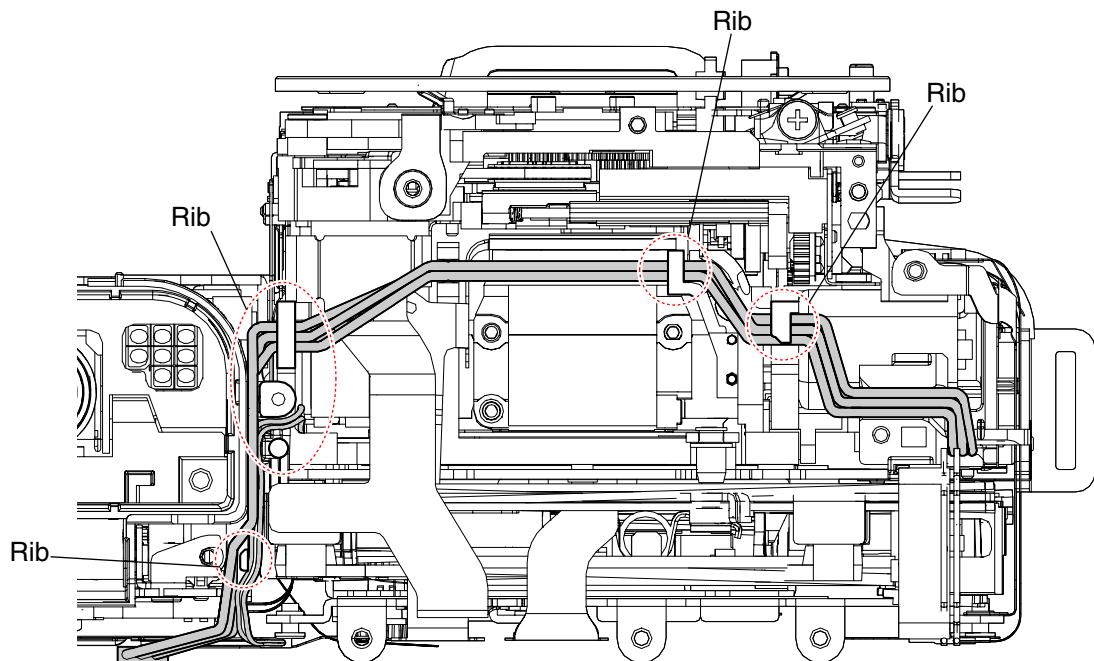
HELP 9: Shutter Unit



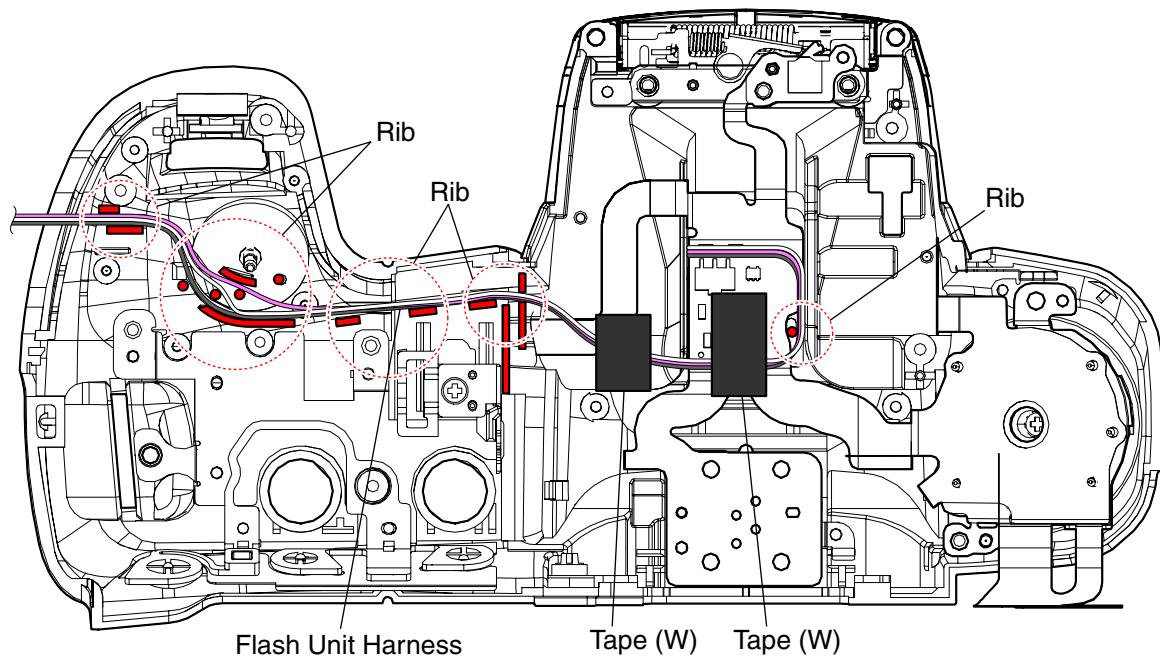
HELP 10: Flush Unit Harness/Tape (W)



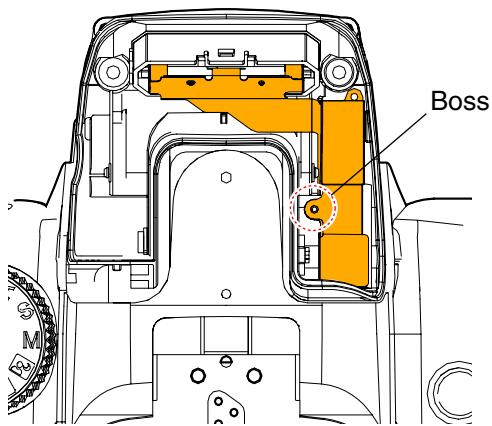
HELP 11: DC Jack Harness



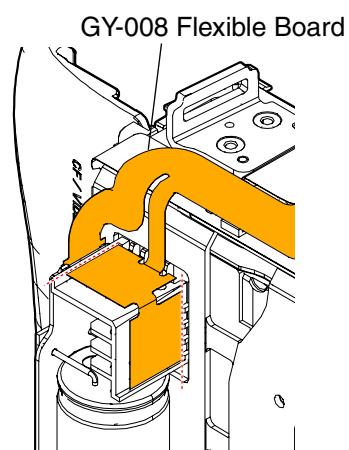
HELP 12: Flash Unit Harness/Tape (W)



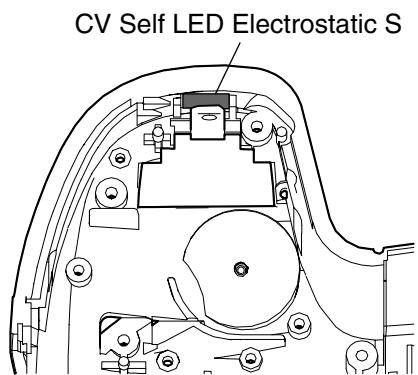
HELP 13: Flush Unit



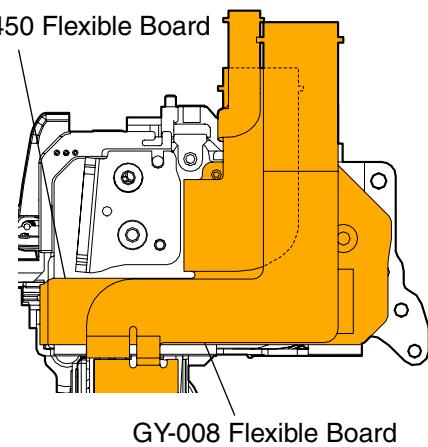
HELP 16: GY-008 Flexible Board



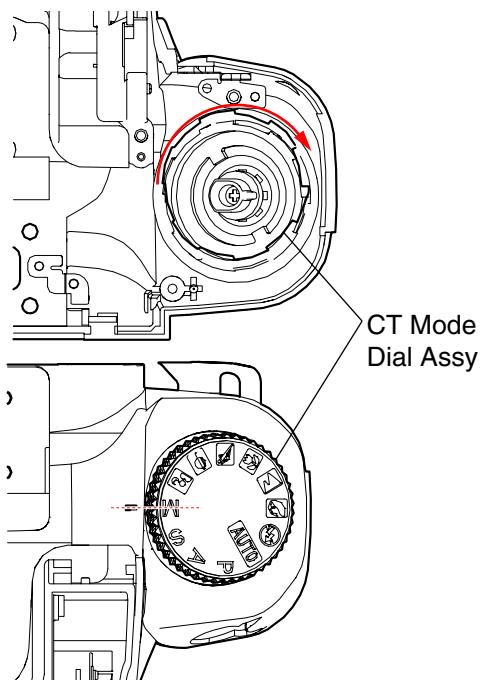
HELP 14: CV Self LED Electrostatic S



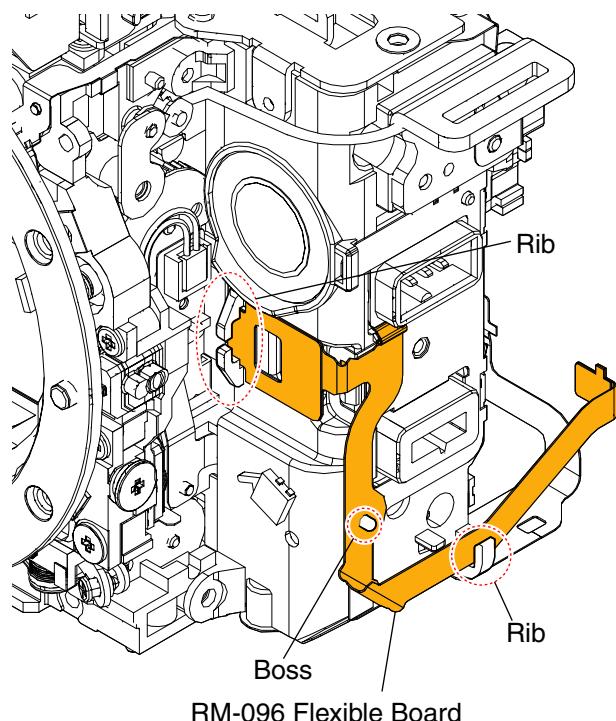
HELP 17: MA-450 Flexible Board

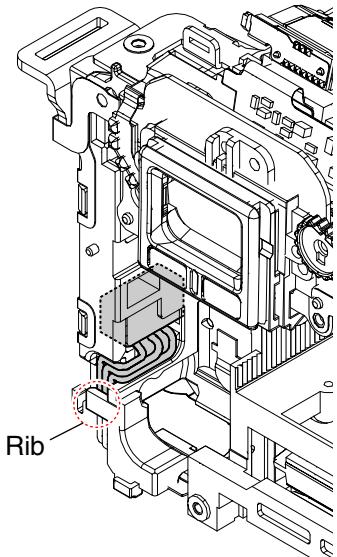
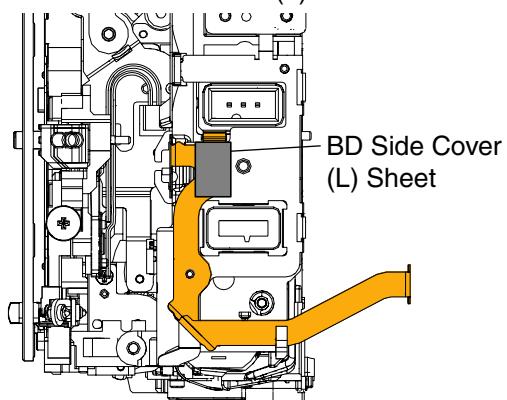
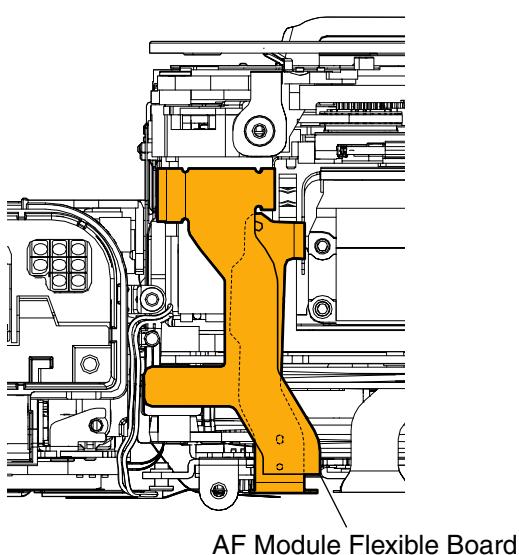
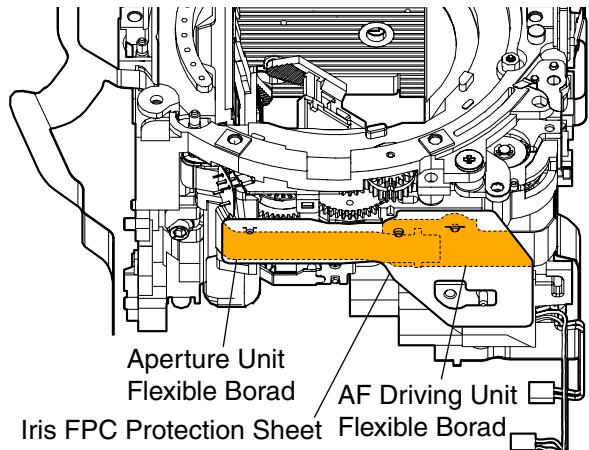
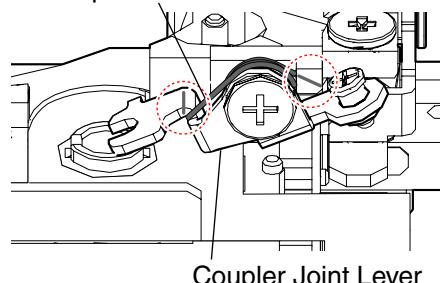
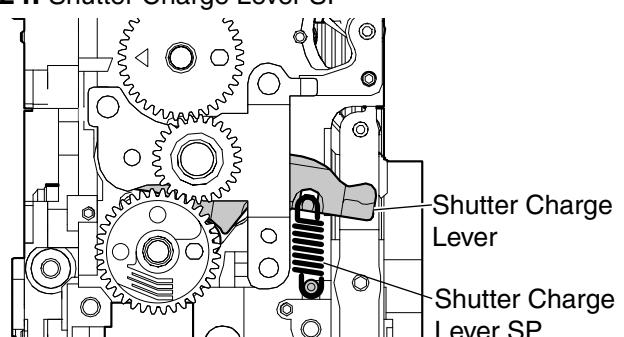
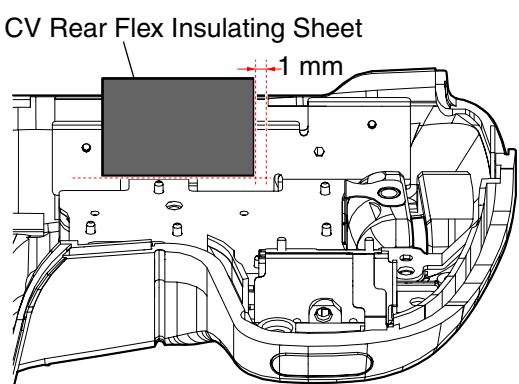


HELP 15: CT Mode Dial Assy



HELP 18: RM-096 Flexible Board



HELP 19: DC Jack Harness**HELP 20: BD Side Cover (L) Sheet****HELP 21: AF Module Flexible Board****HELP 22: Aperture Unit Flexible Board Iris FPC Protection Sheet****HELP 23: Coupler Lever Tension SP
Coupler Lever Tension SP****HELP 24: Shutter Charge Lever SP****HELP 25: CV Rear Flex Insulating Sheet**

3. BLOCK DIAGRAMS

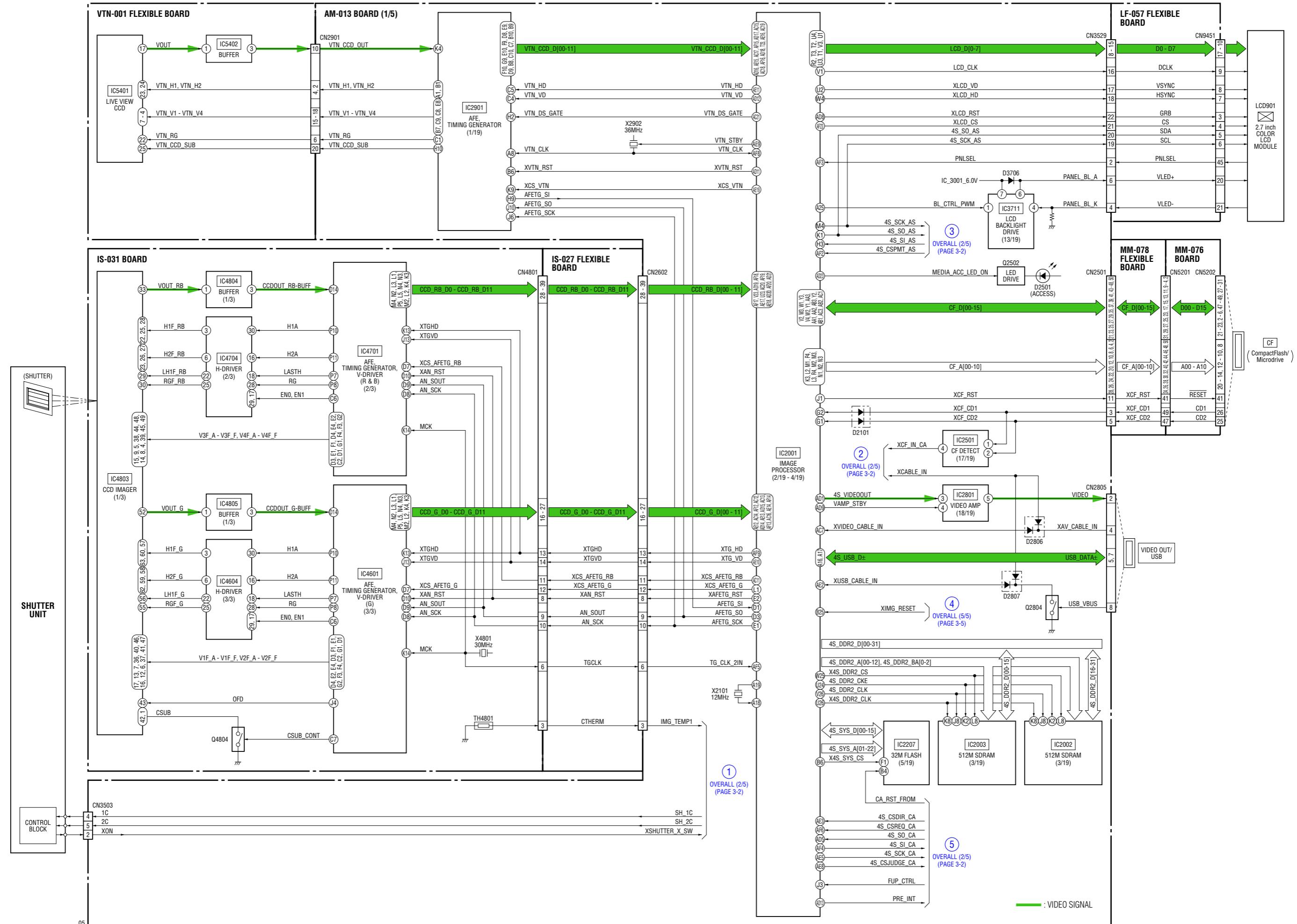
Link

<ul style="list-style-type: none">• OVERALL BLOCK DIAGRAM (1/5)	<ul style="list-style-type: none">• POWER BLOCK DIAGRAM (1/5)
<ul style="list-style-type: none">• OVERALL BLOCK DIAGRAM (2/5)	<ul style="list-style-type: none">• POWER BLOCK DIAGRAM (2/5)
<ul style="list-style-type: none">• OVERALL BLOCK DIAGRAM (3/5)	<ul style="list-style-type: none">• POWER BLOCK DIAGRAM (3/5)
<ul style="list-style-type: none">• OVERALL BLOCK DIAGRAM (4/5)	<ul style="list-style-type: none">• POWER BLOCK DIAGRAM (4/5)
<ul style="list-style-type: none">• OVERALL BLOCK DIAGRAM (5/5)	<ul style="list-style-type: none">• POWER BLOCK DIAGRAM (5/5)

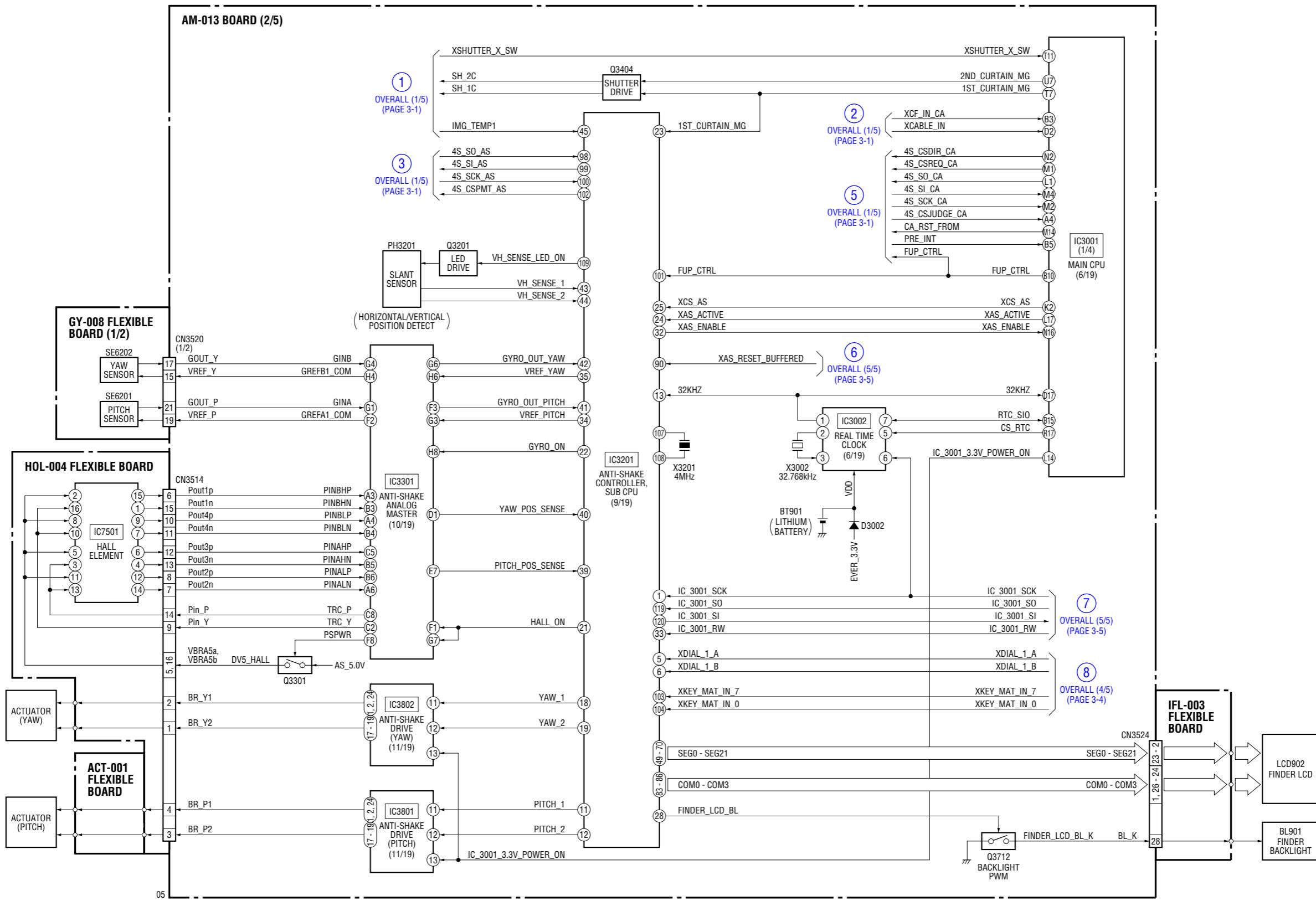
3. BLOCK DIAGRAMS

3-1. OVERALL BLOCK DIAGRAM (1/5)

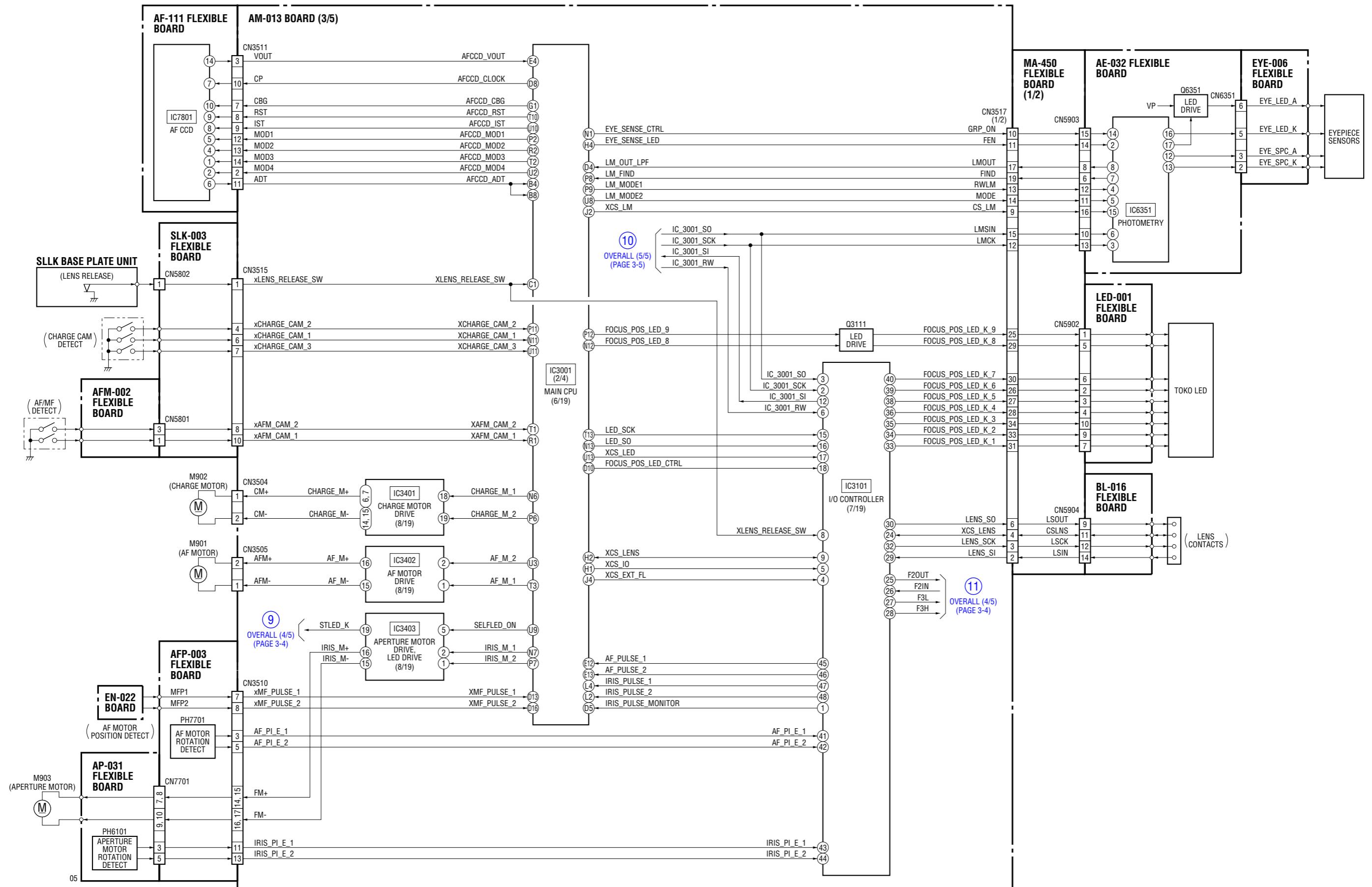
() : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



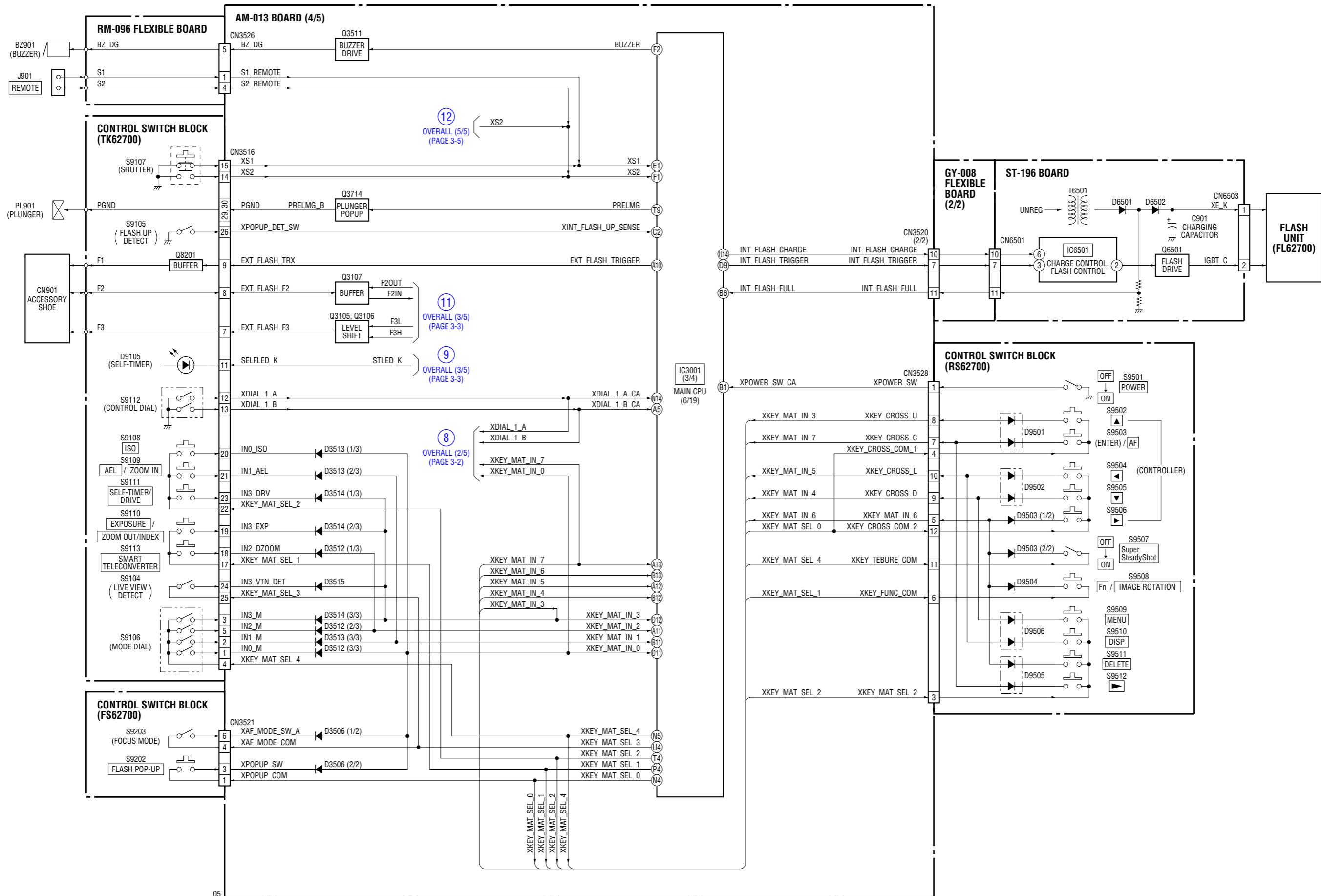
3-2. OVERALL BLOCK DIAGRAM (2/5) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



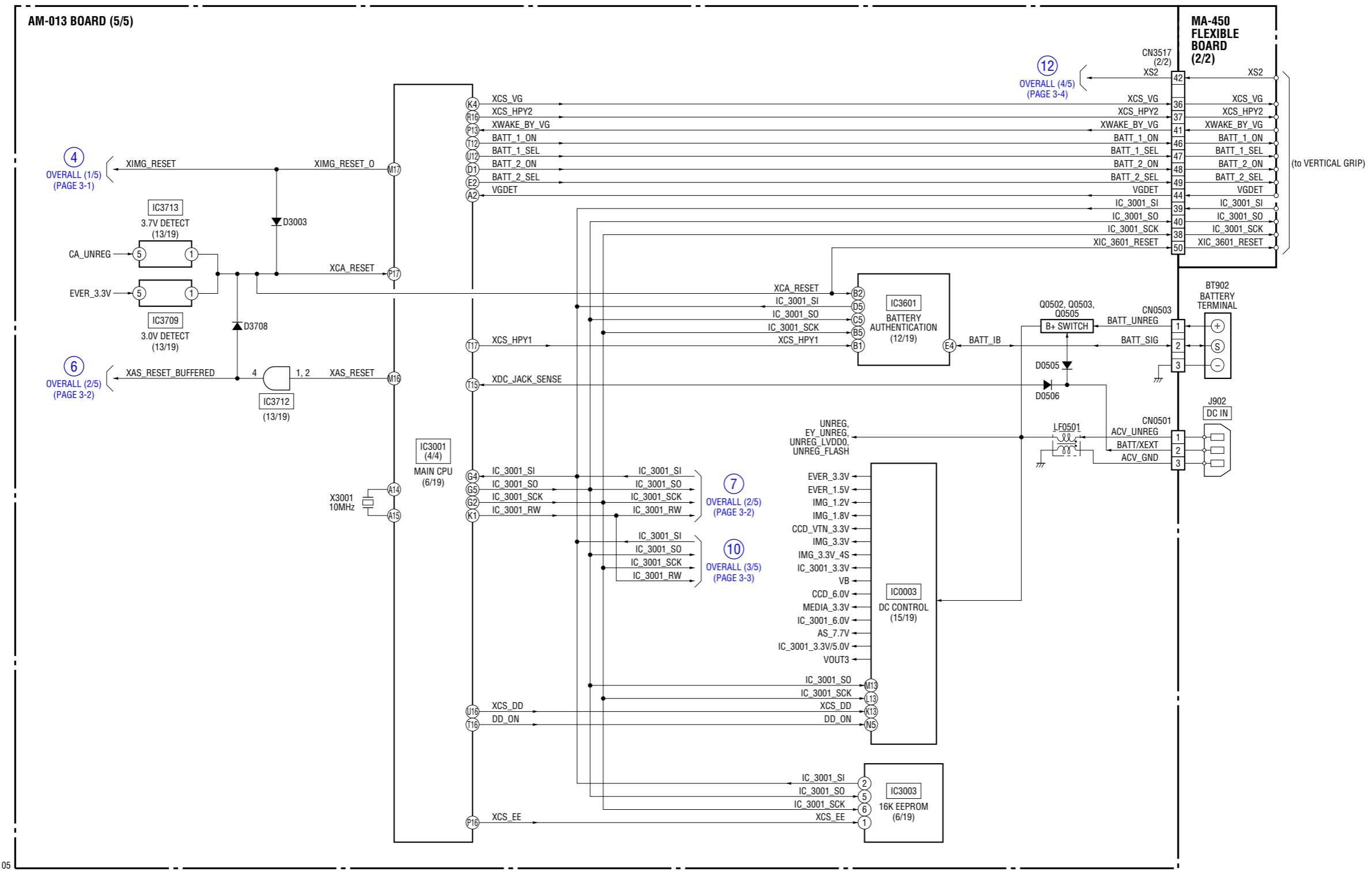
3-3. OVERALL BLOCK DIAGRAM (3/5) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



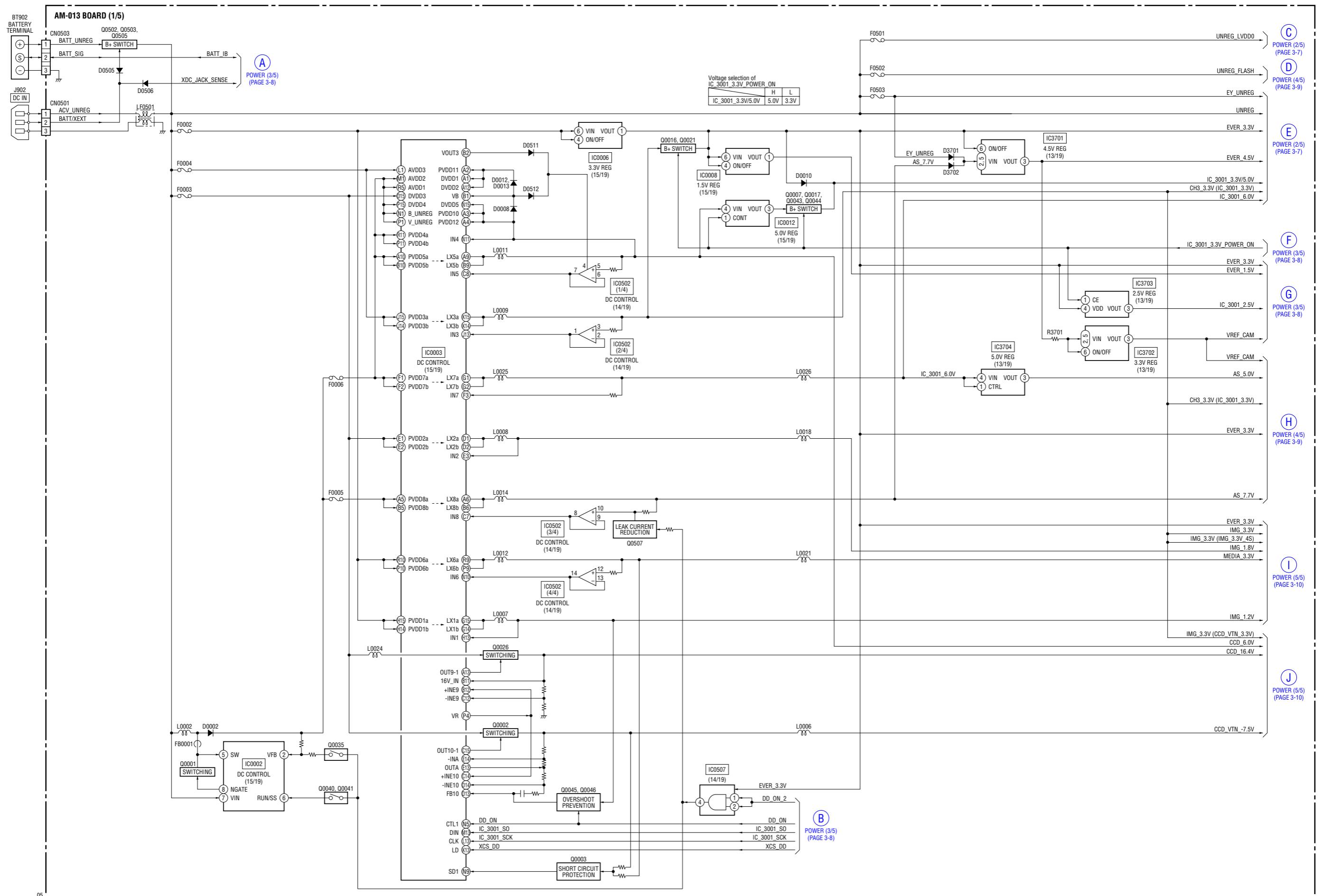
3-4. OVERALL BLOCK DIAGRAM (4/5) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



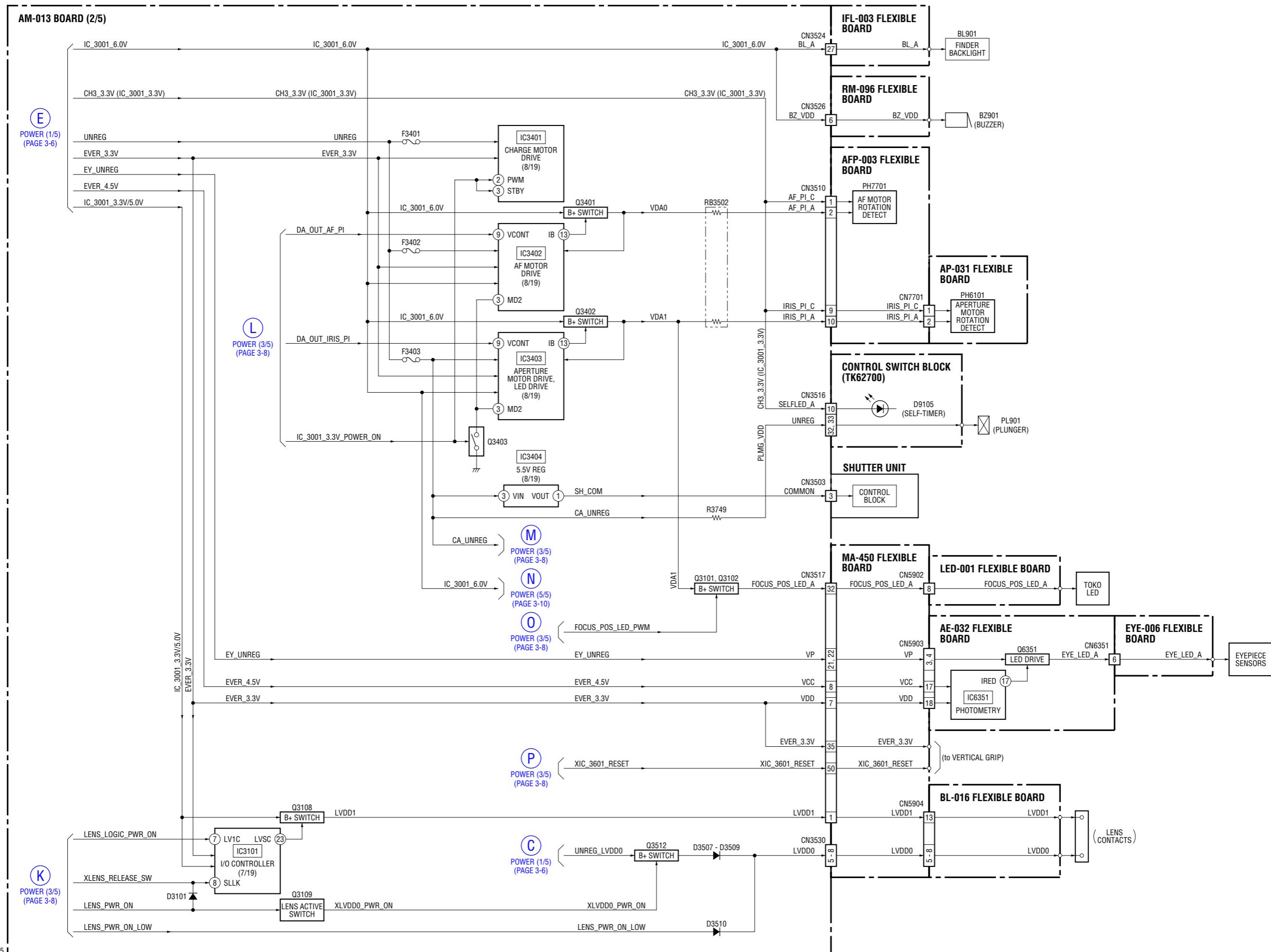
3-5. OVERALL BLOCK DIAGRAM (5/5) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



3-6. POWER BLOCK DIAGRAM (1/5) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.

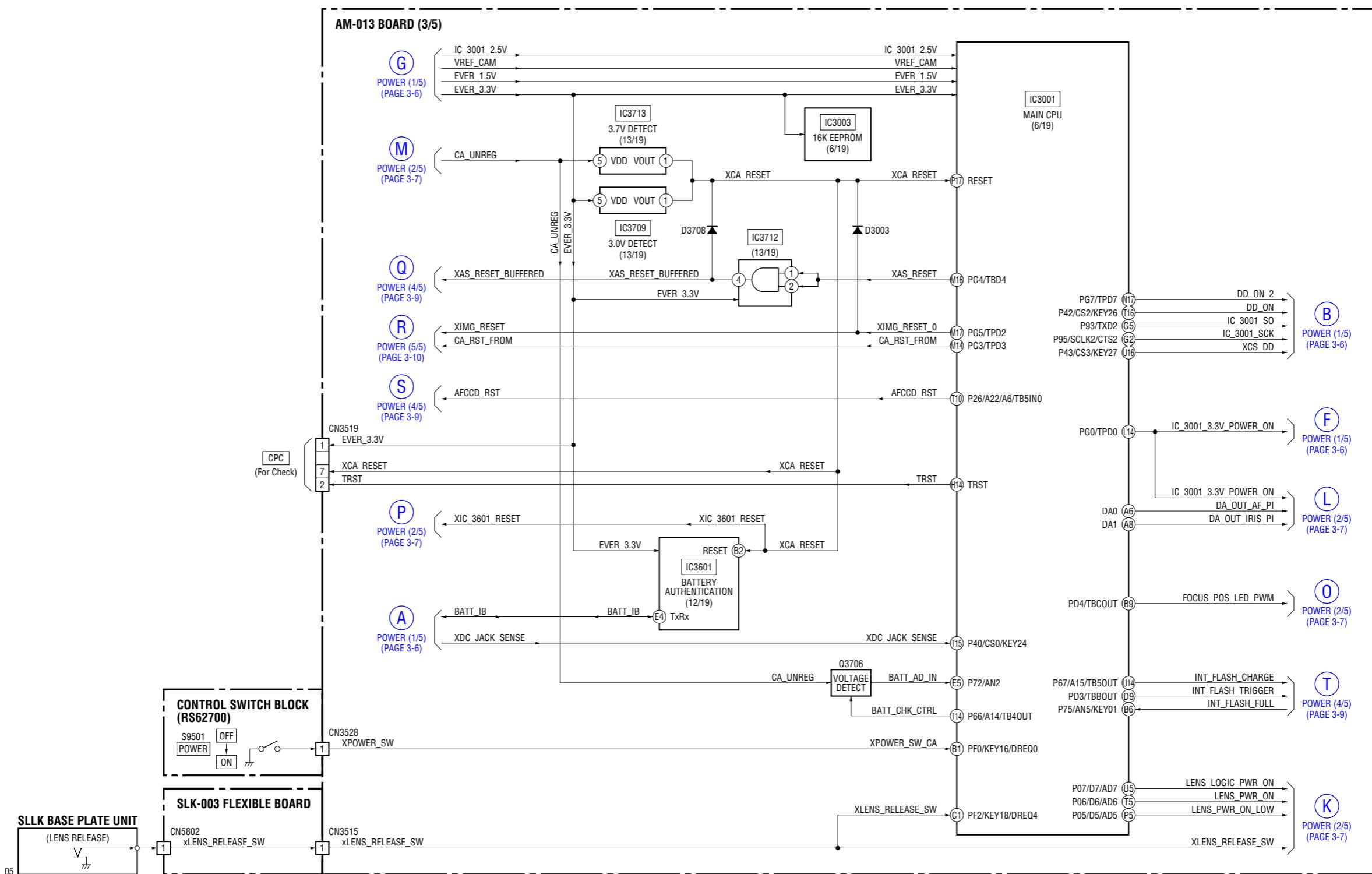


3-7. POWER BLOCK DIAGRAM (2/5) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.

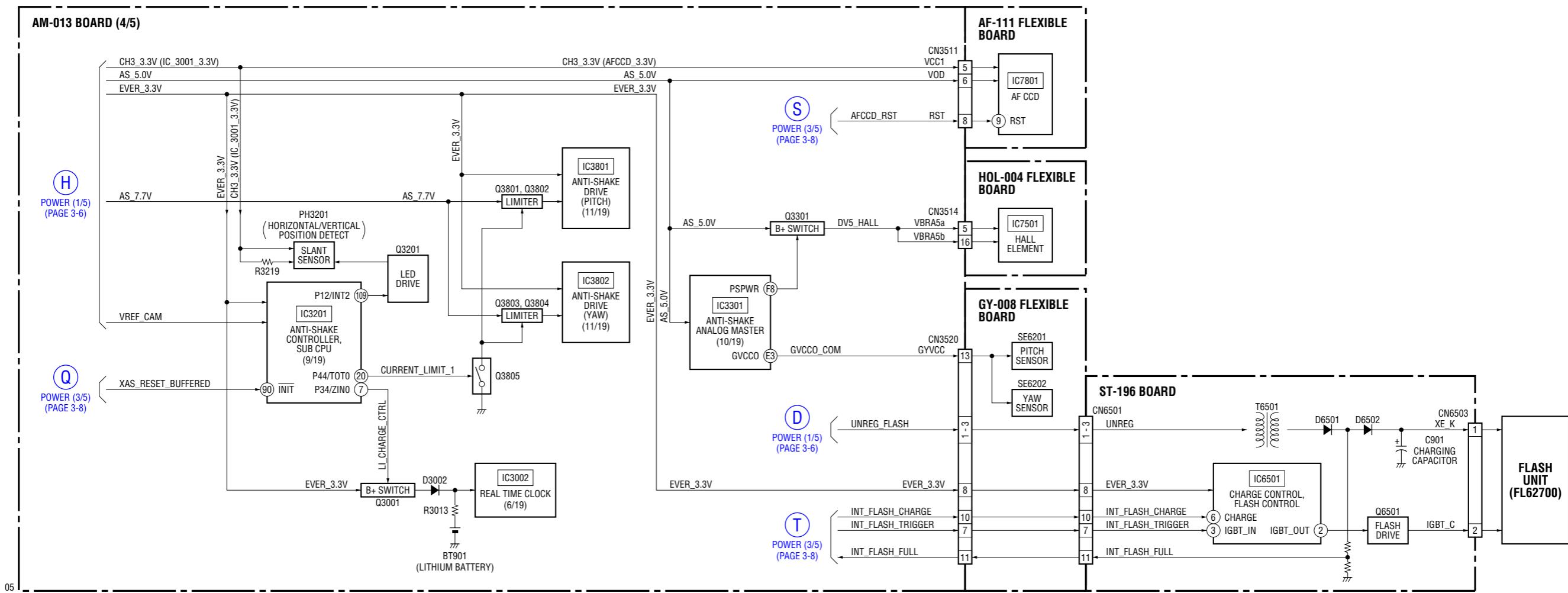


3-8. POWER BLOCK DIAGRAM (3/5)

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

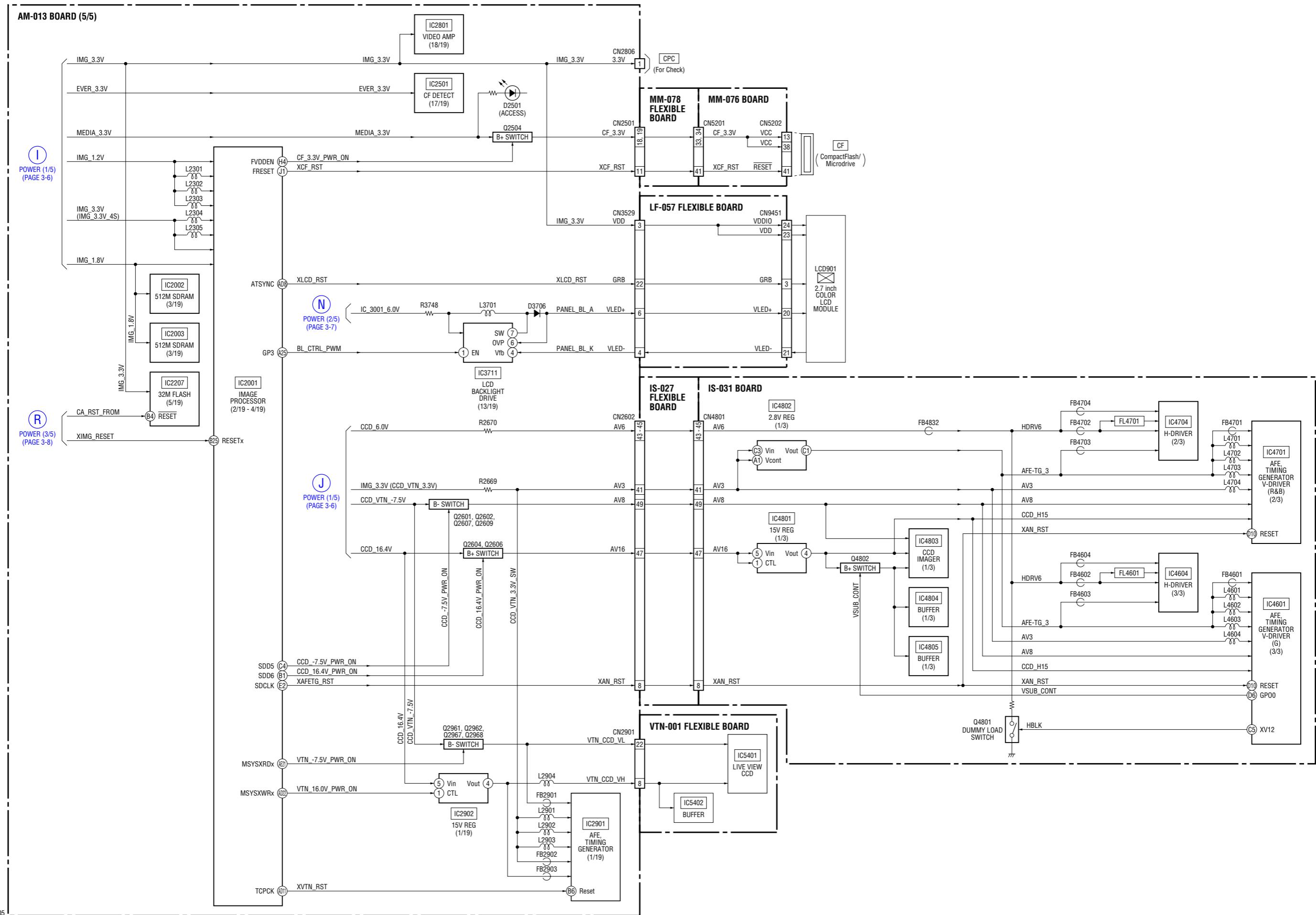


3-9. POWER BLOCK DIAGRAM (4/5) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located.



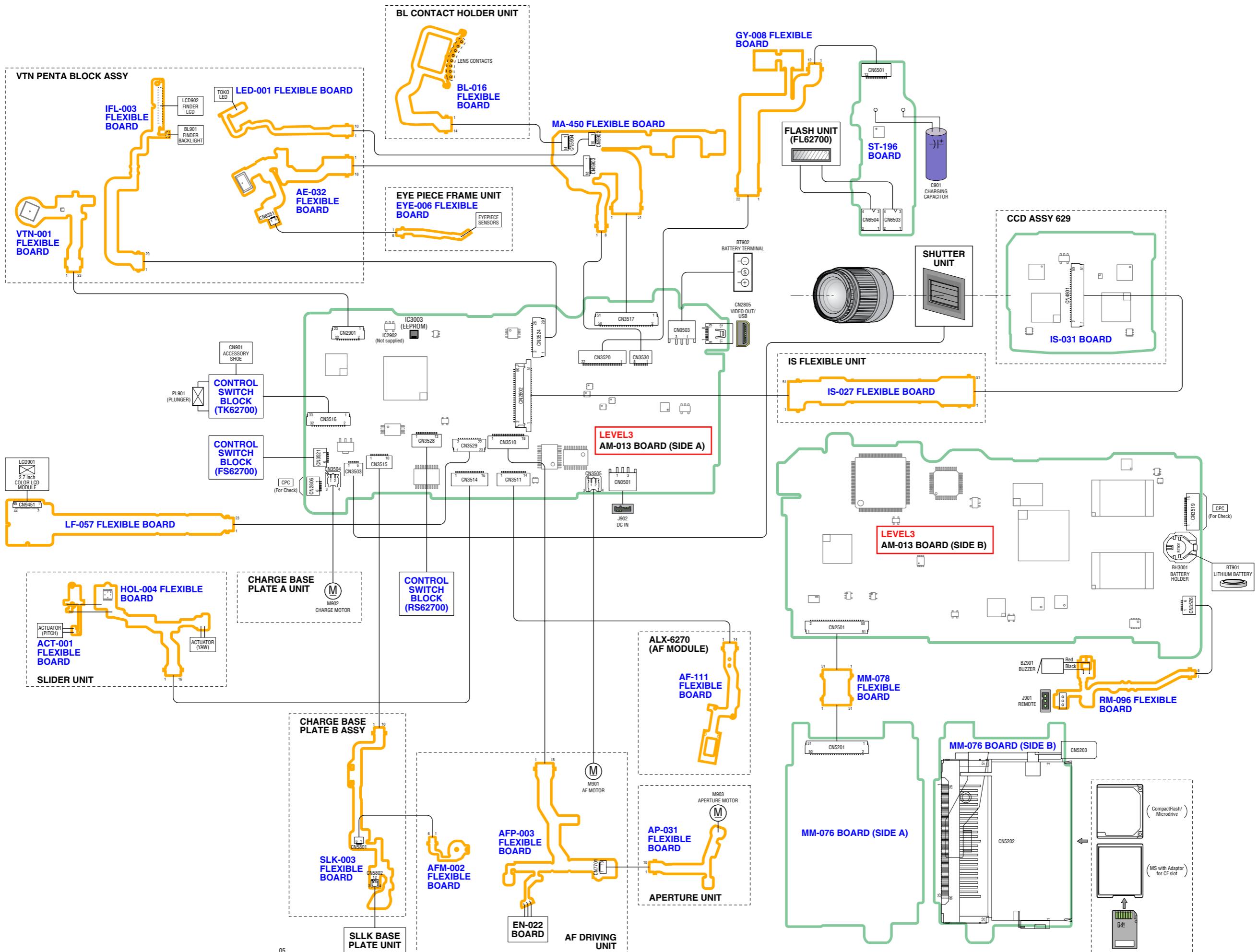
3-10. POWER BLOCK DIAGRAM (5/5) () : Number in parenthesis () indicates the division number of schematic diagram where the component is located

) : 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

• IS-031 BOARD (1/3) (CCD IMAGER)	• RM-096 FLEXIBLE BOARD (REMOTE JACK)
• IS-031 BOARD (2/3) • (AFE, TIMING GENERATOR)	• BL-016 FLEXIBLE BOARD • (LENS CONTACTS)
• IS-031 BOARD (3/3) • (AFE, TIMING GENERATOR)	• MA-450 FLEXIBLE BOARD (CONNECTOR)
• VTN-001 FLEXIBLE BOARD • (LIVE VIEW CCD)	• IFL-003 FLEXIBLE BOARD (FINDER)
• LF-057 FLEXIBLE BOARD (LCD)	• LED-001 FLEXIBLE BOARD • (TOKO LED UNIT)
• MM-076 BOARD (CF SLOT)	• EYE-006 FLEXIBLE BOARD (EYEPiece)
• AF-111 FLEXIBLE BOARD (AF CCD)	• AE-032 FLEXIBLE BOARD (PHOTOMETRY)
• GY-008 FLEXIBLE BOARD (GYRO SENSOR)	• ST-196 BOARD (FLASH DRIVE)
• HOL-004 FLEXIBLE BOARD • (HALL ELEMENT, ACTUATOR)	• IS-027 FLEXIBLE BOARD • (AM-IS CONNECTION)
• ACT-001 FLEXIBLE BOARD (ACTUATOR)	• MM-078 FLEXIBLE BOARD • (AM-MM CONNECTION)
• AFP-003 FLEXIBLE BOARD (AF SENSOR)	• CONTROL SWITCH BLOCK (TK62700)
• AP-031 FLEXIBLE BOARD • (APERTURE SENSOR)	• CONTROL SWITCH BLOCK (FS62700)
• AFM-002 FLEXIBLE BOARD • (AF/MF SWITCH)	• CONTROL SWITCH BLOCK (RS62700)
• SLK-003 FLEXIBLE BOARD • (CHARGE CAM, LENS RELEASE)	

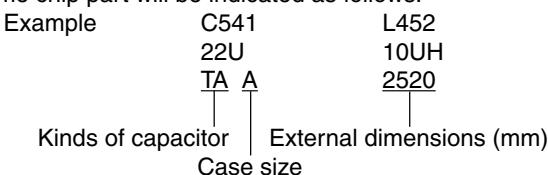
- COMMON NOTE FOR SCHEMATIC DIAGRAMS

4-2. SCHEMATIC DIAGRAMS (ENGLISH)

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 V or less are not indicated except for electrolytics and tantalums.
- Chip resistors are 1/10 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.



- 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
 $\overline{\text{XEDIT}} \rightarrow \overline{\text{EDIT}}$ $\text{PB/XREC} \rightarrow \text{PB/REC}$
 -  : non flammable resistor
 -  : fusible resistor
 -  : panel designation
 -  : B+ Line
 -  : B- Line
 -  : IN/OUT direction of (+,-) B LINE.
 -  : adjustment for repair.

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.

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

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

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

(JAPANESE)

回路図共通ノート

(他に必要なノートは各ブロックに記載してあります)

【回路図ノート】

- ・ケミコン、タンタルを除くコンデンサで、耐圧50V以下のものはその耐圧を省略。単位はすべて μF (pはpF)。

- ・チップ抵抗で指示のないものは、1/10W以下。

 $\text{k}\Omega=1000\Omega$, $\text{M}\Omega=1000\text{k}\Omega$

- ・チップ部品交換時の注意

取り外した部品は再使用せず、未使用的部品をご使用ください。

タンタルコンデンサのマイナス側は熱に弱いため注意してください。

- ・チップ部品には下記のように表示したものがあります。

例 C 541 L 452

22U 10UH

TA	A	2520
↑	↑	↑

種類 ケースサイズ 外形寸法 (mm)

- ・抵抗、コンデンサ、ICなど定数にXXがあるものは、使用していない事を示しています。このため、使用していない回路が記載されていることがあります。

- ・★印のある部品は、機種などにより異なりますので機能別マウント一覧表を参照してください。

- ・可変抵抗と半固定抵抗で、B特性の表示を省略。

- ・信号名表記について、下記のような場合があります。

XEDIT → EDIT PB/XREC → PB/REC

- ・は不燃性抵抗。

- ・はヒューズ抵抗。

- ・はパネル表示名称。

- ・はB+ライン。

- ・はB-ライン。

- ・はBライン(+, -)の入出力方向を示す。

- ・は調整名称。

イメージヤ交換時の注意

・イメージヤを交換した場合は、カメラ部の全調整を行ってください。

・イメージヤは構造上、静電気により破壊される恐れがあるため、MOS ICと同様に注意して取り扱ってください。

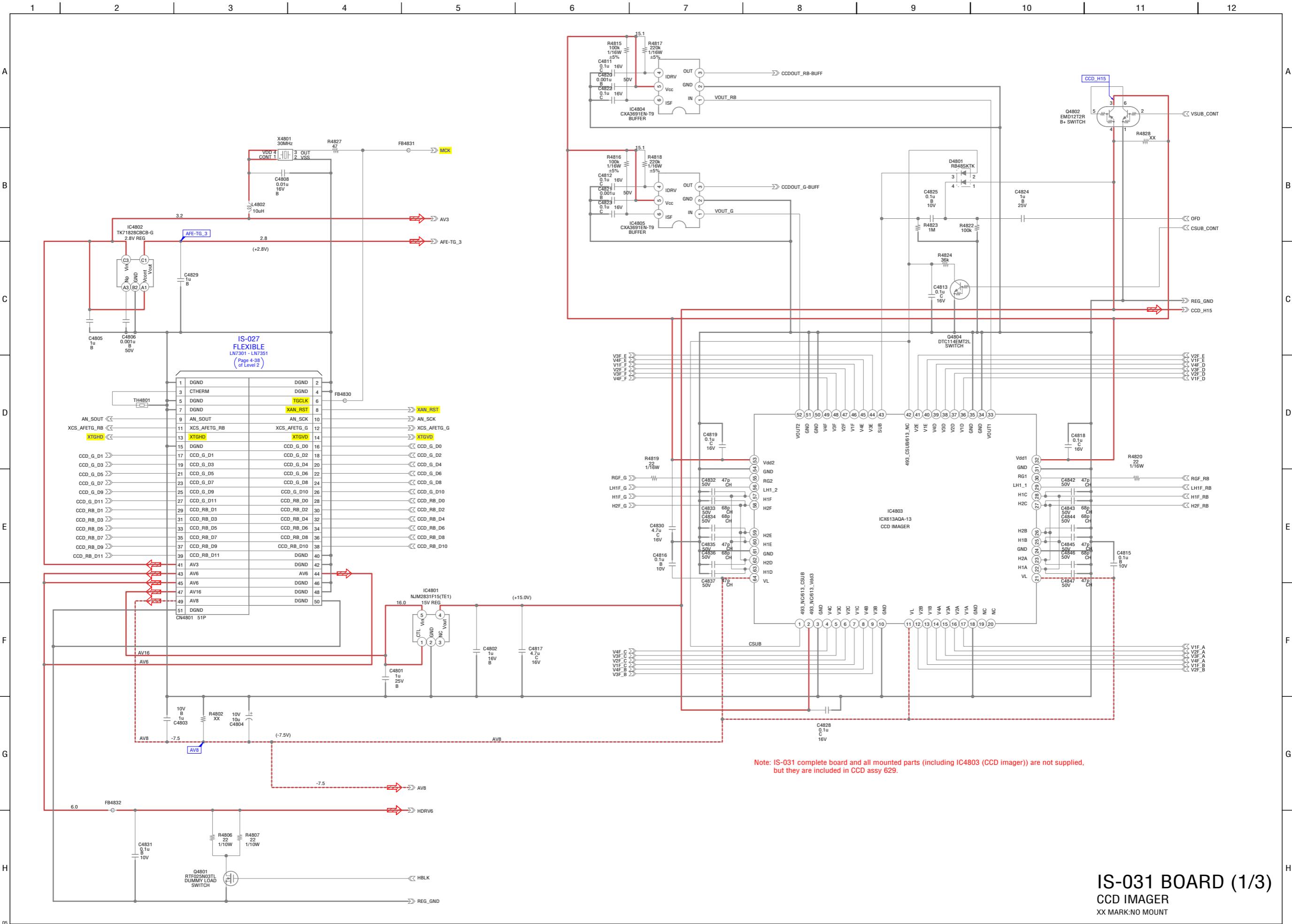
また、受光部にはゴミの付着、および強い光がはいることのないように注意してください。

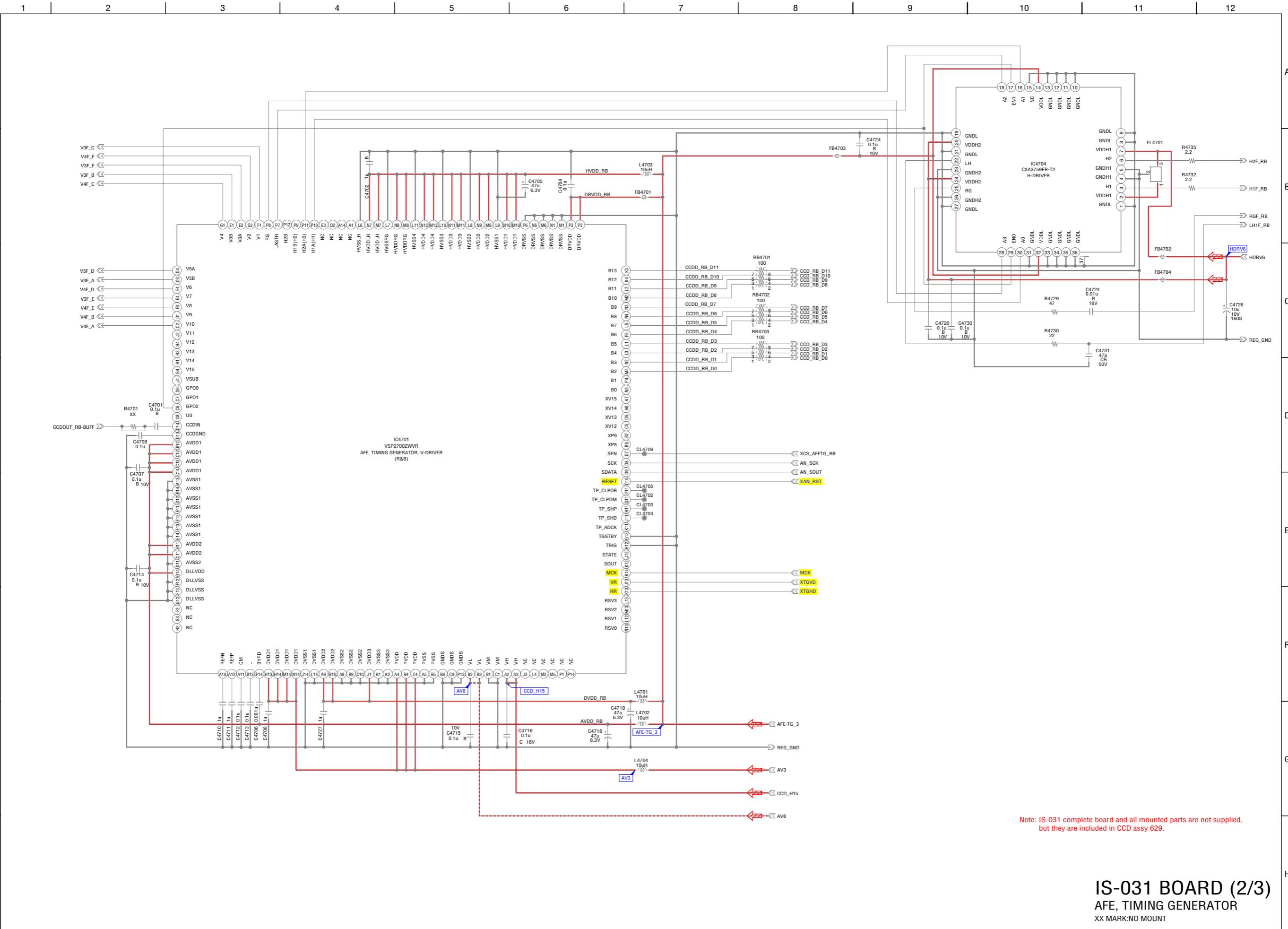
△印の部品、または▲印付きの点線で囲まれた部品は、安全性を維持するため重要な部品です。

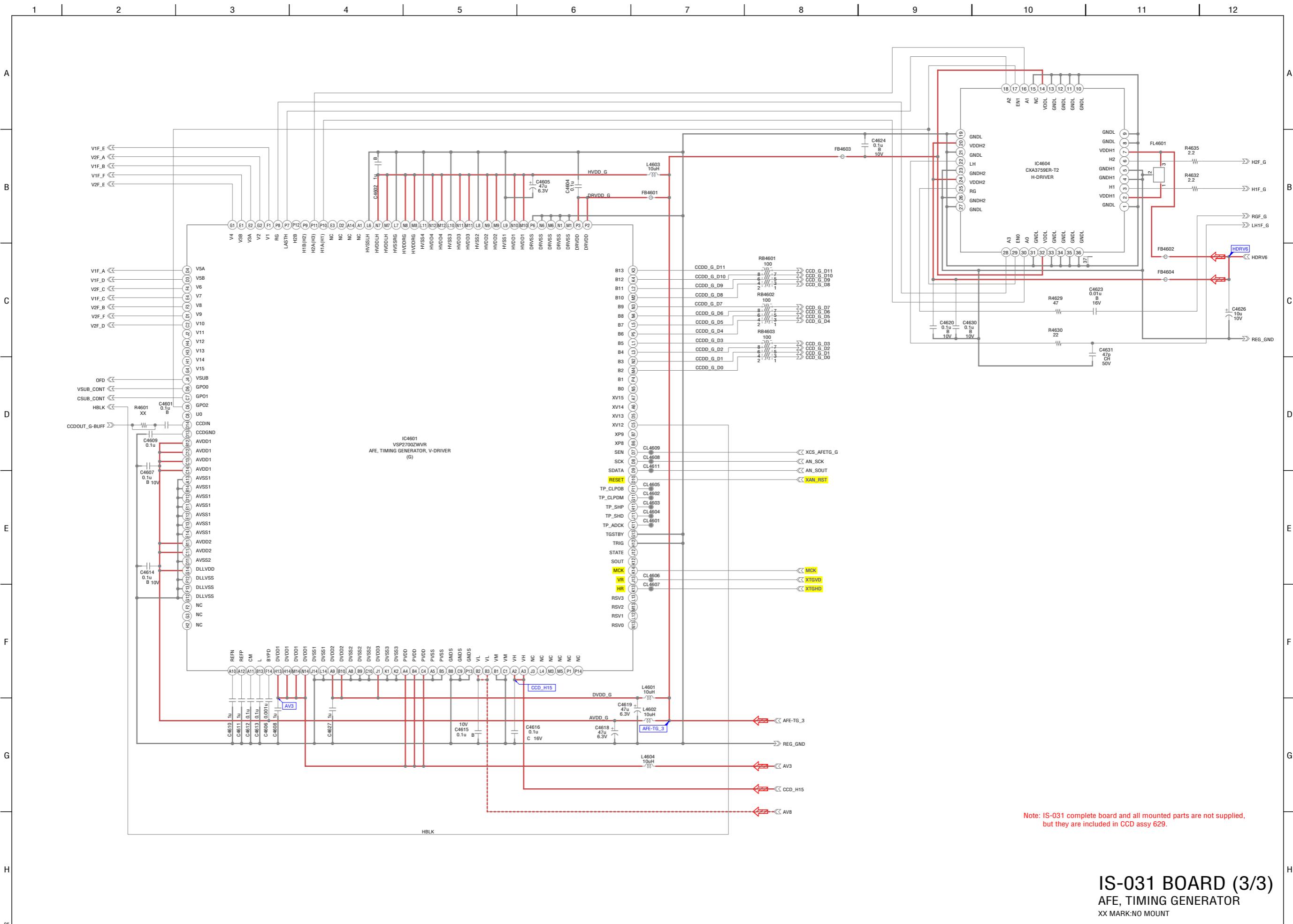
従って交換時は、必ず指定の部品を使用して下さい。

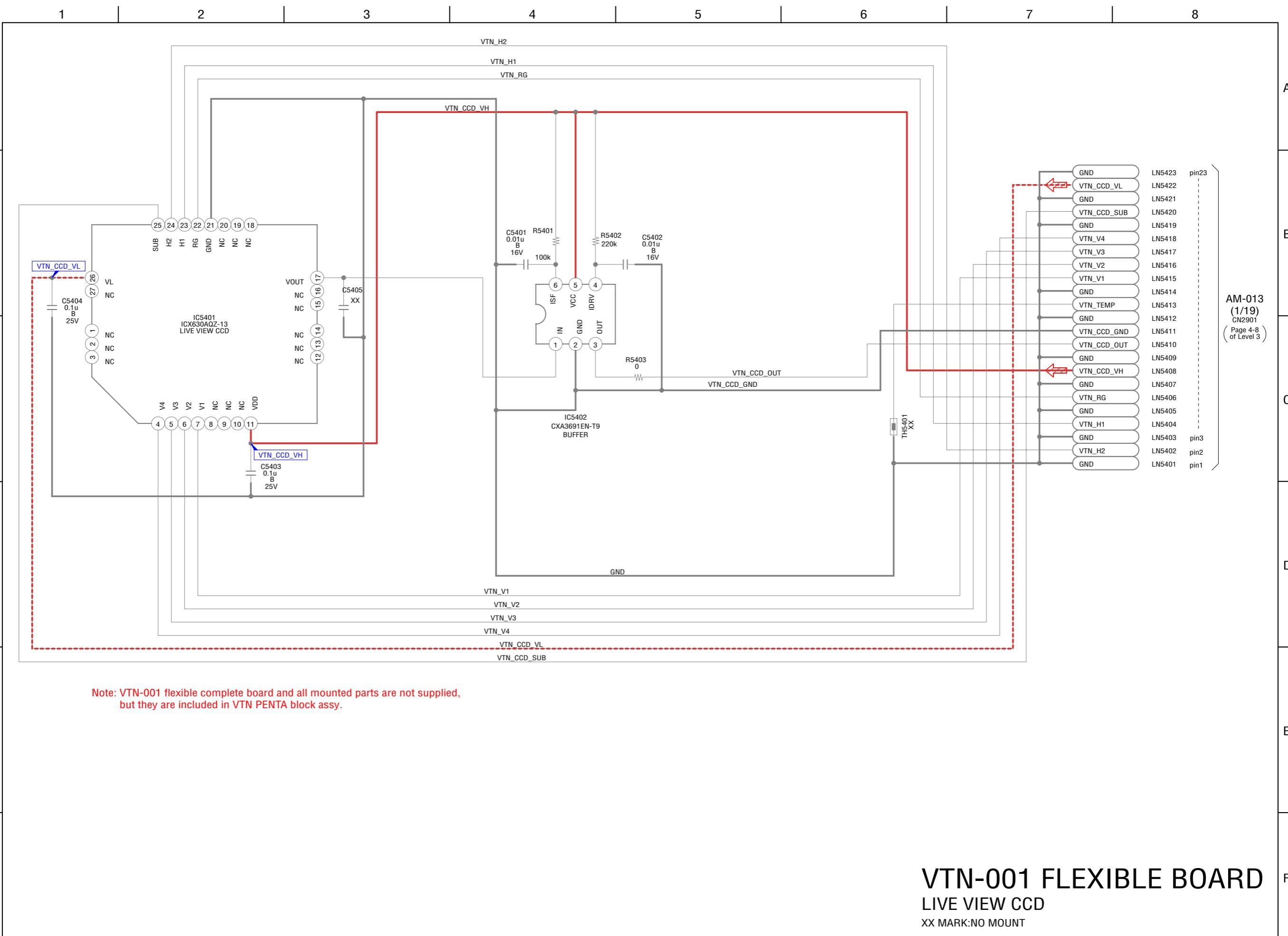
お願い

図面番号で部品を指定するときは基板名又はブロックを併せて指定して下さい。









Schematic diagrams of the AM-013 board is not shown.
Pages from 4-8 to 4-26 are not shown.

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12

A

A

B

B

C

C

D

D

E

E

F

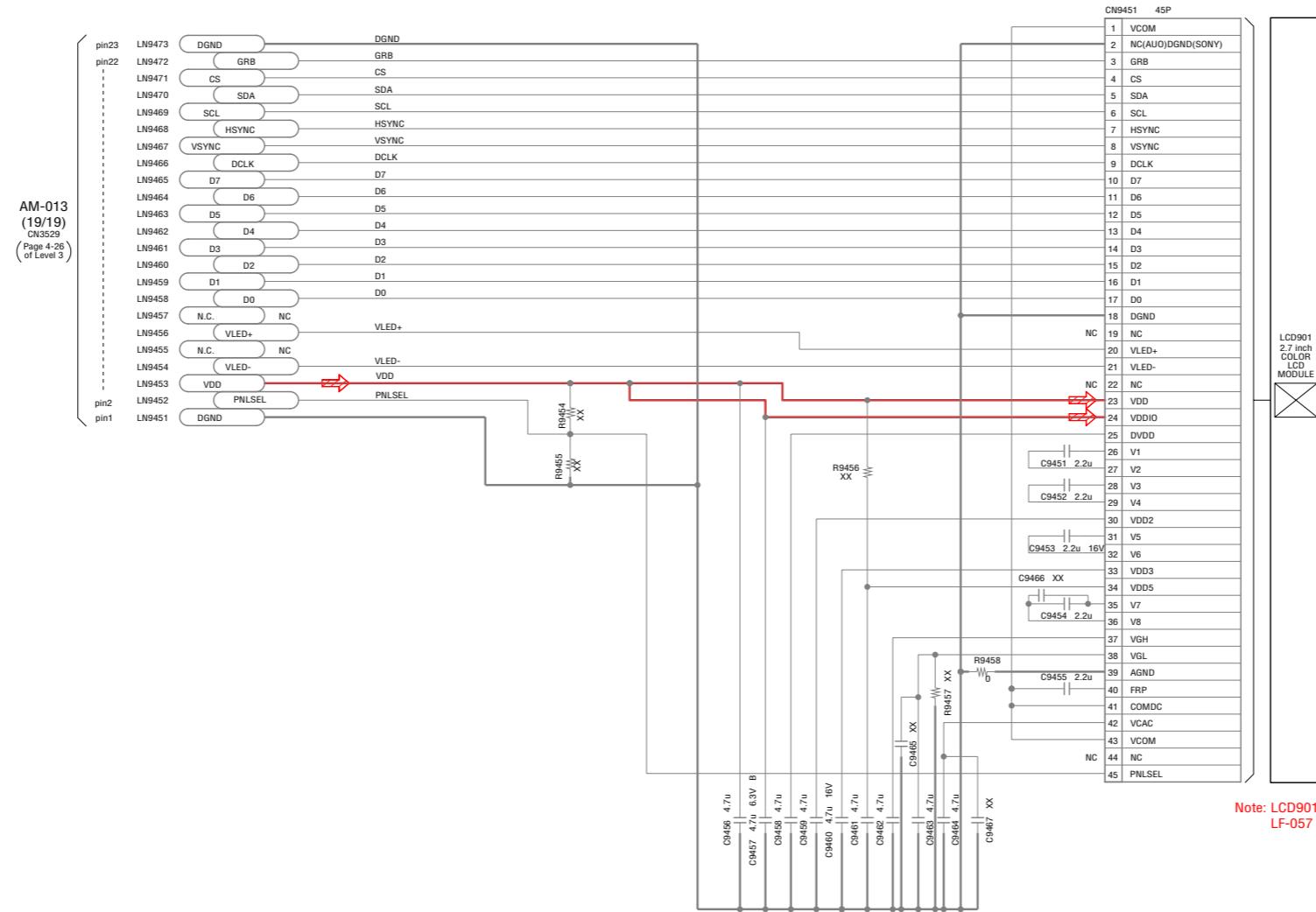
F

G

G

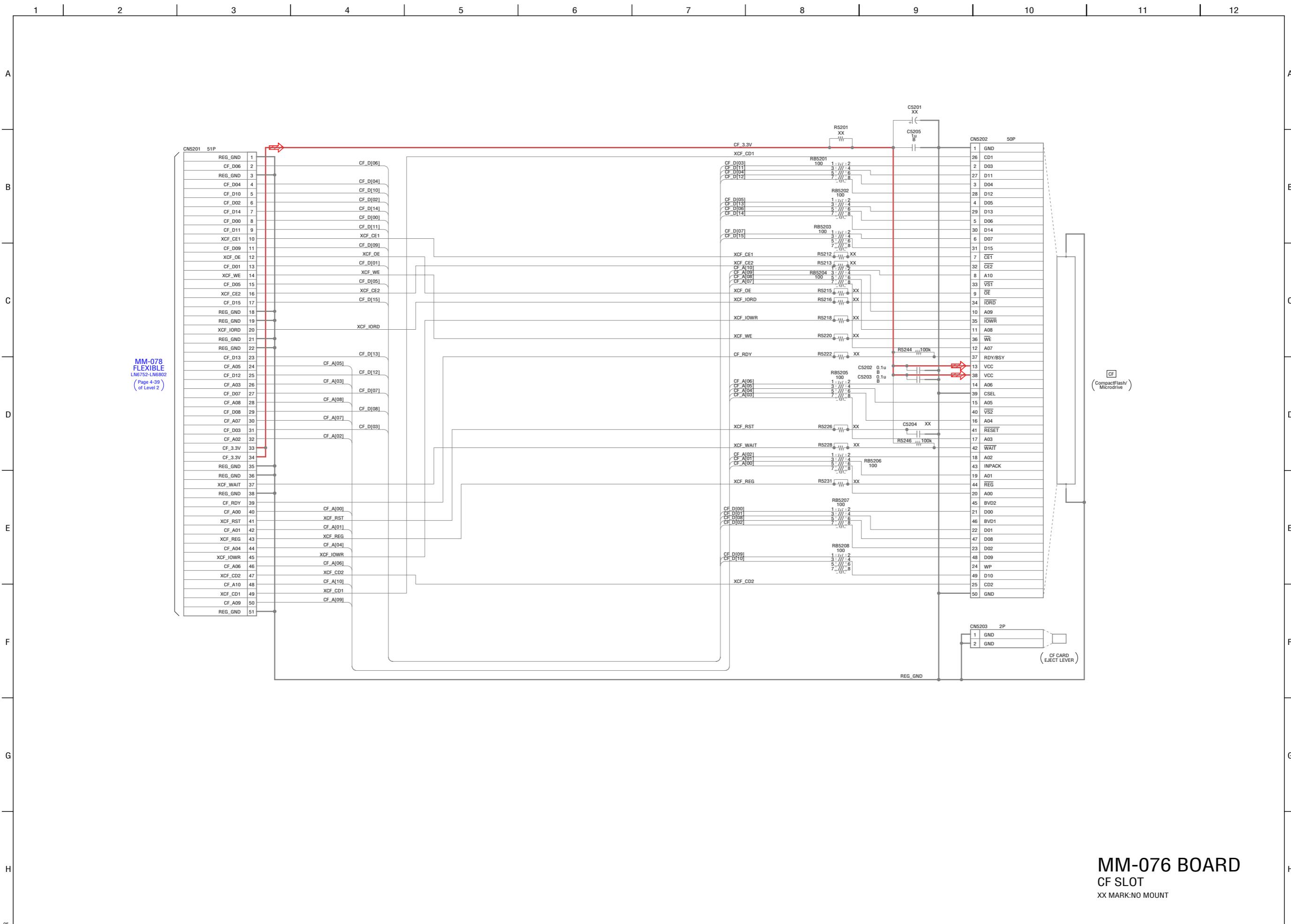
H

H



Note: LCD901 is not included in LF-057 flexible complete board.
XX MARK: NO MOUNT

LF-057 FLEXIBLE BOARD
LCD
XX MARK: NO MOUNT



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8

A

A

B

B

C

C

D

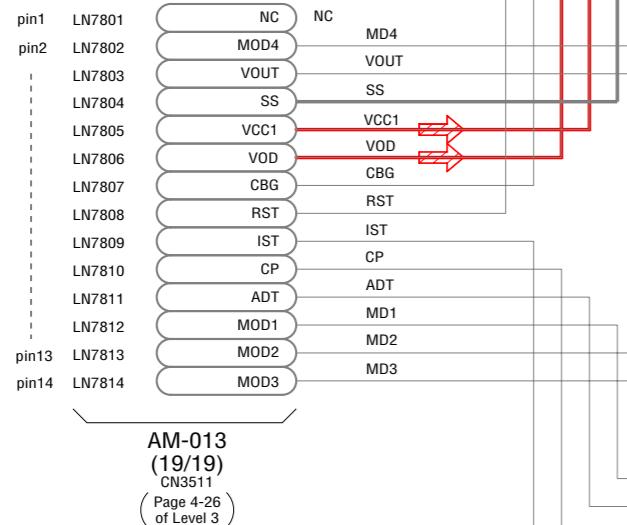
D

E

E

F

F



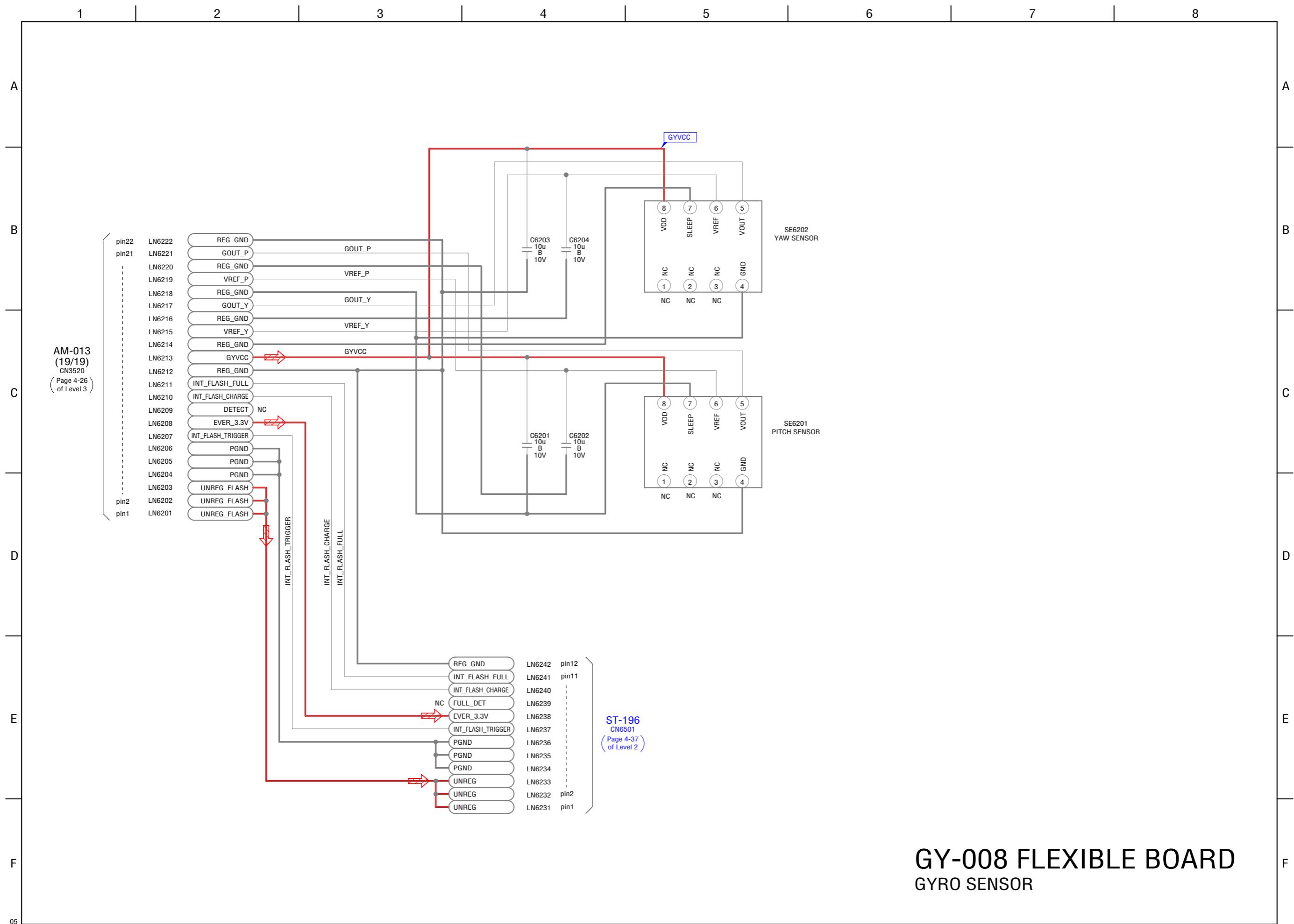
IC7801
T8D87Q(Z)
AF CCD

MD4
MD3

Note: IC7801 and AF-111 flexible complete board are not supplied,
but they are included in ALX-6270 (AF module).

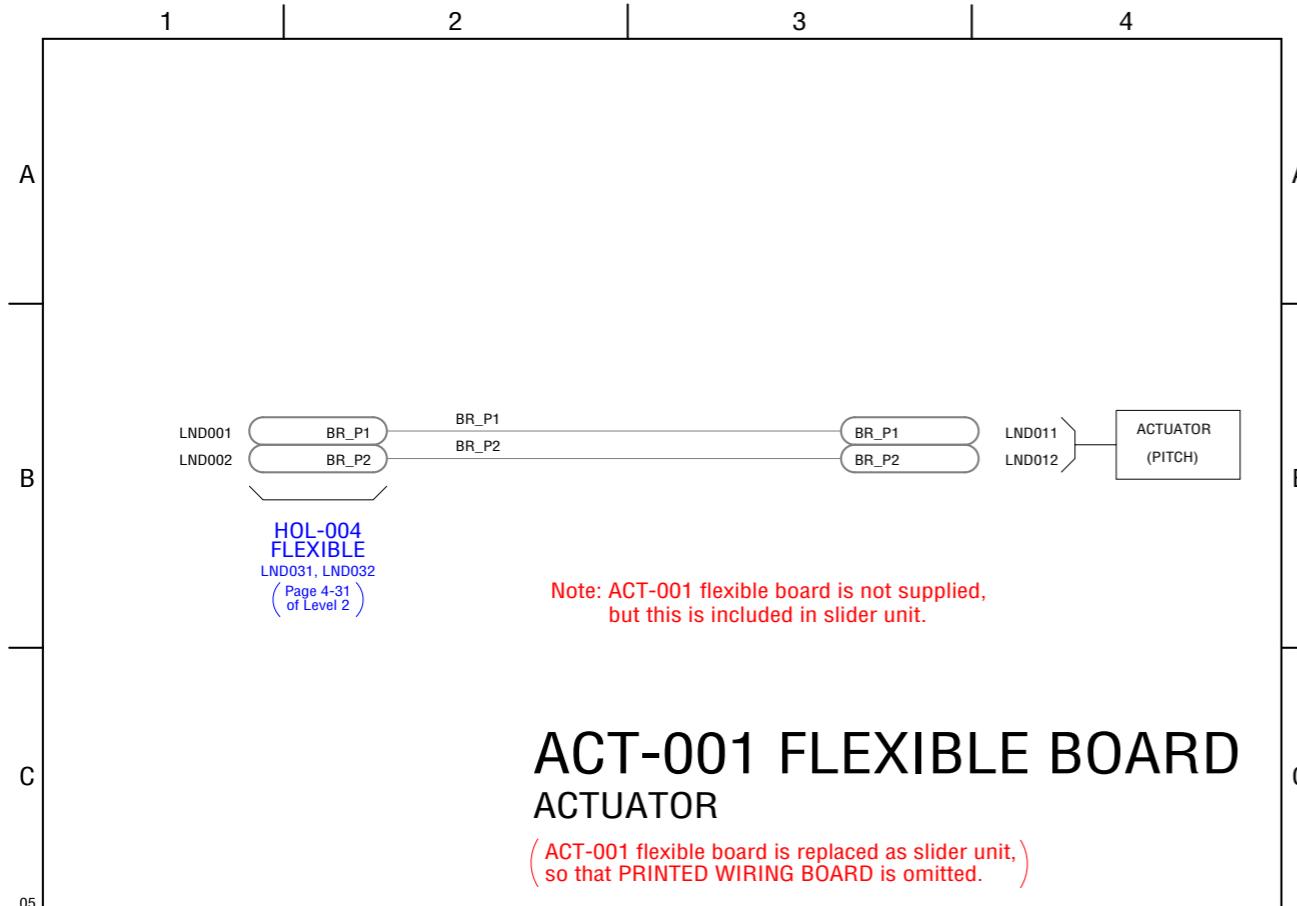
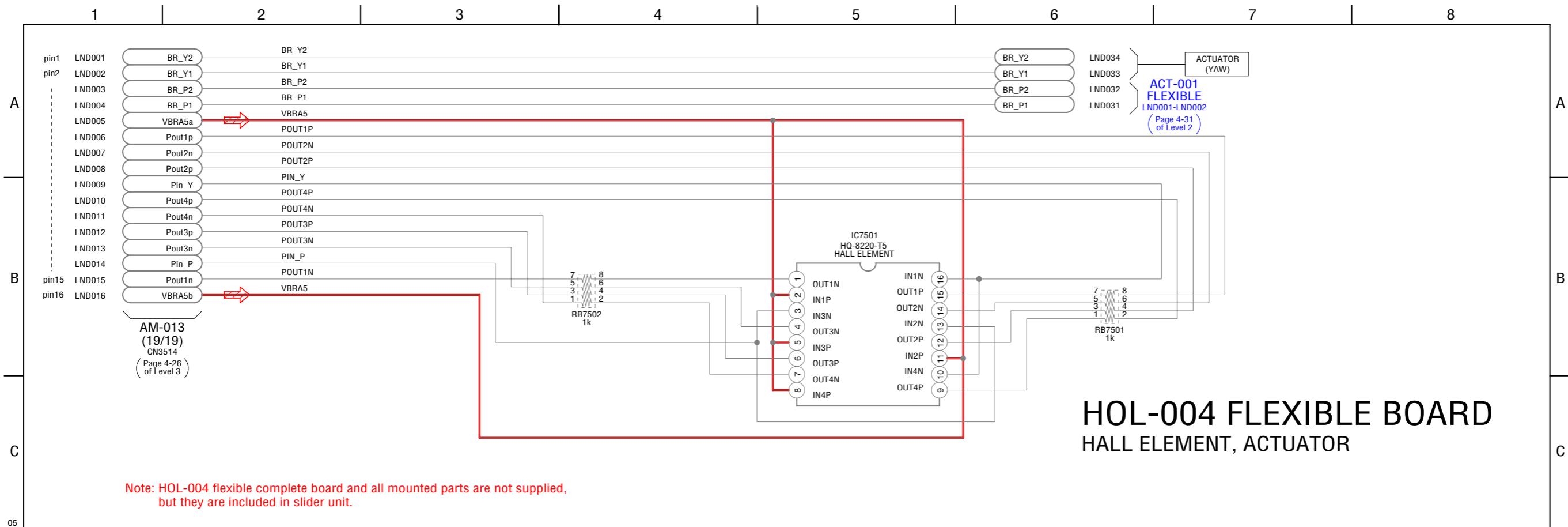
AF-111 FLEXIBLE BOARD AF CCD

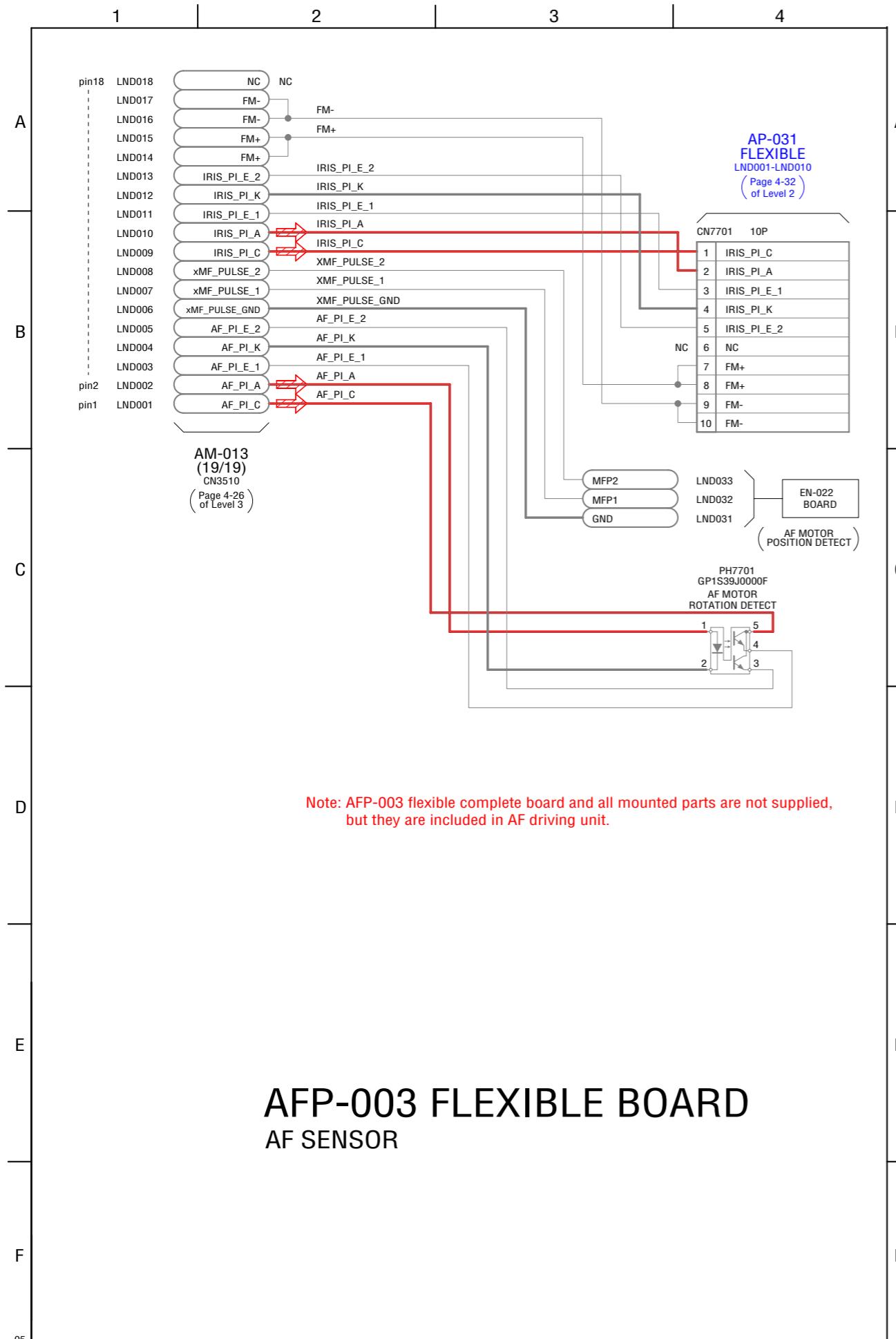
(AE-111 flexible board is replaced as ALX-6270 (AF module),
so that PRINTED WIRING BOARD is omitted.



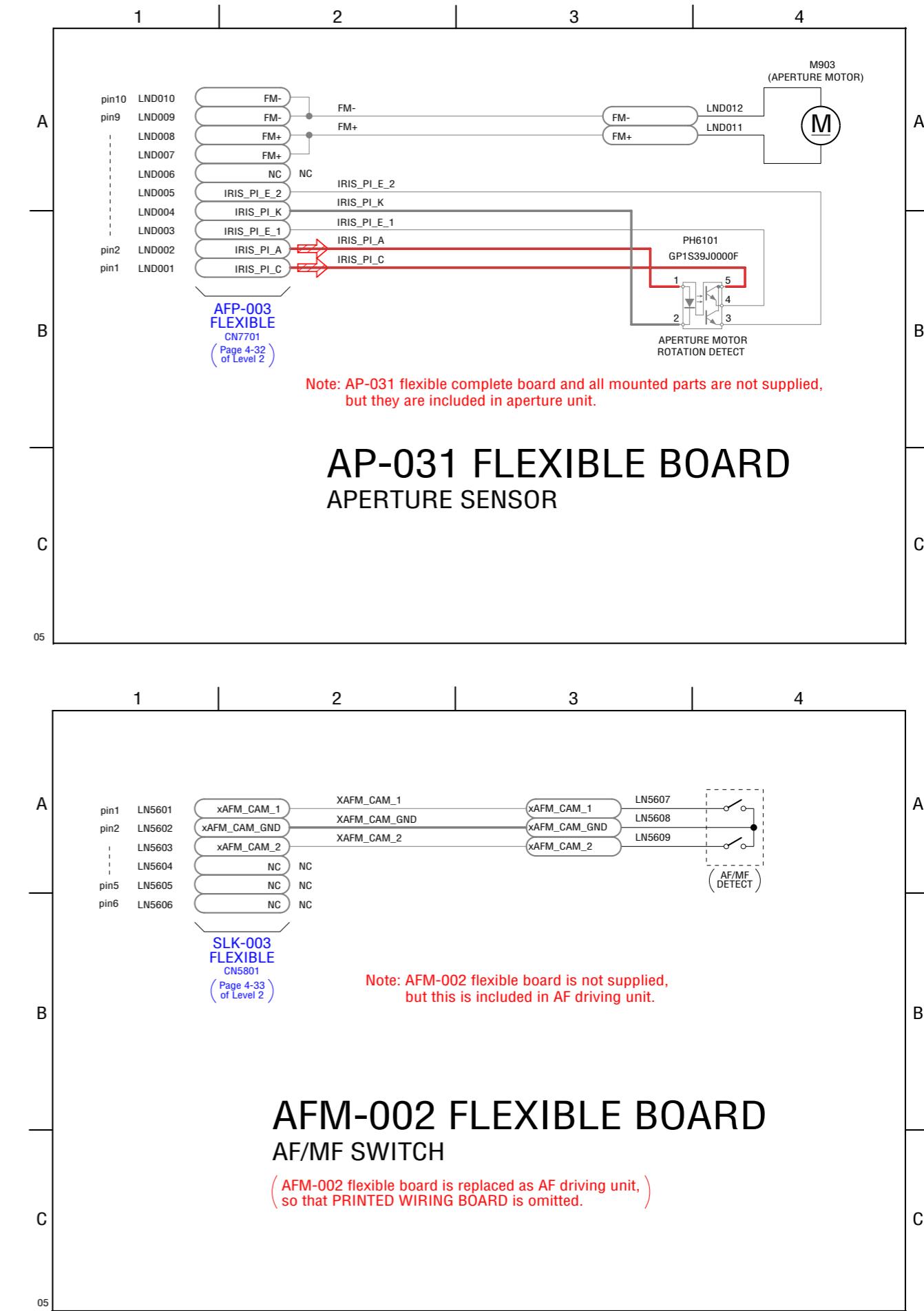
GY-008 FLEXIBLE BOARD

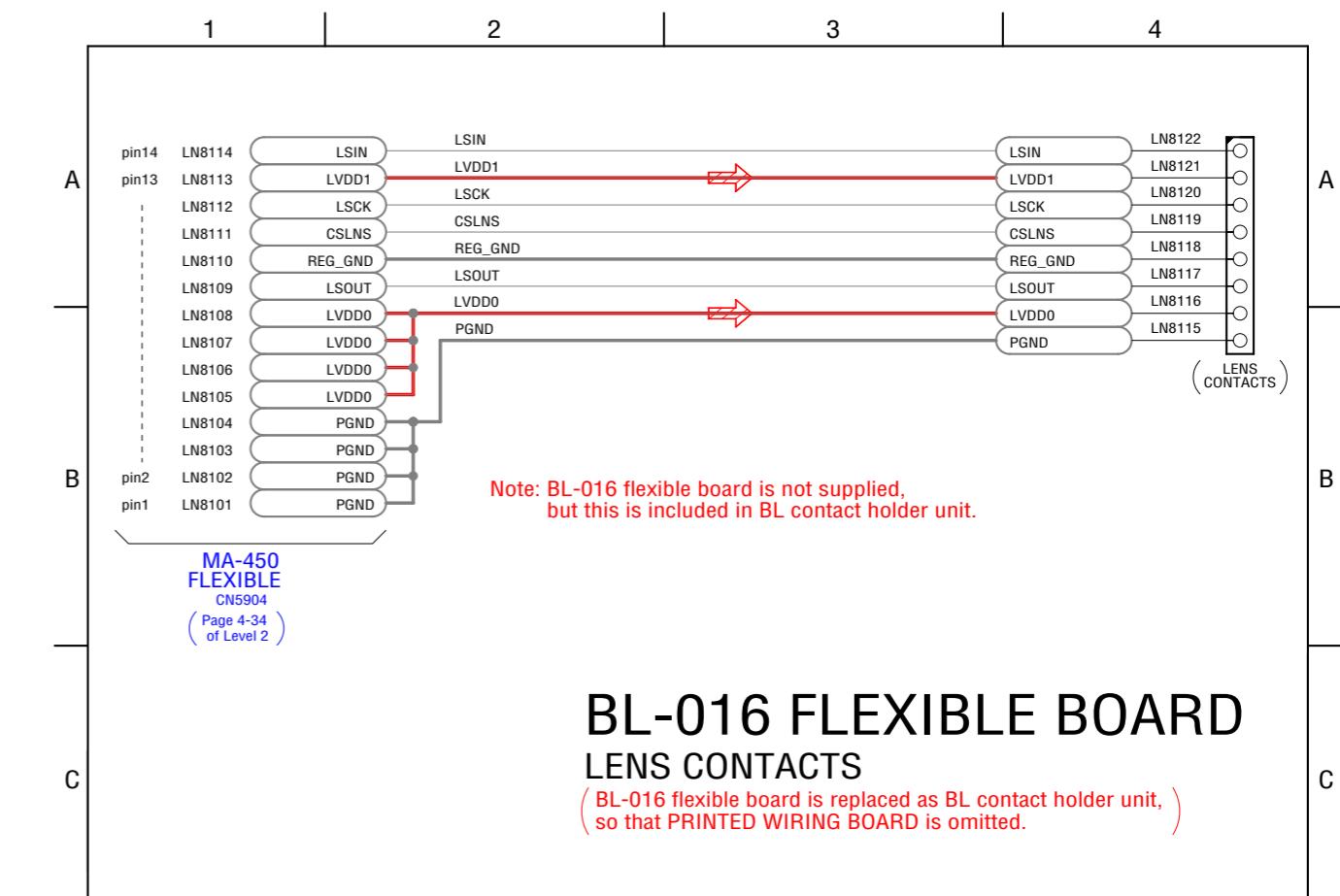
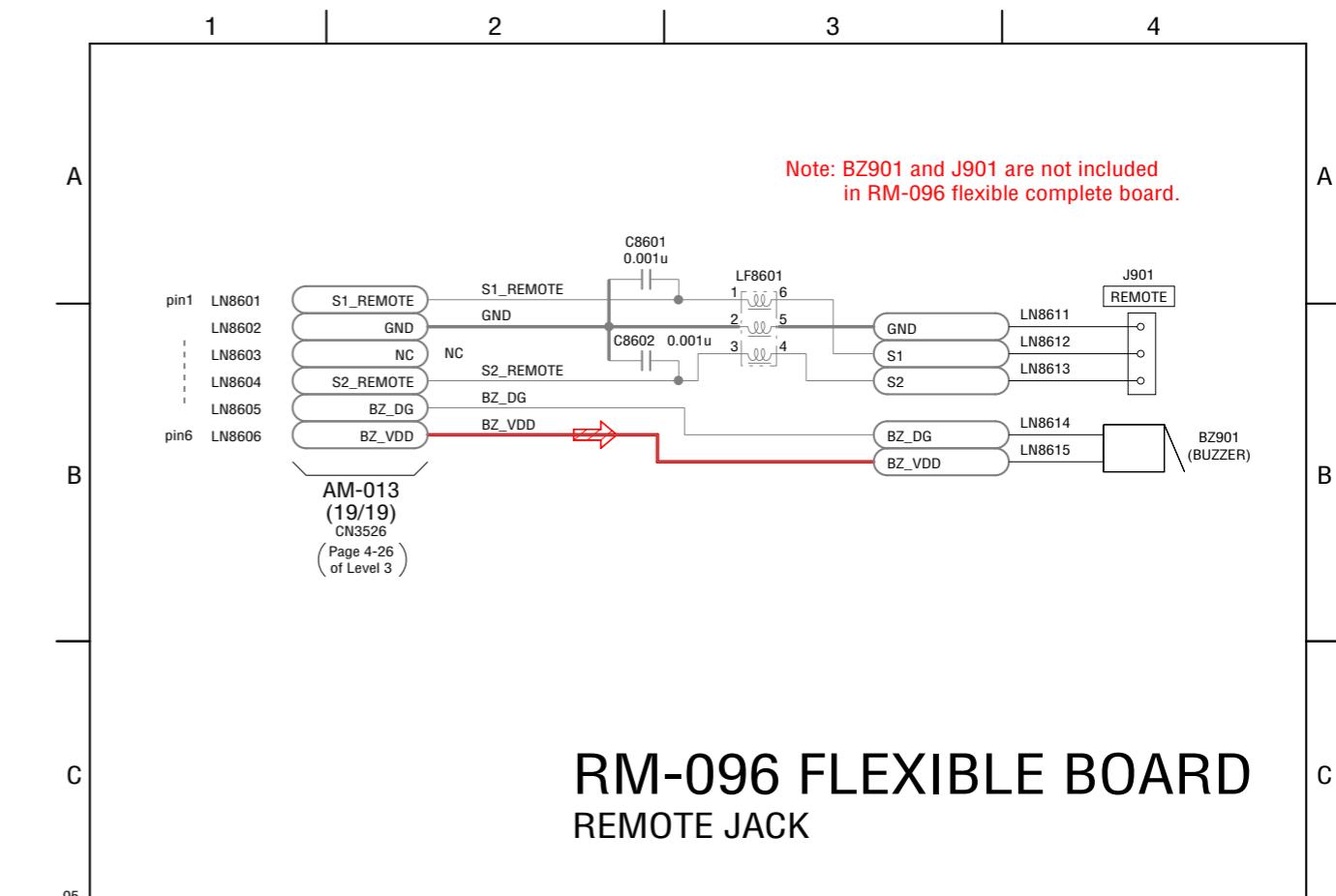
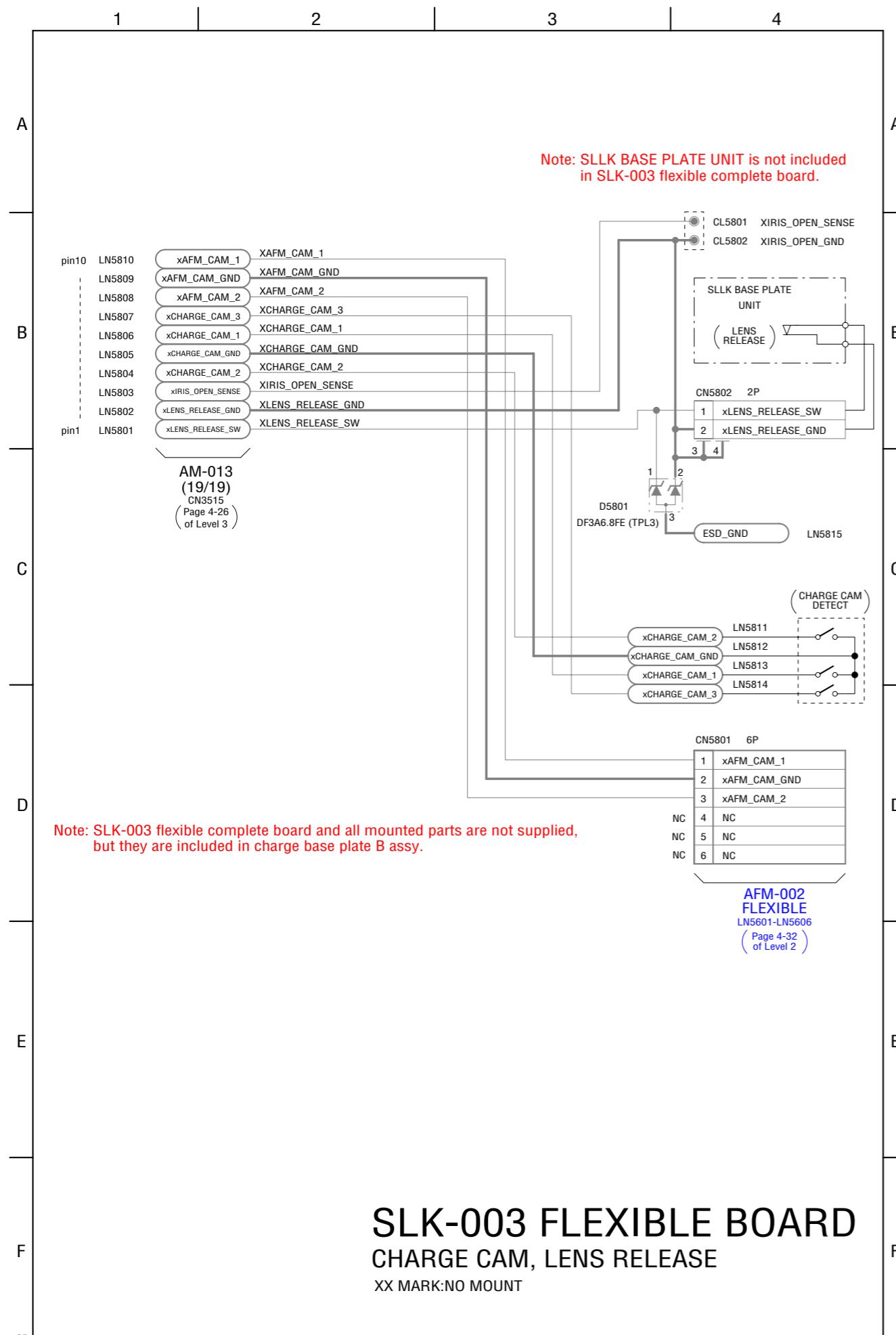
GYRO SENSOR

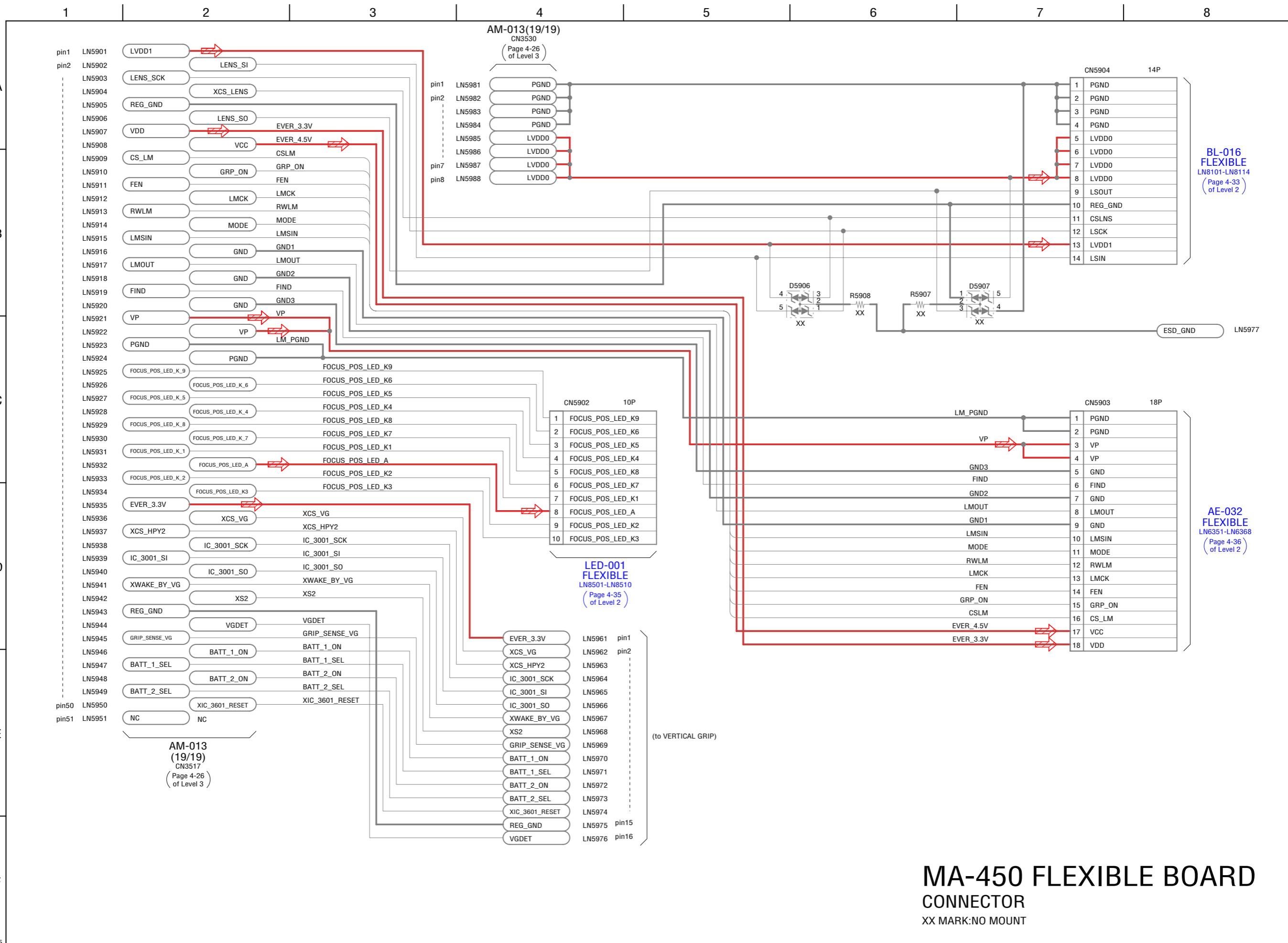


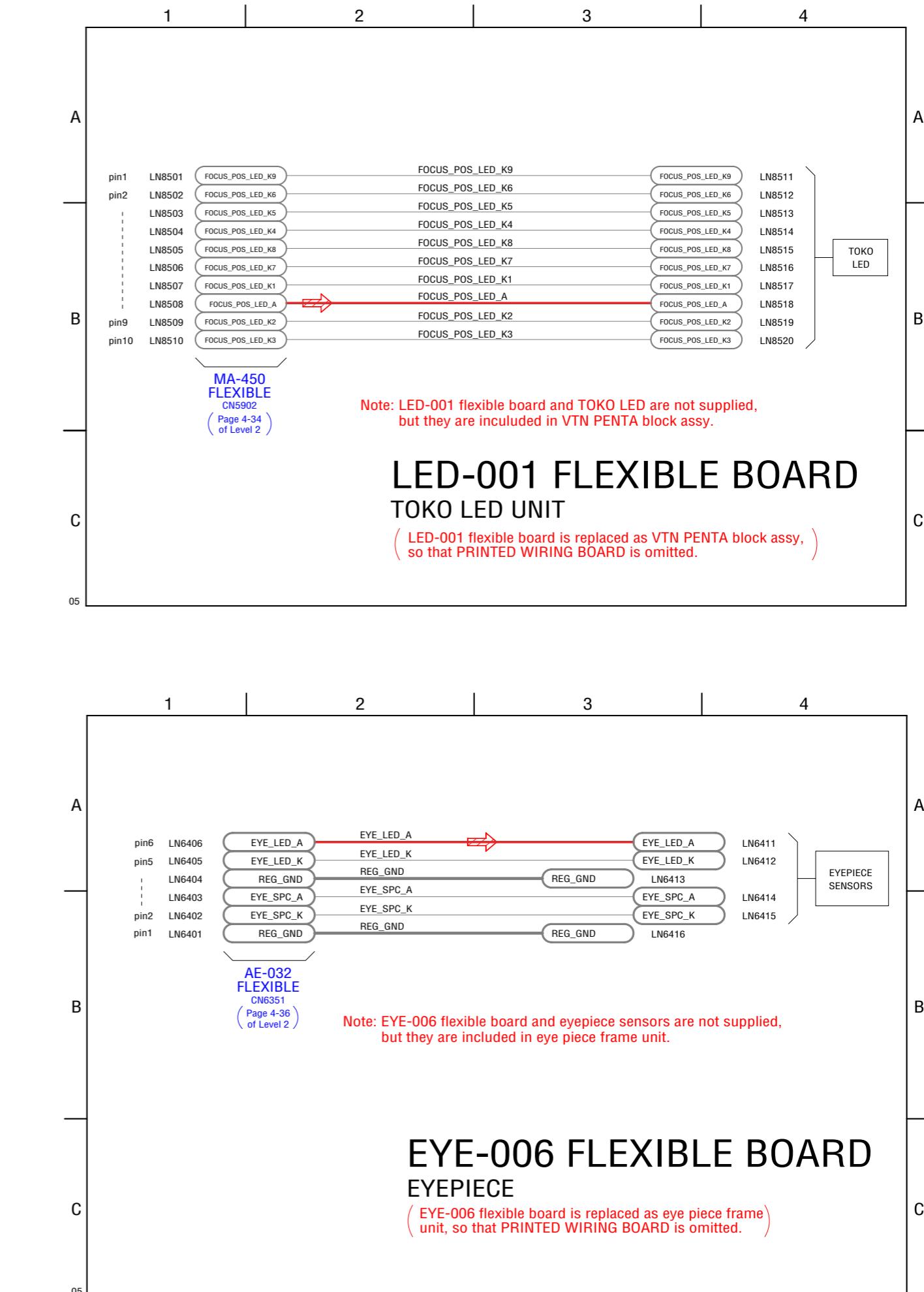
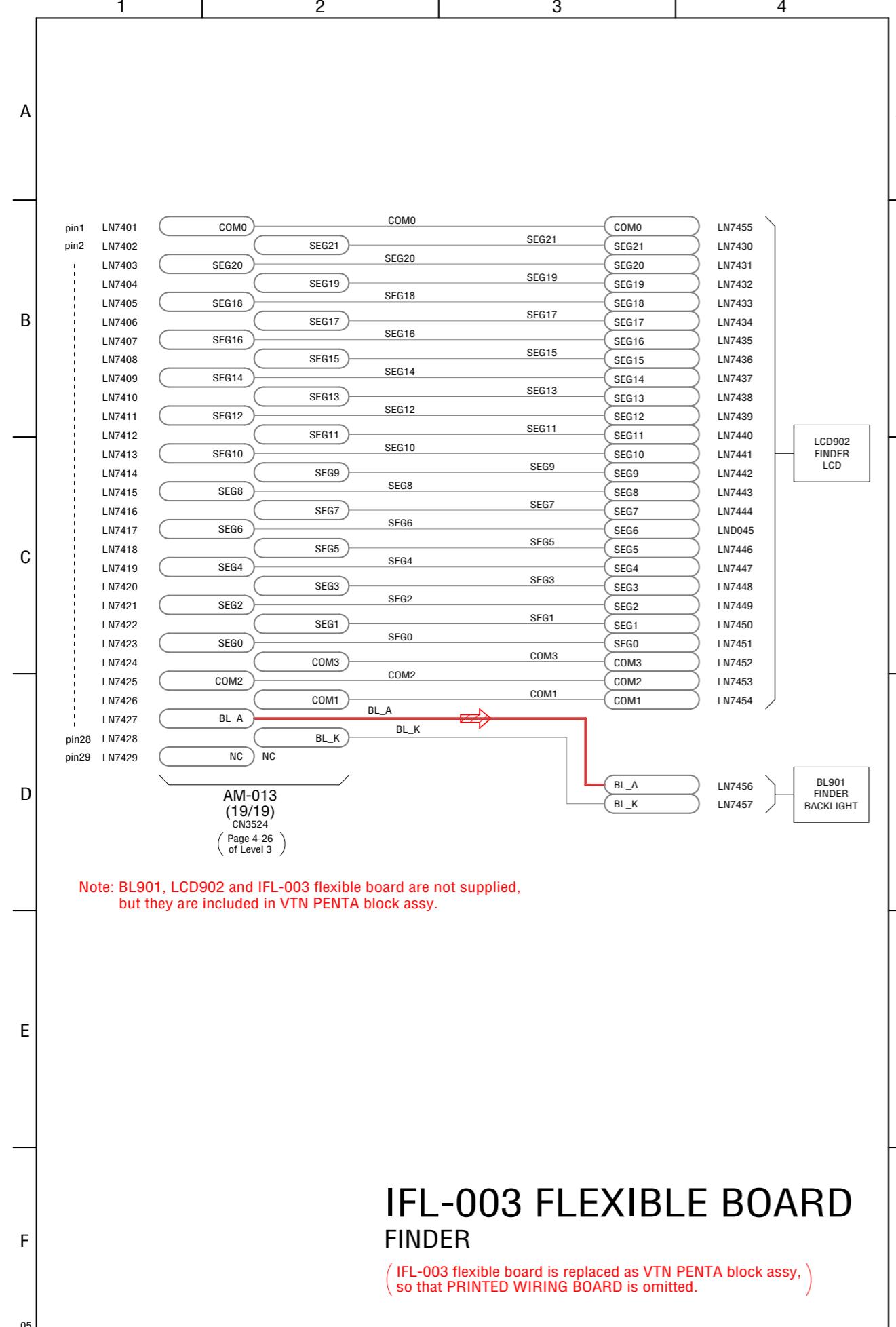


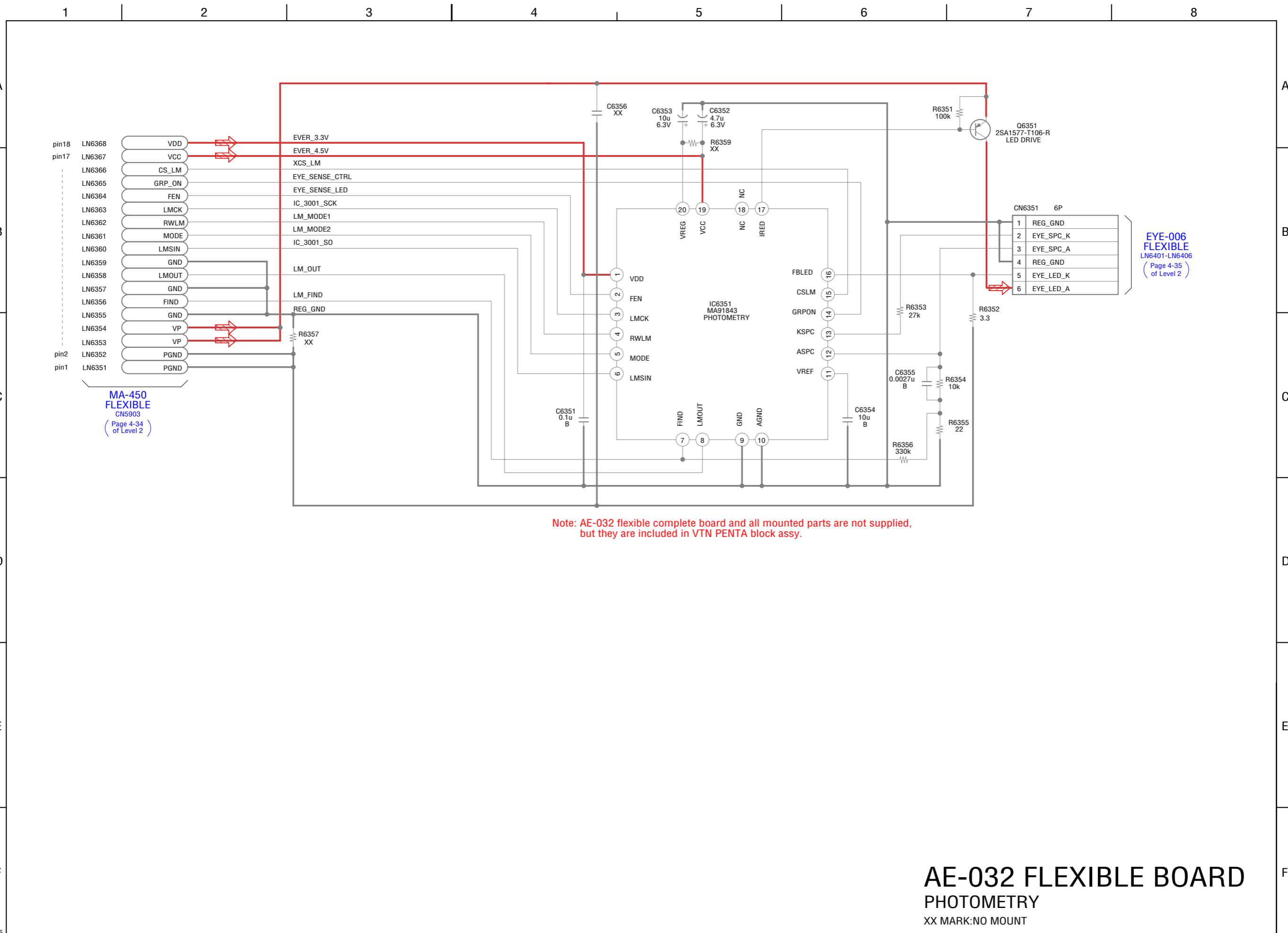
AFP-003 FLEXIBLE BOARD AF SENSOR



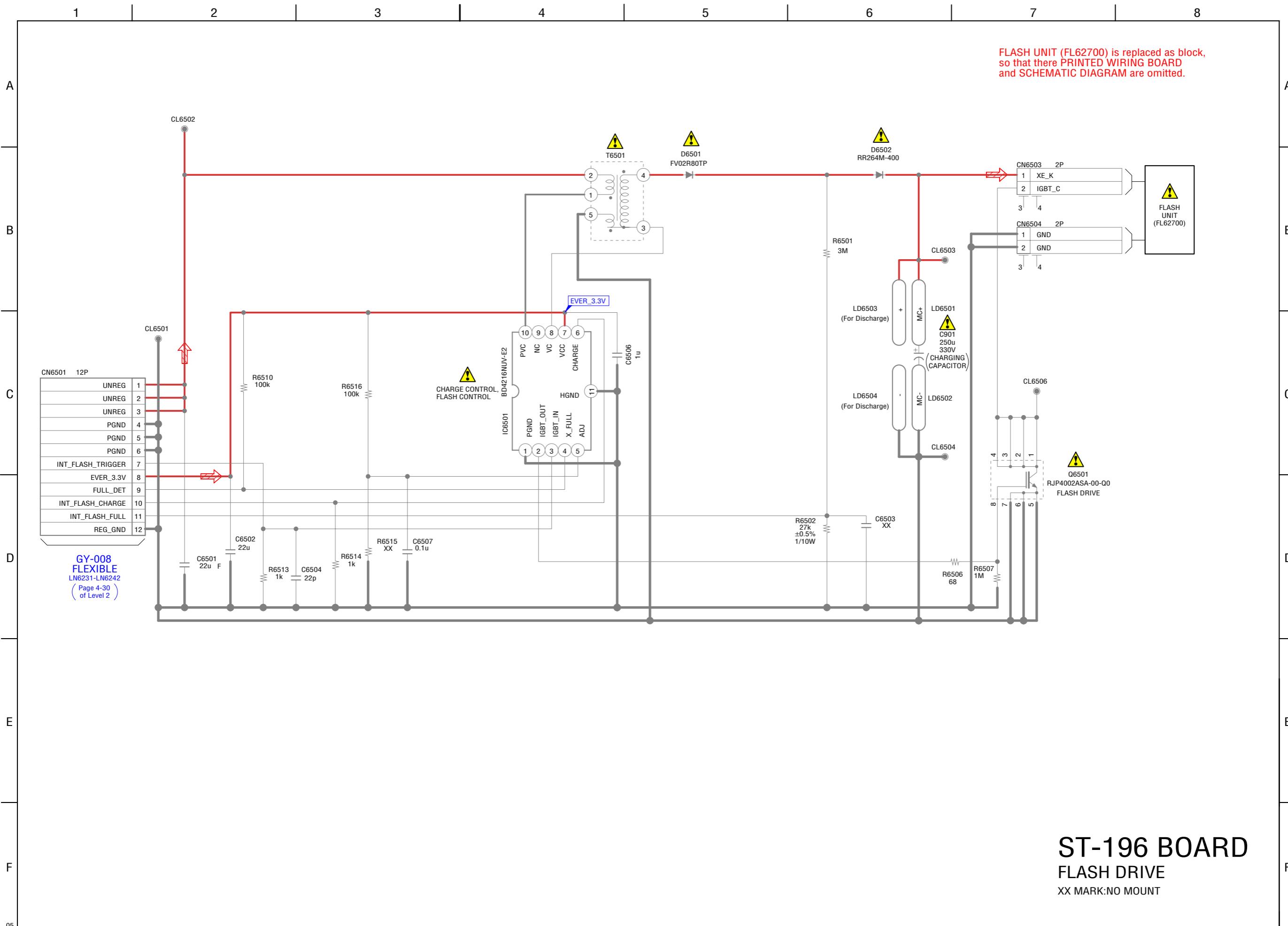








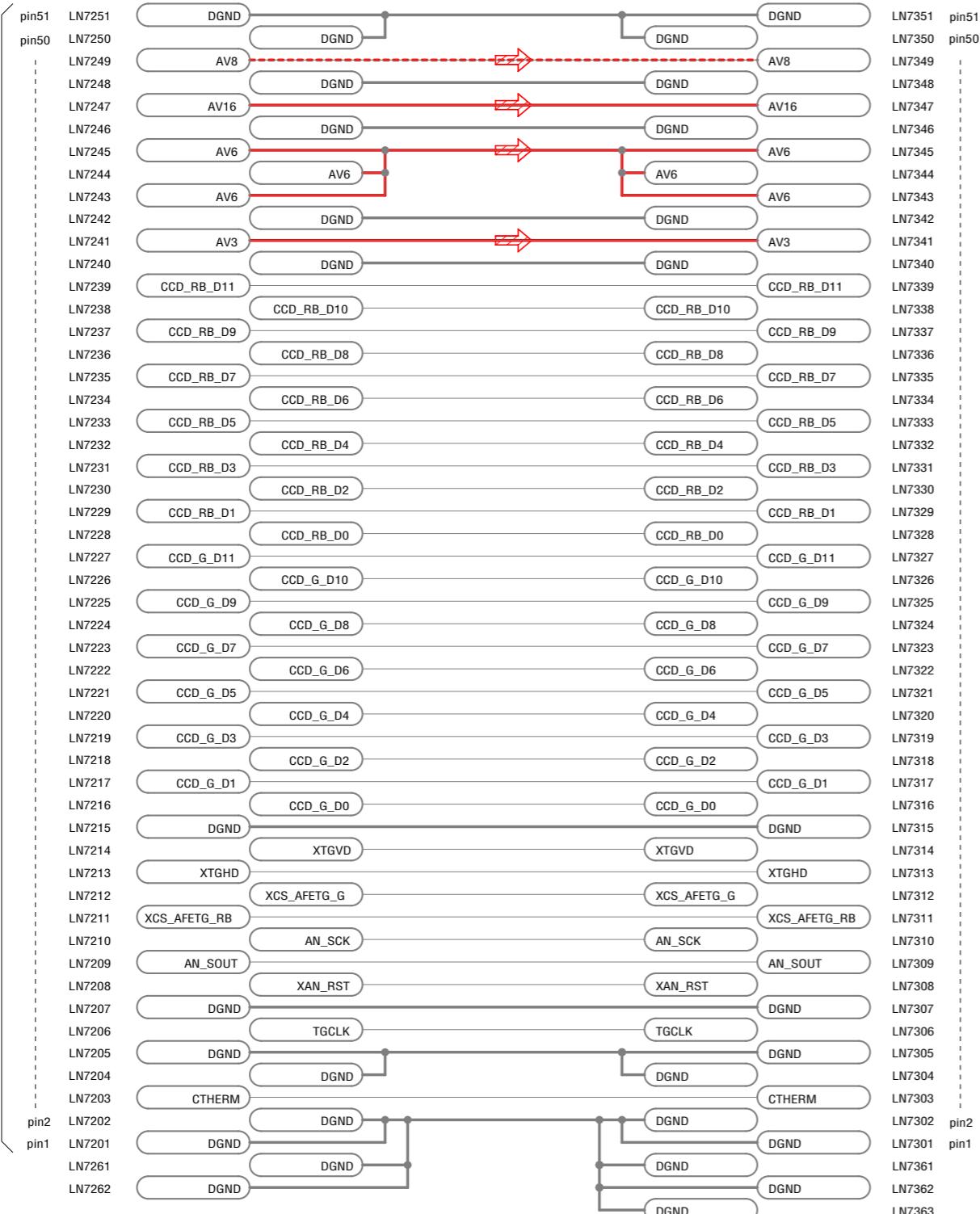
• Refer to page 4-2 (English), 4-3 (Japanese) for mark △.



ST-196 BOARD
FLASH DRIVE
XX MARK: NO MOUNT

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8

A



Note:IS-027 flexible board is not supplied,
but this is included in IS flexible unit.

IS-031
(1/3)
CN4801
(Page 4-4
of Level 2)

AM-013
(16/19)
CN2602
(Page 4-23
of Level 3)

D

E

F

A

B

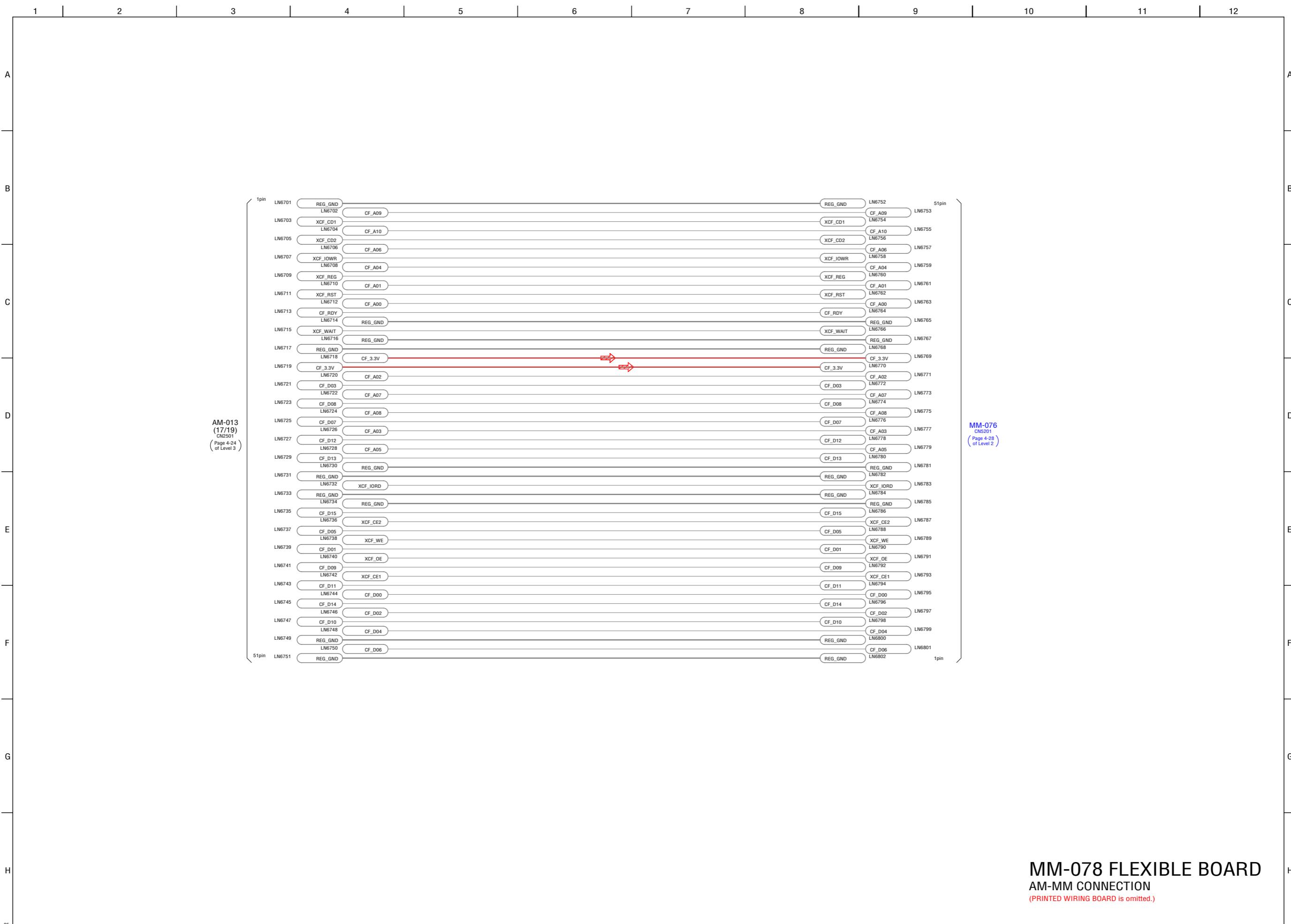
C

D

E

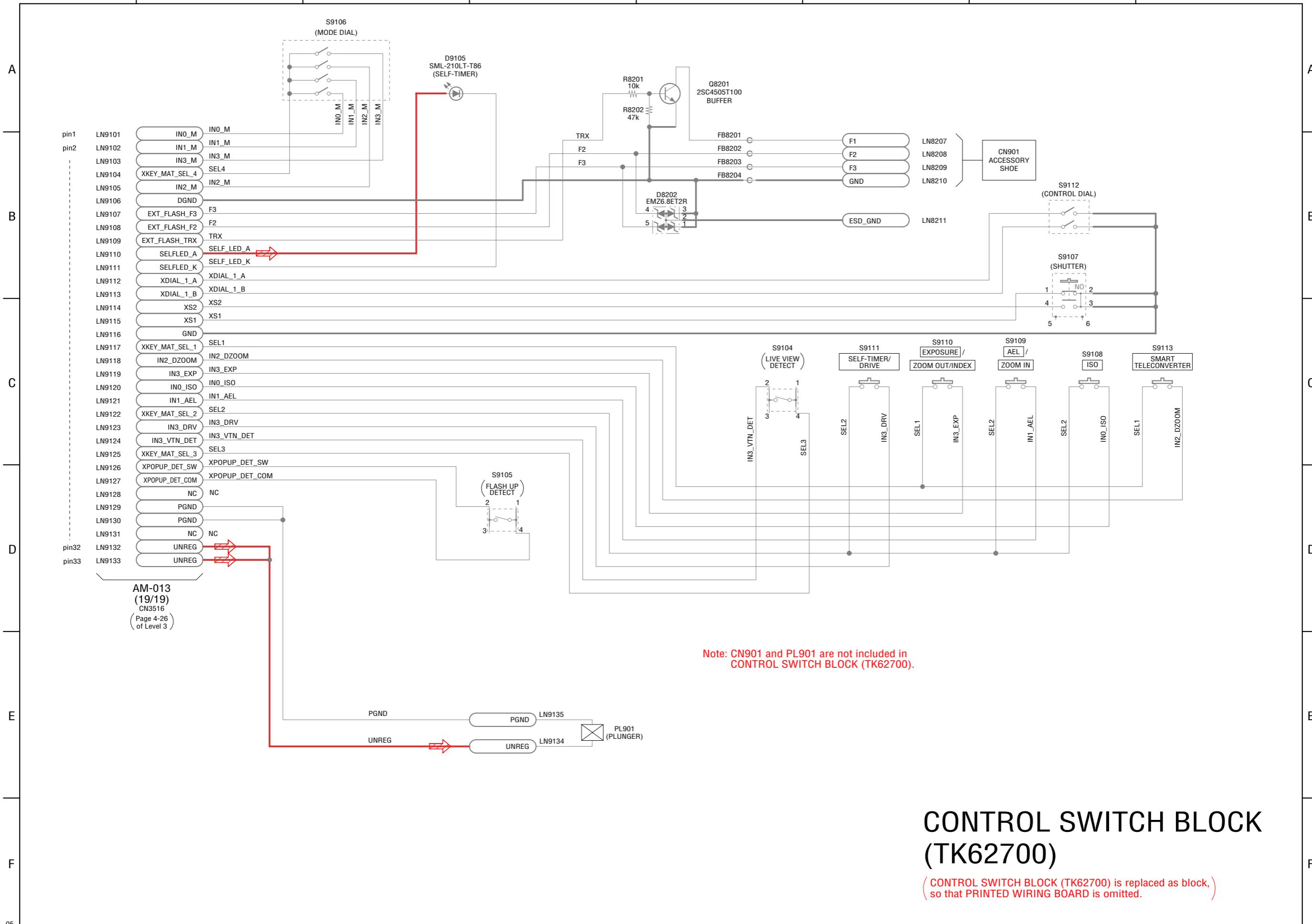
F

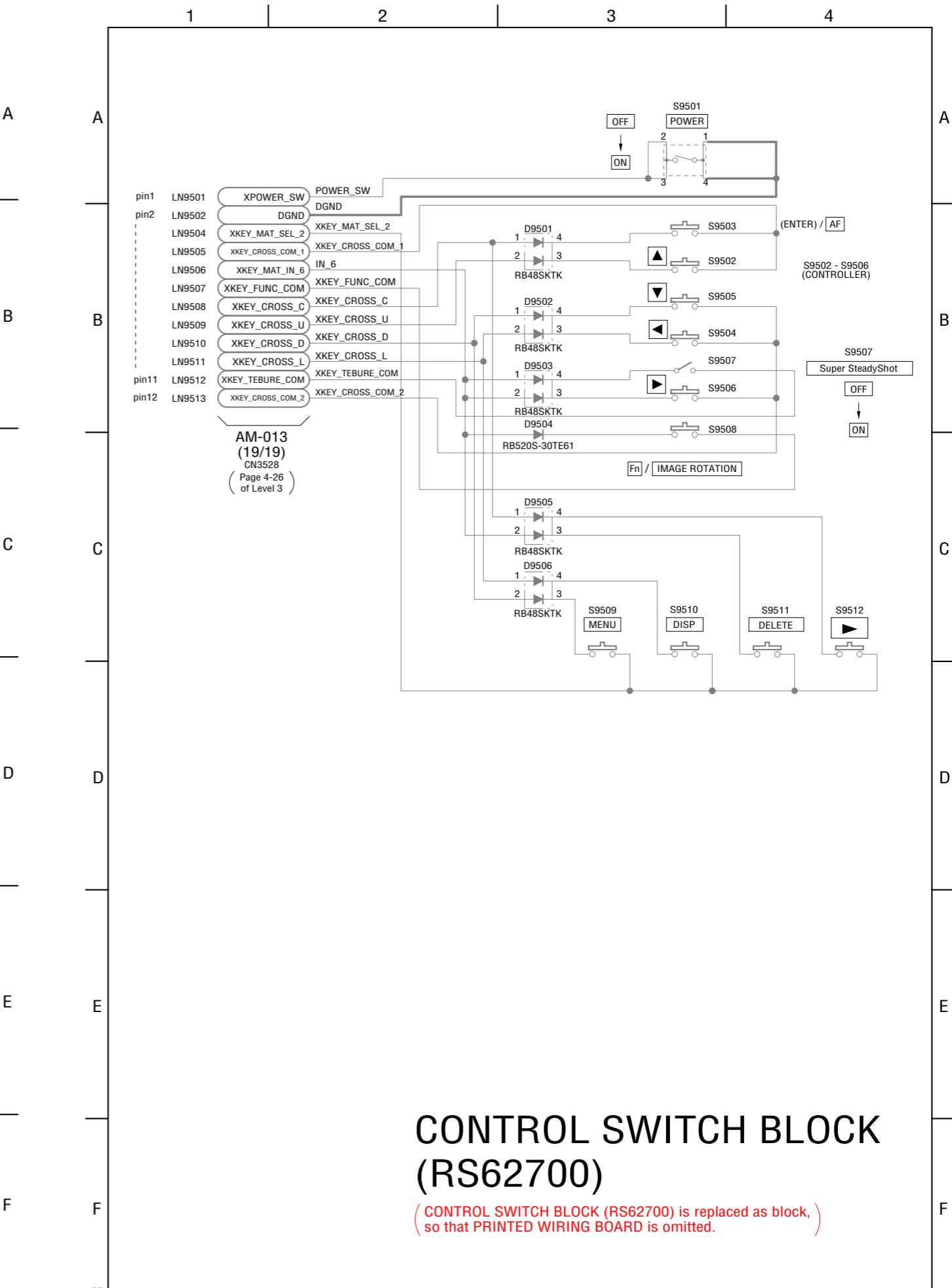
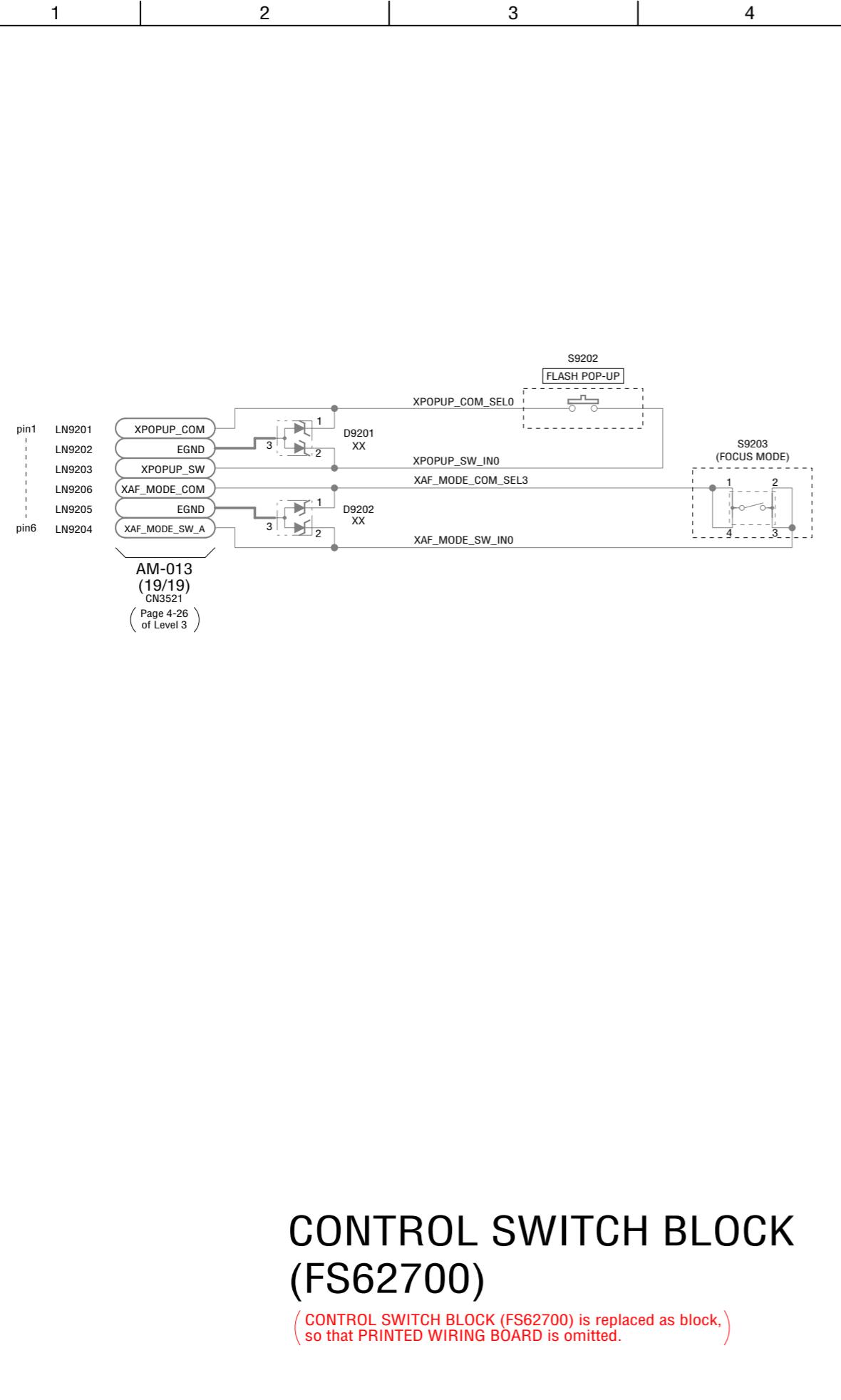
IS-027 FLEXIBLE BOARD
AM-IS CONNECTION
(PRINTED WIRING BOARD is omitted.)



MM-078 FLEXIBLE BOARD
AM-MM CONNECTION
(PRINTED WIRING BOARD is omitted.)

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8





4-3. PRINTED WIRING BOARDS

Link

• IS-031 BOARD	• AP-031 FLEXIBLE BOARD
• VTN-001 FLEXIBLE BOARD	• SLK-003 FLEXIBLE BOARD
• LF-057 FLEXIBLE BOARD	• RM-096 FLEXIBLE BOARD
• MM-076 BOARD	• MA-450 FLEXIBLE BOARD
• GY-008 FLEXIBLE BOARD	• AE-032 FLEXIBLE BOARD
• HOL-004 FLEXIBLE BOARD	• ST-196 BOARD
• AFP-003 FLEXIBLE BOARD	

• COMMON NOTE FOR PRINTED WIRING BOARDS

4-3. PRINTED WIRING BOARDS

4-3. PRINTED WIRING BOARDS

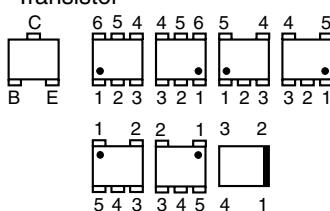
(ENGLISH)

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS

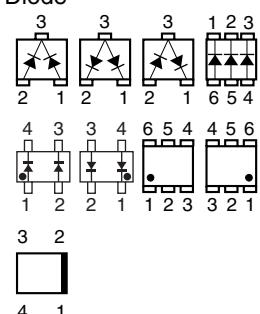
- : Uses unleaded solder.
- : Circuit board
- : Flexible board
- Pattern from the side which enables seeing.
 : pattern of the rear side
(The other layers' patterns are not indicated)
- Through hole is omitted.
- There are a few cases that the part printed on diagram isn't mounted in this model.
- :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

- Chip parts.

Transistor



Diode



(JAPANESE)

プリント図共通ノート

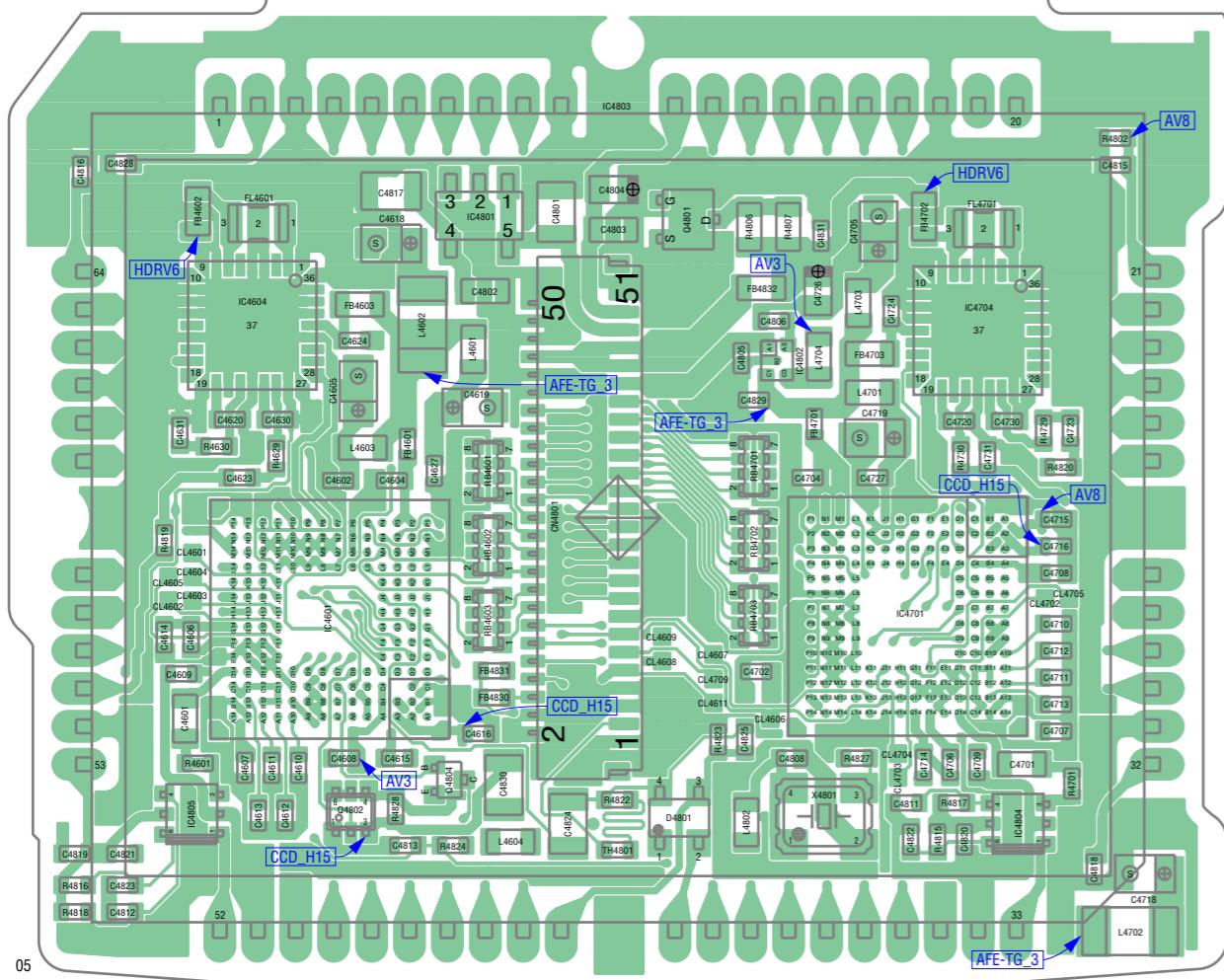
【プリント図ノート】

- ・ : 無鉛半田を使用しています。
- ・ : 基板
- ・ : フレキシブル配線板
- 見ている面側のパターン。
 : 裏側のパターン
(他のパターンについては表示されていません)
- ・ スルーホールは省略。
- ・ プリント図には、本機で使用していない部品が記載されている場合があります。
- ・ はパネル表示名称。

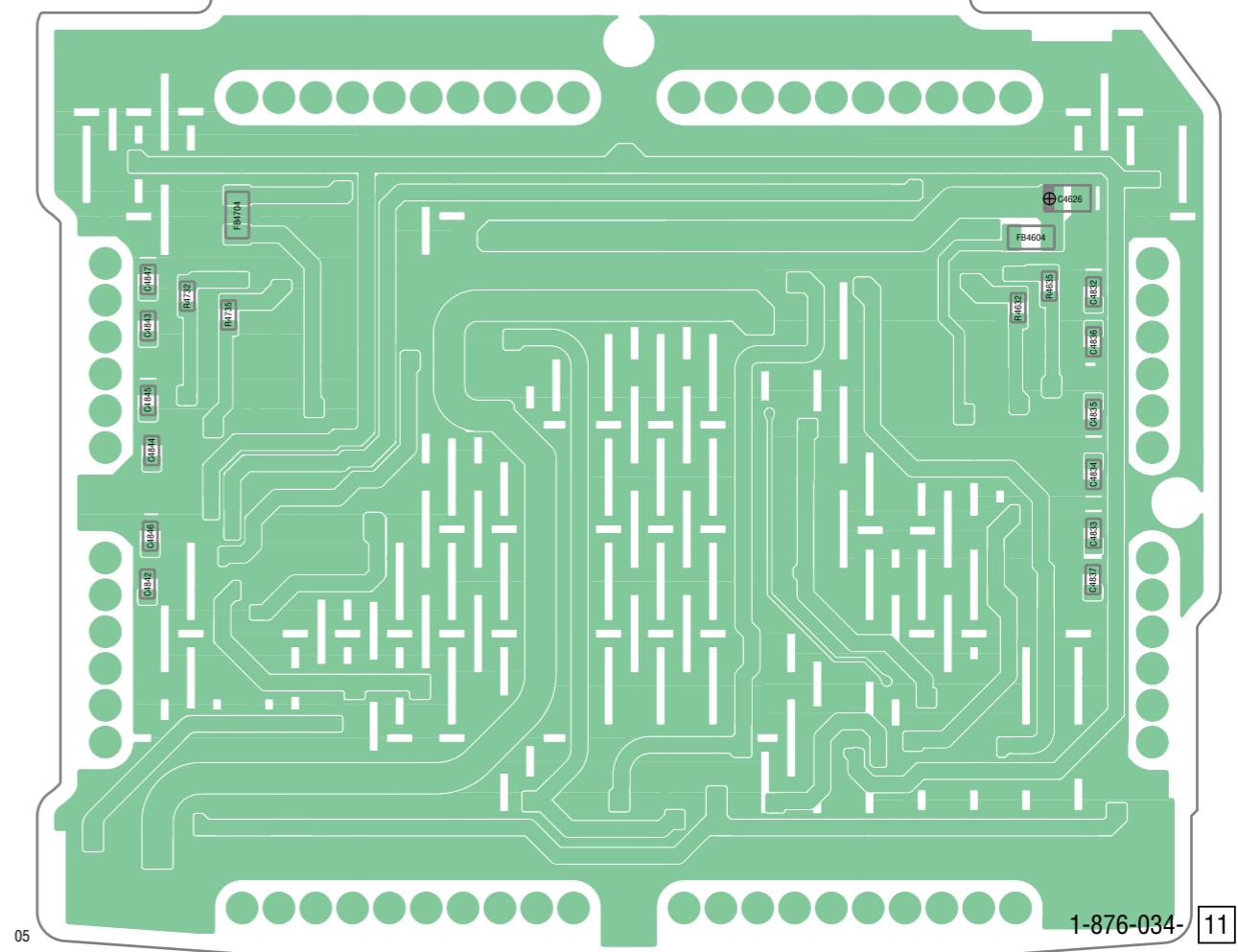
IS-031 (6 layers)

 : Uses unleaded solder.

IS-031 BOARD (SIDE A)



IS-031 BOARD (SIDE B)



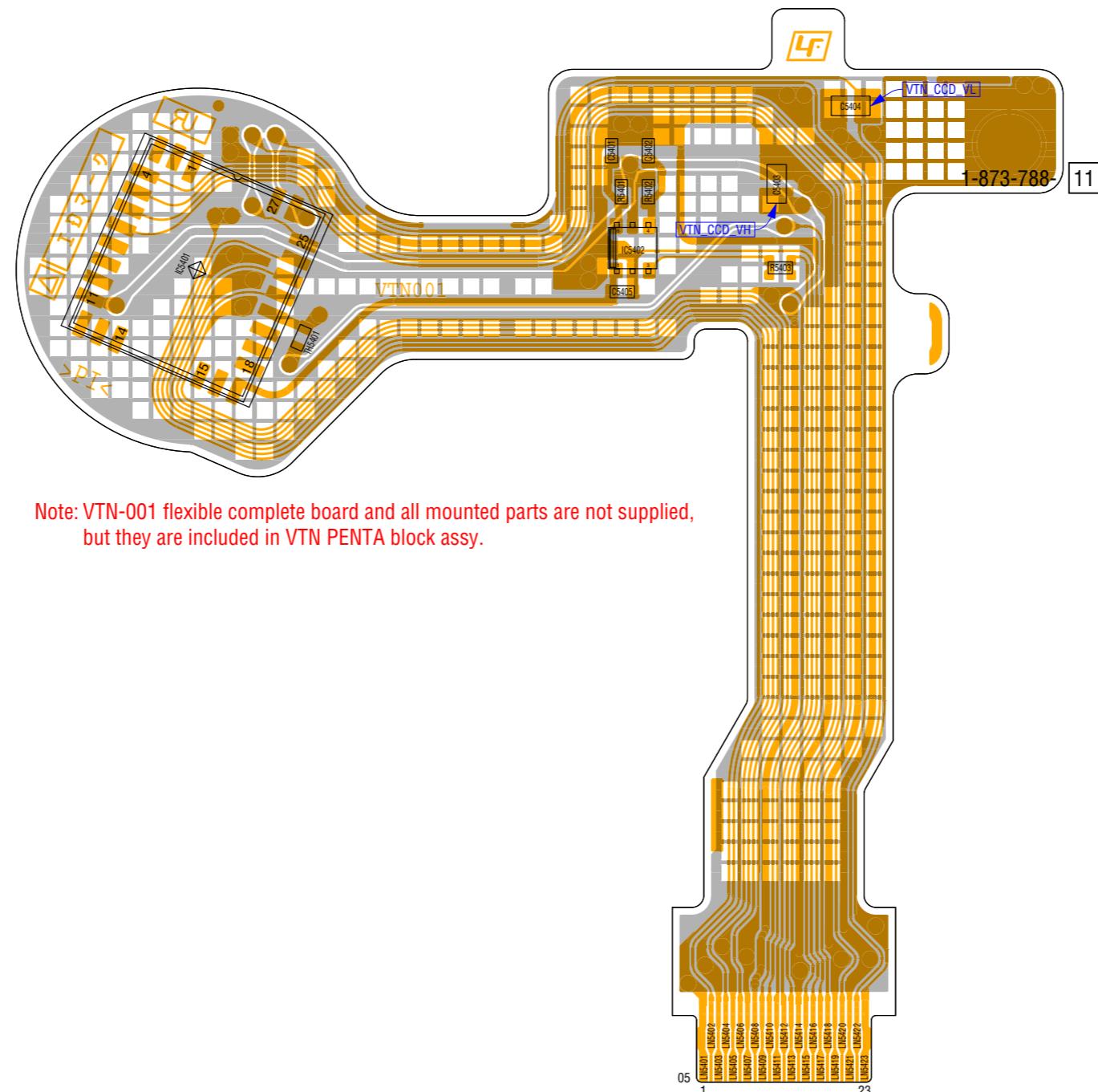
Note: IS-031 complete board and all mounted parts (including (CCD imager)) are not supplied, but they are included in CCD assy 629.

1-876-034- 11

VTN-001 (2 layers)

 : Uses unleaded solder.

VTN-001 FLEXIBLE BOARD

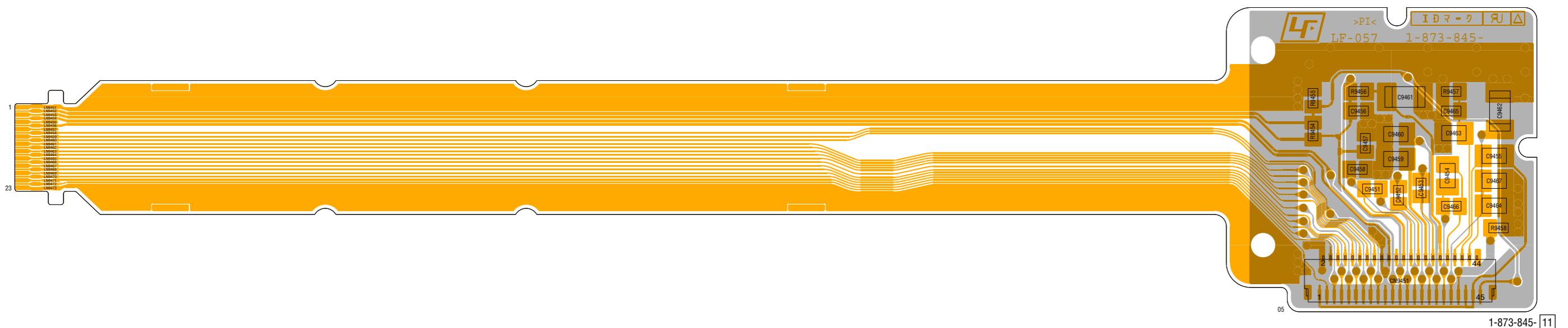


Printed wiring boards of the AM-013 board is not shown.
Pages 4-45 and 4-46 are not shown.

LF-057 (2 layers)

 : Uses unleaded solder.

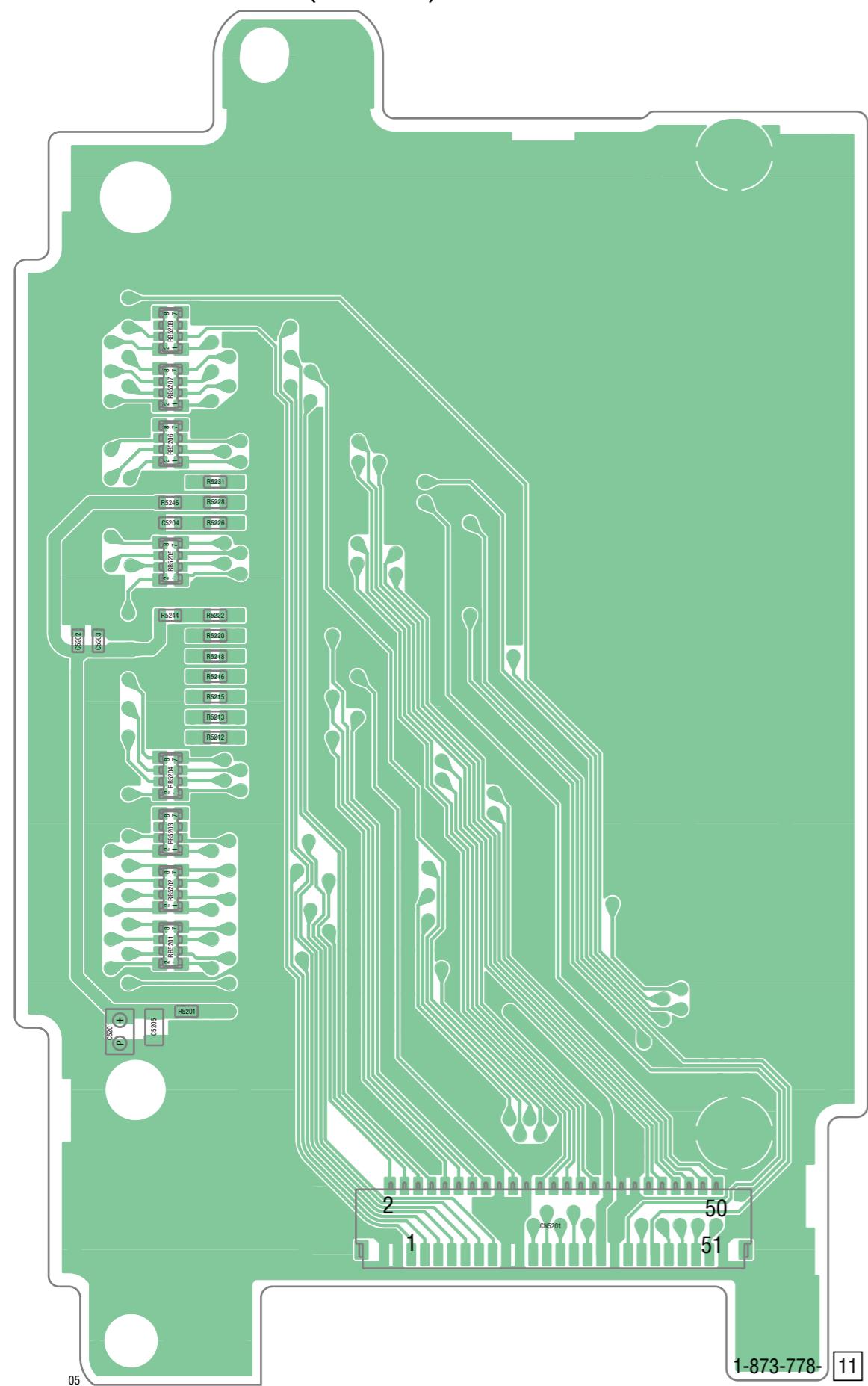
LF-057 FLEXIBLE BOARD



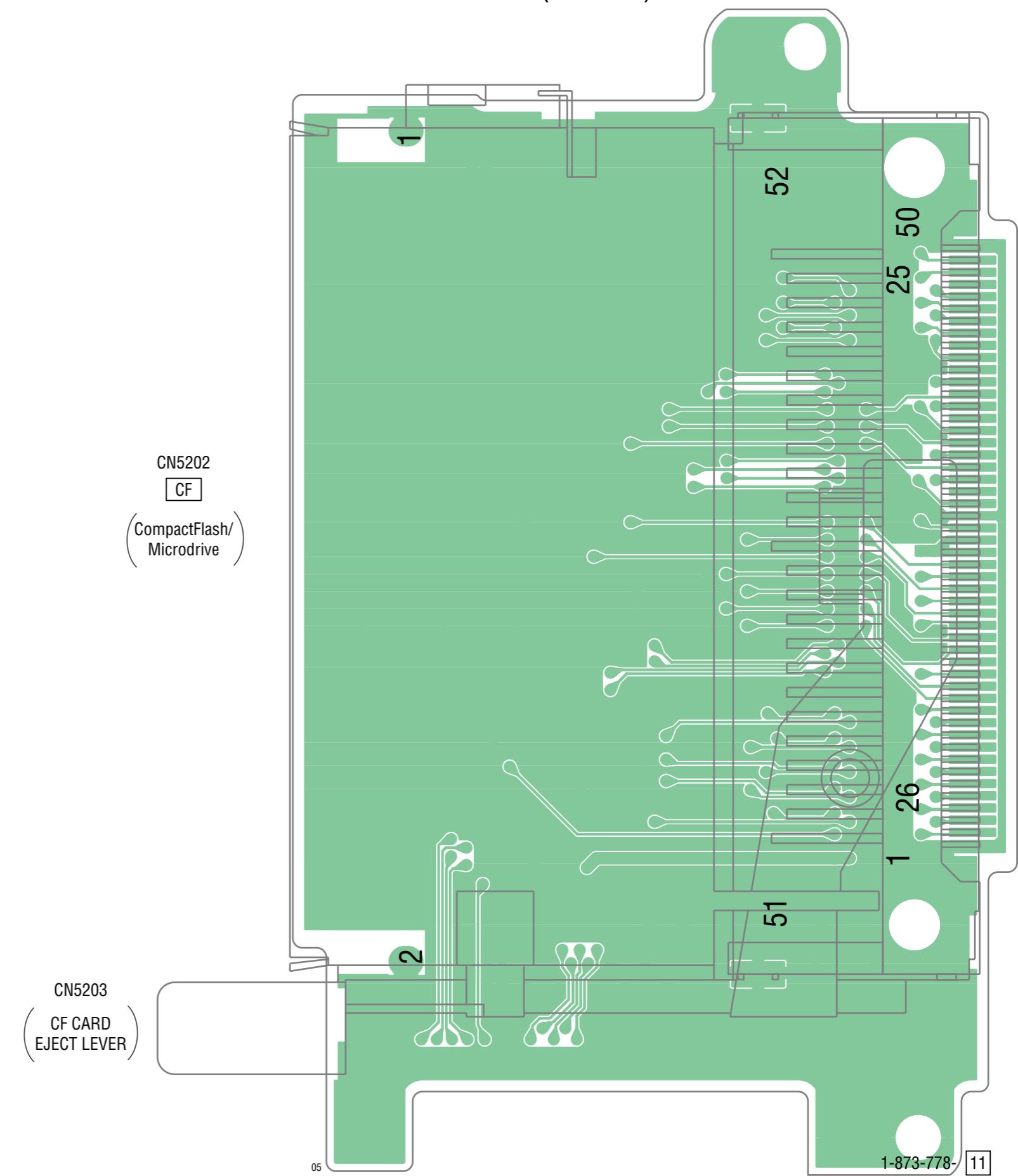
MM-076 (2 layers)

 : Uses unleaded solder.

MM-076 BOARD (SIDE A)

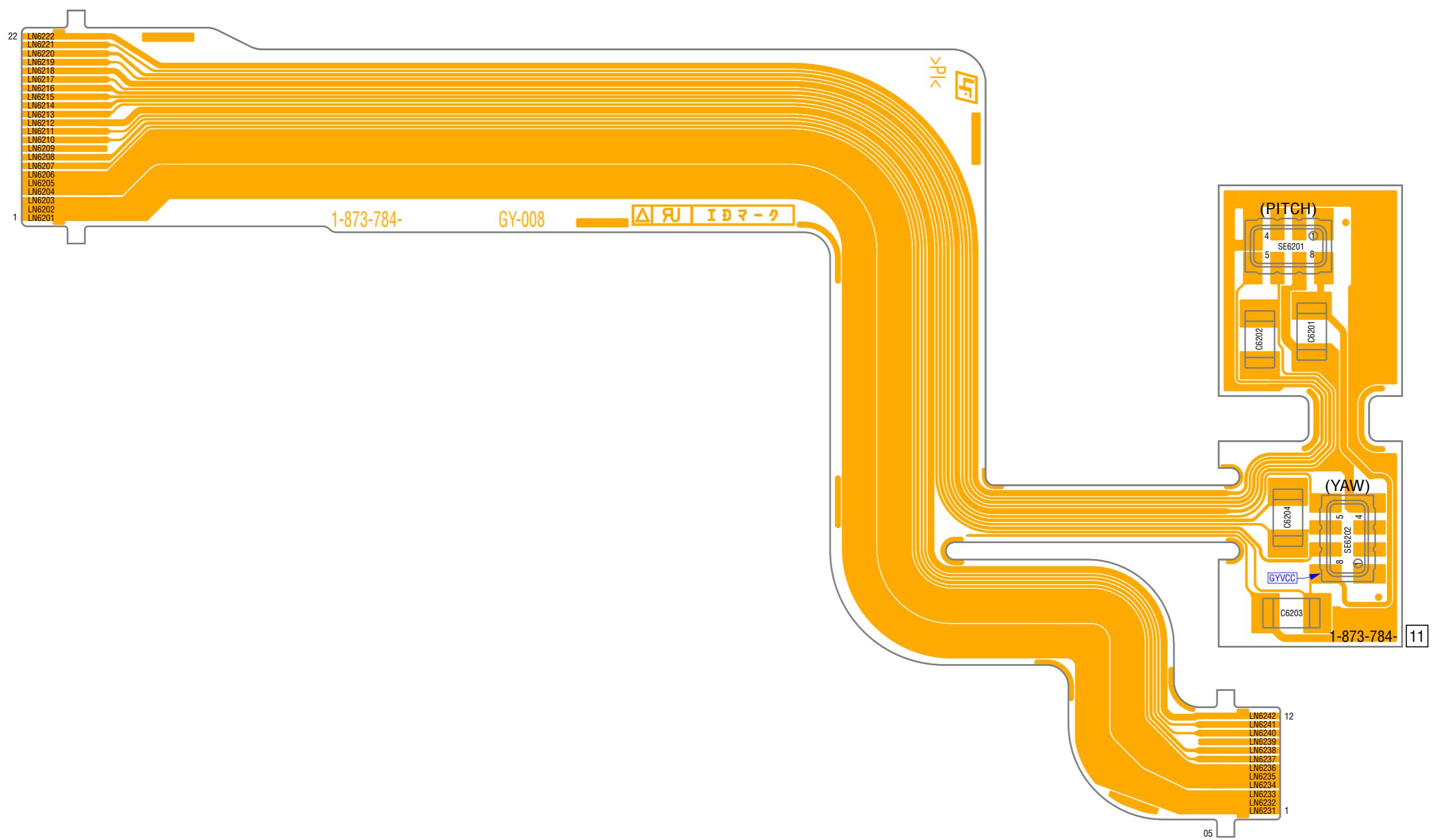


MM-076 BOARD (SIDE B)

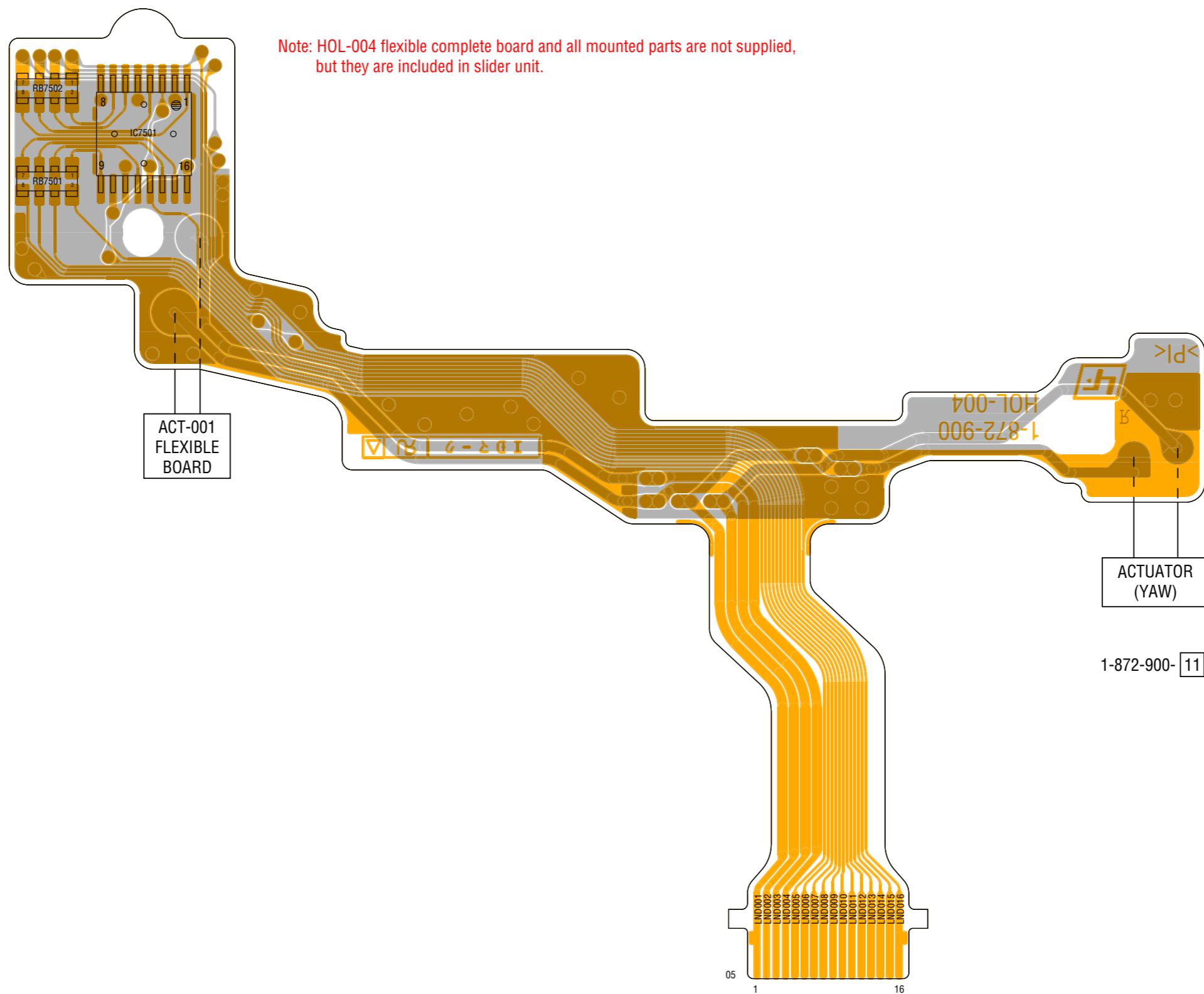


 : Uses unleaded solder.

GY-008 FLEXIBLE BOARD



HOL-004 FLEXIBLE BOARD

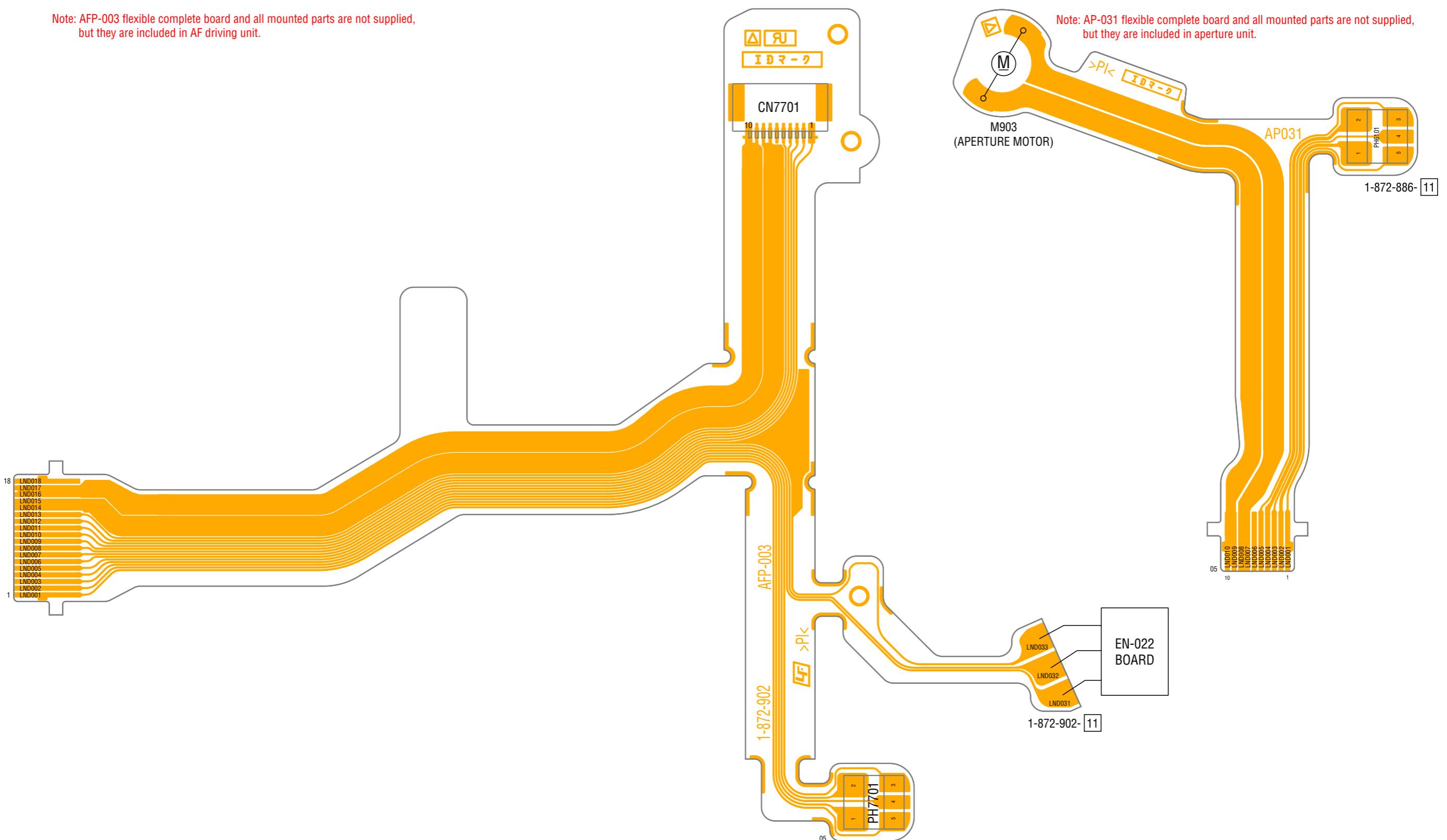


AFP-003 (1 layer), AP-031 (1 layer)

 : Uses unleaded solder.

AFP-003 FLEXIBLE BOARD

Note: AFP-003 flexible complete board and all mounted parts are not supplied, but they are included in AF driving unit.



AP-031 FLEXIBLE BOARD

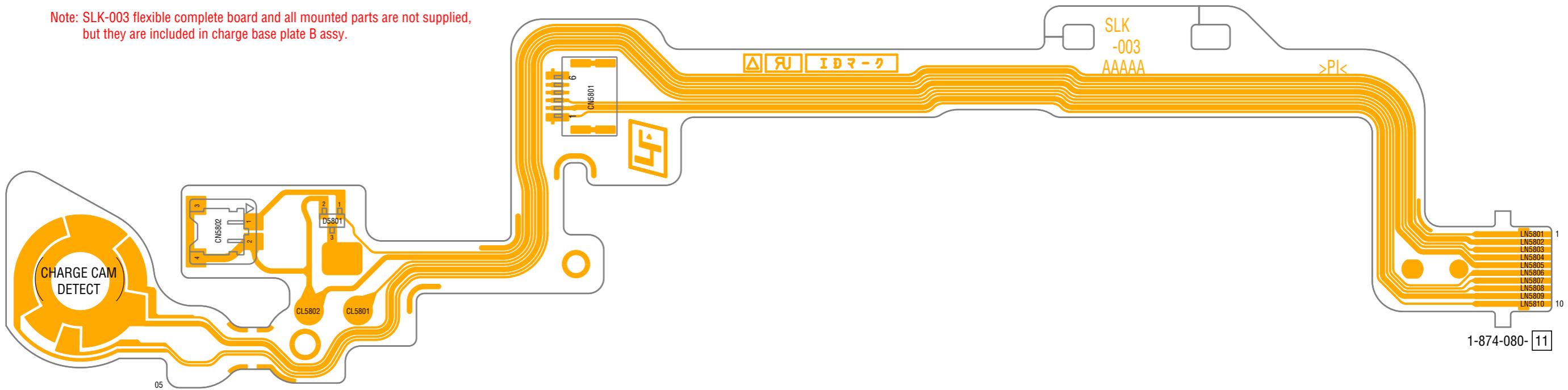
Note: AP-031 flexible complete board and all mounted parts are not supplied, but they are included in aperture unit.

SLK-003 (1 layer), RM-096 (1 layer)

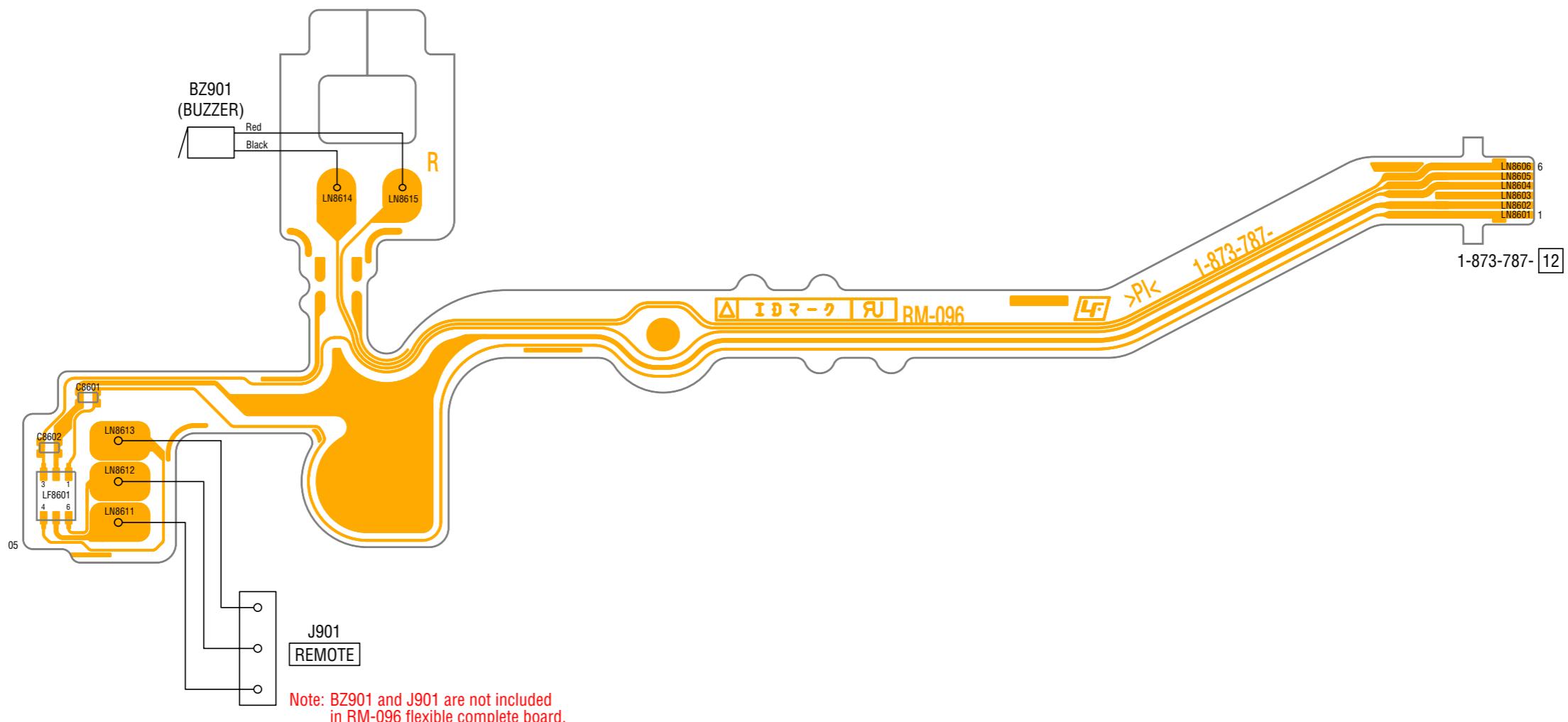
 : Uses unleaded solder.

SLK-003 FLEXIBLE BOARD

Note: SLK-003 flexible complete board and all mounted parts are not supplied, but they are included in charge base plate B assy.

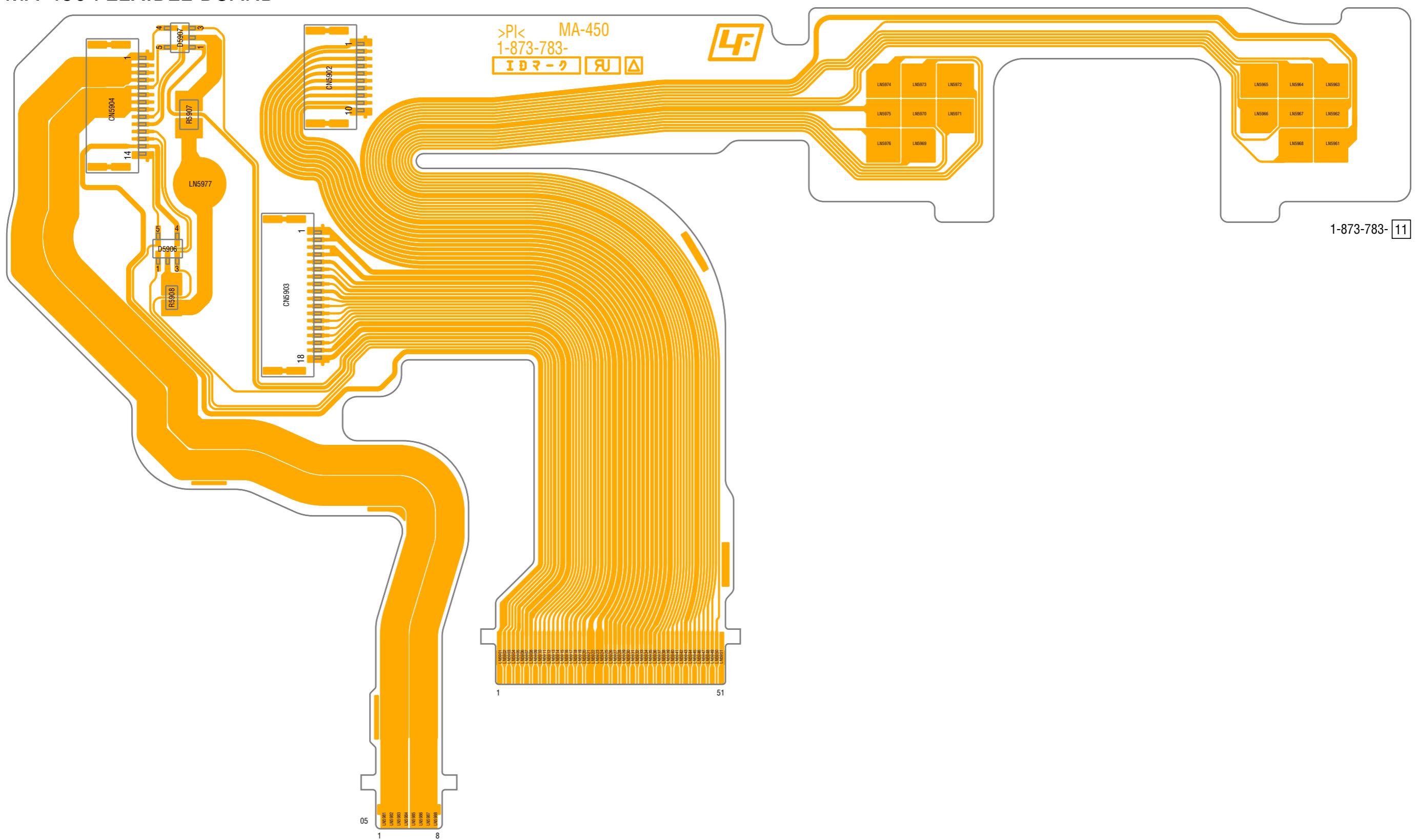


RM-096 FLEXIBLE BOARD

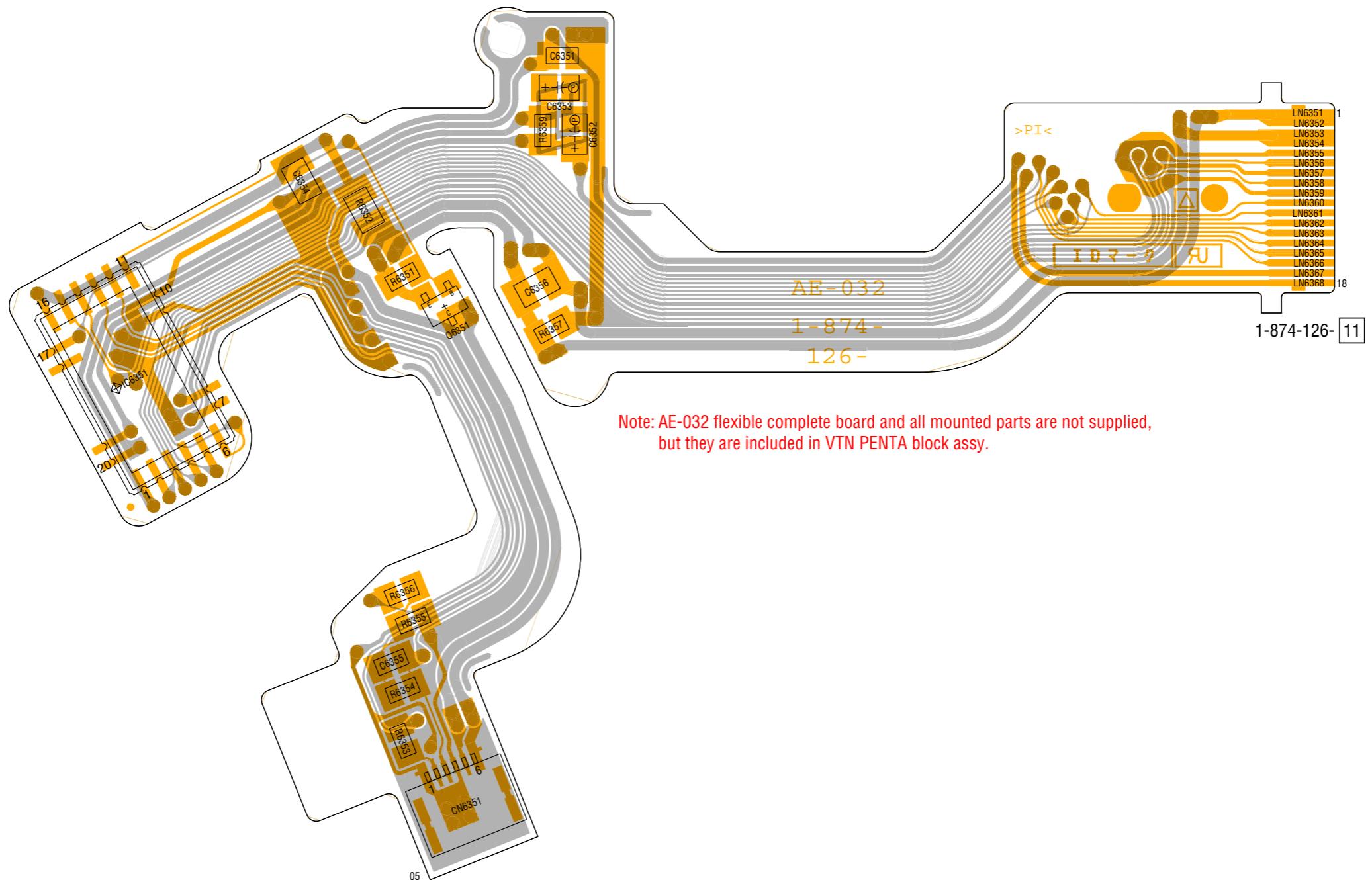


 : Uses unleaded solder.

MA-450 FLEXIBLE BOARD

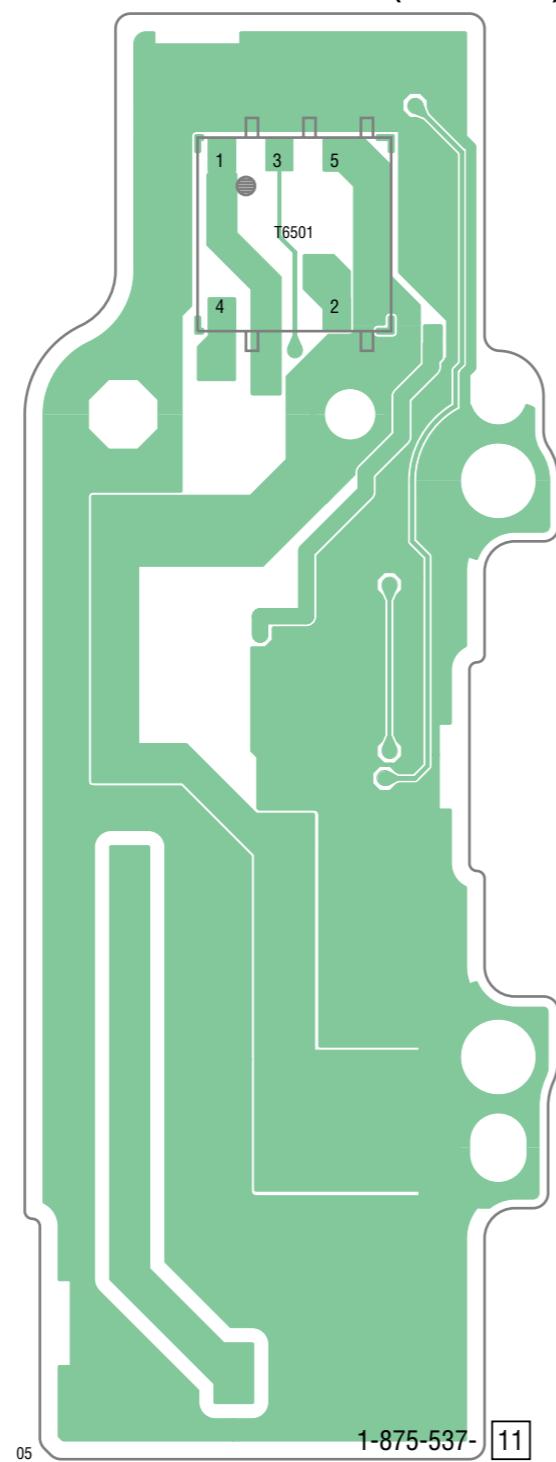
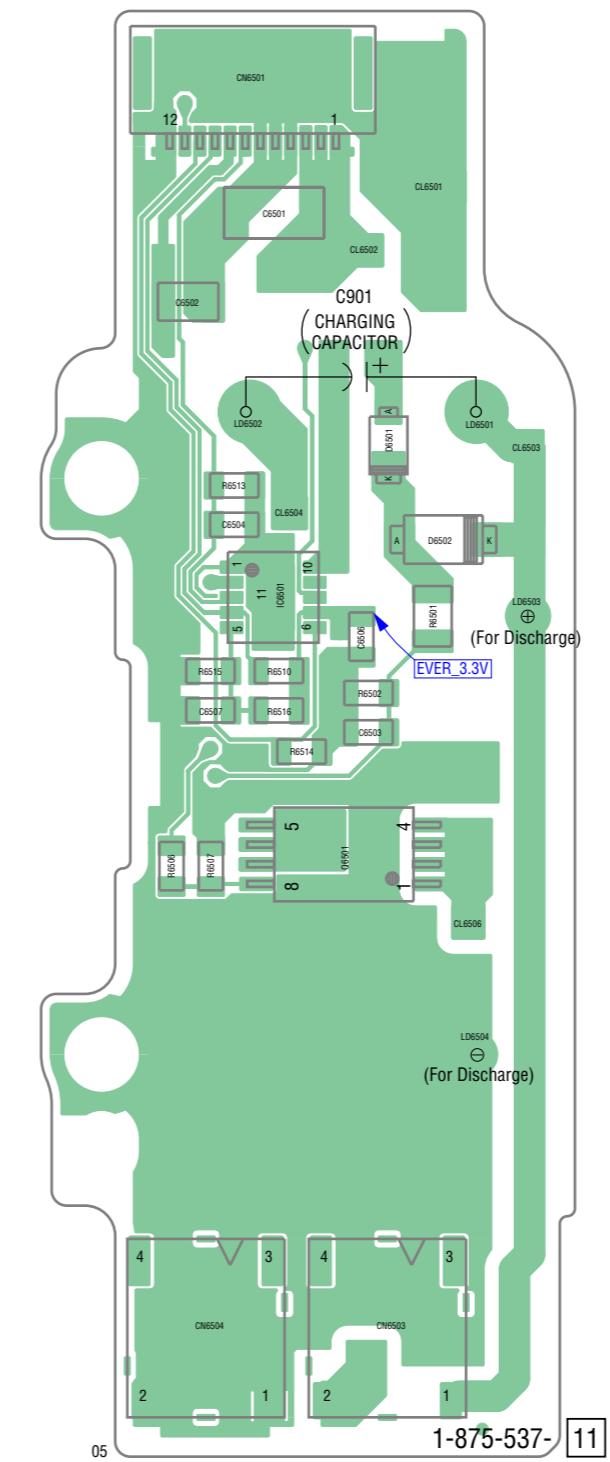


AE-032 FLEXIBLE BOARD



ST-196 (2 layers)

 : Uses unleaded solder.

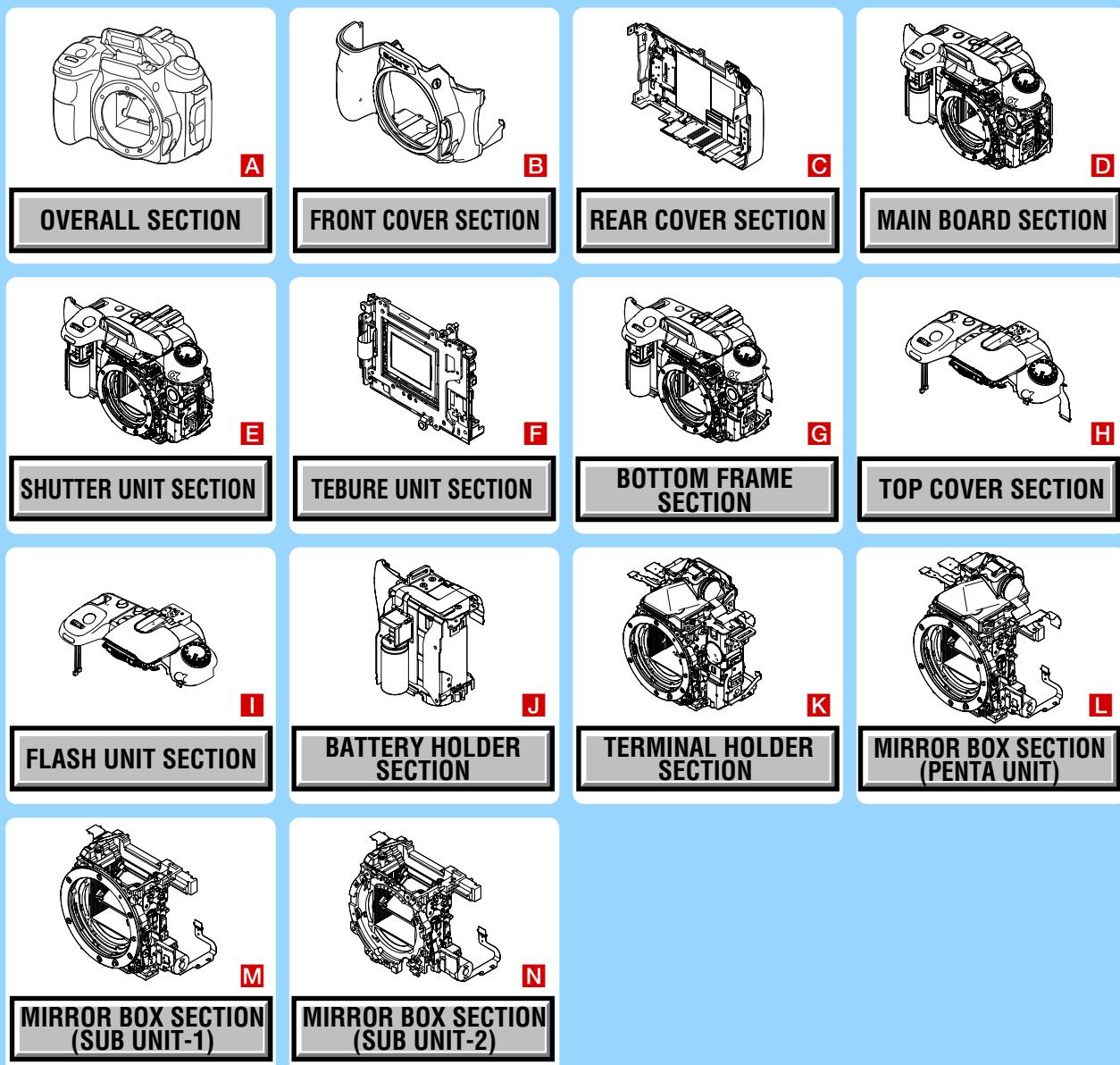
ST-196 BOARD (SIDE A)**ST-196 BOARD (SIDE B)**

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



Link

ELECTRICAL PARTS LIST

ACCESSORIES

• GY-008 FLEXIBLE BOARD	J	• MA-450 FLEXIBLE BOARD	J	• ST-196 BOARD	J
• IS-031 BOARD	F	• MM-076 BOARD	D		
• LF-057 FLEXIBLE BOARD	C	• RM-096 FLEXIBLE BOARD	K		

5. REPAIR PARTS LIST

5. REPAIR PARTS LIST

(ENGLISH)

NOTE:

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

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

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

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

- Color Indication of Appearance Parts

Example:

(SILVER) : Cabinet's Color
(Silver) : Parts Color

(JAPANESE)

【使用上の注意】

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

お願い
図面番号で部品を指定するときは基板名又はブロック
を併せて指定してください。

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

- 外装部品色表示

例：

(SILVER) : セットの色を表す。
(Silver) : 部品の色を表す。

- Abbreviation

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

5. REPAIR PARTS LIST

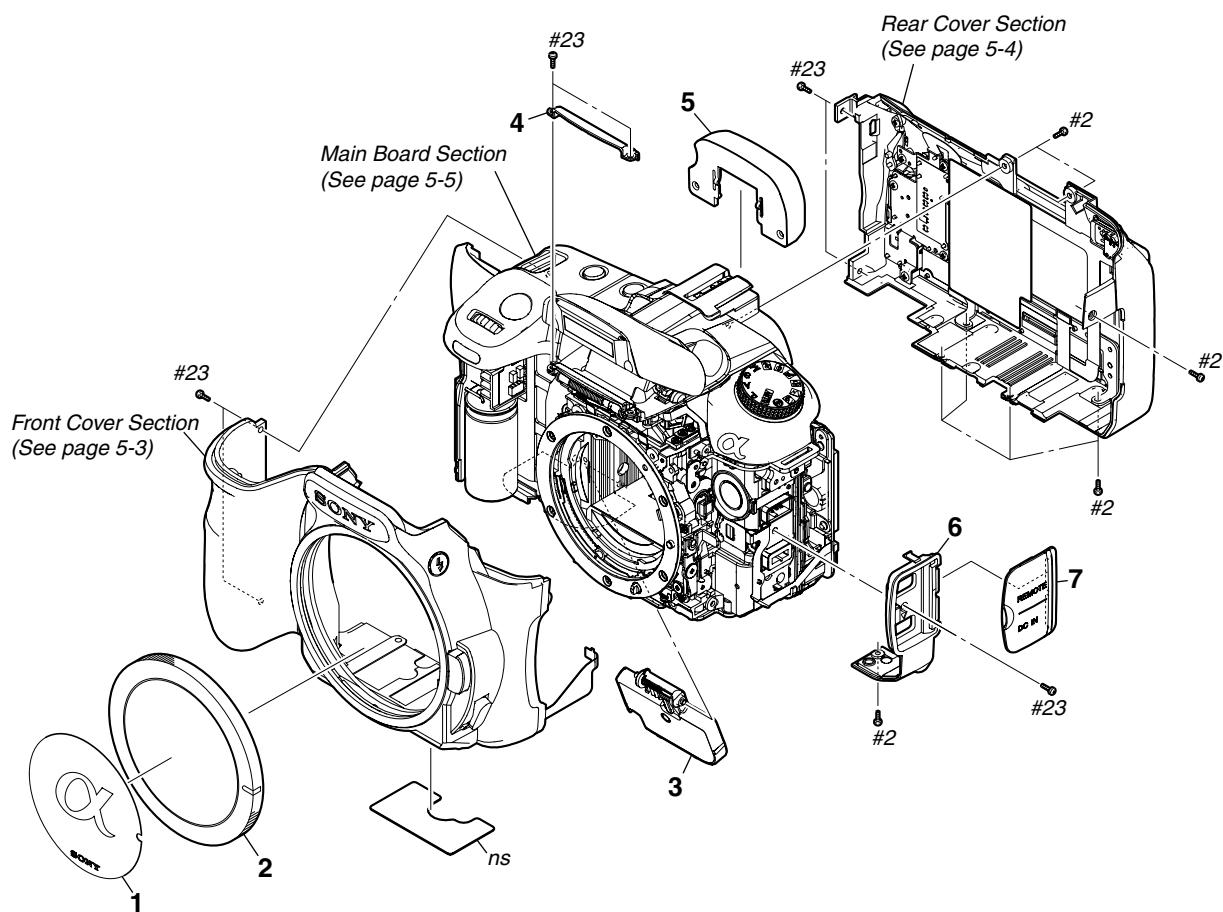
5-1. EXPLODED VIEWS

5-1-1. OVERALL SECTION

ns: not supplied

DISASSEMBLY

HARDWARE LIST



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	2-894-387-01	SEAL, BODY CAP	* 6	3-282-749-02	BD SIDE COVER (L)
2	2-688-728-02	CAP, BODY	7	3-282-750-01	BC DC•REMOTE LID
3	X-2187-837-1	BD BATTERY CASE LID ASSY	#2	2-635-562-31	SCREW (M1.7) (Black)
4	3-282-855-01	ST STROBOSCOPE ARM COVER	#23	3-080-204-11	SCREW, TAPPING, P2 (Black)
5	X-2187-839-1	CV EYE HOOD ASSY			

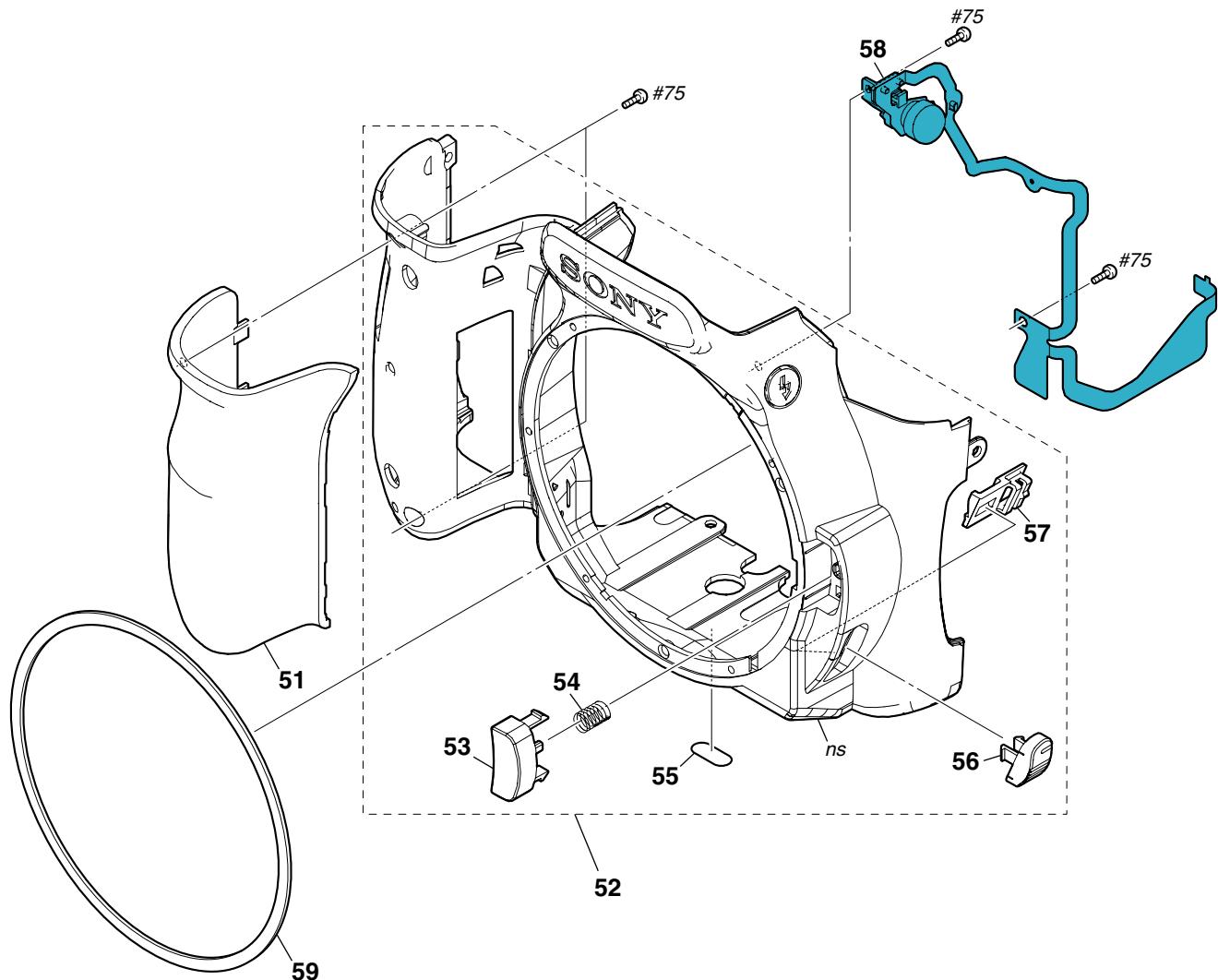
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-2. FRONT COVER SECTION

ns: not supplied



Ref. No.	Part No.	Description
51	3-288-191-01	CV GRIP COVER (629)
52	X-2188-561-1	CV FRONT COVER ASSY 629
53	3-282-781-02	CT LENS LOCK BUTTON
* 54	3-282-782-01	CT LENS LOCK SPRING
55	3-282-787-01	RUBBER FOOT

Ref. No.	Part No.	Description
56	3-282-783-01	CT FOCUS SELECTION KNOB
* 57	3-282-784-01	CT FC CLICK PLATE
58	1-480-472-11	SWITCH BLOCK, CONTROL (FS62700)
59	X-2187-835-1	CV DECORATION COVER ASSY
#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)

5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-3. REAR COVER SECTION

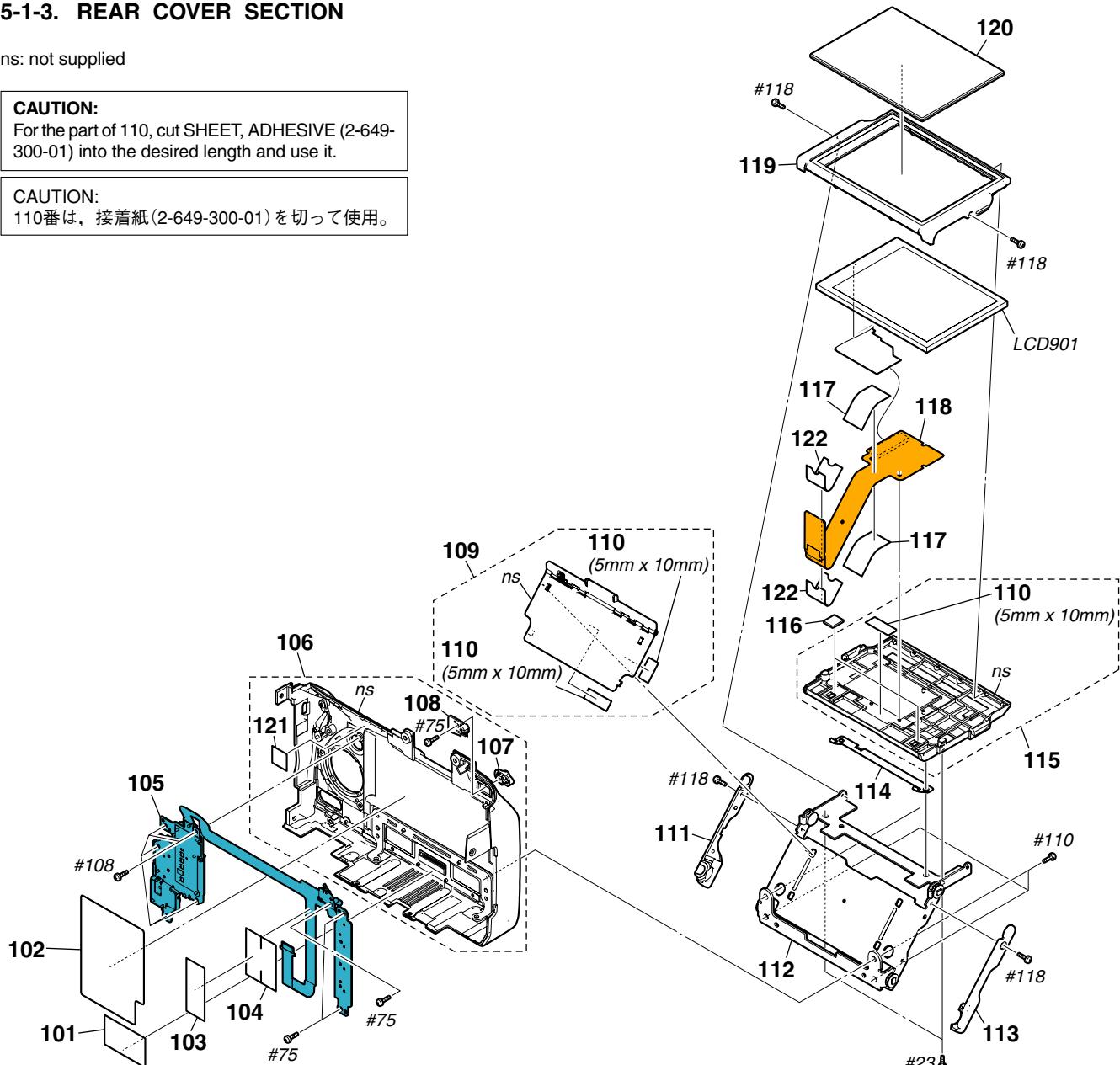
ns: not supplied

CAUTION:

For the part of 110, cut SHEET, ADHESIVE (2-649-300-01) into the desired length and use it.

CAUTION:

110番は、接着紙(2-649-300-01)を切って使用。



Ref. No.	Part No.	Description
* 101	3-290-775-02	CV FLEXIBLE HOLE BLIND SHEET
* 102	3-282-797-01	CV FUSE CHANGE CAUTION LABEL
* 103	3-297-446-01	EM SHIELD INSULATING SHEET
* 104	3-296-153-01	EM RS FPC SHIELD SHEET
105	1-480-473-11	SWITCH BLOCK, CONTROL (RS62700)
106	X-2188-562-2	CV REAR COVER ASSY 629
107	3-282-804-01	CT MAIN SW KNOB
* 108	3-282-805-01	CT MAIN SW CLICK PLATE
109	X-2188-565-1	CV FLEXIBLE COVER ASSY
110	CAUTION	CV FPC TAPE B
111	3-288-197-01	CV HINGE COVER (R)
112	X-2188-563-2	CV LCD HINGE ASSY
113	3-288-198-01	CV HINGE COVER (L)
114	3-288-202-01	EM LCD GROUND PIECE
115	X-2188-815-1	CV LCD LOWER COVER ASSY

Ref. No.	Part No.	Description
* 116	3-298-228-01	EM LCD GASKET
117	3-288-200-01	CV FPC SLIDER SHEET
118	A-1541-126-A	LF-057 FLEXIBLE BOARD, COMPLETE
119	X-2188-564-1	CV LCD UPPER COVER ASSY
120	3-288-203-01	CV LCD WINDOW 629
121	3-085-917-01	SHEET, PROTECTION, BT FLEXIBLE
* 122	3-875-297-01	CV FPC SLIDER SHEET B
LCD901	1-802-570-11	LCD MODULE (A027DN01 V1)
#23	3-080-204-11	SCREW, TAPPING, P2 (Black)
#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)
#108	2-695-430-01	SCREW (T1.7), HEAD PAN TAPPING (Black)
#110	2-630-005-21	SCREW (M2), NEW TRUSTER, P2 (Black)
#118	2-655-580-01	SCREW 0+P2 M1.4 NEWTRU-STAR (Black)

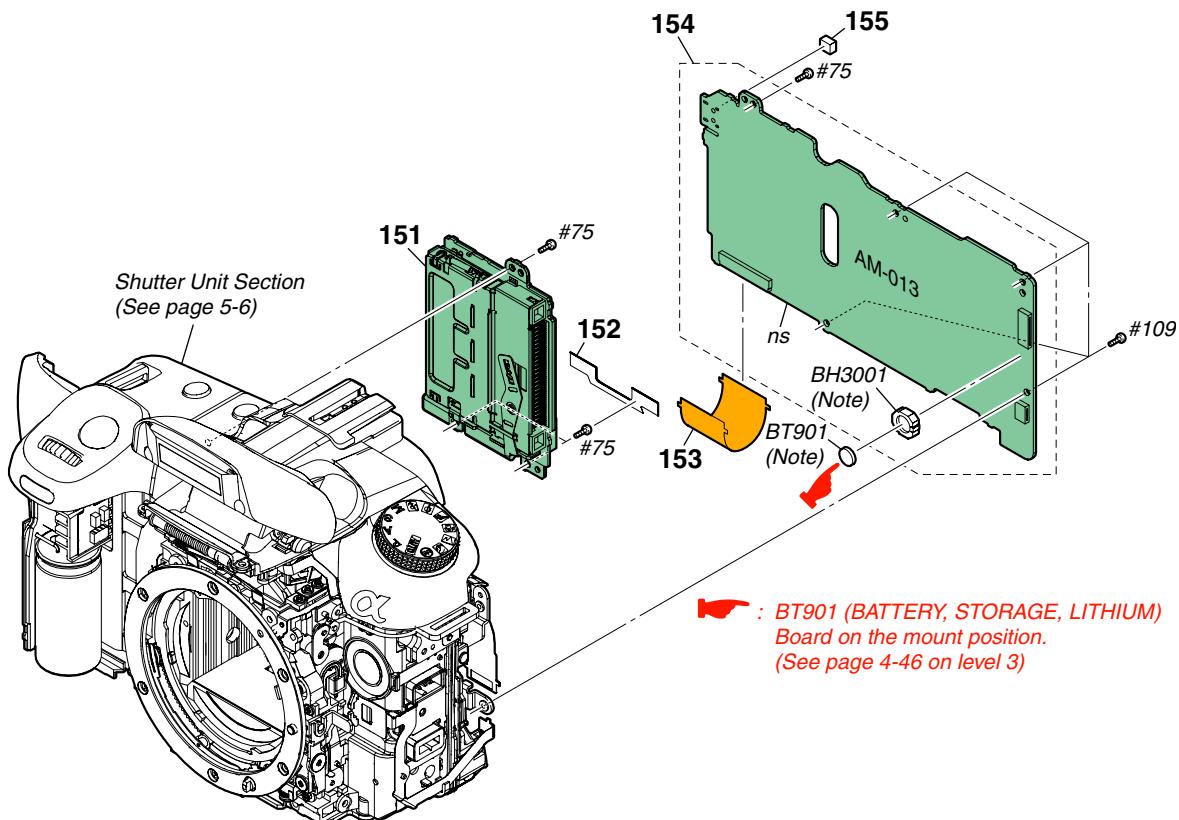
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-4. MAIN BOARD SECTION

ns: not supplied



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

注意
電池の交換は、正しく行わないと破裂する恐れがあります。電池を交換する場合には必ず同じ型名の電池又は同等品と交換してください。

Note: Replace the battery holder (BH3001) together when replacing the lithium battery (BT901) on the AM-013 board. (The battery holder removed once cannot be used again.) When mounting these parts, mount new battery holder first and attach new lithium battery next.

Note: AM-013基板のリチウム電池（BT901）を交換する場合はバッテリホルダ（BH3001）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、先にバッテリホルダを取り付けてからリチウム電池を装着してください。

• Refer to page 5-1 for mark ▲.

Ref. No.	Part No.	Description
151	A-1437-495-A	MM-076 BOARD, COMPLETE
* 152	3-290-170-01	PC BOARD ELECTROSTATIC SHEET
153	1-873-780-11	MM-078 FLEXIBLE BOARD
154	A-1466-492-A	AM-013 BOARD, COMPLETE (SERVICE)
* 155	3-282-823-01	JB LED SHADING SHEET

Ref. No.	Part No.	Description
▲ BH3001	1-756-615-41	HOLDER, BATTERY (Note)
▲ BT901	1-756-134-12	BATTERY, STORAGE, LITHIUM (Note)
#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)
#109	2-515-483-21	SCREW (M1.7), LOCK ACE, P2 (Black)

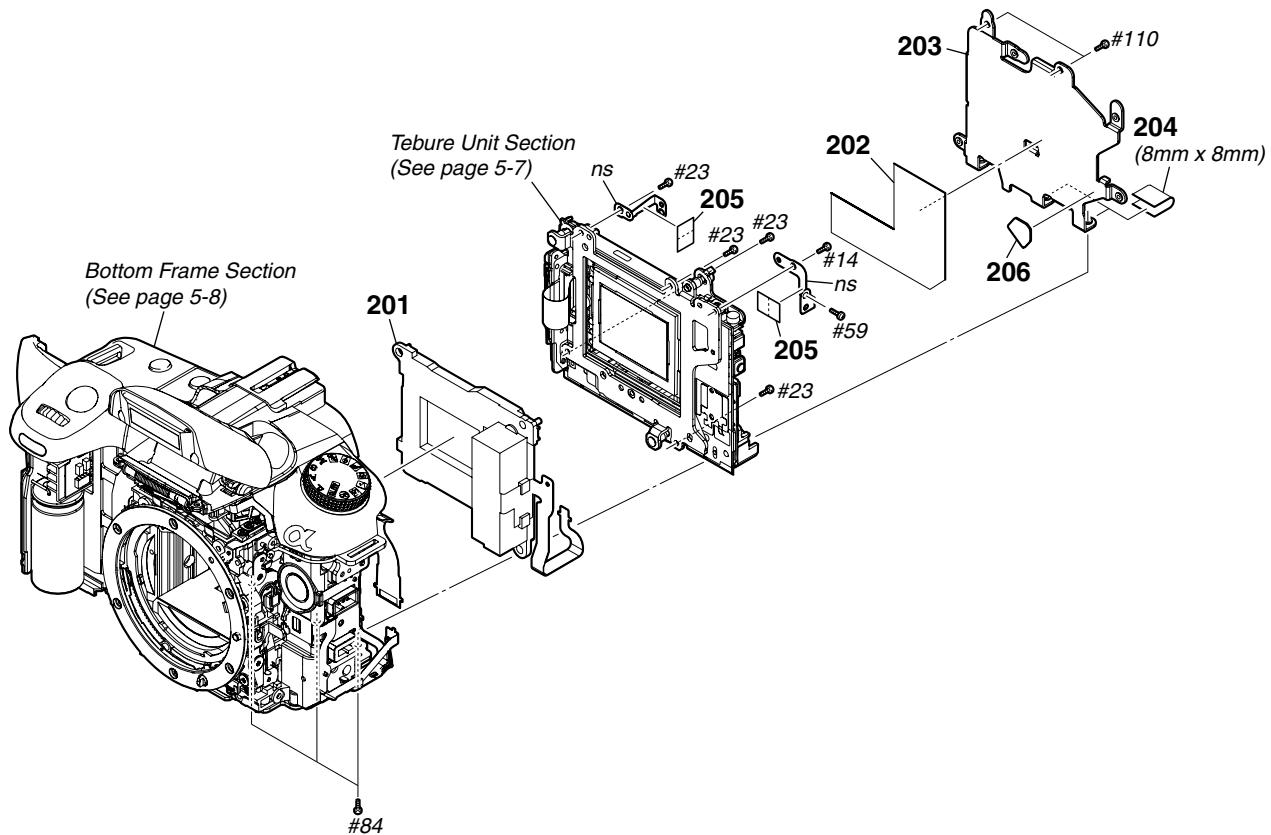
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-5. SHUTTER UNIT SECTION

ns: not supplied



CAUTION:

For the part of 204, cut WOVEN (T0.25), FABRIC NON (3-076-631-01) into the desired length and use it.

CAUTION:

204番は、T0.25ヒメロン(3-076-631-01)を切って使用。

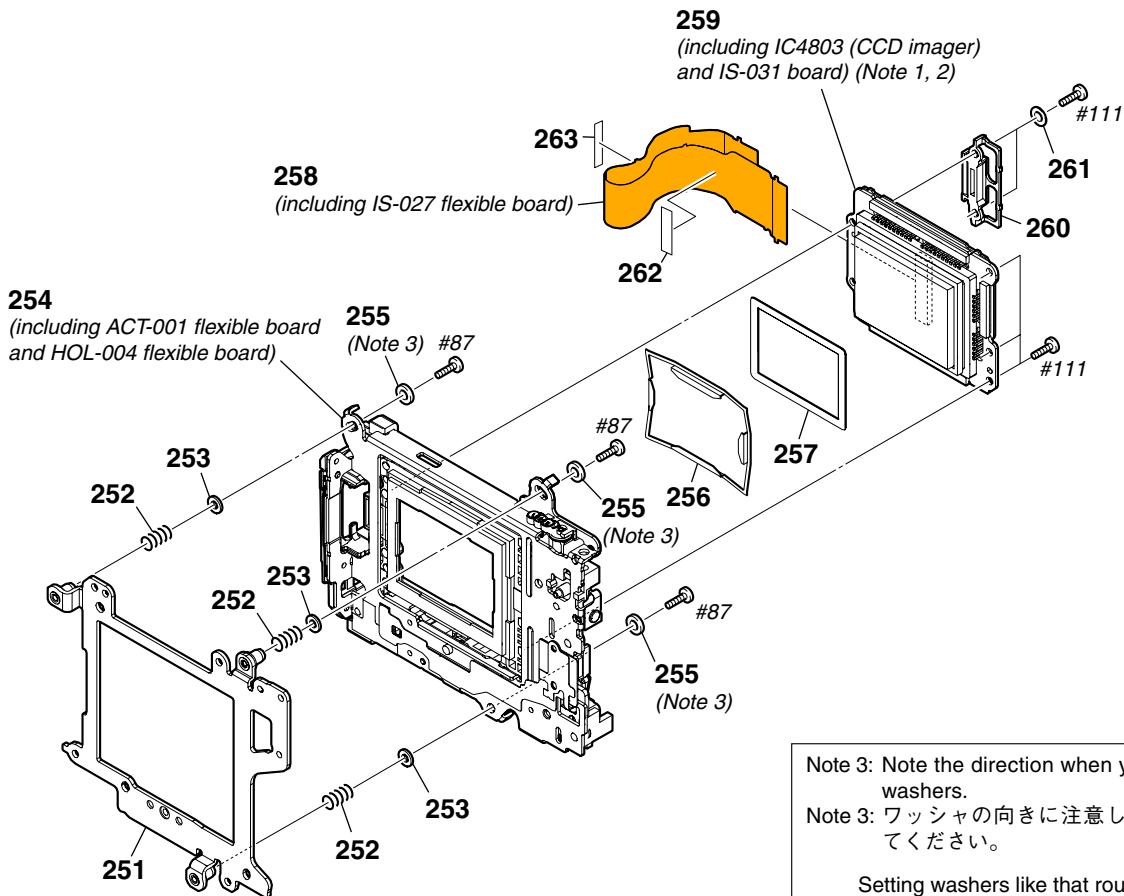
Ref. No.	Part No.	Description
201	1-480-486-11	SHUTTER UNIT
* 202	3-282-825-01	BD MAIN FRAME SHIELD SHEET
* 203	3-282-826-01	BD MAIN FRAME
204	CAUTION	BD VTN INSULATING TAPE
* 205	3-298-585-01	EM TEBURE PLATE SHIELD SHEET
* 206	3-269-906-01	CUSHION, BB

Ref. No.	Part No.	Description
#14	2-599-475-11	SCREW (M1.7) (Silver)
#23	3-080-204-11	SCREW, TAPPING, P2 (Black)
#59	3-080-205-21	SCREW, TAPPING, P2 (Silver)
#84	3-072-453-11	O PLATE +P2 MAIN M2EG GRIP (Silver)
#110	2-630-005-21	SCREW (M2), NEW TRUSTER, P2 (Black)

5. REPAIR PARTS LIST

HARDWARE LIST

5-1-6. TEBURE UNIT SECTION



Note 1: Be sure to read "Precautions for Replacement of Imager" on page 4-2 when changing the imager.

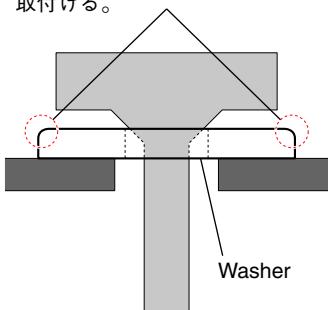
Note 1: イメージャの交換時は4-3ページの“イメージャ交換時の注意”を必ずお読みください。

Note 2: Refer to "2-11. CLEANING PROCEDURE OF OLPF" on page 2-23 for method of cleaning the OLPF.

Note 2: OLPFの清掃方法は2-23ページの“2-11. CLEANING PROCEDURE OF OLPF”を参照してください。

Note 3: Note the direction when you install washers.
Note 3: ワッシャの向きに注意して取付けてください。

Setting washers like that round chamfering is rear side.
R面取り部が上になるように取付ける。



Ref. No.	Part No.	Description
251	X-2179-727-1	UNIT, MAIN PLATE
252	2-693-427-01	ADJUSTMENT (SP), CCD AO
253	2-689-331-01	WASHER, AO ADJUSTMENT SHAFT
254	A-1376-336-A	SLIDER UNIT (FOR SERVICE) (including ACT-001 flexible board and HOL-004 flexible board)
255	3-292-847-01	WASHER (Note 3)
256	3-283-501-01	PLATE, LOWPASS, RETAINER
257	3-273-746-01	SHEET, LOWPASS FILTER MASK
258	A-1382-345-A	UNIT, IS FLEXIBLE (including IS-027 flexible board)

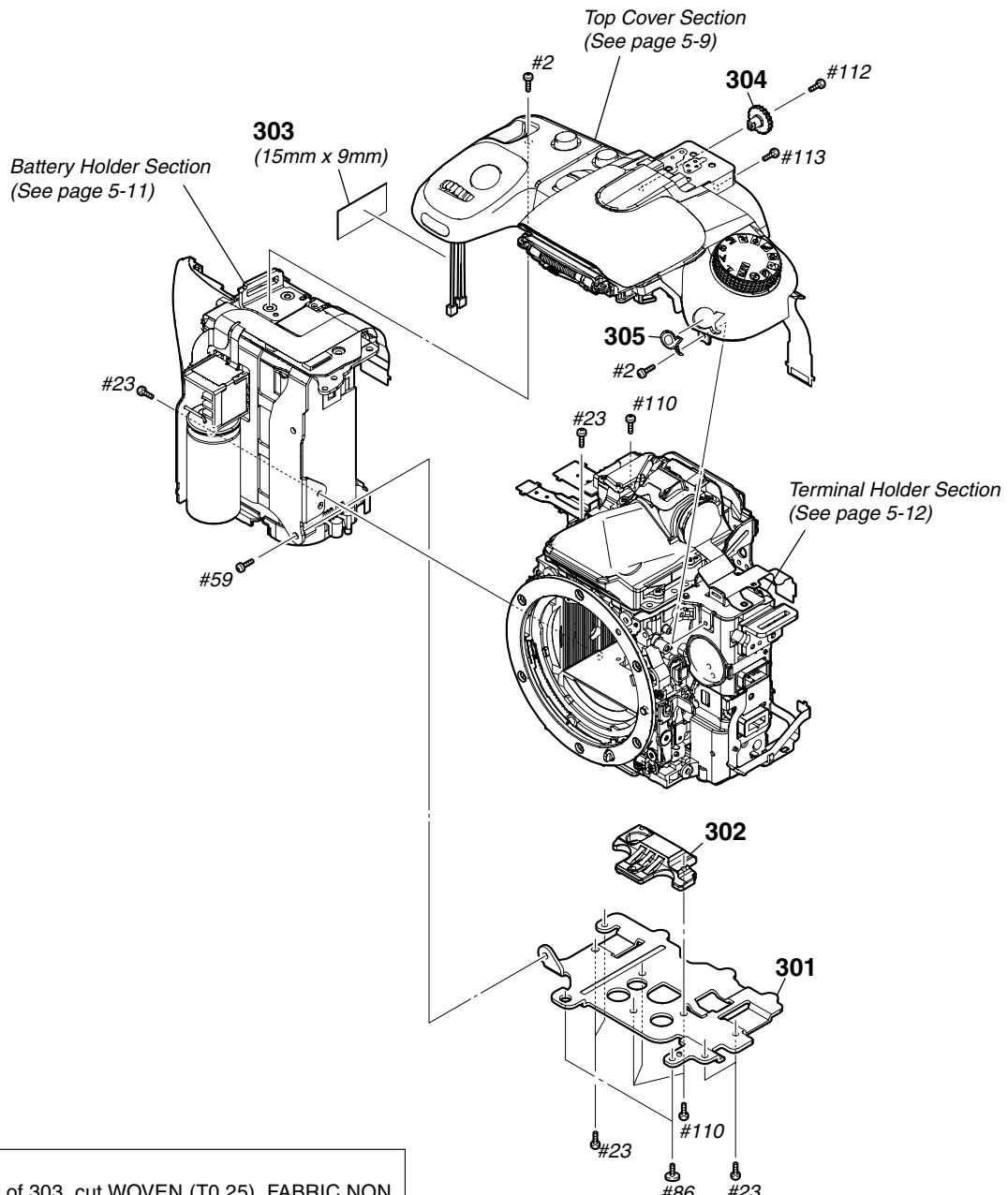
Ref. No.	Part No.	Description
259	A-1438-604-A	CCD ASSY 629 (including IC4803 (CCD imager) and IS-031 board) (Note 1, 2)
260	3-279-624-01	HOLDER, FPC
261	3-279-625-01	SPACER
* 262	3-283-511-01	TAPE, IS FPC FIX (SERVICE)
* 263	3-700-910-01	TAPE (C), IS FPC (SERVICE)
#87	2-689-328-01	SCREW, CCD AO ADJUSTMENT (Black)
#111	2-887-124-01	TAPPING SCREW 1.7 (Black)

5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-7. BOTTOM FRAME SECTION


CAUTION:

For the part of 303, cut WOVEN (T0.25), FABRIC NON (3-076-631-01) into the desired length and use it.

CAUTION:

303番は、T0.25ヒメロン(3-076-631-01)を切って使用。

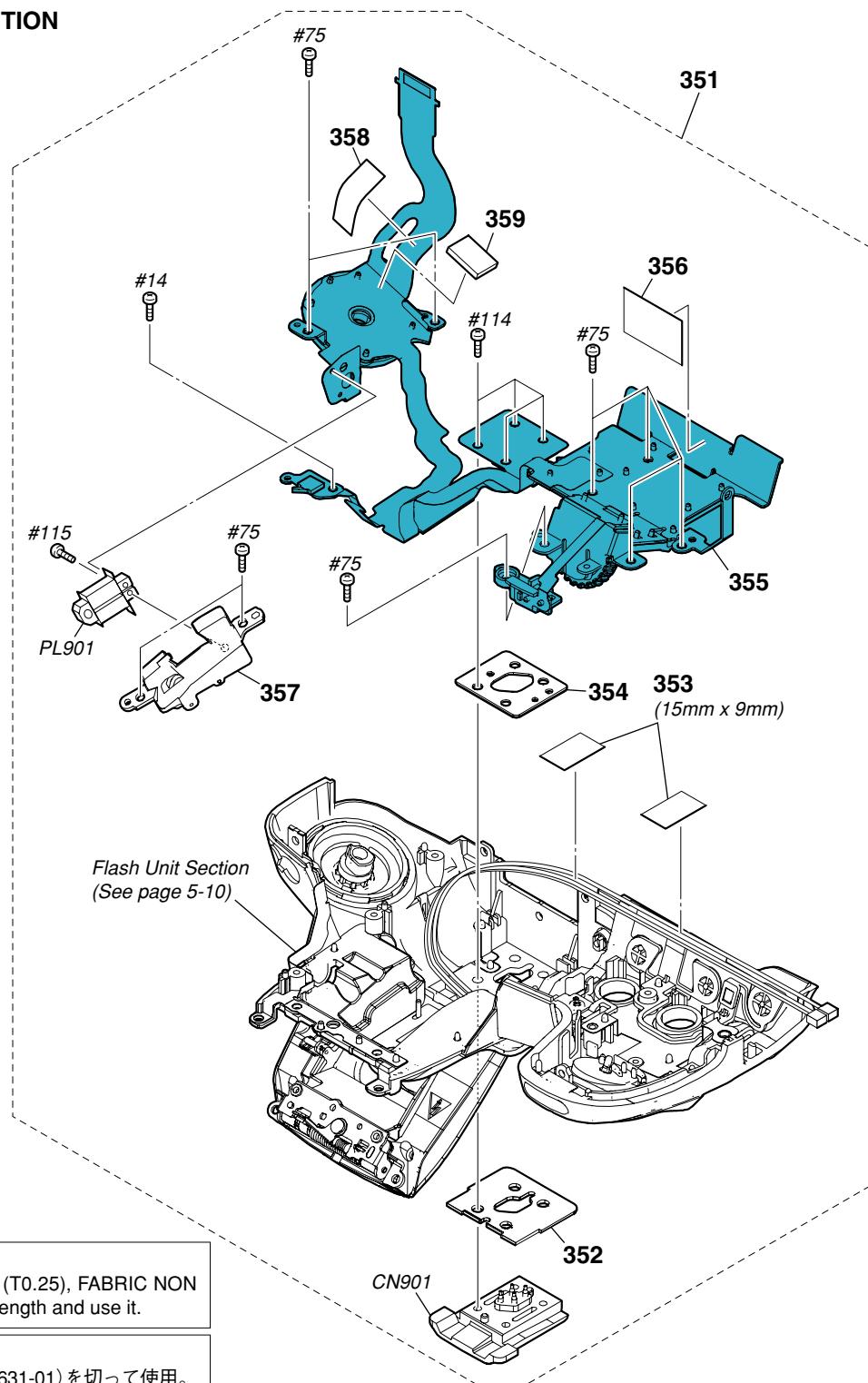
Ref. No.	Part No.	Description
* 301	3-282-818-01	BD BOTTOM FRAME
302	3-282-819-01	BD TRIPOD
303	CAUTION	TAPE (W)
304	3-282-741-01	VM DIOPTER ADJUST KNOB
305	3-282-742-01	LOGO EMBLEM
#2	2-635-562-31	SCREW (M1.7) (Black)

Ref. No.	Part No.	Description
#23	3-080-204-11	SCREW, TAPPING, P2 (Black)
#59	3-080-205-21	SCREW, TAPPING, P2 (Silver)
#86	2-695-434-21	SCREW (T1.7), HEAD PAN TAPPING (Silver)
#110	2-630-005-21	SCREW (M2), NEW TRUSTER, P2 (Black)
#112	2-178-410-11	TITE (UB TITE) 1.4 (Black)
#113	2-635-562-41	SCREW (M1.7) (Black)

5-1-8. TOP COVER SECTION

DISASSEMBLY

HARDWARE LIST



CAUTION:

For the part of 353, cut WOVEN (T0.25), FABRIC NON (3-076-631-01) into the desired length and use it.

CAUTION:

353番は、T0.25ヒメロン(3-076-631-01)を切って使用。

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
351	A-1466-223-A	TOP COVER BLOCK ASSY
* 352	3-282-828-01	ST SHOE BOARD
353	CAUTION	TAPE (W)
* 354	3-282-827-01	ST SHOE PLATE
355	1-480-471-11	SWITCH BLOCK, CONTROL (TK62700)
* 356	3-291-221-01	CV REAR FLEX INSULATING SHEET
357	X-2190-835-1	ST STROBOSCOPE LOCK ASSY
358	3-292-264-01	EM TK FLEXIBLE SPACER

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
* 359 CN901	3-282-751-01 X-2179-803-1	BD SIDE COVER (L) SHEET SHOE ASSY, ACCESSORY
PL901	1-455-061-11	SOLENOID, PLUNGER
#14	2-599-475-11	SCREW (M1.7) (Silver)
#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)
#114	2-698-464-01	TAPPING SCREW PHI 2 (Silver)
#115	3-348-998-51	SCREW (M1.4X3.5), TAPPING, PAN (Silver)

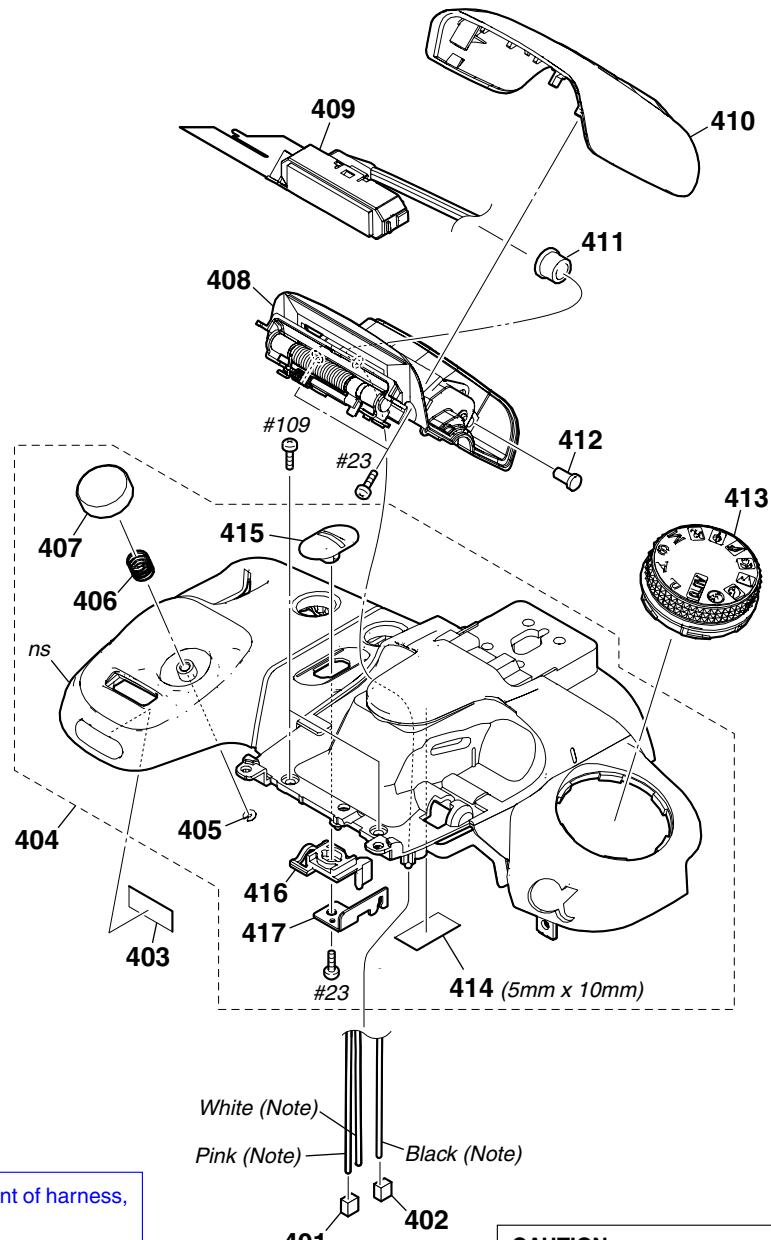
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-9. FLASH UNIT SECTION

ns: not supplied



Note: About the arrangement of harness,
refer to HELP 10.

Note: 配線についてはHELP10を参照し
てください。

CAUTION:
For the part of 414, cut SHEET, ADHESIVE (2-649-300-01) into the desired length and use it.

- Refer to page 5-1 for mark ▲.

CAUTION:
414番は、接着紙(2-649-300-01)を切って使用。

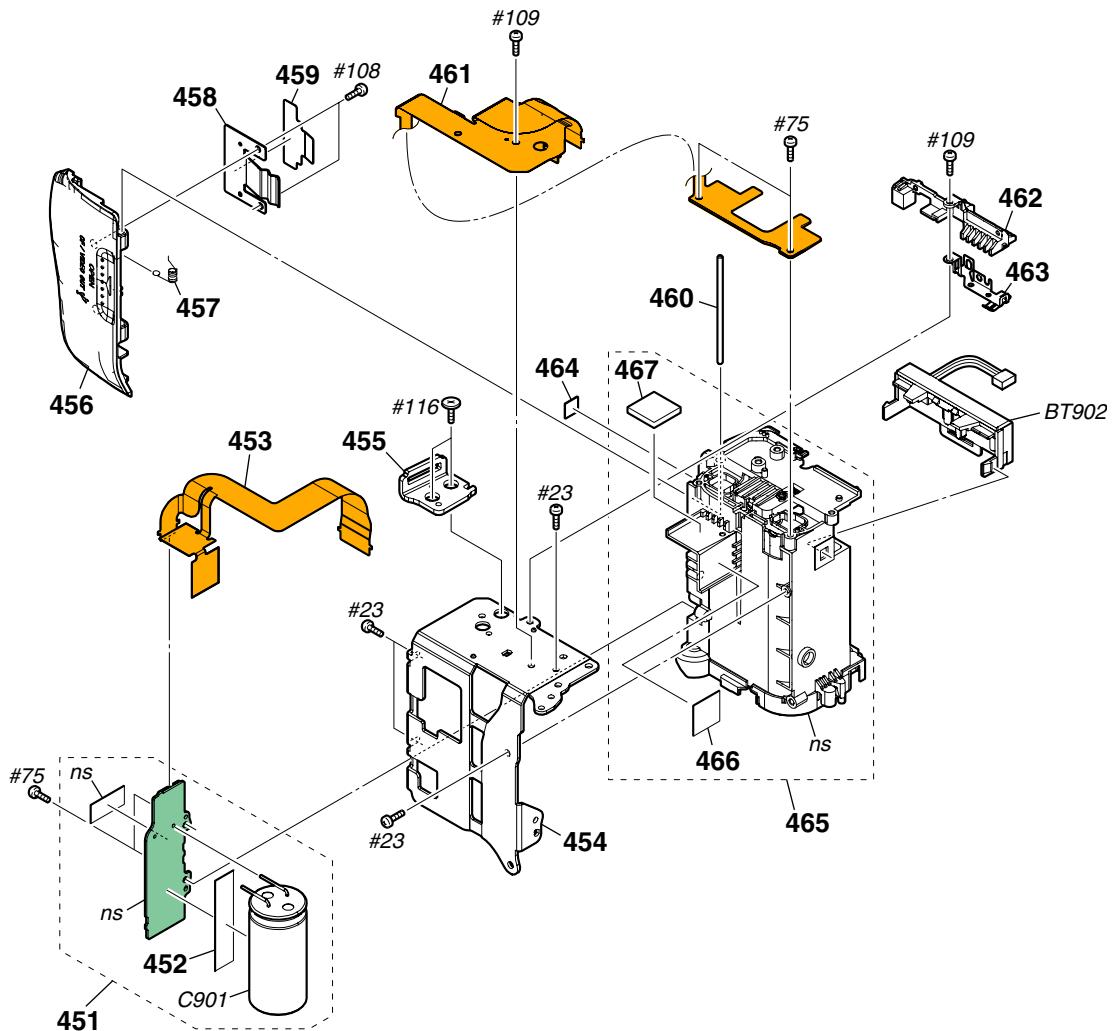
Ref. No.	Part No.	Description
401	1-820-649-11	HOUSING, CONNECTOR 2P (Red)
402	1-820-649-21	HOUSING, CONNECTOR 2P (Yellow)
* 403	3-287-595-01	CV SELF LED ELECTROSTATIC S
404	X-2188-568-2	CV TOP COVER 629 ASSY
405	2-629-790-01	WASHER, NYLON
* 406	3-282-839-01	CT RELEASE SPRING
407	3-282-838-01	CT RELEASE BUTTON
408	X-2187-844-2	ST STROBOSCOPE BASE ASSY
△409	1-480-409-11	FLASH UNIT (FL62700)
410	3-282-850-01	ST STROBOSCOPE COVER

Ref. No.	Part No.	Description
* 411	3-282-851-01	ST SLIDE SHAFT A
* 412	3-282-852-01	ST SLIDE SHAFT (B)
413	X-2187-843-1	CT MODE DIAL ASSY
414	CAUTION	CV FPC TAPE B
415	3-288-223-01	VM V KNOB
416	3-288-224-02	VM V KNOB RETAINER
417	3-288-225-01	VM V LEVER
#23	3-080-204-11	SCREW, TAPPING, P2 (Black)
#109	2-515-483-21	SCREW (M1.7), LOCK ACE, P2 (Black)

5. REPAIR PARTS LIST

5-1-10. BATTERY HOLDER SECTION

ns: not supplied



- Refer to page 5-1 for mark ▲.

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
451	A-1437-493-A	ST-196 BOARD, COMPLETE	* 463	3-282-911-01	EM MM PC BOARD PLATE
452	3-277-350-01	TAPE (62300), CAPACITOR FIXED	464	3-282-912-01	BD BATTERY HOLDER SHEET
453	A-1437-492-A	GY-008 FLEXIBLE BOARD, COMPLETE	465	X-2187-852-1	BD BATTERY HOLDER ASSY
* 454	3-282-908-01	BD GRIP FRAME	* 466	3-282-884-01	BD GY FLEXIBLE FIXED TAPE
455	3-282-909-01	BD EYELET (R)	* 467	3-282-885-01	BD GY SHOCK ABSORPTION SHEET
456	3-282-810-11	CV MEDIA LID	△ BT902	1-780-588-11	TERMINAL BOARD, BATTERY
* 457	3-282-814-01	CV MEDIA LID SPRING	△* C901	1-114-603-11	ELECT 250uF
* 458	3-282-812-01	CV LEAF SPRING, MEDIA LID	#23	3-080-204-11	SCREW, TAPPING, P2 (Black)
* 459	3-282-815-01	CV MEDIA LID LABEL	#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)
* 460	3-282-811-01	CV MEDIA LID SHAFT	#108	2-695-430-01	SCREW (T1.7), HEAD PAN TAPPING (Black)
461	A-1442-603-A	MA-450 FLEXIBLE BOARD, COMPLETE	#109	2-515-483-21	SCREW (M1.7), LOCK ACE, P2 (Black)
* 462	3-282-910-01	BD MM BOARD HOLDER	#116	2-695-435-01	SCREW (T2), HEAD PAN TAPPING (Silver)

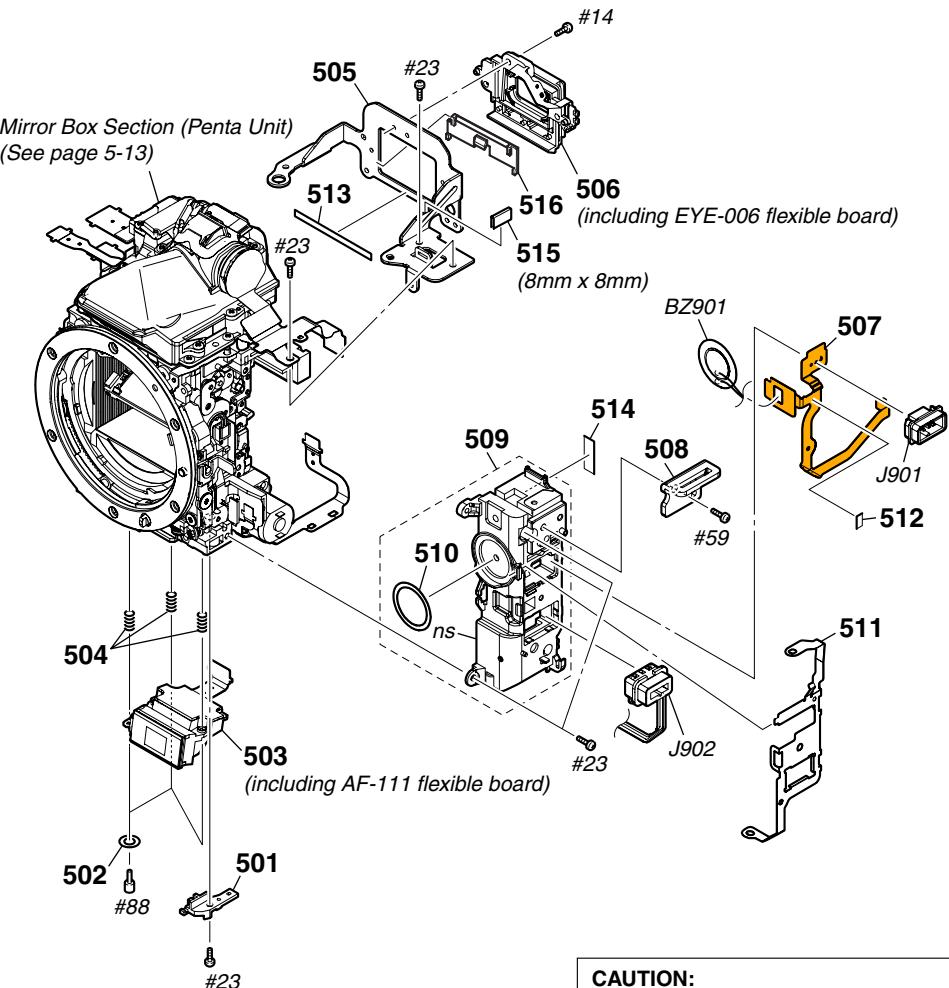
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-11. TERMINAL HOLDER SECTION

ns: not supplied



- Refer to page 5-1 for mark .

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
* 501	3-282-822-01	HOLDER, DCJ CABLE
502	2-688-865-01	WASHER, S ADJUSTMENT
503	A-1317-238-A	ALX-6270(AF MODULE) (including AF-111 flexible board)
504	2-693-420-01	SP, S ADJUSTMENT
* 505	3-282-817-01	BD EYE PIECE FRAME
506	A-1437-505-A	EYE PIECE FRAME UNIT (including EYE-006 flexible board)
507	A-1442-602-A	RM-096 FLEXIBLE BOARD, COMPLETE
508	3-282-883-01	BD EYELET (L)
* 509	X-2187-851-1	BD TERMINAL HOLDER ASSY
510	3-282-873-01	BD BUZZER TAPE
* 511	3-282-882-01	BD TERMINAL RETAINER PLATE

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
* 512	3-282-751-01	BD SIDE COVER (L) SHEET
* 513	3-398-188-01	BD LIGHT INTERCEPTION SPACER
* 514	3-298-583-01	BD TEBURE SPACER SHEET
515	CAUTION	BD VTN INSULATING TAPE
* 516	3-296-540-01	BD EYE PIECE GLASS RETAINER
BZ901	1-826-816-11	BUZZER, PIEZOELECTRIC
J901	1-480-041-11	REMOTE HOLDER (REMOTE)
△J902	1-821-194-21	JACK, DC (DC IN)
#14	2-599-475-11	SCREW (M1.7) (Silver)
#23	3-080-204-11	SCREW, TAPPING, P2 (Black)
#59	3-080-205-21	SCREW, TAPPING, P2 (Silver)
#88	2-689-015-01	SCREW, S ADJUSTMENT (Silver)

CAUTION:
For the part of 515, cut WOVEN (T0.25), FABRIC NON
(3-076-631-01) into the desired length and use it.

CAUTION:
515番は、T0.25ヒメロン(3-076-631-01)を切って使用。

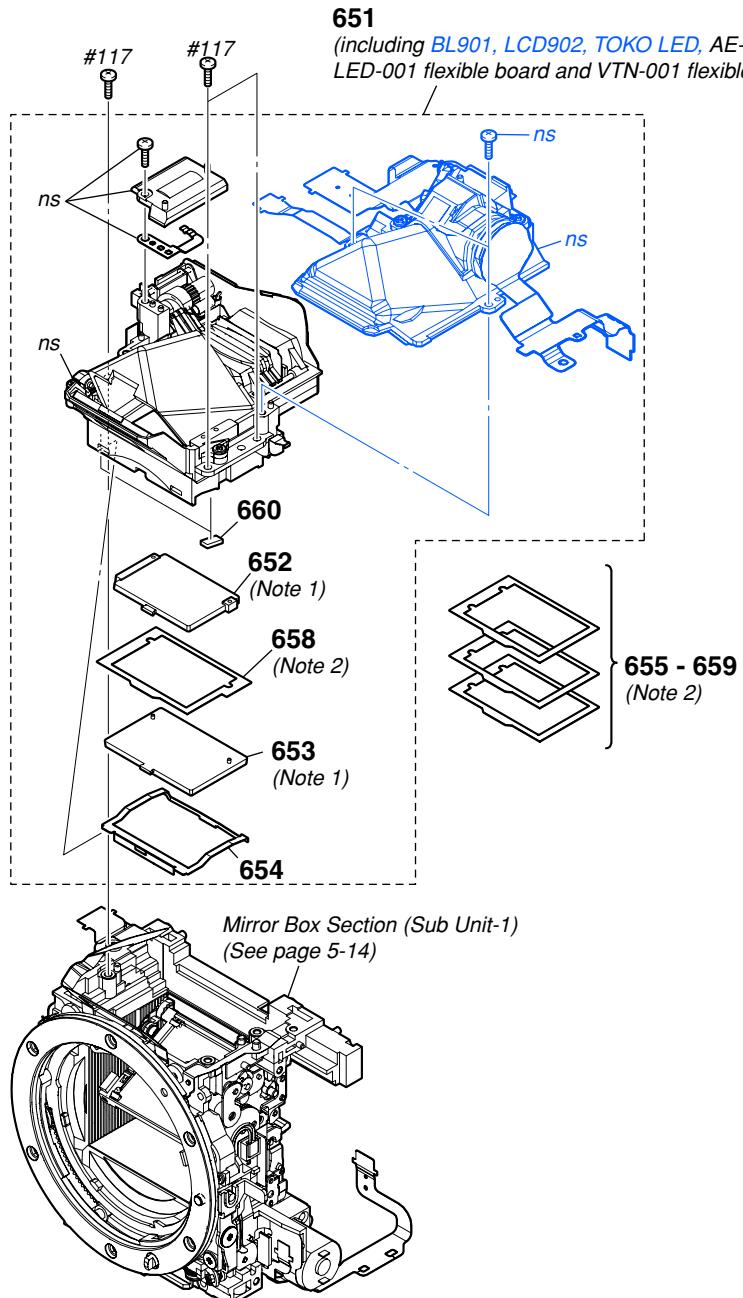
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-12. MIRROR BOX SECTION (PENTA UNIT)

ns: not supplied



Ref. No.	Part No.	Description
651	A-1528-267-A	VTN PENTA BLOCK ASSY (including BL901, LCD902, TOKO LED, AE-032 flexible board, IFL-003 flexible board, LED-001 flexible board and VTN-001 flexible board) (Note 3)
652	A-1498-933-A	SI SCREEN (SERVICE) (Note 1)
653	A-1510-533-A	FORCUS PLATE (SERVICE) (Note 1)
654	3-279-665-01	VM FS RETAINER
655	2-689-369-01	SPACER (A), VB (T=0.05mm) (Note 2)

Ref. No.	Part No.	Description
656	2-689-370-01	SPACER (B), VB (T=0.1mm) (Note 2)
657	2-689-371-01	SPACER (C), VB (T=0.15mm) (Note 2)
658	2-689-372-01	SPACER (D), VB (T=0.2mm) (Note 2)
* 659	3-700-972-01	SPACER (E), VB (T=0.25mm) (Note 2)
660	3-279-666-01	CUSHION, MAIN MIRROR
#117	2-695-429-31	SCREW (T1.7), HEAD PAN TAPPING (Silver)

Note 1: Refer to page 1-2 "1-5. METHOD OF EXCHANGING SI SCREEN AND FOCUS PLATE" when SI screen or focus plate are exchanged.

Note 1: SIスクリーンまたは焦点板を交換する際は、1-5ページの「1-5. SIスクリーン、焦点板の交換方法」を参照してください。

Note 2: These are spacers use to adjust thickness when Viewfinder Back Adjustment is done.
Adjusting Item: "Viewfinder Back Adj."

Note 2: ビューファインダーバック調整を行う際、厚さ調整のために使用するスペーサです。
調整項目：「Viewfinder Back Adj.」

Note 3: Refer to page 2-24 "2-12. CLEANING PROCEDURE OF VIEWFINDER" for method of cleaning the viewfinder.

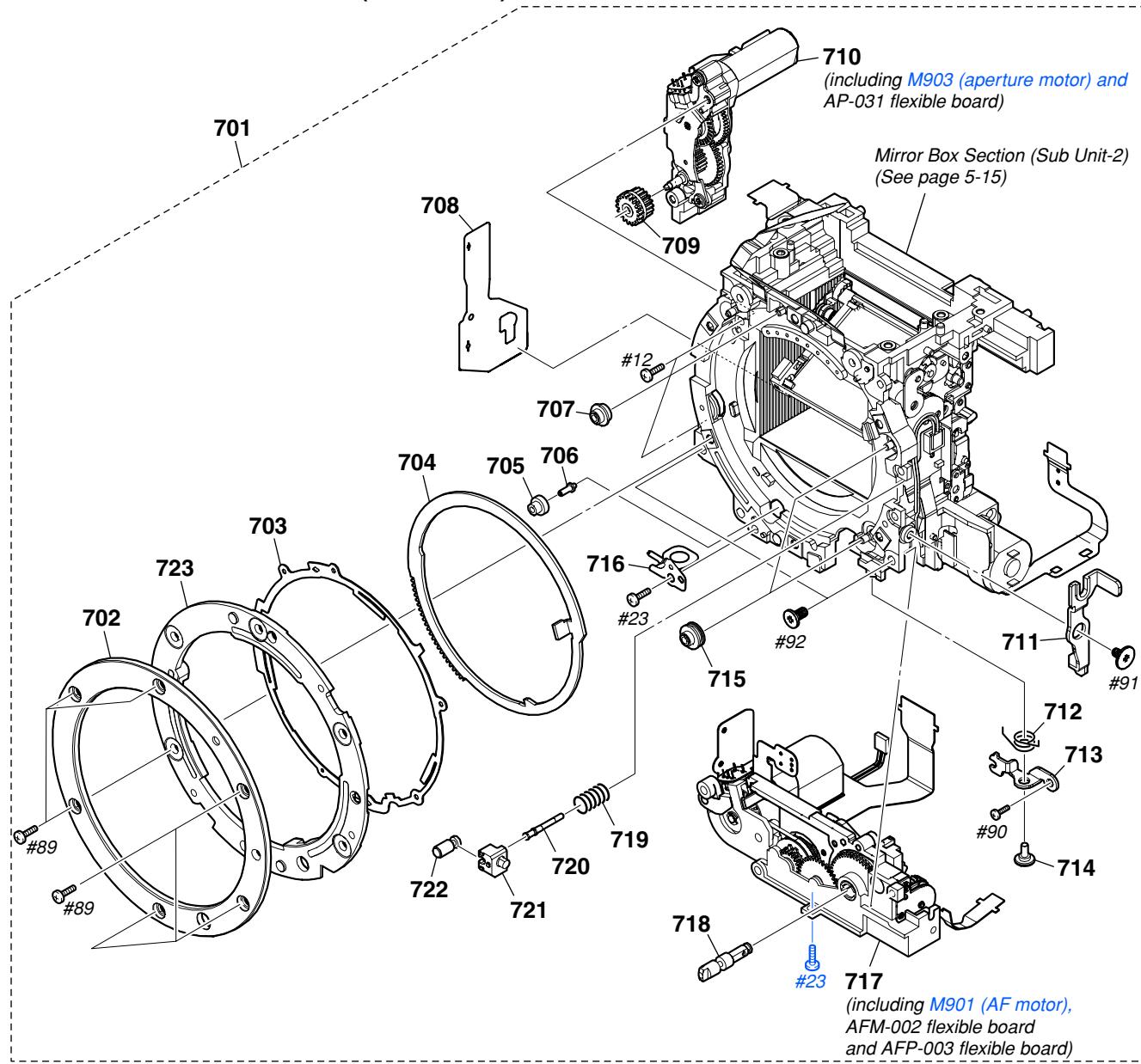
Note 3: ビューファインダーの清掃方法は、2-24ページの「2-12. CLEANING PROCEDURE OF VIEWFINDER」を参照してください。

5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-13. MIRROR BOX SECTION (SUB UNIT-1)



Ref. No.	Part No.	Description
701	A-1382-393-A	SUB BLOCK ASSY, MIRROR BOX
702	2-689-021-01	MOUNT, H
703	2-689-198-01	RING (SP)
704	2-689-312-01	RING, IRIS
705	3-277-916-01	ROLLER (C), RING
706	3-268-951-01	SHAFT, RING ROLLER (C)
707	2-689-314-01	ROLLER (B), RING
* 708	3-268-957-01	SCHEET, IRIS FPC PROTECTION
709	2-689-306-01	GEAR, IRIS JOINT
710	A-1317-689-A	APERTURE UNIT (including M903 (aperture motor) and AP-031 flexible board)
711	3-268-940-01	LEVER, COUPLER
712	3-268-941-01	SP, COUPLER LEVER TENSION
713	3-268-942-01	LEVER, COUPLER JOINT
714	2-689-289-01	SHAFT, COUPLER LEVER
715	2-689-313-01	ROLLER (A), RING

Ref. No.	Part No.	Description
* 716	3-279-645-01	PLATE (LOWER), H MOUNT LUG
717	A-1382-446-A	AF DRIVING UNIT (including M901 (AF motor), AFM-002 flexible board and AFP-003 flexible board)
718	X-2179-722-1	AF COUPLER ASSY
719	3-268-945-01	SP, LENS LOCK
720	3-268-943-01	PIN, LENS LOCK
721	3-268-944-01	HOLDER, LENS LOCK PIN
722	3-268-956-01	PIN, LENS LOCK GUIDE
723	2-688-792-01	SPACER, MOUNT
#12	3-080-204-21	SCREW, TAPPING, P2 (Black)
#23	3-080-204-11	SCREW, TAPPING, P2 (Black)
#89	2-695-575-01	SCREW (T2), +P1 PAN TAPPING (Silver)
#90	3-271-395-01	SCREW (M1.7), LEVER ADJUSTMENT (Silver)
#91	2-695-434-11	SCREW (T1.7), HEAD PAN TAPPING (Silver)
#92	3-268-954-01	SCREW, AF BASE PLATE STOPPER (Black)

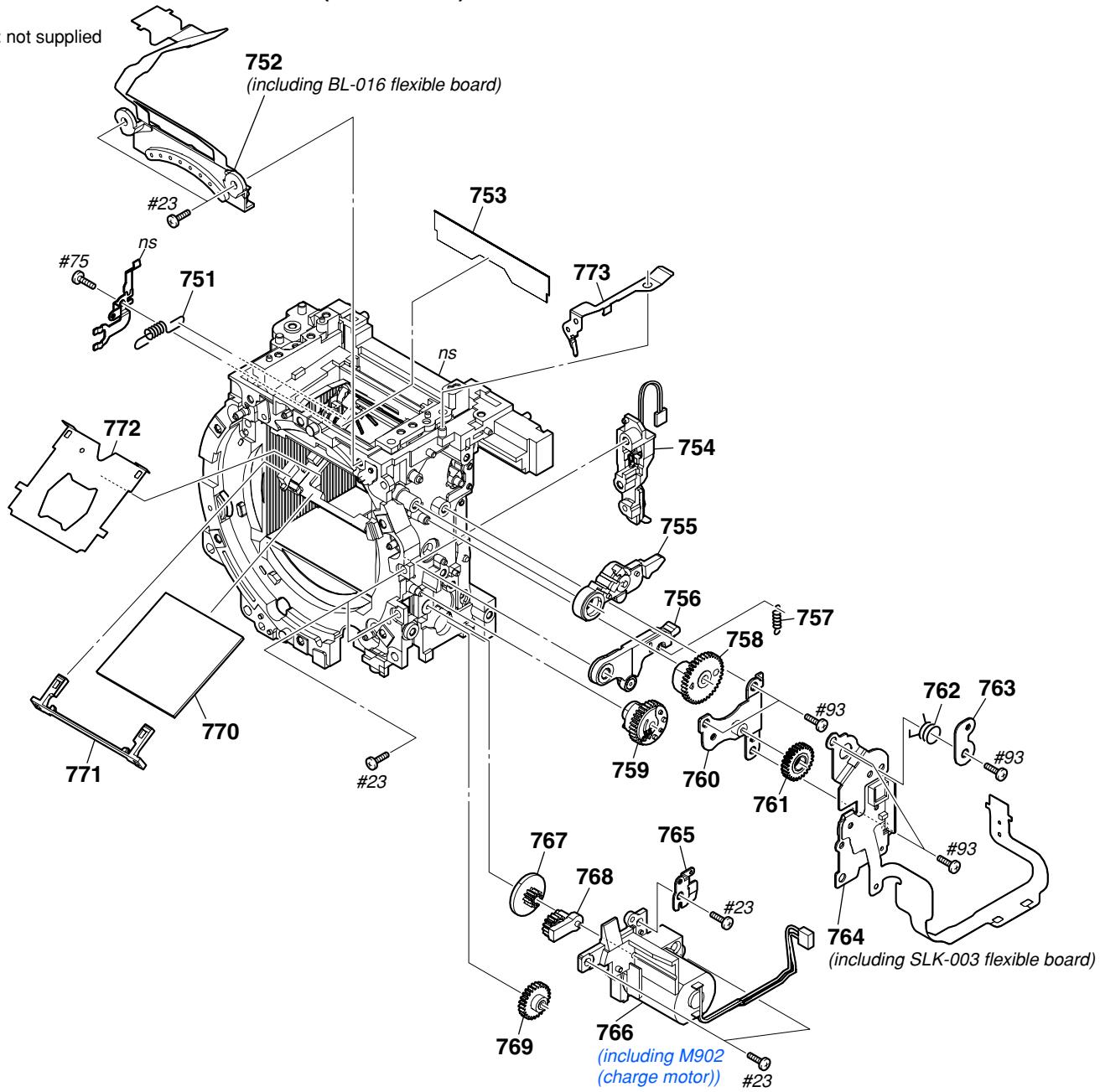
5. REPAIR PARTS LIST

DISASSEMBLY

HARDWARE LIST

5-1-14. MIRROR BOX SECTION (SUB UNIT-2)

ns: not supplied



Ref. No.	Part No.	Description
751	3-268-935-01	SP, SUB MIRROR FUNCTION
752	A-1382-459-A	BL CONTACT HOLDER UNIT (including BL-016 flexible board)
753	3-279-649-01	SHEET, BL DUST PROTECT
754	A-1317-687-A	SLLK BASE PLATE UNIT
755	X-2179-717-1	MIRROR CHARGE LEVER ASSY
756	3-279-648-01	LEVER, SHUTTER CHARGE
757	3-268-931-01	SP, SHUTTER CHARGE LEVER
758	3-268-928-02	GEAR, MIRROR CHARGE CAM
759	X-2179-720-2	SHUTTER CAM GEAR ASSY
760	X-2179-719-1	CHARGE BASE PLATE C ASSY
761	3-268-927-02	GEAR, IDLE
762	3-268-929-01	DRIVING (SP), MIRROR
763	3-268-930-01	RETAINER, MIRROR DRIVING (SP)
764	X-2187-459-1	CHARGE BASE PLATE B ASSY (including SLK-003 flexible board)

Ref. No.	Part No.	Description
765	3-268-937-01	RETAINER, ADJUSTMENT PLATE
766	A-1382-460-A	CHARGE BASE PLATE A UNIT (including M902 (charge motor))
767	3-279-642-01	GEAR, DECELERATION
768	X-2187-400-1	PLANET GEAR ASSY (6230)
769	3-268-926-11	GEAR, SUN
770	3-269-005-01	MAIN MIRROR
771	3-279-657-03	RETAINER, MAIN MIRROR
772	3-279-655-01	PLATE, AF MASK
* 773	3-279-644-01	PLATE (UPPER), H MOUNT LUG
#23	3-080-204-11	SCREW, TAPPING, P2 (Black)
#75	2-666-551-01	SCREW, TAPPING, P2 (Silver)
#93	3-254-082-01	SCREW (Silver)

Electrical parts list of the AM-013 board is
not shown.
Pages 5-16 to 5-22 are not shown.

5-2. ELECTRICAL PARTS LIST

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>									
	A-1437-492-A	GY-008 FLEXIBLE BOARD, COMPLETE									

< CAPACITOR >											
C6201	1-165-875-11	CERAMIC CHIP	10uF	10%	10V						
C6202	1-165-875-11	CERAMIC CHIP	10uF	10%	10V						
C6203	1-165-875-11	CERAMIC CHIP	10uF	10%	10V						
C6204	1-165-875-11	CERAMIC CHIP	10uF	10%	10V						
< SENSOR >											
SE6201	1-480-049-31	SENSOR, ANGULAR VELOCITY (PITCH)									
SE6202	1-480-049-31	SENSOR, ANGULAR VELOCITY (YAW)									

A-1438-604-A	CCD ASSY 629 (Note) (Not supplied)		IS-031 BOARD, COMPLETE	*****							
(IS-031 complete board and all mounted parts (including IC4803 (CCD imager) are not supplied, but they are included in CCD assy 629.)											

A-1541-126-A	LF-057 FLEXIBLE BOARD, COMPLETE		*****	*****							
< CAPACITOR >											
C9451	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V						
C9452	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V						
C9453	1-112-021-91	CERAMIC CHIP	2.2uF	20%	16V						
C9454	1-114-098-91	CERAMIC CHIP	2.2uF	20%	25V						
C9455	1-100-743-91	CERAMIC CHIP	2.2uF	20%	16V						
* C9456	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V						
* C9457	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V						
* C9458	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V						
C9459	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V						
C9460	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V						
C9461	1-100-967-91	CERAMIC CHIP	4.7uF	20%	25V						
C9462	1-100-967-91	CERAMIC CHIP	4.7uF	20%	25V						
C9463	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V						
C9464	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V						
< CONNECTOR >											
* CN9451	1-821-202-71	CONNECTOR, FPC (ZIF) 45P									
< RESISTOR >											
R9458	1-216-864-11	SHORT CHIP	0								

A-1442-603-A	MA-450 FLEXIBLE BOARD, COMPLETE		*****	*****							
< CONNECTOR >											
* CN5902	1-816-643-51	FFC/FPC CONNECTOR (LIF) 10P									
* CN5903	1-816-647-51	FFC/FPC CONNECTOR (LIF) 18P									
* CN5904	1-816-645-51	FFC/FPC CONNECTOR (LIF) 14P									

• Refer to page 5-1 for mark ▲.

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>									
	A-1437-495-A	MM-076 BOARD, COMPLETE									

< CAPACITOR >											
C5202	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V						
C5203	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V						
C5205	1-165-908-11	CERAMIC CHIP	1uF	10%	10V						
< CONNECTOR >											
* CN5201	1-820-857-71	CONNECTOR, FPC (ZIF) 51P									
CN5202	1-818-139-11	PIN, CONNECTOR (CF CARD) (COMPACTFLASH/MICRODRIVE)									
* CN5203	1-821-457-11	CONNECTOR, CARD (COMPACTFLASH) (CF CARD EJECT LEVER)									
< RESISTOR >											
R5244	1-218-977-11	RES-CHIP	100K	5%	1/16W						
R5246	1-218-977-11	RES-CHIP	100K	5%	1/16W						
< COMPOSITION CIRCUIT BLOCK >											
RB5201	1-234-372-11	RES, NETWORK	100 (1005X4)								
RB5202	1-234-372-11	RES, NETWORK	100 (1005X4)								
RB5203	1-234-372-11	RES, NETWORK	100 (1005X4)								
RB5204	1-234-372-11	RES, NETWORK	100 (1005X4)								
RB5205	1-234-372-11	RES, NETWORK	100 (1005X4)								

A-1442-602-A	RM-096 FLEXIBLE BOARD, COMPLETE		*****	*****							
< CAPACITOR >											
C8601	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V						
C8602	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V						
< LINE FILTER >											
LF8601	1-457-088-21	COIL, COMMON MORD CHOKE									

A-1437-493-A	ST-196 BOARD, COMPLETE		*****	*****							
3-277-350-01 TAPE (62300), CAPACITOR FIXED											
< CAPACITOR >											
▲* C901	1-114-603-11	ELECT	250uF								
C6501	1-119-667-11	CERAMIC CHIP	22uF								
C6502	1-100-611-91	CERAMIC CHIP	22uF	20%	6.3V						
C6504	1-162-919-11	CERAMIC CHIP	22PF	5%	50V						
C6506	1-165-908-11	CERAMIC CHIP	1uF	10%	10V						
C6507	1-164-360-11	CERAMIC CHIP	0.1uF								
16V											

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

Note: イメージャの交換時は4-3ページの“イメージャ交換時の注意”を必ずお読みください。

Ref. No. Part No. Description

< CONNECTOR >

* CN6501 1-816-644-51 FFC/FPC CONNECTOR (LIF) 12P
 * CN6503 1-821-666-11 PIN, CONNECTOR
 * CN6504 1-821-666-21 PIN, CONNECTOR

< DIODE >

△* D6501 6-502-219-01 DIODE FV02R80TP
 △ D6502 6-501-119-01 DIODE RR264M-400

< IC >

△* IC6501 6-711-948-01 IC BD4216NUV-E2

< TRANSISTOR >

△* Q6501 6-551-937-01 TRANSISTOR TIG032TS-S-TL-E

< RESISTOR >

* R6501	1-246-338-21	METAL CHIP	3M		1/8W
R6502	1-218-881-11	METAL CHIP	27K	0.5%	1/10W
R6506	1-216-807-11	METAL CHIP	68	5%	1/10W
R6507	1-216-857-11	METAL CHIP	1M	5%	1/10W
R6510	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6513	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6514	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6516	1-216-845-11	METAL CHIP	100K	5%	1/10W

< TRANSFORMER >

△* T6501 1-445-335-11 TRANSFORMER, D.C.-D.C.CONVERTER

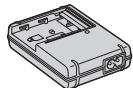
• Refer to page 5-1 for mark △.

Ver. 1.8 2009.06

The changed portions from Ver. 1.7 are shown in blue.

Checking supplied accessories.

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



Battery Charger
BC-VM10

△ 1-479-742-21 (US, CND)
△ 1-479-742-41
(EXCEPT US, CND)



Power Cord
△ 1-555-074-91 (AUS)
△ 1-790-107-61 (US, CND)
△ 1-792-549-41 (JE, J)
△ 1-824-910-71 (AEP, E)
△ 1-827-269-12 (UK, HK)
△ 1-832-121-31 (CH)
△ 1-833-892-21 (KR)
△ 1-834-482-21 (TH)



Conversion (2P) Adaptor
△ 1-569-008-12 (E)



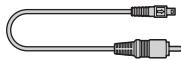
Conversion (2P) Adaptor
△ 1-569-007-12 (JE)



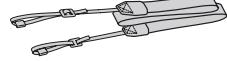
Rechargeable Battery Pack
NP-FM500H
(Note)



USB Cable
1-834-311-21



Video Cable
1-834-312-11



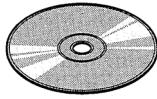
Shoulder Strap
3-282-907-03



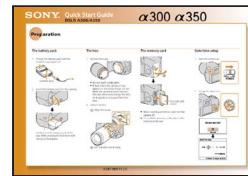
Eyepiece Cover
3-273-458-01



Eyecup
X-2187-839-2



CD-ROM
(Application Software for α Camera)
3-277-944-01



Quick Start Guide

4-105-172-01 (JAPANESE) (J)
3-287-968-11 (ENGLISH) (EXCEPT CH, KR, J)
3-287-968-21 (FRENCH, ITALIAN) (CND, AEP)
3-287-968-31 (SPANISH, PORTUGUESE) (AEP, E, JE)
3-287-968-41 (GERMAN, DUTCH) (AEP)
3-287-968-51 (TRADITIONAL CHINESE, SIMPLIFIED CHINESE) (E, HK, JE)
3-287-968-61 (RUSSIAN) (AEP)
3-287-968-71 (ARABIC, PERSIAN) (E)
3-287-968-81 (KOREAN) (KR, JE)
3-287-968-91 (SIMPLIFIED CHINESE) (CH)



Instruction Manual

4-105-173-01 (JAPANESE) (J)
3-287-969-11 (ENGLISH) (EXCEPT CH, KR, J)
3-287-969-21 (FRENCH, ITALIAN) (CND, AEP)
3-287-969-31 (SPANISH, PORTUGUESE) (AEP, E, JE)
3-287-969-41 (GERMAN, DUTCH) (AEP)
3-287-969-51 (TRADITIONAL CHINESE, SIMPLIFIED CHINESE) (E, HK, JE)
3-287-969-61 (RUSSIAN) (AEP)
3-287-969-71 (ARABIC, PERSIAN) (E)
3-287-969-81 (KOREAN) (KR, JE)
3-287-969-93 (SIMPLIFIED CHINESE) (CH)

Body Cap Seal
2-894-387-01



Body Cap
2-688-728-02

• Refer to page 5-1 for mark △.

DSLR-A350

SONY®

LEVEL 2

SERVICE MANUAL

Ver. 1.2 2008.05

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

SUPPLEMENT-1

File this supplement with the service manual.
(DI08-055)

- Addition of Champagne Gold Model

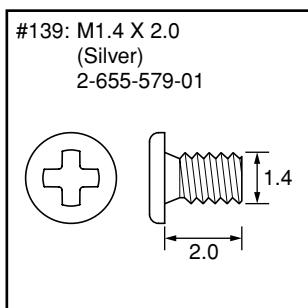
Champagne Gold Model was added at DSLR-A350.
This supplement covers only differences from models other than Black.
Refer to the parts list of original service manual about other parts.

5. REPAIR PARTS LIST

5-1. EXPLODED VIEWS

Page	Black Model			Champagne Gold Model		
	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
5-2	3	X-2187-837-1	BD BATTERY CASE LID ASSY	3	X-2318-493-1	BD BATTERY CASE LID ASSY 628N
	* 6	3-282-749-02	BD SIDE COVER (L)	6	3-282-749-11	BD SIDE COVER (L)
	7	3-282-750-01	BD DC•REMOTE LID	7	3-282-750-11	BD DC•REMOTE LID
	#2	2-635-562-31	SCREW (M1.7) (Black)	#10	2-599-475-31	SCREW (M1.7) (Silver)
	#23	3-080-204-11	SCREW, TAPPING, P2 (Black)	#76	2-666-551-11	SCREW, TAPPING, P2 (Silver)
5-3	52	X-2188-561-1	CV FRONT COVER ASSY 629	52	X-2319-012-1	CV FRONT COVER ASSY 629N
	56	3-282-783-01	CT FOCUS SELECTION KNOB	56	3-282-783-11	CT FOCUS SELECTION KNOB
5-4	105	1-480-473-11	SWITCH BLOCK, CONTROL (RS62700)	105	1-480-473-21	SWITCH BLOCK, CONTROL (RS62700)
	106	X-2188-562-2	CV REAR COVER ASSY 629	106	X-2318-497-1	CV REAR COVER ASSY 628N
	107	3-282-804-01	CT MAIN SW KNOB	107	3-282-804-11	CT MAIN SW KNOB
	111	3-288-197-01	CV HINGE COVER (R)	111	3-288-197-11	CV HINGE COVER (R)
	113	3-288-198-01	CV HINGE COVER (L)	113	3-288-198-11	CV HINGE COVER (L)
	115	X-2188-815-1	CV LCD LOWER COVER ASSY	115	X-2318-498-1	CV LCD LOWER COVER ASSY 628N
	119	X-2188-564-1	CV LCD UPPER COVER ASSY	119	X-2318-499-1	CV LCD UPPER COVER ASSY 628N
	#118	2-655-580-01	SCREW 0+P2 M1.4 NEWTRU-STAR (Black)	#139	2-655-579-01	SCREW 0+P2 M1.4 NEWTRU-STAR (Silver)
	305	3-282-742-01	LOGO EMBLEM	305	3-282-742-11	LOGO EMBLEM
	#2	2-635-562-31	SCREW (M1.7) (Black)	#10	2-599-475-31	SCREW (M1.7) (Silver)
5-8	#113	2-635-562-41	SCREW (M1.7) (Black)	#70	2-599-475-41	SCREW (M1.7) (Silver)
	351	A-1466-223-A	TOP COVER BLOCK ASSY	351	A-1552-662-A	TOP COVER BLOCK ASSY 629N
5-9	355	1-480-471-11	SWITCH BLOCK, CONTROL (TK62700)	355	1-480-471-21	SWITCH BLOCK, CONTROL (TK62700)
	404	X-2188-568-2	CV TOP COVER 629 ASSY	404	X-2319-011-1	CV TOP COVER ASSY 629N
5-10	407	3-282-838-01	CT RELEASE BUTTON	407	3-282-838-11	CT RELEASE BUTTON
	410	3-282-850-01	ST STROBOSCOPE COVER	410	3-282-850-11	ST STROBOSCOPE COVER
	413	X-2187-843-1	CT MODE DIAL ASSY	413	X-2318-495-1	CT MODE DIAL ASSY 628N
	415	3-288-223-01	VM V KNOB	415	3-288-223-11	VM V KNOB
	456	3-282-810-11	CV MEDIA LID	456	3-282-810-21	CV MEDIA LID

HARDWARE LIST (7/7)



DSLR-A350

SONY®

LEVEL 2

SERVICE MANUAL

Ver. 1.5 2008.07

This SUPPLEMENT-3 is the revised version of SUPPLEMENT-2.

Replace the SUPPLEMENT-2 (9-852-273-82) with the SUPPLEMENT-3.

Please discard the SUPPLEMENT-2.

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Thai Model
Tourist Model
Japanese Model*

SUPPLEMENT-3

File this supplement with the service manual.
(DI08-195)

- Addition of LCD Type (SONY TYPE) and Change of LF-057 Flexible Board's Suffix No.
- Change of GY-008 Flexible Board's Suffix No.
- Change of AE-032 Flexible Board's Suffix No.
- Change of Repair Parts
- Revision of Accessories

Note: Please refer to Ver.1.5 of SERVICE MANUAL (9-852-273-33) for the revision of accessories.

- Suffix No. of LF-057 flexible board has been changed from **[11]** into **[12]**, **[13]**.
About suffix No. [11] and [12], there are no changes of schematic diagram.
- Suffix No. of GY-008 flexible board has been changed from **[11]** into **[12]**.
About suffix No. [11] and [12], there are no changes of schematic diagram and printed wiring board.
- Suffix No. of AE-032 flexible board has been changed from **[11]** into **[12]**.
About suffix No. [11] and [12], there are no changes of schematic diagram.
- Along with AUO TYPE, SONY TYPE is added at type of LCD.
- When the machine needs to be repaired, make sure to follow the item of "LCD TYPE CHECK".

- **Addition of LCD Type (SONY TYPE) and Change of LF-057 Flexible Board's Suffix No.**

ENGLISH

JAPANESE

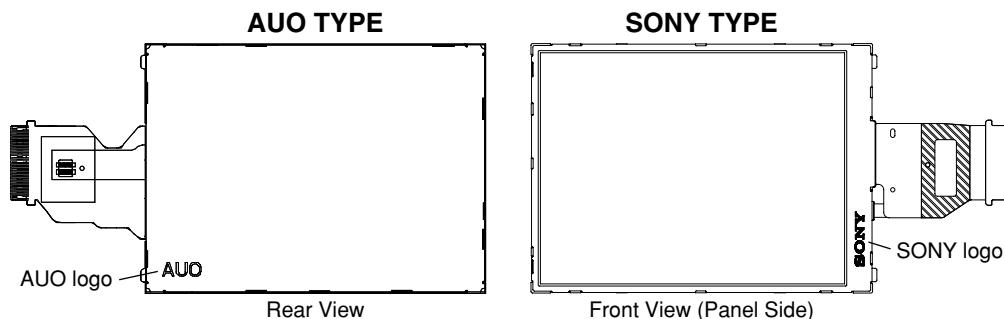
1. SERVICE NOTE

1-6. LCD TYPE CHECK

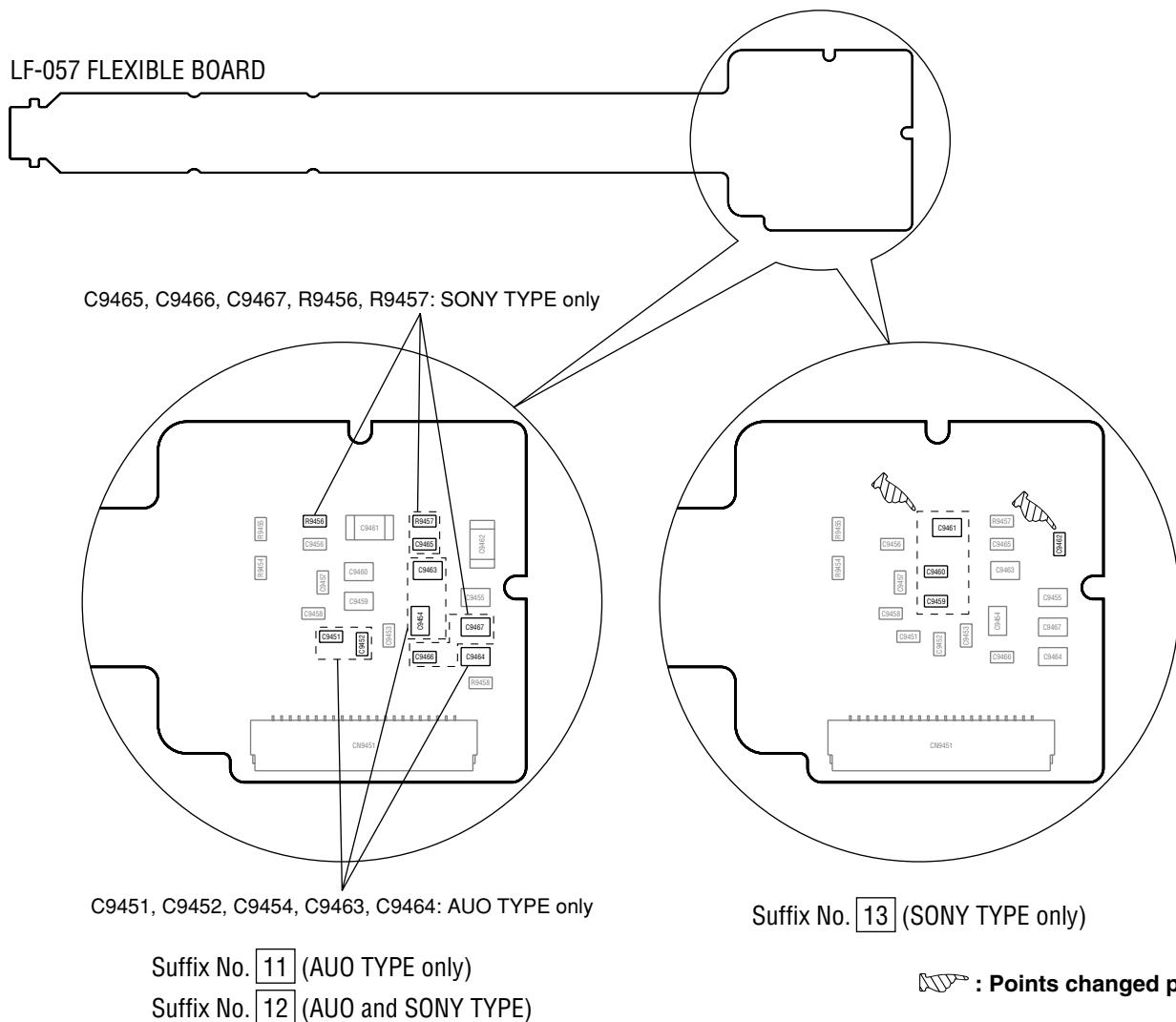
The combination of LCD panel and LF-057 flexible board is in each type of LCD.

	AUO TYPE	SONY TYPE
LCD panel	AUO	SONY
LF-057 flexible complete board's Part No.	A-1541-126-A (Suffix: -11, -12)	A-1466-493-A (Suffix: -12, -13)

- **Discrimination method of LCD panel**



- **Discrimination method of LF-057 flexible board**

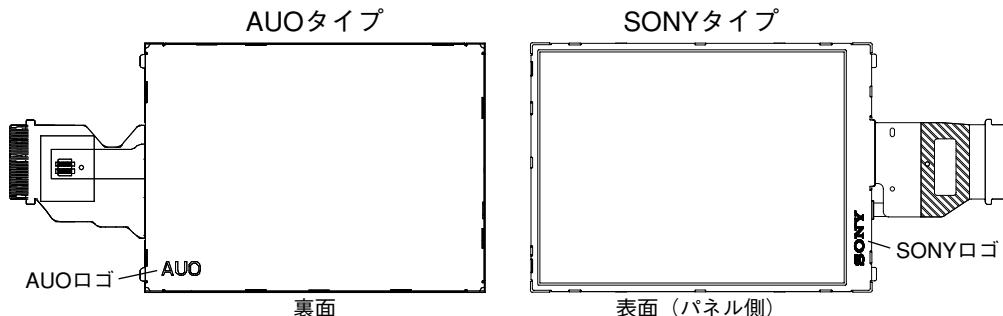


1-6. LCDタイプチェック

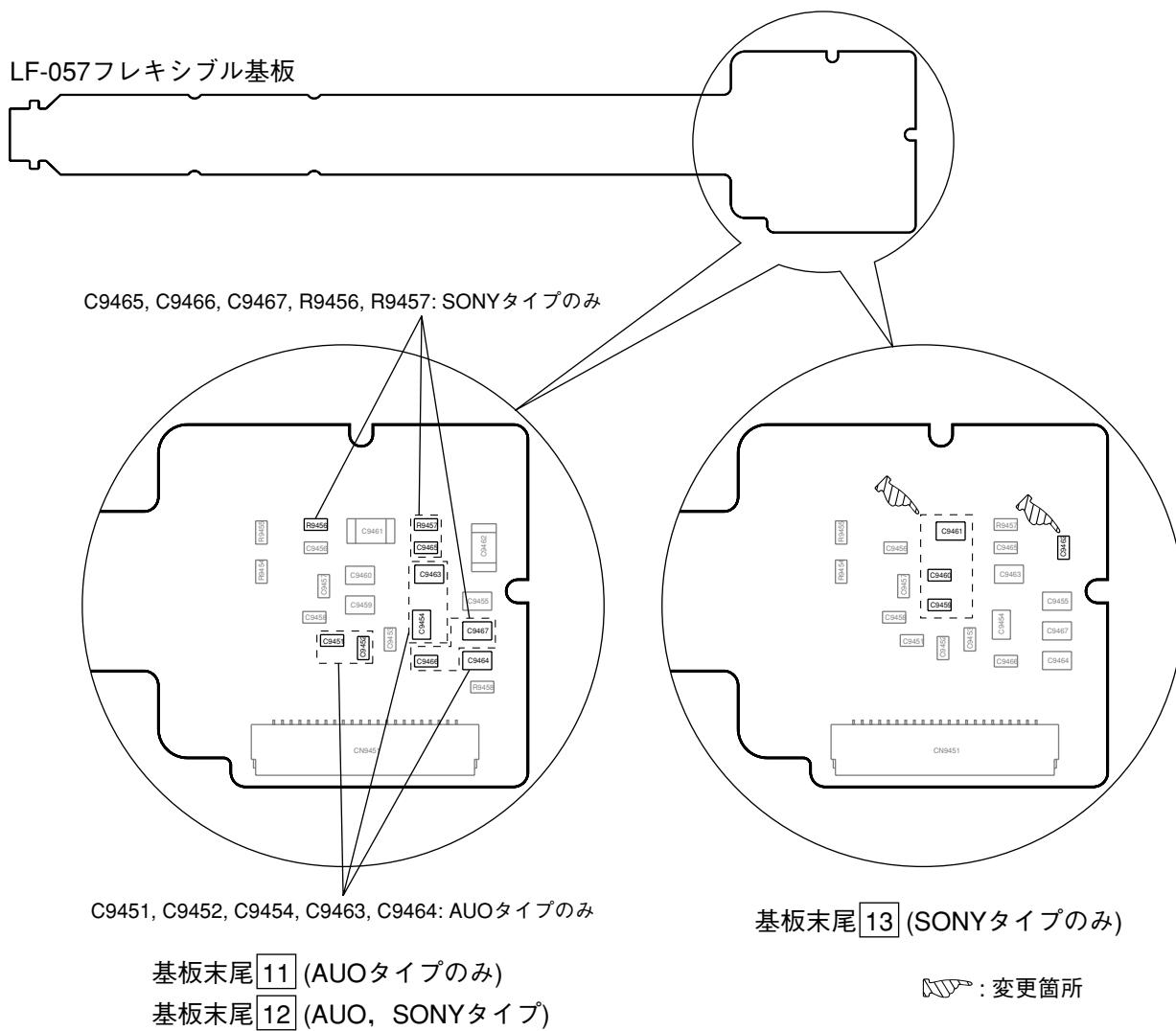
LCDのタイプごとにLCDパネルとLF-057フレキシブル基板の組み合わせがあります。

	AUOタイプ	SONYタイプ
LCDパネル	AUO	SONY
マウント済みLF-057 フレキシブル基板の部品番号	A-1541-126-A (基板末尾:-11, -12)	A-1466-493-A (基板末尾:-12, -13)

- LCDパネルの見分け方



- LF-057フレキシブル基板の見分け方

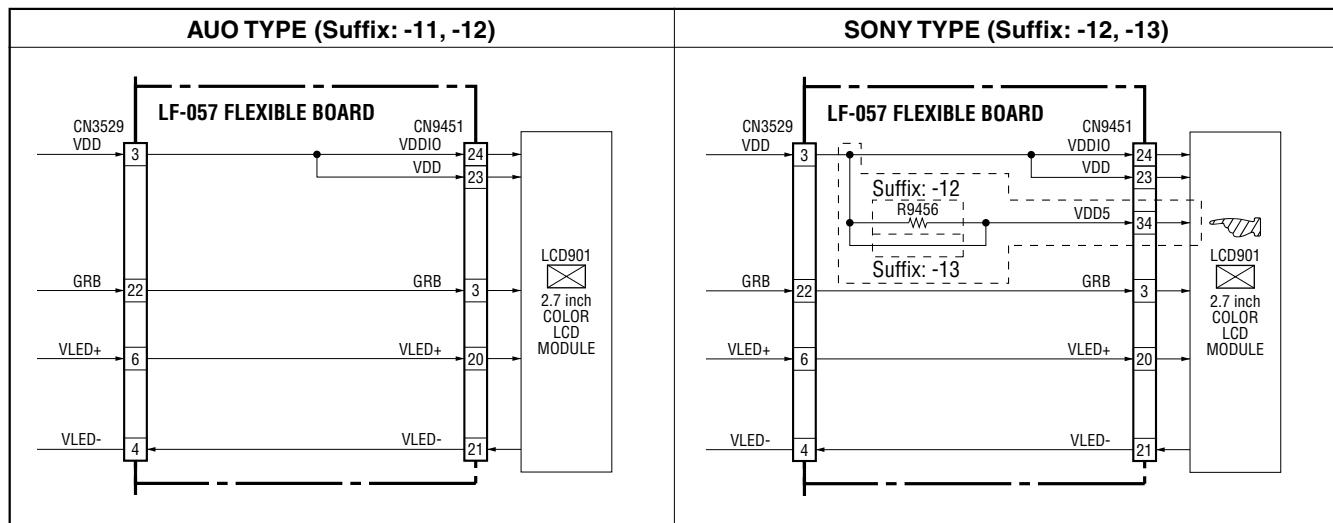


 : Points changed portion.

3. BLOCK DIAGRAMS

3-10. POWER BLOCK DIAGRAM (5/5)

(Service manual page 3-10)

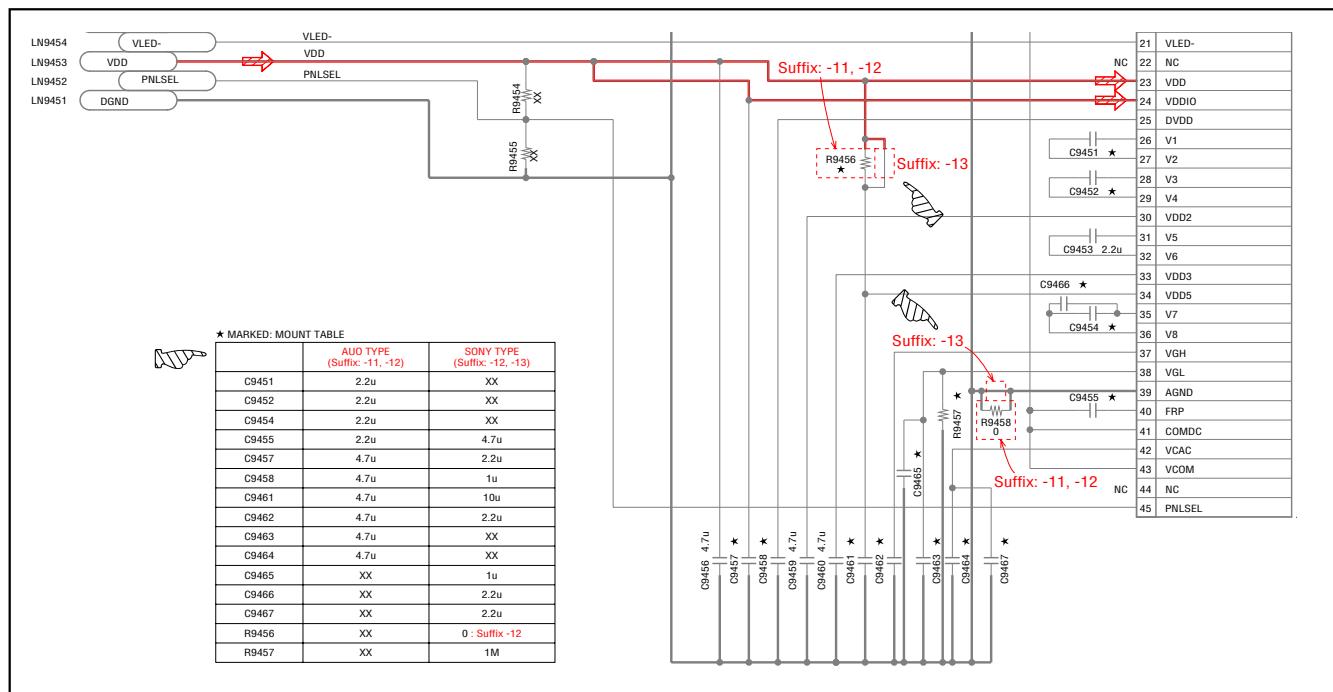


4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-2. SCHEMATIC DIAGRAMS

LF-057 FLEXIBLE BOARD (LCD)

(Service manual page 4-27, Location D-5 to F-9)

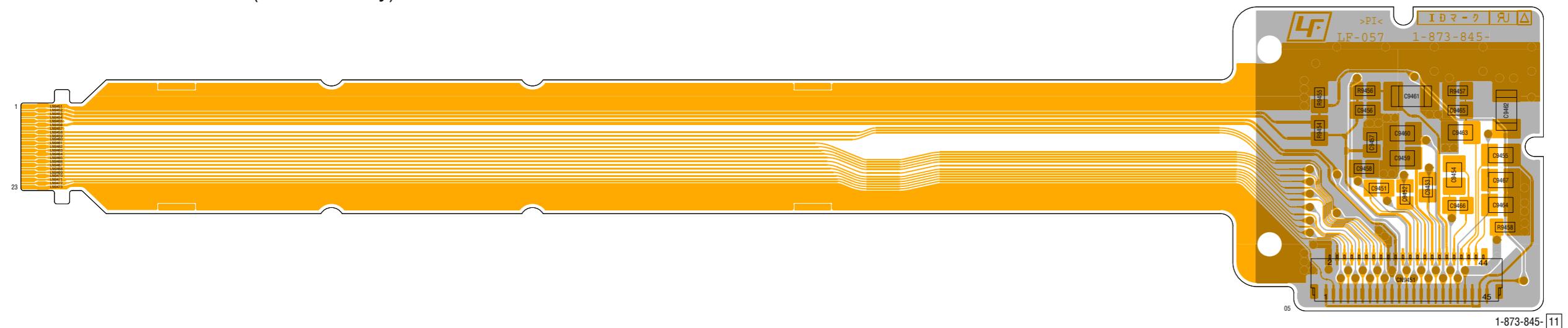


4-3. PRINTED WIRING BOARDS

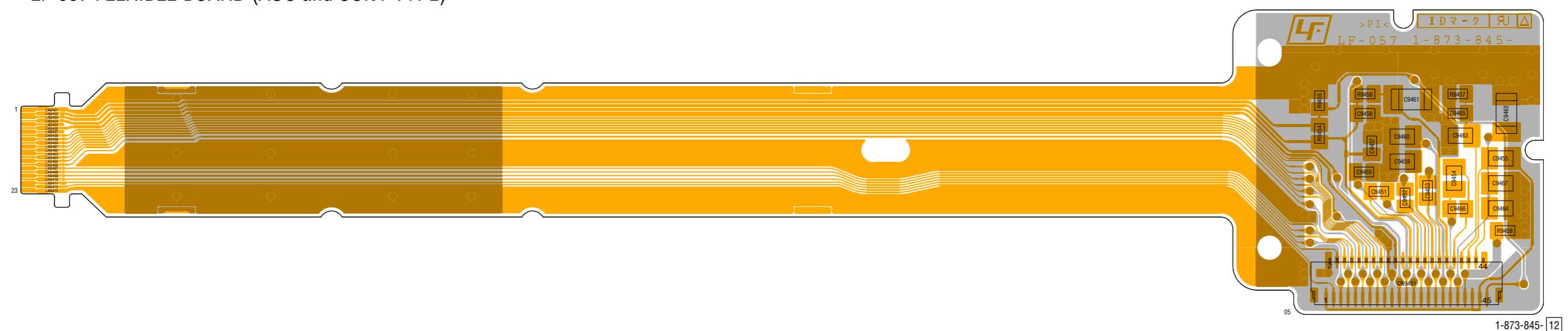
LF-057 (2 layers) (Service manual page 4-47)

 : Uses unleaded solder.

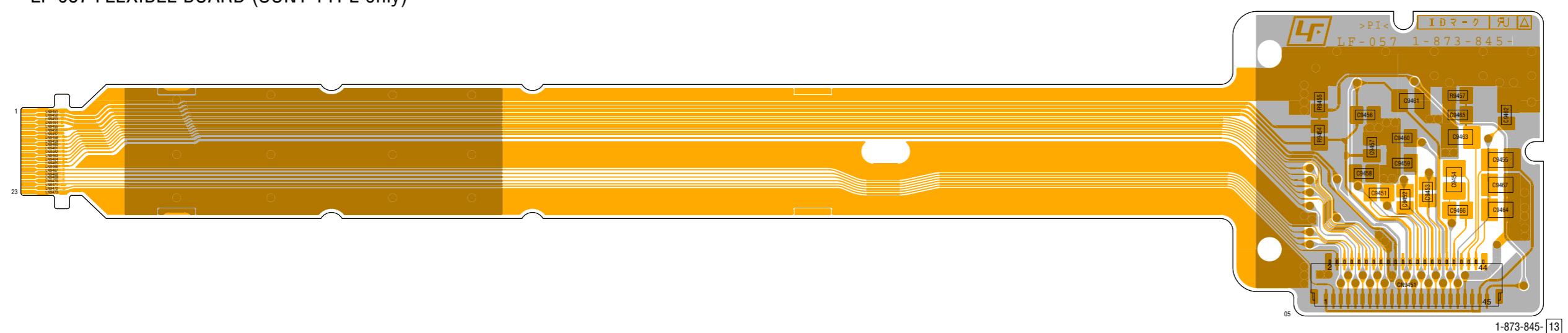
LF-057 FLEXIBLE BOARD (AUO TYPE only)



LF-057 FLEXIBLE BOARD (AUO and SONY TYPE)



LF-057 FLEXIBLE BOARD (SONY TYPE only)



5. REPAIR PARTS LIST

5-1. EXPLODED VIEWS

Page	AUO TYPE (Suffix: -11, -12)			SONY TYPE (Suffix: -12, -13)		
	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
5-4	118	A-1541-126-A	LF-057 FLEXIBLE BOARD, COMPLETE LCD901 1-802-570-11 LCD MODULE (A027DN01 V1)	118	A-1466-493-A	LF-057 FLEXIBLE BOARD, COMPLETE LCD901 8-753-298-16 ACX373AKM-3

5-2. ELECTRICAL PARTS LIST

Page	AUO TYPE (Suffix: -11, -12)			SONY TYPE (Suffix: -12, -13)									
	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description							
	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description							
	A-1541-126-A	LF-057 FLEXIBLE BOARD, COMPLETE	*****	A-1466-493-A	LF-057 FLEXIBLE BOARD, COMPLETE	*****							
	< CAPACITOR >			< CAPACITOR >									
	C9451	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V							
	C9452	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V							
	C9453	1-112-021-91	CERAMIC CHIP	2.2uF	20%	16V							
	C9454	1-114-098-91	CERAMIC CHIP	2.2uF	20%	25V							
	C9455	1-100-743-91	CERAMIC CHIP	2.2uF	20%	16V							
	* C9456	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V							
	* C9457	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V							
	* C9458	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V							
	C9459	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V							
				* C9456	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V				
				C9457	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V				
				C9458	1-100-352-91	CERAMIC CHIP	1uF	20%	16V				
				C9459	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V				
								(Suffix: -12)					
								* C9459	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V
									(Suffix: -13)				
	C9460	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V							
				C9460	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V				
								(Suffix: -12)					
5-23	C9461	1-100-967-91	CERAMIC CHIP	4.7uF	20%	25V							
				* C9460	1-112-746-11	CERAMIC CHIP	4.7uF	10%	6.3V				
								(Suffix: -13)					
	C9462	1-100-967-91	CERAMIC CHIP	4.7uF	20%	25V							
				* C9461	1-100-910-91	CERAMIC CHIP	10uF	20%	10V				
								(Suffix: -12)					
				C9461	1-112-342-91	CERAMIC CHIP	10uF	20%	10V				
								(Suffix: -13)					
				C9462	1-112-021-91	CERAMIC CHIP	2.2uF	20%	16V				
								(Suffix: -13)					
				C9462	1-114-750-91	CERAMIC CHIP	2.2uF	20%	16V				
								(Suffix: -12)					
	C9463	1-100-670-11	CERAMIC CHIP	4.7uF	20%	16V							
	C9464	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V							
				C9465	1-165-908-11	CERAMIC CHIP	1uF	10%	10V				
				C9466	1-100-742-91	CERAMIC CHIP	2.2uF	20%	10V				
				C9467	1-114-098-91	CERAMIC CHIP	2.2uF	20%	25V				
	< CONNECTOR >			< CONNECTOR >									
	* CN9451 1-821-202-71 CONNECTOR, FPC (ZIF) 45P			* CN9451 1-821-202-71 CONNECTOR, FPC (ZIF) 45P									
	< RESISTOR >			< RESISTOR >									
	R9458	1-216-864-11	SHORT CHIP	0	R9456	1-216-864-11	SHORT CHIP	0 (Suffix: -12)					
				R9457	1-216-857-11	METAL CHIP	1M 5%	1/10W					
				R9458	1-216-864-11	SHORT CHIP	0 (Suffix: -12)						

 : Points changed portion.

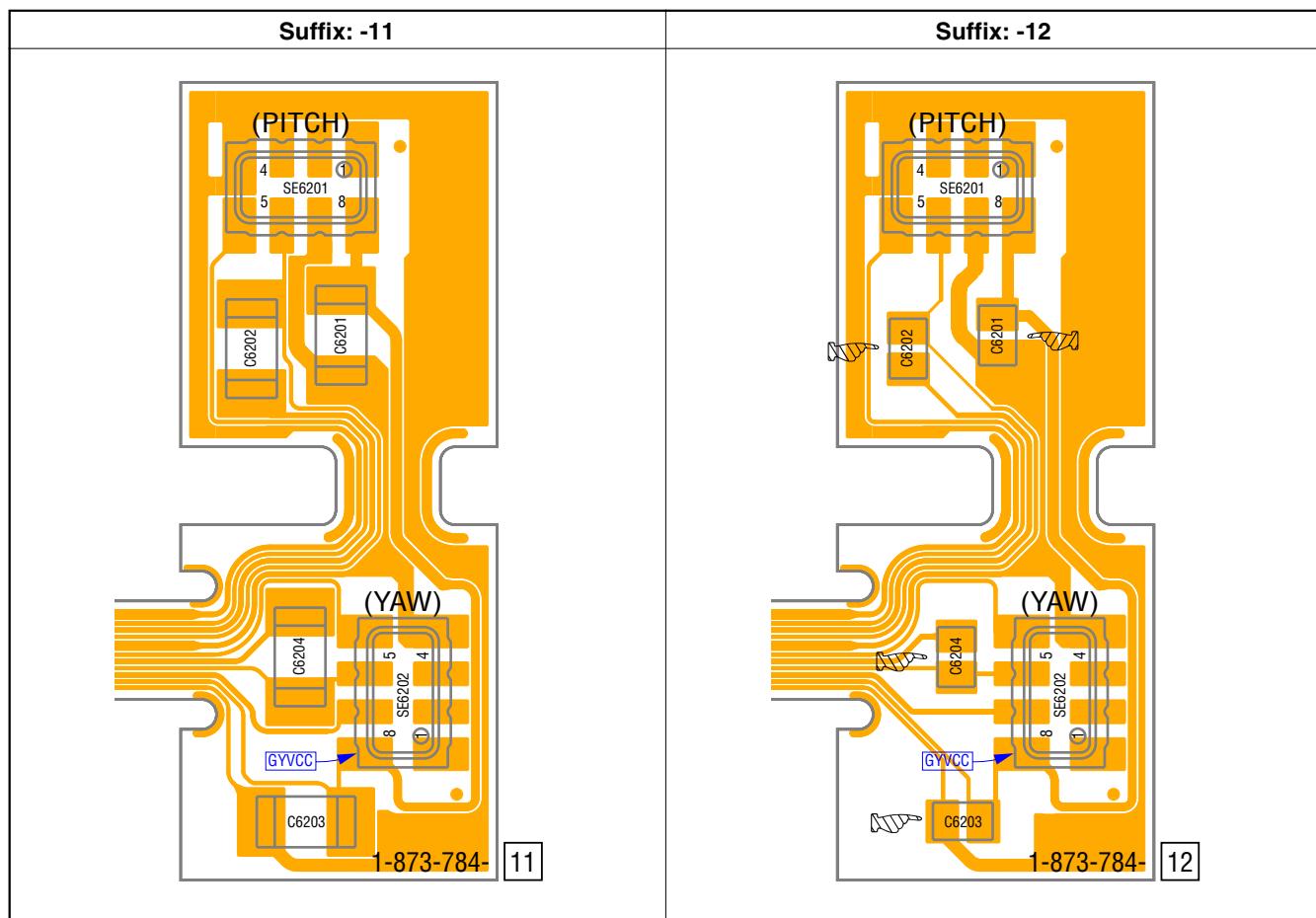
• Change of GY-008 Flexible Board's Suffix No.

4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-3. PRINTED WIRING BOARDS

GY-008 FLEXIBLE BOARD

(Service manual page 4-49)



5. REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

Page	Suffix: -11						Suffix: -12													
	Ref. No.	Part No.	Description				Ref. No.	Part No.	Description											
	GY-008 Flexible Board						GY-008 Flexible Board													
	< CAPACITOR >						< CAPACITOR >													
5-23	C6201	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C6201	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V								
	C6202	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C6202	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V								
	C6203	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C6203	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V								
	C6204	1-165-875-11	CERAMIC CHIP	10uF	10%	10V	C6204	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V								

 : Points changed portion.

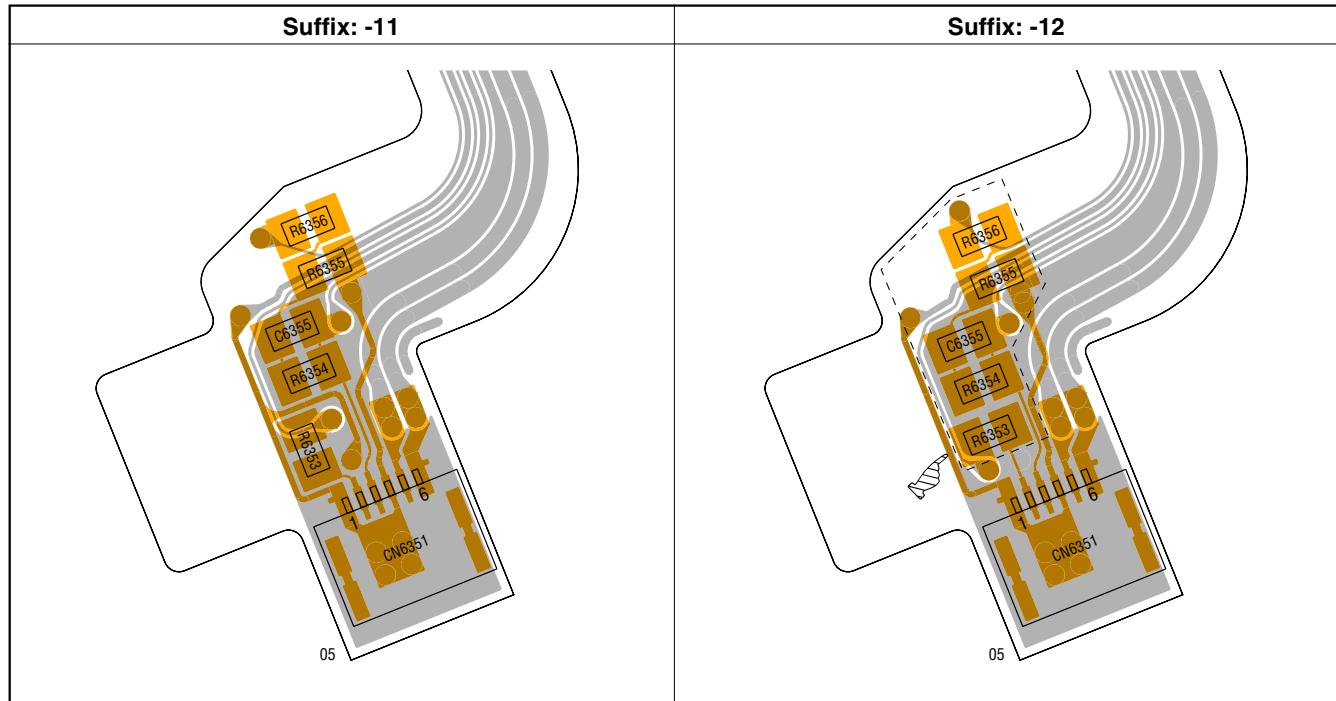
- Change of AE-032 Flexible Board's Suffix No.

4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-3. PRINTED WIRING BOARDS

AE-032 FLEXIBLE BOARD

(Service manual page 4-54)



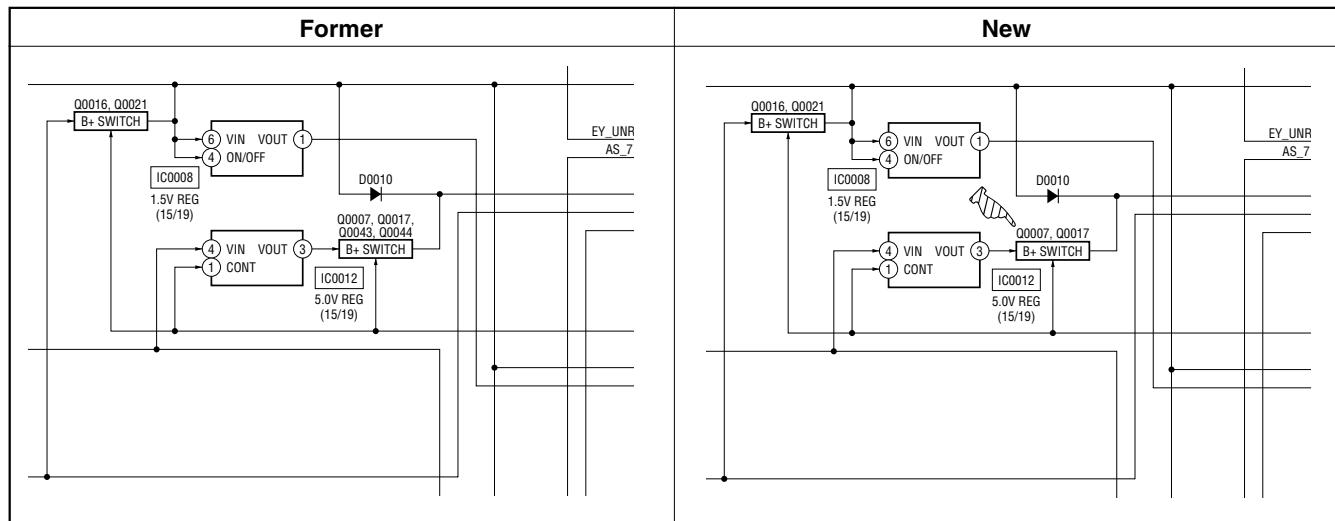
: Points changed portion.

• Change of Repair Parts

3. BLOCK DIAGRAMS

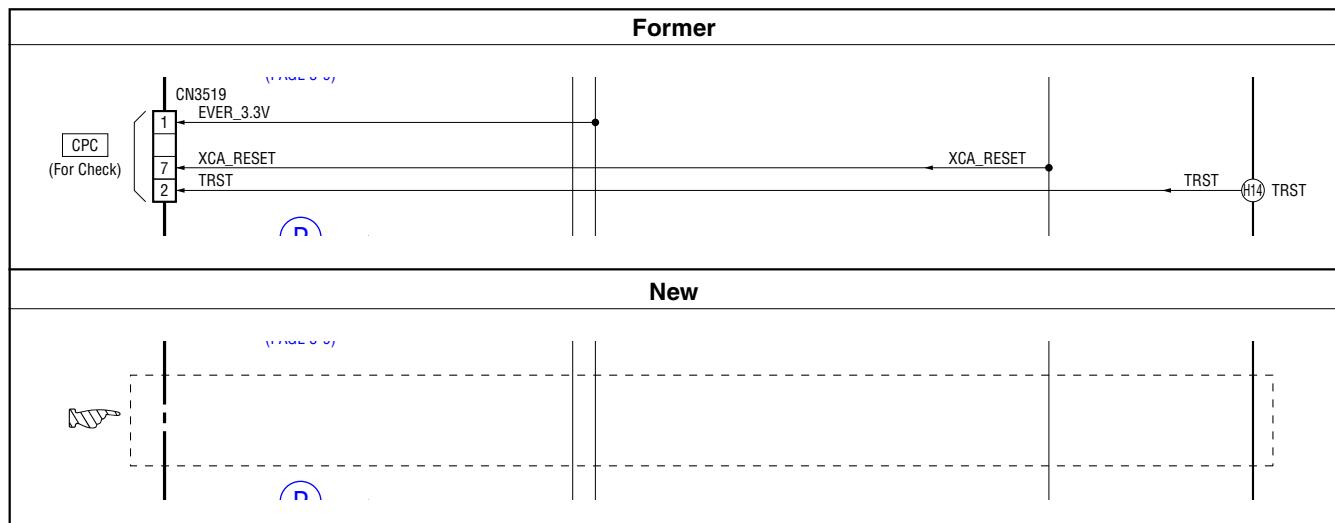
3-6. POWER BLOCK DIAGRAM (1/5)

(Service manual page 3-6)



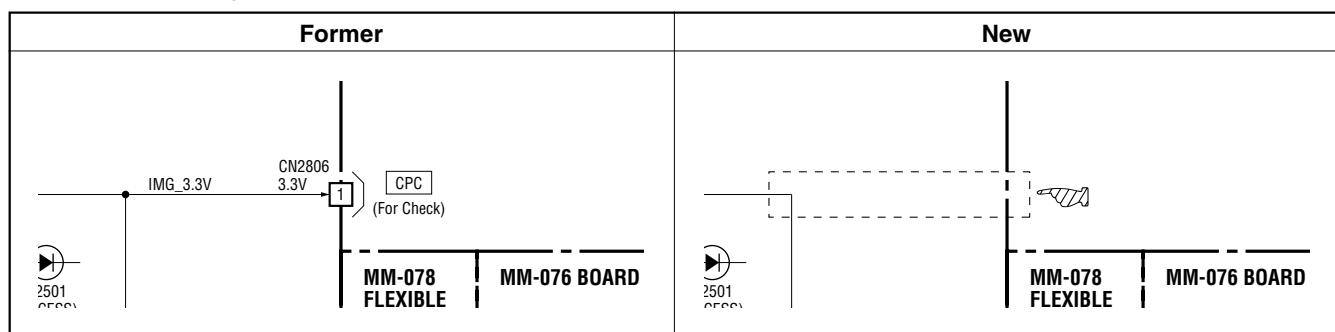
3-8. POWER BLOCK DIAGRAM (3/5)

(Service manual page 3-8)



3-10. POWER BLOCK DIAGRAM (5/5)

(Service manual page 3-10)

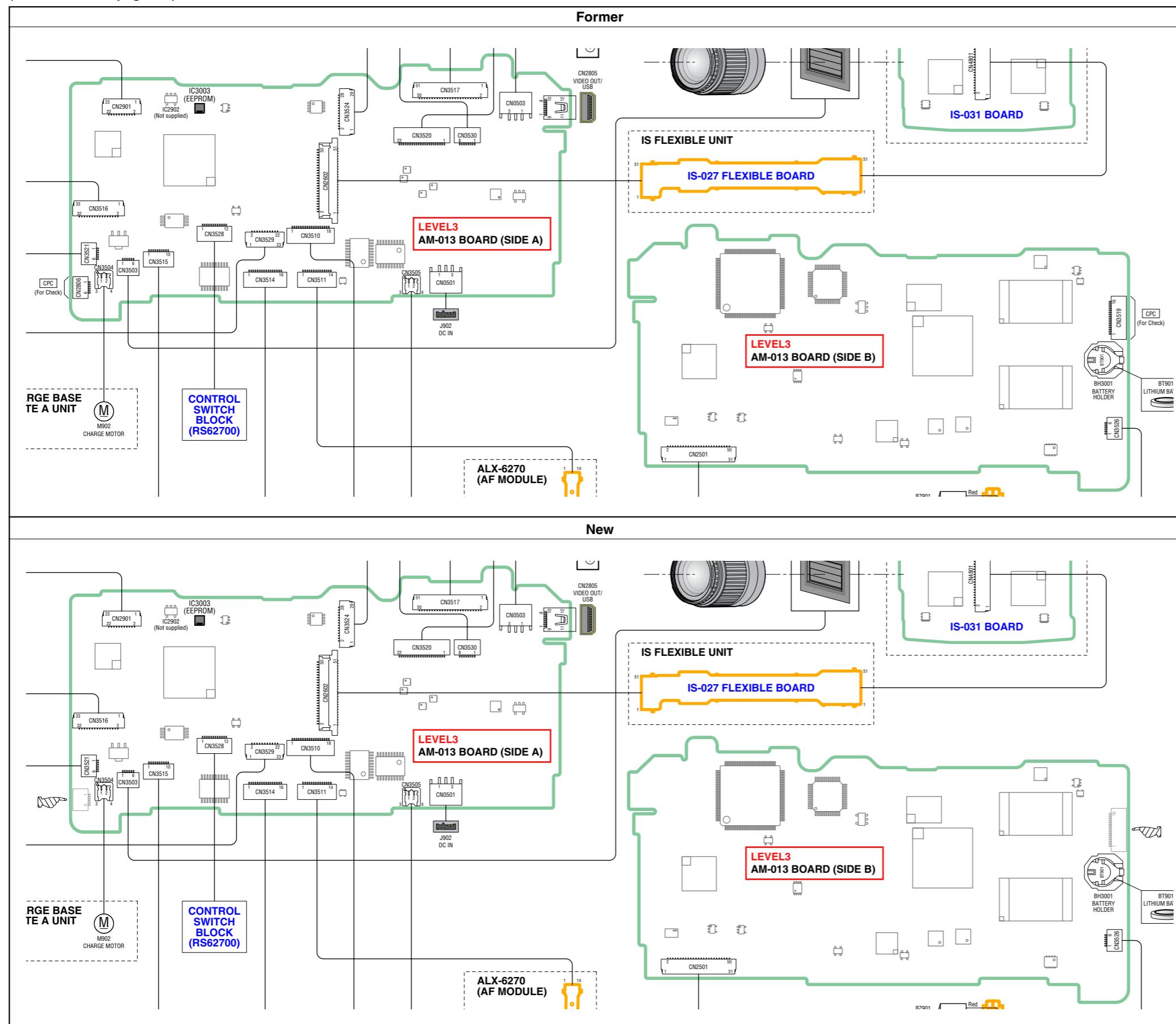


→ : Points changed portion.

4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-1. FRAME SCHEMATIC DIAGRAM

(Service manual page 4-1)



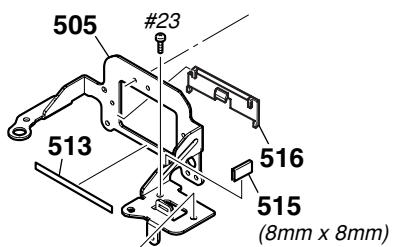
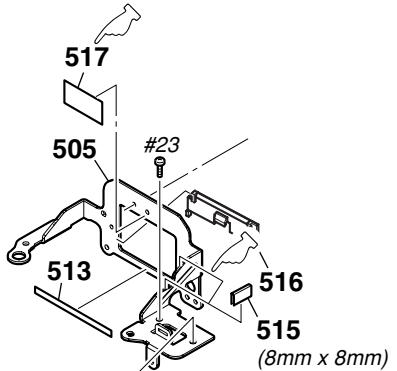
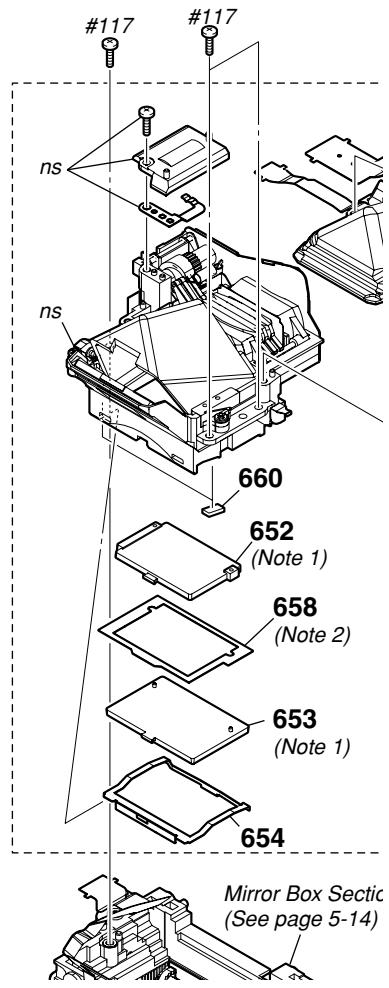
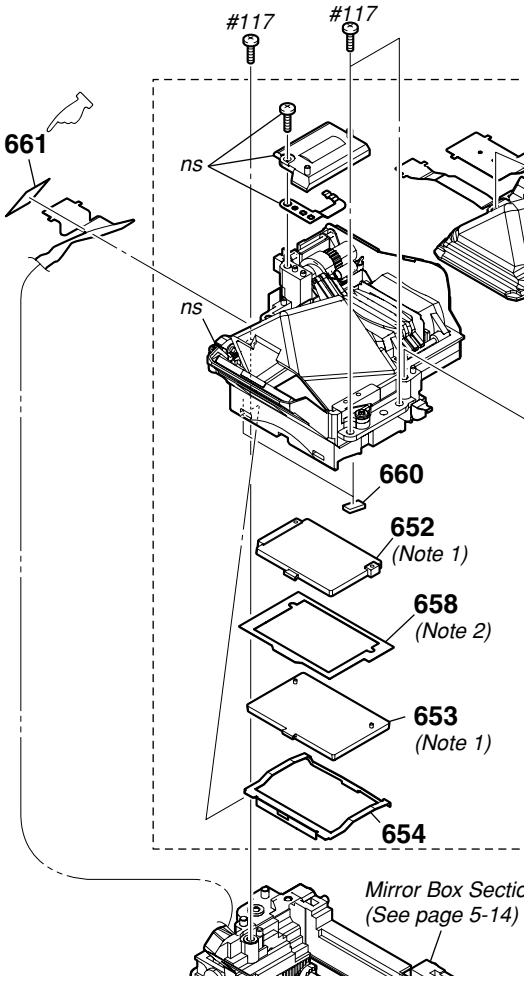
: Points added portion.
 : Points deleted portion.

5. REPAIR PARTS LIST

5-1. EXPLODED VIEWS

Page	Former	New
5-2	Ref. No. Part No. Description 5 X-2187-839-1 CV EYE HOOD ASSY	Ref. No. Part No. Description 5 X-2187-839-2 CV EYE HOOD ASSY
5-4	 * 103 3-297-446-01 EM SHIELD INSULATING SHEET * 104 3-296-153-01 EM RS FPC SHIELD SHEET	 123 3-870-313-01 SHEET, AFM FLEXIBLE GUARD
5-6	 * 202 3-282-825-01 BD MAIN FRAME SHIELD SHEET	
5-7	254 A-1376-336-A SLIDER UNIT (FOR SERVICE) (including ACT-001 flexible board and HOL-004 flexible board)	254 A-1557-615-A UNIT,SLIDER (6270) (FOR SERVICE) (including ACT-001 flexible board and HOL-004 flexible board)
5-9	 * 356 3-291-221-01 CV REAR FLEX INSULATING SHEET 357 X-2190-835-1 ST STROBOSCOPE LOCK ASSY	
5-10	CAUTION: For the part of 414, cut SHEET, ADHESIVE (2-649-300-01) into the desired length and use it. CAUTION: 414番は、接着紙(2-649-300-01)を切って使用。	CAUTION: For the part of 414, cut SHEET, ADHESIVE (2-649-300-01) into the desired length and use it. CAUTION: 414番は、接着紙(2-649-300-01)を切って使用。
	414 CAUTION CV FPC TAPE B	414 3-287-447-11 CV FPC TAPE B

 : Points added portion.

Page	Former	New
5-12	 Ref. No. Part No. Description <hr/>	 Ref. No. Part No. Description <hr/> 517 2-633-540-01 SHEET (C), INSULATING
5-13	 <hr/>	 661 3-870-313-01 SHEET, AFM FLEXIBLE GUARD
5-14	704 2-689-312-01 RING, IRIS	704 2-689-312-21 RING, IRIS

5-2. ELECTRICAL PARTS LIST

Page	Former	New
5-23	Ref. No. Part No. Description MA-450 Flexible Board < CONNECTOR > * CN5904 1-816-645-51 FFC/FPC CONNECTOR (LIF) 14P	Ref. No. Part No. Description MA-450 Flexible Board < CONNECTOR > CN5904 1-816-645-61 FFC/FPC CONNECTOR (LIF) 14P

DSLR-A350

SONY®

LEVEL 2

SERVICE MANUAL

Ver. 1.7 2008.10

This SUPPLEMENT-5 is the revised version of SUPPLEMENT-4.

Replace the SUPPLEMENT-4 (9-852-273-85) with the SUPPLEMENT-5.

Please discard the SUPPLEMENT-4.

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Thai Model
Tourist Model
Japanese Model*

SUPPLEMENT-5

File this supplement with the service manual.

(DI08-273)

- Correction of Block Diagram
- Change of Board's Suffix No.

Note: Please refer to Ver.1.7 of SERVICE MANUAL (9-852-273-33) for the correction of block diagram.

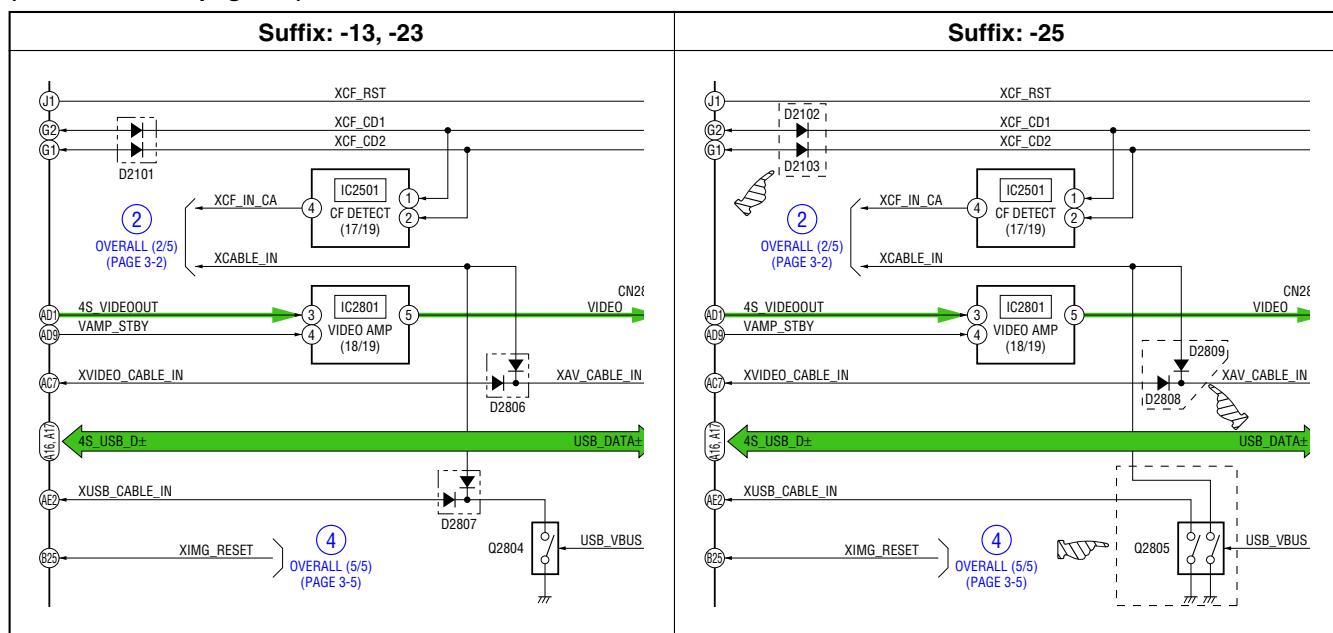
- Suffix No. of AM-013 board has been changed from **13**, **23** into **25**.

: Points changed portion.

3. BLOCK DIAGRAMS

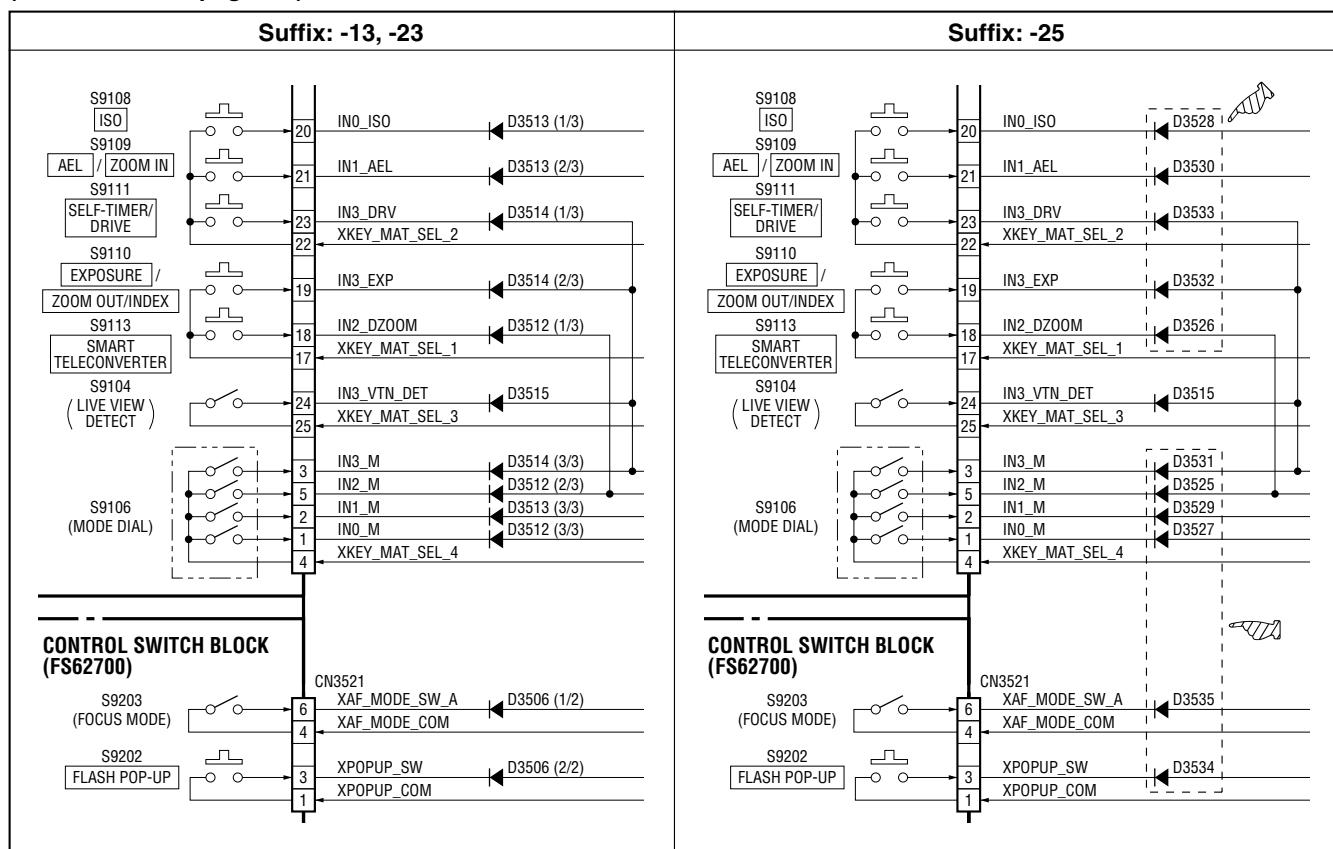
3-1. OVERALL BLOCK DIAGRAM (1/5)

(Service manual page 3-1)



3-4. OVERALL BLOCK DIAGRAM (4/5)

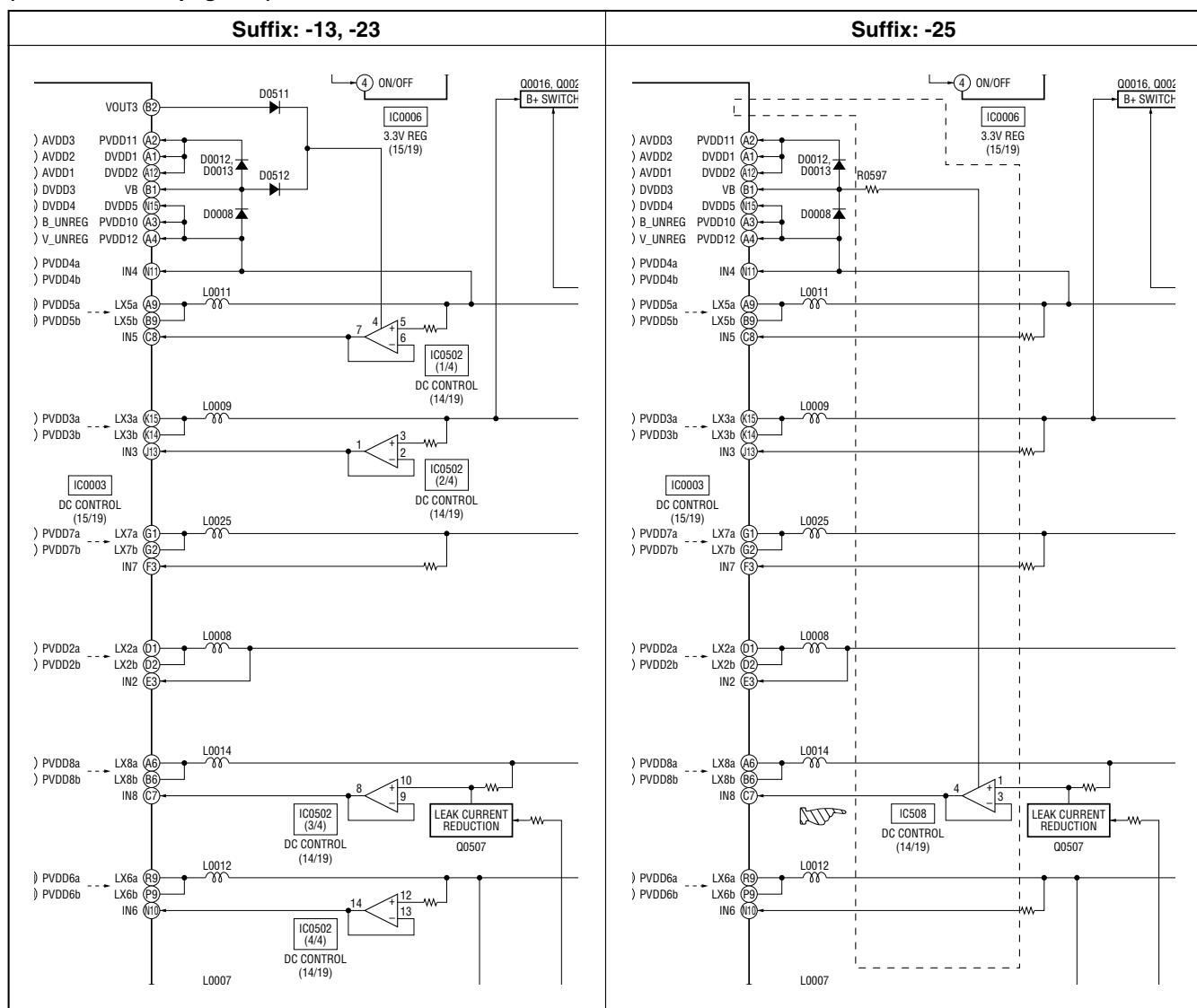
(Service manual page 3-4)



 : Points changed portion.

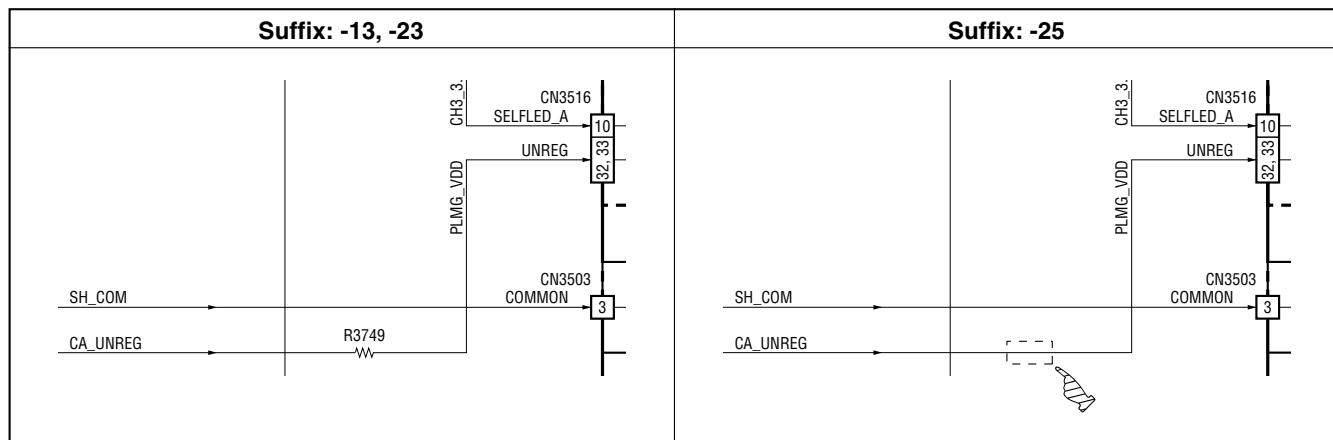
3-6. POWER BLOCK DIAGRAM (1/5)

(Service manual page 3-6)



3-7. POWER BLOCK DIAGRAM (2/5)

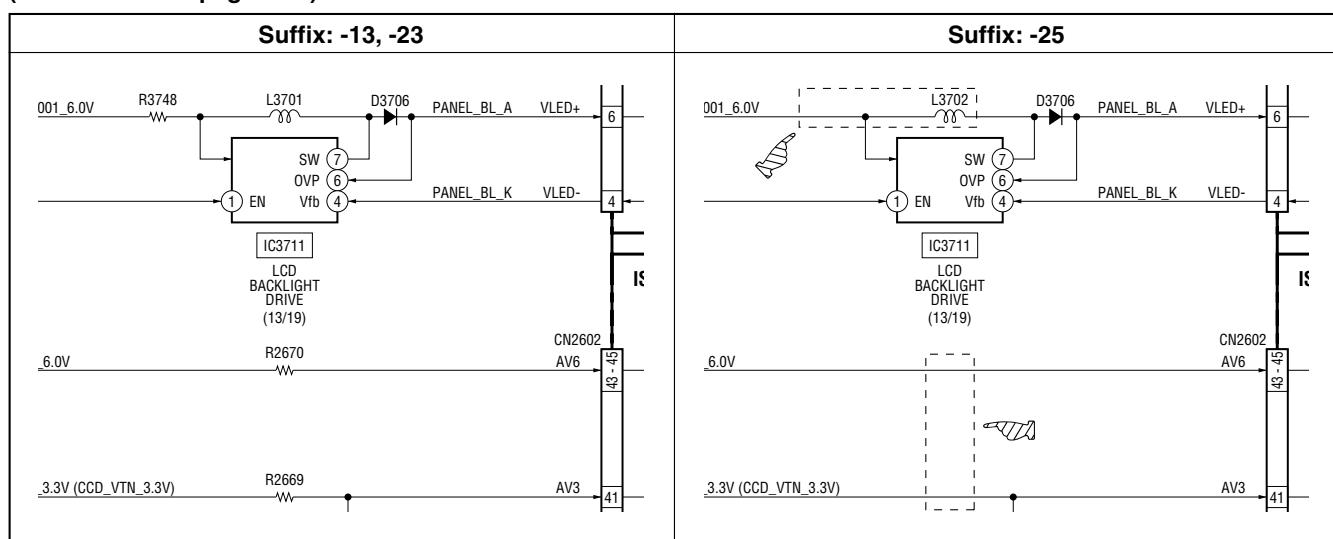
(Service manual page 3-7)



 : Points changed portion.

3-10. POWER BLOCK DIAGRAM (5/5)

(Service manual page 3-10)



DSLR-A350

SONY®

LEVEL 2

SERVICE MANUAL

Ver. 1.8 2009.06

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model
Hong Kong Model
Chinese Model
Korea Model
Thai Model
Tourist Model
Japanese Model*

SUPPLEMENT-6

File this supplement with the service manual.
(09-026)

- Change of Board's Suffix No.
- Change of Repair Parts
- Revision of Accessories

Note: Please refer to Ver.1.8 of SERVICE MANUAL (9-852-273-34) for the revision of accessories.

- Suffix No. of MM-076 board has been changed from **[11]** into **[12]**.
- Suffix No. of GY-008 flexible board has been changed from **[12]** into **[13]**.

 : Points changed portion.

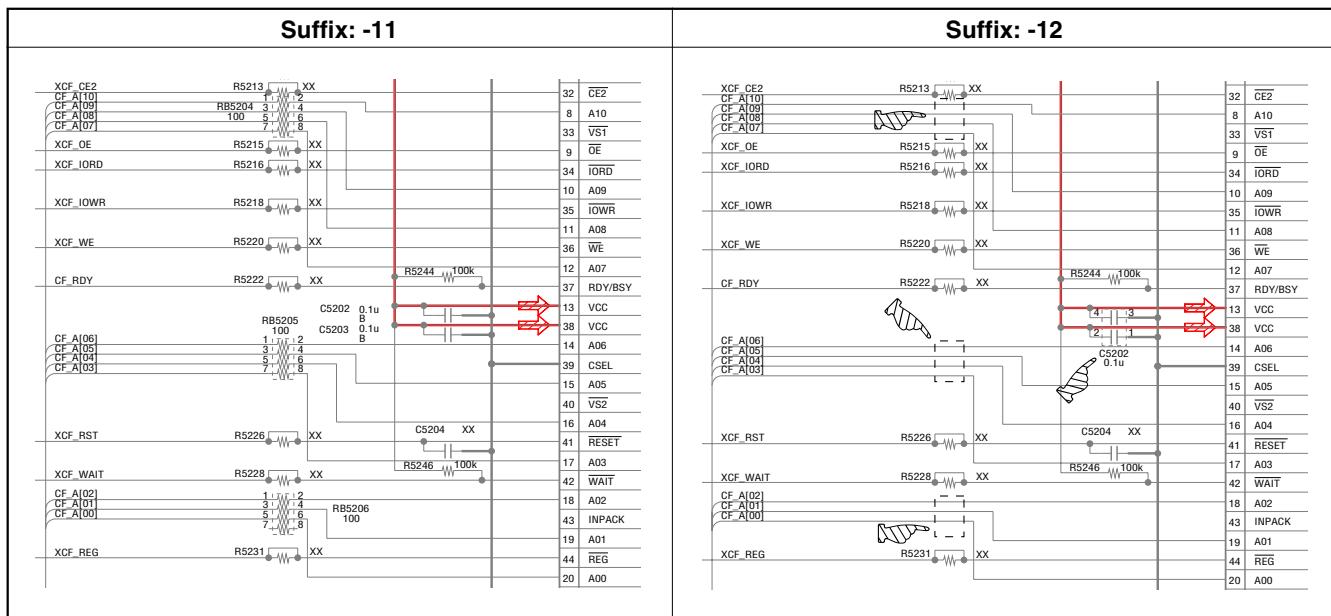
• Change of MM-076 Board's Suffix No.

4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-2. SCHEMATIC DIAGRAMS

MM-076 BOARD (CF SLOT)

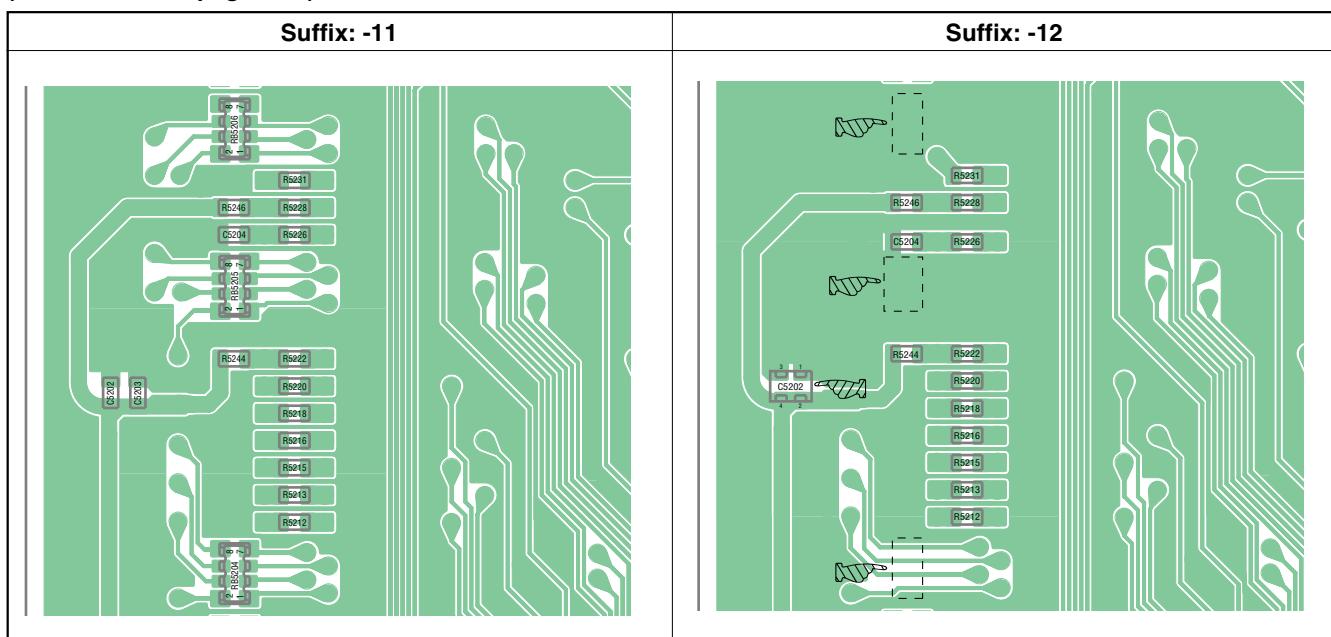
(Service manual page 4-28, Location C-8 to D-9)



4-3. PRINTED WIRING BOARDS

MM-076 BOARD (SIDE A)

(Service manual page 4-48)



 : Points changed portion.

5. REPAIR PARTS LIST

5-2. ELECTRICAL PARTS LIST

Page	Suffix: -11							Suffix: -12						
	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description								
			MM-076 Board			MM-076 Board								
			< CAPACITOR >			< CAPACITOR >								
	C5202	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V	C5202	1-100-252-11	CERAMIC CHIP 0.1uF 10% 6.3V								
	C5203	1-125-777-11	CERAMIC CHIP 0.1uF 10% 10V											
			< COMPOSITION CIRCUIT BLOCK >			< COMPOSITION CIRCUIT BLOCK >								
5-23	RB5201	1-234-372-11	RES, NETWORK 100 (1005X4)	RB5201	1-234-945-21	RES, NETWORK 100 (1005X4)								
	RB5202	1-234-372-11	RES, NETWORK 100 (1005X4)	RB5202	1-234-945-21	RES, NETWORK 100 (1005X4)								
	RB5203	1-234-372-11	RES, NETWORK 100 (1005X4)	RB5203	1-234-945-21	RES, NETWORK 100 (1005X4)								
	RB5204	1-234-372-11	RES, NETWORK 100 (1005X4)											
	RB5205	1-234-372-11	RES, NETWORK 100 (1005X4)											
	RB5206	1-234-372-11	RES, NETWORK 100 (1005X4)	RB5207	1-234-945-21	RES, NETWORK 100 (1005X4)								
	RB5207	1-234-372-11	RES, NETWORK 100 (1005X4)	RB5208	1-234-945-21	RES, NETWORK 100 (1005X4)								
	RB5208	1-234-372-11	RES, NETWORK 100 (1005X4)											

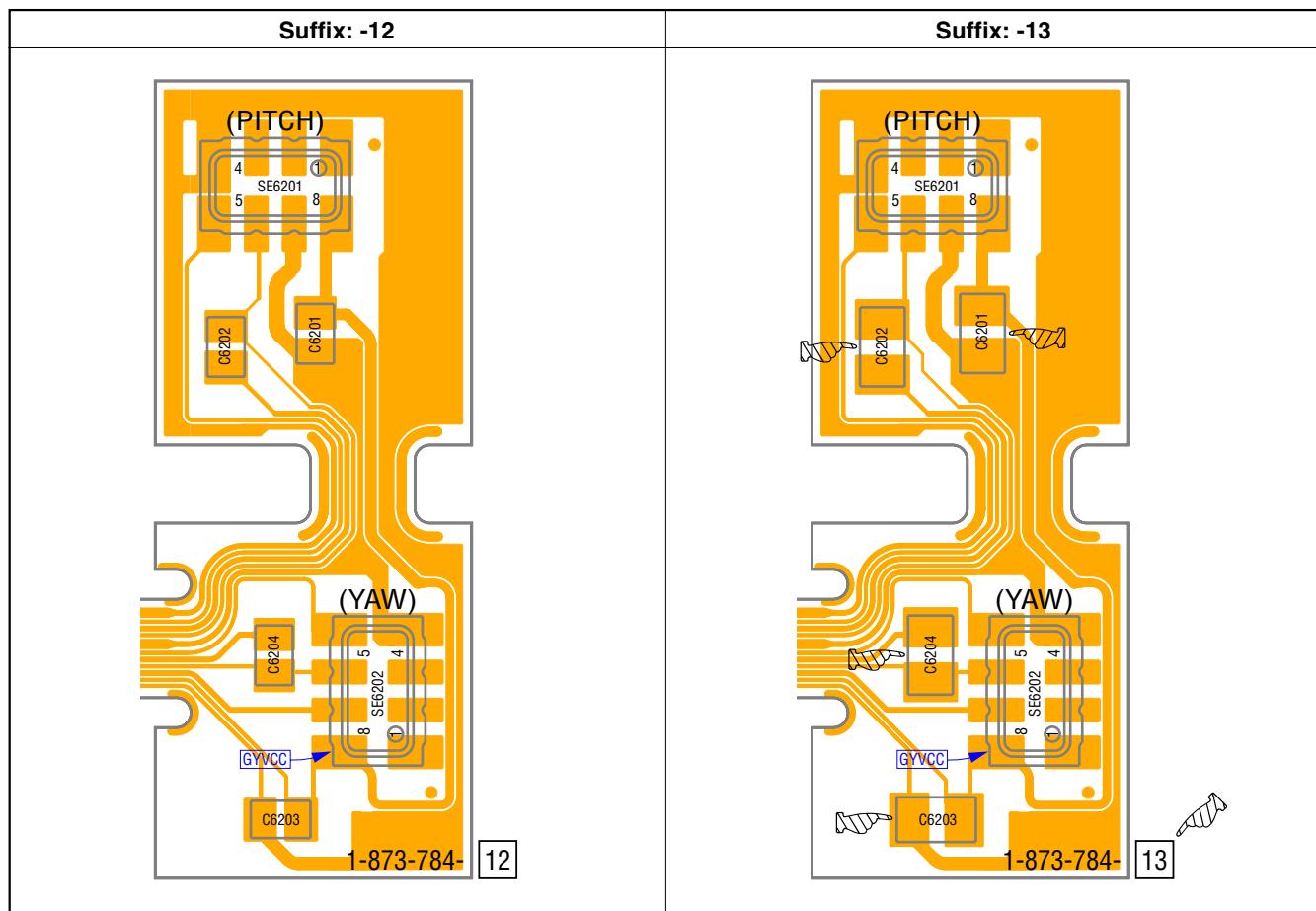
- Change of GY-008 Flexible Board's Suffix No.

4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-3. PRINTED WIRING BOARDS

GY-008 FLEXIBLE BOARD

(Service manual supplement-3 page 7)



: Points added portion.
 : Points deleted portion.

5. REPAIR PARTS LIST

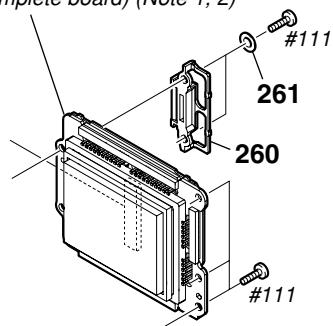
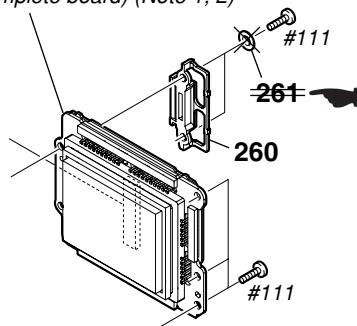
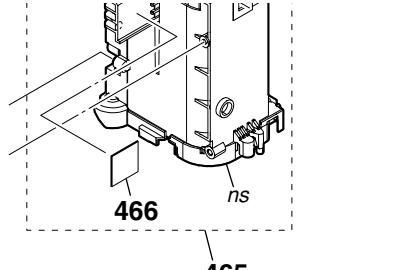
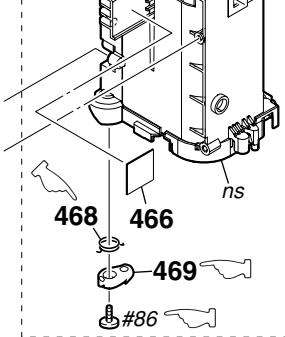
5-2. ELECTRICAL PARTS LIST

(Service manual supplement-3 page 7)

Suffix: -12								Suffix: -13																			
Ref. No.	Part No.	Description						Ref. No.	Part No.	Description																	
GY-008 Flexible Board																											
< CAPACITOR >																											
C6201	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V			C6201	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V														
C6202	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V			C6202	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V														
C6203	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V			C6203	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V														
C6204	1-112-815-91	CERAMIC CHIP	10uF	20%	6.3V			C6204	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V														

• Change of Repair Parts

5. REPAIR PARTS LIST

Former			New			
Ref. No.			Ref. No.			
5-5	△ BH3001 1-756-615-41 HOLDER, BATTERY (Note)			△ BH3001 1-756-615-61 HOLDER, BATTERY (Note)		
5-7	259 <i>(including IC4303 (CCD imager) and IS-026 complete board) (Note 1, 2)</i>  260 3-279-624-01 HOLDER, FPC 261 3-279-625-01 SPACER	259 <i>(including IC4303 (CCD imager) and IS-026 complete board) (Note 1, 2)</i>  260 3-279-624-02 HOLDER, FPC				
5-11		 468 3-282-889-01 BD BT LOCK CLAW TENSIN SPRING 469 3-282-888-01 BD BATTERY LOCK CLAW #86 2-695-434-21 SCREW (T1.7), HEAD PAN TAPPING (Silver)				
5-15	756 3-279-648-01 LEVER, SHUTTER CHARGE	756 3-279-648-11 LEVER, SHUTTER CHARGE				

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

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

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

5-2. ELECTRICAL PARTS LIST

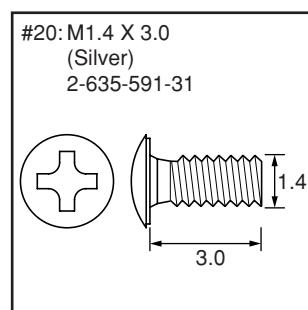
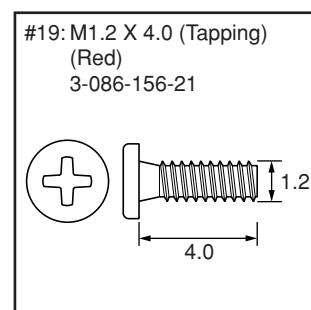
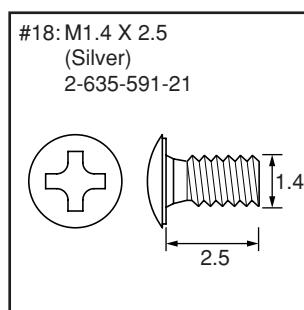
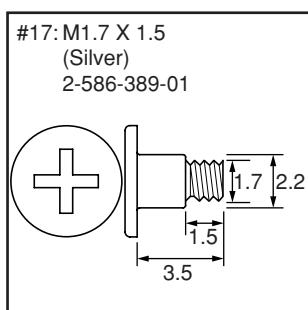
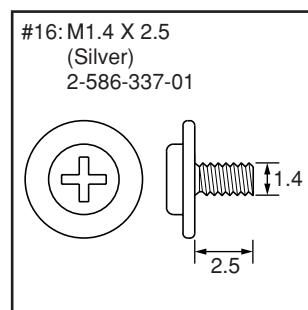
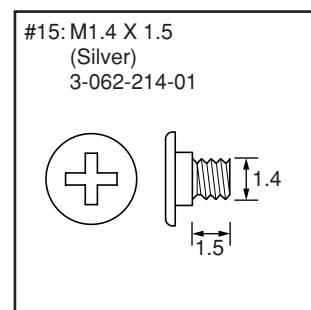
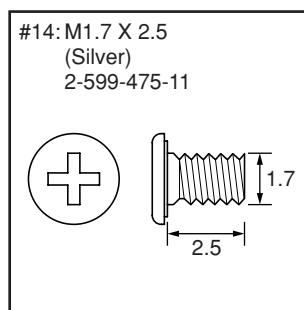
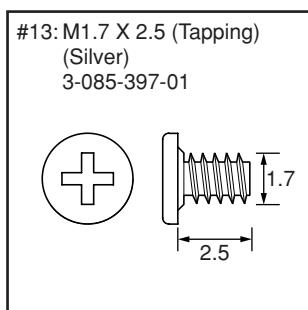
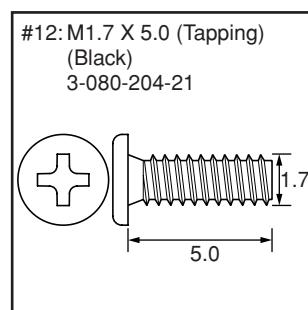
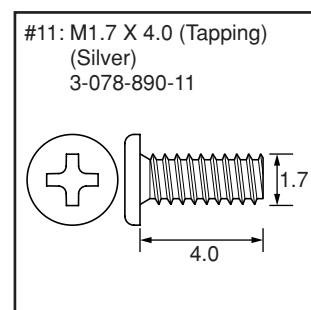
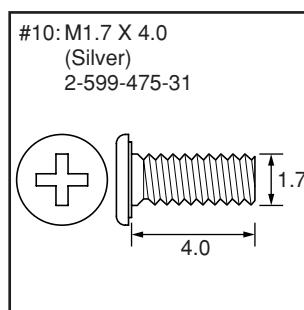
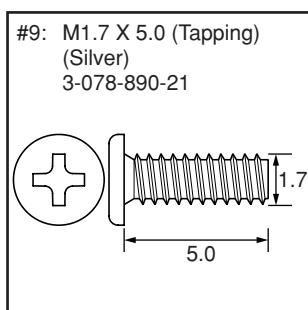
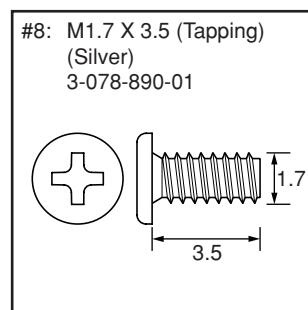
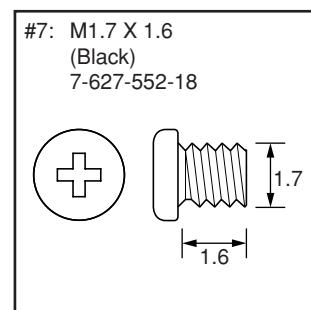
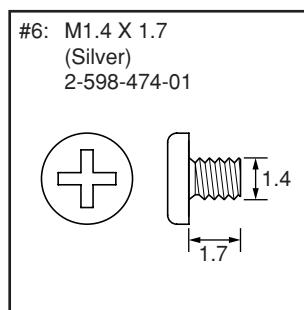
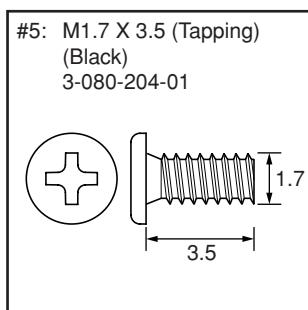
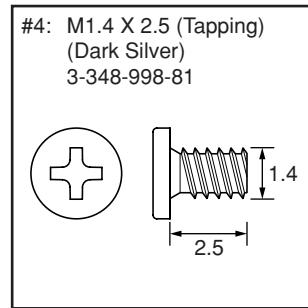
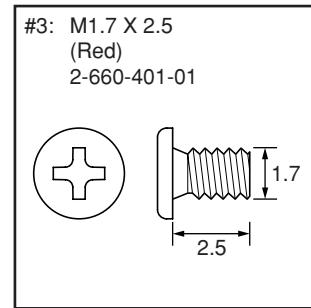
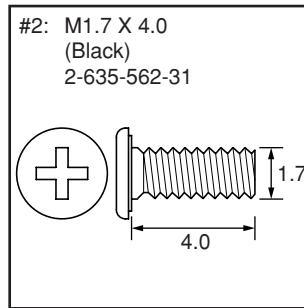
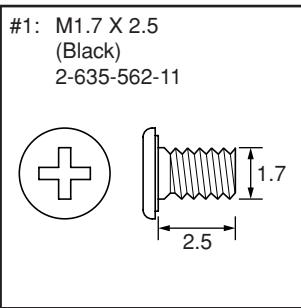
Page	Former	New
5-23	<u>Ref. No.</u> <u>Part No.</u> <u>Description</u> LF-057 Flexible Board < CONNECTOR > * CN9451 1-821-202-71 CONNECTOR, FPC (ZIF) 45P	<u>Ref. No.</u> <u>Part No.</u> <u>Description</u> LF-057 Flexible Board < CONNECTOR > * CN9451 1-821-202-81 CONNECTOR, FPC (ZIF) 45P
5-23	MM-076 Board < CONNECTOR > * CN5201 1-820-857-71 CONNECTOR, FPC (ZIF) 51P	MM-076 Board < CONNECTOR > * CN5201 1-820-857-81 CONNECTOR, FPC (ZIF) 51P
5-23 5-24	ST-196 Board < CAPACITOR > C6501 1-119-667-11 CERAMIC CHIP 22uF 10V < TRANSISTOR > ▲* Q6501 6-551-937-01 TRANSISTOR TIG032TS-S-TL-E	ST-196 Board < CAPACITOR > C6501 1-165-875-11 CERAMIC CHIP 10uF 10% 10V < TRANSISTOR > ▲* Q6501 6-552-144-01 TRANSISTOR TIG052TS-TL-E

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

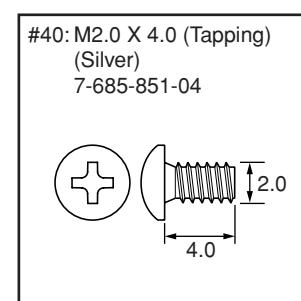
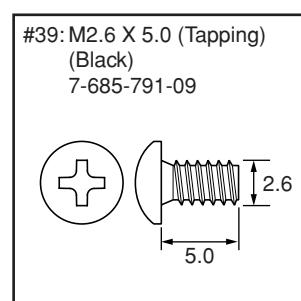
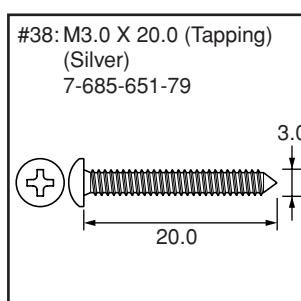
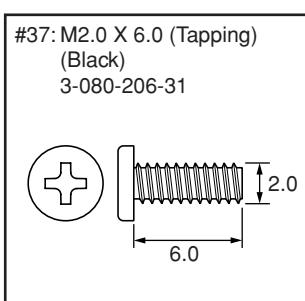
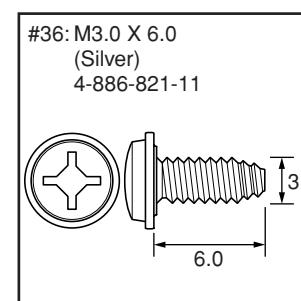
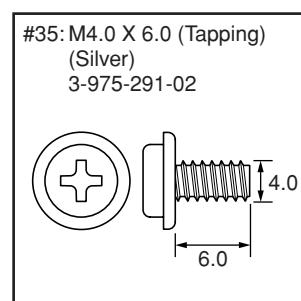
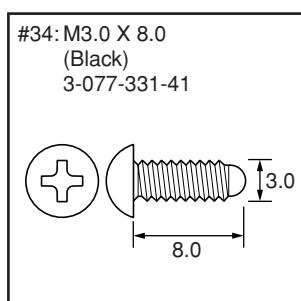
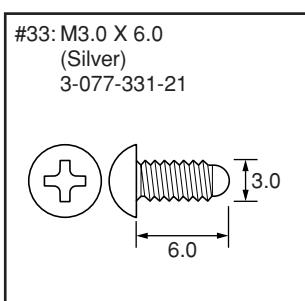
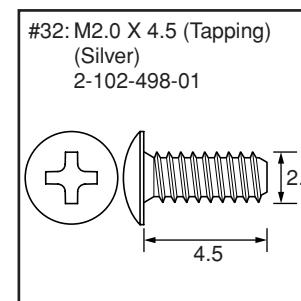
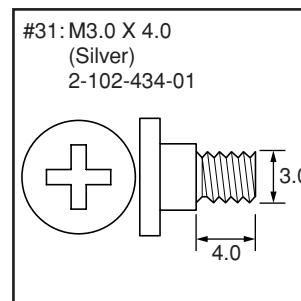
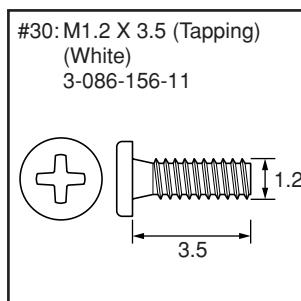
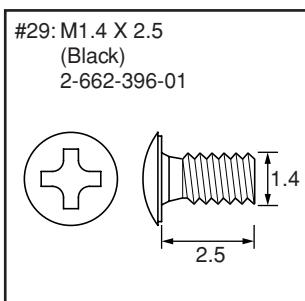
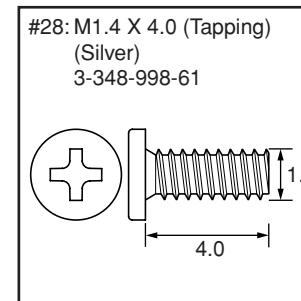
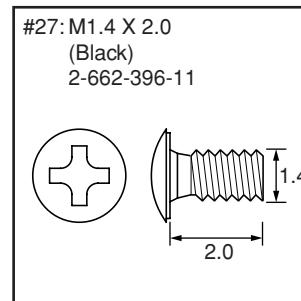
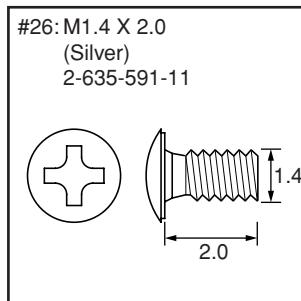
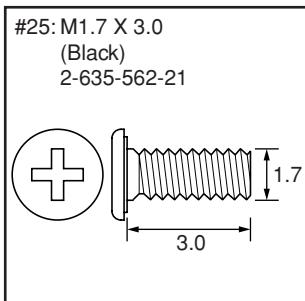
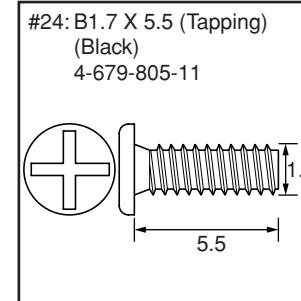
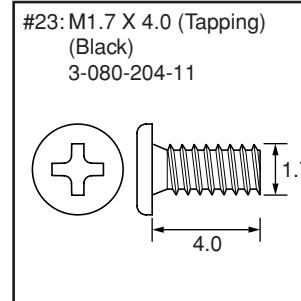
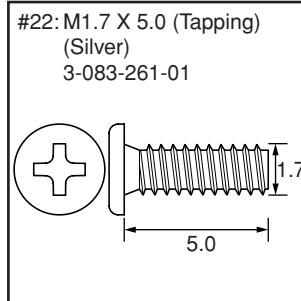
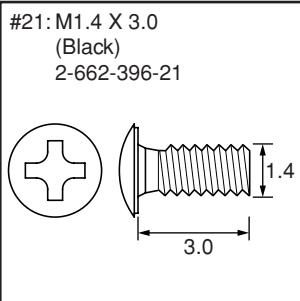
Les composants identifiés par une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

HARDWARE LIST (1/7)

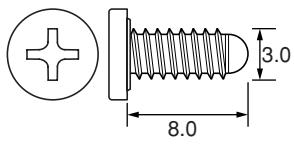


HARDWARE LIST (2/7)

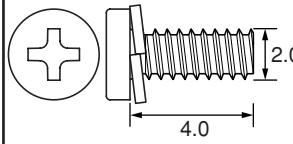


HARDWARE LIST (3/7)

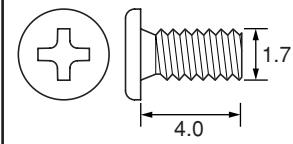
#41: M3.0 X 8.0 (Tapping)
(Silver)
3-065-748-01



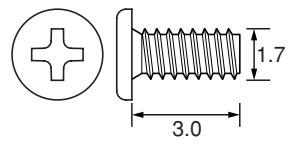
#42: M2.0 X 4.0 (Tapping)
(Silver)
7-628-253-00



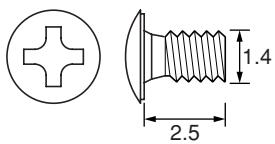
#43: M1.7 X 4.0
(Red)
2-660-401-31



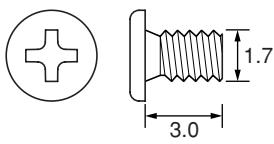
#44: M1.7 X 3.0 (Tapping)
(Silver)
3-078-890-61



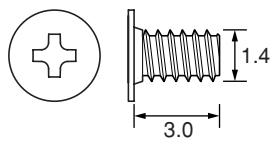
#45: M1.4 X 2.5
(Silver)
2-587-151-01



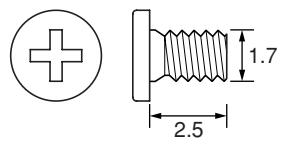
#46: M1.7 X 3.0
(Red)
2-660-401-11



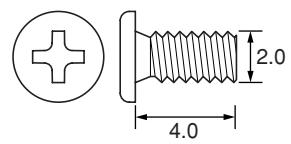
#47: M1.4 X 3.0 (Tapping)
(Silver)
2-665-774-01



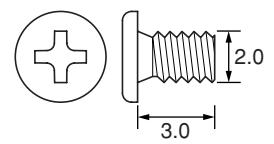
#48: M1.7 X 2.5
(Silver)
3-973-497-91



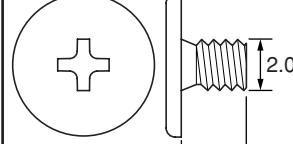
#49: M2.0 X 4.0
(Black)
2-630-005-31



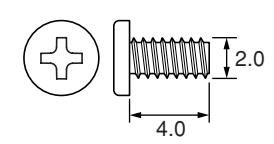
#50: M2.0 X 3.0
(Red)
2-891-494-11



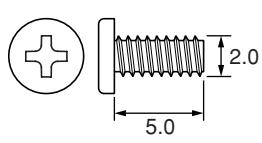
#51: M2.0 X 2.5
(Silver)
3-073-686-01



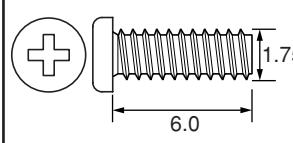
#52: M2.0 X 4.0 (Tapping)
(Black)
3-080-206-11



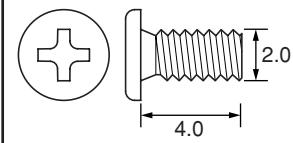
#53: M2.0 X 5.0 (Tapping)
(Black)
3-080-206-21



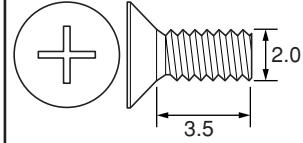
#54: M1.75 X 6.0 (Tapping)
(Black)
3-318-203-11



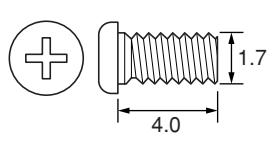
#55: M2.0 X 4.0
(Silver)
2-655-582-11



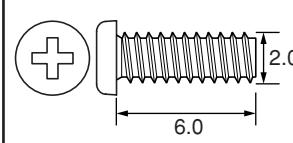
#56: M2.0 X 3.5
(Silver)
3-067-187-11



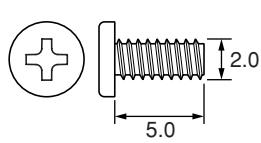
#57: M1.7 X 4.0
(Black)
7-627-852-18



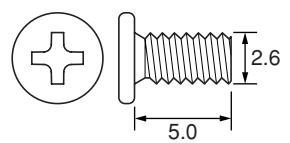
#58: M2.0 X 6.0 (Tapping)
(Silver)
3-719-408-11



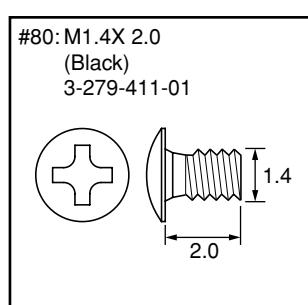
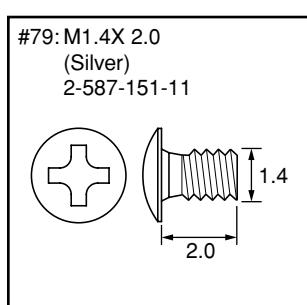
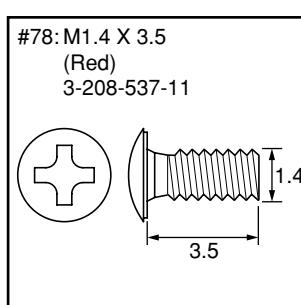
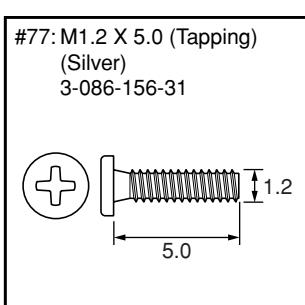
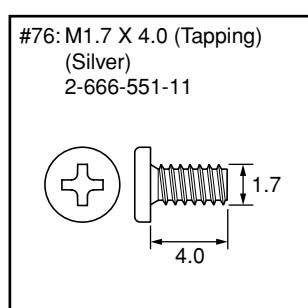
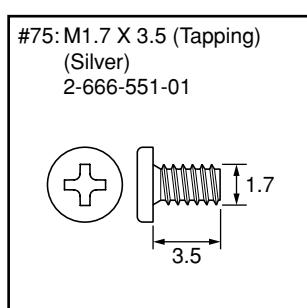
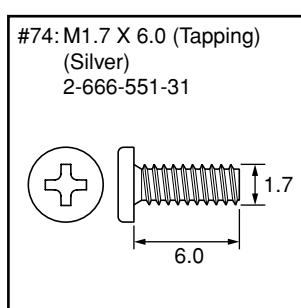
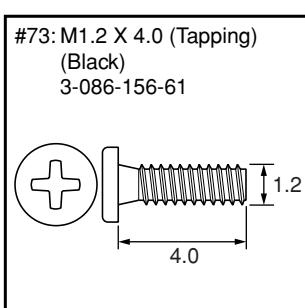
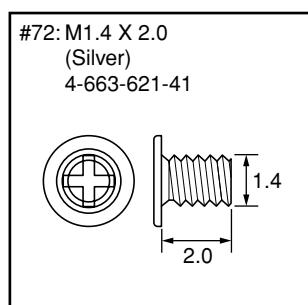
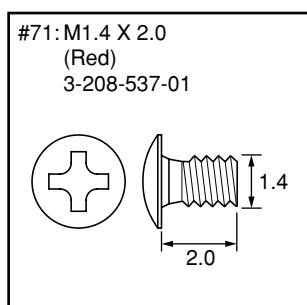
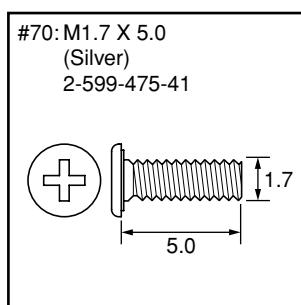
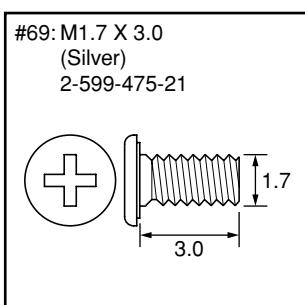
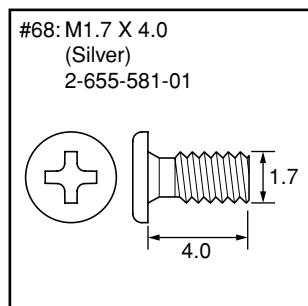
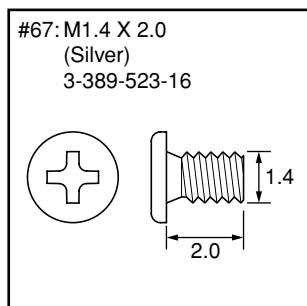
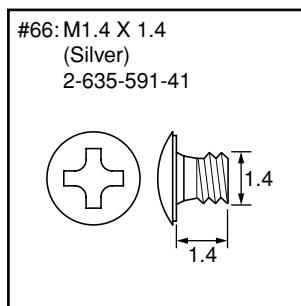
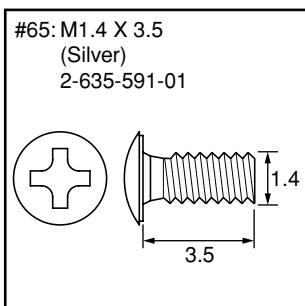
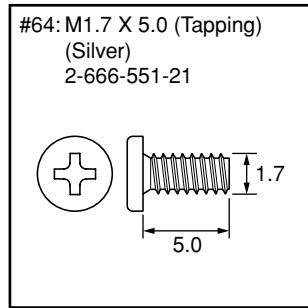
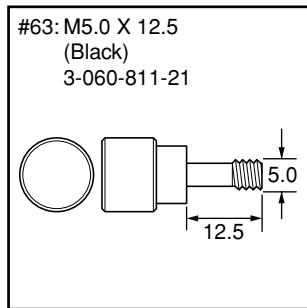
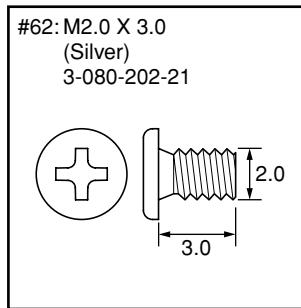
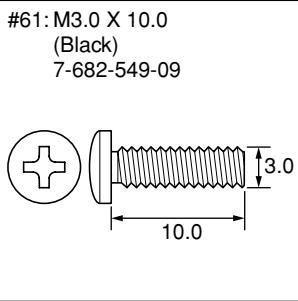
#59: M2.0 X 5.0 (Tapping)
(Silver)
3-080-205-21



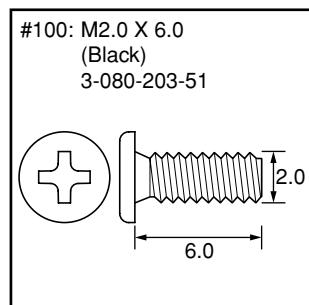
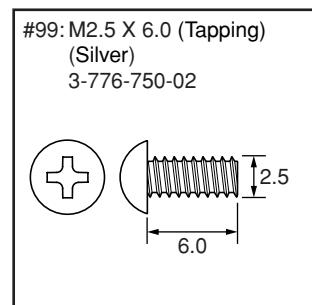
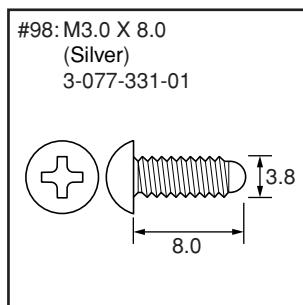
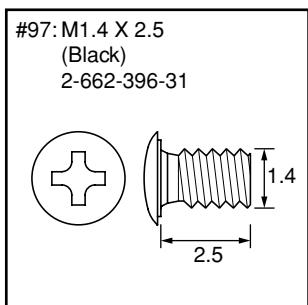
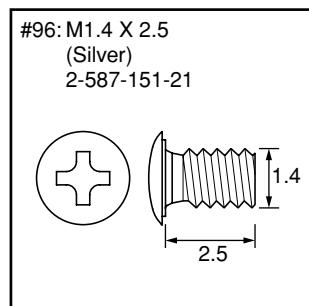
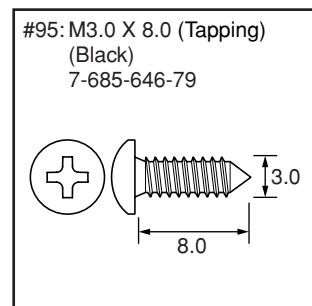
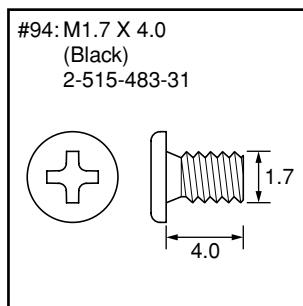
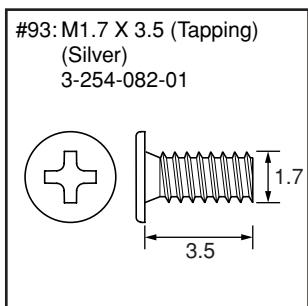
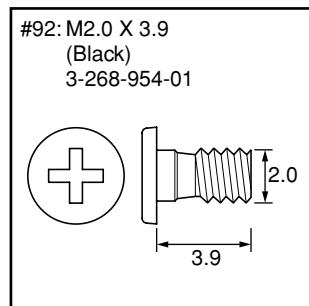
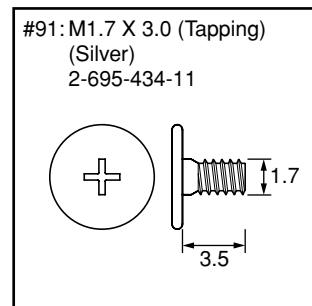
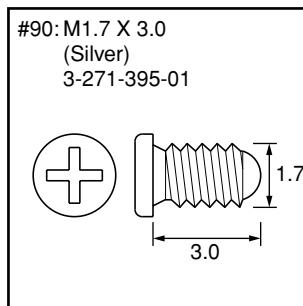
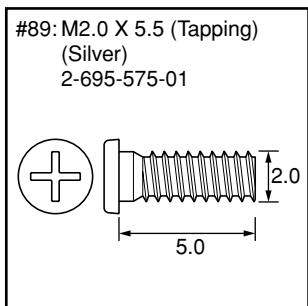
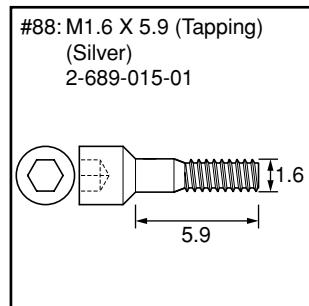
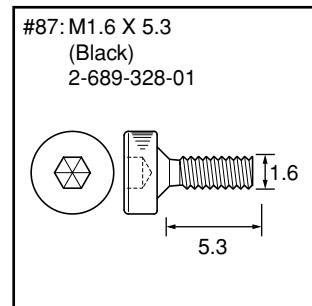
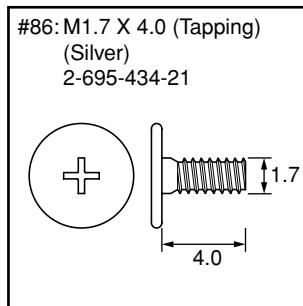
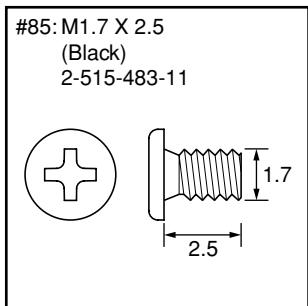
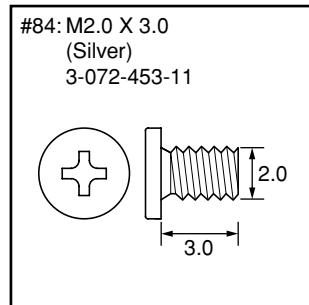
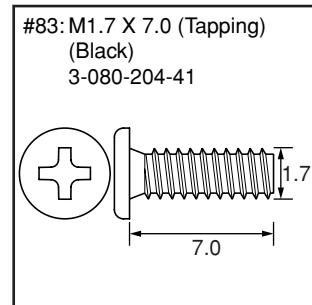
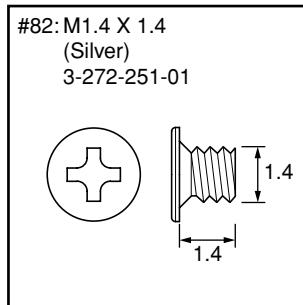
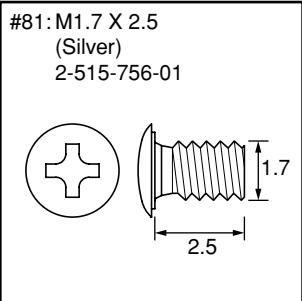
#60: M2.6 X 5.0
(Black)
3-061-062-11



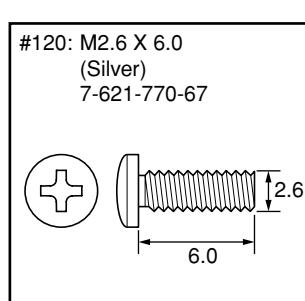
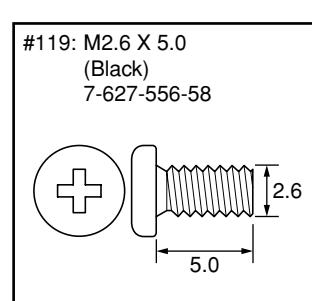
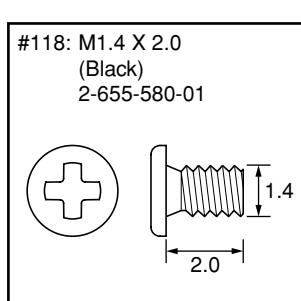
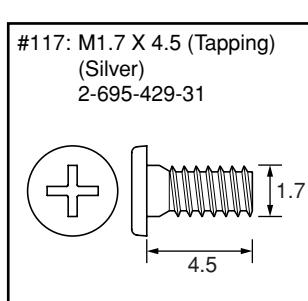
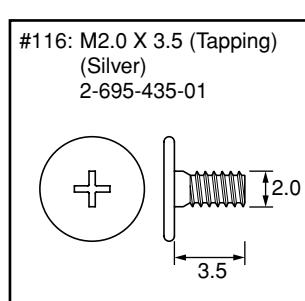
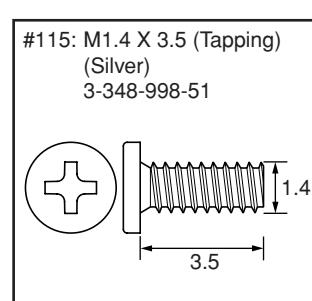
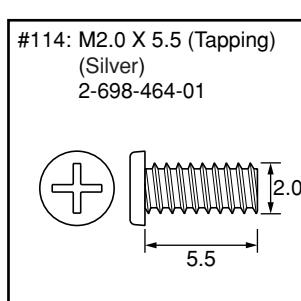
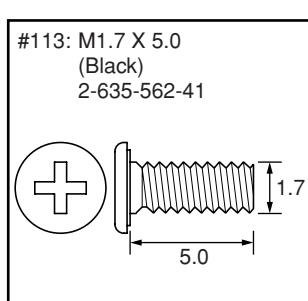
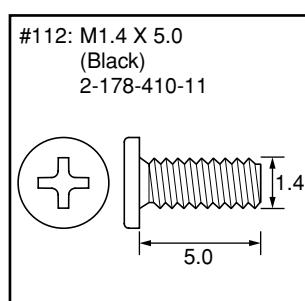
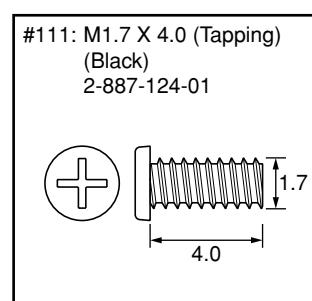
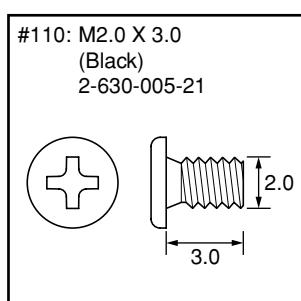
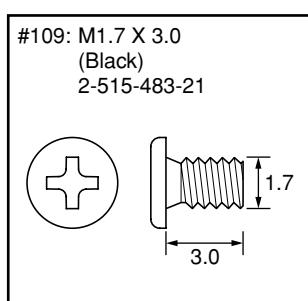
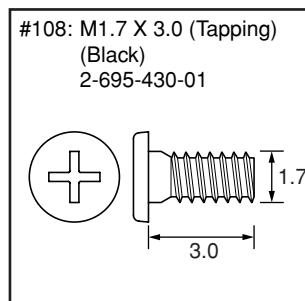
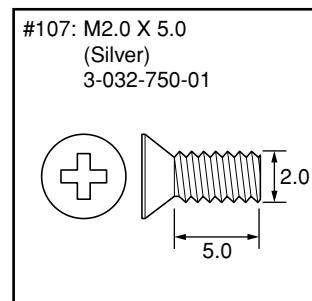
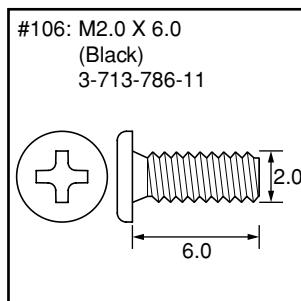
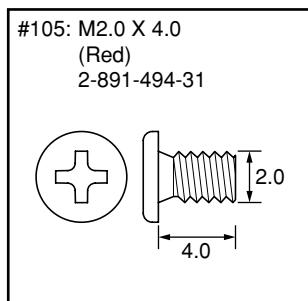
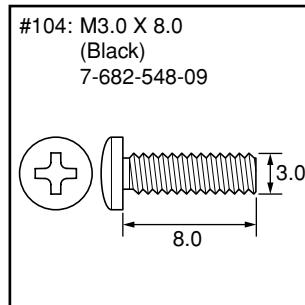
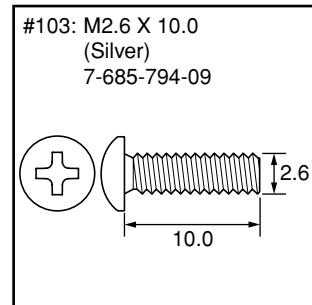
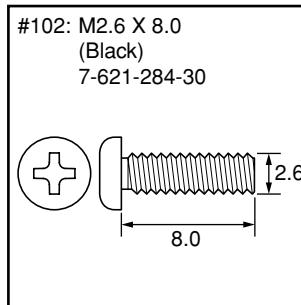
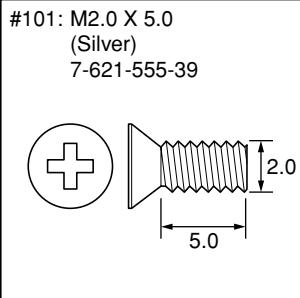
HARDWARE LIST (4/7)



HARDWARE LIST (5/7)

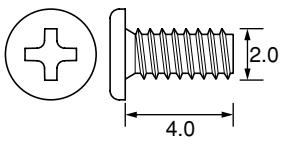


HARDWARE LIST (6/7)

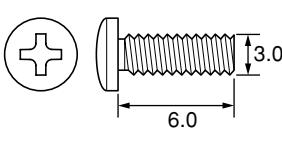


HARDWARE LIST (7/7)

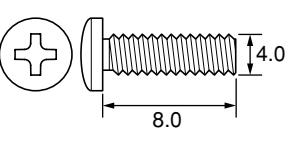
#121: M2.0 X 4.0 (Tapping)
(Silver)
3-080-205-11



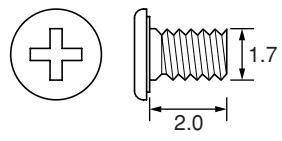
#122: M3.0 X 6.0
(Black)
7-682-547-09



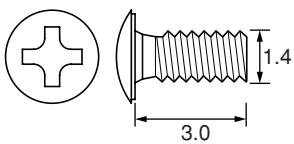
#123: M4.0 X 8.0
(Black)
7-682-561-09



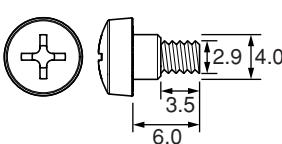
#124: M1.7 X 2.0
(Silver)
2-599-475-01



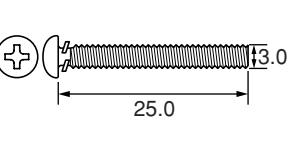
#125: M1.4 X 3.0
(Black)
3-291-847-01



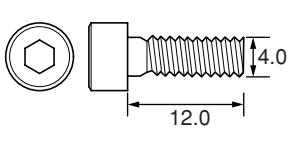
#126: M2.9 X 3.5
(Black)
3-292-616-01



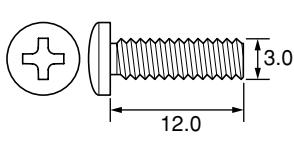
#127: M3.0 X 25.0
(Black)
7-682-654-09



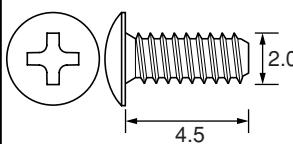
#128: M4.0 X 12.0
(Black)
3-452-472-01



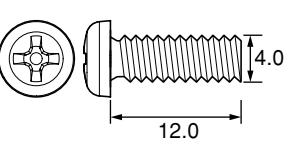
#129: M3.0 X 12.0
(Black)
7-682-550-09



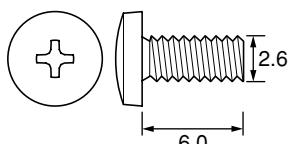
#130: M2.0 X 4.5 (Tapping)
(Silver)
3-732-817-11



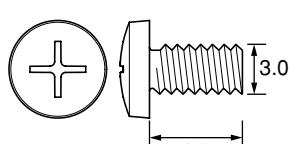
#131: M4.0 X 12.0
(Silver)
3-452-471-01



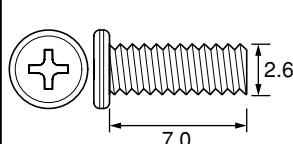
#132: M2.6 X 6.0
(Black)
4-673-655-01



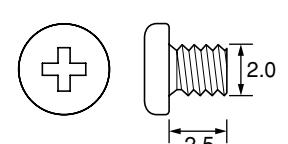
#133: M3.0 X 6.0
(Black)
3-452-484-01



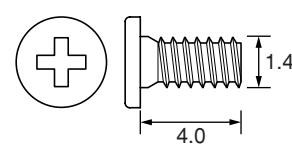
#134: M2.6 X 7.0
(Black)
3-299-572-01



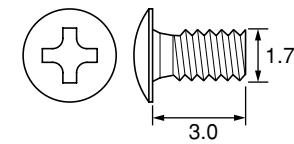
#135: M2.0 X 2.5
(Black)
7-627-553-28



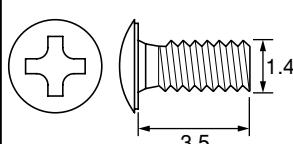
#136: M1.4 X 4.0 (Tapping)
(Black)
3-065-509-11



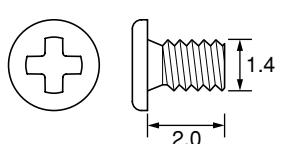
#137: M1.7 X 3.0
(Black)
3-090-976-62



#138: M1.4 X 3.5
(Silver)
4-104-078-01



#139: M1.4 X 2.0
(Silver)
2-655-579-01



Revision History (1/2)

Ver.	Date	History	Contents	S.M. Rev. issued
1.0	2008.02	Official Release	—	—
1.1	2008.03	Revised-1 (A1 DI07-289)	<ul style="list-style-type: none"> • Change of Disassembly • Change of Notes in Schematic Diagrams • Addition of Information in Exploded Views • Correction of Repair Parts <p>S.M. revised: Page 2-13, Page 2-14, Page 2-24, Page 2-25, Page 4-35, Page 5-9, Page 5-13, Page 5-14, Page 5-15, Page 5-25</p>	Yes
1.2	2008.05	Supplement-1 (S1 DI08-055)	<ul style="list-style-type: none"> • Addition of Champagne Gold Model 	No
1.3	2008.05	Revised-2 (A2 DI08-098)	<ul style="list-style-type: none"> • Addition of Thai Model <p>S.M. revised: Page 5-1, Page 5-25</p>	Yes
1.4	2008.07	Supplement-2 (S2 DI08-186)	<ul style="list-style-type: none"> • Addition of LCD Type (SONY TYPE) and Change of LF-057 Flexible Board's Suffix No. • Change of GY-008 Flexible Board's Suffix No. • Change of AE-032 Flexible Board's Suffix No. • Change of Repair Parts • Revision of Accessories <p>S.M. revised: Page 5-25</p>	Yes
1.5	2008.07	Supplement-3 (S3 DI08-195)	<ul style="list-style-type: none"> • Addition of LCD Type (SONY TYPE) and Change of LF-057 Flexible Board's Suffix No. • Change of GY-008 Flexible Board's Suffix No. • Change of AE-032 Flexible Board's Suffix No. • Change of Repair Parts • Revision of Accessories <p>S.M. revised: Page 5-25 This SUPPLEMENT-3 is the revised version of SUPPLEMENT-2. Replace the SUPPLEMENT-2 (9-852-273-82) with the SUPPLEMENT-3. Please discard the SUPPLEMENT-2.</p>	Yes
1.6	2008.09	Supplement-4 (S4 DI08-257)	<ul style="list-style-type: none"> • Correction of Block Diagram • Change of Board's Suffix No. <p>S.M. revised: Page 3-4</p>	Yes
			— Continued on next page —	

Revision History (2/2)

Ver.	Date	History	Contents	S.M. Rev. issued
1.7	2008.10	Supplement-5 (S5 DI08-273)	<ul style="list-style-type: none">• Correction of Block Diagram• Change of Board's Suffix No. <p>S.M. revised: Page 3-4</p> <p>This SUPPLEMENT-5 is the revised version of SUPPLEMENT-4.</p> <p>Replace the SUPPLEMENT-4 (9-852-273-85) with the SUPPLEMENT-5.</p> <p>Please discard the SUPPLEMENT-4.</p>	Yes
1.8	2009.06	Supplement-6 (S6 09-026)	<ul style="list-style-type: none">• Change of Board's Suffix No.• Change of Repair Parts• Revision of Accessories <p>S.M. revised: Page 5-25</p>	Yes