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Outline of Assemble and Disassemble

1. Caution

1. Be sure to use the anti-static mat and wrist strap to prevent static failure of circuits.

2. This product is used lead free solder.

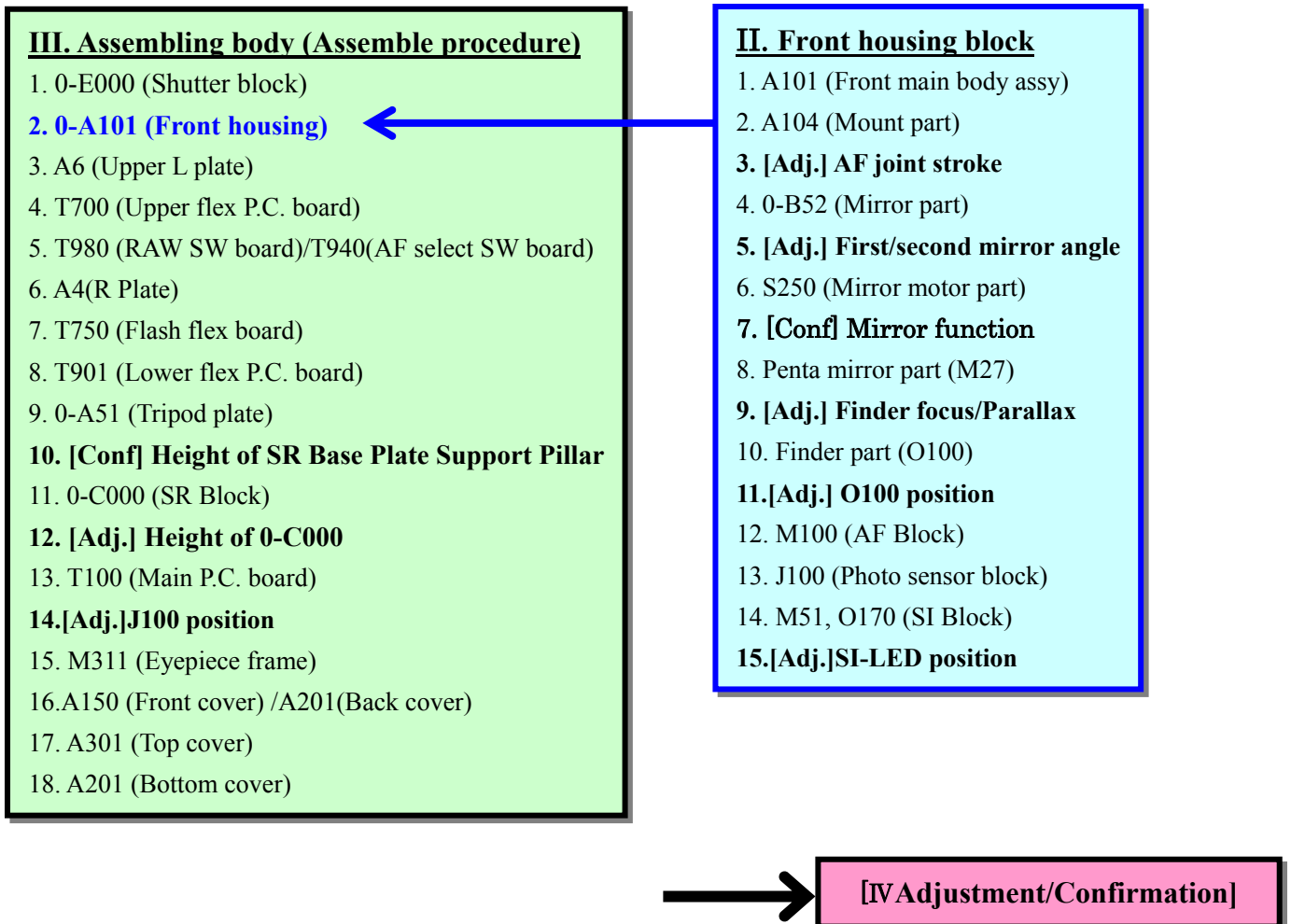
Surface of solder will be white-tinged color. Solder quickly, because melting temperature is high and so if heat too much, it is possible to damage to PC board. Soldering iron requirement: The temperature can be adjusted up to 400°C and exclusive use for lead free solder. Also it is desirable to use antistatic soldering iron. The temperature for tip of soldering iron must set between **340°C~360°C** for lead free solder.

3. Do not stress to the connector terminals and flexible boards because they are very delicate parts. Pay careful attention to the connector terminals and flexible boards and, we recommend marking to the flexible board before disconnecting them. This will be helpful to reconnect the flexible board to the connector terminal properly.

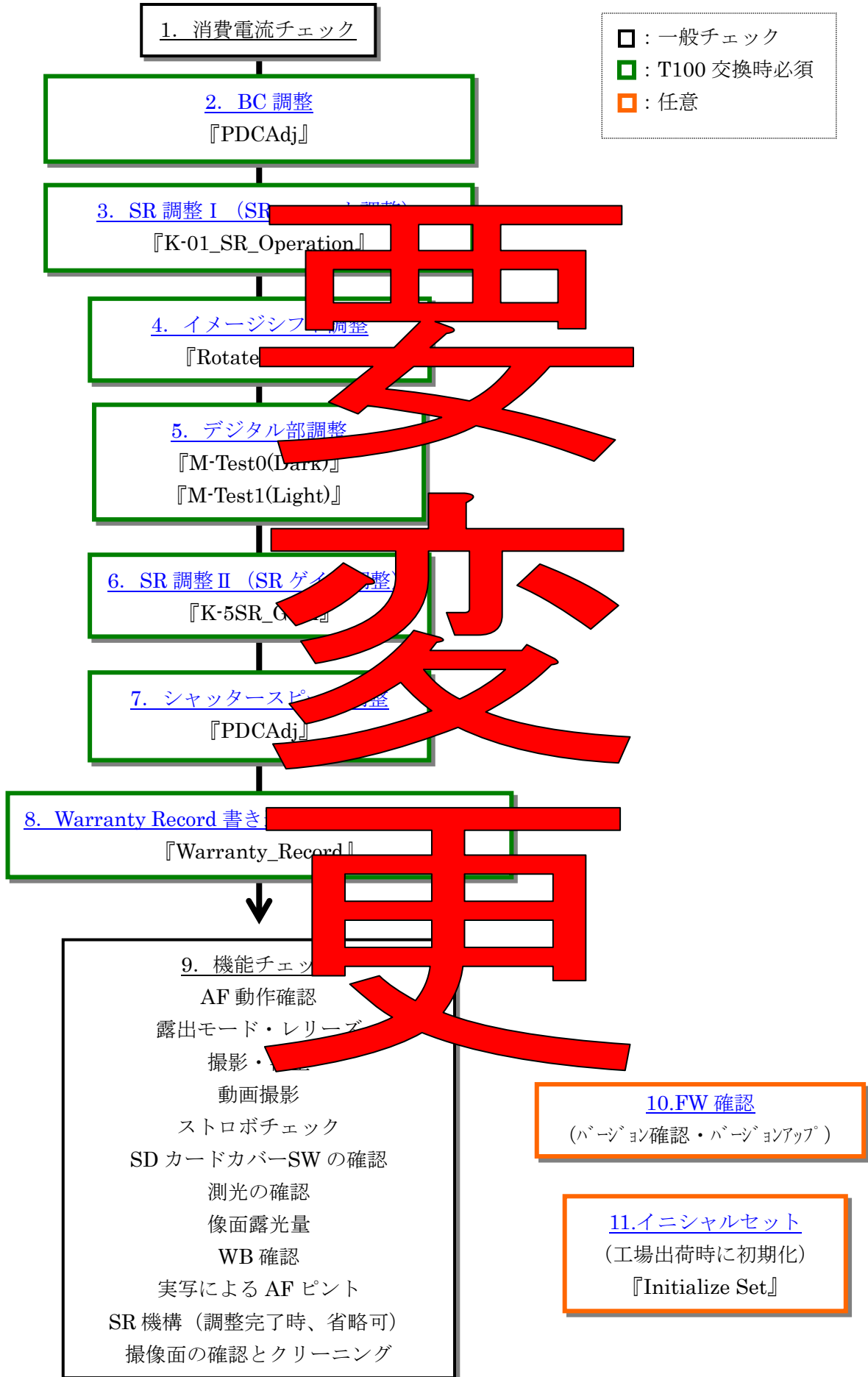
4. Paste parts of that tape and etc. Follow the instructions in the service manual paste, so there is no float or drift. Specially, there is a risk of a short copper foil tape and gaskets to connector.

(If adhesive tape of glue weaken, it must replace to new one.)

2. Flow chart for assembling body and Front housing



3. 「II. 調整・確認」のフロー



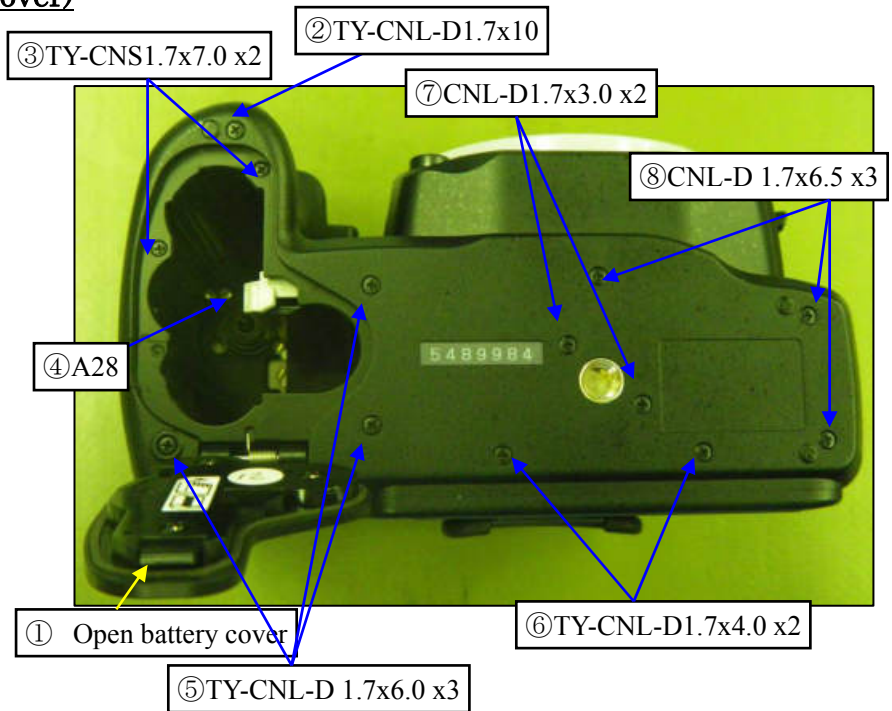
Assembly and Disassembly

I. Disassembly procedure of main body

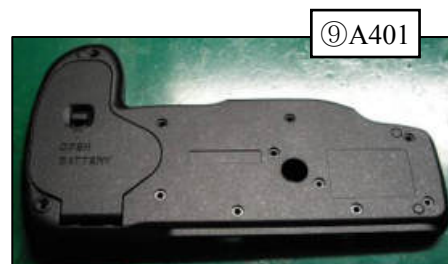
Preparation: Removing hot shoe cover and etc. from camera body.

1. Removing A401(Bottom cover)

- ① Open battery cover.
- ② TY-CNL-D1.7x10
- ③ TY-CNS1.7x7.0 x2
- ④ A28
- ⑤ TY-CNL-D1.7x6.0 x3
- ⑥ TY-CNL-D1.7x4.0 x2
- ⑦ CNL-D1.7x3.0 x2
- ⑧ CNL-D 1.7x6.5 x3

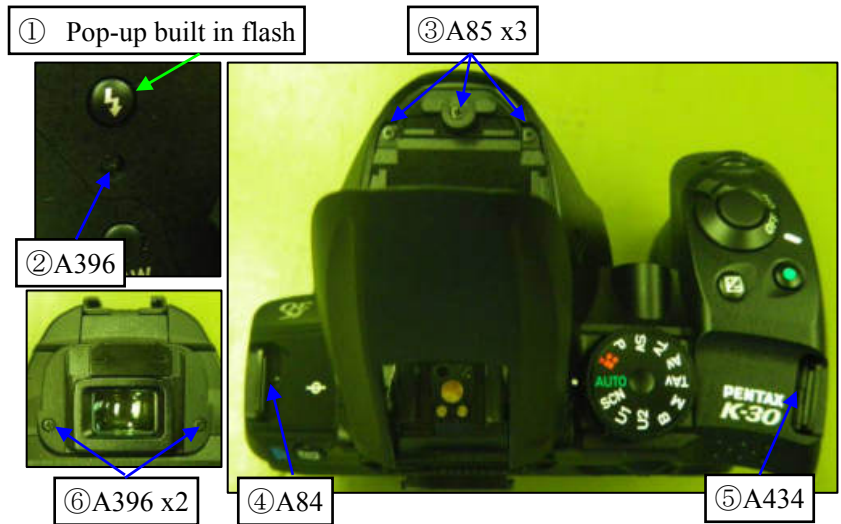


- ⑨ A401

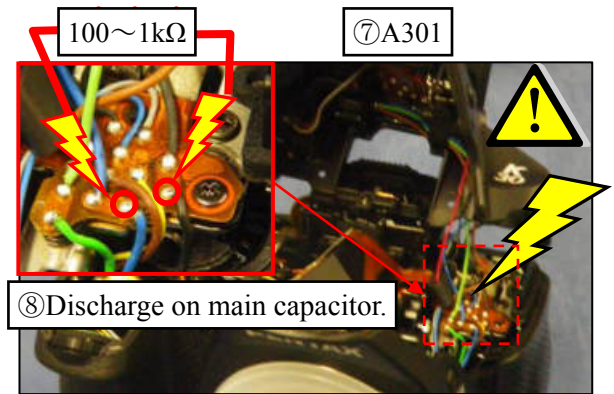


2. Removing 0-A301(Top cover)

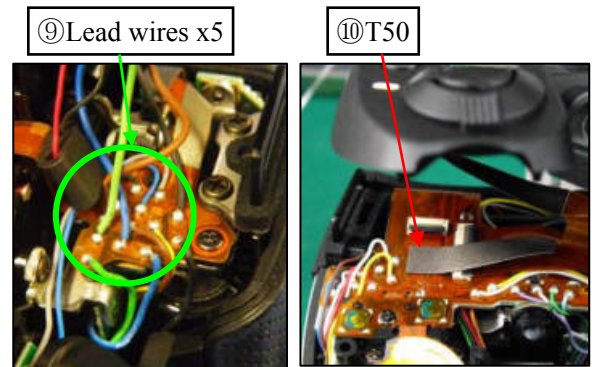
- ① Pop-up built-in flash
- ② A369
- ③ A85 x3
- ④ A84
- ⑤ A434
- ⑥ A396 x2



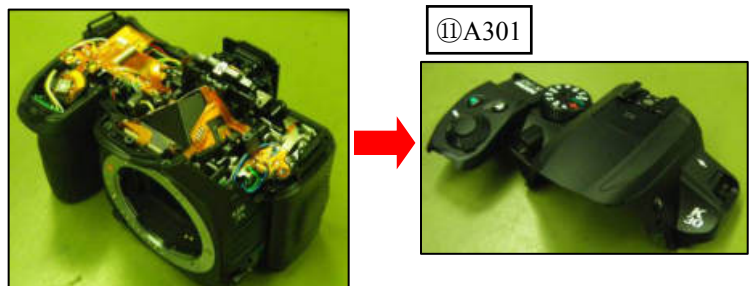
- ⑦ Lift up A301
- ⑧ Discharge on main capacitor.



- ⑨ Unsolder 5 lead wires from A301.
- ⑩ Removed T50 F.P.C from connector.

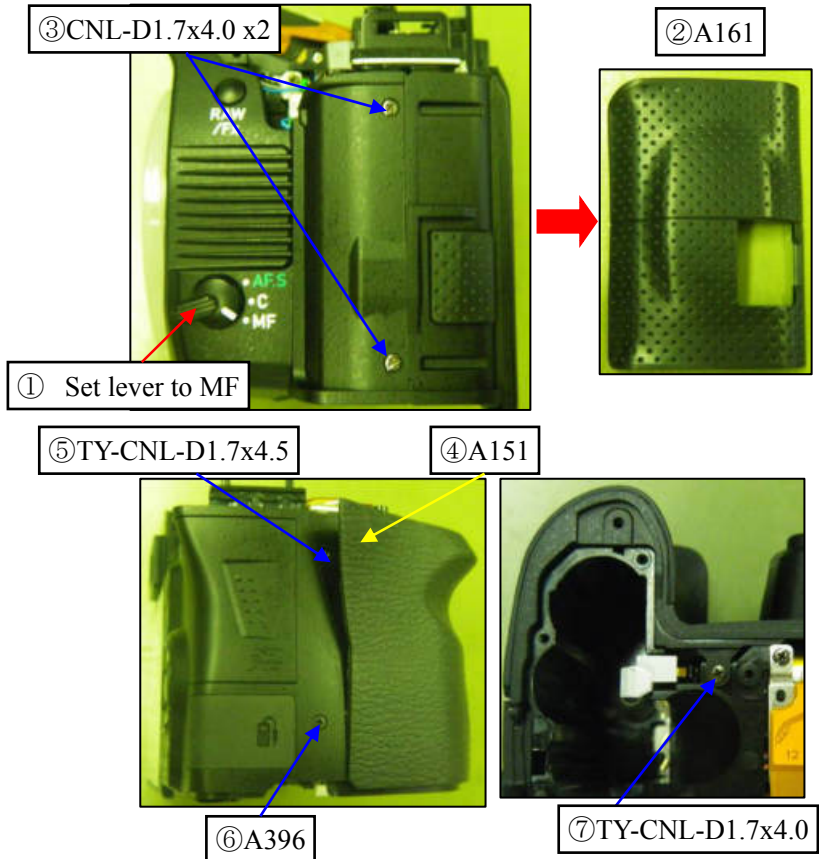


- ⑪ A301

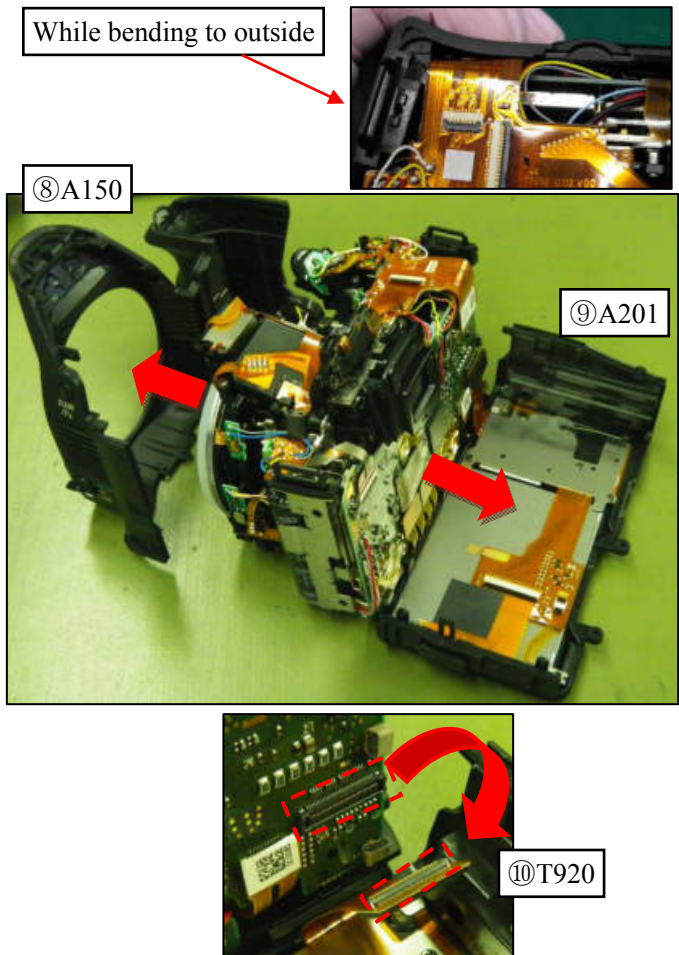


3. Removing A150(Front cover)/A201(Rear cover)

- ① Set AF mode lever to MF
- ② A161
- ③ CNL-D1.7x4.0 x2
- ④ Peel off part of A151
- ⑤ TY-CNL-D1.7x4.5
- ⑥ A396
- ⑦ TY-CNL-D1.7x4.0

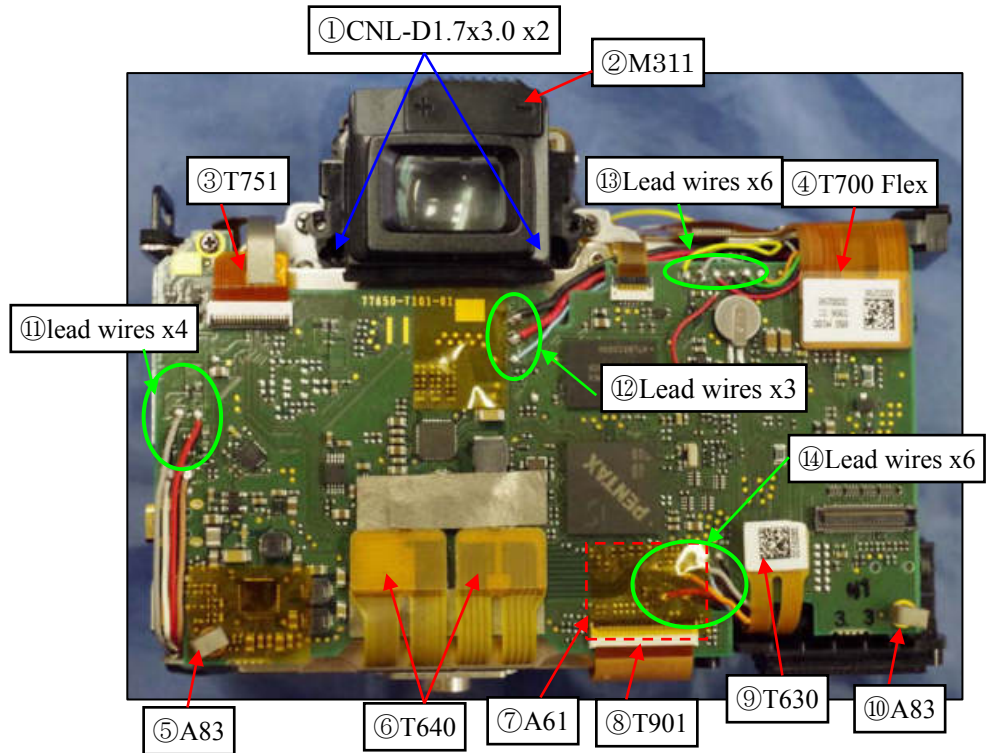


- ⑧ A150
- ⑨ A201
- ⑩ T920

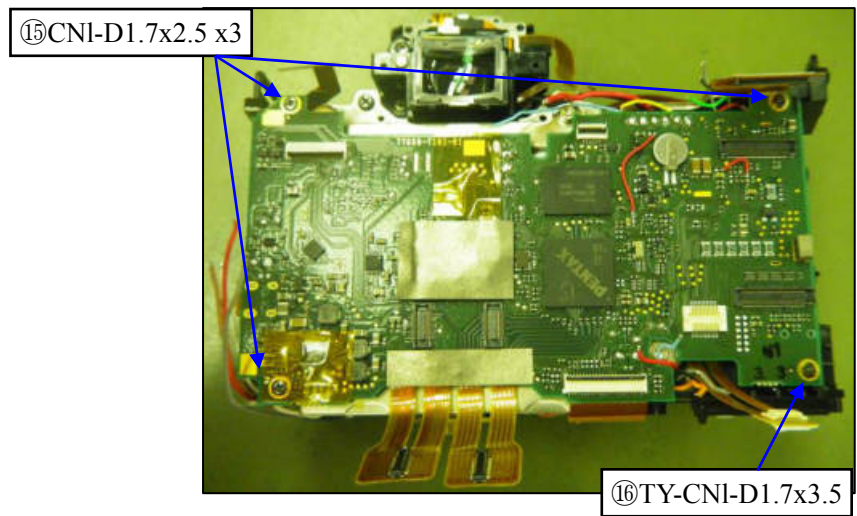


4. Removing T100(Main P.C. board)

- ① CNL-D1.7x3.0 x2
- ② M311
- ③ T751
- ④ T700 flex
- ⑤ A83
- ⑥ T640
- ⑦ Peel off A61
- ⑧ T901
- ⑨ T630
- ⑩ A83
- ⑪ Unsolder 4 lead wires
- ⑫ Unsolder 3 lead wires
- ⑬ Unsolder 6 lead wires
- ⑭ Unsolder 6 lead wires



- ⑮ CNL-D1.7x2.5 x3
- ⑯ TY-CNL-D1.7x3.5



- ⑰ T100

⑰ T100



5. Removing 0-C000 (SRBlock)

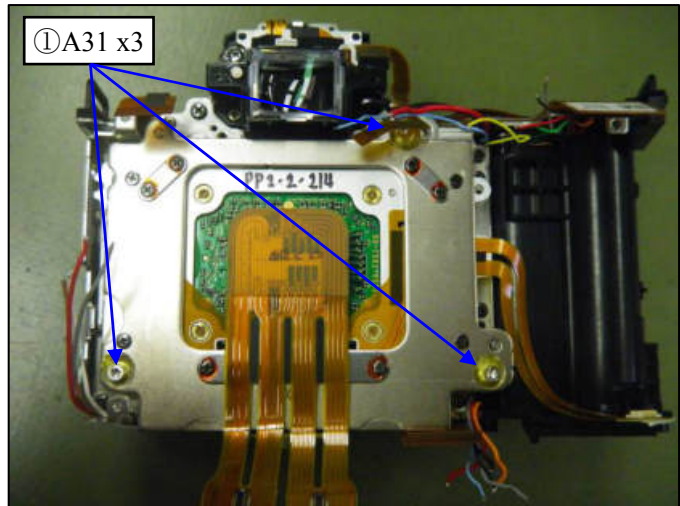
[Requires equipment] Hexagon wrench 1.5mm

[CAUTION 1] Pay attention, there is powerful magnet is carried in the SR block.

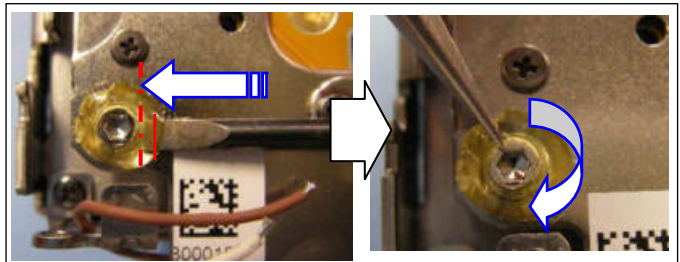
[CAUTION 2] Since performance can be damaged, the SR block cannot be disassembled and also don't apply the external pressure to a movable part.

[CAUTION 3] The flex from SR block should be taken care, otherwise it will affect the performance of SR function.

① A31x3

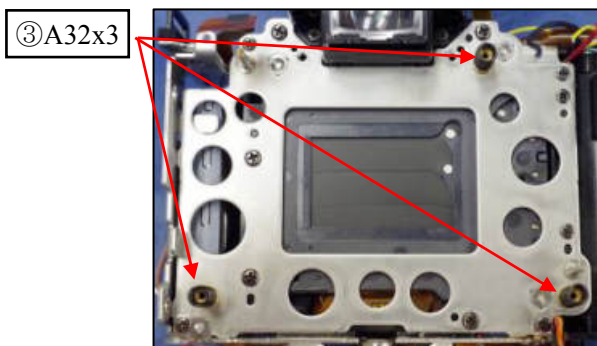


Peel off part of glue by tool then turn screw.

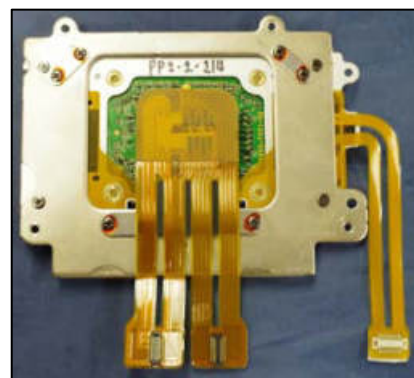


② 0-C000

③ A32x3

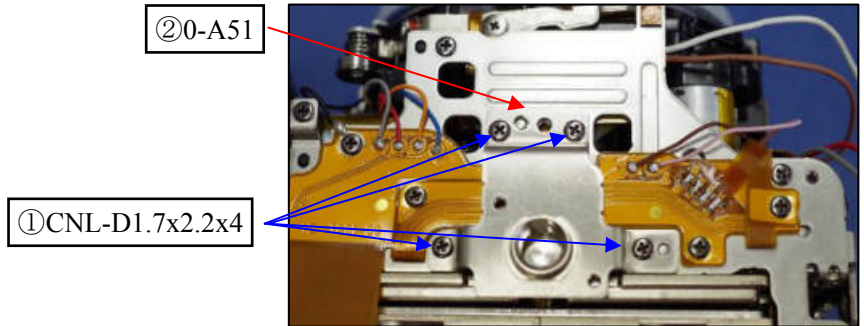


② 0-C000



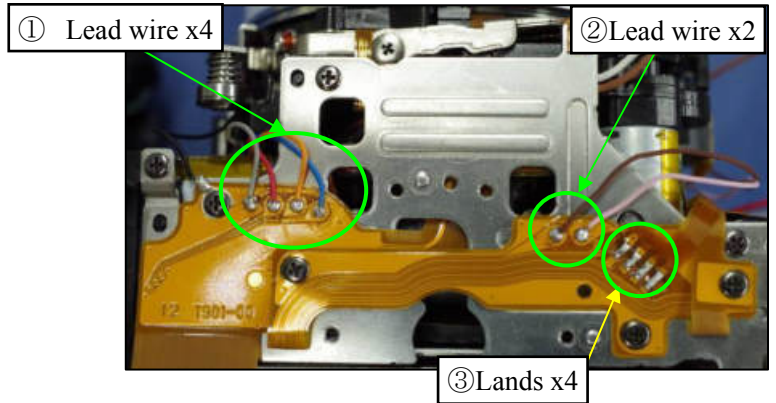
6. Remving 0-A51 (Tripod plate)

- ① CNL-D1.7x2.2x4
- ② 0-A51

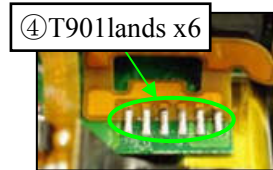


7. Removing T901

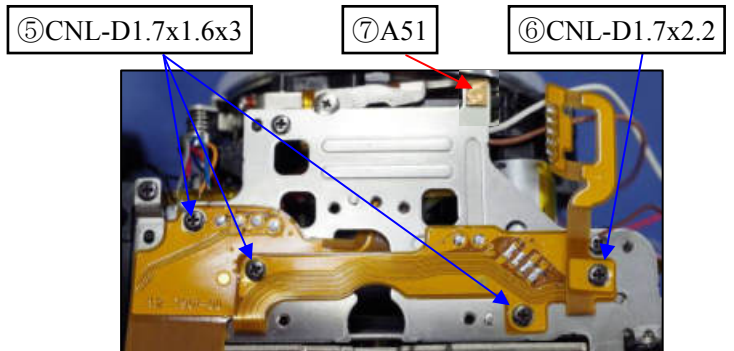
- ① Unsolder lead wire from T941(2 pcs)
- ② Unsolder lead wire from T72 (4pcs)
- ③ Unsolder lands (4pcs)



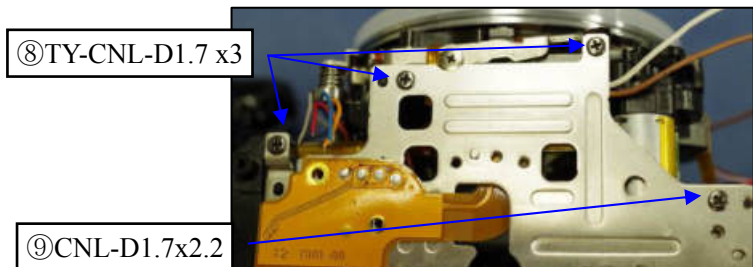
- ④ Unsolder lands (6pcs)



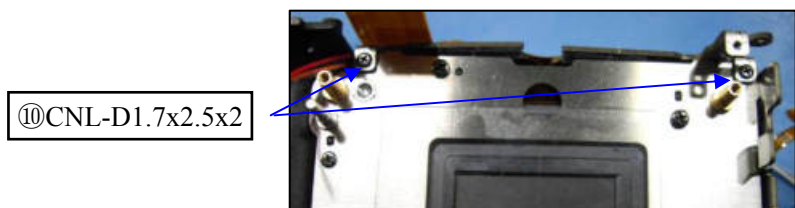
- ⑤ CNL-D1.7x1.6x3
- ⑥ CNL-D1.7x2.2
- ⑦ A51



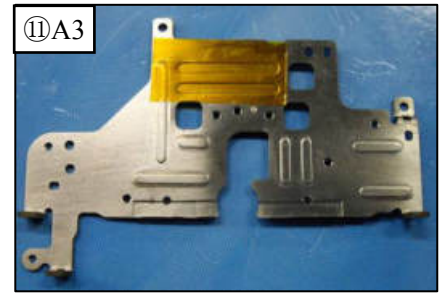
- ⑧ TY-CNL-D1.7x3
- ⑨ CNL-D1.7x2.2



- ⑩ CNL-D1.7x2.5x2

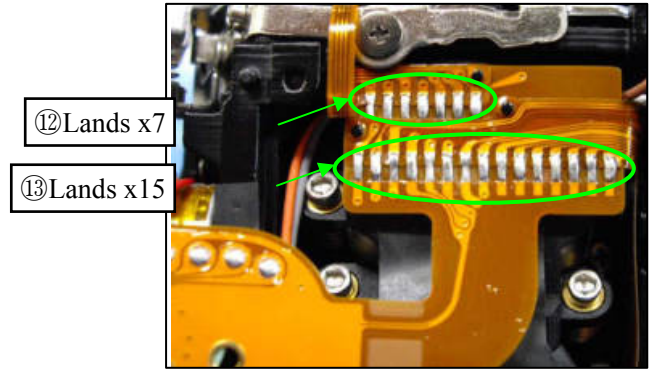


⑪ A3

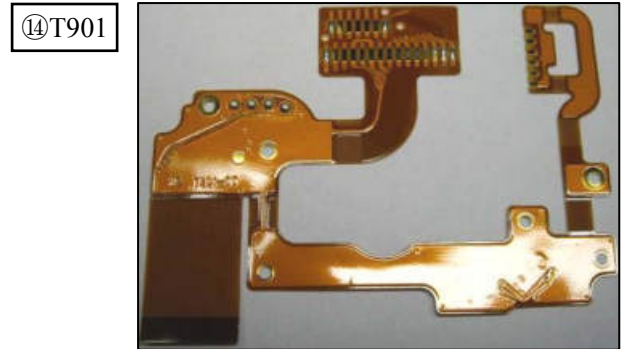


⑫ Unsolder lands (7pcs)

⑬ Unsolder lands (15pcs)



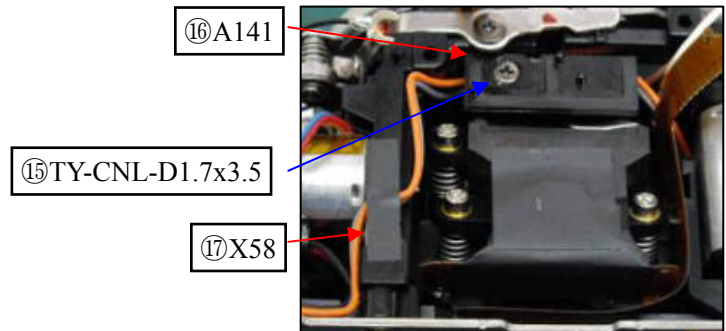
⑭ T901



⑮ TY-CNL-D1.7x3.5

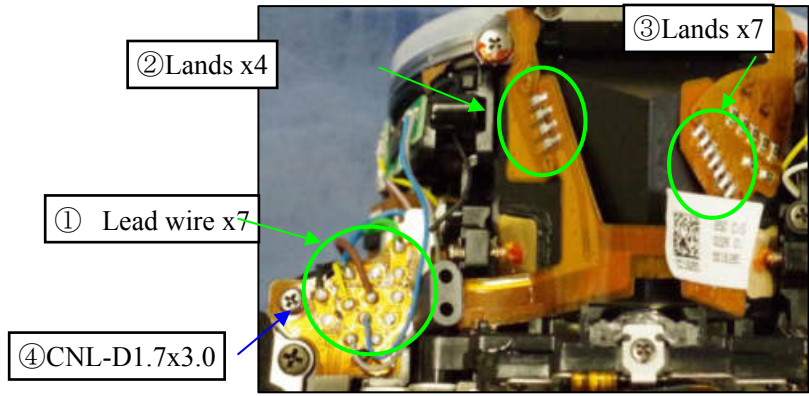
⑯ A141

⑰ X58

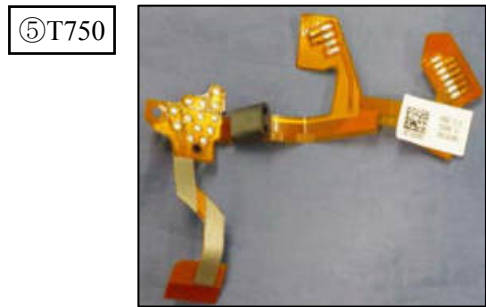


8. Removing T750 (Flash PC board)

- ① Unsolder lead wire (7pcs)
- ② Unsolder lands (4pcs)
- ③ Unsolder lands(7pcs)
- ④ CNL-D1.7x3.0

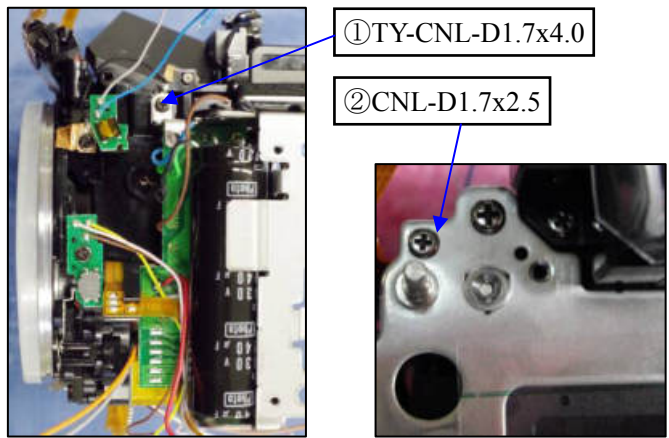


- ⑤ T750

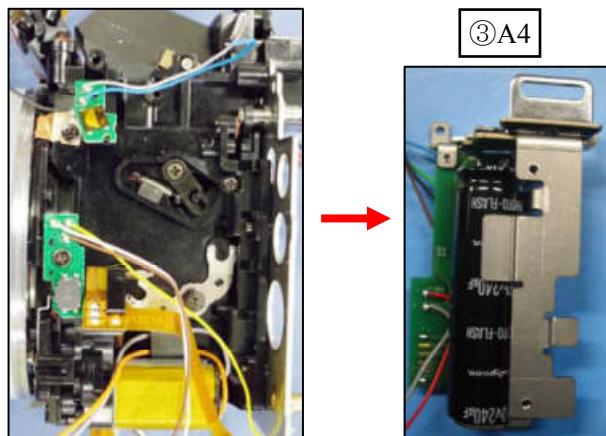


9. Removing A4(R plate)

- ① TY-CNL-D1.7x4.0
- ② CNL-D1.7x2.5

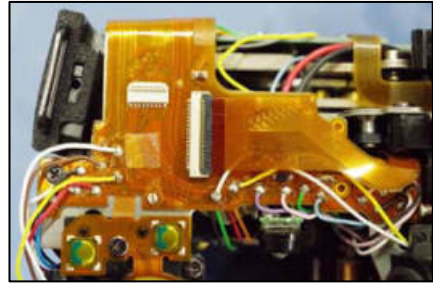


- ③ A4

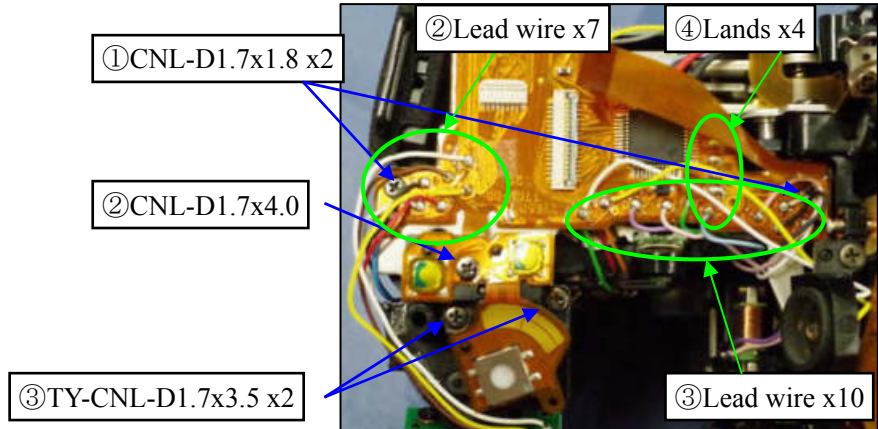


10. Removing T700 (Upper relay Flex Circuit Block)

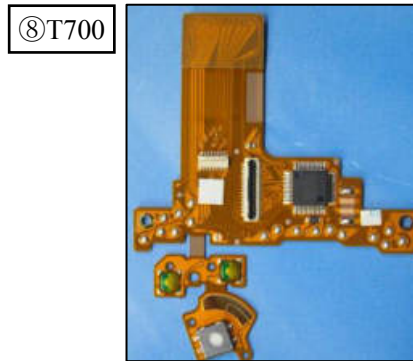
① Disconnect flex from O100



- ② Unsolder lead wire (7pcs)
- ③ Unsolder lead wire (10pcs)
- ④ Unsolder lands (4pcs)
- ⑤ CNL-D1.7x1.8x2
- ⑥ CNL-D1.7x4.0
- ⑦ TY-CNL-D1.7x3.5x2

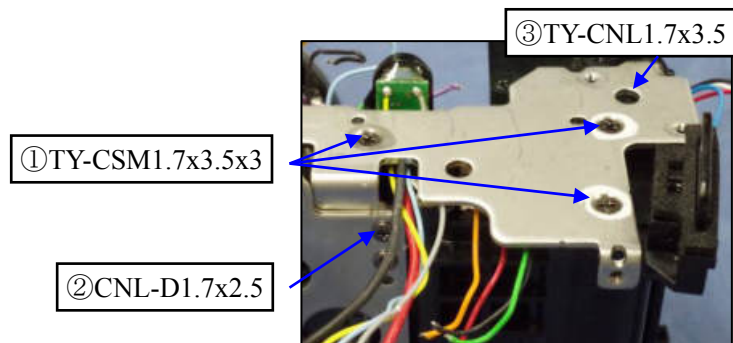


⑧ T700



11. Removing A6(G Shoulder Plate)

- ① TY-CSM1.7x3.5x3
- ② CNL-D1.7x2.5
- ③ TY-CNL1.7x3.5

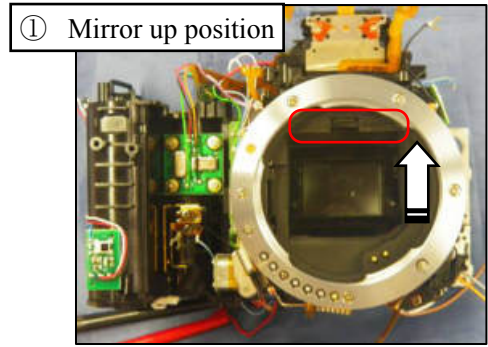


④ A6

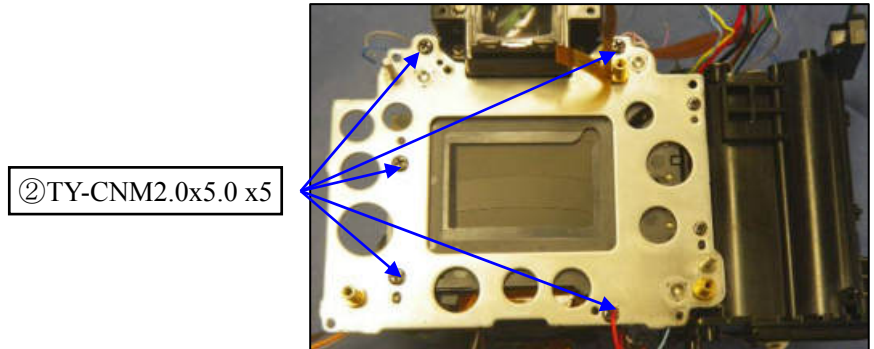


12. Removing 0-A101(Front Housing assy)

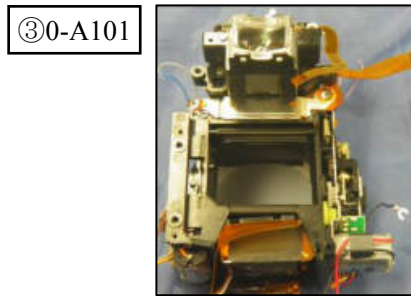
① Apply DC 2V to G200 and set mirror up position.



② TY-CNM2.0x5.0x5

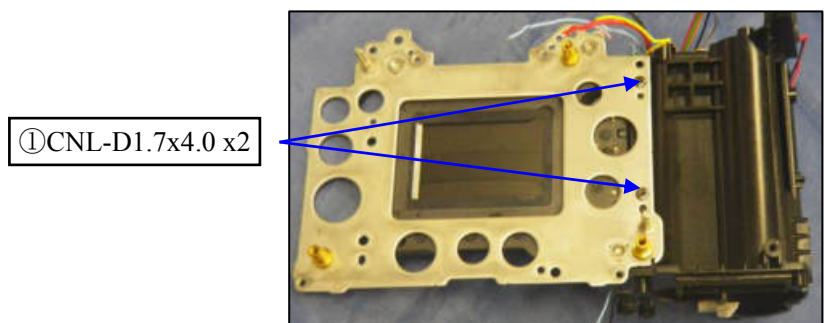


③ 0-A101

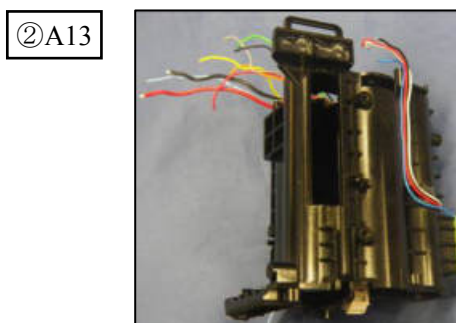


13. Removing A13(Battery Case assy and related parts)

① CNL-D1.7x4.0x2



② A13



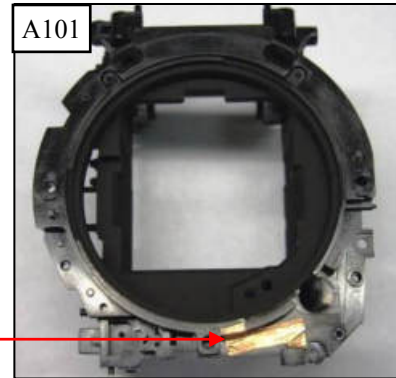
II . Assembly and disassembly procedure of front housing block

*Disassemble the front housing block in reverse of assembly procedures.

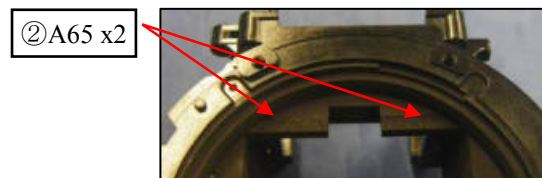
*Some pictures are previous product but basic structure is the same.

1. Assembling A101(Front housing block)

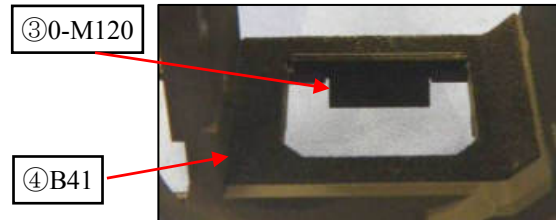
① Stick A89



② Stick A65 x2



③ Stick 0-M120



④ Stick B41



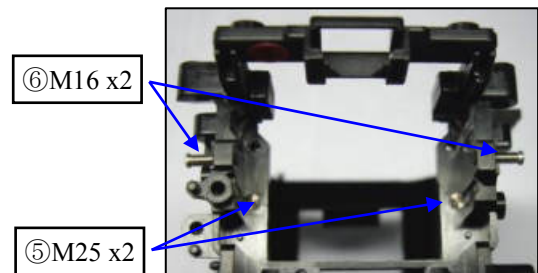
[Caution] There is no gap, no come off and no crinkle.

There is no dust, no scratch and no paint comes off.

⑤ M16 x2

(Temporarily install M16 as shown in figure)

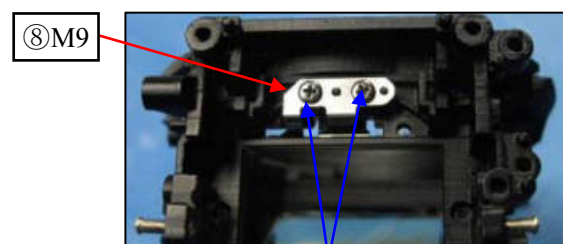
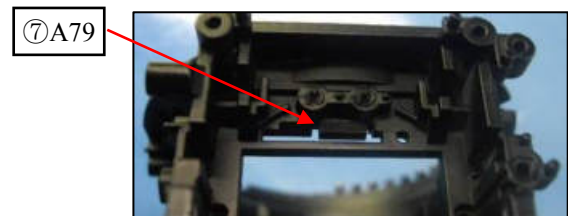
⑥ M25 x2



⑦ Stick A79

⑧ M9

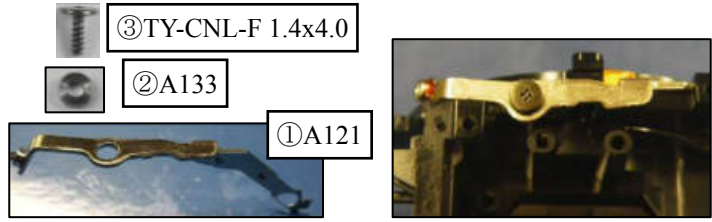
⑨ TY-CNL-D 1.7x3.5 x2



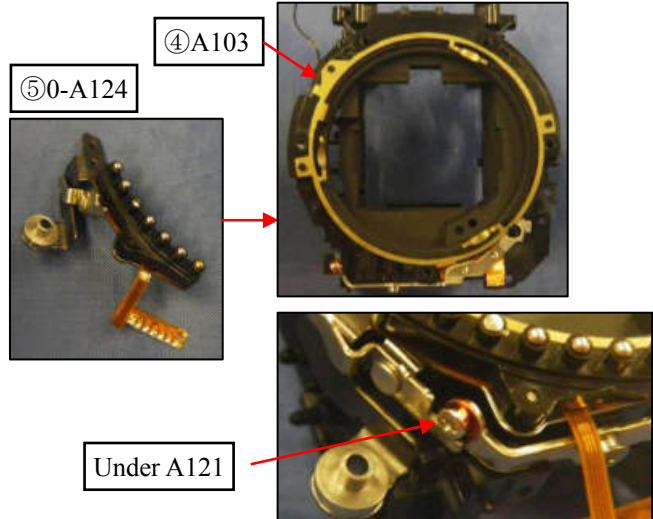
⑨TY-CNL-D 1.7x3.5 x2

2. Assembling A104 (Mount part)

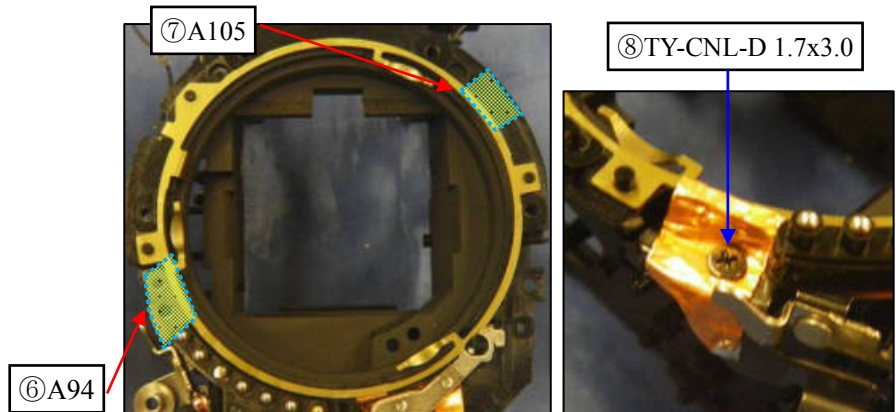
- ① A121
- ② A133
- ③ TY-CNL-F 1.4x4.0



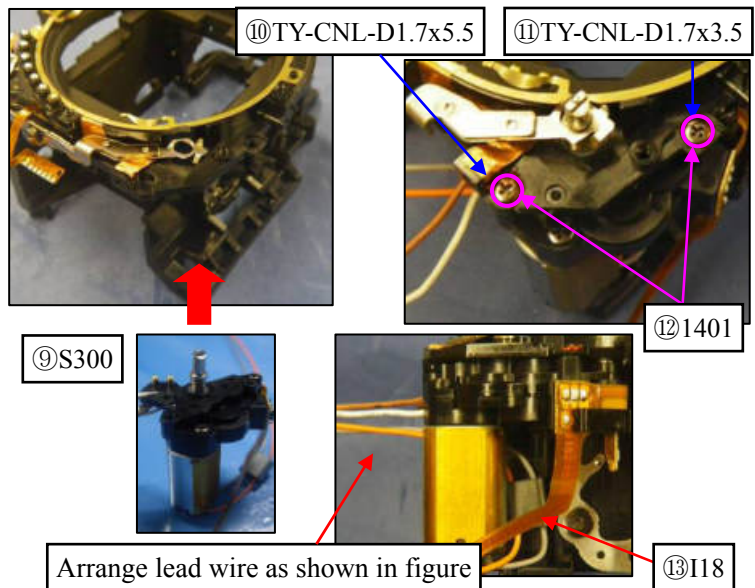
- ④ A103
- ⑤ 0-A124



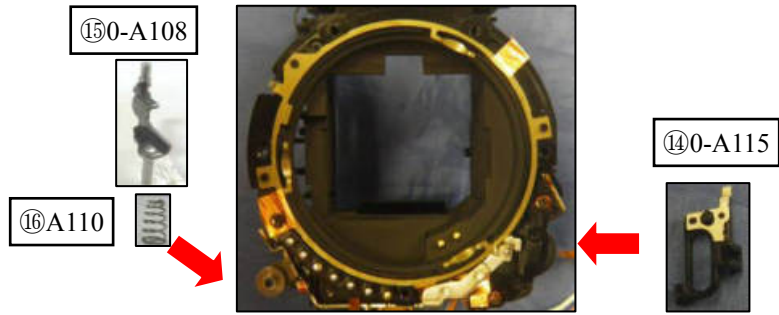
- ⑥ Stick A94
- ⑦ Stick A105
- ⑧ TY-CNL-D 1.7x3.0



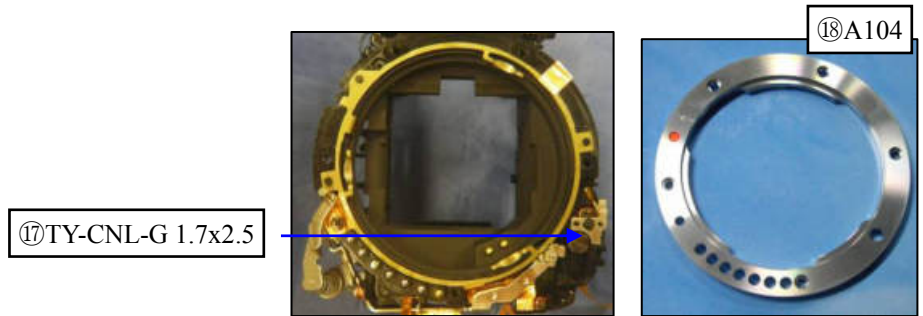
- ⑨ S300
- ⑩ TY-CNL-D1.7x5.5
- ⑪ TY-CNL-D1.7x3.5
- ⑫ Apply screw lock 1401
- ⑬ Stick I18 by DT(5x7)



- ⑭ 0-A115
- ⑮ 0-A108
- ⑯ A110

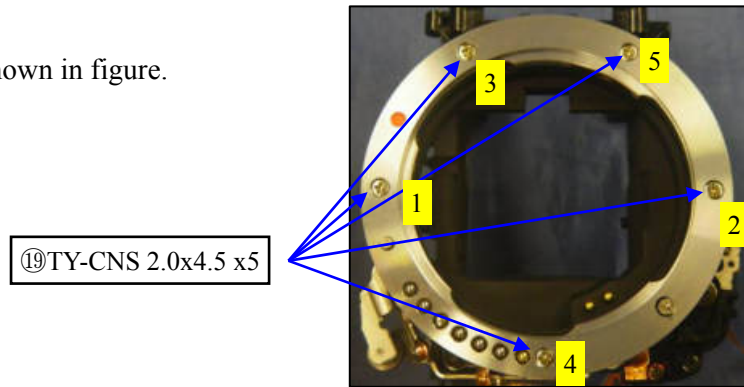


- ⑰ TY-CNL-G 1.7x2.5
- ⑱ A104



- ⑲ TY-CNS 2.0x4.5 x5

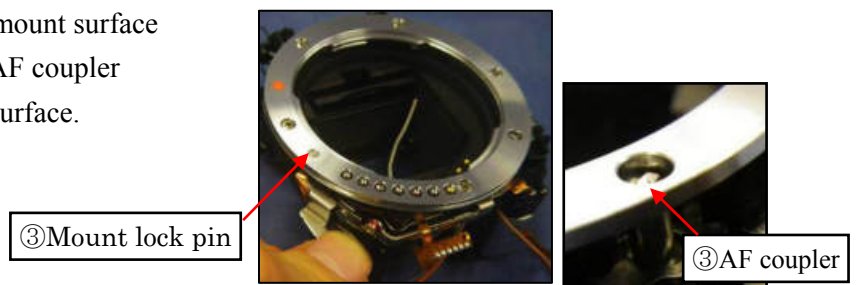
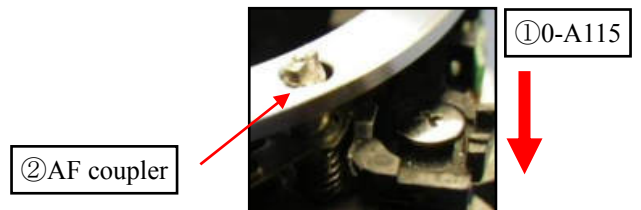
*Tighten screw diagonally as shown in figure.



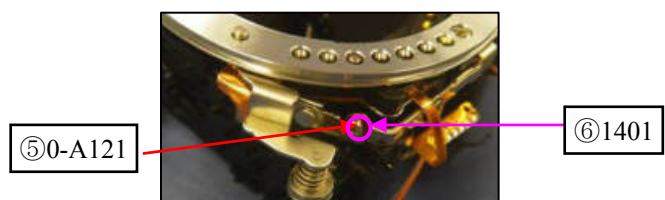
3. [Adjustment] AF Joint stroke

Preparation: Vernier calipers

- ① Set the AF lever (0-A115) to the AF position.
- ② AF coupler (0-S300) must be projected from the mount surface by 1.2mm or more.
- ③ When the mount lock pin comes to the mount surface with pressing the mount lock lever, the AF coupler must not be projected out of the mount surface.

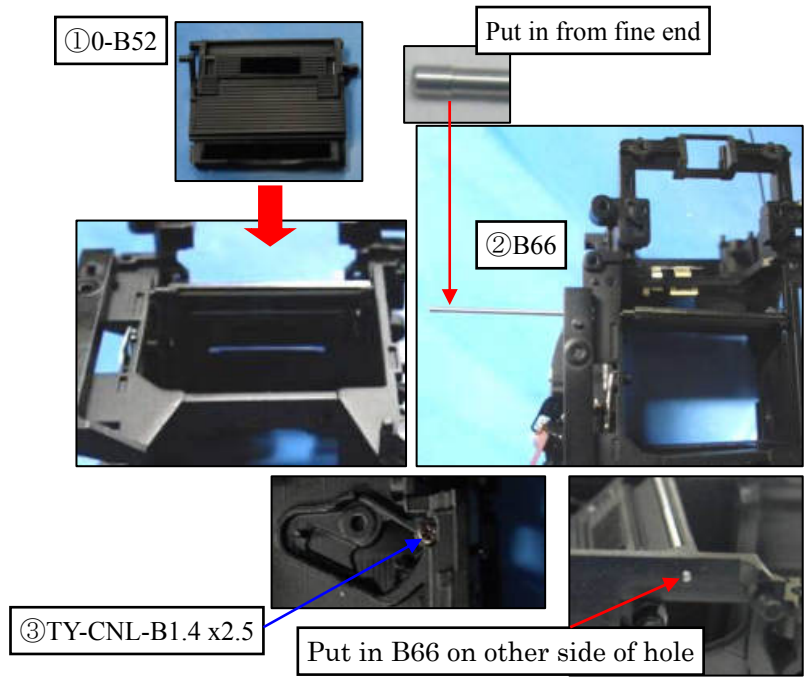


- ⑤ Adjust 0-A121 by turning an eccentric screw.
- ⑥ After adjust, apply the screw lock 1401.

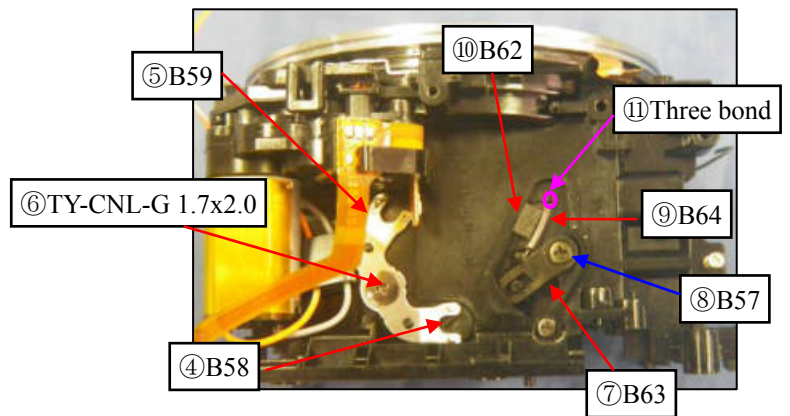


4. 0-B52(Mirror part)

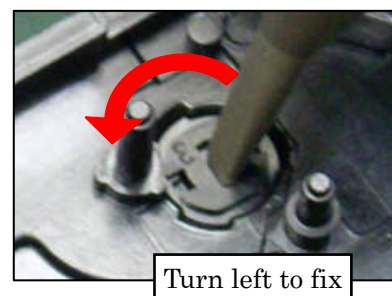
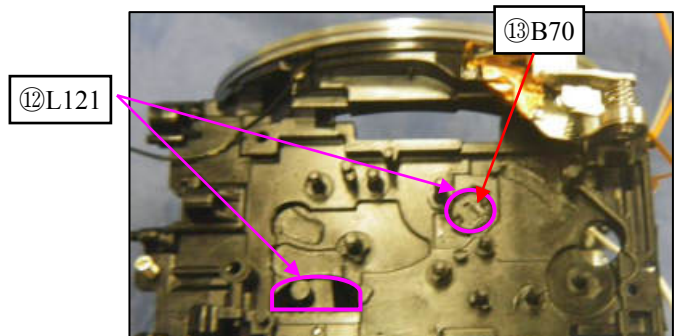
- ① 0-B52
- ② B66
- ③ TY-CNL-B 1.4x2.5



- ④ B58
- ⑤ B59
- ⑥ TY-CNL-G 1.7x2.0
- ⑦ B63
- ⑧ B57
- ⑨ B64
- ⑩ B62
- ⑪ Apply Three bond



- ⑫ Apply L121 two position
- ⑬ B70



5. [Adjustment] Positioning 1st and 2nd mirror

[Required equipment] 1st mirror angle (45°) adjustment tool,

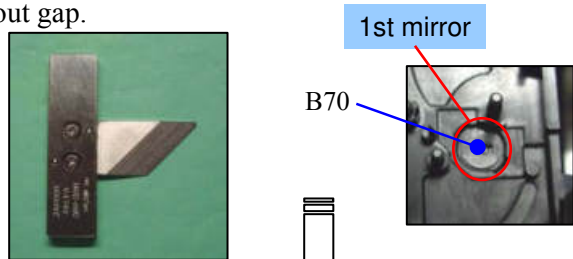
Mirror angle adjusting for 27830 (need modify), Mirror positioning scope.

* Adjustment is performed by turning B70 and B58 (1 pcs). The Y-axis (the vertical direction) is adjusted to a 0 target.

* Front housing must set mirror down position.

① Position 1st mirror : Put the 1st mirror angle (45°) adjusting tool on the camera, and then adjust the mirror seat so that the adjusting tool touches the mirror without gap.

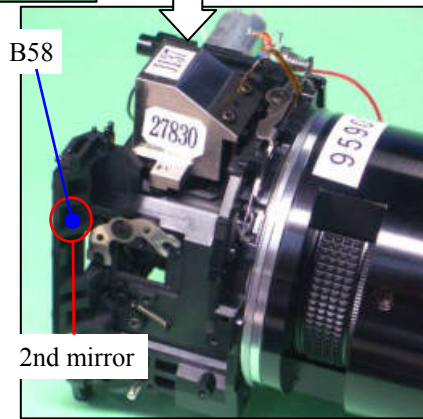
Tolerance ---X-axis : $\pm 10'$
Y-axis : $\pm 10'$



② Positioning 2nd mirror : Attach the mirror positioning scope and the 2nd mirror angle adjusting tool to the camera, and then adjust the mirror angle while looking through the eyepiece lens.

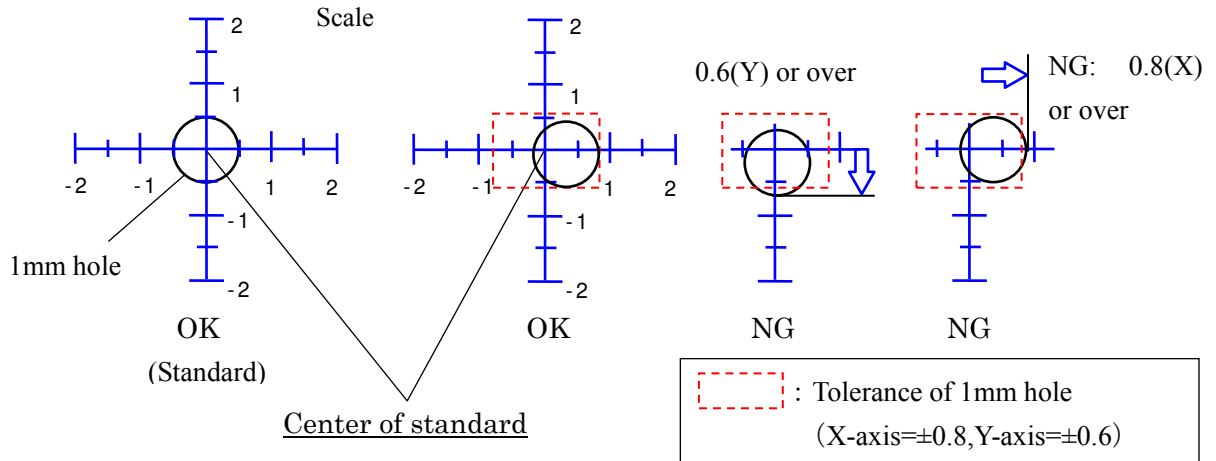
Tolerance ---X-axis : $\pm 0.3\text{mm}$
Y-axis : $\pm 0.1\text{mm}$

(Refer to below tolerance for positioning scope)

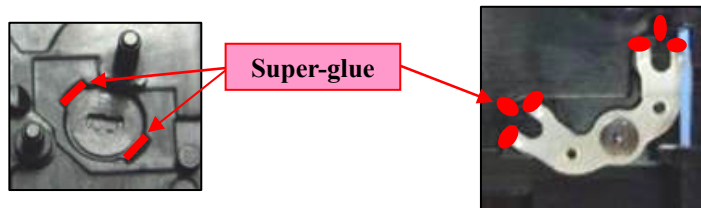


■ Tolerance for 2nd mirror position

(Using with the mirror positioning scope)



③ After adjusting and confirming, apply Super-glue as shown in figure.



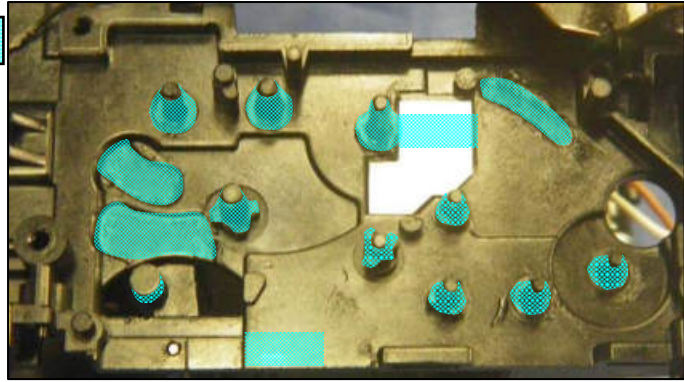
④ B71, B72--- Surely affix without any gap.



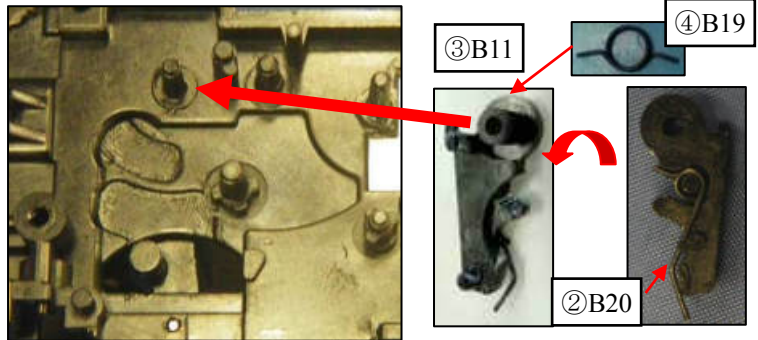
6. S250(Mirror moter part)

① Apply G171 as shown in figure

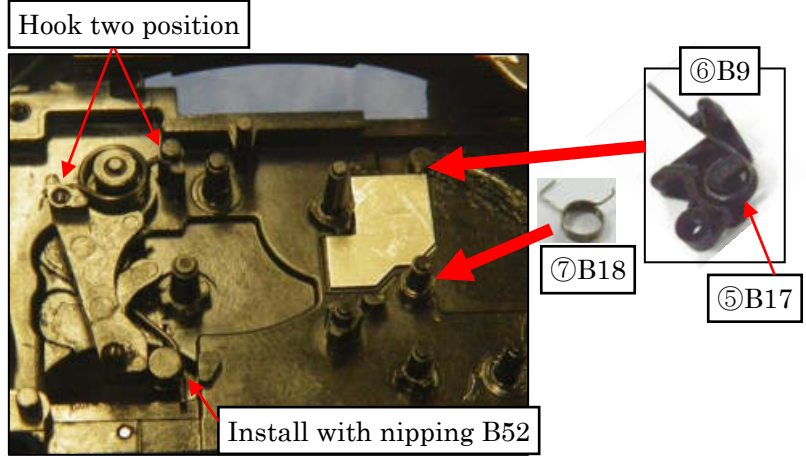
G171



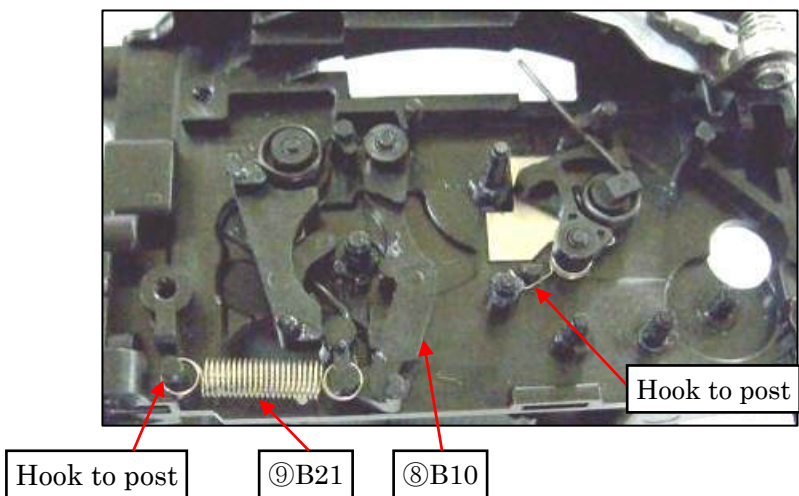
- ② Install B20 to B11
- ③ B11
- ④ B19



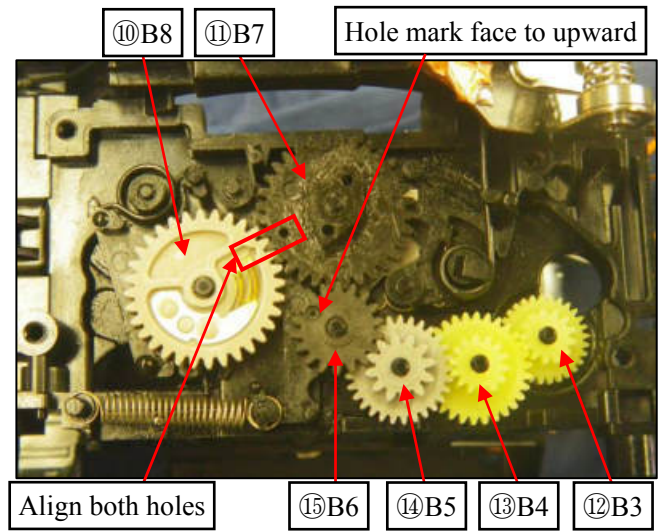
- ⑤ Install B17 to B9
- ⑥ B9
- ⑦ B18



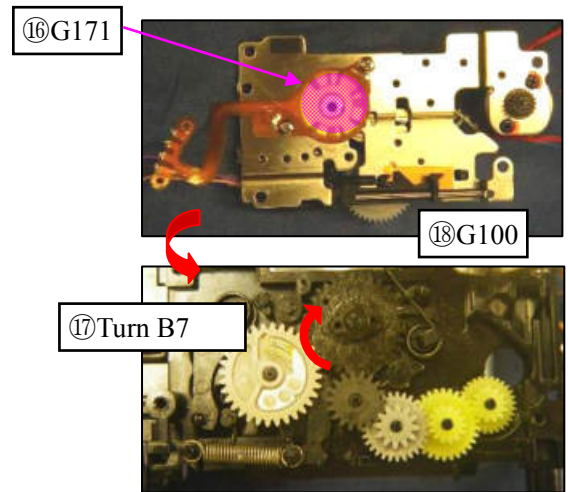
- ⑧ B10
- ⑨ B21



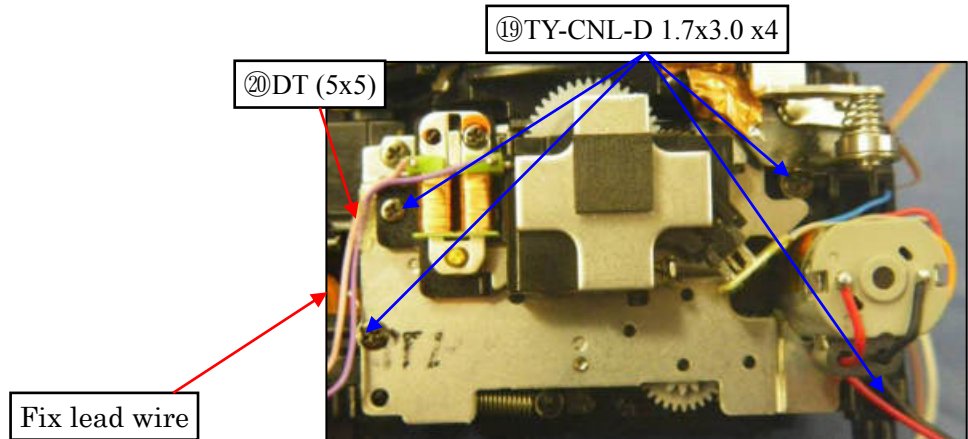
- ⑩ B8
- ⑪ B7
- ⑫ B3
- ⑬ B4
- ⑭ B5
- ⑮ B6



- ⑯ Apply G171
- ⑰ Turn B7 to set mirror up position
- ⑱ G100

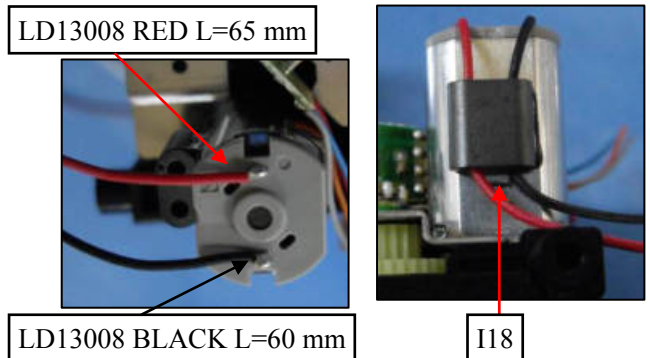


- ⑲ TY-CNL-D1.7x3.0 x4
- ⑳ DT (5x5)



[If replace G200]

- ① Solder lead wires
- ② Stick I18 by DT(5x5)



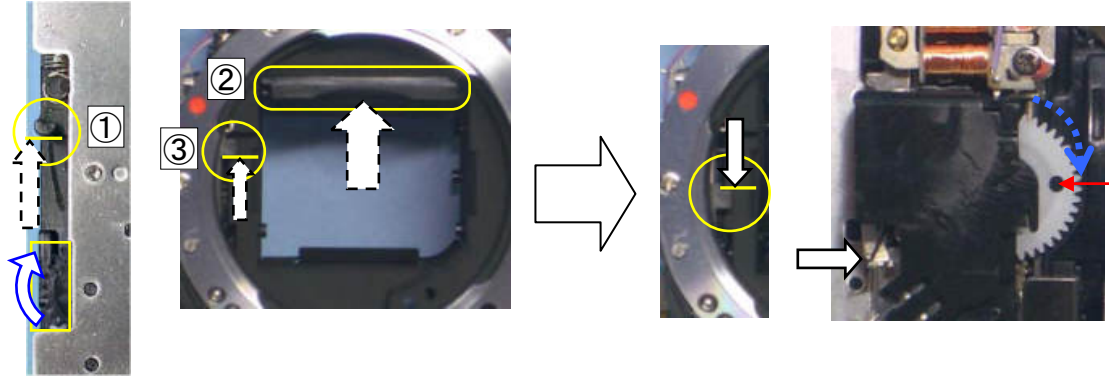
[Notice for disassembly] Set the mirror sheet at top position before removing G100

1. As shown in a figure, a gear is turned, and it sets to a mirror up position.

Mirror up: (Shutter charge lever (1) and mirror sheet (2) and sliding plate (3) must be top end position.)

2. Latch the lever of G100 while pushing down the sliding plate.

3. Remove G100.



7. [Confirmation] Checking the mirror function

[Required equipment] Power supply

① Confirm the following points while applying DC 2V to the mirror motor. (Red wire: Positive)

-1) The mirror seat must be moved smoothly without noise.

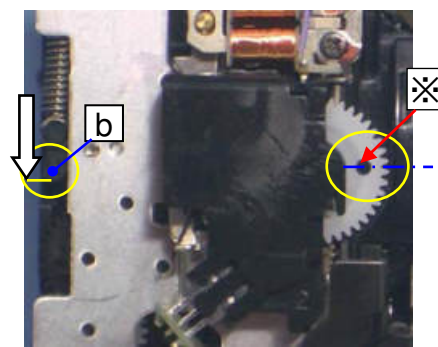
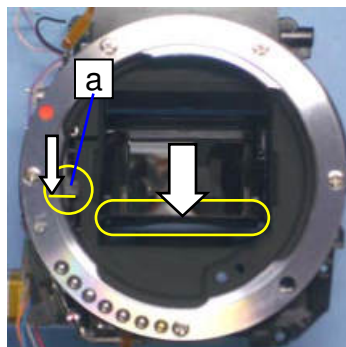
-2) The shutter charge lever (b) and sliding plate (a) must be moved smoothly and surely go up and down.

② Set the mirror seat to the down position while applying DC1.5V.

(Fine adjustment is possible when turn white gear at behind of G100.)

Mirror down: mirror, sliding lever, shutter charge lever at down position.

White gear must be positioned as shown in figure. (⊗)

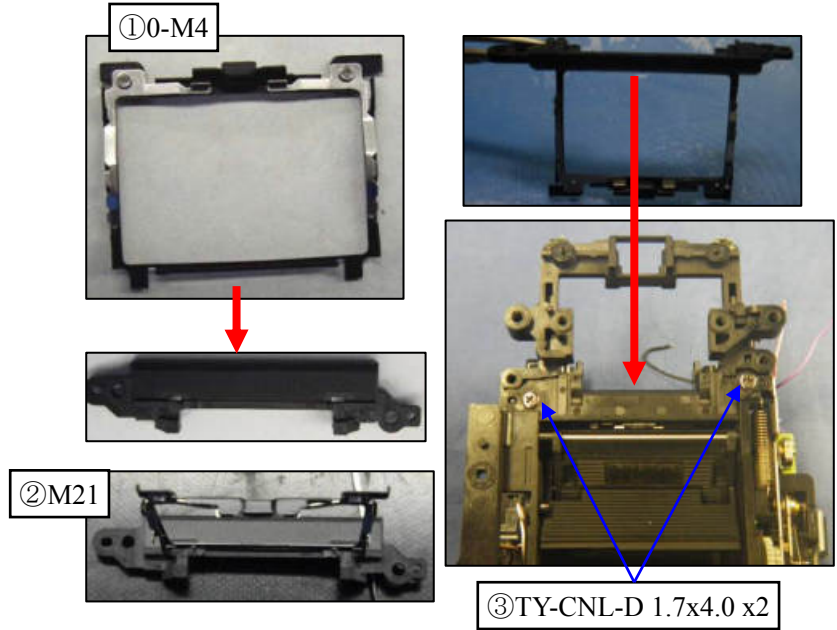


③ Both mirror seats 1st and 2nd must be returned smoothly to the original position when both mirror seat are passed inward about 3mm by finger pressure.

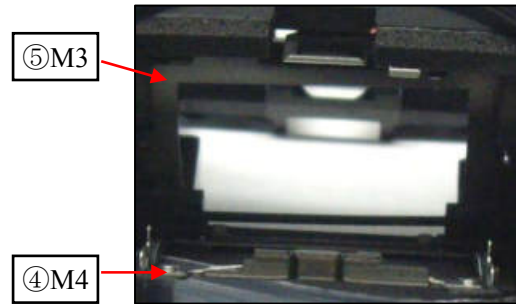
④ Set the mirror seat to the down position.

8. Pentamirror part(M27)

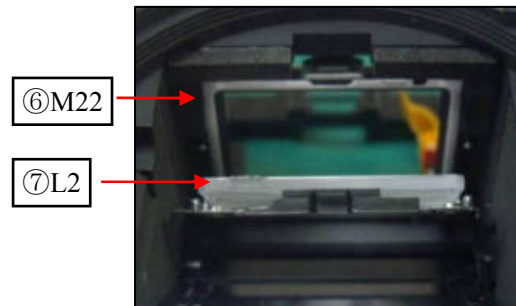
- ① Install 0-M4to M21.
- ② Install M21.
- ③ TY-CNL-D 1.7x4.0 x2



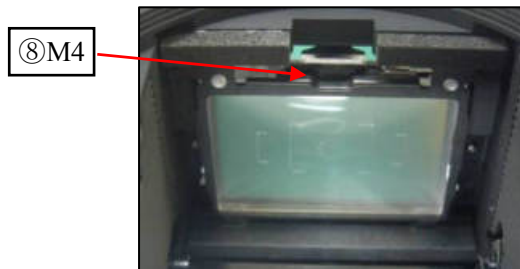
- ④ Unlock M4.
- ⑤ Install M3.



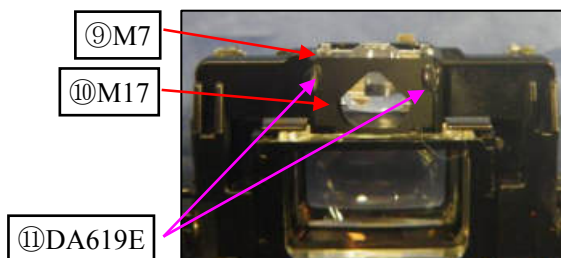
- ⑥ Install M22.
- ⑦ Put L2 on M4.



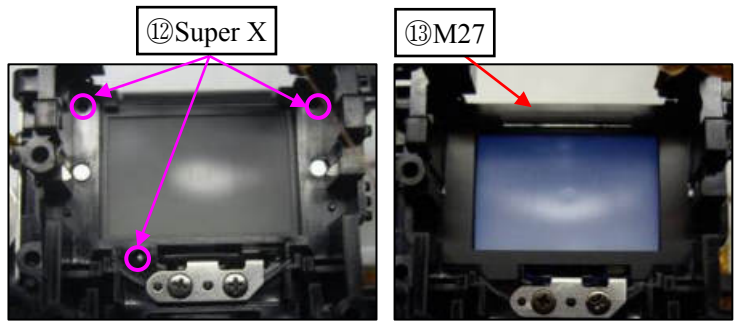
- ⑧ Push M4 back until it locks in place.



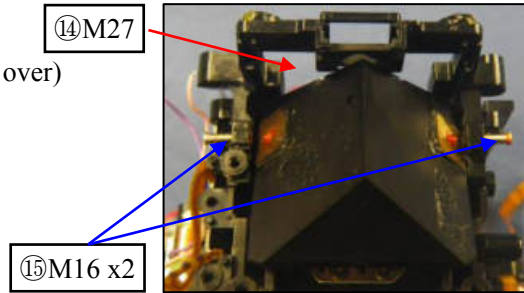
- ⑨ Install M7.
- ⑩ Install M17.
- ⑪ Apply DA619E.



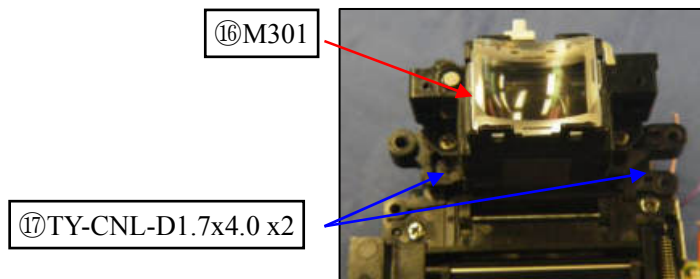
- ⑫ Apply Super X.
- ⑬ Install M27.



- ⑭ Install L3.
- ⑮ Temporary install M16 x2.(M27 should not be moved over)



- ⑯ Install M301.
- ⑰ TY-CNL-D1.7x4.0 x2



9. [Adjustment] Viewfinder focus and parallax

[Requires equipment] 50mm lens, collimator, focus master lens.

[Preparation]1. Adjust the diopter by the diopter adjustment lever.

2.Set the AF mode switch to MF position. (Upper position)

9-1. Parallax

[CAUTION] Confirm that the pentaprism must be installed securely.

①[Confirmation]Confirm there is neither gap nor an inclination at upper and lower, right and left position.

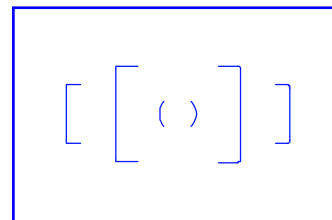
Standard: [Right/Left Less than 0.5°](#)
[Up/down Less than 0.5°](#)
[Inclination Less than 0.5°](#)

9-2. Viewfinder focus

①[Confirmation] Confirm a viewfinder focus.

*One scale for focus master lens is 0.03mm.

Standard:[0±0.07 mm](#)



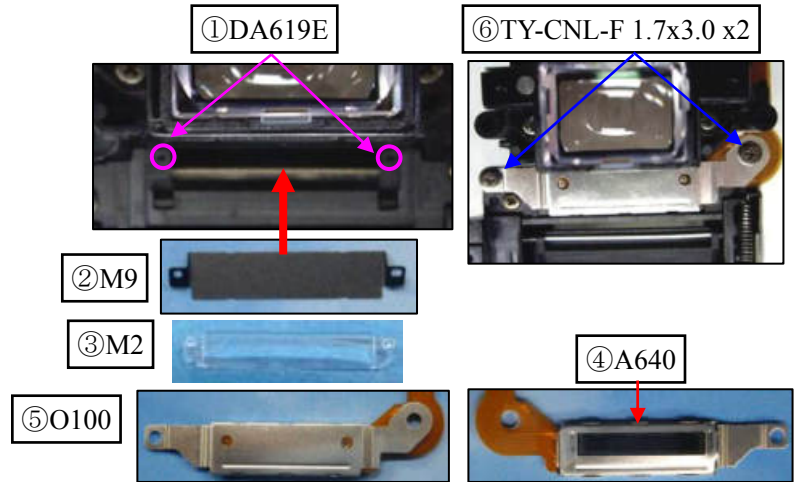
②[Adjustment] Exchanges for M22 of other thickness.

The tolerance lever at the time of adjustment is [0±0.04 mm](#)

M22	-00A	-00B	-00C	-00D	-00E	-00F	-00G	-00H	-00I
t (mm)	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50

10. Viewfinder Part(O100)

- ① Apply DA619E
- ② M9
- ③ M2
- ④ Affix A640
- ⑤ O100
- ⑥ TY-CNL-F 1.7x3.0 x2



[Note of Disassembly]

1. Remove the screw lock which is stick to the screw.
2. Unscrew (x2) while pressing the plate of O100.
3. If M2 does not replace, you do not necessary to disassembly.

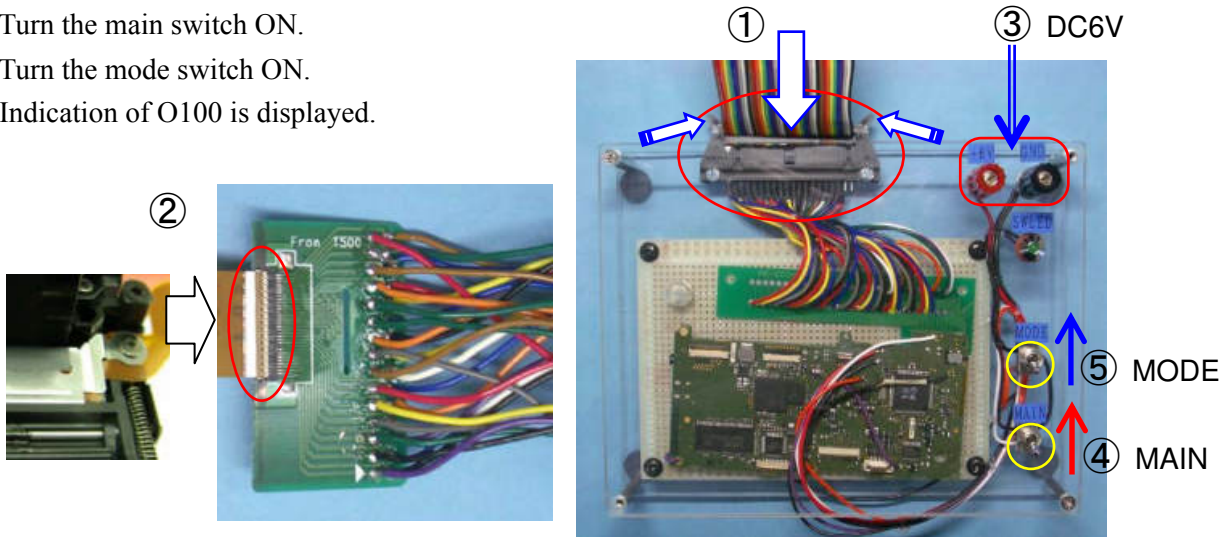
11. [Adjustment] Positioning O-O100 (Viewfinder indications)

[Preparation] O100 cable for 77170, O100 positioning jig for 76700, Power supply (8V,3A)

11-1. Preparation

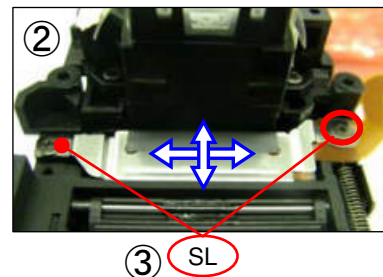
- ① Connect the O100 cable for 77170 to the jig as shown figure.
- ② Connect the flex board of O100 to the cable.↓ (Flip lock)
- ③ Apply 6.0 V to the jig.
- ④ Turn the main switch ON.
- ⑤ Turn the mode switch ON.

*Indication of O100 is displayed.



11-2. Adjustment

- ① [Confirmation] Check whether the position of the display is straight.
- ② [Adjustment] Loosen the screw and change the position.
- ③ After adjustment is done, apply screw lock.



12. M100(AF Block)

[Preparation] Hexagonal screwdriver 1.5mm.

① M100

[CAUTION] There is no dust and stain on the surface of lens.

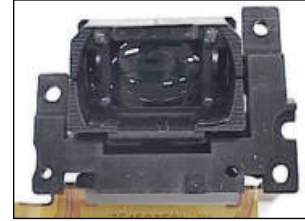
② TY-CNL-D1.7x4.0 x3

③ [Adjustment] Temporary adjustment of AF block.

--- Screw in 3 adjusting screws until they stops,
then screw back two turns.

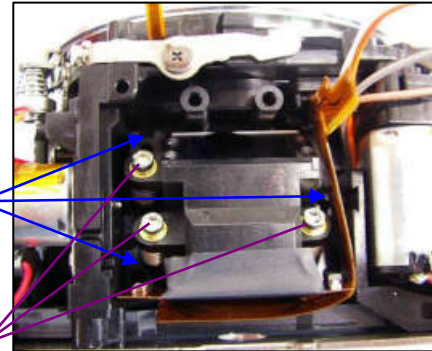
[Note] After sensor position adjustment with programmed
Software is done, apply screw-lock agent to between the
head of adjustment screws and washers.

① M100



② TY-CNL-D1.7x4.0 x3

③ Adjust screw x3



13. J100(Photo sensor block)

① Set diopter lever at end left side.

② Install J100.

③ Install J110.

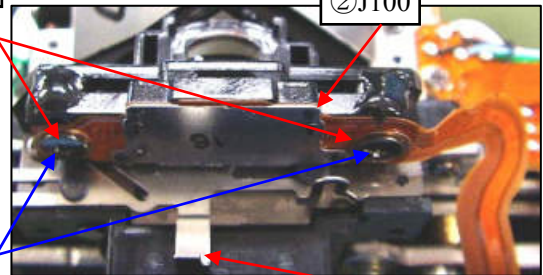
④ TY-CNL-G1.7x5.0 x2

③ J110

② J100

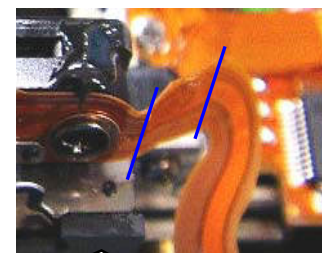
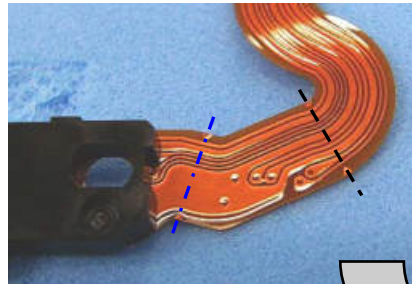
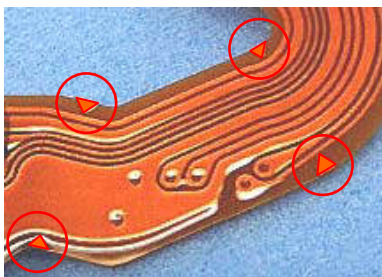
④ TY-CNL-G1.7x5.0 x2

① Diopter lever



[Caution for replacing J100]

*When replacing J100, fold J100 flexible board as that shown in figure. (Approx. 90°)



--- : → V ←
--- : → ^ ←

[Caution] --- Disassembly

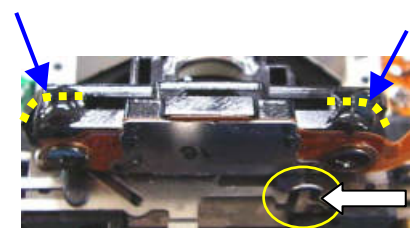
1. Set the diopter lever to the left side.

2. TY-CNL-G1.7x5.0 and washer x2.

3. Remove the glue which is around the J100.→

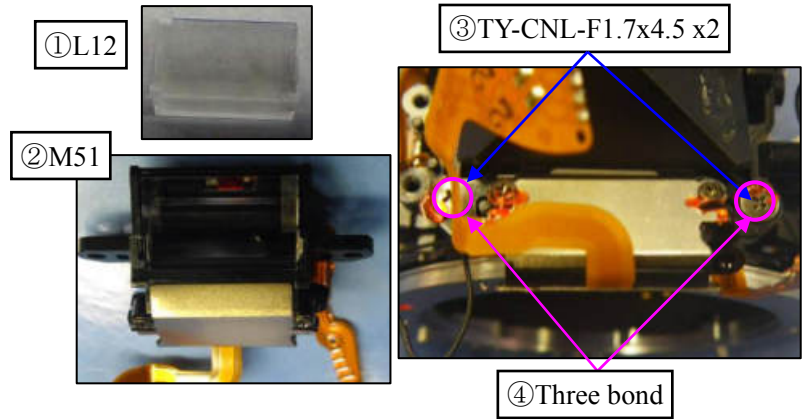
*Not to damage on J100.

4. J100



14. M51, O170 (SI Block)

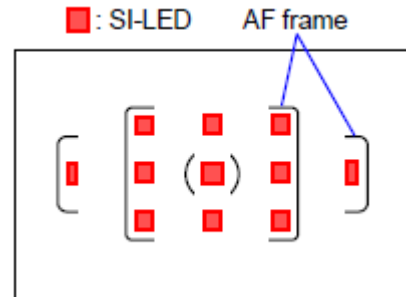
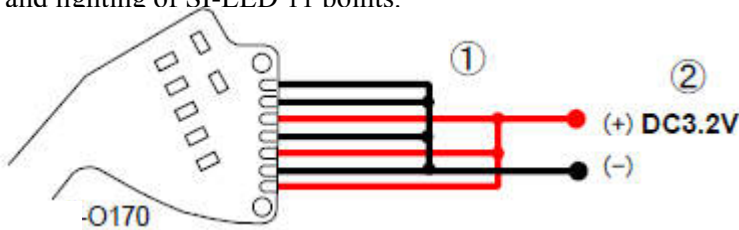
- ① Install L12 to M51.
- ② Install M51.
- ③ TY-CNL-F 1.7x4.5 x2
- ④ Apply Three bond



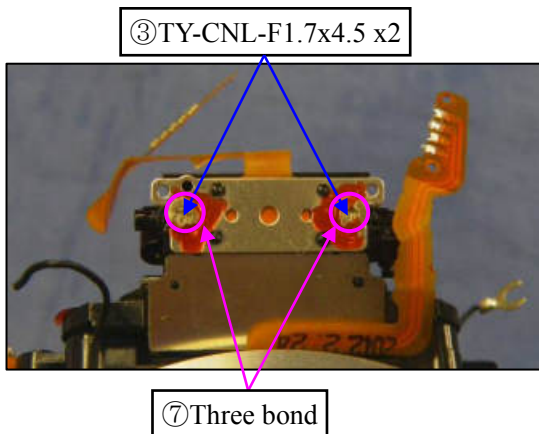
15. [Adjustment] Positioning SI-LED

[Required equipment] Power supply, lead wires

- ① Solder and arrange the read wires on O170 as shown in the figure below.
- ② [Caution] Do not stress to the lands of O170.
- ③ Apply DC3.2V to O170, and confirm the positioning and lighting of SI-LED 11 points.



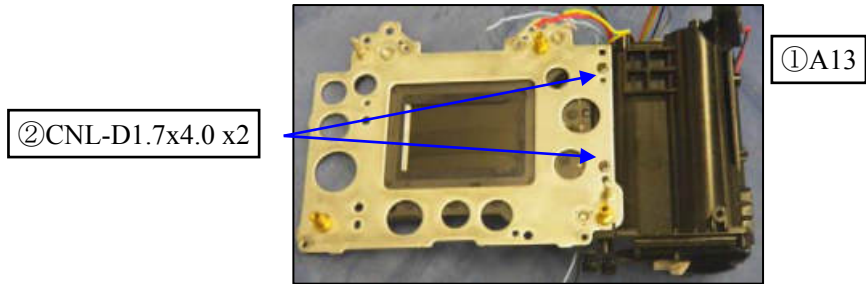
- ③ [ADJ] Loosen 2 screws, and then adjust the position of O170.
 - • • Remove the adhering screw lock (two positions)
- ④ Tighten the screw and confirm the position.
- ⑤ After adjustment is done, apply the screw-lock to 3 positions and remove the read wires from O170.



III. Assemble procedure of main body

1. E100(Shutter block)

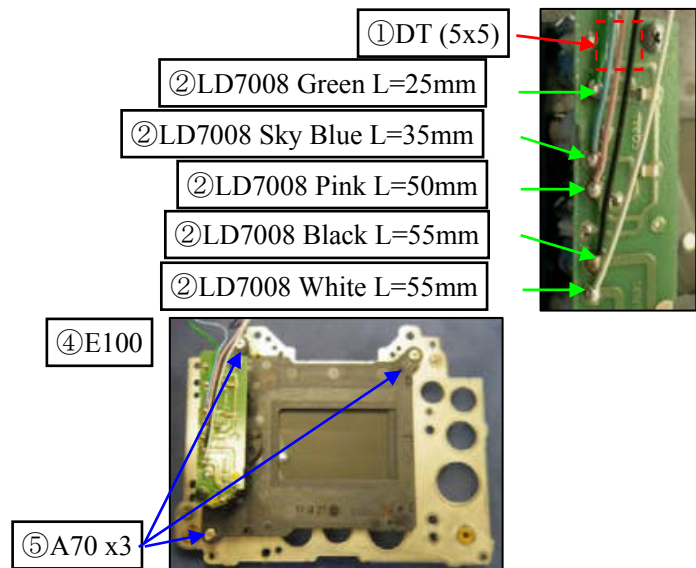
- ① A13
- ② CNL-D1.7x2.5 x2



[If replaced E100]

- ① DT (5x5)
- ② Solder 5 lead wire
- ③ Fix 5 lead wire by DT(5x5)

- ④ Install E100 to A1 (NS)
- ⑤ A70 x3
Tighten screw in order of number
*After install, E100 has little movement.

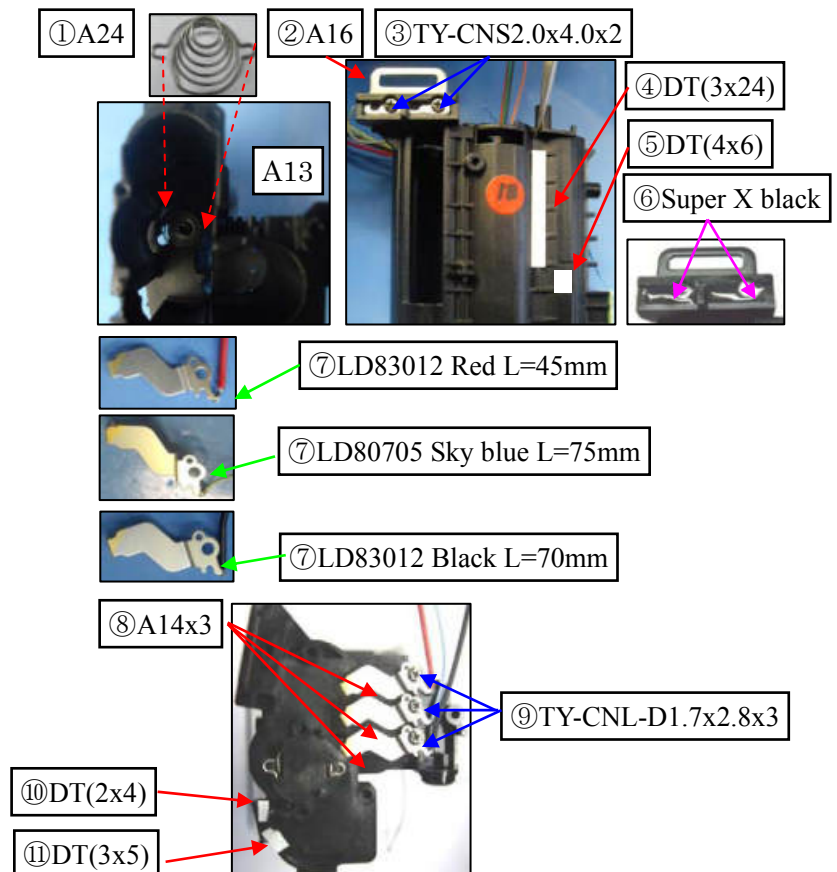


[If replaced A13 and related parts]

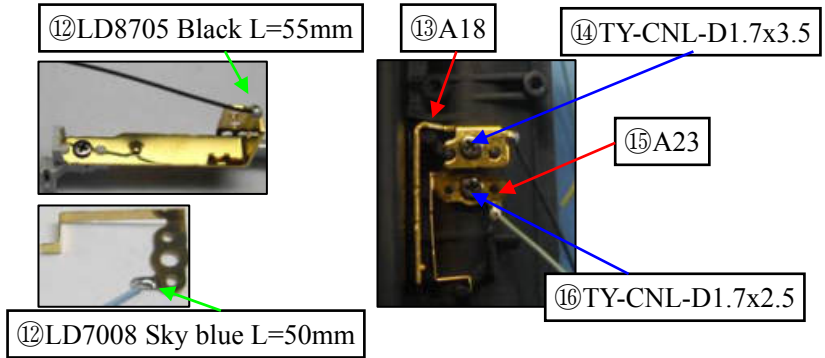
- ① A24
- ② A16
- ③ TY-CNS2.0x4.0x2
- ④ DT(3x24)
- ⑤ DT(4x6)
- ⑥ Apply Super X black

- ⑦ Solder lead wire x3

- ⑧ A14x3
- ⑨ TY-CNL-D1.7x2.8x3
- ⑩ DT(2x4)
- ⑪ DT(3x5)

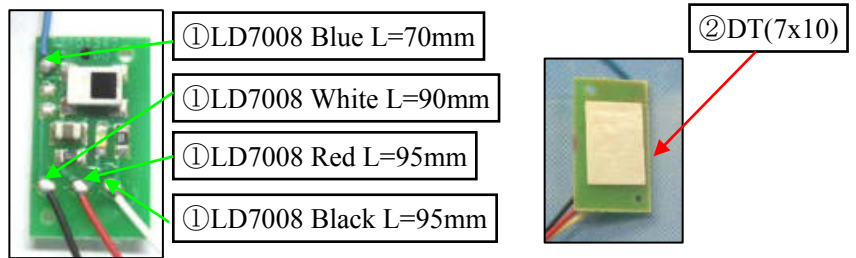


- ⑫ Solder lead wirex2
- ⑬ A18
- ⑭ TY-CNL-D1.7x3.5
- ⑮ A23
- ⑯ TY-CNK-D1.7x2.5

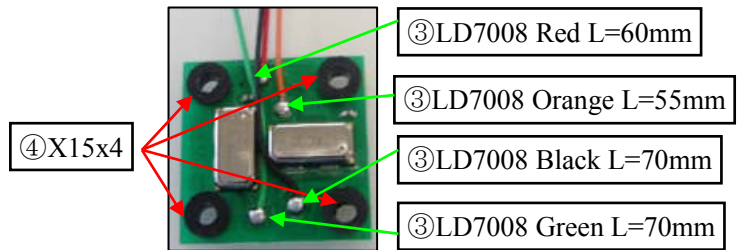


[If replaced T950 or T960]

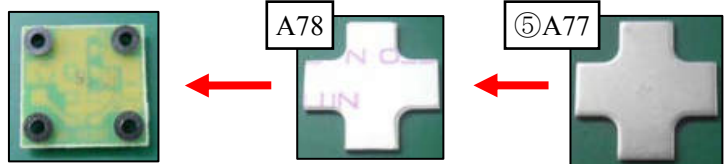
- ① Solder lead wire x4
- ② DT(7x10)



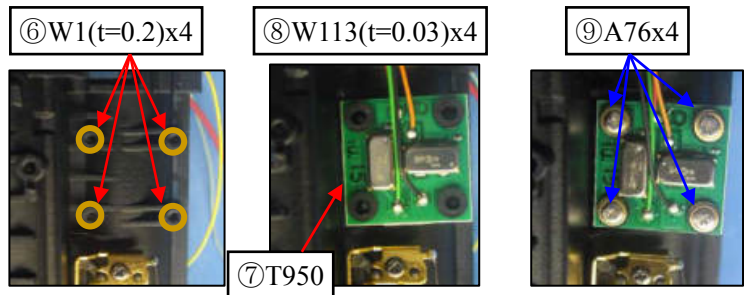
- ③ Solder lead wire x4
- ④ X15 x4



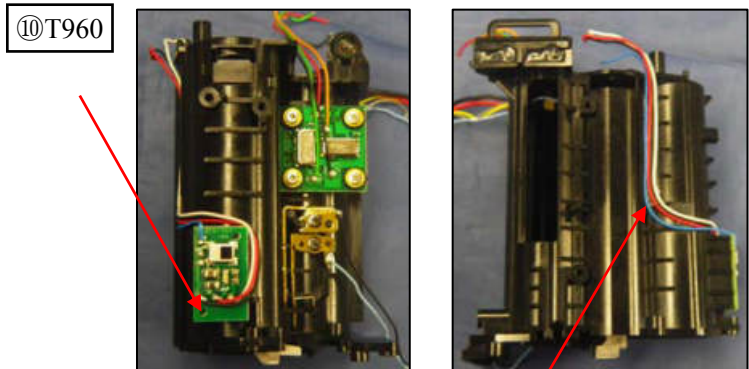
- ⑤ Affix A77 by A78



- ⑥ W1(t=0.2)x4
- ⑦ T950
- ⑧ W113(t=0.03)x4
- ⑨ A76x4



- ⑩ Affix T960



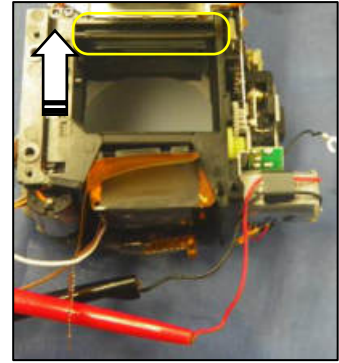
- ⑪ Arrange lead wire by DT as shown in figure.

⑪ Arrange lead wire by DT

2. 0-A101 (Front housing assy)

① Apply DC 2V to G200, and set mirror up position.

① Mirror up

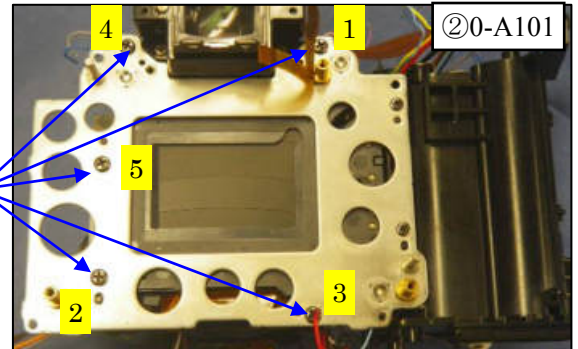


② 0-A101

③ TY-CNM2.0x5.0 x5

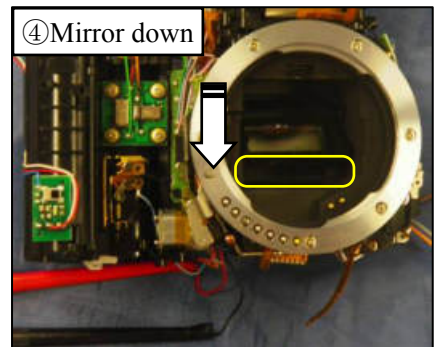
--- Tighten screw in order of number as shown in figure.

③TY-CNM2.0x5.0 x5



④ Apply Voltage to G200 and set mirror down position.

[CAUTION] Do not scratch on eyepiece lens during working.

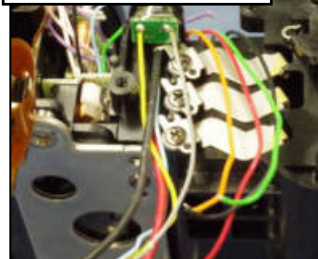


3. A6(G shoulder plate)

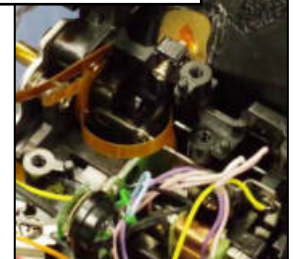
① Arrange lead wire as shown in figure.

② Arrange T71flex as shown in figure.

① Arrange lead wire



② Arrange T71flex

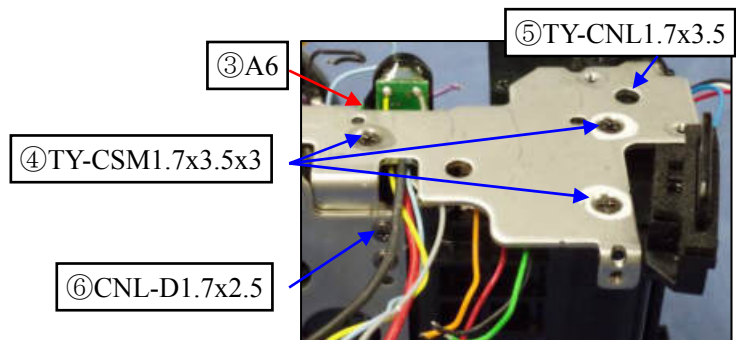


③ A6

④ TY-CSM1.7x3.5 x3

⑤ TY-CNL-D1.7x3.5

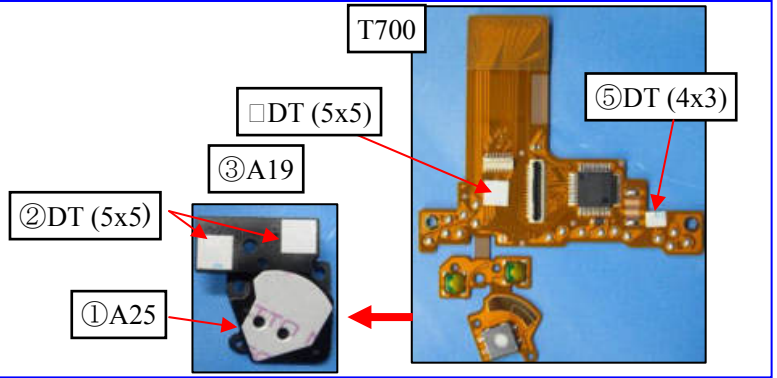
⑥ CNL-D1.7x2.5



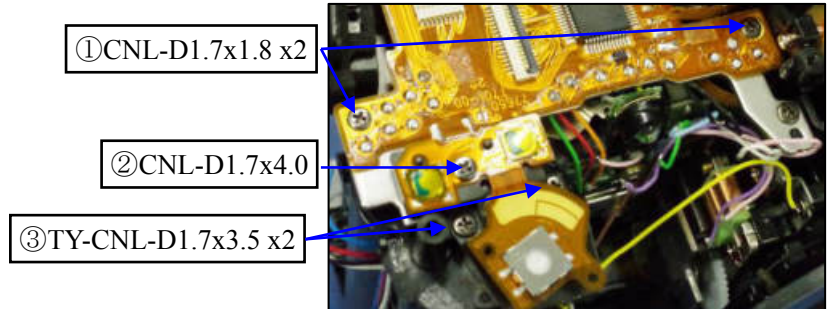
4. T700(Upper flex circuit block)

[If replace T700]

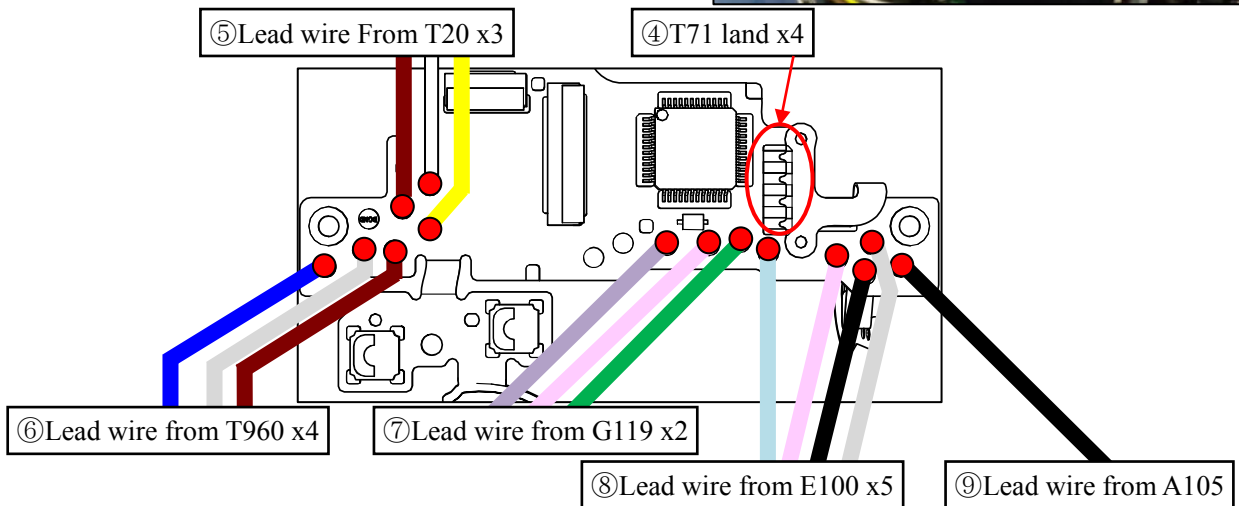
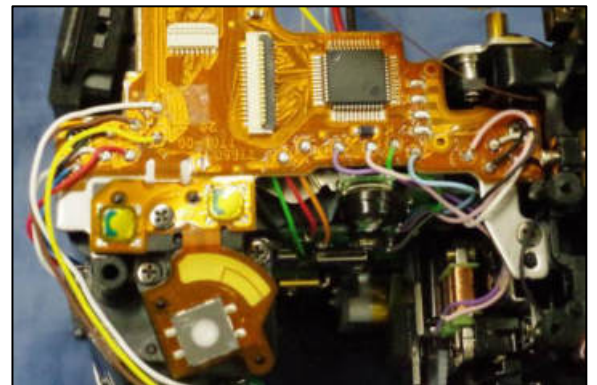
- ① Affix A25
- ② Affix DT (5x5) x2
- ③ Affix T700 to A19
- ④ Affix DT (5x5)
- ⑤ Affix DT (4x3)



- ① CNL-D1.7x1.8 x2
- ② CNL-D1.7x4.0
- ③ TY-CNL-D1.7x3.5 x2



- ④ Solder T71 land x4
- ⑤ Solder lead wire from T20 x3
- ⑥ Solder lead wire from T960 x4
- ⑦ Solder lead wire from G119 x2
- ⑧ Solder lead wire from E100 x5
- ⑨ Solder lead wire from A105

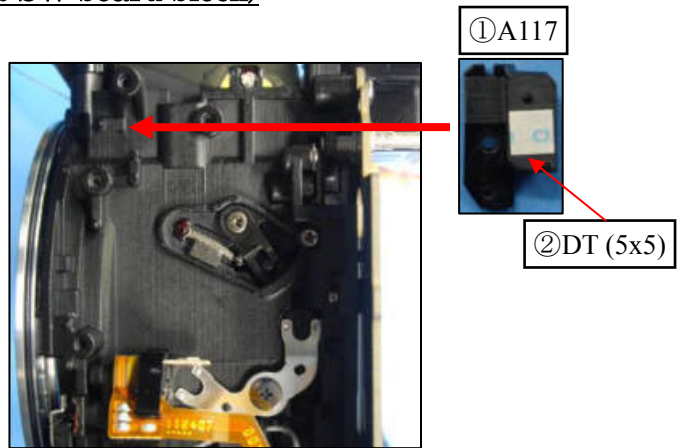


- ⑩ O100 flex



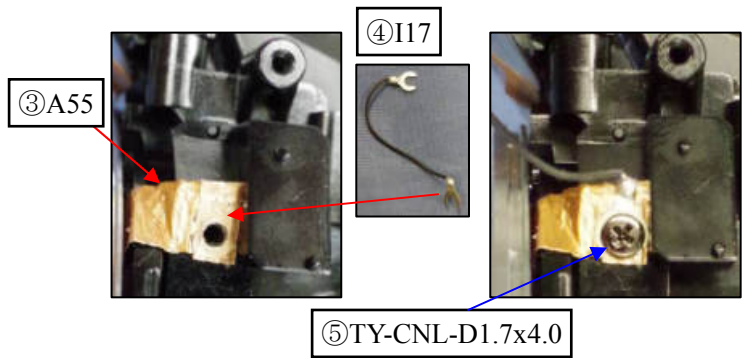
5. T980,T940(RAW SW board, AF/MFselect SW board block)

- ① A117
- ② DT (5x5)

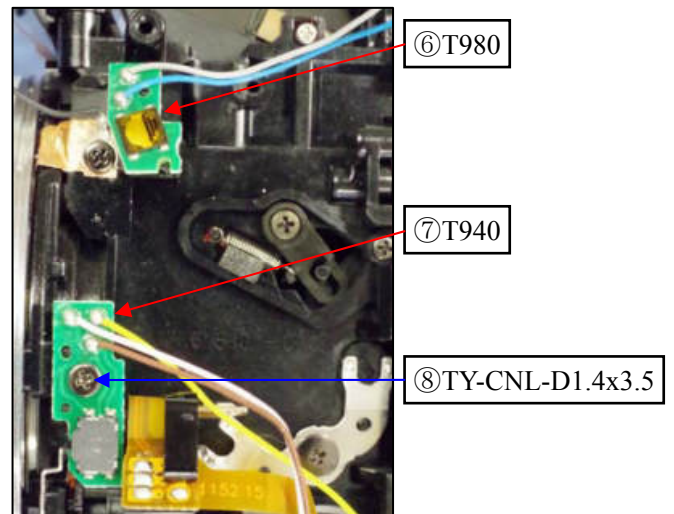


- ③ Affix A55 to A117
- ④ I17
- ⑤ TY-CNL-D1.7x4.0

Surely make contact between A55 and I17.

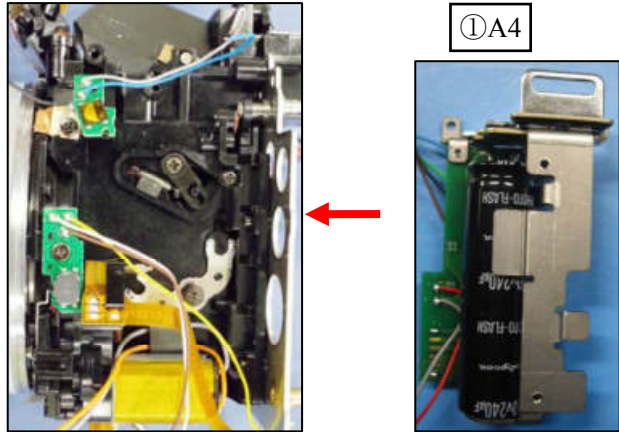


- ⑥ T980
- ⑦ T940
- ⑧ TY-CNL-D1.4x3.5



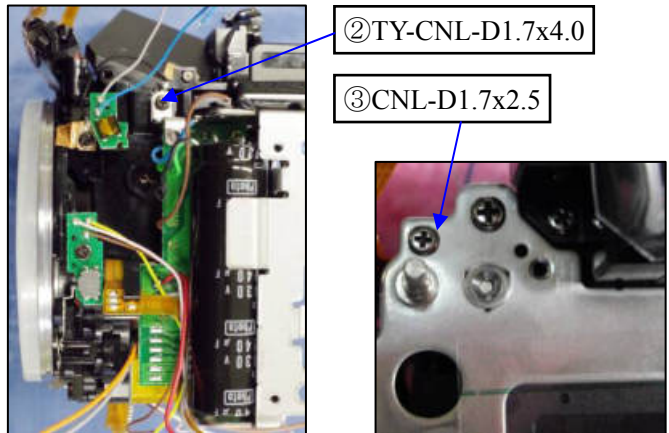
6. A4(Right front plate)

① A4



② TY-CNL-D1.7x4.0

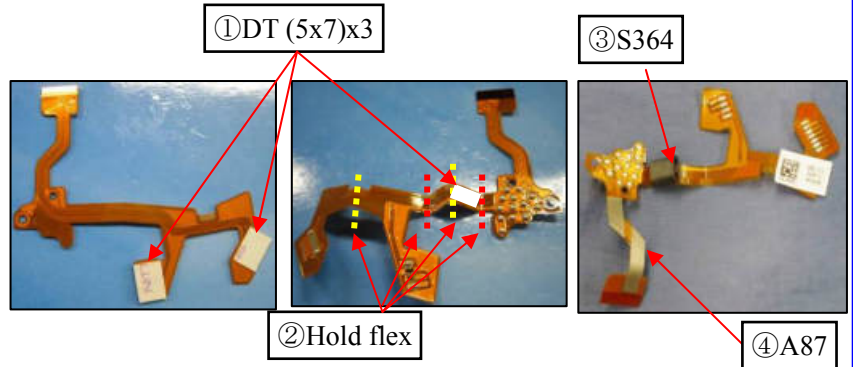
③ CNL-D1.7x2.5



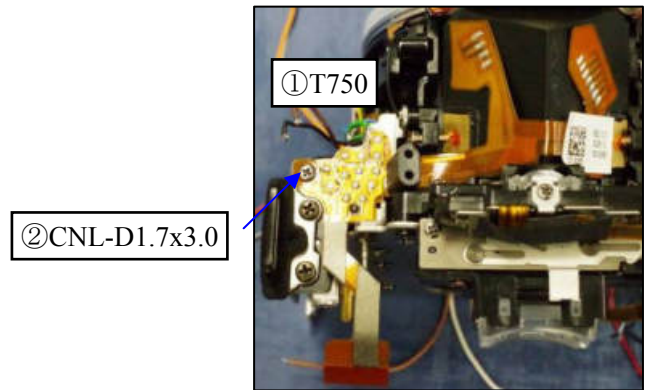
7. T750(Strobe flexible substrate circuit block)

[If replace T750]

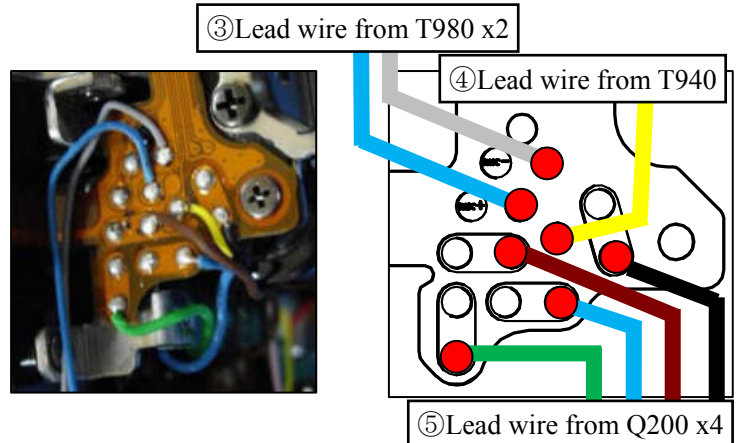
- ① Affix DT (5x7) x3
- ② Hold T750as shown in figure.
- ③ Install S364
- ④ Affix A87



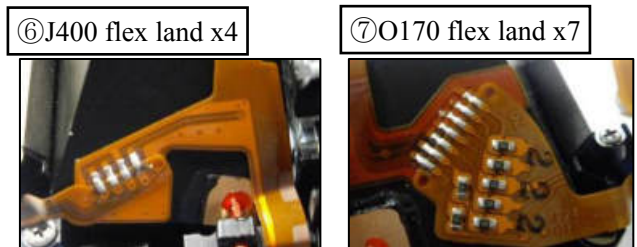
- ① T750
- ② CNL-D1.7x3.0



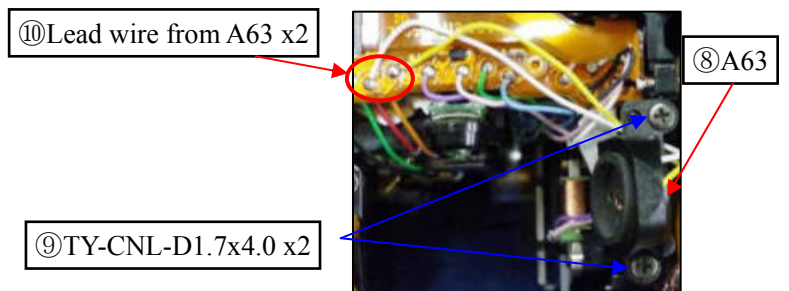
- ③ Solder lead wire from T980 x2
- ④ Solder lead wire from T940
- ⑤ Solder lead wire from Q200 x4



- ⑥ Solder J400 flex land x4
- ⑦ Solder O170flex land x7

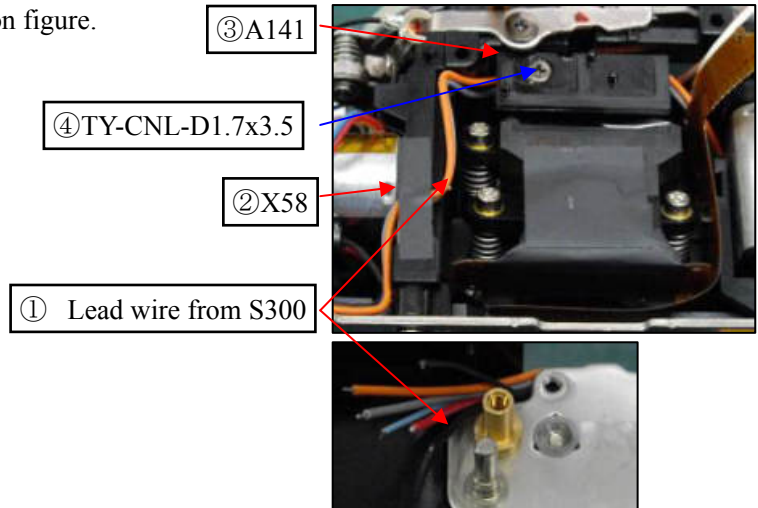


- ⑧ A63
- ⑨ TY-CNL-D1.7x4.0 x2
- ⑩ Solder lead wire from A63 x2

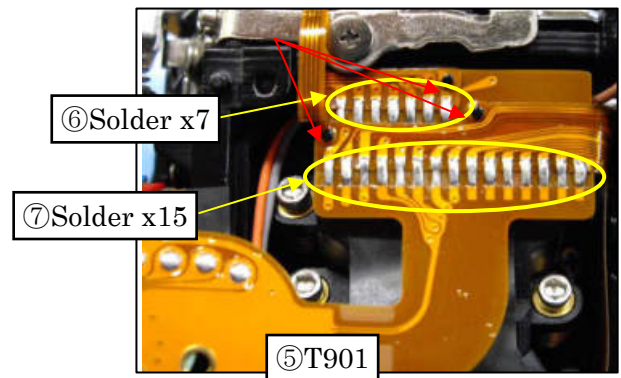


8. T901(Lower flex board)

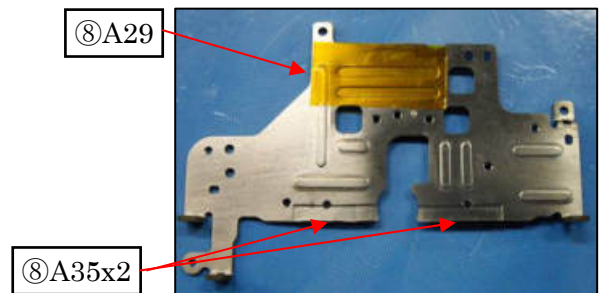
- ① Arrange 2 lead wires from S300 as shown on figure.
- ② Affix X58
- ③ Install A141
- ④ TY-CNL-D1.7x3.5



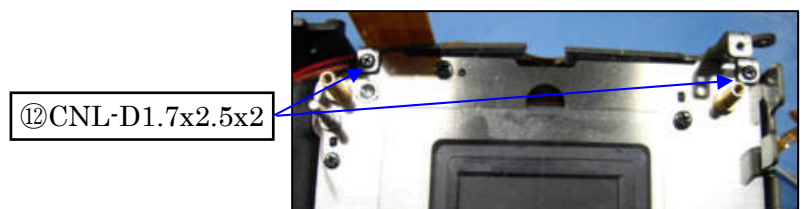
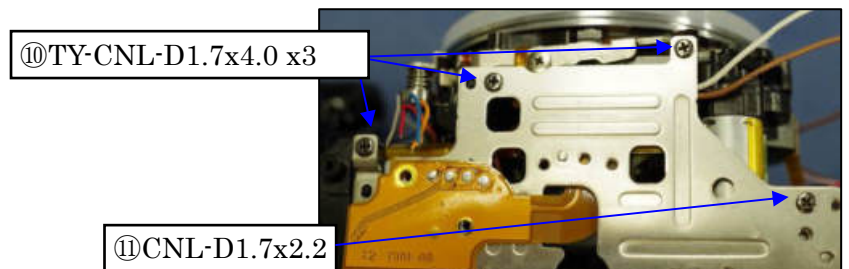
- ⑤ T901
- ⑥ Solder 7 lands for T301 and M100.
- ⑦ Solder 15 lands for M100.



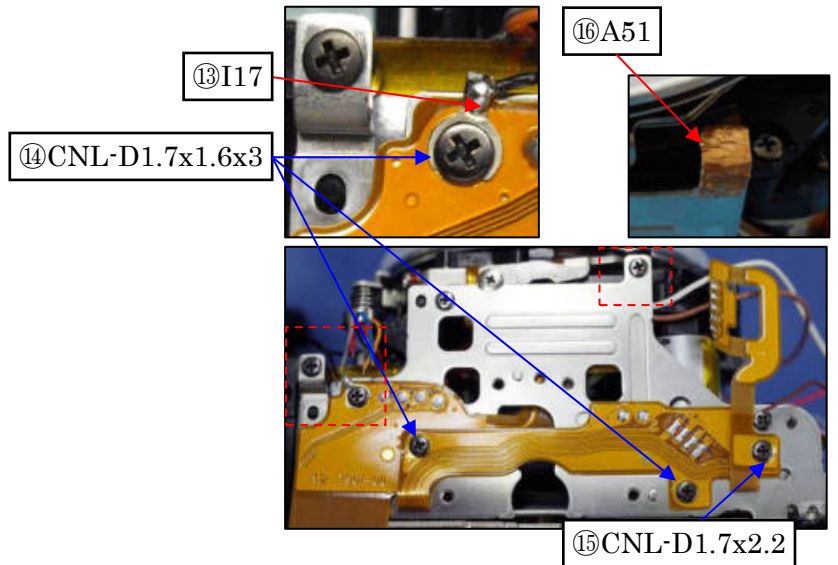
- ⑧ Make sure there are 3 parts are installed. (A29,A35 x2)



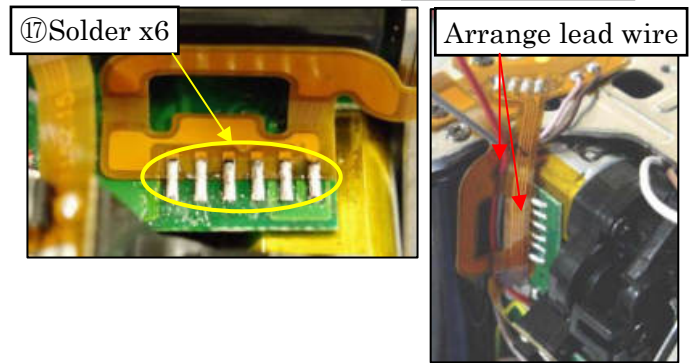
- ⑨ Install A3 while arranging flex.
- ⑩ TY-CNL-D1.7x4.0 x3
- ⑪ CNL-D1.7x2.2
- ⑫ CNL-D1.7x2.5 x2



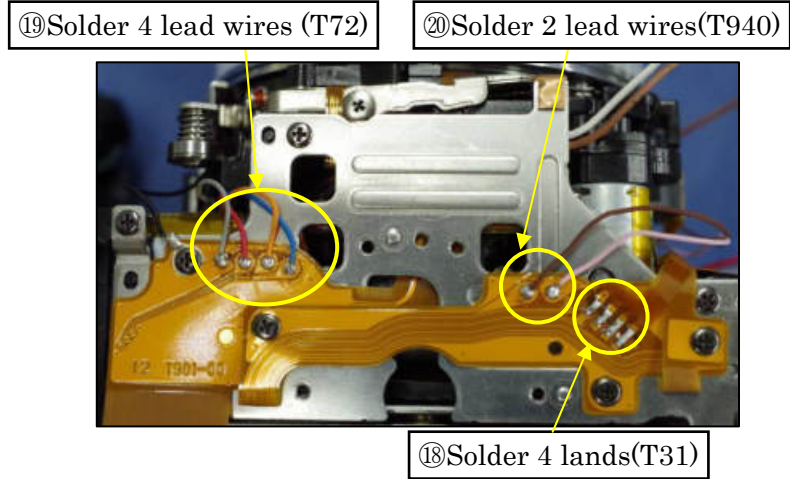
- ⑬ I17
- ⑭ CNL-D1.7x1.6x3
- ⑮ CNL-D1.7x2.2
- ⑯ A51



- ⑰ Solder 6 lands for T901

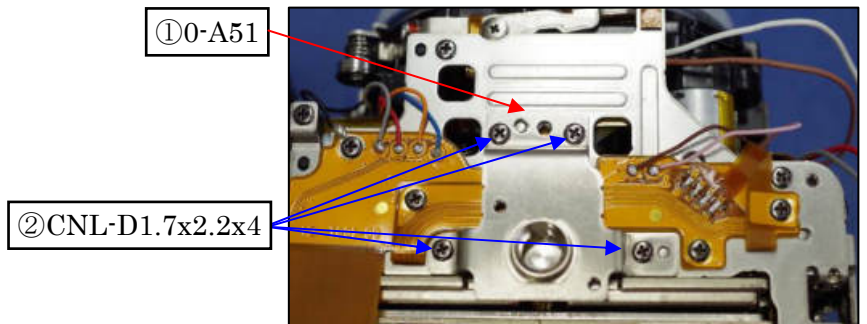


- ⑱ Solder 4 lands
- ⑲ Solder 4 lead wires
- ⑳ Solder 2 lead wires



9. 0-A51 (Tripod plate assy.)

- ① Install 0-A51
- ② CNL-D1.7x2.2x4

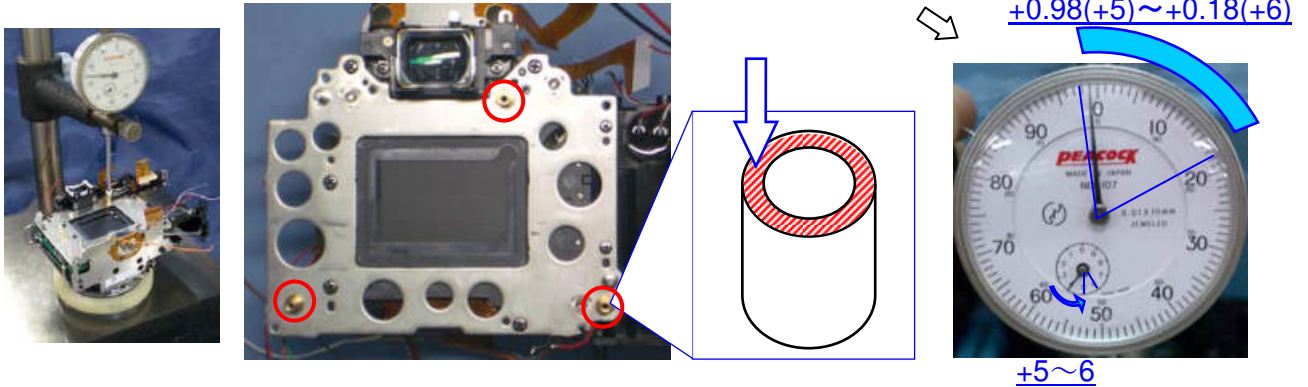


10. [Confirmation] Height of SR block base support pillar.

[Required equipment]: Block gauge for 35mm, Dial gauge comparator, etc. (same as K100D)

① Measure height of 0-C000 base support pillar (3 places) from the mount surface as shown in the figure.

Tolerance :	<u>51.54±0.1mm</u>
Using block gauge for 35mm (45.46mm):	<u>+5.98~6.18mm</u>



11. 0-C000 (SR block assy.)

[Required equipment] Hexagon wrench 1.5mm

[CAUTION 1] Pay attention, there is powerful magnet is carried in the SR block.

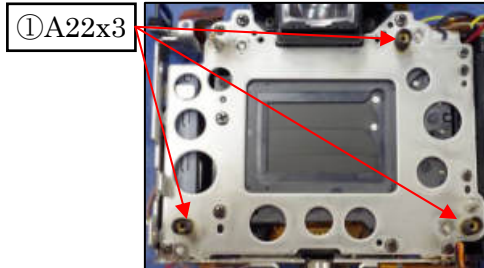
[CAUTION 2] Since performance can be damaged, the SR block cannot be disassembled and also do not apply the external pressure to a movable part.

[CAUTION 3] The flex from SR should be taken care, otherwise it will affect the performance of SR function.

[CAUTION 4] There is neither scratch nor dust on CCD.

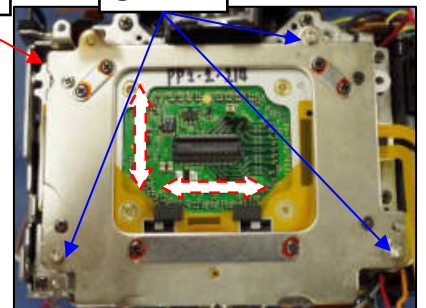
* Attach mount cover then put downward.

① Install A22 x3 to pillar.



②0-C000

③A31x3



② [Confirmation] Center plate must move up and down and right and left by own weight.

③ 0-C000 --- Align with two guides post while arranging lead wire and flex then press 0-C000 against the body.

[CAUTION] Confirm that A22 is not stick on the magnet

④ A31 x3 --- Tighten three screws until stop while press 0-C000 against the body.

⑤ [Adjustment] A31 x3 --- Screw back two turns --- Temporary adjustment of height of CCD.

[When replacing 0-C000]

① Replace to new bar-code seal on T630.

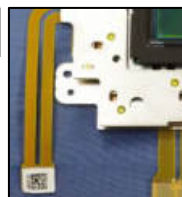
② Replace to new bar-code seal on T751.

[Caution: The number should be readable.]

③ Write down new number for adjustment.

(Sensor ID No.)

①T630



②T751



*Transfer previous seal to replaced 0-C000.

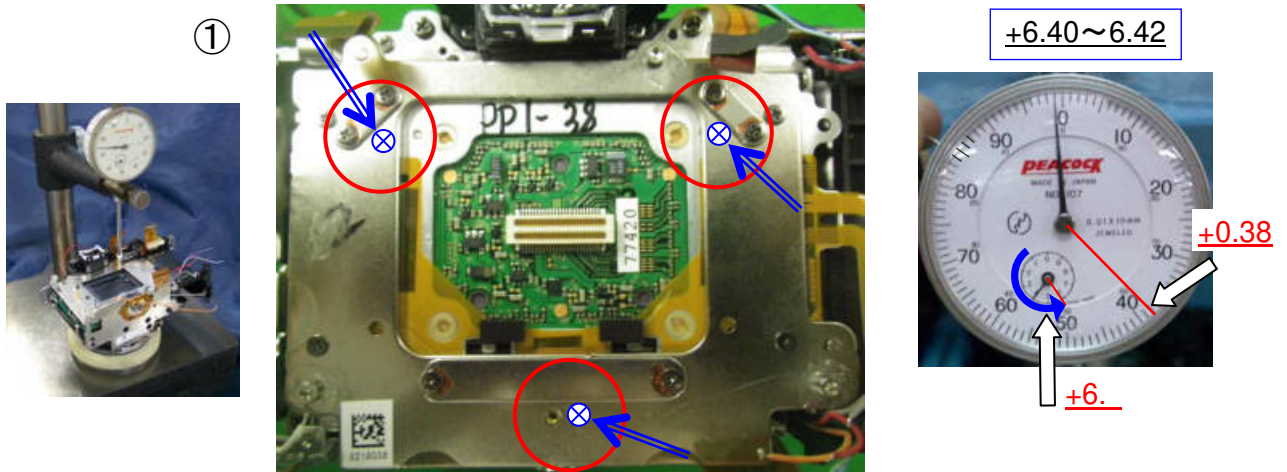
12. [Adjustment] Height of 0-C000

Required equipment: Hexagon wrench 1.5mm, Block gauge for 35mm, Dial gauge comparator, etc.

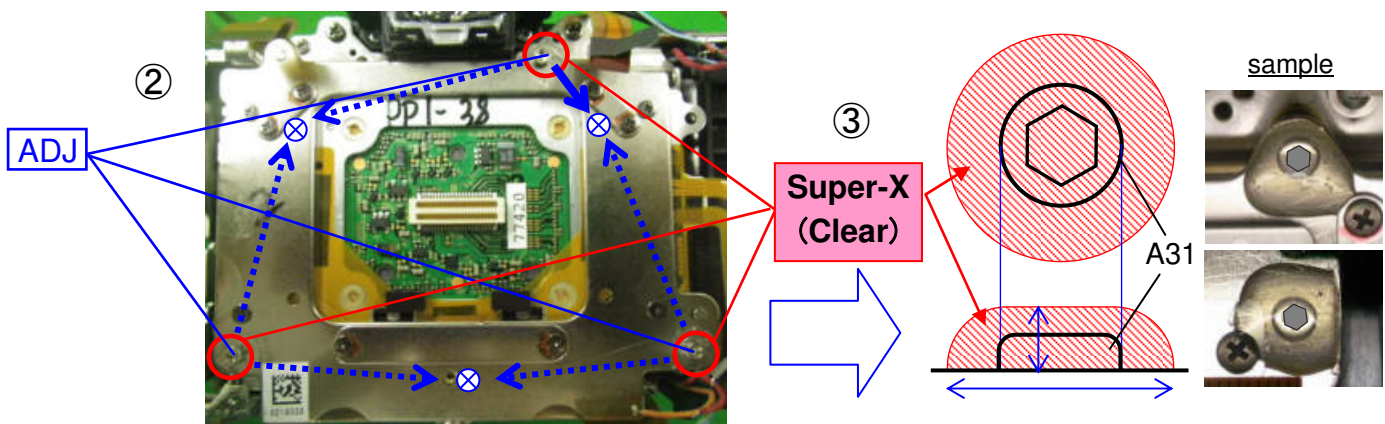
Specified Adhesive: super X (Clear) --- **Order number: 95901-S133**

- ① **[Confirmation]** Measure height of the 0-C000 rear plate (3 places) from the mount surface as shown in the figure.

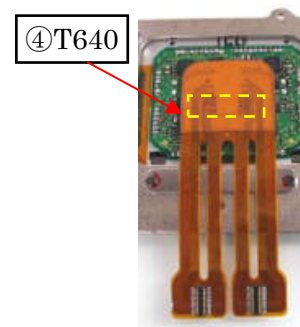
	Not disassembled parts	When adjusting
Tolerance (Only for 77650):	<u>51.76~51.95 mm</u>	<u>51.87±0.01 mm</u>
Using Block gauge for 35mm (45.46mm)	<u>+6.30~6.49 mm</u>	<u>+6.41±0.01 mm</u> (+6.40~6.42 mm)



- ② **[Adjustment]** Turn three adjustment screw A31. Target for adjustment is **+6.41**. (Maximum and minimum difference is within 0.01)
You must finish the adjustment with turning A31 tighten direction. (Clockwise direction)
- ③ After adjusting, clean A31 and around A31 then apply Super X on screw as shown in figure.
[Caution] Do not touch it until Super X becomes hardened.



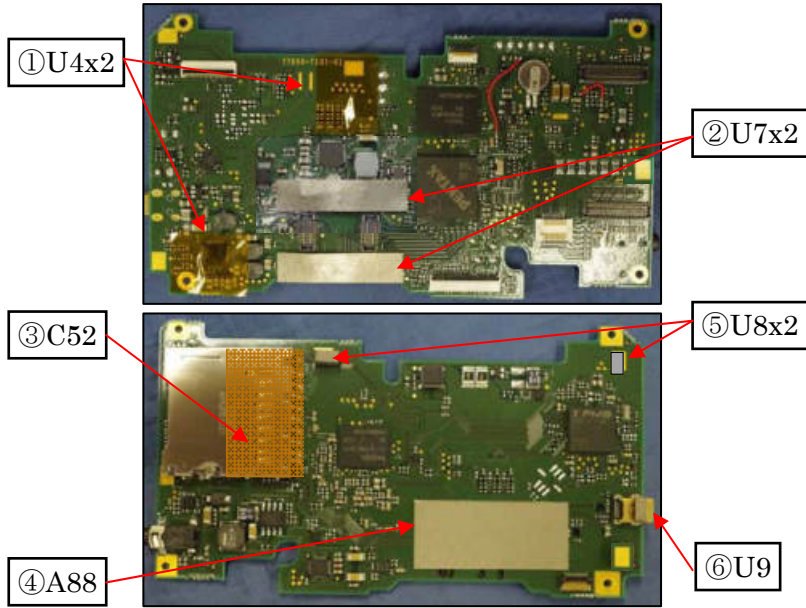
- ④ Connect T640 (Plug-in) --- Do not give too much force.



13. T100(Main P.C.B)

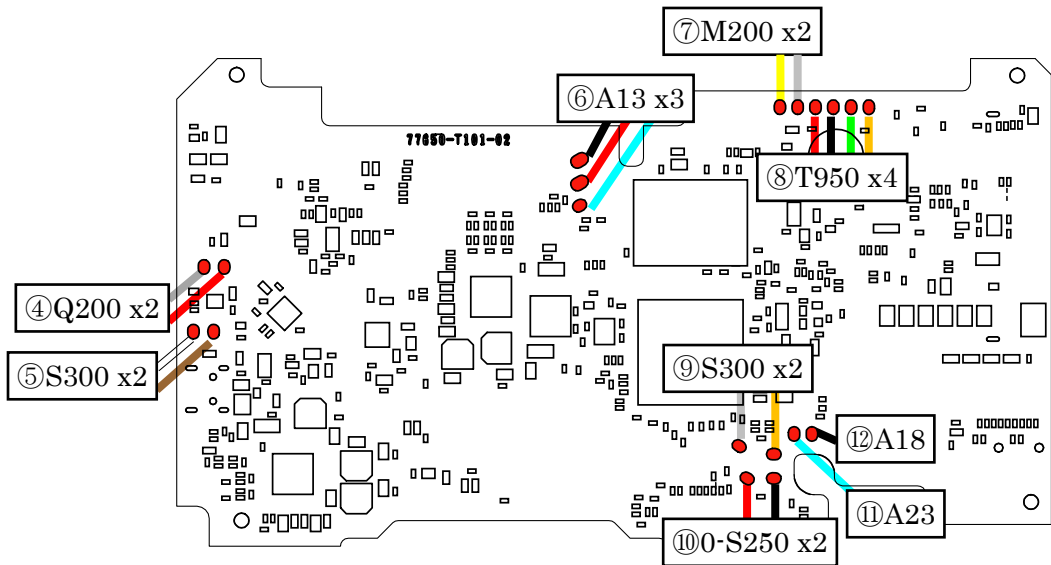
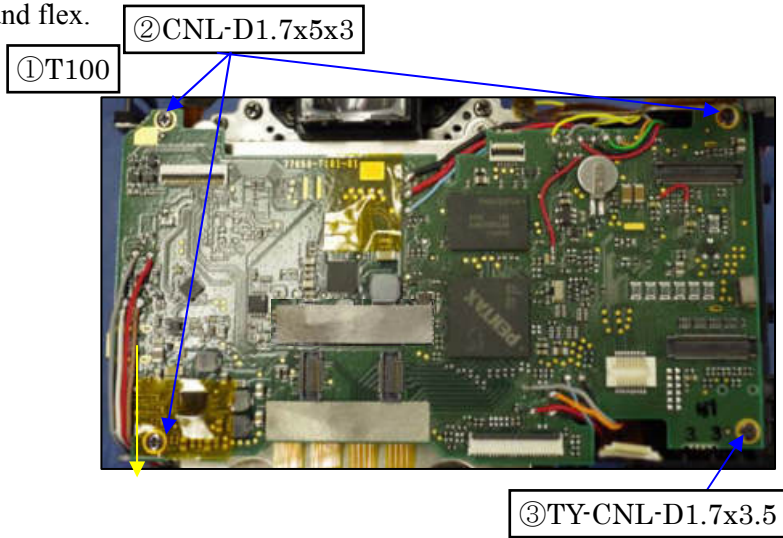
【 In case of replacing T100】

- ① Affix U4x2
- ② Affix U7x2
- ③ Affix C52
- ④ Affix A88
- ⑤ Affix U8
- ⑥ Affix U9

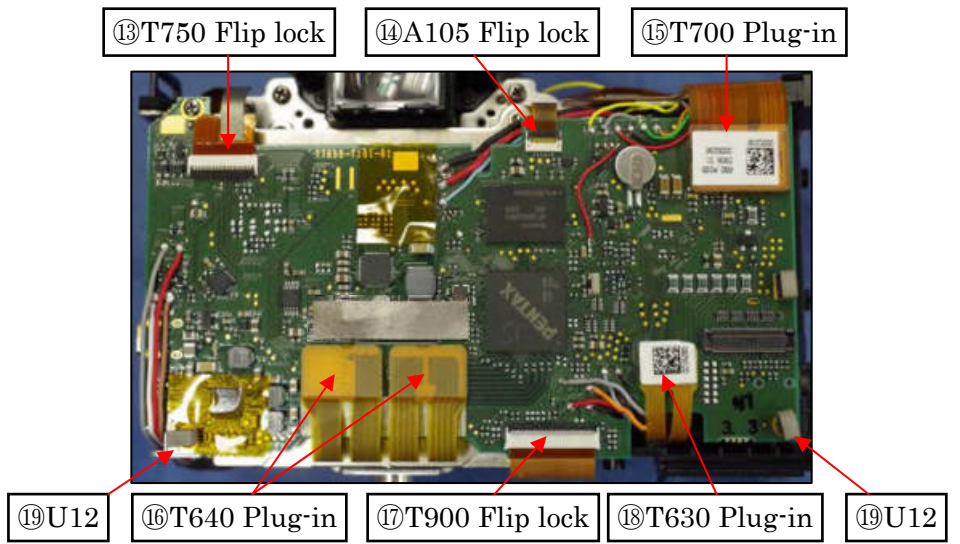


- ① Install T100 with avoiding pinch lead wires and flex.

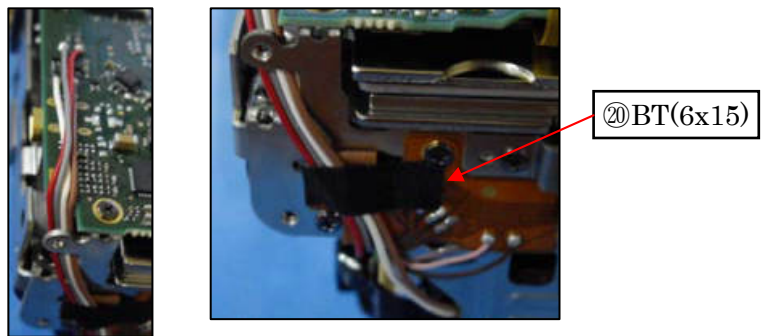
- ② CNL-D1.7x2.5x3
- ③ TY-CNL-D1.7x3.5
- ④ Solder 2 lead wires from Q200.
- ⑤ Solder 2 lead wires from S300.
- ⑥ Solder 3 lead wires from A13.
- ⑦ Solder 2 lead wires from M200.
- ⑧ Solder 4 lead wires from T950.
- ⑨ Solder 2 lead wires from S300.
- ⑩ Solder 2 lead wires from 0-S250.
- ⑪ Solder 1 lead wire from A23.
- ⑫ Solder 1 lead wire from A18.



- ① Connect flex (T750)
- ② Connect flex (A105)
- ③ Connect flex (T700)
- ④ Connect flex (T640)
- ⑤ Connect flex (T900)
- ⑥ Connect flex (T630)
- ⑦ Affix U12x2



- ⑧ Arrange lead wire by BT(6x15)

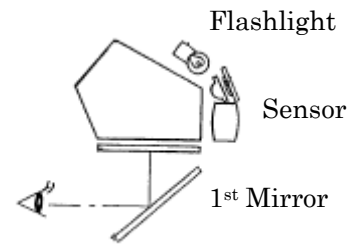


14. [Adjustment] Position of J100

Required equipment: flashlight or equivalent

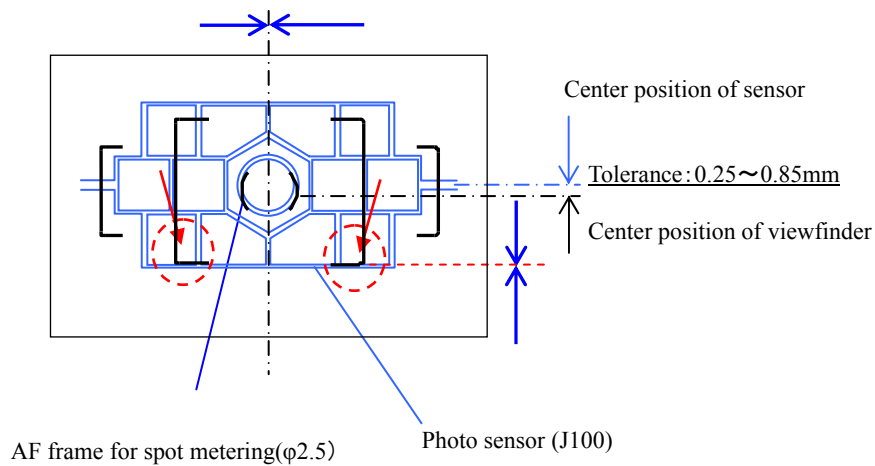
***Mirror must be at down position.**

- ① Cover the eyepiece with a hand or black tape.
- ② Positioning the flashlight to the photo sensor as shown in the figure right, and search the position where the pattern of the photo sensor can be seen on the 1st mirror from the mount ring side.

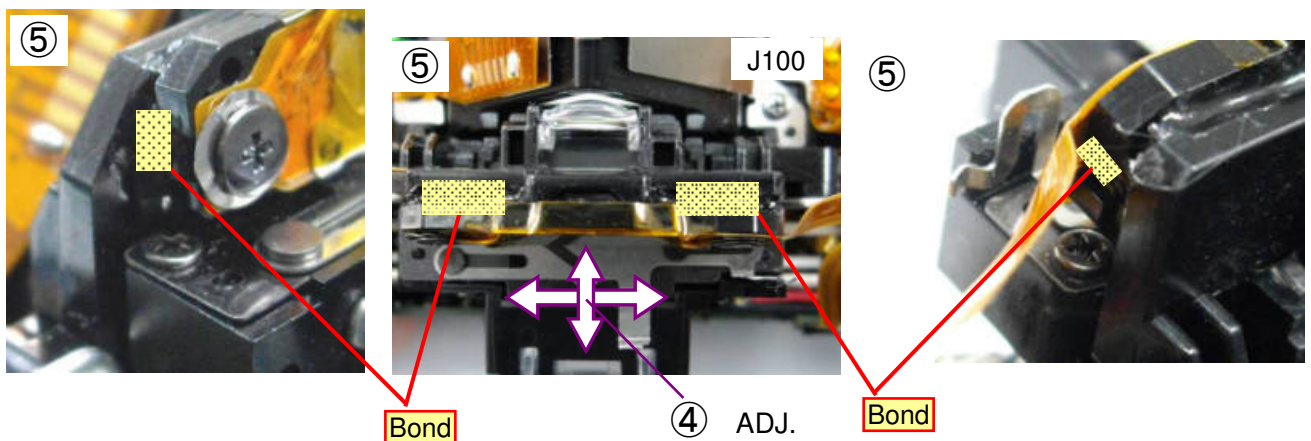


[Ref.] Attaching brighter lens is advisable to assist better visibility. (Ex.: FA 50mm f/1.4 Lens)

- ③ The photo sensor must be positioned at the AF frame and there is no inclination as shown in the figure.

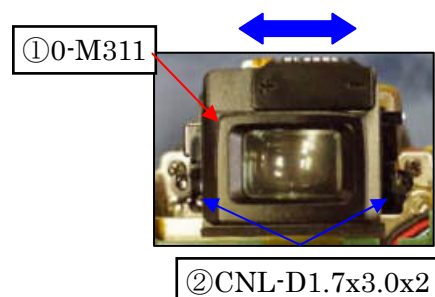


- ④ **[Adjust]** Loosen the screw a little, move J100 to adjust whole position. Tighten screw and ensure position is not changed.
- ⑤ After adjustment is completed, apply the Daia bond to J100 (4 places) as shown in the figure.



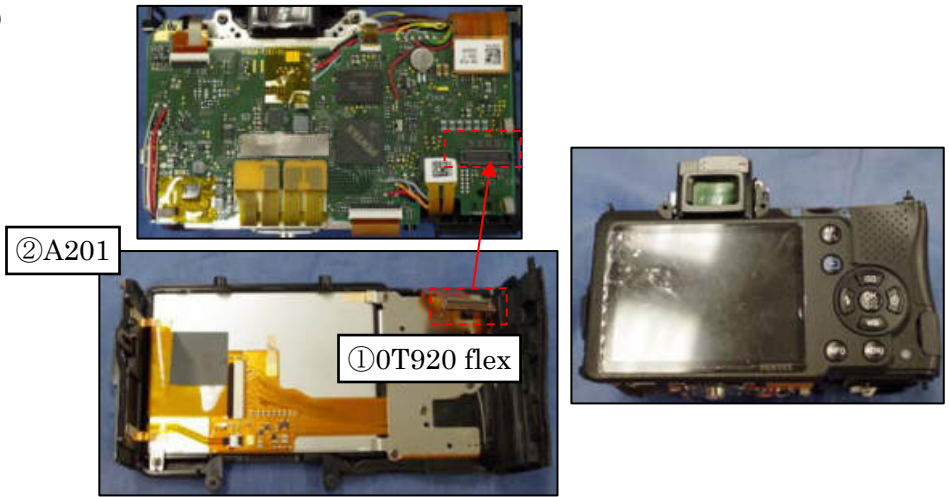
15. 0-M311(Eyepiece frame cover)

- ① 0-M311 M311 --- Engage diopter lever.
- ② CNL-D1.7x3.0x2
- ③ **[Confirm]** When move diopter adjustment lever, viewfinder must be engaged.

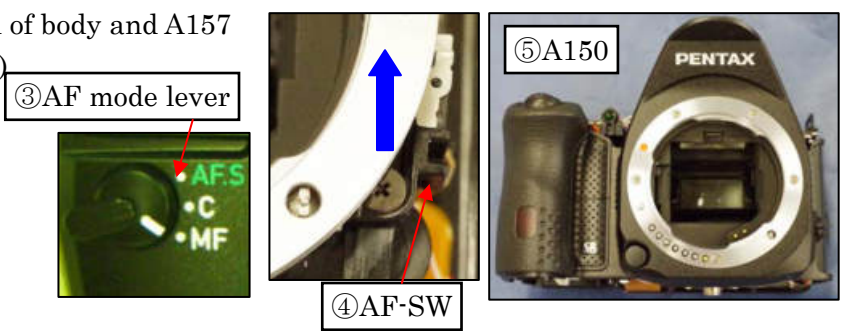


16. A150 and A201 (Front cover and Back cover)

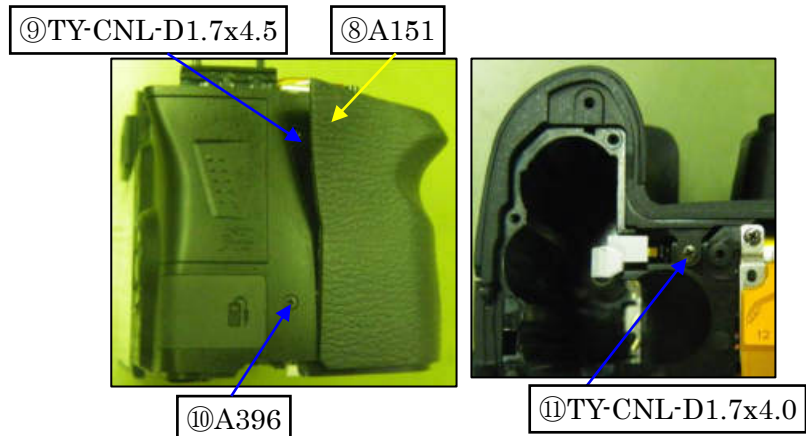
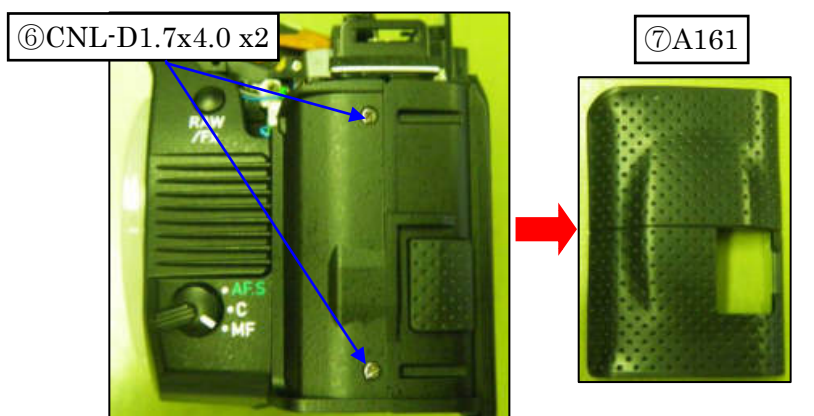
- ① Connect T920 flex (Plug-in)
- ② Install A201



- ③ Set the AF mode lever to [AF] both of body and A157
- ④ Set the F-SW to [MF] (top position)
- ⑤ A150

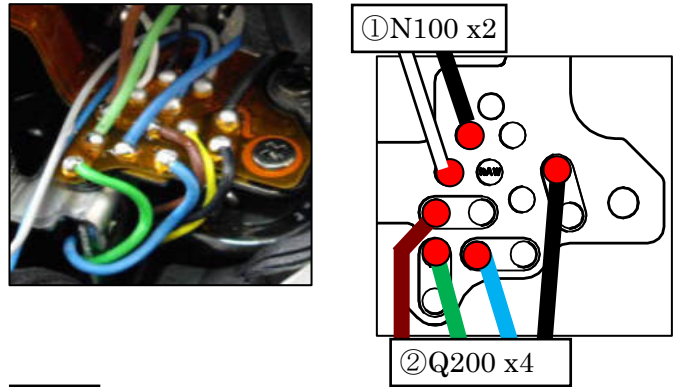


- ⑥ CNL-D1.7x4.0 x2
- ⑦ A161
- ⑧ Peel off A151 grip rubber
- ⑨ TY-CNL-D1.7x4.5
- ⑩ A396
- ⑪ TY-CNL-D1.7x4.0

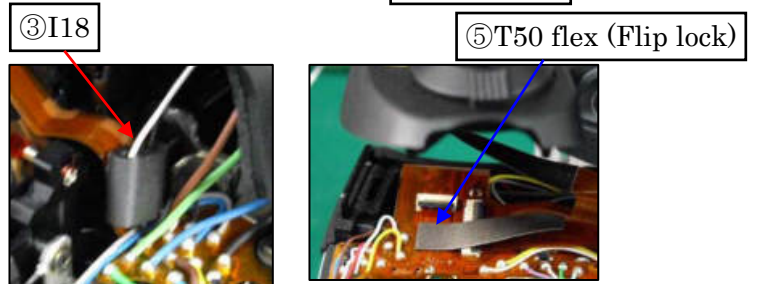


17. A301 (Top cover)

- ① Solder 2 lead wires from N100
- ② Solder 4 lead wires from Q200



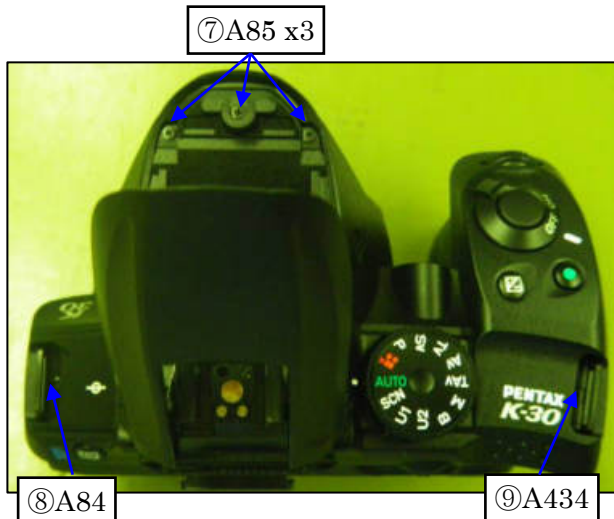
- ③ Lace lead wires from N100 to I18
- ④ Affix I18
- ⑤ Connect flex (T50)



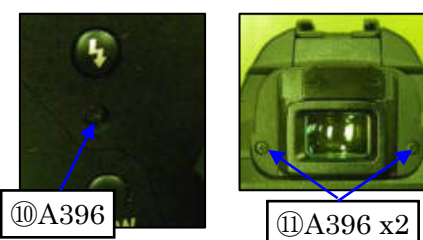
- ⑥ A301



- ⑦ A85 x3
- ⑧ A84
- ⑨ A434



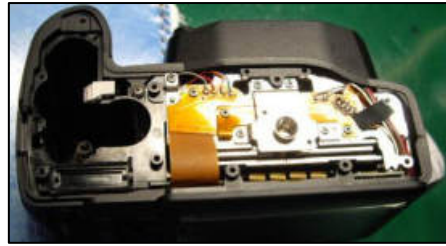
- ⑩ A396
- ⑪ A396 x2



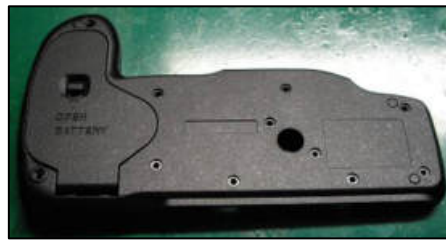
18. A401 (Bottom cover)

***If you adjust M100 position (SLR function, CCD position), Install temporary bottom cover at this point. After adjustment, apply screw lock to M100 adjustment screw (3 screws) then install original bottom cover.**

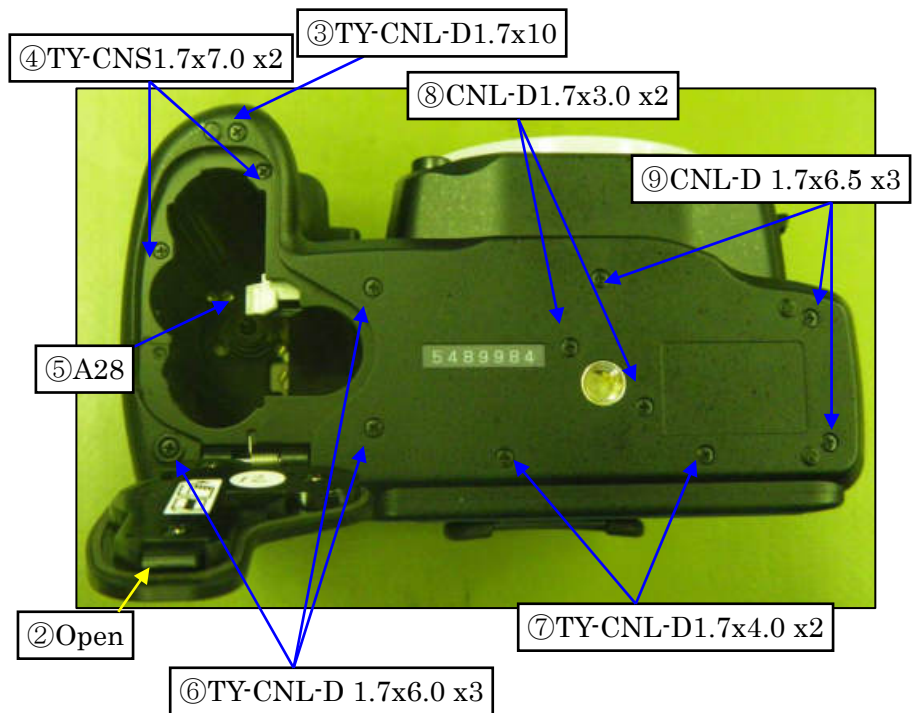
① A401



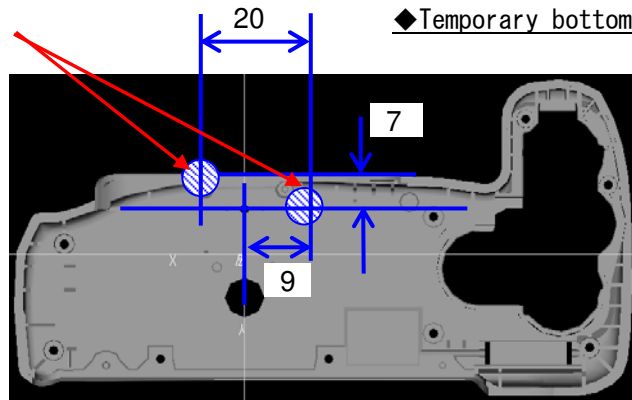
①A401



- ② Open the battery cover
- ③ TY-CNL-D1.7x10
- ④ TY-CNS1.7x7.0 x2
- ⑤ A28
- ⑥ TY-CNL-D1.7x6.0 x3
- ⑦ TY-CNL-D1.7x4.0 x2。
- ⑧ CNL-D1.7x3.0 x2
- ⑨ CNL-D1.7x6.5 x3



φ 10



◆Temporary bottom cover