

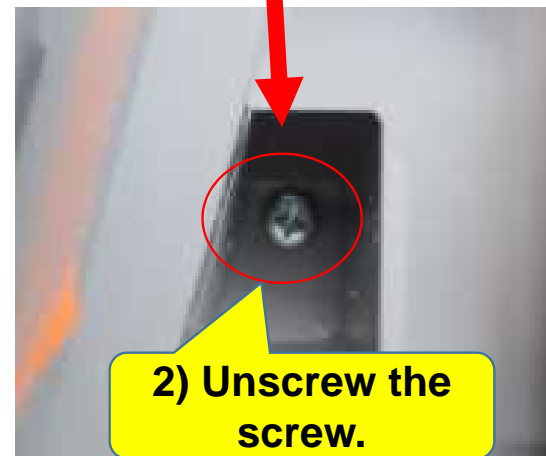
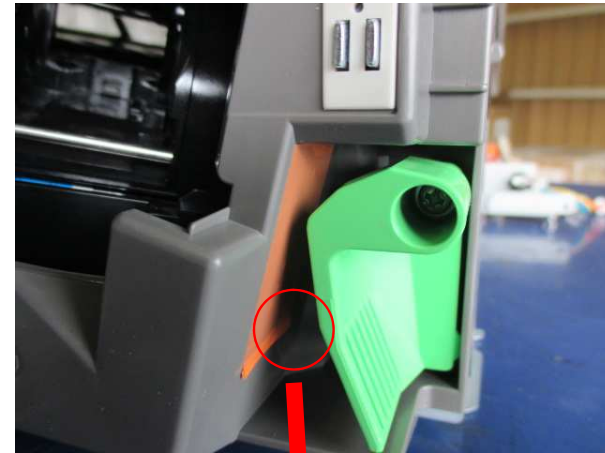
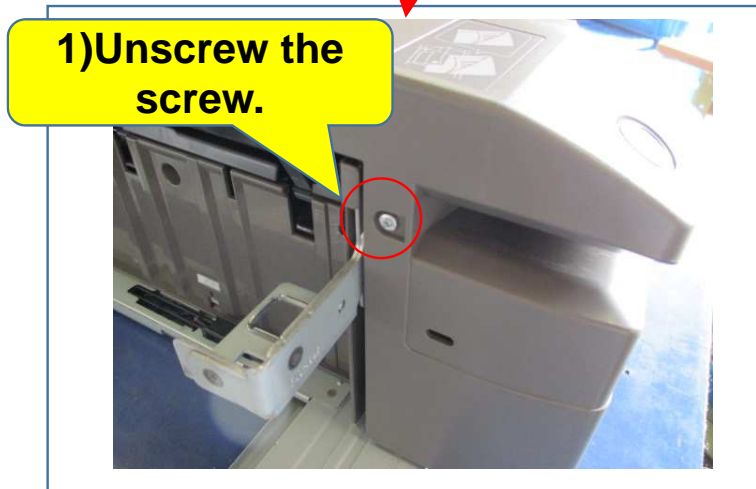
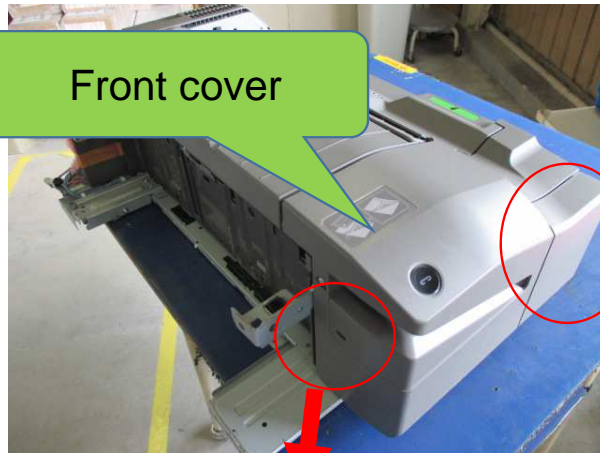
# MX-FN27

## Assist unit

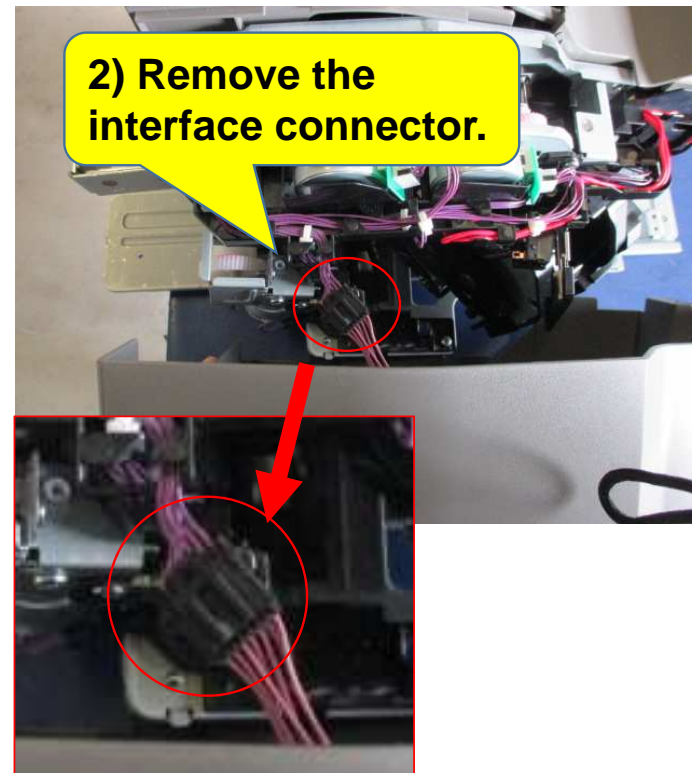
### alignment procedure

## [(1)Removal of Front cover]

Unscrew the screws (x2) of the front cover.



**[(2) Removal of Front cover]**  
**Remove the front cover.**



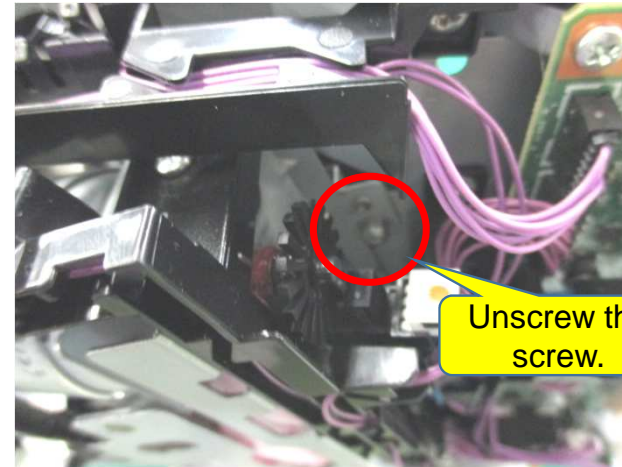
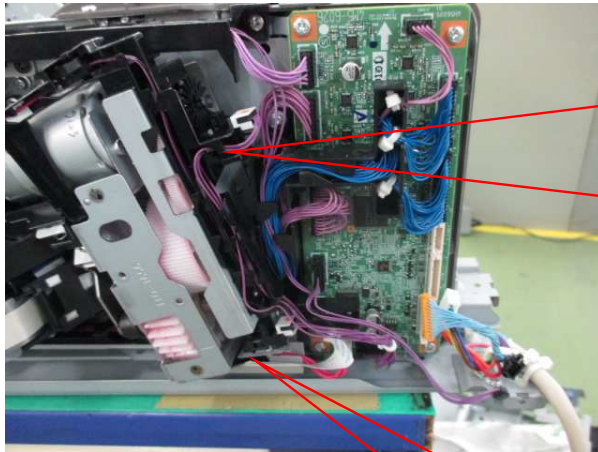
## [Removal of Rear cover]

**Remove the screws (x2) and the connectors (x3).**

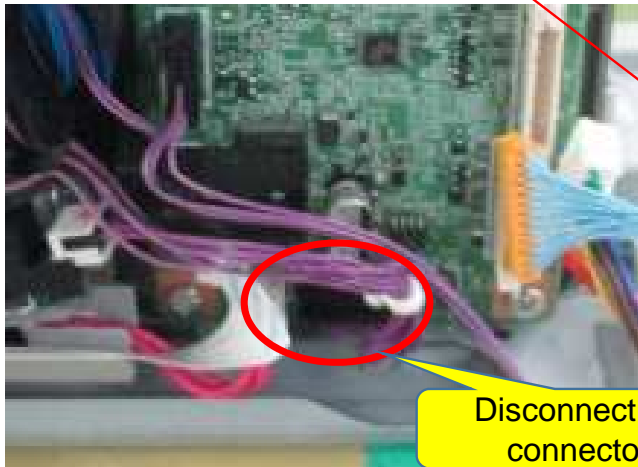


## [Removal of NS unit]

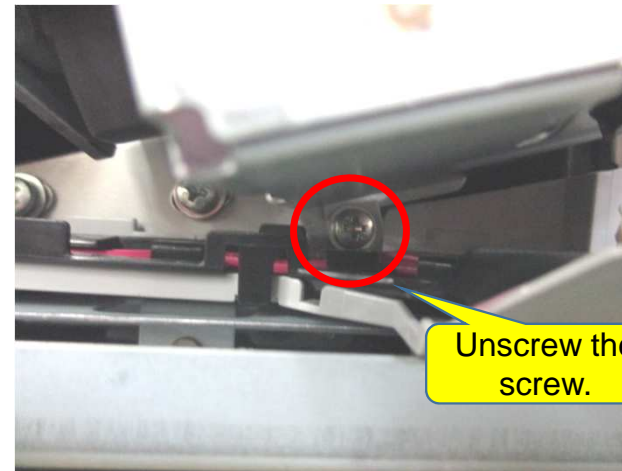
Remove the screws (x2) and the connector (x1).



Unscrew the screw.



Disconnect the connector.

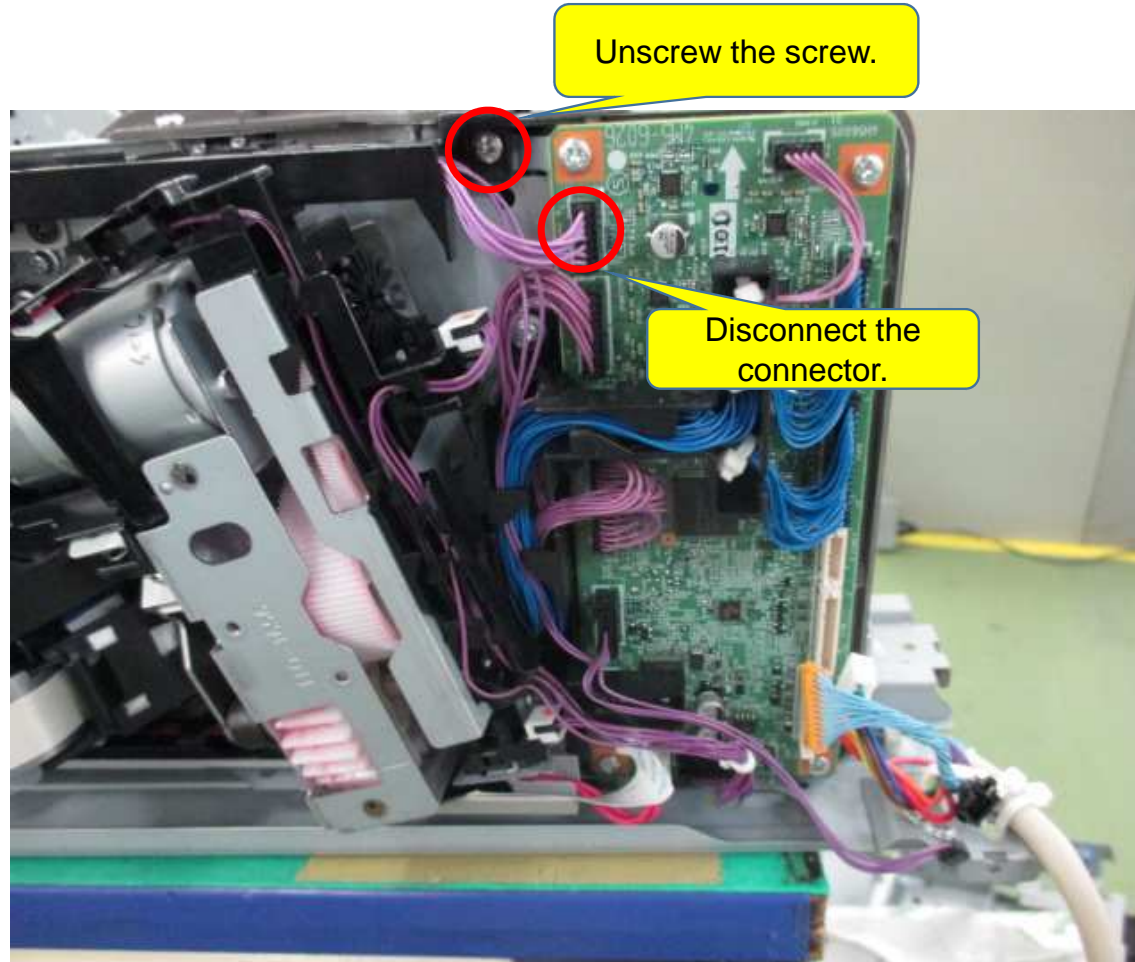


Unscrew the screw.



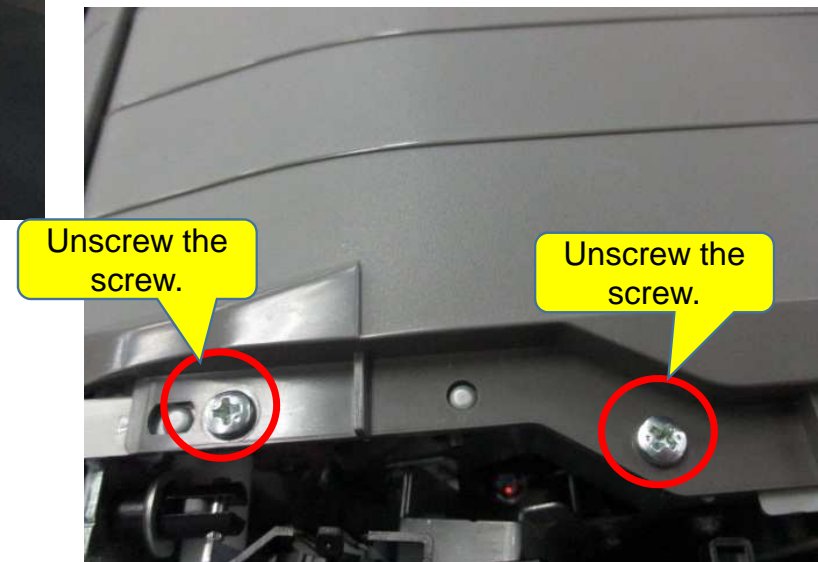
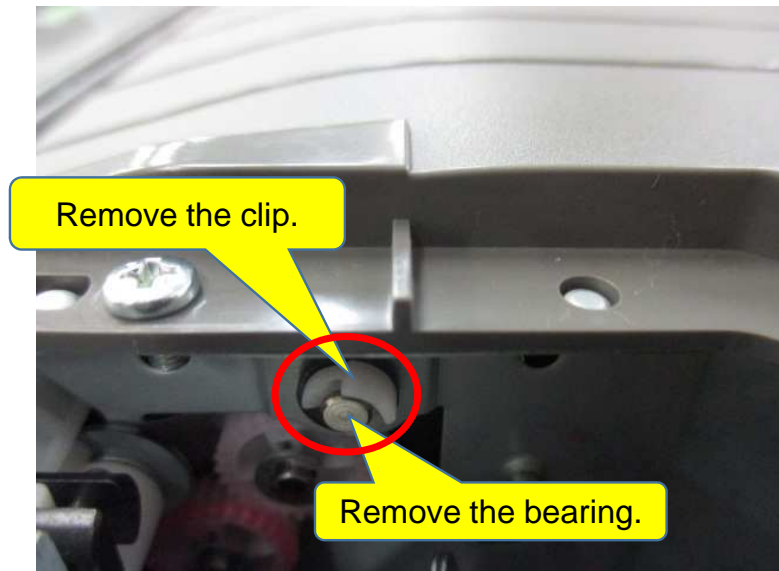
## [Removal of Harness guide]

Remove the screw (x1) and the connector (x1).



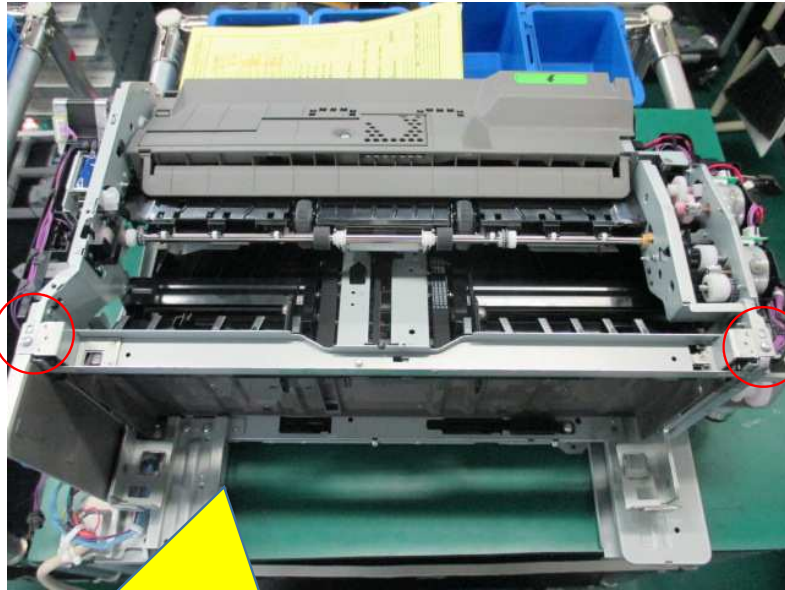
### [Removal of Upper guide]

Unscrew the screws (x2), and remove the clip and bearing.  
Remove the upper guide while sliding it upward.

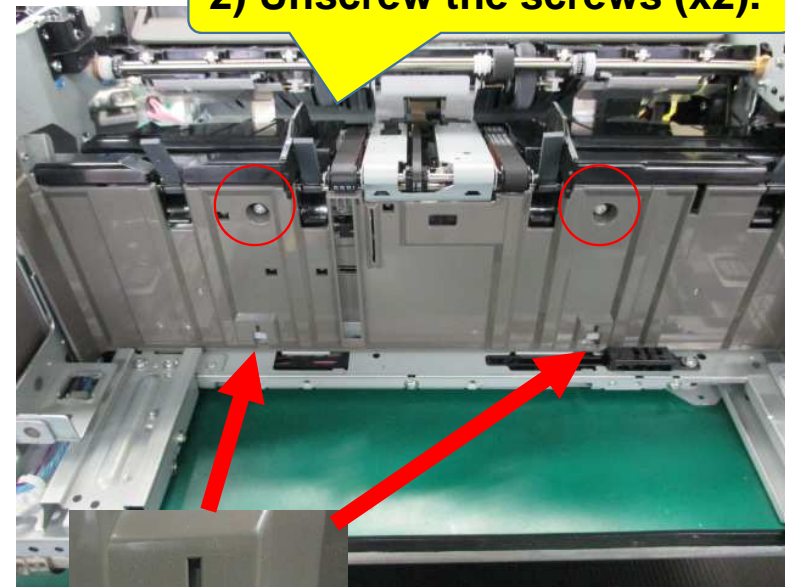


## [Removal of Upper stay/Cabinet]

Unscrew the screws (x4) and remove the upper stay/cabinet.



1) Unscrew the screws (x2).



2) Unscrew the screws (x2).

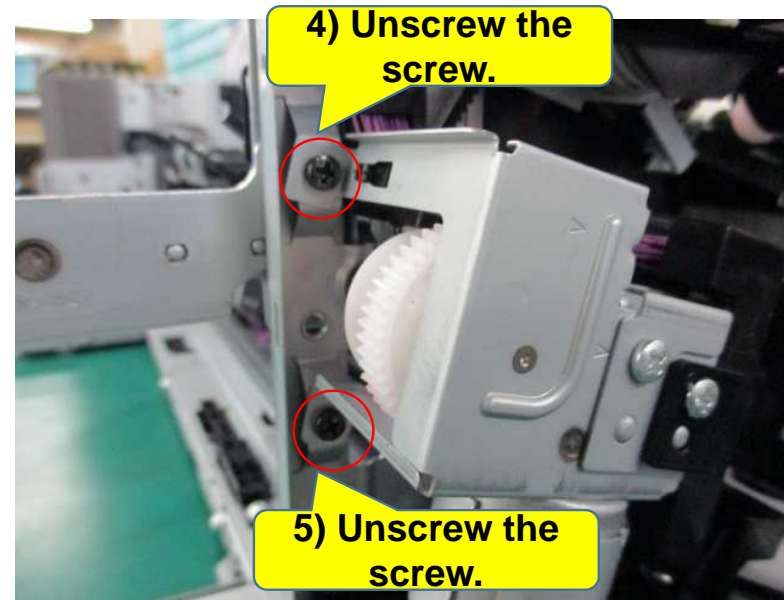
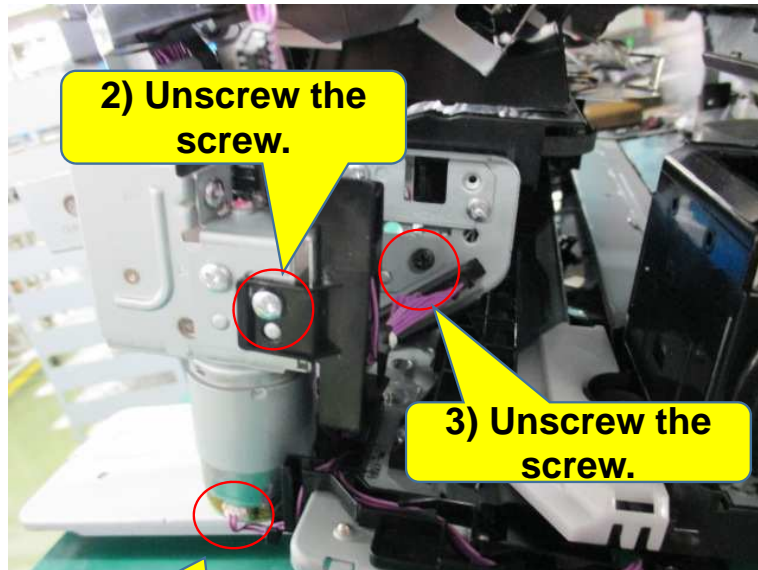


Note: Pawls are fit in so please remove the cabinet while sliding it upward.

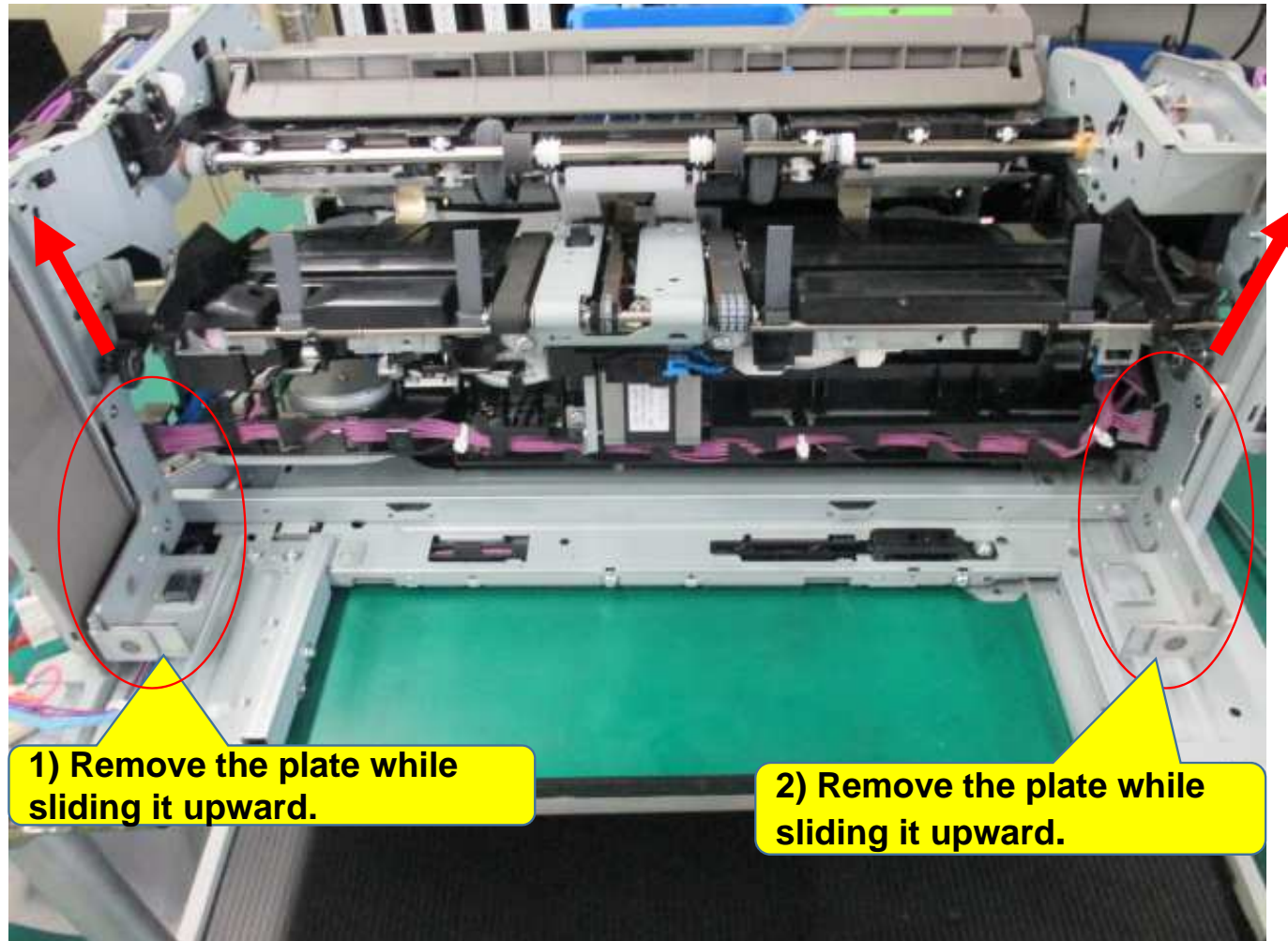


## [Removal of Tray unit motor]

Disconnect the connector (x1), unscrew the screws (x4), and then remove the tray unit motor.

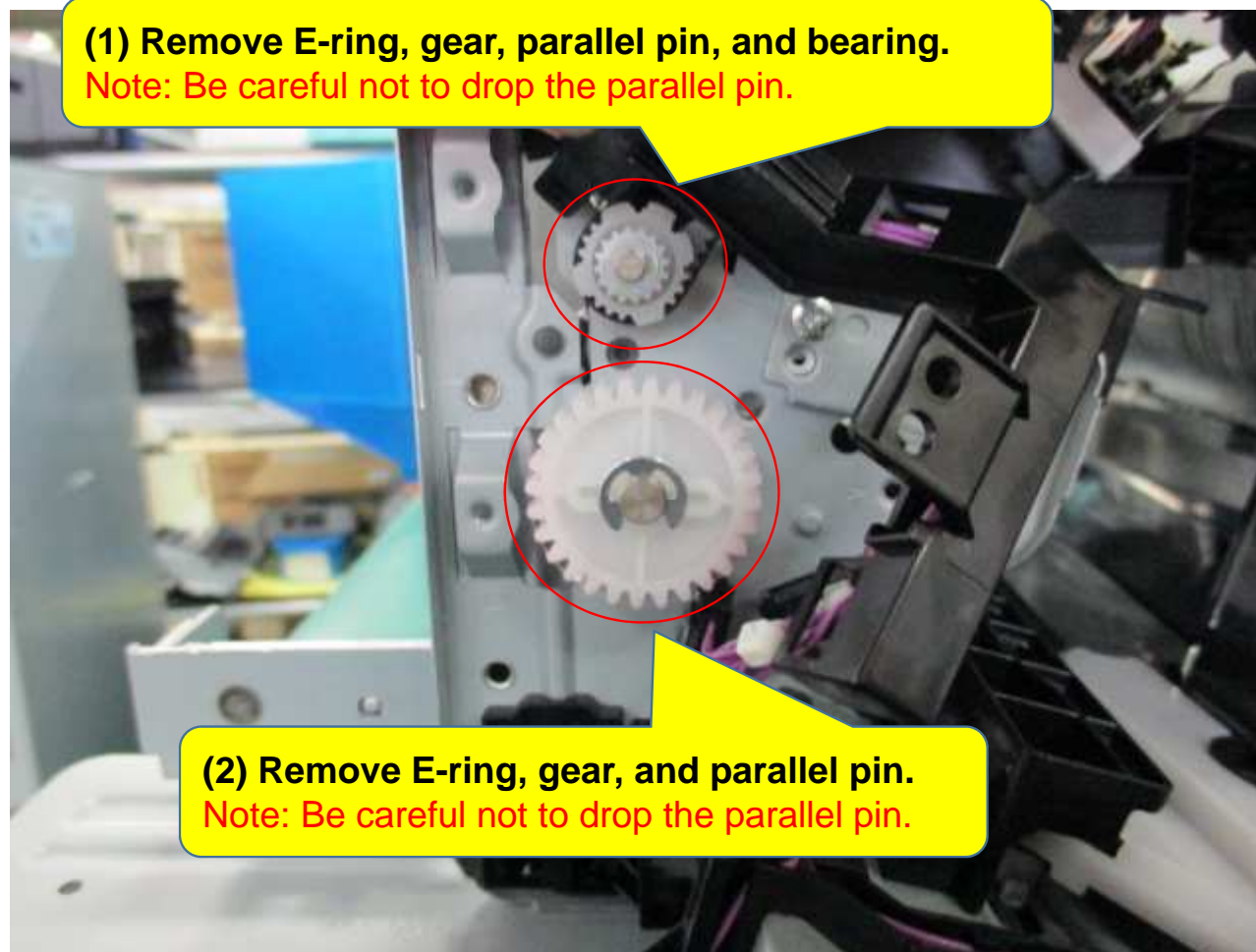


**[Removal of Tray plate]**  
**Remove the tray plates (x2).**

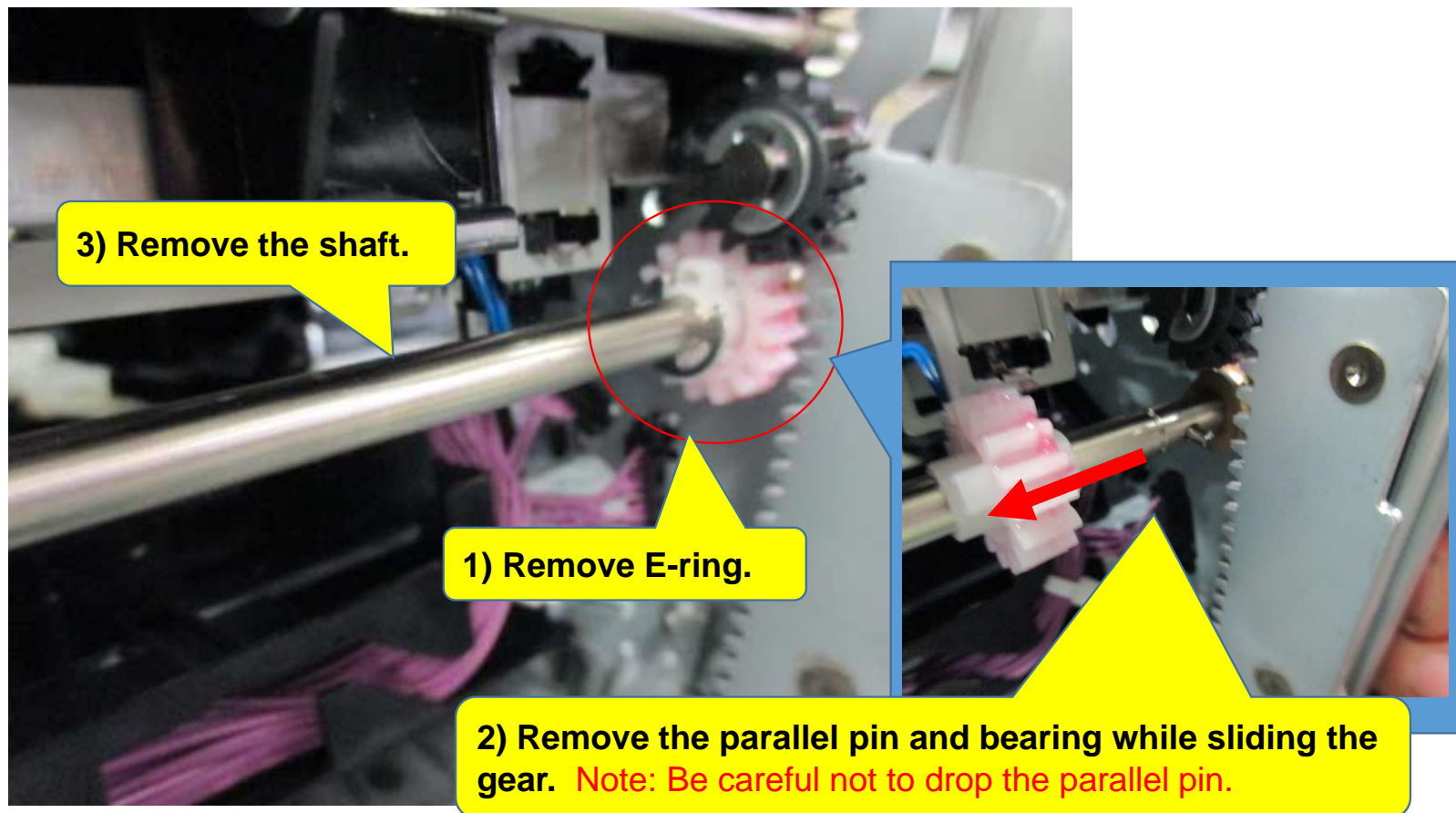


**[(1) Removal of Tray drive shaft and Paper fixing shaft]**

**Remove E-rings (x2), parallel pins (x2), gears (x2), and bearing (x1).**

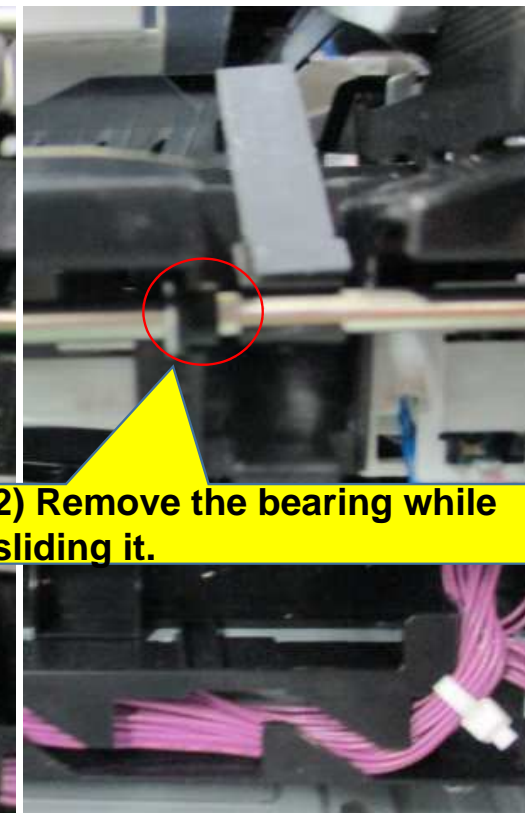
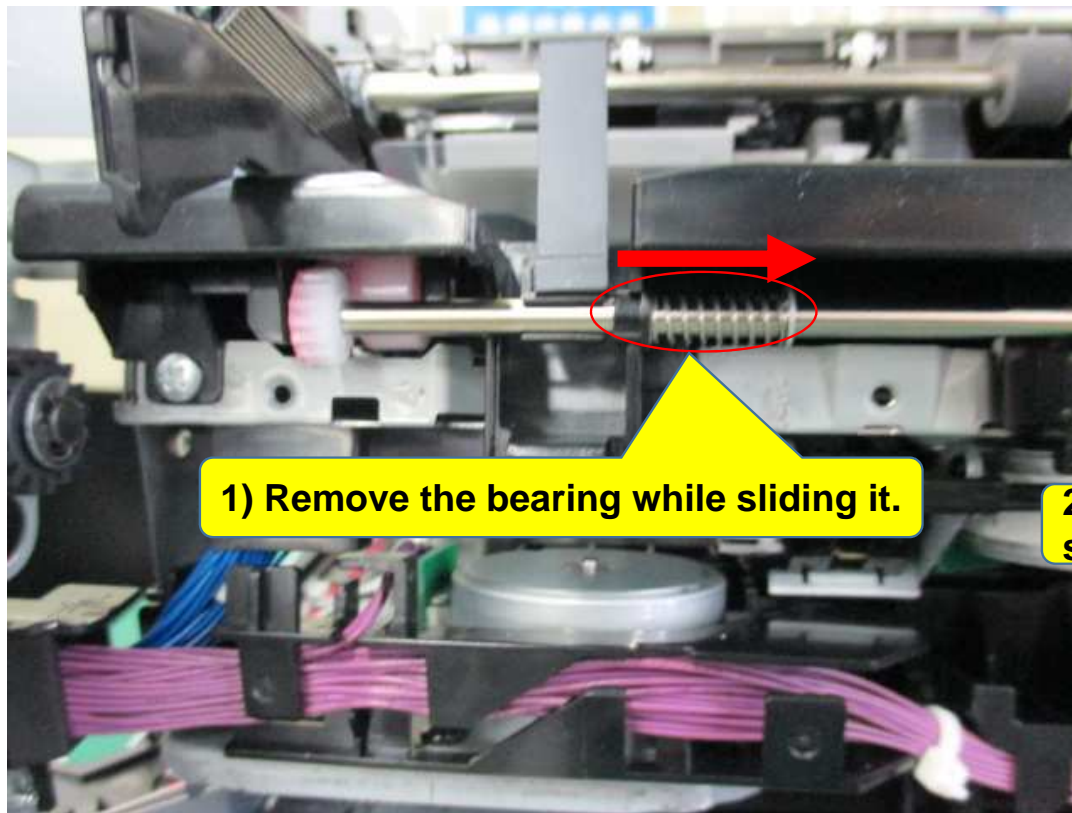


**[(2) Removal of Tray drive shaft and Paper fixing shaft]  
Remove E-ring (x1), parallel pin (x1), bearing (x1), and then  
remove the tray drive shaft.**





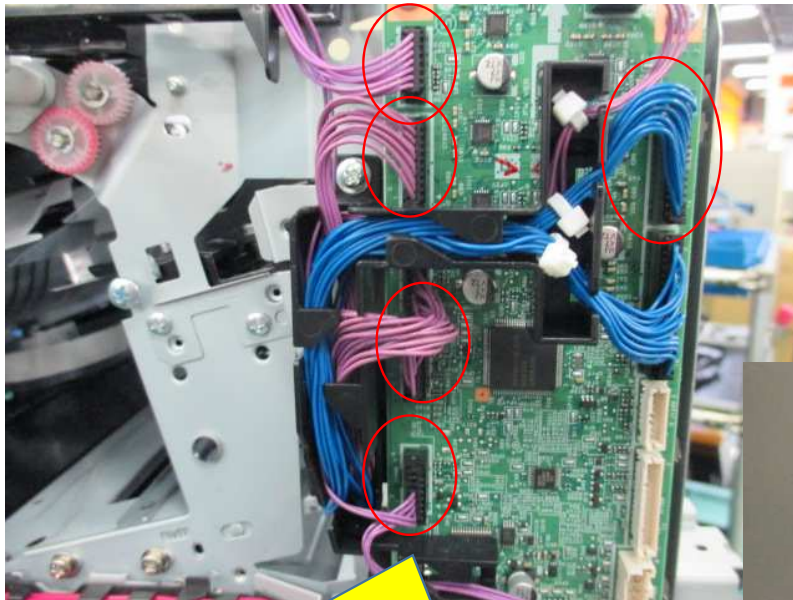
**[(3) Removal of Tray drive shaft and Paper fixing shaft]**  
**Remove the bearings (x2), and then remove the paper fixing shaft.**





### **[(1) Removal of Processing unit]**

**Disconnect the connectors (x6), and then remove the wiring of blue harnesses (x2).**

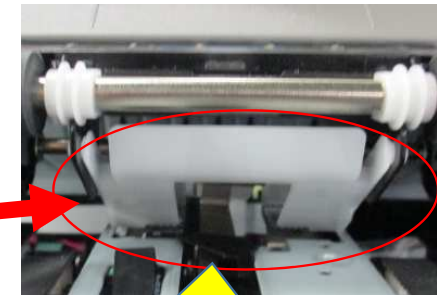
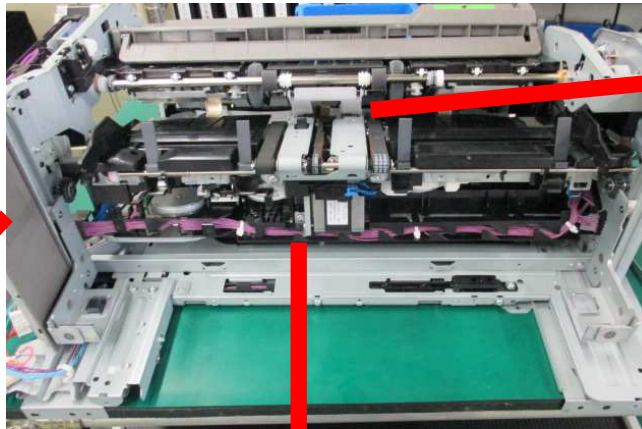


**1) Disconnect the connectors (x6).**

**2) Remove the wiring and place it inside.**



**[(2) Removal of Processing unit]  
Unscrew the screws (x5) and resin guide (x1).**



**4) Remove the resin guide.**



**3) Unscrew the screws (x2).**



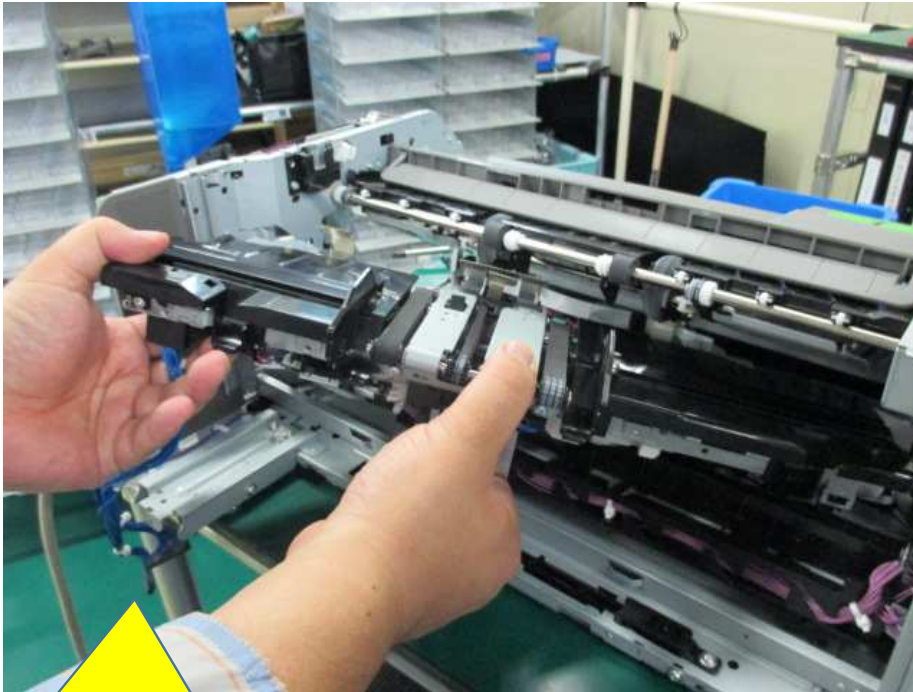
**1) Unscrew the screw (x1).**



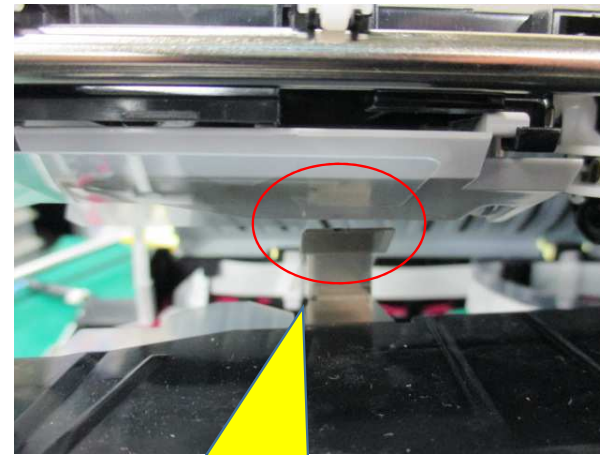
**2) Unscrew the screws (x2).**

### **[(3) Removal of Processing unit]**

**Remove the processing unit.**

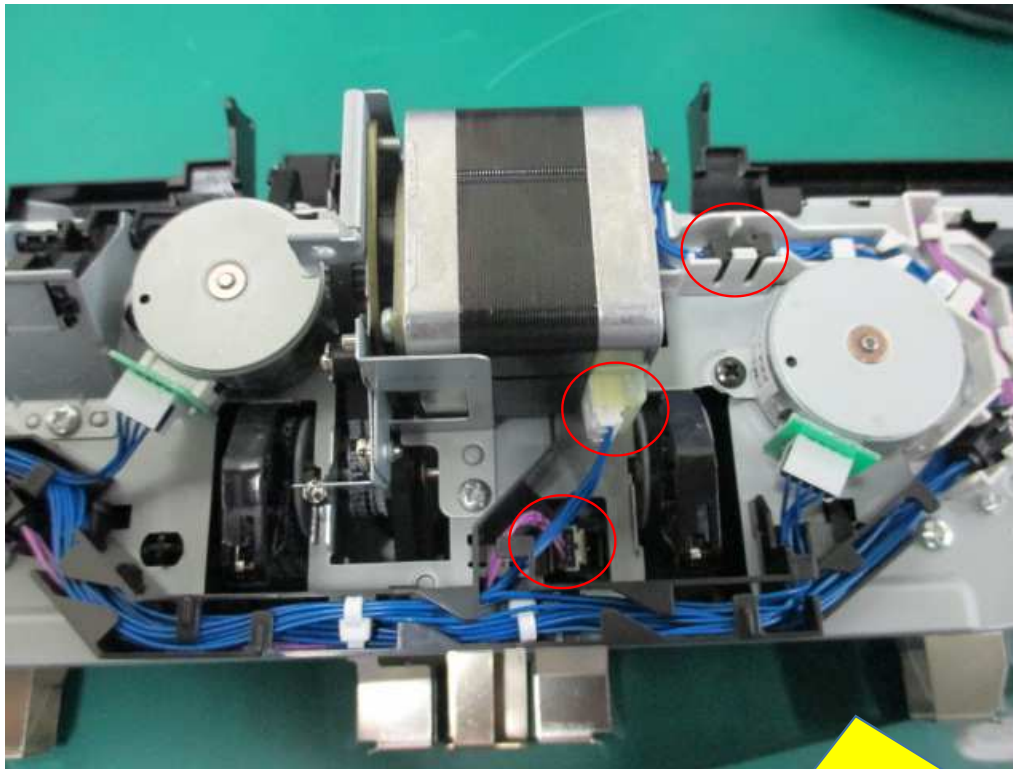


**1) Remove the unit from the front side.**



**Note: Be careful of the interference of Rear edge regulation plate.**

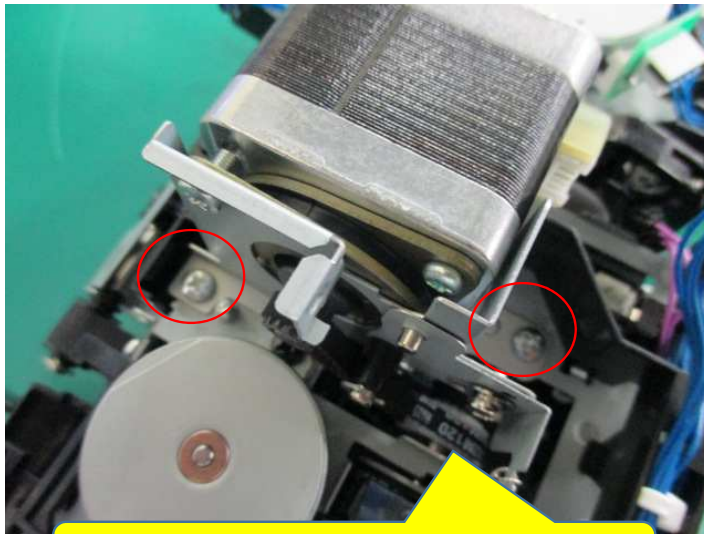
**[(1) Removal of Assist unit]  
Disconnect the connectors (x3).**



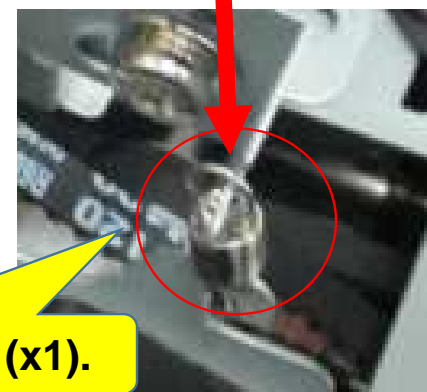
**(1) Disconnect the connectors (x3).**



**[(2)Removal of Assist unit]**  
**Unscrew the screws (x2) and remove the spring (x1),**  
**and then remove the assist motor.**



**1) Unscrew the screws (x2).**

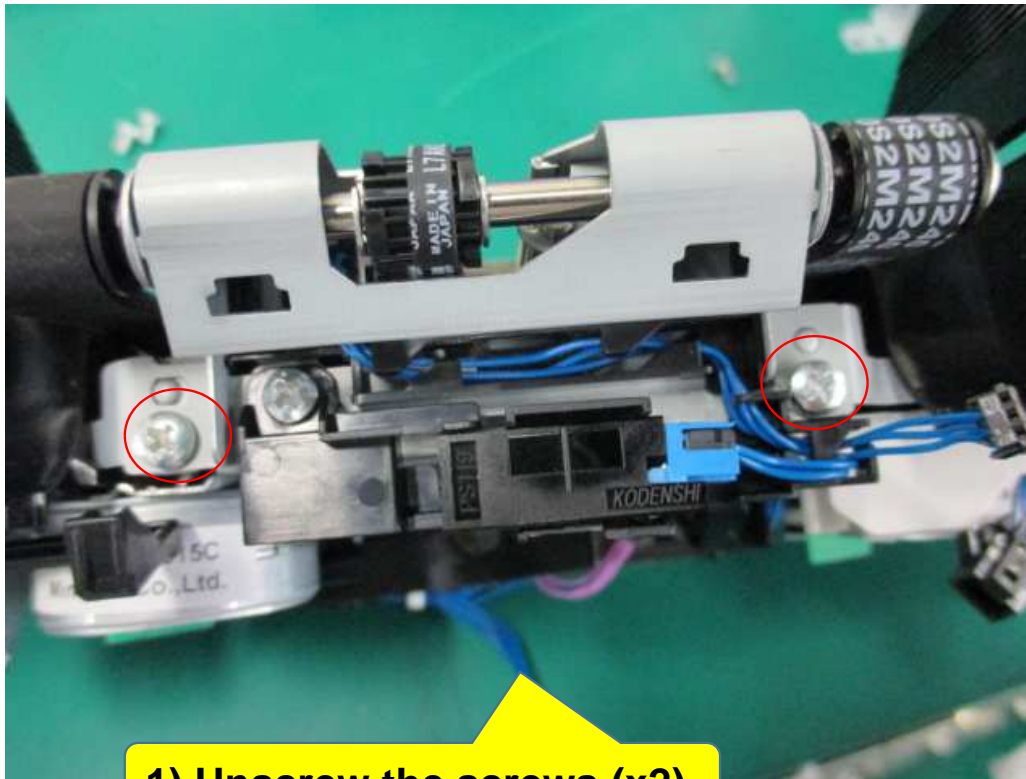


**2) Remove the spring (x1).**



### **[(3) Removal of Assist unit]**

**Unscrew the screws (x2), and remove Assist unit.**

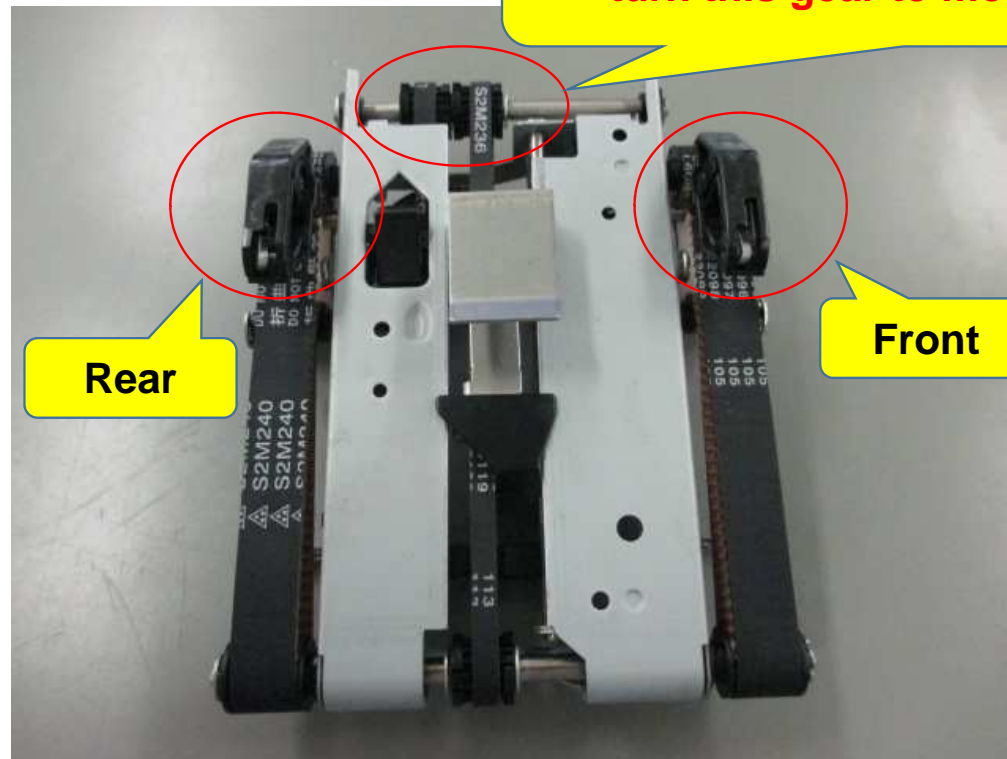


**1) Unscrew the screws (x2).**

**[(1) Alignment of Assist unit]**  
**Make alignment of the assist unit.**

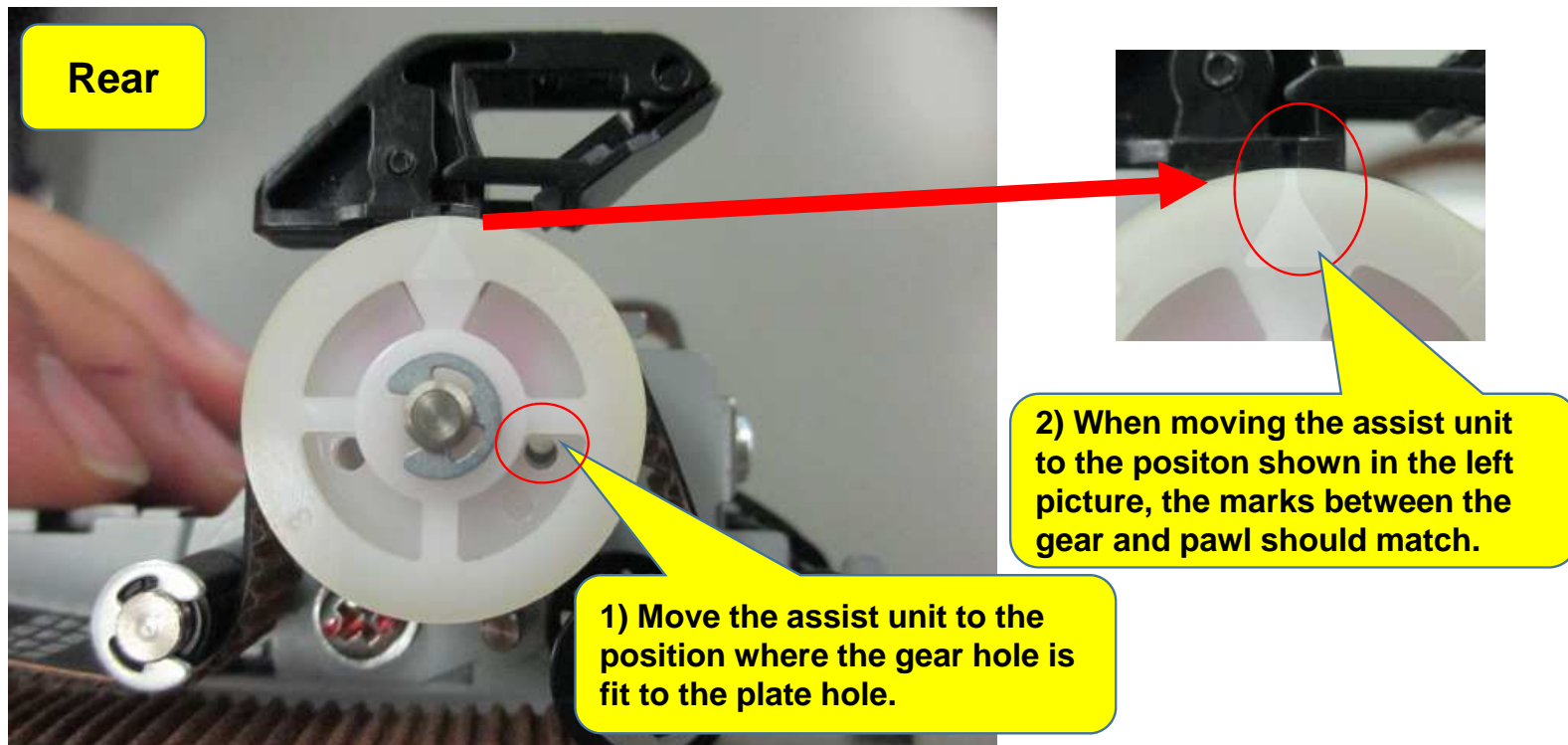
From the video data, the front side seems to be misaligned.

**When moving the assist during work, please  
turn this gear to move the assist unit.**



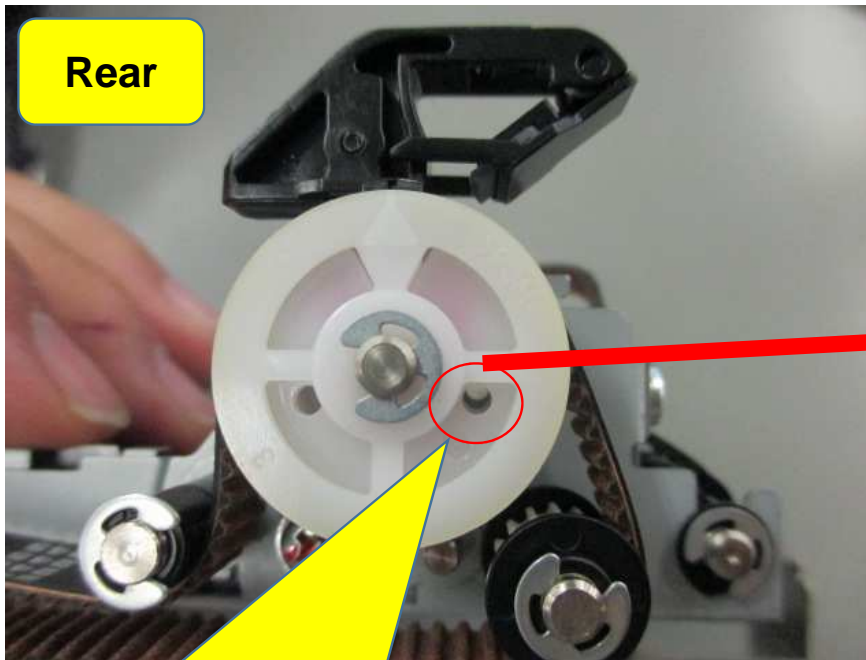
## **[(2) Alignment of Assist unit]**

**Move the assist unit and place the position below:**



### [(3) Alignment of Assist unit]

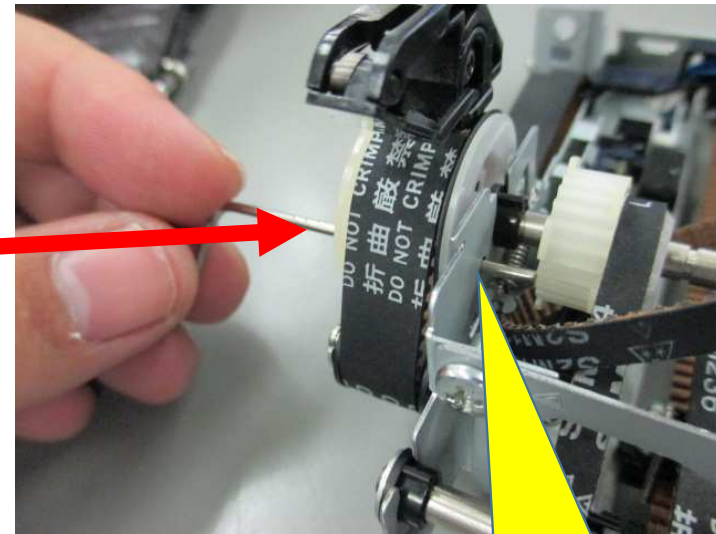
Insert the rod into the hole, and then fix the assist unit.



Rear

1) Insert the rod.

\*Please use the firm material like the iron. Hex wrench is used in the photo.

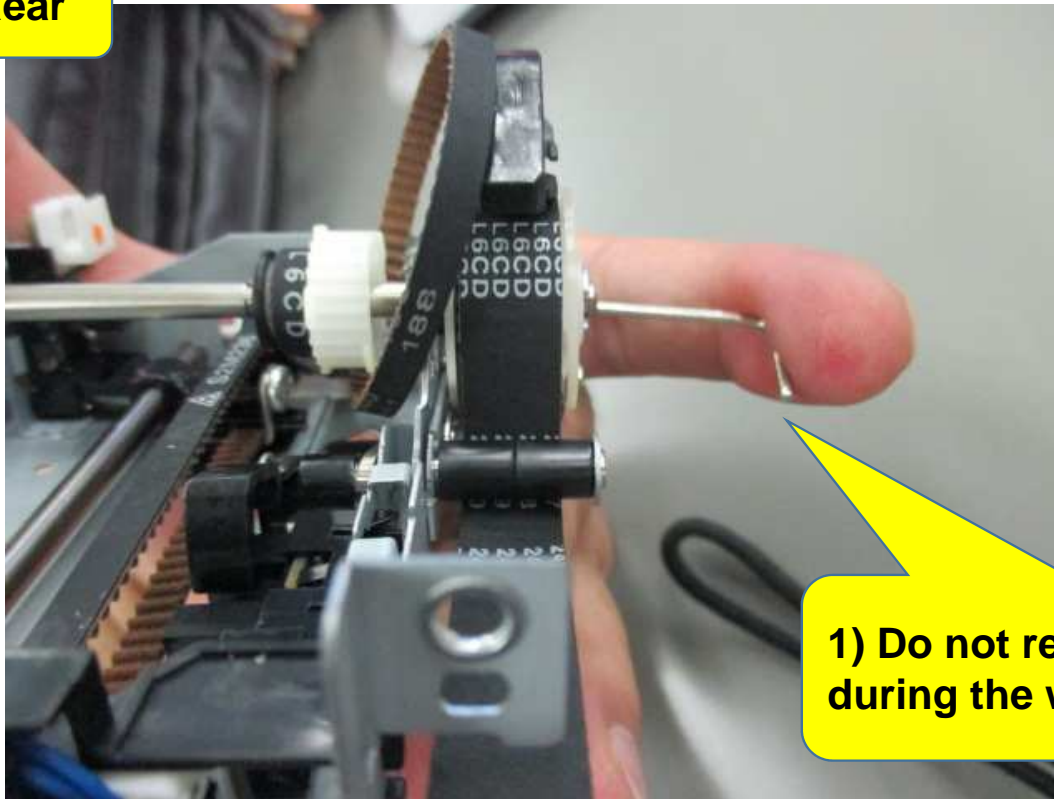


2) Insert it up to the plate.

#### **[(4) Alignment of Assist unit]**

**Insert the rod into the hole, and then fix the assist unit.**

**Rear**

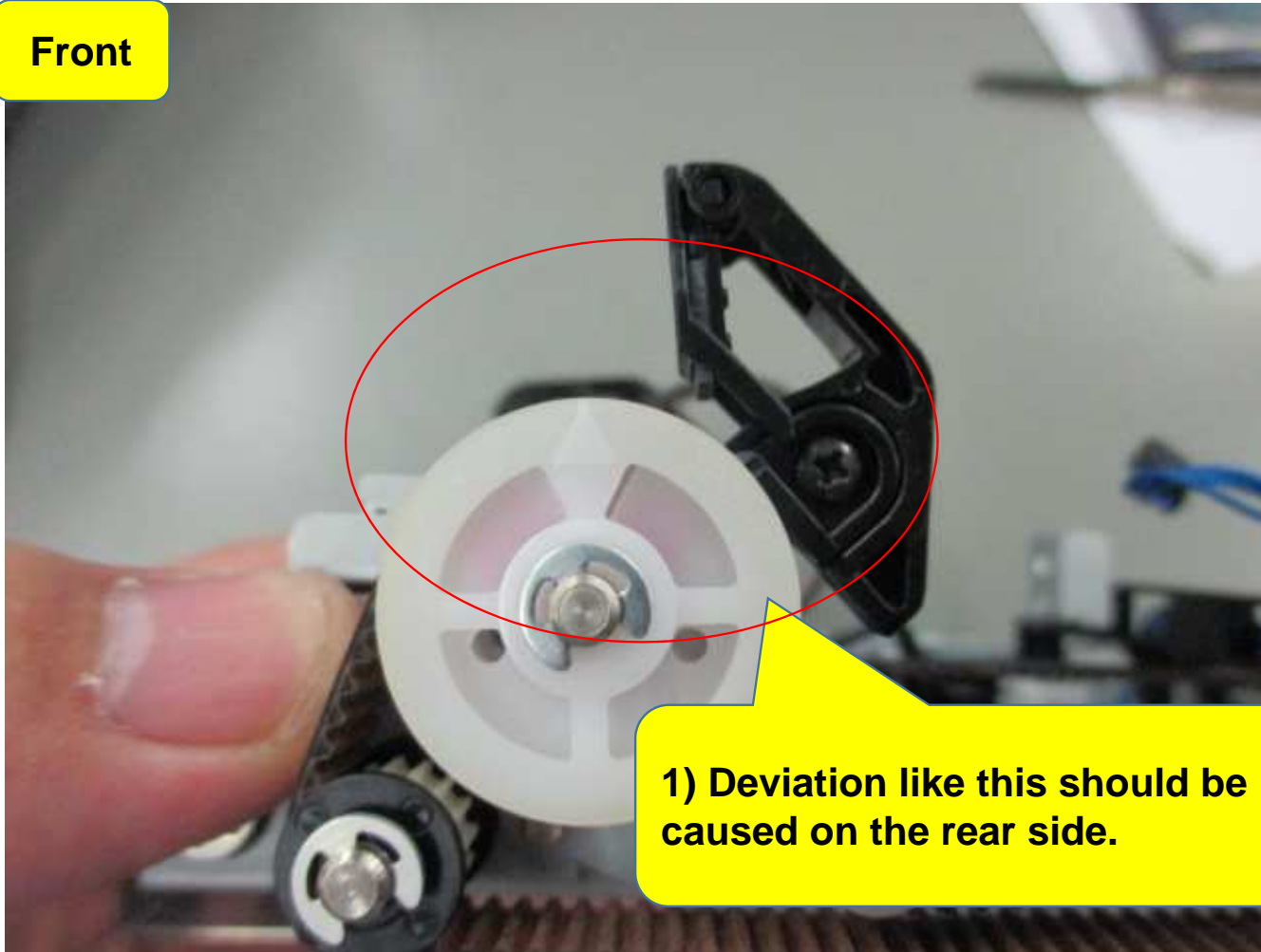


**1) Do not remove this rod during the work.**



**[(5) Alignment of Assist unit]  
Check the front side.**

**Front**

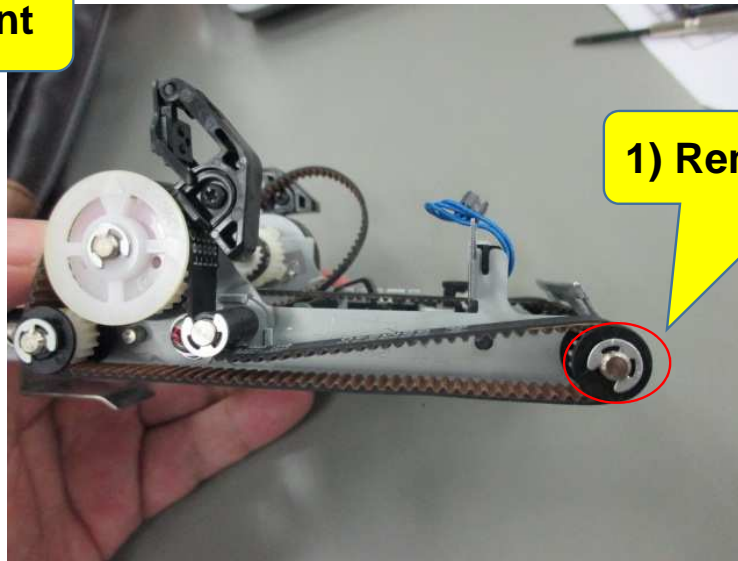


**1) Deviation like this should be caused on the rear side.**

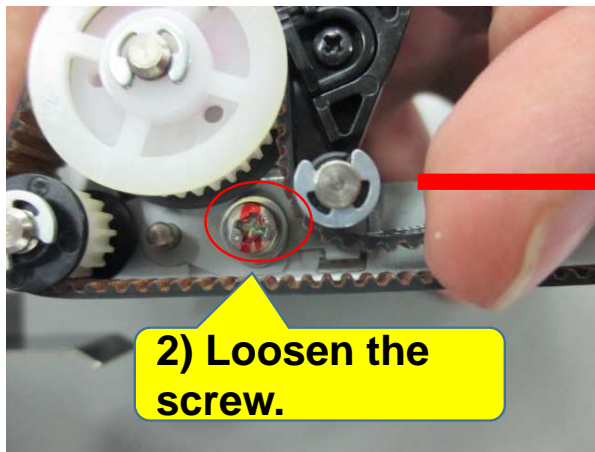
## [(6) Alignment of Assist unit]

Remove E-ring (x1) on the front side. Release the tension and then remove the belt.

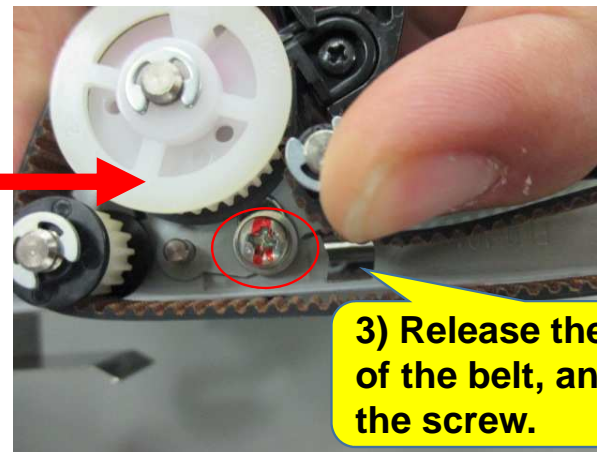
Front



1) Remove E-ring.



2) Loosen the screw.

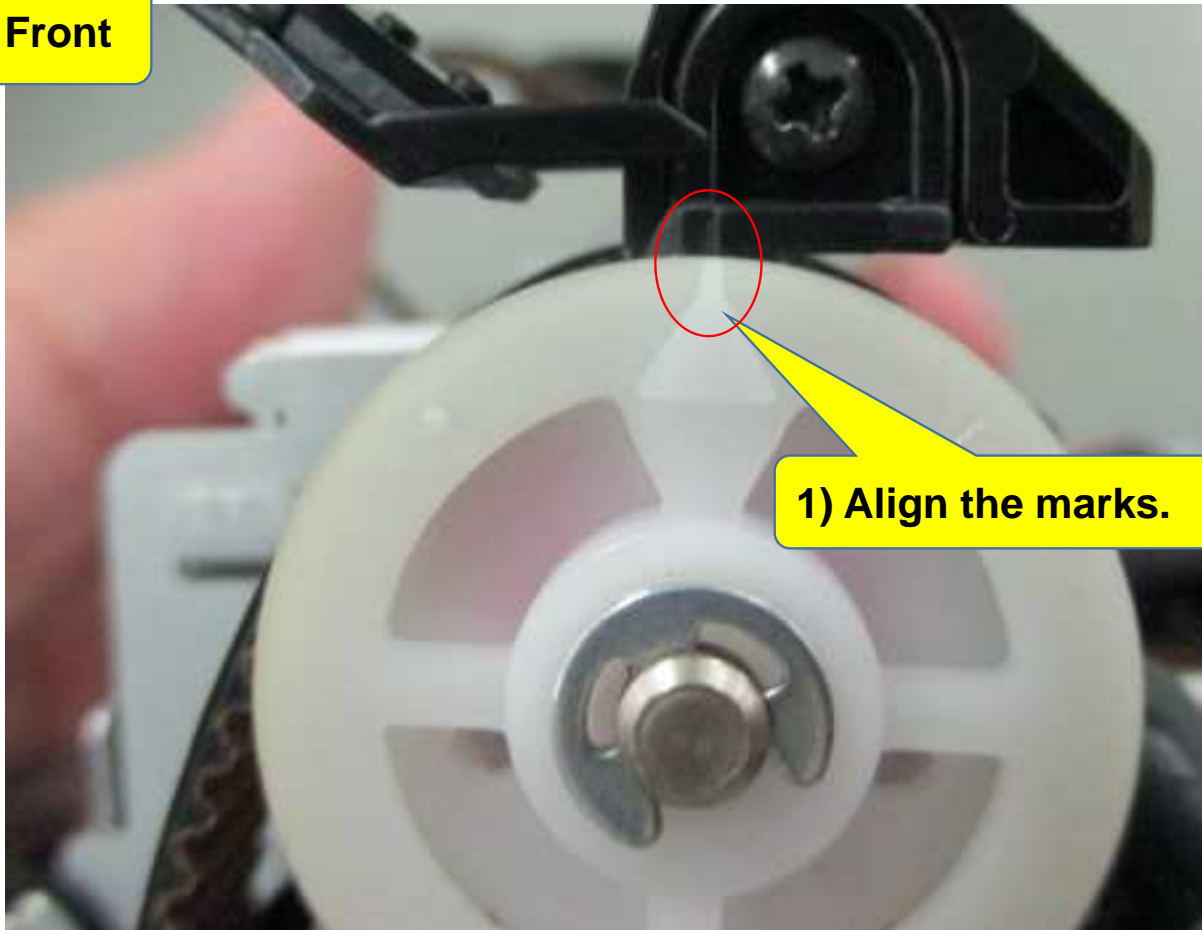


3) Release the tension of the belt, and tighten the screw.

**[(7) Alignment of Assist unit]**

**Align the pawl of assist unit to the mark of the gear, and adjust the position.**

**Front**

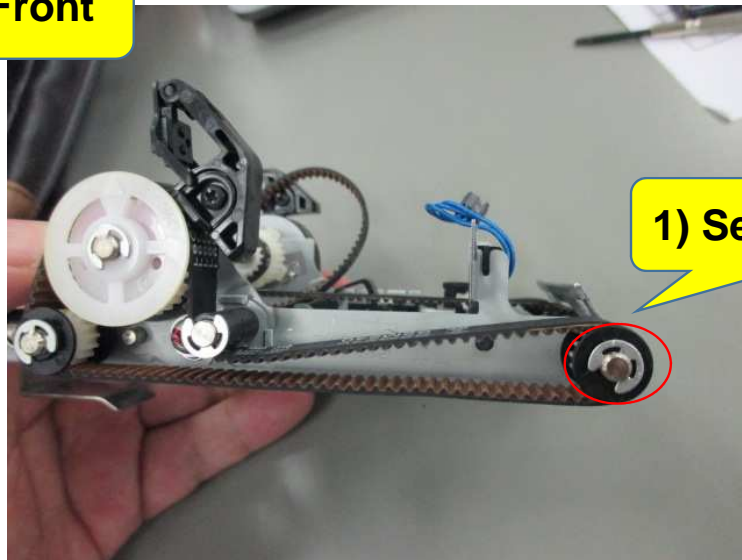


**1) Align the marks.**

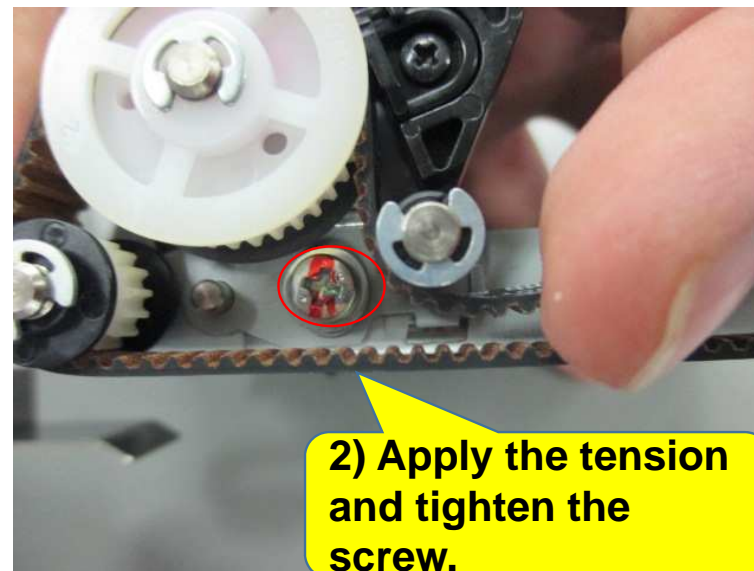
### **[(8) Alignment of Assist unit]**

**Set E-ring (x1) to prevent the adjusted position from shifting, and then apply the tension.**

**Front**



**1) Set E-ring.**



**2) Apply the tension and tighten the screw.**

### **[(9) Alignment of Assist unit]**

**Move the assist unit to the position below, and check the alignment between the front and rear.**

