
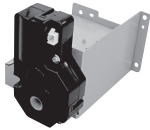
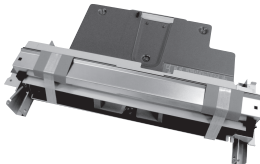










# MB-504 Multi Bypass Tray

## INSTALLATION MANUAL

Applied Machine: C7000/C7000P/C6000/C70hc  
 COLOR PRESS: (71ppm/71ppm)/(70ppm/70ppm)/(60ppm/60ppm)  
 Product Code: A1DU/A204/A1DV/A205

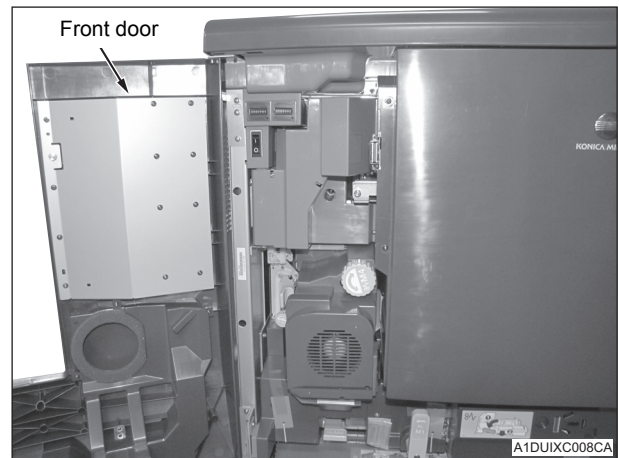
### I. Accessory parts

No.	Name	Shape	Q'ty
1.	Paper feed assembly	 A21EIXC001CA	1
2.	Motor	 A21EIXC002CA	1
3.	Bypass assembly	 A21EIXC003CA	1
4.	Plastic material	 A21EIXC004CA	1
5.	Clutch	 A21EIXC005CA	1
6.	Gear	 A21EIXC006CA	1
7.	E-ring	 A21EIXC007CA	1
8.	C-clip/1	 A21EIXC008CA	1
9.	C-clip/2	 A21EIXC009CA	1
10.	TPscrew M3x6		3
11.	TPscrew M4x6		4

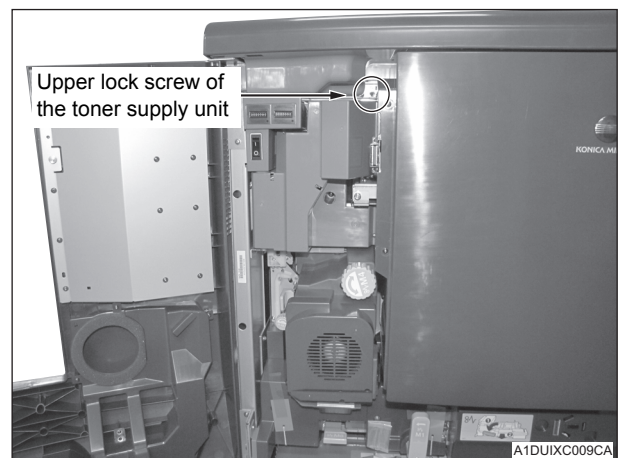
### II. Installation Procedure

1. Open the toner supply unit and the front door of the Machine.

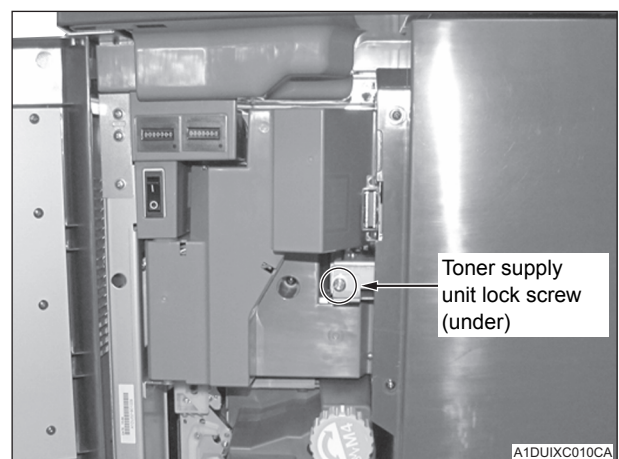
(1) Open the front door of the Machine.



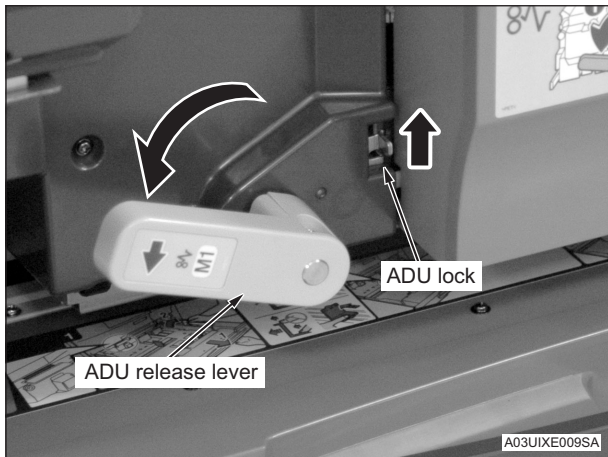
(2) Loosen the upper lock screw of the toner supply unit.



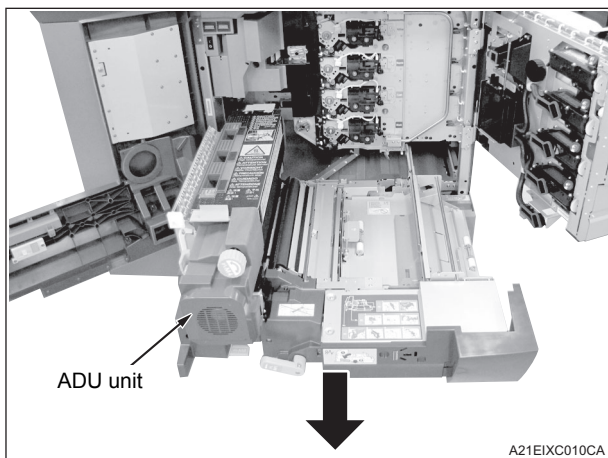
(3) Loosen the lower lock screw toner supply unit, open the toner supply unit.



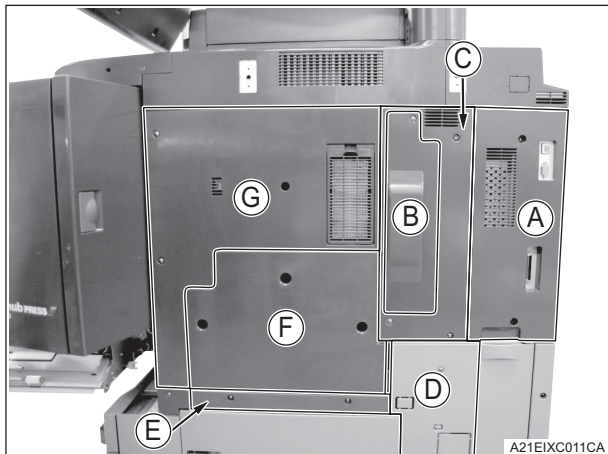
- (4) Turn the ADU release lever to the left, while keeping the ADU lock open.



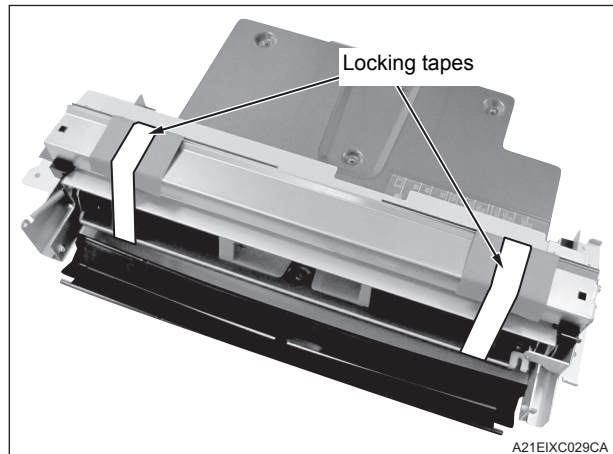
- (5) Pull out the ADU unit.



2. Remove the exterior covers A to G in this order. (The exterior cover /F is not used.)



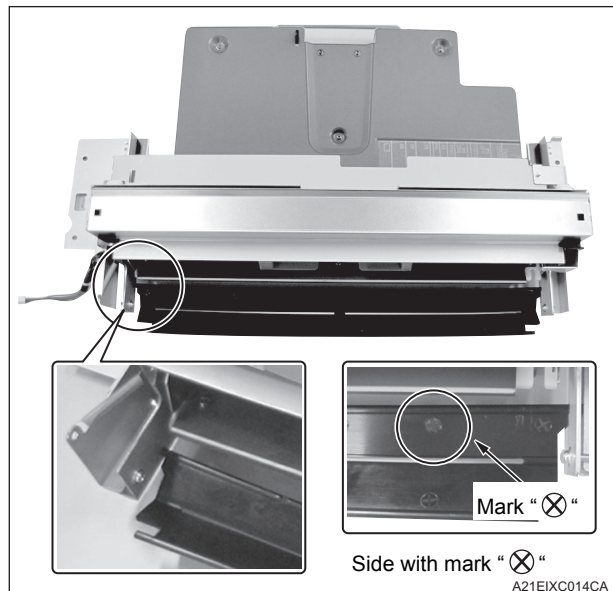
3. Remove the locking tapes from the bypass assembly.



4. Set 2 plastic materials into the holes of the bypass assembly.

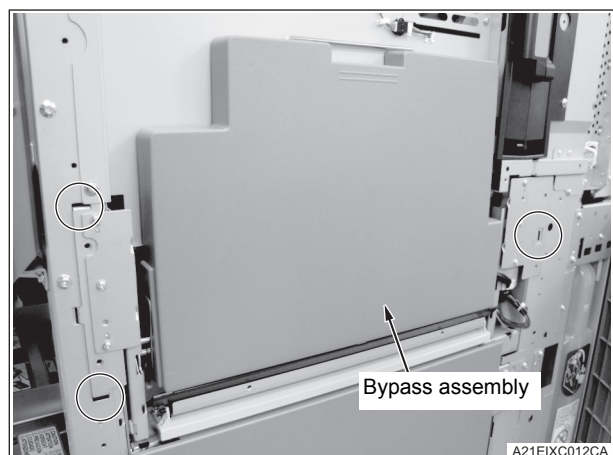
**Note:**

- Be careful for the installation direction.
- Be sure to install it so that the side without the mark "⊗" is hidden.



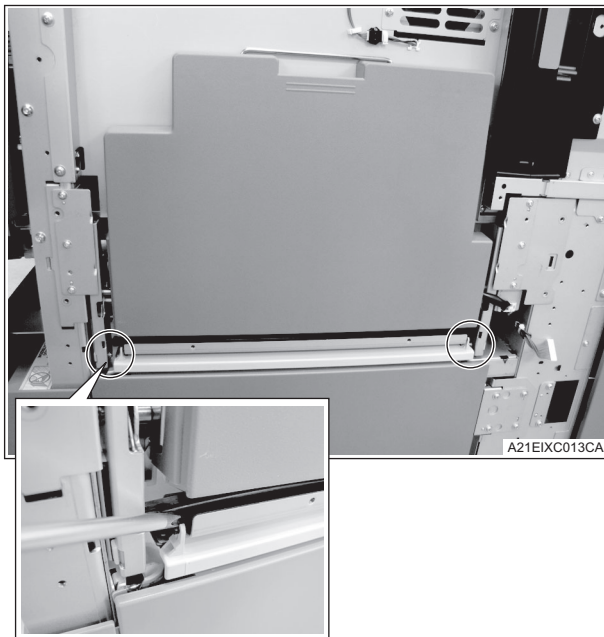
5. Install the bypass assembly.

- (1) Set the bypass assembly to 3 grooves of the main body and install it.

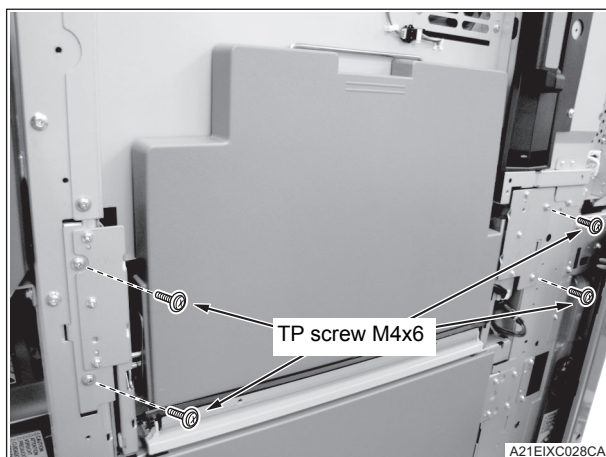




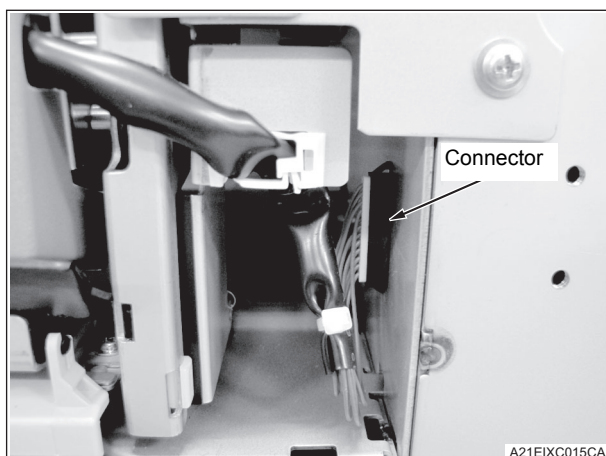
- (2) Set the plastic materials to the grooves. (2 each on right and left)



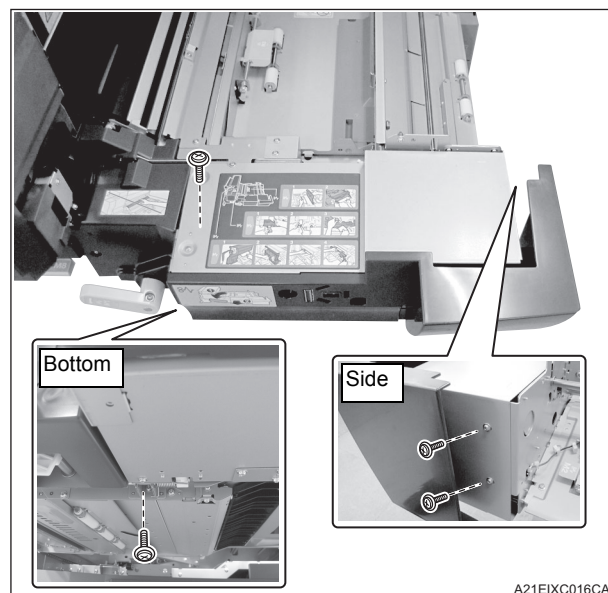
- (3) Fix the bypass assembly with screws. (TP screw M4x6: 4)



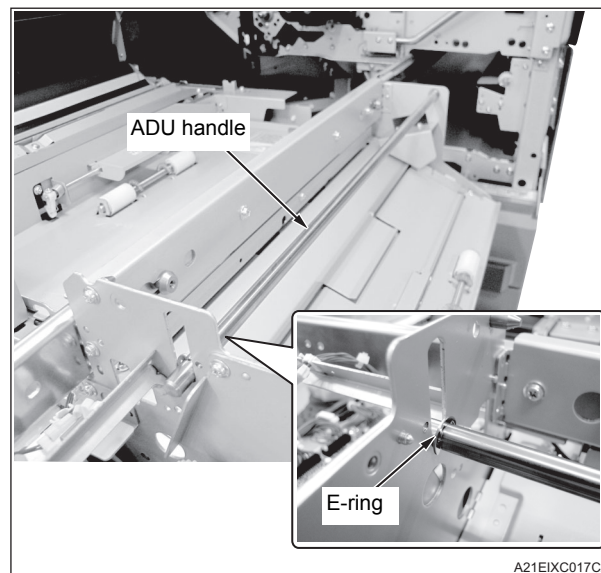
6. Connect the connector.



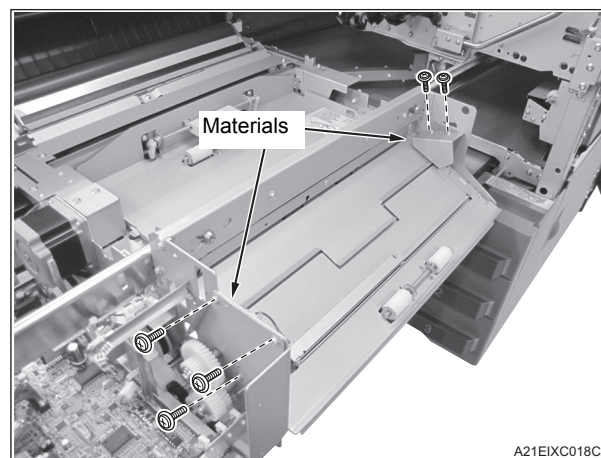
7. Remove the ADU cover. (4 screws)



8. Remove the ADU handle. (1 E-ring)



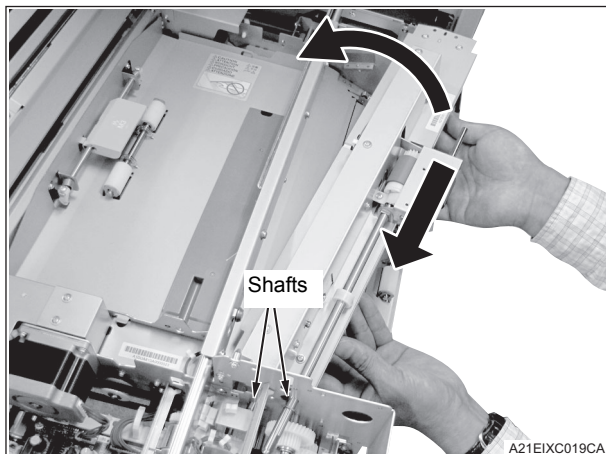
9. Remove the materials.(screws: 3 in front, 2 in rear)(Removed materials are not used.)



10. Set the paper feed assembly.

**Note:**

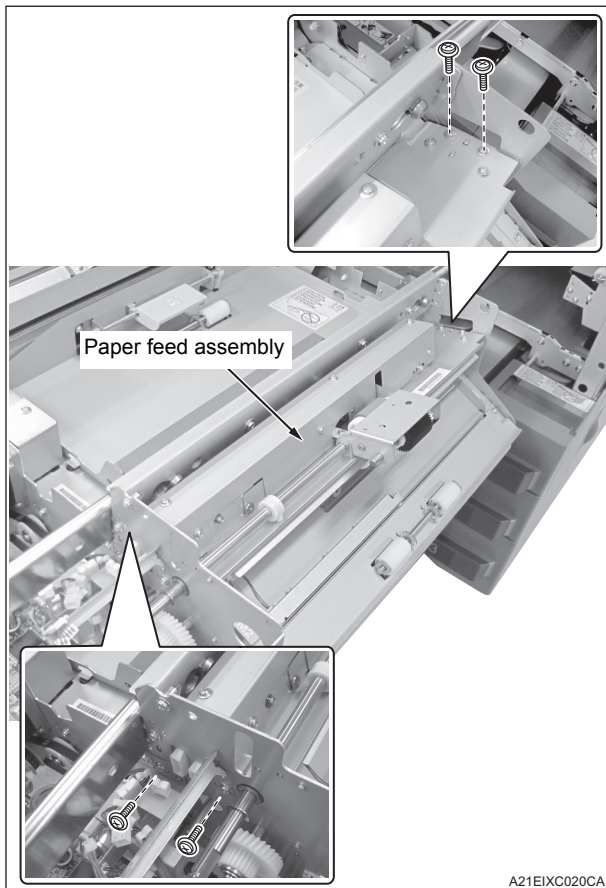
Insert 2 shafts, and then set the assembly in the arrow-marked direction.



11. Install the paper feed assembly. (4 screws: 2 in front, 2 in rear)

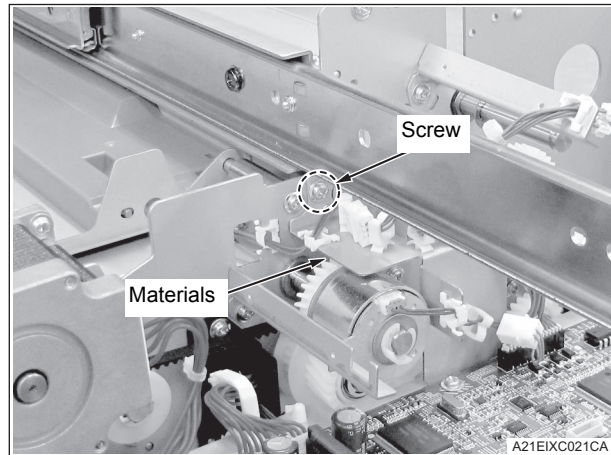
**Note:**

Be sure to use the screws which have been removed from the materials.

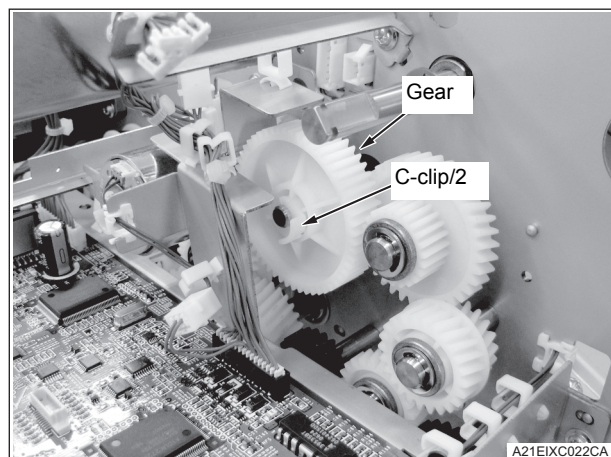


12. Install the gear.

(1) Remove 1 screw shown in the picture. Slide the materials to set the gear smoothly.

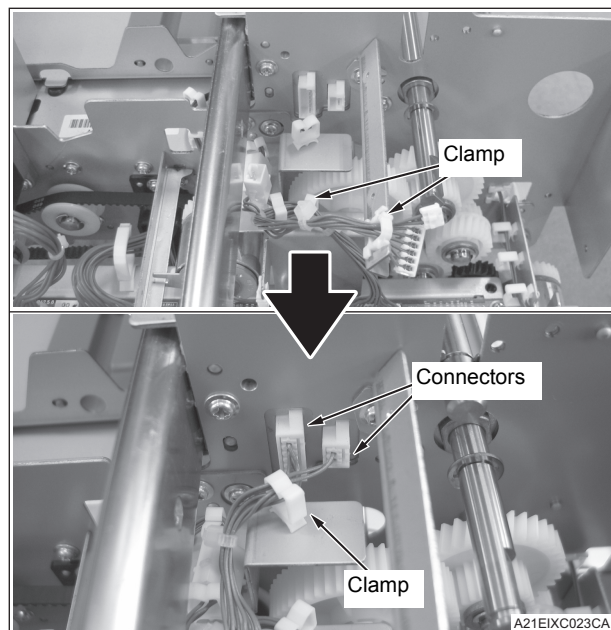


(2) Set the gear and fix it with the C-clip/2.



(3) Reinstall the screw which has been removed in step (1).

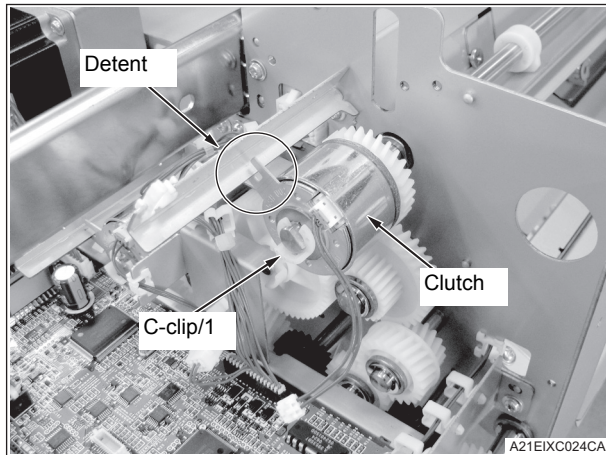
13. Release 2 connectors from the clamp (above), connect them to 2 points and set them in the clamp (below).



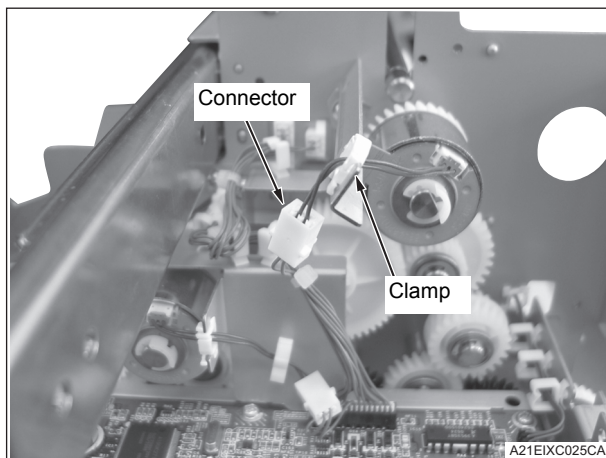


#### 14. Install the clutch.

- (1) Set the clutch to the shaft while aligning it to the detent, and fix it with the C-clip/1.



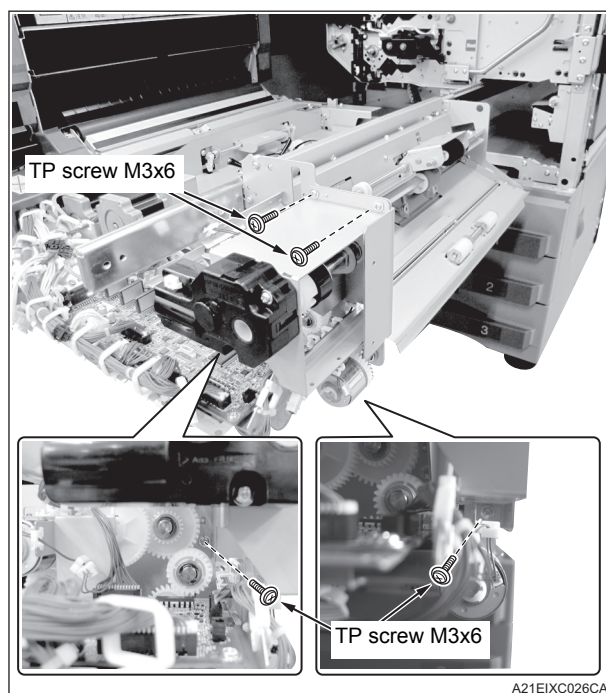
- (2) Connect the connector of the clutch and set it in the clamp.



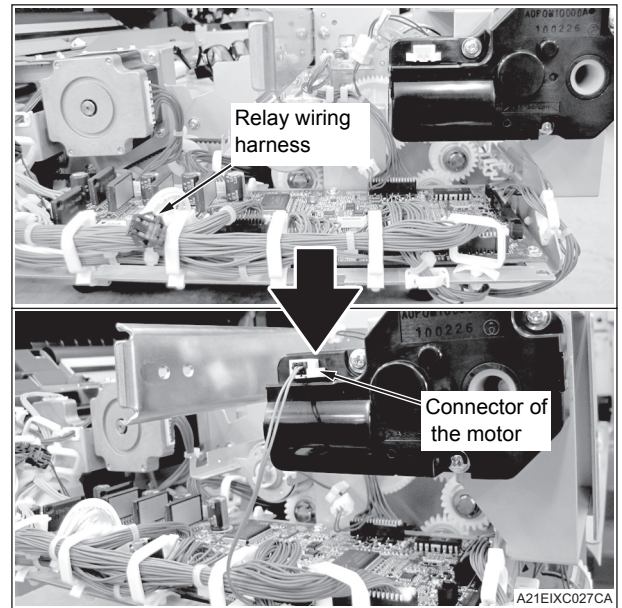
#### 15. Install the motor. (TP screw M3x6: 4)

##### Note:

Be sure to use one of the screws which have been removed from the materials and the other 3 screws which are bundled.



#### 16. Disconnect the relay wiring harness and connect it to the connector of the motor.



#### 17. Install the ADU handle.

##### Note:

Be sure to use the bundled E-ring.

#### 18. Install the ADU cover.

#### 19. Set the ADU.

#### 20. Close the toner supply unit, and tighten the toner supply unit lock screws. (2 screws)

#### 21. Close the front door of the machine.

#### 22. Reinstall the exterior covers G to A in this order. (The exterior cover /F is not used.)

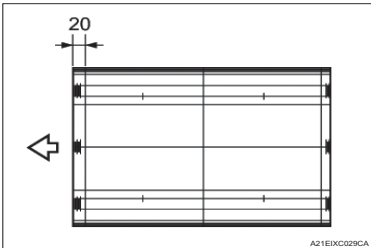
### III. DIPSW Setting

	Step
1.	Turn ON the main power switch of the main body.
2.	Enter Service Mode. <b>Note:</b> Refer to procedures in the Service Manual to enter into the Service Mode.
3.	Touch the "System Setting" key and then touch the "Software DIPSW Setting" key.
4.	Set to DIPSW 36-0: ON (1).

### IV. Confirmation of Paper Output

Output the sample with the multi-bypass to check the restart timing and the centering. When they are not within the standard, conduct each adjustment.

## V.Restart Timing Adjustment

	Step
1.	Enter Service Mode. <b>Note:</b> Refer to procedures in the Service Manual to enter into the Service Mode.
2.	[Service Mode Menu screen] Touch the "Machine Adjustment".
3.	[Machine Adjustment screen] Touch the "Printer Adjustment".
4.	[Printer Adjustment menu screen] Touch the "Restart Timing Adjustment".
5.	[Restart Timing Adjustment screen] Touch the "Restart Timing (Bypass)". Select the A3 or 11 X 17 size tray and touch the "Print Mode" <b>Note:</b> Make the same adjustment for the A4 or 8.5 X 11 size tray.
6.	[PRINT MODE screen] Touch the start button.
7.	Check the image leading edge timing. • Standard value: $20 \pm 0.5\text{mm}$ 
8.	When the value is not within the standard value, press [Exit PrintMode].
9.	[Restart Timing Adjustment screen] Enter a value through the numeric buttons and press [Set]. • -60 (short) to +60 (long) • 1 step = 0.1mm
10.	Repeat steps 5 to 9 until the standard value can be obtained.
11.	Touch the "Return".

## VI.Centering Adjustment

	Step
1.	[Service Mode Menu screen] Touch the "Machine Adjustment".
2.	[Machine Adjustment screen] Touch the "Printer Adjustment".
3.	[Printer Adjustment menu screen] Touch the "Centering Adjustment".
4.	[Centering Adjustment screen] Touch the "Bypass". Select the A3 or 11 X 17 size tray and touch the "Print Mode" <b>Note:</b> Make the same adjustment for the A4 or 8.5 X 11 size tray.
5.	[PRINT MODE screen] Touch the start button.
6.	Fold the printed paper into 2 along the center in the main scan direction, and measure how much the left and right lines misalign from each other. Standard value: within $\pm 1.5\text{mm}$
7.	When the value is not within the standard value, press [Exit PrintMode].
8.	[Centering Adjustment screen] Enter a value through the numeric buttons and press [Set]. Setting range: -40 (image in front) to +40 (image in back) 1 step = 0.1mm
9.	Repeat steps 4 to 8 until the standard value can be obtained.
10.	Touch the "Return" key, and then touch the "Close" key twice.

## VII.Adjustment Data Backup

If the adjustment data of the MB-504 is changed, back up the data to the MB memory board.

	step
1.	Touch the "State Confirmation" key on the service mode menu screen.
2.	Touch the "I/O Check Mode".
3.	Enter "90" using the quantity setting buttons, touch the "High/Low" key, and then enter "10."Make sure that <90-10> appears on the message display.
4.	Press the [Start] key. Make sure that <OUT:FIN> appears on the message display after the adjustment.
5.	Touch the "Return" key, then touch the "Exit" key.