

FD-503 Folding Unit

INSTALLATION MANUAL

Applied Machine: C6501/C6501P/C65hc/C8000/C7000/C7000P/C6000/C70hc/1050/1050P/1200/1200P/1051
 COLOR MFP: 65ppm COLOR PRESS:80/(71ppm/71ppm)/(70ppm/70ppm)/(60ppm/60ppm)
 MFP: 105ppm/120ppm/105ppm-2
 Product Code: A0U0/A0U2/A0Y8/A1RF/A1DU/A204/A1DV/A205/56U*-Z*/565*-7/A0G6/A0GA/A0G9

I. Contents

[COLOR MFP 65ppm series]

[C6501/6501P/C65hc]

- FD-503+COLOR MFP 65ppm series
.....pages 3 to 9.

[MFP 105ppm series]

[1050/1050P]

- FD-503+MFP 105ppm series
.....pages 10 to 15.

[MFP 120(105ppm-2) series]

[1200/1200P/1051]

- FD-503+MFP 105ppm-2 series
.....pages 15 to 19, and 22 to 23.
- FD-503+RU-506+MFP 120ppm (105ppm-2) series
.....pages 19 to 23.

[C8000]

- FD-503+RU-508+EF-101+C8000
.....pages 23 to 26.





[C7000/C7000P/C6000/C75hc]


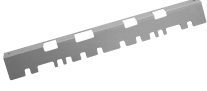









- FD-503+RU-509+C7000/C7000P/C6000/C70hc
.....pages 27 to 30.

II. Confirmation Prior to Installation

- Select a flat and stable place for installing the machine.
- Unit weight: Approx. 125kg
- Make sure to have an adequate number of person for handling or carrying the machine.
- The packaging material should not be reused for repacking.

III. Accessory parts

No.	Name	Shape	Q'ty
1.	Installation plate/1	 15AQIXC001CA	2
2.	Installation plate/2	 15AQIXC002SA	1
3.	Installation plate/3	 15AQIXC003SA	1
4.	Installation plate/4	 15AQIXC004SA	1

No.	Name	Shape	Q'ty
5.	Connector cover	 15BMIXC002SA	1
6.	Attachment guide plate assembly	 15BMIXC003SA	1
7.	Power cord (Europe)		1
	Relay power cord (North America)		1
8.	TP screw (black) M3x6		4
9.	TP screw M4x10		2
10.	TP screw M4x6		8
11.	Folding stacker unit	 15AQIXC002CA	1
12.	Truss screw (black) M4x6		5
13.	Installation manual		1
14.	Top plate/back (105ppm/120ppm/105ppm-2 only)		1

[Case of MFP 105ppm series]

Important

When FD-503 is installed in MFP 105ppm series, be sure to execute;

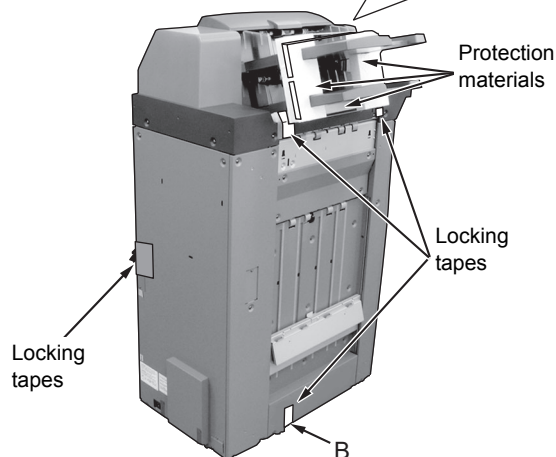
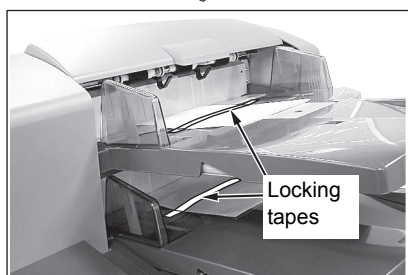
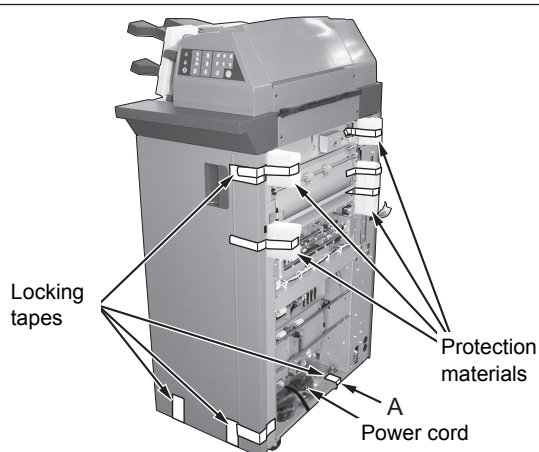
- Setting of DIP SW
- Perform a software update

Note:

The main tray is not bundled. Be sure to prepare it separately.

IV. Preparation Prior to Installation

1. Visually inspect the unit.
2. Remove the external locking tapes and protection materials.



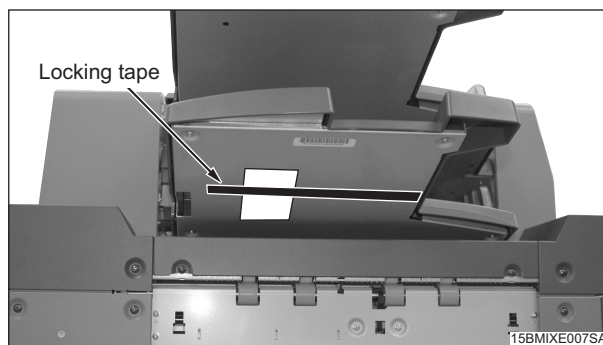
Note:

After removing the locking tapes A and B, move the ratchet of the caster to the back side.

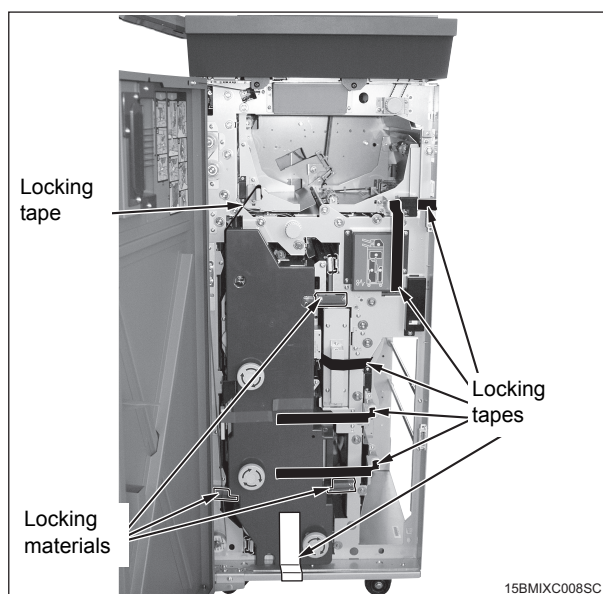
15BMIXC001CB

Note:

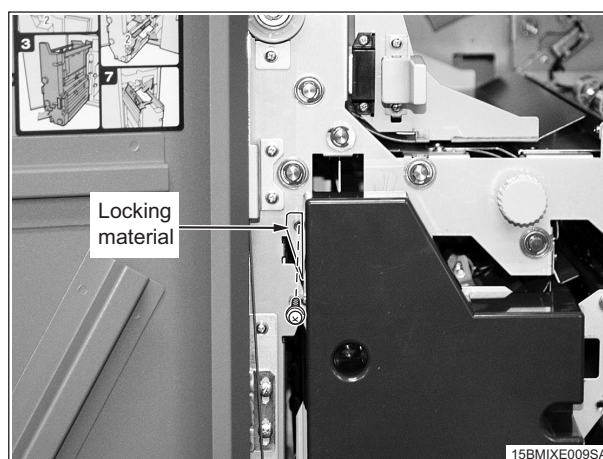
The locking tape shown in the figure below should be removed after other optional units are connected (to prevent damage to the Actuator).



3. Remove each locking tapes.
4. Remove the folding unit locking materials.



5. Remove one folding unit locking screw, and pull out the inside of the folding unit.

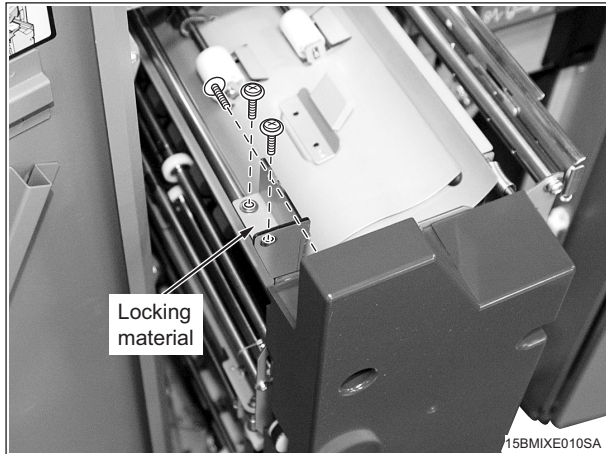


15BMIXE009SA

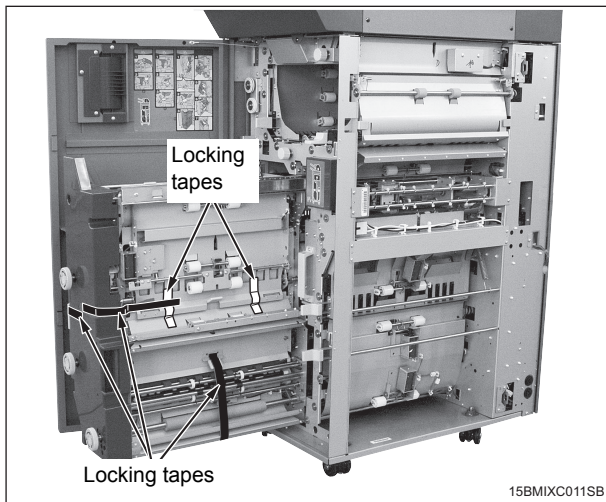
6. Remove the folding unit locking material (3 screws).

Note:

Be careful not to drop the screws into the unit.



7. Remove the locking tapes from inside the folding unit and from the connector.

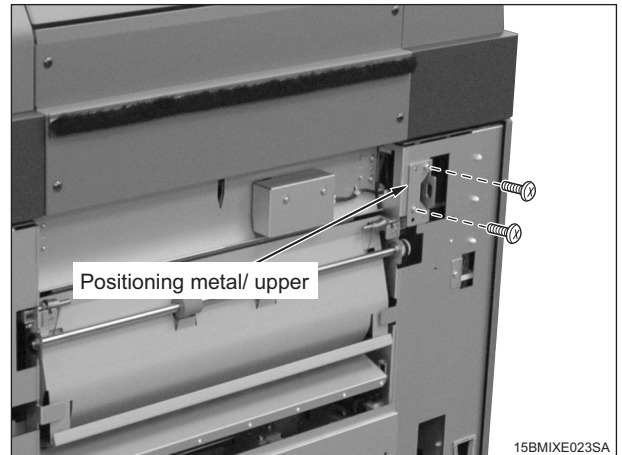


V. Installation Procedure

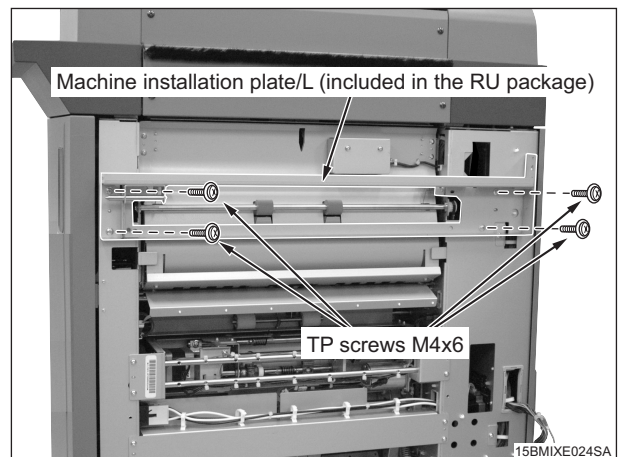
Installation procedure for [FD-503 + RU + COLOR MFP 65ppm series]

* For the installation procedure for the RU, see the RU-504 installation manual.

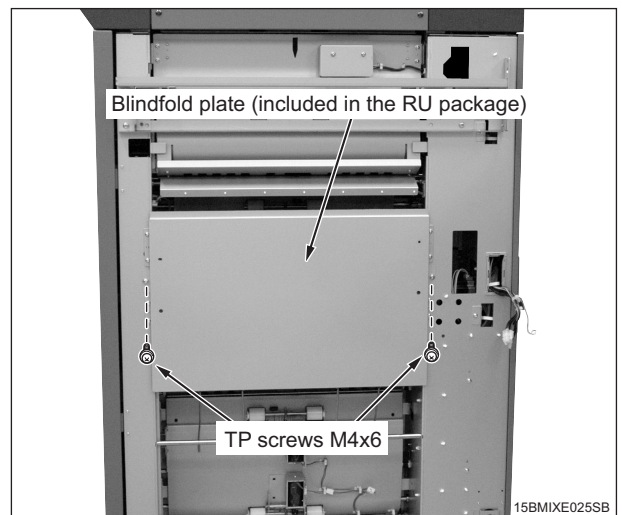
1. Turn OFF the machine's Sub and Main power switches, and unplug the power cord.
2. Remove the positioning metal/ upper of the FD-503. (2 screws)



3. Install the machine installation plate/L (included in the RU package) (TP screw M4x6: 4 pcs.: included with the RU).



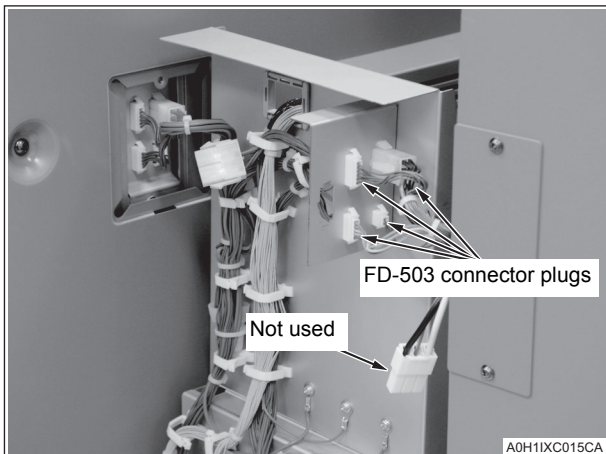
4. Install the blindfold plate (included in the RU package) (TP screw M4x6: 2 pcs.: included with the RU).



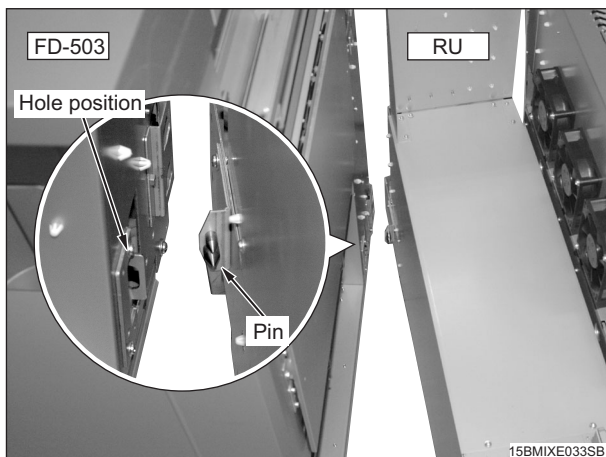
5. Connect the four FD-503 connector plugs to the connector jacks of the power supply unit.

Note:

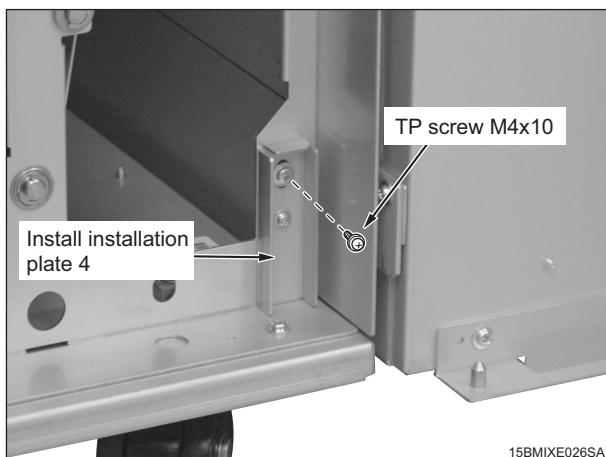
Not used pointed connectors with arrows.



6. Align the bottom hole of the FD-503 with the positioning pin on the power supply unit, and lock them by sliding the FD-503 toward the back.



7. Open the front door of the FD-503, and install installation plate 4. (TP screw M4x10: 1 pc.)



Note:

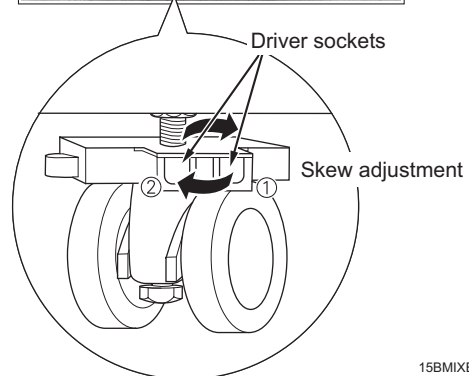
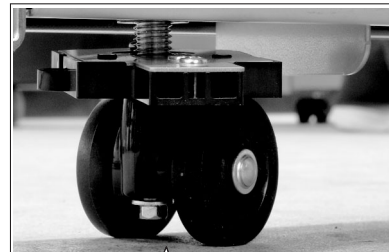
In case those screw holes height do not match to fix the installation plate 4 by screw, adjust the height of FD-503 casters (4 parts) to match those screw holes.

Every caster has ratchet mechanism.

It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

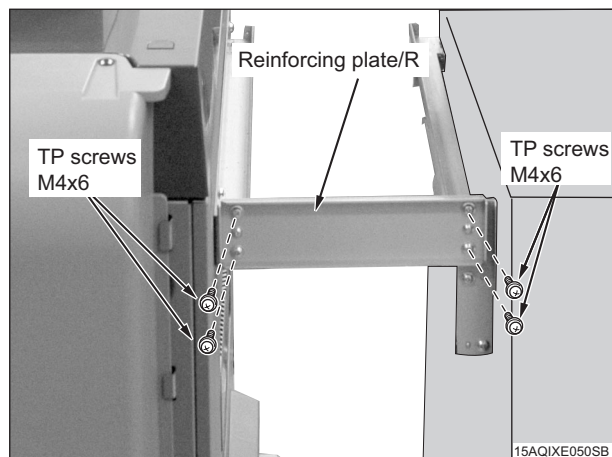
Be sure not to go it up too much, otherwise the bolt would come off. (max. $\pm 5\text{mm}$)

(Be sure the caster is contacting installation surface, otherwise the ratchet will not work.)

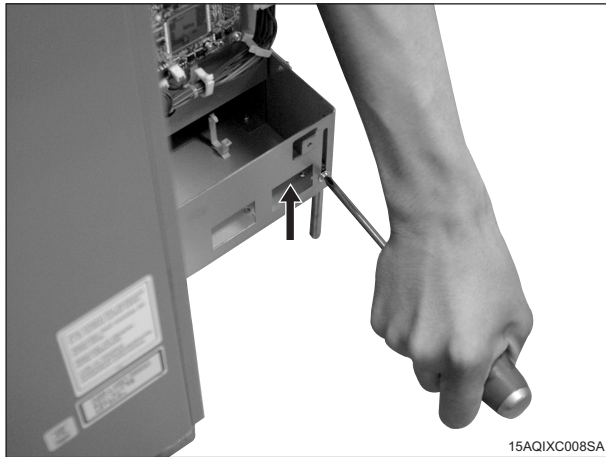


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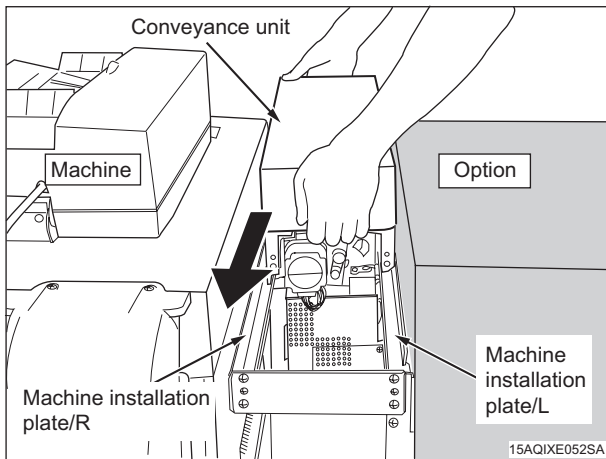
8. Install the reinforcing plate/R (included in the RU package) on the back of machine installation plate/R and machine installation plate/L. (TP screw M4x6: 4 pcs.: included with the RU)



9. Retract the supporting leg on the back side of the power supply unit.



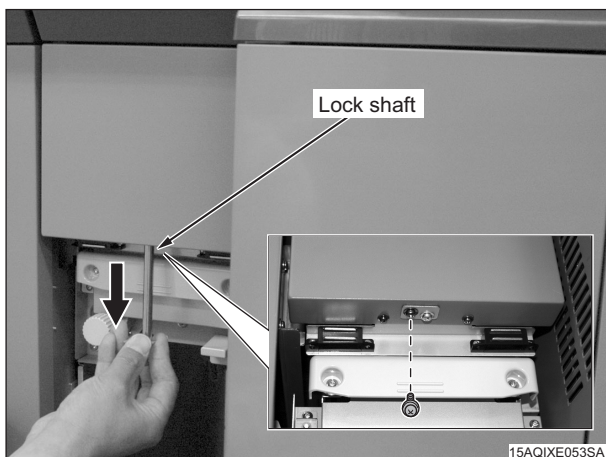
10. Place the conveyance unit on the rail of machine installation plate/R and machine installation plate/L, and slide it all the way in until it stops at the back.



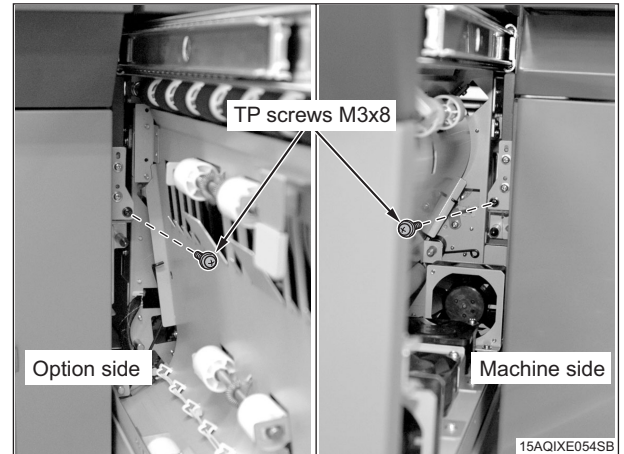
11. Remove the lock shaft of the conveyance unit (1 black screw).

Note:

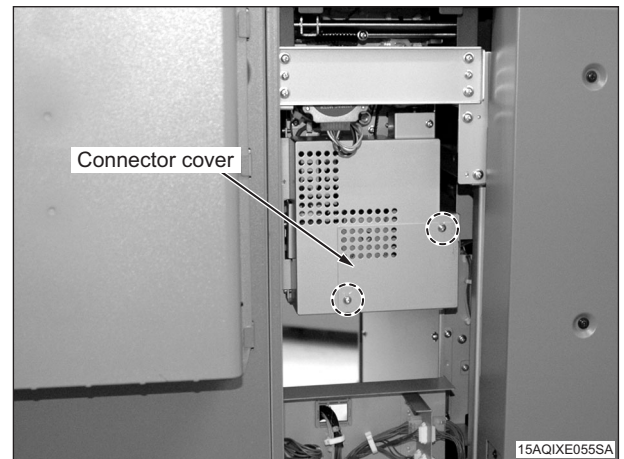
Be sure to store the lock shaft for the use when removing the conveyance unit.



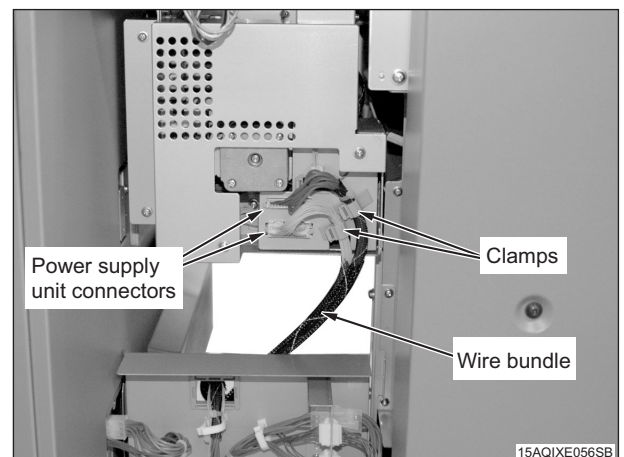
12. Pull out the conveyance unit, secure it with screws (TP screw (black) M3x8: 2pcs.: included with the RU), and push it back.



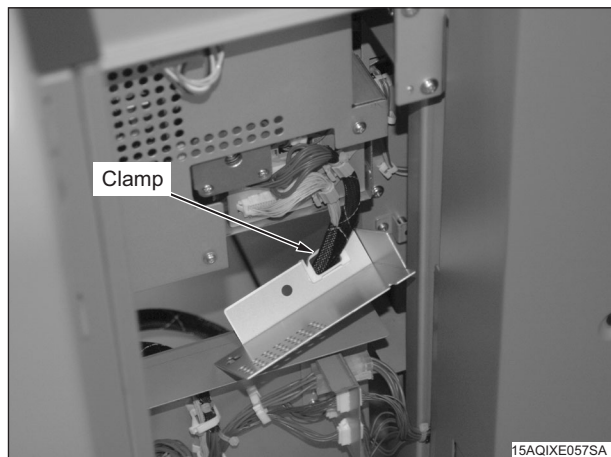
13. Loosen two screws, and remove the connector cover on the back side of the RU conveyance segment.



14. Connect two connector plugs of the power supply unit to the connector plugs of the conveyance segment, and secure the wire bundle with two clamps as shown in the figure.



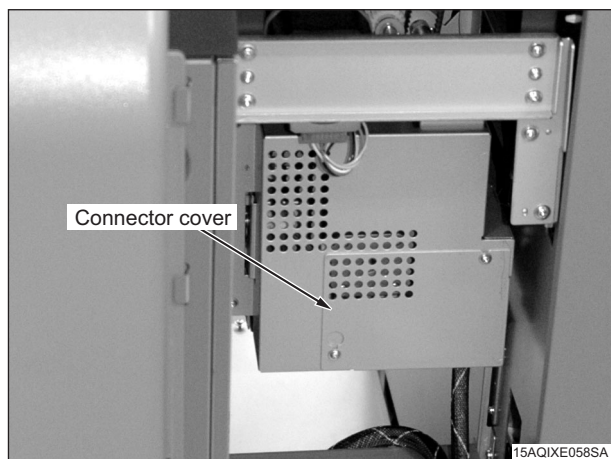
15. Secure the bundled connectors of the power supply unit with the clamp on the connector cover.



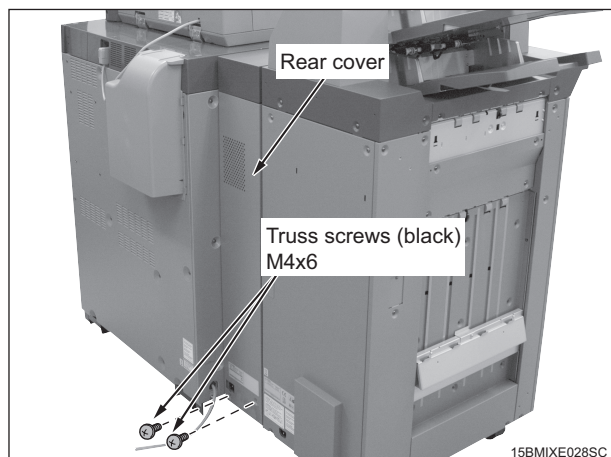
16. Install the connector cover on the RU conveyance segment.

Note:

Fit the wire bundle in the RU machine so that it will not get hooked when the conveyance segment is pulled out.

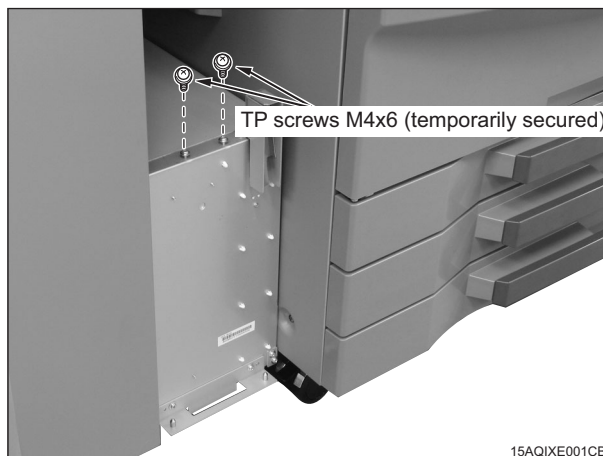


17. Install the rear cover (included with the RU) (Truss screw (black) M4x6: 2 pcs.: included with the RU).

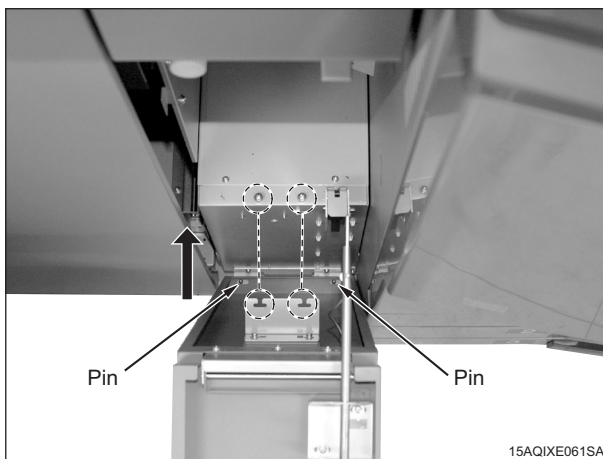


18. Install the front cover (included with the RU).

- (1) Temporarily place two screws in the front of the power supply unit (TP screw M4x6: 2 pcs.: included with the RU).

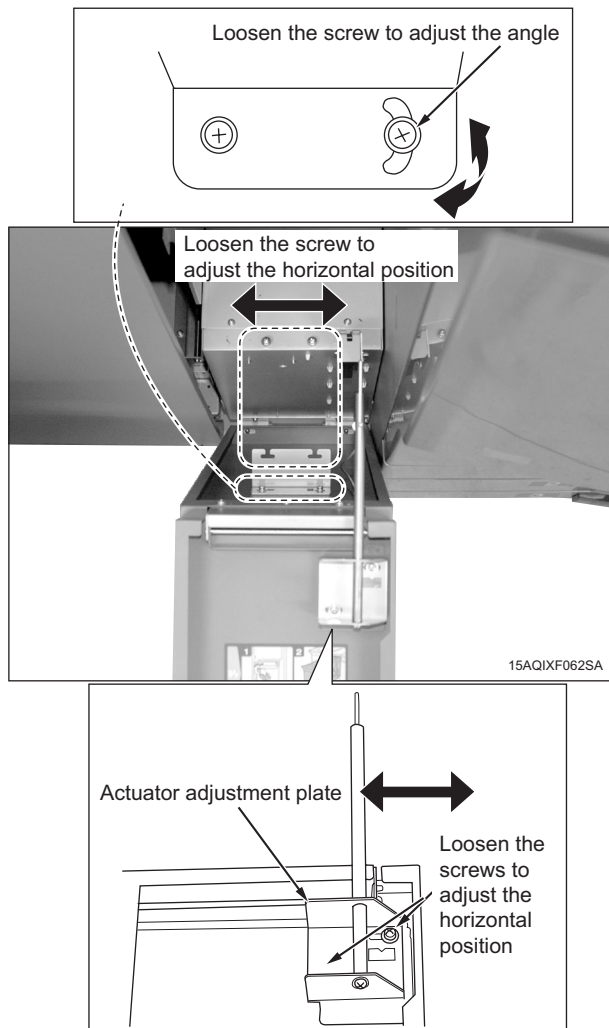


- (2) Align the bottom holes of the front cover with the pins of the power supply unit, and use the temporarily placed screws to secure it.



Note:

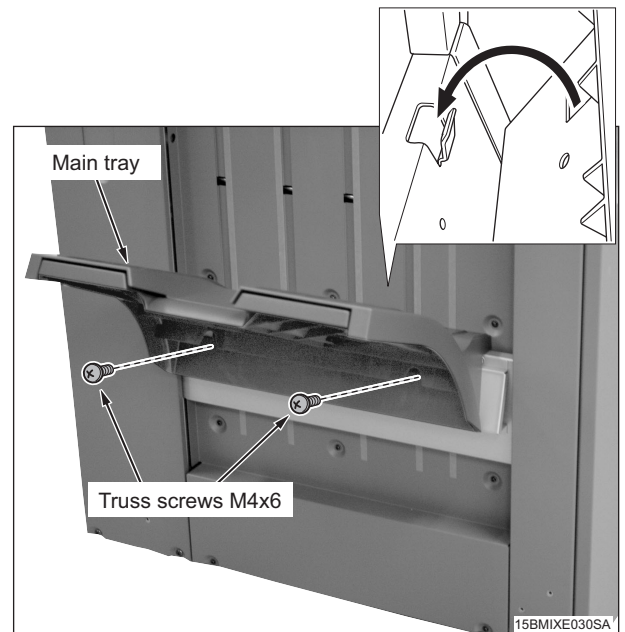
If the front cover does not close because it touches the machine or optional unit, adjust the horizontal position or angle of the front cover. If the actuator does not turn the interlock switch ON, adjust the position of the actuator adjustment plate as well.

**[If not installing other optional units on the FD-503]**

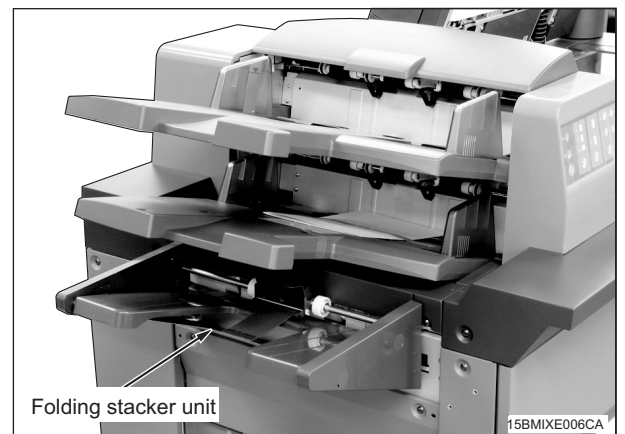
19. Install the main tray and the folding stacker unit.
- (1) Install the main tray on the main tray up-down portion on the FD-503. (Truss screw M4x6: 2 pcs.)

Note:

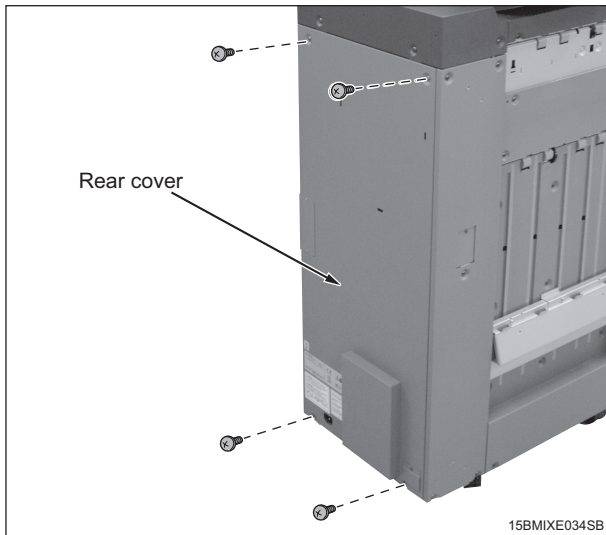
- **Be sure to prepare the main tray separately.**
- When installing the main tray, hook the main tray guide holes to the four auxiliary metal hooks and secure the tray.



- (2) Install the folding stacker unit to the position shown in the picture.



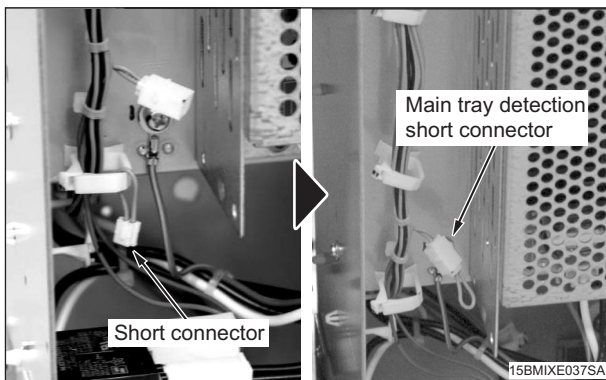
(3) Remove the rear cover of the FD-503. (4 screws)



- (4) Install the main tray detection short connector.
- Remove the short connector from the clamp.
 - Connect the short connector to the main tray detection connector.

Note:

Unless the short connector is connected, the main tray will not work.

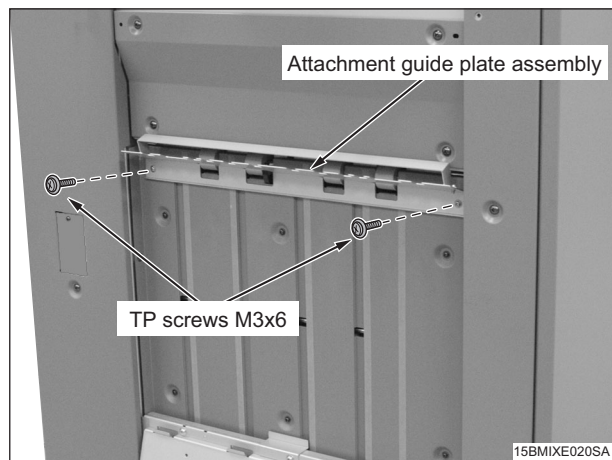


(5) Reinstall the rear cover of the FD-503. (4 screws)

[If installing other optional units on the FD-503]

19. Install the attachment guide plate assembly and the folding stacker unit.

- (1) Install the attachment guide plate assembly to the exit portion of the FD-503. (TP screw M3x6: 2 pcs.)

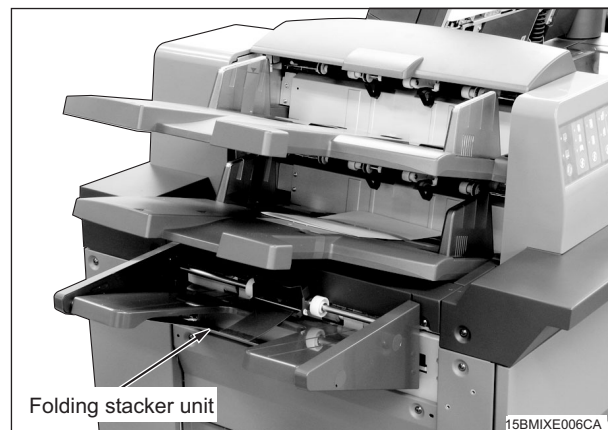


- (2) Install the folding stacker unit of FD-503 to the position shown in the picture.

All the other options have to be placed before that.

Note:

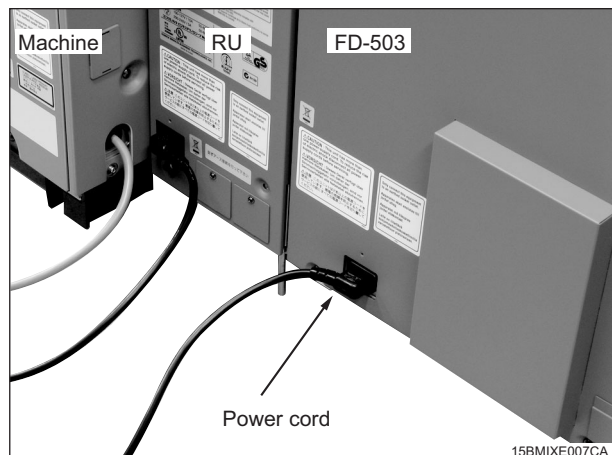
Not available for the combination with PB.



20. Plug in the power cord.

- (1) Remove the power cord cover of FD-503. (1 screw)

- (2) Connect the power cord to FD-503 and plug it into the outlet.



[Note of RU-504]

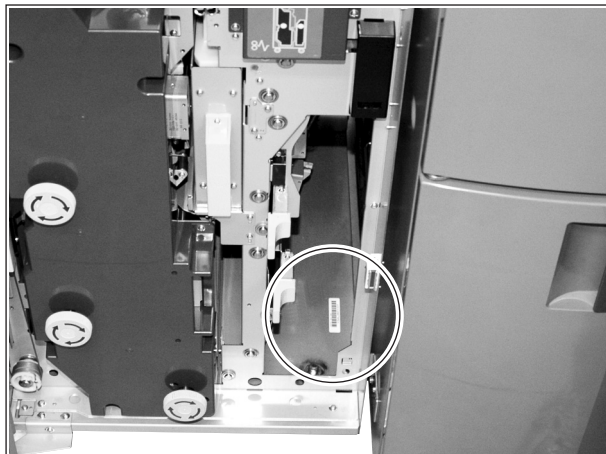
To RU-504, connect the power cord included in the machine package and plug it into the outlet.

- For U.S. spec machine:
Between RU and FD, a relay power cord will enable power supply from RU-504 to FD-503.
- For European spec machine:
To FD-503, connect the power cord included in the FD-503 and plug it into the outlet.

VI. Serial Number Registration

Register the serial number of the FD-503 that has been installed to the main body.

The location of the serial number is shown in the figure below.



	Step
1.	Plug the power cord into the outlet and turn ON the Main power switch.
2.	Enter Service mode. Note: Refer to procedures in the Service Manual to enter into the Service Mode.
3.	[Service Mode Menu screen] Touch "System Setting".
4.	[System Setting Menu screen] Touch "M/C Series Number Setting".
5.	Touch "Finisher 1" to display the Serial number entry screen.
6.	Enter the serial number of the FD-503 and touch the "OK" key. (Use the "Shift" key to switch between upper case letters and lower case letters.)
7.	Touch "Return" on the serial number list screen.

VII. Importing Adjustment Data

Import the factory adjustment data of the FD-503 to the machine memory.

If a FD-503 and other optional units are connected, they can recover the standard data at the same time.

	Step
1.	On the Service mode menu screen, touch "Finisher Adjustment".
2.	[Finisher Adjustment Menu screen] Touch "Recall Standard Data".
3.	Touch "Factory Initial Data" on the recall standard data screen.

VIII. Confirmation of Paper Output

Output paper in all folding modes and punch mode to check paper folding and punch accuracy. If the results are not within the standard values, adjust the settings.

See the Field Service section of the Service Manual for adjustment method.

IX. Adjustment Data Backup

If the adjustment data of the FD-503 is changed, back up the main body's FD-503 data to the FD-503 memory board.

If a FD-503 and other optional units are connected, the data will be backed up at the same time.

	Step
1.	On the Service mode menu screen, touch the "State Confirmation".
2.	Touch the "I/O Check Mode".
3.	Enter "9" and "0" using the quantity setting buttons. Make sure that <90-00> appears on the message display.
4.	Press the [Start] key. Backup procedure will start.

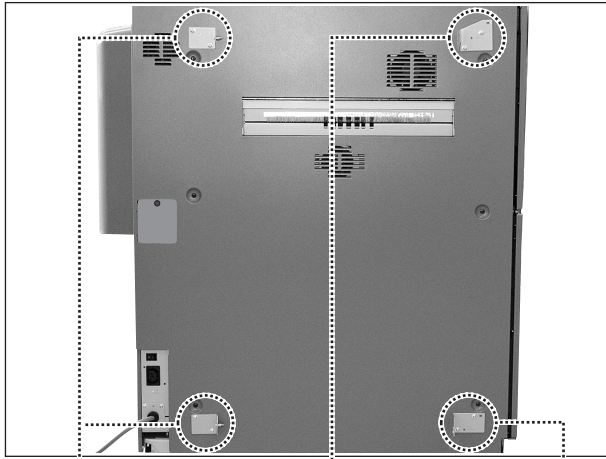
X. Installation Procedure

Installation procedure for [FD-503 + MFP 105ppm series]

1. Turn the machine's Sub and Main switches OFF, and unplug the power cord.
2. Install the Installation plate/1 (2 places), the Installation plate/2, and the Installation plate/3 on the left side of the machine as below. (TP screw M4x6: 8 pcs.)

Note:

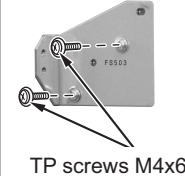
For the Installation plate/2 and the Installation plate/3, use the screw holes without the engraved marking "FS503."



Installation plate 1



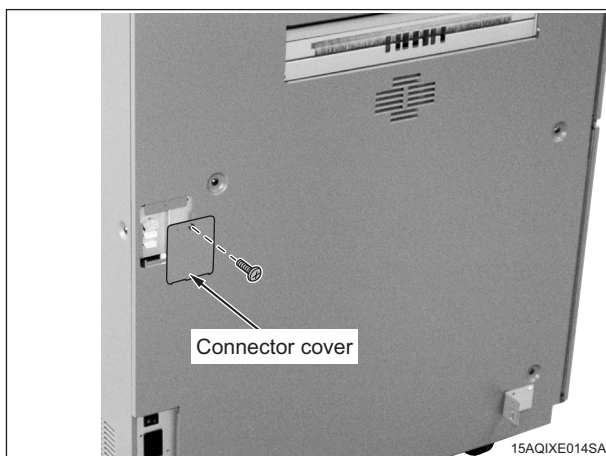
Installation plate 2



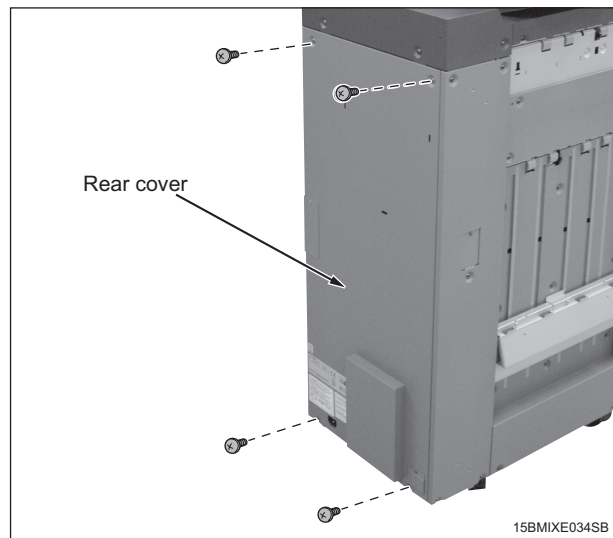
Installation plate 3



3. Remove the connector plug cover on the left side of the machine (1 screw).



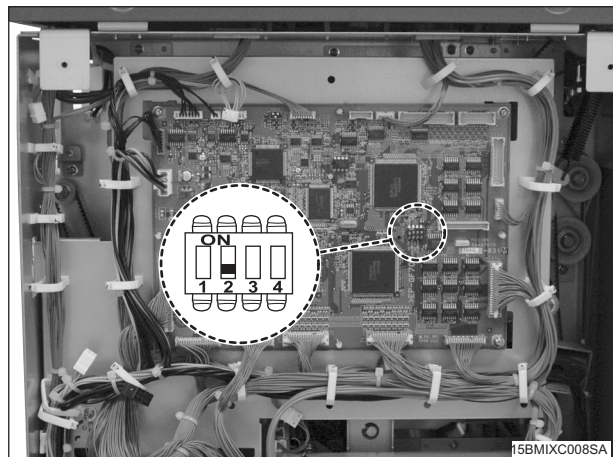
4. Remove the rear cover of the FD-503. (4 screws)



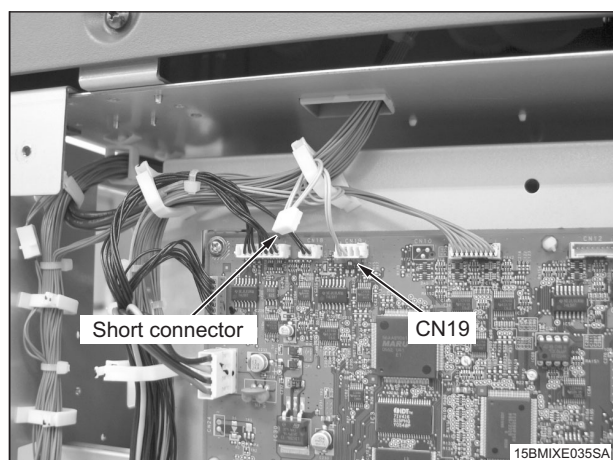
5. Turn OFF DIP SW2.

Note:

- This procedure is required because by default it is set for a COLOR MFP 65ppm series. (Factory default of SW2: ON)
- Do not change other switches.



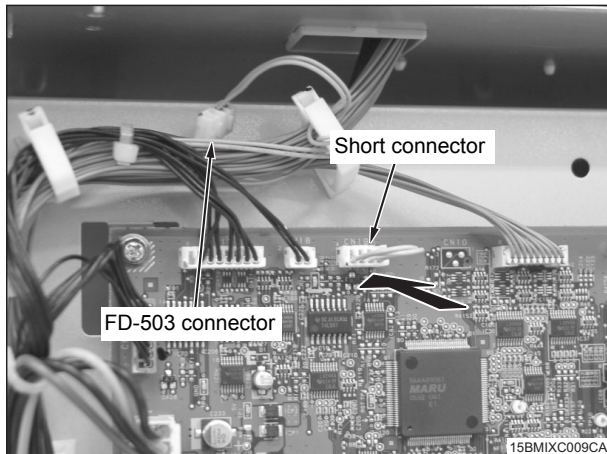
6. Remove the CN-19 connector from the control board as shown in the figure below.
7. Remove the short connector from the clamp.



8. Connect the short connector to the CN-19.

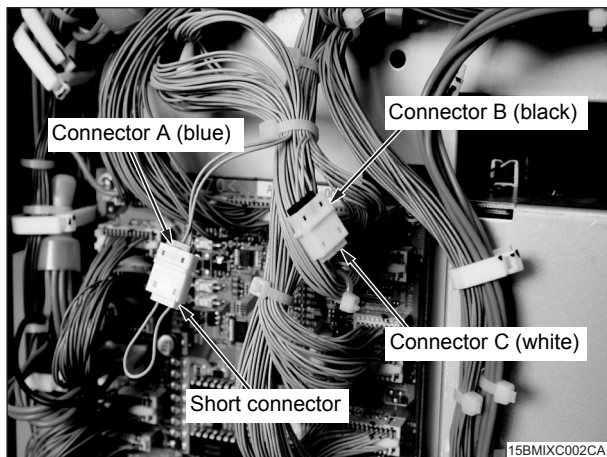
Note:

Unless the short connector is connected, the ISW cannot be performed.

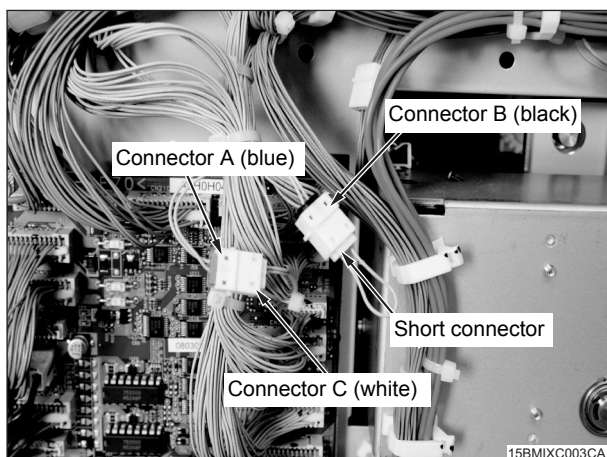


9. Change the connection of connectors.

- (1) Disconnect the short connector from the connector A (blue).
- (2) Disconnect the connector C (white) from the connector B (black).



- (3) Connect the short connector to the connector B (black).
- (4) Connect the connector C (white) to the connector A (blue).



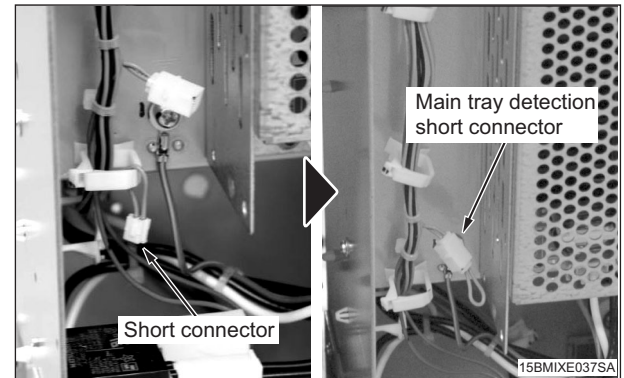
[If not installing other optional units on the FD-503]

10. Installing trays.

- (1) Install the main tray detection short connector.
 - Remove the short connector from the clamp.
 - Connect the short connector to the main tray detection connector.

Note:

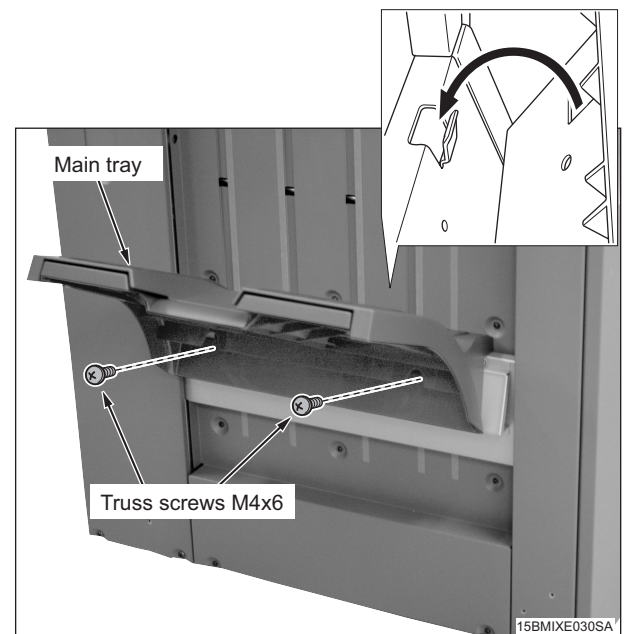
Unless the short connector is connected, the main tray will not work.



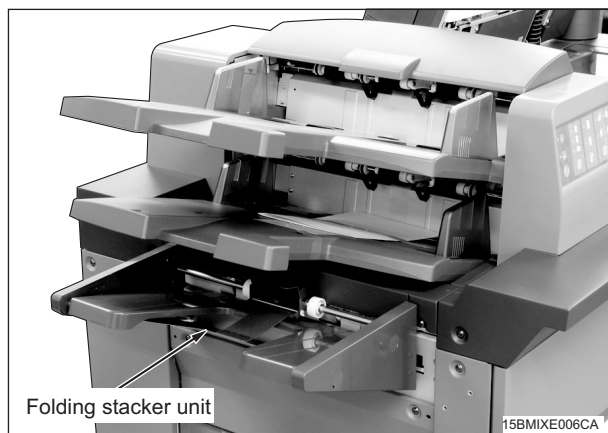
- (2) Reinstall the rear cover of the FD-503. (4 screws)
- (3) Install the main tray on the main tray up-down portion on the FD-503. (Truss screw M4x6: 2 pcs.)

Note:

- **Be sure to prepare the main tray separately.**
- When installing the main tray, hook the main tray guide holes to the four auxiliary metal hooks and secure the tray.



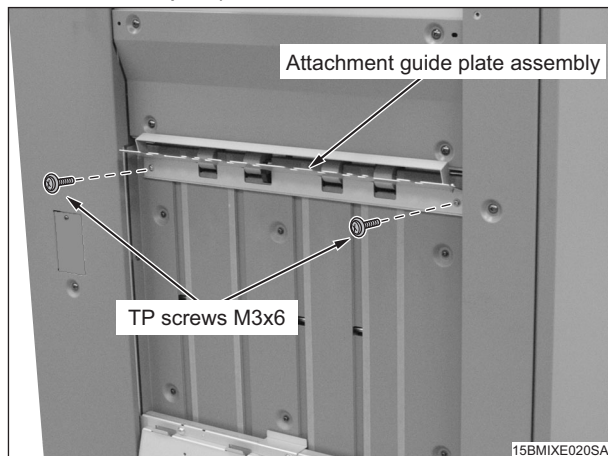
- (4) Install the folding stacker unit to the position shown in the picture.



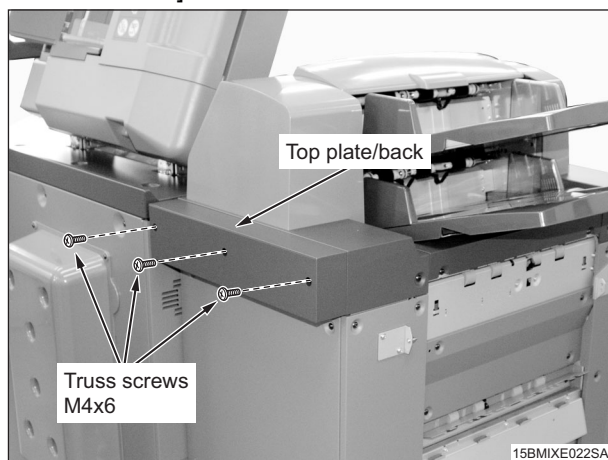
[If installing other optional units on the FD-503]

10. Install each part.

- (1) Install the rear cover of the FD-503. (4 screws)
- (2) Install the attachment guide plate assembly to the exit portion of the FD-503. (TP screw M3x6: 2 pcs.)

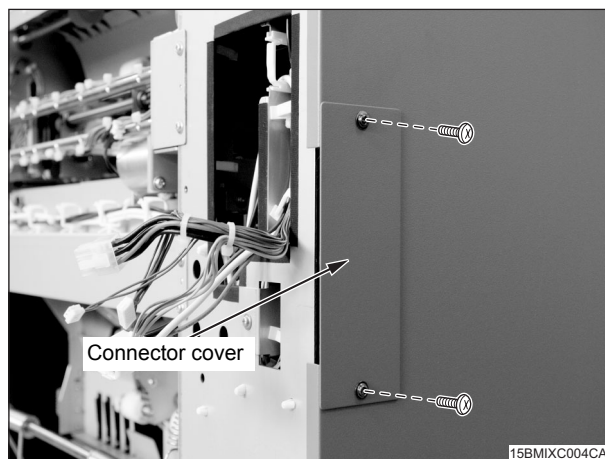


- (3) Install the top plate/back. (truss screw M4 x 6: 3 pcs.) [Use the plate only when installing the SD-506.]



11. Arrange the FD-503 connectors.

- (1) Remove the connector cover on the back of the FD-503.

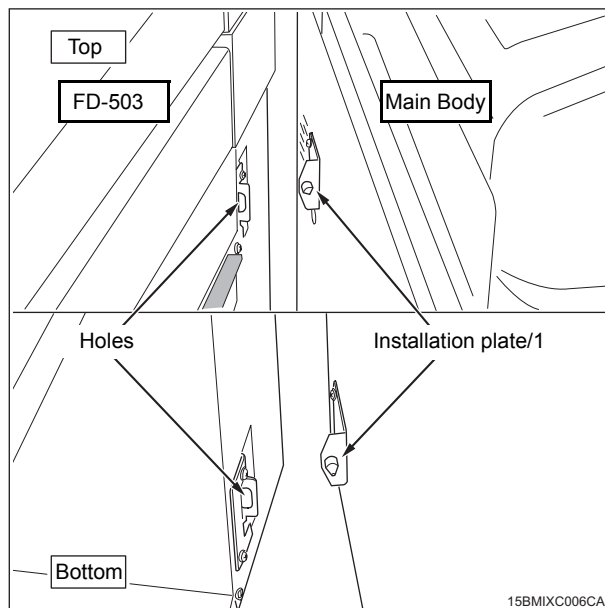


- (2) Pull out each connector toward to the back side.

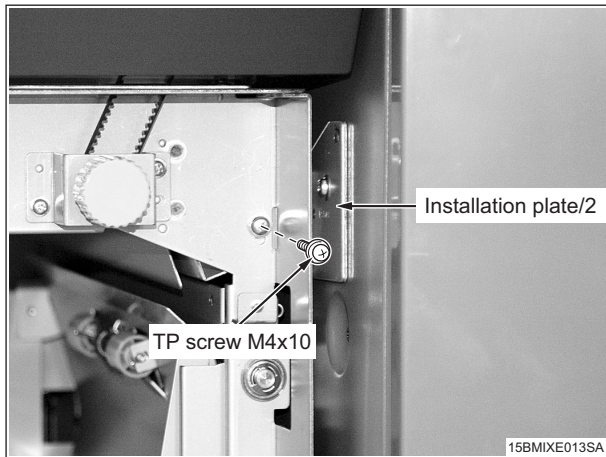


12. Install the FD-503 to the machine.

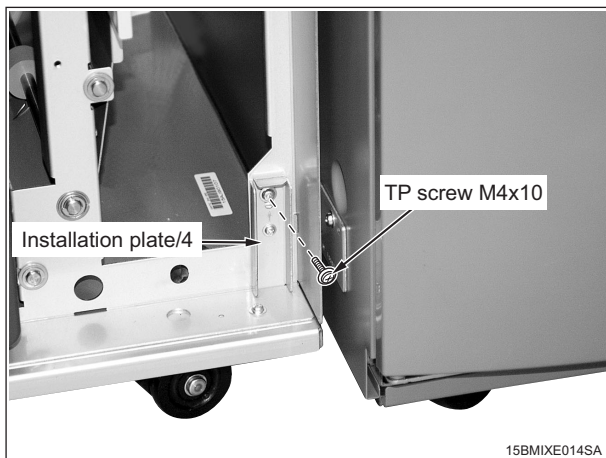
- (1) Align the top and bottom holes of the FD-503 to the Installation plate/1 pins, and lock them by sliding the FD-503 to the back.



- (2) Secure the FD-503 onto the Installation plate/2 with a screw. (TP screw M4x10: 1 pc.)



- (3) Install the Installation plate/4. (TP screw M4x10: 1 pc.)



Note:

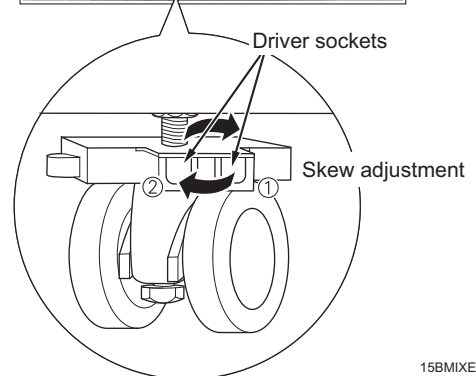
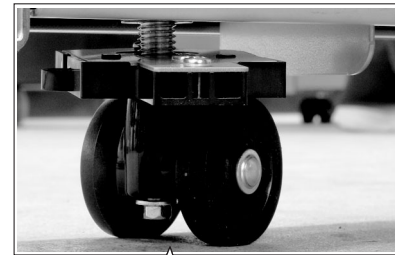
In case those screw holes height do not match to fix the installation plate 2 and the installation plate 4 by screw, adjust the height of FD-503 casters (4 parts) to match those screw holes.

Every caster has ratchet mechanism.

It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

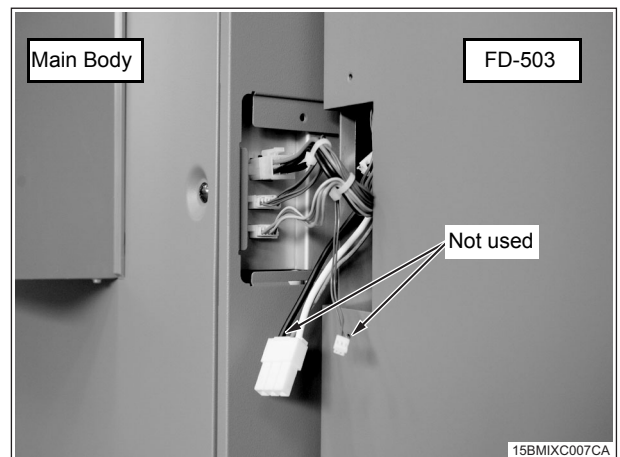
Be sure not to go it up too much, otherwise the bolt would come off. (max. $\pm 5\text{mm}$)

(Be sure the caster is contacting installation surface, otherwise the ratchet will not work.)

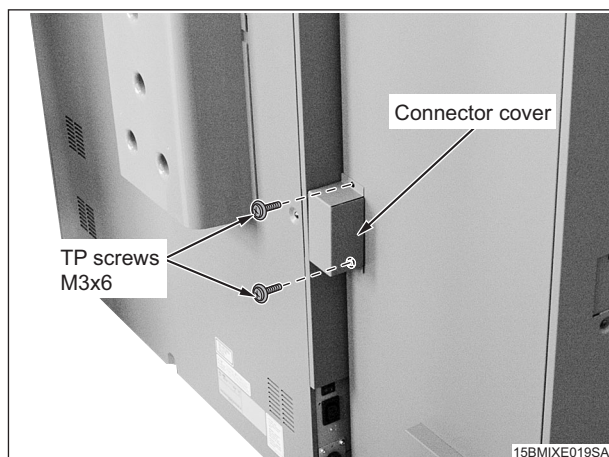


15BMIXE005CB

- (4) Connect the three connector jacks of the FD-503 to the connector plugs on the machine.



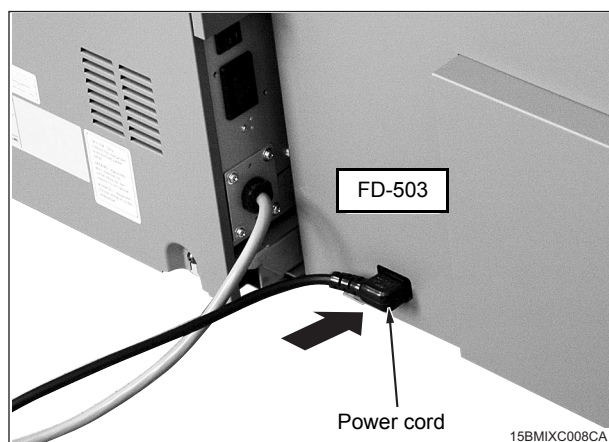
- (5) Install the Connector cover included in the package. (TP screw M3x6: 2 pcs.)



13. Plug in the power cord included in the package.

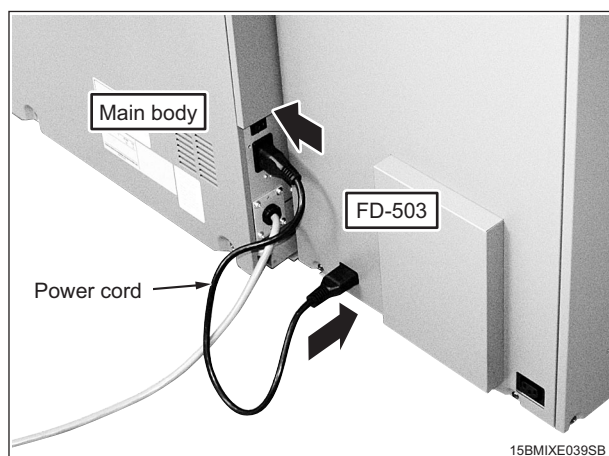
[Europe]

- (1) Remove the power cord cover of FD-503. (1 screw)
- (2) Connect the power cord to the FD-503, and plug it into the outlet.



[North America]

Connect the power cord to the machine and the FD-503.



14. Perform a software update (ISW: Ver 70.0000 or later).

For ISW procedures, see the service manual.

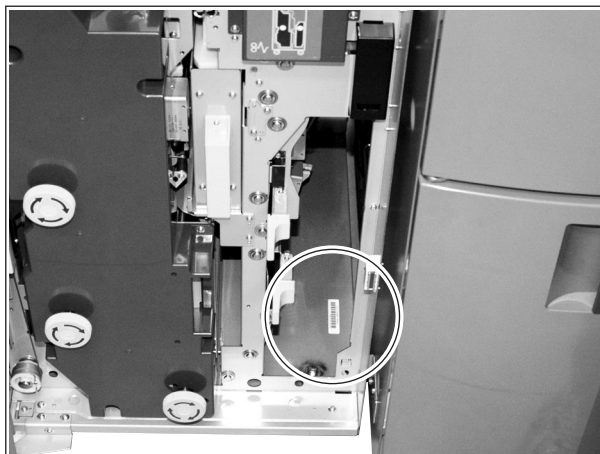
Note:

The software is designed for the **COLOR MFP 65ppm series**, so be sure to run it.

XI. Serial Number Registration

Register the serial number of the FD-503 that has been installed to the main body.

The location of the serial number is shown in the figure below.



[For the MFP 105ppm series]

	Step
1.	Plug the power cord into the outlet and turn ON the Main power switch.
2.	Enter Service mode. Note: Refer to procedures in the Service Manual to enter into the Service Mode.
3.	Touch "System Setting" to display sub menus.
4.	Touch "M/C Serial Number Setting" from the system setting sub menus.
5.	Touch "Finisher 1" to display the Serial number entry screen.
6.	Enter the serial number of the FD-503 and touch the "OK" key. (Use the "Shift" key to switch between upper case letters and lower case letters.)
7.	Touch "OK" on the serial number list screen.

XII. Importing Adjustment Data

Import the factory adjustment data of the FD-503 to the machine memory.

If a FD-503 and other optional units are connected, they can recover the standard data at the same time.

	Step
1.	On the Service mode menu screen, touch "Finisher Adjustment".
2.	[Finisher Adjustment Menu screen] Touch "Recall Standard Data".
3.	Touch "Factory Initial Data" on the recall standard data screen.

XIII. Confirmation of Paper Output

Output paper in all folding modes and punch mode to check paper folding and punch accuracy. If the results are not within the standard values, adjust the settings.

See the Field Service section of the Service Manual for adjustment method.

XIV. Adjustment Data Backup

If the adjustment data of the FD-503 is changed, back up the main body's FD-503 data to the FD-503 memory board.

If a FD-503 and other optional units are connected, the data will be backed up at the same time.

	Step
1.	On the Service mode menu screen, touch the "Machine Condition .
2.	Touch the "I/O Check.
3.	Enter "9" and "0" using the quantity setting buttons. Make sure that <090-00> appears on the message display.
4.	Press the [Start] key. Backup procedure will start.

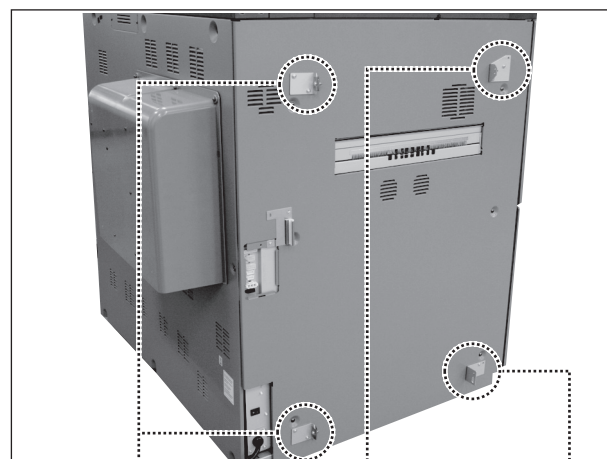
XV. Installation Procedure

Installation procedure for [FD-503 + MFP 105ppm-2]

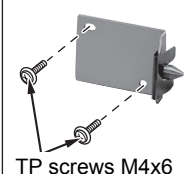
1. Turn the machine's Sub and Main switches OFF, and unplug the power cord.
2. Install the Installation plate/1 (2 places), the Installation plate/2, and the Installation plate/3 on the left side of the machine as below. (TP screw M4x6: 8 pcs.)

Note:

For the Installation plate/2 and the Installation plate/3, use the screw holes without the engraved marking "FS503."

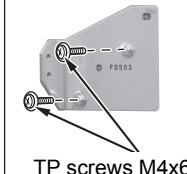


Installation plate/1



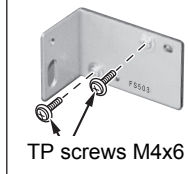
TP screws M4x6

Installation plate/2



TP screws M4x6

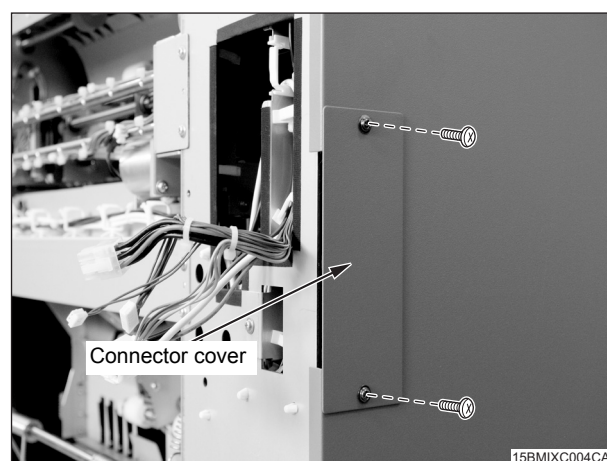
Installation plate/3



TP screws M4x6

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3. Arrange the FD-503 connectors.
(1) Remove the connector cover on the back of the FD-503.

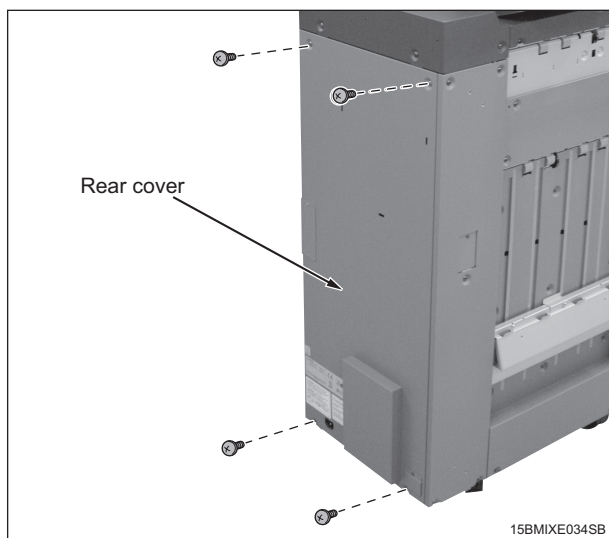


15BMIXC004CA

- (2) Pull out each connector toward to the back side.

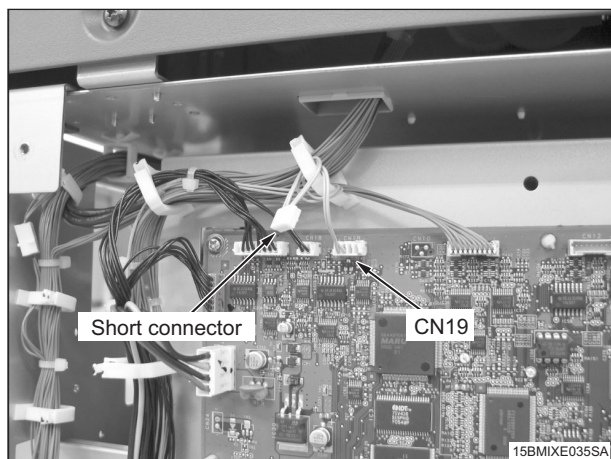


4. Remove the rear cover of the FD-503. (4 screws)



5. Remove the CN-19 connector from the control board as shown in the figure below.

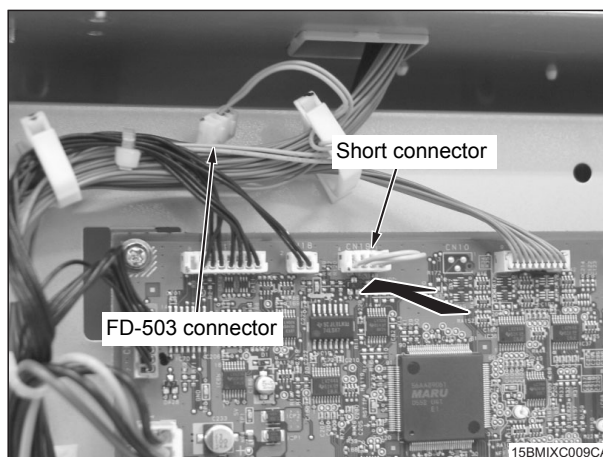
6. Remove the short connector from the clamp.



7. Connect the short connector to the CN-19.

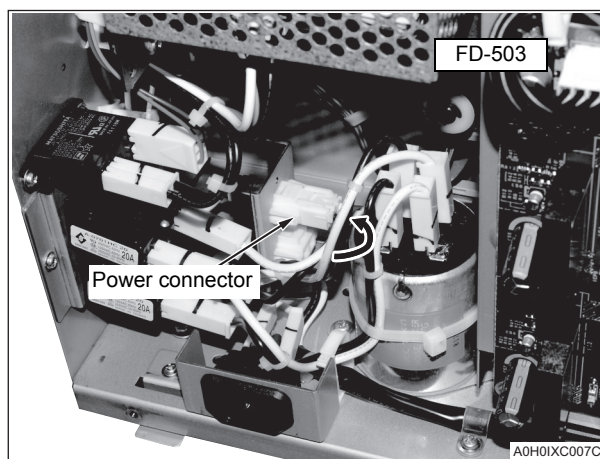
Note:

Unless the short connector is connected, the ISW cannot be performed.

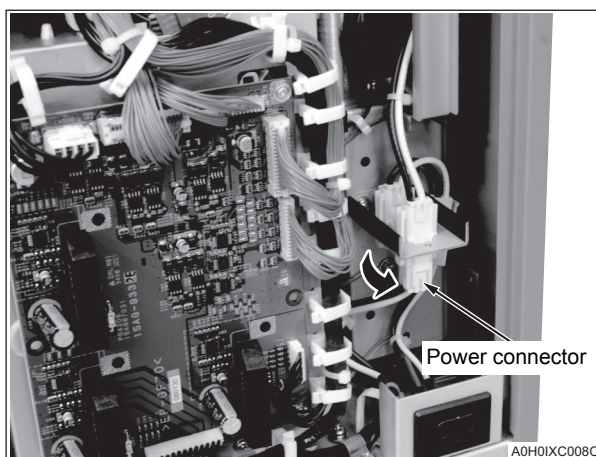


8. Change the connection of the power connector.

- (1) Shift the position of the power connector from the lower to the upper.



- (2) If the other options except for PB or FS are connected after FD-503, shift the position of the power connector from the rear to the front.



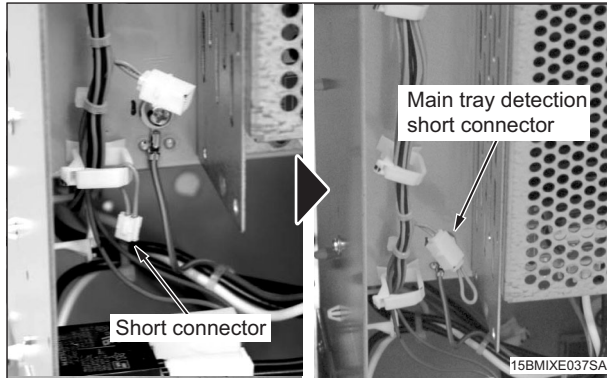
[If not installing other optional units on the FD-503]

9. Installing trays.

- (1) Install the main tray detection short connector.
 - Remove the short connector from the clamp.
 - Connect the short connector to the main tray detection connector.

Note:

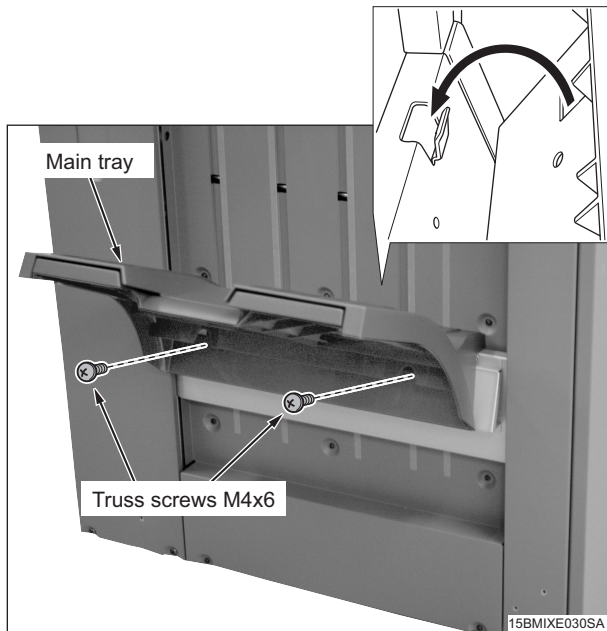
Unless the short connector is connected, the main tray will not work.



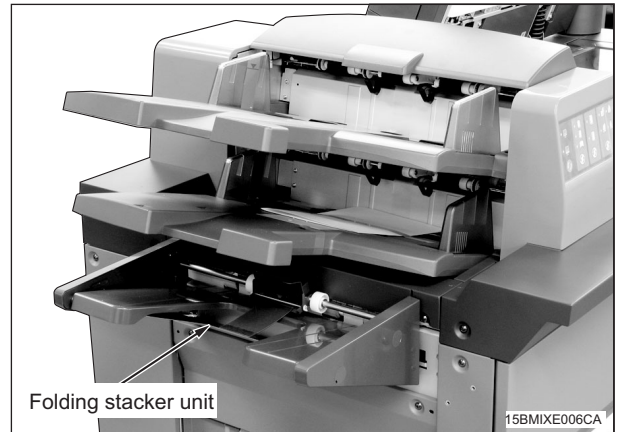
- (2) Reinstall the rear cover of the FD-503. (4 screws)
- (3) Install the main tray on the main tray up-down portion on the FD-503. (Truss screw M4x6: 2 pcs.)

Note:

- **Be sure to prepare the main tray separately.**
- When installing the main tray, hook the main tray guide holes to the four auxiliary metal hooks and secure the tray.



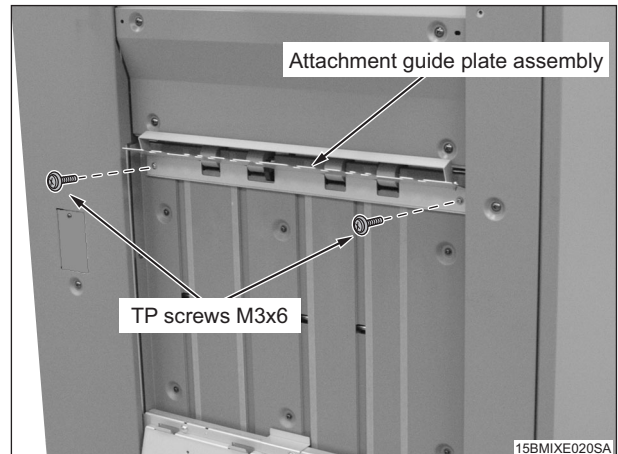
- (4) Install the folding stacker unit to the position shown in the picture.



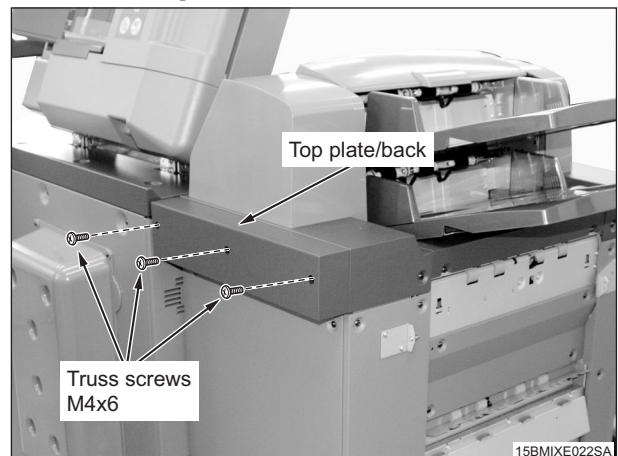
[If installing other optional units on the FD-503]

9. Install each part.

- (1) Install the rear cover of the FD-503. (4 screws)
- (2) Install the attachment guide plate assembly to the exit portion of the FD-503. (TP screw M3x6: 2 pcs.)

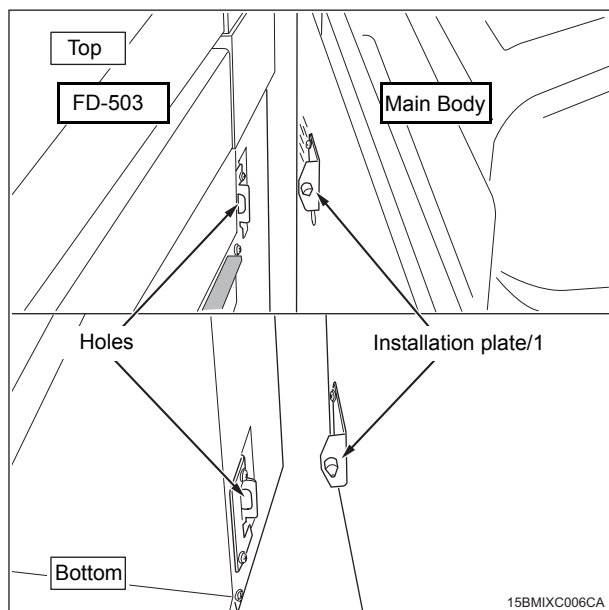


- (3) Install the top plate/back. (truss screw M4 x 6: 3 pcs.) [Use the plate only when installing the SD-506.]

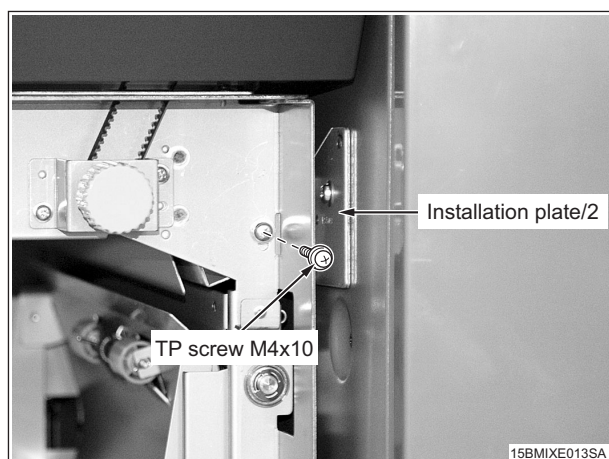


10. Install the FD-503 to the machine.

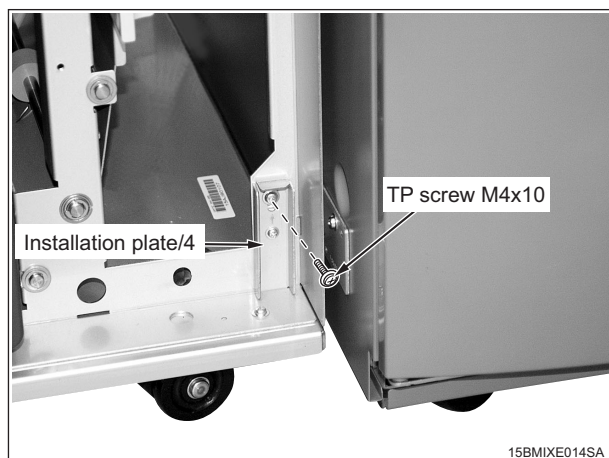
- (1) Align the top and bottom holes of the FD-503 to the Installation plate/1 pins, and lock them by sliding the FD-503 to the back.



- (2) Secure the FD-503 onto the Installation plate/2 with a screw. (TP screw M4x10: 1 pc.)



- (3) Install the Installation plate/4. (TP screw M4x10: 1 pc.)



Note:

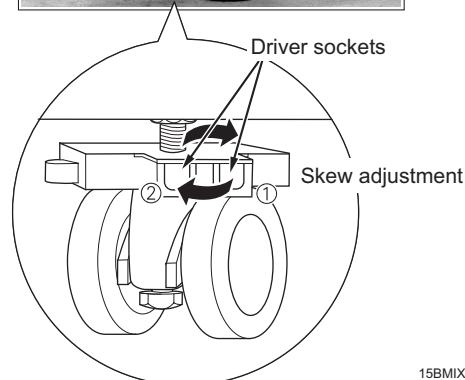
In case those screw holes height do not match to fix the installation plate 2 and the installation plate 4 by screw, adjust the height of FD-503 casters (4 parts) to match those screw holes.

Every caster has ratchet mechanism.

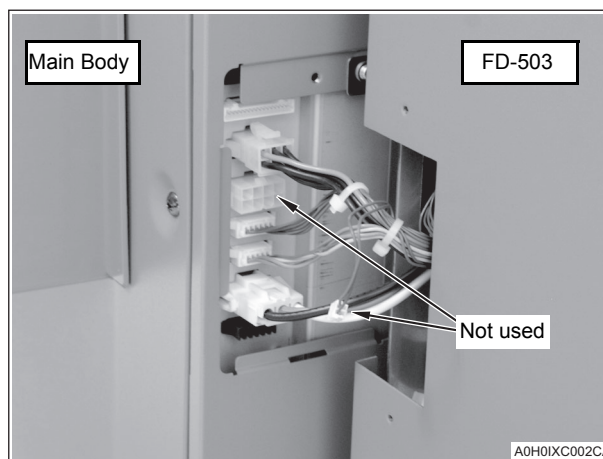
It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. $\pm 5\text{mm}$)

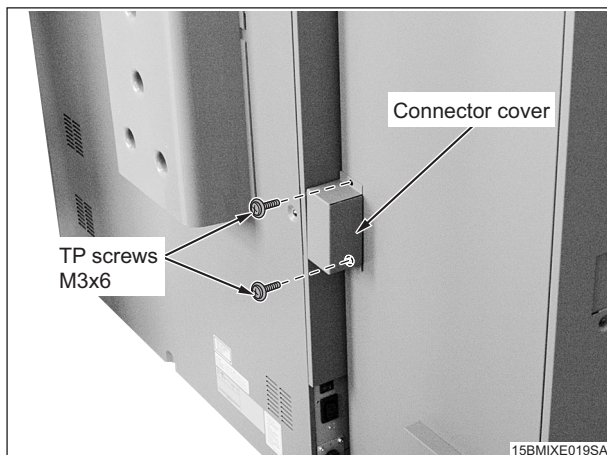
(Be sure the caster is contacting installation surface, otherwise the ratchet will not work.)



- (4) Connect the four connector jacks of the FD-503 to the connector plugs on the machine.



- (5) Install the Connector cover included in the package. (TP screw M3x6: 2 pcs.)



Note:

For the following procedures, refer to E-22 to 23.
(XVII.Serial Number Registration / XVIII. Importing Adjustment Data / XIX. Confirmation of Paper Output / XXI.Installation Procedure)

XVI.Installation Procedure

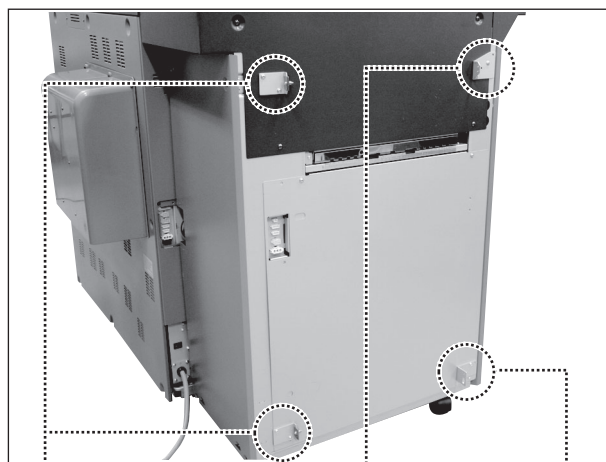
Installation procedure for [FD-503 + RU-506 + MFP 120ppm (105ppm-2) series]

* For the installation procedure for the RU-506, see the RU-506 installation manual.

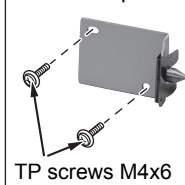
1. Turn the machine's Sub and Main switches OFF, and unplug the power cord.
2. Install the Installation plate/1 (2 places), the Installation plate/2, and the Installation plate/3 on the left side of RU-506 as below. (TP screw M4x6: 8 pcs.)

Note:

For the Installation plate/2 and the Installation plate/3, use the screw holes without the engraved marking "FS503."

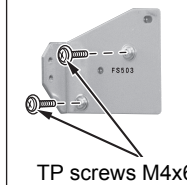


Installation plate/1



TP screws M4x6

Installation plate/2



TP screws M4x6

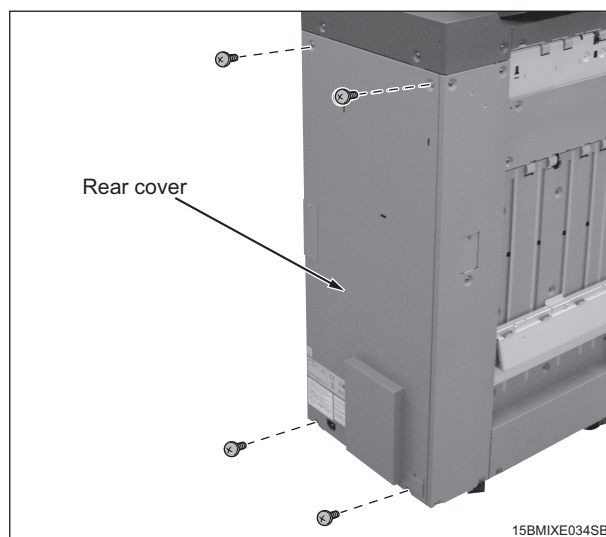
Installation plate/3



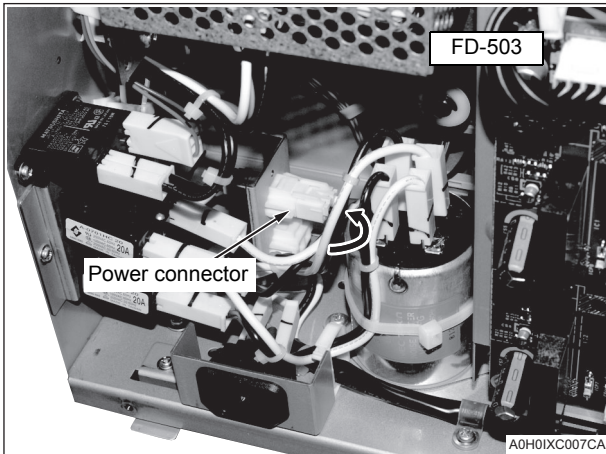
TP screws M4x6

A0H0IXC003CA

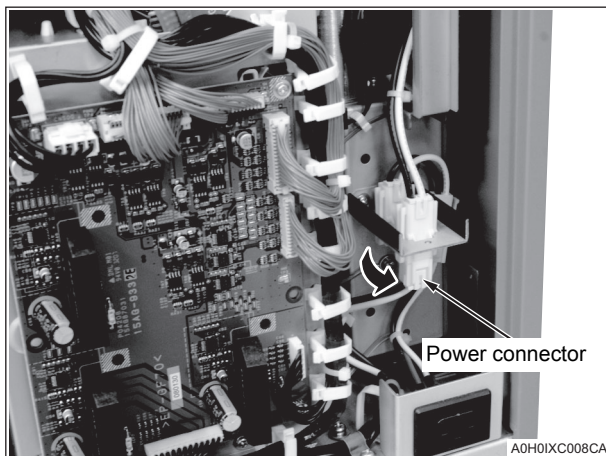
3. Change the connection of the power connector.
(1) Remove the rear cover of the FD-503. (4 screws)



- (2) Shift the position of the power connector from the lower to the upper.



- (3) If the other options except for PB or FS are connected after FD-503, shift the position of the power connector from the rear to the front.



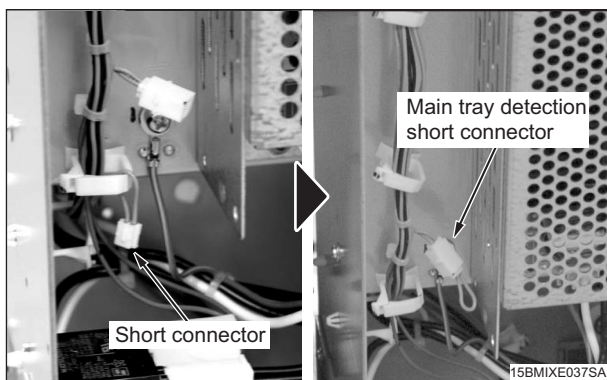
[If not installing other optional units on the FD-503]

4. Installing trays.

- (1) Install the main tray detection short connector.
- Remove the short connector from the clamp.
 - Connect the short connector to the main tray detection connector.

Note:

Unless the short connector is connected, the main tray will not work.

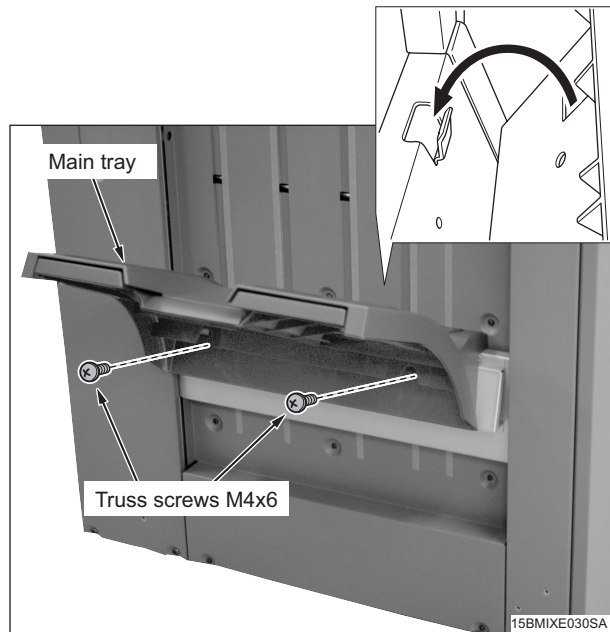


- (2) Reinstall the rear cover of the FD-503. (4 screws)

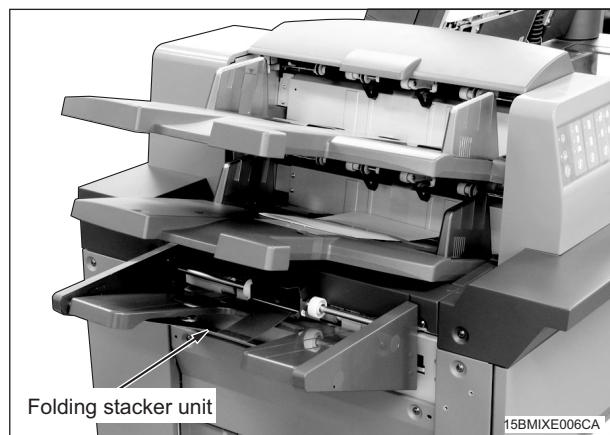
- (3) Install the main tray on the main tray up-down portion on the FD-503. (Truss screw M4x6: 2 pcs.)

Note:

- **Be sure to prepare the main tray separately.**
- When installing the main tray, hook the main tray guide holes to the four auxiliary metal hooks and secure the tray.



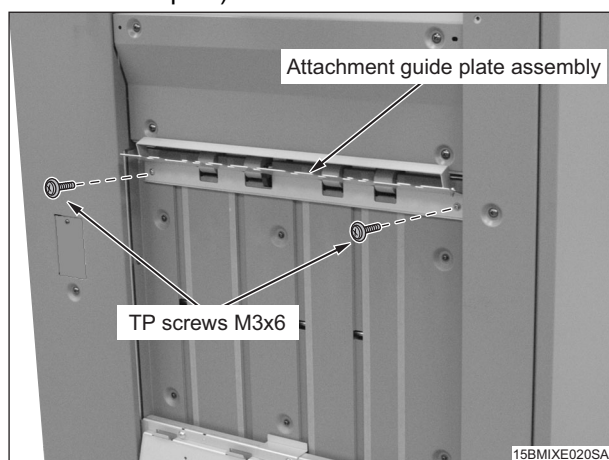
- (4) Install the folding stacker unit to the position shown in the picture.



[If installing other optional units on the FD-503]

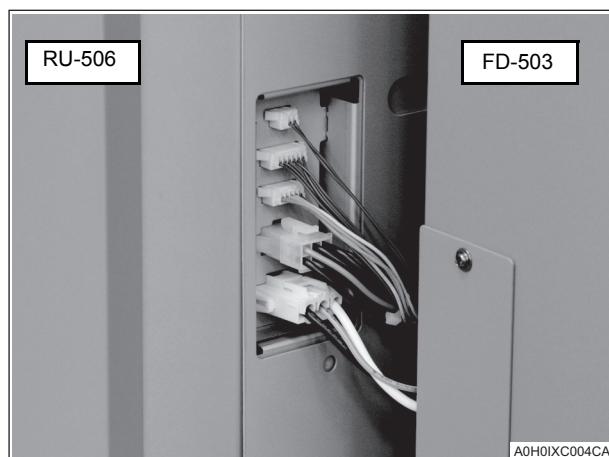
4. Install each part.

- (1) Install the rear cover of the FD-503. (4 screws)
- (2) Install the attachment guide plate assembly to the exit portion of the FD-503. (TP screw M3x6: 2 pcs.)

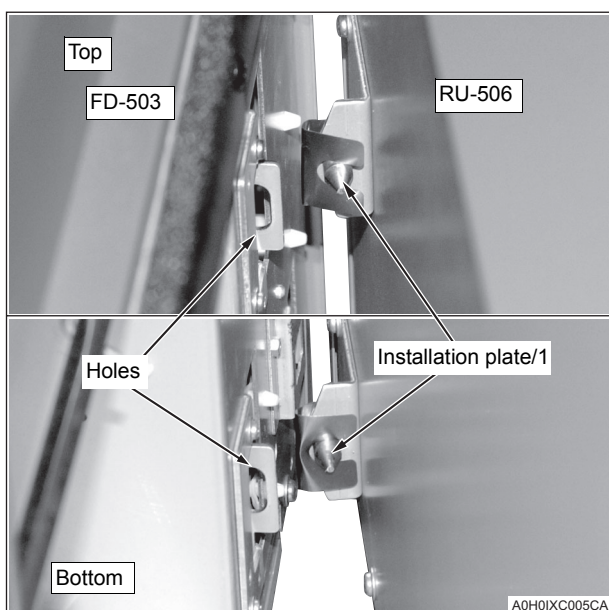


5. Install the FD-503 to RU-506.

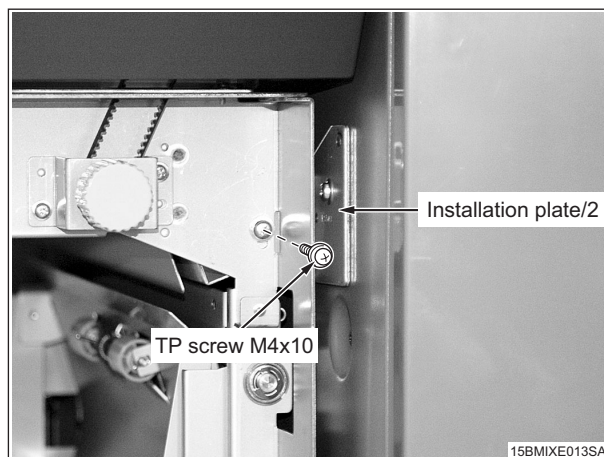
- (1) Connect 5 connector plugs of the FD-503 to the connector jacks on RU-506.



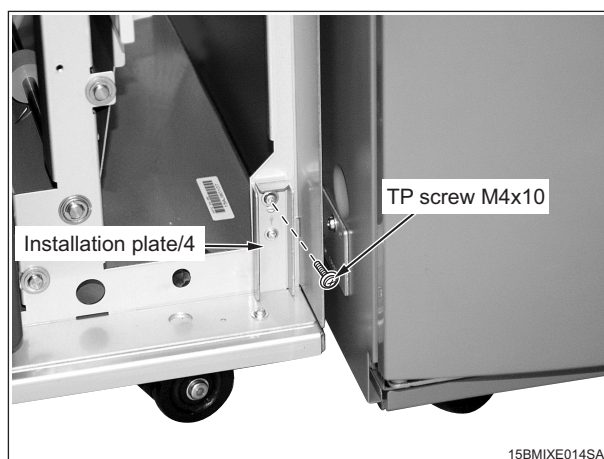
- (2) Align the top and bottom holes of the FD-503 to the Installation plate/1 pins, and lock them by sliding the FD-503 to the back.



- (3) Secure the FD-503 onto the Installation plate/2 with a screw. (TP screw M4x10: 1 pc.)



- (4) Install the Installation plate/4. (TP screw M4x10: 1 pc.)



Note:

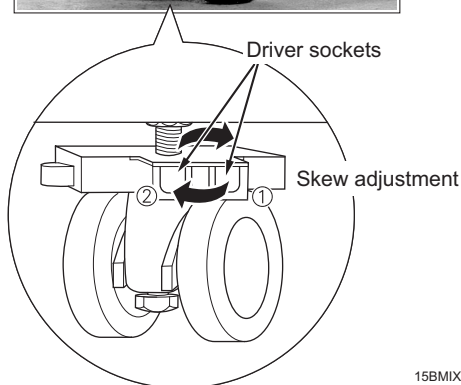
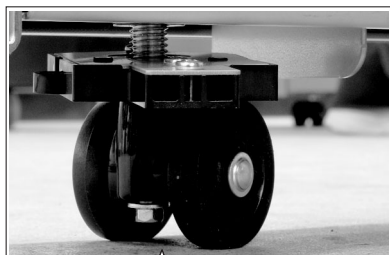
In case those screw holes height do not match to fix the installation plate 2 and the installation plate 4 by screw, adjust the height of FD-503 casters (4 parts) to mach those screw holes.

Every caster has ratchet mechanism.

It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

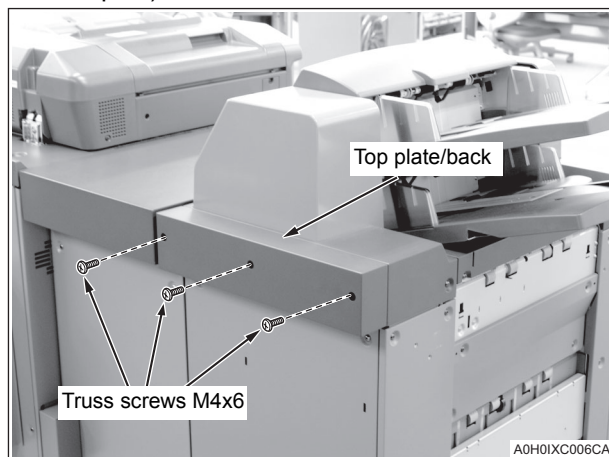
Be sure not to go it up too much, otherwise the bolt would come off. (max. $\pm 5\text{mm}$)

(Be sure the caster is contacting installation surface, otherwise the ratchet will not work.)



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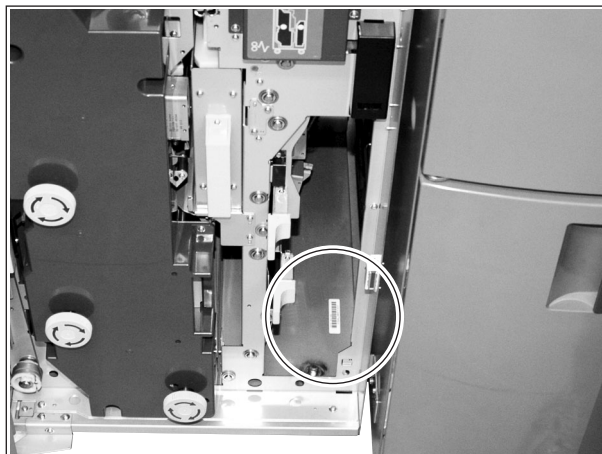
- (5) Install the top plate/back. (truss screw M4 x 6: 3 pcs.)



XVII. Serial Number Registration

Register the serial number of the FD-503 that has been installed to the main body.

The location of the serial number is shown in the figure below.



	Step
1.	Plug the power cord into the outlet and turn ON the Main power switch.
2.	Enter Service mode. Note: Refer to procedures in the Service Manual to enter into the Service Mode.
3.	Touch "System Setting".
4.	Touch "M/C Serial Number Setting".
5.	Touch "Finisher" to display the serial number setting screen. (Select the installation order key.)
6.	Enter the serial number of the FD-503 and touch the "OK" key. (Use the "Shift" key to switch between upper case letters and lower case letters.)
7.	Touch "OK" on the serial number setting screen.

XVIII. Importing Adjustment Data

Import the factory adjustment data of the FD-503 to the machine memory.

If a FD-503 and other optional units are connected, they can recover the standard data at the same time.

	Step
1.	On the Service mode menu screen, touch "Finisher Adjustment".
2.	Touch "Recall Standard Data".
3.	Touch "Factory Initial Data" on the recall standard data screen.
4.	"Completed in recalling standard data." appears on the screen.

XIX. Confirmation of Paper Output

Output paper in all folding modes and punch mode to check paper folding and punch accuracy. If the results are not within the standard values, adjust the settings.

See the Field Service section of the Service Manual for adjustment method.

XX. Adjustment Data Backup

If the adjustment data of the FD-503 is changed, back up the main body's FD-503 data to the FD-503 memory board.

If a FD-503 and other optional units are connected, the data will be backed up at the same time.

	Step
1.	Enter "Service mode menu" screen.
2.	Touch the "Machine Condition".
3.	Touch the "I/O Check Mode".
4.	Enter "9" and "0" using the quantity setting buttons. Make sure that <090-00> appears on the message display.
5.	Press the [Start] key. Make sure that <OUT:FIN> appears on the message display after the adjustment.
6.	Touch "Return", then touch "Exit".

XXI. Installation Procedure

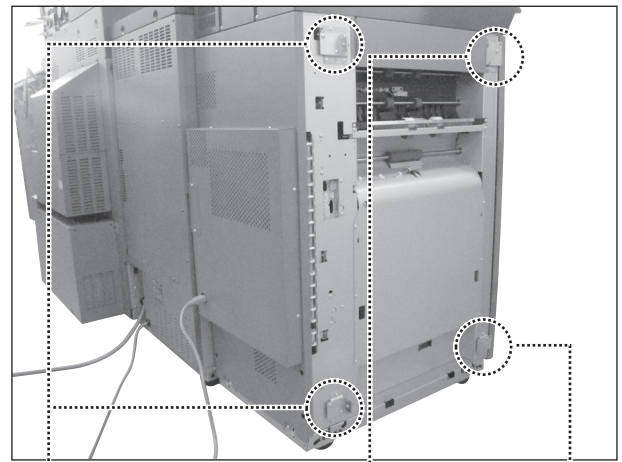
Installation procedure for [FD-503 + RU-508 + EF-101+ C8000]

* For the installation procedure for the RU-508, see the RU-508 installation manual.

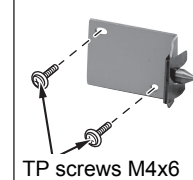
1. Turn the machine's Sub and Main switches OFF, and unplug the power cord.
2. Install the Installation plate/1 (2 places), the Installation plate/2, and the Installation plate/3 on the left side of RU-508 as below. (TP screw M4x6: 8 pcs.)

Note:

For the Installation plate/2 and the Installation plate/3, use the screw holes without the engraved marking "FS503."

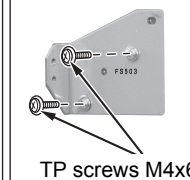


Installation plate/1



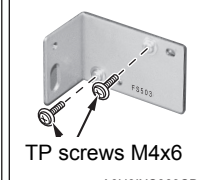
TP screws M4x6

Installation plate/2



TP screws M4x6

Installation plate/3



TP screws M4x6

A0H0IXC003CB

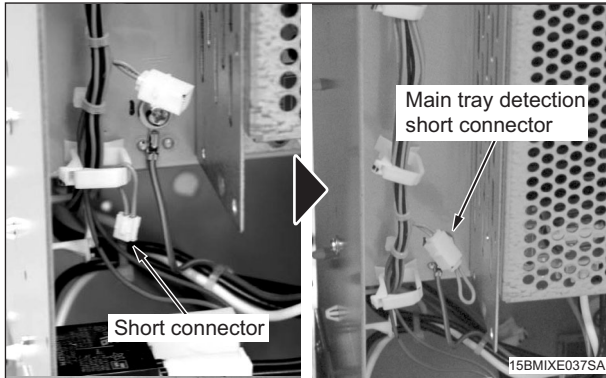
[If not installing other optional units on the FD-503]

3. Installing trays.

- (1) Install the main tray detection short connector.
 - Remove the short connector from the clamp.
 - Connect the short connector to the main tray detection connector.

Note:

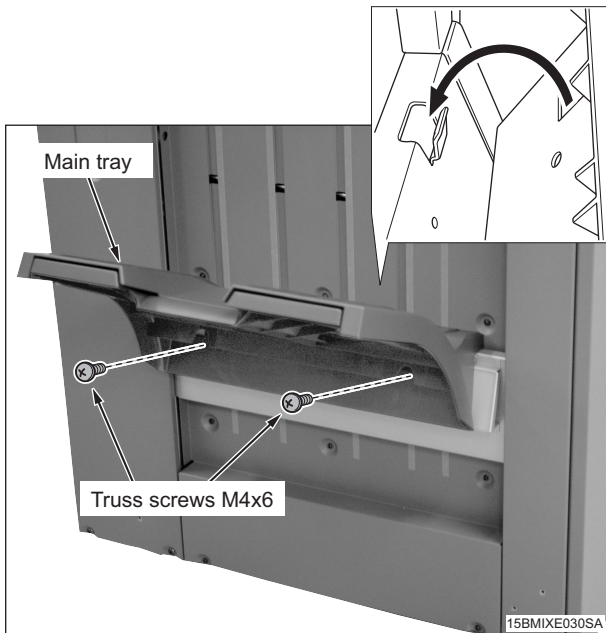
Unless the short connector is connected, the main tray will not work.



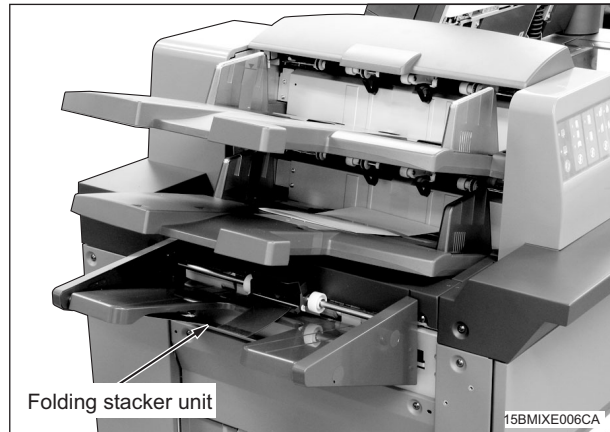
- (2) Reinstall the rear cover of the FD-503. (4 screws)
- (3) Install the main tray on the main tray up-down portion on the FD-503. (Truss screw M4x6: 2 pcs.)

Note:

- **Be sure to prepare the main tray separately.**
- When installing the main tray, hook the main tray guide holes to the four auxiliary metal hooks and secure the tray.

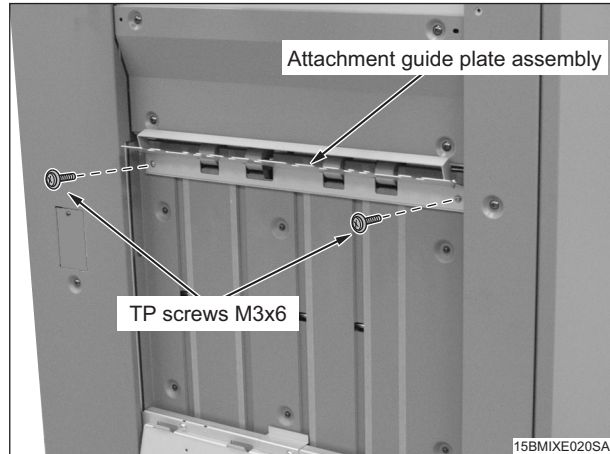


- (4) Install the folding stacker unit to the position shown in the picture.



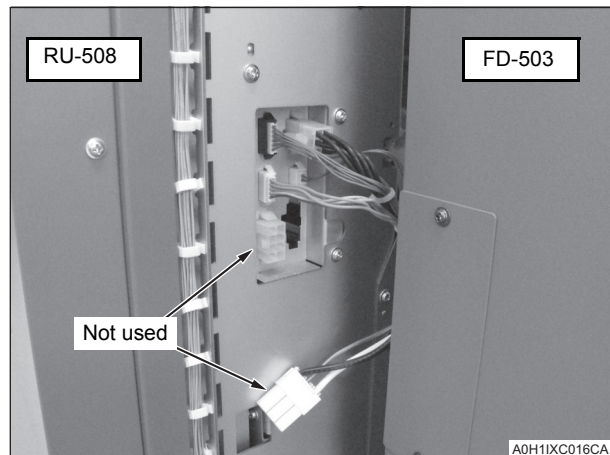
[If installing other optional units on the FD-503]

4. Install the attachment guide plate assembly to the exit portion of the FD-503. (TP screw M3x6: 2 pcs.)

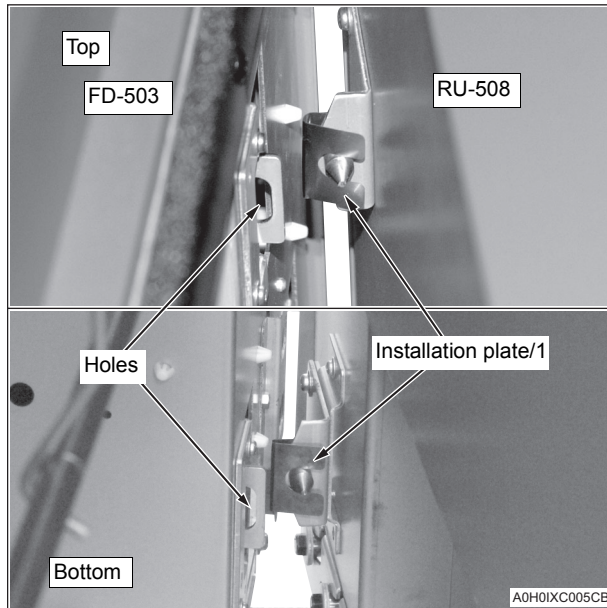


5. Install the FD-503 to RU-508.

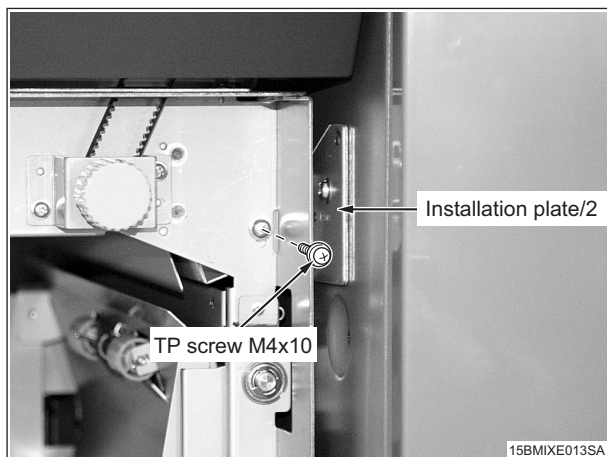
- (1) Connect 4 connector plugs of the FD-503 to the connector jacks on RU-508.



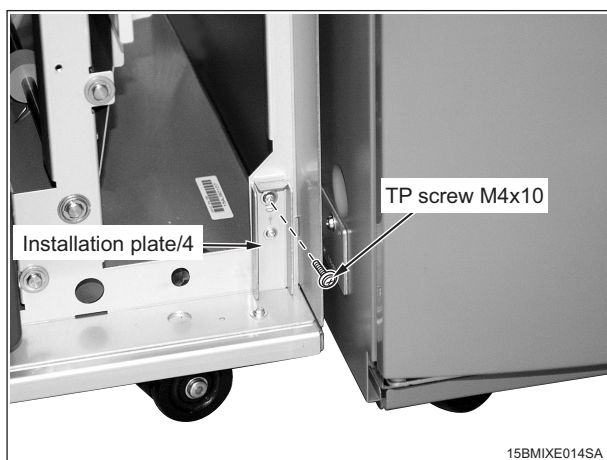
- (2) Align the top and bottom holes of the FD-503 to the Installation plate/1 pins, and lock them by sliding the FD-503 to the back.



- (3) Secure the FD-503 onto the Installation plate/2 with a screw. (TP screw M4x10: 1 pc.)



- (4) Install the Installation plate/4. (TP screw M4x10: 1 pc.)



Note:

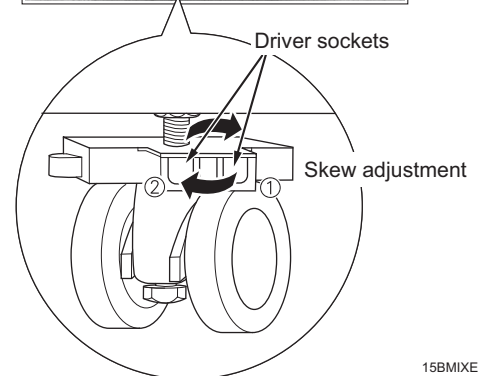
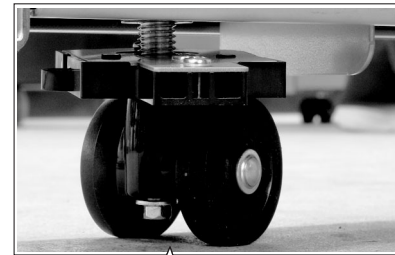
In case those screw holes height do not match to fix the installation plate 2 and the installation plate 4 by screw, adjust the height of FD-503 casters (4 parts) to match those screw holes.

Every caster has ratchet mechanism.

It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. $\pm 5\text{mm}$)

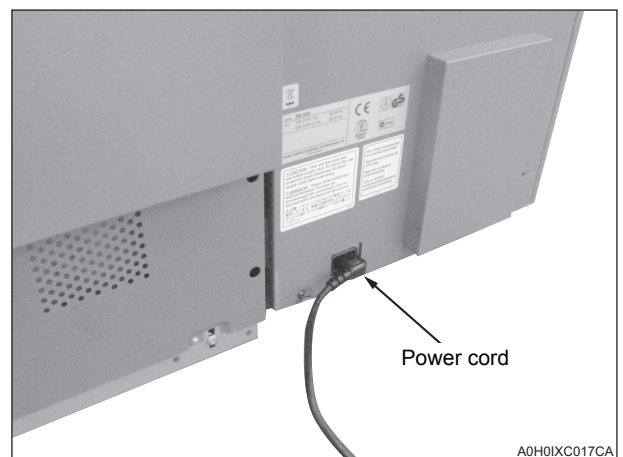
(Be sure the caster is contacting installation surface, otherwise the ratchet will not work.)



6. Plug in the power cord included in the package.

(1) Remove the power cord cover of FD-503. (1 screw)

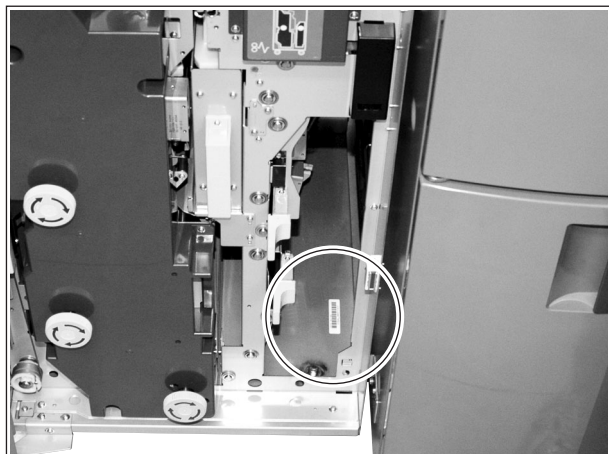
(2) Connect the power cord to the FD-503, and plug it into the outlet)



XXII. Serial Number Registration

Register the serial number of the FD-503 that has been installed to the main body.

The location of the serial number is shown in the figure below.



	Step
1.	Plug the power cord into the outlet and turn ON the Main power switch.
2.	Enter Service mode. Note: Refer to procedures in the Service Manual to enter into the Service Mode.
3.	Touch "System Setting".
4.	Touch "M/C Serial Number Setting".
5.	Touch "Finisher" to display the serial number setting screen. (Select the installation order key.)
6.	Enter the serial number of the FD-503 and touch the "OK" key. (Use the "Shift" key to switch between upper case letters and lower case letters.)
7.	Touch "OK" on the serial number setting screen.
8.	Touch "Return", then touch "Close".

XXIII. Importing Adjustment Data

Import the factory adjustment data of the FD-503 to the machine memory.

If a FD-503 and other optional units are connected, they can recover the standard data at the same time.

	Step
1.	On the Service mode menu screen, touch "Finisher Adjustment".
2.	Touch "Recall Standard Data".
3.	Touch the "Factory Initial Data" on the recall standard data screen and then touch the "Yes".
4.	Touch "Return", then touch "Close".

XXIV. Confirmation of Paper Output

Output paper in all folding modes and punch mode to check paper folding and punch accuracy. If the results are not within the standard values, adjust the settings.

See the Service Manual for adjustment method.

XXV. Adjustment Data Backup

If the adjustment data of the FD-503 is changed, back up the main body's FD-503 data to the FD-503 memory board.

If a FD-503 and other optional units are connected, the data will be backed up at the same time.

	Step
1.	Enter "Service mode menu" screen.
2.	Touch the "Machine Condition".
3.	Touch the "I/O Check Mode".
4.	Enter "9" and "0" using the quantity setting buttons. Make sure that <90-00> appears on the message display.
5.	Press the [Start] key. Make sure that <OUT:FIN> appears on the message display after the adjustment.
6.	Touch "Return", then touch "Exit".

XXVI. Installation Procedure

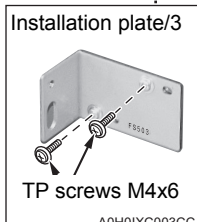
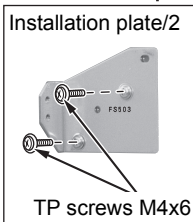
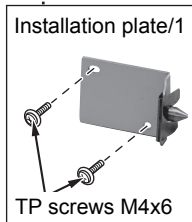
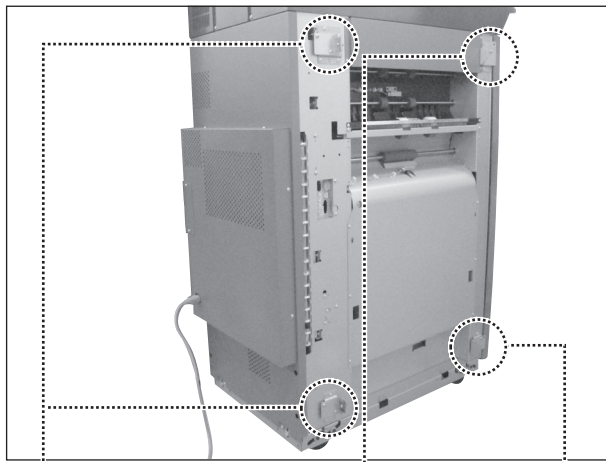
Installation procedure for [FD-503 + RU-509 + C7000/C7000P/C6000/C70hc]

* For the installation procedure for the RU-509, see the RU-509 installation manual.

1. Turn the machine's Sub and Main switches OFF, and unplug the power cord.
2. Install the Installation plate/1 (2 places), the Installation plate/2, and the Installation plate/3 on the left side of RU-509 as below. (TP screw M4x6: 8 pcs.)

Note:

For the Installation plate/2 and the Installation plate/3, use the screw holes without the engraved marking "FS503."



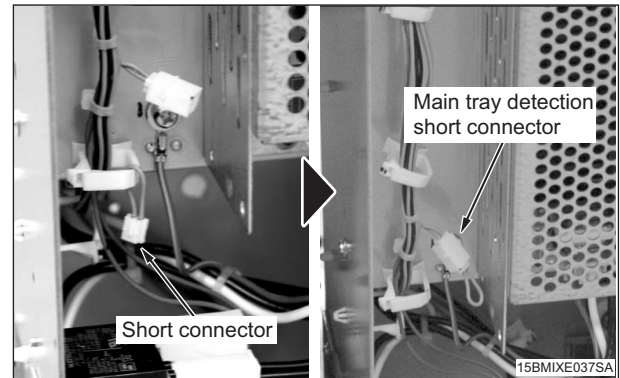
[If not installing other optional units on the FD-503]

3. Installing trays.

- (1) Install the main tray detection short connector.
 - Remove the short connector from the clamp.
 - Connect the short connector to the main tray detection connector.

Note:

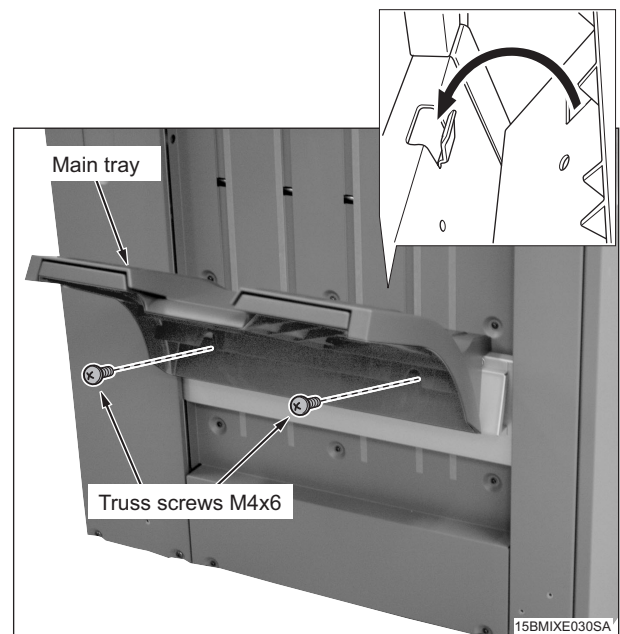
Unless the short connector is connected, the main tray will not work.



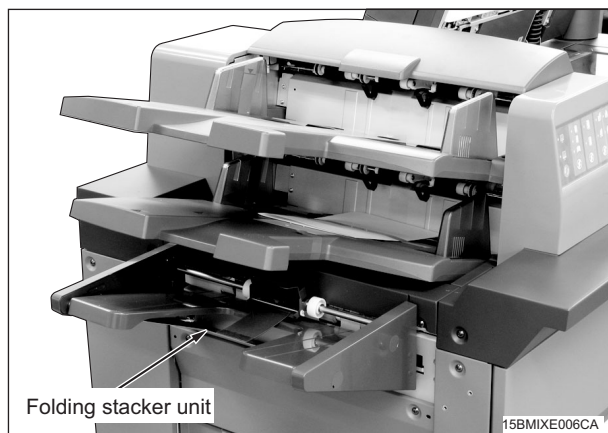
- (2) Reinstall the rear cover of the FD-503. (4 screws)
- (3) Install the main tray on the main tray up-down portion on the FD-503. (Truss screw M4x6: 2 pcs.)

Note:

- Be sure to prepare the main tray separately.
- When installing the main tray, hook the main tray guide holes to the four auxiliary metal hooks and secure the tray.

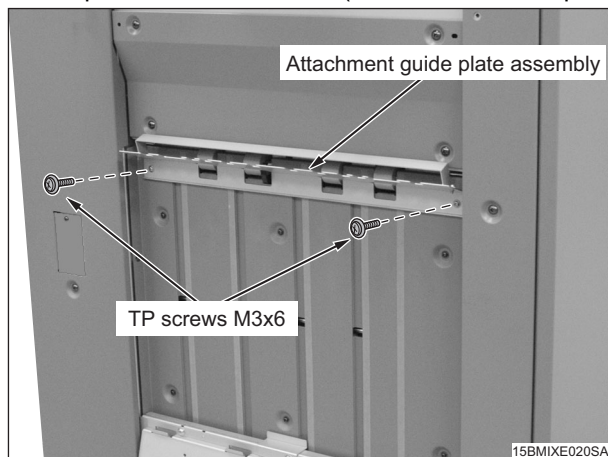


- (4) Install the folding stacker unit to the position shown in the picture.



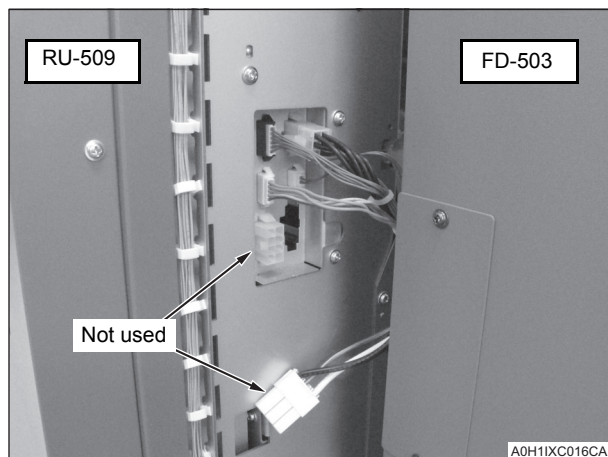
[If installing other optional units on the FD-503]

4. Install the attachment guide plate assembly to the exit portion of the FD-503. (TP screw M3x6: 2 pcs.)

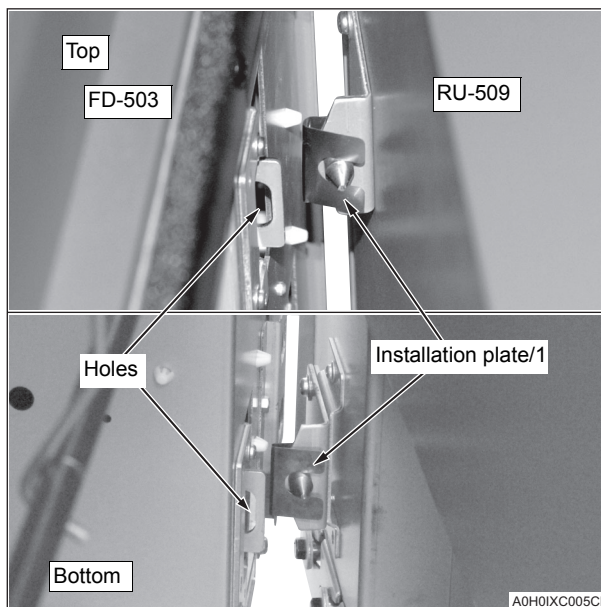


5. Install the FD-503 to RU-509.

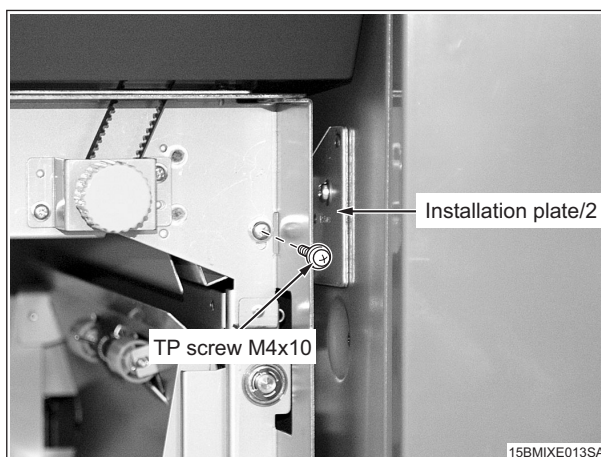
- (1) Connect 4 connector plugs of the FD-503 to the connector jacks on RU-509.



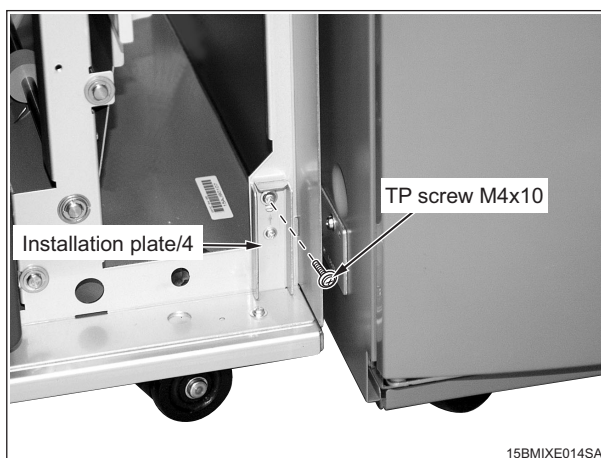
- (2) Align the top and bottom holes of the FD-503 to the Installation plate/1 pins, and lock them by sliding the FD-503 to the back.



- (3) Secure the FD-503 onto the Installation plate/2 with a screw. (TP screw M4x10: 1 pc.)



- (4) Install the Installation plate/4. (TP screw M4x10: 1 pc.)



Note:

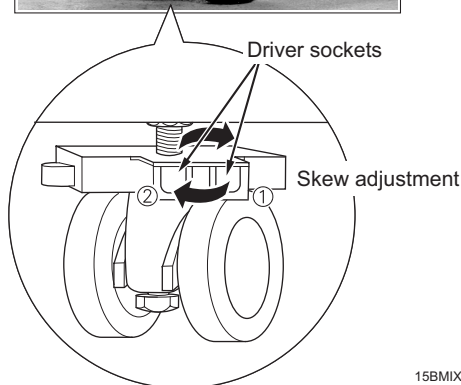
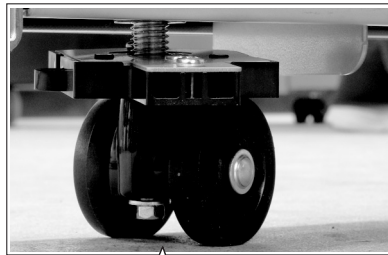
In case those screw holes height do not match to fix the installation plate 2 and the installation plate 4 by screw, adjust the height of FD-503 casters (4 parts) to mach those screw holes.

Every caster has ratchet mechanism.

It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. $\pm 5\text{mm}$)

(Be sure the caster is contacting installation surface, otherwise the ratchet will not work.)

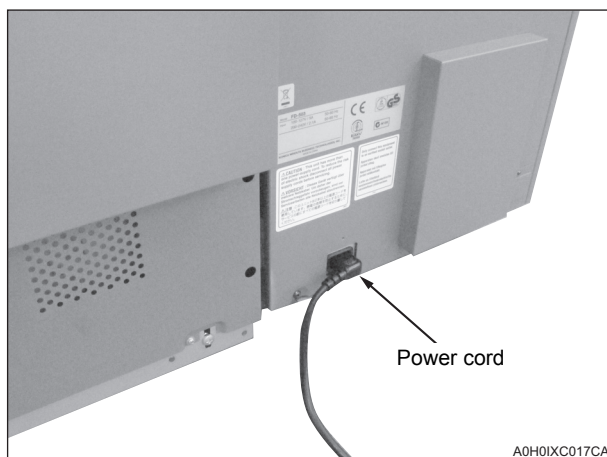


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6. Plug in the power cord included in the package.

(1) Remove the power cord cover of FD-503. (1 screw)

(2) Connect the power cord to the FD-503, and plug it into the outlet)

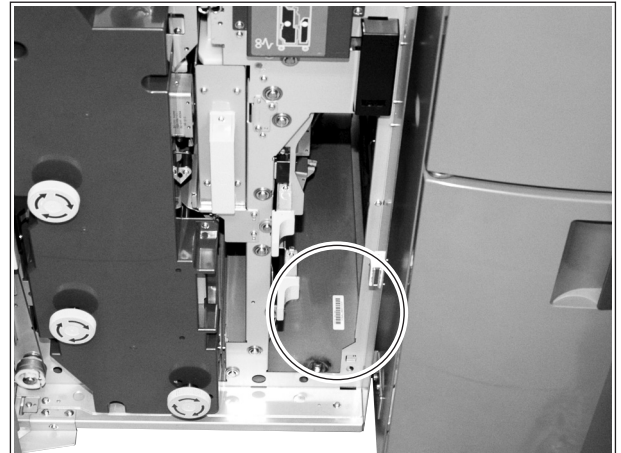


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XXVII. Serial Number Registration

Register the serial number of the FD-503 that has been installed to the main body.

The location of the serial number is shown in the figure below.



	Step
1.	Plug the power cord into the outlet and turn ON the Main power switch.
2.	Enter Service mode. Note: Refer to procedures in the Service Manual to enter into the Service Mode.
3.	Touch "System Setting".
4.	Touch "M/C Serial Number Setting".
5.	Touch "Finisher" to display the serial number setting screen. (Select the installation order key.)
6.	Enter the serial number of the FD-503 and touch the "OK" key. (Use the "Shift" key to switch between upper case letters and lower case letters.)
7.	Touch "Return", then touch "Close".

XXVIII. Importing Adjustment Data

Import the factory adjustment data of the FD-503 to the machine memory.

If a FD-503 and other optional units are connected, they can recover the standard data at the same time.

	Step
1.	On the Service mode menu screen, touch "Finisher Adjustment".
2.	Touch "Recall Standard Data".
3.	Touch the "Factory Initial Data" on the recall standard data screen and then touch the "Yes".
4.	Touch "Return", then touch "Close".

XXIX. Confirmation of Paper Output

Output paper in all folding modes and punch mode to check paper folding and punch accuracy. If the results are not within the standard values, adjust the settings.

See the Service Manual for adjustment method.

XXX. Adjustment Data Backup

If the adjustment data of the FD-503 is changed, back up the main body's FD-503 data to the FD-503 memory board.

If a FD-503 and other optional units are connected, the data will be backed up at the same time.

	Step
1.	Touch the "Machine Condition".
2.	Touch the "I/O Check Mode".
3.	Enter "9" and "0" using the quantity setting buttons. Make sure that <90-00> 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 "Return", then touch "Exit".