LS-505 Large Capacity Stacker

INSTALLATION MANUAL

Applied Machine: C6501/C6501P/C65hc/C8000/C7000/C7000P/C6000/C70hc/1200/1200P/1051 COLOR MFP: 65ppm COLOR PRESS:80/(71ppm/71ppm)/(70ppm/70ppm)/(60ppm/60ppm) MFP:120ppm/105ppm-2 Product Code: A0U0/A0U2/A0Y8/A1RF/A1UD/A204/A1DV/A205/A0G6/A0GA/A0G9

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[C7000/C7000P/C6000/C70hc]

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II.Confirmation Prior to Installation

- Be sure that the machine's Sub and Main switches are OFF before starting the installation. Unplug the power cord.
- 2. Do not turn the Main and Sub power switches ON until all the locking materials are removed from the LS-505.

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III. Accessory Parts

Note:

(C7000/C7000P/C6000/C70hc only)

 In the combination of machine + RU +LS, the LS-505 needs power supply from outside. In this case, use a power code(for option) included in the machine. Use the one which meets your country specification.

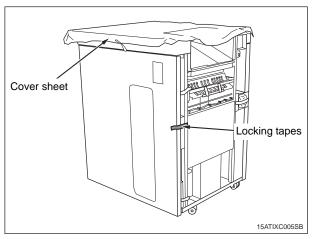
(C8000 only)

• When the LS-505 is installed, the external power source might be required. Prepare the power cord. (Not bundled in the LS-505)

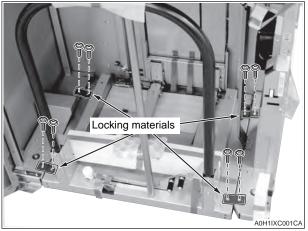
No.	Name	Shape	Q'ty
1.	Installation plate/1	15ATIXC002SA	2
2.	Installation plate/2	15ATIXC003SA	2
3.	Installation plate/3	15ATIXC004SA	1
4.	Connector cover	15ATIXC005SA	1
5.	Stacker tray	15ATIXC006SA	1
6.	S-tapping screw (Hexagon) M4x8		10
7.	Relay power cord		1
8.	Installation manual		1

IV. Preparation Prior to Installation

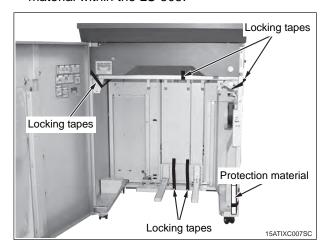
- 1. Visually inspect the LS-505.
- 2. Remove the locking tape on the front door and the cover sheet on top of the LS-505.



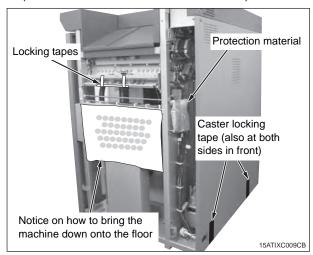
3. Open the front door of the LS-505, remove the locking materials (4) on the handcart, and pull out the handcart.



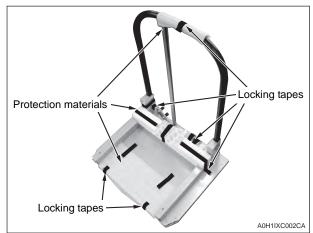
4. Remove the locking tapes and the protection material within the LS-505.



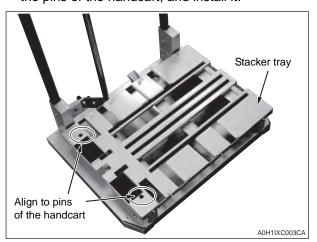
 Remove the locking tape and the protection material from the connector and casters, and the notice on how to bring the machine down onto the floor. (Casters are also at both sides in front.)



Remove the locking tapes and the protection materials from the handcart.



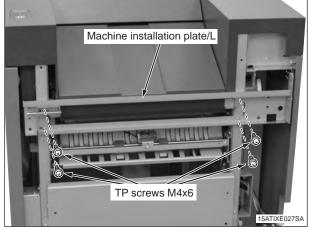
7. Align the stacker tray included in the package to the pins of the handcart, and install it.



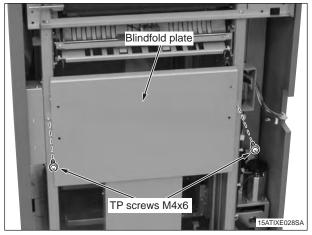
V. Installation Procedure

Installation procedure for [LS-505 + RU-504 + COLOR MFP 65ppm]

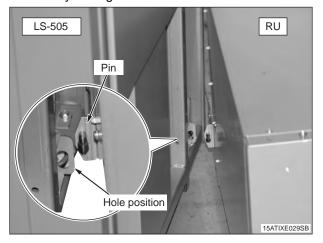
- * For the installation procedure for the RU-504, see the RU-504 installation manual.
- 1. Turn OFF the machine's Sub and Main power switches, and unplug the power cord.
- 2. Install the machine installation plate/L (included in the RU package) (TP screw M4x6: 4 pcs.: included with the RU).



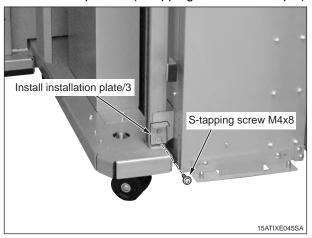
Install the blindfold plate (included in the RU package) (TP screw M4x6: 2 pcs.: included with the RU).



4. Align the bottom hole of the LS-505 with the positioning pin on the power supply unit, and lock them by sliding the LS-505 toward the back.



5. Open the front door of the LS-505, and install installation plate/3. (S-tapping screw M4x8:1 pc.)



Note:

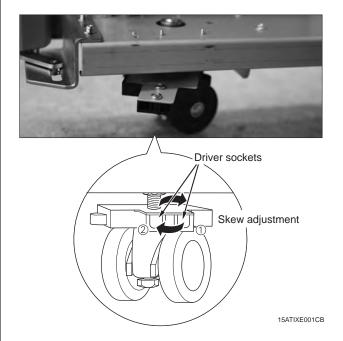
In case those screw holes height do not match to fix the installation plate/3 by screw, adjust the height of LS-505 casters (4 parts) to mach those screw holes.

Every caster has ratchet mechanism.

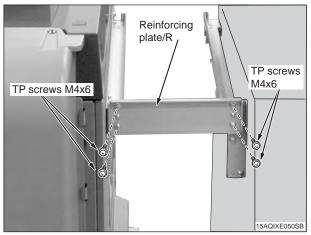
It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. ±5mm)

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



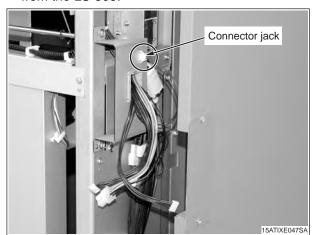
6. Install the reinforcing plate/R (included in the RU package) on the back of machine installation plate/R and machine installation plate/L. (TP screw M4x6: 4 pcs.: included with the RU)



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



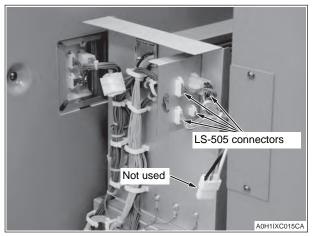
8. Unplug the connector shown in the photograph from the LS-505.



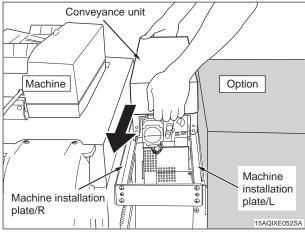
9. Connect the 4 LS-505 connector plugs to the connector jacks of the power supply unit.

Note:

Not used pointed connectors by arrows.



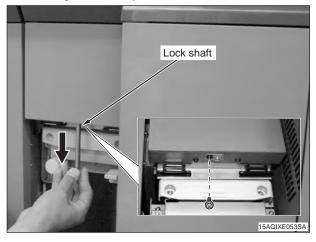
10. Place the conveyance unit on the rail of machine installation plate/R and machine installation plate/L, and slide it all the way in until it stops at the back.



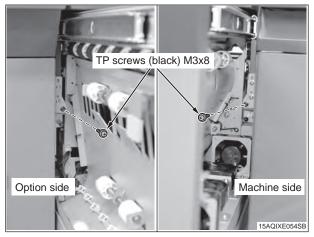
11. Remove the lock shaft of the conveyance unit (1 black screw).

Note:

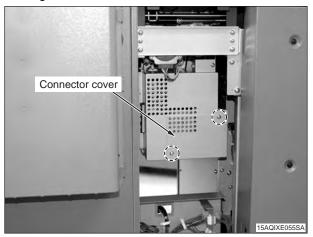
Be sure to store the lock shaft for the use when removing the conveyance unit.



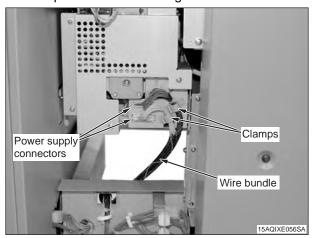
12. Pull out the conveyance unit, secure it with screws (TP screw (black) M3x8: 2pcs.: included with the RU), and push it back.



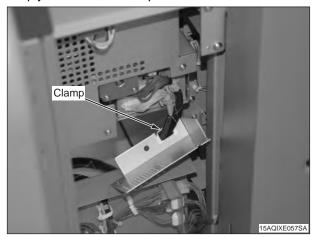
 Loosen 2 screws, and remove the connector cover on the back side of the RU conveyance segment.



14. Connect 2 connector plugs of the power supply unit to the connector plugs of the conveyance segment, and secure the wire bundle with 2 clamps as shown in the figure.



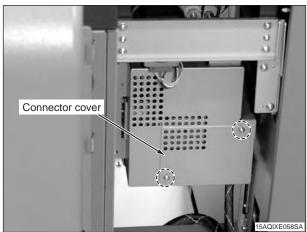
15. Secure the bundled connectors of the power supply unit with the clamp on the connector cover.



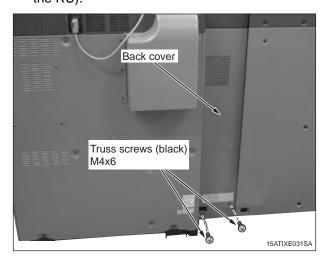
16. Install the connector cover on the RU conveyance segment.

Note:

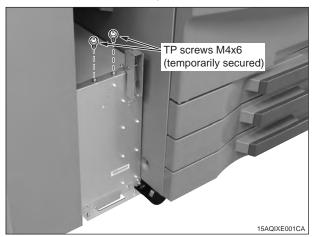
Fit the wire bundle in the RU machine so that it will not get hooked when the conveyance segment is pulled out.



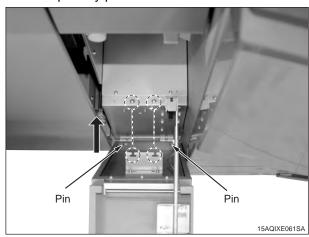
17. Install the back cover (included with the RU) (Truss screw (black) M4x6: 2 pcs.: included with the RU).



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

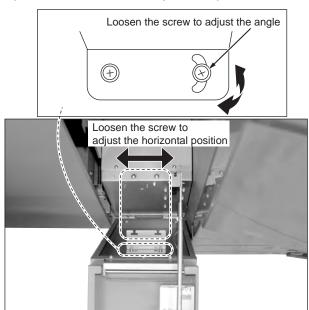


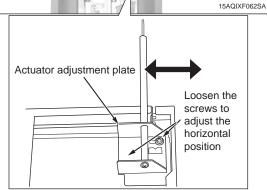
(2) Align the bottom holes of the front cover with the pins of the power supply unit, and use the temporarily placed screws to secure it.



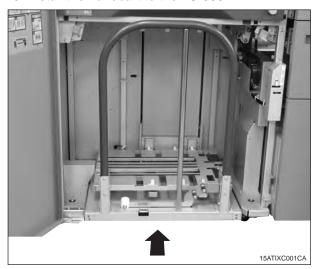
Note:

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.



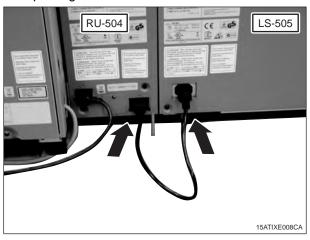


19. Install the handcart to the LS-505.



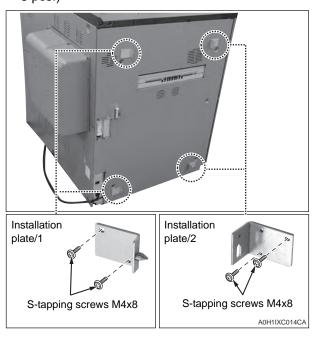
20. Close the front door of the LS-505.

- 21. Plug in the power cord.
 - (1) Remove the power cord cover on the RU-504 and the LS-505. (2 screws)
 - (2) Connect the relay power cord included in the package to the LS-505.

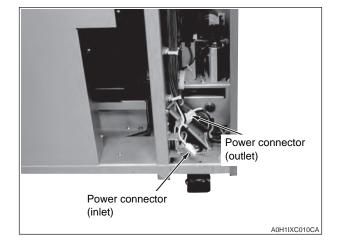


Installation procedure for [LS-505 + MFP 105ppm-2]

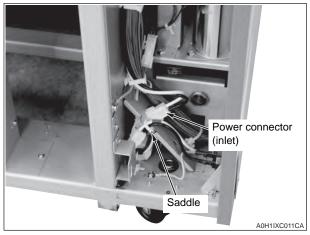
- 1. Turn the machine's Sub and Main power switches OFF, and unplug the power cord.
- 2. Install the Installation plate/1 (2 places) and the Installation plate/2 (2 places) on the left side of the main body as below. (S-tapping screw M4x8: 8 pcs.)



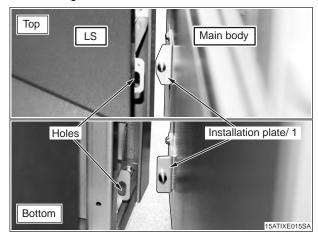
- 3. Install the LS-505 to the main body.
 - (1) Change the connection of the power connector.
 - a. Unplug the outlet power connector (red band).



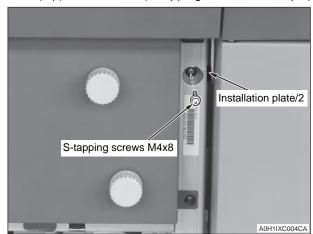
b. Plug in the inlet power connector and set the outlet power connector in the saddle.



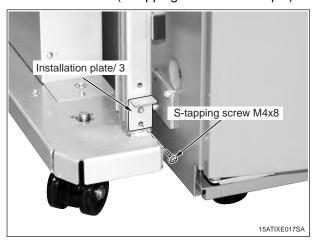
(2) Align the top and bottom holes of the LS-505 to the Installation plate/1 pins, and lock them by sliding the LS to the back.



(3) Secure the LS-505 onto the Installation plate/2 (top) with a screw. (S-tapping screw M4x8: 1 pc.)



(4) Insert the Installation plate/3 pin, and secure it with a screw. (S-tapping screw M4x8: 1 pc.)



Note:

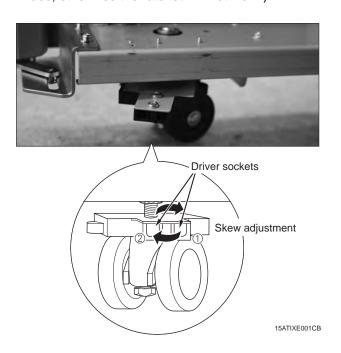
In case those screw holes height do not match to fix the installation plate/2 and the installation plate/3 by screw, adjust the height of LS-505 casters (4 parts) to mach those screw holes.

Every caster has ratchet mechanism.

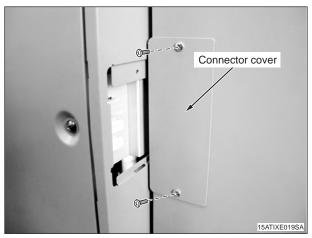
It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. ±5mm)

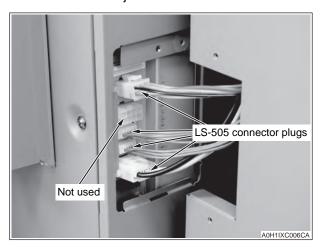
(Be sure the caster is contacting installation surface, otherwise the ratchet will not work.)



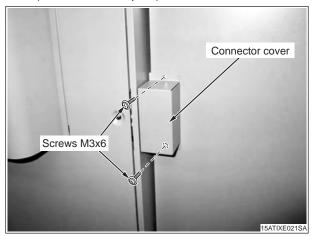
(5) Remove the connector cover on the back of the LS-505 (2 screws).



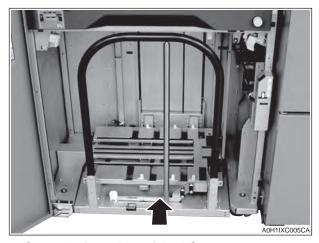
(6) Connect 4 connector plugs of the LS-505 to the connector jacks on the machine.



(7) Use the screws removed in step (5) to install the connector cover included in the package. (Screw M3x6: 2 pcs.)



4. Install the handcart to the LS-505.

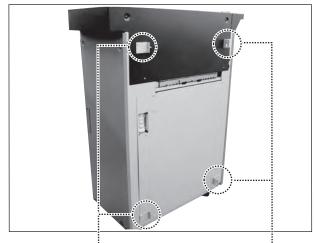


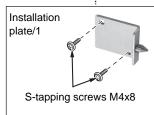
5. Close the front door of the LS-505.

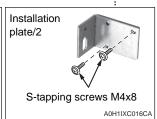
Installation procedure for

[LS-505 + RU-506 + MFP 120ppm(105ppm-2) series]

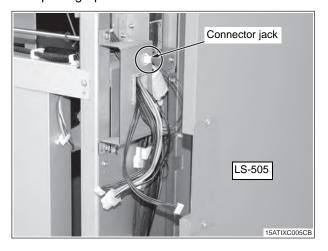
- * For the installation procedure for the RU-506, see the RU-506 installation manual.
- 1. Install LS-505 to the combination of RU-506 and the machine.
 - (1) Install the Installation plate/1 (2 places) and the Installation plate/2 (2 places) on the left side of RU-506 as below. (S-tapping screw M4x8: 8 pcs.)



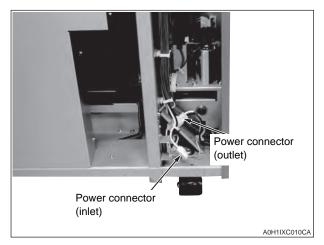




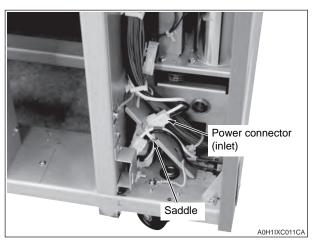
(2) Unplug the LS-505 connector shown in the photograph.



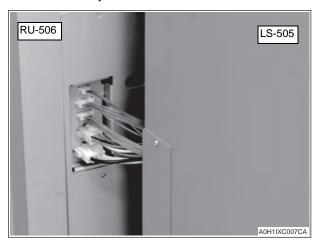
- (3) Change the connection of the power connector.
- a. Unplug the outlet power connector (red band).



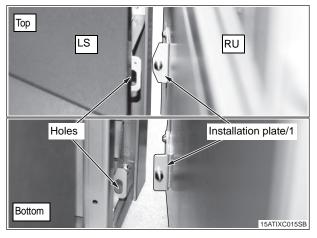
b. Plug in the inlet power connector and set the outlet power connector in the saddle.



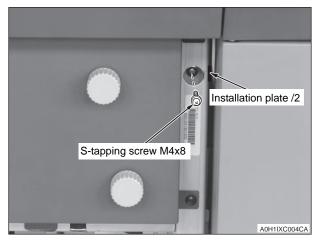
(4) Connect 5 connector plugs of LS-505 to the connector jacks on RU-506.



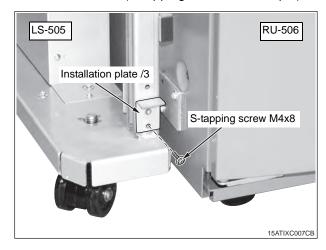
(5) Align the top and bottom holes of the LS unit to the Installation plate/1 pins, and lock them by sliding the LS unit to the back.



(6) Secure the LS-505 onto the Installation plate/2 (top) with a screw. (S-tapping screw M4x8: 1 pc.)



(7) Insert the Installation plate/3 pin, and secure it with a screw. (S-tapping screw M4x8: 1 pc.)



Note:

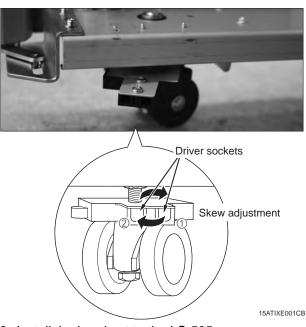
In case those screw holes height do not match to fix the installation plate/2 and the installation plate/3 by screw, adjust the height of LS-505 casters (4 parts) to mach those screw holes.

Every caster has ratchet mechanism.

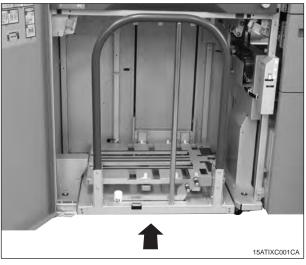
It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. ±5mm)

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



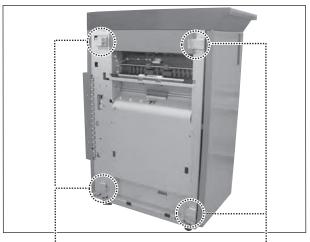
2. Install the handcart to the LS-505.

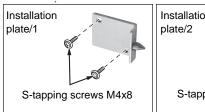


3. Close the front door of the LS-505.

Installation procedure for [LS-505+RU-508+EF-101+C8000]

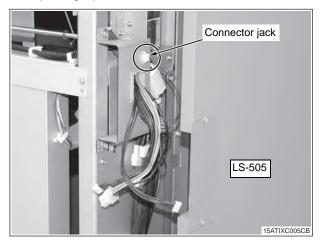
- * For the installation procedure for the RU-508, see the RU-508 installation manual.
- 1. Install LS-505 to the combination of RU-508.
 - Install the Installation plate/1 (2 places) and the Installation plate/2 (2 places) on the left side of RU-508 as below. (S-tapping screw M4x8: 8 pcs.)



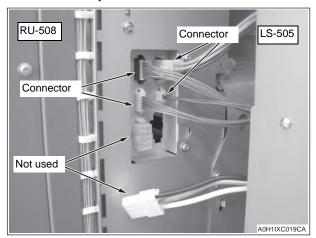




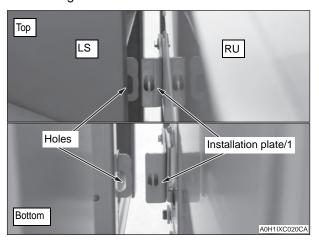
(2) Unplug the LS-505 connector shown in the photograph.



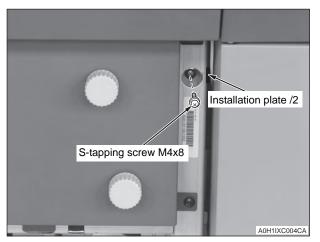
(3) Connect 4 connector plugs of LS-505 to the connector jacks on RU-508.



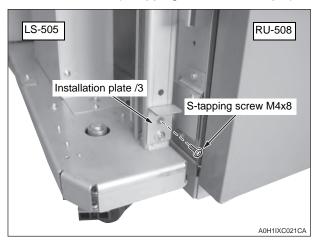
(4) Align the top and bottom holes of the LS unit to the Installation plate/1 pins, and lock them by sliding the LS unit to the back.



(5) Secure the LS-505 onto the Installation plate/2 (top) with a screw. (S-tapping screw M4x8: 1 pc.)



(6) Insert the Installation plate/3 pin, and secure it with a screw. (S-tapping screw M4x8: 1 pc.)



Note:

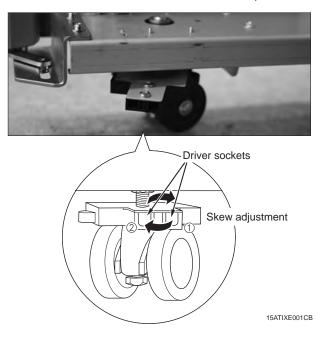
In case those screw holes height do not match to fix the installation plate/2 and the installation plate/3 by screw, adjust the height of LS-505 casters (4 parts) to mach those screw holes.

Every caster has ratchet mechanism.

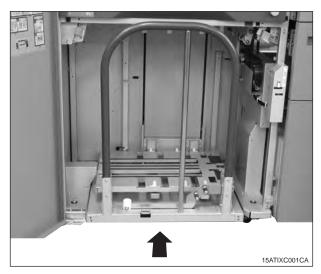
It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. ±5mm)

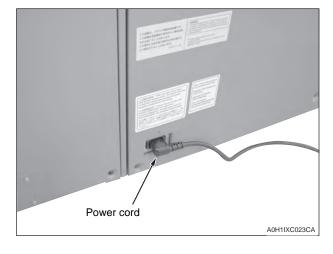
(Be sure the caster is contacting installation surface, otherwise the ratchet will not work.)



2. Install the handcart to the LS-505.



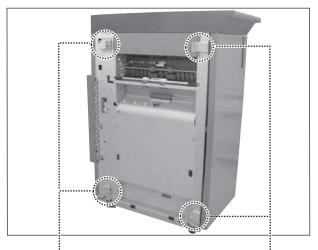
- 3. Close the front door of the LS-505.
- 4. Plug in the power cord.
 - (1) Remove the power cord cover of LS-505. (1 screw)
 - (2) Connect the power cord to the LS-505 and plug in the power cord. (Prepare separately:Bundled in the main body for some areas)

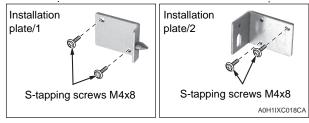


Installation procedure for [LS-505 + RU-509

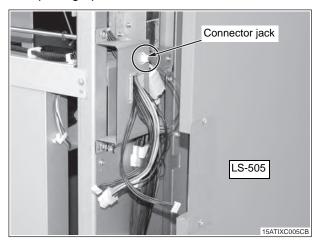
+C7000/C7000P/C6000/C70hc]

- * For the installation procedure for the RU-509, see the RU-509 installation manual.
- 1. Install LS-505 to the combination of RU-509.
 - Install the Installation plate/1 (2 places) and the Installation plate/2 (2 places) on the left side of RU-509 as below. (S-tapping screw M4x8: 8 pcs.)

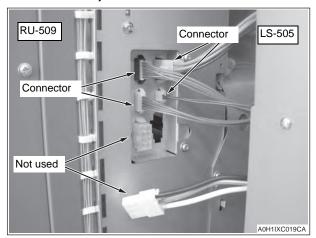




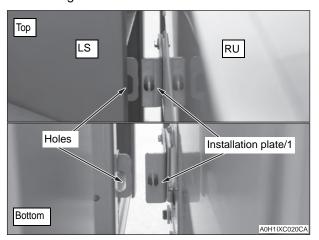
(2) Unplug the LS-505 connector shown in the photograph.



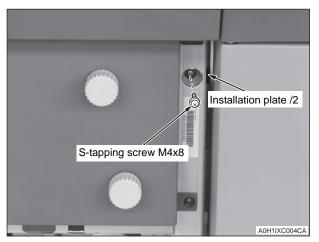
(3) Connect 4 connector plugs of LS-505 to the connector jacks on RU-509.



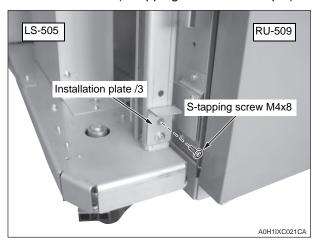
(4) Align the top and bottom holes of the LS unit to the Installation plate/1 pins, and lock them by sliding the LS unit to the back.



(5) Secure the LS-505 onto the Installation plate/2 (top) with a screw. (S-tapping screw M4x8: 1 pc.)



(6) Insert the Installation plate/3 pin, and secure it with a screw. (S-tapping screw M4x8: 1 pc.)



Note:

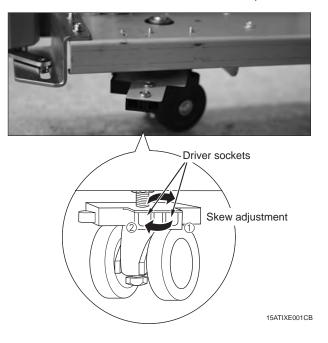
In case those screw holes height do not match to fix the installation plate/2 and the installation plate/3 by screw, adjust the height of LS-505 casters (4 parts) to mach those screw holes.

Every caster has ratchet mechanism.

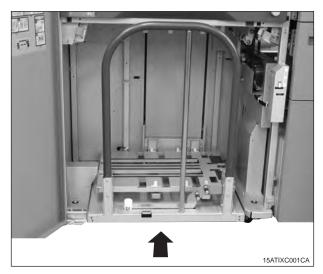
It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. ±5mm)

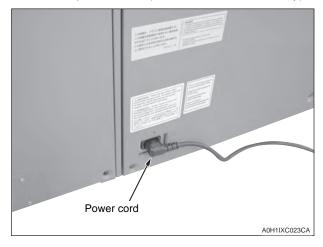
(Be sure the caster is contacting installation surface, otherwise the ratchet will not work.)



2. Install the handcart to the LS-505.



- 3. Close the front door of the LS-505.
- 4. Plug in the power cord.
 - (1) Remove the power cord cover of LS-505. (1 screw)
 - (2) Connect the power cord to the LS-505 and plug in the power cord. (Bundled in the main body)



Installation procedure for [LS-505 + LS-505 + MFP 120ppm(105ppm-2) series] [LS-505+LS-505+RU-508+EF-101+C 8000]

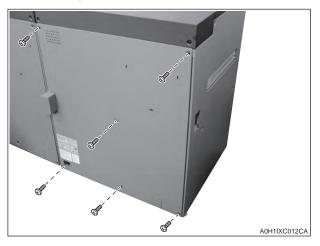
[LS-505+LS-505+RU-509

+C7000/C7000P/C6000/C70hc]

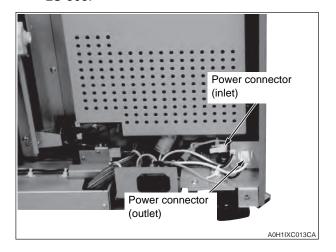
- * See Installation procedure for [LS-505 + Machine] for installation of the first LS-505 unit.
- MFP 120ppm(105ppm-2) series, see pages 8 12.
- C8000, see pages 12 14.
- C7000/C7000P/C6000/C70hc, see pages 14 16.

MFP 120ppm(105ppm-2) series only

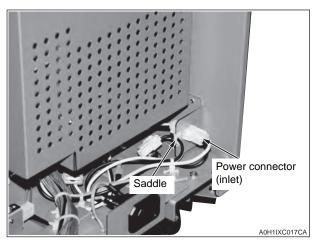
- 1. Change the connection of the power connector.
- (1) Remove the back cover of the first LS-505. (6 screws)



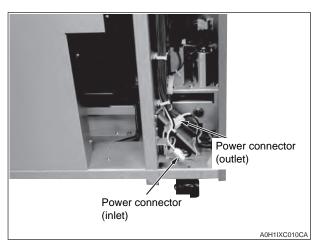
(2) Unplug the outlet power connector of the first LS-505.



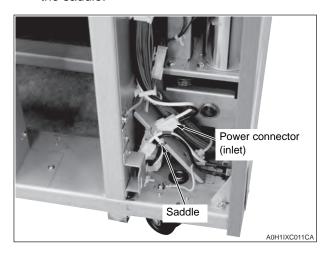
(3) Plug in the inlet power connector of the first LS-505 and set the outlet power connector in the saddle.



(4) Unplug the outlet power connector (red band) of the second LS-505.

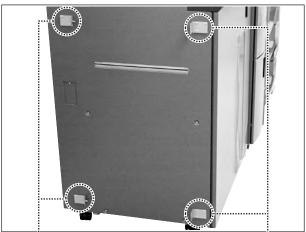


(5) Plug in the inlet power connector of the second LS-505 and set the outlet power connector in the saddle.



[MFP 120ppm(105ppm-2) series/C8000/C7000/C7000P/C6000/C70hc] Common operations

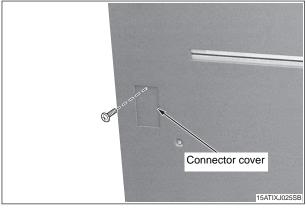
- 1. Install the second LS-505 unit to the combination of the LS-505.
 - (1) Install the Installation plate/1 (2 places) and the Installation plate/2 (2 places) on the left side of the first LS-505 as below. (S-tapping screw M4x8: 8 pcs.)



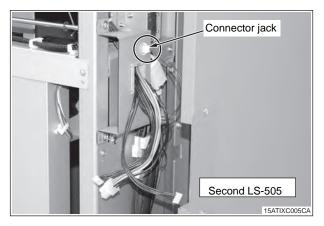




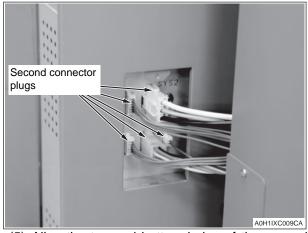
(2) Remove the connector cover on the left side of the first LS-505 (1 screw).



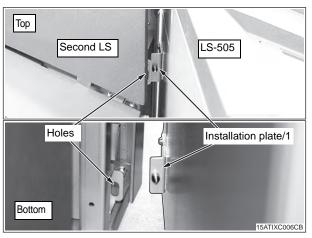
(3) Unplug the second LS-505 connector shown in the photograph.



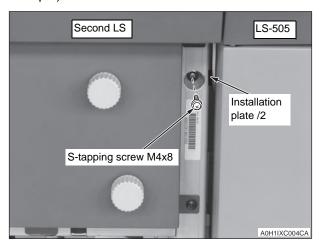
(4) Connect the 5 connector plugs of the second unit of the LS-505 to the connector jacks on the first unit.



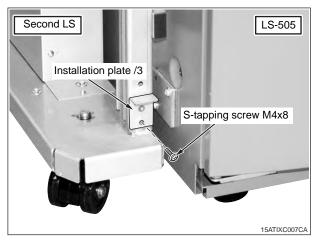
(5) Align the top and bottom holes of the second LS unit to the Installation plate/1 pins, and lock them by sliding the second LS to the back.



(6) Secure the LS-505 onto the Installation plate/2 (top) with a screw. (S-tapping screw M4x8: 1 pc.)



(7) Insert the Installation plate/3 pin, and secure it with a screw. (S-tapping screw M4x8: 1 pc.)



Note:

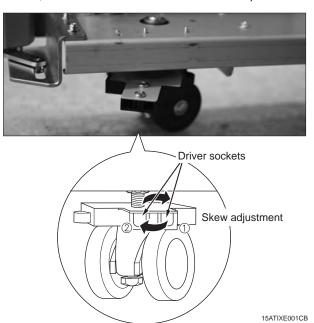
In case those screw holes height do not match to fix the installation plate/2 and the installation plate/3 by screw, adjust the height of LS-505 casters (4 parts) to mach those screw holes.

Every caster has ratchet mechanism.

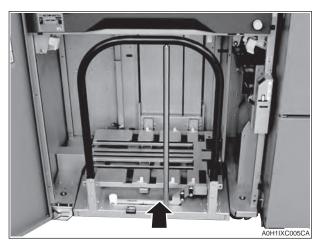
It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. ±5mm)

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



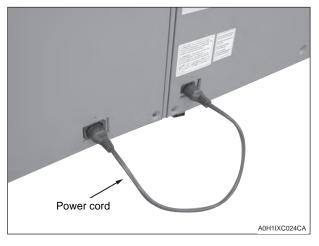
2. Install the handcart to the LS-505.



- 3. Close the front door of the LS-505.
- 4. Plug in the power cord.

(C8000/C7000/C7000P/C6000/C70hc only)

- (1) Remove the covers of the 1st tandem and the 2nd tandem.
- (2) Connect the power source connector.



Installation procedure for [LS-505 + FD-503 + RU-504

+ COLOR MFP 65ppm series]

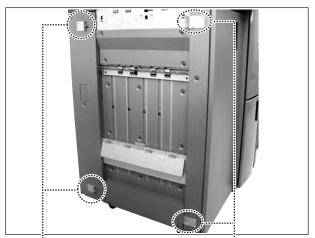
[LS-505 + FD-503

+ MFP 120ppm(105ppm-2) series]

[LS-505 + FD-503 +RU508+EF+101+ C8000]

[LS-505 + FD-503 +RU509

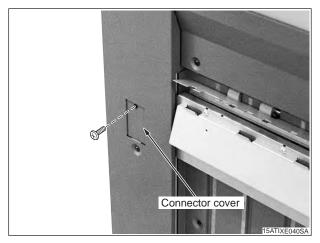
- + C7000/C7000P/C6000/C70hc]
- * For the installation procedure for the RU-504/508/509, see the RU-504/508/509 installation manual.
- 1. Turn the machine's Sub and Main switches OFF, and unplug the power cord.
- Install the Installation plate/1 (2 places) and the Installation plate/2 (2 places) on the left side of the FD-503 as below. (S-tapping screw M4x8: 8 pcs.)



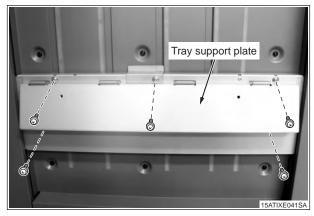




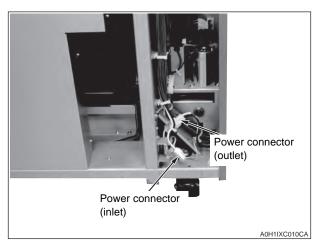
Remove the connector cover on the left side of the FD-503 (1 screw).



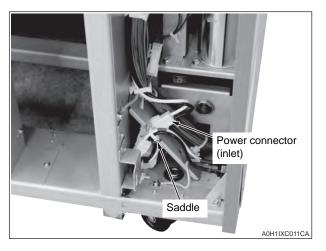
4. Remove the tray support plate (5 screws).



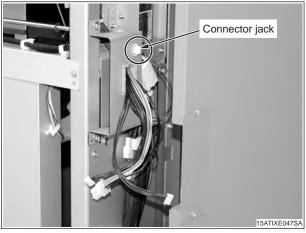
- 5. Change the connection of the power connector on LS-505.
 - (In case of MFP 120ppm(105ppm-2) series)
 - (1) Unplug the outlet power connector (red band).



(2) Plug in the inlet power connector and set the outlet power connector in the saddle.



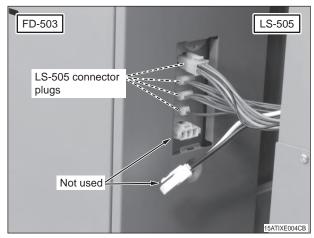
- 6. Install the LS-505 to the FD-503.
 - (1) Unplug the LS-505 connector shown in the photograph.



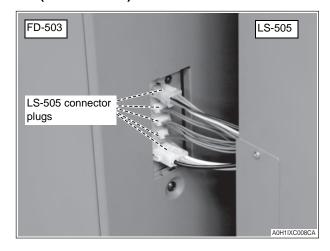
- (2) Connect the connector plugs of the LS-505 to the connector jacks on the FD-503.
- a. In case of COLOR MFP 65ppm series/C8000/ C7000/C7000P/C6000/C70hc (4 connectors)

Note

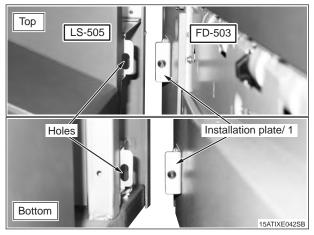
Not used pointed connectors by arrows.



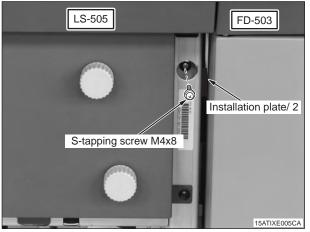
b. In case of MFP 120ppm(105ppm-2) series (5 connectors)



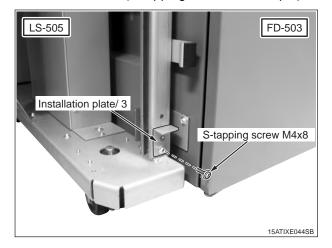
(3) Align the top and bottom holes of the LS-505 to the Installation plate/1 pins, and lock them by sliding the LS-505 to the back.



(4) Secure the LS-505 onto the Installation plate/2 (top) with a screw. (S-tapping screw M4x8: 1 pc.)



(5) Insert the Installation plate/3 pin, and secure it with a screw. (S-tapping screw M4x8: 1 pc.)



Note:

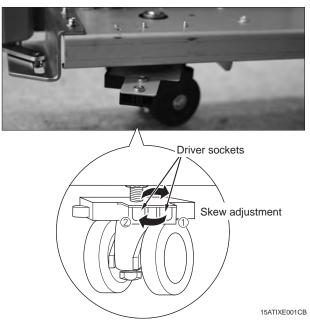
In case those screw holes height do not match to fix the installation plate/2 and the installation plate/3 by screw, adjust the height of LS-505 casters (4 parts) to mach those screw holes.

Every caster has ratchet mechanism.

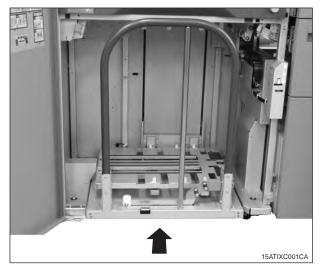
It goes up with reciprocating the driver into the whole 1, and it goes down with reciprocating the driver into the whole 2.

Be sure not to go it up too much, otherwise the bolt would come off. (max. ±5mm)

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



7. Install the handcart to the LS-505.

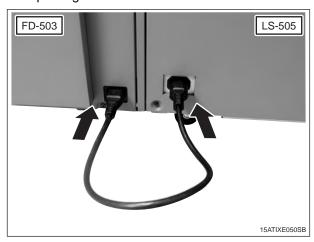


8. Close the front door of the LS-505.

9. Plug in the power cord.

(In case of COLOR MFP 65ppm series/C8000/ C7000/C7000P/C6000/C70hc)

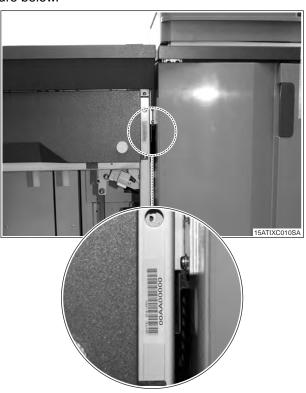
- (1) Remove the power cord cover on the FD-503 (1 screw) and the LS-505 (2 screws).
- (2) Connect the relay power cord included in the package to the FD-503 and the LS-505.



VI. Serial Number Registration

Register the serial number of the LS-505 that has been installed to the machine.

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



[COLOR MFP 65ppm 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.	[Service Mode Menu screen] Touch "System Setting".	
4.	[System Setting Menu screen] Touch "M/C Serial Number Setting".	
5.	Touch the finisher No. key according to the place where it was installed to display the Serial number entry screen. * Machine + LS-505: Finisher 1 Machine + FD-503 + LS-505: Finisher 2	
6.	Enter the serial number of the LS-505 and touch "OK". (Use "Shift" to switch between upper case letters and lower case letters.)	
7.	Touch "Return" on the serial number list screen.	

[MFP 120ppm (105ppm-2) series]

[IVII F	120ppiii (105ppiii-2) seriesj
	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 the "System Setting" key.
4.	Touch the "M/C Serial Number Setting" key.
5.	Touch the "Finisher" key to display the serial number setting screen. (Select the installation order key.)
6.	Enter the serial number of the LS-505 and touch the "OK" key. (Use the "Shift" key to switch between upper case letters and lower case letters.)
7.	Touch the "OK" key on the serial number list

[C8000/C7000/C7000P/C6000/C70hc]

screen.

	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 the "System Setting" key.	
4.	Touch the "Serial Number Setting" key.	
5.	Touch the "Finisher" key to display the serial number setting screen. (Select the installation order key.)	
6.	Enter the serial number of the LS-505 and touch the "OK" key. (Use the "Shift" key to switch between upper case letters and lower case letters.)	
7.	Touch the "Return" key.	