

HM-102 Humidification Kit









INSTALLATION MANUAL









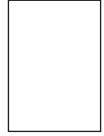
Applied Machine:RU-509

I.Precaution

For the better working efficiency, install the HM-102 prior to installing the RU-509.

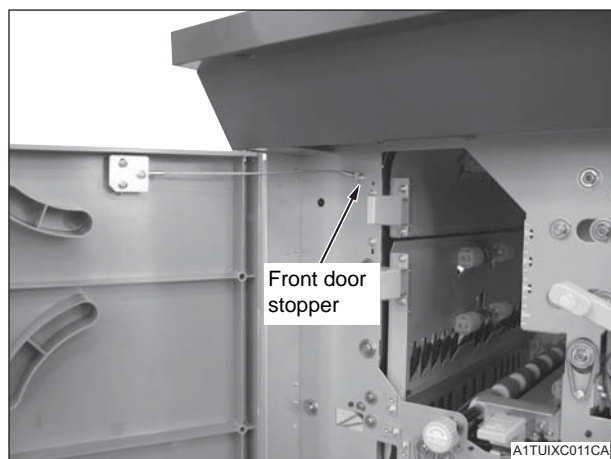
II.Accessory parts

No.	Name	Shape	Q'ty
1.	Humidification unit	 A2A3IXC001CA	1
2.	Tank mounting rail /1 (long)	 A1TUIXC003CA	2
3.	Tank mounting rail /2 (short)	 A2A3IXC002CA	2
4.	Water tank	 A1TUIXC010CA	1
5.	Tank tray	 A1TUIXC009CA	1
6.	Tank wiring harness	 A1TUIXC005CA	1
7.	Tank stopper	 A1TUIXC006CA	1
8.	Humidification unit stopper	 A2A3IXC003CA	1

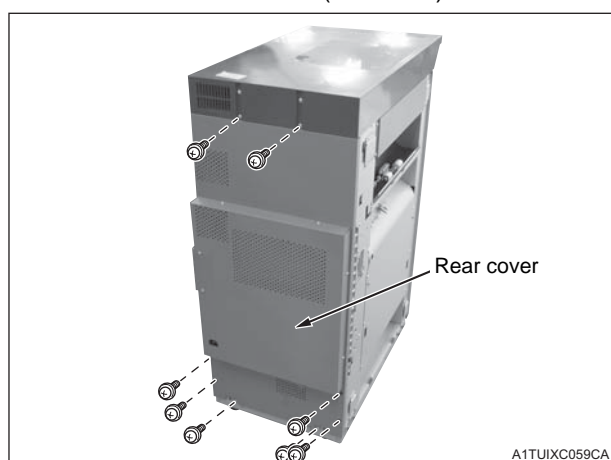
No.	Name	Shape	Q'ty
9.	Photo sensor	 A1TUIXC007CA	1
10.	Clamp/1	 A1RGIXC042CA	2
11.	Clamp/2	 A2A3IXC004CA	4
12.	TP screw M3x6		9
13.	TP screw M4x6		9
14.	Bind screw M4x4		4
15.	Bind screw M4x6		4
16.	Sems II screw M3x6		1
17.	Installation manual		1

III. Installation Procedure

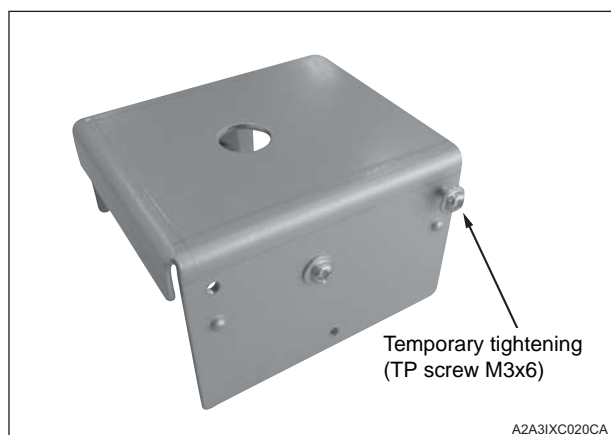
1. Open the front door.
2. Release the front door stopper. (1 screw)



3. Remove the rear cover. (8 screws)



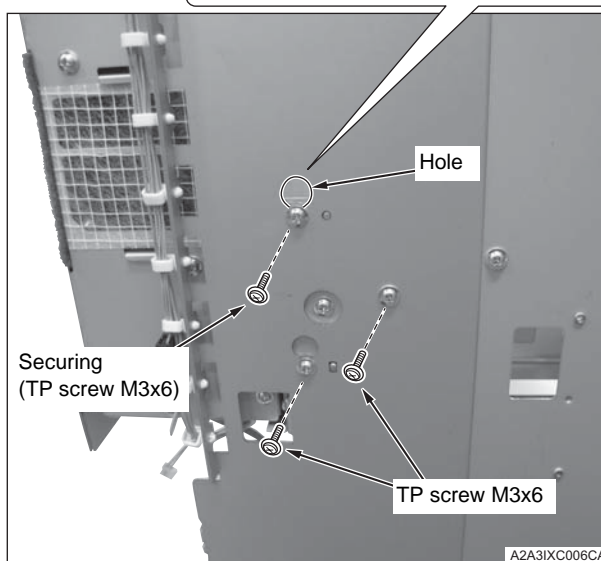
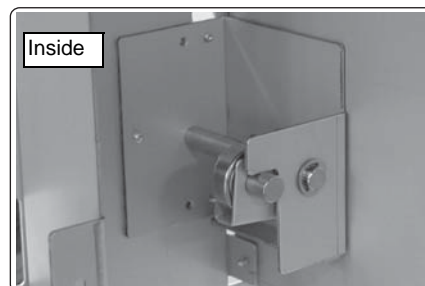
4. Install the humidification unit stopper.
(1) Temporarily tighten the screw on the humidification unit stopper. (TP screw M3x6: 1)



- (2) Install the humidification unit stopper.

Note:

Set the screw that have been temporarily tightened in step 1 into the hole shown in the picture and align the projection of the stopper, and then tighten it. Then tighten another 2 screws. (TP screw M3x6: 2)

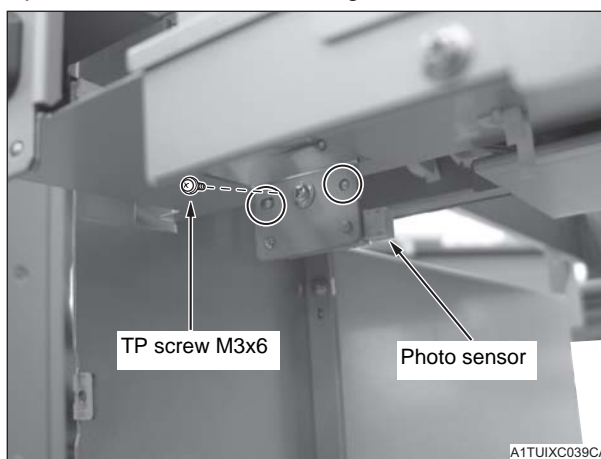


5. Install the water tank.

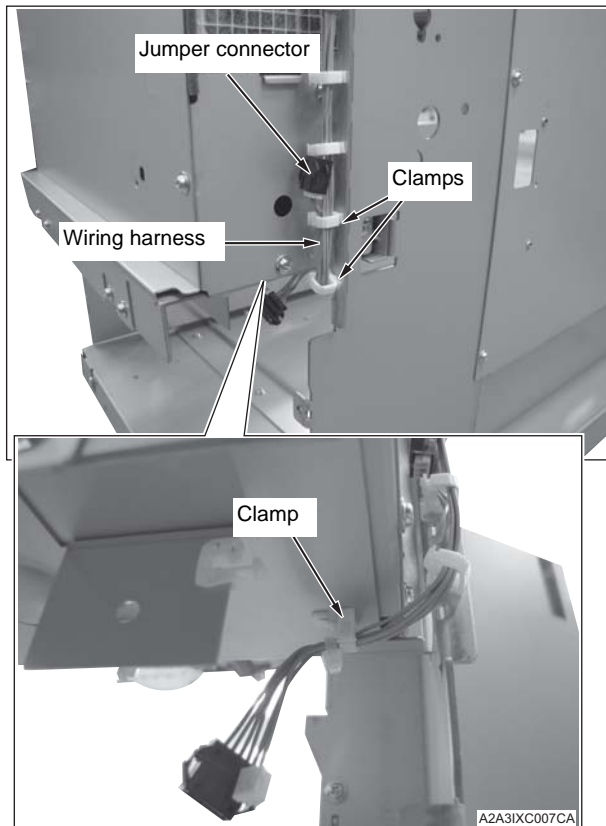
- (1) Install the photo sensor. (TP screw M3x6: 1)

Note:

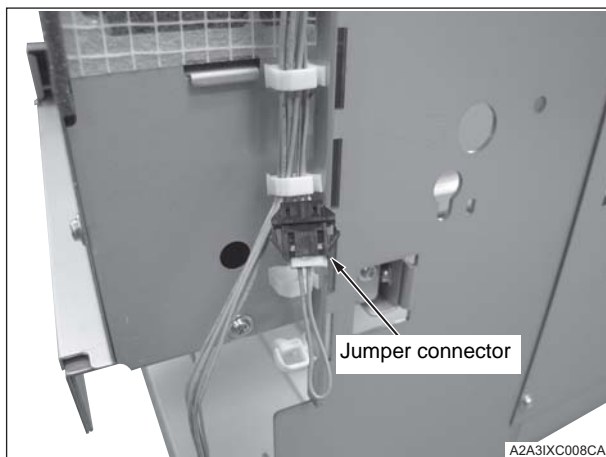
Be sure to set the projection in the hole of the photo sensor when installing.



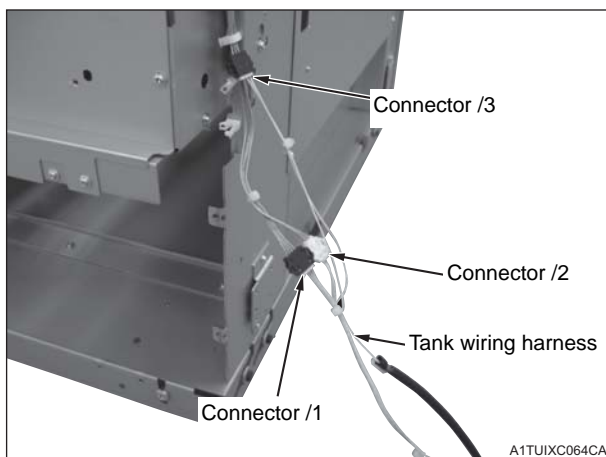
- (2) Remove the jumper connector and the wiring harness from 3 clamps.



- (3) Remove the jumper connector.



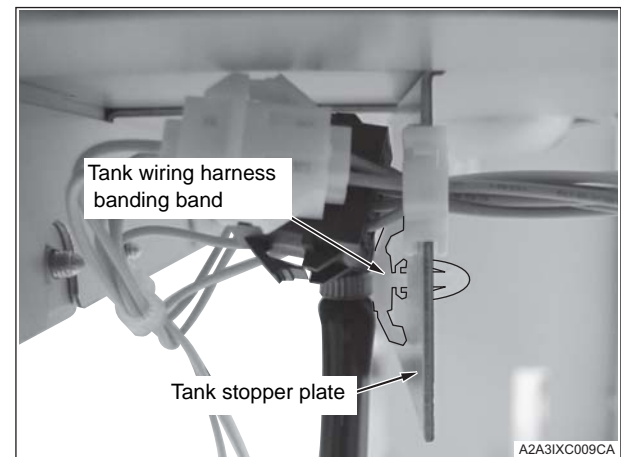
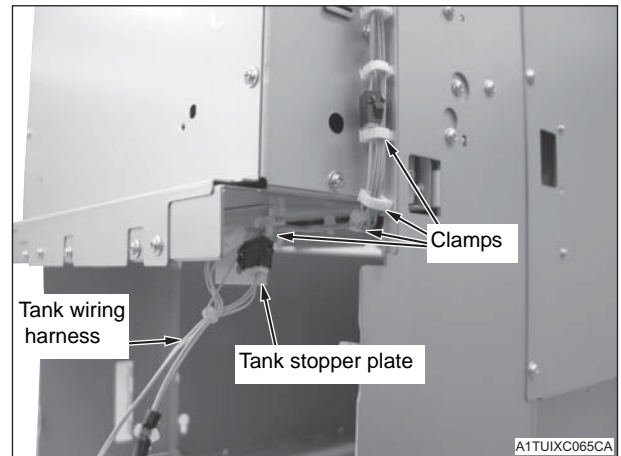
- (4) Connect the connectors /1,/2 and /3 of the tank wiring harness.



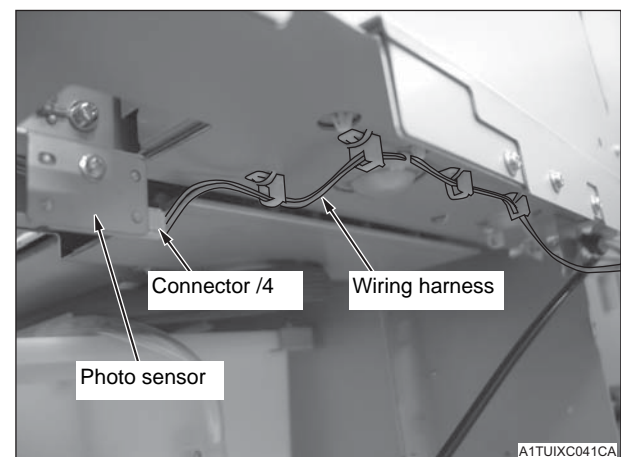
- (5) Set the wiring harness in the clamps, and then insert the banding band of the tank wiring harness to the tank stopper plate.

Note:

Set it to the position shown in the picture so that the connector section does not hit the tank.



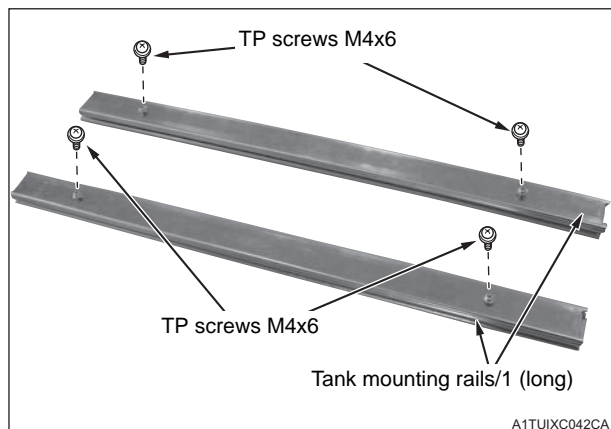
- (6) Connect the connector /4 of the tank wiring harness to the photo sensor, and set the wiring harness as shown in the picture.



(7) Temporarily tighten the screw on the tank mounting rails (long) on the right and left. (TP screw M4x6: 4)

Note:

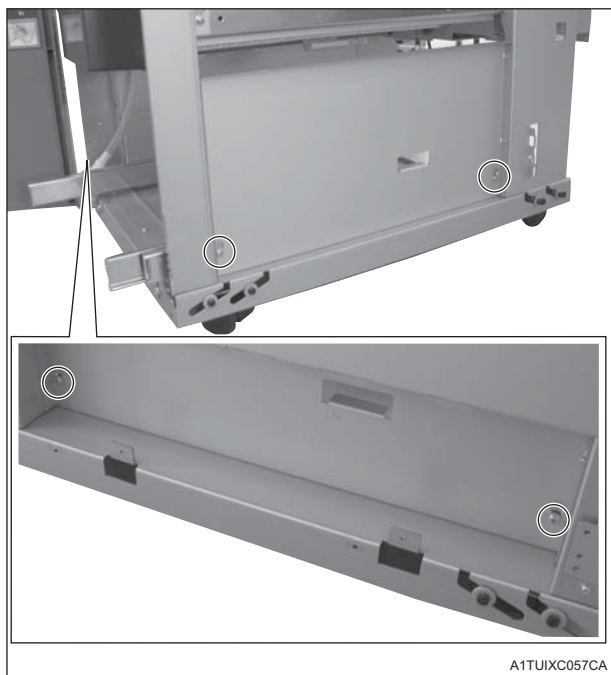
Tighten the screws on the side where the interval between screw holes is equal.



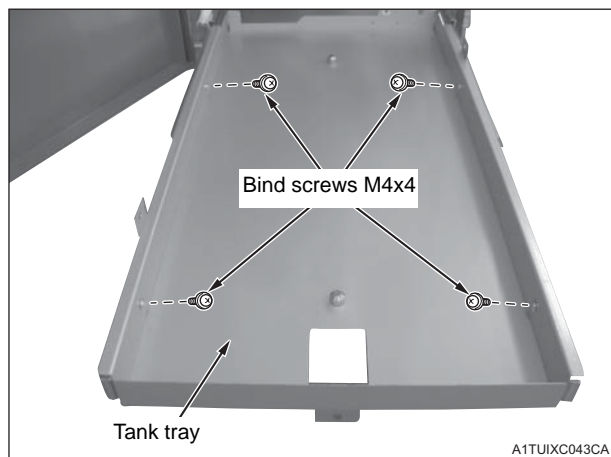
(8) Install the tank mounting rails/1 (long). (2 each on right and left)

Note:

Install the rails by sliding it to the front side.



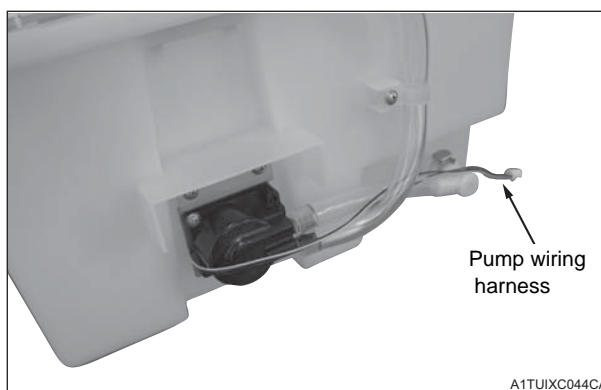
(9) Set and install the tank tray to the tank mounting rails/1 (long). (Bind screw M4x4: 4)



(10) Set the tank.

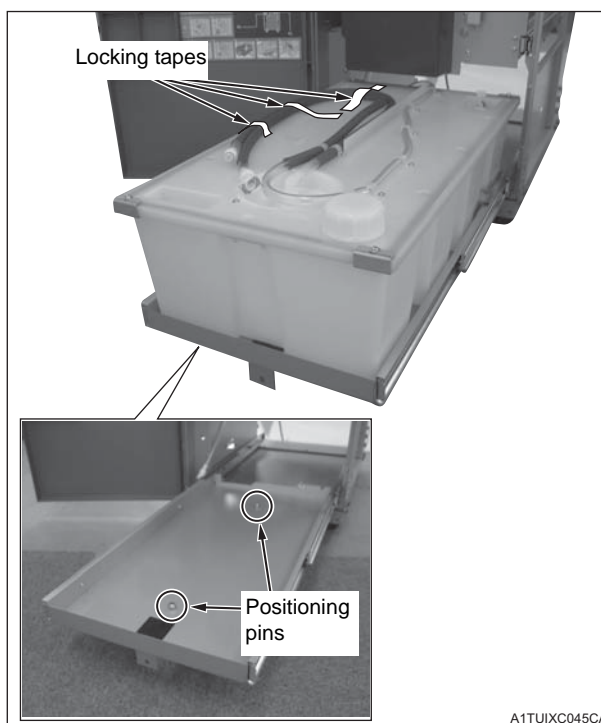
Note:

Before putting the pump on the tank, set the pump wiring harness as shown in the picture.

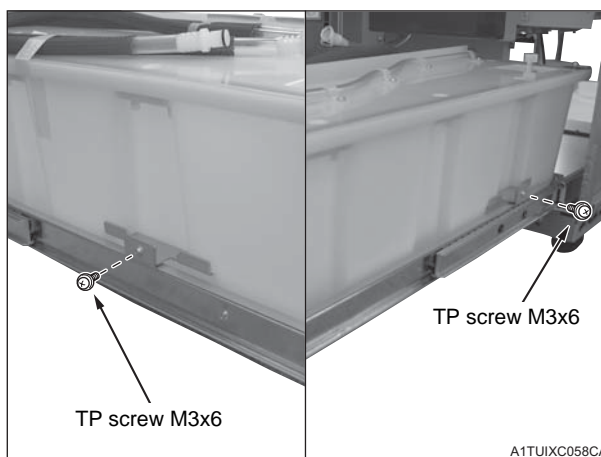


Note:

- Set the tank to the positioning pin of the tank.
- Be sure to remove the locking tape from the hose.



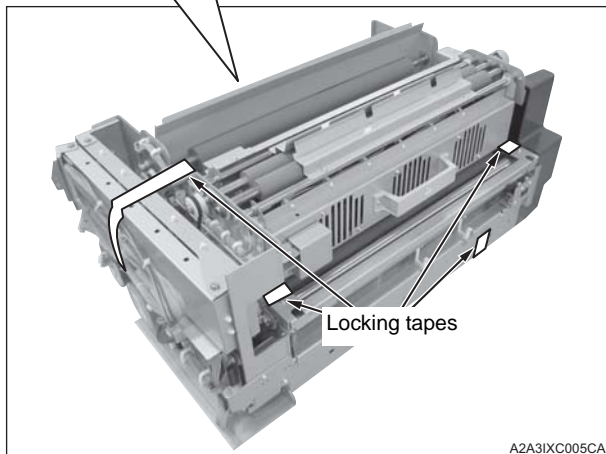
(11) Fix the tank with the screws on both sides. (TP screw M3x6: 2)



(12) Set the tank unit.

6. Install the humidification unit.

- (1) Remove the locking tapes from the humidification unit.

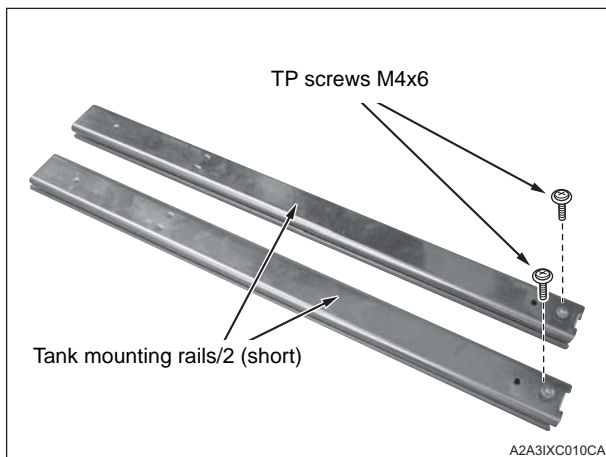


A2A3IXC005CA

- (2) Tighten the screws on the tank mounting rails/2(short) temporarily. (TP screw M4x6: 2)

Note:

Tighten the screws on the side where the interval between screw holes is equal.



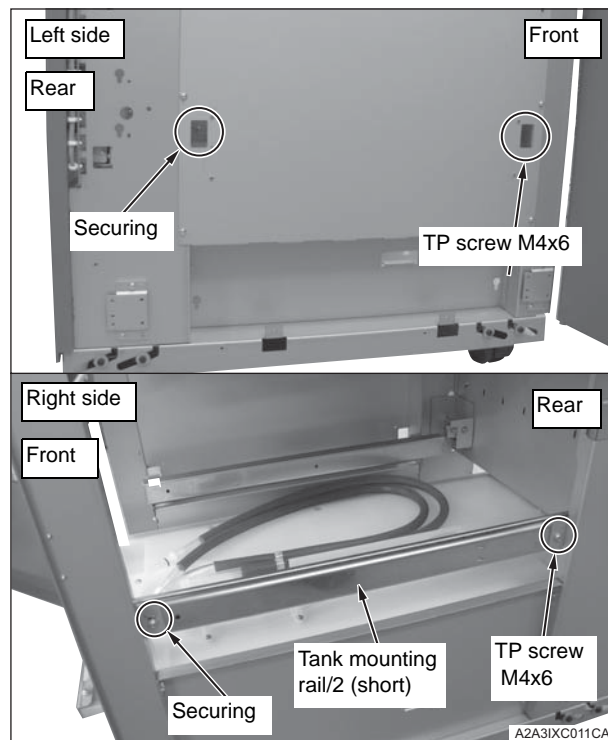
A2A3IXC010CA

- (3) Install the tank mounting rail/2 (short). (2 each on right and left)

Hold the rear side with the screw and tighten the front side screws. (TP screw M4x6: 2)

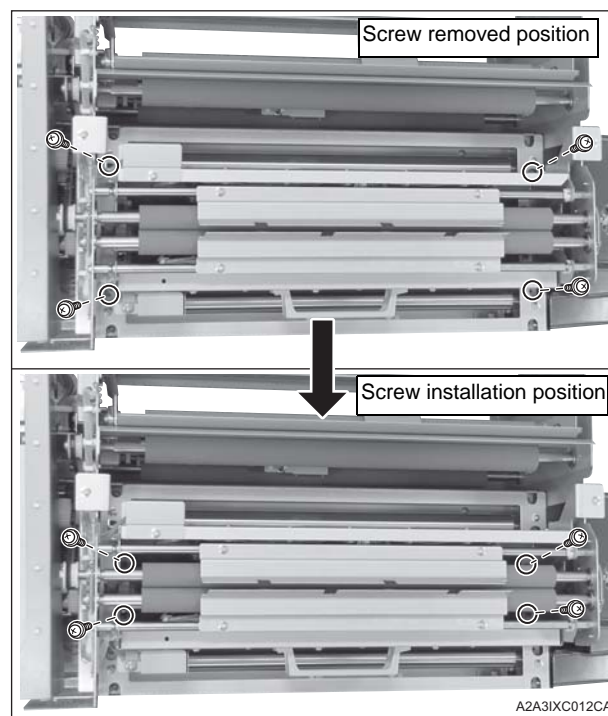
Note:

Install the rail by sliding it to the front side.



A2A3IXC011CA

- (4) Remove 4 roller pressure screws (black) of the humidification roller and reinstall them to the position shown in the picture.

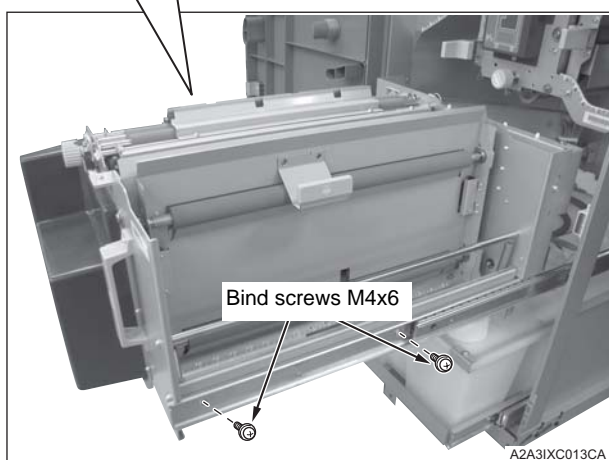
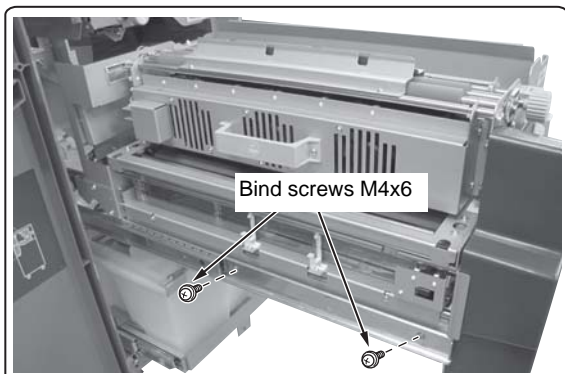


A2A3IXC012CA

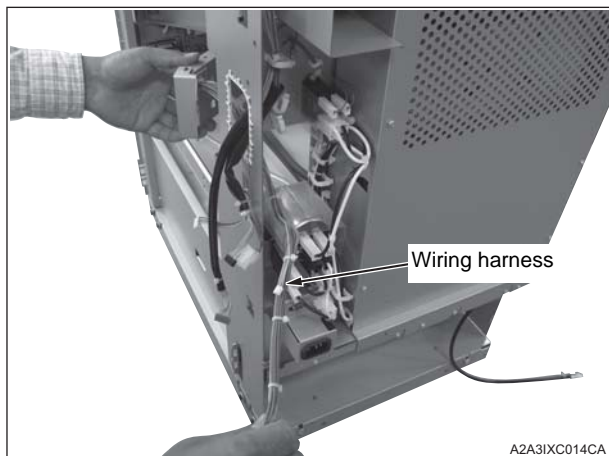
- (5) Pull out the rail fully and set the humidification unit, and then install it with the screws. (Bind screw M4x6: 4)

Caution:

- When setting, make sure to work with an adequate number of persons.
- Be careful not to drop the humidification unit.



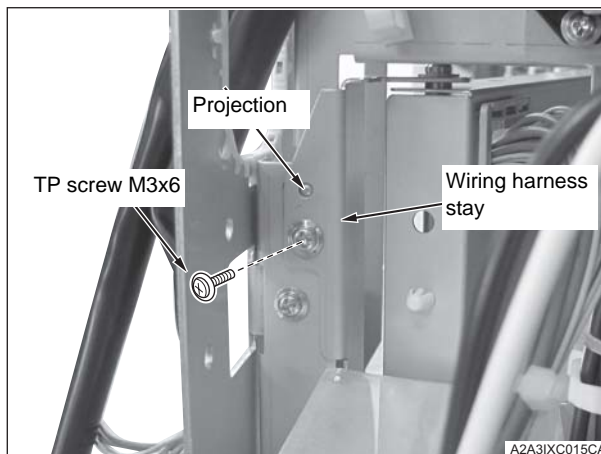
- (6) Pull out the wiring harness shown in the picture.



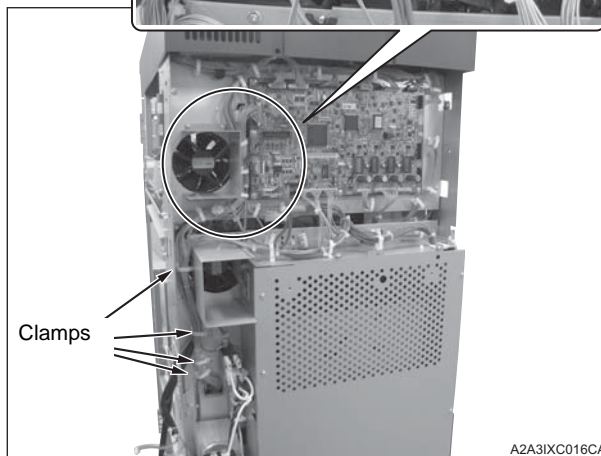
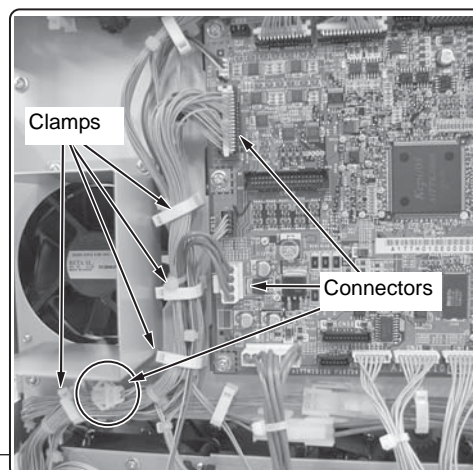
- (7) Install the wiring harness stay.
(TP screw M3x6: 1)

Note:

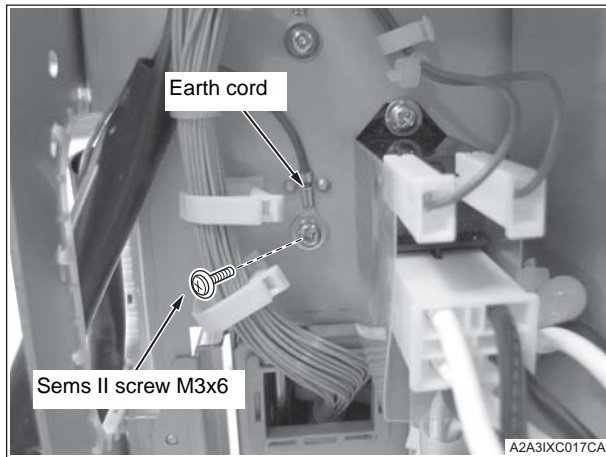
When installing, make sure to set the projection in the hole of the wiring harness stay.



- (8) Connect 3 connectors and set the wiring harness in 8 clamps.

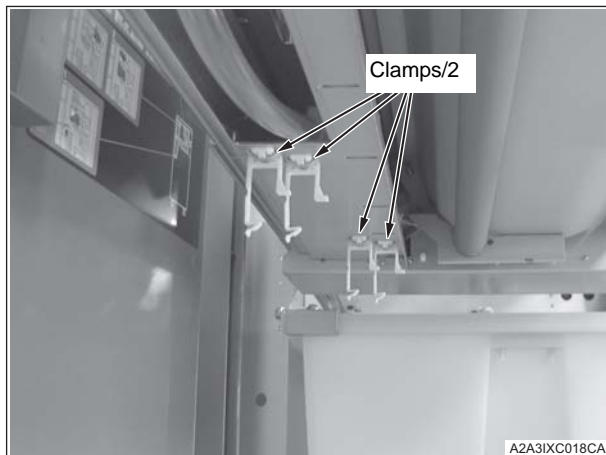


- (9) Install the earth cord. (Sems II screw M3x6: 1)

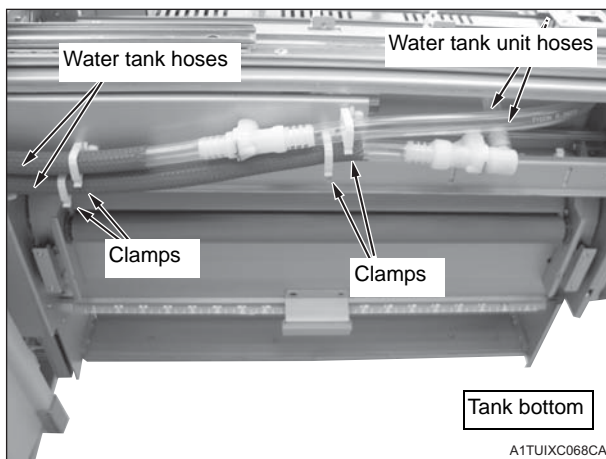


7. Install the hose.

- (1) Install the clamps/2 to the bottom surface of the humidification unit. (4 points)

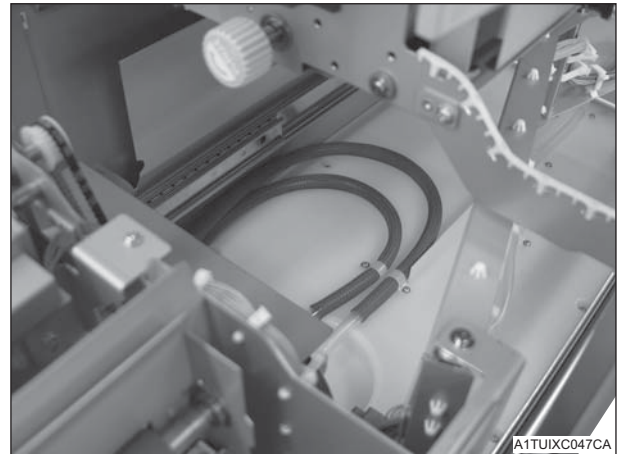


- (2) Pull out the humidification unit, and connect the hose of the water tank unit with the hose of the water tank. Then, set the hose in the clamps. (4 clamps)



Note:

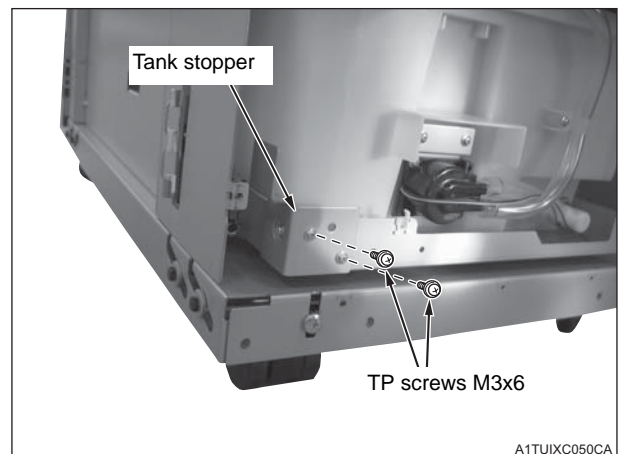
Set the hose as shown in the picture when setting the tank unit.



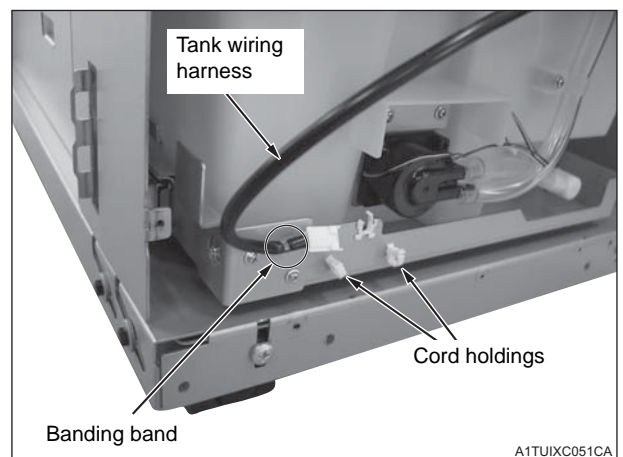
- (3) Set back the humidification unit.

8. Set the connector of the water tank.

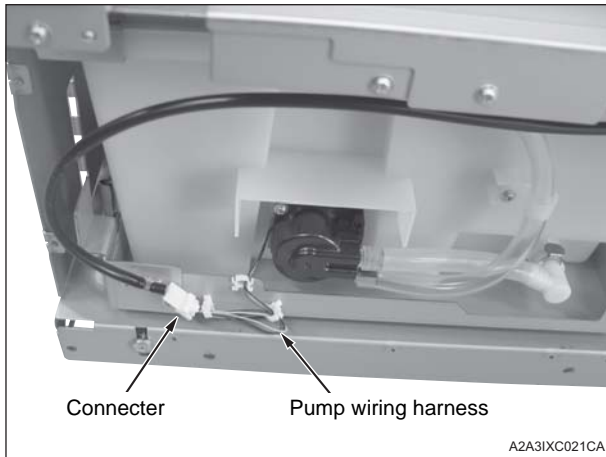
- (1) Fix the tank stopper with the screws. (TP screw M3x6: 2)



- (2) Insert 2 cord holdings, and set the banding band of the tank wiring harness on the rear of the tank stopper to fix.



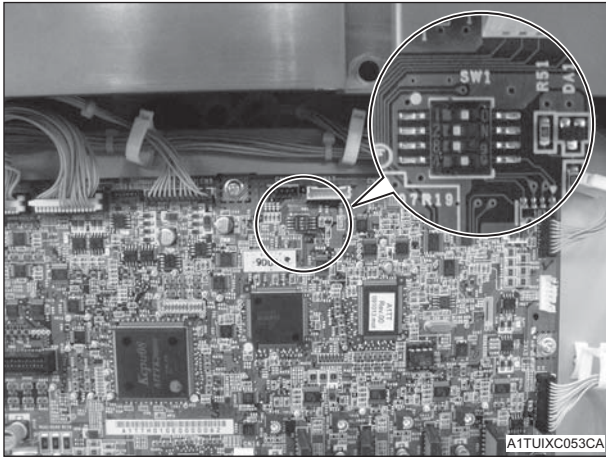
- (3) Connect the connector of the pump wiring harness to the tank wiring harness, and set the wiring harness as shown in the picture.



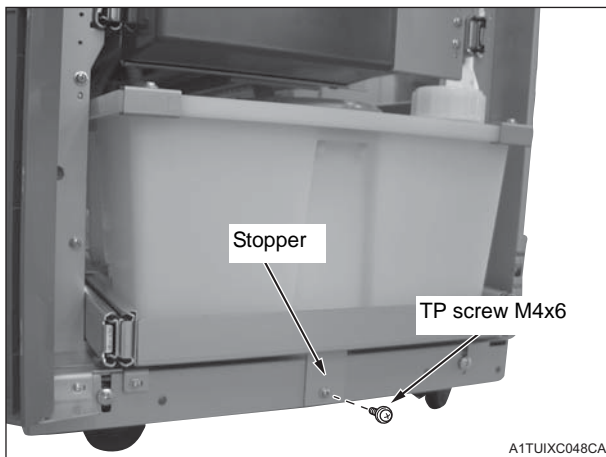
- (4) Set DIPSW1-4 to ON.

Note:

Do not touch other switches.



- (5) Reinstall the rear cover. (8 screws)
(6) Fix the stopper of the tank. (TP screw M4x6: 1)



- (7) Reinstall the front door stopper and close the front door.

9. Feed water in the tank. Then, operate the pump for 90 seconds in the service mode to feed water in the water tank unit.

Step	
1.	Plug the power cords of the main body and the RU-509 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.	On the Service mode menu screen, touch "State Confirmation".
4.	Touch "I/O Check Mode".
5.	Enter "69" using the quantity setting buttons, touch the "High/Low" key, and then enter "34." Make sure that <69-34> appears on the message display.
6.	Press the [Start] key. Operate the pump for 90 seconds, and then touch [stop] key. Make sure that <OUT:FIN> appears on the message display .
7.	Touch the "Return" key, then touch the "Exit" key.