

# Pump Replacement Kit Replacement Guide

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## Important!

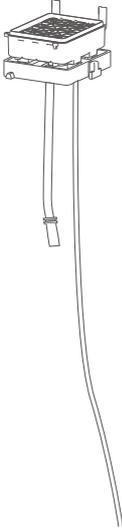
This procedure must be performed by trained service personnel only.

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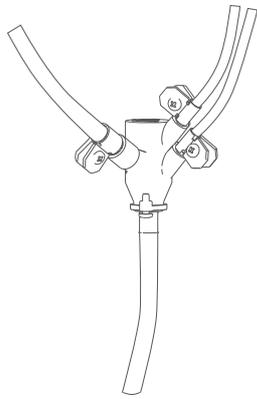
## Unpacking

Check that the following items are included in the box.

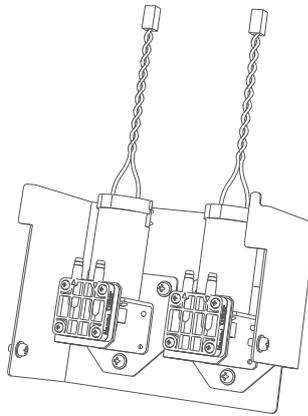
(1)



(2)



(3)



- (1) Replacement head cap : 2
- (2) Replacement waste ink fitting : 1
- (3) Replacement suction pump base unit : 1

## Preparations

You will need the following tools for replacement:

- phillips-head screwdriver
- tweezers

### **Caution**

Cautions for installation/removal of tubes

- Wear protective gloves.
- Ink residue remains in each tube. Cover the floor and inside the printer with waste cloth or waste media to avoid getting dirty during replacement.

## Replacement Procedure

Follow these steps.

### Note

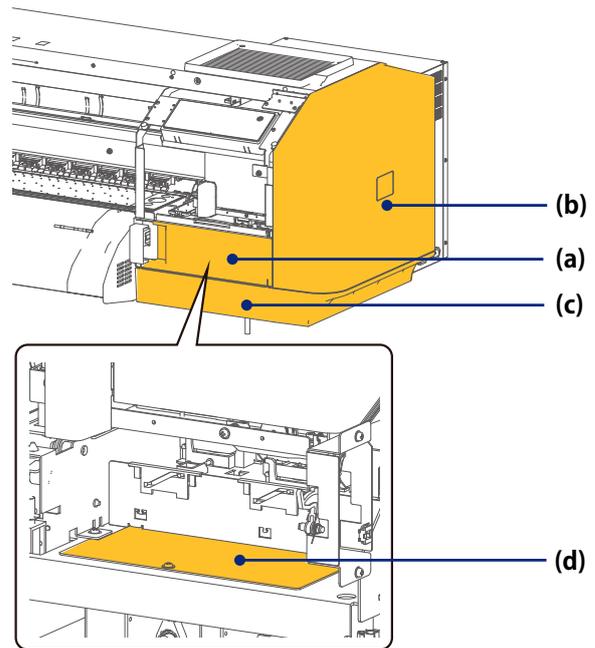
For more details of removal/installation procedures of each part, see the Maintenance Manual.

## 1. Removing the head cap

# 1

Remove the following covers:

- Maintenance cover R (a)
- Side cover R (b)
- Bottom cover R (c)
- Pump cover plate (d)



# 2

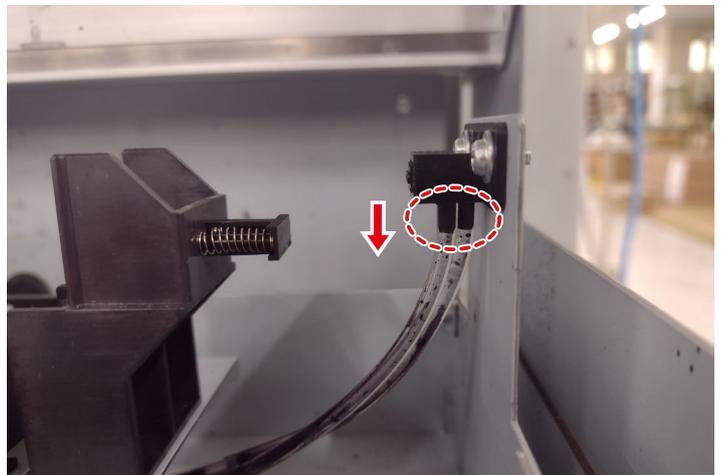
Move the carriage to the left side.

# 3

Remove the tubes (x2) from the open air valve.

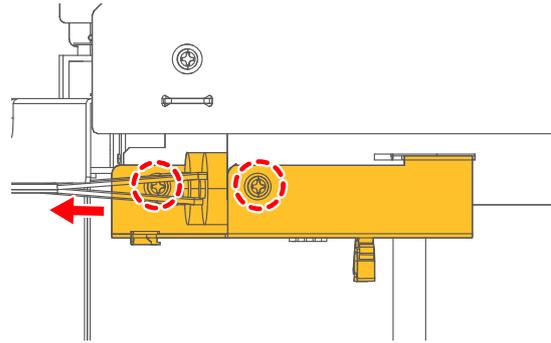
### Note

Use the tweezers to remove them.



**4** Remove the screws securing the pump base unit and then slide the pump unit towards the front.

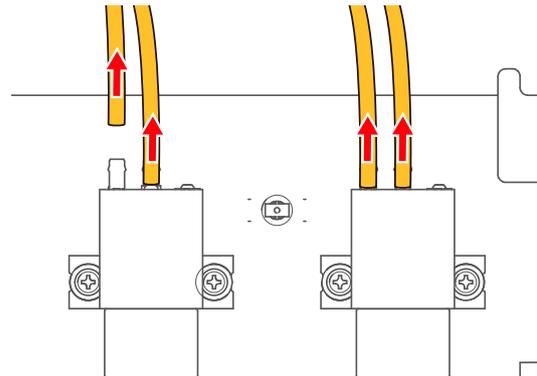
[Screw with washer and spring\_M4x8 (x2)]



**5** Remove the tubes from the pump.

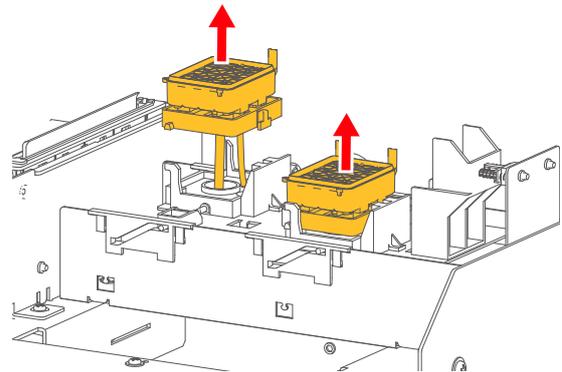
**Note**

Use the tweezers to remove them.



**6** Remove the head cap.

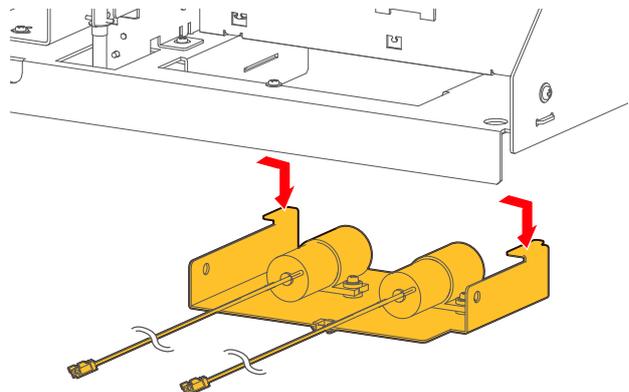
**Maintenance Manual**



## 2. Removing the pump base unit

**1** Remove the pump base unit.

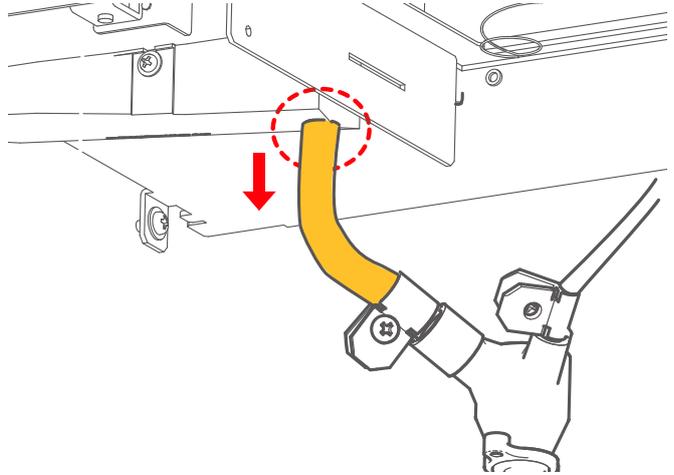
- Remove the pump cable from the relay cable.
- Remove the pump base unit.



### 3. Removing the waste ink fitting

1

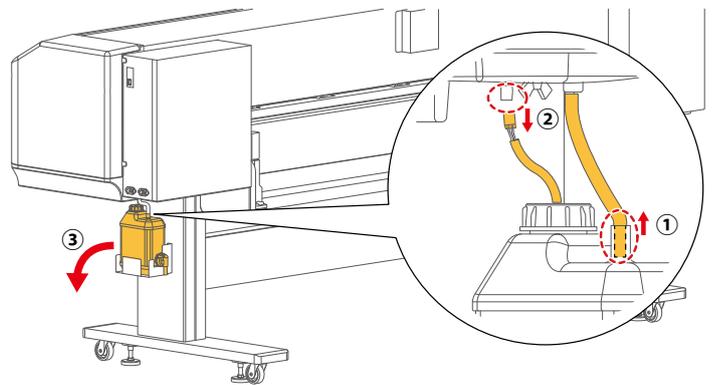
Remove the tube of the waste ink fitting from the drain outlet of the waste ink tray.



2

Remove the waste ink tank.

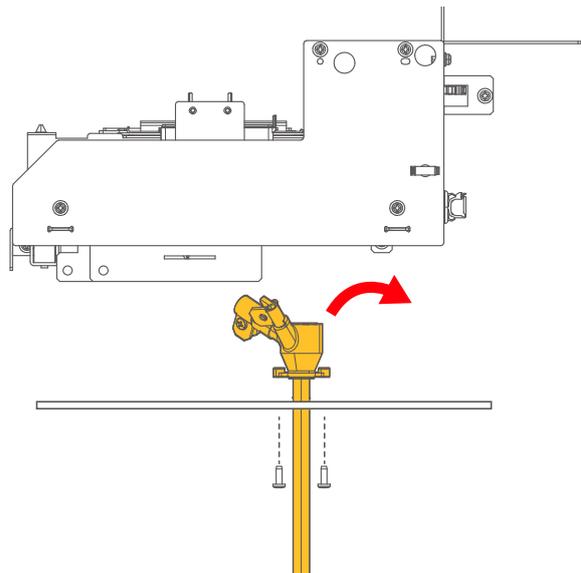
- Remove the waste ink tube from the waste ink tank (①).
- Remove the waste ink sensor cable (②).
- Remove the waste ink tank from the tank holder (③).



3

Remove the screws and then remove the waste ink fitting.

[P Tight Bind M4 x 12 (x2)]

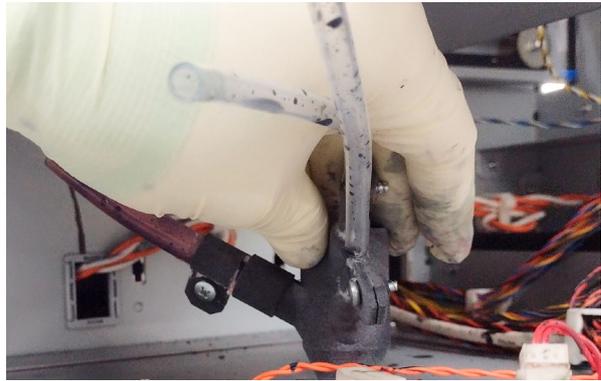


## 4. Attaching the replacement waste ink fitting

1

Attach the replacement waste ink fitting.

- From the rear side of the printer, secure it with screws.  
[P Tight Bind M4 x 12 (x2)]

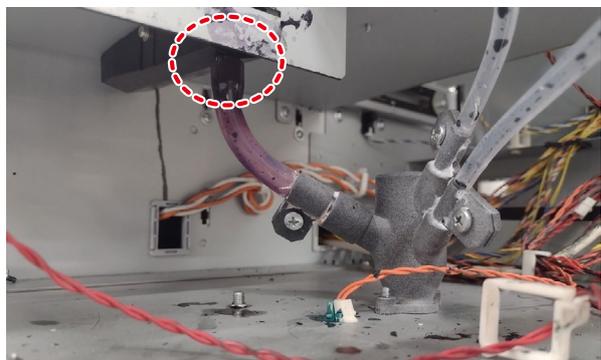


2

Connect the tube to the drain outlet of the waste ink tray.

**Important!**

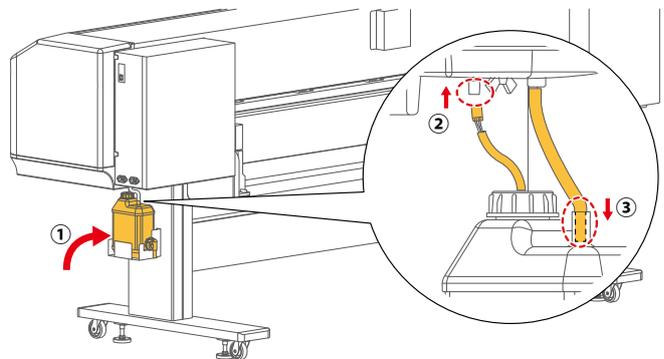
- Firmly insert the tube to the drain outlet.
- Once connected, make sure that the tube is not bent or twisted.



3

Attach the waste ink tank.

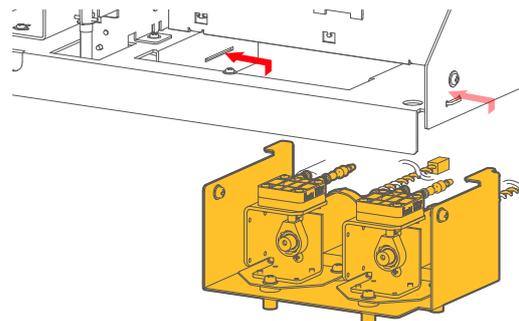
- Place the waste ink tank on the tank holder (①).
- Connect the waste ink sensor cable (②).
- Insert the waste ink tube into the waste ink tank (③).



## 5. Attaching the replacement pump base unit

1

Attaching the replacement pump base unit.



2

Connect the pump cable to the relay cable.

**Important!**

Check the cable markers attached to the relay cable and connect the cables for PUMP 1 and PUMP 2 correctly.



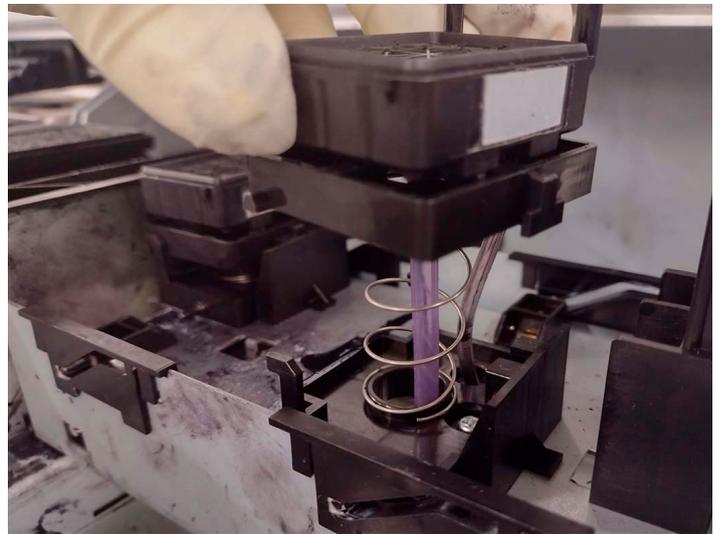
## 6. Installing the replacement head cap

1

Install the replacement head cap.

- Attach the spring to the head cap and the cap slider.
- Pass each tube through each hole of the cap slider.
- While pushing the head cap, hook it to the hook on the cap slider to install.

**Maintenance Manual**



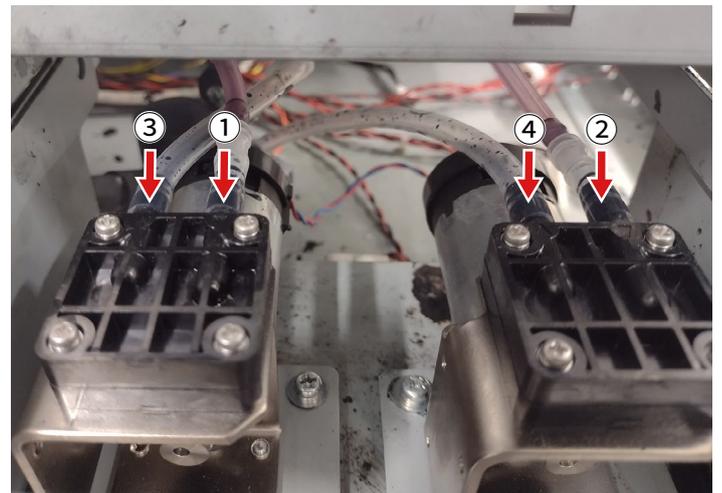
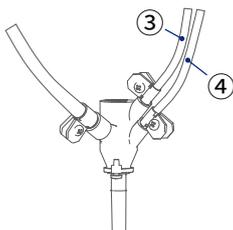
2

Connect each tube to the pump.

- For head 1 cap ( ① )
- For head 2 cap ( ② )
- For waste ink fitting ( ③ )
- For waste ink fitting ( ④ )

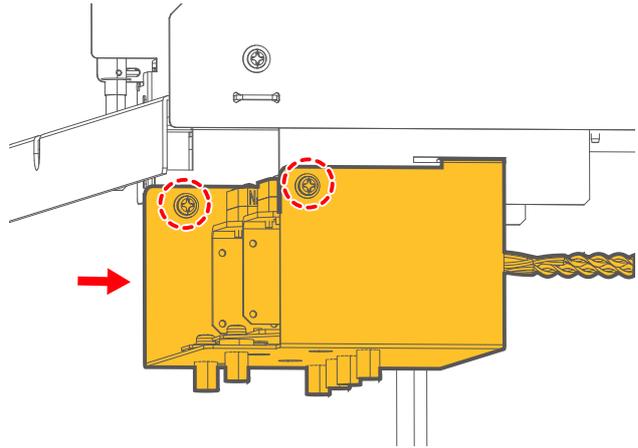
**Note**

**Tube position of the waste ink fitting**



**3** Slide the pump base unit towards the back and secure it with screws.

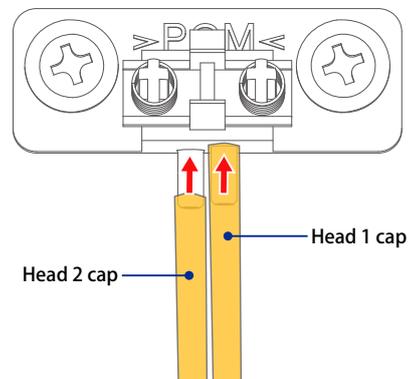
[Screw with washer and spring\_M4x8 (x2)]



**4** Connect the head cap tubes (x2) to the open air valve.

**Note**

For the tube for head 2 cap, cut it 170 mm long before connecting. No need to cut the tube for head 1 cap.



**5** Follow the removal procedures in reverse order to do the rest of procedures.

- Move the carriage back to the capping station.
- Attach each cover.

**6** Check and do adjustment after parts replacement.

**Maintenance Manual**

**7** Change the type of pump.

- In self-diagnosis mode, go to [Check 7: Parameter] > [Param 3: Update] > [Update29: Pump Type] and select [Type A].

**Important!**

Make sure to use the printer firmware Ver.1.03 or later.