

# Notes for using white ink



When using white ink, agitate the ink cartridge in the following situations to avoid ink sedimentation and coagulation.

- Every day before and after work
- When the sub power button flashes quickly (twice a second) and the following message is displayed on the touch panel

“Gently rotate white ink cartridges upside down 10 times to agitate ink.”

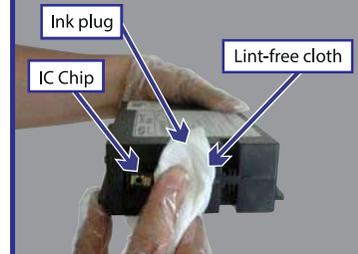
Be sure to agitate both W1 and W2 ink cartridges.

Take care so as not to touch the IC chip.

- 1 Check the power is ON.  
Wear the supplied gloves and remove ink cartridges from Ink cartridge slots.



- 2 Using the Lint-free cloth provided with the printer to wipe off the ink attached to the ink plug of ink cartridge.



- 3 While holding the ink plug with the Lint-free cloth, point the ink plug upward and wait three seconds.



- 4 While holding the ink plug with the Lint-free cloth, point the ink plug downward and wait three seconds.  
Repeat steps 3 and 4, ten times.



- 5 Reinstall the ink cartridge to the original cartridge slot.

The cartridge shapes for the white ink W1 and W2 are different.  
If the cartridges are installed in the wrong slots, the printer may be damaged.



# Daily Maintenance

- When the printer is not used for a long period of time, perform the nozzle check and cleaning once a week. Operation manual "Nozzle check and cleaning"

## Cleaning the cleaning wiper and the cap

### When to clean:

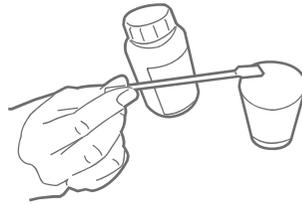
- VJ-405GT: After each day of work
- VJ-404GT: Once a week

### Required items:

- Cleaning stick (Accessory or supply item), cleaning liquid (Supply item), Gloves (Accessory), Plastic cup (Accessory)

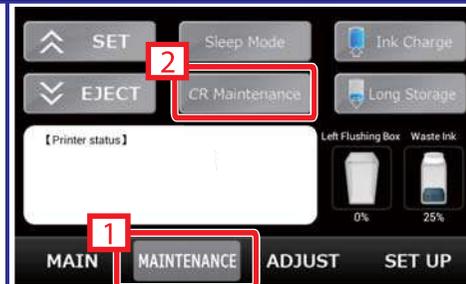
- Pour the appropriate amount of cleaning liquid into the plastic cup and soak the cleaning stick in the cleaning liquid.
- Wear the gloves.

Wash out any ink that may adhere to the cleaning stick during cleaning with the cleaning liquid.

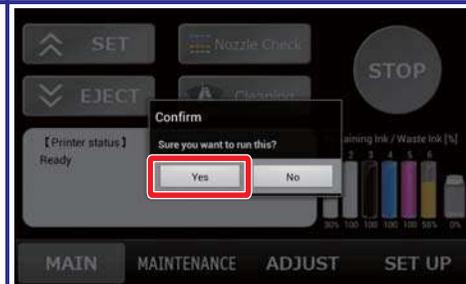


## 1. Setting CR Maintenance mode

1. Tap the [MAINTENANCE] menu.
2. Tap the [CR Maintenance] key.

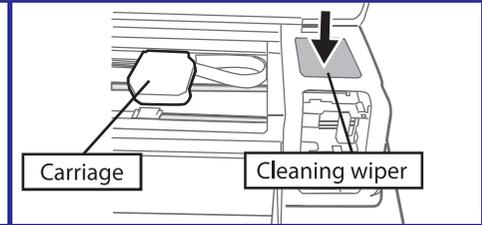


2. Tap [Yes].  
The carriage moves toward the center of the printer.  
**Do not leave CR maintenance mode on for five minutes or more.**

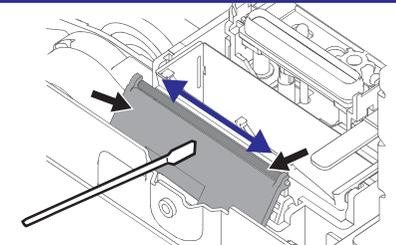


## 2. Cleaning the cleaning wiper

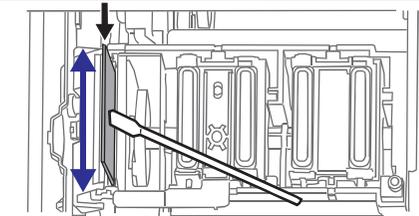
1. Open the front cover and check the location of the cleaning wiper.  
The location of the cleaning wiper is indicated by an arrow in the right illustration.



2. Use the clean stick to wipe off the stain from the left roller of the cleaning wiper and the surrounding area.

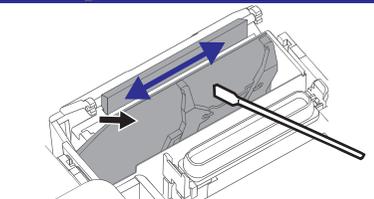


3. Wipe off the stain from the cleaning wiper (blackish rubber plate).



4. Wipe off the ink on the part located below the cleaning wiper.

Once cured on this part, ink can accumulate on this area causing damage to the print head.



5. Check that the cleaning wiper and the area around are clean.

Left side of the cleaning wiper

Right side of the cleaning wiper



### 3. Cleaning the cap

1	Wipe off the dirt on the inside of the four caps.  <b>Do not push down the sponge inside the cap.</b>	
2	Wipe off the dirt around the caps.	
3	Wipe off the dirt along the rim on top of the caps.	
4	Check that the cleaning wiper and the area around the caps are clean. Before After	
5	Close the front cover and then tap [Finish]. • This completes the procedure.	

### Cleaning the area around the print head

#### When to clean:

VJ-405GT/VJ-404GT: Once a week

#### Required items:

The necessary items and their usages are the same as the descriptions in "Cleaning the cleaning wiper and caps".

1	1. Remove the platen. 2. Set the printer to CR maintenance mode.  This sheet [1. Setting CR Maintenance mode]	
2	Tap the [SET] key. The table moves further in.	
3	Open the front cover.	
4	Use the cleaning stick to clean off any dust or ink blotches found at the bottom of the carriage. • The area around each print head (the silver frame) • Gap between print heads • Both sides of the carriage <b>Do not touch the surface of a print head (the yellow portions in the left illustration)</b>	
5	Check that the area around the print head is clean. Before After	
6	Close the front cover and then tap [Finish]. • This completes the procedure.	

# Cleaning the encoder scale and the shafts

## When to clean:

VJ-405GT/VJ-404GT: (Under normal use) Once every two weeks  
 (After frequent use with the "Head Gap" set to "Large") Once every week

## Required items:

- Lint-free cloth (Supplied accessory or commercially available item: use nonwoven fabric with low dust production.) Or polyknit wipers (optional product)
- Ethanol (Commercially available item: use one with a concentration of 50% or higher.)
- Shaft grease (Supplied accessory or optional product)
- Gloves (Supplied accessory)
- Cotton swabs (Commercially available item)

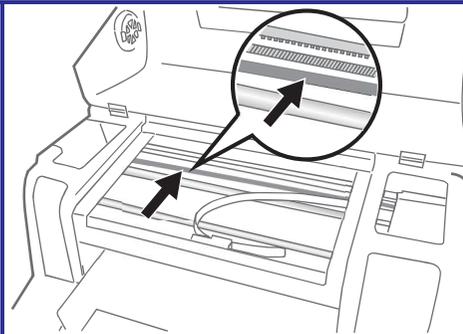
Do not use tissue paper

Make sure to clean the encoder scale before cleaning and greasing the shaft.

## 1. Cleaning the encoder scale

1. Check that the power is on.
2. Wear the gloves supplied with the product.
3. Lightly apply ethanol on the Lint-free cloth.
4. Open the front cover.

- 2 Check the position of the encoder scale.
  - The encoder scale is a blackish translucent film.

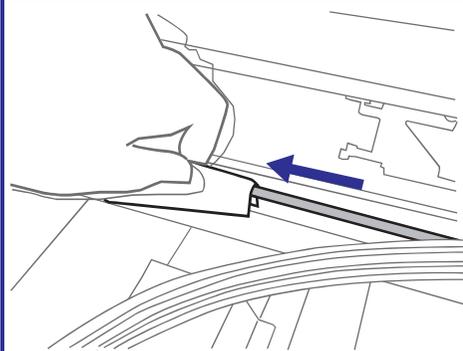


- 3 Softly cover the front and back of the encoder scale with a lint-free cloth. From the center toward the far left of the scale, wipe it from right to left.

Take extra care not to hold it too tightly, or to bend the film.

Do not touch the encoder scale.  
 Adhered grease may cause errors.

Always wipe the encoder scale from right to left.  
 If you try to wipe from left to right, the encoder scale will come off.

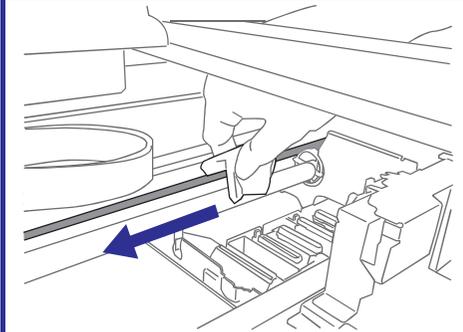


- 4 Set the printer to CR maintenance mode after wiping.

This sheet [1. Setting CR Maintenance mode] of [Cleaning the cleaning wiper and the cap]

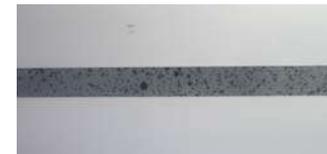
- 5 Wipe down the remaining part of the encoder scale in the same manner. Wipe it from right to left.

Always wipe the encoder scale from right to left.  
 If you try to wipe from left to right, the encoder scale will come off.

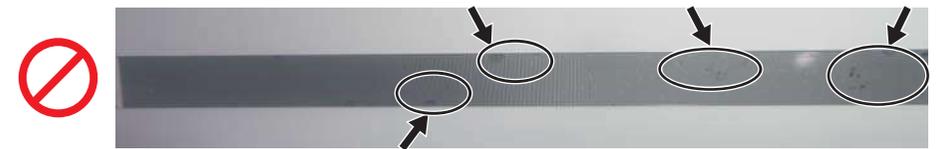


- 6 Check that the encoder scale is clean.

Before



After



If dust or ink stain remains on the encoder scale, slightly moisten a lint-free cloth with ethanol and wipe it from right to left.

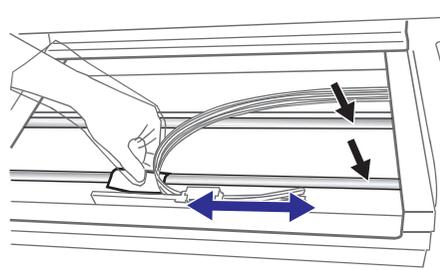
- 7 Tap [Finish].
  - Continue on to clean the shafts.



## 2. Cleaning and greasing the shafts

- 1** Wipe the left side of both shafts (front and rear) with the lint free cloth to remove ink mist.

Do not touch the encoder scale.  
Adhered grease may cause errors.

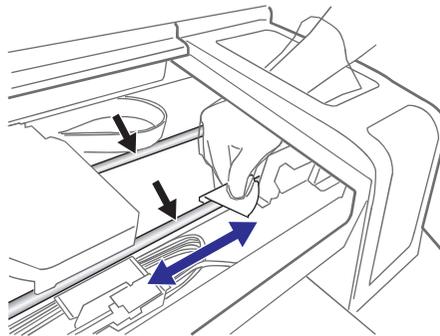


- 2** Set the printer to CR maintenance mode.

☞ This sheet [1. Setting CR Maintenance mode] of [Cleaning the cleaning wiper and the cap]

- 3** Wipe down the remaining part of the shafts in the same manner.

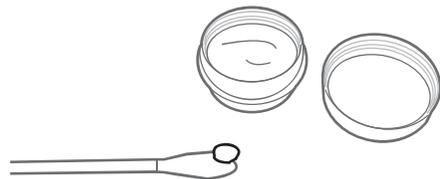
- There are 2 shafts. Wipe down both.



## 3. Greasing the shafts

- 1** Scoop small amount of grease with a cotton swab.

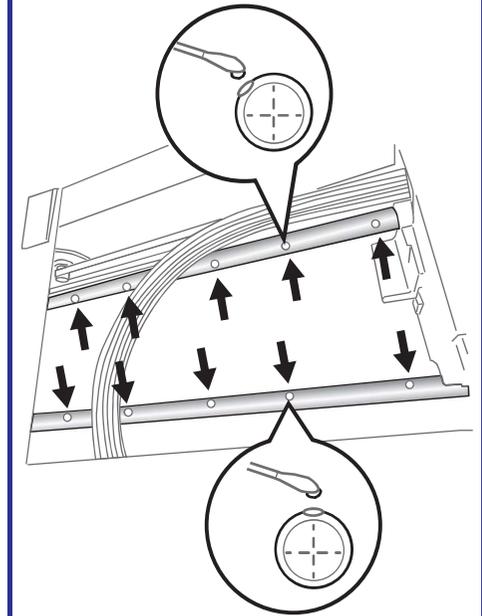
Applying too much grease may result in a drop in picture quality.



- 2** Apply grease to the left side of the shafts.

- First, apply the grease evenly along the 5 points on the top part of the front shaft.
- Next, apply the grease evenly along the 5 points on the part that is slightly lower than the top part of the rear shaft.
- Make sure to thinly apply grease on the shafts. Do not add more grease.

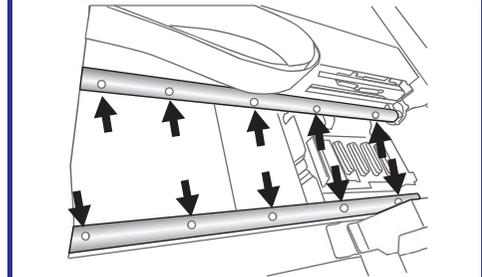
Clean the encoder scale if there is any grease adhering to it.  
Adhering grease could result in errors.



- 3** Scoop small amount of grease with a cotton swab in the same manner as in step 1.

Applying too much grease may result in a drop in picture quality.

- 4** Apply grease to the right side of the shafts in the same manner as in step 2.



- 5** Close the front cover.

- 6** Tap [Finish].
- This completes the procedure.

