

(3) Cleaning protect

Please follow these instructions exactly as they are written, some instruction may seem silly but that's the way Canon have explained them, the procedure is not difficult and you'd wonder what all the fuss is about, but they still don't want any user to know how the removal is carried out.

I have included the print head procedure and other instructions that won't be needed, so just ignore them if they are not relevant to your circumstances.

The Hat...

(4) Print head replacement

1) How to replace the print head

Since the print head is not designed to be replaced by users, the carriage does not move the print head replacement position even when the top cover is opened.

Follow the procedures below to replace the print head.

- i. Open the top cover and the head cover, then press and hold the Resume/Cancel button for 5 seconds or longer.
- ii. While holding the Resume/Cancel button, press and release the Tank Cover Open button.
- iii. Release the Resume/Cancel button.
- iv. Wait until the carriage moves to the print head replacement position (approx. 4 minutes).
- v. Open the joint levers, and take out the print head.
- vi. Install the new print head, and close the joint levers, head cover, and top cover.

Note: If the print head needs to be removed from the carriage without following the above procedures in disassembly or reassembly, allow the printer to sit for 1 minute or longer after power-off (to reduce the internal pressure of the ink tube) before removing the print head. This way, ink leakage from the print head joint will be prevented.

2) Notes on the temperature

When the print head temperature significantly differs from the printer temperature, and if the print head is replaced in those conditions, the temperature may not be controlled properly, resulting in improper printing. Before replacement, fully acclimatize the print head to the room temperature where the printer is used. The temperature correction is automatically performed for a certain period of time after print head replacement. Improper printing due to difference of the temperature between the print head and the printer will be resolved over time.

3) When ink is low

When the amount of ink left in the ink tank is low (30.5% or less), the print head cannot be replaced (due to insufficient ink amount for purging after replacement).

< How to prevent >

Replace the applicable ink tank(s).

4) When the printer is in the Cleaning Protect mode

The print head cannot be replaced (since purging after replacement of the print head cannot be performed).

< How to prevent >

- Wait for 12 hours until the printer exits from the Cleaning Protect mode.

- Replace the ink absorber to a new one. The Cleaning Protect is cancelled.

5) Before opening the print head package

Depending on the conditions, the print head cannot be replaced at once.

To prevent unnecessary troubles, confirm that the carriage moves to the print head replacement position before opening the print head package.

6) When an error occurs in the printer

The print head cannot be replaced.

7) Purging after the print head is replaced

After replacement of the print head, purging is performed to fill the print head with ink, consuming approx. 20% of ink in the total amount of an ink tank.

8) Print head alignment

After replacement of the print head, perform print head alignment.

- Automatic alignment: 3 sheets of Matte Photo Paper MP-101*

- Manual alignment: 5 sheets of Matte Photo Paper MP-101*

* For optimization of the print head, 1 more sheet is used than for the standard alignment.

(5) Ink tank replacement

1) Notes on ink tank replacement

During power-on, pressure is applied inside the ink tube. If an ink tank is forcibly re-installed, ink can leak from the joint of the tube.

Be sure to press the Tank Cover Open button and confirm that the tank covers are open before removing an ink tank during power-on.

After the printer is turned off, allow the printer to sit for 1 minute or longer. Then, the internal pressure of the ink tube is reduced, and an ink tank can be removed or re-installed in disassembling and reassembling the printer.

2) Notes when installing an ink tank

Be cautious of the following when installing (or removing) an ink tank. Avoid unnecessary removal or re-installation of an ink tank.

< For a full ink tank (100% ink) >

Since pressure is applied inside the ink tank, ink will flow into the ink tube when the ink tank is installed. If the tank is soon removed, ink will flow back, leaking from the joint.

< For an empty ink tank (0% ink) >

Since the ink tank is filled with negative pressure, ink in the tube will be drawn into the ink tank when the ink tank is installed. If the tank is soon removed, air will enter the tube.

3) When an error occurs in the printer

When a printer error occurs excluding ink-related errors (such as "no ink"), the tank covers will not open.

Place the printer on a table covered with newspaper to prevent any spillages and with access all round the unit for easy dis-assembly.

External removal of top cover and sides

Remove the side covers where indicated with a flat head screwdriver. Photo 1 and 2.



Photo 1

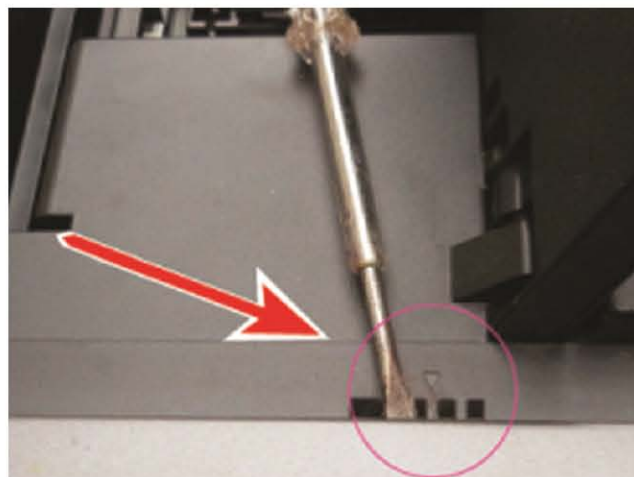


Photo 2.



Photo 3



Photo 4.

When re-assembling the printer be careful not to damage these claws, Photo 4 if they get damaged the Tank Cover Open Button will be hard to press.

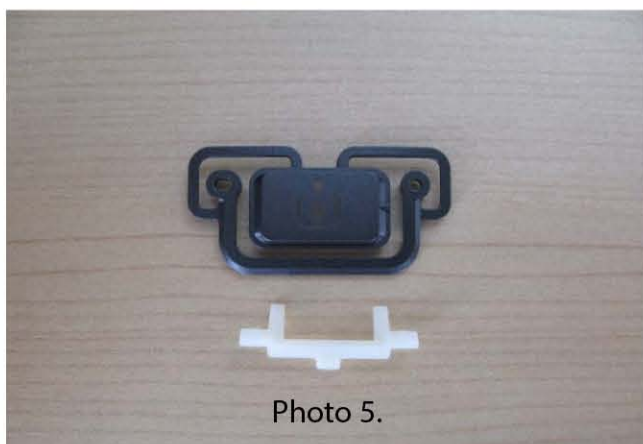


Photo 5.

Remove the Tank button and the tank cover lever Photo 5 and put them somewhere safe till later.

Release the Claws on the Tank door units Left and Right Photo 1 and 2 and pull Open the Tank unit doors



Photo 1



Photo 2

DO NOT DISCONNECT ANY OF THESE PLUGS OR CABLES

Remove both the rear corner covers, each has 3 claws, Photos 3, 4 and 5



Photo 3



Photo 4



Photo 5

Remove the main Case (No screws)

After releasing the 6 claws from the sides of the Top Cover, two each on the left and right sides and the two on the rear as shown, lift and detach the cover from the base, Photos 1, 2, 3. and two on the rear as shown, lift and detach the cover from the base.



Photo 1

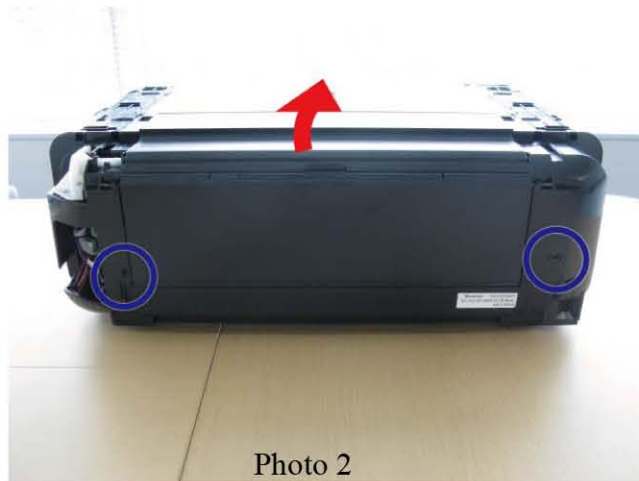


Photo 2



Photo 3

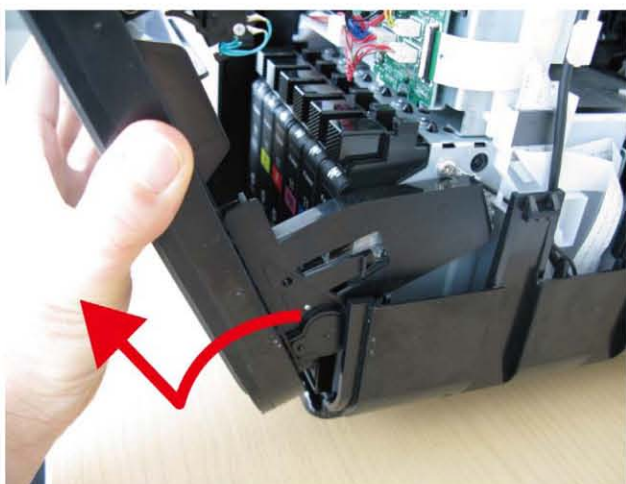


Photo 4

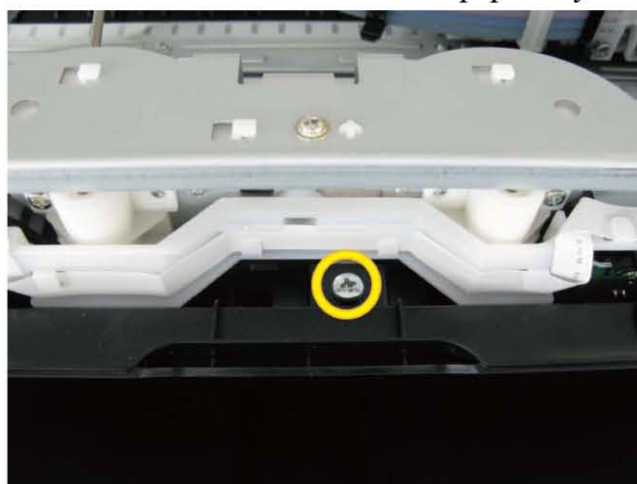
Note that a little ink may drip from the duct inside the main case in some instances. Photo 4

Lower the front Paper tray down for the next procedure

Remove the left and right door units.



Then Remove the screw behind the paper tray



DO NOT DISCONNECT ANY PLUGS OR WIRING AT THIS STAGE.

The following Procedure has photos on the next page.

Now while pushing against the left side of the inner tray (Photo1) Pull the tray out slightly, then do the same with the right side, (Shown in the next photos 1 & 2.)

Now the front tray door screws must be removed (2) photo 1, and also the door guide screws (4) photo 2, shown.

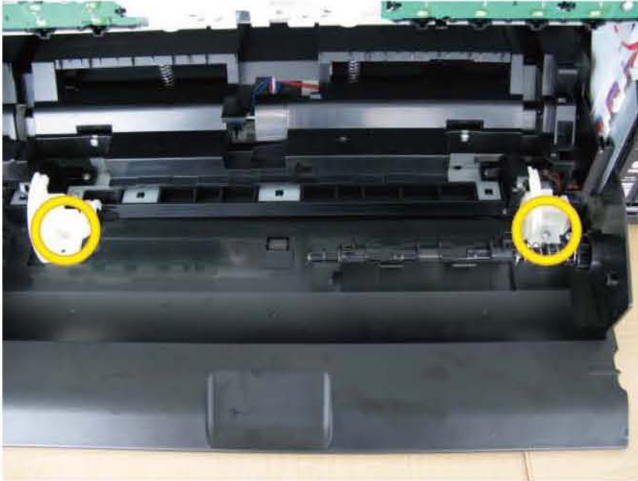


Photo 1

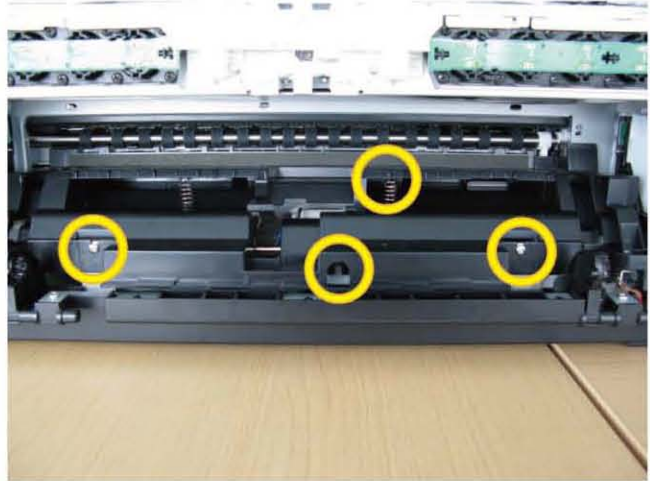


Photo 2

At this point you may find it easier to remove the wire and plug from the front tray photo 3, so you can move the tray completely out of your way, photo 4.

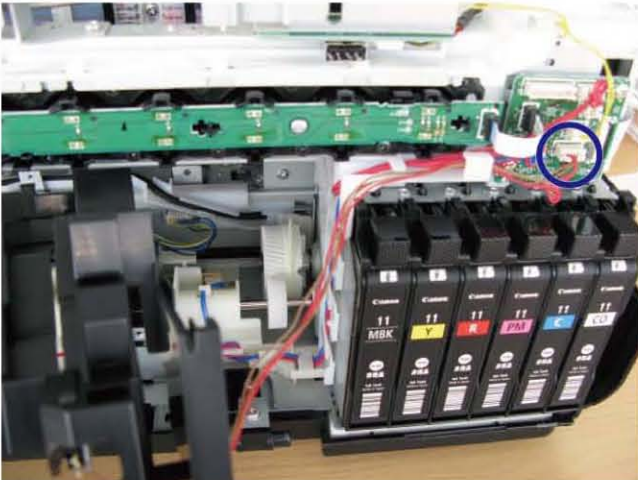


Photo 3



Photo 4

* Carriage unlocking

If you have a need to move the print head or wish to examine the purge unit area then this is how to unlock the Print head carriage. * Not necessary for the fitting of the waste ink tank.

Rotate the purge unit gear frontwards (Photo 1) to lower the carriage lock pin. The carriage will now be unlocked and free to slide to the centre or far left, Photo 2 (No screws)

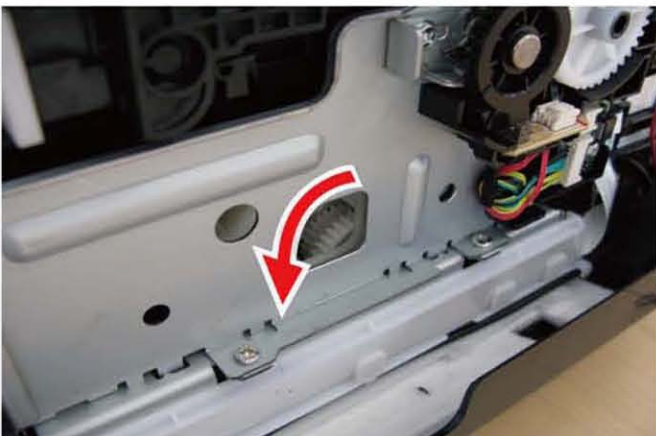


Photo 1

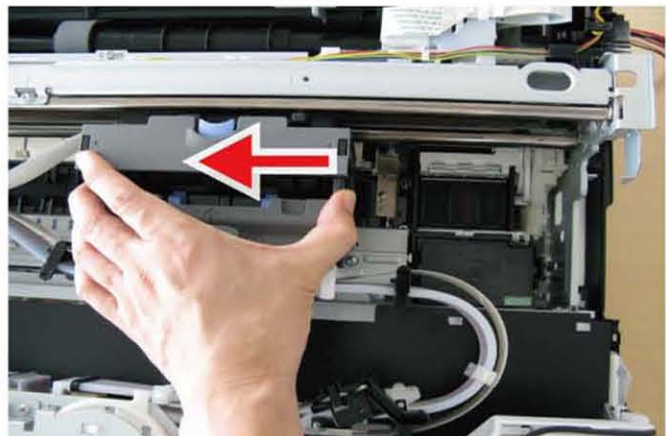


Photo 2.

When working on the Chassis of the Printer, **do not at any time undo any wiring or small plastic plugs, this is only precautionary because you don't want to cause the EPROM chip to lose contact with any of the little PCB boards scatter around the inside the printer.

One good tip that has come to light here however.

When you get the top cover removed, plug the power lead in again, don't however power on the printer, this is only to maintain power to the EPROM chip as a back up to the internal battery in case of any mishaps.

Once you have completed the task of redirecting the waste tube to the outside of the Printer you can start the reassembly process by first removing the power lead from the printer otherwise it's very difficult to fit the top cover back into position.

When it's time to change the Coin battery located in the left-hand ink door area, please remember to power on your printer first to drop down the ink doors to gain access to the battery compartment, you can keep the printer powered for this operation.

** This is just another reminder by The Hat to stay safe at all times...



Tip: You can increase the viewing size of the PDF for better photo clarity