

Nippon-ink Brother's Cartridge Design Differences and Trouble-Shooting

1) NP-LC 38 / 67 Nippon-ink Cartridge Model

Original – There is a white cap on the Nozzle.

Nippon-ink – There is **no white cap on the Nozzle** due to the nozzle been sealed by “*Plastic Film Cover*” to be poked through upon installation into the printer. **The nozzle internal portion consists of tapped Rubber cap** to guide the insertion pin upon installation to the printer. User needs to push in the cartridge upon installation into the printer before locking it. **Do not lock it without pushing the cartridge into the slot.** This will **cause leakage** due to **spring mechanism wear and tear situation and cartridge not fully inserted into the chamber.**

Purpose, Motive and Intention – To prevent and avoid infringement as copy version.



Original

Nippon-ink

Original Nozzle

Nippon-ink Nozzle

NP-LC 38 Cartridge design is same as NP-LC 67 Cartridge design except the internal Ink Input Capacity is lesser, estimated about half for LC 38. To prevent duplication and extra stock inventory, Nippon-ink sells NP-LC 67 as NP-LC 38 Cartridge. For Price comparison, **User must use the Price of LC 67 Original instead of LC 38 Original.** To prevent and avoid confusion that the saving is small when compare with LC 38 Price (False Alarm).

Trouble-Shooting – a) **Remove all the cartridges and “OFF” the machine by removing the Power Cord and/or Plug from the socket for about 5 minutes.** **Purpose** – **to remove the memory effect** if User does not follow the LCD screen instruction procedure. **Reconnect and follow the LCD screen instruction to install the respective color cartridge accordingly.**

b) If LCD screen still indicate “*No Cartridge*” or “*Reinstall Cartridge*”, remove the affected Color cartridge. **Use a tissue to cover the Nozzle and shake it hard before reinstallation.**

2) NP-LC 37 / 57 Nippon-ink Cartridge Model

Original – There is a white cap on the Nozzle.

Nippon-ink – There is **no white cap on the Nozzle** due to the nozzle been sealed by “*Plastic Film Cover*” to be poked through upon installation into the printer. **The nozzle internal portion consists of tapped Rubber cap** to guide the insertion pin upon installation to the printer. User needs to push in the cartridge upon installation into the printer before locking it. **Do not lock it without pushing the cartridge into the slot.** This will **cause leakage** due to **spring mechanism wear and tear situation and cartridge not fully inserted into the chamber.**

Purpose, Motive and Intention – To prevent and avoid infringement as copy version.

NP-LC 37 Cartridge design is same as NP-LC 57 Cartridge design except the internal Ink Input Capacity is lesser, estimated about half for LC 37. To prevent duplication and extra stock inventory, Nippon-ink sells NP-LC 57 as NP-LC 37 Cartridge. For Price comparison, **User must use the Price of**

LC57 Original instead of LC 37 Original. To prevent and avoid confusion that the saving is small when compare with LC 37 Price (False Alarm).



Original



Nippon-ink



Original Nozzle



Nippon-ink Nozzle

Trouble-Shooting – a) **Remove all the cartridges and “OFF” the machine by removing the Power Cord and/or Plug from the socket for about 5 minutes.** Purpose – **to remove the memory effect** if User does not follow the LCD screen instruction procedure. **Reconnect and follow the LCD screen instruction to install the respective color cartridge accordingly.**

b) If LCD screen still indicate “*No Cartridge*” or “*Reinstall Cartridge*”, **remove the affected Color cartridge. Use a tissue to cover the Nozzle and shake it hard before reinstallation.**

3) **NP-LC 47 Nippon-ink Cartridge Model**

Original – The Nozzle (plastic cap with hole at the center) and Bleeding Hole (with a stick protruding out in the center that is spring loaded when compressed) are located at the bottom portion of the cartridge and both are cover by an external Black Plastic Casing. The Black Holder on the Top portion does not have any hole. User needs to drill a hole before refilling the cartridge.

Nippon-ink – The Nozzle does not has any cap as it been sealed by “*Plastic Film Cover*” and internally consists of tapped Rubber cap. To push in and poke through by itself upon installation into the printer as per normal procedure. Nippon-ink Bleeding Hole is located on the Black Holder Top at both sides – One side sealed by “*Transparent Plastic Film*” remains as it is. The other side is cover by the “*Yellow Label Tape*” to be removed before installation. This hole can be use as refill hole. User doe not need to drill extra hole for refilling process i.e. more simplified, easy to use and more user-friendliness.

Note: *Upon removal of “Yellow Label Tape”, sometime ink might purge out due to air and gases generated internally. If encounter, please wipe it off before installation to printer.*



Brother’s Original Cartridge Design – Bottom and Top Black Holder (No Hole)



Nippon-ink's Cartridge – Bottom and Top Black Holder (With Holes) and Refill Method.

Trouble-Shooting – a) Remove all the cartridges and “OFF” the machine by removing the Power Cord and/or Plug from the socket for about 5 minutes. Purpose – to remove the memory effect if User does not follow the LCD screen instruction procedure. Reconnect and follow the LCD screen instruction to install the respective color cartridge accordingly.

b) If LCD screen still indicate “*No Cartridge*” or “*Reinstall Cartridge*”, remove the affected Color cartridge. Use a tissue to cover the Nozzle and the Bleeding Hole located on the top portion, shake it hard before reinstallation.

c) If LCD screen still indicate “*No Cartridge*” or “*Reinstall Cartridge*”, press the Top Holder downward and the message goes off and when you let go the message appear again. This indicates the spring loaded clip location is loose or not properly clips onto the cartridge. Insert some paper in between the clip and the cartridge location can solve the problem temporary due such intermittent sensor detection.

Example Brother FAQ specified (Quoted) - Why does my machine's LCD show "NO CARTRIDGE" even though I have already installed all the ink cartridges? Answer: If the message "NO CARTRIDGE" remains on the LCD after you have installed the ink cartridges, then one or more of the cartridges may not be properly installed. Verify that the cartridges are installed correctly by following these steps:

1. Unplug the machine from the AC power outlet, wait approximately 10 seconds and then plug it back in. If the date and time appear on the display, the issue is resolved. If the display continues to show “NO CARTRIDGE”, continues to Step 2.

2. Open the scanner cover by lifting it from the right-hand side until it locks securely into the open position.

3. Remove the black ink cartridge by pulling the white plastic hook (locked over the edge of the ink cartridge) toward you, then lifting the cartridge out.

4. The LCD should prompt you to install the black ink cartridge.

5. Reinstall the black cartridge. Press down FIRMLY on the top of the cartridge until it is fully seated. Push the white plastic hook towards the cartridge to verify it is fully latched over the cartridge's top edge. Repeat STEPS 2 - 4 to verify each that of the color cartridges (magenta, cyan and yellow) is installed properly, then continue to STEP.

6. Close the scanner cover. The unit should begin cleaning automatically.

(Unquote)

Information extracted on 30 October 2008 from Brother's web URL:

[http://welcome.solutions.brother.com/BSC/public/as/nz/en/faq/faq/000000/000700/000034/faq000734_000.html?reg=as&c=nz□=en\[\]=dcp110c_eu_as&Cat=7](http://welcome.solutions.brother.com/BSC/public/as/nz/en/faq/faq/000000/000700/000034/faq000734_000.html?reg=as&c=nz□=en[]=dcp110c_eu_as&Cat=7)

Another possibility by Brother's FAQ states (Quoted) - **I replaced my ink cartridge, but the LCD is still displaying "Ink Empty". What can I do?** Answer: **This is typically caused by an incorrect selection made during the LCD prompting after a cartridge is replaced or the hook did not snap securely over the ink cartridge when installing. Do the following to clear the message.** (Unquote)

Information extracted on 30 October 2008 from Brother's web URL:

[http://welcome.solutions.brother.com/BSC/public/as/nz/en/faq/faq/000000/000300/000036/faq000336_002.html?reg=as&c=nz□=en\[\]=dcp110c_eu_as&Cat=7](http://welcome.solutions.brother.com/BSC/public/as/nz/en/faq/faq/000000/000300/000036/faq000336_002.html?reg=as&c=nz□=en[]=dcp110c_eu_as&Cat=7)

If due to Nippon-ink Cartridge problem the whole printer cannot and unable to function. If the printer able to print but nothing appear, missing color faded and/or blurs image etc. Highly and most likely it due to Nozzle Dirty and/or Clog problem. Please clean and perform Nozzle Check to confirm the causes. The explanation is shown on the screen when User does the Nozzle Check. Every dotted line represents one hole whichever line found missing mean that particular hole is block and clog.

Any cartridge ink level below the threshold level stated by the Printer Drive Program shall consider as "No Ink Level". In such situation the machine will not function till new cartridge been replaced or refill the ink above more than half the level. The ink solution in each cartridge cannot and unable to be consumed fully. The threshold cut-off level is perform by the Printer Driver Program base on estimated number of pages and number of cleaning process been performed, estimated about 20% to 25% balance ink.

Brother's FAQ stated (Quoted) - **Why does the LCD on my machine say 'INK EMPTY' when there is still Ink remaining?** Answer: **It is normal to have ink remaining in the cartridge when the MFC displays INK EMPTY. This is necessary to ensure good performance from the print heads and print quality of your work.**

* **If an ink cartridge is allowed to run dry it could permanently damage the print head, Brother ink cartridges are designed to stop printing before this happens.**

* **Brother ink cartridges are packaged to compensate for print head maintenance and it does not affect the amount of printed text you would expect to get from the ink cartridges.**

(Unquote).

Information extracted on 30 October 2008 from Brother's web URL:

[http://welcome.solutions.brother.com/BSC/public/as/nz/en/faq/faq/000000/002000/000020/faq002020_000.html?reg=as&c=nz□=en\[\]=dcp110c_eu_as&Cat=16](http://welcome.solutions.brother.com/BSC/public/as/nz/en/faq/faq/000000/002000/000020/faq002020_000.html?reg=as&c=nz□=en[]=dcp110c_eu_as&Cat=16)

Void on Nippon-ink Cartridge Warranty - Any cartridge found without Nippon-ink Name and Logo stated and pasted on each individual cartridge, both by removal and/or missing label, shall considered null and void unless proven, verify and confirm by Nippon-ink staff.

Note: All Nippon-ink Cartridges had Nippon-ink Name and Logo labels stated and pasted on each individual cartridge inclusive the Box design.

Nippon-ink Limited Warranty – Nippon-ink supply the Cartridges and the limited warranty cover the cartridge supplied by Nippon-ink to user within 12 months from the date of purchased.

Original Claim to Void User's Warranty for using Nippon-ink Cartridges – Refer to Case, MTI and/or CCS for clarification, verification, investigation and confirmation. Nippon-ink unable to provide any legal advice. User can review the Anti-Competition Acts 2004 on MTI web.

Support – Purchase – Use - Nippon-ink Cartridge

Disclaimer Clause: All brand name, logo, trademark, part number, picture, patent, design, copyright and technology belong to the respective owners. It uses for description, illustration, comparison and explanation purpose only. Nippon-ink cartridge is not genuine original cartridge. All remanufacture cartridges are collected, recycle, reassemble and recondition before retest from the open market. Nippon-ink does not belong, supported, associated, related nor endorsed by any other OEM brands, like Brother, Canon, Dell, Epson, HP, Lexmark, Samsung etc. All other rights reserved.