

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

For Use on Canon PGI 5 (Black) and CLI 8 Series Cartridges

Nippon-ink PGI 5 and CLI 8 Series is Different from Canon's Original design

Original – Consist of 2/3Sponge and 1/3 ink Solution, with the Clip protrude from the Chip set location. The Yellow Label is located on the Cartridge Top beside Canon's label.

Nippon-ink – Consist of ¾ ink solution while the sponge was located on tip of the nozzle portion. The Clip protrudes from the Cartridge Top and beside the Chip Set has slot. The Yellow Label located between the Clip and the Cartridge Top.



Canon's Original overall Sponge Cartridge



Clip and Chip Set location



Nippon-ink Cartridge – Sponge on Nozzle



Clip and Chip Set Location



Trouble-Shooting Process and Procedure

- 1) **Installation of Cartridge into Printer** – Once properly installed the LED will light up to indicate the Chip set on the cartridge is in working condition. In case the **LED flicker it indicates either the Chip set is faulty or cartridge is empty**. If the cartridge is full, remove and use tissue to clean and rub on the chip set (Green color) before reinstall into the printer.
- 2) Check the LCD screen and/or computer screen to identify the actual fault before rectifying.
- 3) **To recycle the cartridge and/or by refilling process** – Once refill the ink level unable to monitor as the Chip set already indicated as “Low” which unable to reset it. Thus User must monitor the ink level physically. **User must know how to default the printer program** otherwise even fully refill the printer unable to function and operate.

Note: Canon's Cartridge Holder is removable and provided with Software Cleaning on other area like the rollers and other related parts.

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How to Refill Canon’s PG 40, PG 50, PG 830 and CL 41, CL 51 and CL 831 Series

How to Refill Canon’s PG 40 (Black) and CL 41 (Tri-Color)

The above cartridge is similar to PG 50 (Black) and CL 51 (Tri-Color) and PG 830 (Black) and CL 831 (Tri-Color). The method of refill procedure is the same as shown below.



Peel Off Canon’s Label Enlarge the Hole Size Syringe Installation Refill Slowly

- 1) **To locate the Hole** – Need to **peel off the Canon’s Label** found on top of the cartridge.
- 2) **Black Cartridge** – Upon removed the Canon’s Label, there is a **small circle with a tiny hole** in the center of the circle. **Use the Ring Screw (Provided in the Kit Set) to enlarge the hole** till it big enough for the needle to poke through. Later **remove the Rubber Cap from the vacuum Syringe tip and insert the Needle into the syringe tip. Insert the syringe needle into the Cartridge Hole and Pump in slowly.** Whatever ink balance in the syringe can cap it back with the Rubber Cap, estimated balance ink about 10 ml. or lesser.
- 3) **Tri-Color Cartridge** - Upon removed the Canon’s Label, there are **3 small circle with a tiny hole in the center of the circle form as a triangular shape** (2 at the bottom and one at the top). **Use the Ring Screw (Provided in the Kit Set) to enlarge the hole** till it big enough for the needle to poke through. **To test and confirm the Color Chamber either uses a tooth pick and/or use the needle to insert into the hole to check, verify and confirm** the color before refilling it. Once the Color Chamber is confirm, **locate and use the correct Color syringe.** Later **remove the Rubber Cap from the vacuum syringe tip and insert the needle into the syringe tip. Insert the syringe needle into the Cartridge Hole and Pump in slowly.** Whatever ink balance in the syringe can cap it back with the Rubber cap estimated balance ink about 10 ml. or more.
- 4) **After Refill Completed** – Use Nippon-ink sticker to paste over it or use Blue Tag to cover the hole or paste over by normal tape.
- 5) **Precaution and Preventive Measure – Before Refill** – **Use a tissue to test the print head by wiping it,** if nothing comes out it indicate the print head is clog and block. Please use Nippon-ink Cleaning Solution to clear the clog and blockage before refilling it. **Do not refill until you are very sure the cartridge is in working condition** otherwise even after fully refill the cartridge might not be able to use and print. In such incident, User has to purchase new Original cartridge before recycle and reuse it through refilling.
- 6) **Precaution and Preventive Measure – After Refilling Process** – **Excess ink might flow out from the print head, need to leave the cartridge openly for sometime till the ink stop to flow out from**

the print head. If the ink keep flowing from the print head continuously, it indicate the **seal from the print head is faulty and damage beyond use.** In such incident, please scrap the cartridge. User has to purchase new Original cartridge before recycle and reuse it through refilling. **Do not install leaking cartridge into the printer** as the ink leakage might damage (short-circuit) the printer once it flows onto the circuitry board.

- 7) **Precaution and Preventive Measure – During Refilling Process – User must place some old newspaper over the area before refilling take place.** To ensure the affected area is easy to clear off after refilling process. It does not cause any messy, dirty and/or damages due to excess ink spill over. Some excess ink might stain your hands and fingers depend on your experience in the refilling process. In such incident please apply soap solution on both hands and by rubbing it for sometime can get rid of the stains.
- 8) **Precaution and Preventive Measure – During Refilling Process –** In case ink solution contacts any sensitive skin like wound, cut, and/or eyes etc, please wash it immediately with running water. **If the condition does not improve seek medical advice immediately.**
- 9) **Refer to URL:** <http://g-cap.so-buy.com/front/bin/ptdetail.phtml?Part=Refill-PG40-CL41>

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.

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.