

Nippon-ink 73 N Refillable Cartridge for use on Epson's Printer

Nippon-ink 73 Series Refillable Cartridge Design

- 1) Nippon-ink Ink Cartridge **consists of ink internally as others come as empty cartridge.**
- 2) User needs to remove the “**Yellow**” Label and Clip Spacer (to protect the Clip from breakage) before installation otherwise ink will not flow (Bleeding Hole) and cartridge unable to be removed that cause “**False Alarm**” as faulty and/or jammed cartridge.
- 3) After using it as “**Empty**” User can refill it with Nippon-ink Refill Kit Set.
- 4) Nippon-ink cartridge consists of Auto Reset Chip – will auto reset the ink level after refill.
- 5) Nippon-ink Chip set and Clip is located on the Bracket of the cartridge as a whole. Do not remove the bracket separately as it already pre-install by the factory i.e. plug and play format.



Nippon-ink Cartridge Chip Set & Clip on Bracket Yellow Label & Clip Spacer to be removed

How to Refill Nippon-ink 73 Series Refillable Cartridge?

- 1) When the printer indicator shows “**Empty**” User need to remove the cartridge from printer. **Please ensure working area covered by old newspaper and cartridge nozzle been sealed and/or taped before refilling.** Otherwise ink will drip and flow out from the nozzle.
- 2) User need to **remove Nippon-ink label** located at the top of the cartridge in order to locate the refillable hole. A **white rubber stopper covers the refillable hole** which User need to remove.
- 3) Once the rubber stopper been removed, **User can use Nippon-ink Refill Kit Set** by removing the rubber cap from the syringe and insert the needle into the syringe. Ready to pump into the cartridge.
- 4) Insert the correct colour (Magenta) needle syringe (Magenta) into the refillable cartridge. **Pump in slowly** to prevent ink overflow from the back of the syringe due to internal ink pressure (Back Flow).
- 5) Estimated **Ink Input is about 1/2 from the syringe (10 ml.) maximum. Do not pump above such limit as it might cause excess ink flow out from the cartridge nozzle as waste.** There are marking indicator as measurement on the side of the 20-ml syringe. **REASON – Printer program will cut of at 12 ml. (estimated) level set by the Original Epson's Driver program.** Thereafter User need to refill the cartridge and chip set will auto-reset before cartridge is reuse, recycle, reprogram and renewal. For your information, internally there is some balance residue ink inside the cartridge.
- 6) The balanced ink inside the syringe can be capped with the black rubber stopper for future use i.e. One tube can refill twice. It a **Cost Saving Exercise** for the User, example for **Nippon-ink Black (\$12 - \$15/6) = \$9.50 per refill per cartridge saving.**
- 7) After refilling, User can **plug the refill hole with the white rubber stopper or using Blue Tag or tape** to cover the hole. The purpose is to prevent ink leakage when removed from printer.
- 8) **Let the cartridge stand straight upright with the Clip, Chip Set and Nozzle on the bottom.** The purpose is to let the **internal ink flow into the fibre filter at the nozzle** to be absorbed with ink before User removed the external tape from the nozzle. Estimated about 15 minutes to half an hour.
- 9) **If User do not perform such procedure as stated in item 8 – Excessive Ink might flow out from the nozzle as waste.** Result in messy and dirty environment.
- 10) Thereafter remove the external tape from the nozzle, ready to use and to be installed into the printer.

Before Refill Procedure



Tape the head to prevent ink from leaking

Division 2 — Agreements, etc., preventing, restricting or distorting competition



Remove Nippon-ink Top Label



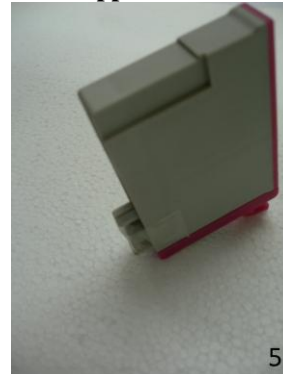
Remove White Rubber Stopper



Insert Colour Needle Syringe



Reinstall Rubber Stopper or Blue Tag or Tape



Cartridge Stand Upright

Ready to Use

For void Warranty issue, User can contact CASE and/or MTI for clarification and investigation. Information stated from Ministry of Trade & Industries under Anti-Competition Acts 2004, Division 2 Section 34 Clause 1 to 5 at URL: http://statutes.agc.gov.sg/non_version/cgi-bin/cgi_legdisp.pl?actno=2004-ACT-46-N&doctype=COMPETITION%20ACT%202004%0A&date=latest&method=part

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Print Head Clog due to dirt accumulated from Paper Media confirmed by Nozzle Check. Printer design using Ink Cartridge to purge dirt, cartridge less than 50% is not effective due to insufficient pressure. False Alarm, cartridge is not "Faulty". Printer Driver Program set by Original ink level standard as the cut off point (Threshold Level) for Ink Cartridge.

Do not refill Ink to maximum and/or exceed the level result in poor print quality due to poor air circulation and flow.

Number of pages base on ISO / IEC FCD 24711 and 24712 Test Suit comparison criteria. Cartridge that consist of **Sponge type will retain about 40% of the Ink Output** although more Ink Input Capacity been loaded. Example **Ink Input is 18 ml the Usable Ink Output is $(18 \times 60\%) = 10.8$ ml** compare those **without sponge type of 15 ml.** i.e. Sponge type has **less Ink Output performance of $(15 - 10.8) = 4.2$ ml.**

Another reason is **printer program cut off point by the Drive Software** is already set and predetermines. Example program set at 12 ml. when cartridge was filled at 16 ml. User can only use 12 ml. the **balance is still unusable unless using Nippon-ink Auto Reset Chip cartridge.**

For Brother's cartridge NP-LC 38/67 and NP-LC 37/57 is the same model, Nippon-ink cartridge is LC 67 and LC 57 respectively. Original Brother cannot be used and the difference is the ink-input capacity is half of LC 67 and LC 57 respectively with cheaper price.

Why Pay More? You can Saves by Supporting, Purchasing and Use Nippon-ink Cartridges.

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