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Premium Continuous Ink Supply System

Instruction Manual

For Brother Printers
980/990 and
All printers using LC38 or LC67
cartridges



Installation Manual
Brother 980/990
Version 1-2010

Congratulations on your purchase of a RIHAC Continuous Ink Supply System (CISS). Before using the system please read this manual carefully. It will help you install the system correctly and ensure trouble free printing.

Great care is taken to prepare your CISS for trouble free installation. Your CISS has been pre-filled and should be ready for immediate installation into your printer (except international ciss).

Please be aware that some of the pictures in this manual may not represent the printer you are working with.

Please refer to the back of this instruction manual for assistance with troubleshooting. Alternately you can contact us via email – info@rihac.com.au or phone on 61(3) 9005 5555 for technical support and troubleshooting.

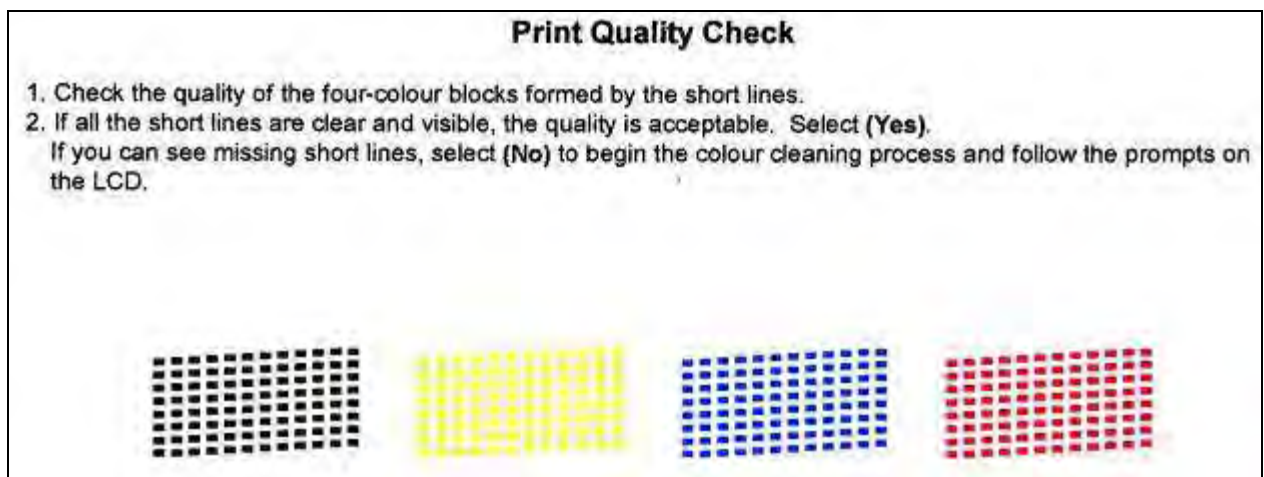
1. Printer Pre-Check

Before opening your CISS, please perform the following tests with original cartridges to ensure your printer heads are in good condition.

- a) Produce a print quality test print.

Press the ink management button located on your printer. Using the arrow button to select the appropriate menu then press the ok button.

Your printer should print a chart similar to the following depending on your particular printer model:



Does your test print look like the one above? If it does, retain the print out for warranty purposes and proceed with the installation of your CISS. If the print out is not satisfactory, follow the prompts on the LCD to clean the print head.

2. Preparing CISS for Installation

a) Please ensure the following are present with your CISS.

- Air filters x4
- Syringe
- Large filler needle
- Small priming needle
- Travel plug
- Double sided tape
- Spare grommets and elbow joint



b) Remove your CISS from the box and check that there are no leakages or cracks and that the silicone tubing is not damaged.

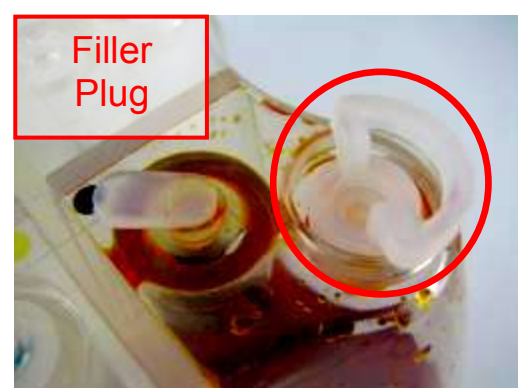
c) Inspect the silicone tubing for air pockets.



If you have an excessive amount (5cm or more) of air in the tubing, you will need to prime the unit. Please refer to page 8 of this installation manual.

This will prevent any problems with your print quality further down the track.

d) Carefully remove the small travel plugs and large filler plugs from the CISS.



- e) Using the syringe with no needles attached, place the syringe in to the top of the hole exposed by the smaller travel plug. (This is the top of the air balance tube) push down on the syringe until you see the main chamber bubbling.

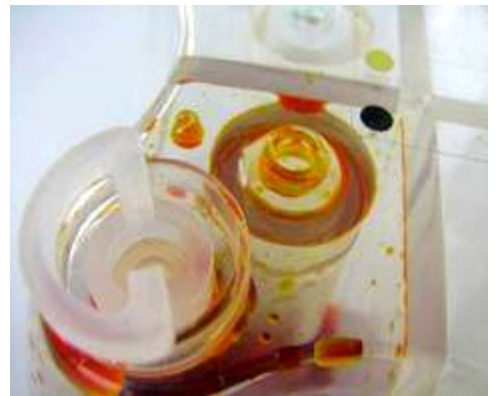


Push down slowly on syringe

Ensure that the filler plug is removed.



- f) Replace the filler plug THEN remove the syringe slowly. Do this for all the colours.



- g) Insert all the air filters into each air reservoir. The **smaller end** should be placed into the air reservoir.



- h) Place the CISS on the right hand side of the printer.



3. Installing CISS

- a) Remove the original cartridges if you have not done so already.



- b) Carefully install the RIHAC CISS cartridges in to the cartridge bay ensuring the correct coloured cartridge is inserted into the correct coloured bay.



- c) Ensure each of the cartridges are clicked into position. When clicked into position the cartridge levers will click into the upward position.



UP POSITION (locked)

DOWN POSITION

4. Isolating cover switch

- a) With the CISS cartridges installed, the cartridge door cover will not close enough to activate the 'door close' sensor switch.



- b) Using one of the travel plugs you have removed from your ink reservoir, activate the switch by inserting the plug into the sensor as depicted.



5. Finishing Touches

- a) Remove the backing to the double sided tape located on the rear of the tubing clip. Attach the tubing clip to the right hand side of the printer



- b) Perform a cleaning cycle found in the ink management menu (section 1, printer pre check) to ensure the ink supply system is functioning correctly.

6. Refilling CISS.

- a) Do not allow the ink levels to fall below the refill line. To refill each ink simply **remove the air filters and replace the travel plugs** (to prevent the air balance chambers filling with ink) for the colour in which you are refilling.



Refill Line



- b) Remove the filler plug and carefully pour or syringe the correct coloured ink into the appropriate ink reservoir. Please ensure to double check the colour with the sticker located on the bottle and the top of the tank.



- c) Replace the filler plug once filled. Remove the small travel plug replacing it with the air filter.

DO NOT REFILL YOUR SYSTEM WITH CHEAP QUALITY IMPORT INKS!

Quality refill inks can be purchased directly from rihac online at
www.rihac.com.au

Caution

To ensure ink does not fill the air chamber when refilling your unit, it is imperative that the air filter is replaced with the travel plug and that both the travel plug and refill plug are not removed at the same time.

7. Priming CISS

Only prime your CISS if excessive (5cm or more) air is present in the tubing. Smaller amounts of air in the tubing will clear by themselves during the initial installation of the CISS. It is highly recommended that you wear gloves, as well as having some tissues handy to soak up excess ink.

- a) Prepare your workstation ensuring that you have a bottle or cup to squirt any excess ink and air into.
- b) Remove the cartridges from the printer (if they have been previously installed) Place your unit on a table. Place the small sharp hypodermic needle (not long filler needle) onto the syringe provided.



- c) Ensure all the travel plugs and been replaced into the top of the reservoirs. Also ensure the filler plugs are also in place.



Travel plugs (smaller plug)

Filler plug (larger plug)

- d) Gently place the syringe through the large filler plug located on the top of the ink reservoir of the colour that needs priming. The plug is made from 'self healing' silicone and will not be damaged by the hypodermic needle. The needle should be inserted only enough to enter the air void and not into the ink.



- e) Gently syringe 10mls of air from the reservoir without removing any ink in the process.
- f) Withdraw the syringe from the plug and discard the air. The process of removing the air from the reservoir will cause air from the cartridges to be drawn into the primary reservoir.



- g) Gently pull out the large filler plug from the ink reservoir. The air pressure in the reservoir (changed by removing air with the syringe) will neutralize with the outside air and force the ink down the lines to the cartridges.



- h) Re-insert the large filler plug.
- i) Repeat steps d-h for all colours that require priming.
- j) If you find that there is still air in the tubing you can repeat the process until the tubes are relatively full on ink.