



Hewlett Packard®

Black
Cartridges

#51640A / 51640C / 51640M / 51640Y (#40),
51645A / 52645C / 51645M / 51645Y (#45), 51644C / 51644M /
51644Y (#44), 51650C / 51650M / 51650Y (#50), C6615 (#15)

IMPORTANT: Prior to begin working on any cartridge, find a suitable area (i.e. a sink or over paper towels) where you can tolerate any ink spill.

Note: For best results and to avoid printing with out ink and damaging the **PRINT HEAD** (the metal plate where the ink comes out), immediately refill empty cartridges.

1. Turn the cartridge upside down with the print head facing up.
2. Using the included Blue hole making tool (mini knife) or a packet knife, remove the plastic film covering the stainless steel ball bearing that seals the filling hole (as shown in image).
3. With the included drill bit, a ballpoint pen or other similar object push the ball bearing into the cartridge. A soft tap may be needed to push the ball in.
4. Remove the plastic cover from the needle and connect the needle to the syringe.



5. Fill the syringe with 10 ml. of proper color ink for your cartridge.

6. Very S-L-O-W-L-Y inject approximately 20 ml. of ink, or until ink just begins to rise at the top of the filling hole. If ink begins to rise at the filling hole stop and draw out 1 ml., as the chamber is full. Any unused ink can be returned to the bottle.

7. Repeat steps 5 trough 6 until cartridge is full.

8. Prior to sealing the filling hole, squeeze the sides of the cartridge, clean any ink that may come out trough the filling hole and firmly push in a Yellow plug into the cartridge as far as it can go. Leaving only enough space to pull out the plug in the future cut off any excess. **Optional: Electrical tape or a Green tape dot can be also be used to seal the filling hole. Note: Make sure the filling hole is sealed airtight, as otherwise the cartridge will leak.**

9. Using a pan or at the sink, allow the cartridge to stand with the print head facing down for about 2 minutes to draw out any excess ink and equalize the pressure in the cartridge. **Important: During this process make sure the print head doesn't touch paper, as it will draw all the ink out.**

10. Gently wipe off any ink that may be at the print head. If after cleaning the print head, a large drop of ink begins to form, place the cartridge on its side with the copper circuitry facing up for about 30 minutes.

11. Reinsert the cartridge in printer and run a priming cycle as per your printer instructions.

12. If ink is not coming out, remove the cartridge from the printer, fold a paper towel in four parts and applying some pressure place the print head against the paper towel for about 5 seconds. Remove the cartridge from the towel and verify that a solid mark is left on the towel. Repeat this step as necessary until a solid mark of ink shows on the paper towel. Reinstall the cartridge and begin printing.

13. Rinse the syringe and needle with water and store for future use.