



Brother HL-1110 family refill instructions

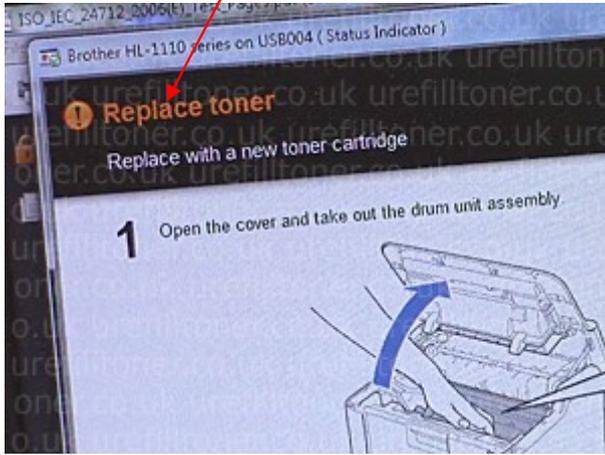
Before use, familiarise yourself with the safety information on pages 7 and 8.

Consider doing the refill on top of sheets of old newspaper in case of accidental spills.

Reset first, refill only when you get fade out

Reset the toner cartridge when you get a "Replace toner" message coupled with a refusal to print. Don't do anything in response to any other message.

For models that lack a large LCD display, this is generally accompanied by flashing lights and a pop-up message on your computer screen.



For most DCP and MFC models, you'll get a "Replace toner" message on the LCD display of the machine itself.

For all models, the printer will *refuse to print* at this point.

Now's the time to reset.

Important!

Under no circumstances respond to this situation by putting more toner in, just reset

Pages 3 and 4 give you a "hard reset" method which will work for any model in this family, but involves a bit more work and fiddling. If your printer isn't mentioned in the following 3 sections, perform the "hard reset".

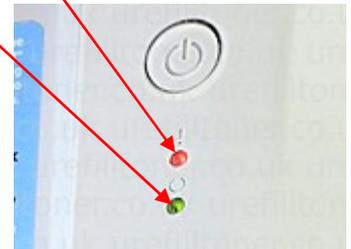
If you try the methods in the following 3 sections, but your printer does not reset, perform the "hard reset".

Whichever technique you use to reset, the idea is to then carry on printing until your cartridge fades out. And only then refill it with toner.

How to reset: HL models

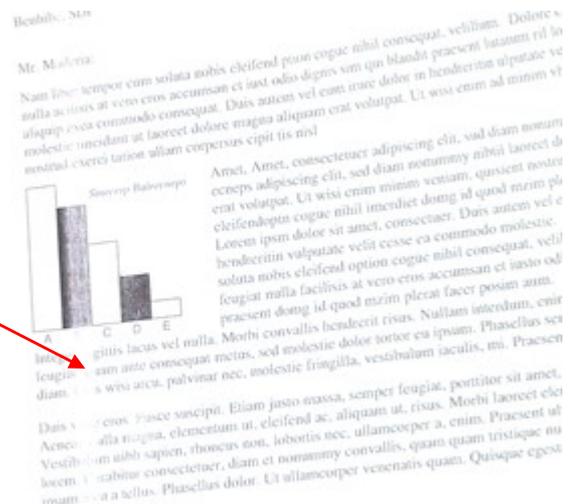


- 1) Press the button firmly 7 times in a row
- 2) Wait 45 seconds
- 3) Note now: orange flashing
Green on constant



Now keep printing until your cartridge starts to show streaks of fade out, like this

Once you've got fade out, refill your cartridge as on page 5





How to reset your DCP-1510, 1511, 1512 or 1514

Press Menu > press ▲ or ▼ to choose 1. General Setup > press OK

Press ▲ or ▼ to choose 4. Replace Toner > press OK

Press ▲ or ▼ to choose Continue > press OK

Press Stop/Exit

Now keep printing until your cartridge starts to show streaks of fade out, like this

Once you've got fade out, refill your cartridge as on page 5



How to reset your MFC-1810

Press Menu, 1, 7

Press ▲ or ▼ to choose Continue > press OK

Press Stop/Exit

Now keep printing until your cartridge starts to show streaks of fade out, like this

Once you've got fade out, refill your cartridge as on page 5

If your printer fails to respond to any of the reset methods given so far, don't worry: just do a "hard reset" as on pages 3 and 4.



Hard reset

For all other models or if your model fails to respond to the reset methods above



Your new machine arrives with a so-called "starter cartridge". It's different from the TN-1050 cartridges you can buy.

Bought cartridge

Starter cartridge

To hard reset a starter cartridge for the first time ...

... fit reset wheel and replacement end plate

1) Take out two screws and remove end plate



2) Remove cog



3) Fit reset wheel onto end spindle in position as shown



4) Refit previously removed cog





4) Fit supplied end plate. Note gap in plate (not present in starter cartridge plate)



6) Replace screws. Gap in plate now here, allowing space for reset wheel



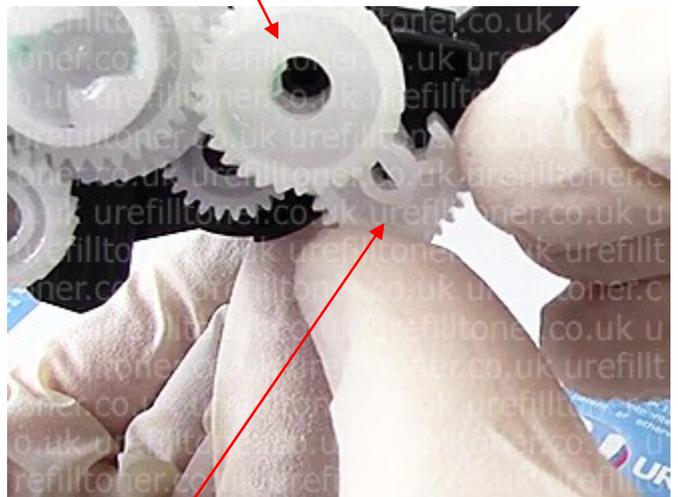
To hard reset a bought cartridge

Also applies to a starter cartridge that you've previously added a reset wheel and replacement end plate to.

1) Remove end plate as shown above. Note "fired" position of reset wheel



2) Lift cog up slightly

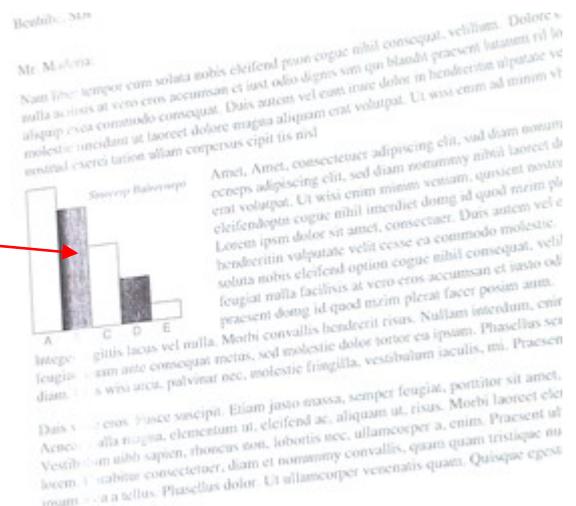


3) Turn reset wheel clockwise into loaded position

4) Lower lifted cog back down again

5) Fit end plate back onto cartridge

Whichever model you have reset, now carry on printing until you get toner fade out. Then refill as on the next page





Put more toner in

- 1) Shake toner bottle well. Attach pouring spout firmly
- 2) To guard against all leaks, wrap tape around spout where it joins the bottle. Leave to one side
- 3) Use screwdriver to break off plastic spot weld



- 4) Loosen plug by levering upwards on plug flange on either side of the plug

Important! Don't shove the screwdriver down the side of the plug. Only lever upwards onto the flange

- 5) Take plug out



- 6) Lean the toner cartridge to a low angle
Marry up the end of the spout also at a low angle
Jam the spout into the hole and hold tight



- 7) Bring cartridge and bottle up to almost vertical
- 8) Allow toner to flow in for a slow count of 5
- 9) Bring cartridge and bottle back down to a low angle without breaking their contact
- 10) Disengage bottle from hole
- 11) Shake bottle with finger over end of spout and do another pour to get last of the toner out
- 12) Clean any stray toner from the cartridge with the swab provided
- 13) Put plug back in. That's it



Any time you get the "Replace toner" message, RESET

Any time you get toner fade out, put more toner in



Three refills, and maybe then some

If you've been following us since the early 1990s (and who hasn't) you might know that we put "our corporate neck on the chopping block and say that the rule of thumb is **three refills, and maybe then some**".

As far as problems due to "wear and tear" go, the HL-1110 is example of "and then some". During testing we got multiple refills out of the starter cartridge, for example.

"Toner Ended" message?

On page 46 of the PDF User Guide for the HL-1110, you can find the following comment about what happens after you use the "7-presses" technique to put your machine into continue mode ...

"The machine will continue printing until the LEDs indicate **Toner Ended**"

And, you ask, how do the LEDs indicate "Toner Ended"?

"The Error LED (!) will blink once in 1.5 second intervals"

Which apart from the difficulty we had in judging the length of a 1.5 second interval, is the **same signal** as for "Replace Toner", which of course we're swerving around with the 7-presses ritual.

Anyone not confused yet?

Long story short: we did 7 refills and printed 9,215 copies: mixing a refilled starter cartridge with refilled bought cartridges willy-nilly. At no point were we stopped from printing.

But if the "Toner Ended" message does stop you printing, do the hard reset as on pages 3 and 4.

Other things the machine uses

Don't forget that as well as the toner cartridge, your machine also uses a drum unit ...

DR1050 quoted as yielding 10,000 prints

It has its own duty cycle which isn't affected by whether or not you refill the toner cartridge.

See the section "Consumable items" in your PDF User Guide for more on that.



Safety Data Brother HL-1110 type toner

Only to be used by a competent risk-aware adult. Not to be used by children.

Take maximum precaution when using a screwdriver as a lever: consider safety and protection of eyes and hands from sudden slippage or unexpected freeing of the tool.

Avoid inhalation of product. Avoid eye and skin contact. Do not ingest. Avoid sources of ignition while pouring and at all times.

1 Identification of the substance and the company

| | |
|--------------|--|
| Product name | Brother HL-1110 type refill toner |
| Part no. | BR1110BOT |
| Supplier | U Refill Toner Ltd. Contact details as per page header |

2 Hazards identification

| | |
|--------------------------|--|
| Classification | Not believed to be classified as hazardous according to OSHA CFR 1910.1200 or EU Directive 1999/45/EC, as amended. |
| Acute health effects | |
| Skin contact | Unlikely to cause skin irritation |
| Eye contact | May cause irritation |
| Inhalation | Irritation to respiratory tract if exposed to large amounts of toner dust |
| Ingestion | Unlikely when used as intended. Acute oral toxicity is believed to be low |
| Potential health effects | |
| Routes of exposure | Skin contact, eye contact and inhalation. Ingestion unlikely. |
| Chronic health effects | Prolonged inhalation of excessive amounts of any dust may cause lung damage |
| Carcinogenicity | Carbon black is classified by IARC as group 2B (possible human carcinogen). Carbon black in this preparation, due to its bound form, is not believed to present this risk. Polypropylene (9003-07-0) is classified by IARC as group 3 |

3 First aid measures

| | |
|-------------|--|
| Inhalation | Move person to fresh air. If breathing is difficult, obtain medical assistance |
| Eye contact | Flush with plenty of low pressure water for at least 15 minutes. Do not rub eyes. Remove contact lenses to ensure thorough flushing. |
| Skin | Wash with water, obtain medical attention if ill effects occur |
| Ingestion | Seek medical advice. Oral toxicity is believed to be low. |

4 Fire fighting measures

| | |
|----------------------------------|---|
| Hazardous combustion products | Carbon monoxide and carbon dioxide |
| Extinguishing media | Water, dry chemical, carbon dioxide or foam |
| Special fire fighting procedures | Avoid inhalation of smoke. A self contained breathing apparatus and suitable protective clothing should be worn. |
| Unusual fire & explosion hazards | Toner is a combustible powder; formation of an explosive dust-air mixture is possible. Avoid all ignition sources if toner has been dispersed in air. |

5 Accidental release measures

| | |
|---------------------------|---|
| Spill/leak procedure | Sweep up or vacuum spilled toner and transfer into sealable waste container. Sweep slowly to minimize generation of dust. If vacuum is used, the motor must be rated as dust tight and safely applicable to the vacuuming of toner dust. Residue can be removed with soap and cold water. Garments may be washed or dry-cleaned after removal of loose toner. |
| Environmental precautions | Do not flush into surface water or sanitary sewer systems. Dispose of waste material in accordance with all applicable laws. |

6 Handling and storage

| | |
|----------|---|
| Handling | Keep containers closed when not in use. Handle and open containers with care. Use with adequate ventilation. Avoid inhalation of dust and contact with skin and eyes. Keep away from sources of heat, sparks and open flames. |
| Storage | Store at room temperature in the original container. Keep container tightly closed and dry. Do not store with strong oxidizers. |

7 Exposure controls and personal protection

| | |
|-------------------------------|--|
| UK exposure guidelines | WEL: 10mg/m ³ (inhalable dust), 3mg/m ³ (respirable dust) |
| Personal protective equipment | |
| Eye / face | Wear dust resistant safety goggles if there is danger of eye contact |
| Hands / skin | Wear protective gloves |
| Respiratory protection | Wear approved respirator for dust when exposure exceeds permissible limits |
| Additional measures | Use in a well ventilated area. Use engineering controls to reduce air contaminants to permissible limits. Wash hands after use. |

8 Toxicological information

| | |
|-----------------------|--|
| Oral toxicity | Tests on toners have indicated there is no evidence of acute oral toxicity. Not classified for acute oral toxicity according to EU Directive 67/458/EEC and 1999/45/EC |
| Inhalation toxicity | No data |
| Eye irritation | Not classified as irritant according to OSHA HCS and EU 67/548/EEC as amended |
| Sensitization | Not classified as sensitizer according to OSHA HCS and EU 67/548/EEC as amended |
| Chronic toxicity | No data |
| Carcinogenicity | Carbon black is classified as a group 2B by IARC, but carbon black is present only in bound form in this preparation. Polypropylene (9003-07-0) is classified by IARC as group 3 |
| Mutagenicity | Negative (AMES test) |
| Reproductive toxicity | Not classified as toxic according to EU 67/548/EEC as amended |

9 Ecological information

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|-----------------------------------|
| Not tested for ecological effects |
|-----------------------------------|

10 Disposal considerations

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|--|
| Collect into tightly sealed containers. Dispose of waste in accordance with all local laws. Do not throw in open fires in order to prevent risk of dust explosion. |
|--|

11 Transport information

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|---------|---------------|
| General | Not regulated |
|---------|---------------|

12 Other information

| | |
|-------------------------|--------------|
| Labelling EU 67/458/EEC | |
| R & S phrases | Not required |
| Hazard symbol | Not required |



Notice. All safety information is given to help facilitate the safe use of this product and is based on information obtained from the manufacturer. This information is believed to be correct, but does not purport to be all-inclusive and shall only be used as a guide. U Refill Toner Ltd makes no warranty, express or implied, as to the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and / or compliance with local laws and regulations.

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If you the purchaser decide not to go ahead with refilling for whatever reason, simply return the product or products to U Refill Toner Ltd and we will cheerfully refund your money. Your statutory rights are unaffected.

Refills by you ... thanks to you

Thanks for refilling the toner cartridges in your printer. We invented "do-it-yourself" toner refills in 1992, "melt & pour" in 1996 and put "unplug & pour" into internet-speak in 2002. We've never tried to patent or otherwise restrict the use of these ideas.

If you liked our product, please recommend us to friends and colleagues. We've survived for over 20 years – fighting giant corporations that dwarf us – thanks to your custom and recommendation. No one here takes that, or you, for granted.

U Refill Toner. Now needed more than ever. Now refined more than ever.

- ✓ more than halve the cost
- ✓ halve CO₂
- ✓ defend your consumer choices and right to reuse



*Original and largest selling
do-it-yourself toner refill*

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Updated October 2015 to include hard reset for all models.