



Brother HL-L2300d refill instructions

Before use, familiarise yourself with the safety information on pages 6 and 7. Consider doing the refill on top of sheets of old newspaper in case of accidental spills.

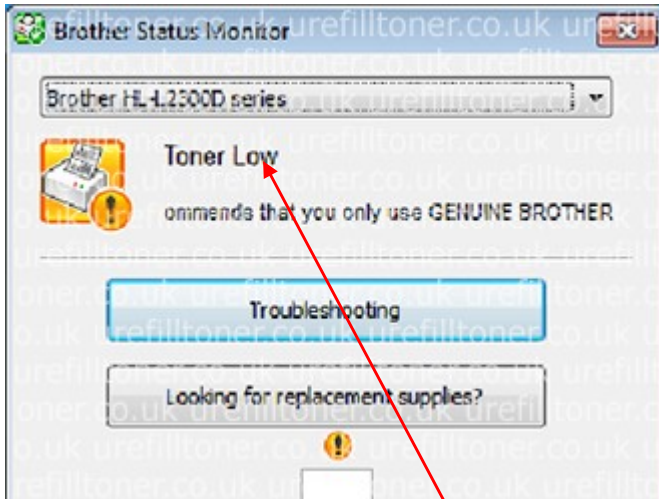
Compatibility of the toner

HL-L2300d, HL-L2340dw, HL-L2360dn, HL-L2365dw
DCP-L2500d, DCP-L2520dw, DCP-L2540dn, DCP-L2560dw
MFC-L2700dw, MFC-L2720dw, MFC-L2740dw

OK for Brother original cartridge codes TN-2310 (1.2K yield), TN-2320 (2.6K yield) and the starter cartridge that arrives with the new machine.

The starter cartridge and bought cartridges are the same for the purpose of refilling. Whichever type of cartridge you refill, it comes out as high capacity after using this product.

Ignore "Toner low" messages and associated lights



Completely ignore the "Toner low" messages of any kind. For models that have a toner light, it will flash: ignore that too

Do reset when you get "Replace toner" pop-up or LCD panel message



If your machine has an LCD display (which is most of them), it will say "Replace toner".

For models that have a toner light, it will now be on steady (i.e. not flashing).

For all models: at this point the printer refuses to print, which is a bit of a give away sign.

Now is the time to **reset**, with a view to carry on printing until you get fade out.

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

We detail the reset procedures for the different models in the following 2 pages

After resetting, carry on printing until you get fade out similar to the image at the bottom of page 3. Then, and only then, pour in the bottle of toner as described on page 4.

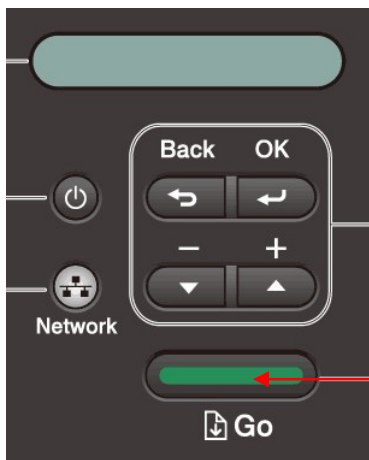


To reset HL-L2300d



Press the green **Go** button seven times in succession

To reset HL-L2340dw, HL-L2360dn and HL-L2365dw



When "Replace toner" shows on the LCD panel ...

Try: press the green **Go** button seven times in succession.

If that fails ...

- > press ▼ or ▲ until you get "General setup"
- > press OK
- > press ▼ or ▲ to select "Replace toner"
- > press OK
- > press ▼ or ▲ to select "Continue"
- > press Go

To reset DCP-L2500d, DCP-L2520dw, DCP-L2540dn



When "Replace toner" shows on the LCD panel ...

- > press Menu
- > press ▼ or ▲ until you get "General setup"
- > press OK
- > press ▼ or ▲ to select "Replace toner"
- > press OK
- > press ▼ or ▲ to select "Continue"
- > press OK
- > press Stop/Exit



To reset MFC-L2700dw





When "Replace toner" shows on the LCD panel ...

- > press Menu
- > press ▼ or ▲ until you get "General setup"
- > press OK
- > press ▼ or ▲ to select "Replace toner"
- > press OK
- > press ▼ or ▲ to select "Continue"
- > press OK
- > press Stop/Exit

To reset DCP-L2560dw, MFC-L2720dw, MFC-L2740dw



- > Press  Settings
- > navigate to "All settings"
- > navigate to "General setup"
- > navigate to "Replace toner"
- > press "continue"
- > press  Home

After resetting, carry on printing until you get fade out

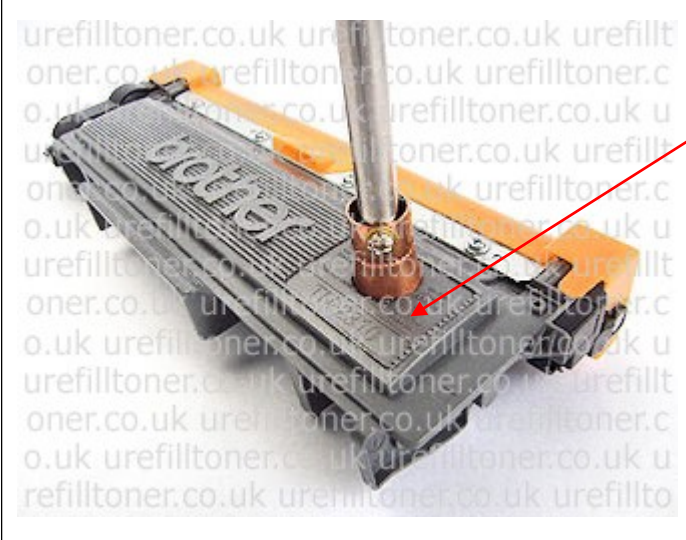


Now that you've reset, and the machine's printing again, just keep printing until you get fade out from actual lack of toner powder in the cartridge: then refill it.

Typical fade-out due to lack of toner develops **progressively** as shown in these three prints





How to refill it

	<p>Find this flattish area near the product code</p>
	<p>Melt hole in this exact position</p> <p>Shake bottle before pouring</p> <p>Pour in toner holding cartridge at approx. 45 degree angle</p> <p>Clean surface with alcohol swab</p>
	<p>Fill groove of blanking plug all the way round with bathroom sealant, a rubber-based glue like Copydex, or silicon glue</p> <p>Plug hole, allowing edges of melted hole to marry up with glue-filled groove of the plug</p> <p>Check the plug for toner leakage every now and then. If there's any slight leakage, clean and seal with a small amount of silicon glue.</p>



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-L2300D is example of "and then some". During testing we got multiple refills out of the starter cartridge, for example. And did nearly 11,000 test prints all told.

"Toner Ended" message?

Delve deeply enough into the PDF User Guides for this family of printers, and you'll find the suggestion that sometime after you've repeatedly pulled the trick of "resetting", the machine won't have it any more and then you'll get the "**Toner Ended**" status.

Long story short: we did 6 refills and printed 10,911 copies while mixing a refilled starter cartridge with refilled bought cartridges willy-nilly. At no point were we stopped from printing. So we've released this product on the basis that the reset/refill technique is good for at least 10,911 prints (as we weren't able to provoke or witness a "**Toner Ended**" message during testing) .

The possible "hard reset" solution of the future

Should the much anticipated "**Toner Ended**" message appear. And should that state be insuperable by the techniques found in these instructions. Or should a reset technique fail for your particular model, we do foresee a fix.

It's a catch-all fix for all models that use the TN-2310 or TN-2320 cartridges. In fact, it's the one the cartridges themselves use.

It involves putting a wheel found in the cartridges back to a certain position. That achieves the reset and we call it a "hard" reset because it depends on physical mechanisms.

The draw back is that, at the time of releasing this product, we don't have independently produced reset wheels available. And starter cartridges (probably not by any accident) don't have them on. This would mean that the only way to get a "hard" reset on a starter cartridge would be to buy a Brother original cartridge and cannibalise the reset wheel off that.

Although, we, in fact did exactly that (and that's how we know all this is true), of course people are interested in refills precisely so that can avoid buying original cartridges. Duh!

For that reason, we're releasing this kit on a "soft" reset and a prayer as the best way of helping people save money quickly.

We would look to usher in a "hard" reset solution were it seen to be needed once it were technically possible.

Other things the machine uses

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

DR-2300 quoted as yielding 12,000 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.



Use and safety of the melting tool



The tool needs at least 5 minutes to reach an efficient melting temperature.

To melt a hole, apply a light force similar to pressing on paper with a ballpoint pen. Ease off the pressure as the tool sinks into the plastic.

During the first 6 minutes of the first ever use, smoke will come out of the heated part of the tool as manufacturing lubricants burn off. This is normal.

Use a screwdriver to push out the residual plastic plug while the tool is still hot.

Occasionally, the plastic plug falls inside the cartridge. Try and get it out using tweezers or pliers if you can. A piece of plastic this size inside the toner compartment doesn't usually do

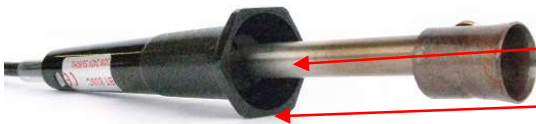


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any harm, but be aware that it's there and retire the cartridge if it shows signs of physically jamming.

Important safety information

- To be used only by a competent, risk-aware adult.
- Use only in a well-ventilated situation. As with the combustion of any organic substance (such as petrol or tobacco) a cocktail of gases can be produced and some of these are harmful or at least irritant.



- All metal parts of the tool get dangerously hot. Never touch any metal part of the tool, including the steel shaft near the plastic handle.

- When not in hand, the tool is designed to be rested at an angle created by the flange of the handle, keeping the hot parts suspended above your surface. But take care that the power cable doesn't force the handle to rise and the hot end

of the tool to dip.

- Take care not to melt through the tool's own electric cable.
- Do not use the tool with the end-piece or blank filler tip removed.
- Turn off and unplug the tool as soon as you've melted your hole. Leave to cool at least 2 metres away from your toner pouring area.
- Do not leave on for more than 30 minutes at a time.
- After use, allow the tool to cool down naturally. Do not immerse in water.
- Take all precautions for the use of a powered hand tool. Use eye and hand protection.

Assumption of risk notice

We ourselves have no hesitation in researching and refilling cartridges using the melting technique in a well-ventilated room. However, the company gives no warranties, neither explicit nor implicit, as to the safety of melting holes in toner cartridges or the use of the melting tool. Any activity or process has an element of risk. The onus is on you, the purchaser, to assess any possible risk, including the inaccuracy or incompleteness of currently available information. If you decide not to go ahead, return the product to us and we'll cheerfully refund your money. This offer is additional to your statutory rights.

©® Ownership of all intellectual property relating to the melting tool has been asserted and secured.

Safety Data Brother HL-L2300D type toner

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

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-L2300 type refill toner
Part no.	BR2300BOT
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/m3 (inhalable dust), 3mg/m3 (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

Not tested for ecological effects

10 Disposal considerations

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.
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11 Transport information

General	Not regulated
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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.

All information offered is believed to be true and is offered for consideration in good faith. However, U Refill Toner Ltd gives no warranties, neither explicit nor implicit as to the completeness or accuracy of any information offered nor the ultimate safety of refilling toner cartridges in any manner described or suggested nor the ultimate safety or hazardousness of products supplied by U Refill Toner Ltd. The onus is on the purchaser to evaluate all possible risk, including the possible incompleteness or inaccuracy of currently available information, and by proceeding to use the refill product or products, the purchaser thereby assumes all risk of peril or injury howsoever arising.

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 laser toner refill*

[youtube.com/user/urefilltonerUK](https://www.youtube.com/user/urefilltonerUK)

[facebook.com/urefilltoner](https://www.facebook.com/urefilltoner)

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