

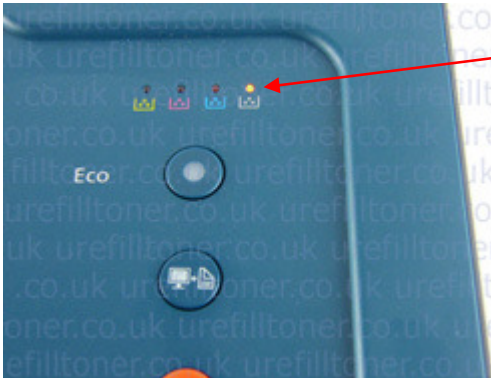


How to refill CLP-360, CLP-365, CLX-3305

Before use, familiarise with the safety data on pages 5 and 6.
Consider doing the refill on top of sheets of old newspaper in case of accidental spills.

When to refill

Ignore blinking toner light on printer panel and any computer screen pop-up messages that say "Prepare new _ _ toner cartridge"



Refill **EITHER** at constant (not flashing) toner LED light on printer panel (the machine also refuses to print at this point)

OR

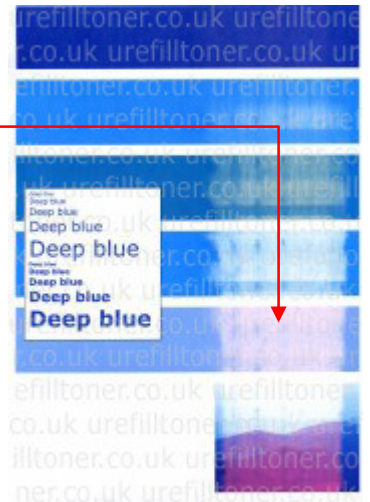
Refill at **toner fade out** **WHICHEVER** occurs first.

Warning: only refill the target cartridge. I.e. the cartridge indicated by the constant (not flashing) toner LED light or the cartridge that has faded out. **DO NOT** refill them all "while you're at it"! We mean it!

Knowing which cartridge is fading out

You'll see from your prints that something's fading, but depending on what you're printing, it's not always obvious which colour is the culprit. The mainly blue image right shows the kind of counter-intuitive effect you can get

Cyan cartridge starting to fade. What should be royal blue is actually pink



It's crucial to know which of the four cartridges to refill. Download this 4 colour A4 swatch from:

<http://www.urefilltoner.co.uk/downloads/toner-refill-fade-out-swatch.pdf>



Print the swatch a few times and identify the fading cartridge as follows in this table:

Colours affected on swatch	Cartridge fading
Black only	Black
Blue only	Cyan
Blue and orange	Magenta
Yellow and orange	Yellow

Having identified the fading cartridge, refill it according to the "How to refill it" section below. **But remember, if you've had the constant (not flashing) toner LED light, you can refill that colour straight away without waiting until fade out.**



How to refill it

1. Turn on melting tool and leave to heat for at least 5 minutes (for full information on the use and safety of the melting tool and melting blade, see page 5).
2. Melt hole as shown below. Note bulkhead of black cartridge is raised whereas colour cartridges are flat.



3. Shake unopened bottle vigorously for 5 seconds.
4. Open toner bottle and screw on spout.
5. To avoid leakage of micro fine toner, wrap any kind of tape around join between spout and bottle: selotape, brown parcel tape, gaffa tape etc.
6. Hold cartridge near vertical with left hand. Use other hand for bottle.
7. Keeping bottle below horizontal, marry spout with hole.

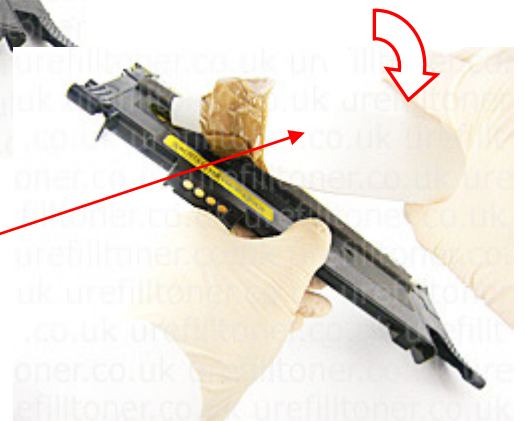


8. Up-end bottle into hole for a slow count of 5, leaning cartridge back to about a 20 degree angle.

Note: due to shallow bulkhead, take more time and care when refilling cyan, magenta and yellow cartridges



9. Bring cartridge near vertical again, rotating bottle back down to horizontal position and disengaging from cartridge as you do so.



10. Shake bottle with finger firmly over end. Repeat pouring routine until no toner left in bottle.
11. Clean surfaces around hole with swab. Allow alcohol to evaporate.
12. Unpeel Gaffa tape patch from backing and apply to hole as shown. To avoid leaks, aim for a firm contact to all flat surfaces near entrance of hole.

Note: Gaffa tape (also know as "duct tape") patches are included with this kit for completeness. It's the best kind of tape for sealing over the irregular surfaces near the toner refill hole, so you might want to make sure you've got a roll of it for the future.



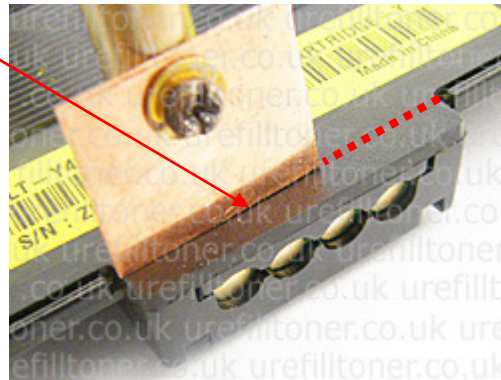


13. Locate position of chip



14. Turn on melting *blade* and leave to heat for at least 5 minutes (for full information on the use and safety of the melting tool and blade, see page 5).

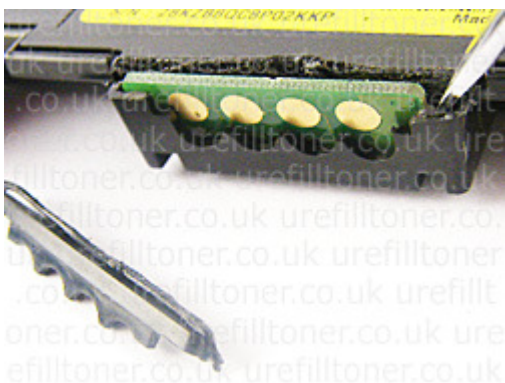
15. Use blade to melt through top of chip frame in position shown



16. Breakaway strip of plastic with screwdriver if required



17. Gently ease out spent chip from frame



18. Insert replacement chip into frame with rectangular slot on left hand side. End result looking something like this





Other consumables used by the printer

Besides the four toner cartridges, the printer also uses an imaging unit and a waste toner container.

These components have their own life-cycle which isn't affected by whether or not you refill the toner cartridges. Refer to your manual for full details.

Limits to refilling a cartridge

Our repeat refilling of these cartridges on our own CLP-360, shows that 3 to 5 refills cartridges can normally be expected.

The defect that stops the fun will be different depending on what fails: doctor blade, dev roller, retaining blade or something else. Suffice to say, if you've got a persistent print defect that isn't attributable to toner fade out as (as described on page 1) then there's not much you can do but buy a new cartridge and start again. If that doesn't fix the problem, you need to think seriously about whether it's actually the imaging unit that needs replacing: but this is more expensive, which is why we suggest changing the toner cartridge first.

Don't update your firmware

The way the printer responds to chips can be modified by updating its firmware. **Do not allow the printer to update firmware across the internet.** If possible, disable any default options to do this. Firmware updates can refuse to recognise our compatible chips. And if so, it's normally "game over" on refilling for an indeterminate length of time.



Use and safety of the melting tool and melting blade

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

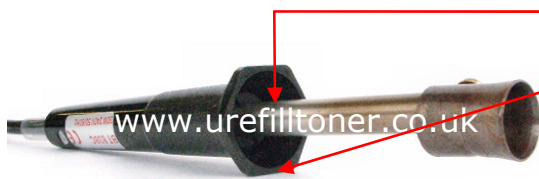
Occasionally, the plastic plug falls inside the cartridge. Try and get it out using tweezers or pliers if you can. A piece of plastic this size inside the toner compartment doesn't usually do any harm, but be aware that it's there and retire the cartridge if it shows signs of physically jamming.

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



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shaft near the plastic handle.

- 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. Consider the use of 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 Samsung CLP-360 type toner

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.

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	Samsung CLP-360 type refill toner
Part no.	SA360BOTB, SA360BOTC, SA360BOTM, SA360BOTY
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	May 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 (black toner only) 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.

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. Obtain medical advice.
Skin	Wash with water, obtain medical attention if ill effects occur
Ingestion	Rinse out mouth with water. Drink one or two glasses of water. If large quantity swallowed seek medical advice



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. Only use vacuum cleaners with a specification which includes the safe vacuuming of toner.

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 believed to be classified for acute oral toxicity according to EU Directive 67/458/EEC and 1999/45/EC
Inhalation toxicity	No data
Eye irritation	Not believed to be classified as irritant according to OSHA HCS and EU 67/548/EEC as amended
Sensitization	Not believed to be classified as sensitizer according to OSHA HCS and EU 67/548/EEC as amended
Chronic toxicity	No data
Carcinogenicity	Carbon black (black toner only) is classified as a group 2B by IARC, but carbon black is present only in bound form in this preparation.
Mutagenicity	Negative (AMES test)
Reproductive toxicity	Not believed to be 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.

- ✓ halve CO₂
- ✓ more than halve the cost
- ✓ don't be doormat for big manufacturers



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

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