



How to refill Lexmark C540n, C543dn, C544n

Suitable for use with: C540n, C543dn, C544n, C544dn, C544dtn, C544dw, C546

Can be used with starter cartridges (arrive with new machine) and all versions of bought cartridges.

Before use, familiarise yourself with the safety information on page 5.

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

Continue printing at "[Colour] Cartridge Low" message

Along with this message the printer's Indicator light blinks red and machine will stop printing

Press ✓ (Select) to clear the message and continue printing: **do not refill.**

Refill and change chip only at "Replace [Colour]" message

How to refill it



Refill when you get "88 Replace [Colour]" message on printer LCD panel, blinking indicator light and machine stops printing.

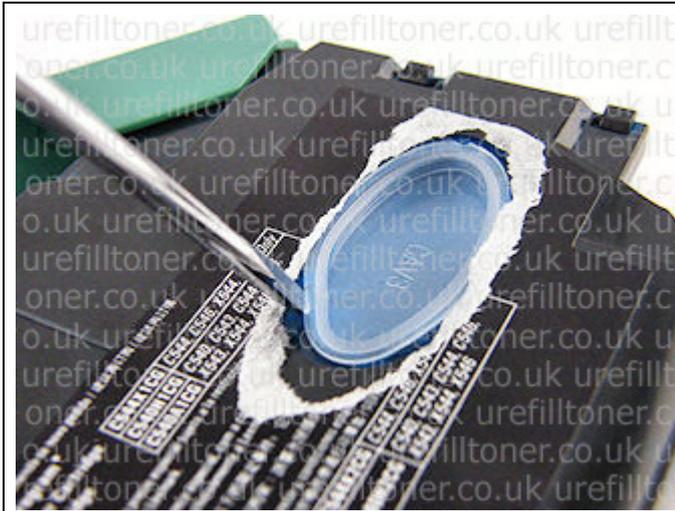
Only refill the colour indicated in this message (DO NOT "top them all up, while you're at it")



Locate oval shape plug underneath product labelling as shown



Tear away label to reveal all of plug



Gently ease out plastic plug



Shake toner bottle for count of 5

Screw on flattened spout

Wrap any kind of adhesive tape around join of spout to bottle to seal completely

Approach spout to hole in near horizontal position



Up-end as shown to pour toner for a count of 5

Return bottle to near horizontal and disengage

Seal end of spout with finger and shake again

Repeat shake/pour until you can feel there's no toner left in the bottle

Refit plug

Wipe away any stray toner with swab provided or absorbent paper

That's the end of refilling. Now change the chip as described below

Continued >>>

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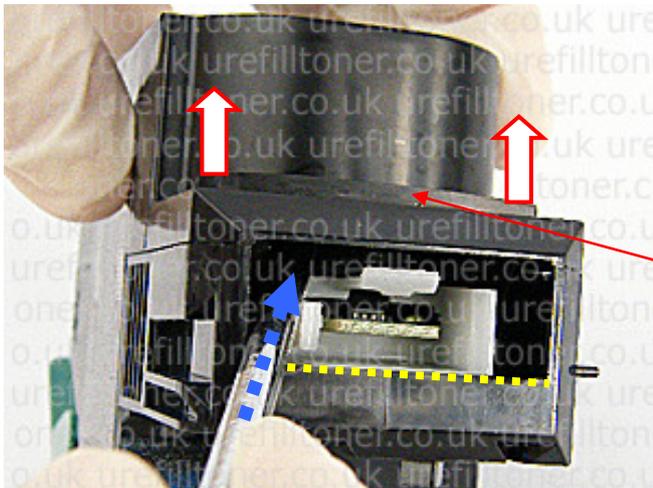
How to change the chip



This needs a bit of a "knack" and it's nigh on impossible to photograph exactly what we mean. So give yourself a few attempts if necessary

Locate opening that has white chip housing as shown

We're going to push on the inner edge of a black C-shaped retention clip



Using the Phillips head (cross-head) screwdriver, reach in and push out the C-shaped retention clip as shown by the blue arrow

Note: press only against the bottom edge of the cartridge opening shown by the yellow dotted line

If you get a bit of pressure on the right bit, the C-shaped retention clip will start to push out, like this



Pull retention clip completely out of cartridge



Pull out the white chip housing



Undo screw to remove spent chip



Fit replacement chip into housing ensuring locator hole is fitted over location post
Secure with screw



Drop white chip housing back into cartridge as shown

Slide C-shaped retention clip back into cartridge and over outer edges of white chip housing

Note: C-shaped retention clip is asymmetric and must be replaced as shown – it only goes in one way



Slide C-shaped retention clip right in until flush with cartridge body

Outer edges of chip housing are covered by C-shaped retention clip

That's it. Carefully fit your refilled, re-chipped cartridge back into your machine.



Safety Data

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

Hazards identification

Classification	Not 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 a possible human carcinogen. Carbon black in this preparation is not thought to present this risk due its bound form.

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	Rinse out mouth with water. Drink one or two glasses of water. If large quantity swallowed seek medical advice

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.

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.

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.

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.

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 by IARC as a possible human carcinogen. Carbon black in this preparation is not thought to present this risk due its bound form.
Mutagenicity	Negative (AMES test)
Reproductive toxicity	Not classified as toxic according to EU 67/548/EEC as amended

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.



Your kick-start to toner refill success: the Starter Kit

These CopyLeft instructions are substantially the same as those included with our Lexmark C543dn "Starter Kit". A Starter Kit is our "zero to hero" kick-start. It's got all the materials and know-how you need to refill your empty cartridge for the first time. Right first time.

These instructions show you **how we did it**, not how we *imagine* it could be done. On 26th August 2014 we were still using the Lexmark C543dn for production printing in our own office: 2 years after we finished using the printer for the research that resulted in this "how to refill it" guide.



Click the link below to get your Starter Kit (UK and most of Europe)

http://www.urefilltoner.co.uk/toner_refill_products.aspx?manufacturer=lexmark&engine=LEC540&printer=C543dn

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. We've survived for over 22 years – fighting giant corporations that dwarf us – thanks to the trust placed in us by customers all over the world who were prepared to give refilling their own toner cartridges a go. Rest assured, no one at U Refill Toner ever takes that trust or our astonishingly beautiful home planet for granted.

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



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