LEXMARK™

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TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS

LEXMARK™ C520 TONER CARTRIDGE

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REMANUFACTURING THE LEXMARK C520/522/524/530/532/534/734/736/738 TONER CARTRIDGES

By Javier Gonzalez and the Technical Staff at UniNet

THERE ARE THREE VERSIONS OF THIS CARTRIDGE:

1. Starter cartridge - meant for 1.5k yields (C520/530 series only)
2. Standard cartridge - meant for 3k through 6k yields
3. Extra HY cartridge - meant for 7k through 12k yields

Using a starter cartridge as a standard cartridge may cause a premature toner low message.

Starter Cartridge **Standard Cartridge** **Extra High Yield Cartridge**

Depending on the cartridge, it will have a functional actuator.

The gears need to be aligned with there adesignated marking (arrow)

Not aligning the gear train can also cause a premature toner low message.

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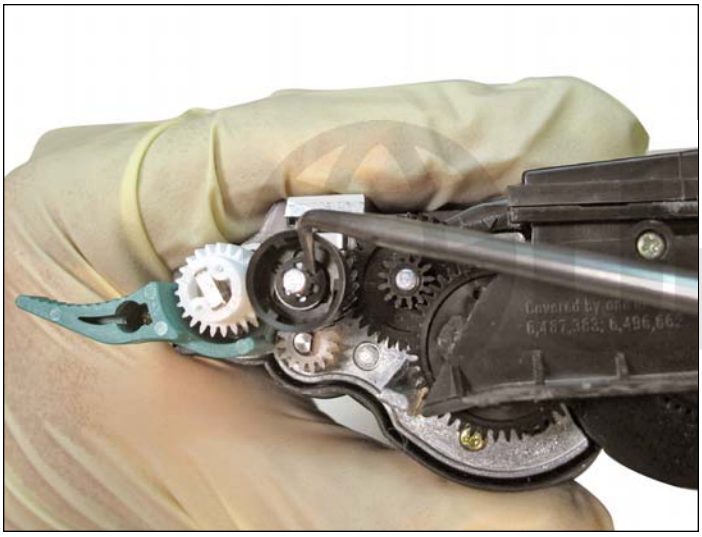
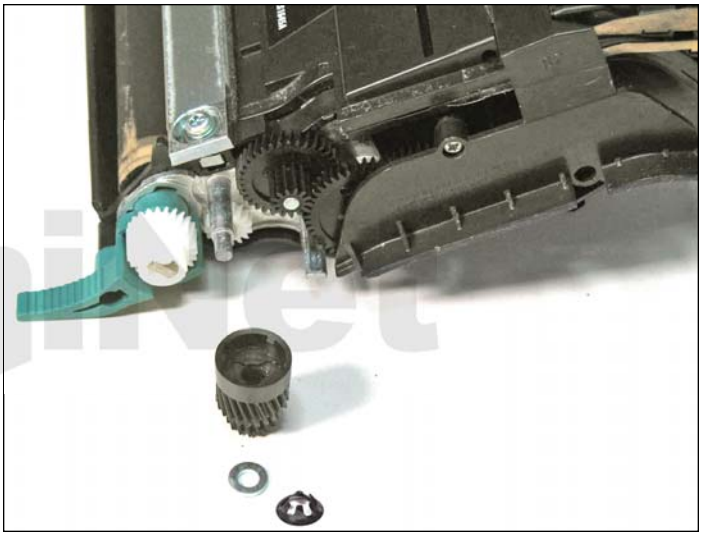
CARTRIDGE CONTACT SIDE

CARTRIDGE GEAR SIDE

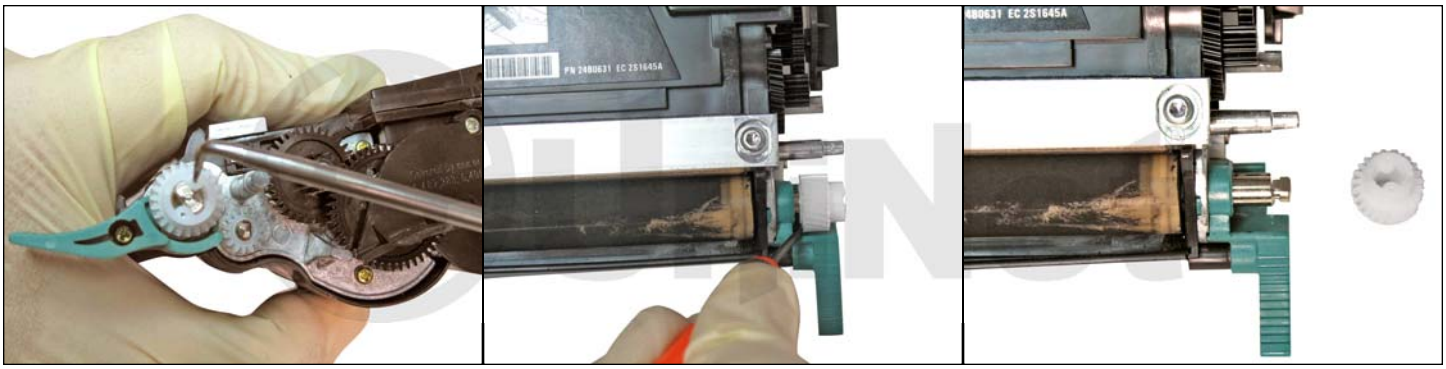




CARTRIDGE DISASSEMBLY

1. Use a hook tool to remove the locking ring from the drive gear shown.

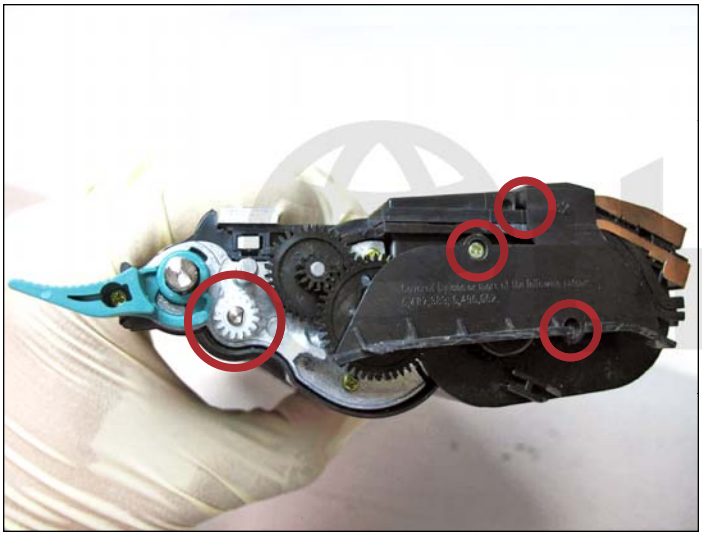
Remove the washer and gear as shown.

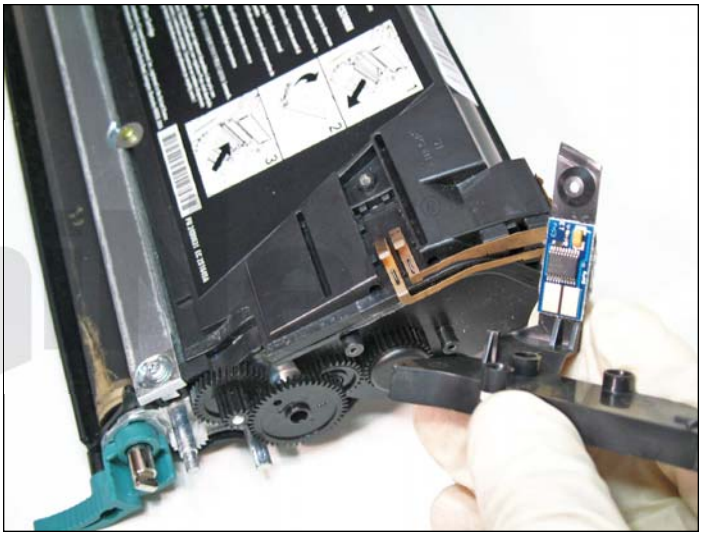


2. Remove the developer roller gear shown by first rotating the gear clock wise until it stops.

Wedge a small flathead screwdriver between the gear and the roller support to push the gear out.

The gear has a minimal amount of pressure so there is no risk of using this technique.

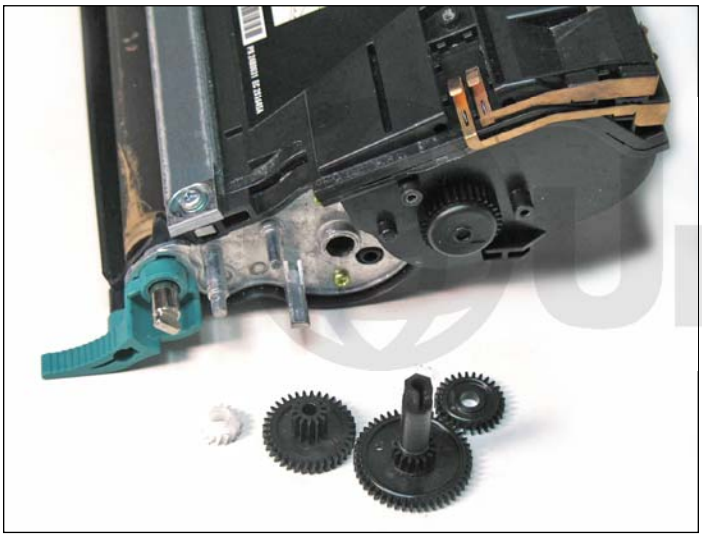




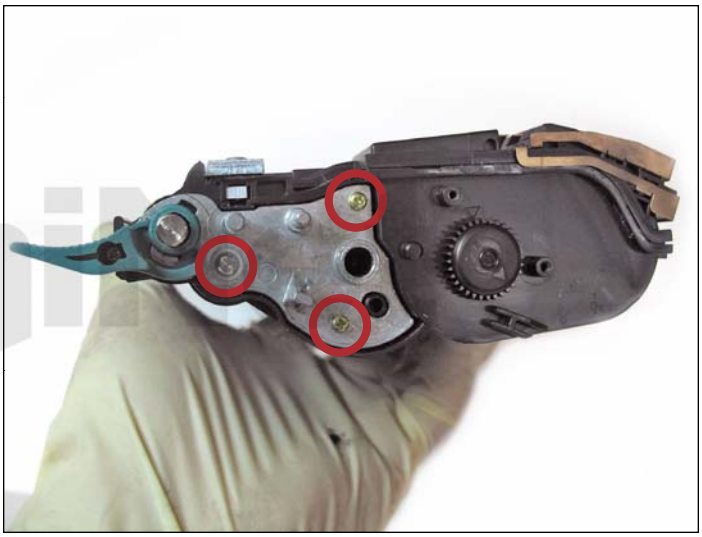
3. Carefully remove the supply roller gear shown.

Use extreme caution as it is very fragile and might break if removed forcefully.

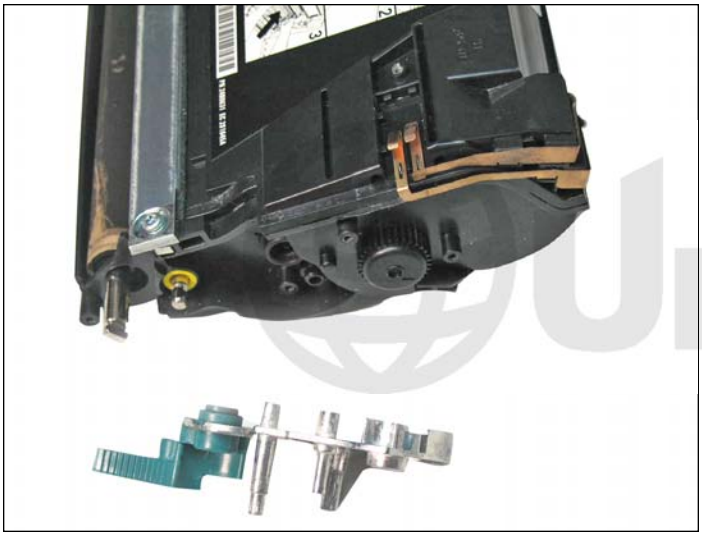
Continue by removing the three screws and smartchip holder as shown to access the drive train gears inside.



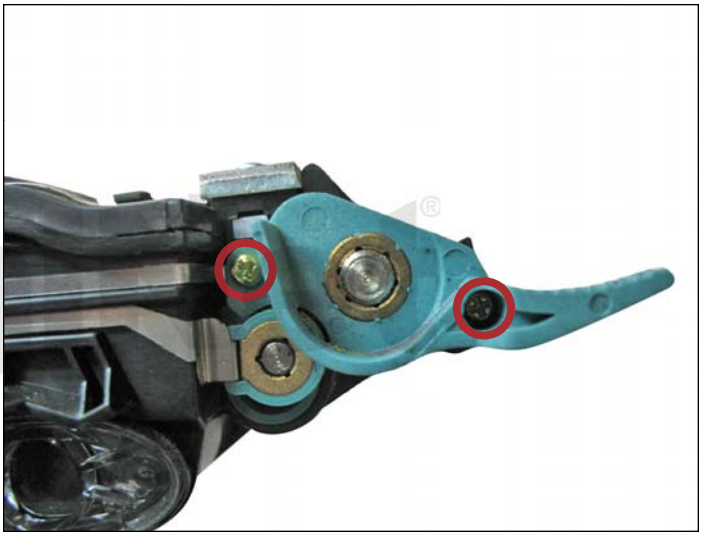
4. Drive train removed.



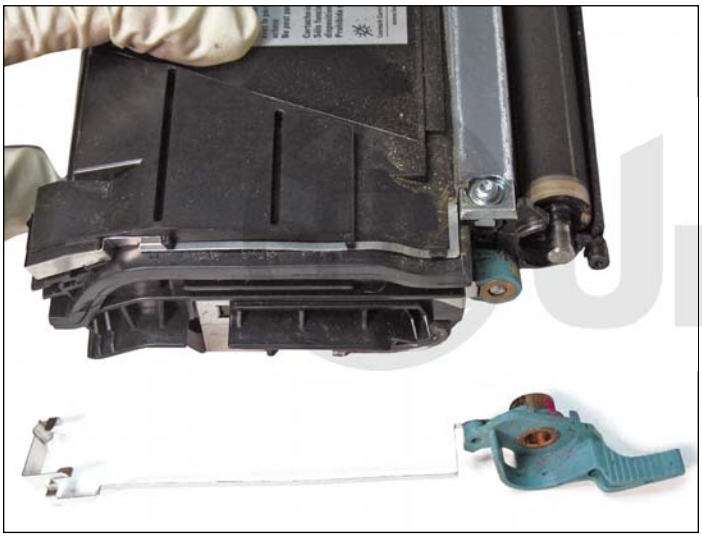
5. Remove the three screws that hold the developer roller support plate in place.



6. Support plate removed.



7. Remove the two screws from the smaller developer roller support plate shown on the opposite (contact) side.



8. Remove the support plate along with its rear contact.

9. Remove the developer roller.

10. Remove the four screws shown that hold the doctor blade in place. Note the location of the doctor bar. It must be positioned in the same manner for reassembly.

11. Remove the doctor blade contact which runs along the side of the cartridge.

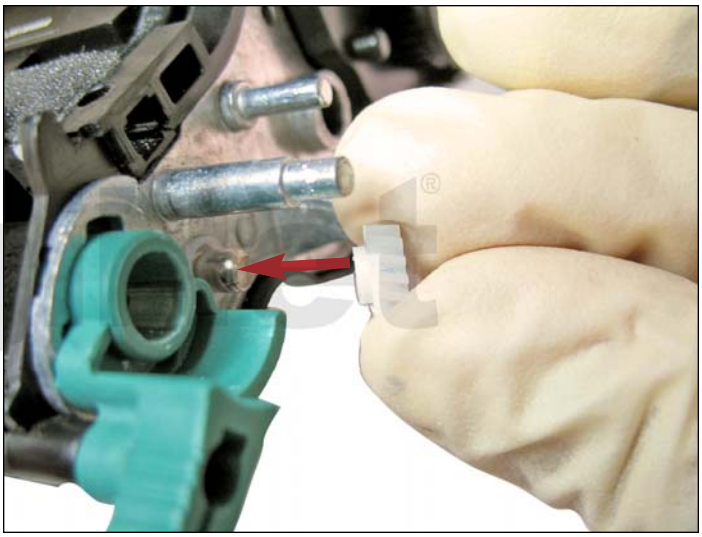
12. Remove the doctor blade. Be careful not to lose the doctor bar screw nuts. With the screws removed and the nuts not securely fastened, they can easily become misplaced with any movement of the cartridge. Clean the hopper thoroughly using compressed air and refill through the opening shown with the appropriate amount of toner.

REPLACING THE CHIP

13. Pry the chip loose from its adhesive backing.

14. Install the new chip in the exact manner shown.

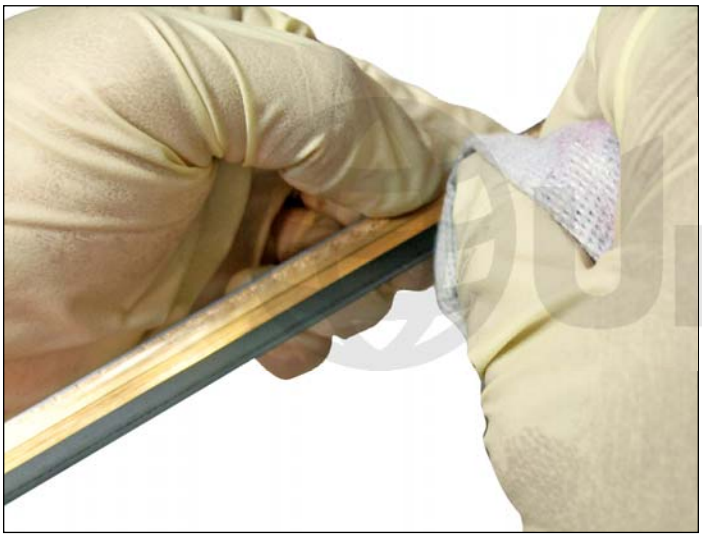
15. **NOTE**: Since the aftermarket chip has a larger microprocessor than the OEM, we recommend adjusting the chip contacts to create an S-shaped design to avoid any interference with the processor.



CARTRIDGE ASSEMBLY

16. Carefully reinstall the supply roller gear.

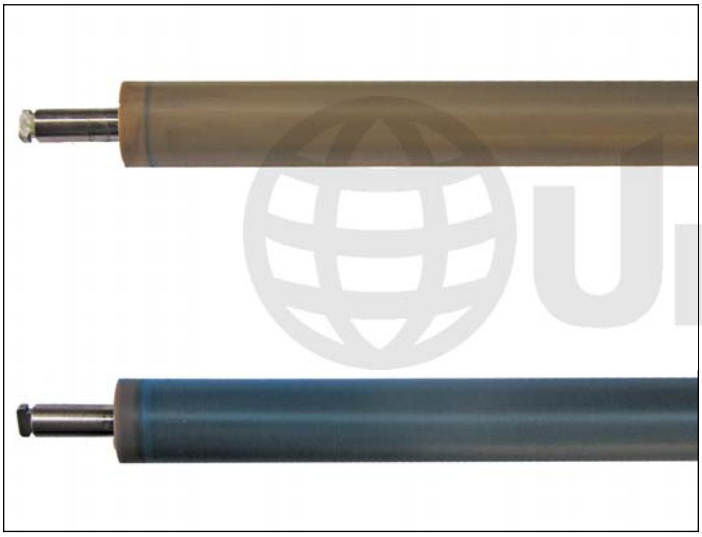
17. Adjust the drive gear locking ring to prevent the drive gear from slipping off.



18. Wipe off any excess toner from the doctor blade.

If crusting is present you can use isopropyl alcohol to remove the residue.

Avoid scratching the coating on the doctor blade with your nail or other sharp objects.



DVR COMPARISON

19. Install the doctor blade in its proper position by applying some pressure. Press it towards the developer roller and fasten the end screws.