

# KONICA MINOLTA® PAGEPRO 1400W TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS



KONICA MINOLTA PAGEPRO 1400W  
TONER CARTRIDGE

# REMANUFACTURING THE KONICA MINOLTA PAGEPRO 1400W TONER CARTRIDGE

By the Technical Staff at UniNet

## TECHNICAL PRINTER DATA\*

<b>Print speed:</b>	<b>Up to 16 ppm.</b>
<b>Print resolution:</b>	<b>Up to 1200 x 600 dpi.</b>
<b>Printing process:</b>	<b>Electrophotographic laser printing system.</b>
<b>First page out:</b>	<b>13 seconds.</b>
<b>Warm-up time:</b>	<b>21 seconds.</b>
<b>Monthly duty cycle:</b>	<b>9,000 pages.</b>
<b>PC hardware requirements:</b>	<b>Minimum: 333 MHz or higher Celeron class PC with 128 MB free disk space.</b>
<b>Specified RAM:</b>	<b>64 MB (for 98SE/ME/2000 Professional), 128 MB (for XP).</b>
<b>Operating system compatibility:</b>	<b>Windows® XP/2000/ME/98SE.</b>
<b>Interface support:</b>	<b>USB 2.0.</b>
<b>Paper handling input:</b>	<b>150-sheet multi-purpose tray.</b>
<b>Paper handling output:</b>	<b>100-sheet face-down output tray.</b>
<b>Maximum paper sizes supported:</b>	<b>Legal.</b>
<b>Power consumption:</b>	<b>Maximum (220V/240V): 900 W / Average: 390 W / Standby: 7 W or less.</b>
<b>Start-up toner cartridge (in box):</b>	<b>1,000 pages at 5% coverage.</b>
<b>Replacement toner cartridge:</b>	<b>2,000 pages at 5% coverage.**</b>
<b>OEM toner cartridge part numbers:</b>	<b>9J04203 (USA), 9J04202 (Europe), 9J04201 (Japan), 9J04205 (Asia)</b>
<b>OPC drum cartridge:</b>	<b>20,000 pages at 5% coverage.</b>
<b>OEM drum cartridge part number:</b>	<b>4519401</b>

\*Source: Konica Minolta website. \*\*Declared yield value in accordance with ISO/IEC 19752.

## REQUIRED TOOLS

1. Hook tool (angled and straight)
2. Phillips screwdriver
3. Flat head screwdriver (small and standard size)
4. X-Acto knife
5. Electrical continuity tester
6. Lint-free cotton cloth
7. Cotton tip swabs
8. Compressed air

## REQUIRED SUPPLIES

1. New black toner (70 grams) for use in Minolta PagePro 1400
2. Doctor blade for use in Minolta PagePro 1400 (optional)
3. Replacement smartchip
4. Distilled water
5. 99% isopropyl alcohol
6. Drum lubricant
7. Conductive grease
8. Friction grease
9. Chemical and cleaning solutions



**OPEN FRONT PRINTER COVER WITH CARTRIDGE INSIDE**



**FRONT OF CARTRIDGE**



**CARTRIDGE GEAR SIDE**



**CARTRIDGE CONTACT SIDE**



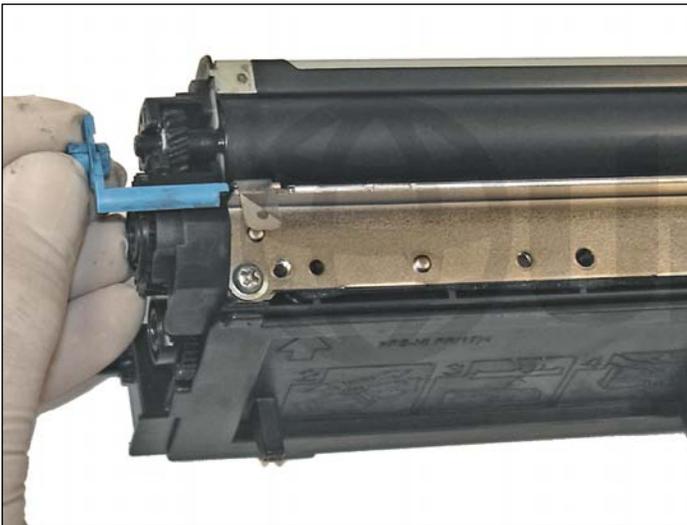
1. Remove the hopper fill plug and dump the remaining toner using compressed air.

**NOTE:** Do not use a vacuum with a plastic nozzle, or a non-grounded compressed air device, as these can generate electrostatic charges.



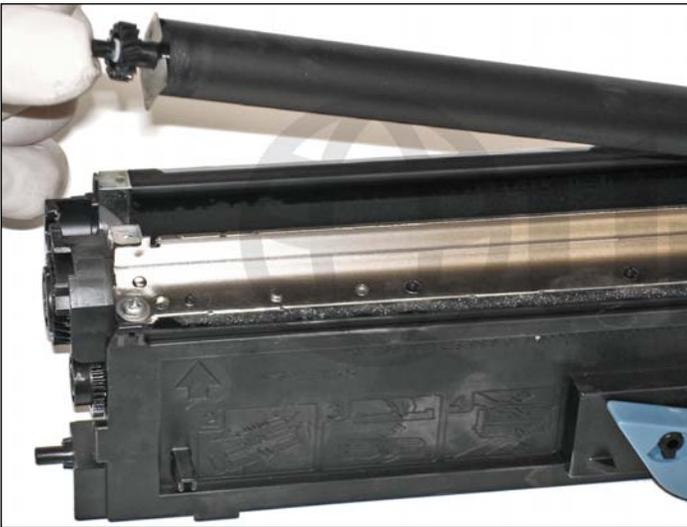
2. Using a hook tool, remove the two springs from the doctor blade. There is one at each end.

Using a small screwdriver, remove the pink plastic stabilizer from the contact side of the developer roller.



3. Now, remove the blue plastic stabilizer from the opposite end (gear side) of the developer roller. It should come off fairly easily.

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4. Remove the developer roller, lifting from the gear side first.

Note the positioning of the mylar seals on each end of the developer roller

They must be placed back in the same position when reinstalling the roller.



5. Remove the two screws from the doctor blade.

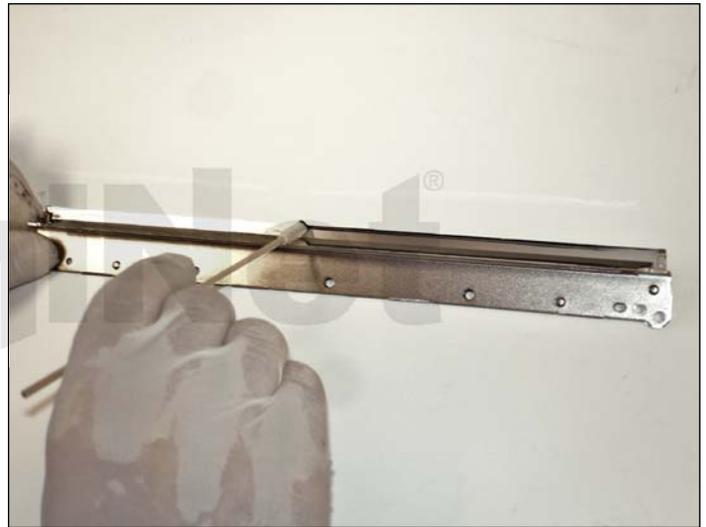


6. Remove the doctor blade, lifting from the gear side first.

Be careful not to damage the sealing foam under the blade.



7. Using compressed air, thoroughly clean any residual toner from the hopper section. Make sure the sealing foam is properly installed to prevent toner leakage.



8. Clean the doctor blade using a cotton tip swab and isopropyl alcohol. Any toner stuck to the leading edge of the blade must be removed.



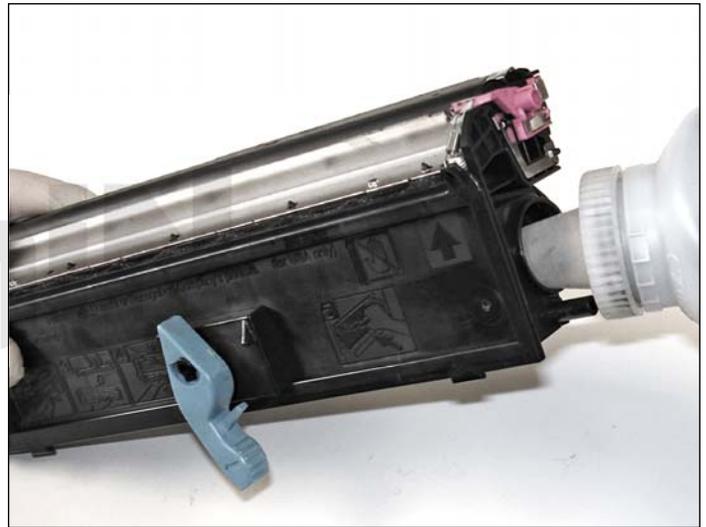
9. Clean the developer roller using compressed air. Then, wipe down using a lint-free cotton cloth with distilled water (70%) and isopropyl alcohol (30%).



10. Make sure all the remaining components shown are free of residual toner before re-assembling the cartridge.



11. Use an electrical continuity tester to ensure good contact between the doctor blade and the main contact.



12. Fill the hopper section with the appropriate amount of new toner through the fill hole. Use a 12 mm beak on the bottle to fit the hole.



**REPLACING THE CHIP**

13. Remove the small screw that holds the chip in place.



14. Using an X-Acto knife, carefully cut away the melted plastic tab.



15. Install the new aftermarket chip and screw.

Finally, install the developer roller cover for shipping.