

KONICA MINOLTA® PAGEPRO 1400W DRUM UNIT REMANUFACTURING INSTRUCTIONS



**KONICA MINOLTA® 1400W
COLOUR LASER PRINTER**



DRUM UNIT

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KONICA MINOLTA PAGEPRO 1400W DRUM UNIT REMANUFACTURING INSTRUCTIONS

PRINTER TECHNICAL DATA

Model specific features

Print speed: Up to 16ppm
Resolution: Up to 1200 x 600 dpi

Printing Process

Print method: Electro photographic laser printing system
First page out: 13 seconds
Warm-up time: 21 seconds
Monthly duty cycle: 9,000 pages

Host system requirements

Minimum: 333 MHz or higher Celeron class PC with 128 MB free disk space and RAM
Specified: 64 MB (98SE / ME / 2000P), 128 MB (XP)

Interface support

USB 2.0 (High-Speed) supporting Microsoft® 'Plug and Play'

Operating system compatibility

Windows® XP/2000/ME/98SE

Paper handling

Paper input: 150-sheet multi-purpose tray
Paper output: 100-sheet face-down output tray
Paper sizes supported:
Power consumption (220V/240V): Max < 900 W; average < 390 W; sleep mode: < 8 W

Consumables

Printer ships with installed start-up toner cartridge (yield up to 1,000 pages)
Replacements consumables:
• Toner: 2,000 pages at 5% coverage (declared yield value in accordance with ISO/IEC 19752)
OEM cartridge part number: 9J04203 (USA), 9J04202 (Euro), 9J04201 (Japan), 9J04205 (Asia)
• OPC drum cartridge 20,000 pages
OEM Drum part number: 4519401

TOOLS REQUIRED

Hook Tool (angled and straight)
Phillips Screwdriver
Flat-head Screwdriver (small and standard size)
X-Acto knife
Tester
Toner grabber
Cotton tip swap
Compressed air

REQUIRED SUPPLIES

Minolta Pagepro 1400 W Absolute Black® toner 22 lb (10 kg) bag (optional)
Minolta Pagepro 1400 W Absolute Black® toner 70g
Minolta PagePro 1400 doctor blade, 10 pack (optional)
Minolta 1300, 1350, 1380, 1390, 1250 blue cartridge handle, 10 pack (optional)
Minolta PagePro 1400 Unidrum® OPC with gears
Minolta Pagepro 1400 W Smartchip® 9J04201 (Japan) (under development)
Minolta Pagepro 1400 W Smartchip® 9J04203 (US)
Minolta Pagepro 1400 W Smartchip® 9J04205 (Asia) (under development)
Minolta Pagepro 1400 W Smartchip® toner cartridge (Europe)
Destillate water
99% Isopropyl Alcohol
Drum lubricant
Conductive Grease
Friction Grease
Several chemical solutions

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1. Front view of the drum unit and toner unit.



2. Pull the blue plastic handle to free the toner unit.



3. Back view of the drum unit.

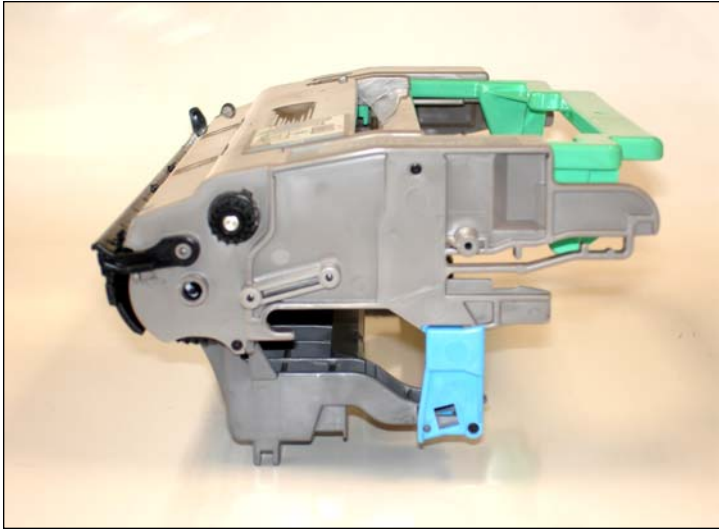


4. Front view of the drum unit.

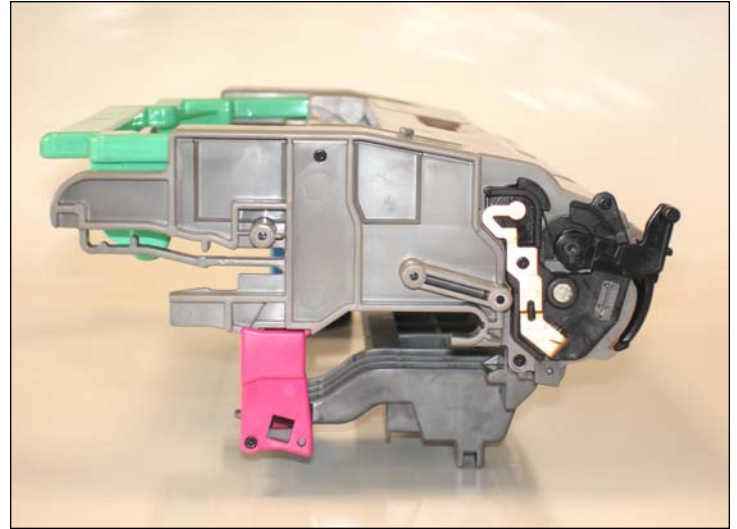
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5. Gear side view of the drum unit. Note it is where the blue plastic fixing arm is placed.



6. Contact side view of the drum unit. Where the pink plastic fixing arm is located.



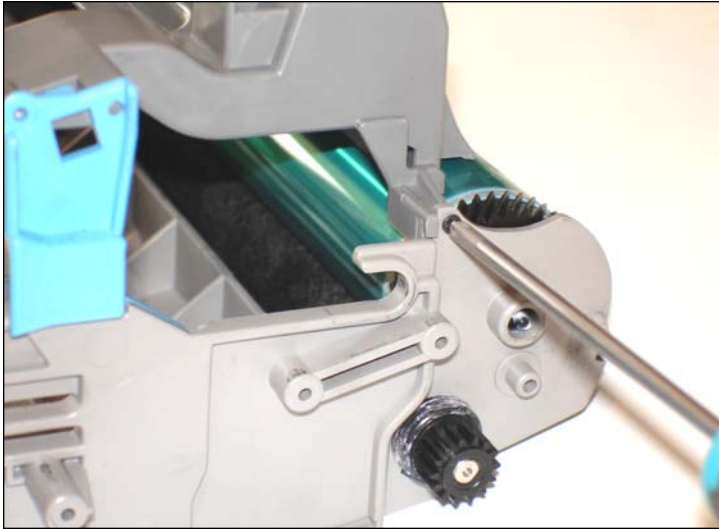
7. Release the drum shutter from the hopper.



8. Remove the shutter arm from the plastic pin with a small flat-head screw driver.

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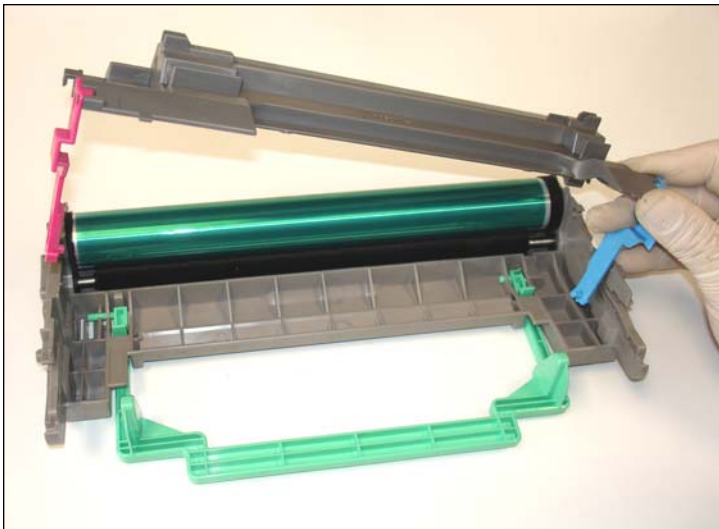
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9. Release the small black Phillips screws located on each lateral of the drum unit with a small Phillips screw driver.



10. Note there are two screws on each side of the cartridge.



11. Now you can release the big fixing arm carefully from the main unit.

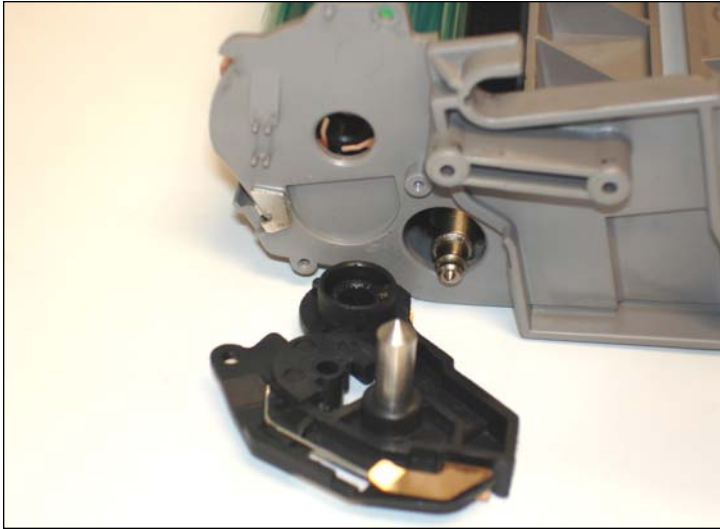


12. Remove the two small black screws from the drum contact plate.

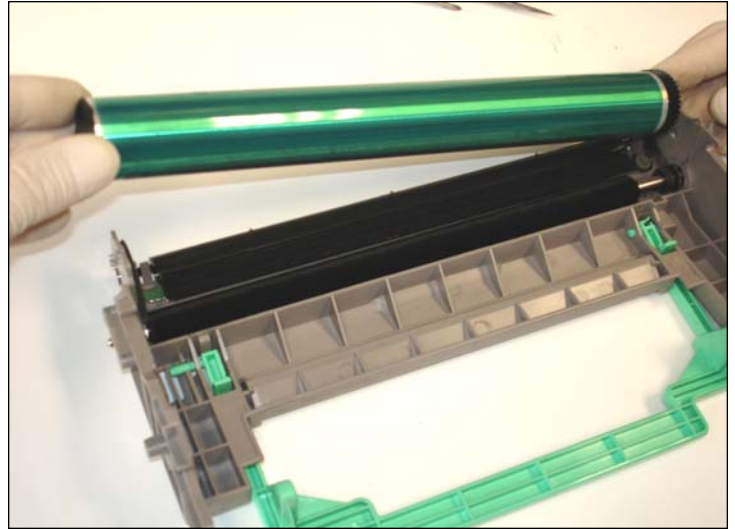
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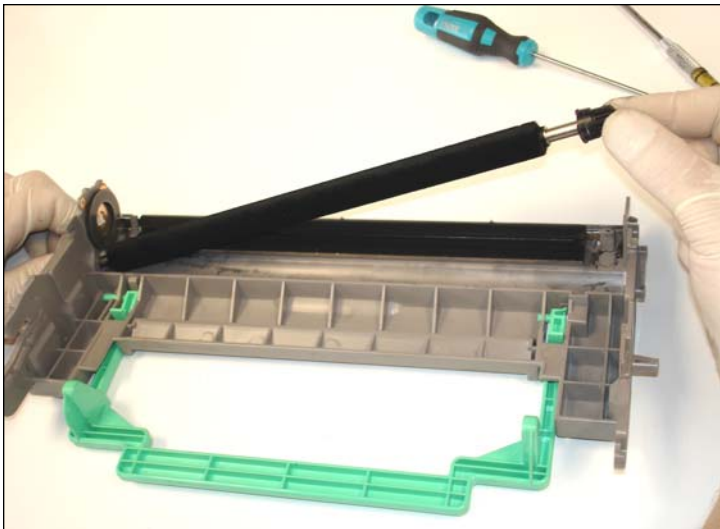
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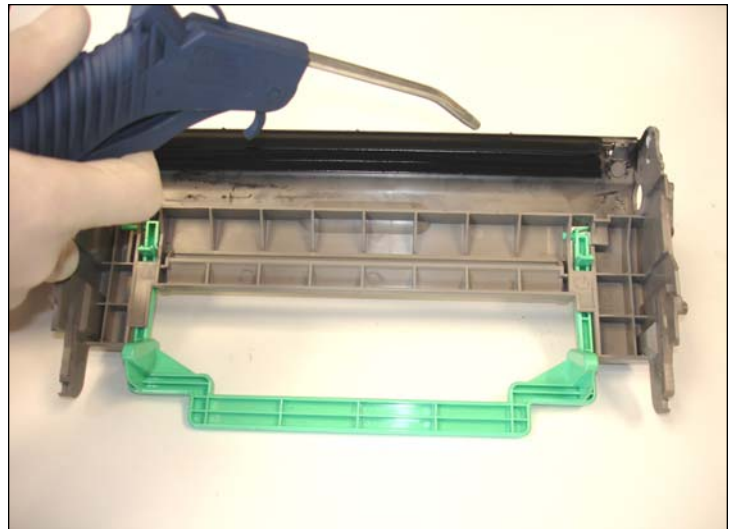
13. Notice the contact bar in the inside part of the plate is released placed in the black plastic end cap housing. Otherwise, keep it aside.



14. Slide the drum out by the left side as shown.



15. Remove the PCR by lifting it from the right side of the drum unit.

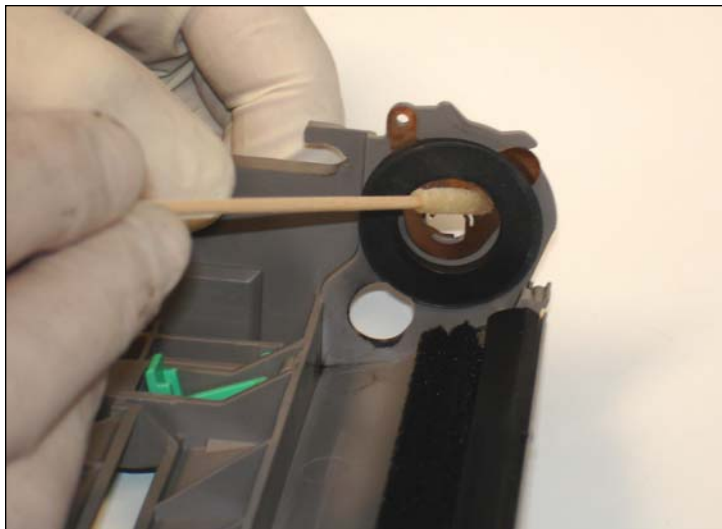


16. Clean the waste hopper section with compressed air.

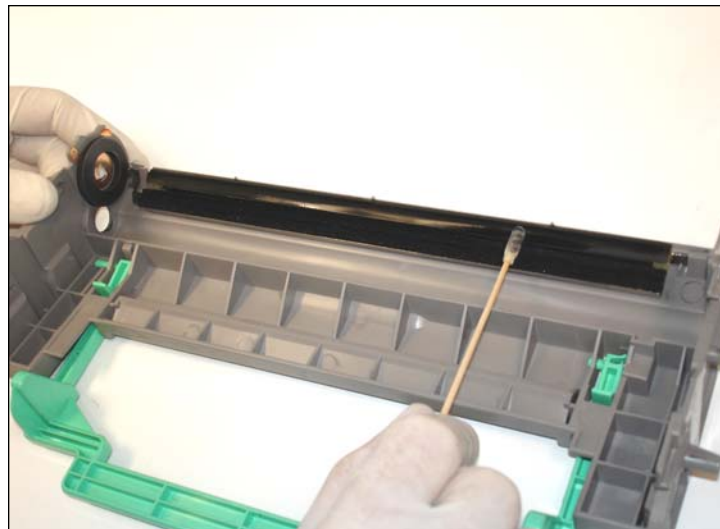
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17. Clean the drum contact using a cotton tip swap with isopropyl alcohol. Then, lubricate it with conductive grease. Don't exceed on lubrication as it could cause problems of pollution.



18. Clean the recovery blade with another cotton tip swap with alcohol isopropyl. Be careful to don't damage or bend the blade. Otherwise it would cause spotting.



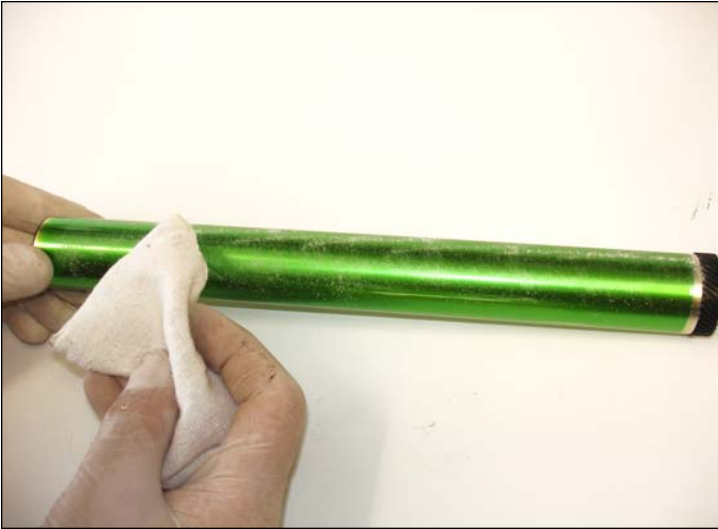
19. Clean the PCR brush with air compressed.



20. Lubricate the drum gear housing with gear grease.

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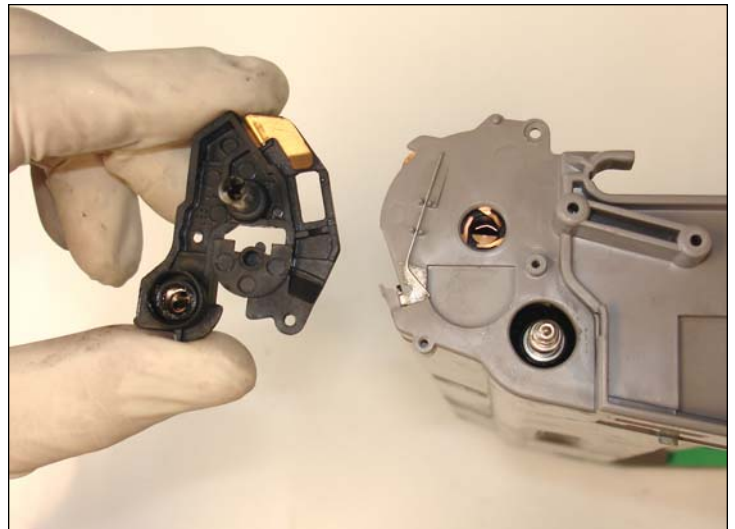
21. Lubricate drum using a toner grabber with powder OPC lubricant.



22. Notice the detail of the black PCR bearing. Do not lose it.



23. Reassemble the drum and PCR in reverse order.



24. Lubricate the electrical contact as done previously.
NOTE: Don't forget to place the little silver contact bar.

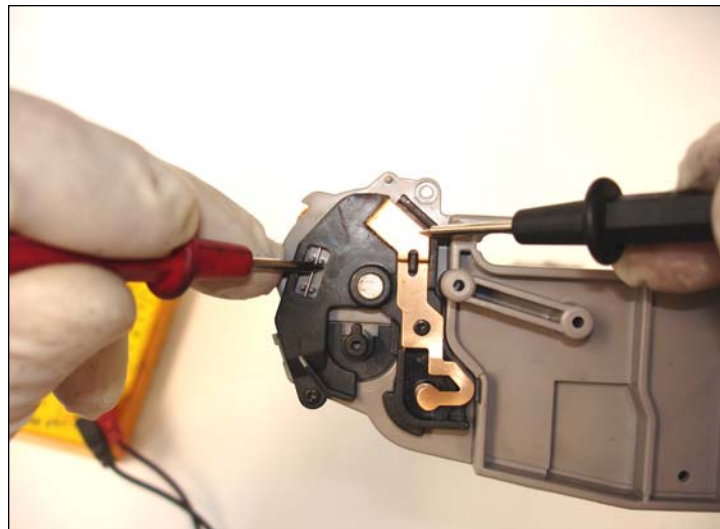
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25. Use a Phillips screwdriver to place both small black screws onto the contact end plate.



26. Check the electrical continuity with a tester to ensure good contact between both parts of the contact end plate.



27. Reassemble the fixing arm and place all the screws on each extreme of the drum unit.

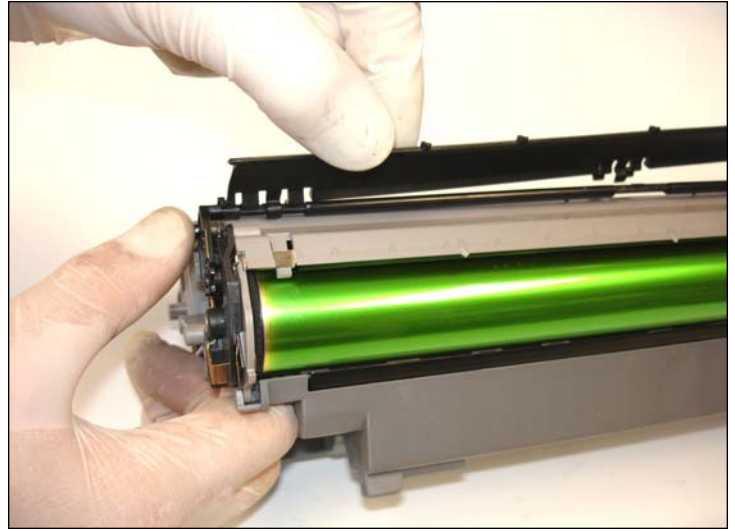


28. Place the spring as shown in the drum shutter arm.

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29. Place it in the main cartridge unit using a spring tool or a little flathead screwdriver.



30. Place the shutter by left side carefully.



31. Drum unit ready to be used.

NOTES

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