

HP 3500 REMANUFACTURING INSTRUCTIONS

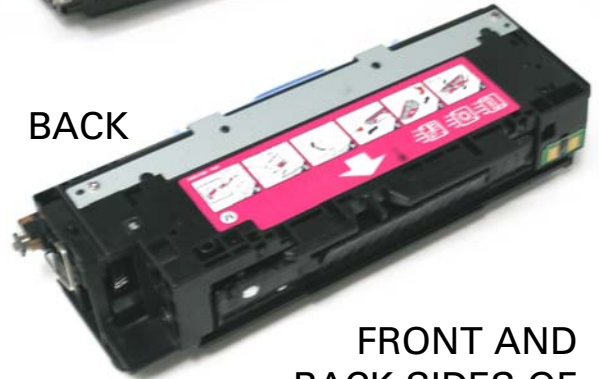


HP 3500 COLOR LASER PRINTER

FRONT



BACK



FRONT AND BACK SIDES OF TONER CARTRIDGE



1 Use a 7/64 drill bit to drill two holes across from each other around the cartridge pin as shown.



2 Use a pair of needle-nose pliers to grip and pull the pin out.



3 Pin being removed.



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4 Remove the cartridge pin on the other end of the cartridge (gearless side) as shown.



5 Pull pin out as shown



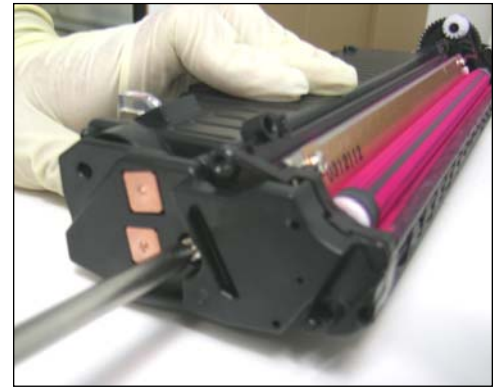
6 Use a hook tool to release the spring from the holder.



7 Separate the drum unit from the toner cartridge.



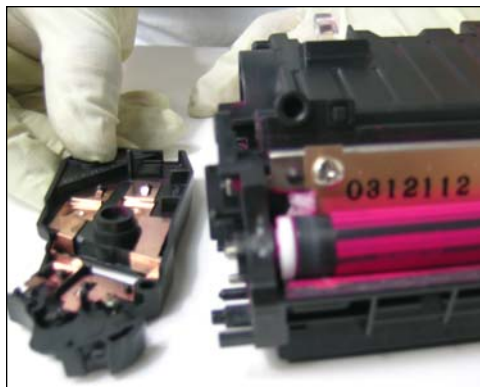
DISASSEMBLING THE TONER CARTRIDGE



8 Remove the screw from the contact side, end-cap.



9 To remove the end-cap, release it from the clip that holds it in place.



10 The contact should come off along with the end-cap.



11 To remove the components on the gear side, remove the first screw as shown using a phillips screwdriver.



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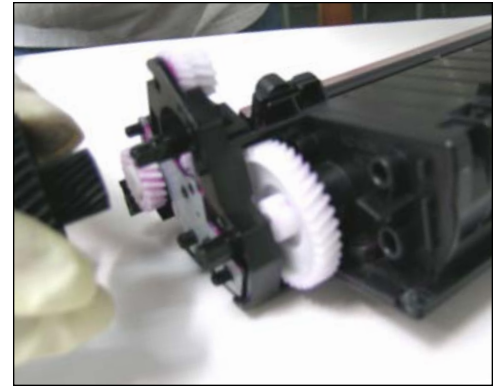
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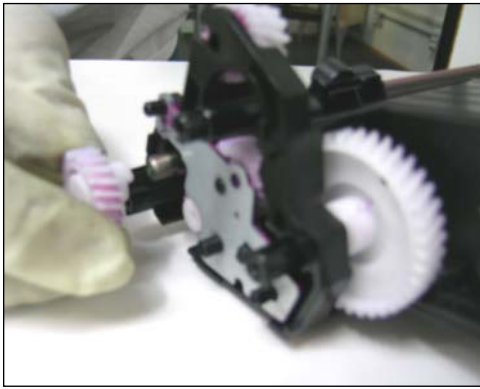
12 Remove the second screw as shown.



13 Pull the end-cap off to expose the outer gears.



14 Remove first gear as shown.



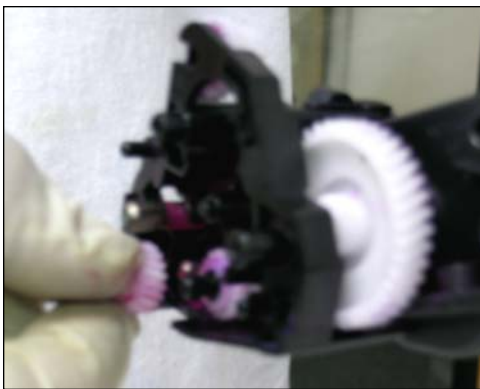
15 Remove second gear.



16 Remove the metal plate by prying it off with a small flat screwdriver.



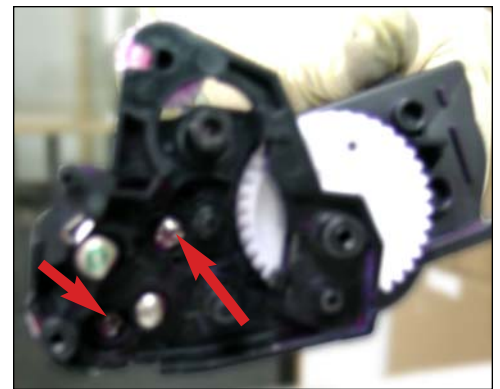
17 Remove first inner-gear as shown.



18 Remove second inner gear as shown.



19 Remove third inner-gear.



20 Now we are ready to remove the roller support. Two screws (shown) need to be removed.





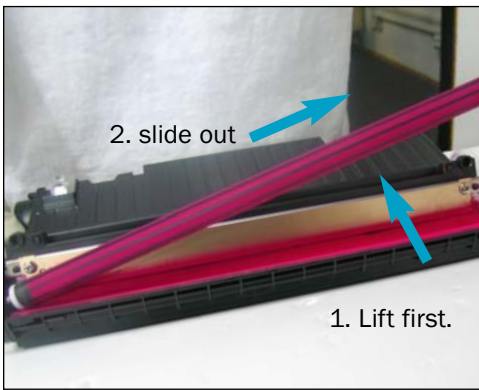
21 Remove two first screw as shown.



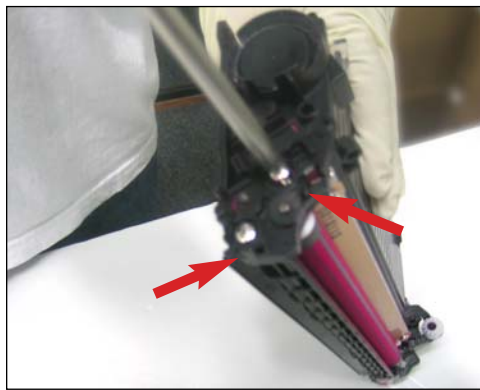
22 Remove the second screw as shown.



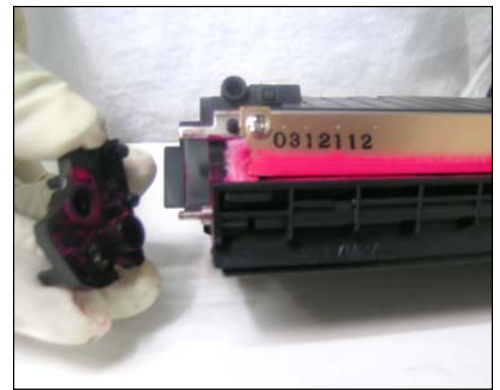
23 The roller support should slide out very easily.



24 Remove the developer roller by lifting one side first, then sliding it out.



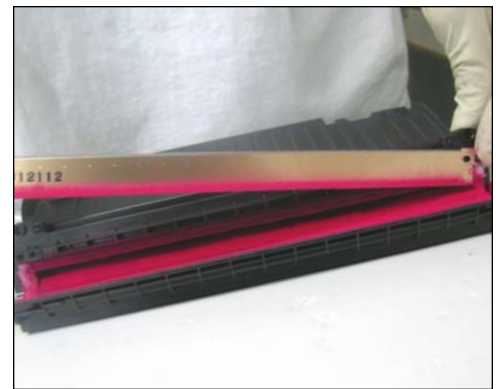
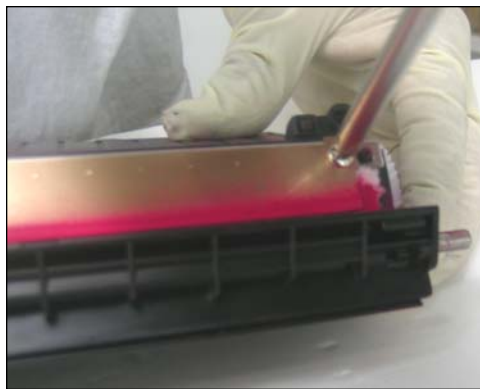
25 Remove the two screws (shown) on the gearless side to remove the roller support plate.



26 Pull out the roller support plate.

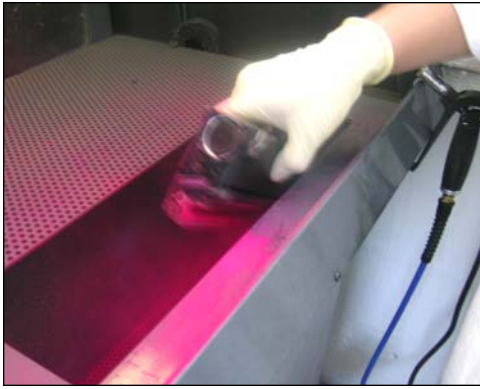


27 Remove the doctor blade by first removing the left and right screws as shown.

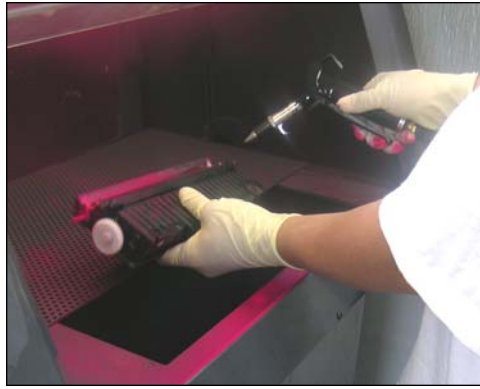


28 Release the doctor blade from the guides and remove.

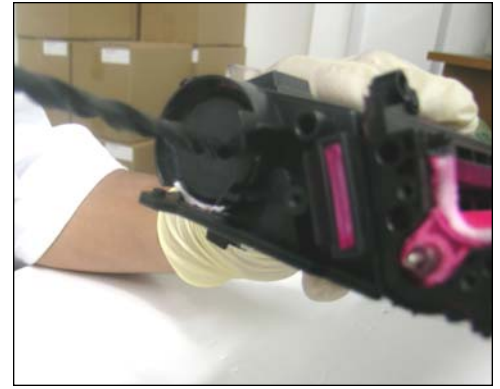




29 Loosen and shake off excess toner from the cartridge. A few moderate, a few mild knocks and hits on the toner hopper will help and will not harm the cartridge.



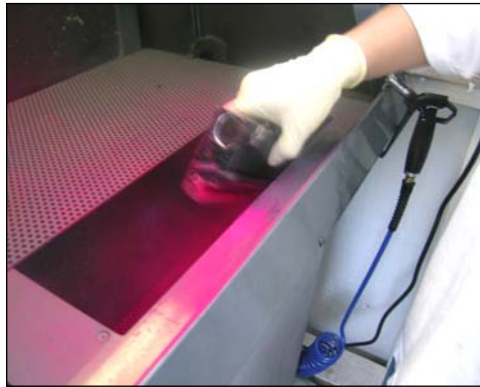
30 Clean with compressed air.



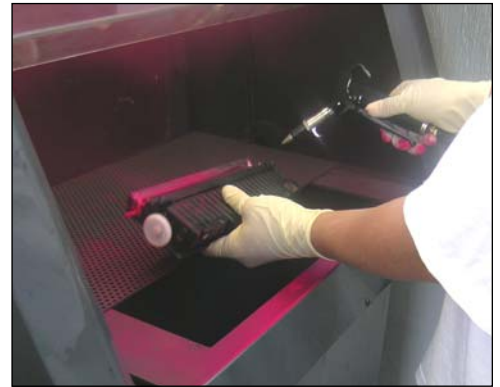
31 You must now drill and manufacture your own fill hole. Use a 1/2" drill bit to center the hole. Be careful not to drill too deep as to damage the toner sensor window. *For more options see "Drilling and Filling Plug Tips" on page 8.



32 Use a one-inch size drill bit or grinding tool to make the hole one inch in diameter. Be careful not to drill too deep as to damage the toner sensor window.



33 Shake off debris and additional toner from inside the cartridge.



34 Clean out again with compressed air. This will prevent any drilling residue from damaging the toner cartridge.



35
ASSEMBLING THE TONER CARTRIDGE
Start with re-installing the doctor blade.



36 Refill toner as shown.



37 Clean area around the newly-drilled hole.

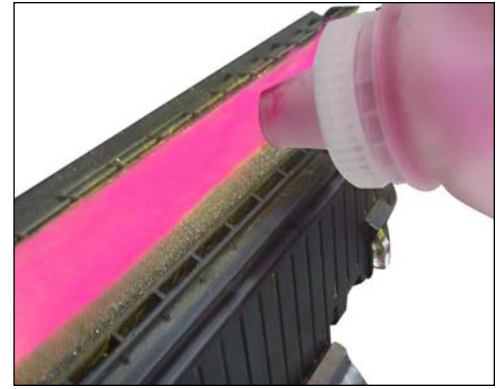




38 Use silicone or caulk to fill the edges on your new toner plug as shown.

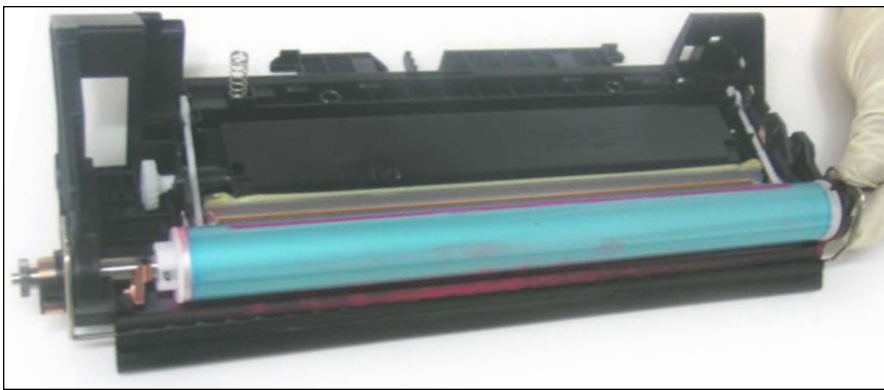


39 Install plug as shown.

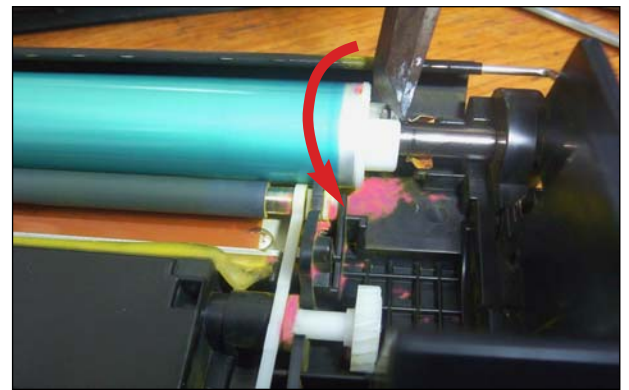


REFILLING OPTION

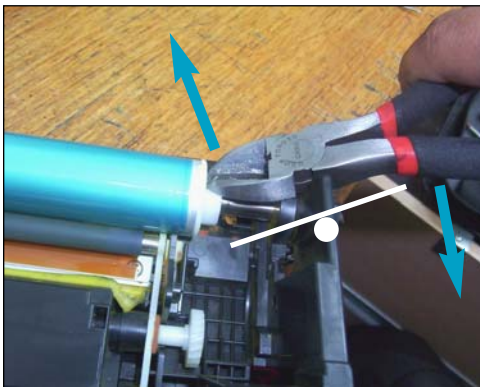
Another option would be to fill the hopper through the developer roller opening.



DISASSEMBLING THE DRUM UNIT



40 Push the pin downward using a pin-pusher tool and hammer. Then rotate the drum so that the opposite side is pointing up.



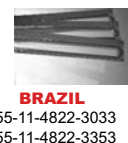
41 Grasp the pin using a pair of cutting pliers. Brace the pliers against the edge of the cartridge as shown so the pliers act as a lever. Force the pin out in a seesaw motion.



42 We need to remove the insert (shown) that holds the drum axle bearing in place.

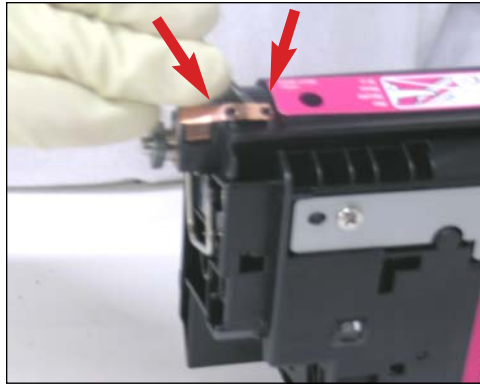


43 Insert a flat screwdriver into the small hole to push the insert out from inside.

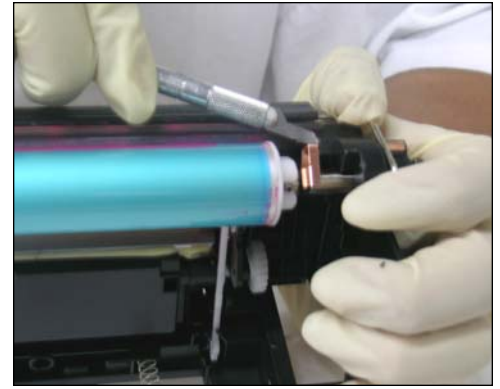




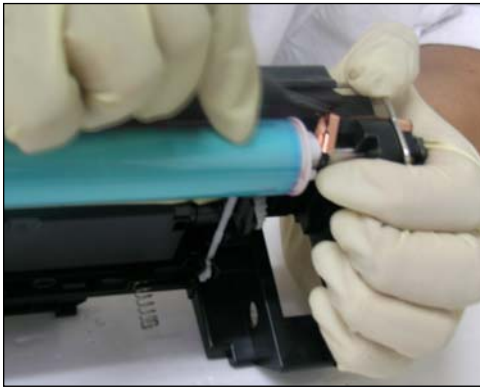
44 Pry off the axle bearing with a small flat screwdriver.



45 Remove the drum contact by cutting the melted tabs as shown.



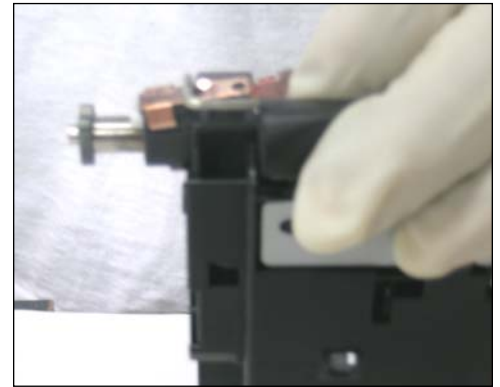
46 Use a small flat screwdriver or utility knife to lift the contact over the plastic stoppers.



47 After releasing the contact, move it to the end where you will need to remove the insert.



48 Insert a small flat screwdriver into a small hole located under the contact. Tilt the screwdriver to push it out.



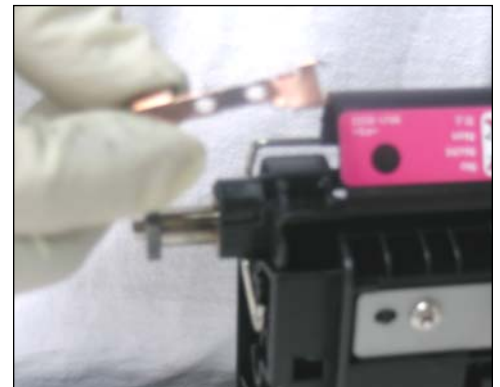
49 Contact pushed out.



50 Remove the white tab (ring) to unlock the axle as shown.



51 Pull the axle out half an inch so it will allow you to remove the insert.

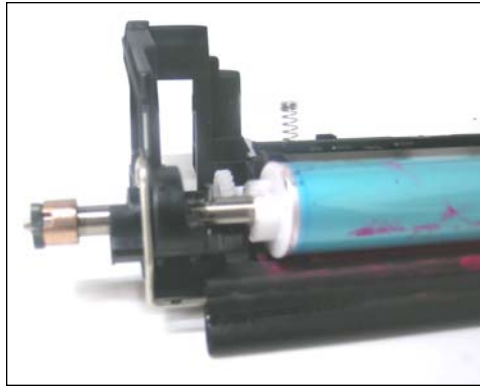


52 Remove the contact.





53 Pry out the axle bearing as shown.



54 Let the bearing hang on the edge as shown.



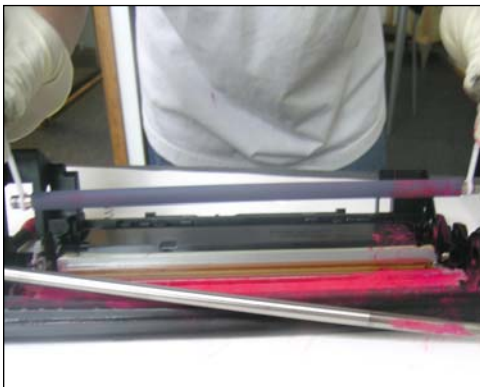
55 Tilt the drum and axle at a 30-degree angle to remove the drum.



56 Slide out the drum as shown.



57 Remove the PCR roller by unclipping both sides as shown.



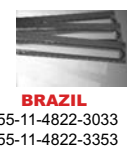
58 PCR roller removed.

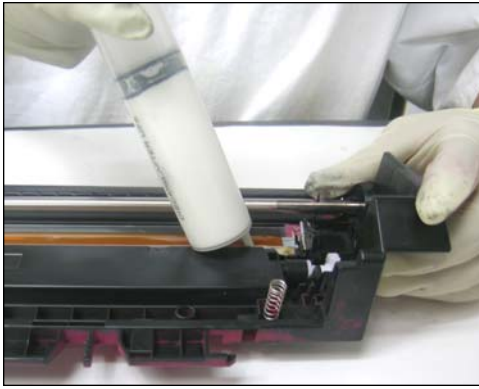


59 To remove the wiper blade, cut the factory adhesive so it allows you to remove the blade.



60 Remove the wiper blade by unscrewing both sides as shown.





61 After cleaning the wiper blade, we are now ready to reinstall it. Add adhesive or caulking to prevent leakage.



62 ASSEMBLING THE CARTRIDGE
Reassemble the cartridge by following the “disassembly” steps in reverse.

DRILLING & FILLING TIPS

1. Make sure that the hole size you drill matches the plug you are going to use.
2. The plug can be a maximum of 9mm deep. Any deeper will block the flaps inside from spinning.
3. If you prefer not to drill a hole, you can also fill the hopper through the doctor blade opening.
4. Before installing the drum, make sure the contacts inside are angled in the correct place; otherwise, the drum may cause print defects.

NOTES



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