

HP 1200,1300 CARTRIDGE REMANUFACTURING INSTRUCTIONS



HP 1200 MONOCHROME PRINTER

**INCLUDES
HP1200/1300/1150
UNIVERSAL WASTE
SECTION KIT
INSTRUCTIONS**

HP 1200 TONER CARTRIDGE



Front



Back





REMOVING THE DRUM SHUTTER

1. Prop the cartridge right side up. Face the waste hopper towards you. The arrow on top of the hopper should be pointing towards you.



3. Slide the left drum shutter to the right to remove the shutter post from its cradle.



2. While holding the drum shutter open on the left side, lift the right shutter upward to dislodge the shutter post from its cradle.



4. Pull out the drum shutter. Be careful not to lose the tension spring on the left drum shutter post.

NOTES



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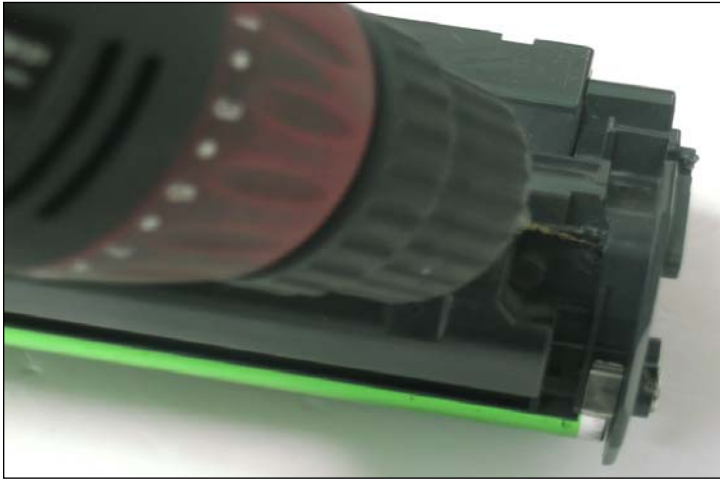
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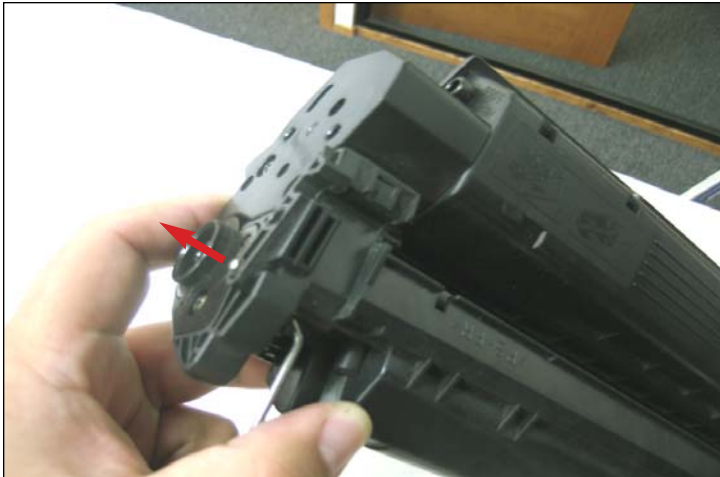


SEPARATING THE DRUM UNIT & TONER HOPPER

5. Using a 7/64 drill bit, drill a small hole into the raised plastic area that covers the cartridge pin on the right side of the waste hopper as shown. Drill far enough to expose the pin inside.



6. Using a bent extraction tool, push the cartridge pin from the inside out.



7. Repeat the same drilling and push procedure on the left side of the hopper as shown.



8. With both pins removed, separate the drum unit from the toner hopper.

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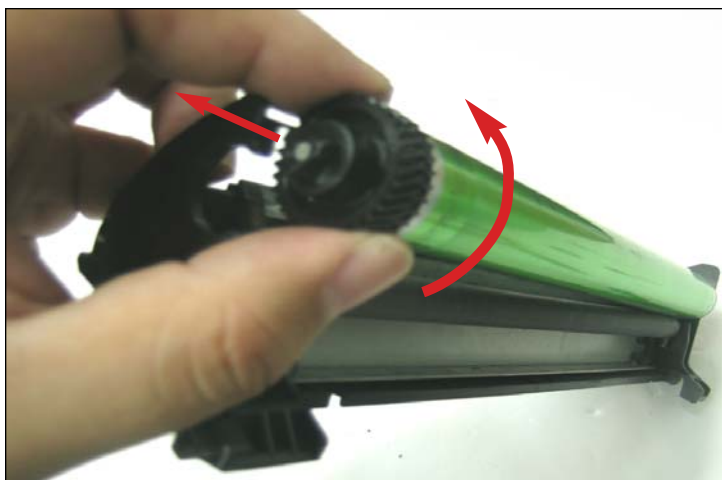


DISASSEMBLING THE DRUM UNIT

9. Unscrew the bearing hub on the gear side of the drum as shown.



10. Bearing hub removed.



11. Lift up the gear side of the drum while turning it counter-clockwise.



12. Turn the drum while pulling it away from the drum axle pin as shown.

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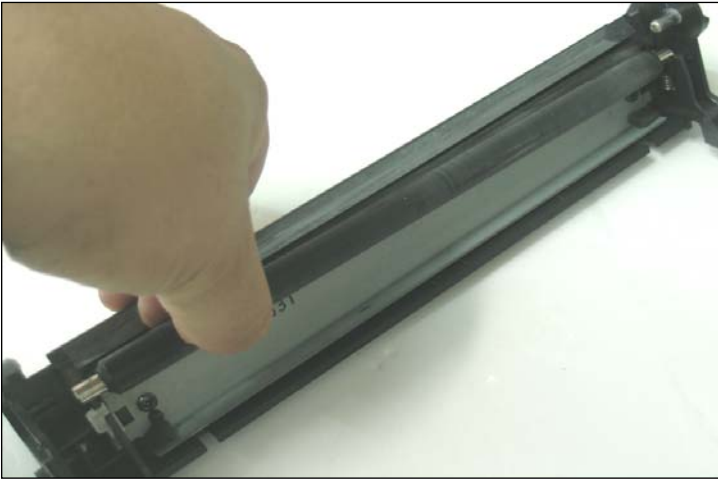
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13. Lift the PCR from its saddles. Clean using a lint-free cloth and water.



14. Remove the two screws that hold the wiper blade in place.



15. Remove the wiper blade and empty the waste toner. Clean the waste hopper using dry compressed air or vacuum.

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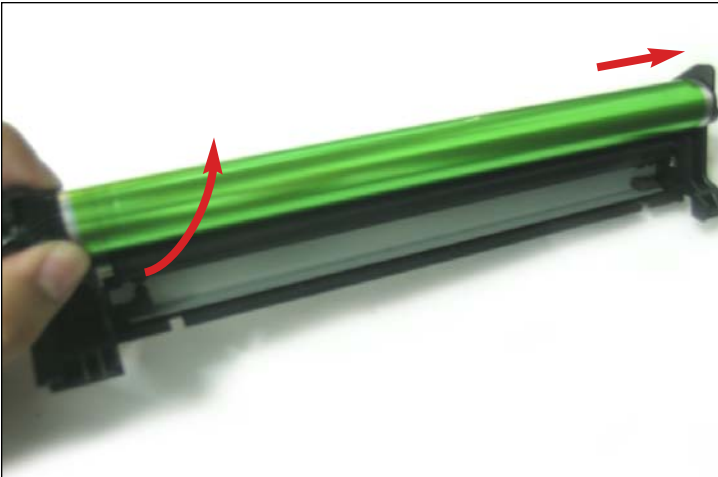


ASSEMBLING THE DRUM UNIT

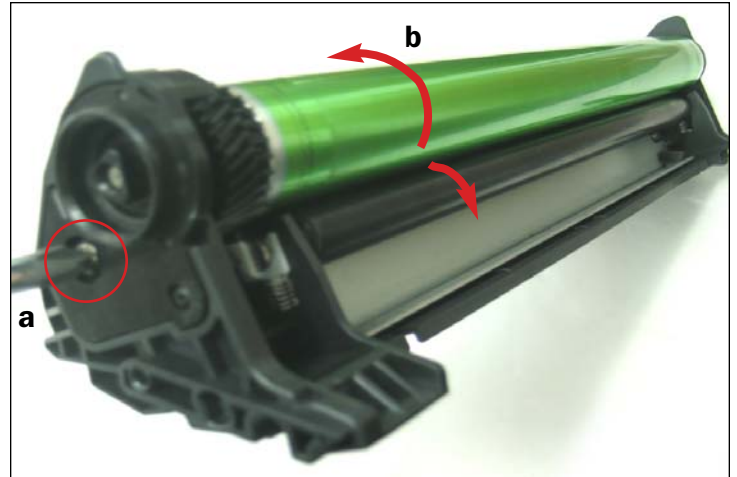
16. Insert the new or cleaned blade and apply padding powder to it. Install the two screws that hold the blade in place. Clean the PCR saddles (highlighted) using a cotton swab and alcohol.



17. Install the new or cleaned PCR into the PCR saddles.



18. Apply padding powder to the drum. Slide the drum contact hub onto the contact pin rotating it counter-clockwise.



19. (a) Place the drum bearing end plate onto the waste hopper and install the screw that holds it in place. (b) Rotate the drum 4-5 times so the drum rotates freely. Use a lint-free cloth to clean the padding powder from the PCR. Set the drum unit aside and cover.

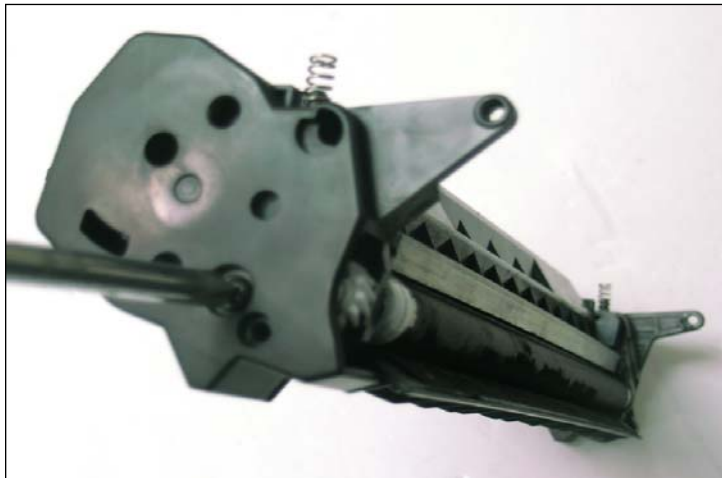
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DISASSEMBLING THE TONER HOPPER

20. Remove the screw that is holding the gear housing end cap to the toner hopper.



21. Remove the end cap, then remove the three white gears as shown.



22. White gears removed.



23. Remove the screw that is holding the contact end cap to the toner hopper.

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24. Remove the contact end cap to reveal the toner fill plug inside.



25. Lift the mag roller away from the toner hopper.



26. (a) Remove the stabilizing arm and mag roller bushing from the gear side (left) of the roller.

(b) Remove the white contact plate and mag roller bushing from the contact side (right) of the roller.

(c) Clean the mag roller bushing using a lint-free cloth and alcohol.

(d) Clean the mag roller contact using a cotton swab and alcohol, then apply new conductive grease.

(e) Remove excess toner from mag roller using dry compress air or a vacuum.

(f) Clean the mag roller using a lint-free cloth and mag roller cleaner.



27. Remove the two screws holding the doctor blade as shown. Remove the blade and clean using a lint-free cloth and alcohol.

NOTE that the HP 1300 doctor blades have an adhesive strip backing that prevents the toner from leaking through. Make sure that the blades have an adhesive back.



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28. Remove the toner hopper fill plug. Clean the hopper using dry compressed air or a vacuum.



29. At this point, you can replace the doctor blade end foams and sealing material inside the hopper as an option. A new seal and port plug can also be installed for shipping purposes. Otherwise, you are now ready to assemble the toner cartridge.

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ASSEMBLING THE TONER HOPPER

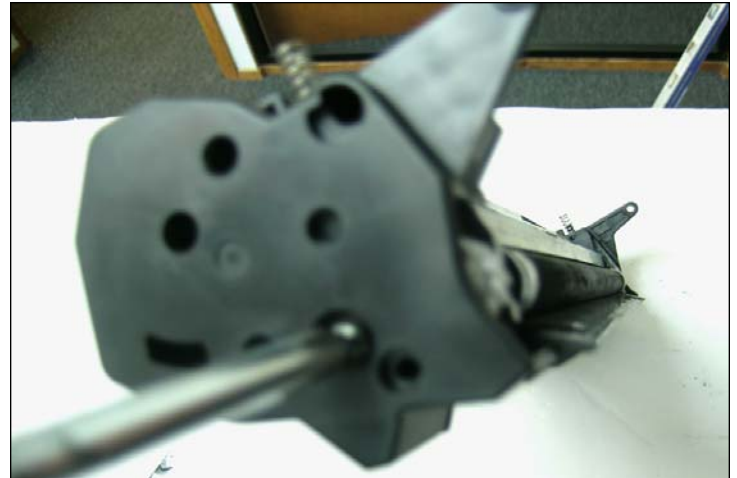
30. Place the new or cleaned doctor blade onto the toner hopper and install the two screws that hold it in place.



31. (a) Install the stabilizing arm and mag roller bushing to the gear side (left) of the roller. (b) Install the white contact plate and mag roller bushing to the contact side (right) of the roller.



32. Place the mag roller onto the toner hopper and install the three white gears as shown.



33. Place the gear housing end cap on the end of the toner hopper and install the screw that holds it in place.

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FILLING THE CARTRIDGE

34. Holding the mag roller firmly in place near the contact end, fill the toner hopper with 230 grams of toner and install the fill plug.



35. Place the contact end cap onto the toner hopper and install the screw that holds it in place. Apply a small amount of toner across the mag roller for a post test. Rotate the roller 4-5 times.

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36. Join the toner hopper and the waste hopper together and push in the cartridge pins on each side of the cartridge as shown.



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37. Place the drum shutter on the toner hopper as shown. Make sure the shutter tension spring's "L" shape sits on top. Press down to lock each end of the drum shutter into its cradle. Test the cartridge.



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HP1200, 1300, 1150 UNIVERSAL WASTE SECTION KIT CC1014 INSTRUCTIONS

Converting an **HP 1200** cartridge to work in **HP 1150, 1200, 1300** printers is very easy.



The **Universal Waste Section Kit** comes fully-assembled with all plastic and metal components and requires just the Wiper Blade, PCR, and OPC Drum fitted.

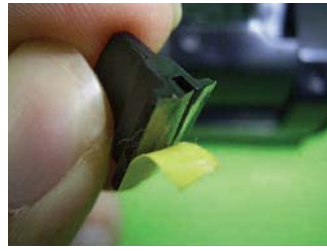
After splitting the HP 1200 Cartridge core, the feed section can be remanufactured in the normal way. From the Original waste Section remove the OPC Drum, Wiper Blade, and the PCR and save for reuse or replacement. The old waste plastic shell can be discarded along with the old HP 1200 End Caps.

TAKE THE NEW UNIVERSAL WASTE SECTION AND ASSEMBLE IN A NORMAL FASHION AS FOLLOWS:

1. Lubricate the Wiper Blade along its edges. OTC Surelube is recommended.
2. Put the Wiper Blade onto its location properly. Check to make sure the corners of the blade do not overlap on the left and right "L" shaped foams. Screw the Wiper Blade onto the Universal Waste Section.
3. Lubricate the inside of the Left (black) and Right (white) PCR Saddle with silicone grease.
4. Clip the PCR into the Left and Right Saddles.
5. Assemble the OPC Drum to the Universal Waste Section by placing the drum on the Left and Right "L" shaped foams. The best method is to assemble the axle to the drum.
6. Screw the Drum Retainer on the right hand side.
7. Fully press the Drum Axle into housing on the Universal Waste Section. This completes the Universal Waste Section assembly.

Assemble the **Universal Waste Section** to the remanufactured feed/Hopper side using the new Left and Right End Caps and the special headed pins in the kit. These headed pins allow for easy removal and disassembly of the cartridge for future remanufacturing.

The cartridge you have just built is now capable of working in HP 1200 and 1300 printers. If the cartridge is required to work in the **HP 1150** printer, then the small plastic **trigger-arm** must be fitted to the top of the Universal Waste Section.



1. Remove the release liner from the double-sided tape on the bottom of the trigger-arm as shown.



2. Put the Trigger Arm onto the rib on the top of the Waste Section on the left-hand side. This rib locates the Trigger Arm in the correct position.

NOTE: For a higher capacity cartridge please consider using our **250g** High-Capacity hopper (CC1012 HP 1200,1300,1150 high-yield 15X hopper assembly) and our Jumbo **350g** hopper (CP1139 HP 1200,1300,1150 enlarged hopper assembly).

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