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Remanufacturing of the Konica Minolta PagePro 1350W Toner Cartridge

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The Konica Minolta PagePro 1350W was introduced in January 2004. Based on a Minolta 21ppm, 1200 DPI engine, and with a street price of less than \$180.00 USD (June 2004), these machines are becoming very popular. The high capacity toner cartridge lists for \$ 129.99 and sells wholesale for around \$112.00. As simple as these cartridges are, there is plenty of room for a nice profit. Laser printers have now joined ranks with Ink jet machines where a new set of cartridges costs more than the machine did new!! (New drum units list for \$90.00)

Other machines based on this engine are the Konica Minolta PagePro 1300W, and the Epson EPL-6200

SUPPLIES REQUIRED



- Minolta PagePro 1350 toner 135g bottle
- Small bottle of Acetone (Available from your local hardware store)
- Toner Magnet cloths
- Lint-free synthetic cotton 4"x 4" pads
- 99% pure Isopropyl Alcohol
- Cotton Swabs

TOOLS REQUIRED



- Toner approved vacuum.
- A small Common screwdriver
- A Phillips head screwdriver
- Needle nose pliers

DISASSEMBLY



Figures 1 and 2 show the tabs on the Konica Minolta cartridge and the Epson EPL-6200 cartridge. Although in the past this is how Minolta would differentiate between different brands, they are now identical. The difference is in the chip. See Figure 3

1) Remove the fill plug on the end of the cartridge. Dump the old toner out and discard. Vacuum the outside of the housing and the developer roller. Turn the developer roller a few times to vacuum all sides of the roller. See Figure 4.



Figure 1



Figure 2



Figure 3



Figure 4

Although we don't recommend it, once clean, you can fill the cartridge install the plug and you're done! We don't recommend this way because the Doctor Blade needs to be cleaned each cycle. Failure to do this will allow toner to build up on the blade causing vertical streaks, and eventually a ruined Developer Roller. The best way is as follows:

- 2) To fully clean this cartridge, the Developer Roller must be removed.
- 3) Remove both springs from each side of the developer roller. See Figures 5 & 6.
- 4) Remove the blue colored bushing from the left side. See Figure 7
- 5) Remove the pink bushing from the right side. See Figure 8

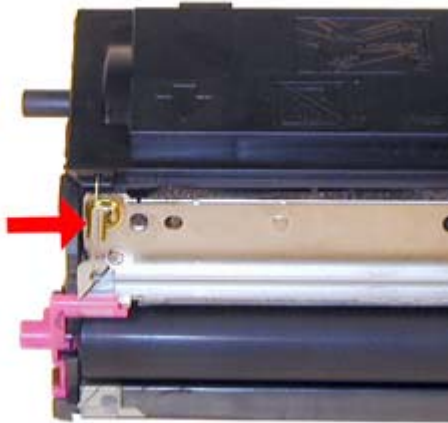


Figure 5

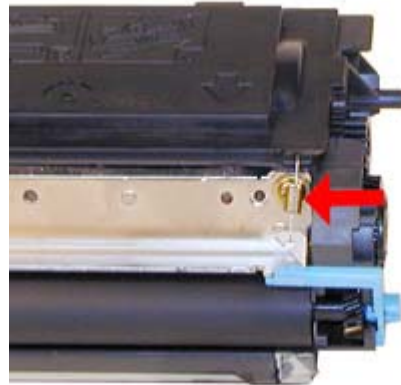


Figure 6



Figure 7



Figure 8

- 6) Remove the developer roller. See Figure 9
- 7) Remove the 2 screws from the doctor blade. See Figure 10

8) Remove the doctor blade. Carefully separate the foam seal from underneath the blade. Be careful not to tear this foam as the cartridge will leak. See Figure 11

9) Clean any remaining toner dust from the hopper and seals. See Figure 12



Figure 9



Figure 10



Figure 11



Figure 12

10) Clean the Doctor Blade with a cotton swab and a small amount of acetone. Remove any remaining residue with another cotton swab and 99% Isopropyl alcohol. See Figure 13.

11) Align the foam seal onto the small plastic posts on the hopper. See Figure 14

12) Install the doctor blade and two screws. Make sure the contact leaf spring is touching the back side of the blade. See Figures 15 & 16

13) Clean the Developer Roller Sleeve with a lint free cotton cloth, and place aside.

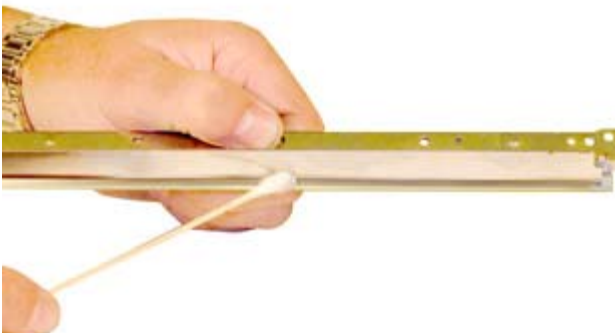


Figure 13



Figure 14



Figure 15

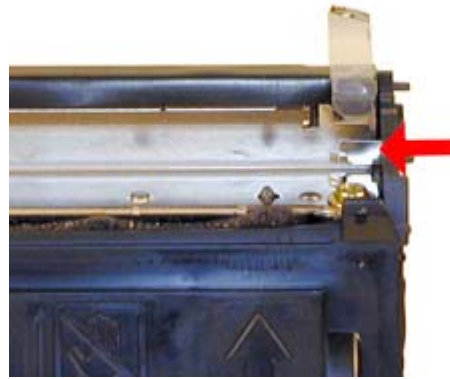


Figure 16

14) Install the developer roller gear side to the left. Make sure the clear spacers have the flat side down and that they are not crimped. See Figures 17 & 18

15) Install the pink bushing on the right side of the developer roller. The clear plastic band should be over the arm of the bushing. See Figures 19 & 20



Figure 17



Figure 18



Figure 19

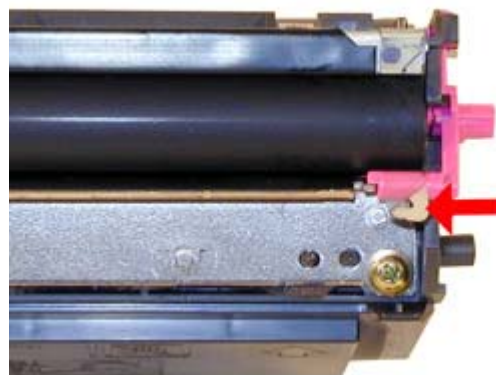


Figure 20

16) Install the blue spacer on to the left side of the developer roller. The clear plastic band should be over the arm of the bushing. See Figure 21

17) Install the small springs on both sides of the developer roller. The clear plastic band should be under the bushing. See Figures 22 & 23

18) Fill the cartridge with 1350 toner (135g). See Figure 24

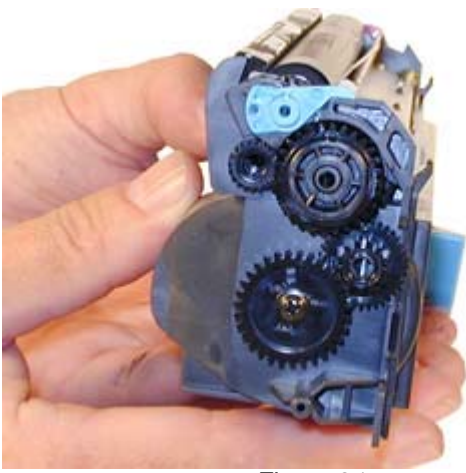


Figure 21



Figure 22



Figure 23



Figure 24

19) Install the developer roller cover. The clear plastic band should be under the bushing. See Figure 25

20) Replace the used chip with a new one. Make sure you have the correct chip for the brand cartridge you need. See Figure 26



Figure 25



Figure 26

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