

SAMSUNG® CLP-365

TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS



SAMSUNG CLP-365 TONER CARTRIDGE

REMANUFACTURING THE SAMSUNG CLP-365 COLOR TONER CARTRIDGES

By Mike Josiah and the Technical Staff at UniNet

The Samsung CLP-365 printers are based on an 18-ppm black and 4-ppm color Samsung engine. It has a first-page out in less than 14 seconds monochrome and 26 seconds color, and has a maximum resolution of up to 2400 x 600 DPI.

These machines have a very small footprint at 15" x 12.2" x 8.3" The machines are small and the toner cartridges are also small (thin). These are very simple cartridges to remanufacture. With the low stated yield, you could be seeing a lot of these!

CARTRIDGES USED IN THIS SERIES

| | | | | |
|------------------|------------------------|---------------------|--------------------------------|---------------------|
| CLT-K406S | Black | 1,500 pages | | USD\$68.99* |
| CLT-C406S | Cyan | 1,000 pages | | USD\$68.99* |
| CLT-M406S | Magenta | 1,000 pages | | USD\$68.99* |
| CLT-Y406S | Yellow | 1,000 pages | | USD\$68.99* |
| CLT-R406 | Imaging unit | 16,000 pages | black 4,000 color | USD\$122.99* |
| CLT-W406 | Waste toner box | 7,000 pages | black 1,750 pages color | USD\$12.99* |

*Pricing (in U.S. American Dollars) as of April 1, 2014

New printer's ship with starter cartridges rated for 700 pages black and 500 pages color. These cartridges all use regional chips that must be replaced each cycle. Make sure you have to correct color chip for your printers region.

PRINTERS BASED ON THIS ENGINE

Samsung CLP-360
Samsung CLP-365W
Samsung CLX-3300
Samsung CLX-3305
Samsung CLX-3305FN
Samsung CLX-3305FW
Samsung Xpress C410FW
Samsung Xpress C410W

Cartridge troubleshooting, as well as how to run test pages, will be covered at the end of this instruction.

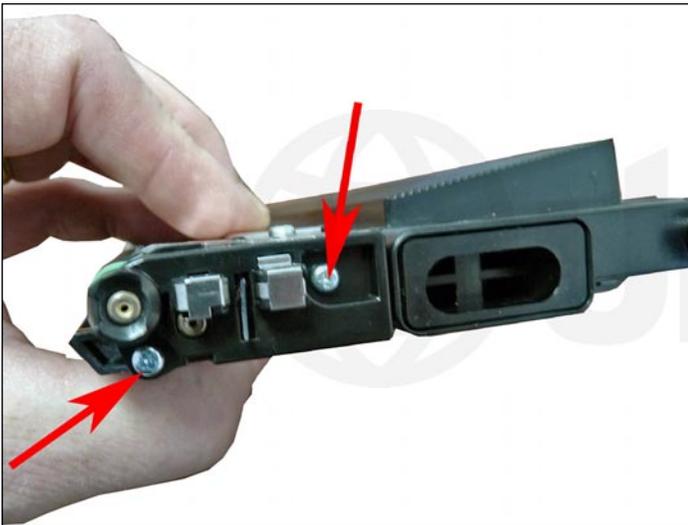
TOOLS REQUIRED

1. #1 Phillips head screwdriver
2. Small common screwdriver (jewelers type)
3. Thin needle nose pliers
4. Toner approved vacuum
5. Chisel type razor knife
6. Modified soldering iron to create cleaning/fill hole (see text)
7. Sturdy razor knife
8. Small Metal straight edge

SUPPLIES REQUIRED

1. Replacement toner for use in the Samsung CLP-365
2. Correct color and region replacement chip
3. CLP-300 style adhesive fill plug seals
4. Cotton swabs
5. Alcohol

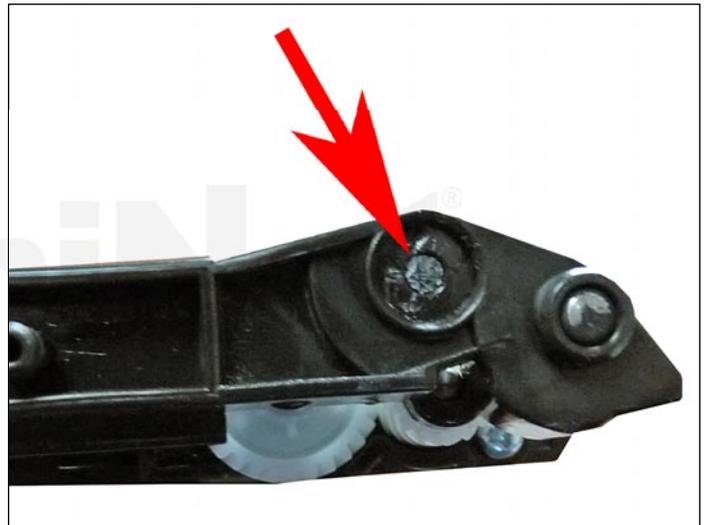
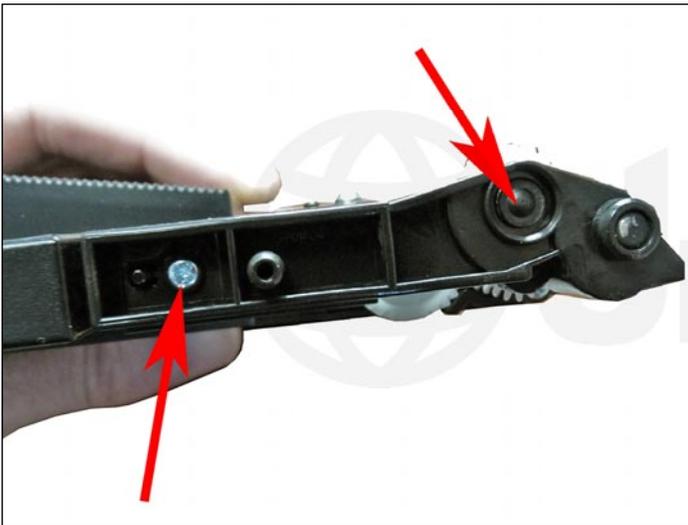




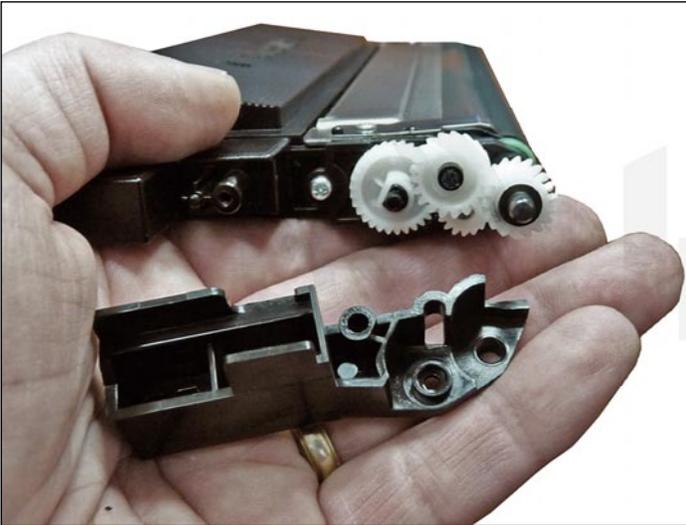
1. On the contact side of the cartridge, remove the two Phillips screws holding the end cap.



2. Pry off the end cap carefully with a small common screwdriver and remove it. Clean the metal bushings with a cotton swab and alcohol. Remove the green plastic bushing.



3. Remove the single screw on the gear side end cap, and with a chisel knife, slice the plastic rivet off.

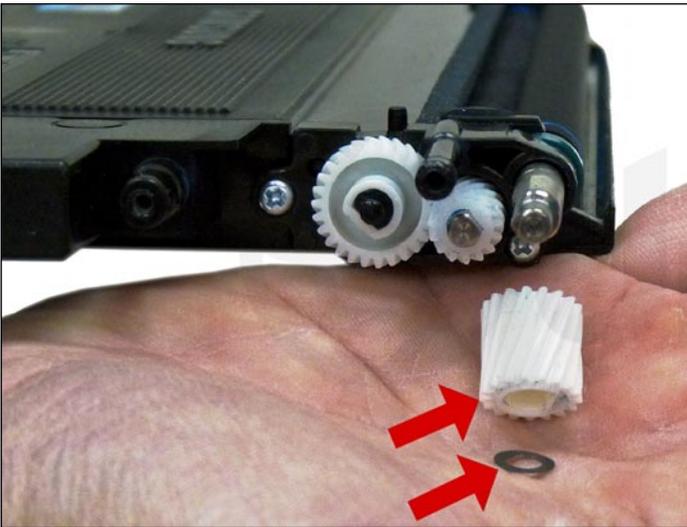


4. Remove the gear cover.



5. Remove the two screws from the top of the metal cover. The cover also acts as a doctor blade for the roller. Note the two cover/pressure plates on each side. They help provide pressure to the doctor blade. Do not lose them!

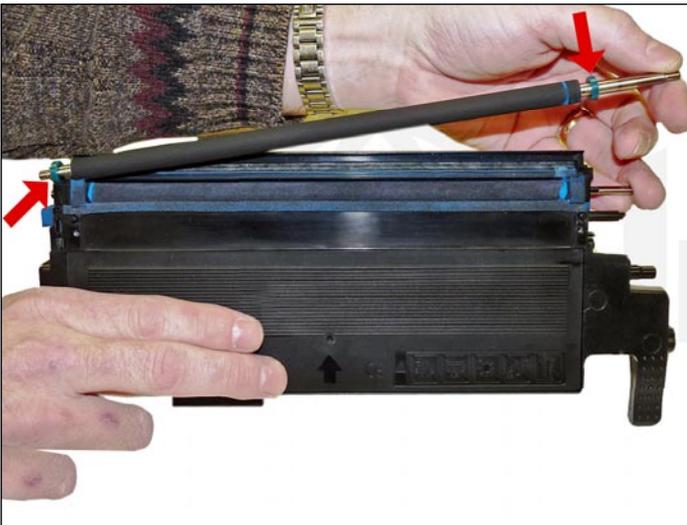
NOTE: Be very careful when removing the cover to protect the edge of the doctor blade. Any dent or mark on the doctor blade edge will seriously affect the quality of the print and possibly ruin the cartridge.



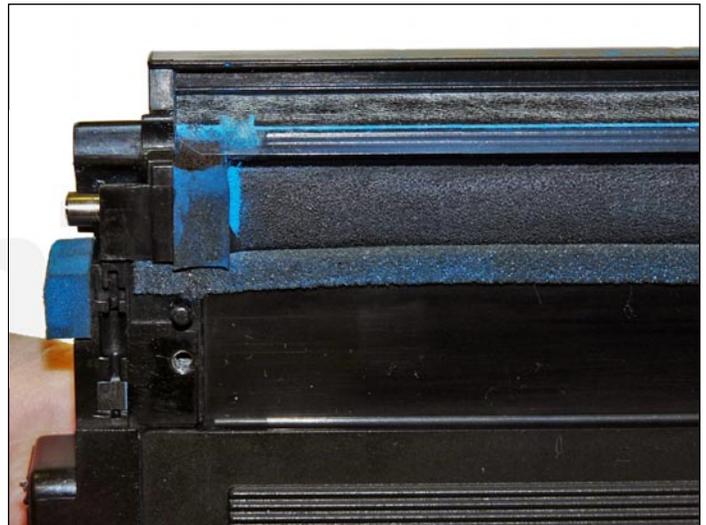
6. Remove the washer and developer roller drive-gear from the developer roller shaft.



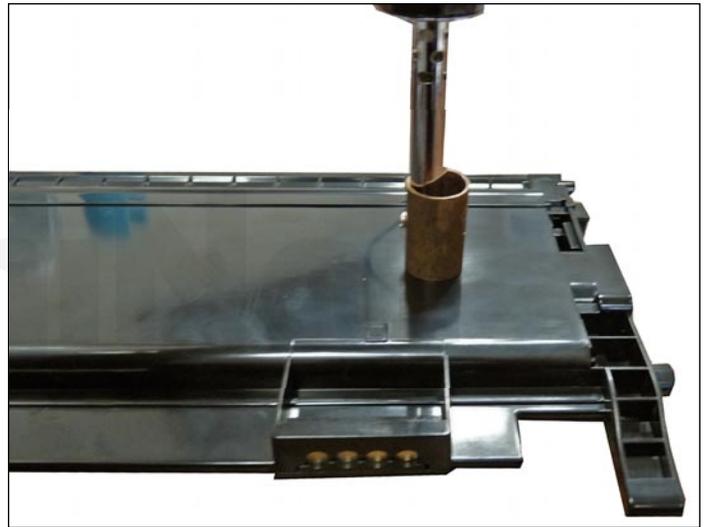
7. Remove the three remaining gears, the two screws and the inner gear plate.



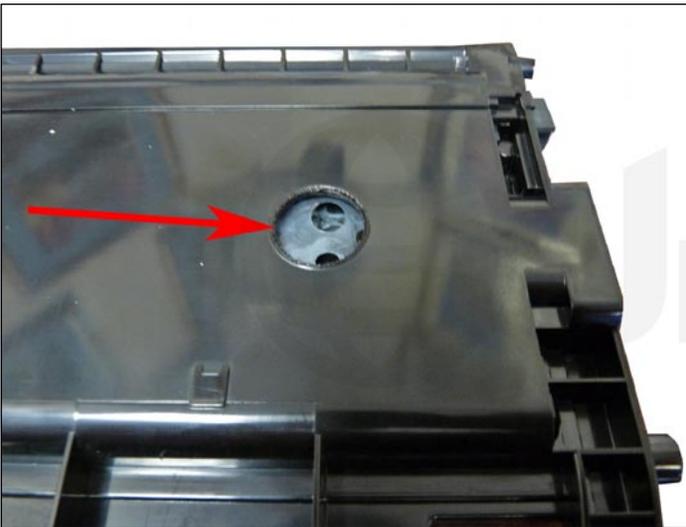
8. Slide the developer roller out. Be careful not to lose the green bushings from either side of the shaft.



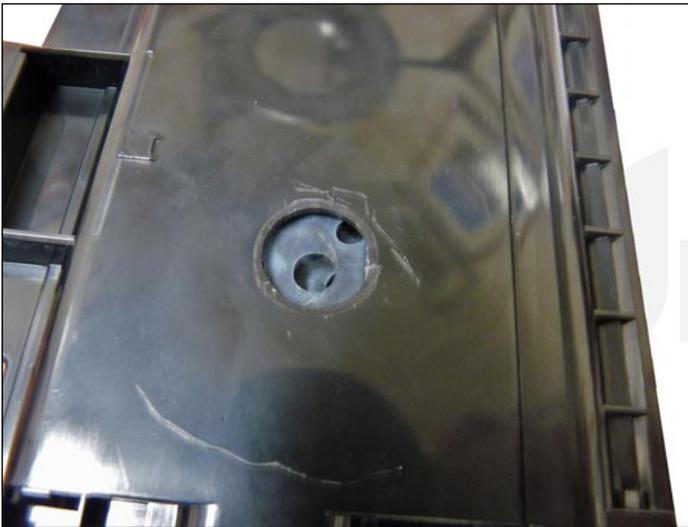
9. Wipe down the developer roller with a soft lint-free cloth. Vacuum the entire developing area including the seals of the cover/doctor blade.



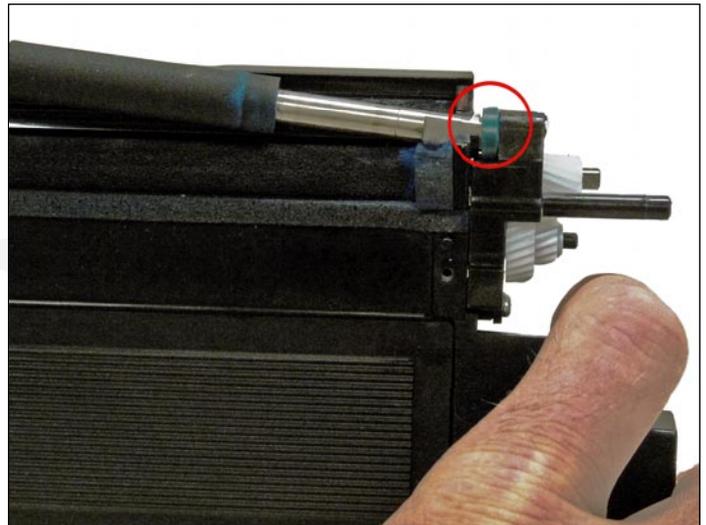
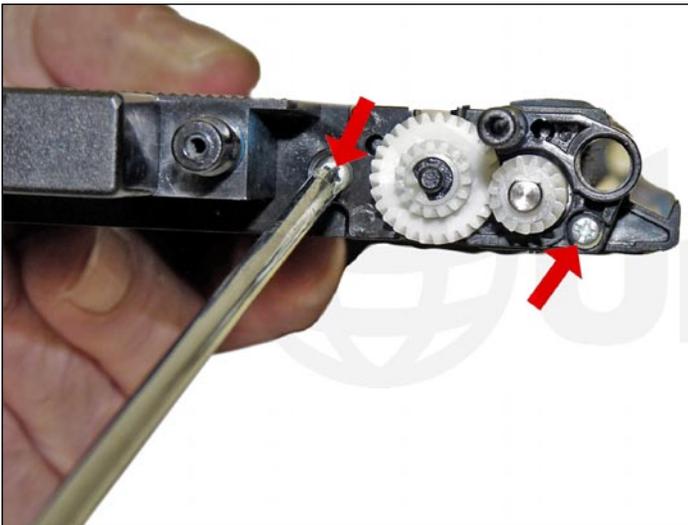
10. The toner fill plug in these cartridges is welded in so a hole must be created to be able to clean and fill the cartridge properly. Turn the cartridge over and locate the round mold mark on the smooth fill plug of the cartridge. With a modified soldering iron at full heat, melt a 3/4" hole in the cartridge. Be careful not to melt the plastic auger system inside the hopper. With the chisel knife, carefully trim the raised melted plastic from around the hole.



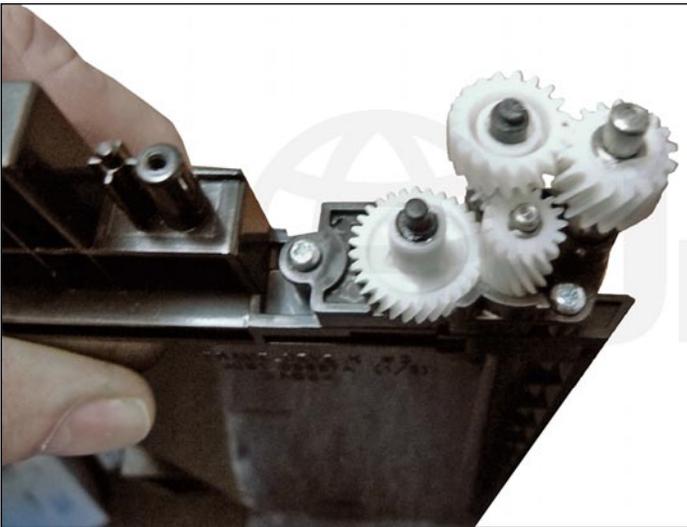
Cheap soldering irons can be modified to use either a copper union as shown or a copper end cap. The soldering iron just needs to have a tip that screws into the end for the end cap, or one that is held in place by a side screw, as we have shown here to use a union. They can be made to melt a cleaner hole by filing the inside edge slightly to taper it in and leave a pointed edge.



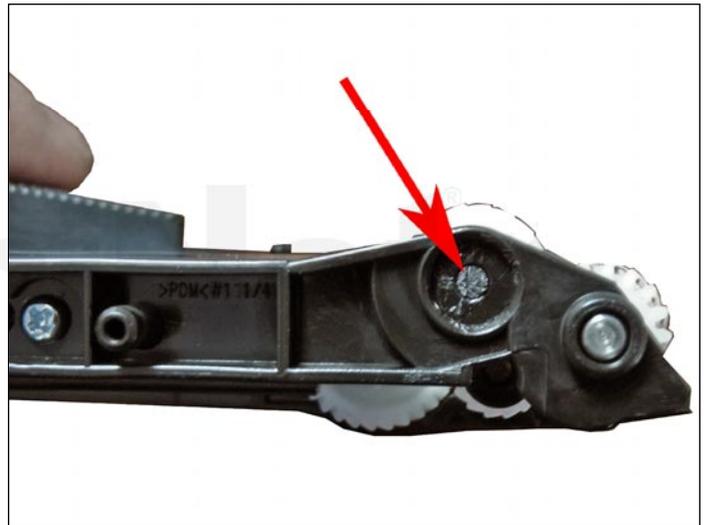
11. Vacuum the chamber clean.



12. Install the developer roller with the respective green separation bushing in position, and insert the long keyed side of the shaft through the support. Install the opposite side green bushing.

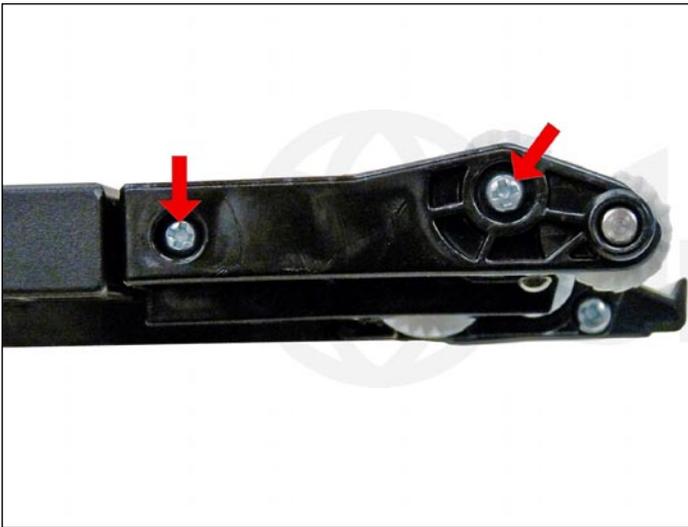


13. Install the inner gear plate, two screws and four gears.

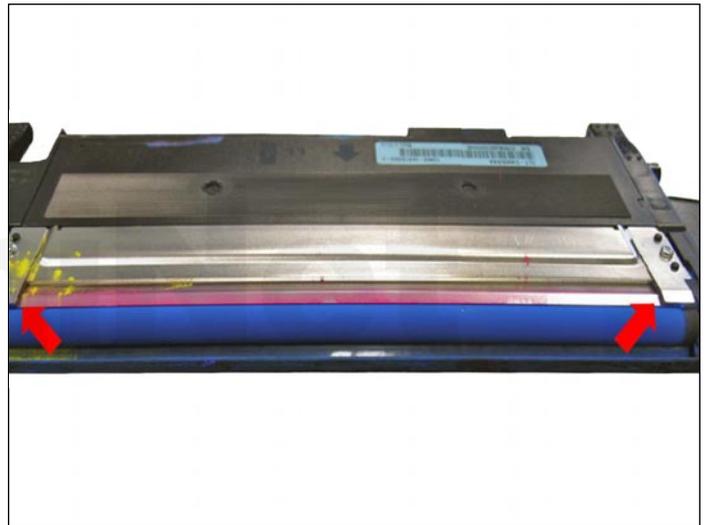


14. Install the gear side end cap and one screw.

The post that was cut will have a small drop of hot glue placed on it at the end of the build.

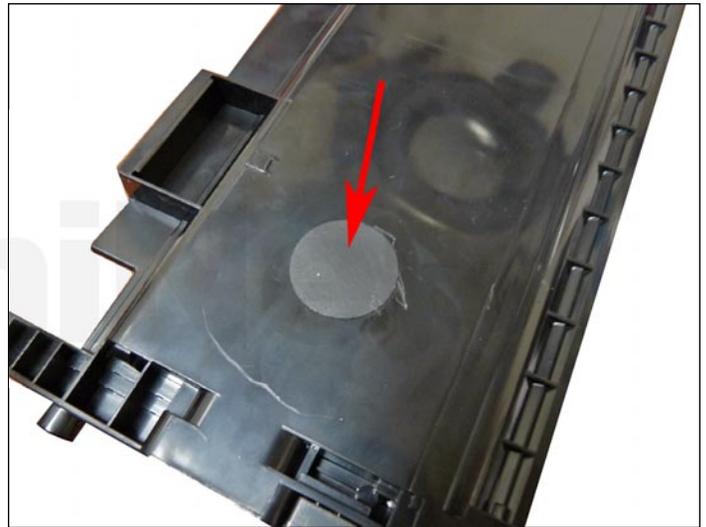


15. Install the contact-side end cap and two screws.



16. Carefully clean the cover/doctor blade and install it. Fit the individual doctor blade pressure plates on their proper sides and secure with the two screws.

One important tip when installing the doctor blade is to make sure the blade is laid next to the sealing foam ends, and not on top of them. This may cause lighter density on the ends and toner seepage.



17. Fill the cartridges with the correct color replacement toner for use in the Samsung CLP-365.

Install the sealing label over the hole.

Check for leaks.

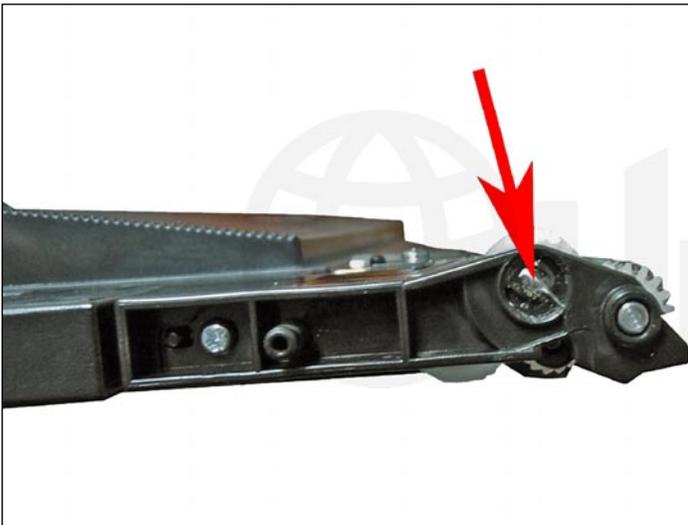


18. To replace the chip, take a small metal straight edge and place it along the cartridge edge as shown. With a sturdy razor knife, cut a line across the chip cover. Remove the straight edge and carefully cut repeatedly along the line until the chip cover has been cut away. Make sure you cut away from yourself in case you slip with the knife!



19. Remove the old chip and slide in the replacement chip as shown.

Place a small drop of hot glue on each corner of the chip to hold it in place.



20. Place another small drop of hot glue on the cut post of the gear side end cap.



21. Install the developer roller cover.

REPETITIVE DEFECT CHART

| | |
|----------------------------|-----------------|
| OPC drum: | 188.5 mm |
| Upper fuser roller: | 86.4 mm |
| Transfer roller: | 54.64 mm |
| Lower fuser roller: | 50.3 mm |
| Toner feed roller: | 47.5 mm |
| PCR: | 37.7 mm |
| Developer roller: | 26.0 mm |

PRINTING TEST PAGES

Demo Page:

1. With the printer in the Ready Mode, open the printer driver and open the Printing Preferences menu.
2. Click on the Samsung tab, and then the Demo Page tab.
3. The Demo Page will print out.