

SAMSUNG® SCX-6555

TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS



SAMSUNG SCX-6555 TONER CARTRIDGE

REMANUFACTURING THE SAMSUNG SCX-6555 TONER CARTRIDGES

By Mike Josiah and the Technical Staff at UniNet

The Samsung SCX-6555 is a print/scan/copy/fax engine that runs at 1200 DPI with speeds of up to 55 ppm and has a first page out in less than eight seconds. The monthly duty cycle is 250,000 pages per month. These machines come in multiple configurations with different paper trays, duplexing, 80Gb hard drives, multi-bin mailboxes, and finishers all available. These are not small machines, with dimensions of 25"(W) x 19"(D) x 24"(H), and a base weight of 98 lbs.

There is a separate toner and drum cartridge used in these machines. The Samsung toner cartridge SCX-D6555A is rated for 25,000 pages, and has a list price of \$87.99 USD. The chips on these cartridges need to be replaced each cycle. The drum unit (part # SCX-R6555A) is rated for 80,000 pages and will be covered in separate instructions.

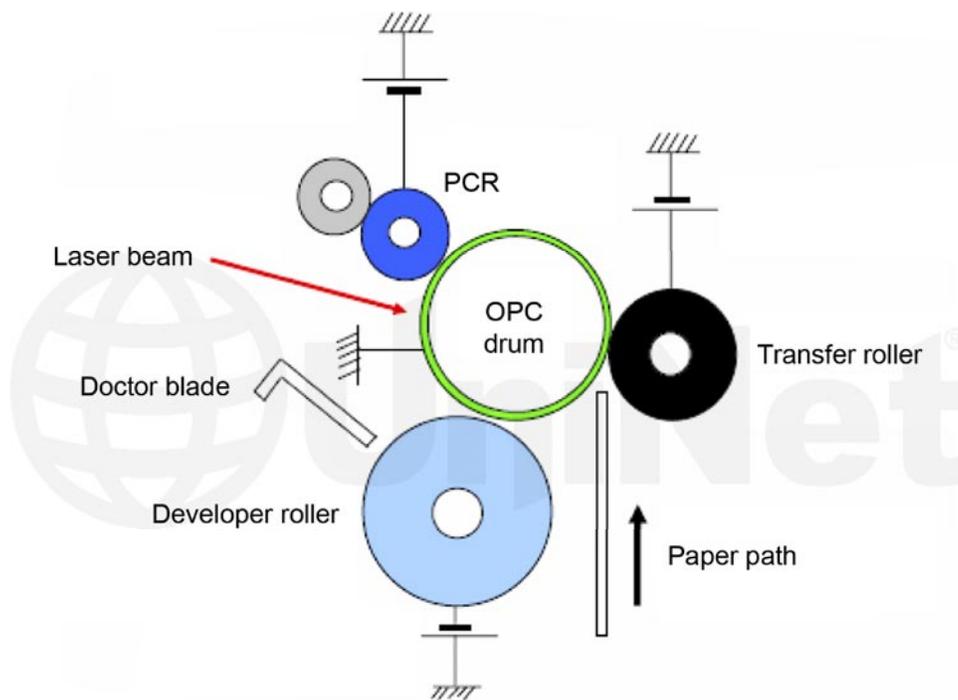
These are extremely easy cartridges to remanufacture. They take minimal time and really don't need to be tested, as there is nothing to wear out. All the normal wear parts like the PCR, developer roller, etc. are in the drum unit.

These cartridges only consist of a supply hopper with a waste chamber. Although there is one part that you do need to be aware of, that can wear down on multiple-use cartridges. This point is covered at the end of these instructions.

CURRENT MACHINES BASED ON THE SAMSUNG SCX-6555 ENGINE

Samsung SCX-6545N

Samsung SCX-6555N



Shown a basic diagram of the printing process used in this engine.

All very basic, so there is no need to go into the actual theory.

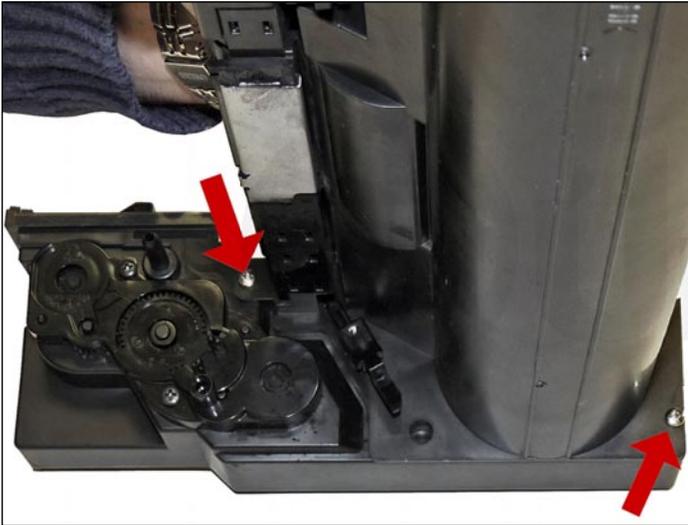
Cartridge troubleshooting/information are covered at the end of this article.

SUPPLIES REQUIRED

1. 560g new replacement toner for use in the Samsung SCX-6555
2. Replacement chip

TOOLS REQUIRED

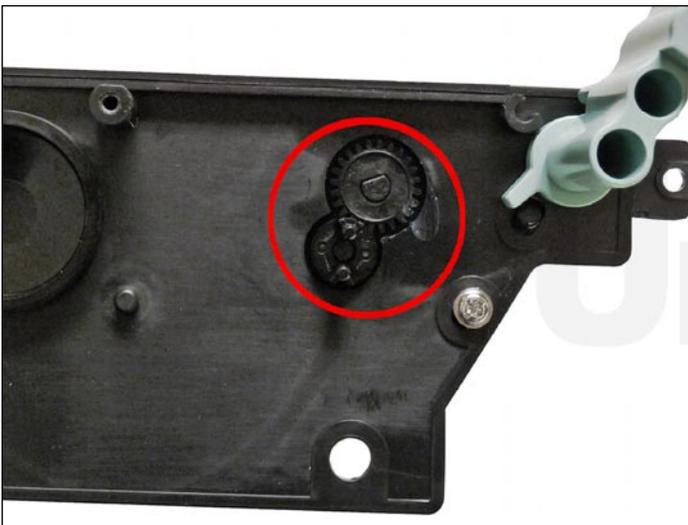
1. Phillips head screwdriver
2. Small common screwdriver
3. Vacuum approved for toner



1. Remove the two screws located on the waste chamber.



2. Remove the screw that is located under the colored plastic handle.

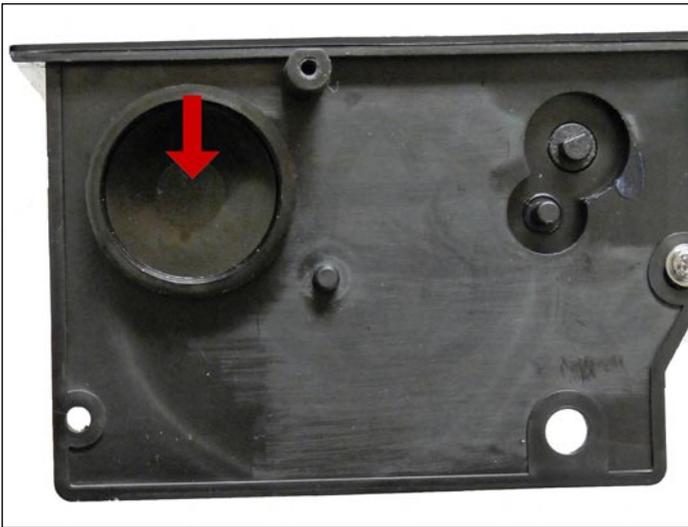


3. Remove the waste chamber. There are two small gears that will come loose.

Be careful not to lose them.

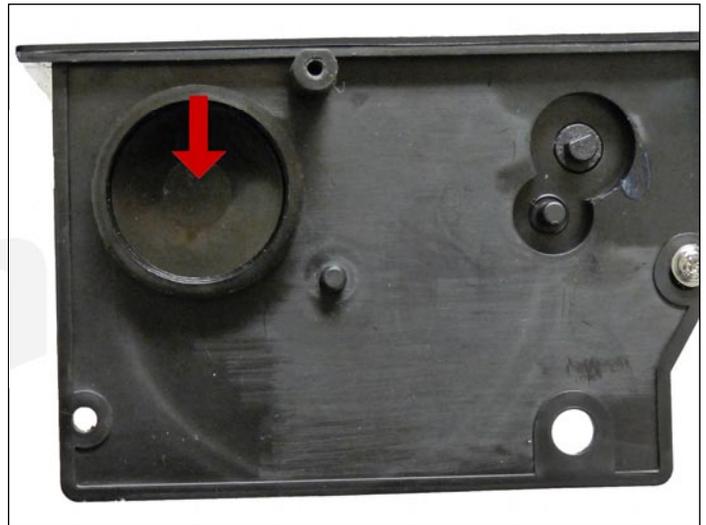
Slide the cover open and vacuum/blow the waste chamber clean.



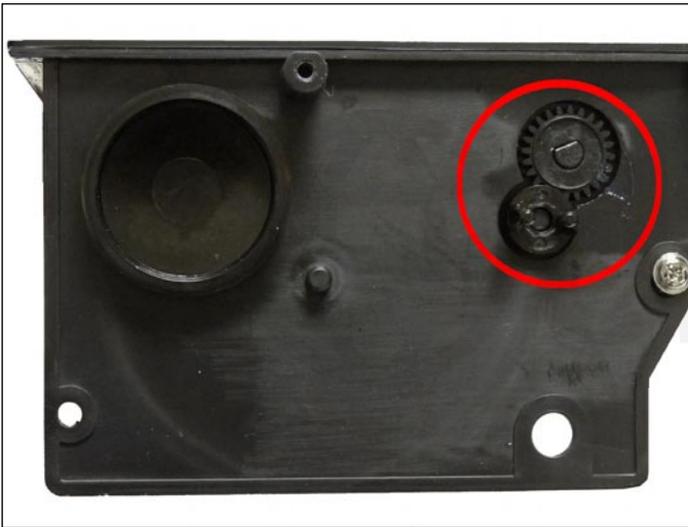


4. Remove the toner fill plug.

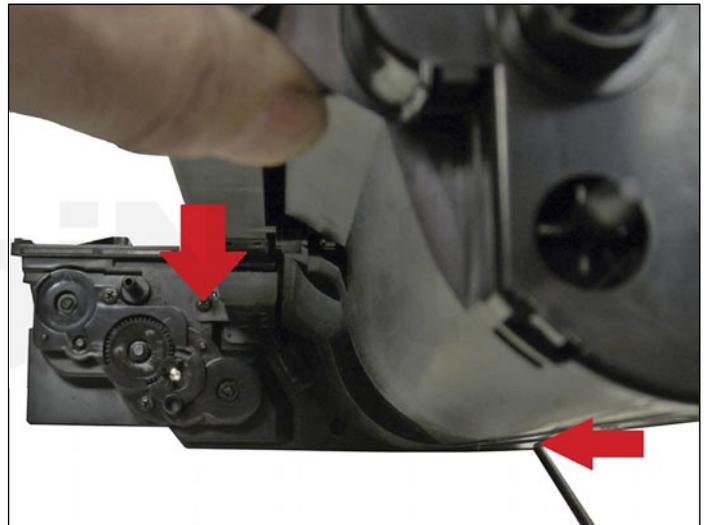
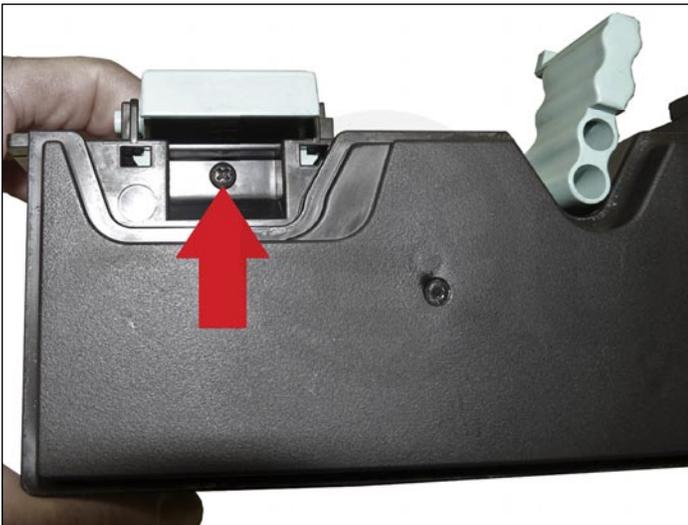
5. Dump the bulk of the remaining toner out of the cartridge. Vacuum and blow out the toner supply chamber clean.



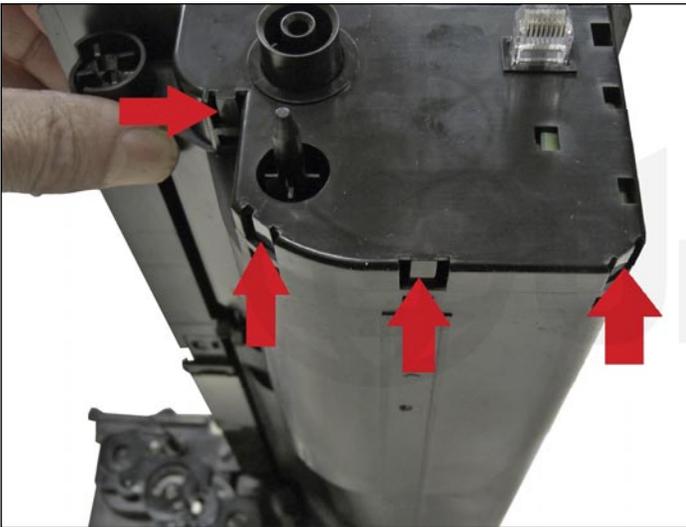
6. Fill the cartridge with toner for use in the Samsung SCX-6555 toner cartridge, and replace the fill plug.



7. Install the two gears on the hopper.



8. Install the waste chamber and three screws.



9. Press in on the four tabs on the opposite side of the cartridge.

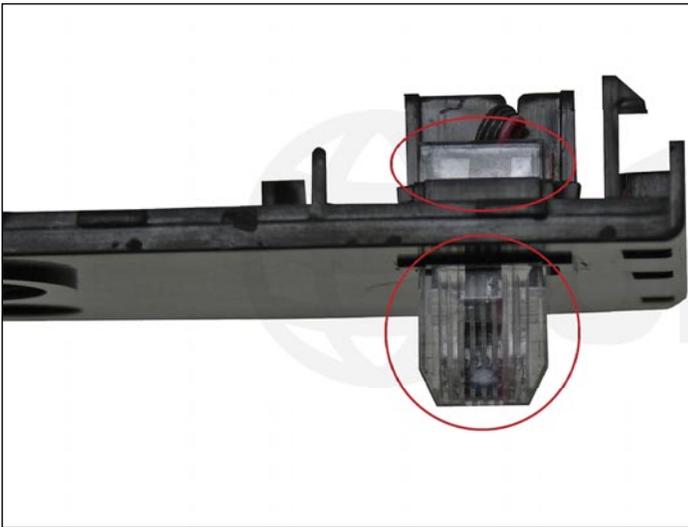
Remove the end cap.



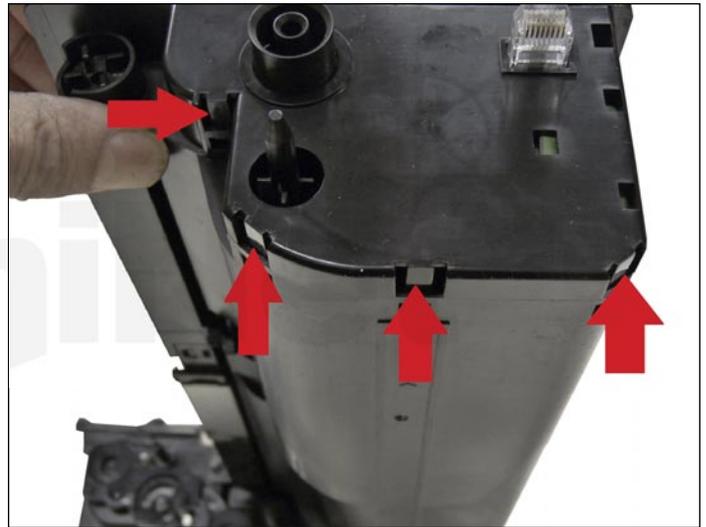
10. Replace the chip on the cartridge.

Note that the OEM chip is a contact-type chip that uses a cable and RJ-45 type connector.

Press in on the board locking tabs and then also the locking side tabs on the connector.



11. Snap the connector in place. Make sure the connector protrudes to the correct distance from the end cap (will be correct when it snaps in place).



12. Install the end cap so that all four tabs lock it in place.



CARTRIDGE TROUBLESHOOTING

On this type of cartridge, there is really nothing that can go wrong - print wise, but there is one plastic failure point that you need to be aware of. After a few cycles, the plastic clip indicated here can wear down, and not allow the handle to lock in place properly. If this happens, you will get a “Cartridge not installed” message. This can sometimes be fixed by reforming the clip with a plastic welding iron or a low wattage soldering iron, but at best this is a temporary fix. The cartridge should really be replaced when this happens.

Again, there is really not much that can go wrong with these cartridges. From our experience, it is a safe bet that most of the problems will come from the drum unit.

IMAGE DEFECT CHART

Developer roller:	39.25 mm
PCR:	43.96 mm
Transfer roller:	57.14 mm
OPC drum:	94.3 mm
Upper fuser roller:	125.6 mm
Lower pressure roller:	157 mm