

EASY TO REMANUFACTURE ASIAN CARTRIDGES



CANON IR C3200



KYOCERA TK 112



KYOCERA TK 332



SAMSUNG CLP 300



SAMSUNG CLP 350 - BLACK



SAMSUNG CLP 350 - COLOR



XEROX DOCUPRINT C1110



XEROX PHASER 7760

EASY TO REMANUFACTURE ASIAN CARTRIDGES

By the Technical Staff at UniNet

This is a continuation in a series on easy to do color and monochrome cartridges you may be passing up but shouldn't be. They represent some of the best profit opportunities currently in our industry. These cartridges are all very simple, and with a good majority of them there is nothing to test! Training is minimal and in all cases the time needed to do them is very small. For the purposes of these articles, we will not be going in depth but to be honest there really is no need. Some use chips while some do not. Some have waste chambers and others are purely a supply hopper. All of this will be covered.



CANON IR C3200 SERIES



1. Take a long common (flat) screwdriver and insert it into the top two holes on the label end cap. Place the edge of the screwdriver against the plastic weld and snap the weld off in both places. This may have to be done multiple times from different angles.



2. Remove the Cartridge ID label from the end cap.



3. Remove the two remaining welds in the same manner as Step 1.



4. Remove the end cap



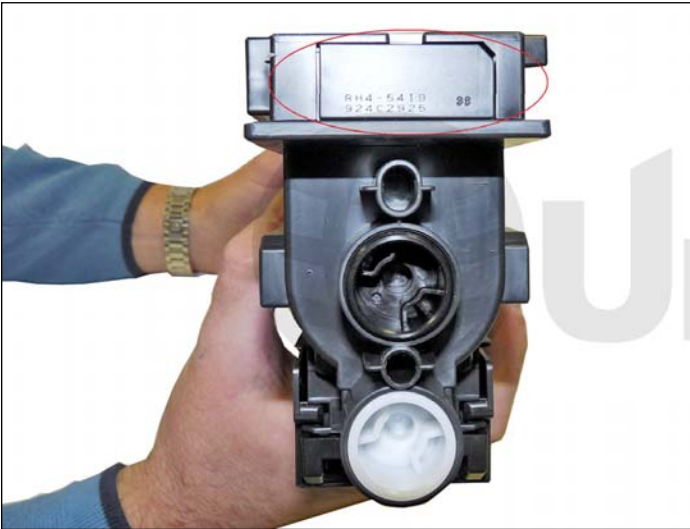
5. Remove the fill plug and clean out all remaining toner.



6. Fill the hopper with new Canon C3200 toner and replace the fill plug.



7. Install the end cap on the cartridge. An easy way to do this is to place four drops of hot glue on the four broken posts. Quickly place the end cap on before the glue dries. If further help is necessary to keep the end cap on, black tape along the seam works well.



8. Replace the chip from the opposite end of the cartridge. This chip is an RF type that is encased in the same type plastic housing as the HP 4100 chips are. The chip is different though!



KYOCERA TK-112

The Kyocera TK-112 series toner cartridges are used in the FS-720, 820 and the 1016. They are rated for 6,000 pages at 5% coverage. There are also the TK-112E and TK-110 cartridges that are sold in Europe (3,000 and 6,000 pages respectively). There is no chip on the cartridge.



1. Remove the fill plug.

Clean out all the remaining toner.



2. Make sure the toner port is closed.

Fill with the TK-112 toner.



3. Re-install the fill plug.



KYOCERA TK-332

The Kyocera TK-332 series toner cartridges are used in the FS-4000. They are rated for 20,000 pages at 5% coverage. The toner cartridge sells with a waste toner bottle and a corona grid cleaner. There is a chip on the cartridge that must be replaced each cycle. The printer ships with starter toner cartridge rated at 10,000 pages. The supplies used in this cartridge are also compatible with the following toner cartridges: FS-2000 OEM TK-312 USA and TK-310 Europe rated at 12,000 pages, FS 3900 OEM TK-322 USA and TK-320 Europe rated at 15,000 pages, and FS 4000 OEM TK-332 USA / TK-330 Europe rated at 20,000 pages.



1. Remove the fill plug.

Clean out all the remaining toner.



2. Make sure the toner port is closed.

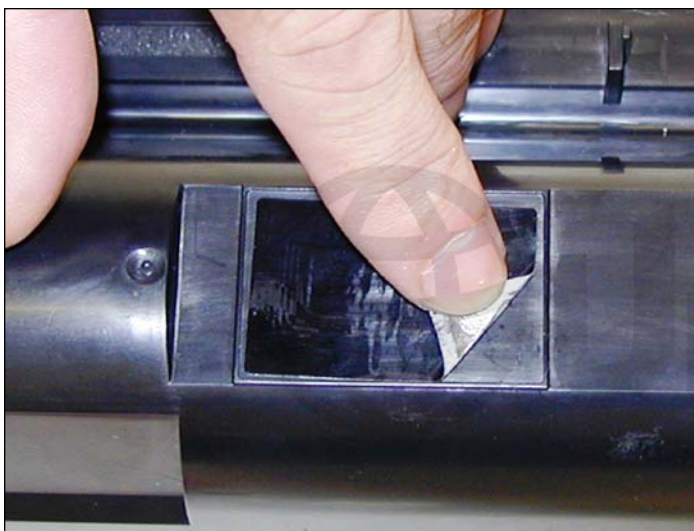
Fill with the TK-332 toner.



3. Re-install the fill plug.



4. Clean out or replace the waste bottle.

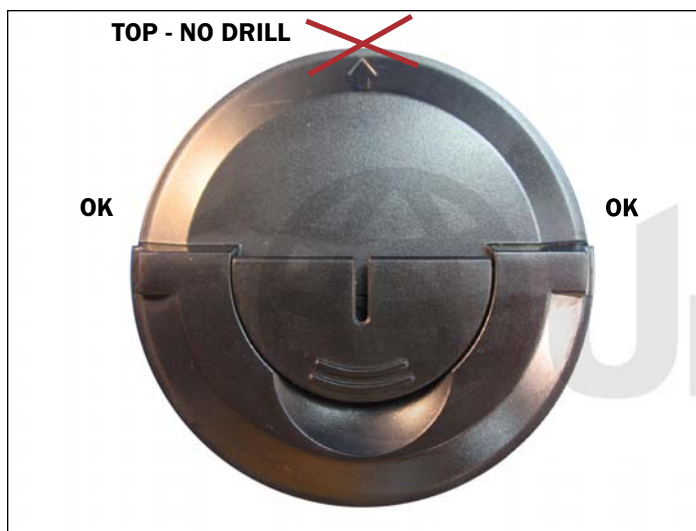


5. Replace the RF type chip (the chip is manufactured into the label).



SAMSUNG CLP-300

The cartridges are rated for 2,000 pages Black and 1000 pages Color. The OEM cartridge part numbers for China are CLP-K300A/XIL Black, CLP-C300A/XIL Cyan, CLP-M300A/XIL Magenta and CLP-Y300A/XIL Yellow. OEM cartridge part numbers for Korea are CLP-K300A Black, CLP-C300A Cyan, CLP-M300A Magenta and CLP-Y300A Yellow. There is a chip that has to be replaced each cycle, and the cartridge itself has to be modified in order to refill it.



1. In order to clean and fill the cartridge, a hole must be drilled or melted into the cartridge. The hole cannot be placed at the top of the cartridge as that will cause cartridge problems.



2. The hole can be drilled with a 1/2" drill bit or melted with a soldering iron. If it is drilled, great care must be taken to get all the shavings out. If it is melted, the outer edge of the hole has to be shaved flat with a razor blade. Clean out all the remaining toner/shavings thoroughly.



3. Insert a small funnel into the hole.

Fill with new CLP-300 toner.

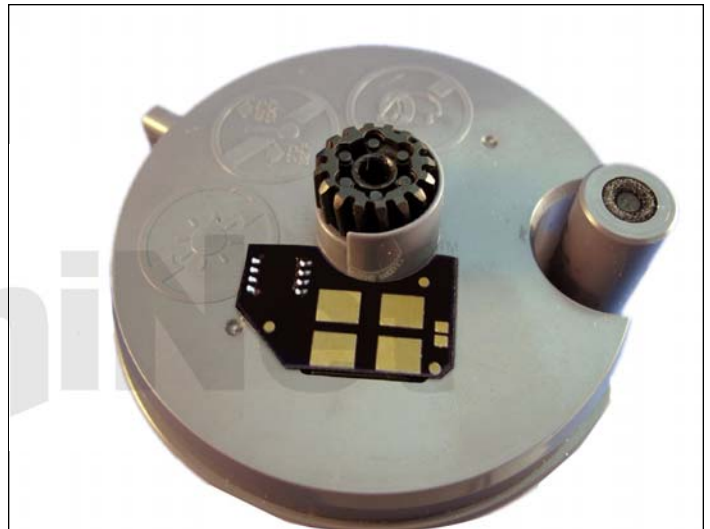


4. Cover the hole using a small piece of tape. Make sure the seal is tight and that there are no leaks. Also make sure the tape/label does not extend to the top of the cartridge as it is installed, this area has a very tight fit and the seal may be torn off as the cartridge is installed.



5. The OEM chip is not removed. A new chip is placed over it.

Peel off the adhesive backing on the chip and place it over the OEM.





SAMSUNG CLP-350

The CLP-350 cartridges are rated for 4,000 pages Black and 2,000 pages Color. The OEM cartridge part numbers for China are CLP-K350A/XIL Black, CLP-C350A/XIL Cyan, CLP-M350A/XIL Magenta, and CLP-Y350A/XIL Yellow. OEM cartridge part numbers for Korea are CLP-K350A Black, CLP-C350A Cyan, CLP-M350A Magenta, and CLP-Y350A Yellow. There is a chip that has to be replaced each cycle, and the cartridge itself has to be modified slightly in order to refill it.



1. In order to clean and fill the cartridge, a hole must be drilled or melted into the cartridge. The hole cannot be placed at the top of the cartridge, as that will cause cartridge problems. The Black cartridge (left photo) should have the hole placed on one of the flat sides. The color cartridges (right photo) should be between 1 and 3 o'clock position or in the top right quarter.



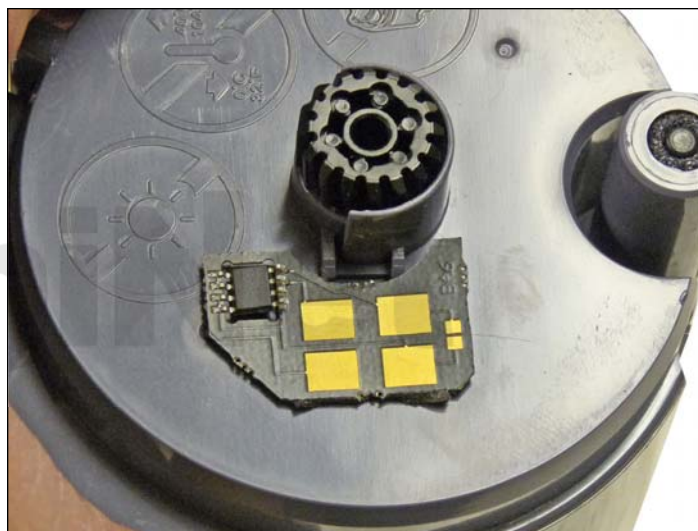
2. The hole can be drilled with a 1/2" drill bit or melted with a soldering iron. If it is drilled, great care must be taken to get all the shavings out. If it is melted, the outer edge of the hole has to be shaved flat with a razor blade. Clean out all the remaining toner/shavings thoroughly.



3. Insert a small funnel into the hole and fill with new CLP-350 toner.



4. Cover the hole using a small piece of tape. Make sure the seal is tight and that there are no leaks. Also make sure the tape/label does not extend to the top of the cartridge as it is installed. This area has a very tight fit and the seal may be torn off as the cartridge is installed.



5. The OEM chip is not removed. A new chip is placed over it.

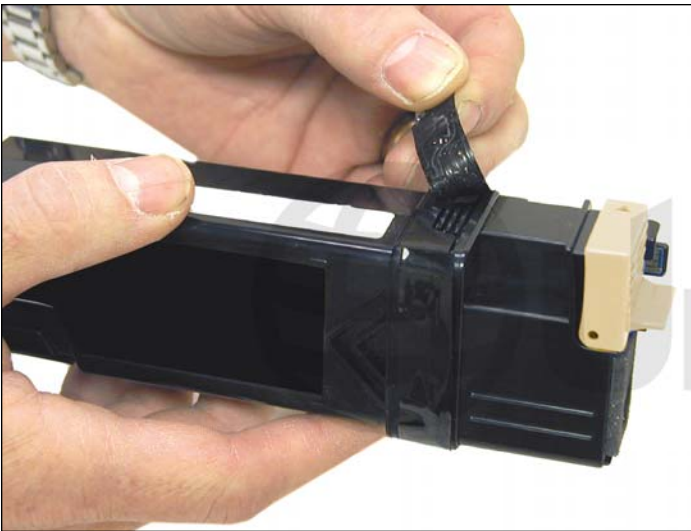
Peel off the adhesive backing on the chip and place it over the OEM.



XEROX DOCUPRINT C1110

The Xerox Docuprint C1110 cartridges are rated for 2000 pages.

There is a chip that must be replaced every cycle.



1. Remove the black tape from the seam of the supply hopper and the waste chamber. Save the tape for use when re-assembling the cartridge.



2. Press in on the two tabs of one side as shown to release the waste chamber. It is sometimes helpful to press back on the waste chamber as the tabs are pressed in.

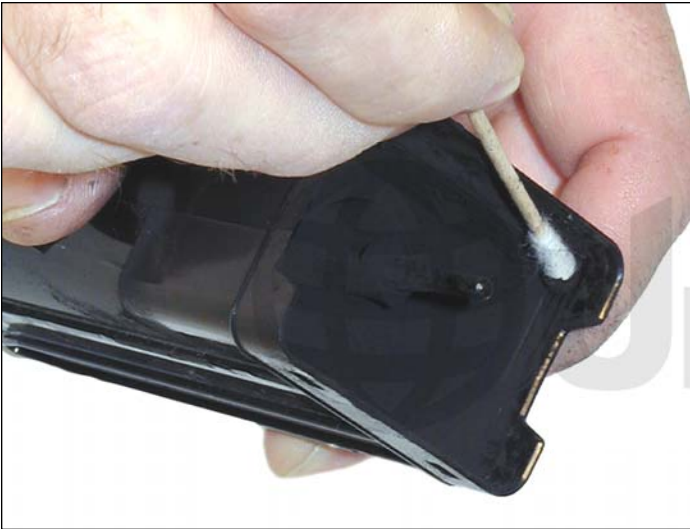


3. Remove the supply hopper cover.

Clean out any remaining toner from both chambers.



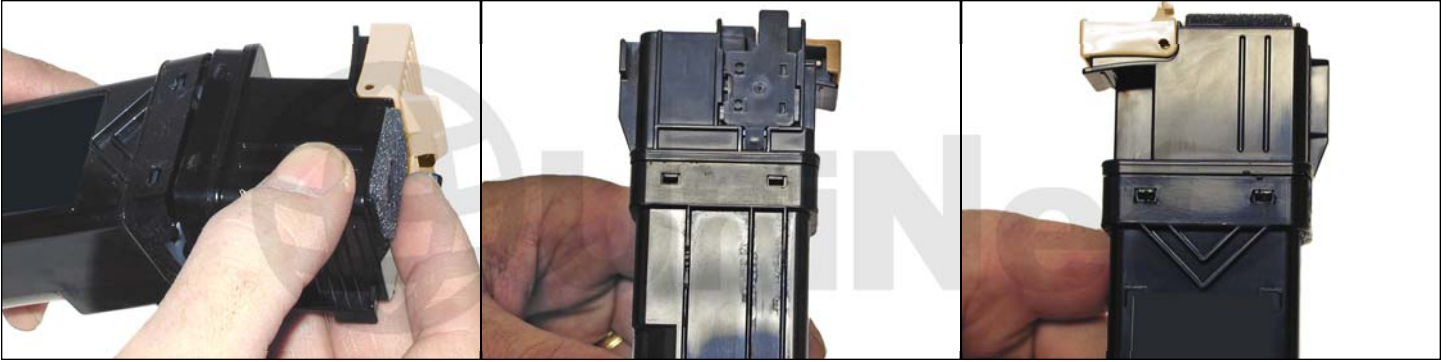
4. Fill the hopper with the appropriate color toner. Remember, while the cartridges all look the same, they are not interchangeable. Each color has a different set of plastic tabs.



5. Clean the plastic lip where the hopper cover sits of any toner.

Replace the cover.



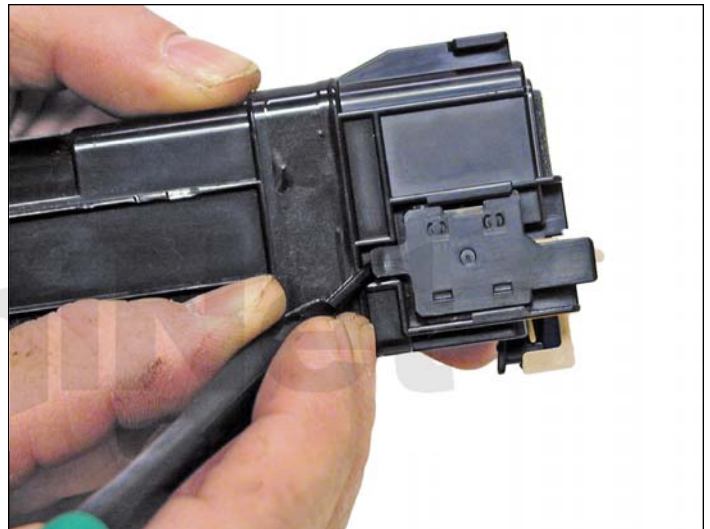


6. Install the waste chamber on to the supply hopper.

Make sure all four tabs are locked in place.



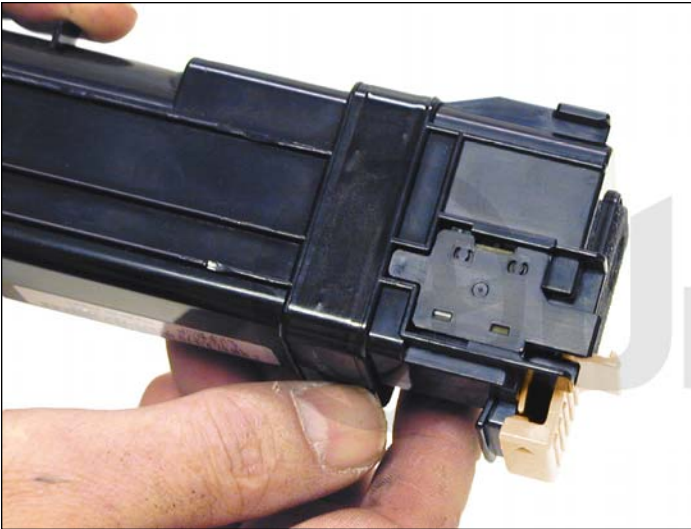
7. Re-install the black tape seal across the seam. If the OEM tape is not useable, good black rubber electrical tape (NOT the vinyl type) will work fine (toner will stick to anything made from vinyl).



8. Carefully pry up the plastic chip holder tab.



9. Slide the holder out of the cartridge and replace the chip.



10. Slide the holder back in place until the tab locks in place.



XEROX PHASER 7760

The Phaser 7760 cartridges are rated for 32,000 pages Black and 25,000 Color. The OEM numbers are 106R01163 Black, 106R01160 Cyan, 106R01161 Magenta, and 106R01162 Yellow. There is a chip that must be replaced every cycle.



1. Remove the tape from the colored end cap.



2. Remove the end cap.



3. Vacuum the tube clean and fill with new Phaser 7760 toner.



4. Replace the end cap. Replace the tape.



5. Replace the chip by prying up the center tab while using a small screwdriver to move the chip out.

Install the new chip component side down. Make sure the two edge tabs lock the chip in place.

