

KYOCERA® FS-4100

EASY TO REMANUFACTURE CARTRIDGE INSTRUCTIONS



KYOCERA TK-3110/3112/3114 TONER CARTRIDGE

REMANUFACTURING THE KYOCERA FS-4100 TONER CARTRIDGE

By Mike Josiah and the Technical Staff at UniNet

The Kyocera FS-4100 printer is based on a 45-ppm engine with a maximum resolution of 1200 x 1200 dpi. The first page out is stated to be under 9 seconds. The printer's memory starts at 256MB but can be upgraded to 1.2GB.

The toner cartridges are just simple toner boxes. They will be included in a future "Easy to do" cartridge series, but there has been a lot of questions on them so we're doing it now also.

THE CARTRIDGES USED IN THESE MACHINES

TK-3110 Europe	15,500 pages	
TK-3112 USA	15,500 pages	USD\$89.99*
TK-3114 Australia	15,500 pages	

*Pricing (U.S. Dollars) as of February 2016.

Currently only the FS-4100DN printer uses this cartridge.

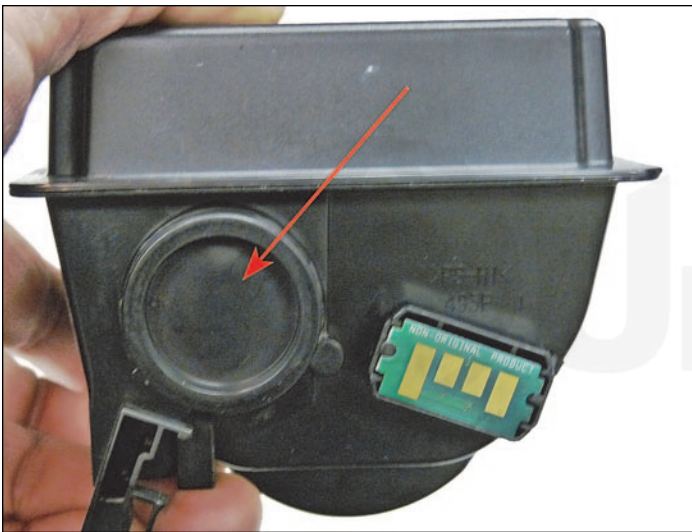
As these are so fast and simple to do, they are nice profit centers!

REQUIRED TOOLS

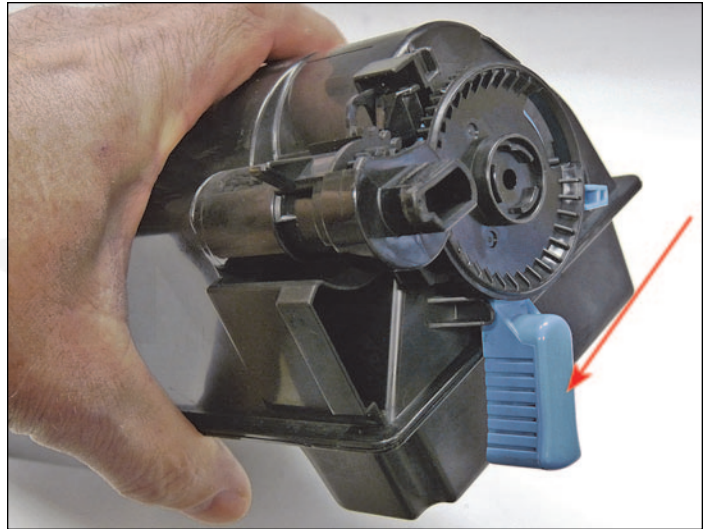
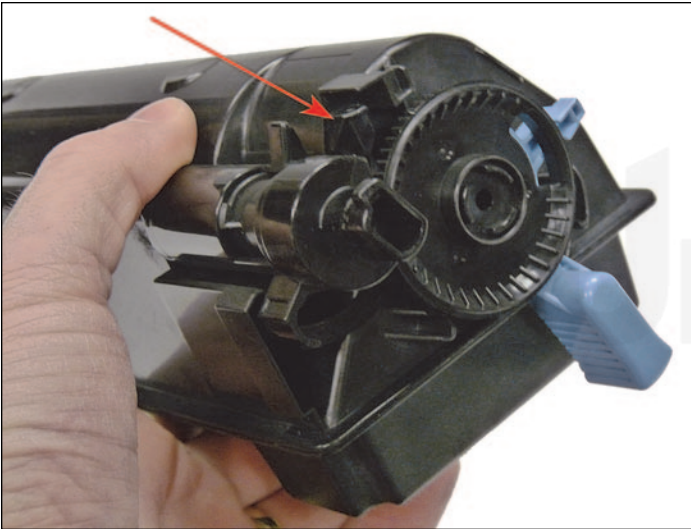
1. Toner approved vacuum
2. Special tool to melt a hole in the hopper (see text)

REQUIRED SUPPLIES

1. Toner for use in the Kyocera FS-4100DN series
2. New replacement chip (check for the proper region)
3. Seal to cover the hole melted in the hopper (see text)

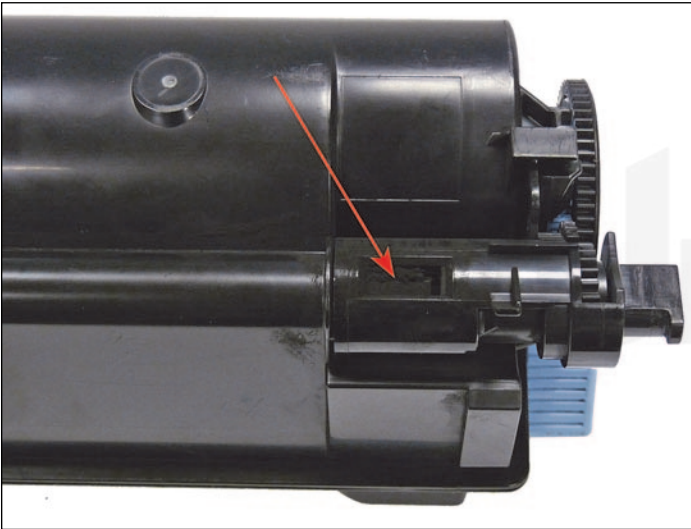


1. The toner cartridge has a fill plug, but it's glued in place and is very difficult to remove.



2. Locate the release tab by the toner port.

Press in on the tab and move the blue lever to open the port.



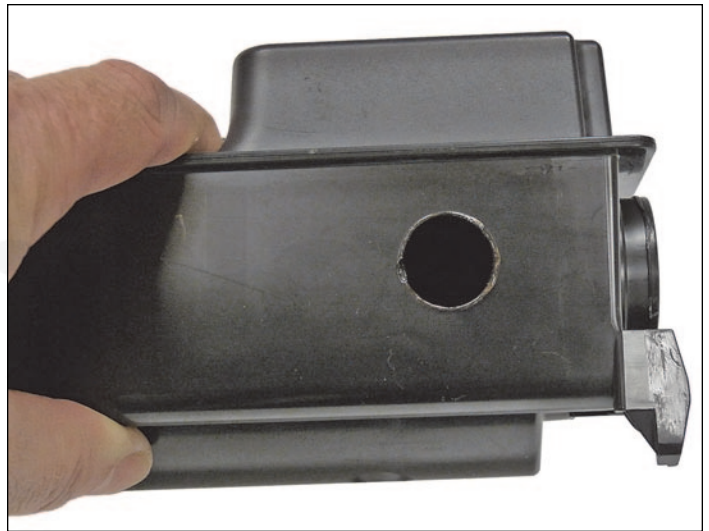
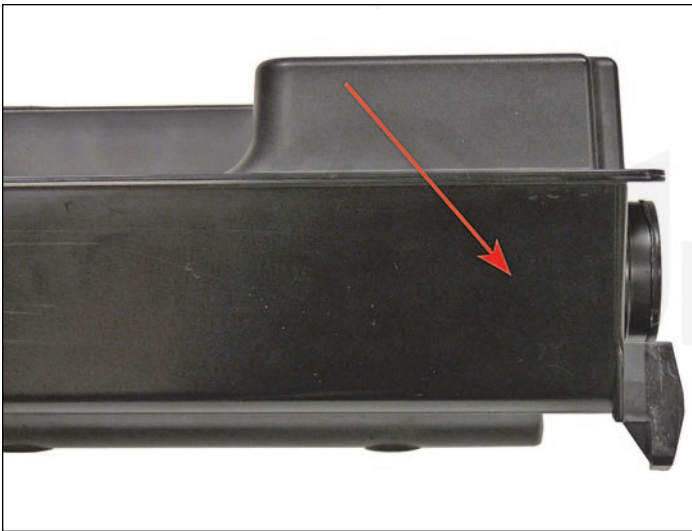
3. Clean out as much toner as you can from the port.

There is an auger inside.

Turn the large gear to get full access.



4. Since the fill plug is not removable, you will need to put a hole into the cartridge. We prefer a modified soldering iron with a piece of 1/2" copper pipe attached instead of a soldering iron tip.

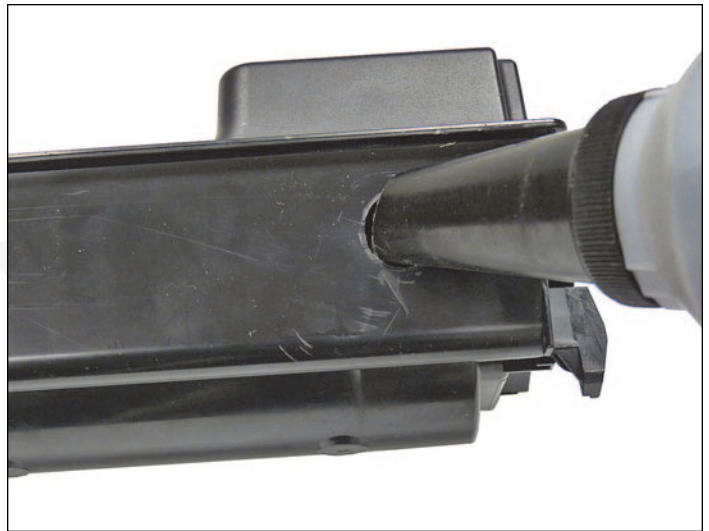


5. Melt the hole on the side of the cartridge by the fill hole.

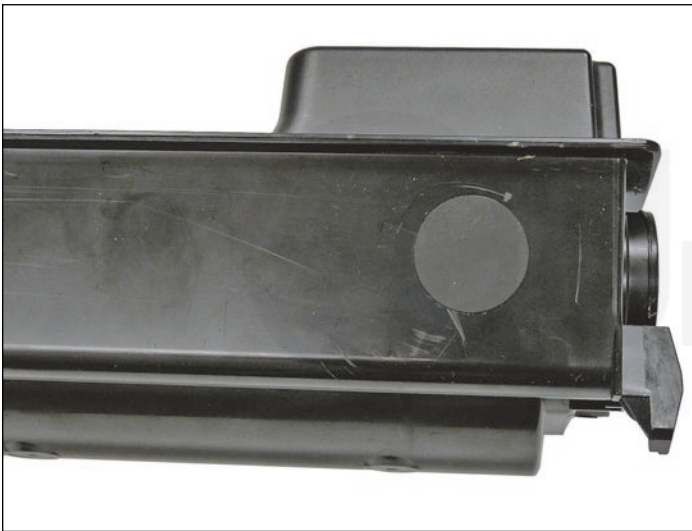
You can place it in elsewhere but this section has a nice flat smooth side and isn't readily visible to the customer.



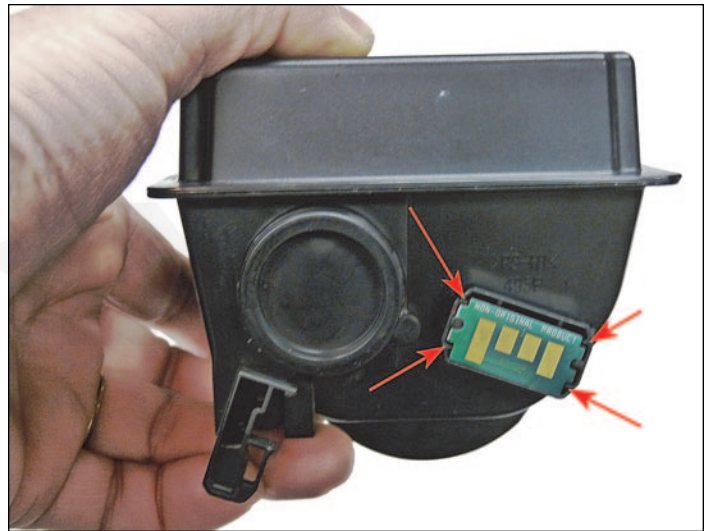
6. With a sharp razor blade, smooth out the ridges left by melting the hole.



7. Clean out all the old toner from the cartridge, close the port and fill with toner for use in the Kyocera FS-4100.



8. Place the adhesive seal over the hole.



9. Slice the small plastic tabs off the corners of the chip. Replace the chip and use hot glue or small amounts of silicon adhesive on the corners to hold the chip in place.

That's it, you're done! Nice and easy!