# Pro412 *style*
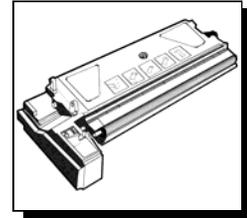
Workcentre: WC312, Pro412, M15, M15i, F12

Also: C20, M20, M20i

# TONER CARTRIDGE
# Refilling Instructions

## INTRODUCTION:

The Toner Cartridges for the WC312, Pro412, M15, M15i & F12 are sold under the reorder number 106R584. The newer models C20, M20, M20i use the reorder number 106R0104. We have yet to compare the new reorder number to the old to determine what differences there are, if any. The machine uses mono-component toner (no developer in there)… The new toner cartridges retail for right around the eighty dollar mark, so there is still plenty of room to make some money refilling these while saving your customer money.

The procedure for refilling these toner cartridges is pretty straight forward. There are a few things which you'll want a heads-up on such as stuff which will fall off and disappear on you if you're not watching for it.

The toner indicator should go away on it's own when the toner cartridge is full… the machine uses an eye looking through the center of the cartridge through a pair of little round windows on the top and bottom to determine when the toner is empty.

Related Status Codes: Dry Ink Cartridge light on (calls for a new or refilled cartridge)
Capacity: Holds ___g. of Toner
Yield: 6,000 copies assuming copies of regular text (5% coverage)
OEM "Reorder #'s": 106R584 (US; WC312, Pro412, M15, M15i), 106R0104 (US; C20, M20, M20i)

## SECTION I: TOOLS AND SUPPLIES

Tools you'll need:
- Philips-Head Screwdriver #2
- Funnel

Supplies you will need:
- Toner refill

Other supplies which may come in handy:
- Yellow Toner Clean-up Towels

## PROCEDURE:

**1.** First take note of how the toner waste sump feels a bit wobbly… that's normal and it'll help you know what to expect later when you reassemble things. **Remove the toner waste sump from the front of the cartridge (2 screws).** Be careful… the two coupling pieces which transfer drive from the cartridge to the waste sump gears are not captive (they'll fall right off). **Pull back the shutter on the waste sump and empty it on out.**

2.      **Next remove the plug from the toner fill hole.** If you choose to clean out the toner compartment (not entirely necessary unless you find a difference between the OEM and generic refill toner which is unlikely), this cartridge is safe to vacuum because there are no static sensitive toner sensors to worry about.  **Use a funnel to pour in the refill toner.**

3.      **Use a vacuum and some toner clean-up cloths to clean up the outside and the waste sump.**  If the cartridge is particularly dirty, you may choose to remove the rear plate (3 screws) to expose the electrical contacts and gear drives.  Be careful because the gears are not captive and will fall off easily.

   On the rear of the cartridge you'll also find a small block with 2 contact points on it.  This block houses what you might at first suspect to be a fuse… in fact it turns out to be an indexing resistor (most likely this is how the machines tell cartridges apart from one international market to another).

4.      Now you can **reassemble** things… take care when installing the 2 coupling pieces to make sure drive is not lost to the gears on the waste sump.  Don't over tighten the screws on the front waste sump… it's designed to have a little play in the waste sump, so it's normal for it to feel a bit wobbly as noted earlier.

5.      **The toner indicator should go away on it's own when the toner cartridge is full**… the machine uses an eye looking through the center of the cartridge through a pair of little round windows on the top and bottom to determine when the toner is empty.

THAT'S  IT!