



OPTRAMTECH

Technical Instructions	Printers	OEM Info	Tools	1
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Lexmark Optra M410
Print speed 12ppm
Resolution 1200 x 600 dpi

Lexmark Optra M412
Print speed 17ppm
Resolution 1200 x 600 dpi

OEM Part Number:
17G0152 Standard

OEM Yield:
5,000 pages

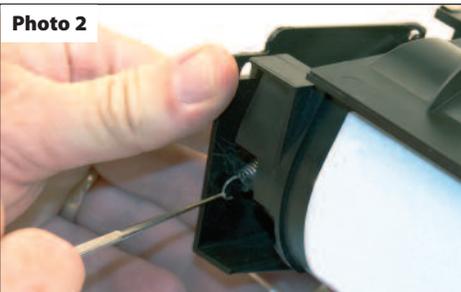
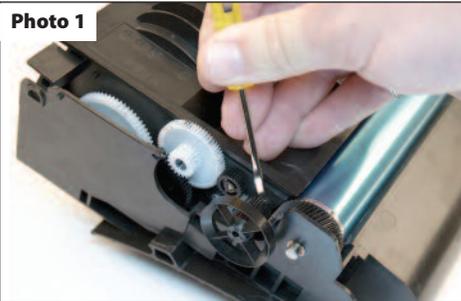
OEM Part Number:
17G0154

OEM Yield:
15,000 pages High Yield

Needlenose Pliers
Phillips #1 Screwdriver or Hex bit driver
Small Flat Blade Screwdriver
Soft Lint-free Cloth
Anhydrous Isopropyl Alcohol
Cotton Swabs
Vacuum

Supplies Required:

Toner
Wiper Blade
Drum



Step 1

Place the cartridge top down on the table with the drum facing up and the small drum gear toward you. Using a small bladed screwdriver, pry off the developer roller drive gear and set it aside. (See Photo 1)

Step 2

Rotate the cartridge to the right so the toner hopper is facing you. Using a sprink-hook or needlenose pliers, gently remove the toner hopper tension springs from the post at each side. (See Photo 2)

Step 3

Flip the cartridge so that the drum is facing down and the cartridge handle is facing you. Place your hand between the cartridge handle that is part of the shell and the toner hopper. Grasp the toner hopper and with your free hand release the tabs, gently pull the toner hopper back. Once separated place the toner hopper aside. (See Photo 3)

Step 4

Place the waste hopper with the drum facing up. Using a small flat bladed screwdriver or needlenose pliers, remove the retaining clip on the right side of the drum shaft. (See Photo 4)

Step 5

Holding the large helical gear end of the drum, pull the drum shaft out.

(See Photo 5)

Remove the drum and set it aside, being sure not to lose the spring attached to the non gear side.

(See Photo 6)

Photo 5



Photo 6



Step 6

Remove the two Hex bit screws on either side of the wiper blade. You may at times find #1 Philips screws used in place of the Hex bit screws.

(See Photo 7)

Photo 7



Photo 8



Photo 9

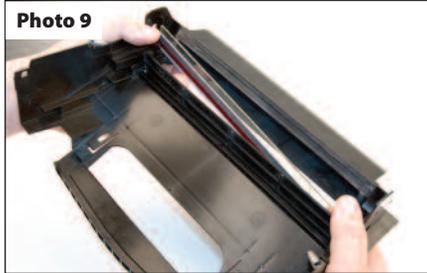


Photo 10

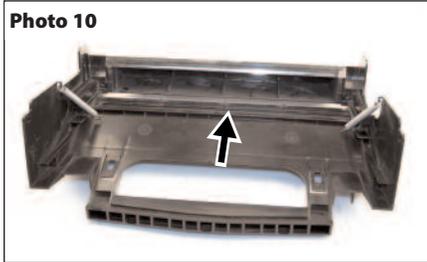


Photo 11



Photo 12



Photo 13



Step 7

Slice the clear sealing tape on the topside of the waste hopper covering the top of the wiper blade.

(See Photo 8)

The PCR access door opens inward and sets on the horizontal lip of the wiper blade. Open the PCR door to remove the wiper blade and be careful not to damage the recovery blade.

(See Photo 9)

Step 8

Empty out the toner from the waste hopper and inspect the recovery blade for nicks, tears or wrinkles and replace as necessary.

(See Photo 10)

Step 9

Hold the waste hopper cavity firmly in your right hand and the wiper blade in your left. Open the PCR door with your left thumb and install the wiper blade on the waste hopper and secure with the screws you removed.

(See Photo 11)

Step 10

Apply a small amount of padding powder to the wiper blade, drum and recovery blade. Install the drum, washer (if one was taken off), drum axle and the retaining clip and set the waste hopper aside for now. Note: if the OEM drum comes with a one way spring, it may need to be transferred to the new drum. This spring is to prevent the drum from turning backwards.

(See Photo 12)

Step 11

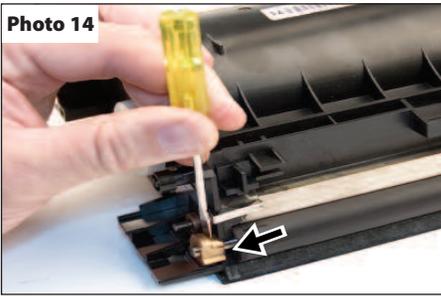
Place the toner hopper on the table (label up) with the developer roller facing you. Using your fingertips of both hands, gently pull off the Dr Blade spring and set it aside.

(See Photo 13)

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Photo 14

**Step 12**

Using a small flat bladed screwdriver pry against the base of the contact plate and remove the contact and left end piece from the developer roller. (See Photo 14)

Photo 15

**Step 13**

Grasp the left end shaft of the developer roller and lift it out and to the left, trying not to damage the Teflon washers or Mylar blades. (See Photo 15)

Step 14

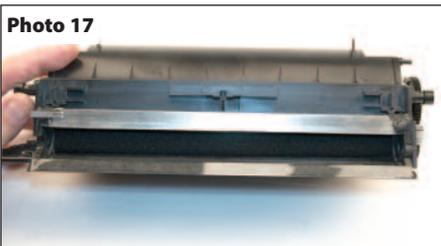
Remove the Teflon washers from the developer roller and inspect them thoroughly for damage and wear. Replace the Teflon washers as a set.

Photo 16

**Step 15**

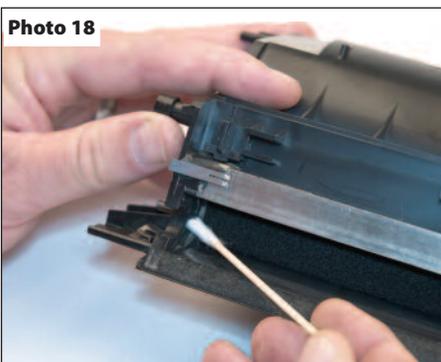
Turn the toner hopper to the right so the fill plug is facing you. Using a small flat bladed screwdriver, pry out the toner fill plug carefully and try not to damage it. Clean the filter inside the fill plug with either vacuum or compressed air. (See Photo 16)

Photo 17

**Step 16**

Empty out all the toner from the toner hopper and clean the hopper with vacuum or compressed air. Be very careful not to damage the foam roller or Mylar blades. (See Photo 17)

Photo 18

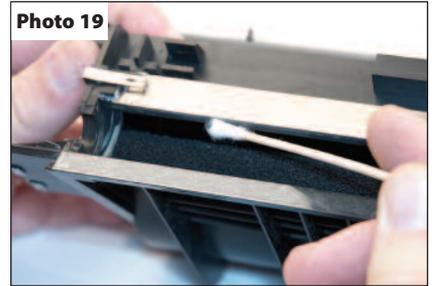
**Step 17**

Using a cotton swab and Isopropyl alcohol, clean the developer roller end seals at each end of the foam roller. (See Photo 21)

Step 18

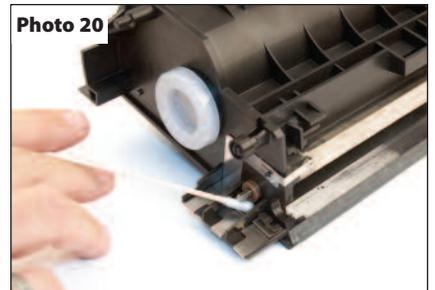
Clean the underside of the Dr bar with a cotton swab and isopropyl alcohol. (See Photo 19)

Photo 19

**Step 19**

Clean the developer roller with a dry soft lint free cloth or compressed air only. Clean the developer roller shaft with a cotton swab and alcohol. (See Photo 20)

Photo 20

**Step 20**

Install the Teflon washers on each end of the developer roller and slide the flat (keyed) end of the roller into position on the right side of the toner hopper. Lower the left end into position being careful not to damage the Teflon washer on that side. (See Photo 21)

Photo 21



