



4059TECH

Technical Instructions	Printers	Tools	1
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Lexmark Optra S1250,
S1255, S1260, S1625,
S1650, S1855, S2420,
S2450, S2455

Needlenose Pliers
Phillips #1 Screwdriver
Small Flat Blade Screwdriver

Supplies Required:
Soft Lint-Free Cloth
Anhydrous Isopropyl Alcohol
Cotton Swabs
Vacuum



Photo 1

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)

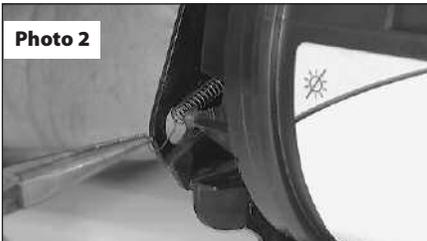


Photo 2

Step 2

Rotate the cartridge to the right so the toner hopper is facing you. Using a springhook or needlenose pliers, gently remove the toner hopper tension springs from the posts at each side.

(See Photo 2)

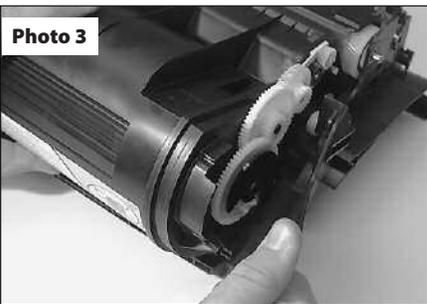


Photo 3

Step 3

Grasp the toner hopper with the left hand and the waste hopper side plate with the right. Gently bend the side plate outward, while sliding the toner hopper to the left, to expose the right guide post.

When the post is free of the hole in the side plate, rotate the toner hopper up and out of the waste hopper and set aside for now. *(See Photo 4)*



Photo 4

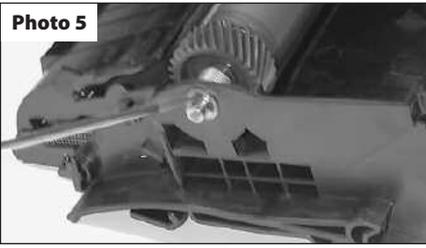
Step 4

The drum cover may be taped back to facilitate handling. Using a small flat bladed screwdriver or needlenose pliers, remove the retaining clip on the left side of the drum shaft.

(See Photo 5)

Other Technical Instruction Guides available for this engine:
Lexmark Optra SE/T Chip Installation Instructions 4059TECHCHIP

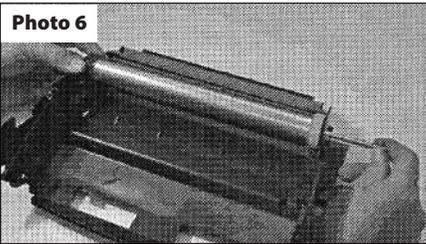
Photo 5

**Step 5**

Holding the large gear end of the drum with your left hand, pull the drum shaft out with your right.

(See Photo 6)

Photo 6



Remove the drum and set it aside, being sure not to lose the washer on the small gear end.

Step 6

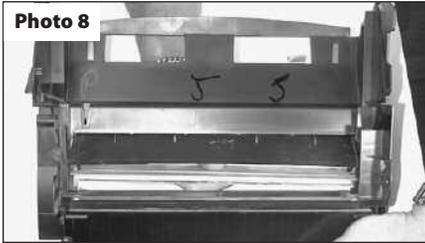
Remove the two screws holding the wiper blade using a #1 phillips screwdriver. (See Photo 7)

Photo 7

**Step 7**

Slice the clear sealing tape on the topside of the waste hopper covering the top of the wiper blade (instead some cartridges use a foam seal behind the wiper blade, if so, delete this step). The PCR access door opens inward and sets on the horizontal lip of the wiper blade.

Photo 8

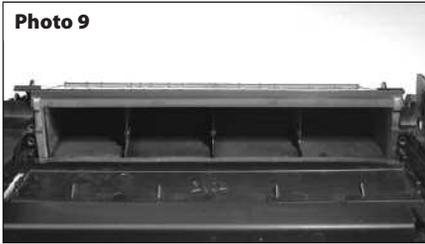


Open the PCR door remove the wiper blade and be careful not to break the two small plastic alignment pins positioning the wiper blade. (See Photo 8)

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 9)

Photo 9

**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 phillips screws.

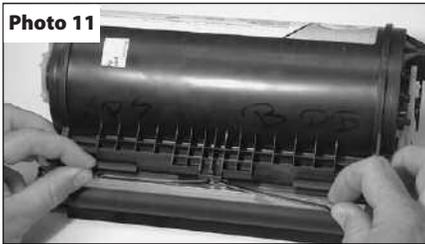
(See Photo 10)

Photo 10

**Step 10**

Apply a small amount of padding powder to the wiper blade, drum and recovery blade. Install the drum, washer, drum axle and 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.

Photo 11

**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 springs and set it aside. (See Photo 11)

Photo 12

**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 12)

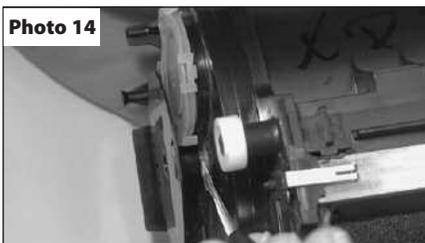
Photo 13

**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 13)

Photo 14

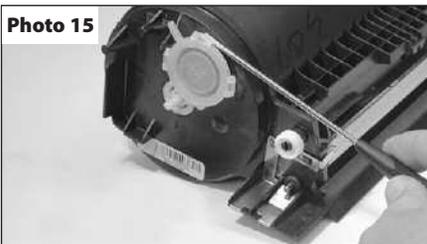
**Step 14**

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

Step 15

Turn the toner hopper to the right so the fill plug is facing you. Using small flat bladed screwdriver pry the slotted encoder wheel off and set it aside (See Photo 14)

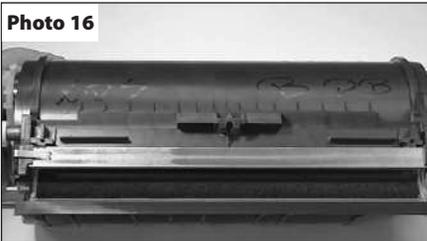
Photo 15

**Step 16**

Using the same 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 15)

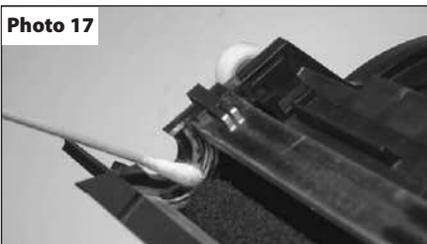
Photo 16

**Step 17**

Empty out all 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 16)

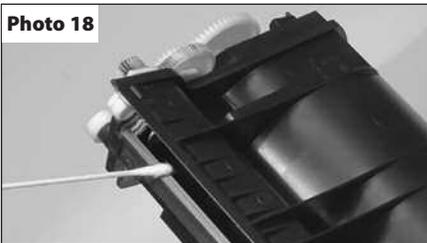
Photo 17

**Step 18**

Using a cotton swab and isopropyl alcohol, clean the developer roller end seals at each end of the foam roller.

(See Photo 17)

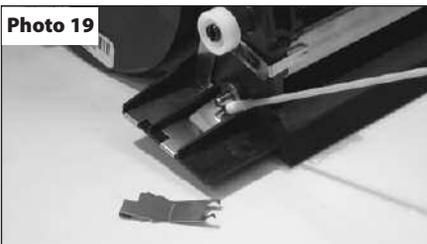
Photo 18

**Step 19**

Clean the underside of the DR bar with a cotton swab and isopropyl alcohol.

(See Photo 18)

Photo 19

**Step 20**

Clean under the ground contacts for the foam roller shaft and the DR bar with a cotton swab and alcohol.

(See Photo 19)

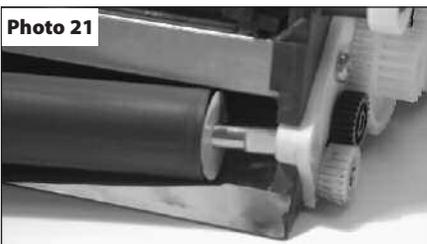
Photo 20

**Step 21**

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)

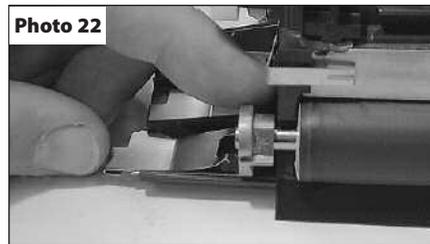
Photo 21

**Step 22**

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.

(See Photo 21)

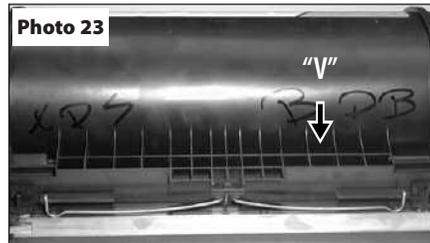
Photo 22

**Step 23**

Install the brass end piece and contact plate into position on the left end of the developer roller shaft. (See Photo 22)

On the Optra T and SE3455 rotate the brass end piece (oblong) downward until the lobe rests between the legs of the contact plate.

Photo 23

**Step 24**

Reinstall the DR bar leaf spring with the point of the "V" stamped on the spring pointed toward you.

(See Photo 23)

Photo 24

**Step 25**

Pour the correct amount of toner into the toner hopper and reinstall the fillplug. (See Photo 24)

Need help with a particular remanufacturing problem?

Call the Technical Resource Center from
8am - 5pm PST: 800 394.9900

