



ML1710TECH

|                        |          |          |       |   |
|------------------------|----------|----------|-------|---|
| Technical Instructions | Printers | OEM Info | Tools | 1 |
|------------------------|----------|----------|-------|---|

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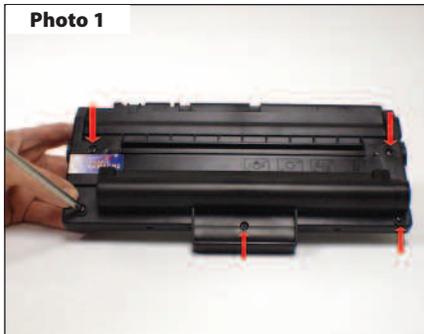
S.A. +27 11 974.6155  
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Part Number: ML1710D3  
Gram Load: 65 grams  
Yield @ 5%: 3000 pages  
Resolution: 1200 dpi

Small Flat Blade Screwdriver  
Philips Screwdriver  
Needle Nose Pliers

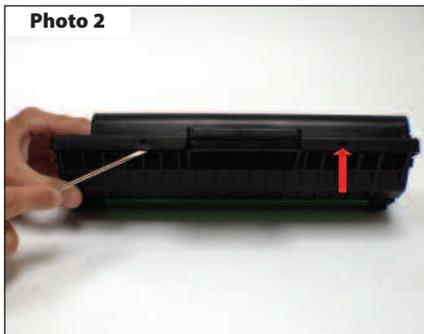
**Compatible Machine:**

| Machine Model     | Engine          | Cartridge # |                         |
|-------------------|-----------------|-------------|-------------------------|
| Samsung ML-1510   | Samsung ML-1710 | ML1710D3    |                         |
| Samsung ML-1710   | Samsung ML-1710 | ML1710D3    |                         |
| Samsung ML-1750   | Samsung ML-1710 | ML1710D3    |                         |
| Samsung SCX-4016  | Samsung ML-1710 | SCX-4016D3  | (Flatbed multifunction) |
| Samsung SCX-4216F | Samsung ML-1710 | SCX-4016D3  | (Flatbed multifunction) |



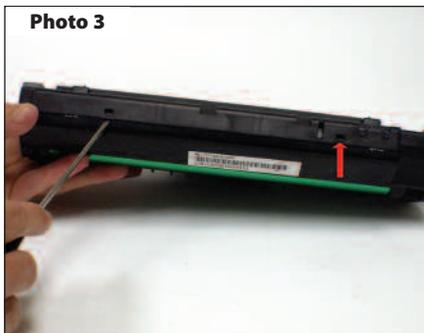
**Step 1**

Locate and remove the 5 screws on the top of the cartridge.  
(See Photo 1)



**Step 2**

Four cartridge clips hold the cartridge together. Using a small flat blade screwdriver release 2 clips located on each side of the cartridge handle.  
(See Photo 2)



**Step 3**

Rotate the cartridge 180°. Locate the 2 cartridge clips on the front of the cartridge. Using a small flat blade screwdriver release the 2 clips.  
(See Photo 3)

## Notes

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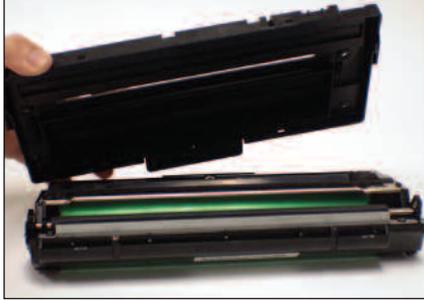


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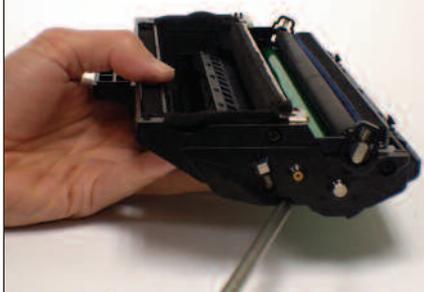
Photo 4



### Step 4

Lift the top cover off the cartridge.  
 (See Photo 4)

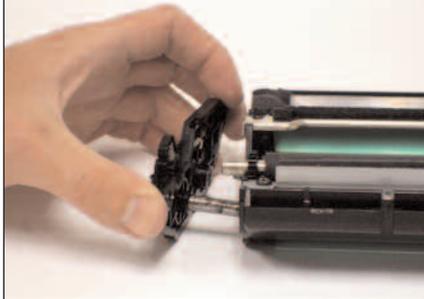
Photo 5



### Step 5

Locate and remove the 3 screws from the contact end cap.  
 (See Photo 5)

Photo 6



### Step 6

Remove the end cap.  
 (See Photo 6)

Photo 7

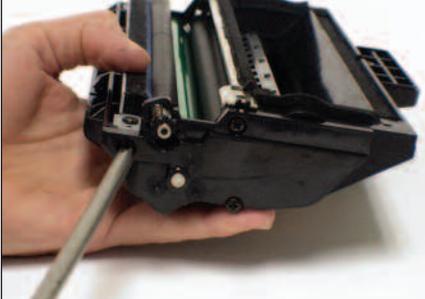
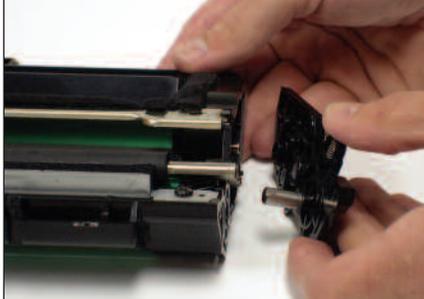


Photo 8



### Step 7

Remove the 3 screws holding the gear housing end cap on the side of the cartridge. (See Photo 7)

Remove the end cap. (See Photo 8)

Photo 9



### Step 8

Remove the PCR from the cartridge.  
 (See Photo 9) Clean the PCR using a mild soap and water.







## Notes

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Photo 25



### Step 25

Pop out the fill plug from the cartridge top. (See Photo 25)

Photo 26



### Step 26

Clip on the top cover and install the 5 screws that hold the cover down.

(See Photo 26)

### Step 27

Fill the cartridge with 70 grams of ML-1710 toner.

### Step 28

Install the fill plug.

## ML-1710

In May 2003, Samsung released a new line of low cost printers with the introduction of the ML1510 (overseas version), ML1710, and the ML1750. Based on a print engine similar to the Lexmark E210, Samsung made a change in the cartridge design and improved the print performance. At starting price of under \$200 the new Samsung engine is capable of delivering up to 17 pages per minute at 1200x600 dpi on the ML1750 and only 600x600 dpi on the ML1710. The other difference in the two machines is in the processor. The ML1710 processor has a speed of 66Mhz and the ML1750 processor has a speed of 166Mhz.

Samsung also released two multifunction machines based on the ML1710 print engine. The Samsung SCX-4016


**ML1710**

and the SCX-4216F, both machines are copiers, printers, scanners, but only the Samsung SCX-4216F is capable of faxing.

Each machine ships with a starter cartridge that prints 1,000 pages based on 5% coverage. New printer cartridges part number ML1750D3, retail for around \$75 dollars and print 3,000 pages based on



5% coverage. The multifunction cartridge part number is SCX-4016DS and uses the same cartridge as the ML1710 the only difference being the fuse located in the front of the cartridge. This fuse will have to be replaced every time the cartridge is remanufactured to reset the counter.