

OPTRA® M Remanufacturing Instructions



Oasis Imaging Products Inc. Technical Support (888) 627- 6555

Reference Information:

Optra M 410/412 (5,000 Yield) – 17G0152

Optra M 412 (15,000 Yield) – 17G0154

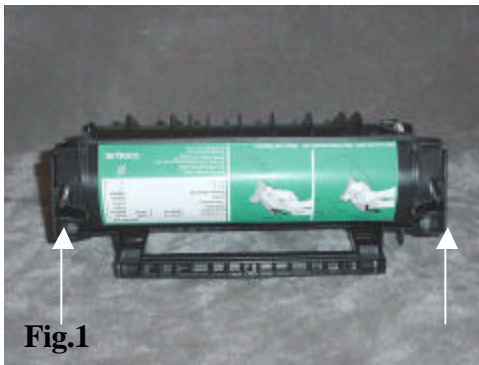
Optra M 410 (10,000 Yield) – 4K00199

Recommended Tools:

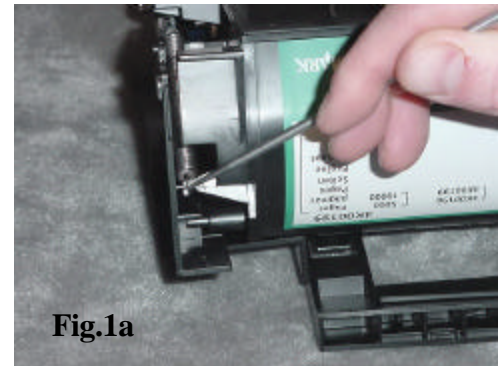
Spring Removal Hook

Phillips Screwdriver

Needle Nose Pliers



1. Place the cartridge on its top with the drum away from you; locate the two springs that secure the toner hopper to the cartridge shell (Fig.1). Using a spring removal tool unhook the springs from the left and right sides of the toner hopper (Fig.1a).



2. Remove the developer roller drive gear (Fig. 2).

3. Lift the tabs on the top of the cartridge and pry the sides of the cartridge shell outward to free the retaining pins on the left and right sides of the toner hopper (Fig. 3) Lift the toner hopper back and up to remove.



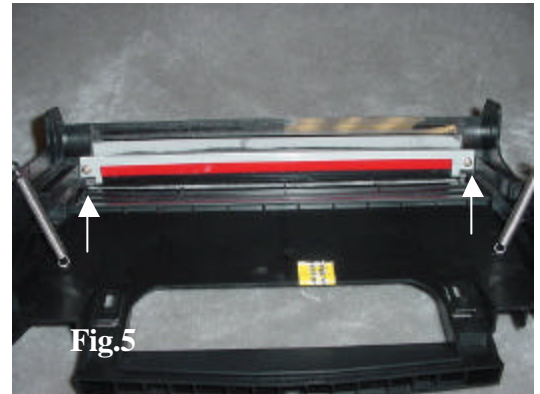
4. With the OPC facing up, remove the e-ring from the shaft at the geared end of the OPC (Fig.4). Now gently pull the drum shaft out from the non-geared end of the OPC until it is free of the cartridge (Fig.4a). The OEM OPC has a spring clutch designed to prevent the OPC from rotating backwards, when using after market drums remove the spring from the OEM and place on the after market OPC. Protect the OPC from light, as it is photconductive and can be damaged by overexposure to light.



Note: During reassembly insert the drum shaft through the OPC gear end first. This will prevent any damage to the drum contact.



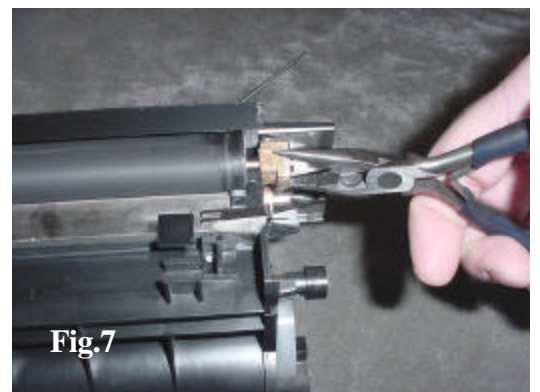
5. Locate and remove the two screws on the wiper blade (Fig. 5). Invert the cartridge (right side up) to locate and remove the Mylar strip across the top of the wiper blade. The Mylar strip prevents leakage over the top of the wiper blade. Clean, inspect and lubricate the blade. Replace if necessary. Vacuum excess toner from the waste hopper carefully to avoid damaging the recovery blade. If removal of the recovery blade is required, lift one corner and slowly remove it from the surface of the waste hopper. Remove all residual adhesive from the surface area. To install a new recovery blade, peel the backing and apply it to the area ensuring there are no creases. Clean waste bin of all residual toner and assemble in reverse order.



6. Remove the doctor bar tension spring by pulling the two out swept arms away from the cartridge (Fig.6).

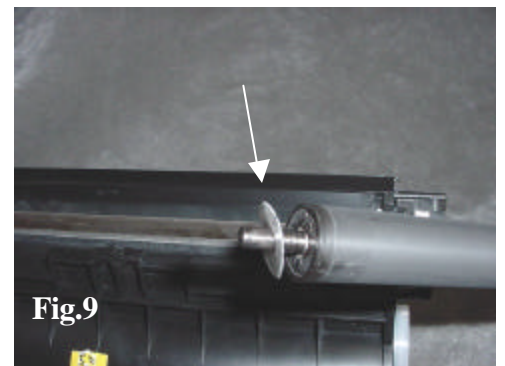


7. Using a pair of needle nose pliers, remove the developer roller retaining bushing by gently pulling it off the end of the developer roller (Fig.7).



8. Remove the developer roller from the cartridge by lifting the right side slightly and pulling the roller to the right while gently rotating the roller back and forth until it is free (Fig.8).

9. Retain the flat, white Mylar spacers from each end of the roller for use during reassembly (Fig.9). Clean and inspect the developer roller.



10. In the development area, there are two black Mylar strips behind and below the developer roller (Fig.10). Inspect these strips carefully. There is also a coarse foam toner roller in the development area. Gently blow off the roller with compressed air to remove all residual toner.

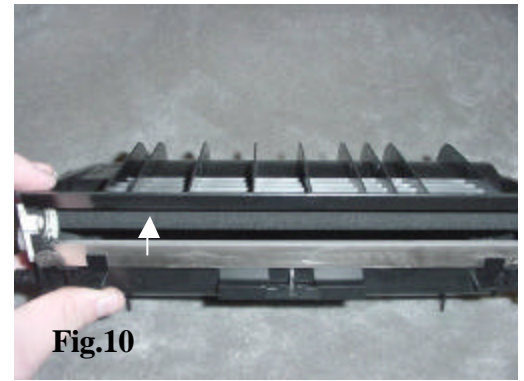


Fig.10

11. In the development area, there are two black Mylar strips behind and below the developer roller. Inspect these strips carefully. If damaged, peel them off the cartridge and remove all residual toner. When replacing affix the inner Mylar first then the outer. Also in the development area there are two white rubber saddles that the developer roller rotates on, one on each end of the hopper opening. If these channels are damaged or worn, toner leakage from the end of the developer roller may occur (Fig.11).

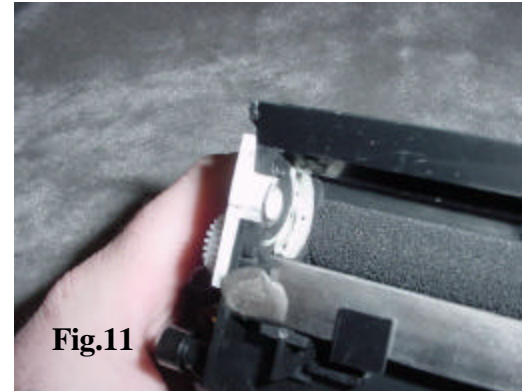


Fig.11

12. Remove the hopper cap to clean the inside of the toner hopper. Use caution when vacuuming to avoid the agitator inside the toner hopper (Fig.12). Fill toner hopper with the correct gram load of toner and reassemble the hopper in reverse order.



Fig.12

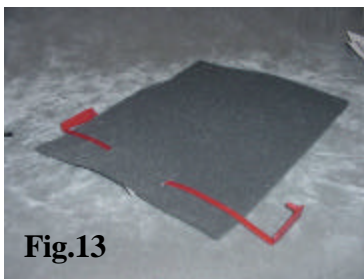


Fig.13



Fig.13a

13. The Optra M cartridge has no shutter door to protect the OPC during shipping. The OEM cartridge comes with a protective foam (Fig.13) that covers the OPC and is secured by the shipping lock (Fig.13a). If the OEM foam is not available to use, it is suggested that you use some type of pad foam to prevent damage to the OPC when shipping. Also be sure to use the shipping lock. The shipping lock secures the hopper to the cartridge shell preventing movement which can also cause damage to the OPC during shipping (Fig.13b).

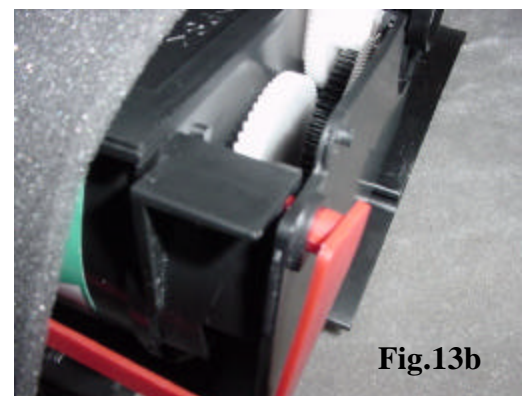


Fig.13b



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