

# Remanufacturing Instructions

## Samsung ML-2851ND

For Technical Support, please call (800) 322 8992 xt. 110



### OEM Reference Information:

Part #	Yield @ 5%
ML-D2850A	2000
ML-D2850B	5000

1. Remove three screws from the contact side end cap (Fig.1).

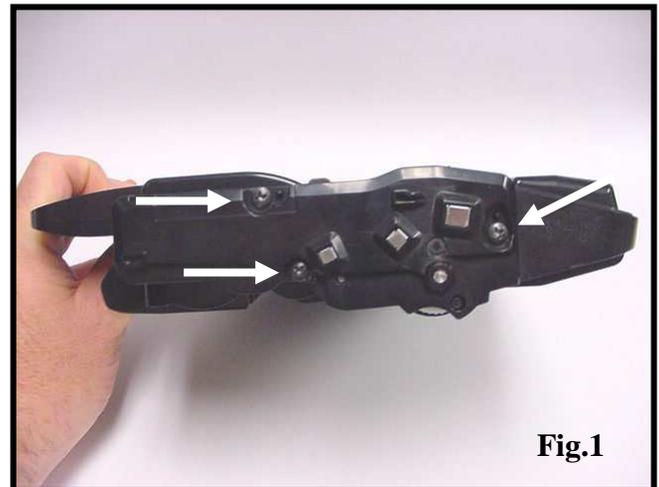


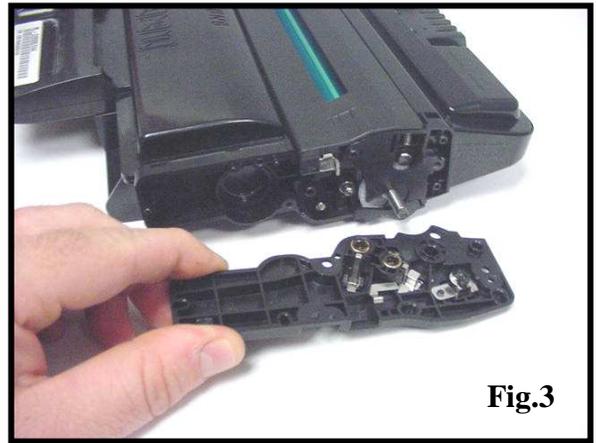
Fig.1

2. Use a small flat head screwdriver to release the locking tab from the end cap (Fig. 2).



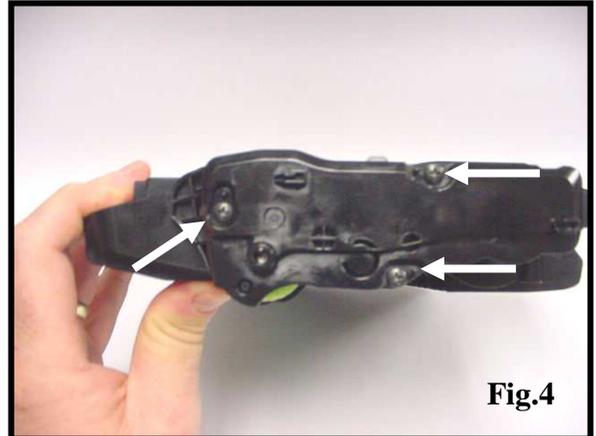
Fig.2

3. Remove the end cap from the cartridge body (Fig. 3).



**Fig.3**

4. On the opposite side of the cart remove three screws that secure the end cap (Fig. 4).



**Fig.4**

5. Use a small flat head screwdriver to release the locking tab from the end cap (Fig. 5).



**Fig.5**

6. Remove the end cap from the cartridge body (Fig. 6).



**Fig.6**

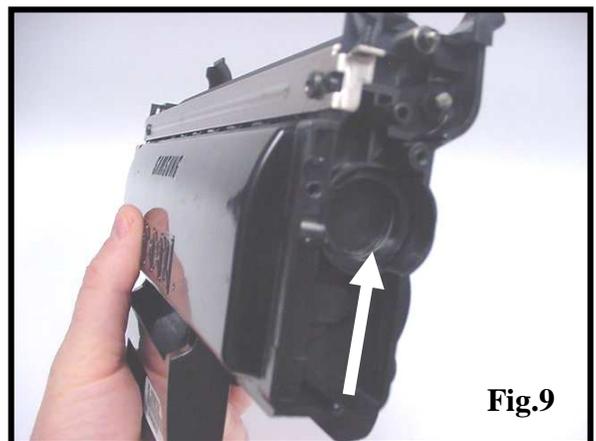
7. Remove the cartridge cover (Fig.7).



8. Bend up slightly on the waste bin to separate it from the toner hopper (Fig. 8).



9. Remove the fill plug from the toner hopper and remove all residual toner using compressed air or a vacuum (Fig.9).

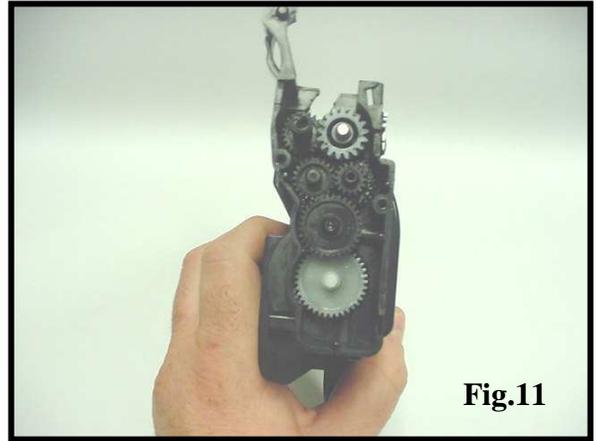


10. Remove the developer roller from the toner hopper (Fig. 10).



11. Figure 11 shows the orientation of the gears on the toner hopper. It can be used if one falls off during cleaning.

**NOTE:** The drive gears do not need to be removed from the hopper.



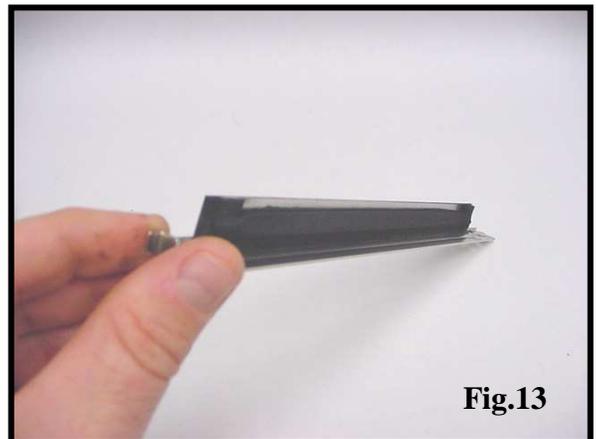
**Fig.11**

12. Remove two screws from the doctor blade (Fig.12).



**Fig.12**

13. Used compressed air to remove all toner from the leading edge of the doctor blade (Fig.13).



**Fig.13**

14. Clean all remaining toner thoroughly from the hopper and toner adder roller (Fig. 14). Ensure the end felts are not damaged, damaged end felts will cause leaking from the ends of the developer roller.

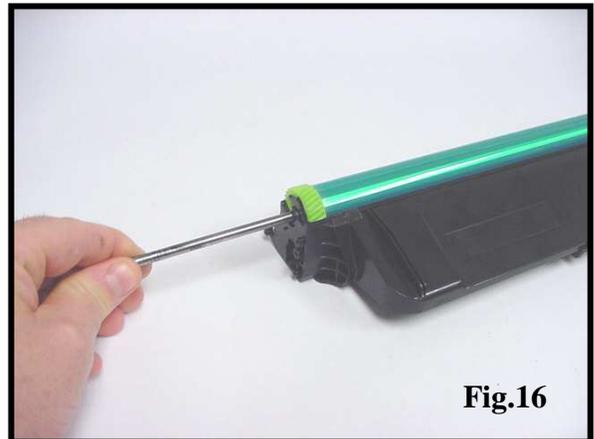


**Fig.14**

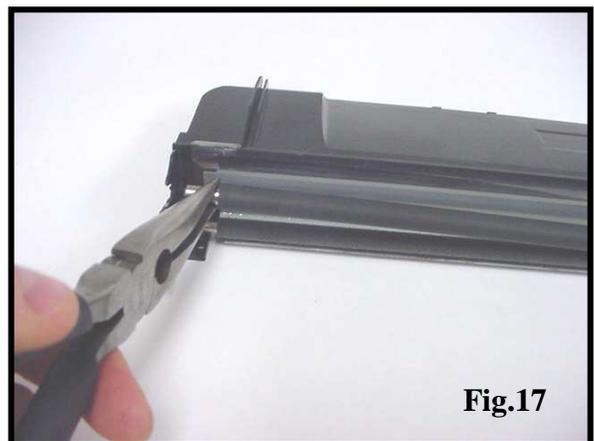
15. Clean the developer roller and doctor bar using compressed air. Reassemble the toner hopper in reverse order; fill the toner hopper with the proper gram load of toner (Fig. 15)



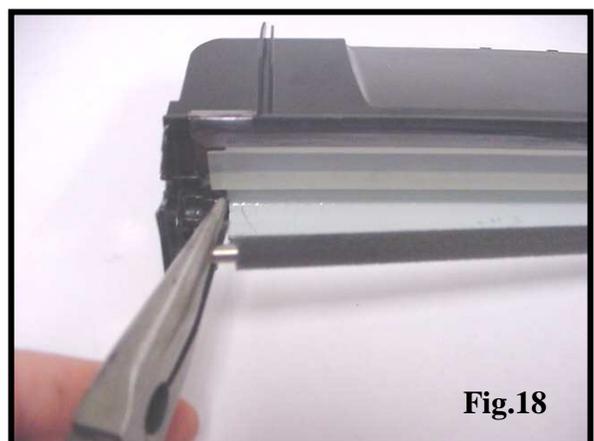
16. Remove the drum axle from the large gear side of the drum (Fig.16). This will prevent damaging the contact in the drum



17. Remove the PCR from the waste bin (Fig. 17).



18. Remove the PCR foam cleaning roller from the waste bin (Fig. 18).

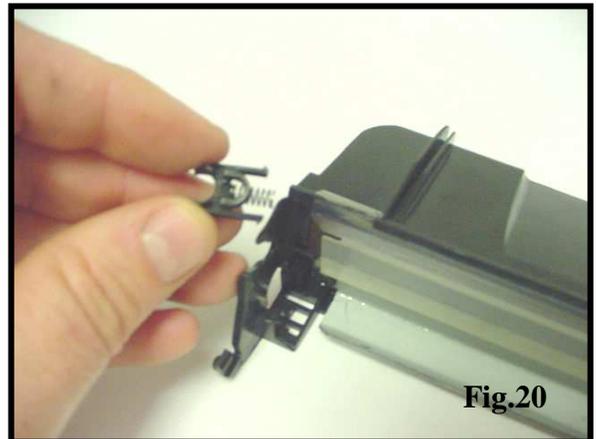


19. Flip the waste bin over. Release the locking tabs on the PCR and foam roller saddles (Fig. 19).



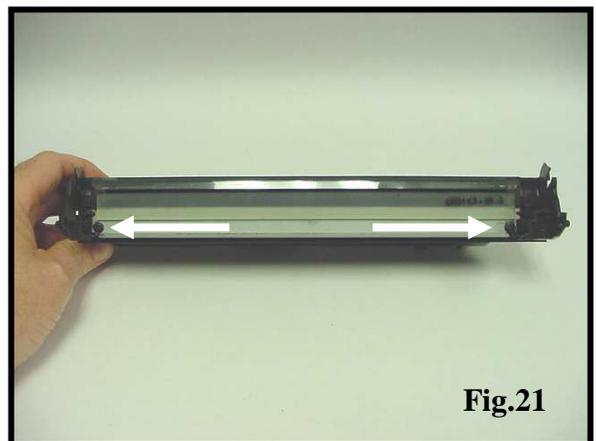
**Fig.19**

20. Remove the roller saddles from the waste bin (Fig. 20).



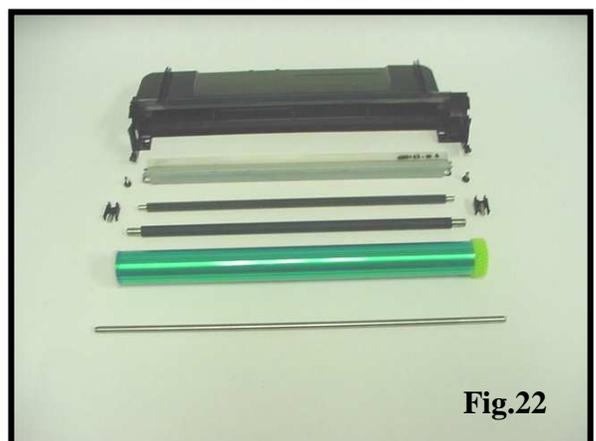
**Fig.20**

21. Remove two screws from the wiper blade and remove the blade (Fig. 21).



**Fig.21**

22. Remove all toner from the waste bin using compressed air or vacuum. Clean or replace all components and reassemble the waste bin in reverse order (Fig. 22).

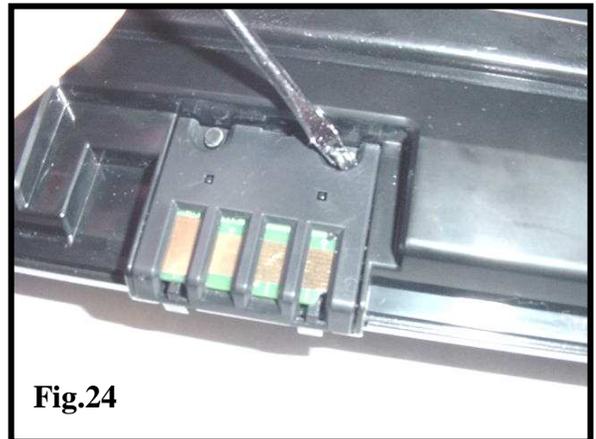


**Fig.22**

23. The chip needs to be replaced every time the cartridge is remanufactured. The chip cover is held in place with two ultrasonic welds. (Fig. 23).



24. Use a small flat head screw driver to remove the two welds (Fig. 24)



25. Lift up on the top of the cover to remove (Fig. 25).



26. Replace the chip (Fig. 26).

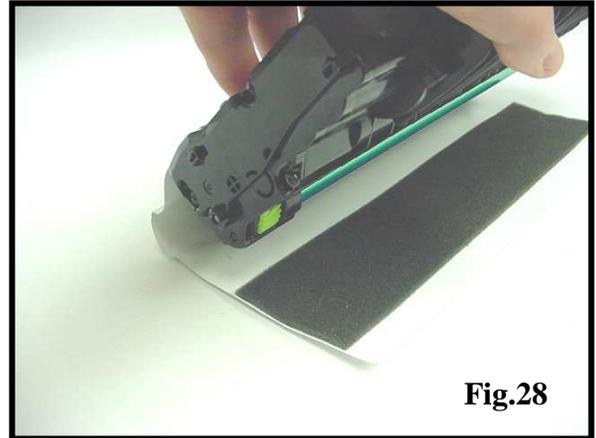


27. After the chip is replaced secure the cover with caulking or glue (Fig. 27).



**Fig.27**

28. The cartridge has no drum door to protect the drum. It's recommended that you use either the OEM shipping material or some type of wrap around foam to protect the drum from damage during shipping (Fig. 28).



**Fig.28**

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