

Remanufacturing Instructions

Samsung ML3470



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



OEM Reference Information:

| Part # | Yield @ 5% |
|----------|------------|
| MLD3470A | 4000 |
| MLD3470B | 10000 |

1. Place the unit on a work bench with the OPC drum facing up. Using a small flathead screwdriver, pry off the axle bearing bushing drum lock. Repeat process on opposite side (Fig. 1).



Fig. 1

2. Using a Phillips screwdriver, remove the three screws on the contact side end cap (Fig. 2).

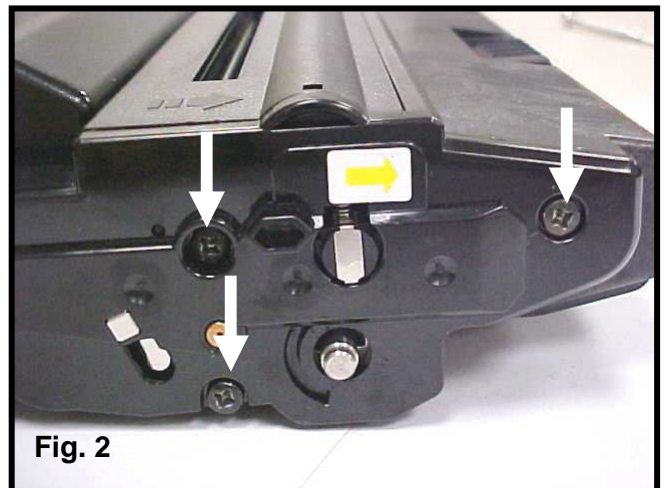
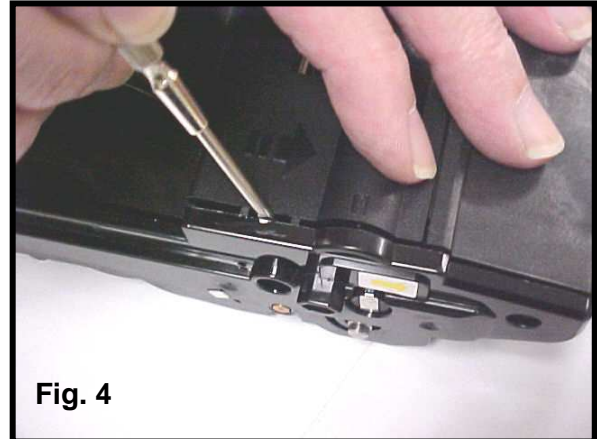


Fig. 2

3. Using a small flathead screwdriver, depress the locking tab to release the contact side end cap (Fig. 3).



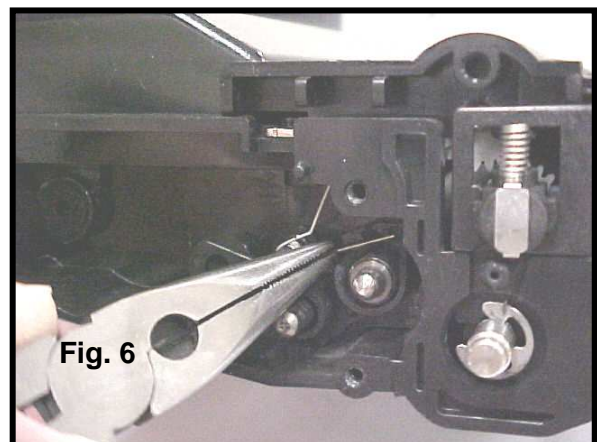
4. Pry off the contact side end cap using a flathead screwdriver (Fig 4).



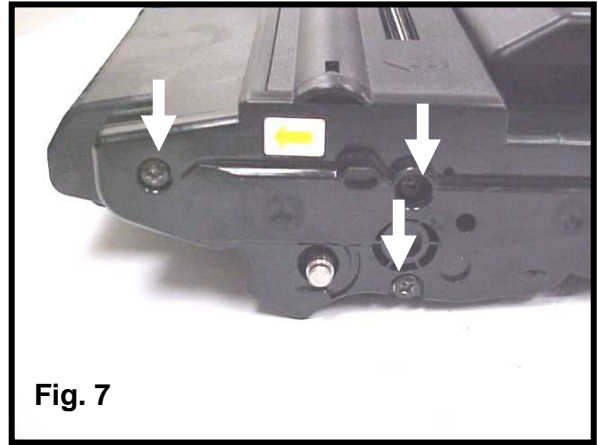
5. Contact end cap configuration (Fig. 5).



6. Remove the doctor blade contact spring using needle nose pliers (Fig. 6). **Note spring configuration for reassembly.**



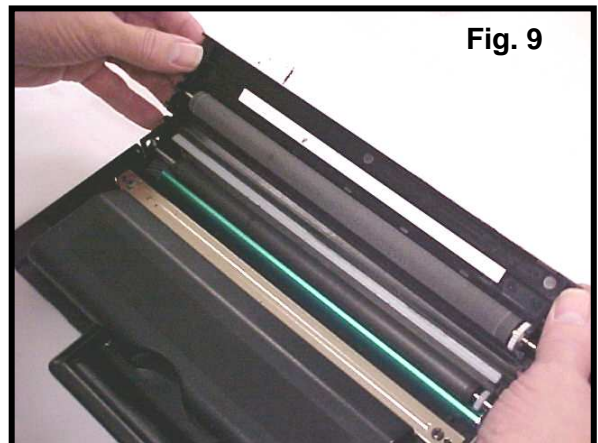
7. Using a Phillips screwdriver, remove the three screws on the gear side end cap (Fig. 7).



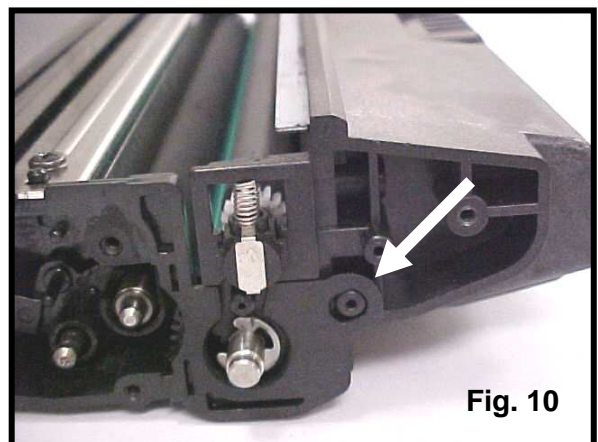
8. Using a small flathead screwdriver, depress the locking tab on the gear side end cap (Fig. 8). Pry off the end cap as in step 4.



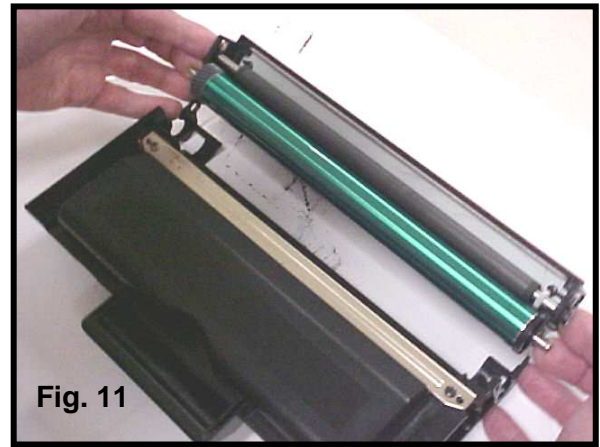
9. Remove the PCR cleaning roller housing and clean the roller with compressed air (Fig. 9).



10. Spread tabs apart on both sides of the cartridge while lifting on the OPC drum axle to separate the toner hopper from the waste hopper (Fig. 10).

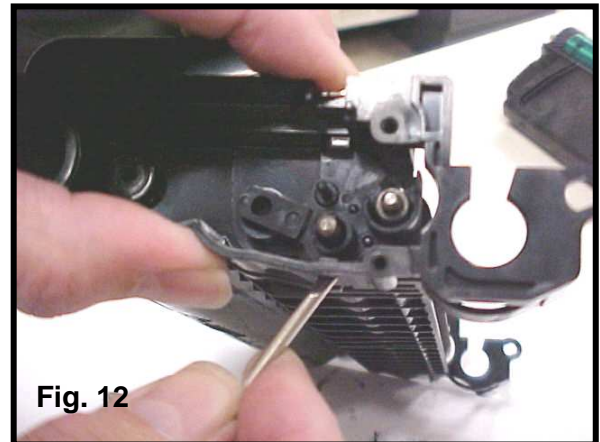


11. Toner and waste hopper separated (Fig. 11).



Toner Hopper Disassembly

12. Use a small flathead screwdriver to unsnap the release lock on the developer roller end cap (Fig. 12).



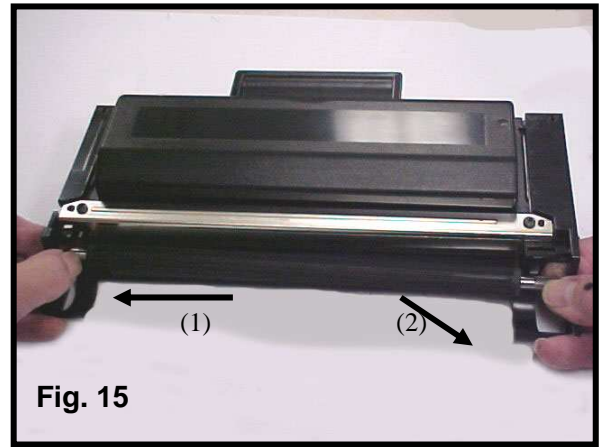
13. Use needle nose pliers to remove the developer roller end cap (Fig. 13).



14. Slide the developer roller drive gear off the developer roller shaft and out of the housing end (Fig. 14).



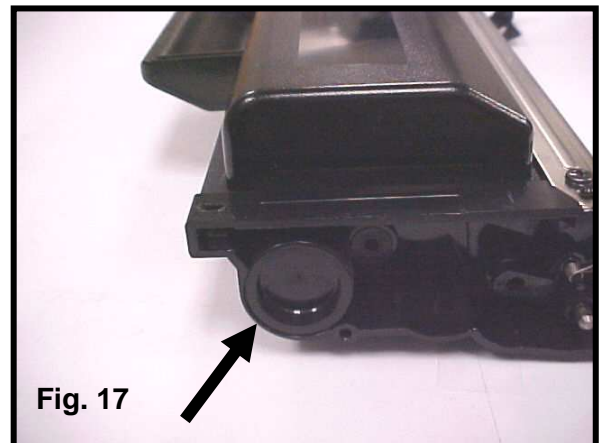
15. Slide the developer roller to the left (1), then right and out of the hopper section (2). Clean the developer roller with compressed air. Clean with a cloth and Isopropyl Alcohol if necessary (Fig 15).



16. Remove the two screws that hold the doctor blade with a Phillips screwdriver (Fig. 16). Clean the doctor blade with compressed air. Clean with a cloth and Isopropyl Alcohol if necessary.



17. Gently remove the fill plug with a small flat screwdriver and blow out and vacuum the inside of the toner hopper (Fig. 17).



18. Clean or replace components as needed. Fill hopper with appropriate toner and reassemble the toner hopper in reverse order (Fig. 18).



Waste Hopper Disassembly

19. Use a small flathead screwdriver to pry off the E clip from the OPC drum axle (Fig. 19).

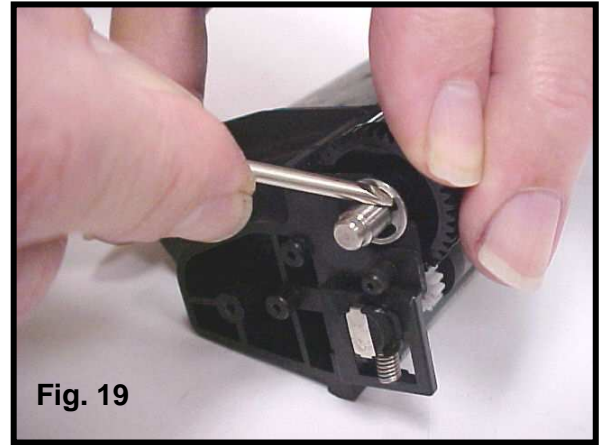


Fig. 19

20. Pull the drum axle out towards the direction of the OPC drum drive gear (grey colored gear) (Fig. 20).

Note: During reassembly, reinsert the drum axle into the contact side (thin black gear side) to alleviate damaging the contact inside the drum.

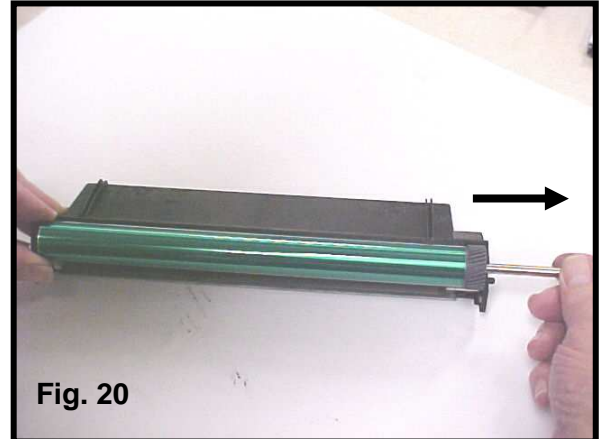


Fig. 20

21. Hold the PCR by the white gear, push towards the opposite side until it pops out of the contact saddle, then pull out of the opposite side saddle. Remove the PCR and clean with a lint-free cloth and water (Fig. 21).

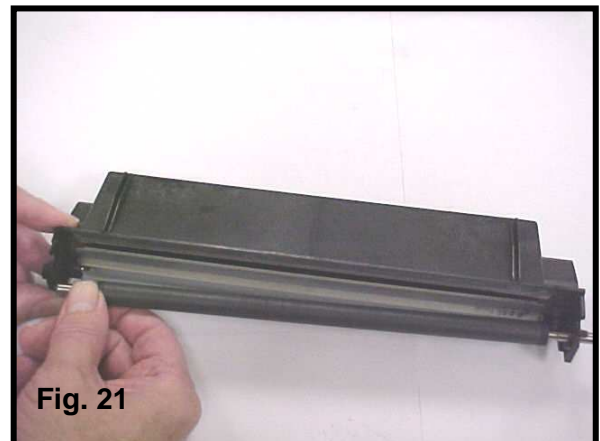


Fig. 21

22. Remove the two screws that hold the wiper blade with a Phillips screwdriver. Clean the wiper blade with compressed air (Fig. 22).

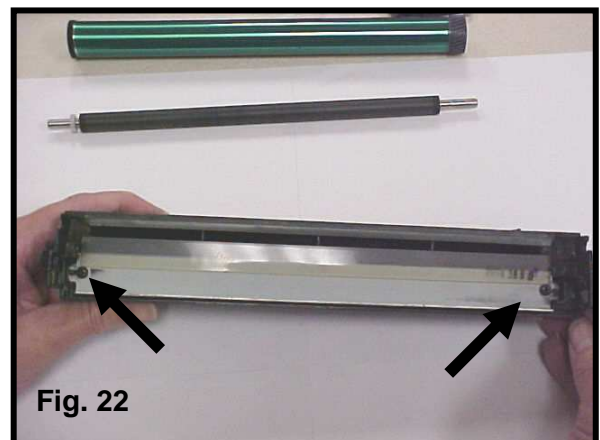
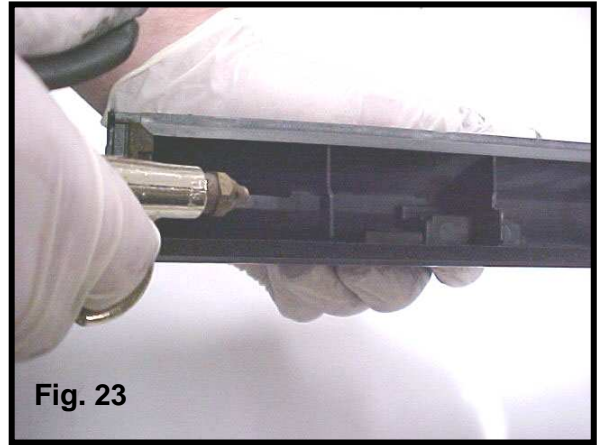
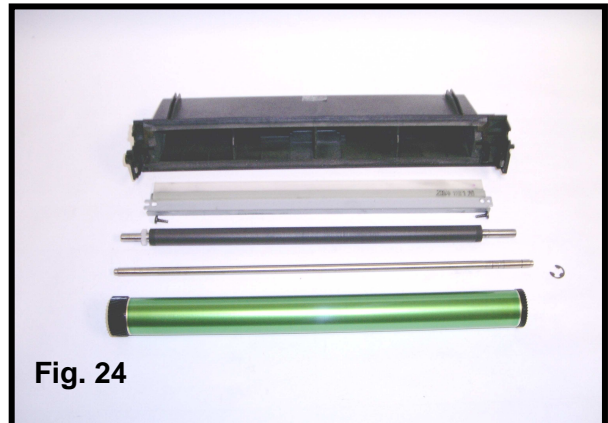


Fig. 22

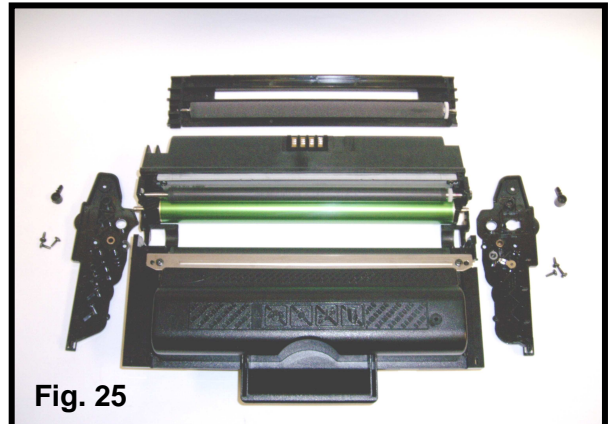
23. Clean the waste hopper using compressed air or vacuum. Check the recovery blade and replace if necessary (Fig. 23).



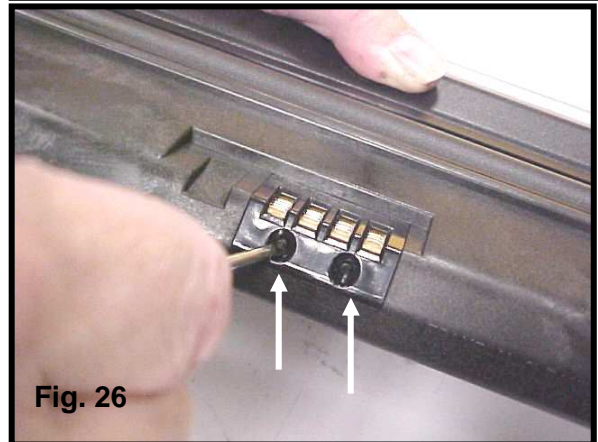
24. Clean or replace components as needed. Reassemble the drum unit in reverse order (Fig. 24).



25. Connect drum unit to toner hopper. Attach the PCR cleaning roller housing. Secure with end caps and reassemble in reverse order (Fig. 25).



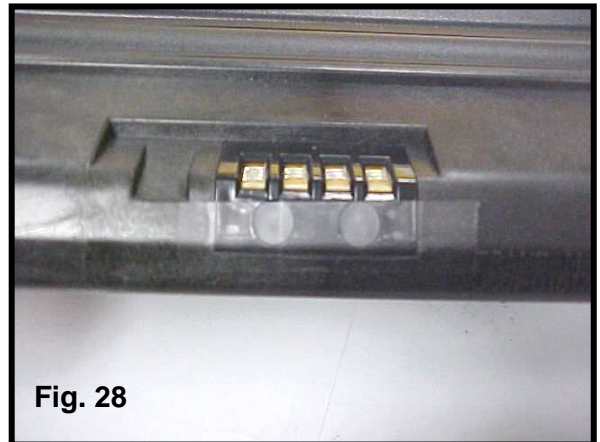
26. The chip is located on the center of the waste hopper. Use a small flathead screwdriver to snap off the two ultrasonic weld pins holding the chip cover in place (Fig. 26).



27. Remove the chip cover and replace the chip (Fig. 27).



28. Reattach the cover with thin tape, double sided tape or adhesive (Fig. 28).



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