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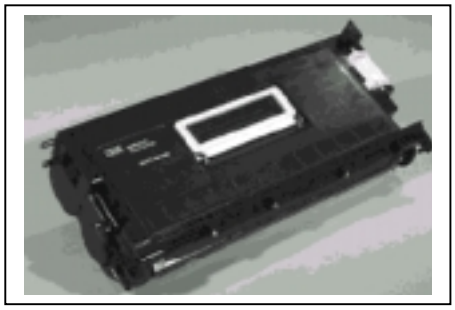
Xerox® 32 Cartridge Remanufacturing Instructions

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

OEM Reference Information:
Part Number: 113R173
Page Yield: 30,000 –32,000(Econo Mode)
@ 5% toner coverage

Approximate Remanufacturing Time: 30 min.



Tools Needed:
Phillips Head screwdriver
Jewelers flat head screwdriver
Pin Pulling pliers #99TL10
Compressed Air #99CL19
Portable vacuum #99VC20

Materials Needed:
Lint-free clothes #99CL36
Nu-Finish® (to clean PCR)
Padding Powder #99CL24 or #99CL11
Cotton Swabs #99MS18
99% Isopropyl Alcohol

Disassembly of Xerox InfoPrint 32

Separating the Waste Hopper from the Toner Hopper

Using needle nose pliers firmly pull cartridge pins straight out. **Fig. A** (Pins are located on each side of the cartridge). After the first pin is removed the waste hopper (top halve) will rise up, due to compression springs between the cartridge halves. **Fig. B** Remove the 2nd and remaining pin. Lift the waste hopper (top halve) up and set carefully aside.

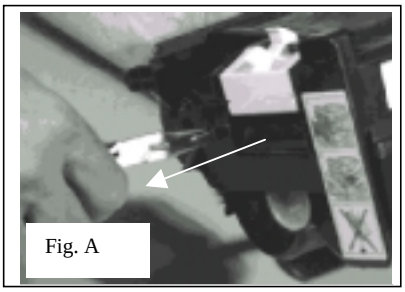


Fig. A

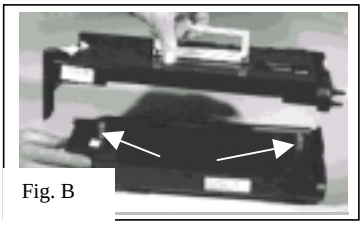


Fig. B

Toner Hopper Section Disassembly

1. Remove the Phillips screw from the magnetic roller end cap **(fig.1).** The magnetic roller is held in place with a stabilizing bushing. Remove stabilizing bushing with a small flat head screwdriver. Carefully lift the magnetic roller up and pull out of opposite end cap **(fig.2)**.
Note*(Magnetic roller is very heavy, use both hand to remove the magnetic roller). Inspect magnetic bushings, replace if necessary.

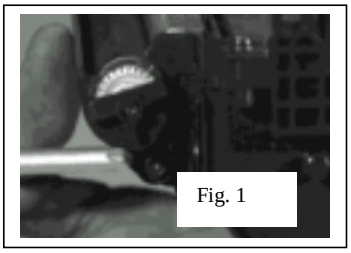


Fig. 1

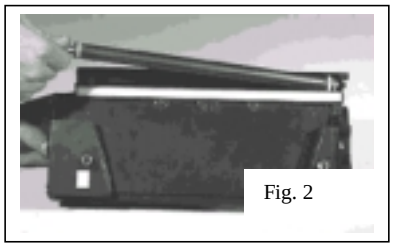


Fig. 2

2. Remove Doctor Blade by removing two Phillips screws**, (fig.3)** located at each end of the Doctor Blade. Inspect Doctor Blade, replace if necessary.
3. The toner hopper cover must be removed after both the Doctor Blade and Magnetic Roller has been removed. Unclip the 5 plastic locking tabs and remove the 4 Phillips screws for toner hopper cover removal.**(fig.4)** Dump remaining unused toner from toner hopper and toner hopper cover. Inspect toner hopper cover for damage to sealing gasket and foam.
4. Remove toner hopper plug. (After the toner hopper section has been cleaned and reassembled & filled, the plug will be re-installed.
5. Inspect toner hopper agitators for damage and toner.
6. Two Phillips screws and four plastic clips are removed and unclipped for agitation gear plate assembly removal**.(fig.5)** Take care in removal of gear plate removal. The plastic clips are easily broken. Note*(agitator paddles easily fall out when gear plate is removed. Be certain to re-install agitators before reassembling toner hopper assembly). Clean gears & electrical contact on the gear plate.

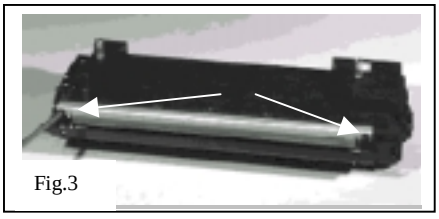


Fig.3

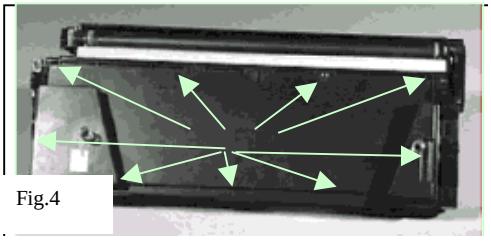


Fig.4

7. Remove the Seal Plug **(fig. 6)** by unclipping one plastic clip and pull the plug straight out with needle nose pliers. The seal port is located directly under the geared end of the magnetic roller. After seal port plug is removed, the agitator can be easily removed for seal installation. Clean and inspect seal port and plug. Thoroughly clean plastic frame area where seal will be installed.

Toner Hopper Re-Assembly

Install Seal and Port Plug
Re-install Agitator Paddle (above seal)
Re-install Toner Hopper Agitator Paddles & Gear Plate.
Re-install Toner Hopper Cover.
Re-install Doctor Blade
Re-install Magnetic Roller Bushings, Mag Roller Bearing, Mag Roller Stabilizer, Mag Gear and Mag Roller End Cap
Fill Toner Hopper with new Toner and re-install toner hopper plug.

Waste Hopper / OPC Section Disassembly

1. The Organic Photoconductor (opc) shutter door is designed to signal the printer that the cartridge is present. At the extreme end of the shutter door (same side as the Smart chip) is a copper contact that completes the circuitry to the printer**. (fig. 8)** Snap off the plastic shutter arm from the metal shutter bar. **(fig. 7)** Rotate the plastic shutter arm and remove from the cartridge shell. Pull the metal shutter bar ends out of the support holes on each side of the cartridge.
2. Remove two Phillip screws from each of the axle plates and pull axles away from the OPC **(fig.9).** Handle the OPC carefully if the OPC is to be used for a 2nd cycle. Inspect and clean or replace OPC.
3. Remove the Primary Charge Roller (PCR) by lifting up on the metal axle and out of the saddle clips **(fig.10).** Inspect and clean or replace. Clean both saddle clips. Clean old conductive grease off of saddle clip.
4. Remove one Phillips screw from the waste hopper cover**. (fig.11)** Using a flat head screwdriver carefully push in both plastic clips (one on each front end of the cover) and lift up on cover**.(fig.12/13)** Dump and clean waste toner from waste hopper and cover. Inspect waste hopper cover gasket seal for damage.
5. To remove the wiper blade, remove two Phillips screws from the wiper blade**. (fig.14)** Lift the white plastic sweeper into a vertical position. Carefully lift and pull the wiper blade out from under the sweeper and the plastic cartridge housing. Be careful not to loose the black plastic spacers under the two screws (plastic spacers are loose on the wiper blade bracket). Inspect and clean or replace wiper blade.
6. Clean the four spur gears and picker fingers located above the recovery blade.

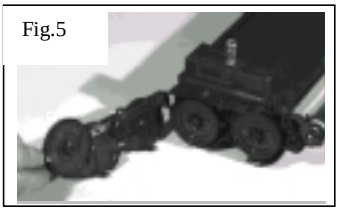


Fig.5

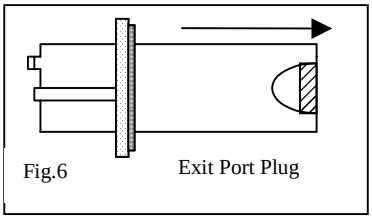


Fig.6

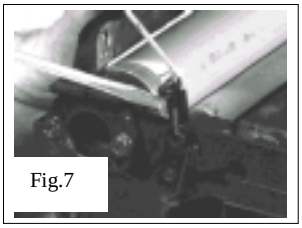


Fig.7

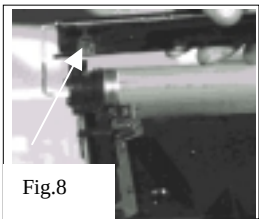


Fig.8

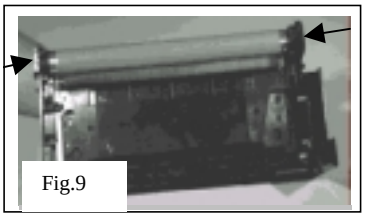


Fig.9

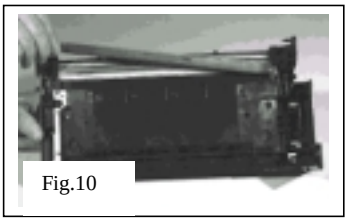


Fig.10

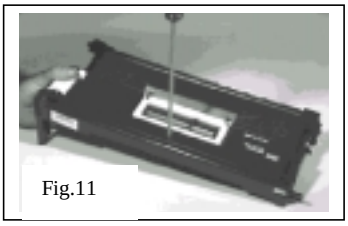


Fig.11

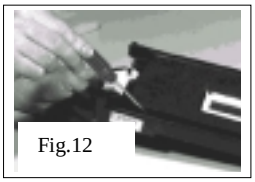


Fig.12


Fig.13

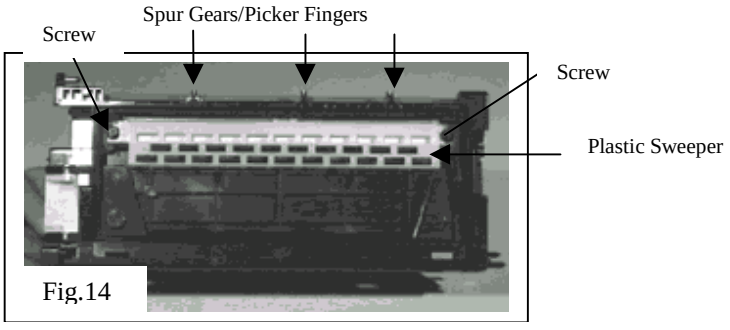


Fig.14

7. The plastic sweeper can be removed for cleaning if you choose, however removal isn't necessary. Compressed air will clean the sweeper appropriately.
8. The recovery blade should be inspected for wavy, bent, or loose areas. If removal is necessary, be certain to clean the plastic surface of all toner and other contaminates before installing the new recovery blade.
9. With compressed air, clean the entire hopper of all toner and paper residue. Inspect the cartridge shell noting any broken pieces of the shell.

Waste Hopper Re-Assembly

1. Clean Waste Hopper
2. Clean, inspect, replace recovery blade
3. Clean, inspect and re-install plastic sweeper
4. Clean & inspect picker finger and star gears
5. Clean & inspect foams and electrical contacts
6. Re-install wiper blade
7. Re-install waste hopper cover
8. Re-install PCR
9. Re-install OPC
10. Re-install OPC shutter door

After both the waste hopper and toner hopper assemblies are finished. Place the waste hopper section on top of the toner hopper section and re-insert both metal cartridge pins.

Xerox® Smart Chip
The SmartSet™ chip is designed to reset the Xerox® N24/23/40 toner cartridge. This memory chip is programmed to shut down the printer at a specific number of pages.