

RAPHICS Fuji Xerox P-880





TECHNICAL INSTRUCTIONS

Ricoh NX5000

4019 TECH

Technical Instructions

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Tools

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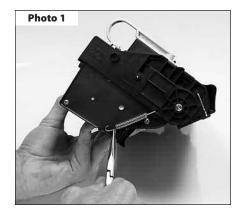
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Machine Compatibility: Fuji Xerox 20 IBM Infoprint 20/4320 Apple LaserWriter 8500 Fujitsu 307A Casio CP-DTC8 APTI-E 840

Anhydrous Isopropyl Alcohol Padding Powder Soft Lint- Free Cloth Swabs Seal 640gm Toner Drum Doctor Blade Wiper Blade

Punch Hammer **Needle Nose Pliers Diagonal Cutters** Philips Screwdriver Small Flat Blade Screwdriver

The Fuji Xerox P-880 engine was first found in the Apple Laserwriter 8500 back in August of 1997, then two years later IBM released the Infoprint 20 using the same engine. The large format Fuji Xerox P-880 engine propels its machines to a speed up to 20 pages per minute at 600dpi and can handle multiple paper sizes including 11"x17". The all-in-one cartridge design is similar to other Fuji Xerox engines and looks like a cross between the Xerox N32 and the Xerox N17. 640 grams of UltraFine toner fills the toner hopper and delivers 14,000 pages at 5% coverage. However, with TonerMiser technology the machine can cut the toner usage in half increasing the yield to 28,000 pages at 5% coverage.

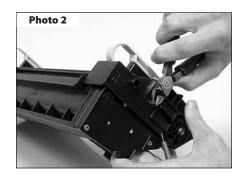


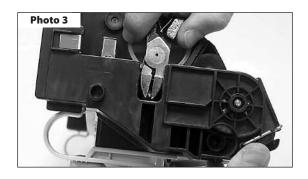
Step 1

Using needle nose pliers or a spring hook, remove the tension spring located on the end of the cartridge. (See Photo 1)

Step 2

With a pair of diagonal cutters remove the cartridge pins located on each end of the cartridge. (See Photo 2 & 3)





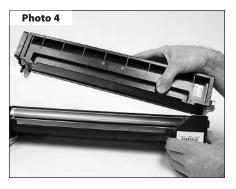
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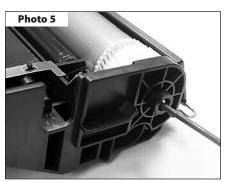


Notes



Step 3

Separate the two sections of the cartridge. (See Photo 4) Set the toner hopper aside.



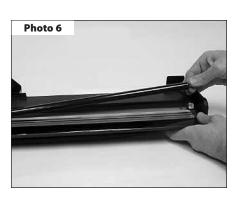
Step 4

Using a punch and a hammer, hit the drum axle out from the drive gear side of the hopper. (See Photo 5) Slide the drum axle out from the waste hopper.

Step 5

Remove the drum.

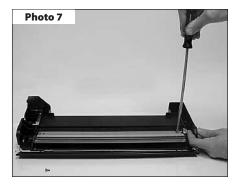
NOTE: If you plan to reuse the drum, wipe the drum with a lint free cloth. If toner is built up on the drum apply a small amount of alcohol to the lint free cloth. Clean the drum and then wipe dry. Place the drum in a protective area out of the light.



Step 6

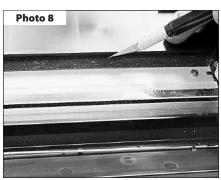
Remove the PCR from the PRC cradles. (See Photo 6)

NOTE: Clean the PCR using a lint free cloth and water, a mild soap maybe used if needed.



Step 7

Using a Philips screwdriver remove the two screws holding the wiper blade. (See Photo 7)

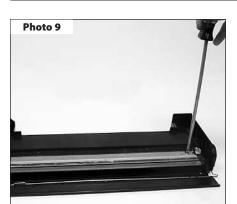


Step 8

Use a knife to cut the foam that holds the wiper blade to the toner hopper. (See Photo 8) Remove the wiper blade.

NOTE: Do not remove the foam from the waste hopper. The foam helps prevent toner from leaking out from behind the wiper blade.

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Step 9

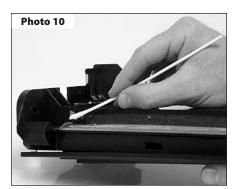
Dump out the toner from the waste hopper. Clean the hopper using dry compressed air or a vacuum.

Step 10

Apply padding powder to the wiper blade. Reinstall the blade and the two screws that hold the wiper blade in position. (See Photo 9)

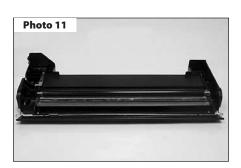


Notes



Step 11

Clean the PCR cradles using a swab and alcohol. (See Photo 10)



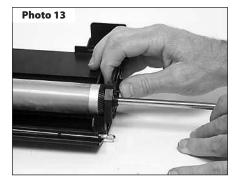
Step 12

Reinstall the PCR. (See Photo 11)



Step 13

Apply padding powder to the drum and install the drum. (See Photo 12)



Step 14

Slide the drum axle back through the drum starting from the small gear side of the drum. (See Photo 13)

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Notes

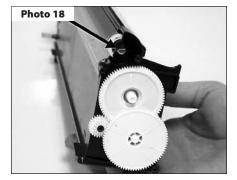




Photo 16







Step15

Rotate the drum 4-5 revolutions to ensure the drum turns freely. Use a lint free cloth to wipe off the padding powder from the PCR. (See Photo 14)

Step 16

Set the waste hopper aside in a protected area.

Step 17

Set the toner hopper up on its back. (See Photo 15) Remove the three Philips screws holding the toner hopper gear end cap. (See Photo 16) Remove the end cap.

Step 18

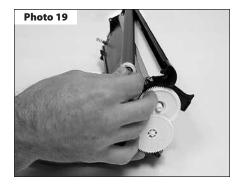
Slide the toner hopper agitator drive gear off its alignment post. (See Photo 17)

Step 19

Rotate the mag roller axle so the flat side is facing up. (See Photo 18)

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Step 20

Slide the mag roller axle out away from the toner hopper. (See Photo 19)

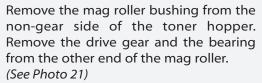
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Step 21

With the non-gear side of the mag roller free from the toner hopper, pull the axle out from the contact end of the toner hopper. (See Photo 20)





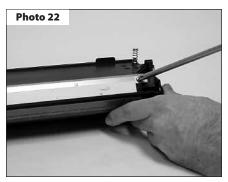
NOTE: Clean the mag roller using dry compressed air. Then use a lint free cloth and a mag roller cleaner. The mag roller bushing may be worn to the point to where it must be replaced. If you plan on reusing the bushing and bearing, clean them using a lint free cloth and alcohol.



Step 23

Remove the two screws holding the doctor blade. (See Photo 22) Remove the doctor blade and clean using dry compressed air then using a lint free cloth and alcohol.

NOTE: The silicone on the blade maybe worn to the point to were it would need to be replace. For the best print quality I recommend replacing the blade after every cycle.



Step 24

Remove the fill plug. See Photo # 23

Step 25

Clean out the toner hopper using dry compressed air or a vacuum.

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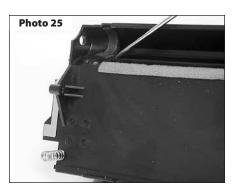


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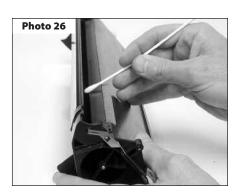
Step 26

Using a small flat blade screwdriver release the clip that holds the toner seal exit port plug. (See Photo 24)



Step 27

Push the seal exit port plug out from the toner hopper from the inside. (See Photo 25)



Step 28

Clean the seal area using a swab and alcohol. (See Photo 26)

Remove the backing of the seal and apply the seal to the toner hopper. (See Photo 27)



Step 29

Slide the seal pull tab through the seal exit port plug. Reinstall the seal exit port plug.

(See Photo 28)



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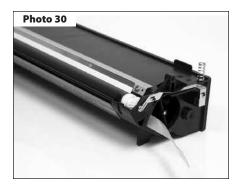




Step 30

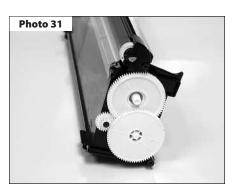
Reinstall the doctor blade and the two screws that hold the doctor blade. (See Photo 29)

Notes



Step 31

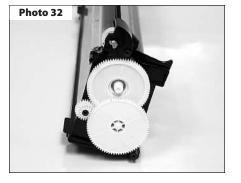
Place the mag roller bearing, bushing and drive gear back onto the mag roller. Install the contact end of the mag roller into the toner hopper. (See Photo 30)



Step 32

With the flat part of the mag roller axle up, slide the mag roller back into position. (See Photo 31)

Rotate the mag roller axle so the flat area is facing the open area of the toner hopper. (See Photo 32)



Step 33

Install the toner hopper agitator drive gear onto the alignment post. (See Photo 33)



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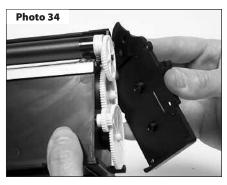
Common Problems and Solutions:

1. **Problem:** Light print on the top half of the page.

Solution: The cartridge spring on the end of the cartridge is either missing or the spring's tension is too weak. Replace or install the spring.

2. **Problem:** Leaky toner from behind the wiper blade.

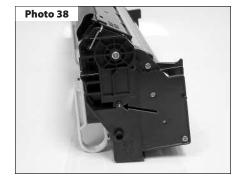
Solution: If the foam was removed from behind the wiper blade toner will leak out. Place a flat sheet of foam between the wiper blade and the waste hopper.











Step 34

Place the endplate onto the end of the toner hopper making sure the half mooned shaped mag roller axle fits into the recessed area on the endplate. (See Photo 34)

Reinstall the three screws that hold the endplate. (See Photo 35)

Step 35

Fill the toner hopper with 640 grams of toner

Step 36

Apply a bead of toner across the mag roller for testing. Rotate the mag roller 4-5 revolutions to ensure the toner is even across the mag roller.

Step 37

Place the waste hopper flat on the workbench with the handles toward you. Align the toner hopper so the tension spring will rest in the recessed area on the waste hopper. (See Photo 36)

Step 38

Install the cartridge pins in both ends of the cartridge.

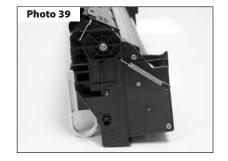
(See Photo 37 & 38)

Step 39

Place the tension spring back on the end of the cartridge. (See Photo 39)

Step 40

Test the cartridge.



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