

# Pitney Bowes® 9900 Series Remanufacturing Instructions



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

## Reference Information: Approximate Remanufacturing

OEM P/N: LT19900

Time: 30 minutes

Panasonic P/N: UG3313

OEM Yield: 10,000 @  
5% coverage

## Tools Needed:

Philips head Screwdriver  
Pin pulling pliers

## Materials Needed:

Soft, lint-free cloths P/N: 99CL14  
Cotton Swabs P/N: 99CL23



PITNEY BOWES® 9920 CARTRIDGE

## Compatibility:

The PB 9920 cartridge will run in the Panasonic® Panafax 550, 770, 880. Due to reversed teeth on the helical drive gear, the 9900, 9910, 9920, and 9930 cartridges are different from the Panafax cartridge series.

## Separate the Cartridge Halves:

1. Remove two screws located on top of the cartridge (fig. 1).

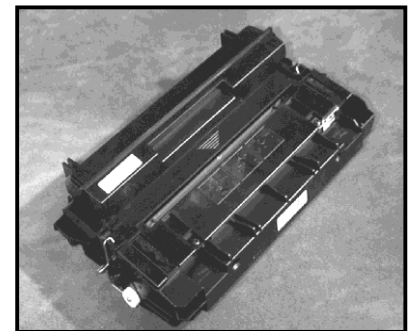


Figure 1

2. Remove the drum shutter arms from the cartridge and set the shutter and shutter spring aside (fig. 2 & 3).

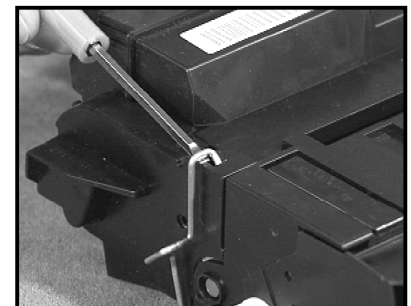


Figure 2

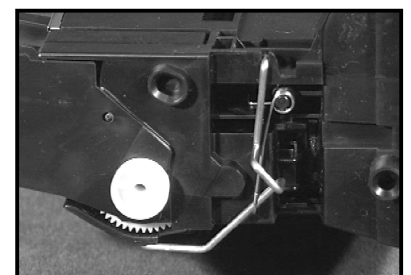


Figure 3

3. Separate the two halves by folding them down. The drum axes have flat notches on them that allow the cartridge to be separated after the two halves have been folded (fig. 4).

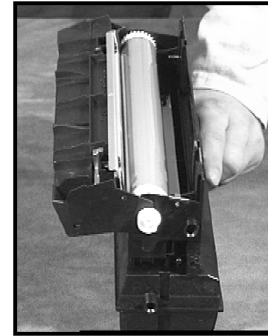


Figure 4

### Disassemble the Toner Hopper: OPC, Magnetic roller, PCR

4. Remove the OPC by removing the axle pins located on each side. Be sure to support the OPC when removing the axle pins, the PCR has spring pressure on the OPC. The helical gear side has the axle pin with the contact.  
**Note:** The OEM has a good amount of conductive grease on the axle pin.

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5. Remove the PCR and set it aside. The OEM is carbon foam filled PCR with a resistive layer that will not hold up to strong cleaning solvents (fig. 5).

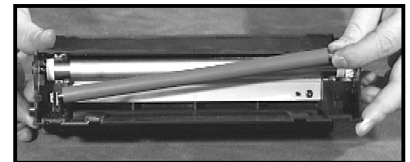


Figure 5

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6. Remove the mag roller by lifting the non-gear side first. Lift gently and slide to the right, do not lift too high or the shaft will bind in the cartridge (fig. 6). Blow off the mag sleeve with clean dry air and set it aside for assembly. The mag roller contact is now free to slide off the end of the cartridge. Remove and keep with the mag sleeve for assembly (fig 7).

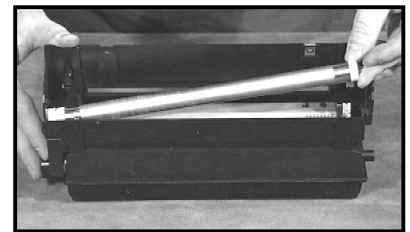


Figure 6

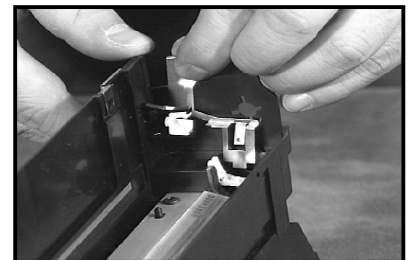


Figure 7

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7. Remove the mag sleeve saddles for inspection and cleaning. Remove any toner with a cotton swab saturated in 99% IPA. Set them aside for assembly.

8. Remove the gear housing end plate, and remove the drive gears for the mag sleeve and agitator bar (fig. 8). If you are removing the large agitator gear, be careful not to break the snap post.

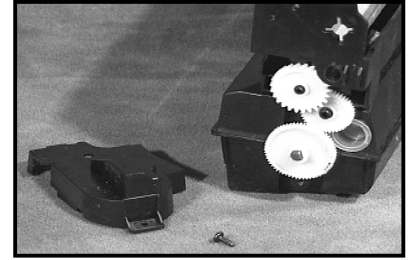


Figure 8

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9. Remove the two screws securing the doctor blade and inspect the blade for damage (fig. 9). Replace if necessary. Remove the hopper plug and evacuate the hopper of all old toner. Use compressed air to clean off all areas around the hopper.



Figure 9

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10. With the seal area exposed, clean the seal area with a cotton swab and 99% Isopropyl Alcohol. Install a new hopper seal. It is easier to slip the ribbon through the slot by removing the seal ribbon plug. After the ribbon is installed, replace the ribbon plug in the end of the cartridge (fig. 10).

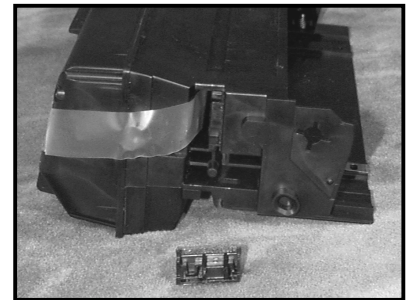


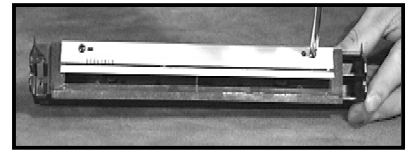
Figure 10

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11. Fill the hopper with toner and replace the hopper plug. Install the gears and end plate.
  12. Inspect the mag roller felts for excessive wear or damage. Replace the doctor blade.
  13. Install the mag roller contact (it fits into small grooves on the inside of the cart-Ridge). Install the clean mag roller, gear side first. **Caution:** The mag roller shaft has a flat side on the non-gear side; this must be facing toward the front when installing. Failure to put the flat side forward will cause the mag roller to bind in the saddle.
  14. Clean and lube the PCR shaft, set the PCR into the saddles.
  15. Replace the OPC. Insert the axle pins, (contact pin on the left side). Be sure to lubricate the contact pin. **Note:** The axle pins will only go in one way, do not force them.

16. Install the drum shutter and spring. Take caution not to hit the OPC with the shutter. Set the hopper unit aside.

### **Disassemble the Waste Hopper: Wiper blade and Recovery blade**

1. Locate and remove the screws securing the wiper blade in place (fig.11). Use compressed air to remove all residual toner from the hopper. Clean the blade with IPA and inspect for damage. Be sure to lubricate the new wiper blade before you install it.



**Figure 11**

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2. Before attaching the two halves together, make sure you clean the contacts. The contacts are located near the screws that hold the cartridge halves together.