HP InkJet Cartridge
Refill Instructions
(For #5000SK Kit)

Specific Cartridges:
932, 932XL, 933, 933XL, 950, 950XL, 951, 951XL
Contents of Kit:
- (3) each #1951, 30cc Syringe
- (1) each #1952, 60cc Syringe
- (4) each #1905, Blunt Plastic Needle, Dual Side Port
- (4) each #1959, Syringe Tip
- (1) each Pushpin
- Inks: 8 ounces of Black, 4oz Cyan, 4oz Magenta, and 4oz Yellow

<table>
<thead>
<tr>
<th>Cartridge #</th>
<th>Color</th>
<th>Ink #</th>
</tr>
</thead>
<tbody>
<tr>
<td>932, 950</td>
<td>Black</td>
<td>BKP280</td>
</tr>
<tr>
<td>933, 951</td>
<td>Cyan</td>
<td>CP280</td>
</tr>
<tr>
<td>933, 951</td>
<td>Magenta</td>
<td>MP280</td>
</tr>
<tr>
<td>933, 951</td>
<td>Yellow</td>
<td>YP280</td>
</tr>
</tbody>
</table>

Approximate Weights and Fill Volumes

<table>
<thead>
<tr>
<th>Cartridge #</th>
<th>Color</th>
<th>Empty Wt. (grams)</th>
<th>Ink Amount * (ml)</th>
<th>Full Wt. (grams)</th>
</tr>
</thead>
<tbody>
<tr>
<td>932 and 932 Setup</td>
<td>Black</td>
<td>20</td>
<td>13ml</td>
<td>33</td>
</tr>
<tr>
<td>932XL</td>
<td>Black</td>
<td>38</td>
<td>32ml</td>
<td>70</td>
</tr>
<tr>
<td>933</td>
<td>C/M/Y</td>
<td>20</td>
<td>6ml</td>
<td>26</td>
</tr>
<tr>
<td>933XL and 933 Setup</td>
<td>C/M/Y</td>
<td>20</td>
<td>13ml</td>
<td>33</td>
</tr>
<tr>
<td>950 and 950 Setup</td>
<td>Black</td>
<td>48</td>
<td>38ml</td>
<td>86</td>
</tr>
<tr>
<td>950XL</td>
<td>Black</td>
<td>48</td>
<td>80ml</td>
<td>128</td>
</tr>
<tr>
<td>951 and 951 Setup</td>
<td>C/M/Y</td>
<td>26</td>
<td>13ml</td>
<td>39</td>
</tr>
<tr>
<td>951XL</td>
<td>C/M/Y</td>
<td>27</td>
<td>25ml</td>
<td>52</td>
</tr>
</tbody>
</table>

*Please note that (1) ml of ink equals (1) gram of weight.

Cartridges for the “Leap Frog” Method
You will need to have a minimum of 2 sets of cartridges for this refill method to work correctly in your printer (unless replacement chips are used). One of these sets can include the “Setup” cartridges that came with your printer. This refill process is called the Leap-Frog method, because you will alternate between different sets of cartridges. Always have a refilled set of cartridges ready to go at all times. Caution: When replacing cartridges never leave a cartridge slot in the printer empty for more than a moment, and never power off the printer. This could cause drying and damage to the printhead.

Replacement Chips – Alternate Method (not included in this kit)
Replacing the chips is not required for the Leap Frog Method, but is an alternative to the Leap Frog Method. They can also be used in cases where the cartridges are being rejected by the printer. The replacement chips can be purchased separately from R-JetTek. These replacement chips will provide ink levels through the cartridge’s new refill cycle. The chips will need to be replaced for each refill. Instructions for replacing the chips can be found on page 6.

Caution: Do not allow cartridges to go to “Depleted”
If you are using the Leap-Frog method on cartridges that have been used until the “Depleted” message appears, then they may not work again due to the chip being marked as “Depleted.” Always replace the cartridges when they reach their “Low” status. The “Low” message will appear on the printer screen. You can repair this cartridge by replacing the chip.

Caution:
To prevent damage to the chips follow common ESD safety procedures - for example see: http://en.wikipedia.org/wiki/Electrostatic_discharge
Refill Process

**HP 932/933/950/951**

**Syringe Tip Preparation:** Using a Pushpin you will need to punch a hole in the plastic Syringe Tip on each side about 1/16” from the tip (See Figure 1). This will prevent the Syringe Tip from sealing against the exit port sealing ball.

1. Place the plastic Syringe Tip with the punched holes onto the 10ml syringe.

2. **A) For 932, 932XL, 933XL, and all 950 and 951 Cartridges:** Holding the cartridge with the Exit Port (see Figure 2) on the bottom, insert the plastic Syringe Tip into the Exit Port of the cartridge and pull back on the syringe to remove old ink (see Figure 3). **Caution:** Be careful not to dislodge the rubber bushing on the exit port.

   **B) For 933 Regular Cartridges Only: Note:** The 933 regular color cartridges have no pressure relief port like the others, so it will create a vacuum in the cartridge. To overcome this do the following: Using the same tools as in “A” above insert the syringe tip as in Figure 3, and pull back on plunger. Empty the waste ink from syringe. Next, place the plunger on the syringe between the 6 and 8mm marks (just air), and insert as in Figure 3, but this time inject the air into the cartridge. Now pull back on the syringe and you will pull out the air along with the remaining ink. You may have to repeat a few times to remove it all.

3. Attach the Dual Port Needle (Figure 4) to the 30 or 60ml syringe (depending on which cartridge you are filling), and fill it with the designated amount of ink. See fill amounts above. **Caution:** DO NOT exceed fill amounts

4. Place the cartridge with the port facing up onto a firm surface. Insert the Cannula Needle at a slight angle into the Exit Port of the cartridge and fill the cartridge with ink (Figure 5). **Caution:** DO NOT press the syringe against the port too hard as this will form a seal between the port and the needle preventing air from escaping. If pressure develops move the syringe to release.

5. Place the cartridge with the port facing up onto a firm surface.

6. Insert the 10ml syringe with the plastic Syringe Tip into the Exit Port of the cartridge and **slowly** pull back on the syringe until ink appears in the syringe (see Figure 6). This will remove any excess air from the cartridge. **Warning:** If the cartridge is not primed correctly it may flood the printhead inside the printer.
Error Messages
When using refilled 932/933/950/951 Cartridges you may receive one of the following error messages:

- **“Used or Counterfeit Cartridges Detected”** – In this case click on **“No”** and continue. The same message appears for both the Black and Color cartridges.

- **“Used, Refilled or Counterfeit Cartridge Detected – Missed Rewards”** – This is a typical “Scare Message.” If you receive this message just click on **“OK”** and your printer will continue printing.
Error Messages Continued...

- **“Ink Cartridges Depleted”** – You may run into this message when a cartridge that was removed from the printer, refilled, and then is placed back into the printer. The printer has marked this cartridge on the chip when it becomes empty. You may not be able to overcome this issue. Once the cartridge has been marked by the printer as depleted it ends up being rejected by the printer if you try to refill it. Always replace the cartridge as soon as the go to “Low”, and then continue using the Leap-Frog method using 3 sets of cartridges.

![Ink Cartridges Depleted Image]

### Additional Error Messages

You may also see the following messages on the Printer’s Screen.

- **Counterfeit or Used**
  - The original HP ink in one or more cartridges has been depleted.
  - If they were sold to you as new, genuine HP cartridges, they might be counterfeit.
  - To continue using the cartridges, select OK.

![Counterfeit or Used Images]

These Counterfeit or Used messages will come up for each color. Just press “OK” and the printer will accept the cartridge.

- **Empty Ink Cartridge?**
  - If HP’s cartridge warranty does not cover non-HP ink or cartridges.
  - If HP’s printer warranty does not cover repairs or service required after using non-HP ink or cartridges.

![Empty Ink Cartridge Image]

This message is a scare tactic, and comes up occasionally. Just press “OK” to continue.

This message may appear for a cartridge from this printer that has been refilled. Just press “OK” to continue. The “Leap Frog” method may need to be used.
Chip Installation Instructions

If you purchased the replacement chips for any of the HP 932, 933, 950, or 951 cartridges these instructions will provide you with proper installation for those chips. **Caution:** Please follow all necessary ESD procedures when handling the replacement chips. You can find ESD procedures on the internet.

1. Identify the correct chip has been selected and proceed to remove from the packaging.
2. Carefully remove the white backing off the chip using a flat X-ACTO blade, or similar tool, exposing the adhesive underneath.

3. Once the adhesive is exposed, proceed to carefully place the chip over the existing OEM as shown. The flat X-ACTO blade works well for this.

4. Once the chip has been placed, press down on the chip gently to secure the adhesive in place.
5. Inspect the chip for proper location as shown.