

3D Printer Summer Storage Instructions

Rev B

Description:

This procedure is to inform you of proper procedures for packing away your Z Corporation 3D Printer for the summer or other period of non-use. This procedure should be followed if you intend to allow your printer to sit for a month or more while away for summer break or during the school year. Failure to follow these procedures may result in serious binder clogs in the Z Corp 3D Printers. These clogs may cause several problems including low print head life or weak, unusable parts. They may also cause damage to the 3D Printer that may not be covered under warranty or service contract. It should also be noted that print heads may not function well after a week or more of non-use. For more information on this subject, or if instructions are not clear, the Service Department can be contacted at (781) 852-5050 or via email at service@zcorp.com.

Prerequisites:

- ZPrinter™310
- Z®400/402
- Z®406 and Z®810
- Spectrum™Z510
- ZPrinter™450

Equipment / Parts Required for Z400, Z402, ZPrinter310, Spectrum 510

- 06696 Z Corp Storage Solution
- Distilled Water
- 06775 Needle Tubing Assembly or a needle that fits the septum
- 10674 20cc Syringe

Equipment / Parts Required for ZPrinter 450

- 06965 ZPrinter 450 Sanitizing Kit
- 06775 Needle Tubing Assembly
- 10674 20cc Syringe
- 08855 ZPrinter 450 Sanitizing Procedure

Procedure:

Z400:

1. Replace the binder bottle with a bottle of the Z Corp Storage Solution.
2. With the printer "Online", choose the 'Service' menu in the software.
3. Choose the 'Flush Binder' option. The 'Online' and 'Error' light will blink.
4. Press the 'Feed Up' button and hold for 5 minutes.

5. When finished, press 'Online'
6. When ready to use the Z400 3D Printer, replace the Z Corp Storage Solution with Z Corp binder and flush system for 6 minutes.

ZPrinter310:

1. Remove the binder.
2. Remove the print head.
3. Rinse out the binder tank with distilled water.
4. Fill the tank with Z Corp Storage Solution and reinsert the tank into the Printer.
5. Use 06775 Needle Tubing Assembly that came in your Printer's tool kit. Place the black tip into the septum and pull two full syringes of liquid through the syringe.

Z406/Z810:

1. Remove the binder from the three color bottles.
2. Rinse out the binder bottle with distilled water.
3. Fill the color bottles with Z Corp Storage Solution and place the dipstick for the clear binder into the bottle for the Z Corp Storage Solution.
4. With the printer "Online", choose the 'Service' menu in the software.
5. Choose the 'Flush Binder' option. Allow flushing to continue for 5 minutes.
6. Press 'Online' to cancel the flush.
7. With the Printer "Online", choose the '406Service' menu or the "810Service' menu in the software.
8. Select "Change Binder Supply". Press to either change to color or monochrome mode. The printer will flush and purge your print heads.
9. When ready to use the Z406/Z810 3D Printer, replace the Z Corp Storage Solution with Z Corp binder and flush the fluid system for 5 minutes.

Spectrum Z510:

1. Remove the binder from all four binder bottles on top of the machine.
2. Remove the print heads.
3. Rinse out the binder tanks with distilled water.
4. Fill the binder tanks with Z Corp Storage Solution and reinsert the tanks into the Printer.
5. Use 06775 Needle Tubing Assembly that came in your Printer's tool kit. Place the black tip into the septum and pull two full syringes of liquid through the syringe for each septum.

ZPrinter 450:

1. Drain binder from printer using 08855.
2. Remove the drain bottle and dispose of it.
3. Reconnect all tubing in the ZPrinter 450
4. Insert new canister of sanitizing fluid and allow to drain into the system.
5. Insert a second canister of sanitizing fluid and allow to drain.
6. Use a syringe to pull 2 syringes of fluid through the septum.

Change History

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