Extruder Motor Cleaning Guide

1. Withdraw any filament from the Printer.
2. Turn power off to the Printer using the switch on the back.
3. Remove the Afinia extruder cover.
4. Cleaning can be done with the Extruder still attached to the Printer, but you may find it easier if it is not. If you will not be removing the extruder, skip to step 5.
   a. Unplug the rainbow ribbon cable from the top of the extruder
   b. To remove the extruder, use the large Allen wrench to remove the bolt securing the head to the unit; the removed extruder head should look similar to the image below.

5. Remove two screws just above the fan (circled in the image to the right) using the medium Allen wrench included in the tool kit.

6. With the screws removed, gently pull the plastic housing forward and off the heat sink behind the fan.

7. Remove the white plastic cover over the extruder gear, which is circled to the right.
8. Once you have the cover off you will see the gear for the extruder. Use a sharp metal pick such as a pushpin or the needle nosed tweezers included in your kit to clean out the teeth of the gear.

9. Check the extruder path below the gear (circled to the right) for any filament debris. If anything is visible, use the tweezers to remove it before reassembling the extruder.

10. Reassemble the extruder head by reversing steps 2 through 7. Remember to put the unit back together exactly how you took it apart, referring to the pictures if needed.

11. Turn the Printer power back on using the switch at the back. Re-initialize the printer using the Initialize switch on the front.

12. Clip about 6” from the end of the filament and reload the filament.