DREMEL® DIGILAB

Unclogging the 3D20

⚠WARNING Read the Dremel 3D20 manual and these instructions. Failure to comply with the warnings and instructions may result in fire, equipment damage, property damage, or personal injury.

Always unplug Dremel 3D20 from its power before performing any service procedures. Failure to do so may re-sult in personal injury and equipment damage.

Use only Dremel approved materials and components. Use of object materials, or 3D objects other than Dremel approved object materials and genuine Dremel components may void warranty.

Repairs on the Dremel 3D20 may require the use of special tools (pulling devices and bearing press). Authorized repair centers have trained repair technicians and equipment necessary to perform these repairs.

For the location of the repair center near you, look on our web site at www.Dremel3D.com and follow the link for 'Support'.

⚠WARNING Do not touch the extruder tip or heated build platform during Dremel 3D20 operation or until it has cooled down to at least 60oC (140oF). Contact with the extruder tip or build platform during or after operation before tip and build platform has cooled may result in personal injury.
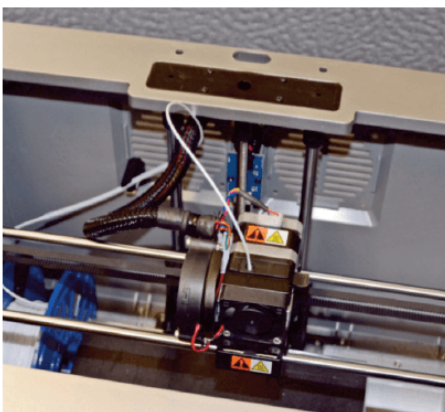
SERVICE INSTRUCTIONS

Please click here for Video Tutorial

Tools Required:

• Scissors
• 2,5 mm Allen key
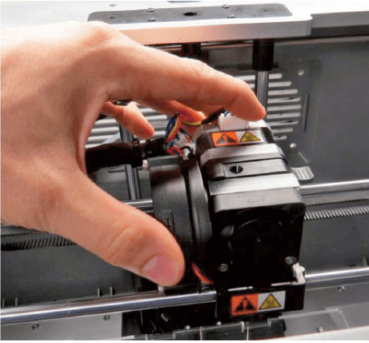• Needle Nose Pliers

Step 1: Remove the top cover

Step 2: Unload filament from the extruder.

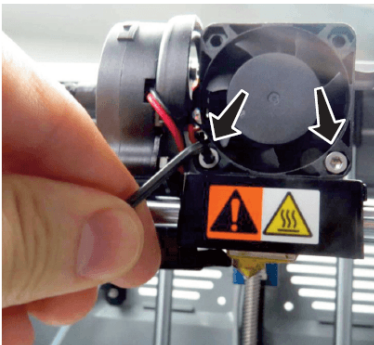
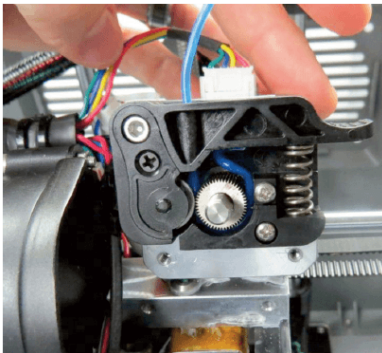### Step 3: Power off then unplug the power cord from the Dremel 3D Idea Builder.

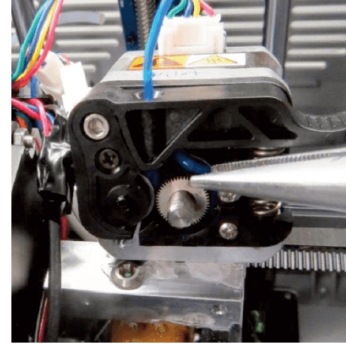**Step 4: Move, by hand, the extruder to the center of the Idea Builder.**

Step 5: Open the front door, then using the allen wrench, loosen the two screws on the front fan.

Step 6: Remove the fan exposing the drive gear.

Step 7: Remove the clogged filament with a needle nose pliers. Note: Make sure to remove all remnants of the clogged filament and discard appropriately. Any remaining filament may cause the printer to not work properly.

Step 8: Replace the stepper motor and fan. Tighten the 2 fan screws in place. Note: Screws should be hand tightened. Do not over tighten or you may damage the extruder fan.