

MatterHackers

How to Install Motor Dampers

Motor Dampers reduce vibrations so your printer runs smoothly and more precise.

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**TOOLS:**

- 2.5mm hex key (1)

**PARTS:**

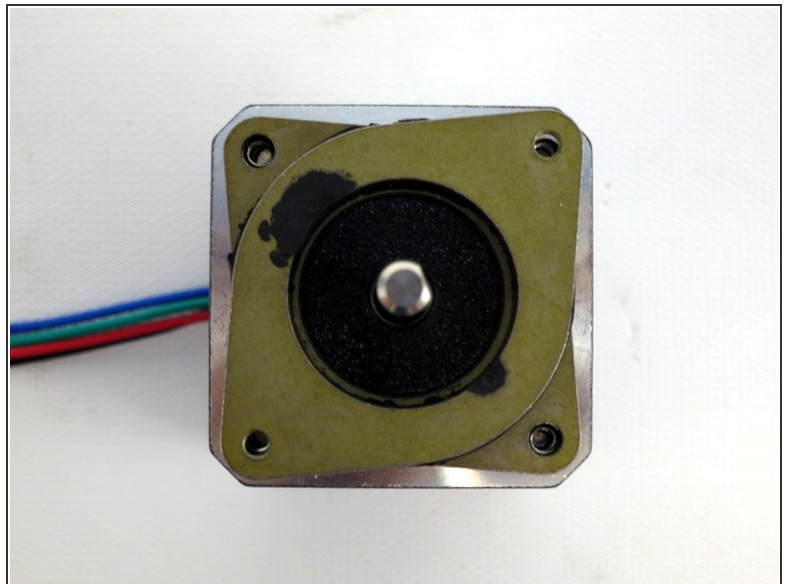
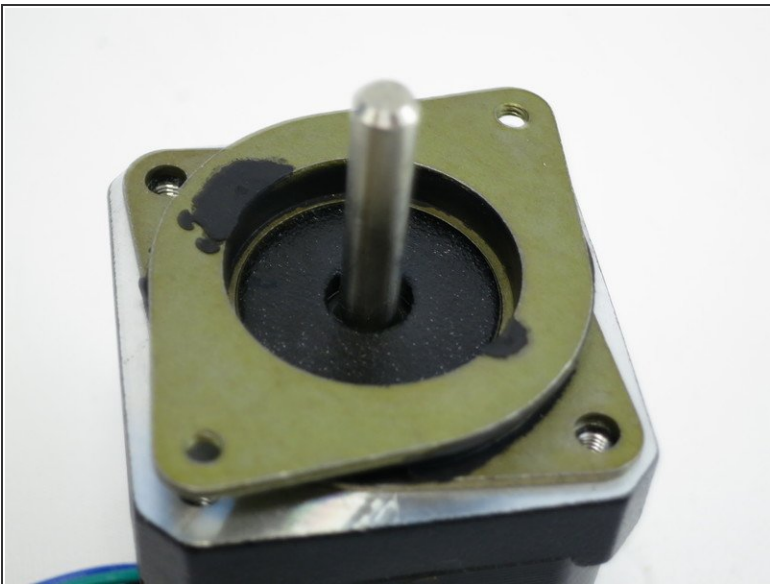
- Motor Damper (1)

Step 1 — Dampers



- Remove any screws securing the motor and extract the motor from the printer.
- Remove any belt pulleys from the spindle.
- Lay the motor down with the spindle facing up.

Step 2



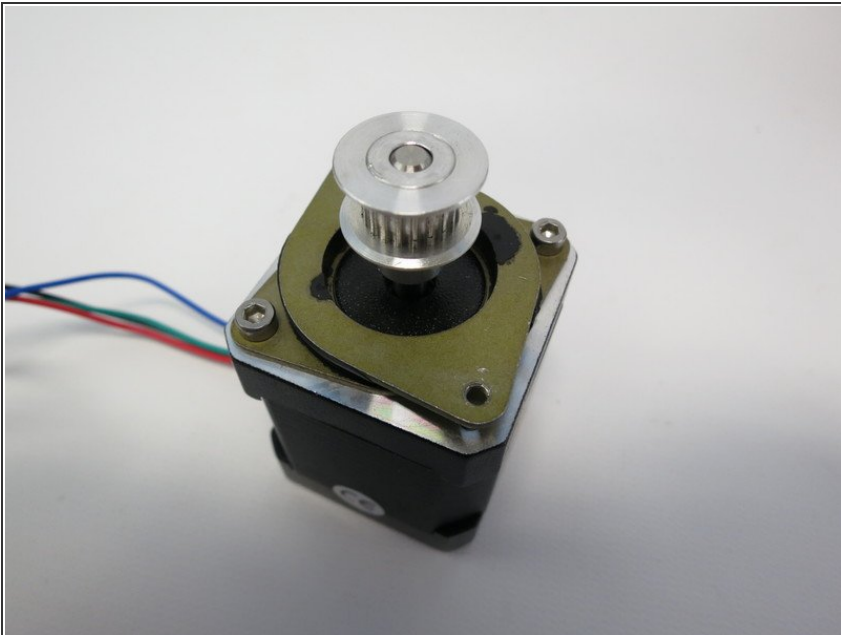
- Lay the damper down on top of the motor with the side with the two larger, non-threaded holes touching the top of the motor.

Step 3



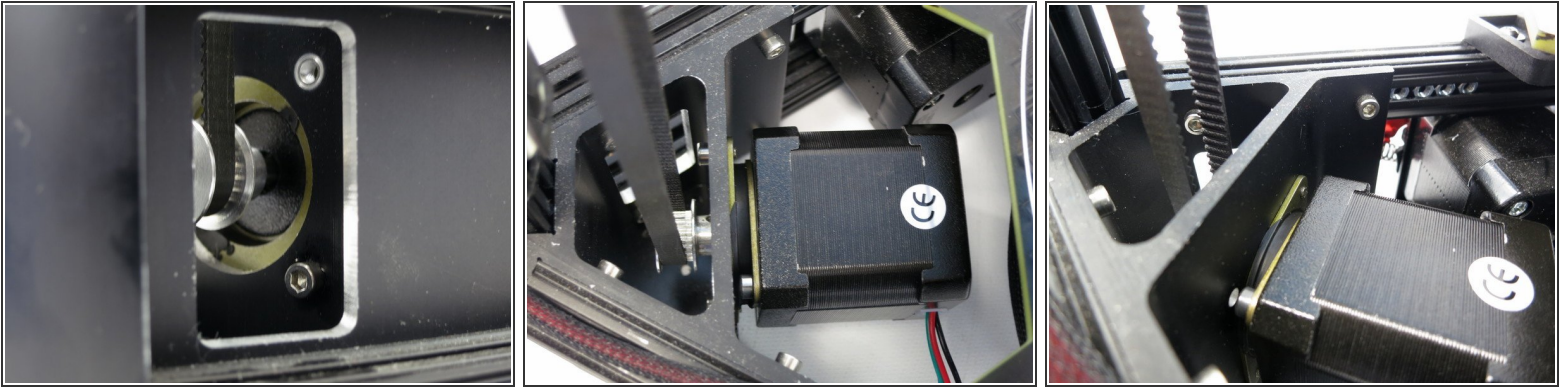
- Using a 2.5mm hex key, install two 6mm M3 socket-head screws through the larger holes and into the two threaded holes diagonal from one another.

Step 4



- Reinstall the belt pulley, adjusting its position on the spindle to compensate for the new damper (5.75mm thick).

Step 5



- The motor is ready for installation!
- Use two M3 screws to secure the damper to the printer.
 - ⚠ Make sure the screws aren't long enough to go through the threaded holes on the damper and into the holes on the motor as this will negate the effect.