

How to Replace the Filament Lever

Remove the old one

1. Unhook the two springs from the right side of the aluminum Cold End block. It's easier if you place one finger above, and one below the hook to share the force.
2. Find the 2.5mm hex driver from your Owner's Kit.
3. Completely loosen the pivot screw that is in the top right corner of the lever.
4. Remove the lever along with the screw, the tubular spacer and the springs, as one unit.

Transfer the Spacer and Springs

1. Note the orientation of the springs in the lever - you may want to take a photo for reference.
2. Push or pull the tubular spacer and the screw out of the old lever. This should release the springs.
3. The old lever should now just have the bearing and retaining screw in it and no other metal parts. Compare it to the new lever. *The new lever should normally have a bearing already installed. If it does not, you can transfer the bearing to the new lever, but the old screw may be the wrong length or head shape. Please contact us if that is the case.*

Install Spacer and Springs into the new lever

1. Push the spacer just a bit into the new lever, but not far enough to block the slot for the first spring.
2. Place the rounded end of the first spring into the slot near the spacer, such that it leaves room for the spacer to be more-fully inserted past it, capturing the spring. Push the spacer in so it captures the spring. You may need to wiggle the spring or maneuver it a bit to allow the spacer past.
3. Do the same for the second spring, and push the spacer fully into the lever.

Install the New Lever onto the extruder

1. Holding the assembled lever with springs and spacer, and the screw through the spacer all together, bring the assembly up to the extruder so that the pivot screw lines up with the threaded hole in the upper right corner of the extruder motor.
2. Make sure the lever sits flat against the motor and appears to be in its proper location.
3. Use the 2.5mm hex driver to gently engage the screw's threads with the threads in the hole in the motor.
4. When you are sure the screw is threading in properly, fully thread the screw in, while checking that the lever can still freely pivot and is still against the motor.
5. If all seems OK, tighten the screw.
6. Hook the rearmost spring onto its hook on the aluminum block. Then hook the close spring onto its hook.
7. Check for correct lever operation and filament insertion.