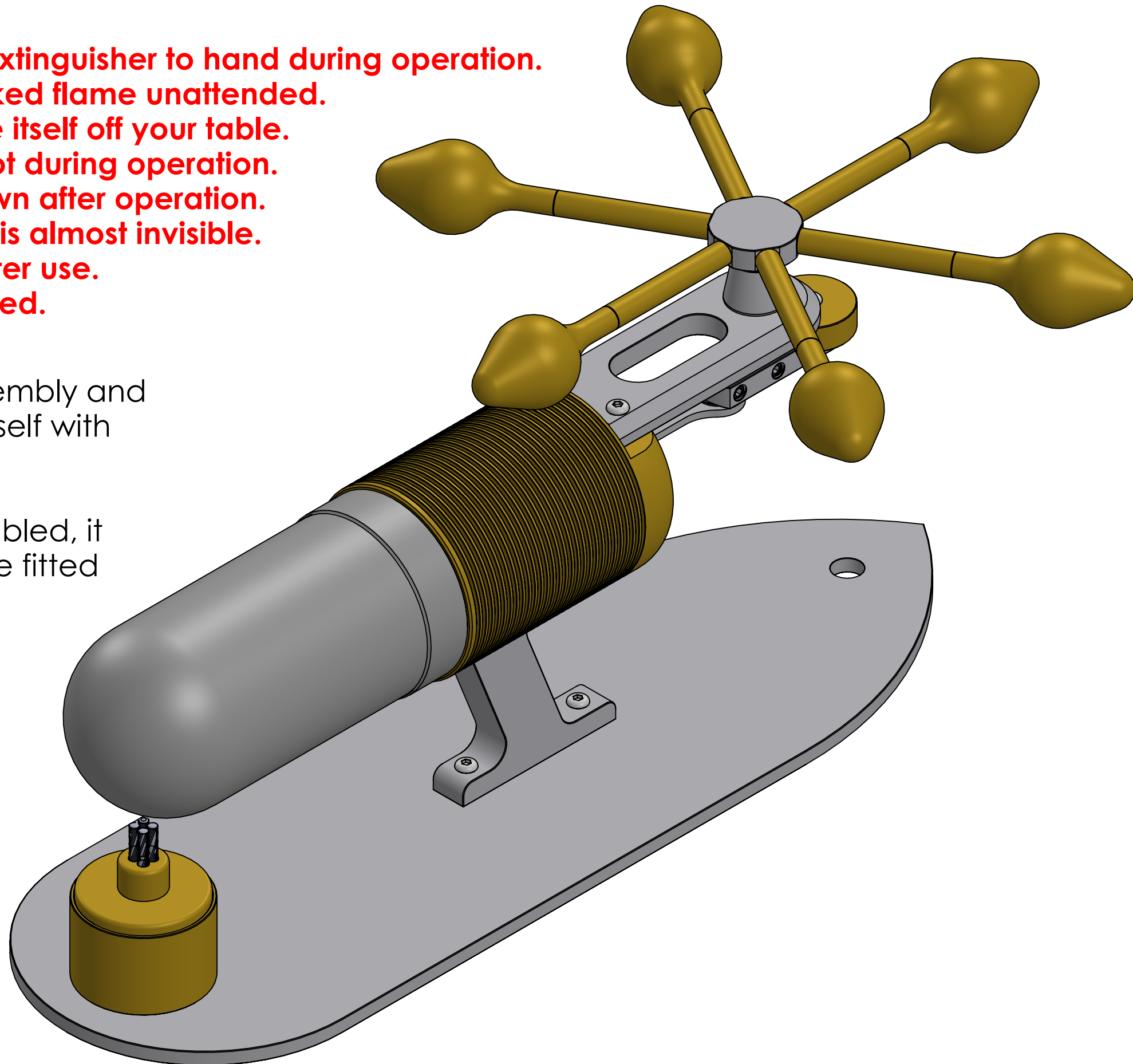


Kontax Flame Pod operation and maintenance instructions

- Make sure you have a suitable fire extinguisher to hand during operation.
- Never leave a running engine or naked flame unattended.
- Take care the engine doesn't vibrate itself off your table.
- All parts of the engine will be very hot during operation.
- The engine will take time to cool down after operation.
- The flame produced by a steel wick is almost invisible.
- Ensure burner is fully extinguished after use.
- Make sure children are fully supervised.

Please read all the way through the assembly and operation instructions to familiarise yourself with the engine before proceeding.

The engine is supplied almost fully assembled, it will just require the flywheel weights to be fitted before operation.

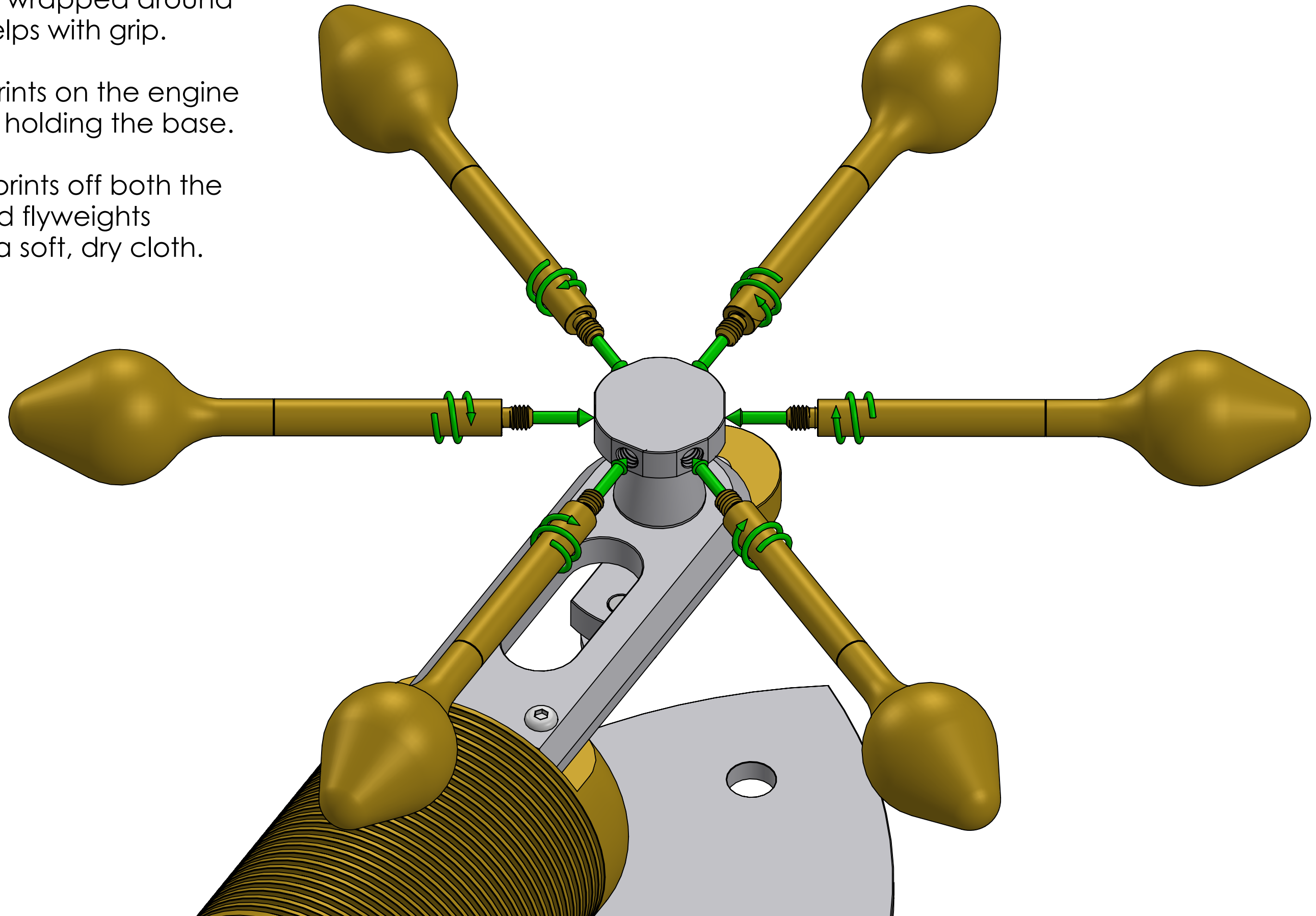


Carefully unwrap the 6 flyweights and screw them into the hub.

Finger tight is sufficient, you may find an elastic band wrapped around the flyweights helps with grip.

To avoid fingerprints on the engine try to move it by holding the base.

Wipe any fingerprints off both the engine body and flyweights afterwards with a soft, dry cloth.

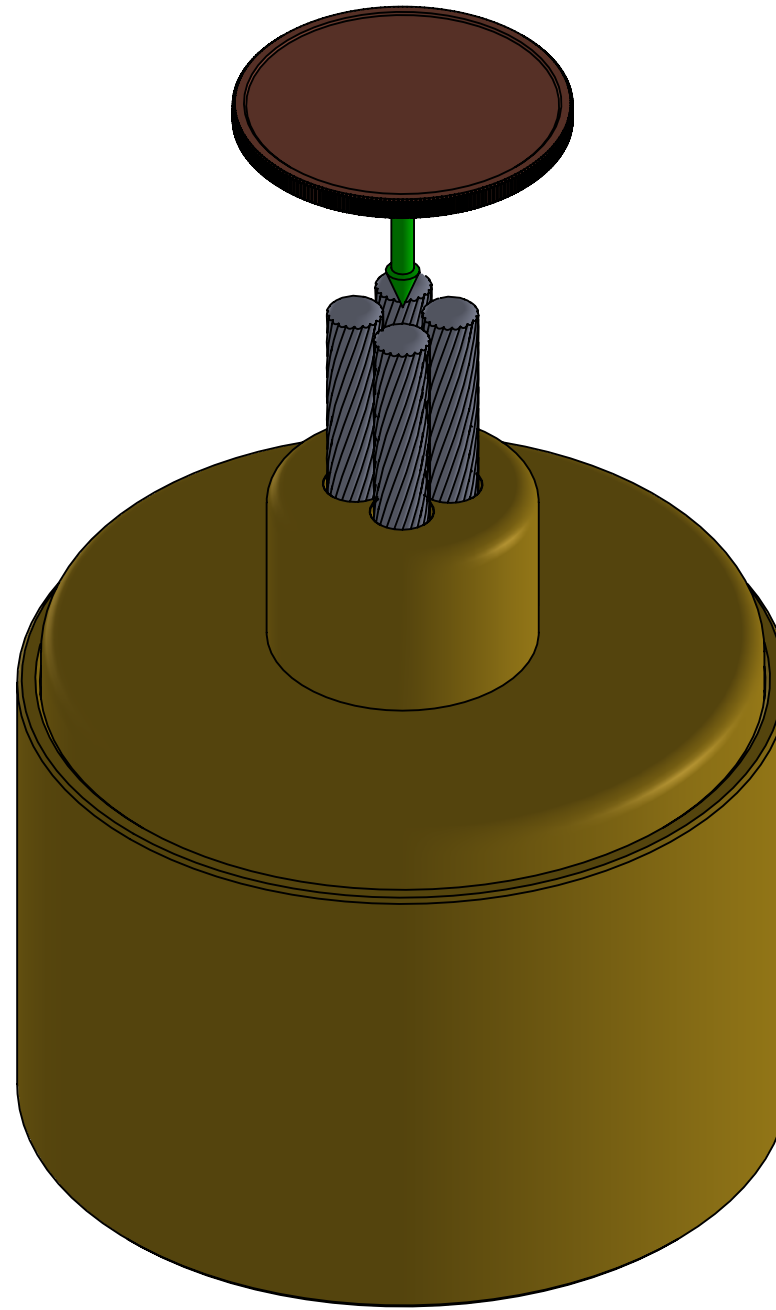




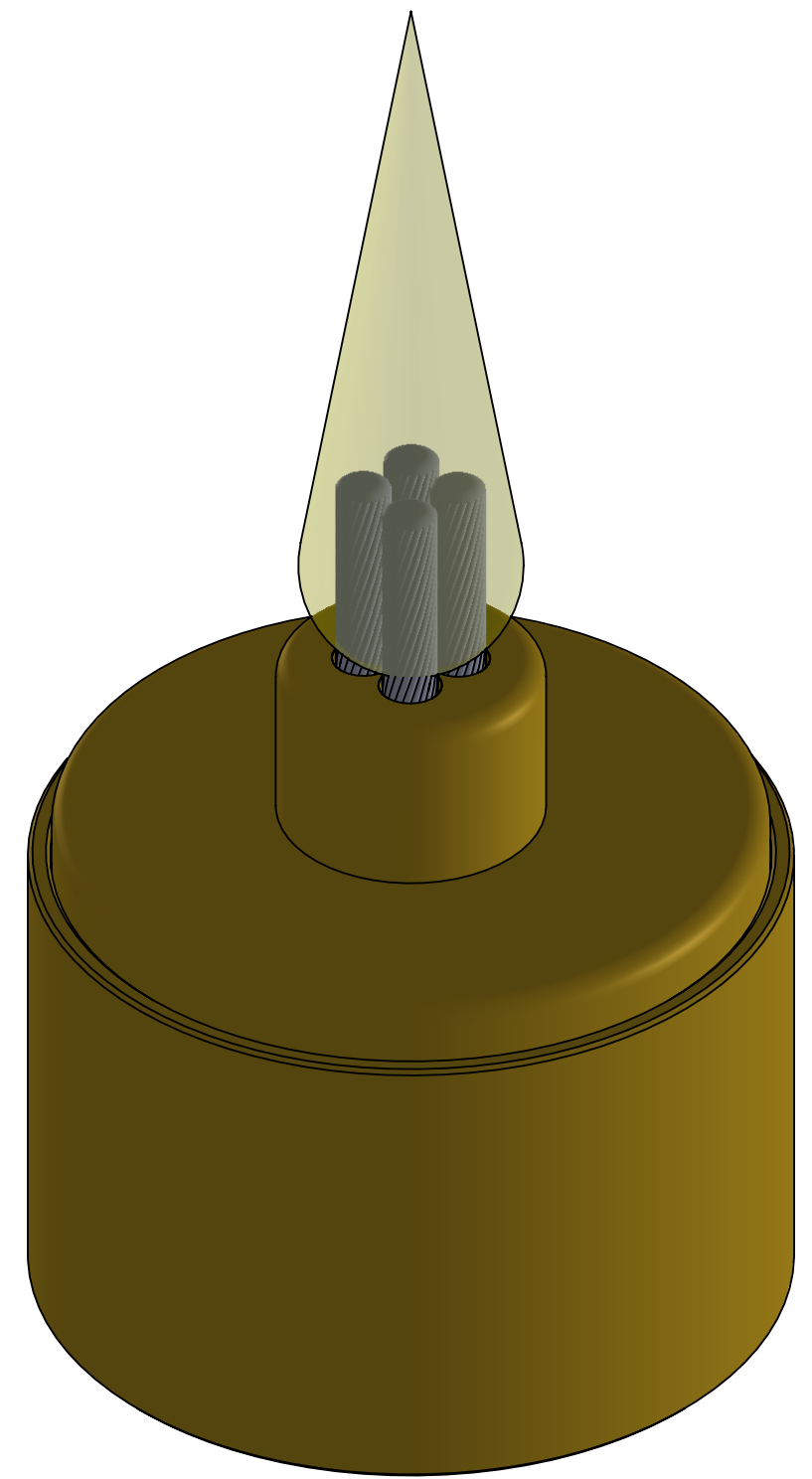
The engine uses Methylated Spirits or Denatured Alcohol as fuel.

Remove the burner cap and wicks from the burner body and fill the body with fuel to the fill line.

DO NOT FILL HIGHER THAN THE FILL LINE!



Fit the burner cap back into the burner body and press the wicks with a coin to make sure they are the correct length.

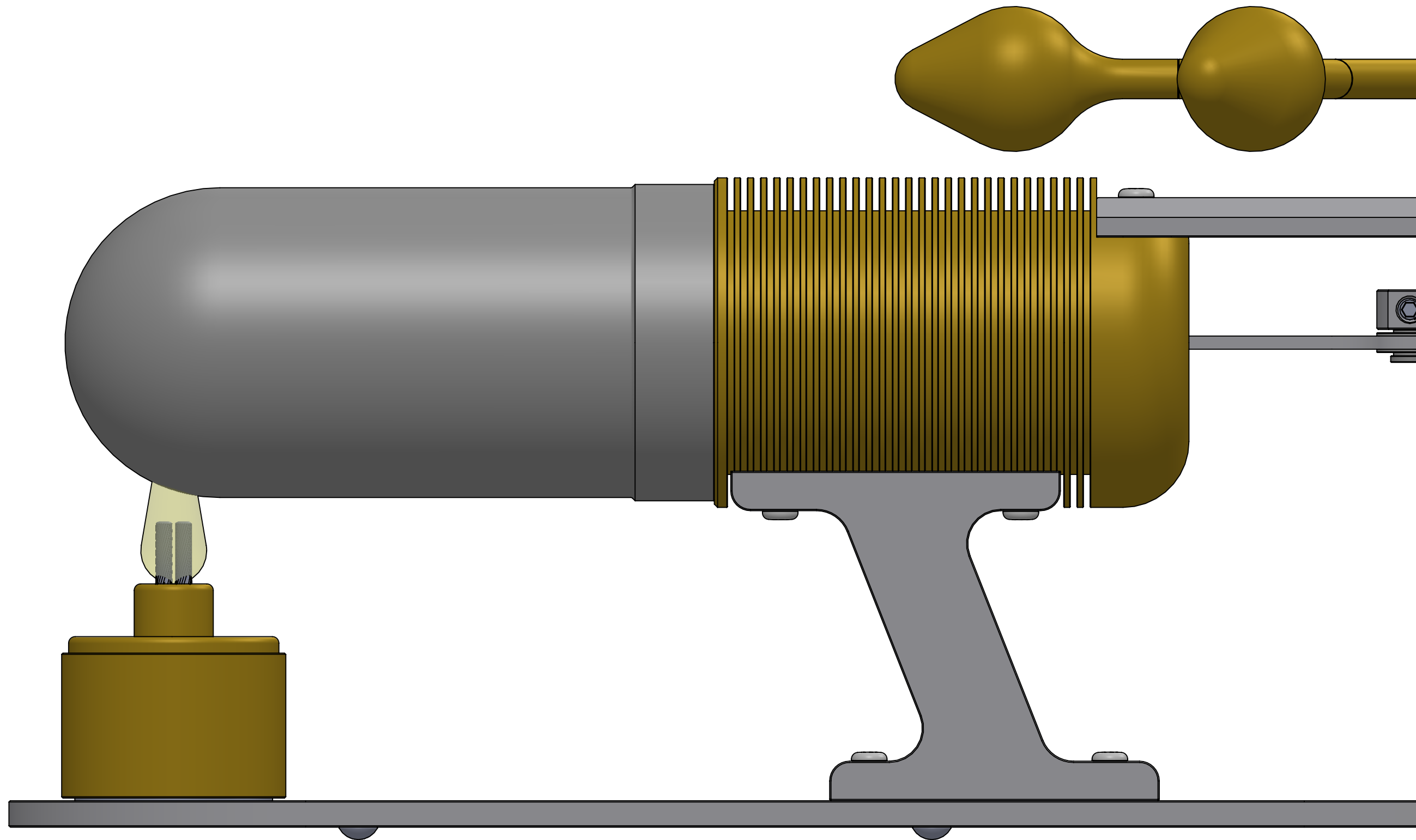


Wait 10-15 seconds for the wicks to draw up some fuel and then light them.

You should get a flame about 20-30mm high.

Attach the burner onto the magnet in the base and position it as shown under the hot cap.

Allow the engine to heat up for 2 minutes before attempting to start it.

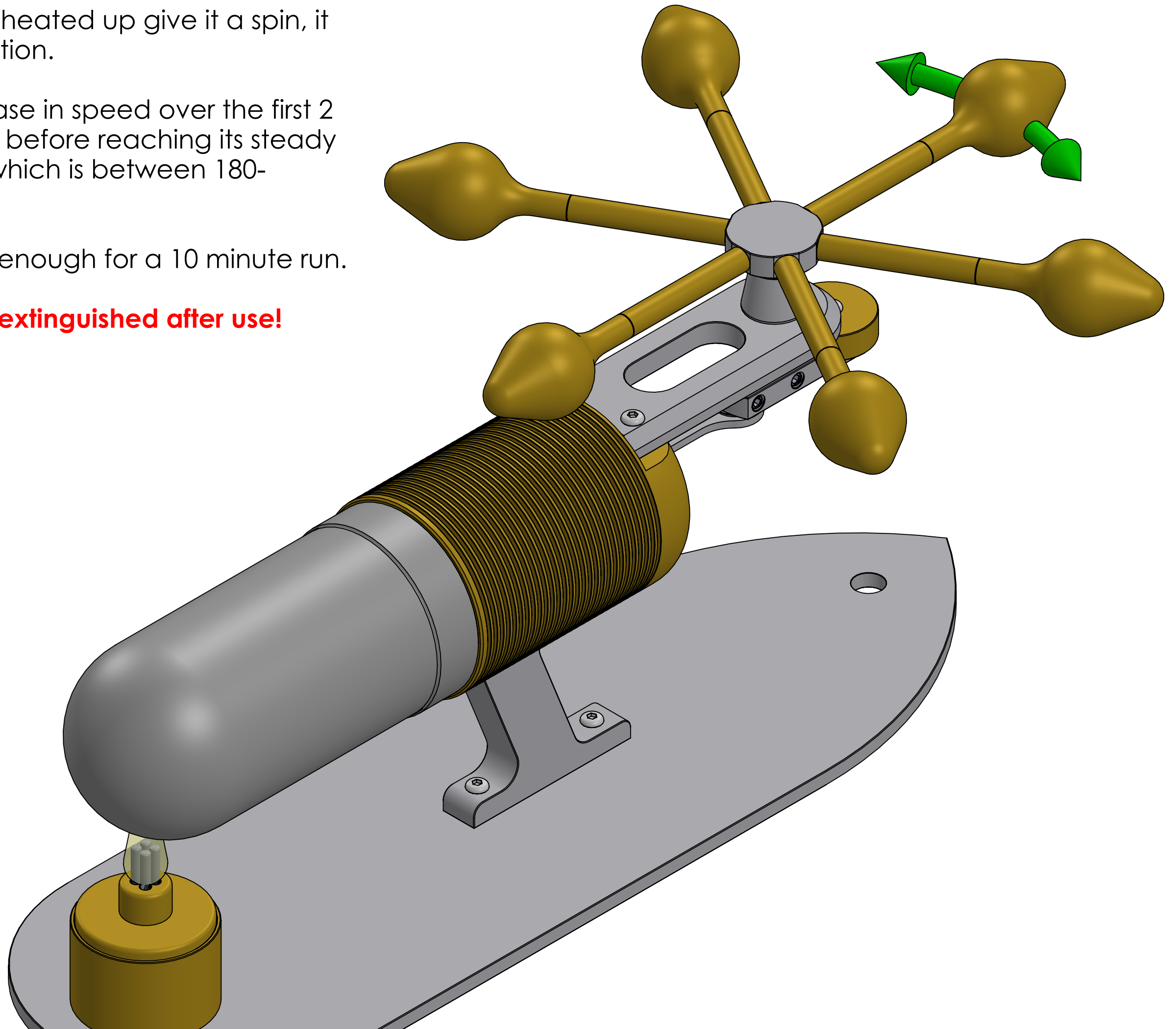


After the engine has heated up give it a spin, it will run in either direction.

The engine will increase in speed over the first 2 minutes of operation before reaching its steady operational speed, which is between 180-250rpm.

There fuel should be enough for a 10 minute run.

Ensure burner is fully extinguished after use!



Maintenance

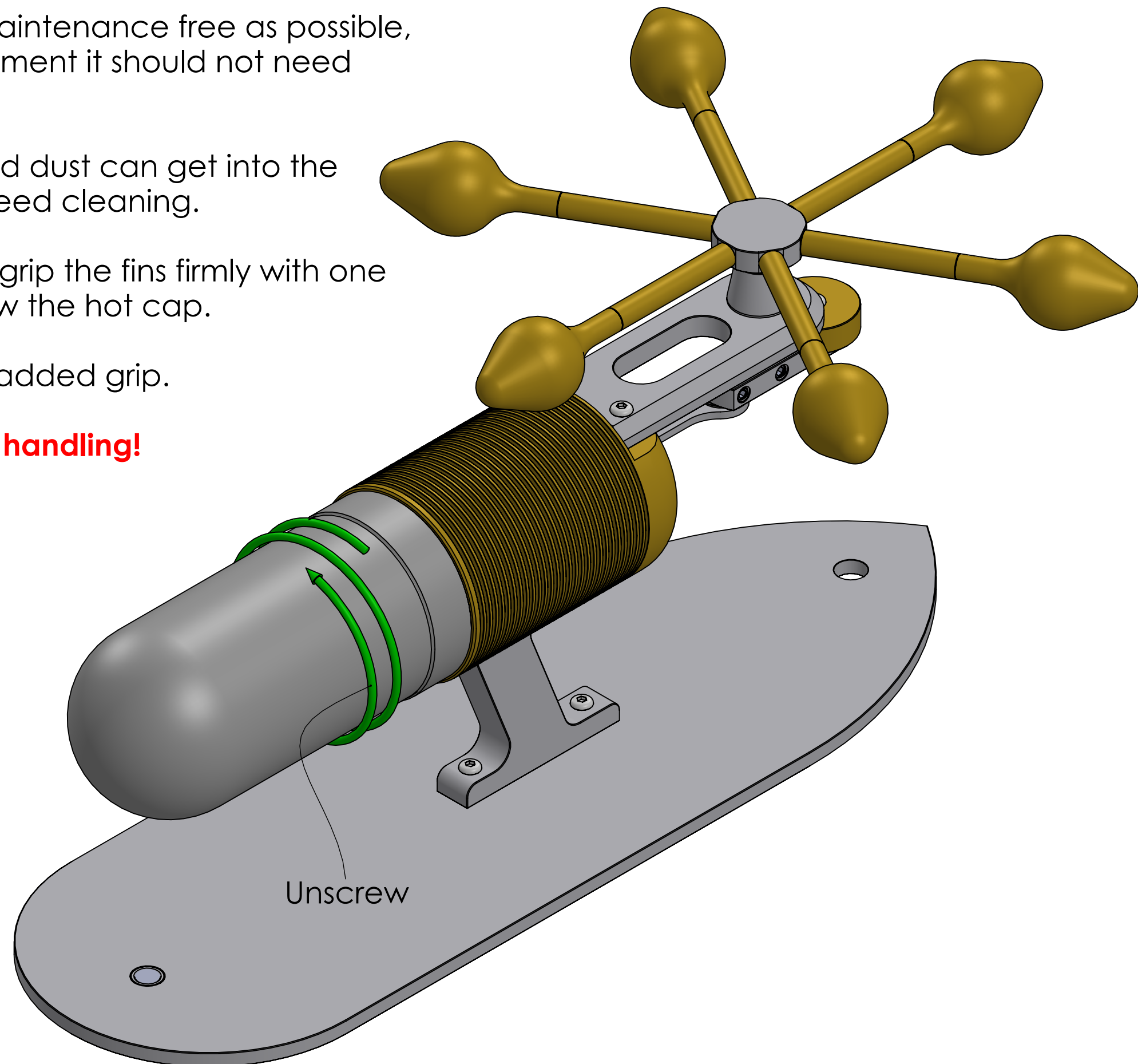
The Flame Pod is designed to be as maintenance free as possible, if it is kept in a clean, dust free environment it should not need any maintenance.

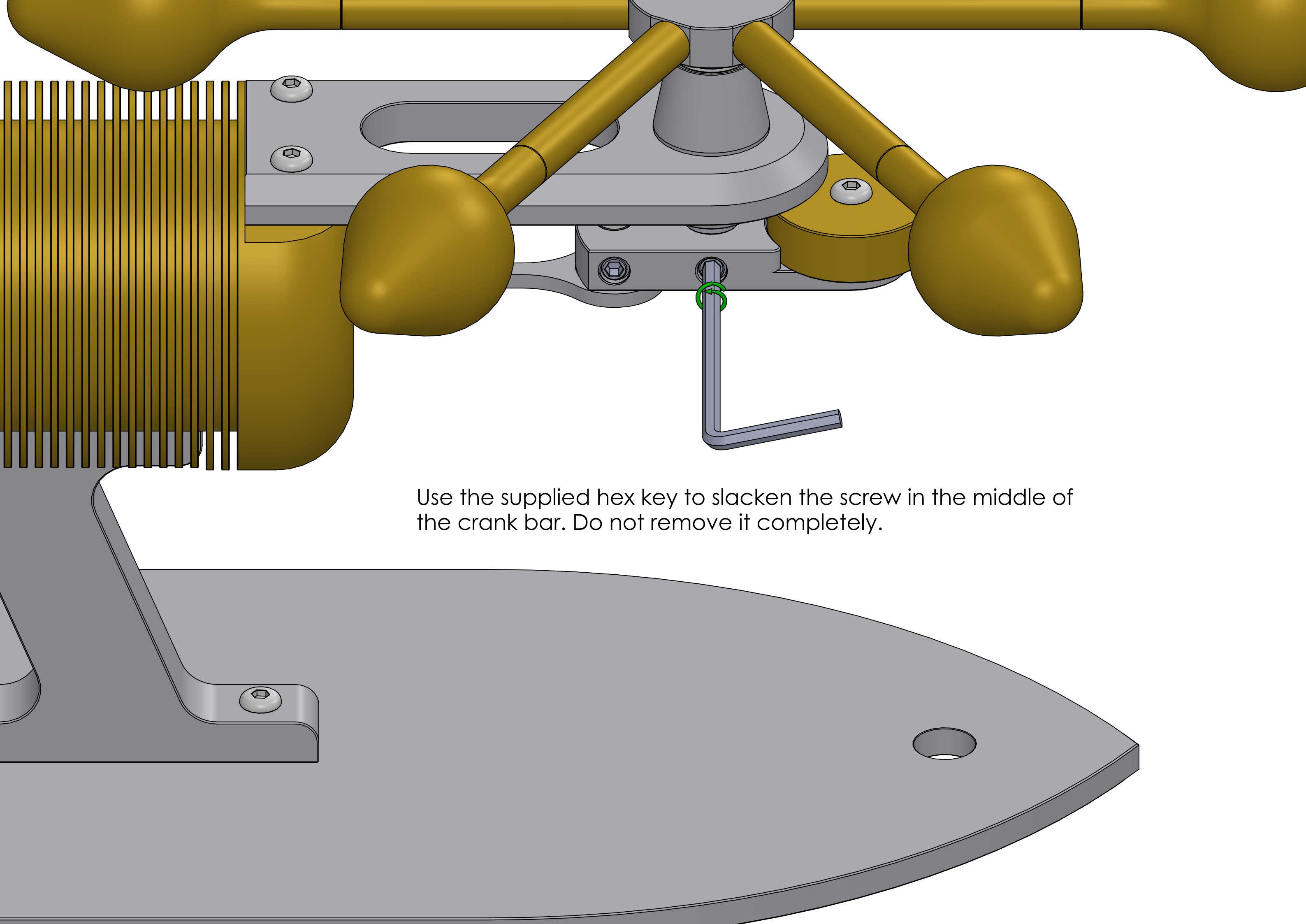
However, sometimes regular household dust can get into the bearings or cylinder and they might need cleaning.

The first step is to remove the hot cap, grip the fins firmly with one hand and with the other hand unscrew the hot cap.

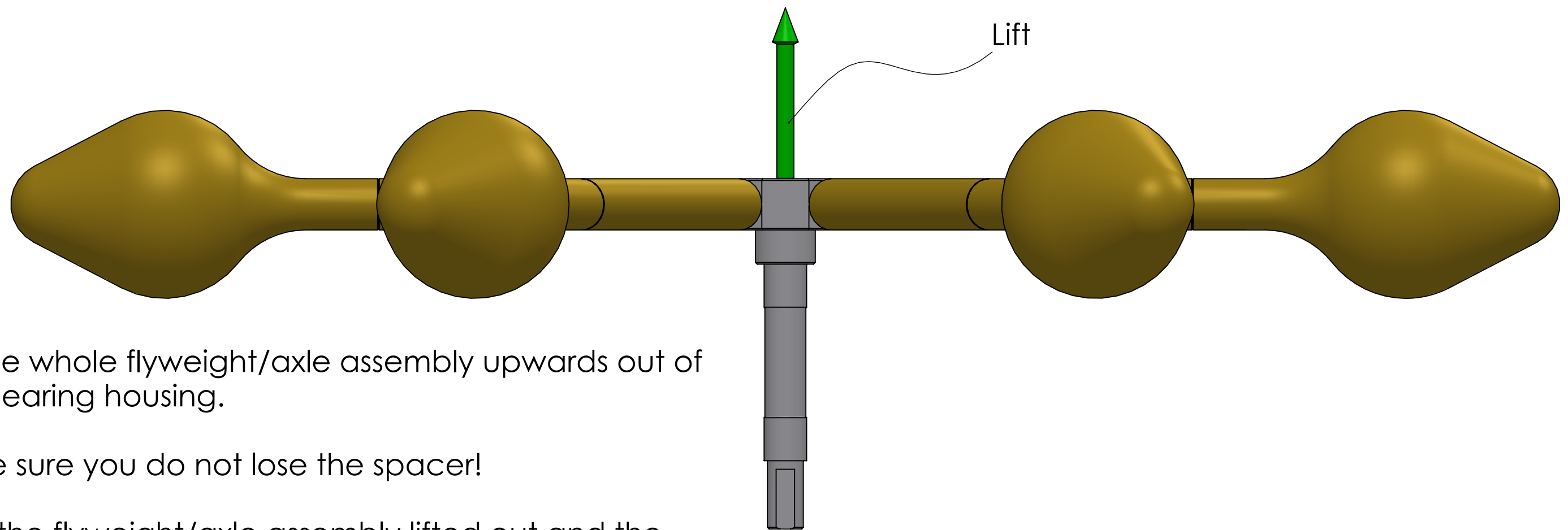
It may help to wear rubber gloves for added grip.

Ensure engine has fully cooled before handling!





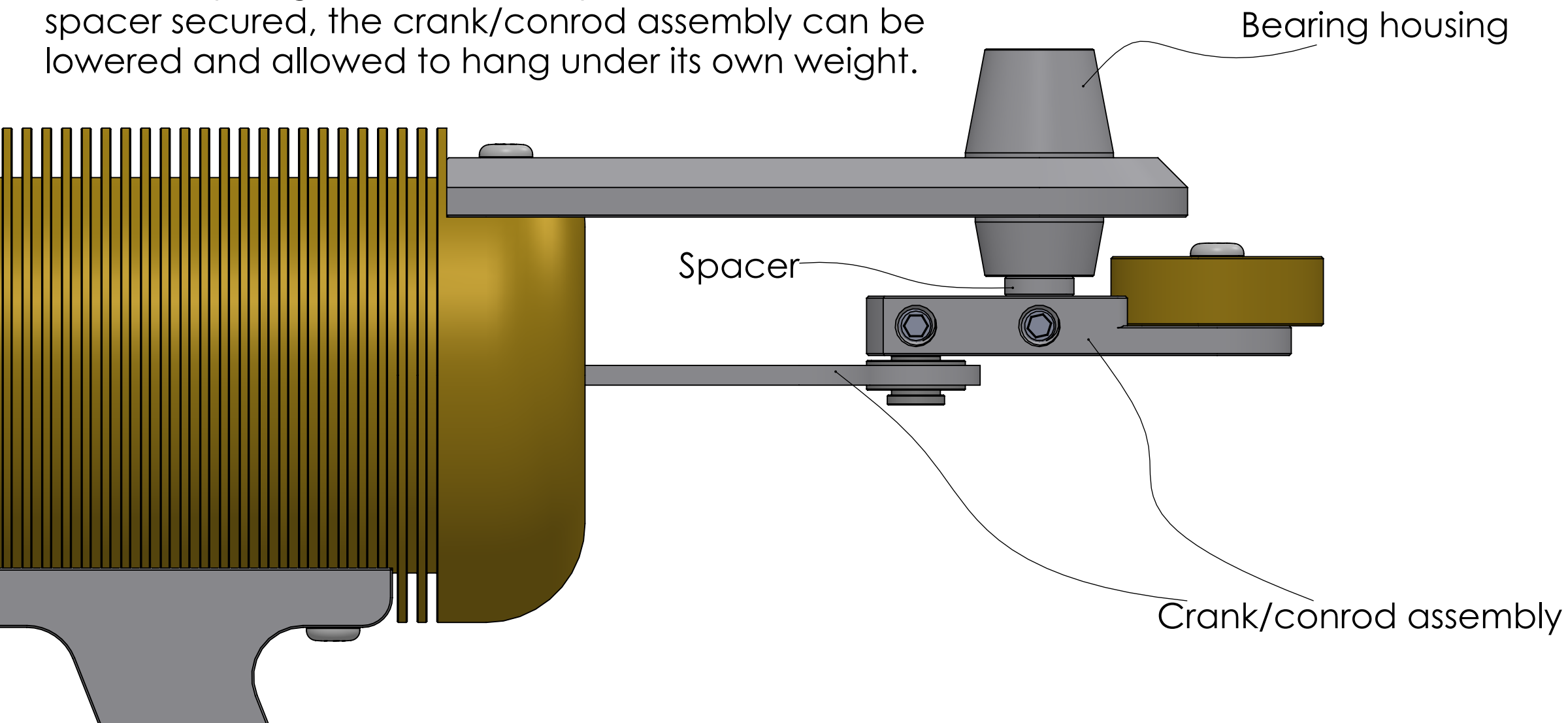
Use the supplied hex key to slacken the screw in the middle of the crank bar. Do not remove it completely.

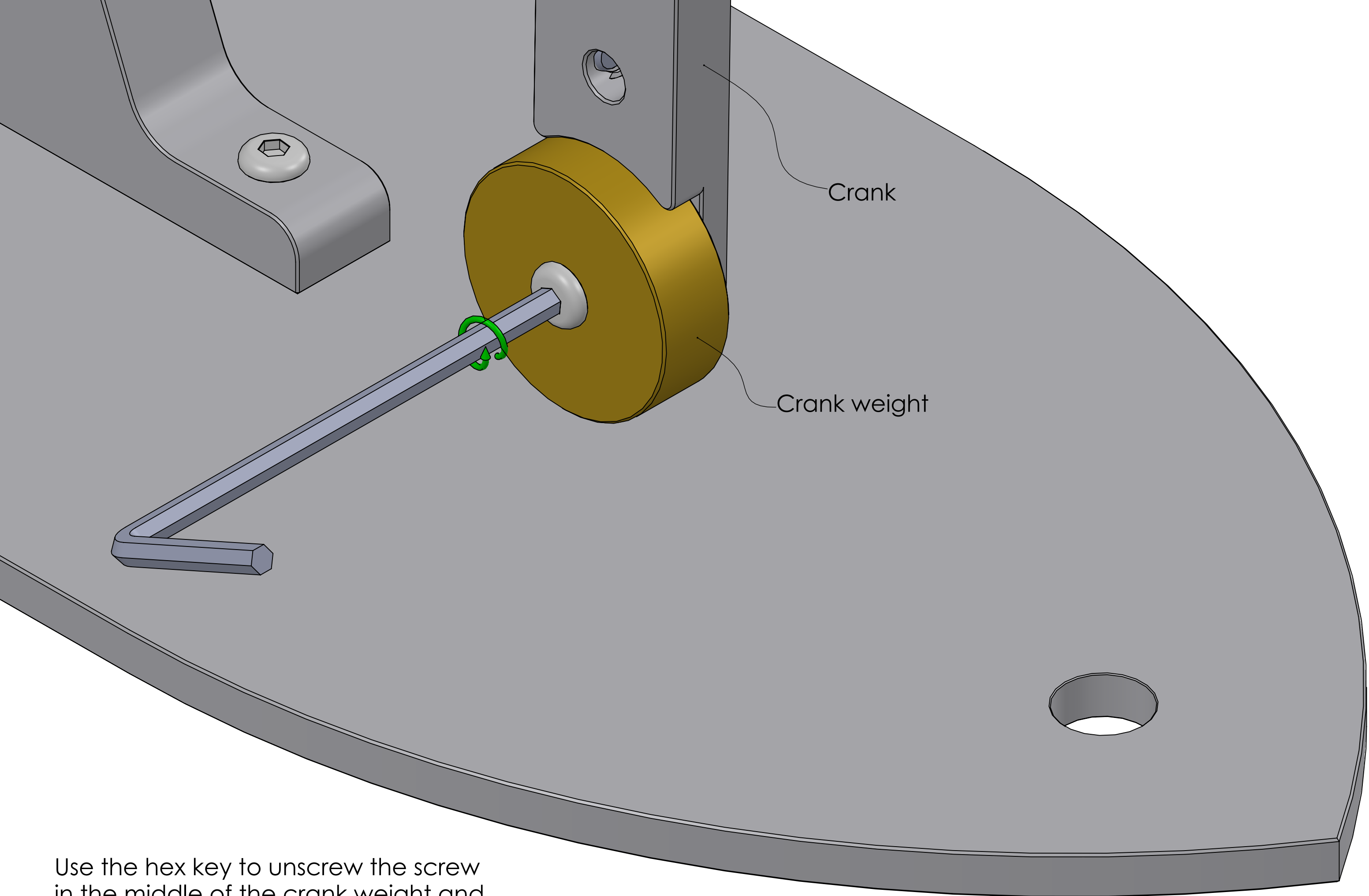


Lift the whole flyweight/axle assembly upwards out of the bearing housing.

Make sure you do not lose the spacer!

With the flyweight/axle assembly lifted out and the spacer secured, the crank/conrod assembly can be lowered and allowed to hang under its own weight.



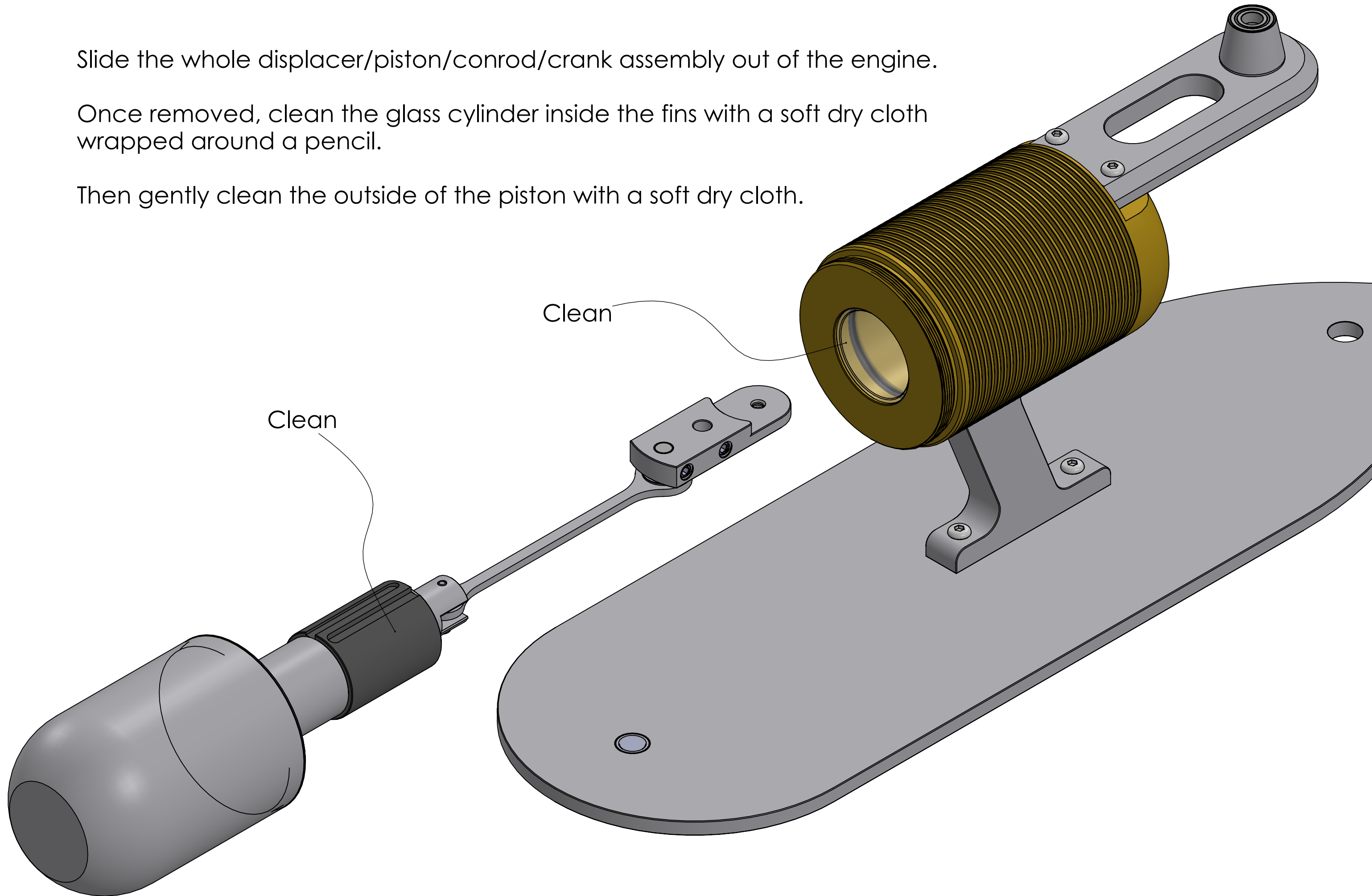


Use the hex key to unscrew the screw in the middle of the crank weight and remove it.

Slide the whole displacer/piston/conrod/crank assembly out of the engine.

Once removed, clean the glass cylinder inside the fins with a soft dry cloth wrapped around a pencil.

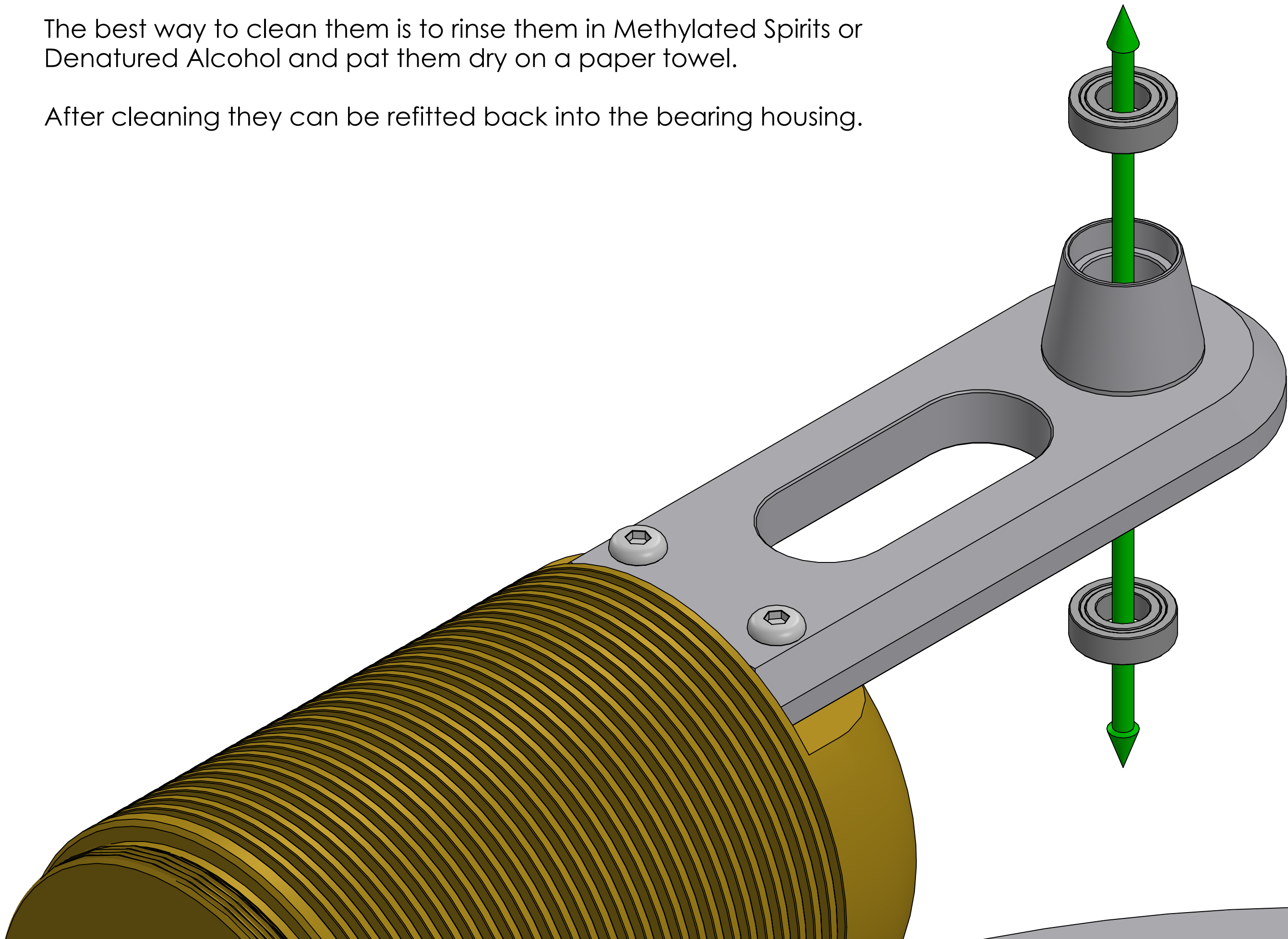
Then gently clean the outside of the piston with a soft dry cloth.

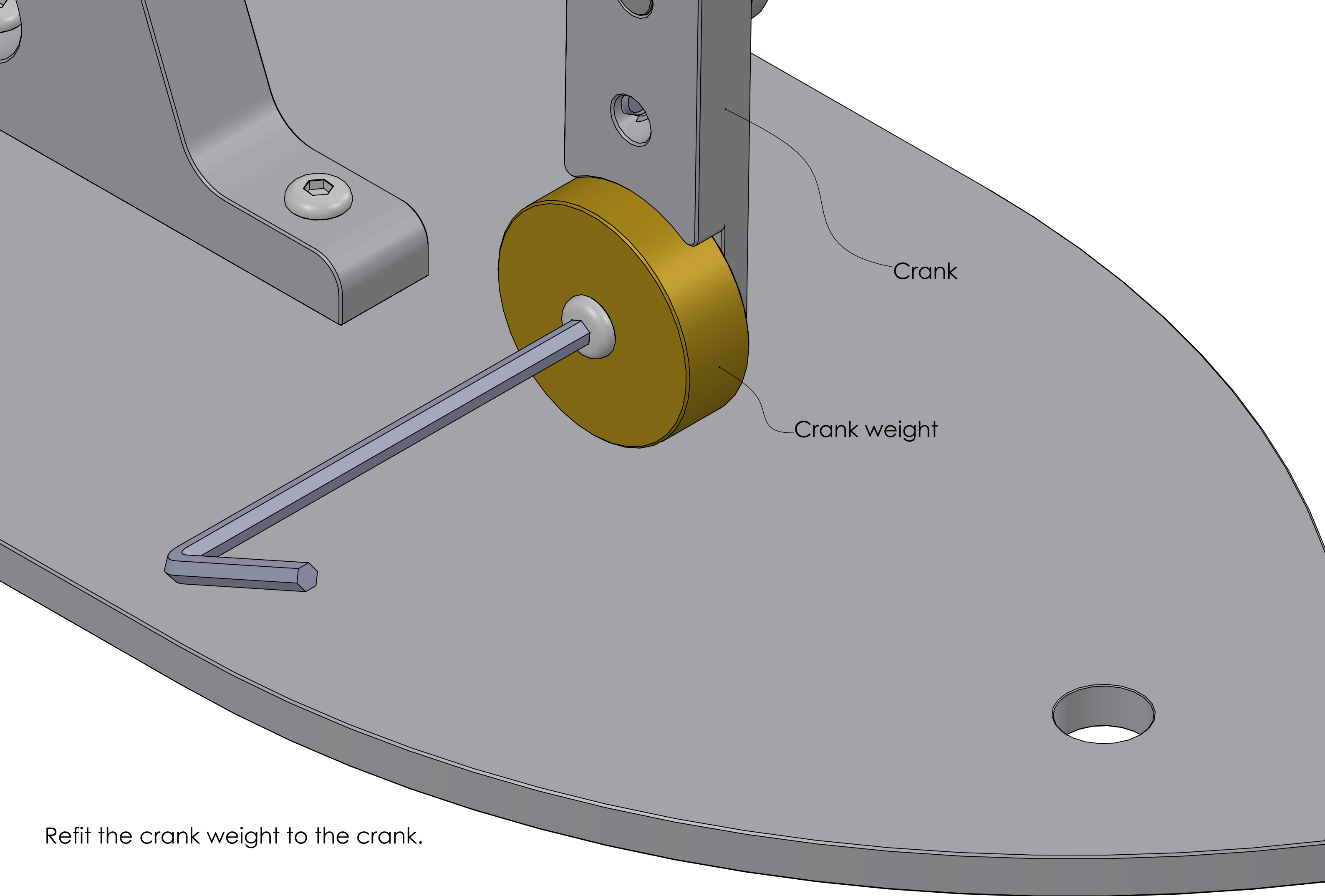


Remove the bearings and clean them.

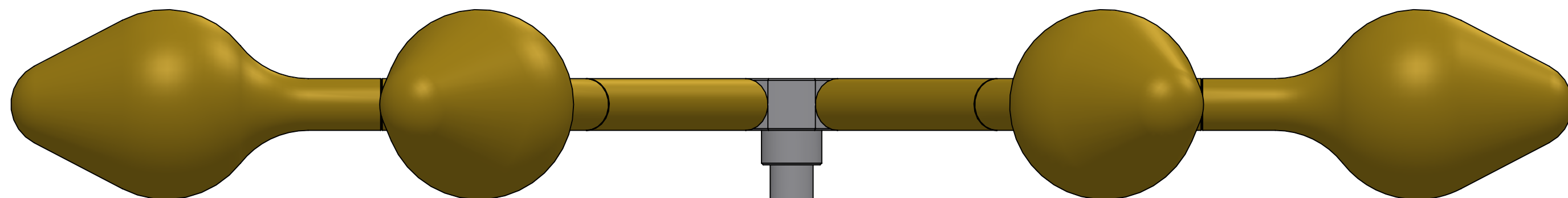
The best way to clean them is to rinse them in Methylated Spirits or Denatured Alcohol and pat them dry on a paper towel.

After cleaning they can be refitted back into the bearing housing.



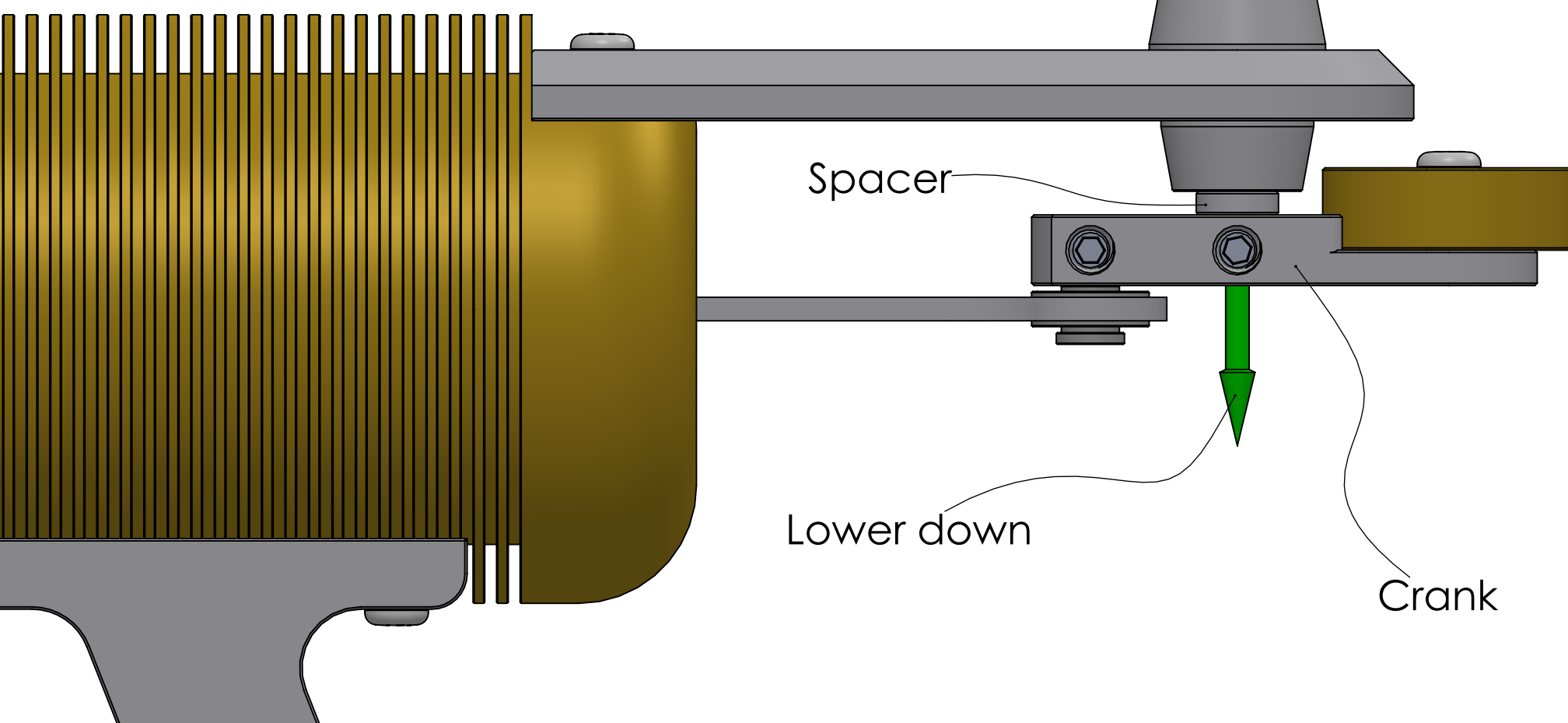


Refit the crank weight to the crank.



Lower the flywheel down through the bearings in the bearing housing, through the spacer, into the crank.

Note the flat section on the axle.



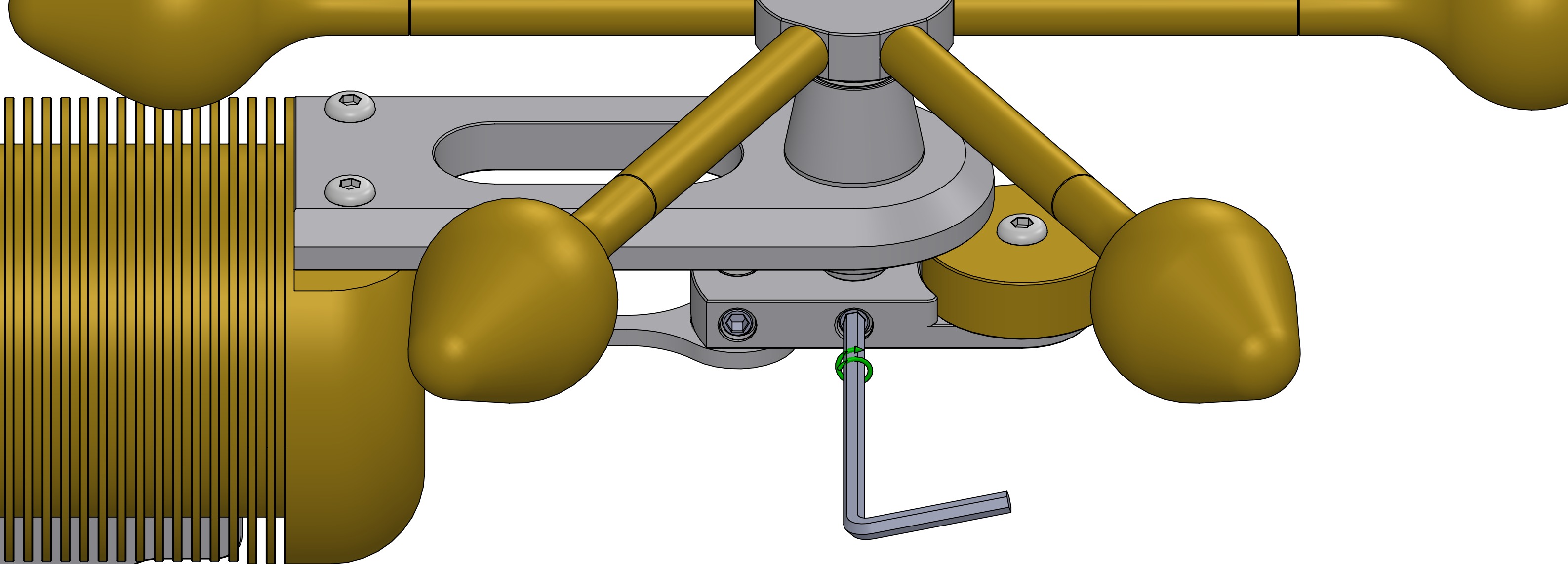
Flat section

Bearing housing

Spacer

Lower down

Crank



Tighten the crank screw onto the flat section on the axle.

