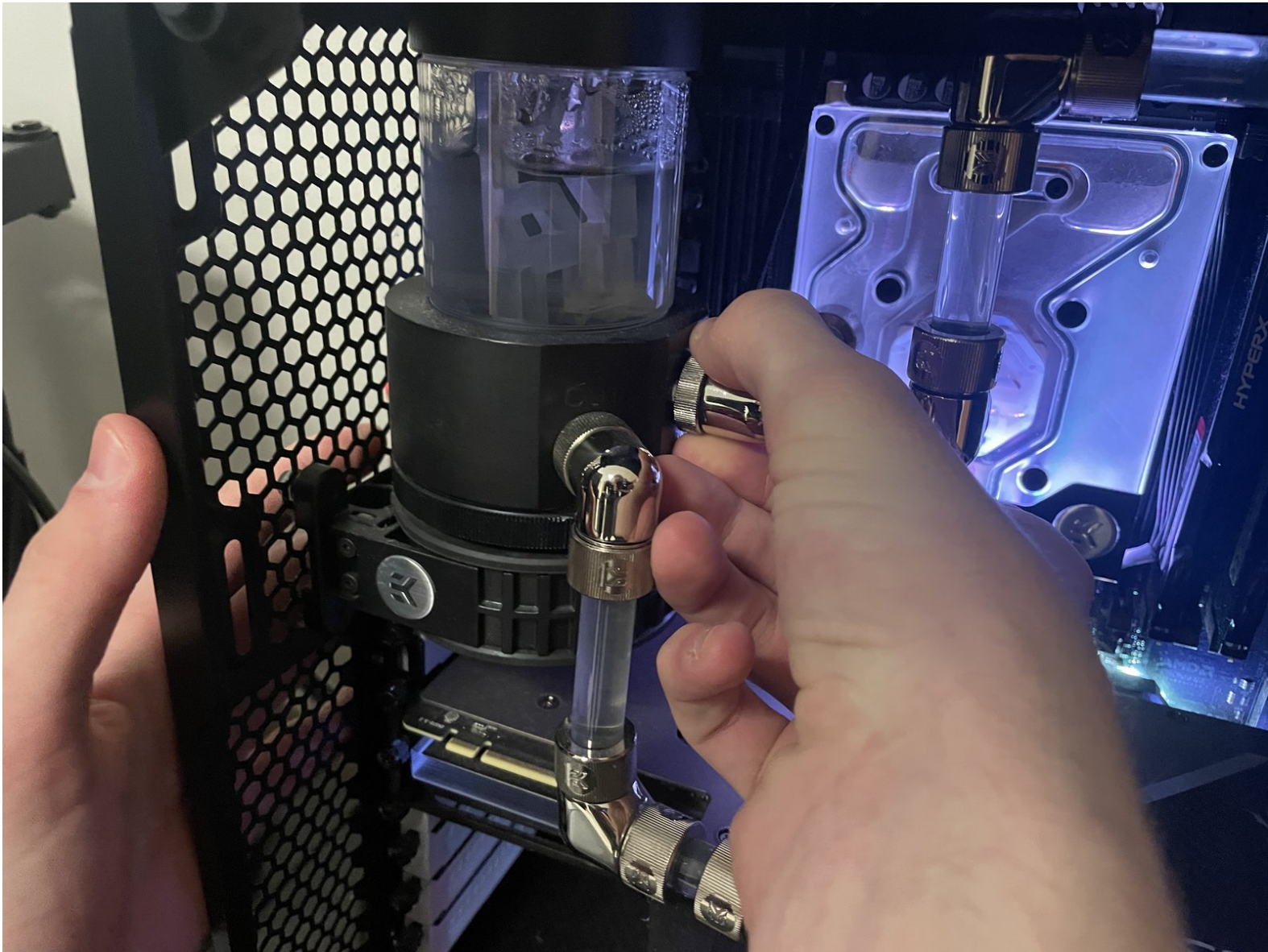




# D5 Pump Impeller Replacement

Replace a damaged or faulty D5 aquarium pump impeller without having to buy a new pump.

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## INTRODUCTION

This guide focuses on how to replace a D5 Pump Impeller in your aquarium with a few additional tools. The impeller is the part of the pump that is spun to move water. Over time, the pump impeller's contact point can wear down and the impeller can get stuck. This is usually characterized by a screeching or grinding noise and no water flow.

Step 1 will require you to drain a water-cooling loop in order to access the pump. Since every loop is unique, it is untimely to include a guide for this. However, guides on how to drain water-cooling loops can be found easily on websites like YouTube. If you do not already have this prerequisite knowledge, then it is recommended that you learn before starting this guide.

Regardless, ensure that your system is disconnected from power before beginning.



### TOOLS:

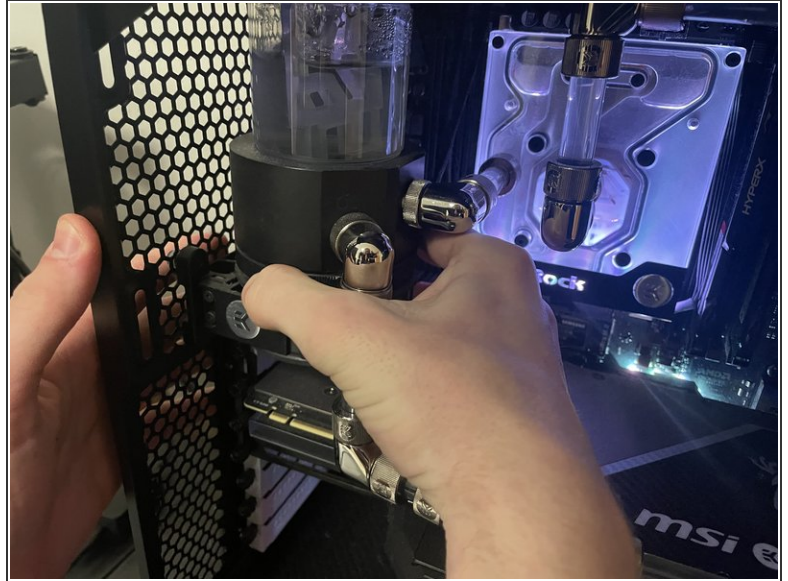
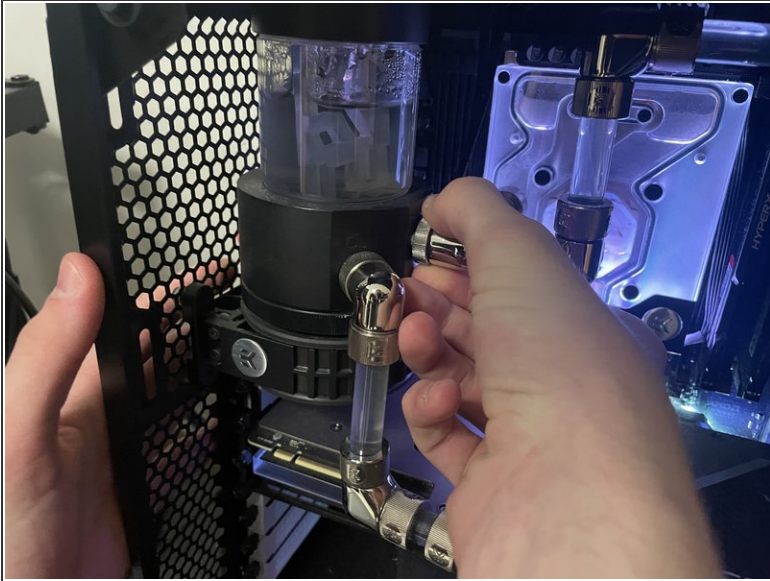
- [Q-Tips](#) (1)
- [Shop Towels or Rags](#) (1)



### PARTS:

- [D5 Impeller](#) (1)

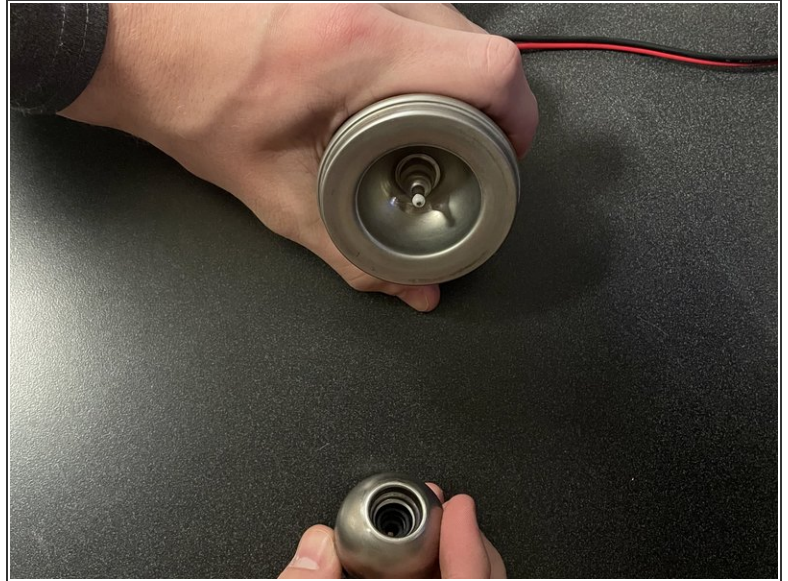
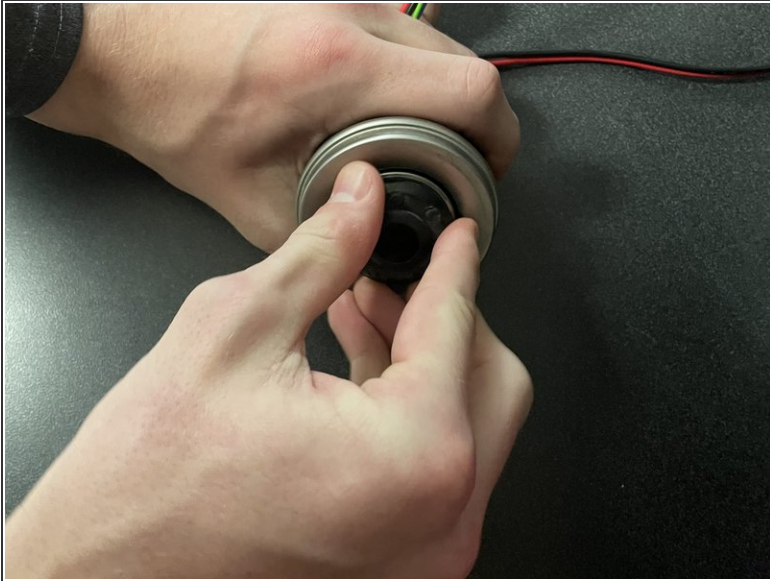
## Step 1 — Impeller



- Drain your water-cooling loop and disconnect any fittings.
- Grasp the retaining ring and twist counter-clockwise to free the pump from the housing.

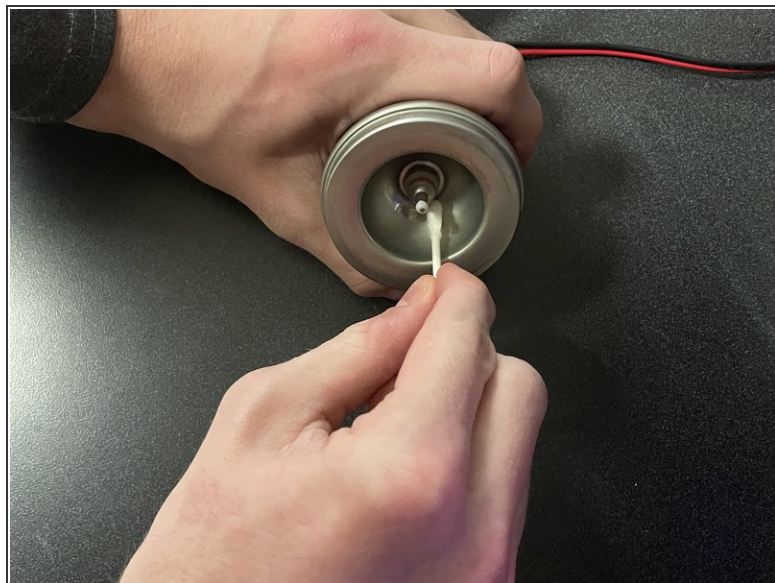


## Step 2



- After the pump has been removed, grasp the impeller and rotate it. If it has any resistance, a replacement is necessary.
- Firmly hold the impeller and pull. It will take some force to remove.

### Step 3



- After the impeller has been removed, use a cloth to clean any debris.
- Use a cotton swab to clean any gunk or residue from tight spaces.

 Not cleaning the pump before installing a new impeller can cause it to fail.

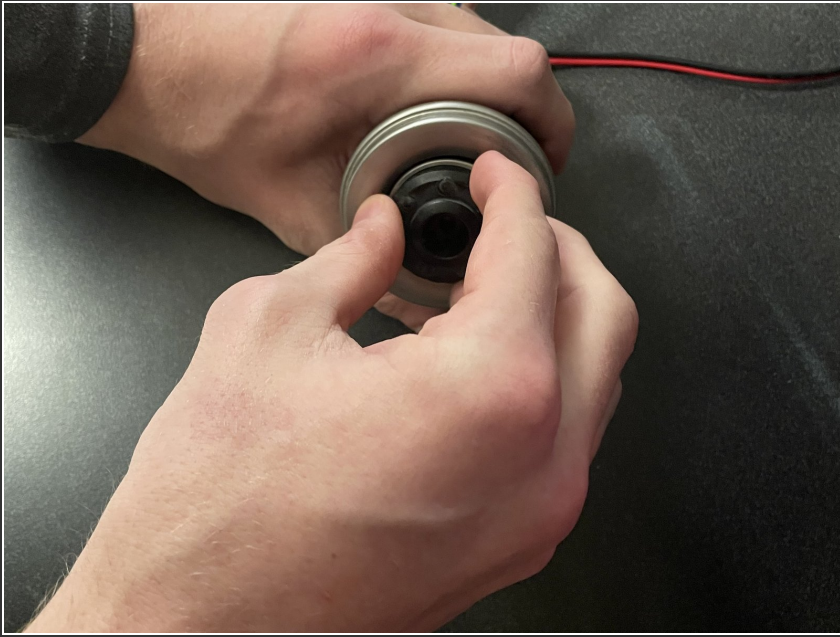
### Step 4



- Place the new impeller into the pump body by dropping it in. This doesn't require any force.



## Step 5



- Manually test your impeller by pressing down and rotating it.

**⚠** If there is any resistance, turning it on could damage the new impeller. Ensure that it was thoroughly cleaned.

## Step 6



- Visually inspect your impeller. It should be parallel to the pump.

**i** If the impeller is lopsided, remove it and ensure that there is no debris blocking the installation.

To reassemble your device, follow the first step in reverse.