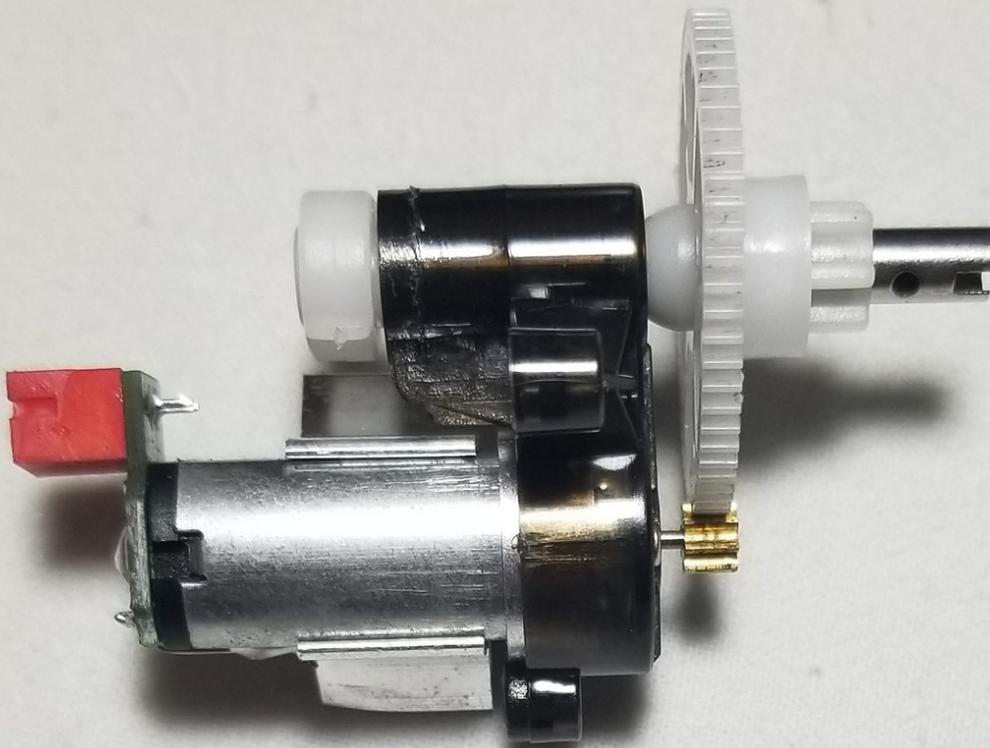




# UDI U842 Quadcopter DC Motor Replacement

Propeller motor replacement guide for the UDI quadcopter. Counterclockwise and clockwise motors are U842(Wifi)-03 and U842(Wifi)-04 DC motors, respectively.

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## INTRODUCTION

The DC motors which power the propellers are relatively easy to break. Fortunately, they are also relatively easy to replace. By purchasing a cheap U842 motor (either U842-03 or -04 for counterclockwise and clockwise motors respectively) and following these simple instructions, your drone will be flying again in no time.

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### TOOLS:

- [Phillips #0 Screwdriver](#) (1)

## Step 1 — Bottom Light



- To open up the motor housing, first remove the bottom light by unscrewing,
  - One 6mm Phillips screw.

## Step 2 — Propeller Bumper



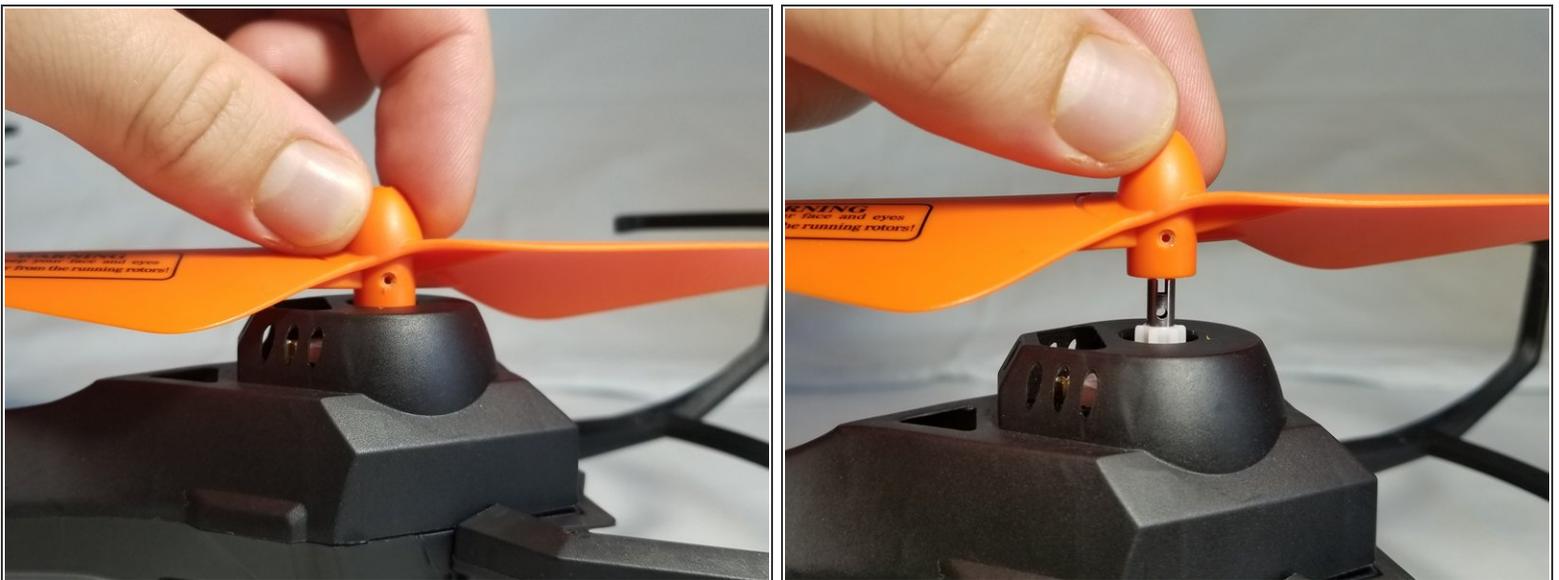
- Unscrew the single propeller bumper screw on the outside of the of the motor housing.

### Step 3



- Push up on each of the two tabs that connect the bumper to the bottom casing.
  - Slide the bumper up off of the drone.
- i** The propeller is not shown in these photos because the steps for removing the bumper and the propeller are interchangeable. Choose whichever sequence feels most comfortable!

### Step 4



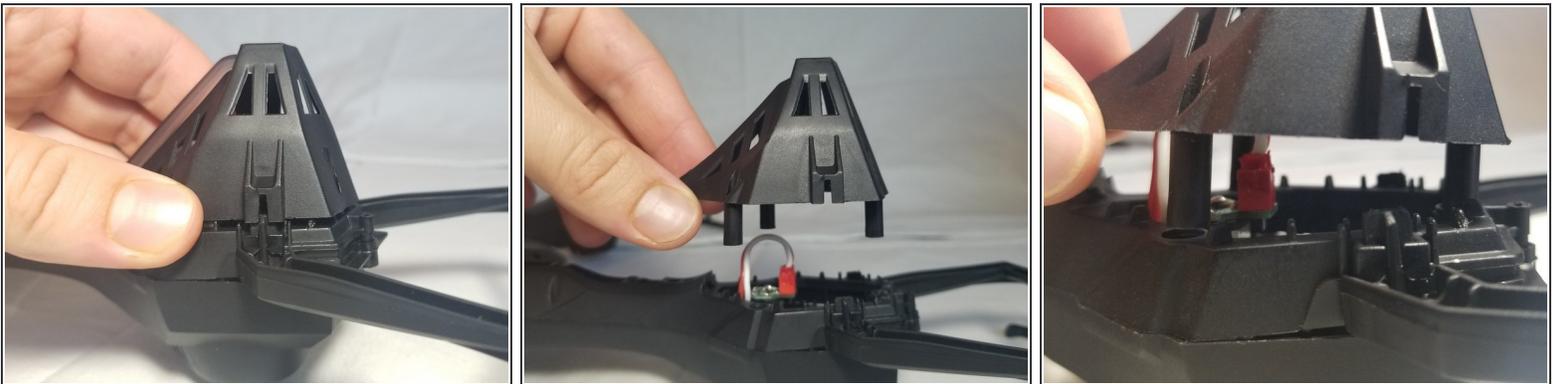
- To remove the propeller, first unscrew the propeller set screw.
- Next, slide the propeller up off the motor gear shaft.

## Step 5 — Motor Casing Screws



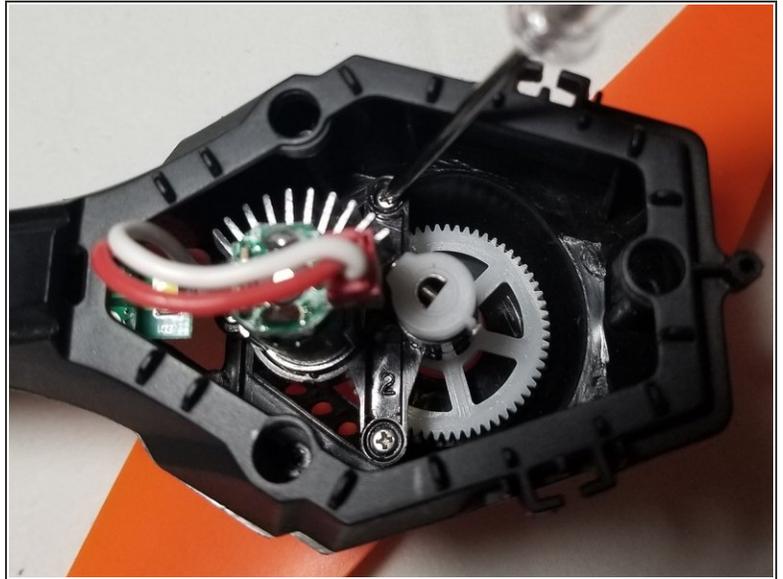
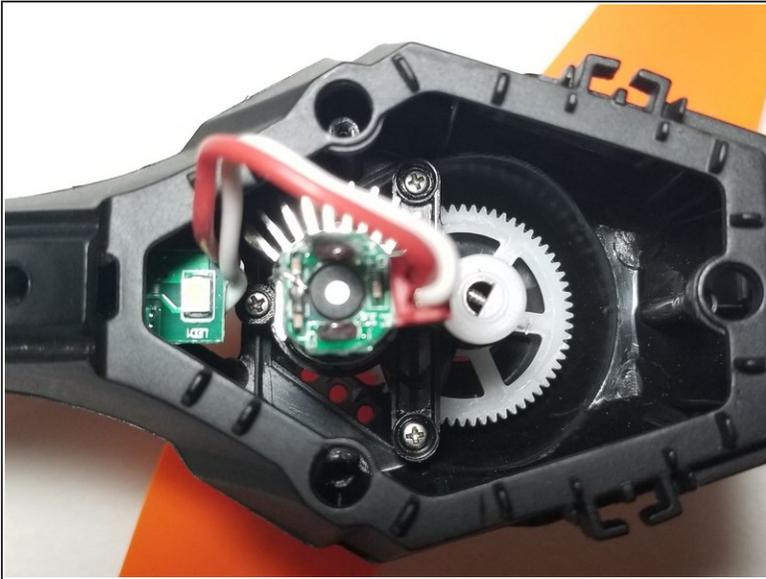
- Unscrew the three screws on the perimeter of the motor casing.
  - Three 6mm Phillips screws.

## Step 6 — Motor Casing



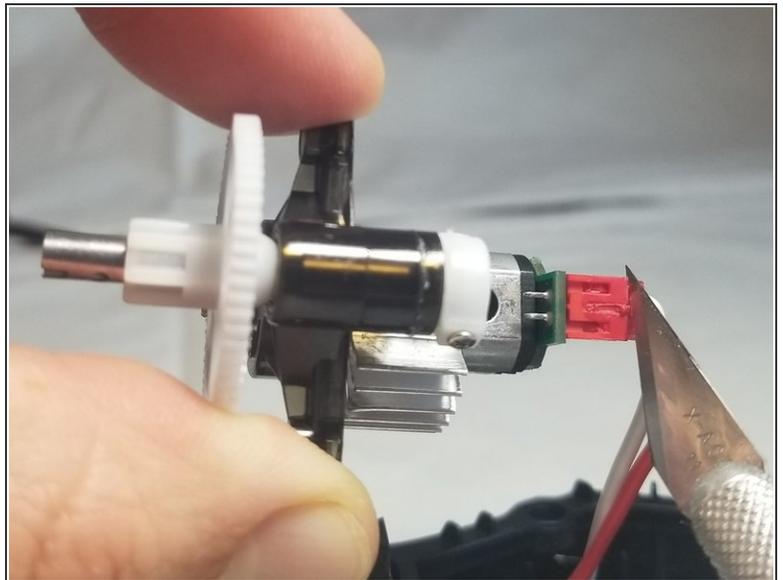
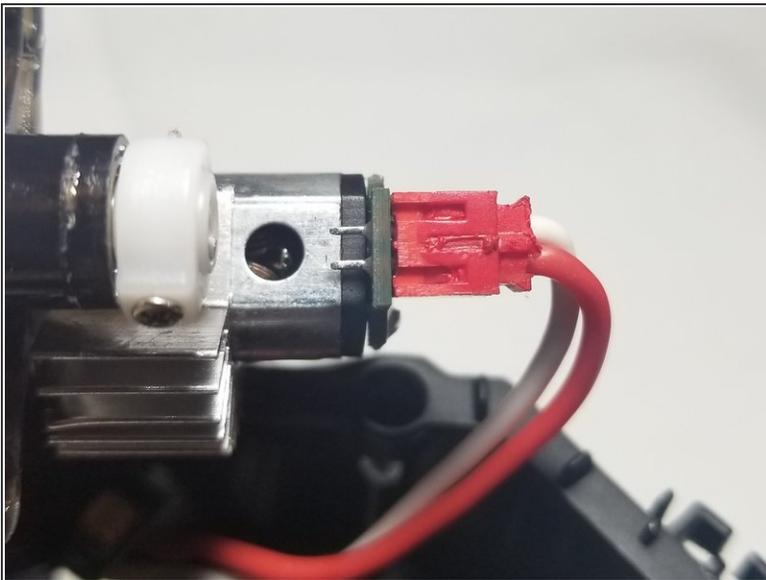
- Remove the motor casing by pulling up on the edges of the prismatic housing.
- ⚠ The casing may require heavy force to remove. Be cautious to avoid breaking the mating pins (shown up close in the third picture).

## Step 7 — Motor Mounting Screws



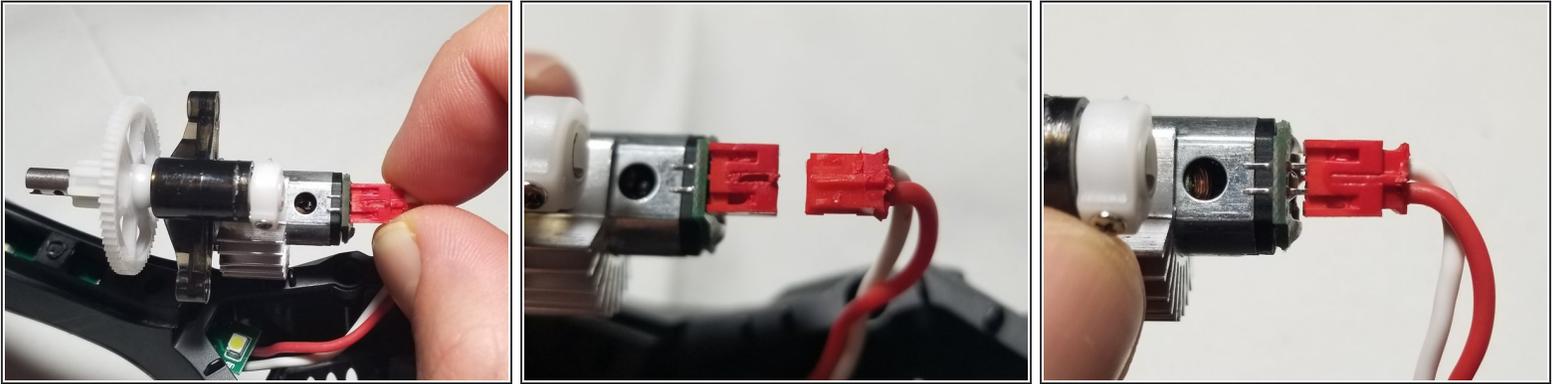
- Remove the three motor mounting screws.
- Three 6mm Phillips screws.

## Step 8 — Detach Motor Cable



- ⓘ The motor-cable plug appears to be covered in a waxy sealing material.
- Use a thin blade or an X-ACTO knife to slice along the bottom of the wax to free the plug.

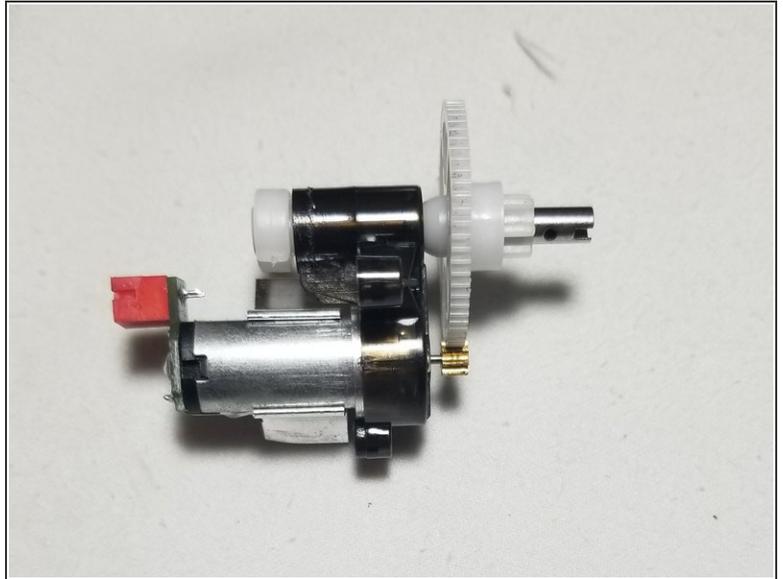
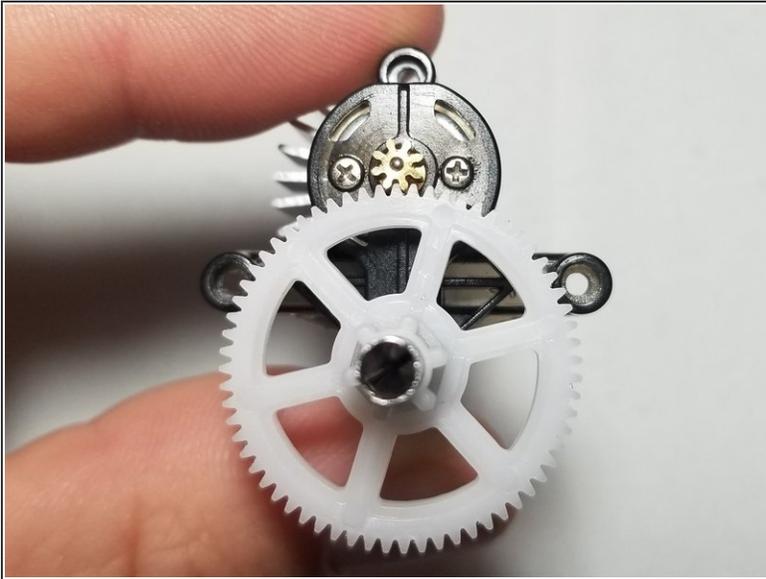
## Step 9



- Detach the motor cable by pulling outward and gently wiggling the plug.

**⚠** Be careful to avoid pulling off the board-mounted connector, as shown in the third photo. If the connector starts to come loose, just press it back down and it will snap into place.

## Step 10



- Unscrew the two mounting bracket screws on the front of the motor.
- To purchase replacement parts,
  - [Clockwise motors are available here](#)
  - [Counterclockwise motors are available here](#)
  - [Motor gear assembly is available here](#)

To reassemble your device, follow these instructions in reverse order.