Ryobi RJ1861V Motor Replacement

How to replace a Ryobi RJ1861V. motor

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INTRODUCTION

This replacement guild will should how to replace the motor in the Ryobi RJ1861V.

🔧 TOOLS:

- Mako Driver Kit - 64 Precision Bits (1)
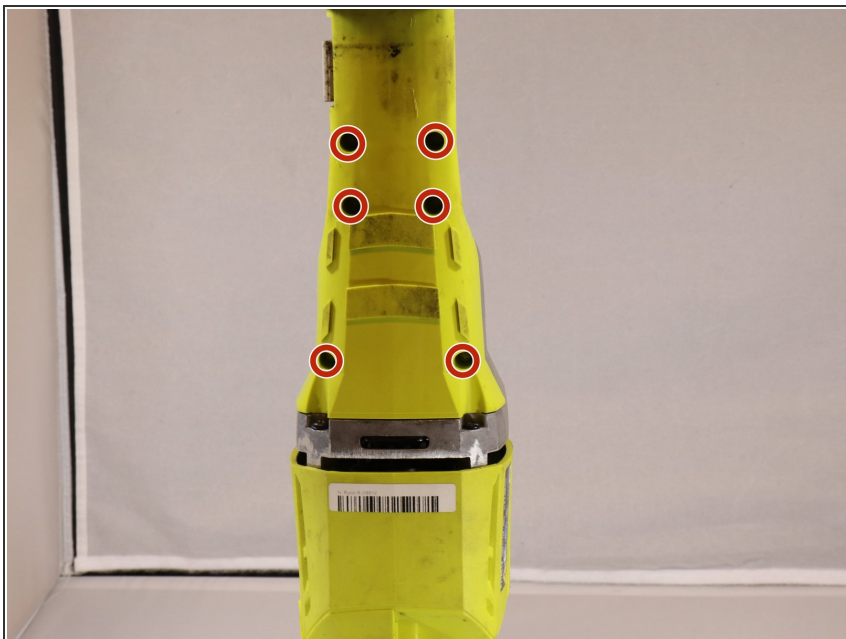
Step 1 — Saw Bar Assembly

- Unscrew the screw holding the shoe in on the back side:
  - One 8 mm Torx T5 screw

Step 2

- Begin to remove rubber sleeve. You may have to use some force as it has a tight fit.

- Indicated in the photo below is the rubber sleeve removed.
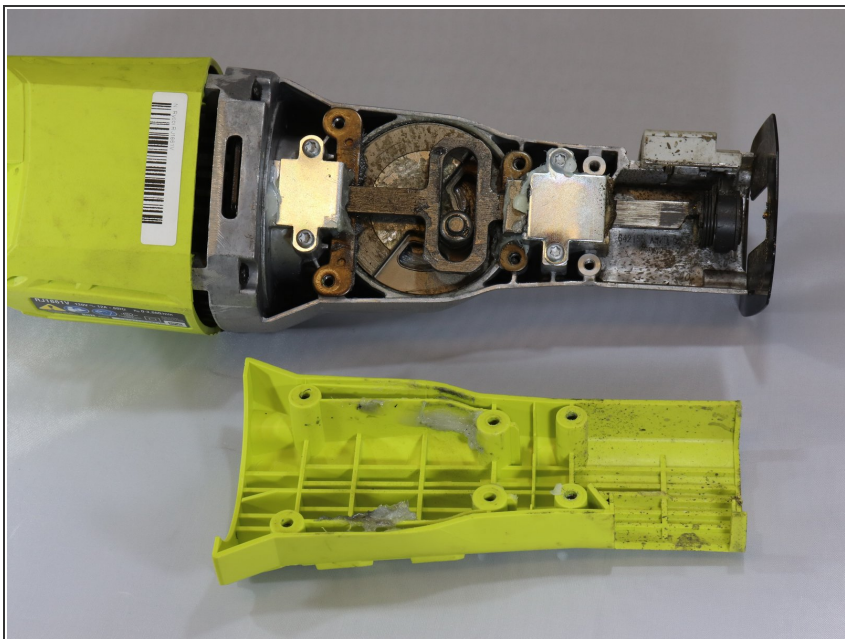
Step 3

- After sleeve is removed begin to remove the six screws on the back of the device.

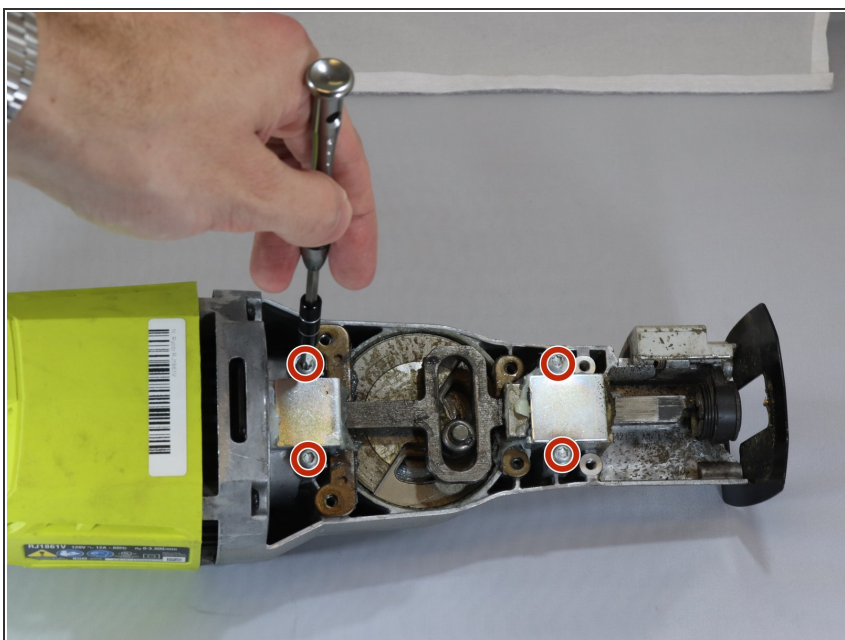- Six Torx T5 Screws

Step 4

- Using a screw driver begin to unscrew the 4 screws on the top. There will be two screws on each side of the device.

  - Four Torx T5 Screws

Step 5

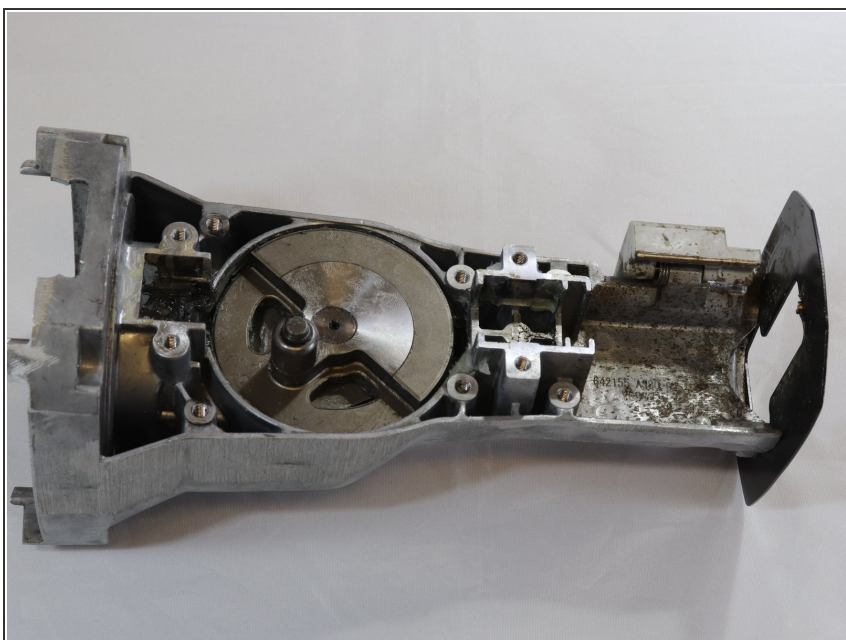- Remove the backside panel to expose the internal components.

Step 6

- Unscrew the four T5 Torx screws that are holding the assembly bar in place.
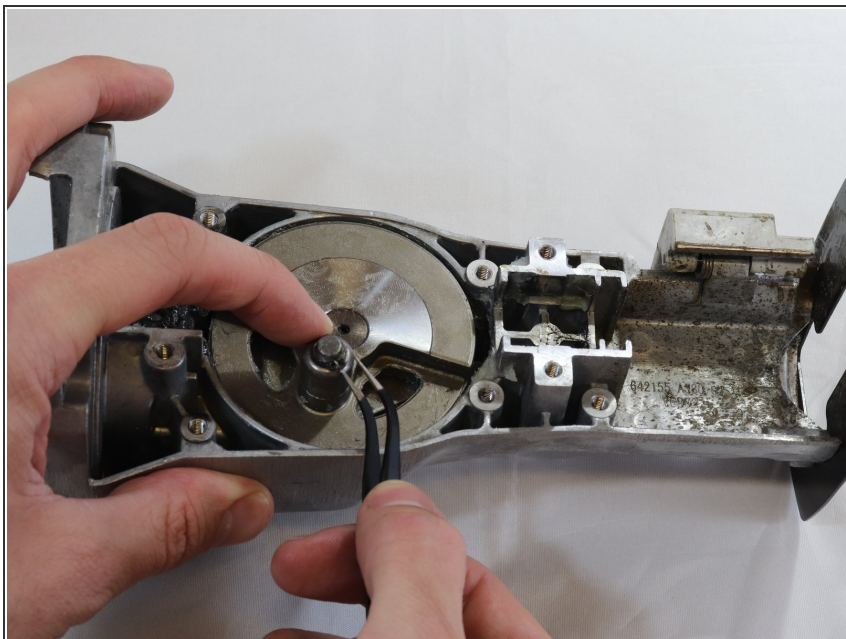
Step 7

- After all screws removed, the assembly bar can be removed and replaced with ease.
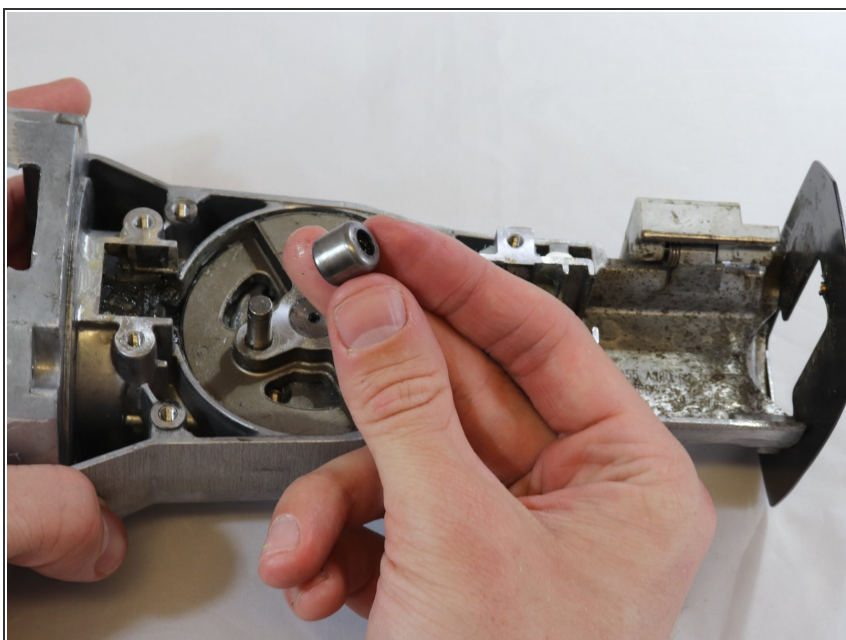
Step 8 — Assembly Bar Bearing

- Begin with the top of the device facing up.

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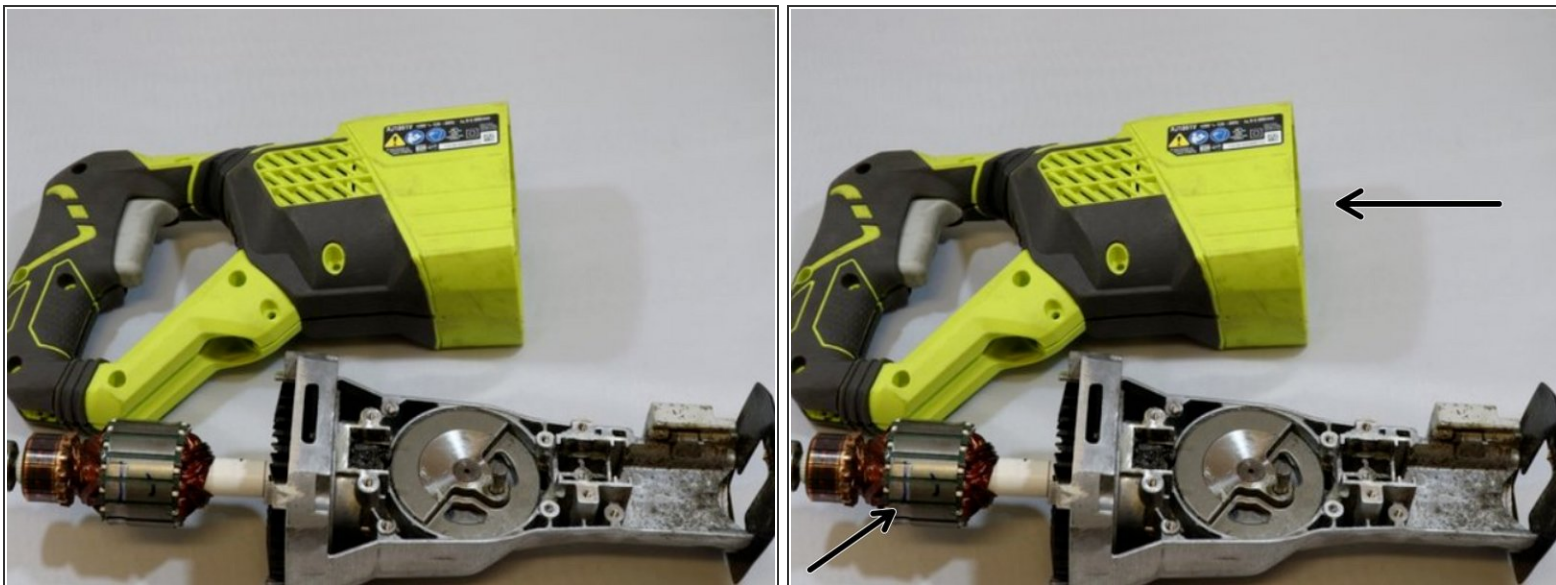© iFixit — CC BY-NC-SA　　　　　　　　　　www.iFixit.com　　　　　　　　　　Page 6 of 10

Step 9

- Insert needle nose pliers to remove the retaining pin at the top of the bearing.

Step 10

- Once the retaining pin has been removed, pull off the damaged bearing and insert a new one.
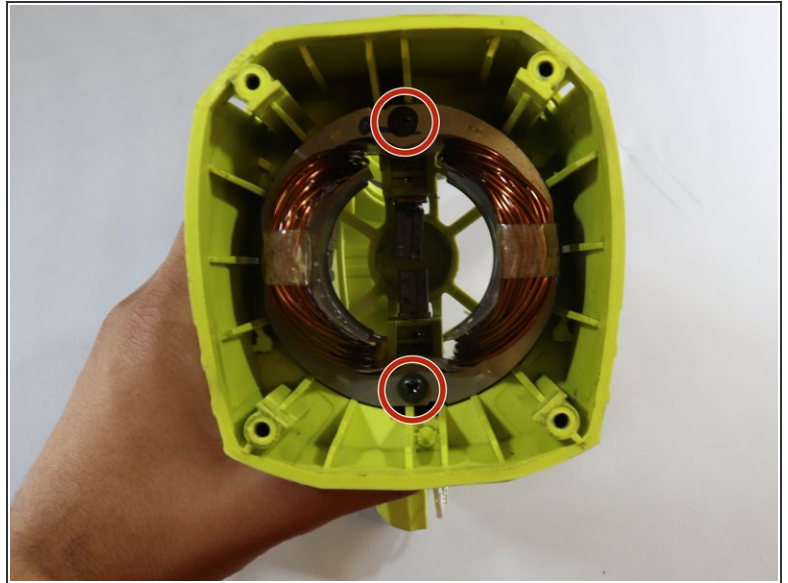
Step 11 — Motor

- The motor is divided into two section which are the back and front.
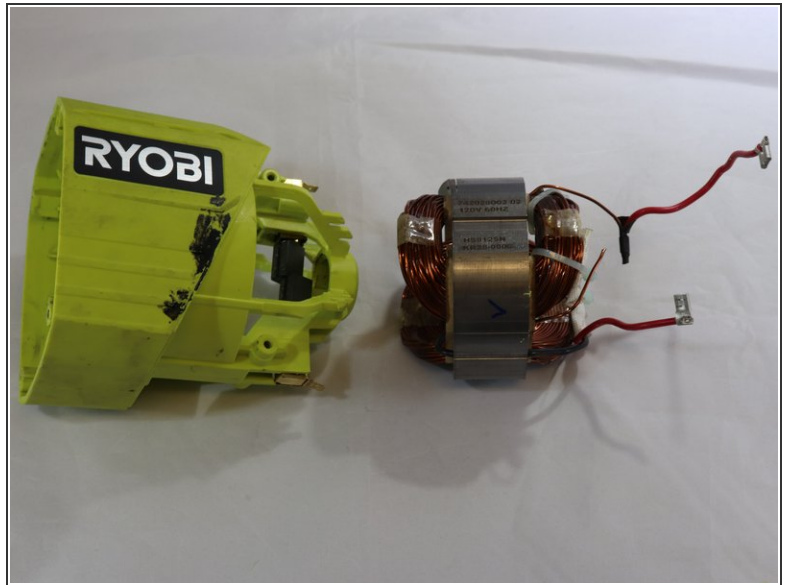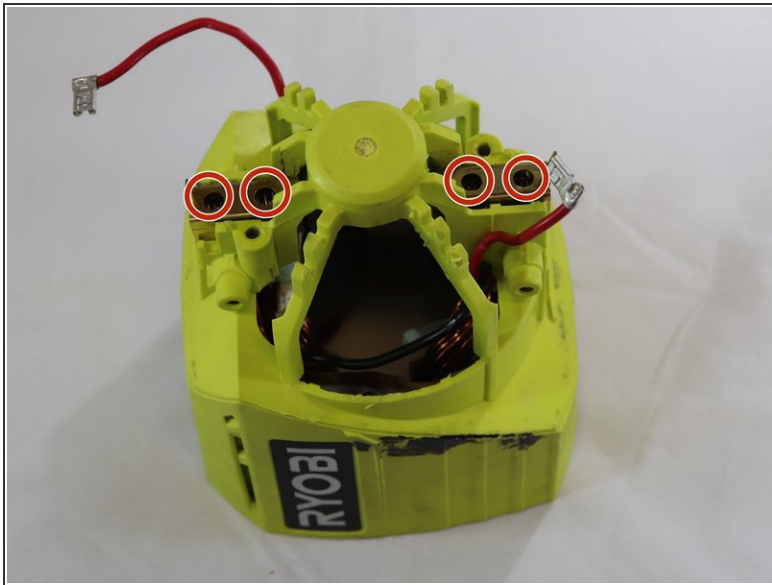 - The arrows indicate where the two motor locations .

Step 12

- Remove 4 screws that are located on the top of the Motor

- Four Torx T5 Screws

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Step 13

- Remove two screws that are located inside of the motor case.

- 2 T5.0 Hex screws

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Step 14

- Remove the four screws located on back of the motor

- Four Torx T5 Screws

- Then just pull the motor out of the case

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