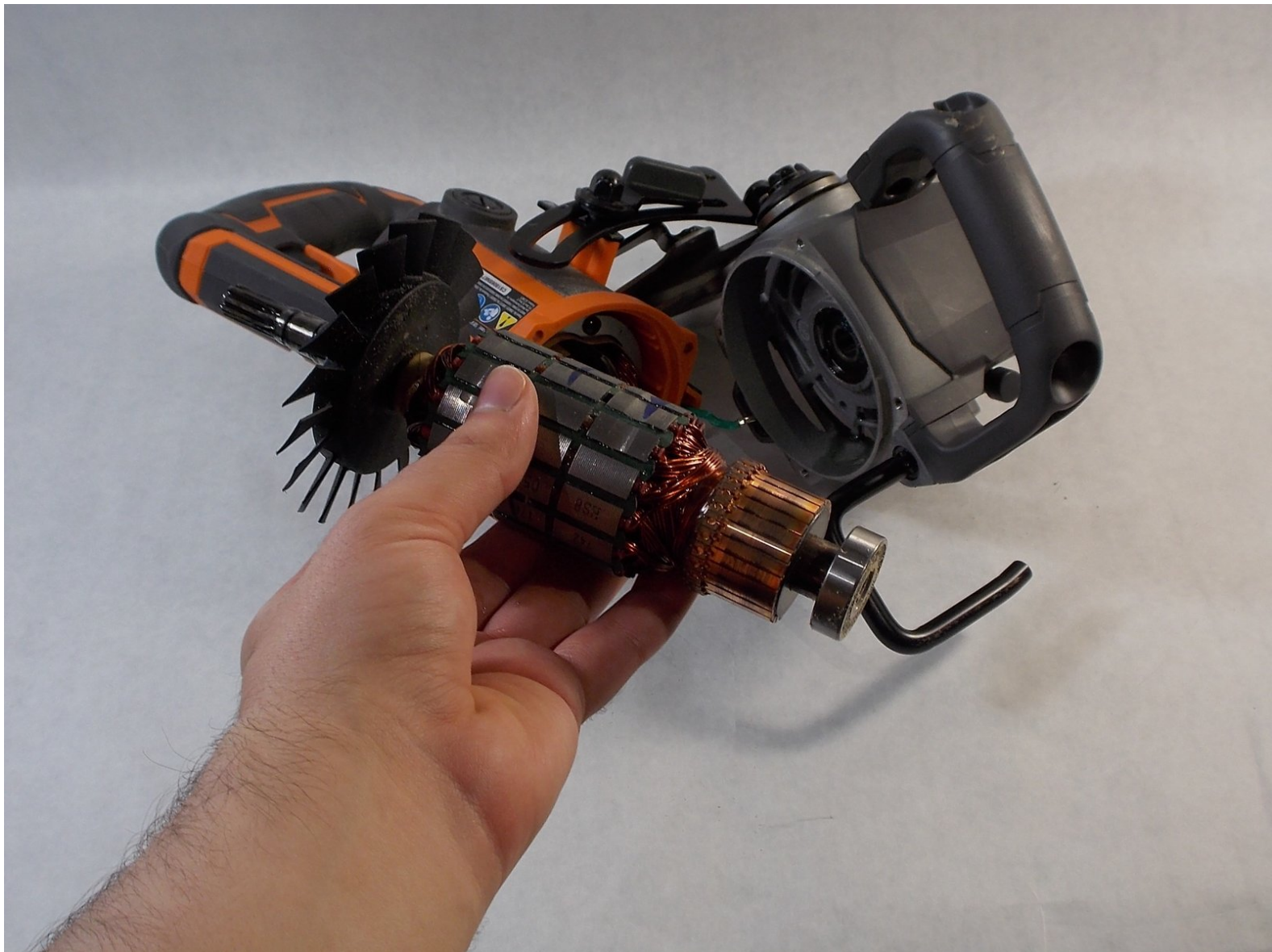




RIDGID R32104 Motor Rotor Replacement

This guide will help you replace the RIDGID R32104 faulty motor rotor.

Written By: Lucas Pimentel



INTRODUCTION

A faulty motor rotor can cause sparking and other serious issues with the saw. This is a guide to replace the motor rotor. Although it is an intensive project, it is doable and all you need are a Torx T20 screwdriver, a Torx T50 screwdriver, and a flathead screwdriver.



TOOLS:

- [T20 Torx Screwdriver](#) (1)
 - [T50 Torx](#) (1)
 - [Flathead Screwdriver](#) (1)
-

Step 1 — Motor Brush



Turn off your saw and unplug before starting.

- Place down the Worm Drive Saw on a sturdy surface.
- The motor brush cap is located on the side of the main housing assembly, it can be identified as a large black plastic cap with a slit running down its surface.

Step 2



- Using a flathead screwdriver, remove the motor brush cap from the main housing assembly.

Step 3



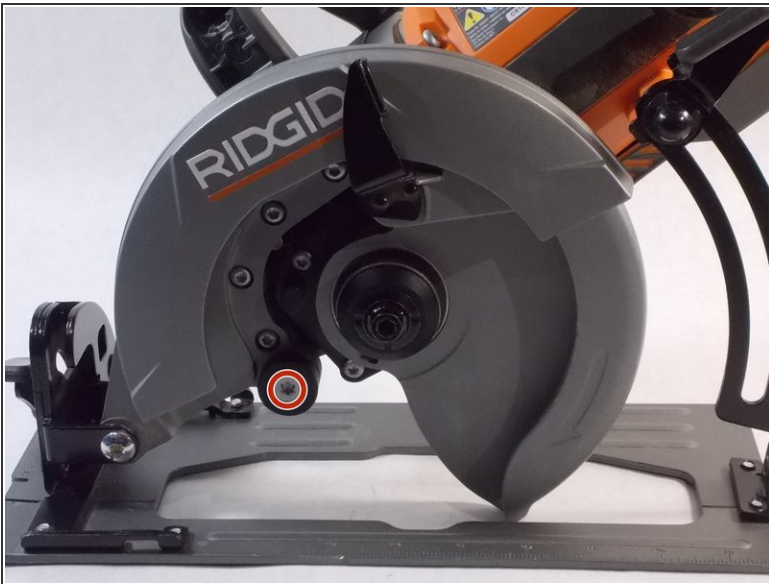
- With the cap removed, the motor brush should now be accessible.
- Carefully remove the motor brush by sliding it out of the main housing assembly.

Step 4 — Upper Blade Guard Assembly



- Maneuver the RIDGID saw, in order to easily remove the upper blade guard assembly.
- Using the T20 Torx Screwdriver, remove the four 4/10 cm screws that attach to the gear box.

Step 5



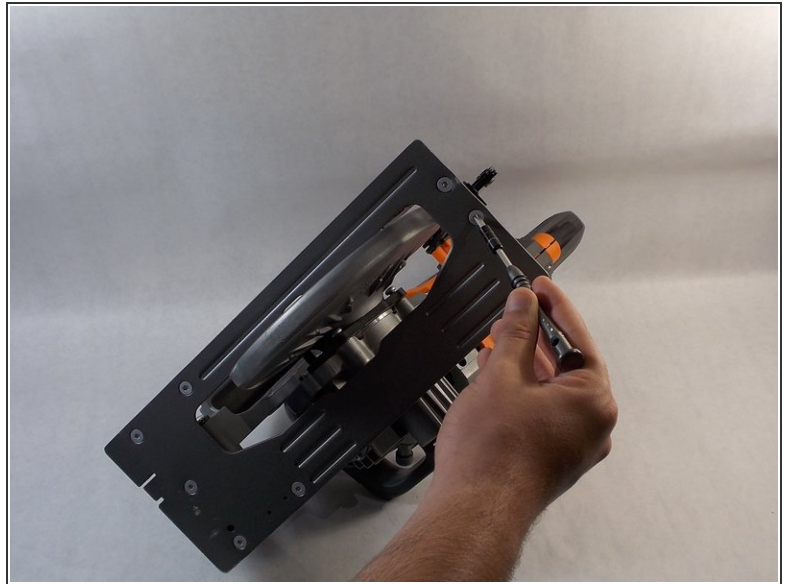
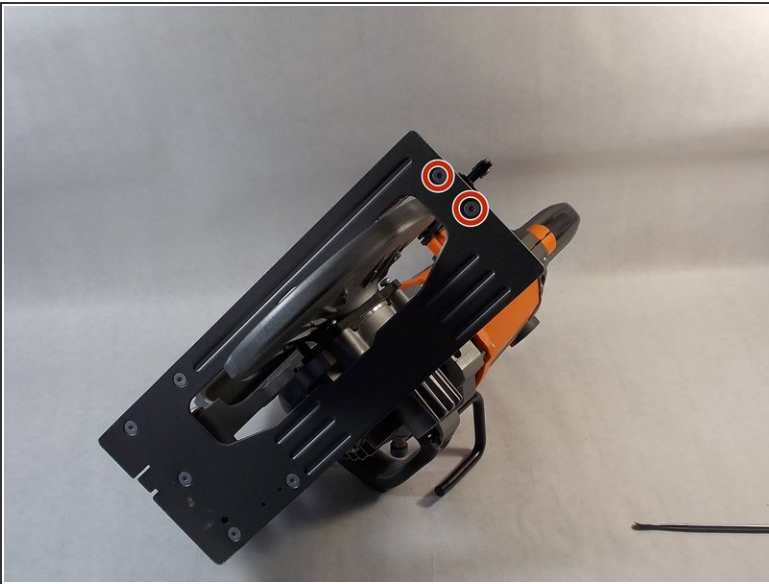
- Using the T50 Torx Screwdriver, remove the one 5/10 screw that attach to the gear box.

Step 6



- Using the T20 Torx Screwdriver, remove the two 4/10 cm screws that attach to the handle of the device.

Step 7



- Maneuver the saw to get to the base plate.
- Using the T20 Torx Screwdriver, remove the two 4/10 cm screws that attach the upper blade guard's base plate to the main housing assembly.

Step 8 — Main Housing Assembly



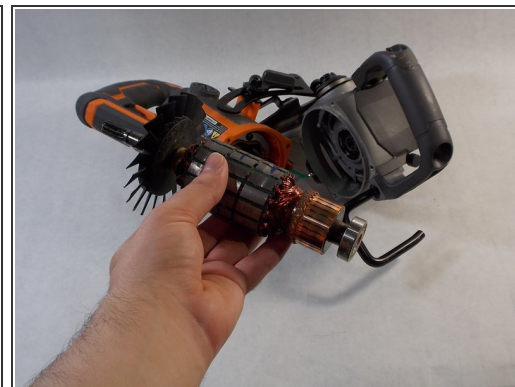
- Using the T20 Torx Screwdriver, remove the four 10 cm screws that attaches the main housing assembly to the gear box.

Step 9 — Gear Box



- Wiggle out the gear box to easily gain access to the motor rotor.
- Once taken out, the motor rotor is easily accessible.

Step 10 — Motor Rotor



- The motor rotor is lodged in between the armature and can be identified as a rod containing a fan blade.
- Carefully remove the motor rotor from the device.

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