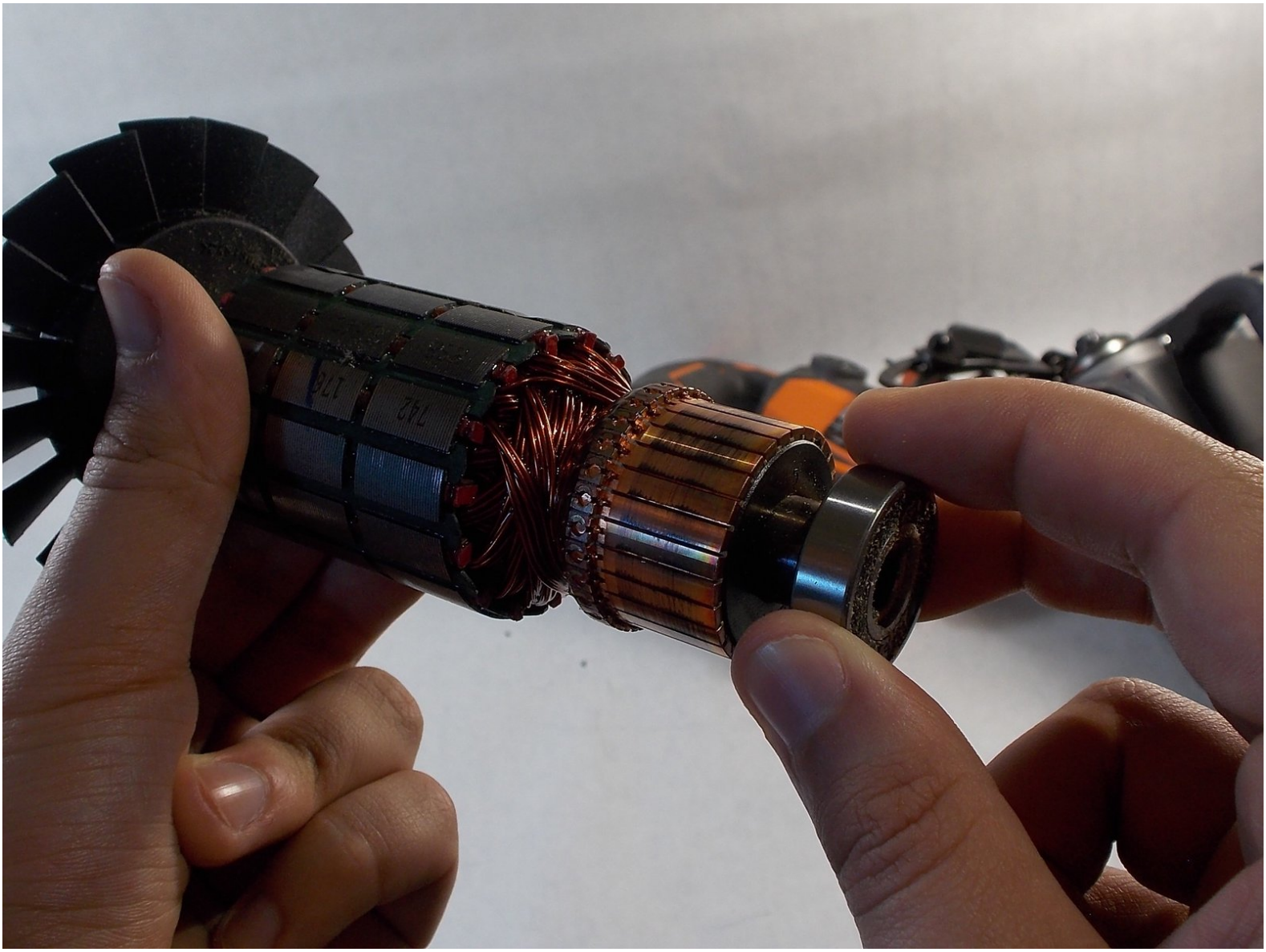
RIDGID R32104 Motor Bearings Replacement

Use this guide to help replace the RIDGID R32104 motor bearings.

Written By: Lucas Pimentel



INTRODUCTION

If your saw experiences any unnecessary vibrations or produces strange noises, the motor bearings are the main issue. Use this guide to help replace these motor bearings. All that is required to complete this replacement are a Torque 20 Screwdriver, Torque 50 Screwdriver, and Flathead Screwdriver.

TOOLS:

- T20 Torx Screwdriver (1)
- Flathead Screwdriver (1)
- T50 Torx (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.

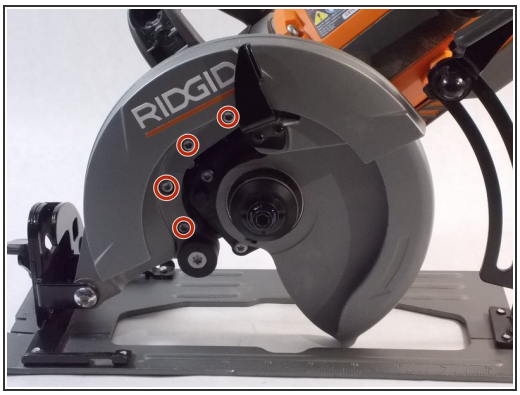
Step 2

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

Step 3

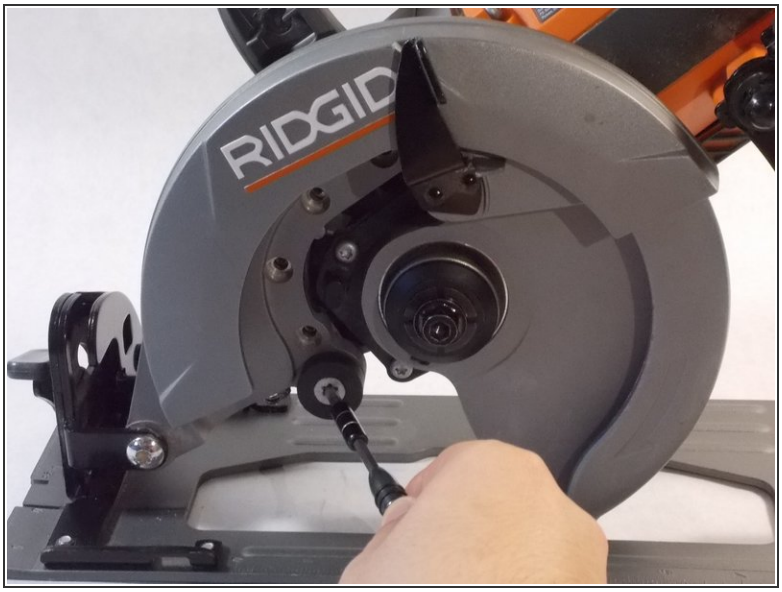
- With the cap removed, the motor brush should now be accessible.
- Carefully remove the motor brush by sliding it out of the main housing assembly.

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

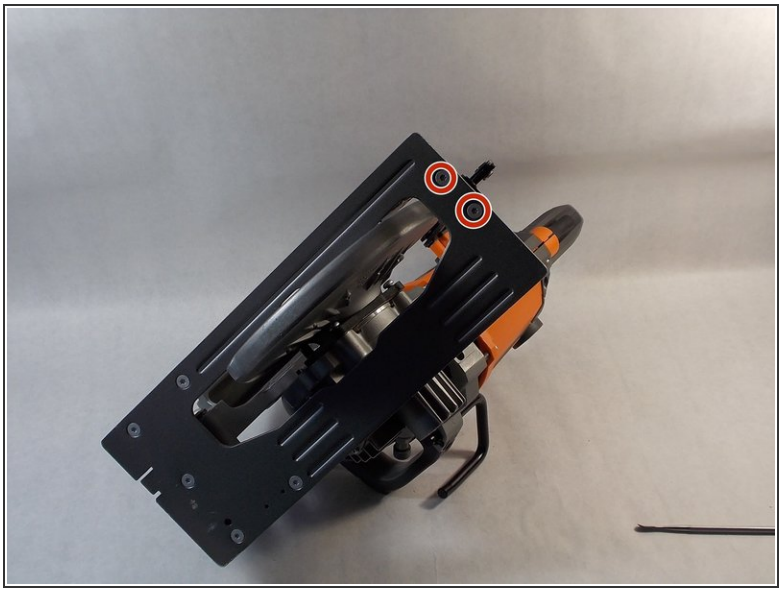



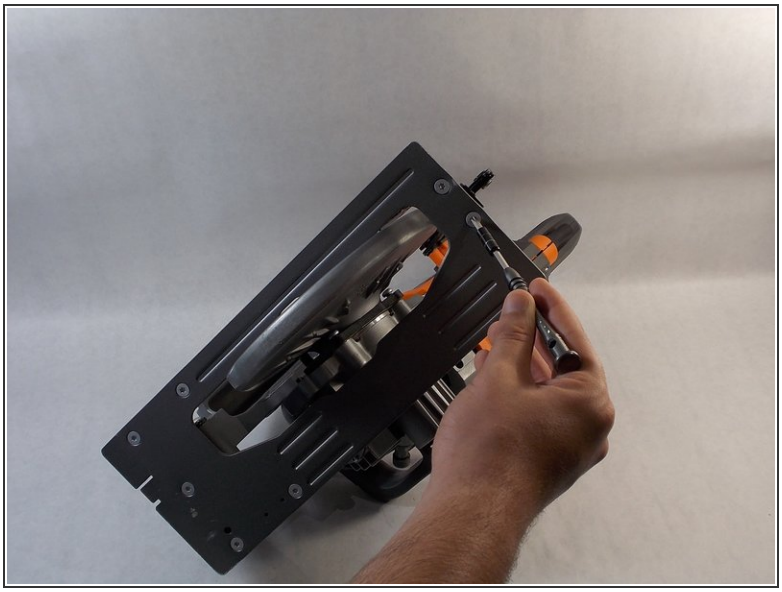
- Using the T50 Torx Screwdriver, remove the one 5/10 screw that attach to the gear box.

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.

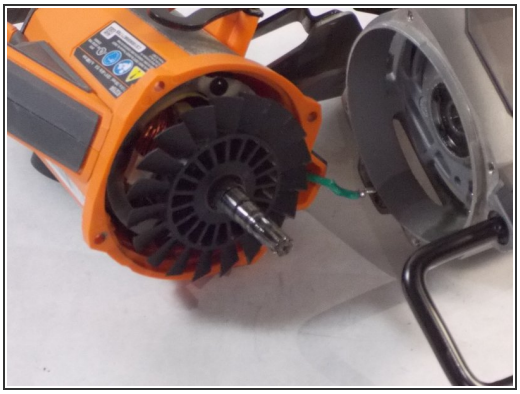
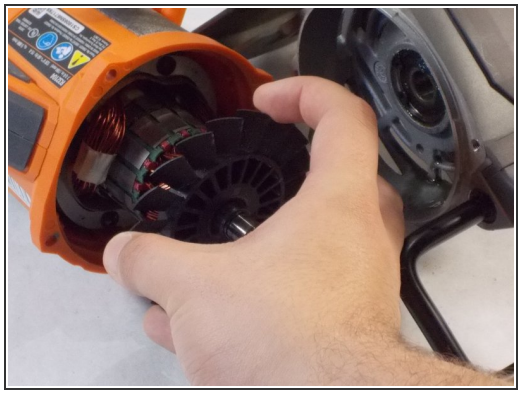
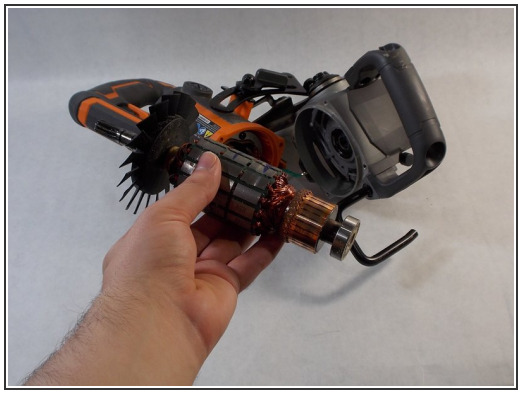
Step 8 — Main Housing Assembly

- 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

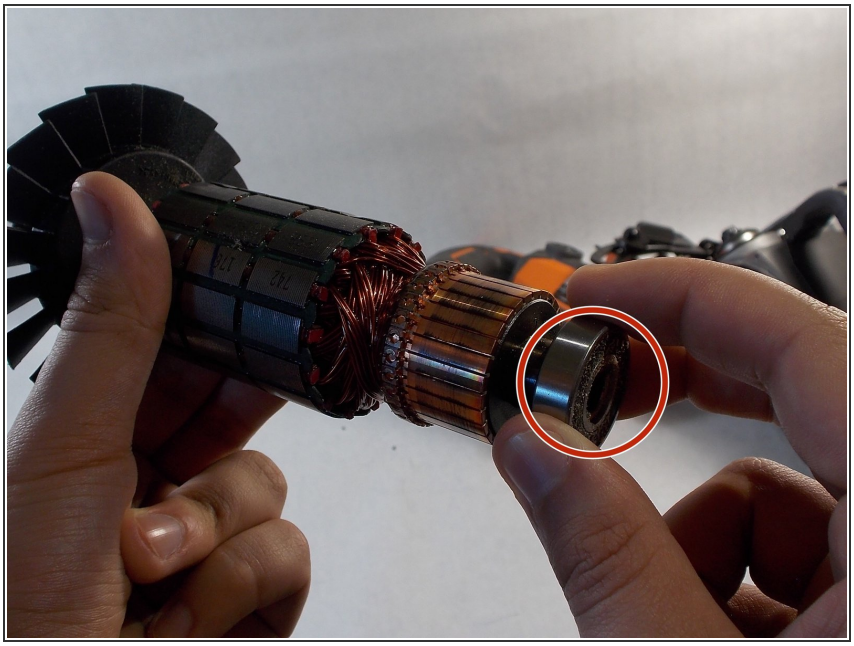
- Wiggle out the gear box to easily gain access to the motor rotor.
- Once taken out, the motor rotor is easily accessible.

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.

Step 11 — Motor Bearings



- The bearings are located on the opposite end of the motor rotor, from where the fan blade was.
- Carefully remove the motor bearings from the motor rotor.

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