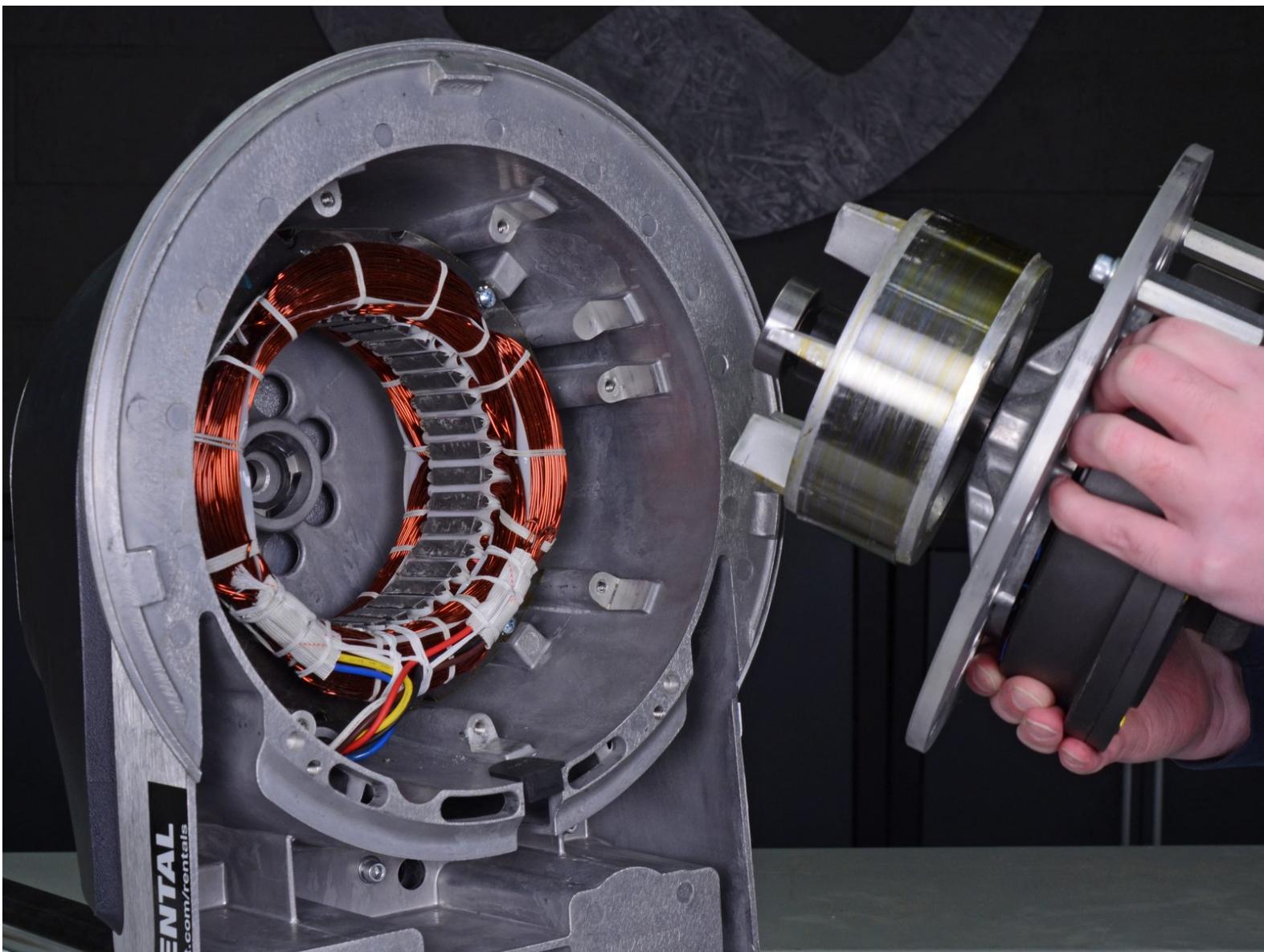




Clarke Floor Buffer 01278A 2016 Rotor Replacement

Replace a damaged or faulty rotor on your Clarke Floor Buffer 01278A.

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INTRODUCTION

This guide shows how to replace the rotor inside a Clarke Floor Buffer 01278A 2016.

You can use regular hand tools for removing fasteners, but using an impact driver will make the procedure easier.

TOOLS:

- 3/16" Hex Key (1)
- Phillips #3 Screwdriver (1)
- 2-Jaw Gear Puller (1)
- Adjustable Wrench (1)
- Pry Bar (2)
- Mallet (1)

PARTS:

- Clarke FIELD AND ROTOR KIT 40658A (1)
- Nilfisk Field And Rotor Kit 40658A (1)

Step 1 — Preparation



⚠ Before you begin, make sure the floor buffer is turned off and unplugged.

- Brace the back of the floor buffer with your foot near the wheel axle and grasp the handle with both hands.
- Slowly tilt the floor buffer back until the handle rests on your work surface.

Step 2 — Remove the Shield Brush



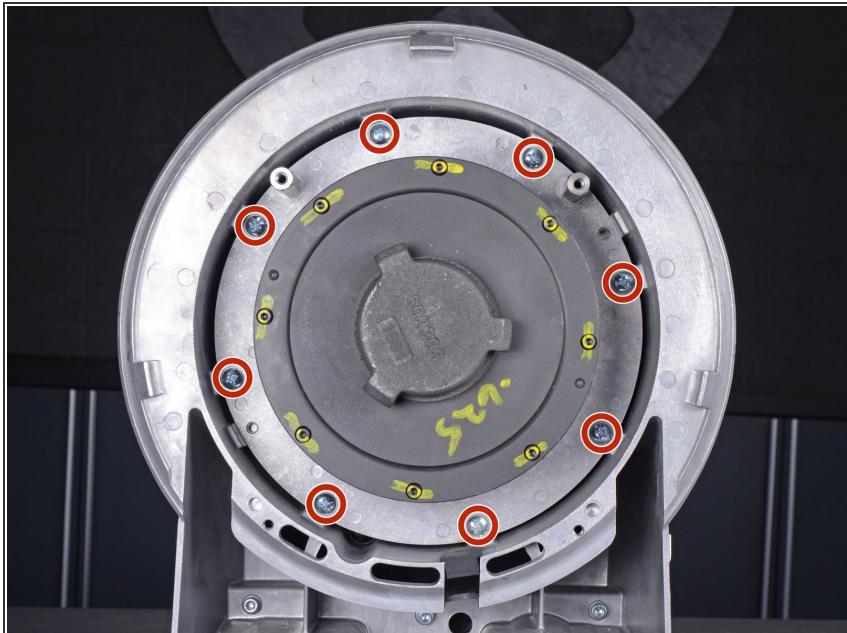
- Use a 3/16" hex key or driver bit to remove the four 18.6 mm-long screws securing the shield brush to the bottom of the floor buffer.

Step 3



- Pull the shield brush straight off the bottom of the floor buffer.

Step 4 — Remove the Gear Unit Assembly



- Remove the eight 23.1 mm-long Phillips #3 screws securing the gear unit assembly and rotor to the floor buffer's housing.

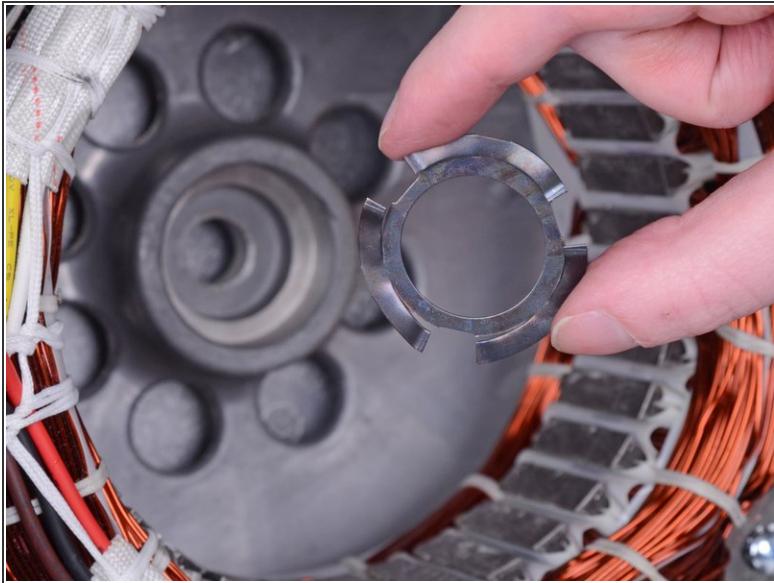
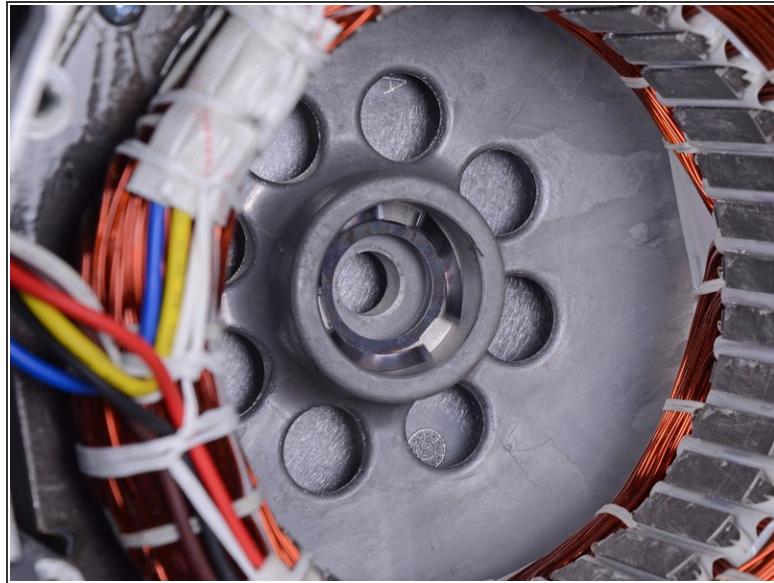
Step 5



- Remove the gear unit assembly and rotor from the floor buffer's housing.
 - The gear unit assembly is fitted tightly into the housing. You will need to wiggle the assembly back and forth with a good amount of pressure to knock it loose.
 - The gear unit assembly and rotor are very heavy, so it may help to support the assembly from the bottom as you remove it.

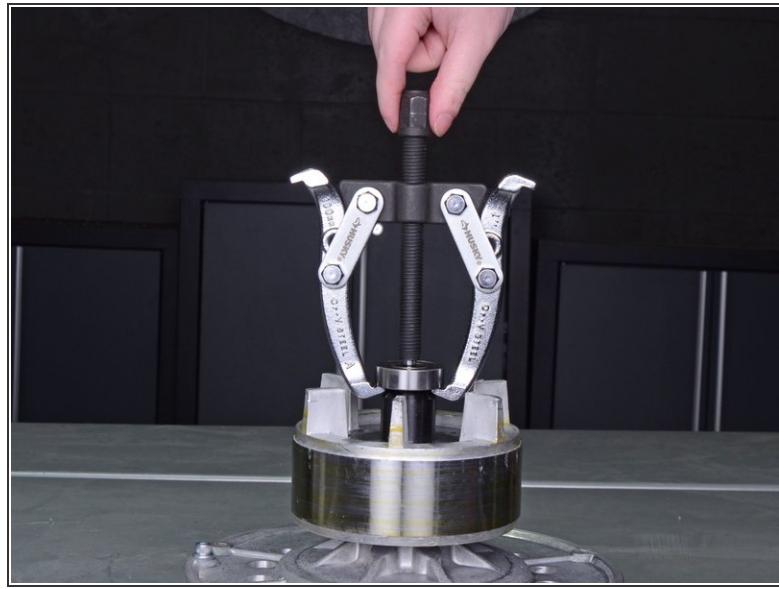
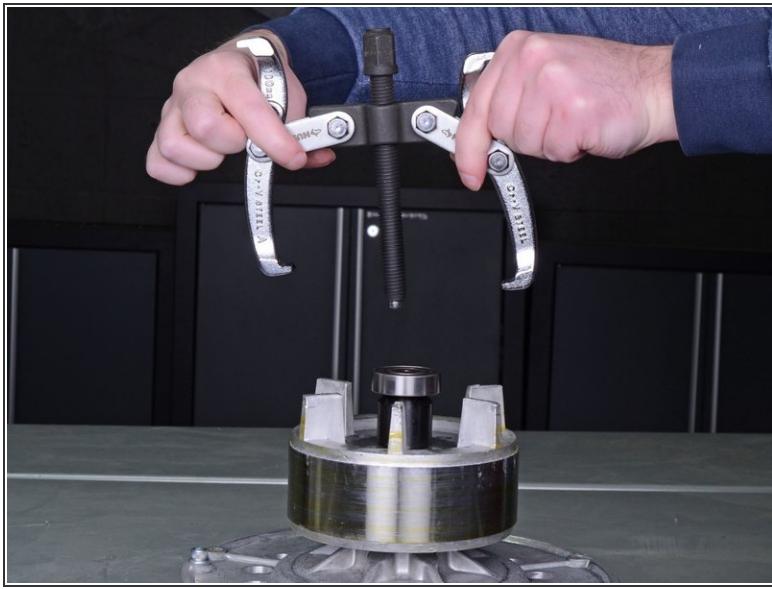
 **Re-assembly tip:** When installing the new gear unit assembly, make sure the screw holes line up with the housing's screw holes.

Step 6



- ⓘ A round load spring that sits inside the housing may fall out when removing the gear unit assembly and rotor. Be sure to retain it for re-assembly.

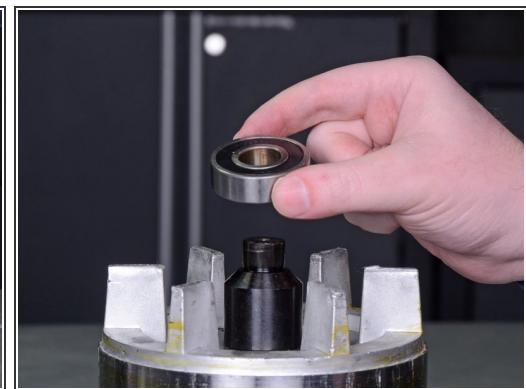
Step 7 — Remove the Rotor



(i) The next two steps show how to remove the bearing from the rotor's driveshaft.

- Rest the center threaded bolt of a gear puller on the center of the rotor's driveshaft.
- Attach the legs of the gear puller to the outer bottom edges of the bearing, and tighten the bolt by hand until the gear puller is snug on the bearing.

Step 8



- Use a wrench to tighten the gear puller until the bearing comes loose.
- Remove the bearing.

 **Re-assembly tip:** Use a mallet to gently tap the bearing back on the new rotor's driveshaft.

Step 9



- Use two pry bars and place the ends between the rotor and gear unit assembly as far toward the center as possible.
- Apply force to both pry bars in opposite directions to disconnect the rotor from the gear unit assembly.
- Remove the rotor from the gear unit assembly.

 **Re-assembly tip:** Make sure the rotor's and gear unit's driveshaft key bars line up with each other when putting them back together.

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