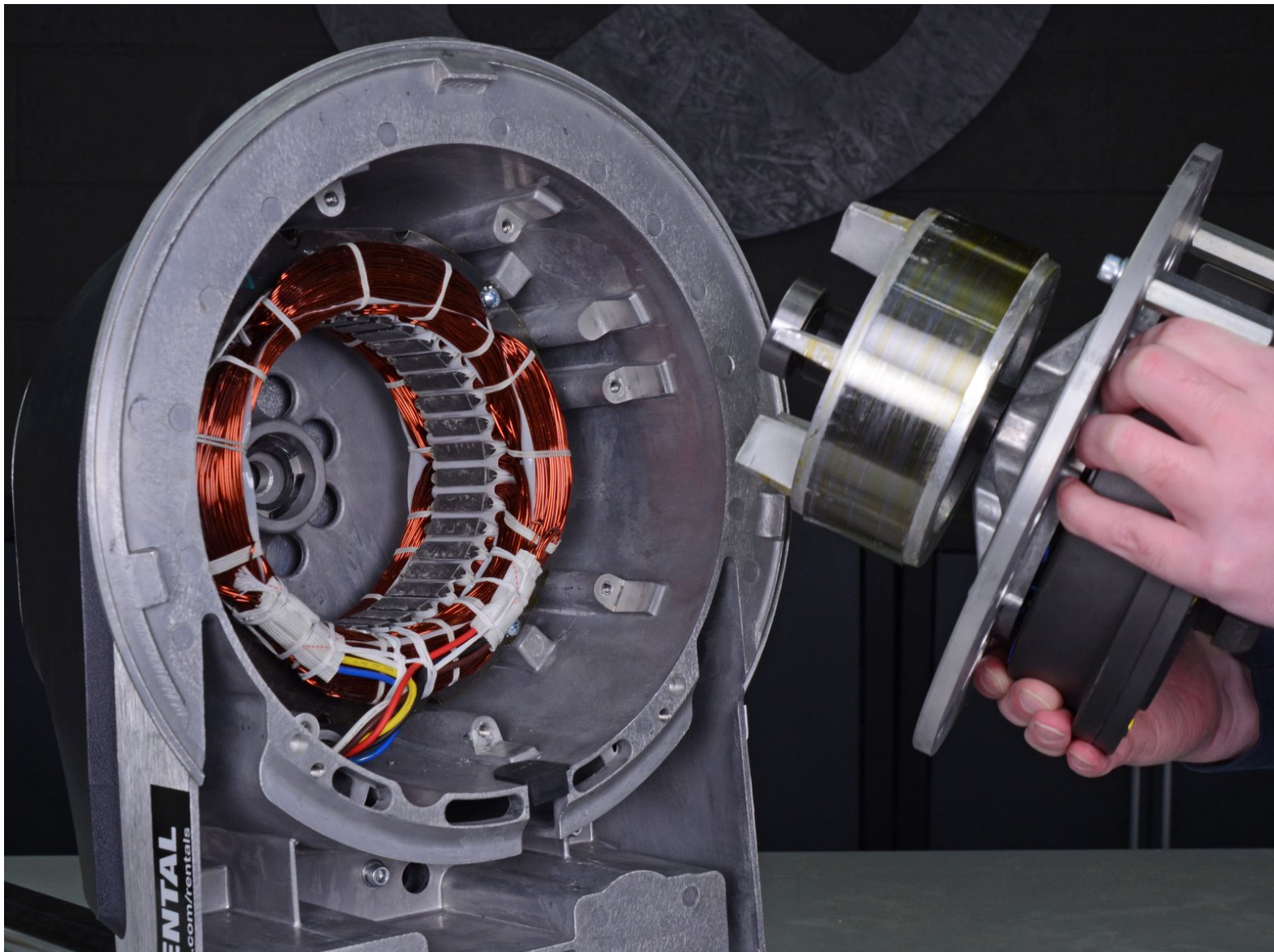




# Clarke Floor Buffer 01278A 2016 Rotor Replacement

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

Written By: Craig Lloyd



# 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)

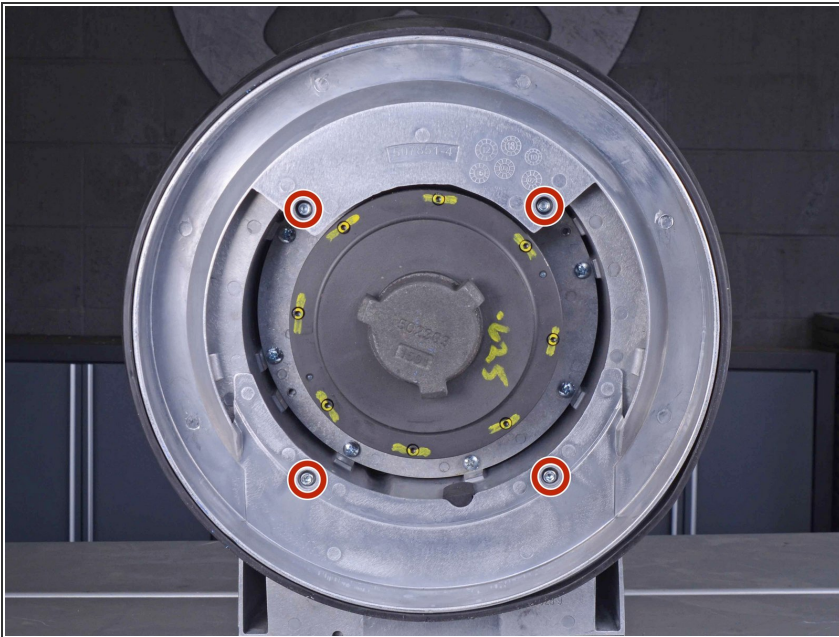
## Step 1 — Preparation



 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.

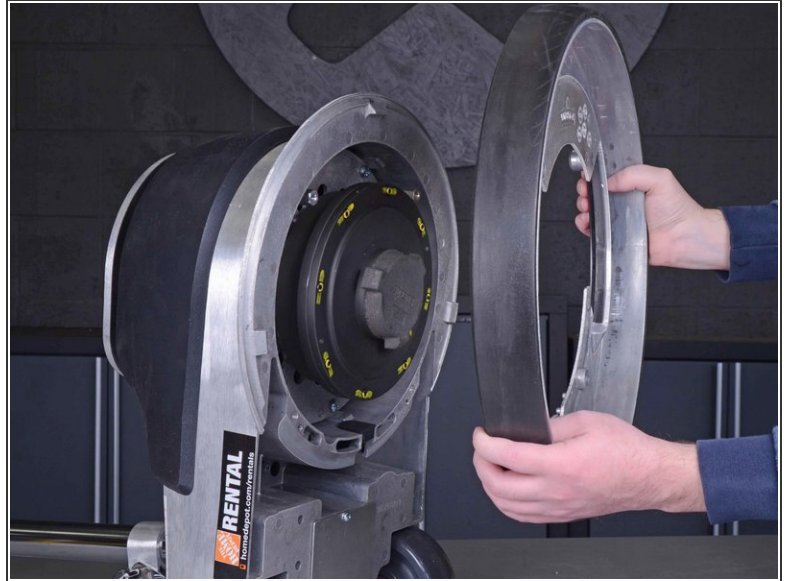
## Step 2 — Remove the Shield Brush



- 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.

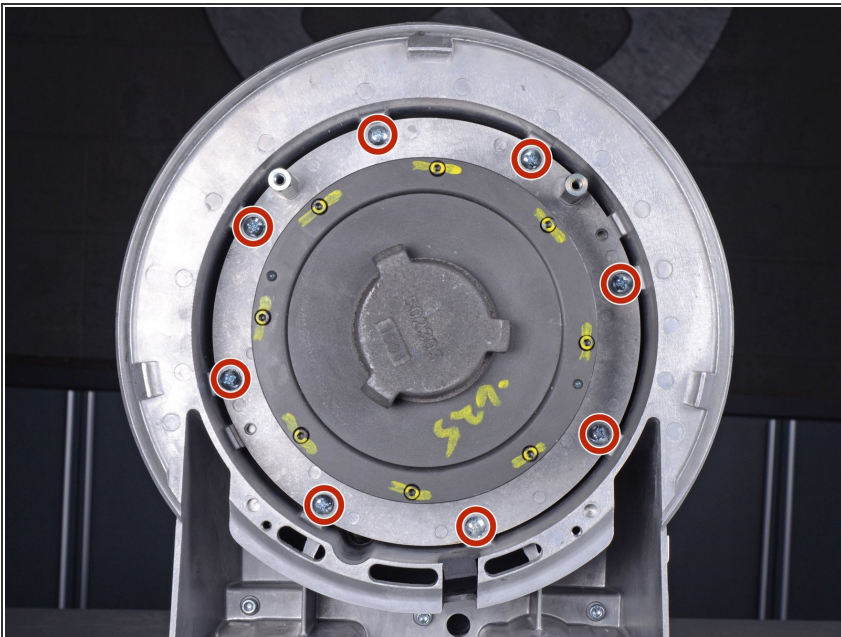


### Step 3



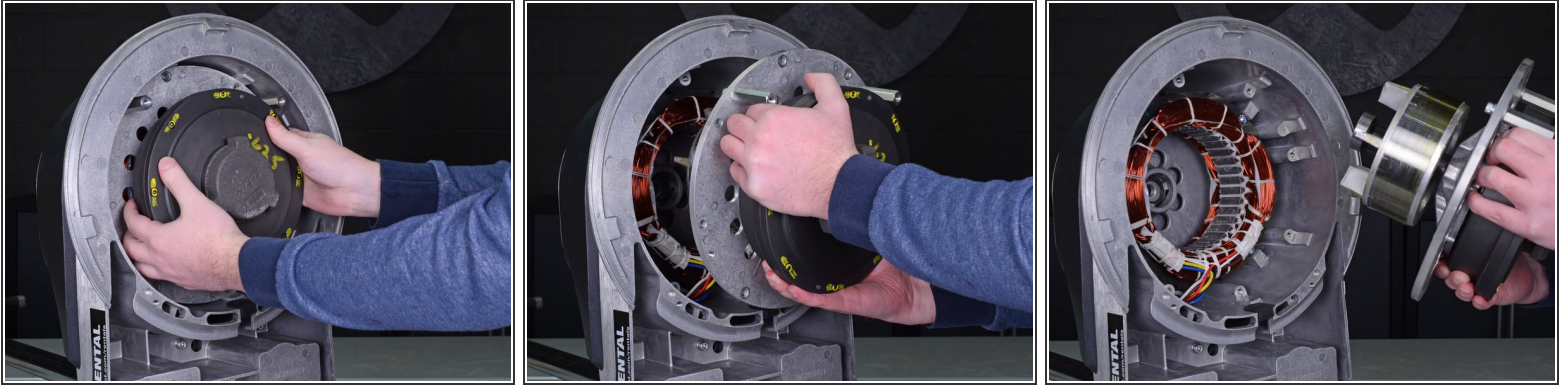
- Pull the shield brush straight off the bottom of the floor buffer.

### Step 4 — Remove the Gear Unit Assembly



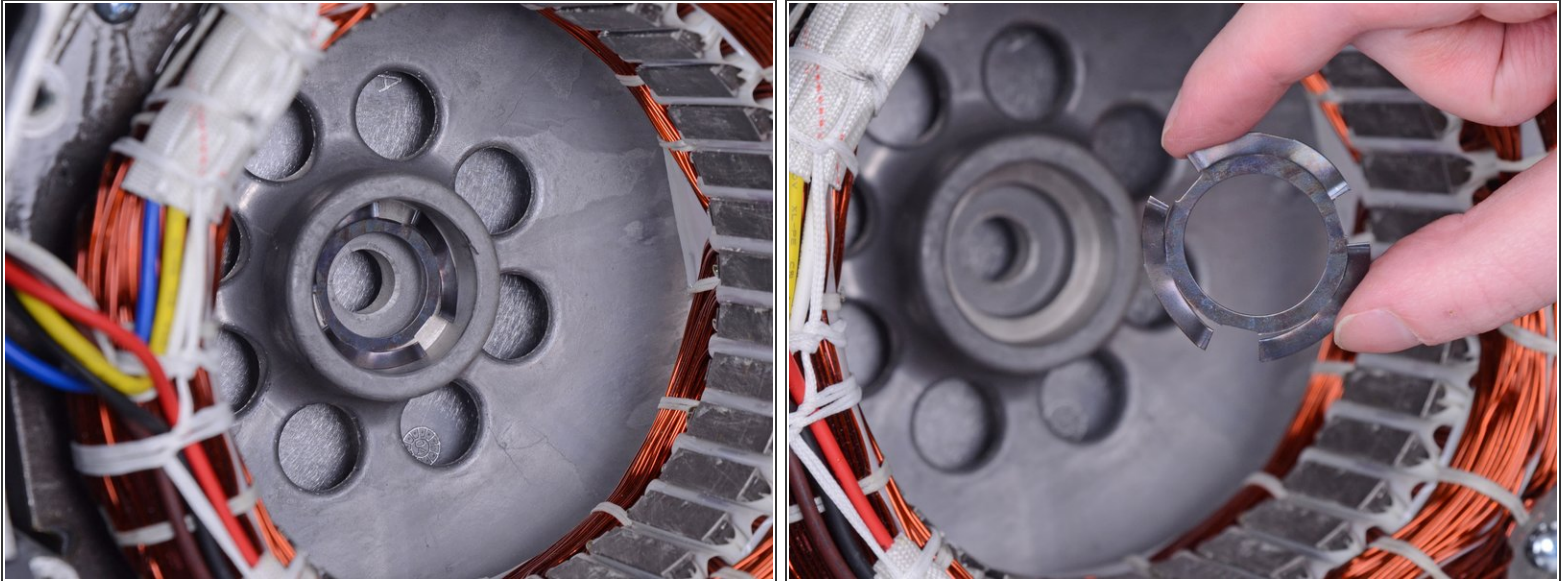
- Remove the eight 23.1 mm-long Phillips #3 screws securing the gear unit assembly and rotor to the floor buffer's housing.

## 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.

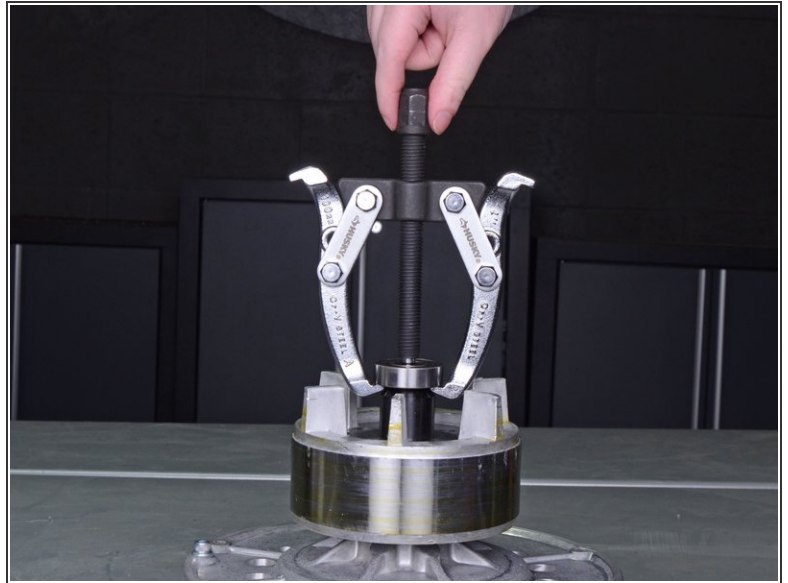
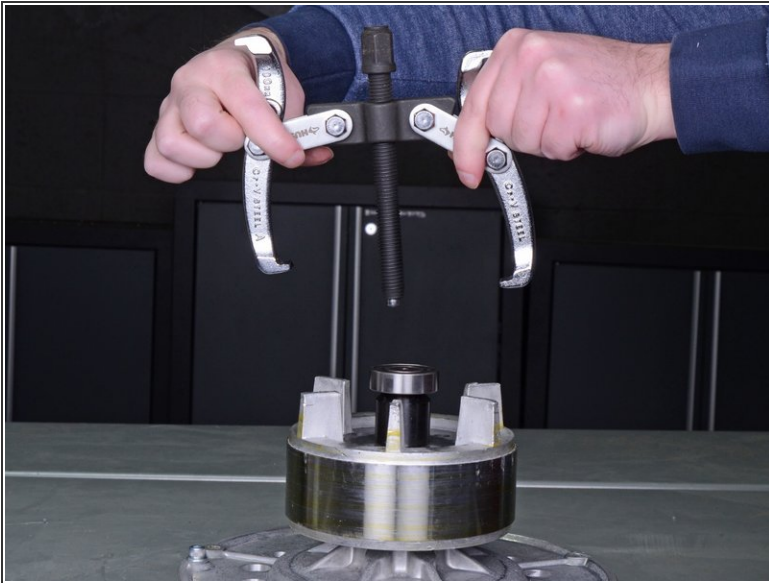
## Step 6



- i** 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.



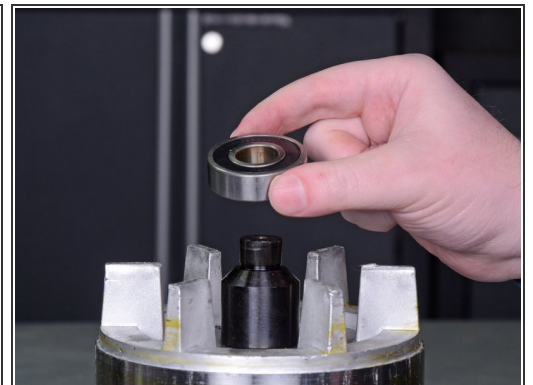
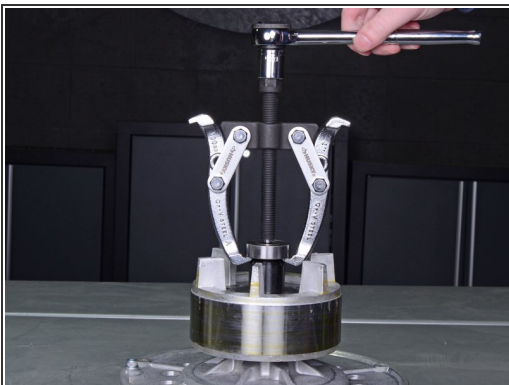
## Step 7 — Remove the Rotor



**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.