



# Milwaukee 5262-21 Diaphragm Assembly with Bushing Replacement

This guide will show you how to replace the diaphragm assembly with bushing in your Milwaukee 5262-21.

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## INTRODUCTION

This guide will show you how to replace the diaphragm assembly. A faulty diaphragm assembly can lead to a few different issues including irregular shaking, grinding, or leaking grease.



### TOOLS:

- [Metal Spudger](#) (1)
- [T20 Torx Screwdriver](#) (1)
- [T10 Torx Screwdriver](#) (1)
- [T15 Torx Screwdriver](#) (1)



### PARTS:

- [Milwaukee 5262-21 diaphragm assembly w/ bushing](#) (1)

## Step 1 — Housing Assembly



- Remove the ten 19mm T20 Torx screws shown in red.

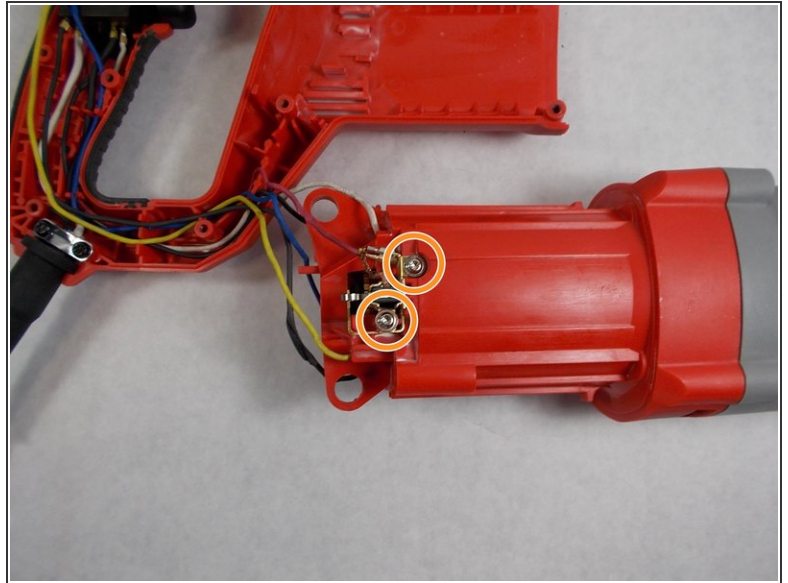
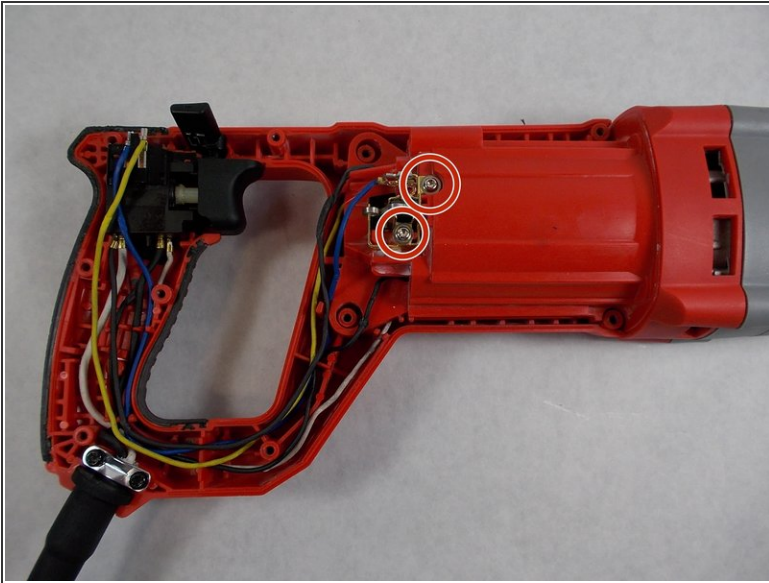
## Step 2



- Remove the red Housing Assembly by lifting it up off of the tool.

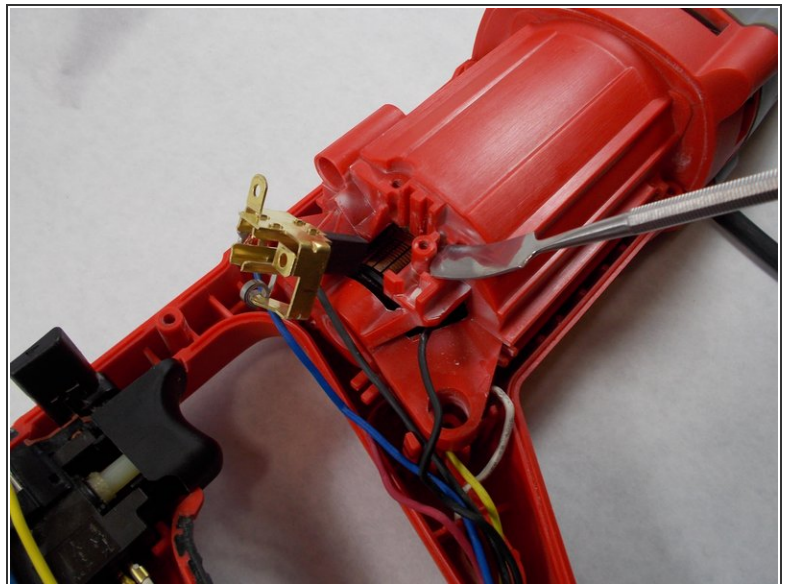
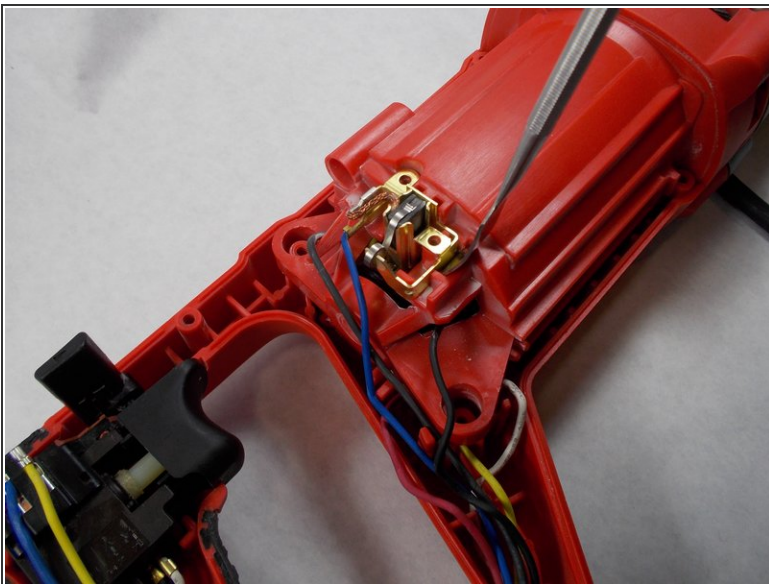


### Step 3 — Reduction Gear Assembly



- Remove the two 10mm T-10 Torx screws that attach the top brush holders to the motor housing.
- Remove the two 10mm T-10 Torx screws that attach the bottom brush holders to the motor housing.

### Step 4



- Using a metal spudger, pry off each brush holder.

## Step 5



- Remove the four 37mm T20 Torx screws shown in red.

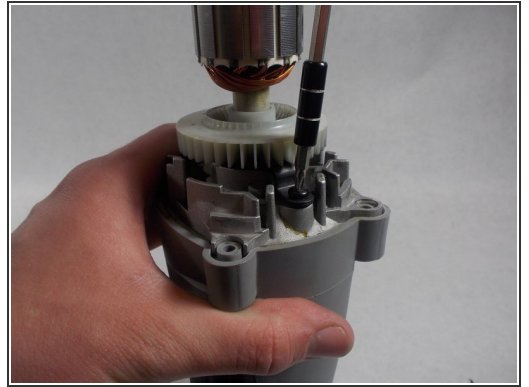
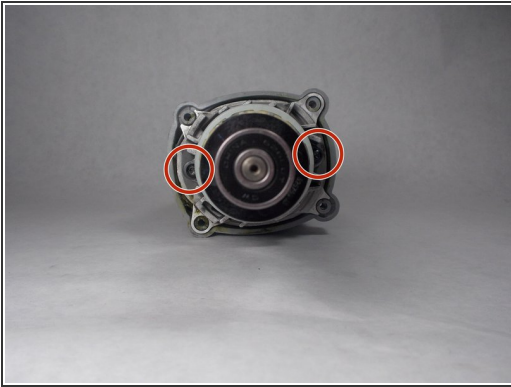
## Step 6



- Pull the front portion of the tool out from the motor housing.

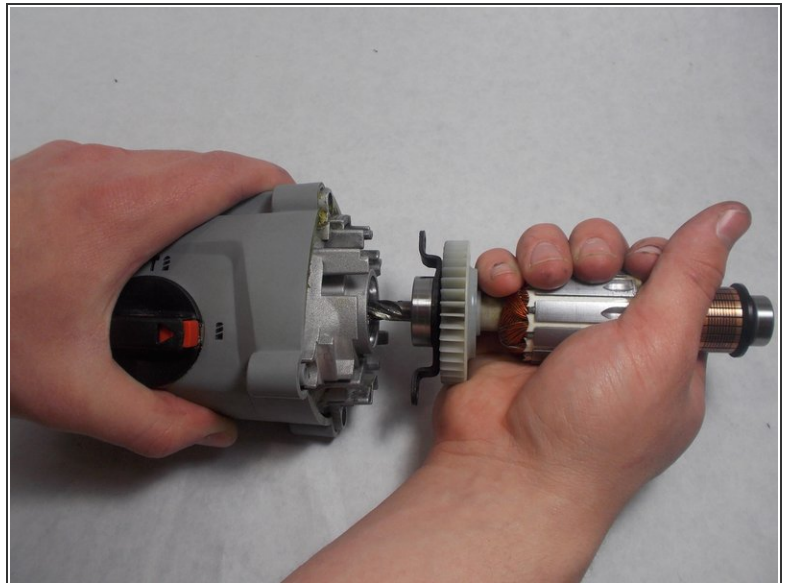
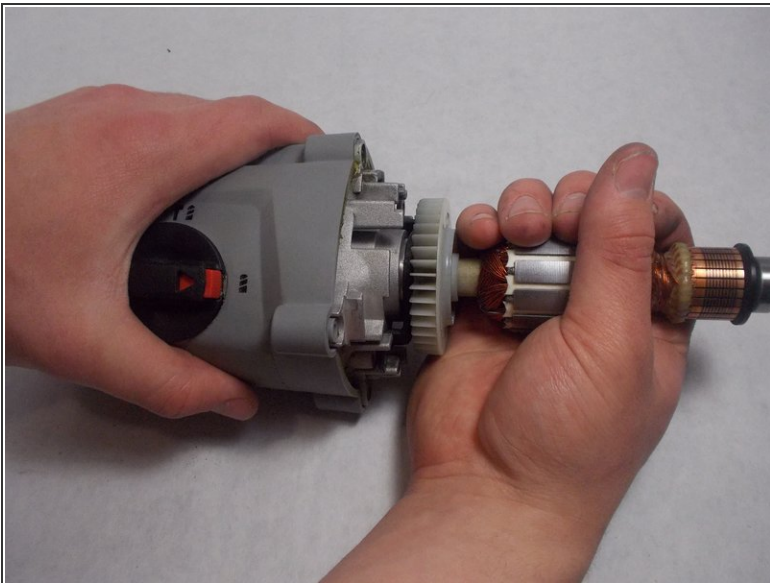


## Step 7



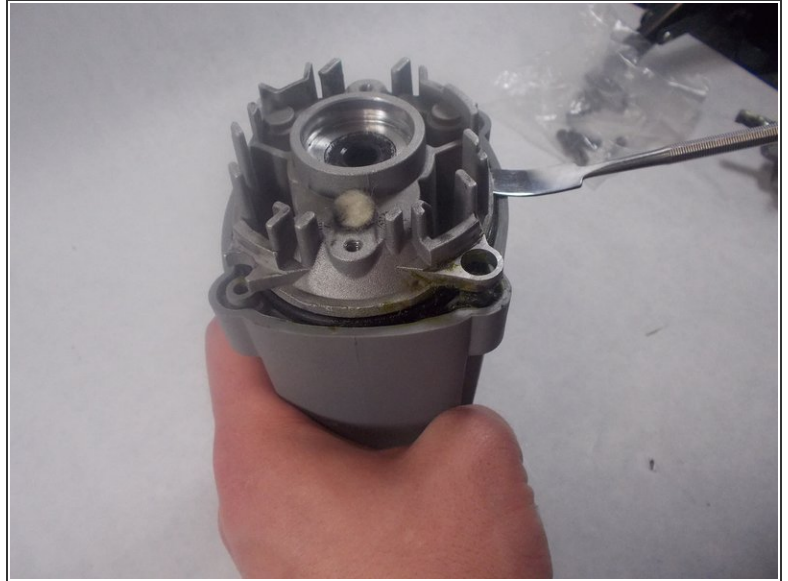
- Remove the two 11.5mm T10 Torx screws shown in red.

## Step 8



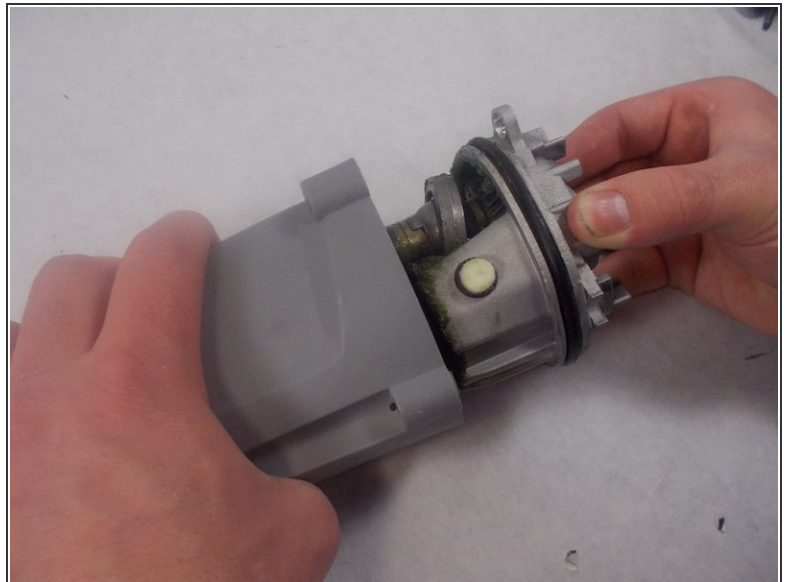
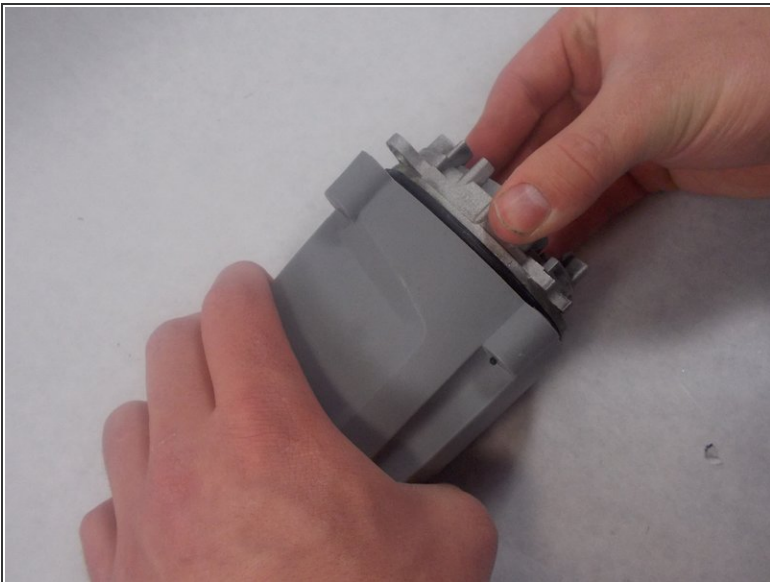
- Pull the 120V armature assembly out of the diaphragm assembly.

## Step 9



- Using a metal spudger, pry the diaphragm assembly out of the gear case.

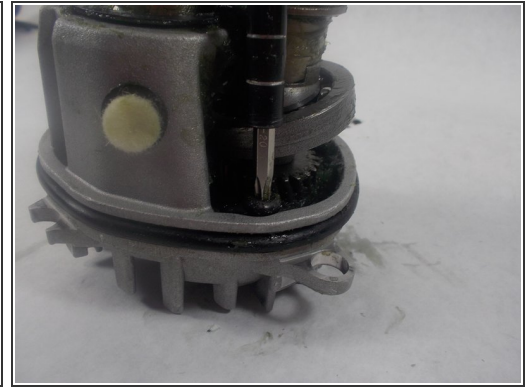
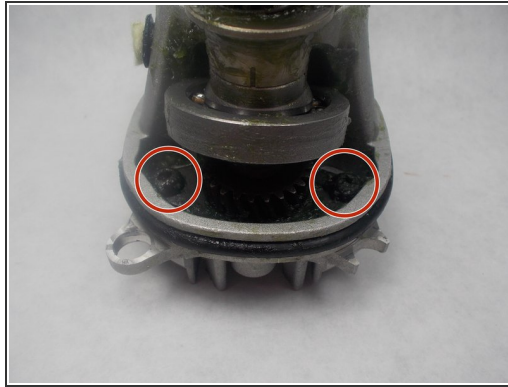
## Step 10



- Now that you have loosened the diaphragm, you can now pull it out of the gear case.



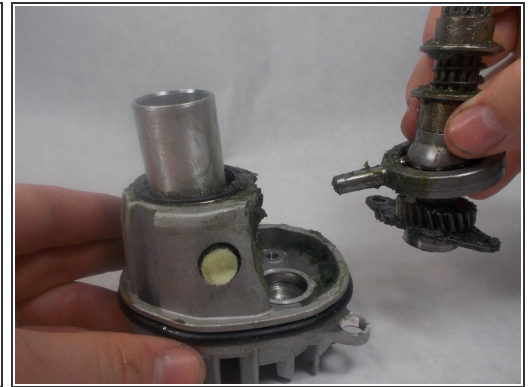
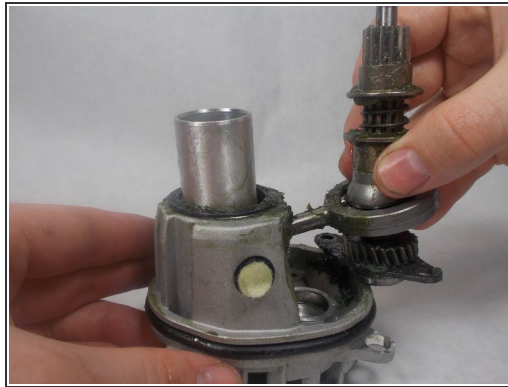
## Step 11



**i** The diaphragm assembly will be lathered in grease. In order to move forward, you may want to give it a wipe down to remove any extra grease.

- After removing some grease (if needed), remove the two 15mm T20 Torx screws shown in red.

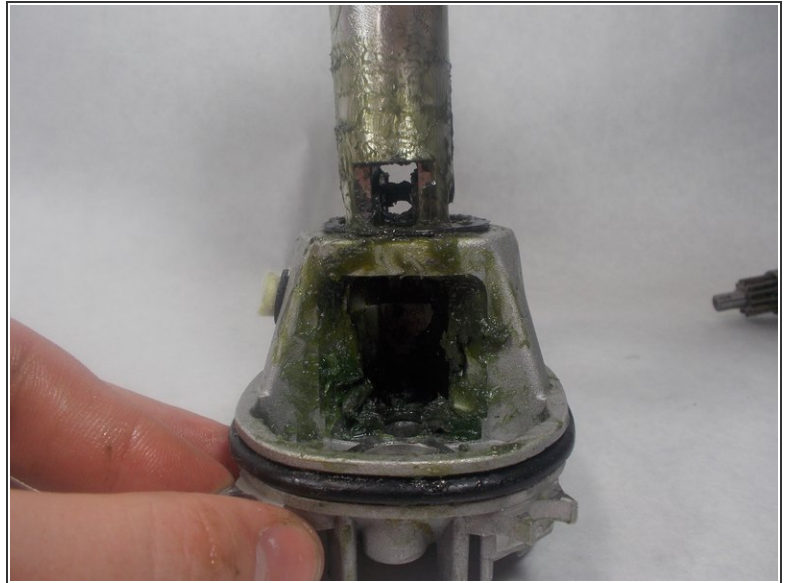
## Step 12



- Now pull the reduction gear assembly up and out of the diaphragm.



## Step 13 — Diaphragm Assembly with Bushing



- Remove the metal piston from the diaphragm assembly.

## Step 14



- Using a metal spudger, pry the o-ring off of the assembly.

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