



# Milwaukee 5262-21 Reduction Gear Assembly Replacement

This guide will teach you how to replace the reduction gear assembly in a Milwaukee 5262-21.

Written By: Payton Parker



## INTRODUCTION

This guide will show you how to take the tool apart all the way down to the gears so that you can replace the reduction gear assembly. The reduction gear assembly can fail due to wear and tear. If you are experience grinding or slipping issues in the gearbox of your rotary hammer, the cause may be due to a faulty reduction gear assembly.



### TOOLS:

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



### PARTS:

- [Milwaukee 5262-21 reduction gear assembly](#) (1)

## Step 1 — Housing Assembly



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

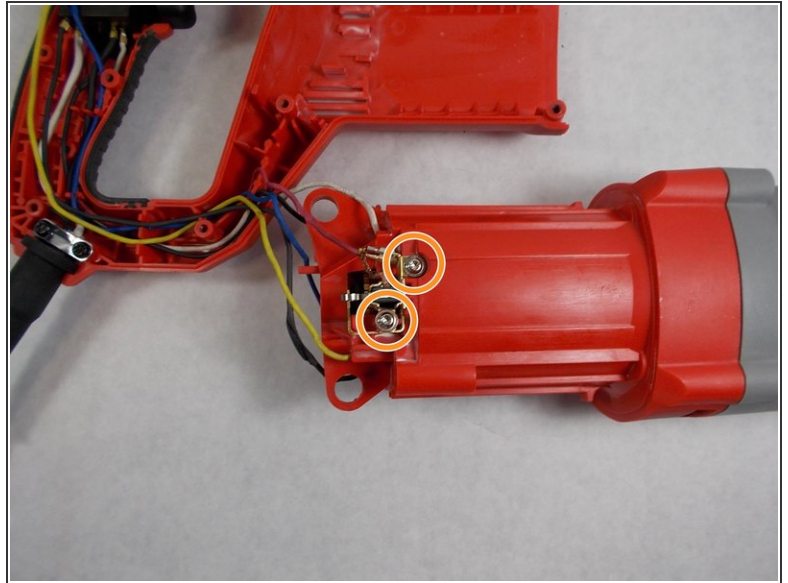
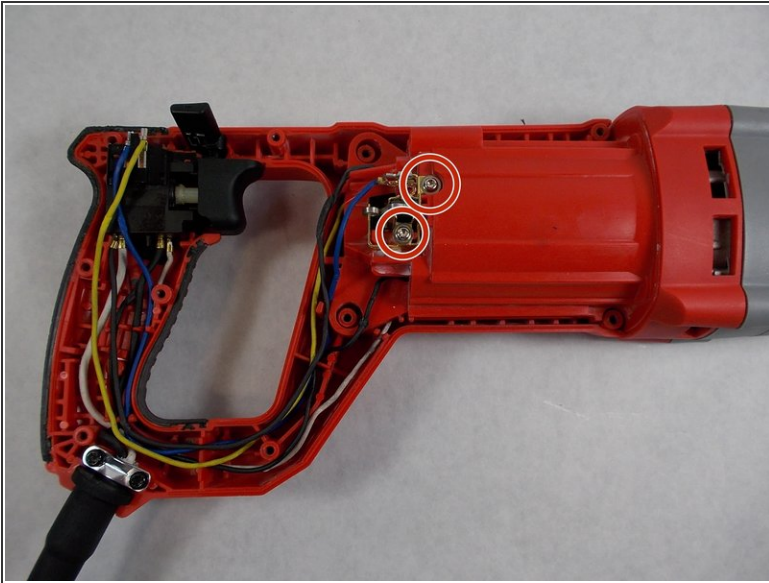
## Step 2



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

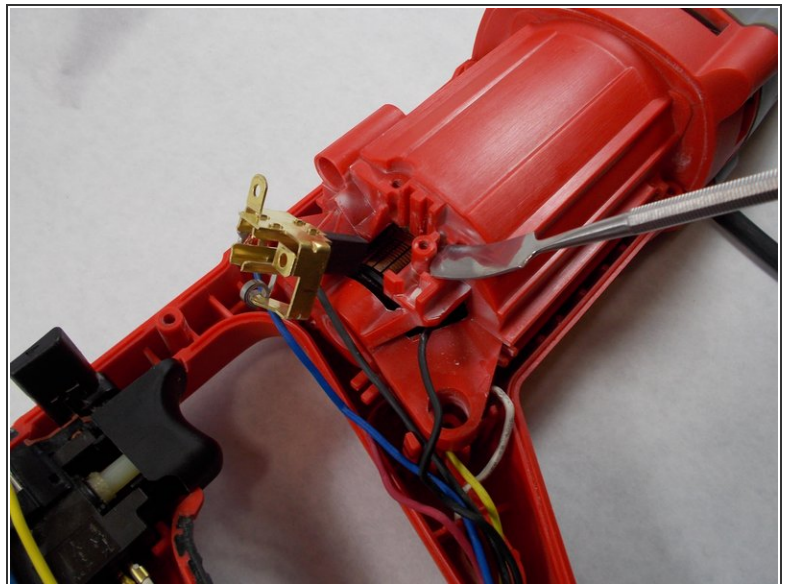
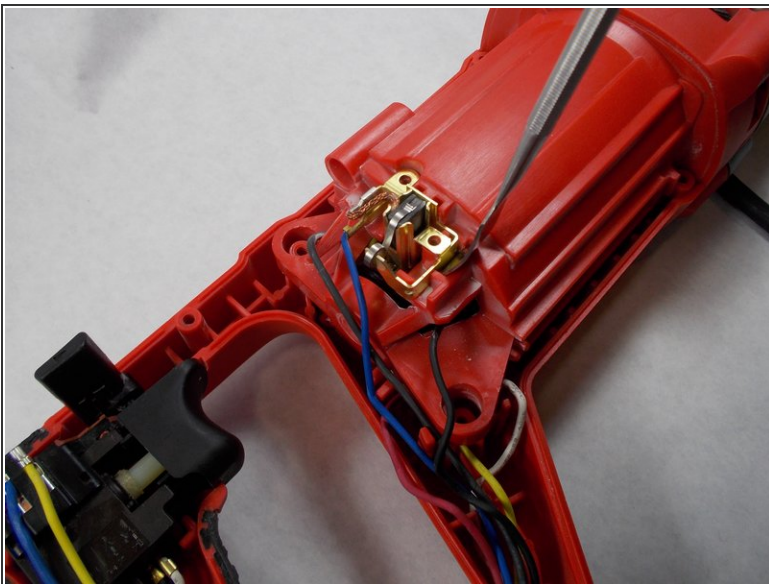


### Step 3 — Reduction Gear Assembly



- 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



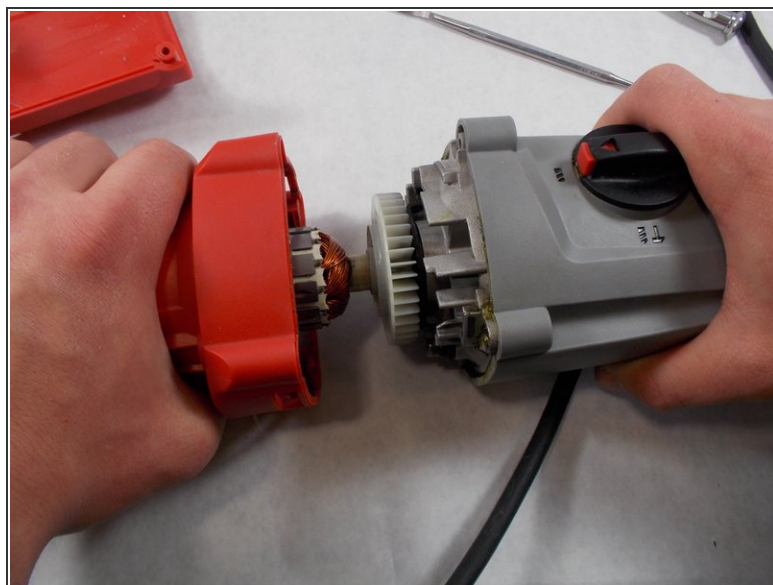
- Using a metal spudger, pry off each brush holder.

## Step 5



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

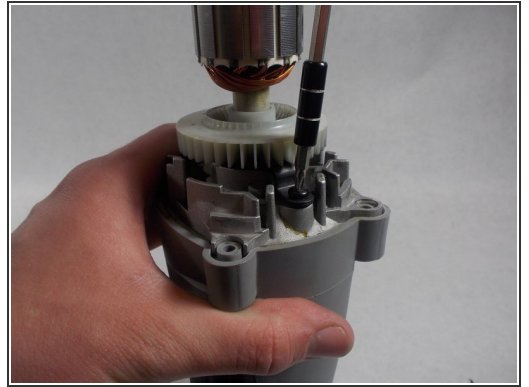
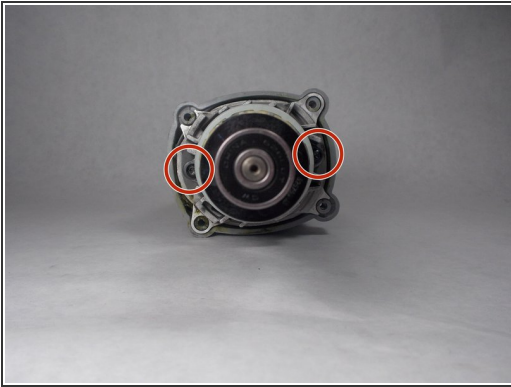
## Step 6



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

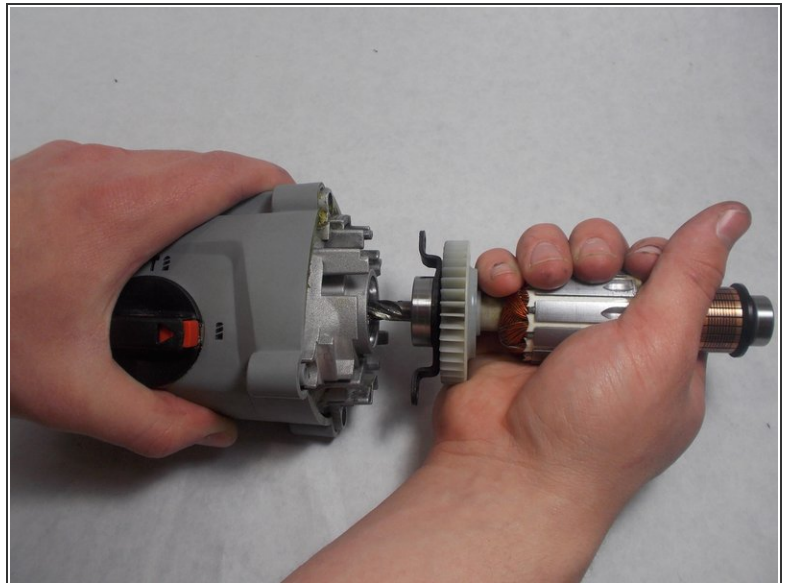
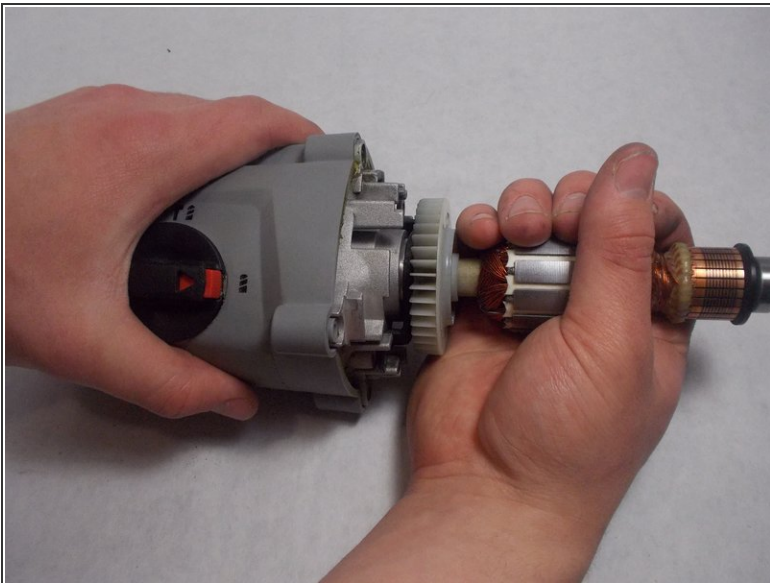


## Step 7



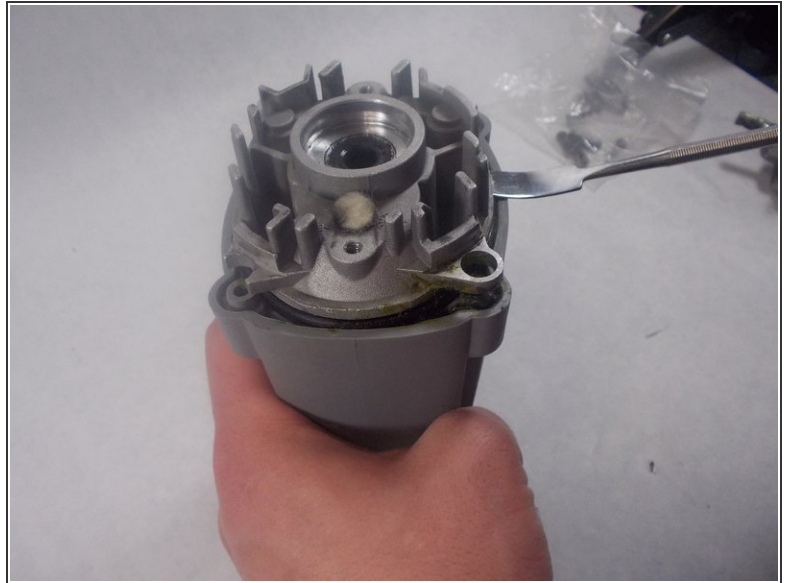
- Remove the two 11.5mm T10 Torx screws shown in red.

## Step 8



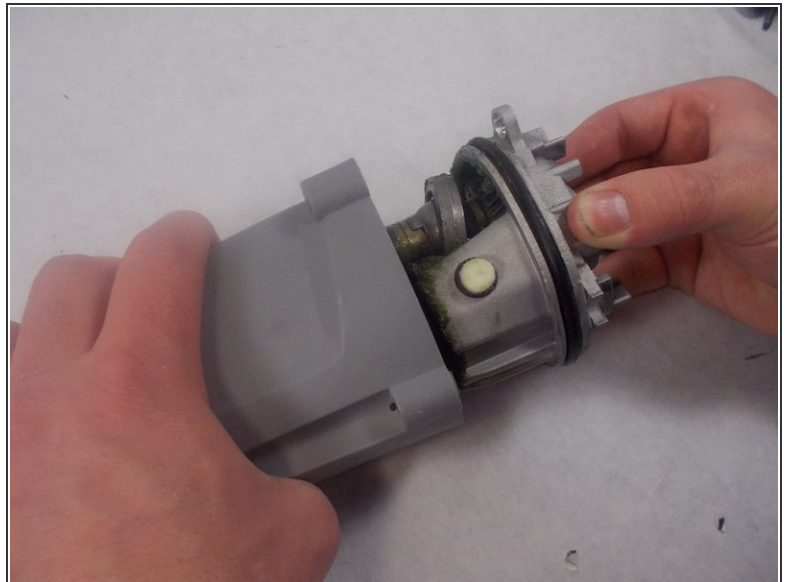
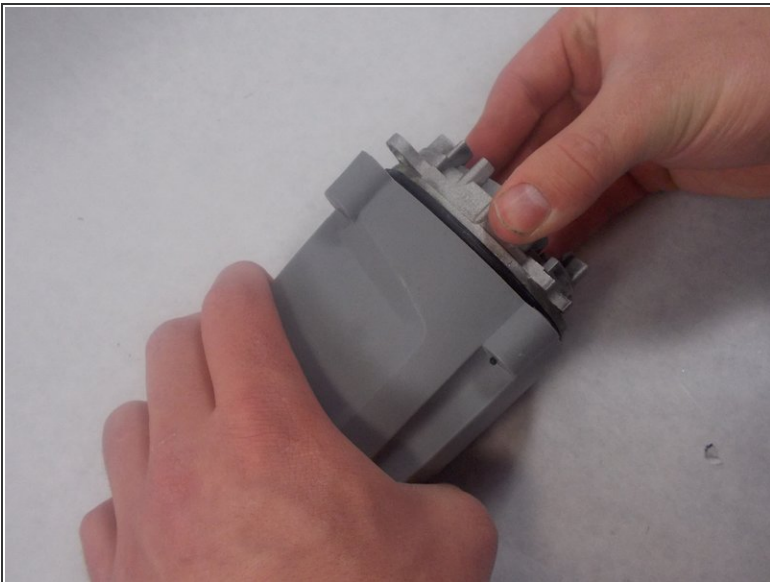
- Pull the 120V armature assembly out of the diaphragm assembly.

## Step 9



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

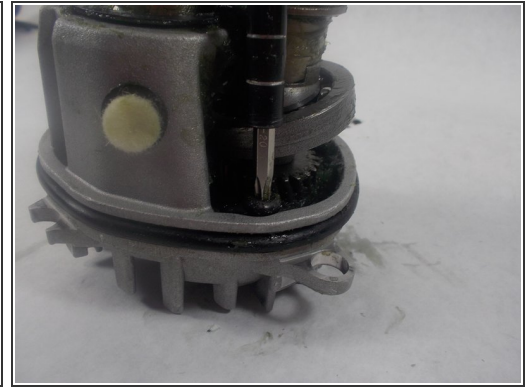
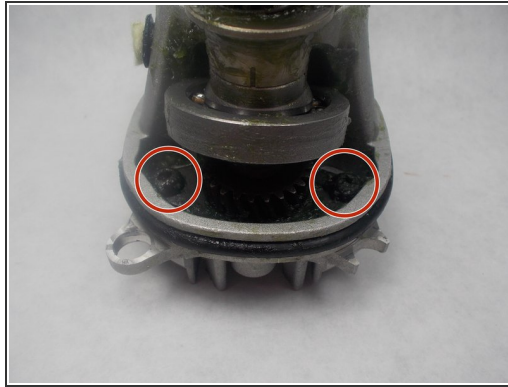
## Step 10



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



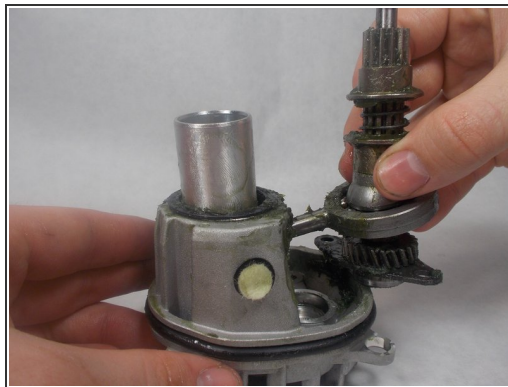
## Step 11



**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.

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