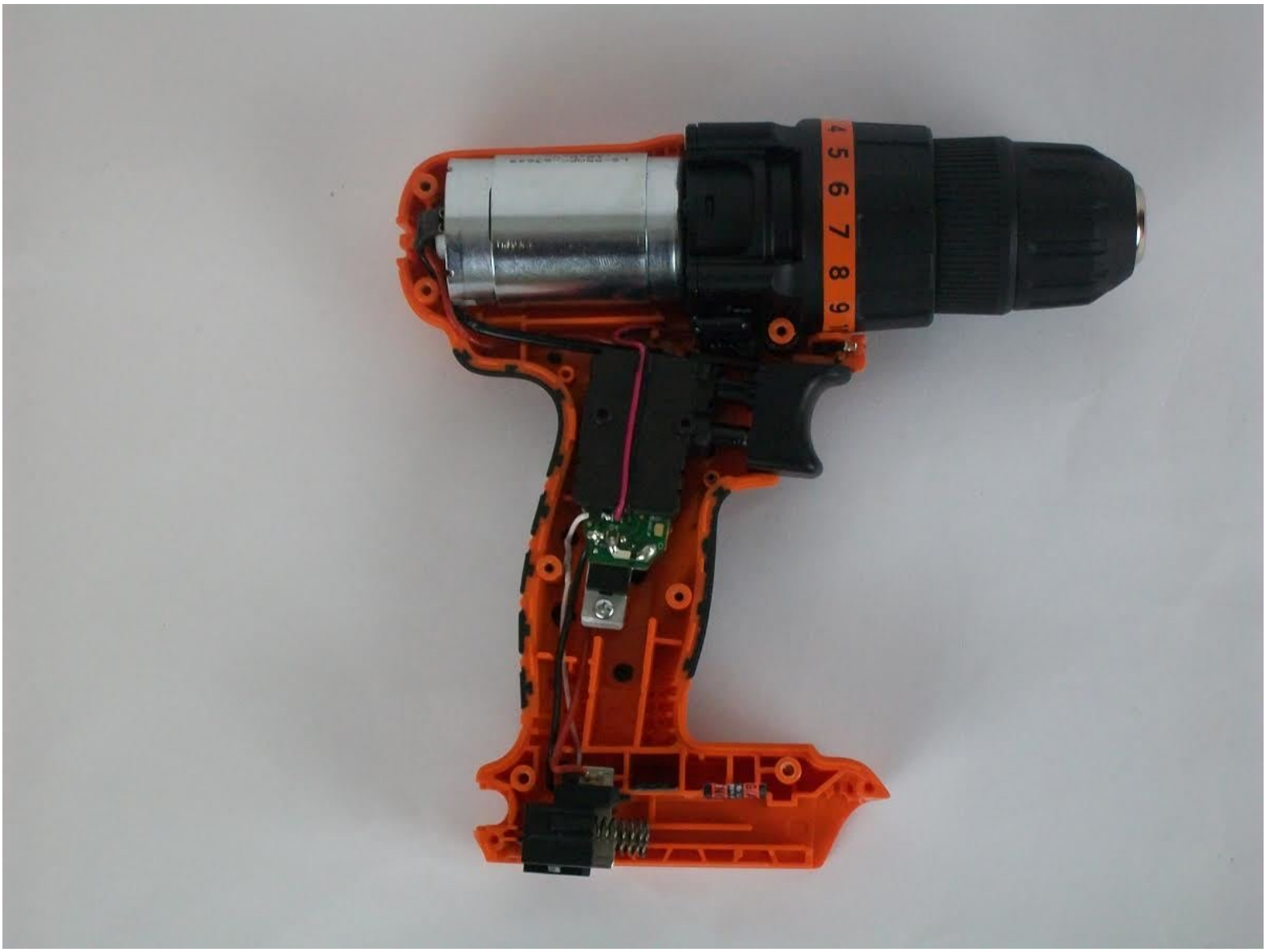
# Black and Decker LDX 120C Gear Replacement

This guide will demonstrate a step by step process on how to replace the drill's gear.

Written By: jeffrey zakka





## INTRODUCTION

If the drill isn't working effectively it might be because of the gears, so this guide will show a step by step process on how to access the gear and to change necessary components.

## TOOLS:

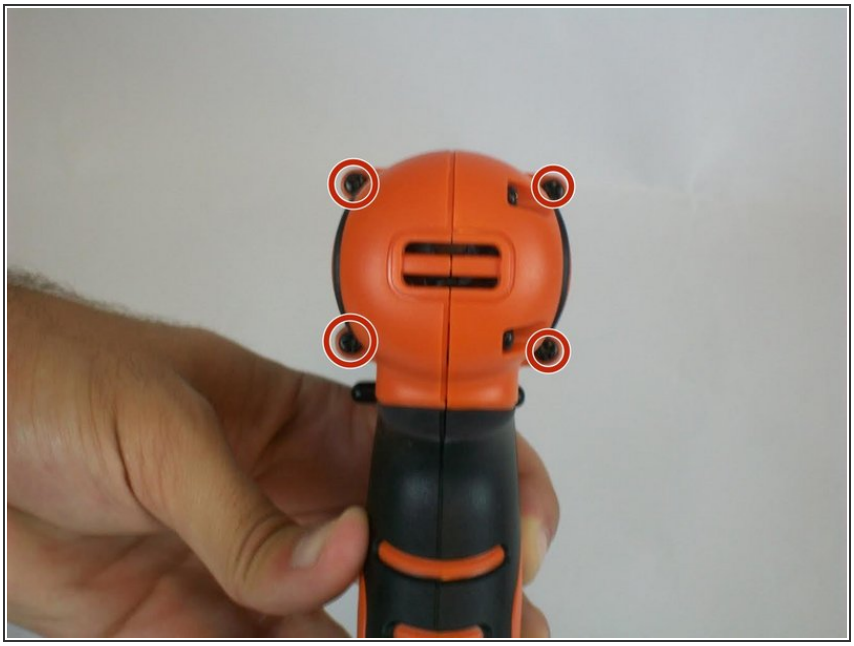
- Phillips #1 Screwdriver (1)
- IFixit Pro Tech Toolkit (1)

## Step 1 — Outer Case


For this guide we will need to use a 1.0 mm phillips #1 screw.

There are a total of thirteen screws that need to be removed in order to open the drill and access the interior components.

## Step 2



- Remove the four screws on the back top side of the drill.

## Step 3

- Remove the four screws that connect the chuck to the drill.

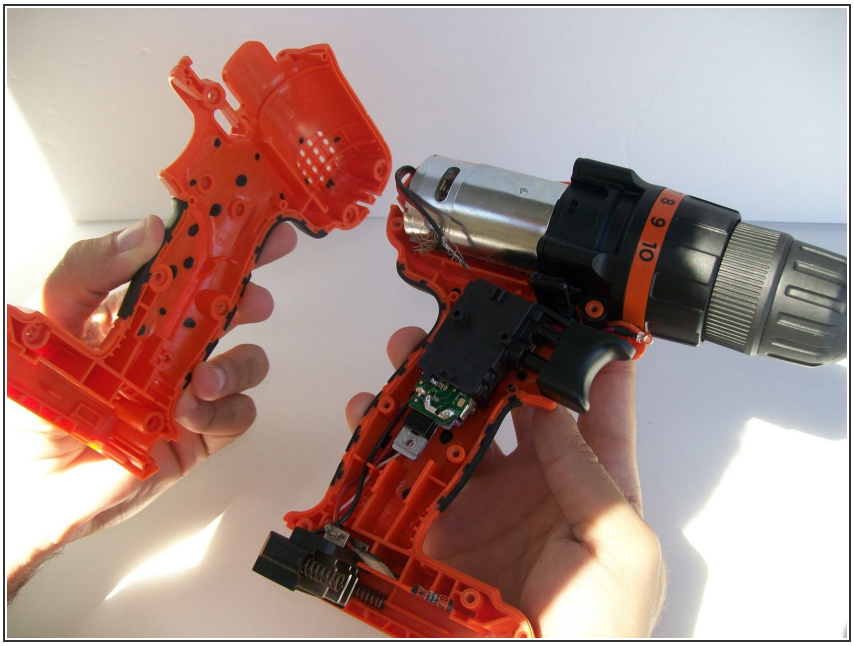
## Step 4

- Remove the five screws on the front side of the drill.

## Step 5

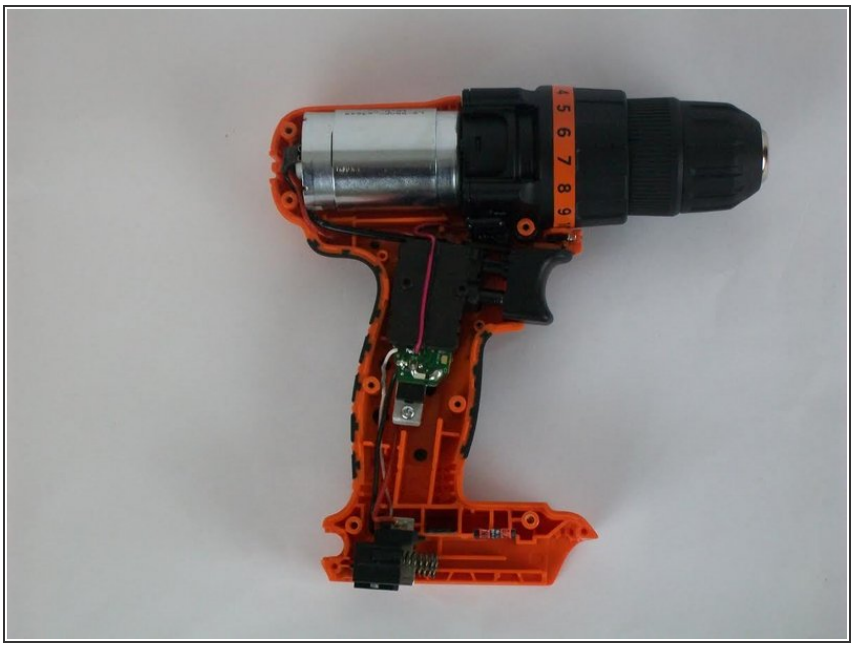
- Gently grab both sides of the drill casing, and separate both sides from each other.

## Step 6



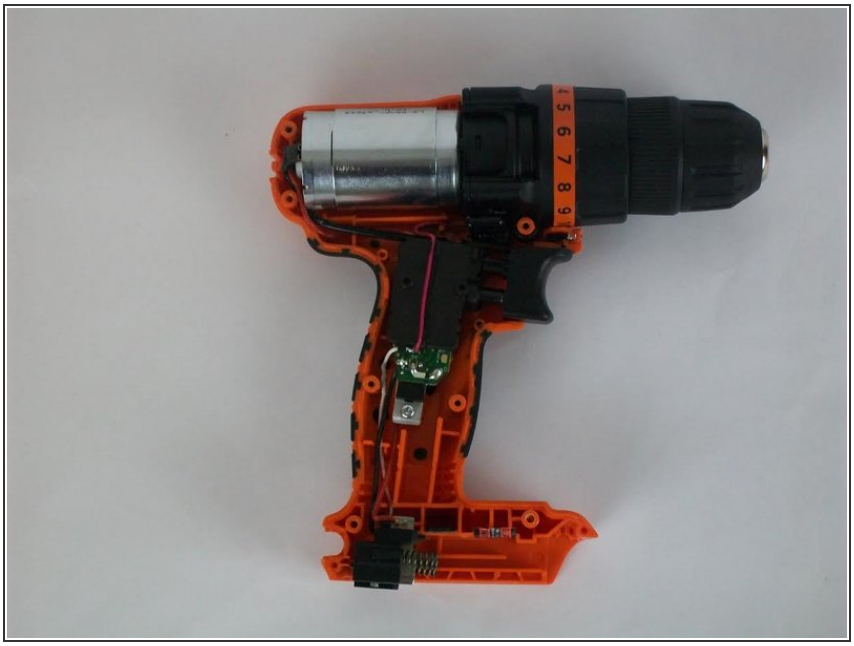
- At this point you should be able to separate both as illustrated.

## Step 7



Now all the components of the drill are visible and can be accessed.

## Step 8 — Gear

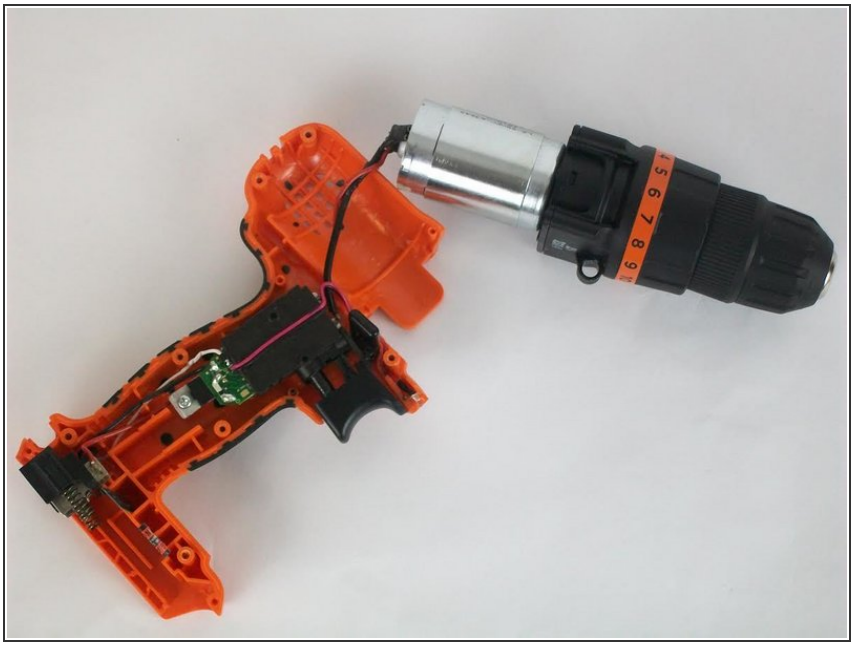


- After following the prerequisite guide you will be able to access the interior components of the drill.

## Step 9

- Gently remove the top part (motor and chuck) from the rest of the drill.

## Step 10



Make sure you do that with care so that the connection doesn't get damaged.



## Step 11

- To be able to get into the gears you will need to separate the motor from the rest.
- And then you will be able to access the gears which is located between the motor and the chuck.

## Step 12


- Twist the gauge to change between the gear.
- If you don't hear a clicking sound then check the gears.

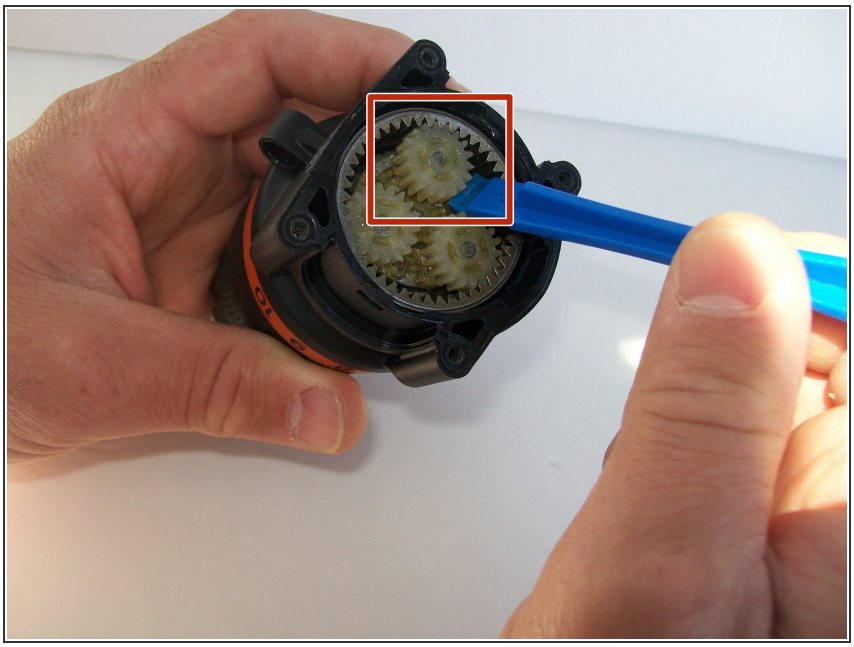
## Step 13

- Twist the gear and see if the three gears rotate without jamming.

## Step 14

- Check if any gear is chipped or broken in any way.
- If it is then you will need to change the broken gear.

## Step 15

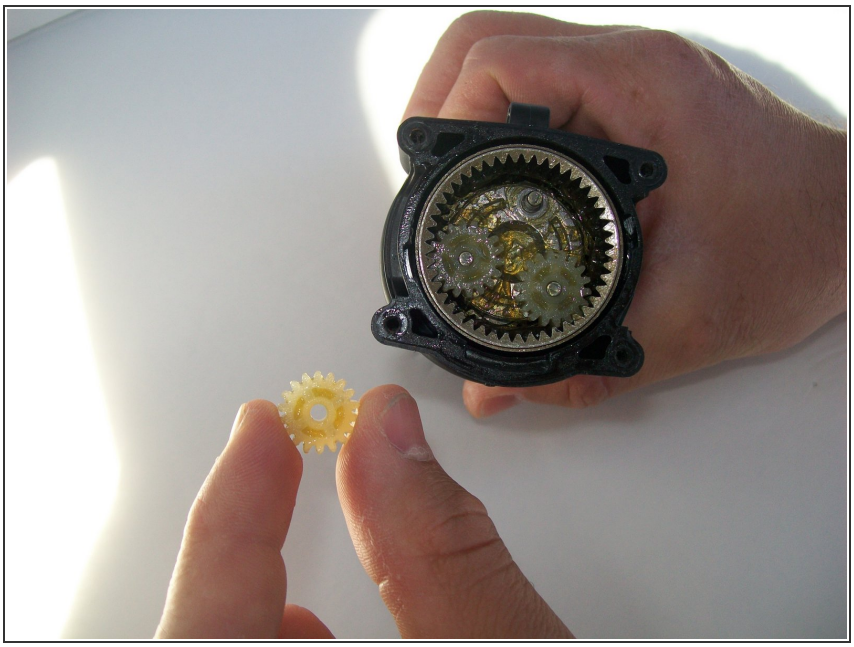


- Using the spudger place it under the gear as illustrated.

## Step 16

- The gear will remove with just a little amount of force.

## Step 17



- The gear has been removed and now can be replaced by another gear.

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