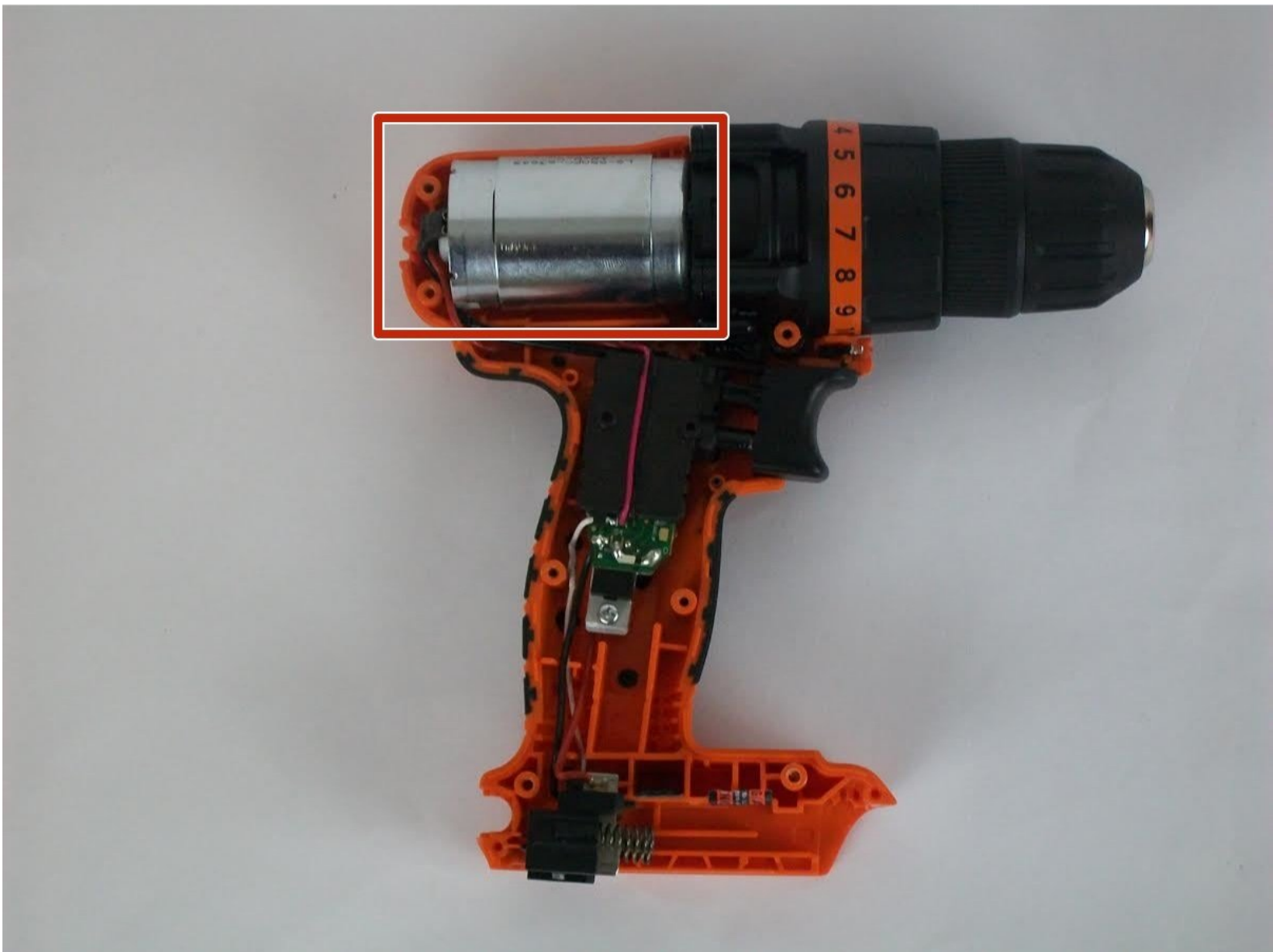# Black and Decker LDX 120C Motor Replacement

This guide will demonstrate how the remove the motor from the drill by following a step by step illustration.

Written By: jeffrey zakka

# INTRODUCTION

In this guide the user will be able to follow a step by step process on how to open the drill and to check on the motor.
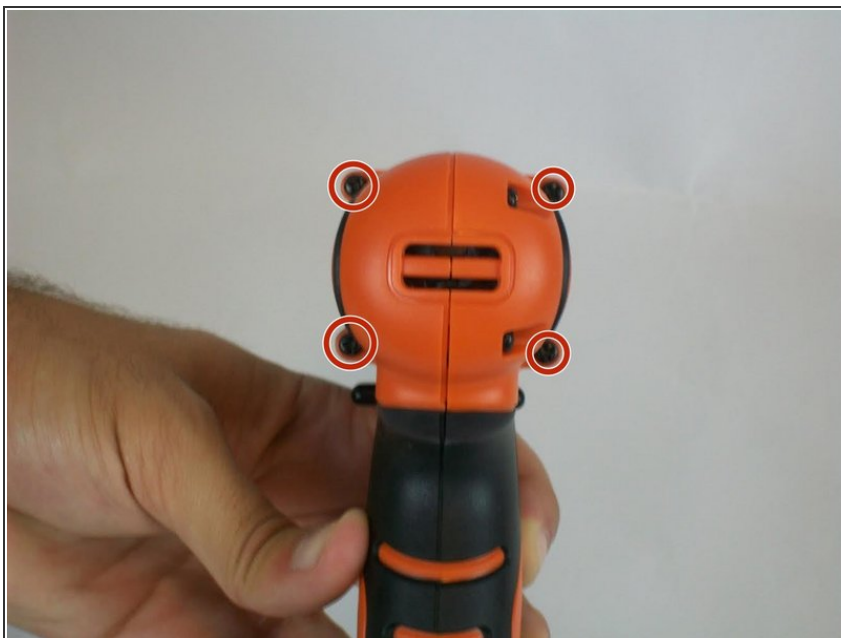
## 🔧 TOOLS:

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

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## 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.

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## 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.
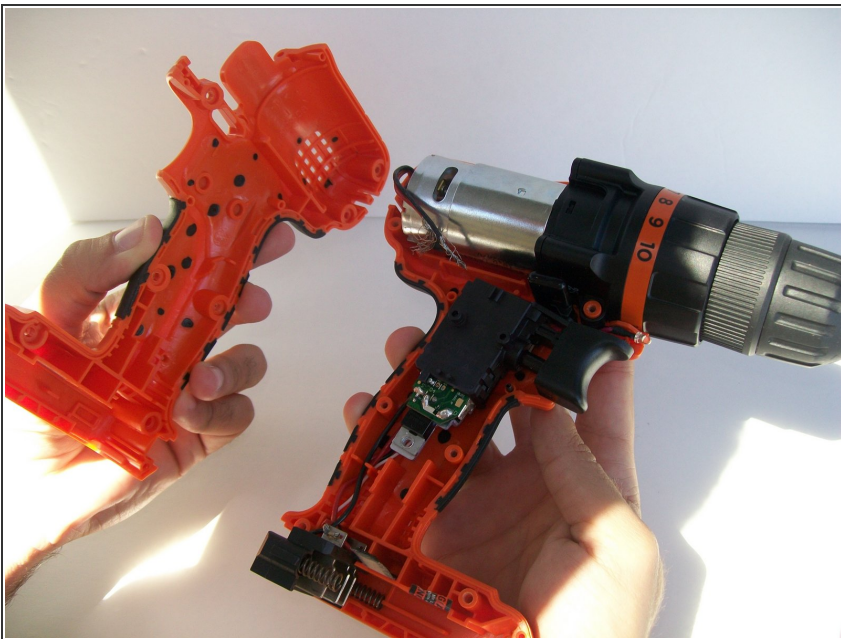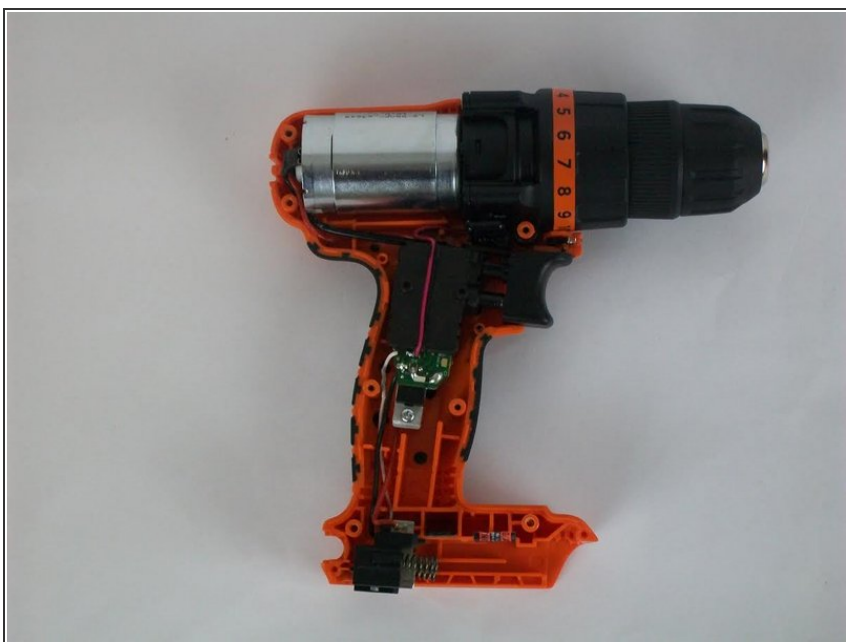
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## Step 5



● Gently grab both sides of the drill casing, and separate both sides from each other.
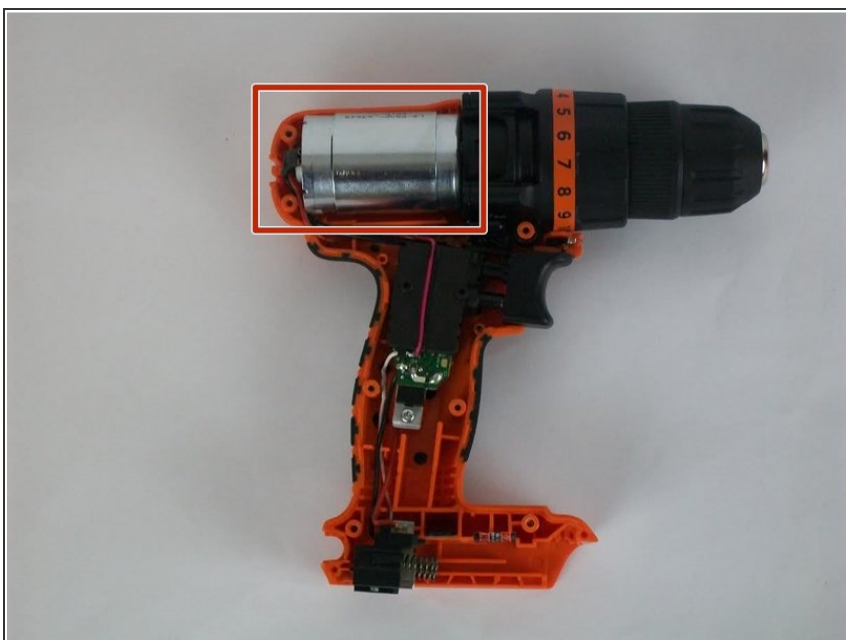
## Step 6



● 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.
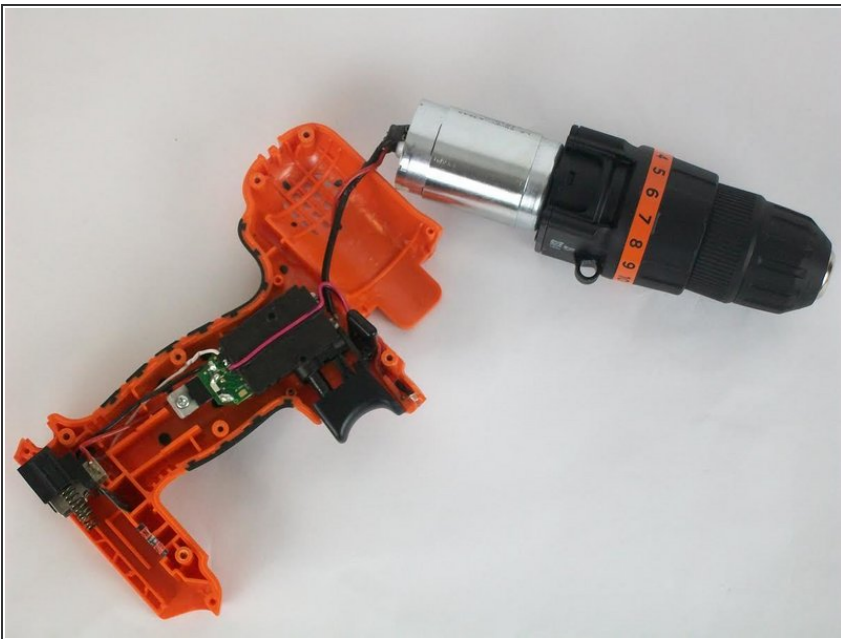
## Step 8 — Motor



● After following the prerequisite guide the interior components can now be accessed.

● The motor is the silver cylinder in the top part of the drill.

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## Step 9



● Separate the top from the rest of the components.

## Step 10



ⓘ Do this carefully so that no damage is done to the connection.

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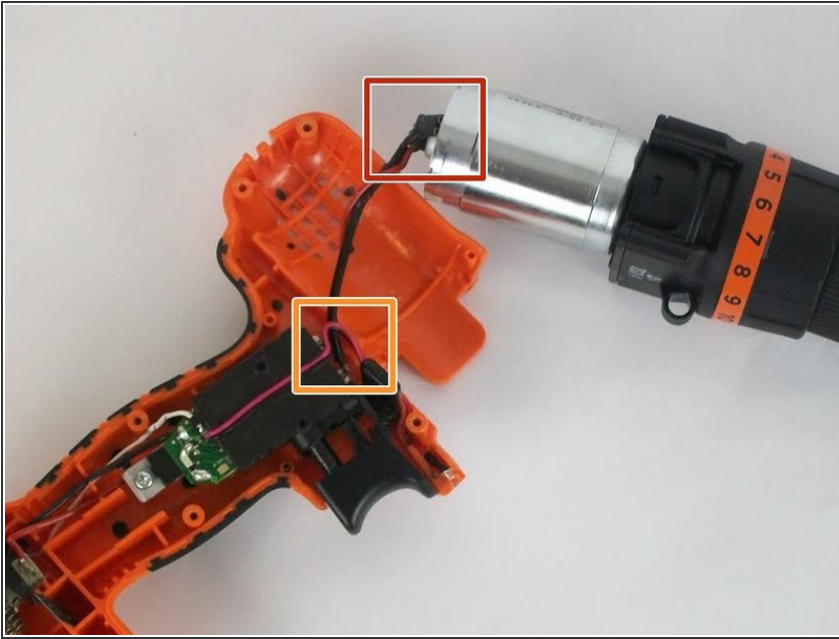
## Step 11



- Check if the connection from the motor to the trigger is connected.

- Then check if the connection to the chip is not intact.

- If the connection is okay then the motor is probably weak and needs to be replaced.

## Step 12



- To remove the motor simply twist as illustrated in the picture.

- The way the motor is designed for the LDX 120C is that it is protected inside the aluminum cylinder which works as a magnet.

- The inside part of the motor can not be accessed, so you will have to replace the entire motor.

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## Step 13



- Unscrew the black plastic support from the motor.

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

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