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.

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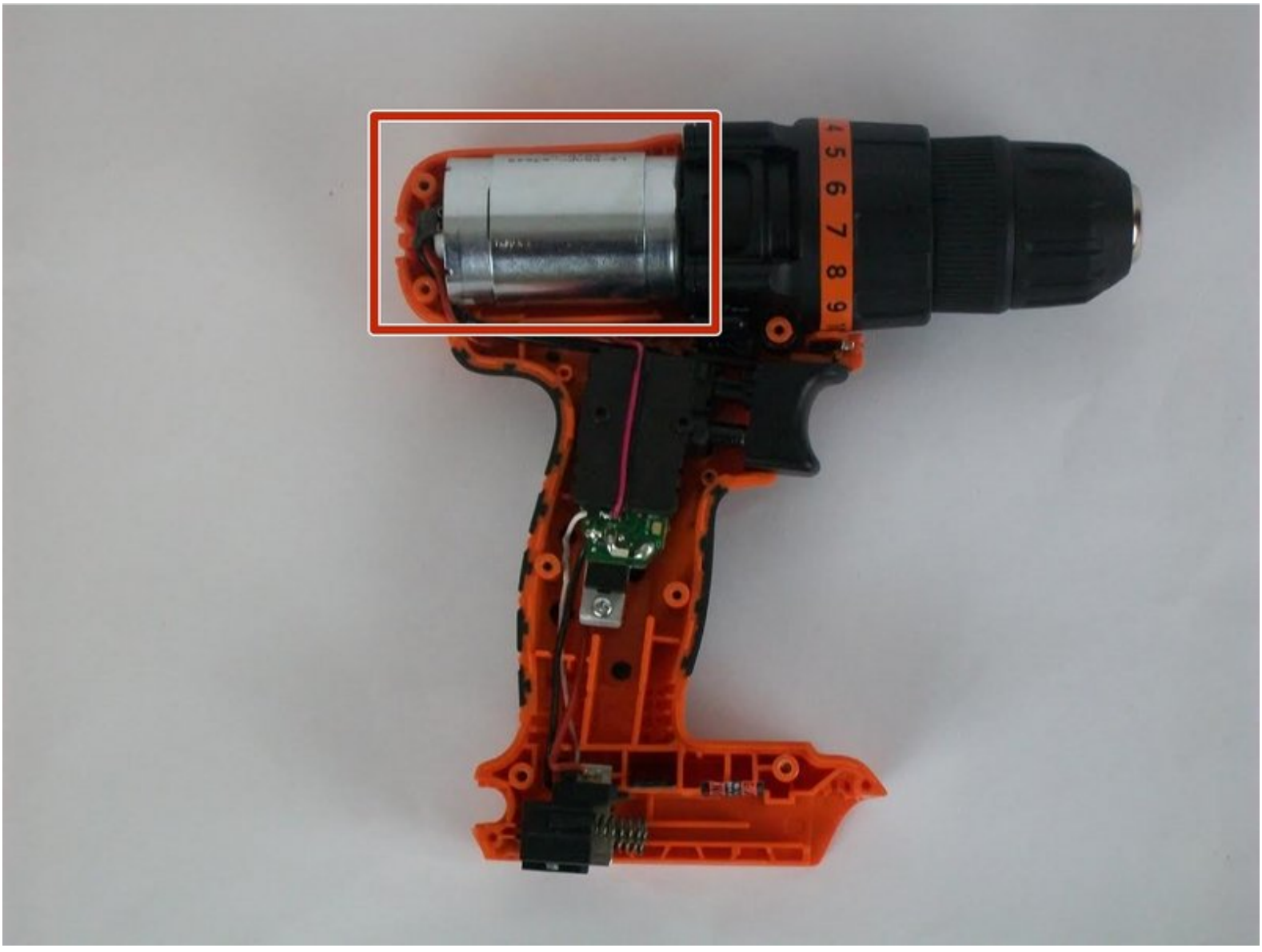


INTRODUCTION

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.

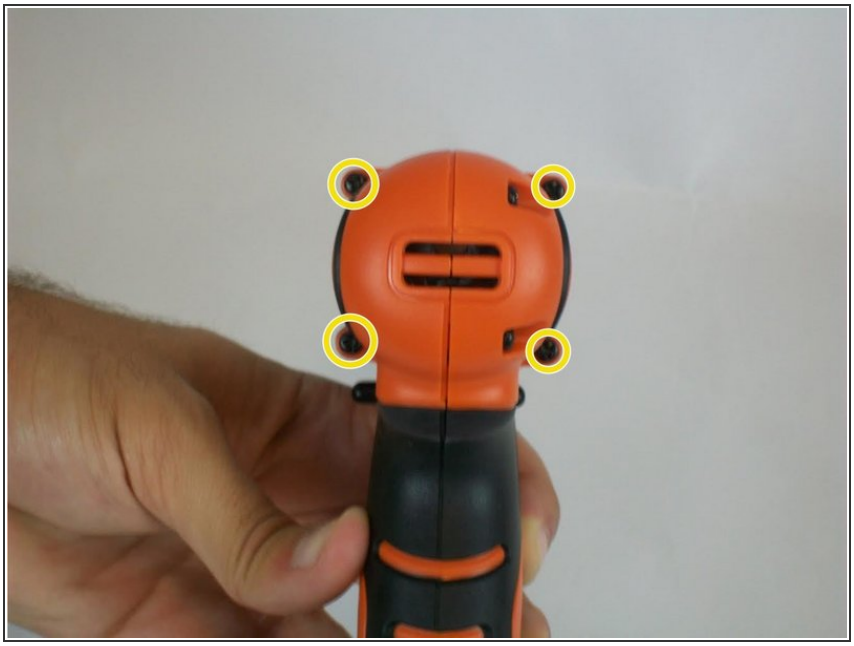
TOOLS:

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

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.

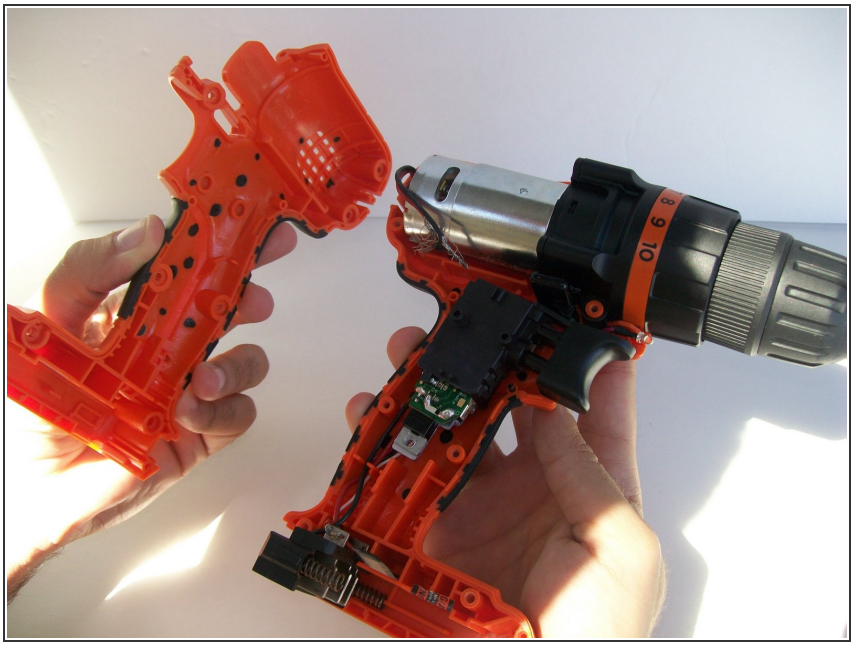
Step 4

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

Step 5

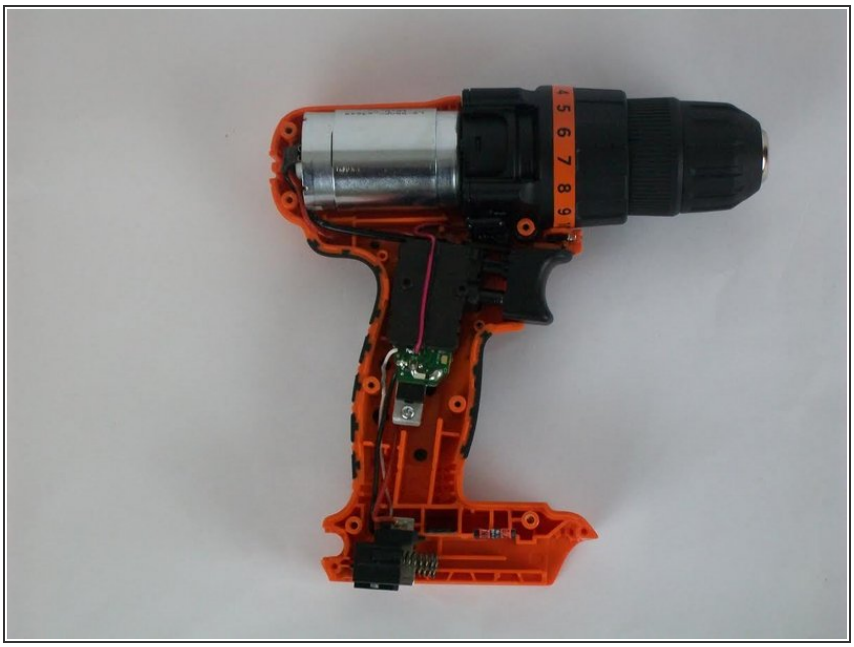
- Gently grab both sides of the drill casing, and separate both sides from each other.

Step 6



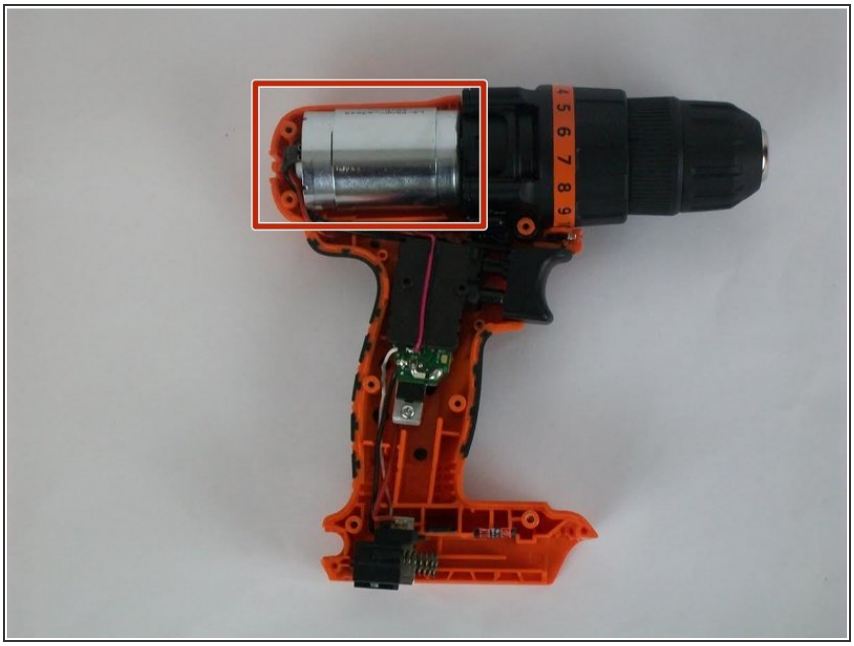
- At this point you should be able to separate both as illustrated.

Step 7



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

Step 8 — Motor

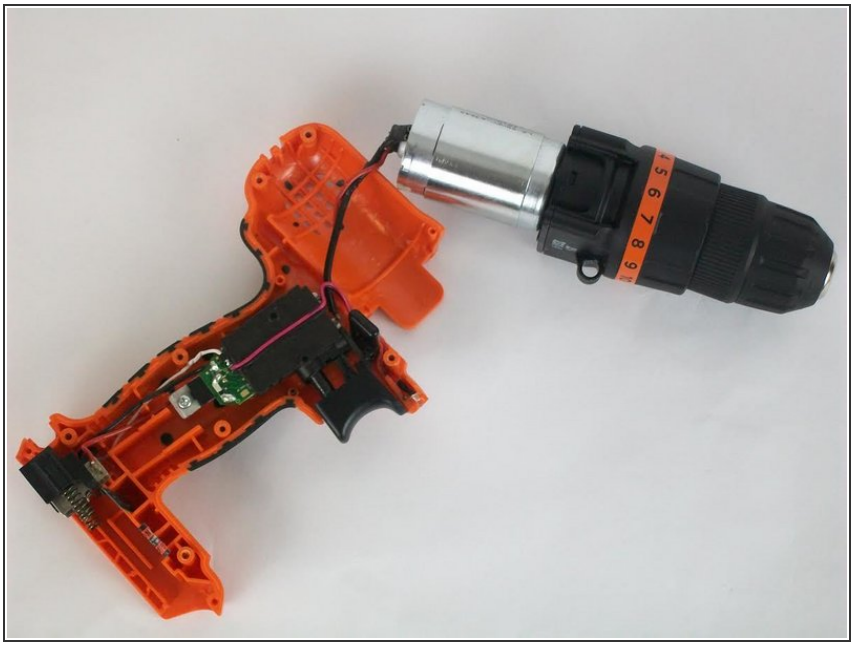


- After following the prerequisite guide the interior components can now be accessed.
- The motor is the silver cylinder in the top part of the drill.

Step 9

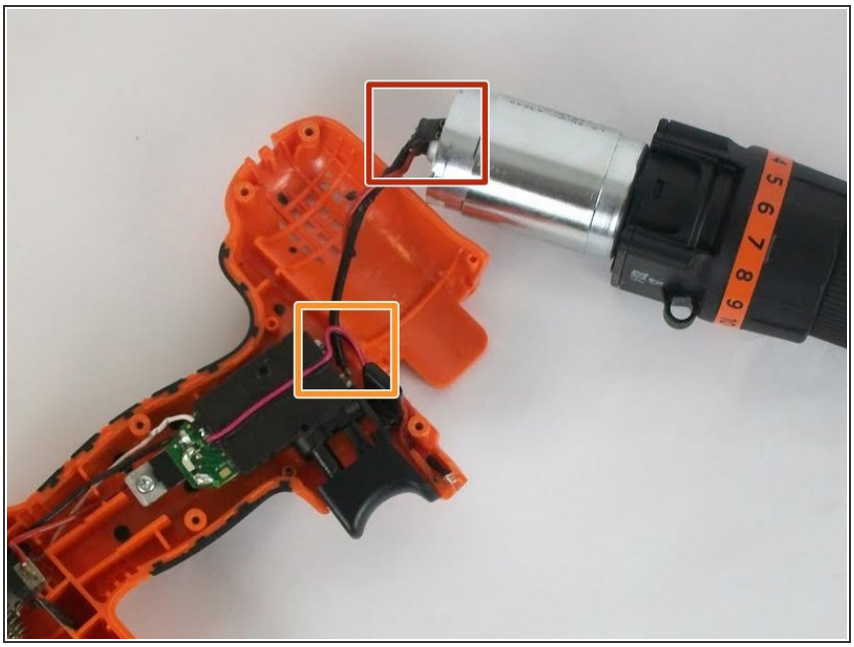
- Separate the top from the rest of the components.

Step 10



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

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.

Step 13

- Unscrew the black plastic support from the motor.

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