



Bosch 36618 Drill Driver Teardown

Overview of how to take apart a Bosch 36618...

Written By: Calvin



INTRODUCTION

Overview of how to take apart a Bosch 36618 cordless drill driver. I will be taking apart the drill and cleaning bits and pieces as I go. I am not fixing or repairing any particular part of the drill. I hope you find this guide helpful!



TOOLS:

TR10 Torx Security Screwdriver (1)

T15 Torx Screwdriver (1)

Step 1 — Preparing the Teardown



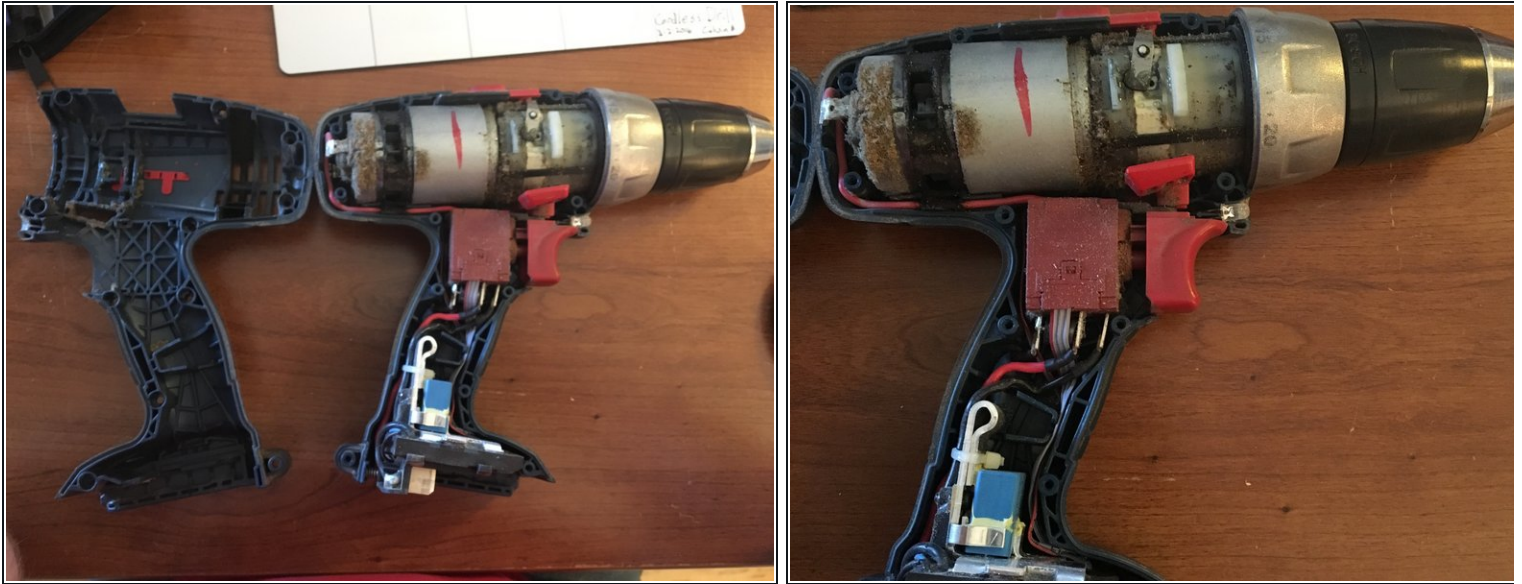
- Remove the battery before any disassembly.
- Prepare a workspace by having a clean, level surface and any required tools within reach.

Step 2 — Remove Exterior Screws



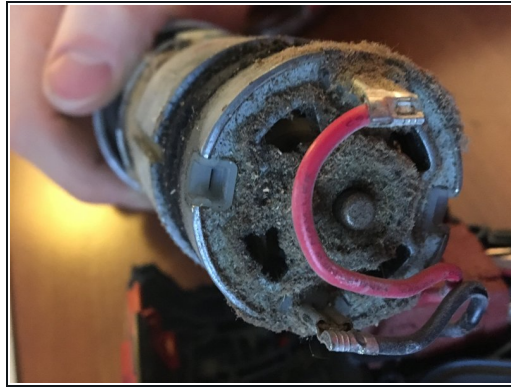
- Remove the 11 T10 Torx screws from the exterior of the drill driver.
- The screw circled in orange is recessed quite far and might not be reachable with certain T10 screwdrivers.

Step 3 — Split the Drill in Half



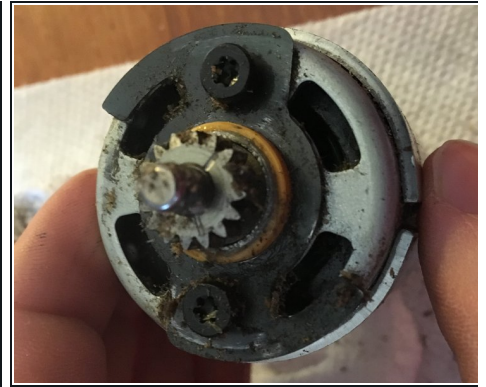
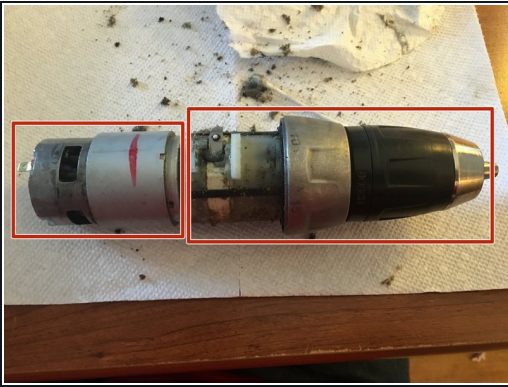
- After the 11 exterior screws are removed, pull the plastic housing pieces apart.
 - There are no tabs or plastic flaps holding the two pieces together. Pull straight up and the two pieces should separate easily.
- Check out all that dust by the motor, that can't be efficient!
- The second picture is a closer up shot the side with all the electronic goodies.

Step 4 — Remove the Motor and Chuck Assembly



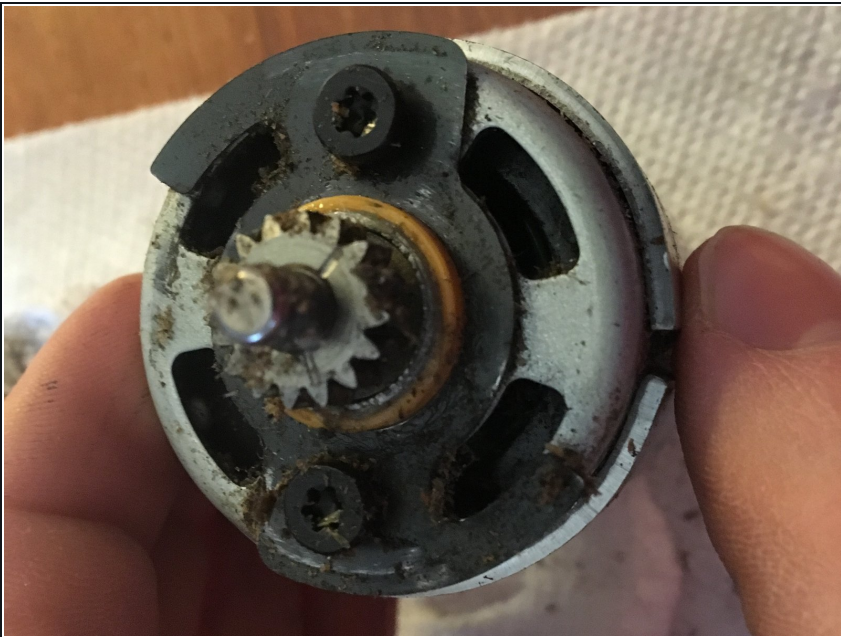
- The motor and chuck assembly can be pulled up and out.
 - Be aware of the speed selector (first picture) which is slotted onto the motor and chuck assembly as you remove it.
- Remove the electrical connections. The colors are marked on the motor so no need to remember which side is which.
 - The electrical connections are spade terminals with a little locking piece on the front (non flat) side of the spade. Push the lock to the back and pull the connector straight out.
- What's remaining is the motor and chuck assembly (third picture).
- The chuck can be removed with a hex key, I didn't go that far in the disassembly.

Step 5 — Split the Motor and Chuck Assembly



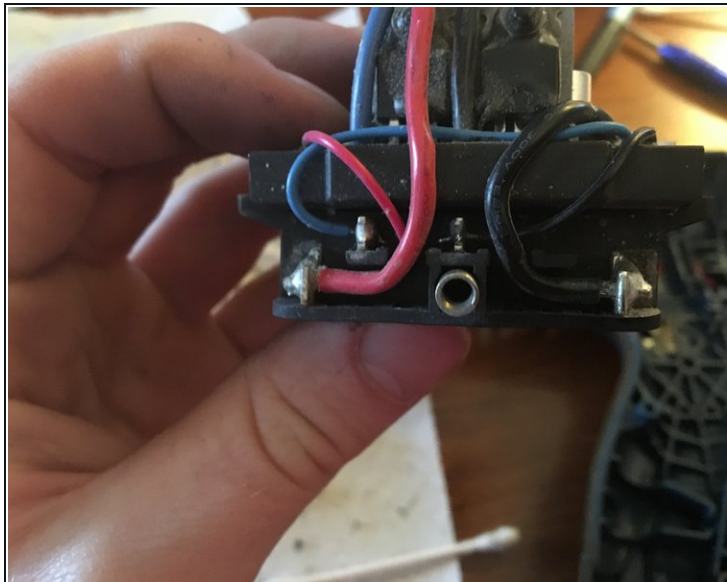
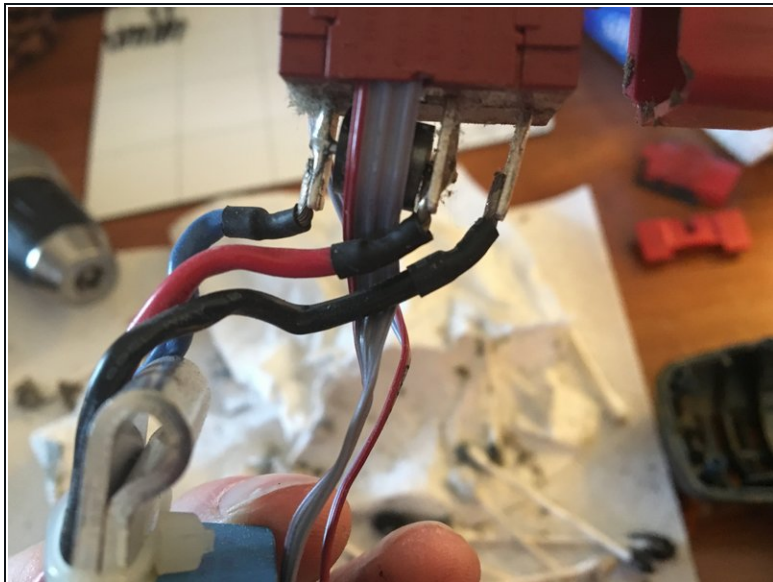
- The motor can be removed from the chuck assembly with a clockwise twist.
- The two red boxes in the first picture depict where the separation will occur.
- The second picture shows the connection on the chuck assembly side.
- The third picture shows the connection on the motor side.

Step 6 — Remove Slide Plate



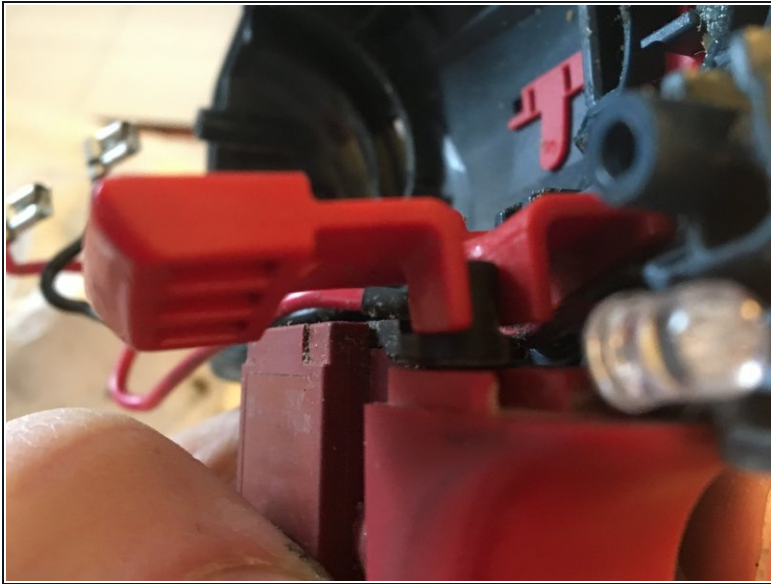
- Remove the black plate on the motor by removing the two T15 Torx screws.
- When reassembling, slotting the gear pictured to the left back into the chuck assembly can be finicky. Be patient and take your time.

Step 7 — Electrical Connections Detail



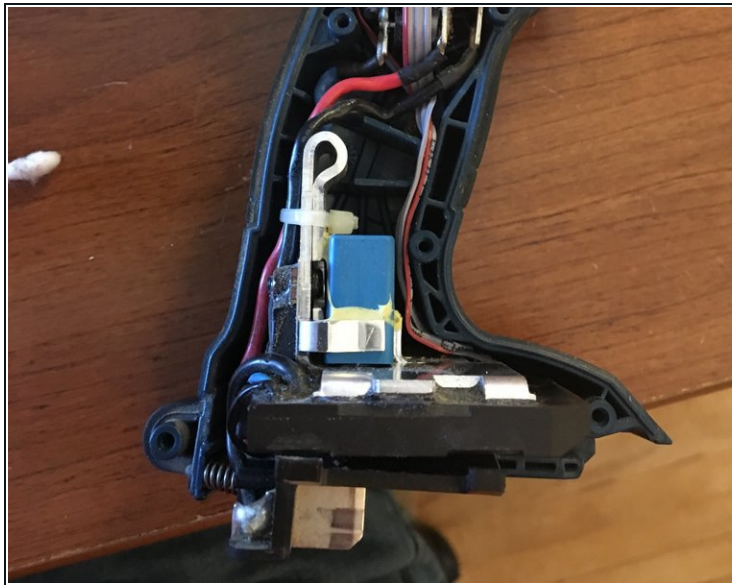
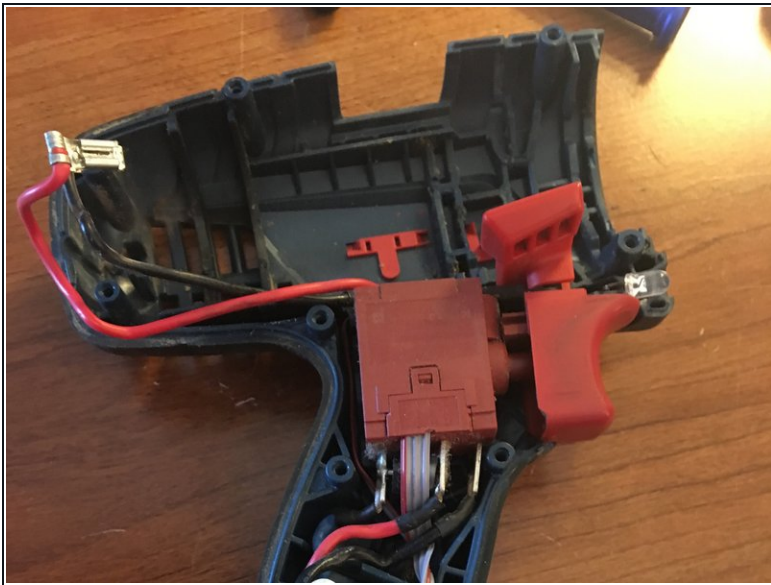
- Here are some closeups of a few electrical connections.
- Picture 1: connections to the trigger assembly.
- Picture 2: connections on the rear of the battery receptacle.

Step 8 — Miscellaneous Closeups



- Picture 1: closeup of the forward, revers, and lockout assembly.
- Picture 2: be cautious of this spring behind the battery receptacle, it likes to fall out.

Step 9 — A Few More Closeups



- Insert wisdom here.

Step 10 — Reassembly



- Here's the thoroughly cleaned and fully reassembled drill. No extra pieces, yay!
 - Picture 2. I relabeled the torque ring with Sharpie so that the markings were legible again.
 - Look at all that dust and particulates that were gunking up the drill! I'm sure the drill driver will operate more smoother and efficiently now.
 - Thanks for looking at my teardown! Happy fixing!
-