



DeWalt DW920 Motor Replacement

If your battery is charging but the drill still does not run when the trigger is pulled, the motor has most likely died. This guide will show step-by-step how to replace the motor.

Written By: Stephen Rada





TOOLS:

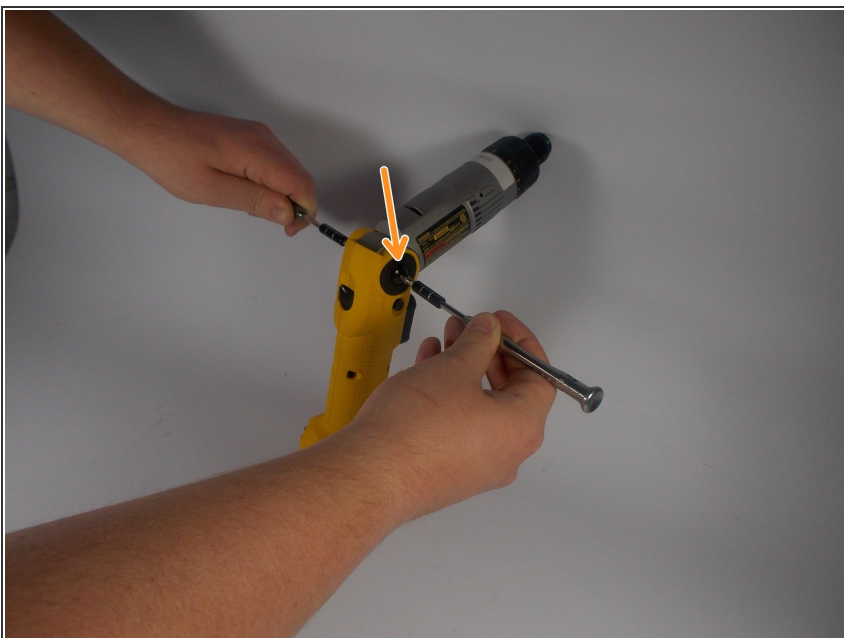
- [T10 Torx Screwdriver](#) (1)
 - [H5.0 bit Driver](#) (2)
 - [Soldering Iron](#) (1)
-

Step 1 — Disassembly



- Use a T-10 Torx bit screwdriver to take out the 4 screws shown.

Step 2



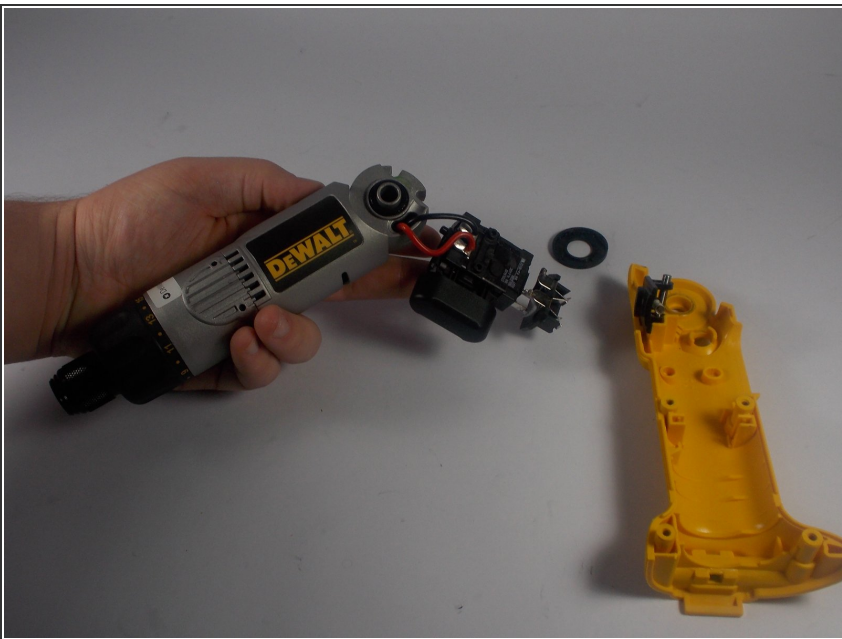
- Use 2 H-5.0 bit drivers to take out the main bolt and head.
- Note: there will be blue locktite on the tread

Step 3



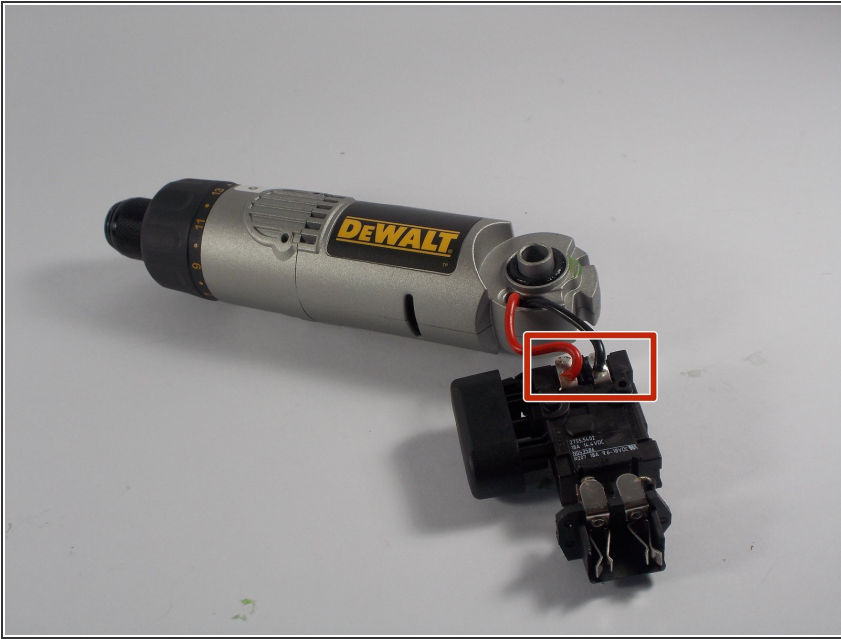
- Pull apart 2 halves of the handle.

Step 4 — Motor



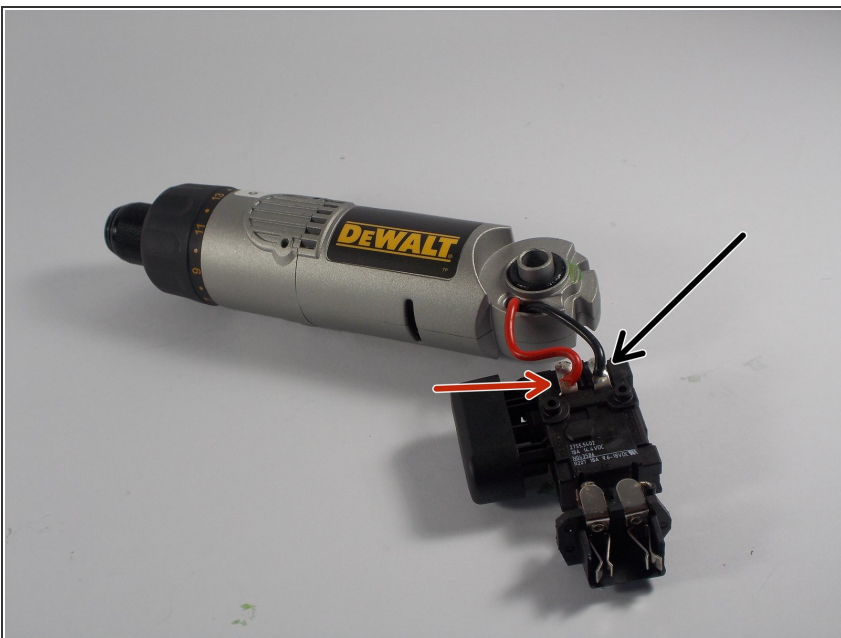
- Gently lift the motor and trigger mechanism out from the frame of the drill.

Step 5



- Locate where the motor assembly is attached to the trigger mechanism and carefully detach the wires at their solder points.

Step 6



- Solder the new motor assembly wires to the trigger mechanism in the same fashion that the old motor was.
- Note: Take care of where each wire connects because the wires must be soldered to the correct places on the trigger mechanism for the motor to run.

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