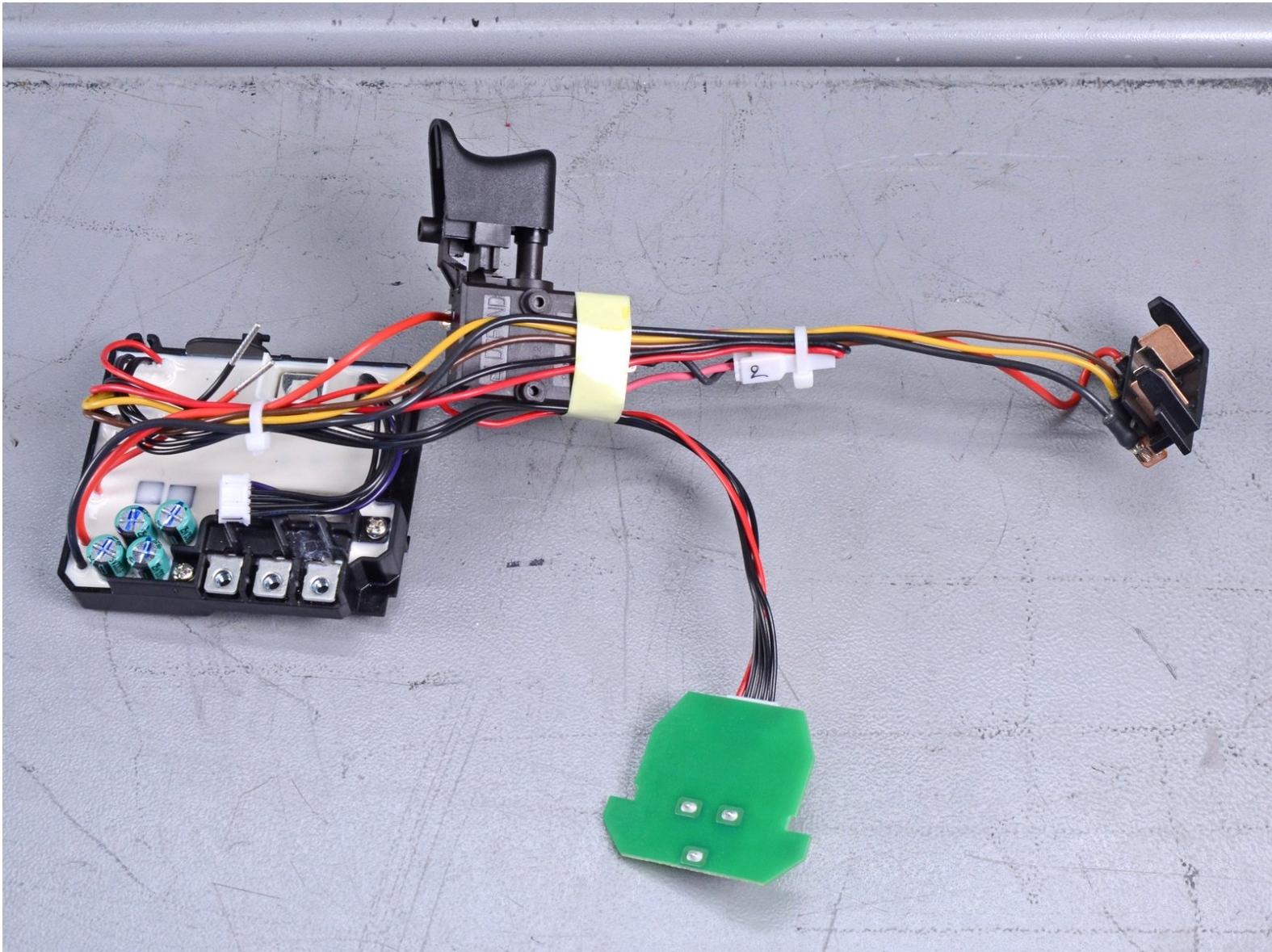




Dewalt Nailers DCN680D1 2018 Control Module Replacement

How to remove and replace the control module for the Dewalt Nailers DCN680D1 2018.

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INTRODUCTION

This guide shows how to remove and replace the control module for the Dewalt Nailers DCN680D1 2018.

The module is an all-in-one assembly, which includes the trigger mechanism, battery connector, and selector switch board.



TOOLS:

- [2.5 mm Hex Key](#) (1)
- [T20 Torx Screwdriver](#) (1)
- [T10 Torx Screwdriver](#) (1)
- [Flathead Screwdriver](#) (1)
- [Pick Tool](#) (1)



PARTS:

- [Dewalt Switch Module N531785](#) (1)

Step 1 — Remove the battery



i Before you begin the repair, remove the battery from the device.

Step 2 — Loosen the outer housing

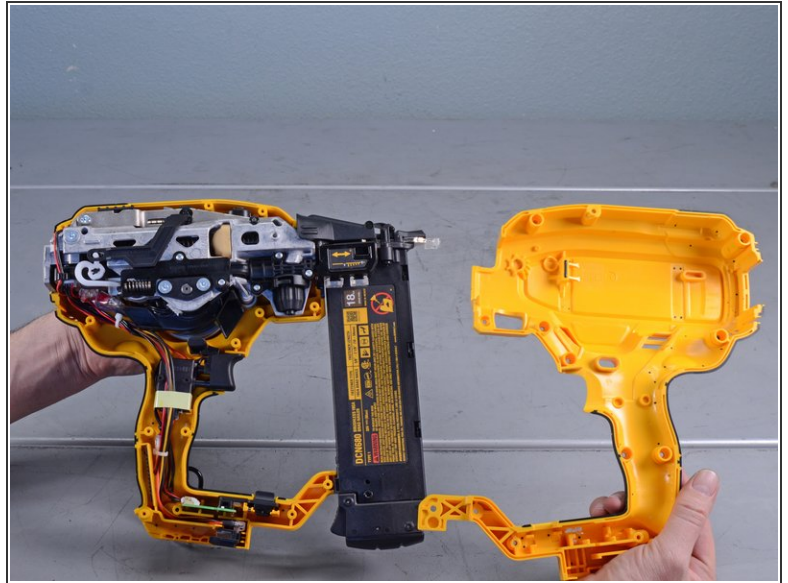


- Remove the following screws securing the outer housing:

- Twelve T10 screws
- One 2.5 mm hex screw

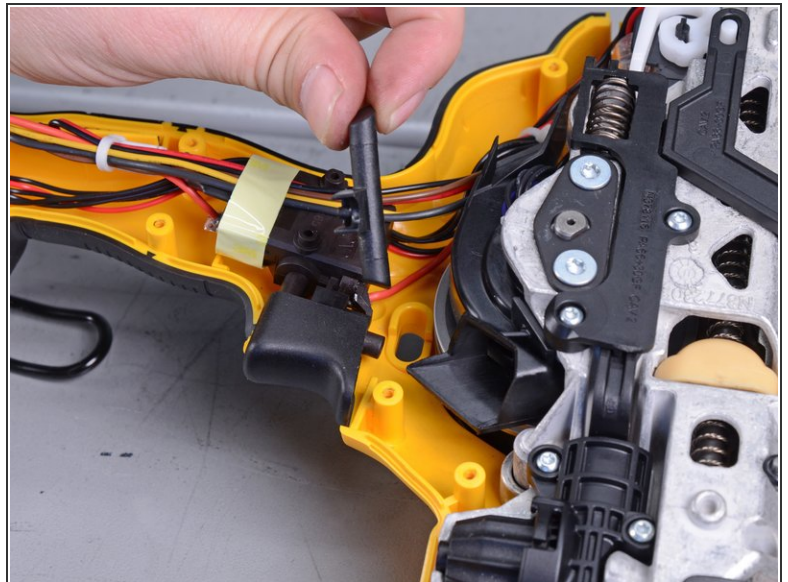
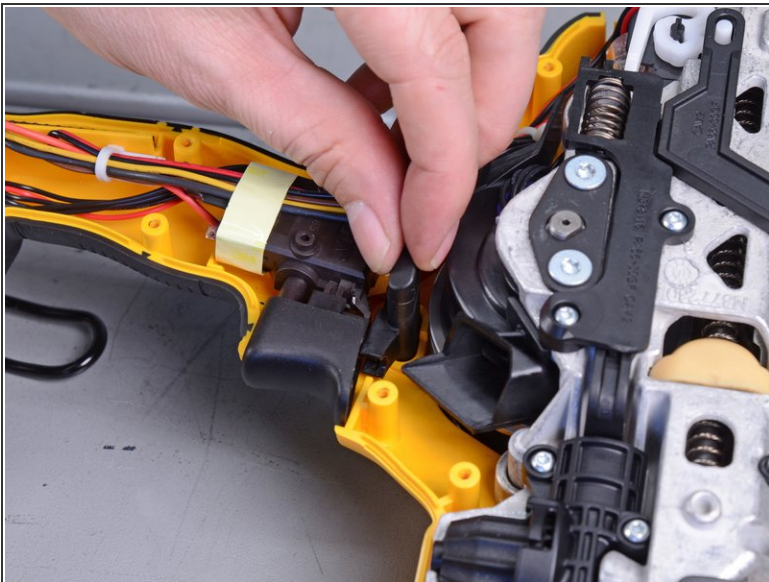
i Some of these screws are deeply recessed. You can use a flathead screwdriver to loosen these screws.

Step 3 — Remove the right housing



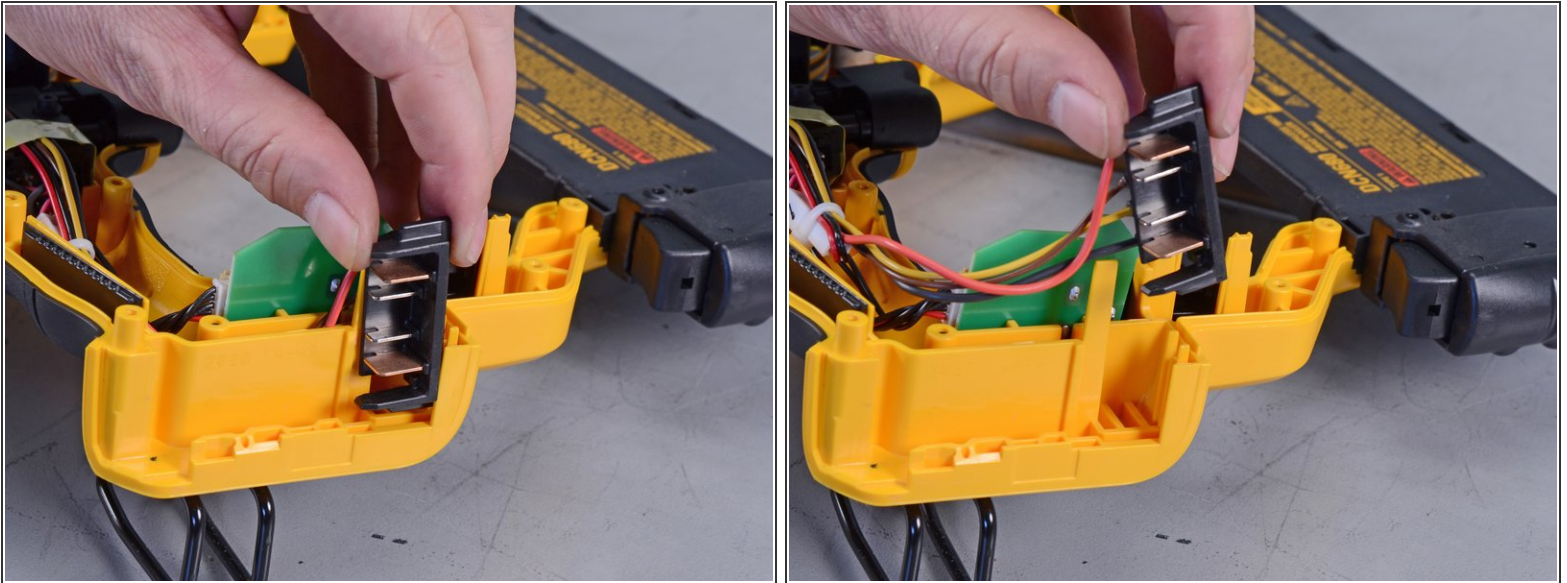
- Lift and remove the right housing from the device.

Step 4 — Loosen the internal parts



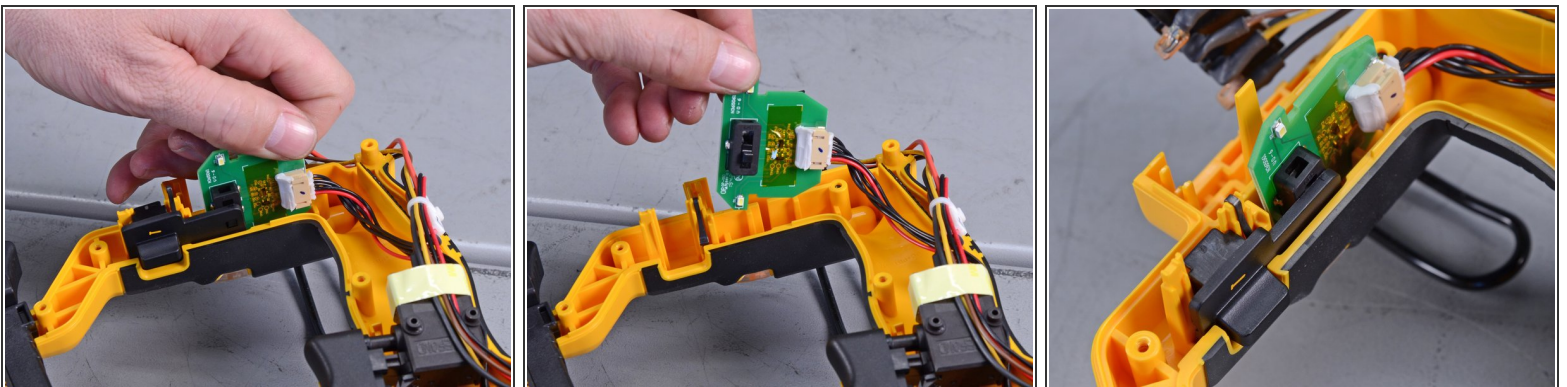
- Remove the lock button from its recess.
- ☑ During reassembly, make sure that the button is properly seated and engages the trigger.

Step 5



- Slide the battery connector out of its recess.

Step 6



- Remove the switch board, switch, and spring from its housing recess.
- ☑ During reassembly, use the third photo as a reference to help you set the components back in the housing.


Step 7 — Remove the left housing



- Carefully flip the device over.
- Remove the left housing from the device.

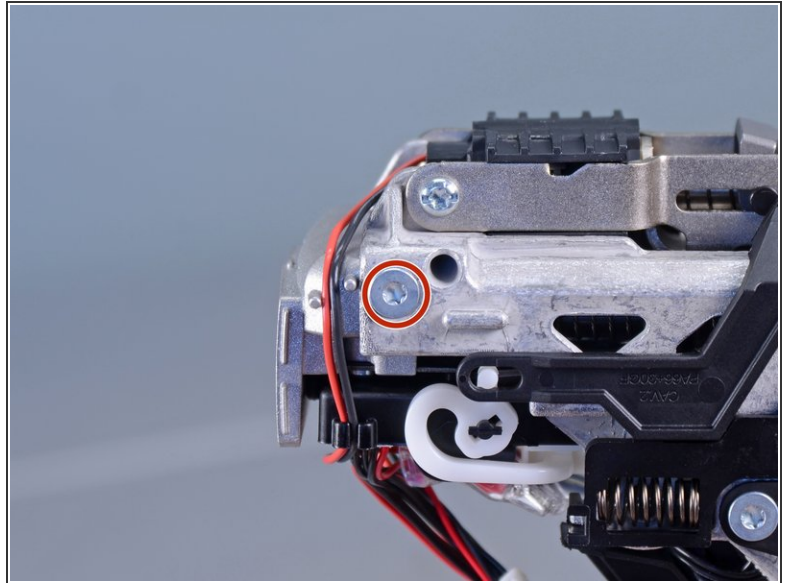
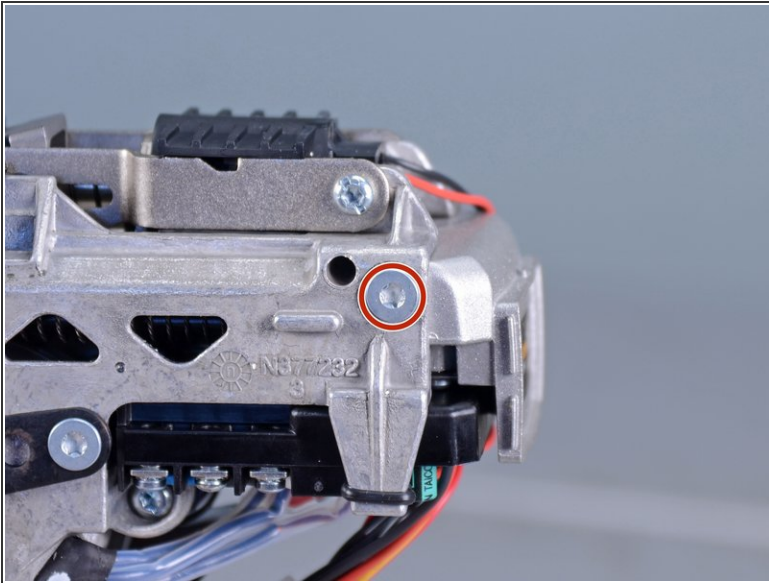
Step 8



 The spring under the release button has a tendency to fly out. Be careful not to lose the spring.

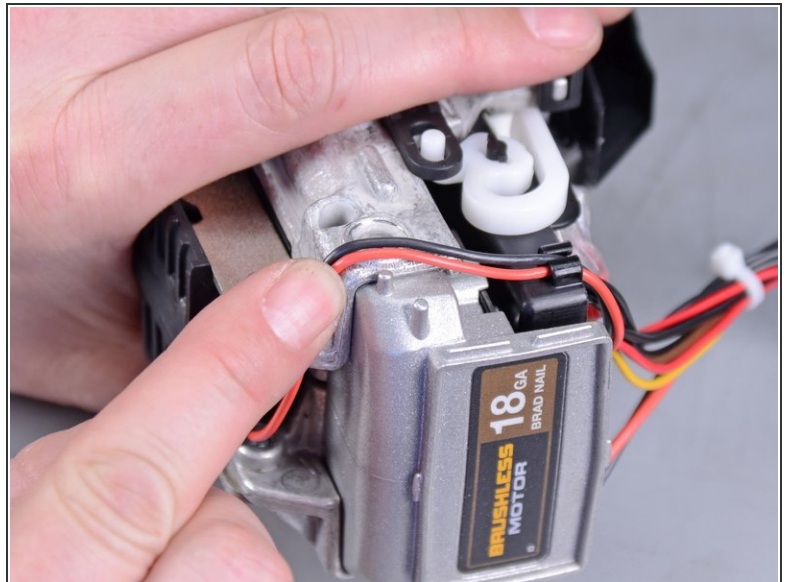
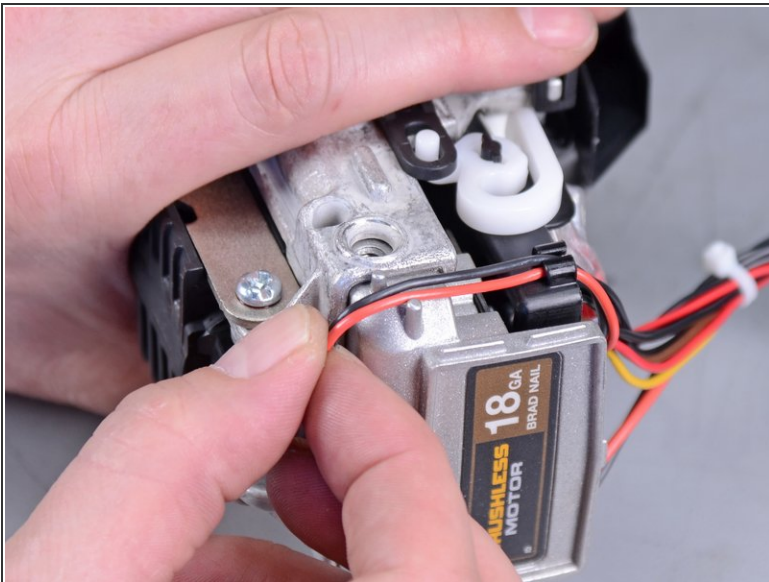
- Carefully remove the release button from the device.
- Remove the button spring from the device.

Step 9 — Remove the back support



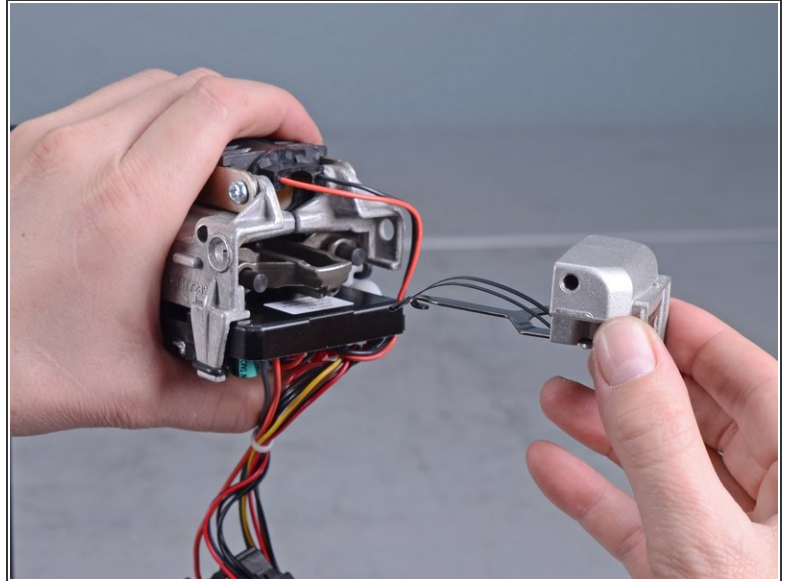
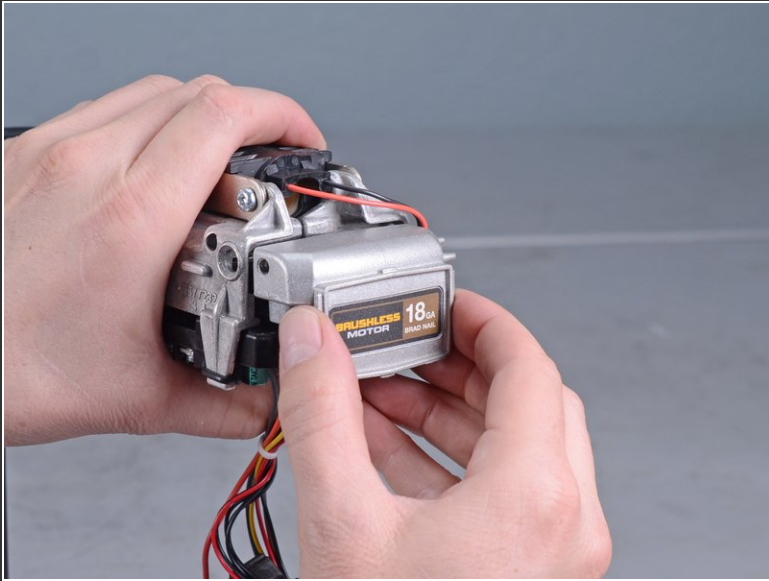
- Use a T20 driver to remove the two screws (one on either side) securing the back support .

Step 10



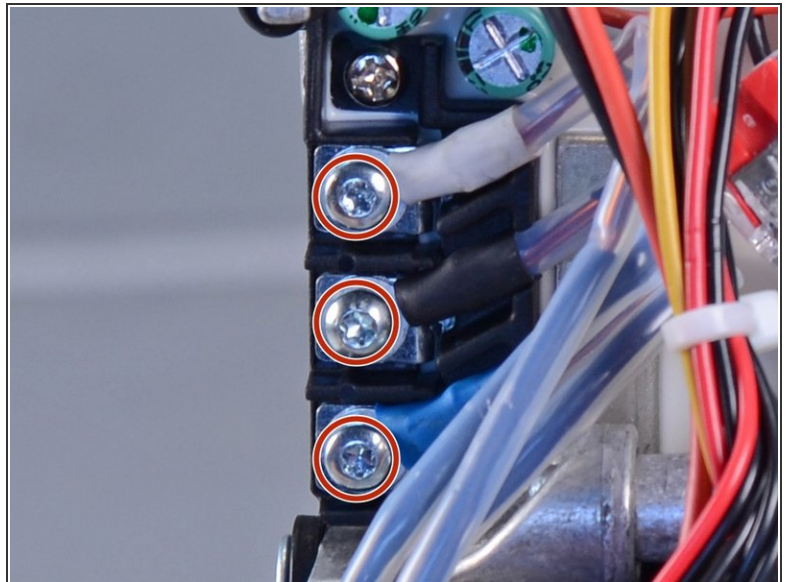
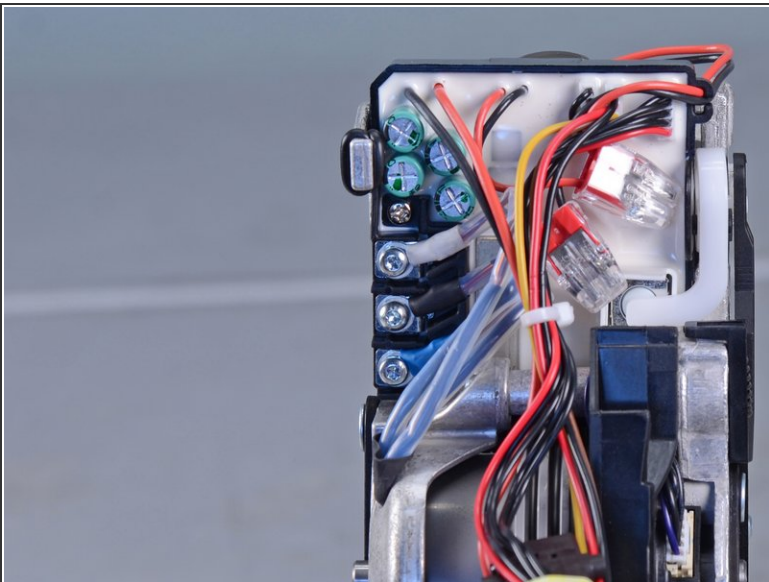
- Loosen the two solenoid wires from the back support.

Step 11



- Pull the back support straight out of the device.

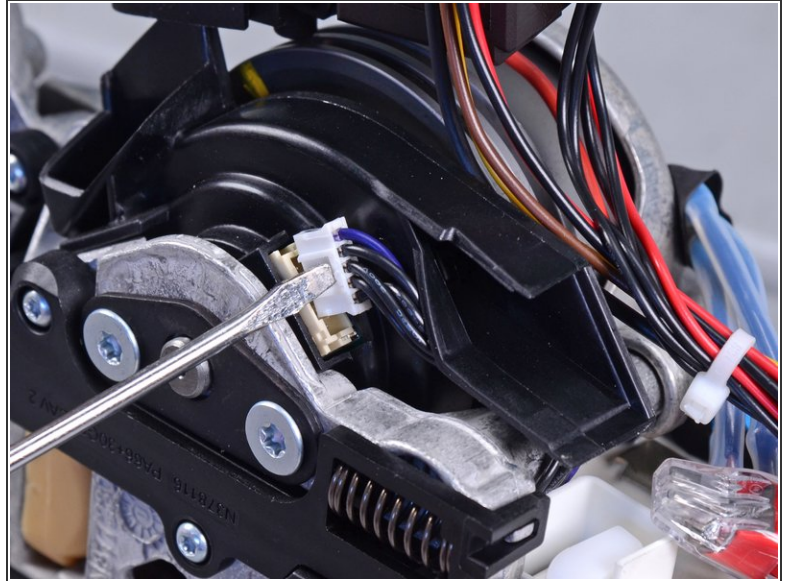
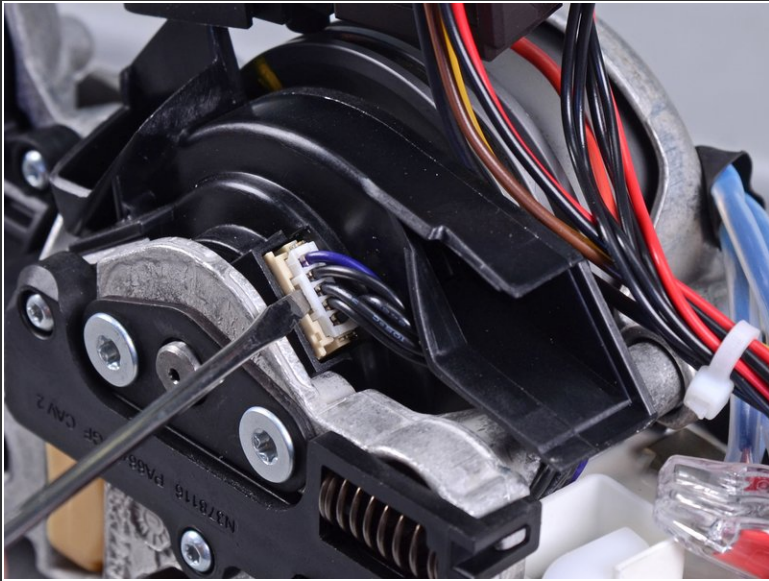
Step 12 — Disconnect the control module



- Use a T10 driver to remove the three screws securing the motor wires

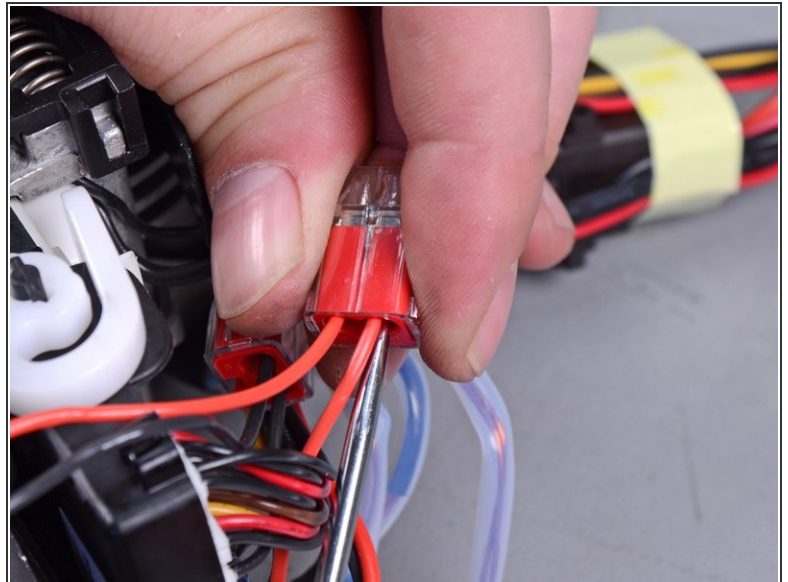
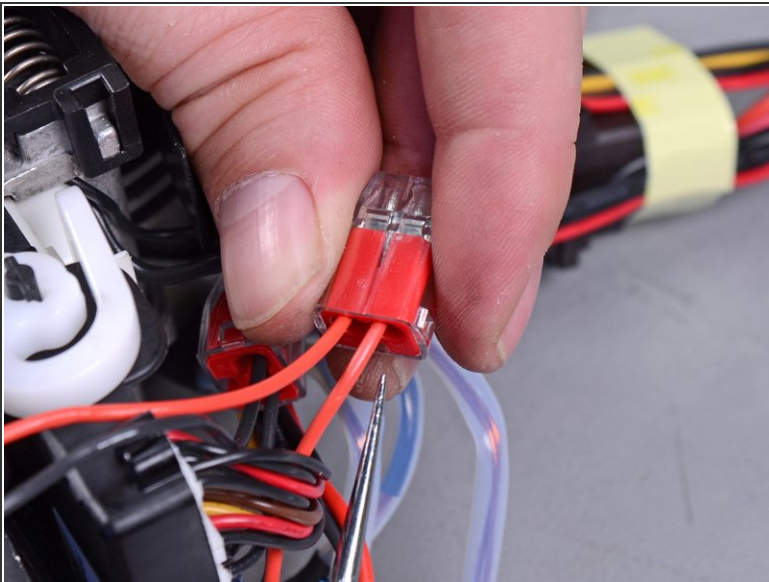
⚠ Reassembly tip: The motor wires are color-coded. Be sure to reconnect the motor wires as shown in the photo.

Step 13



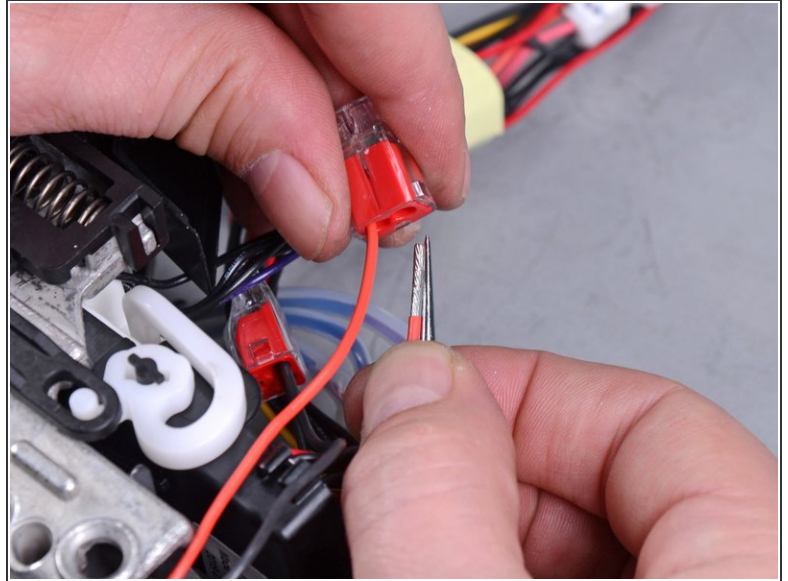
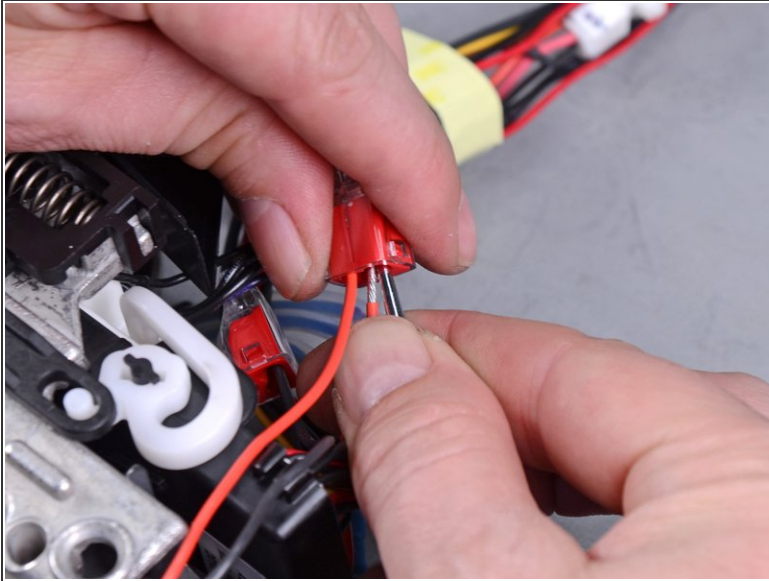
- Use a small flathead screwdriver to pry up and disconnect the sensor connector from the side of the motor.

Step 14



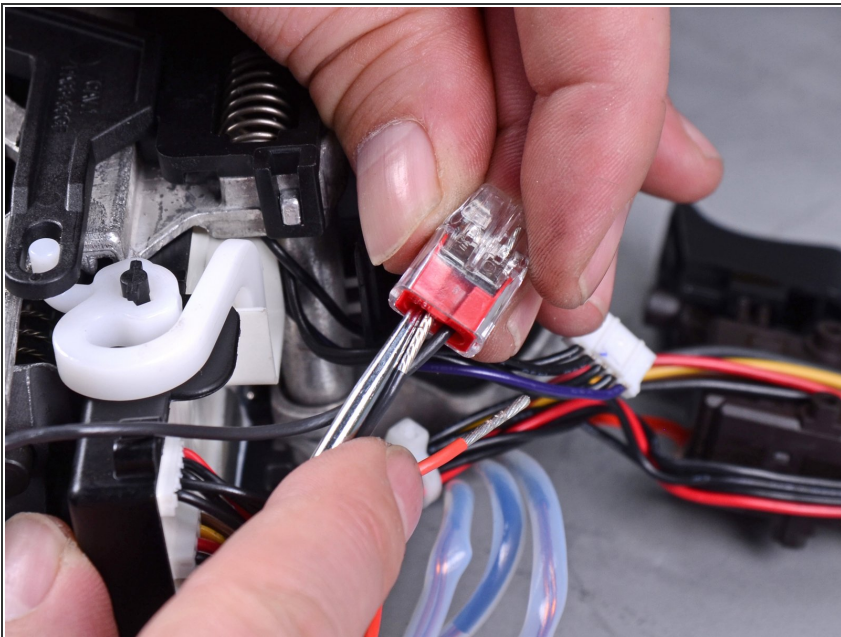
- Insert the point of a pick tool into the push-in connector's inlet hole, which has the control module wire plugged into it.
- ⓘ Make sure you choose the inlet that connects to the control module, not the solenoid.

Step 15



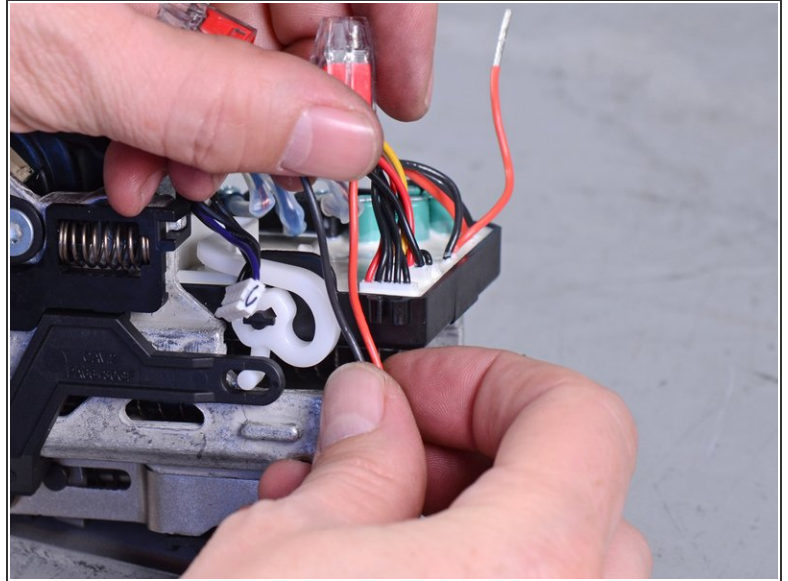
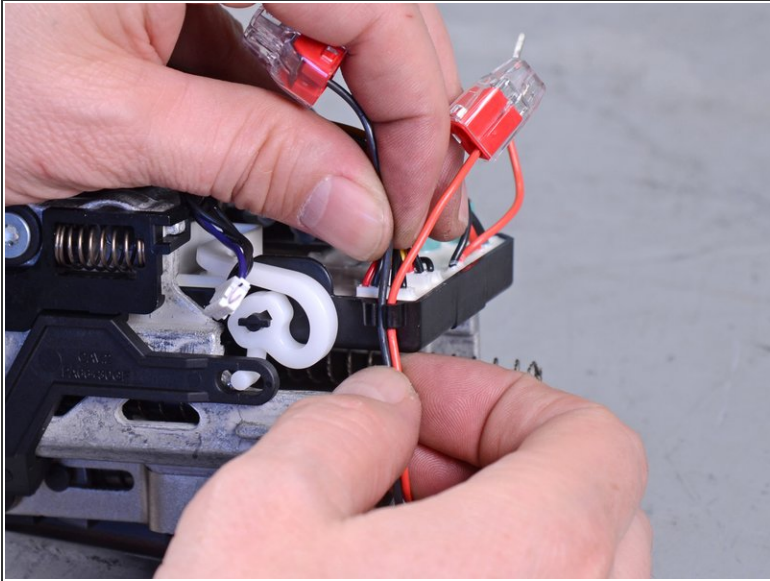
- With the pick tool still inserted, pull the red control module wire out of the push-in connector.

Step 16



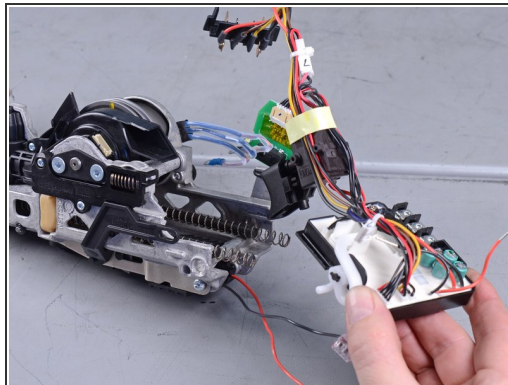
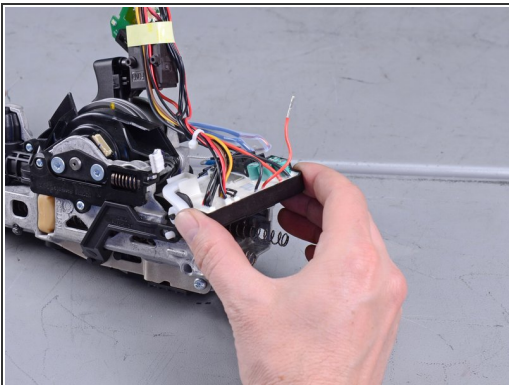
- Repeat the previous two steps to disconnect the black control module wire from the push-in connector.

Step 17



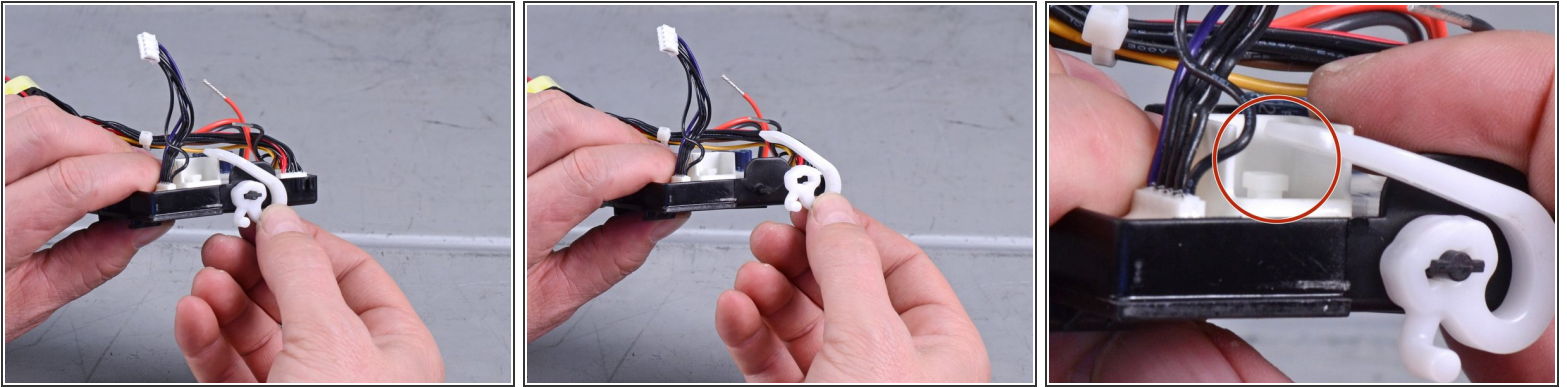
- Unclip the solenoid's red and black wires from the control module's side.

Step 18 — Remove the control module



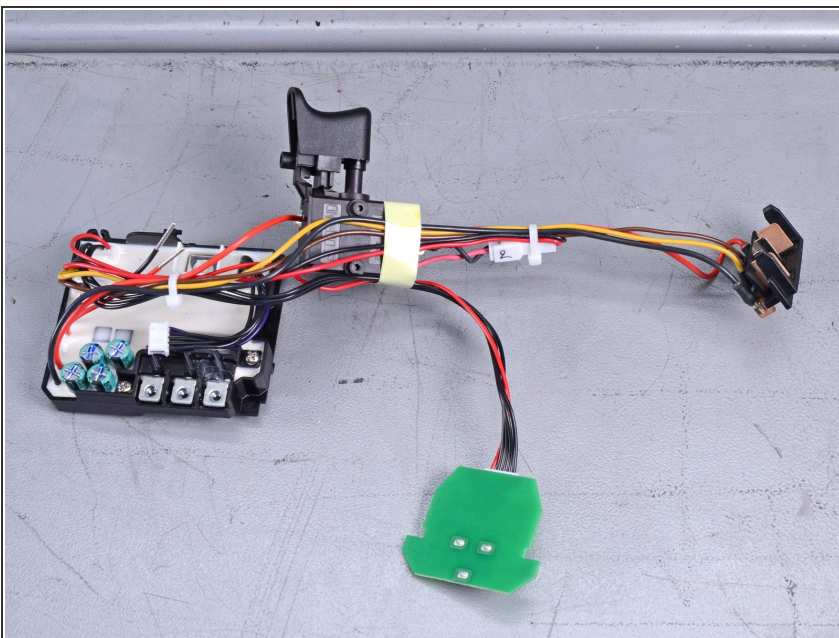
- Lift and remove the control module from the device.
- **Reassembly tip:** Make sure that the white plastic actuator latches into the black lever arm.

Step 19 — Transfer the loose components



- Remove the white plastic actuator from the control module and transfer it onto your replacement part.
- When you install the actuator, make sure the actuator bar can press the white button on the control module.

Step 20



- Only the control module remains.

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