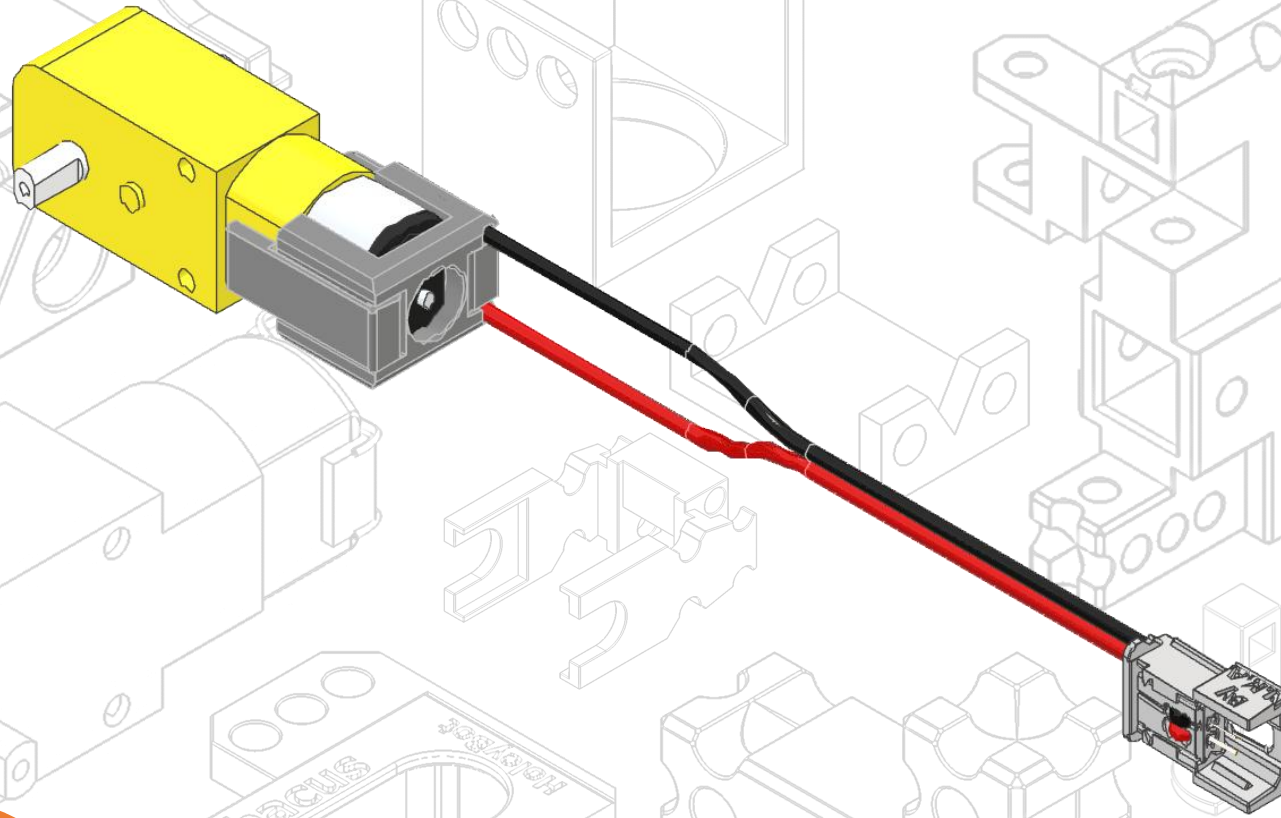


HoleyBot

Assembly Instructions



Motor

Overview

1. Materials

- a. Tools List
- b. Parts List

2. Instructions:

Motor Assembly

Motor – Tools List



Scissors

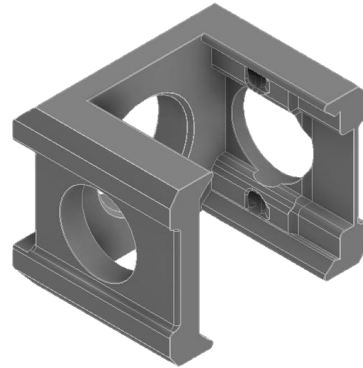


Ruler

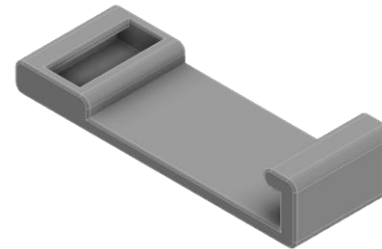
Motor - Parts List



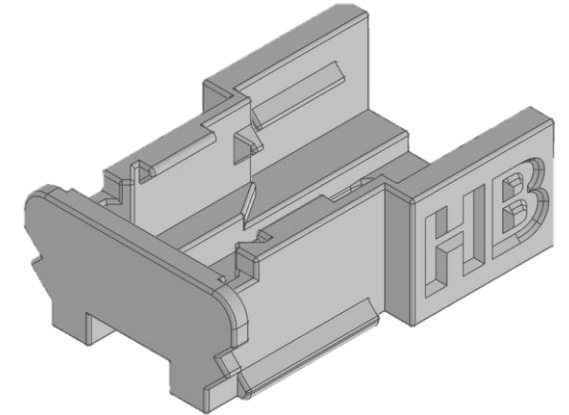
Pin – 2x



End Cap – 1x



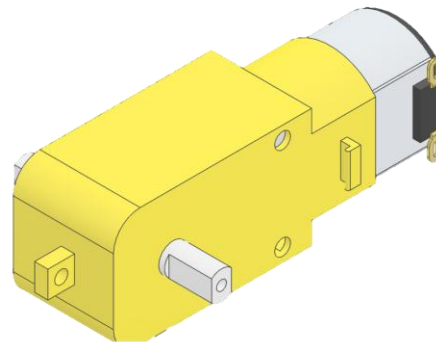
End Cap Brace – 2x



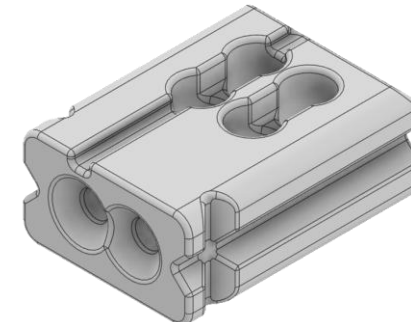
**Wire Connector
Brace – 1x**



**6" Red Wire – 1x,
6" Black Wire – 1x**



TT Motor – 1x



Wire Connector – 1x

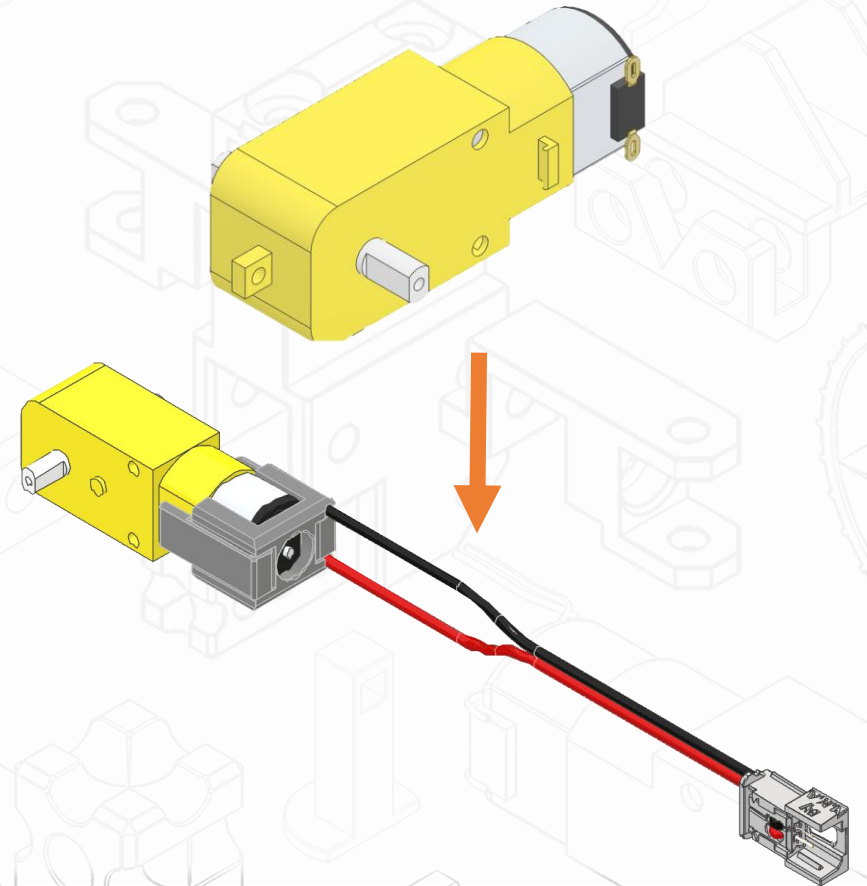
Motor Wiring

Description

Before assembly, remove the plastic brace wrapping around the motor. It will be replaced by the end cap.

Note:

Please note the polarity of the motor terminals. The left terminal is positive, and the right terminal is negative.

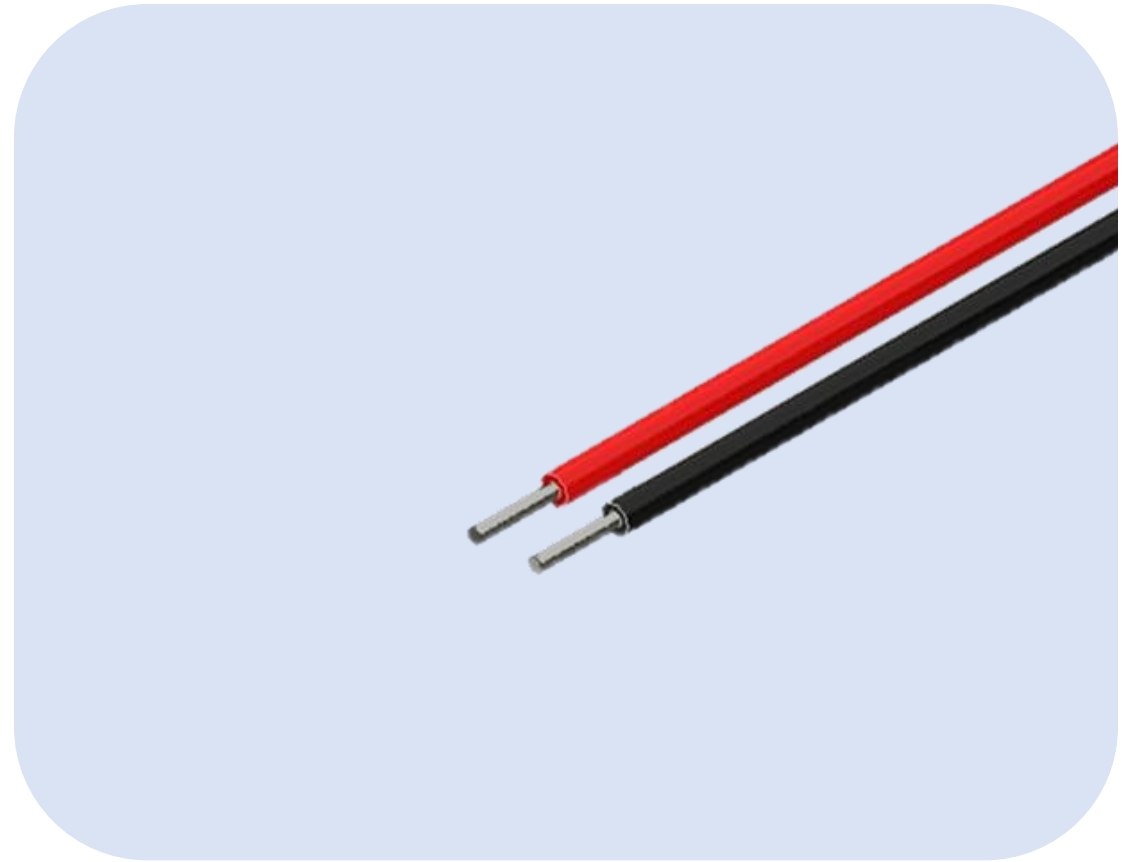


Motor Assembly

Step 1

**6" Red Wire – 1x,
6" Black Wire – 1x**

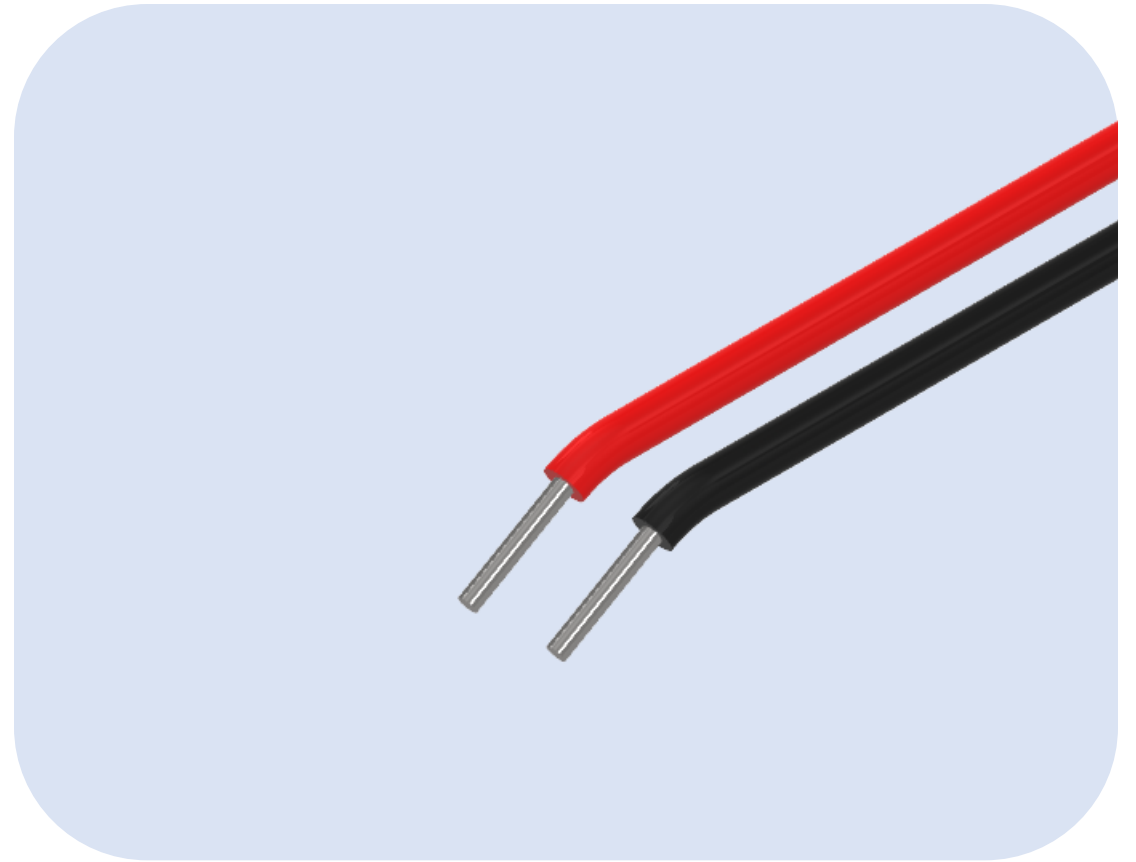
Strip 0.25" from ends of both wires and
twist the ends to prevent fraying



Motor Assembly

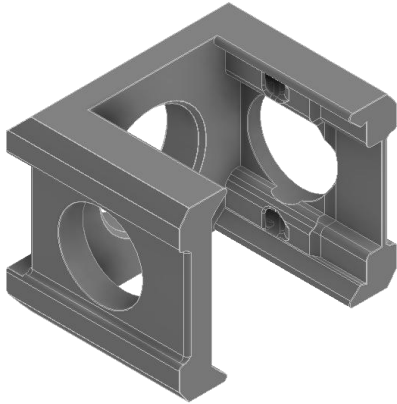
Step 2

Slightly bend stripped end of both wires



Motor Assembly

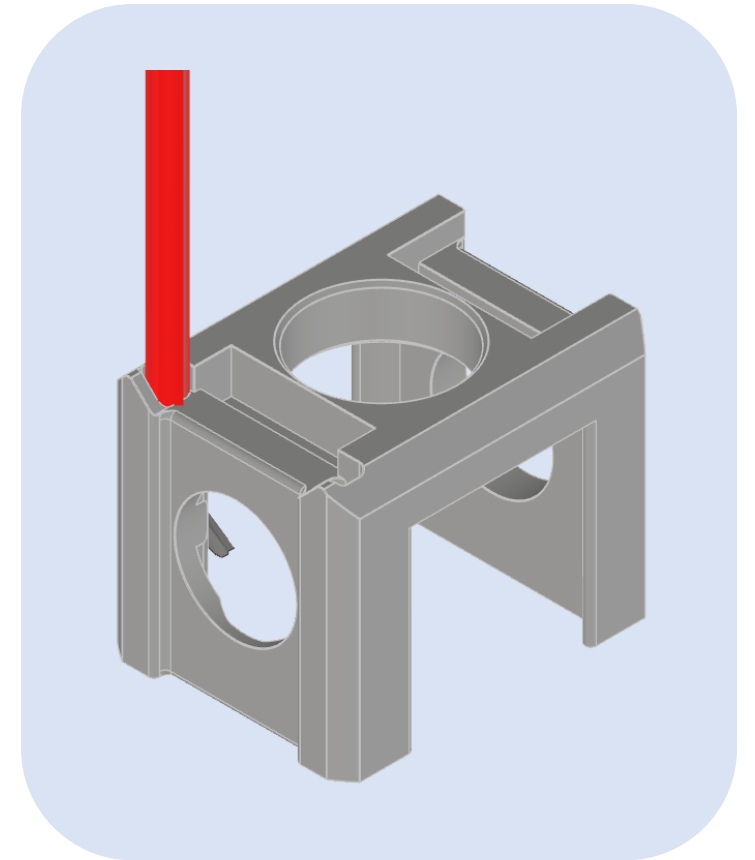
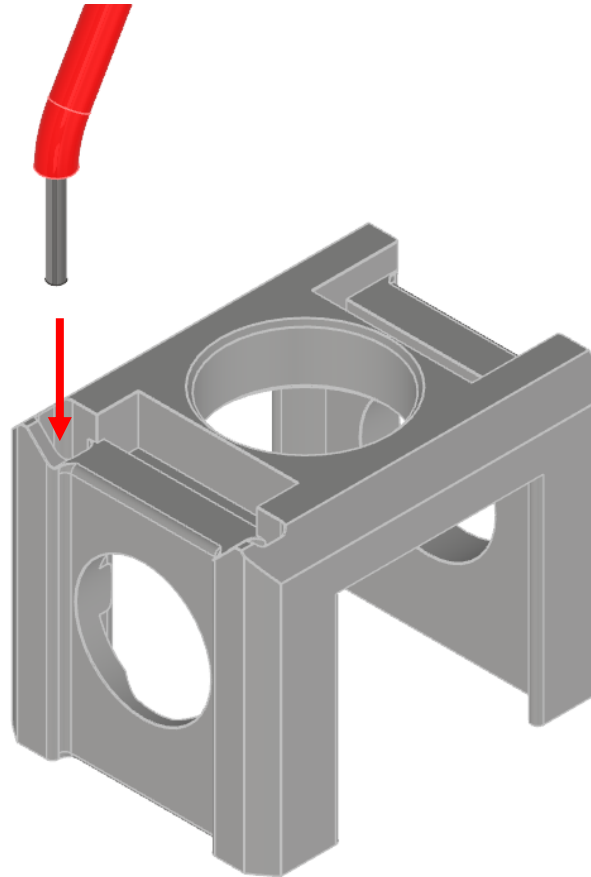
Step 3



End Cap – 1x

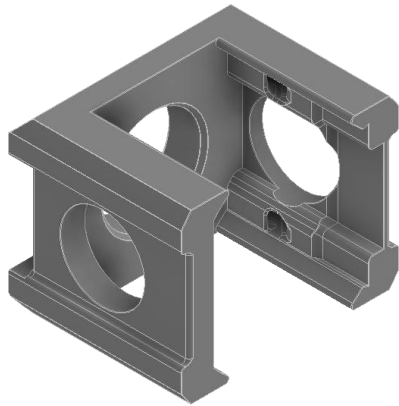
**6" Red Wire, 0.25"
stripped – 1x**

Insert red wire into left
hole on end cap



Motor Assembly

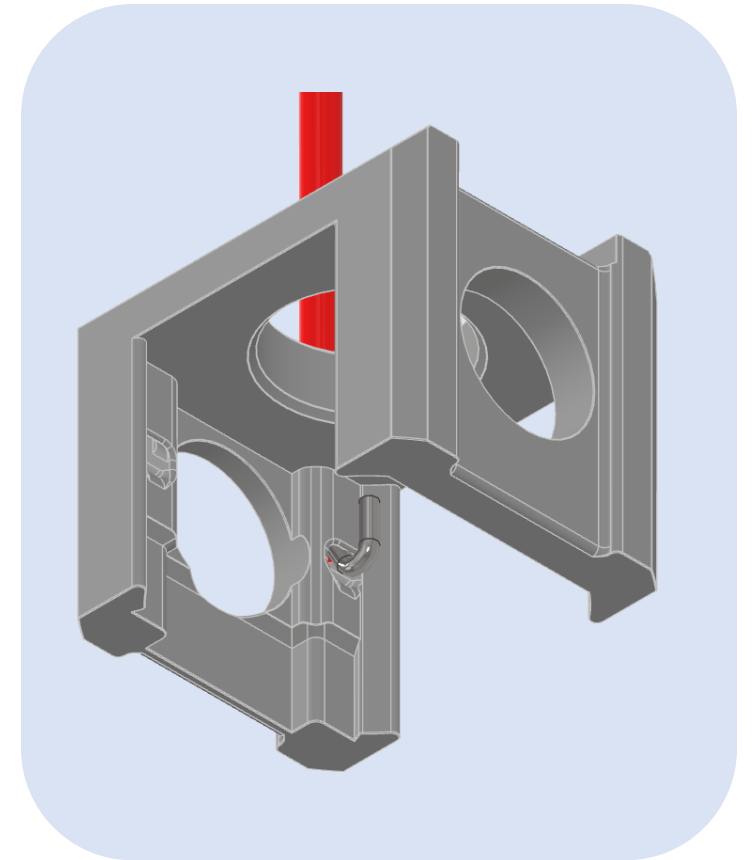
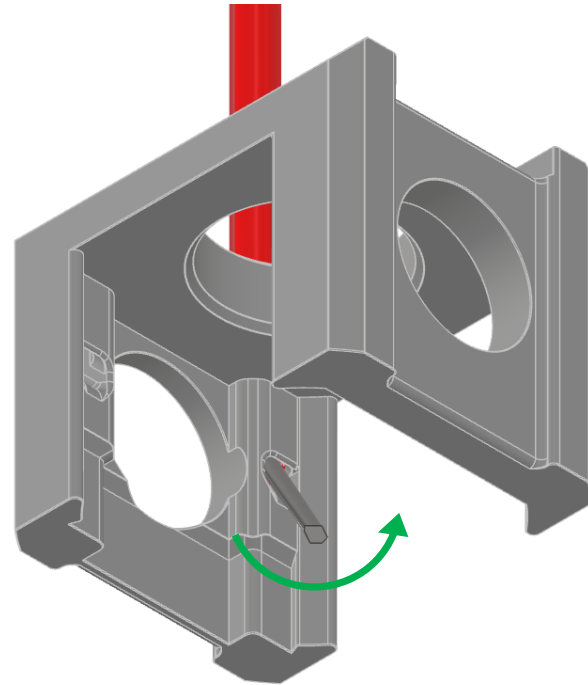
Step 4



End Cap – 1x

**6" Red Wire, 0.25"
stripped – 1x**

Fold stripped portion of
wire upwards

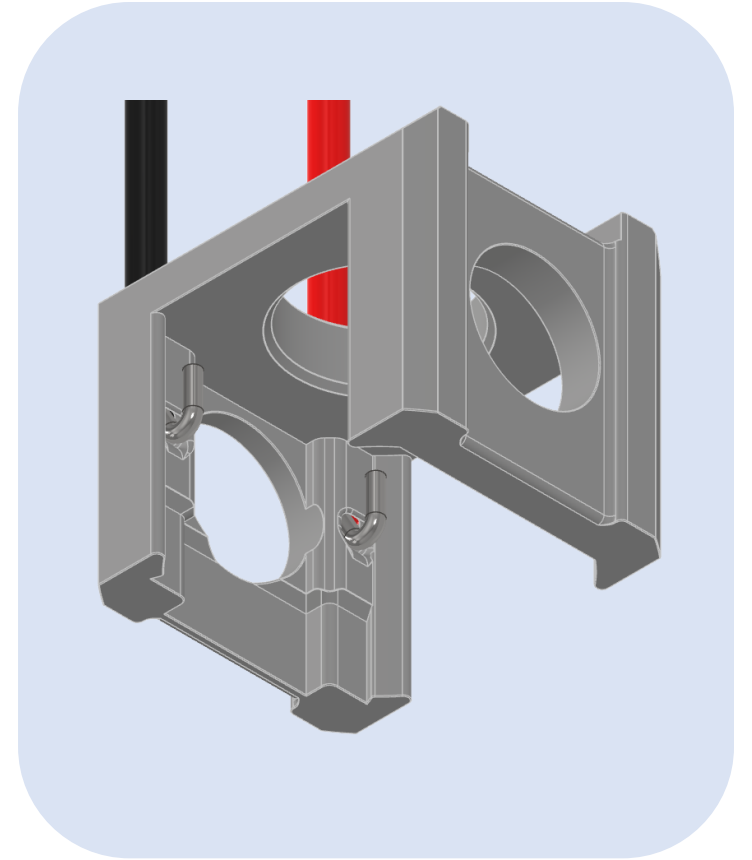
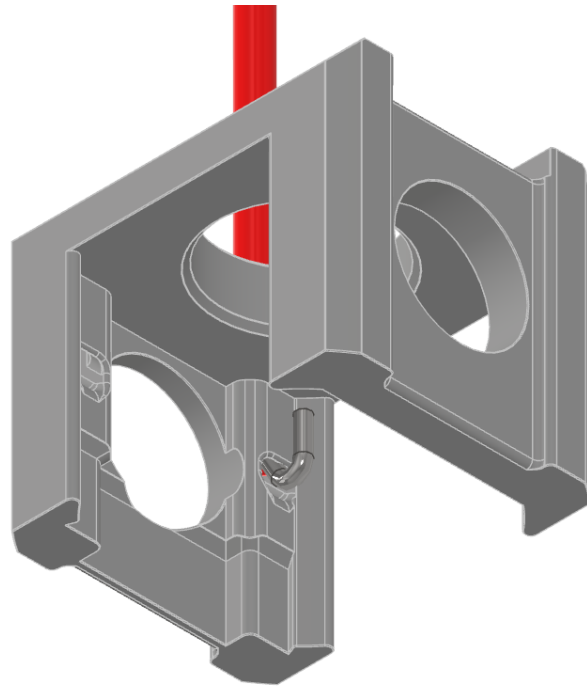


Motor Assembly

Step 5

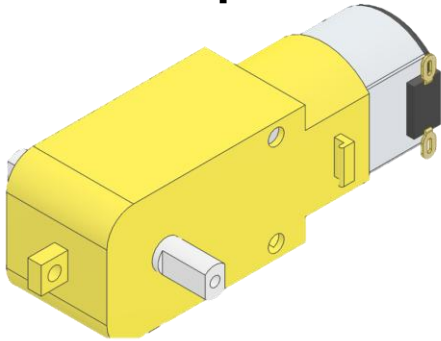
**6" Black Wire,
0.25" stripped – 1x**

Repeat steps 3 and 4 for
black wire



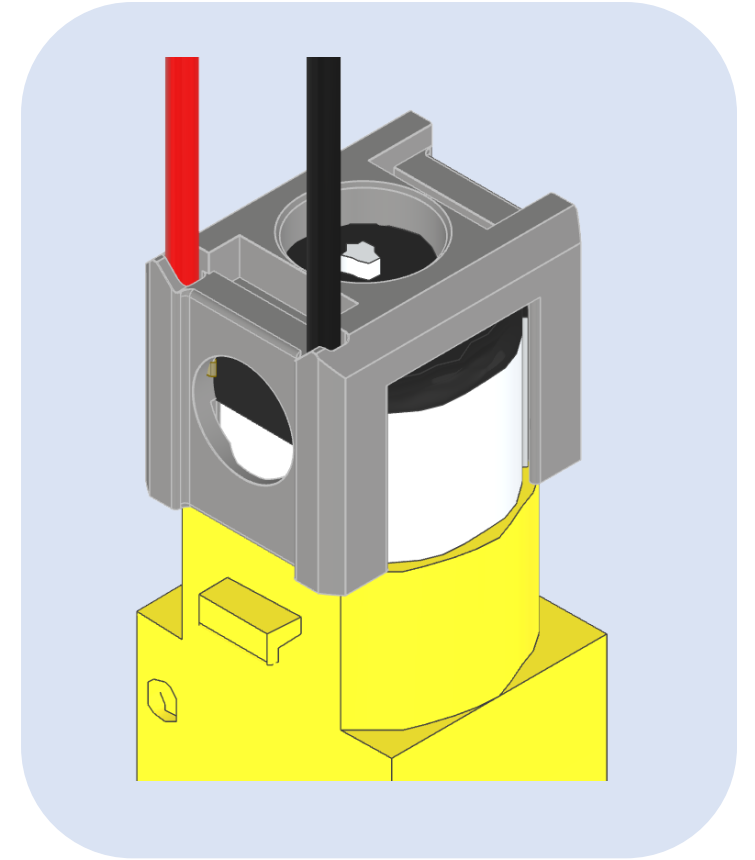
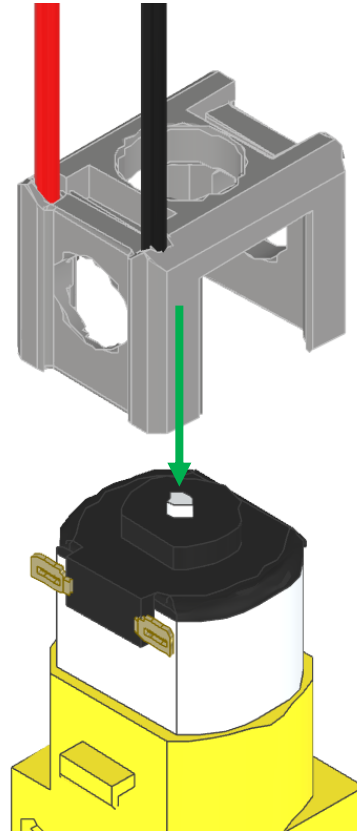
Motor Assembly

Step 6



TT Motor – 1x

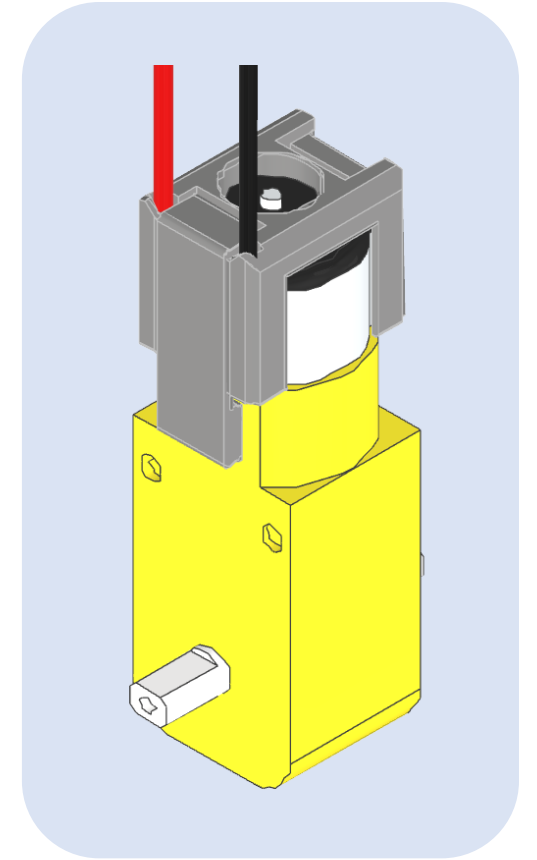
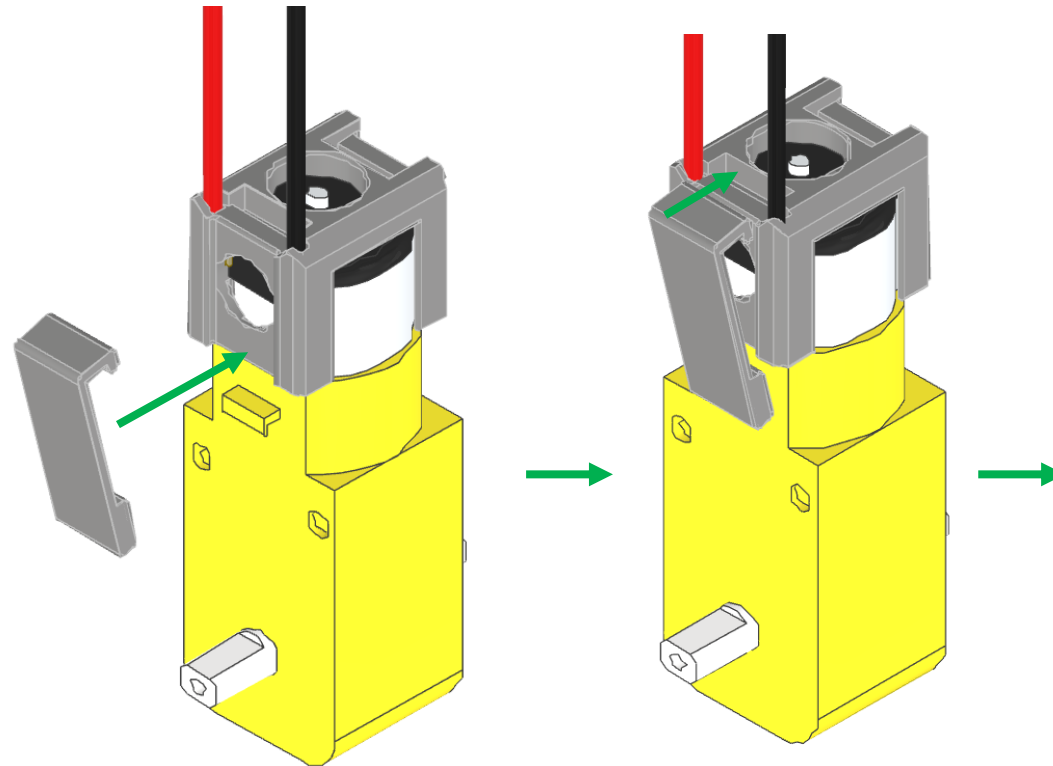
Place end cap onto motor



Motor Assembly

Step 7

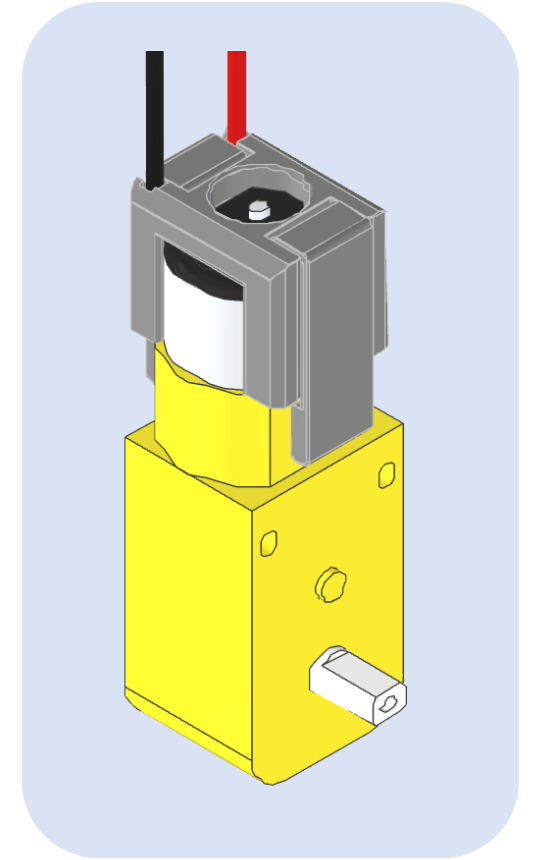
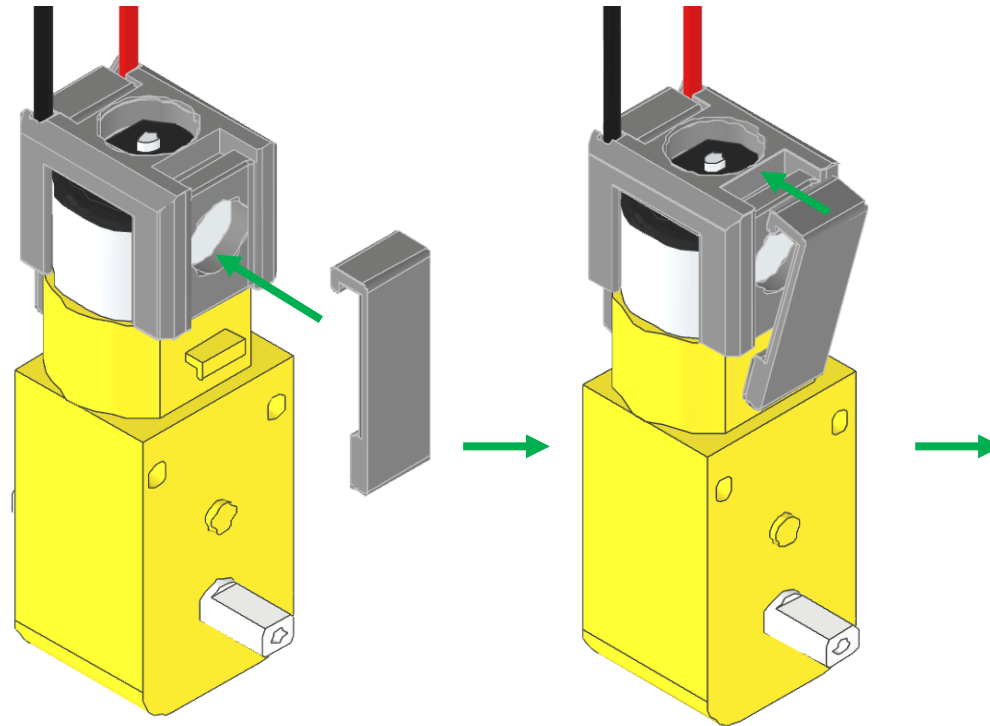
Place end cap
braces onto motor



Motor Assembly

Step 8

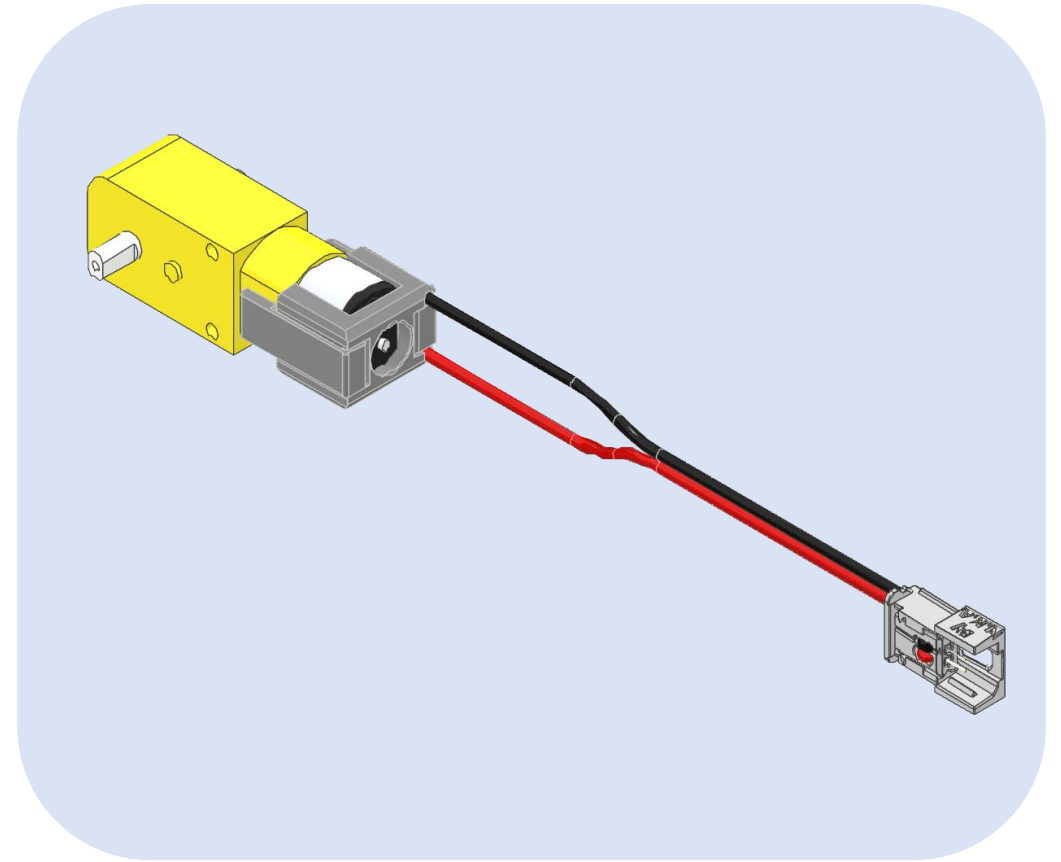
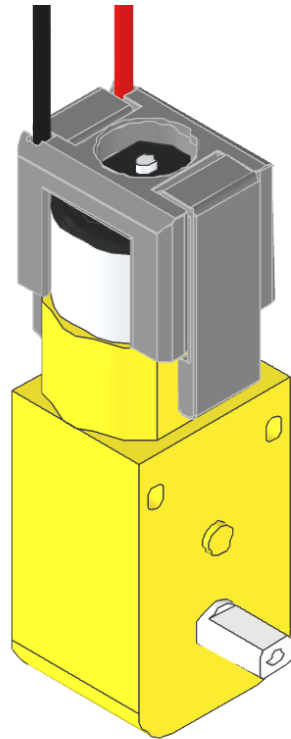
Place end cap
braces onto motor



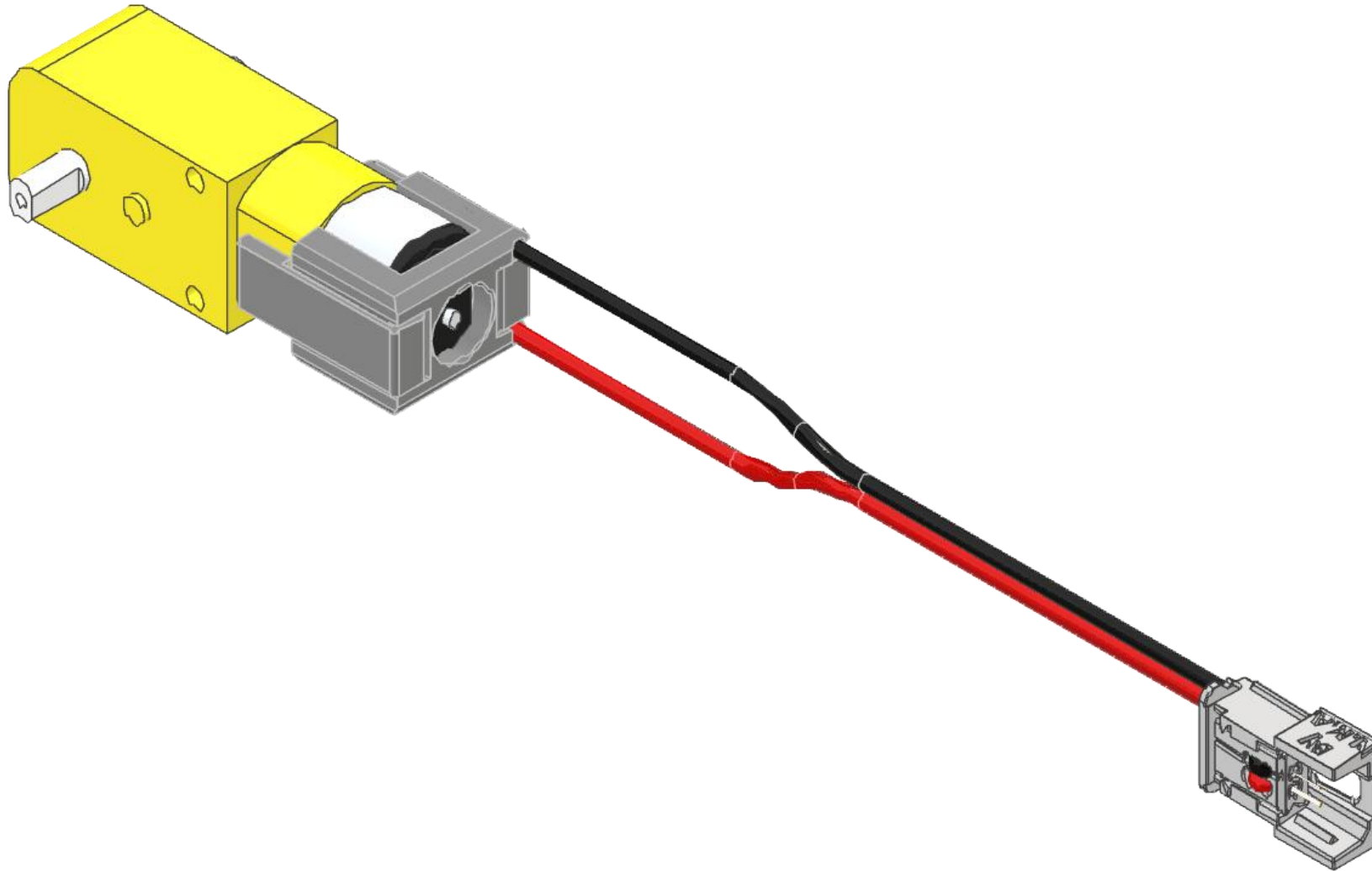
Motor Assembly

Step 9

Go to **Wire Connector (Plug)** instructions to complete rest of assembly



Motor Assembly



Credits

HoleyBot Concept and Design:

Newland Agbenowosi, Ph. D.

Assembly Instructions and Graphics:

Michael Newland

Technical Design Support:

Michael Newland

Version:

HoleyBot Motor Wiring (April 15th, 2026)