

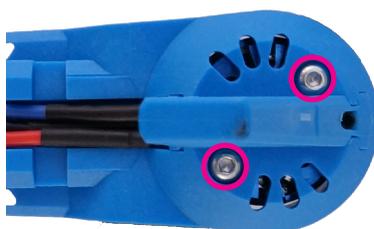
IRIS REPLACING THE ARMS

These instructions require soldering. If you're unfamiliar with soldering, our friends at Sparkfun have some great tutorials that can get you started, including this comic: learn.sparkfun.com/curriculum/42. Ensure that you have heat shrink tubing for this process.

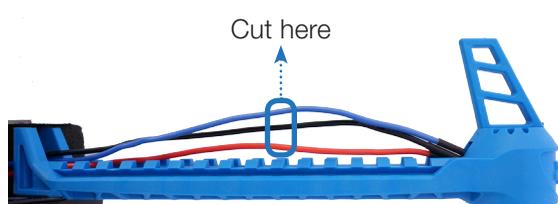
Iris' arms must be replaced by disconnecting and reconnecting the motor. These instructions use the motor replacement method of cutting and soldering the motor cables, but this process can also be performed by soldering directly at the power board (see method 2 instructions for Replacing the Motors at 3drobotics.com/iris/info).

Step 1: Cutting the motor cables

Detach the motor from the old arm by removing the two screws in the bottom of the motor using the regular 2 mm hex key.



Remove the clips holding the motor cables to the bottom of the arm, and cut the motor cables halfway up the arm. Remove the motor completely.



Step 2: Replacing the arm

Open the top and bottom shells. Instructions for this can be found at 3drobotics.com/iris/info.

With Iris right side up, locate the four screws securing the arm you wish to remove.



Remove the four screws securing the arm using the regular 2 mm hex key.

Remove the old arm. Insert the new arm into place and securing using the same four screws.

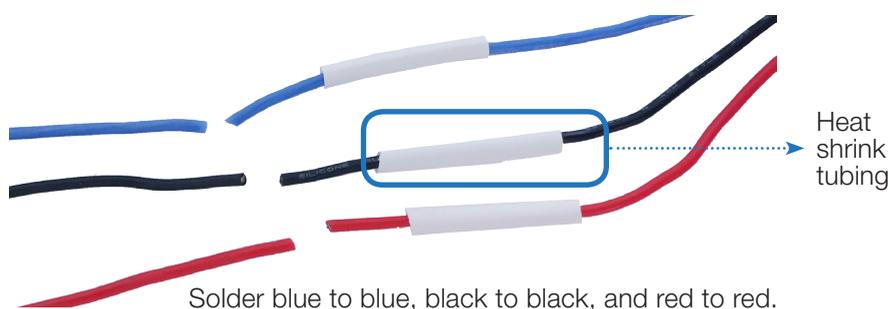
Place the motor into position in the new arm and thread the motor cables through the hole in the center of the arm. Don't forget this important step!

Secure the motor to the arm with the same two screws. Make sure to insert the screws into the holes in the bottom of the motor and not into the slots where they could interfere with the motor.



Step 3: Attaching the motor

The new arm should now be in place with motor cables protruding from the center of Iris and from the motor at the end of the new arm. Now you'll solder these two sets of cables together.



Add a 1-inch length of heat shrink tubing to each cable. Solder the cables to their counterparts of the same color. This will ensure that the motor rotation remains correct. When complete, shrink tubing over connections.

Secure the cables to the arm with the clips. Replace both shells.

Support

For customer support, contact us at help@3drobotics.com or call our support line at **+1 (858) 225-1414** Monday through Friday, from 8 am to 5 pm, PST.