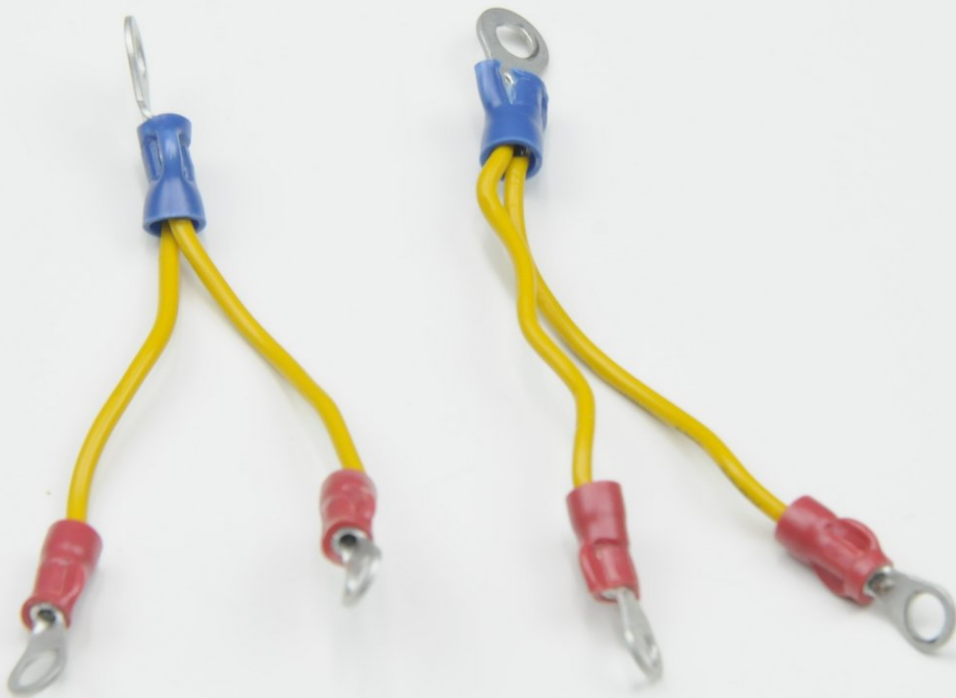




# 5 - Wire Preparation - 2

Written By: REA



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## INTRODUCTION

The next step is to wire power jumpers between the three switches. The middle posts, posts #2 and #5 are the posts for bringing power in (red positive, black ground). Jumpers between the switches will allow power brought into one switch and transferred to the other two switches. To construct the jumpers:

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### TOOLS:

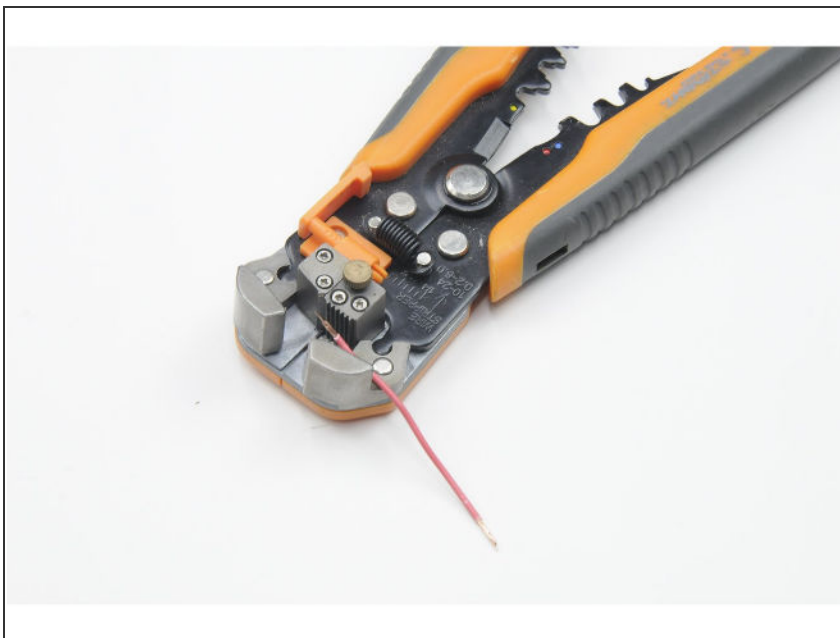
- [Crimping Plier](#) (1)
  - [Wire Strippers](#) (1)
-

## Step 1 — Wire Crimping Basics



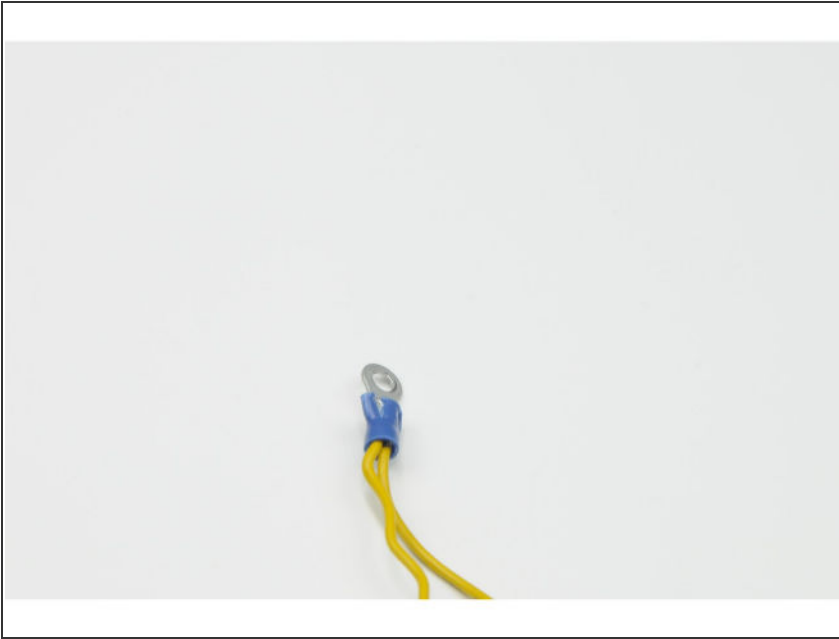
- Watch the informative video, taking note of the principles behind wire crimping and the techniques featured that can be applied to your ROV or Submarine build.

## Step 2 — 5 - Wire Preparation - 2



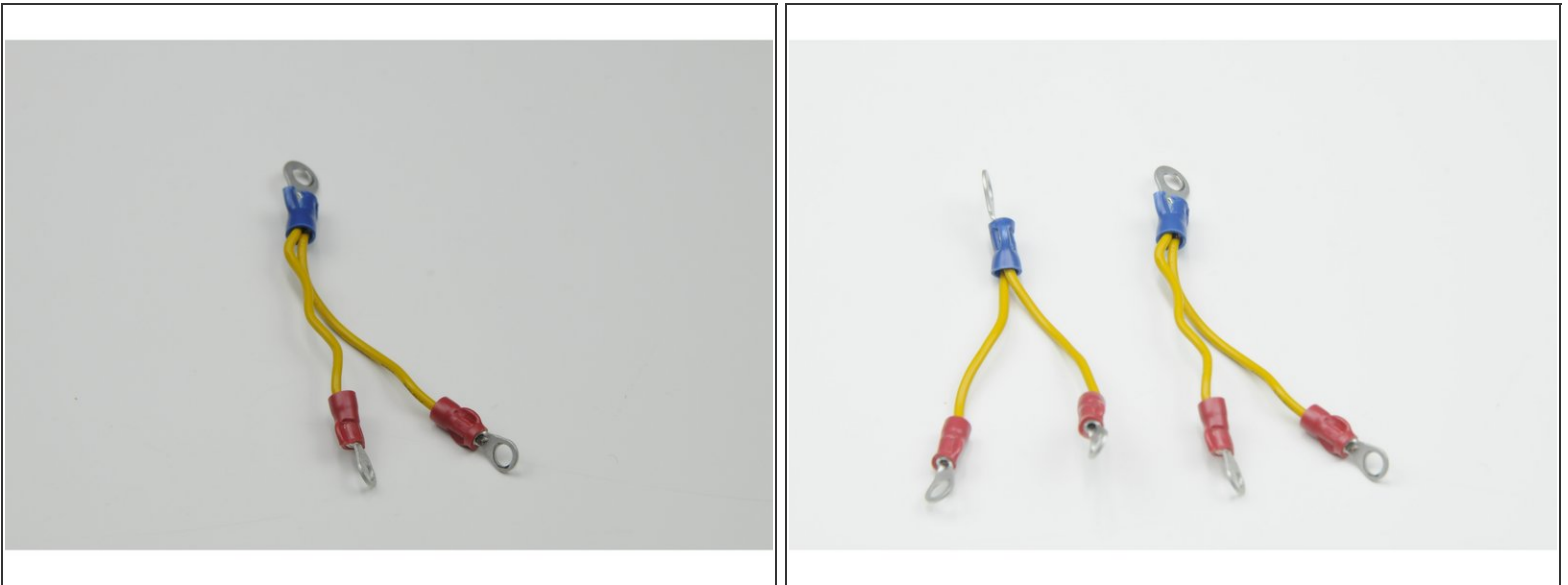
- Cut four 8 cm lengths of 18-gauge wire. Strip .75 cm of wire of each end of the four wires.

### Step 3



- Take two of the 8 cm lengths of wire, set them side by side, and twist one pair of stripped ends together.
  - Crimp a blue ring terminal over the joined ends. Take the other two 8 cm lengths of wire, set them side by side, and twist one pair of stripped ends together.
  - Crimp a blue ring terminal over the joined ends. Make sure this is a secure crimp connection for both crimps.
- i** Design note: Blue terminal crimps are for 14 to 16-gauge wire. Two 18-gauge wires twisted together approximate this larger wire diameter. If using a ratcheting crimper, make sure to crimp using the blue section.

## Step 4



- Crimp a red ring terminal over the four remaining single ends of the wires.
- Design note: Blue terminal crimps are for 14 to 16-gauge wire. Two 18-gauge wires twisted together approximate this larger wire diameter. If using a ratcheting crimper, make sure to crimp using the blue section.