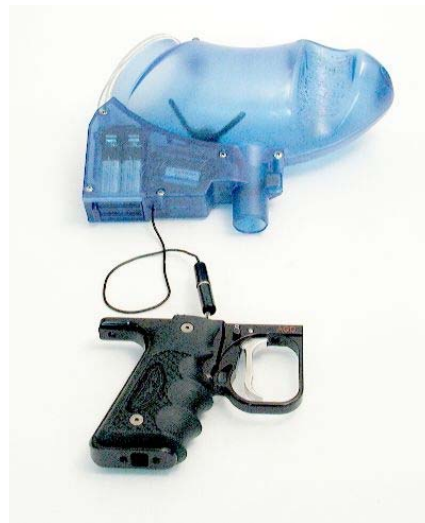




Connecting your Intelliframe to a Revolution

This simple step-by-step picture tutorial will show you how to easily connect your Airgun Designs Intelliframe to your Revolution™.

When properly connected, the Intelliframe will activate the rotor in the Rev. every time you pull the trigger. Instead of waiting for the hopper to jam, activating the rotor on every pull keeps a constant flow of paintballs into your marker. This interface has long been the hot setup for pro tournament players and was only available on electronic markers. Now you can set up any of your AGD markers with the same feature. The Rev. will still function normally with the eye as well. This means that you get the best of both worlds! The necessary parts are very reasonable and readily available at [Radio Shack](#). Let's get started!!



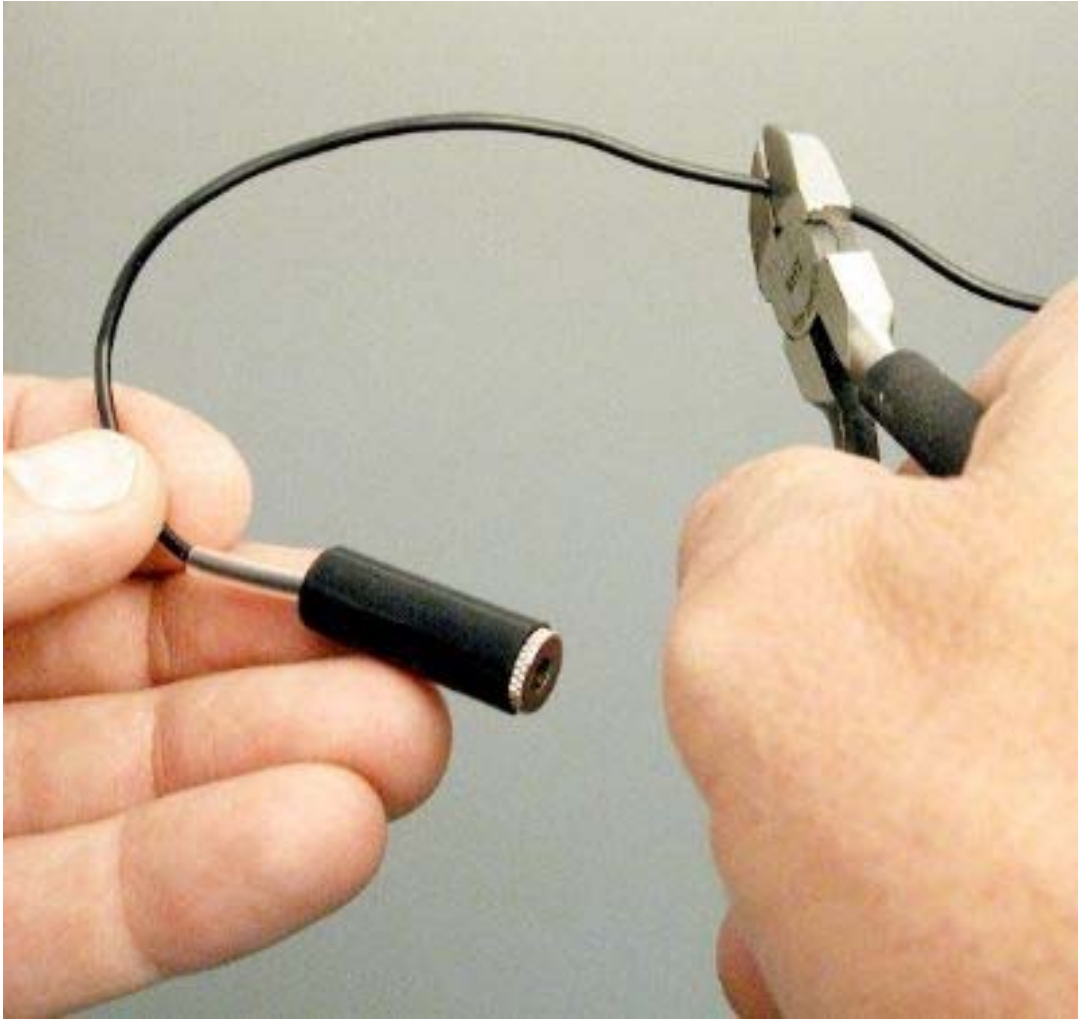


Here are the tools you'll need for this Mod.

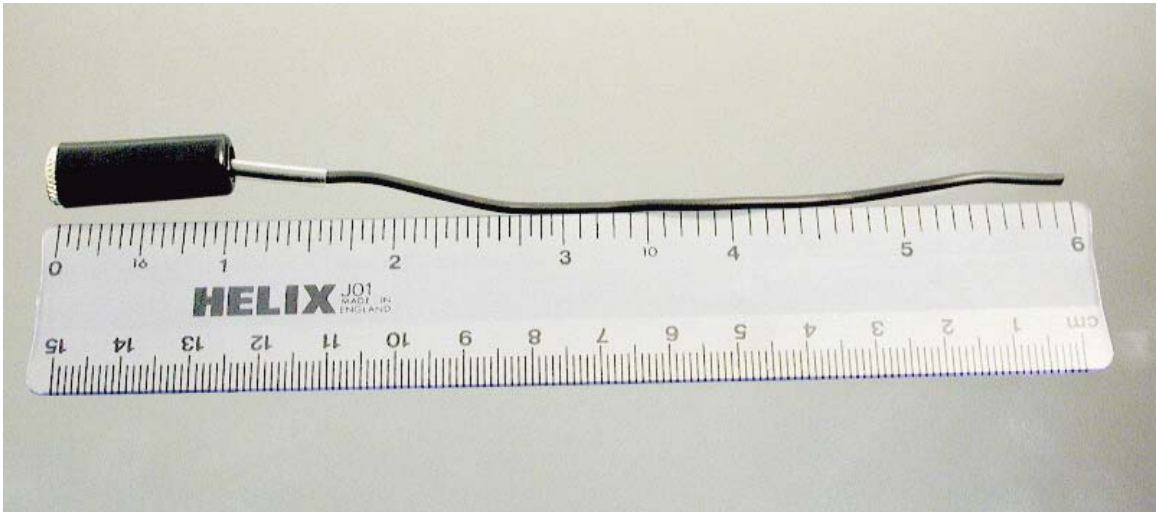


These are the parts available from Radio Shack:

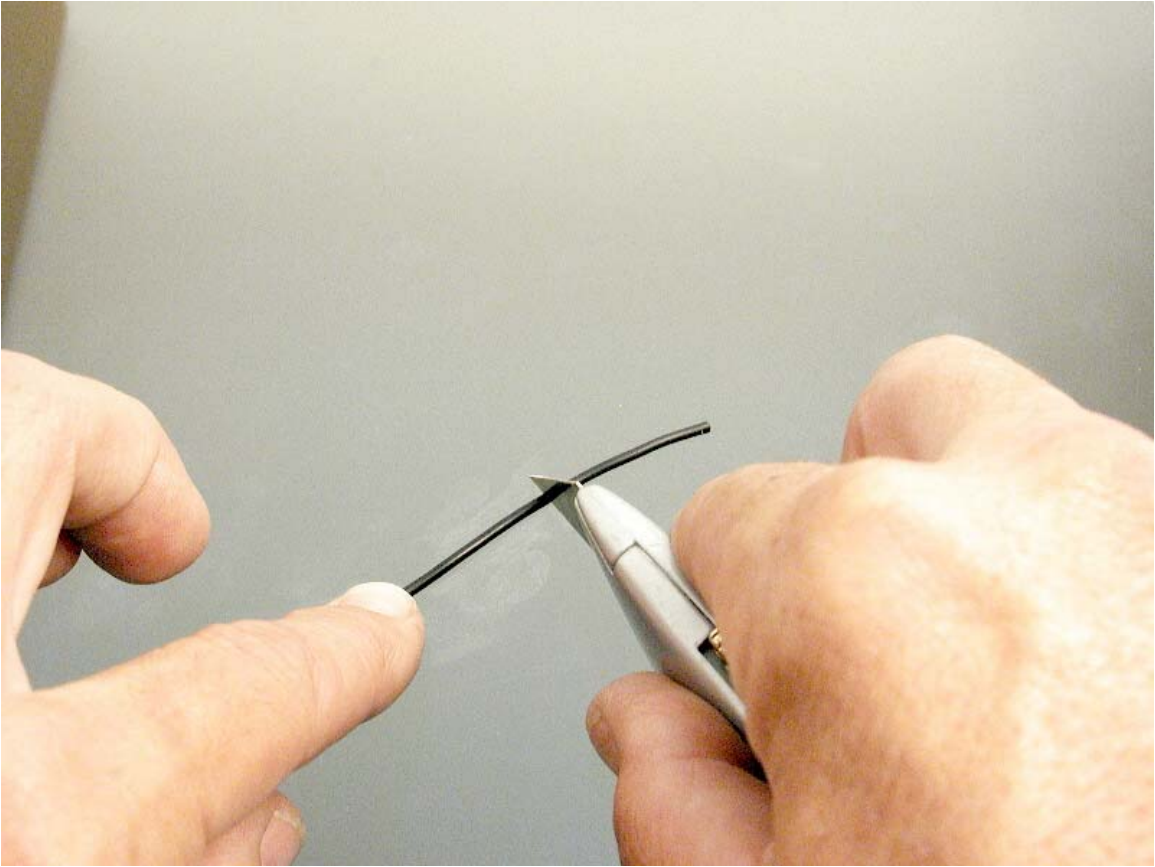
Roller Lever Switch	275-017
Earphone Extension Cord	33-176
Round Head Machine Screws	64-3010
Steel Machine Hex Nuts	64-3017



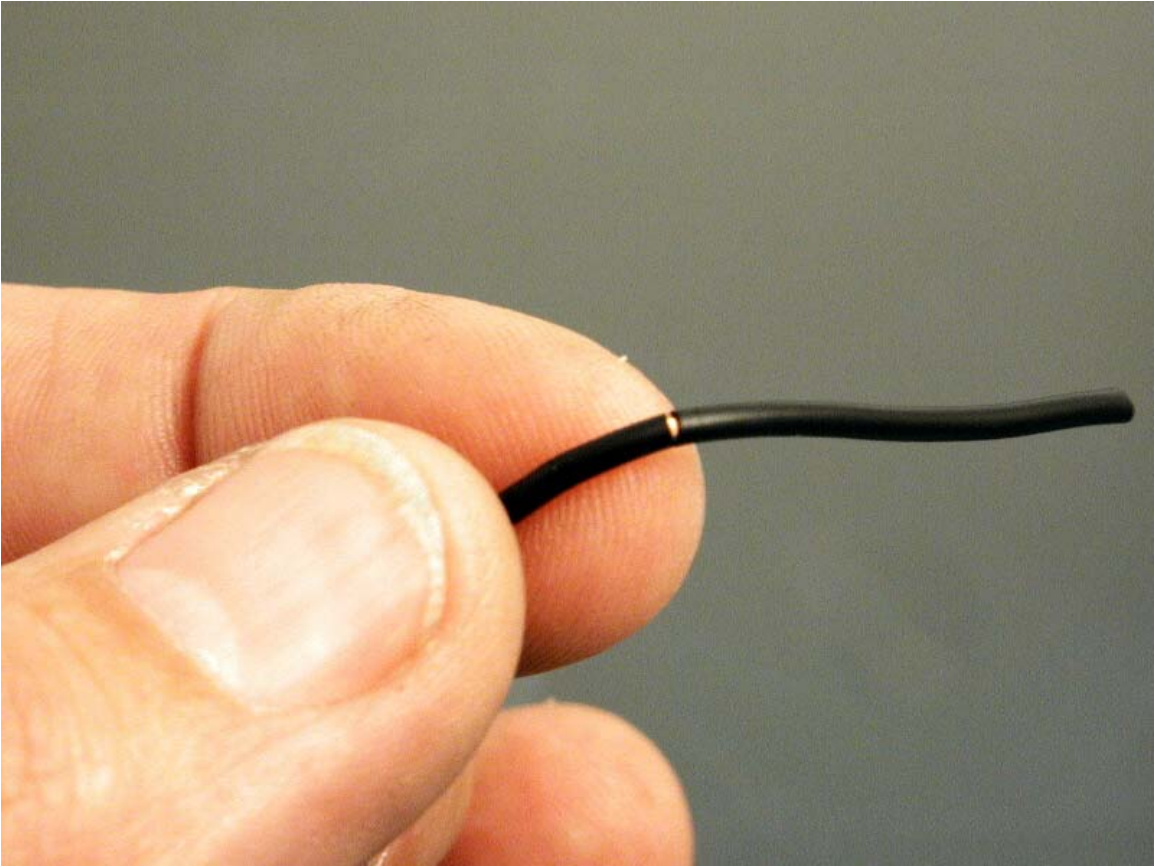
Cut six inches off the female end of the cable.



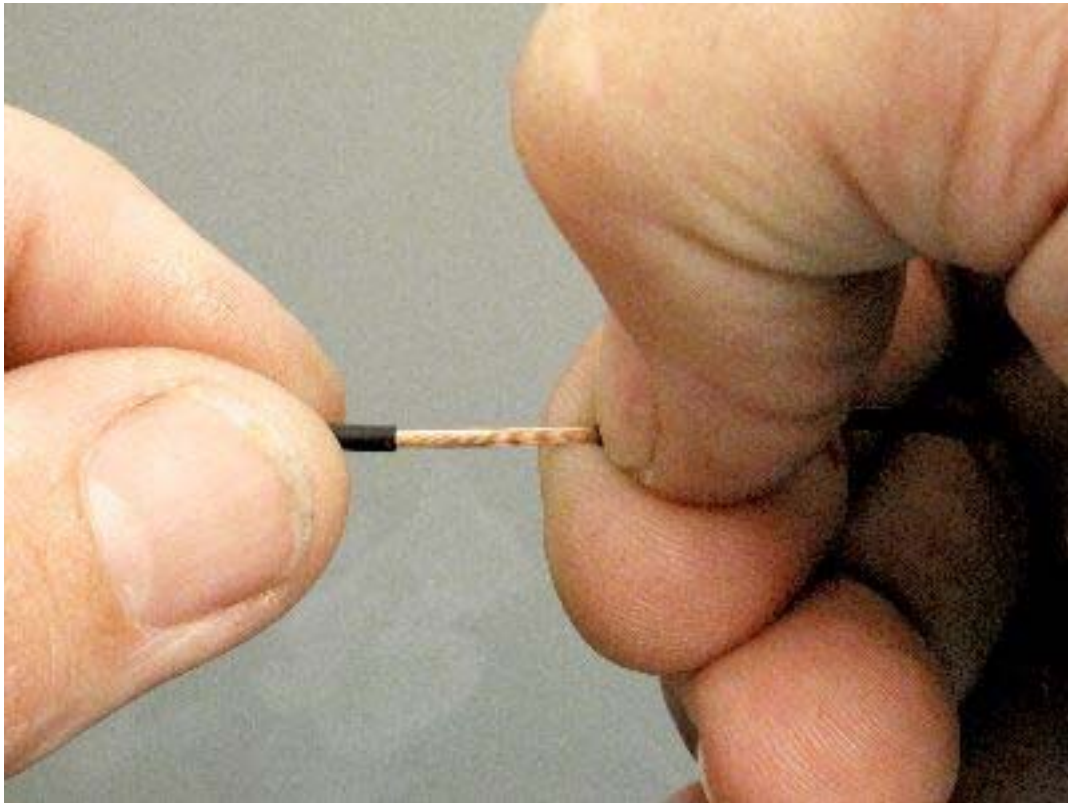
Now we will prep this piece before we attach it to the switch



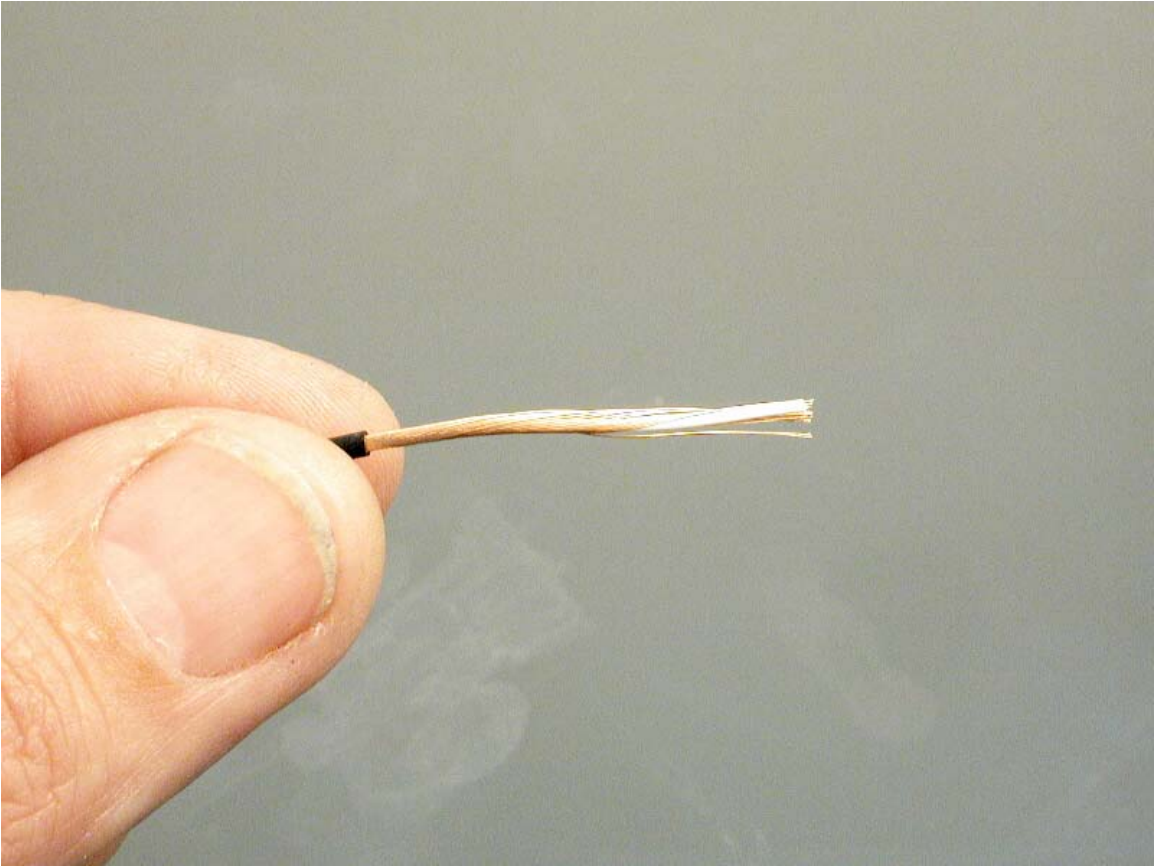
Lightly score just the outer insulation around an inch from the end.



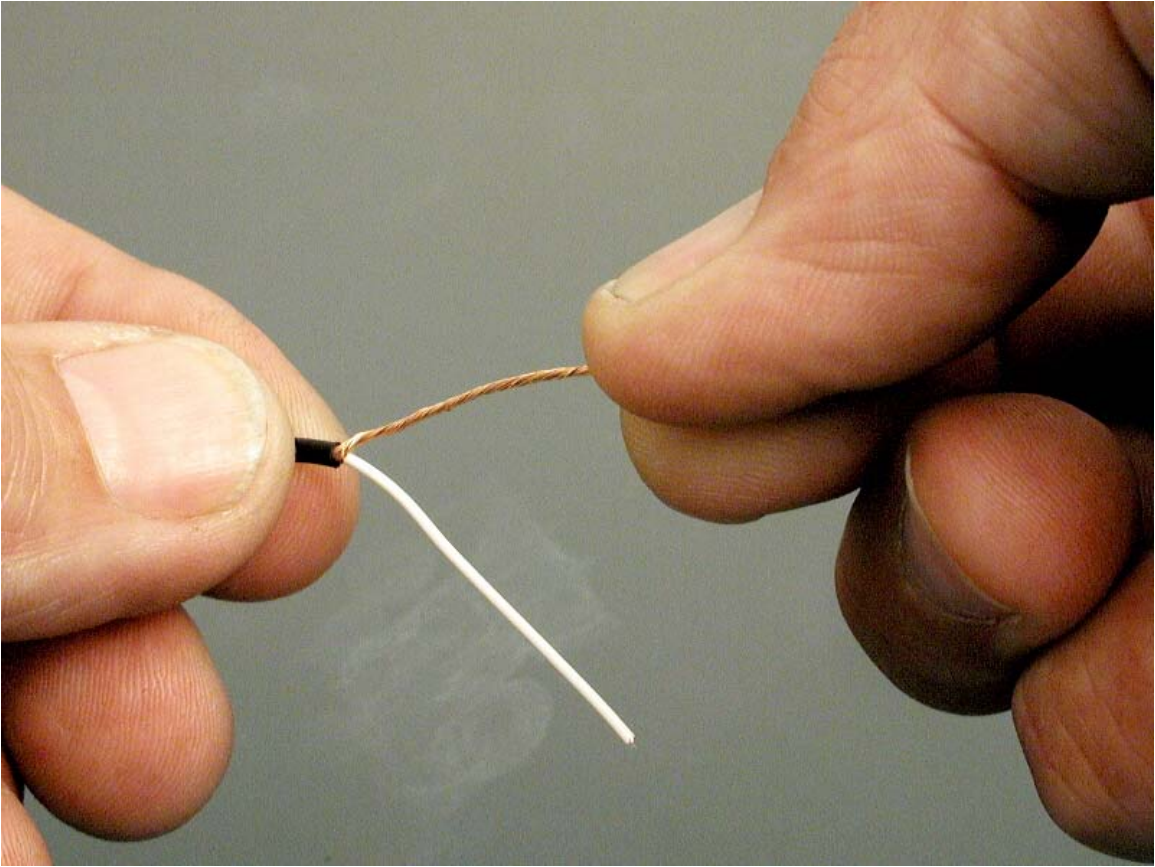
Open up the cut by lightly bending the wire



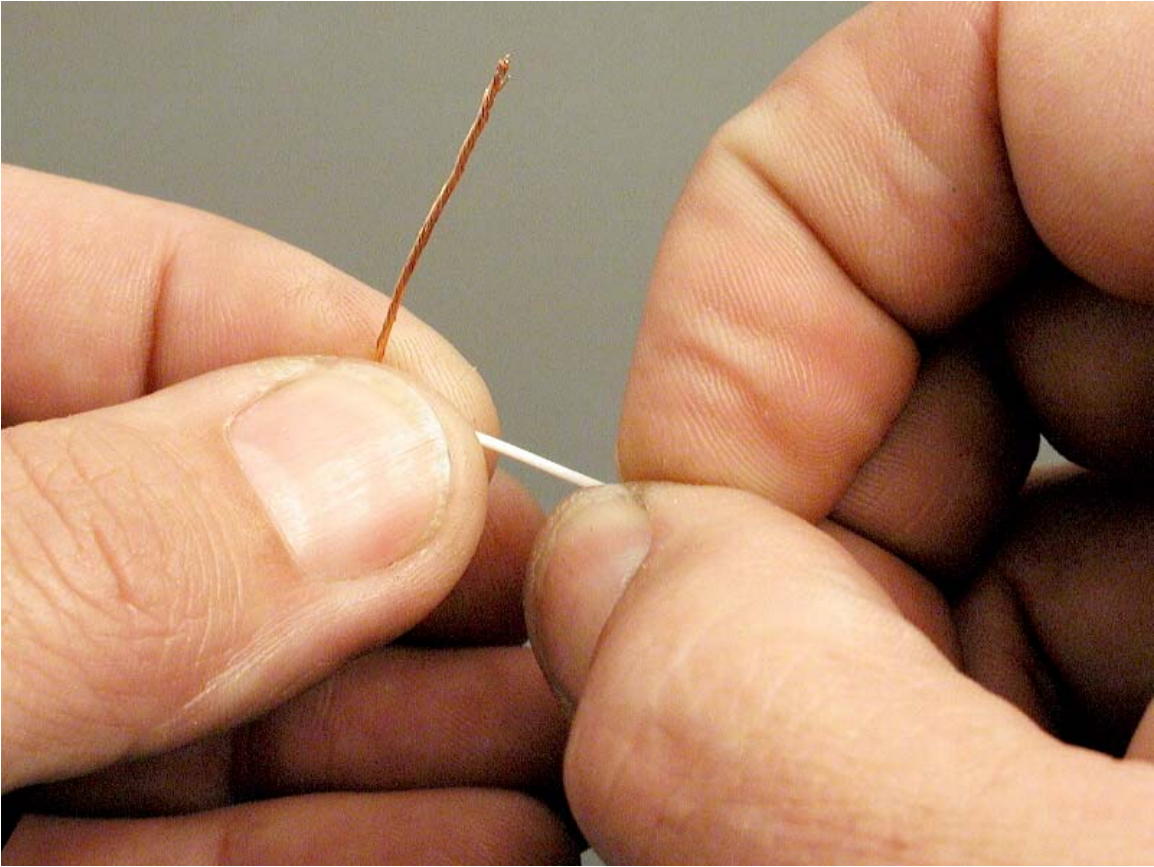
Use your fingernail to pull the insulation off.



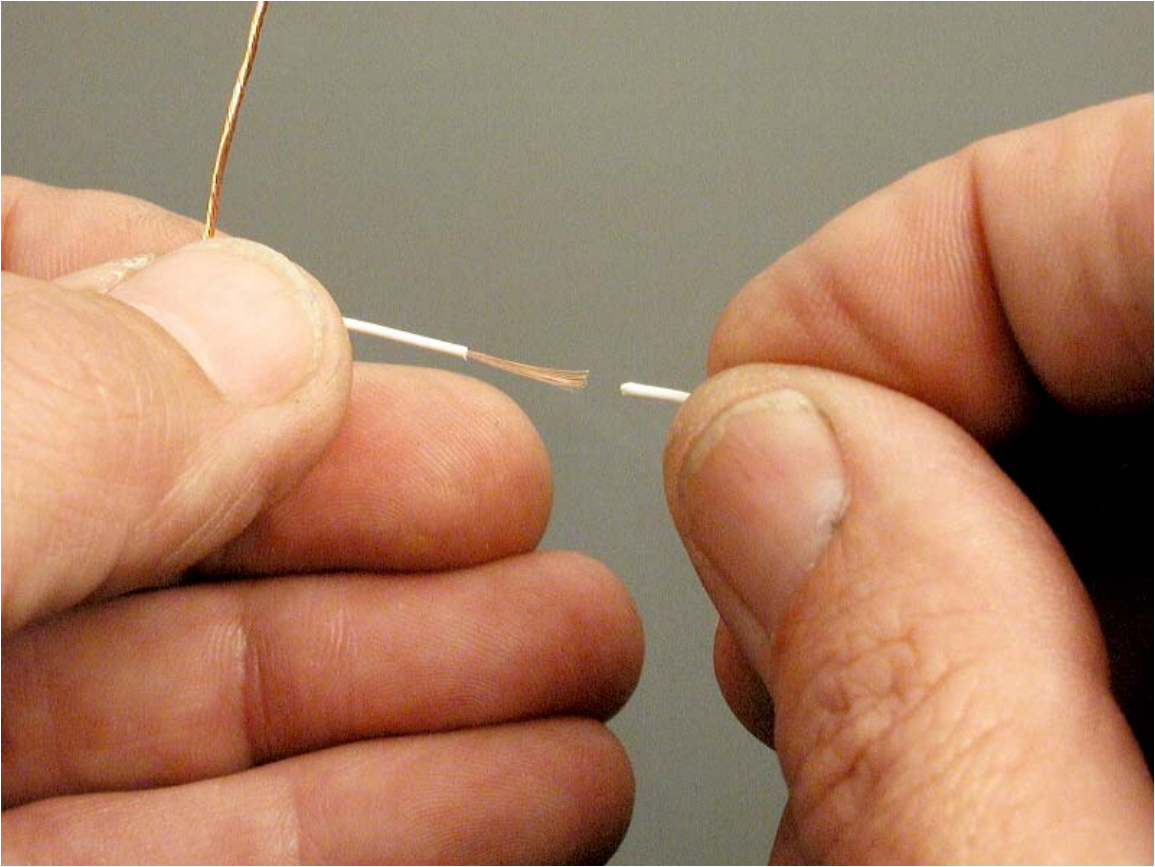
Separate the inner white wire from the copper strands.



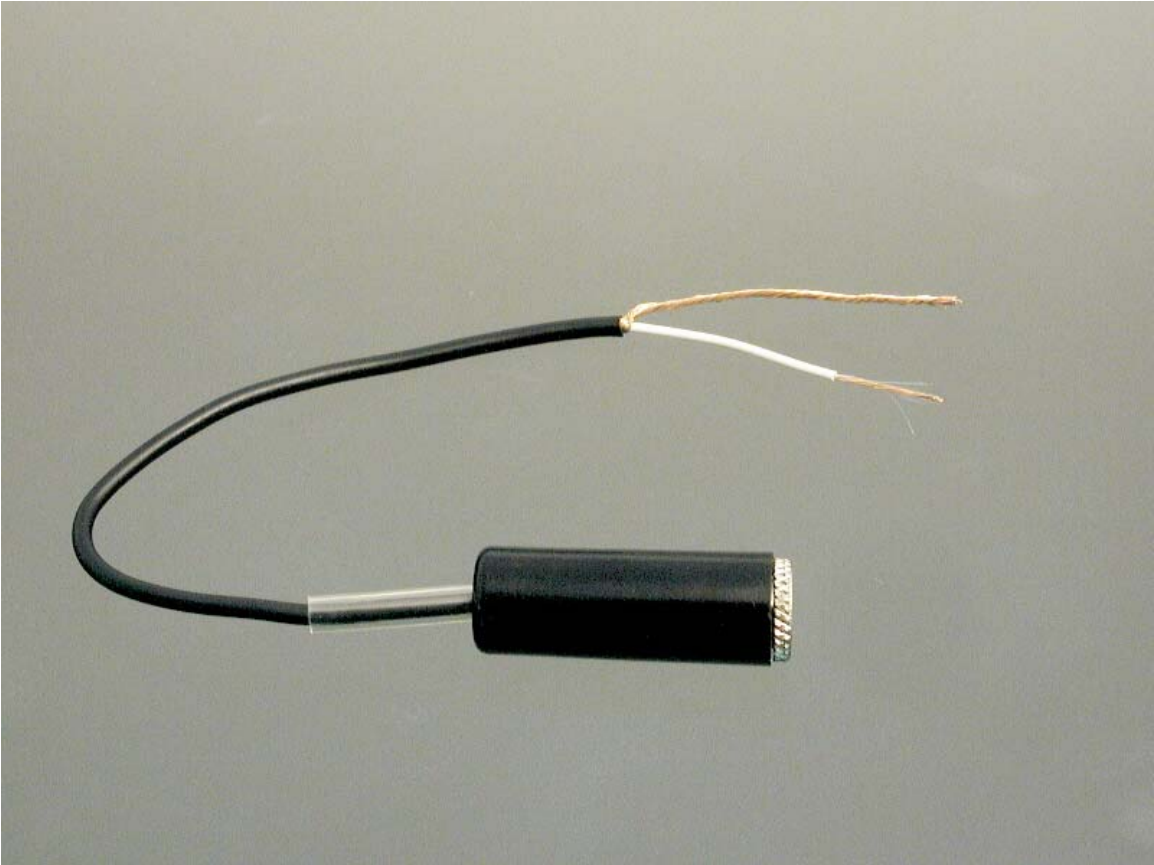
Twist the strands together



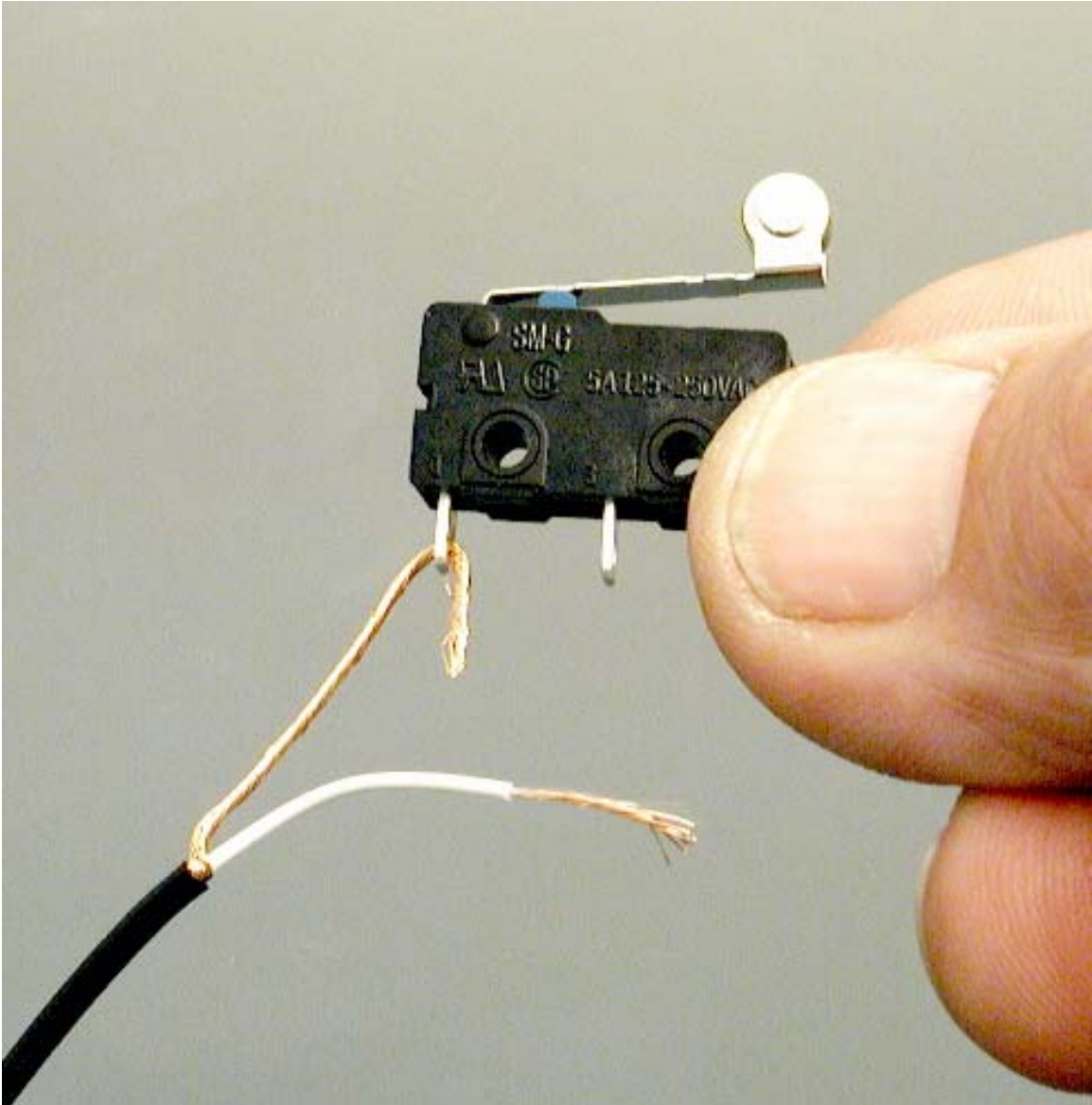
The white wire is delicate enough to strip with your fingernail.
Expose about $\frac{1}{2}$ inch of it.



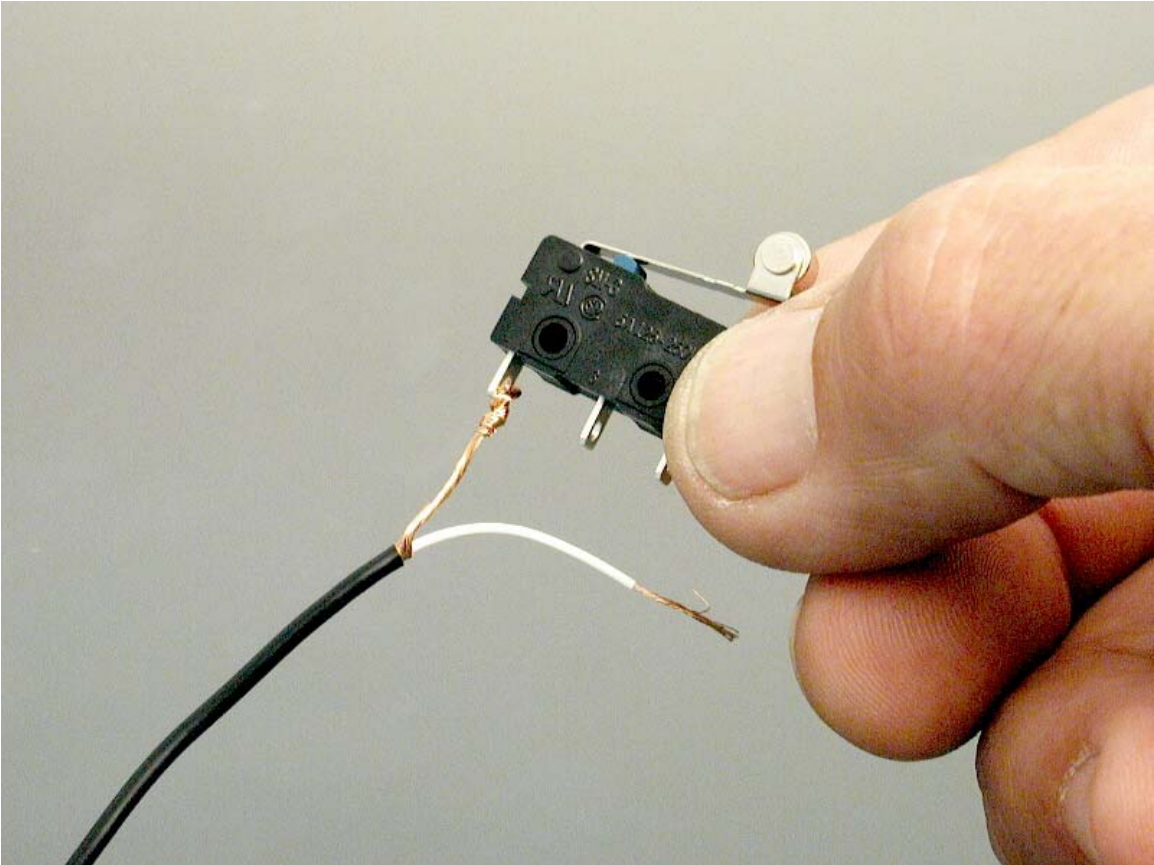
There we go



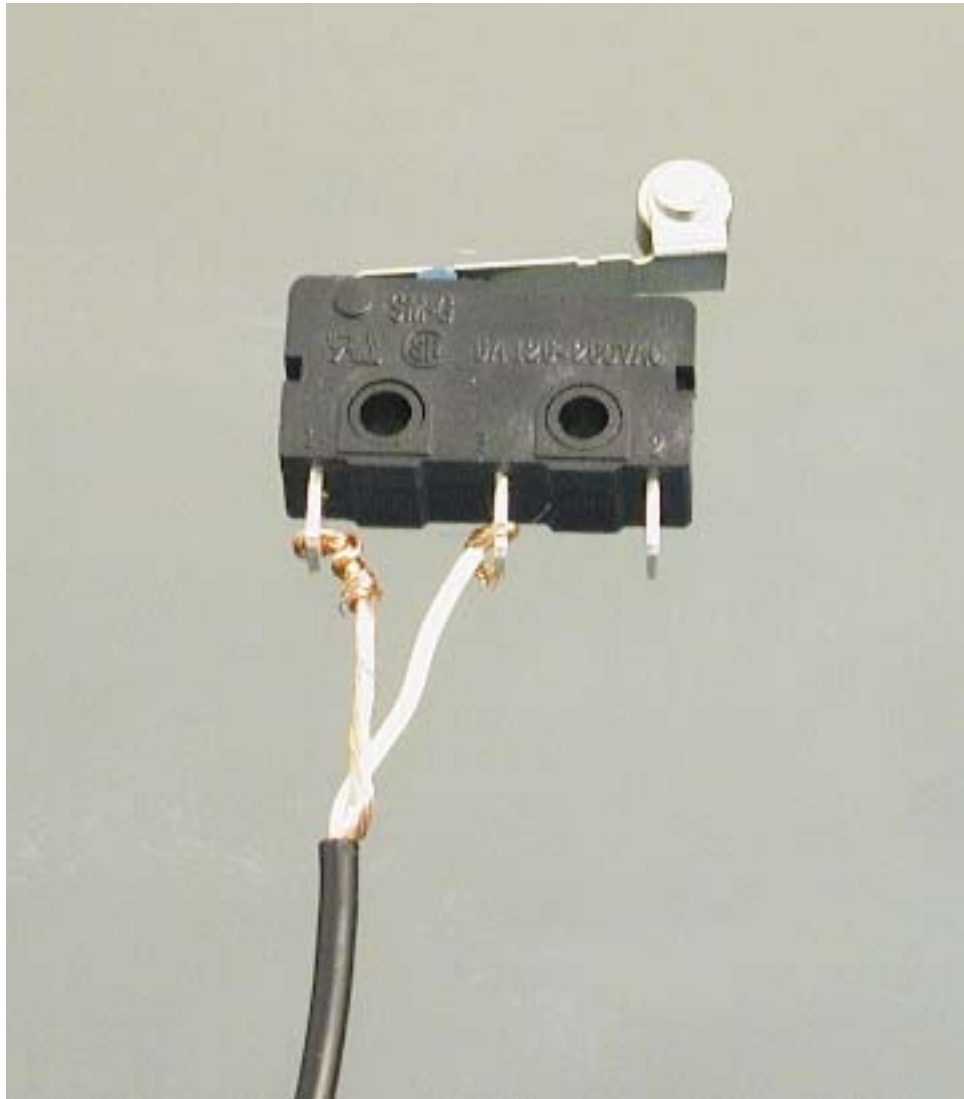
Now this is ready to connect to the switch.



Note the orientation of the switch.
Thread the shielded wire through the hole
in terminal one.

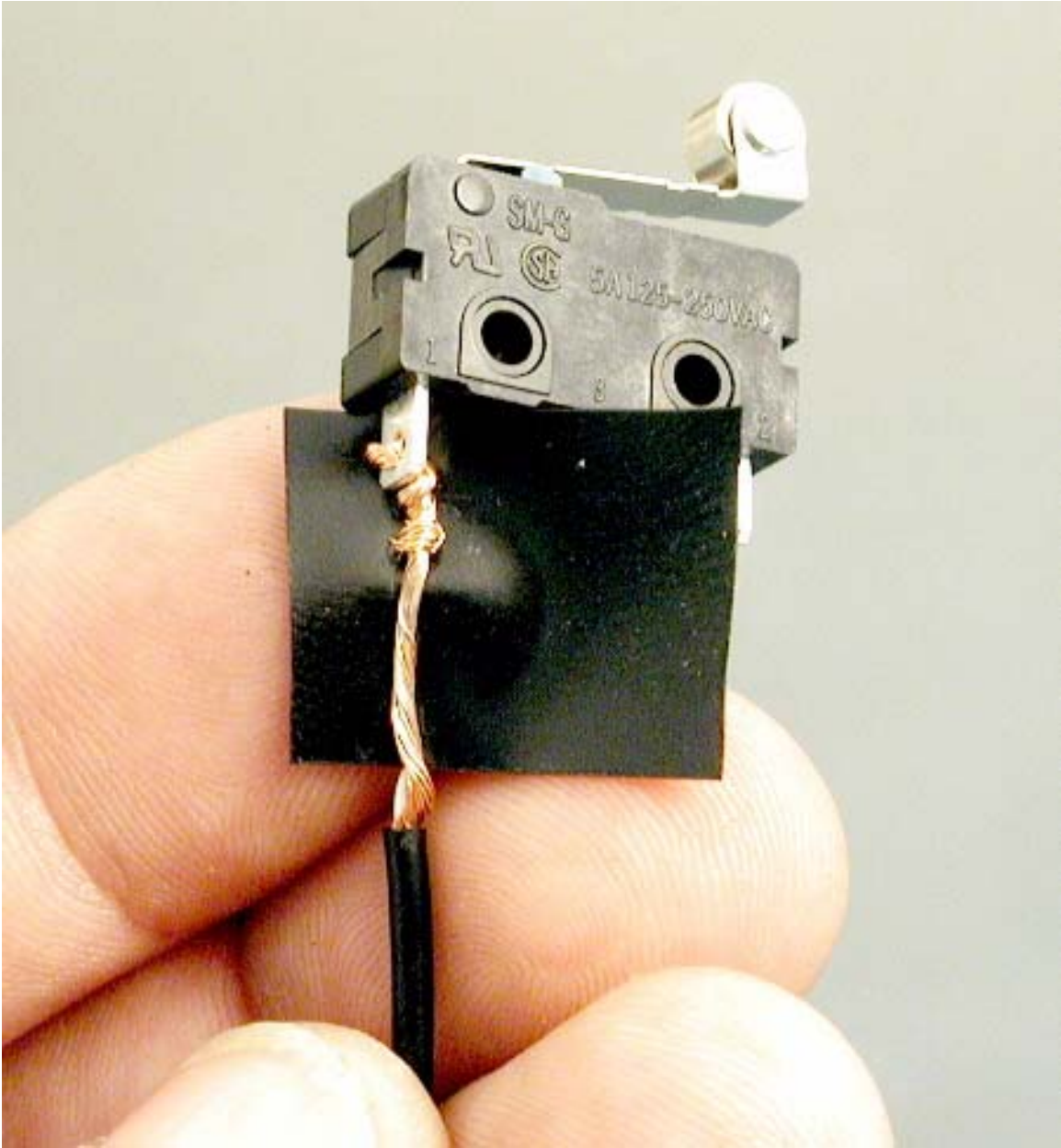


Twist it tightly to insure a good connection.

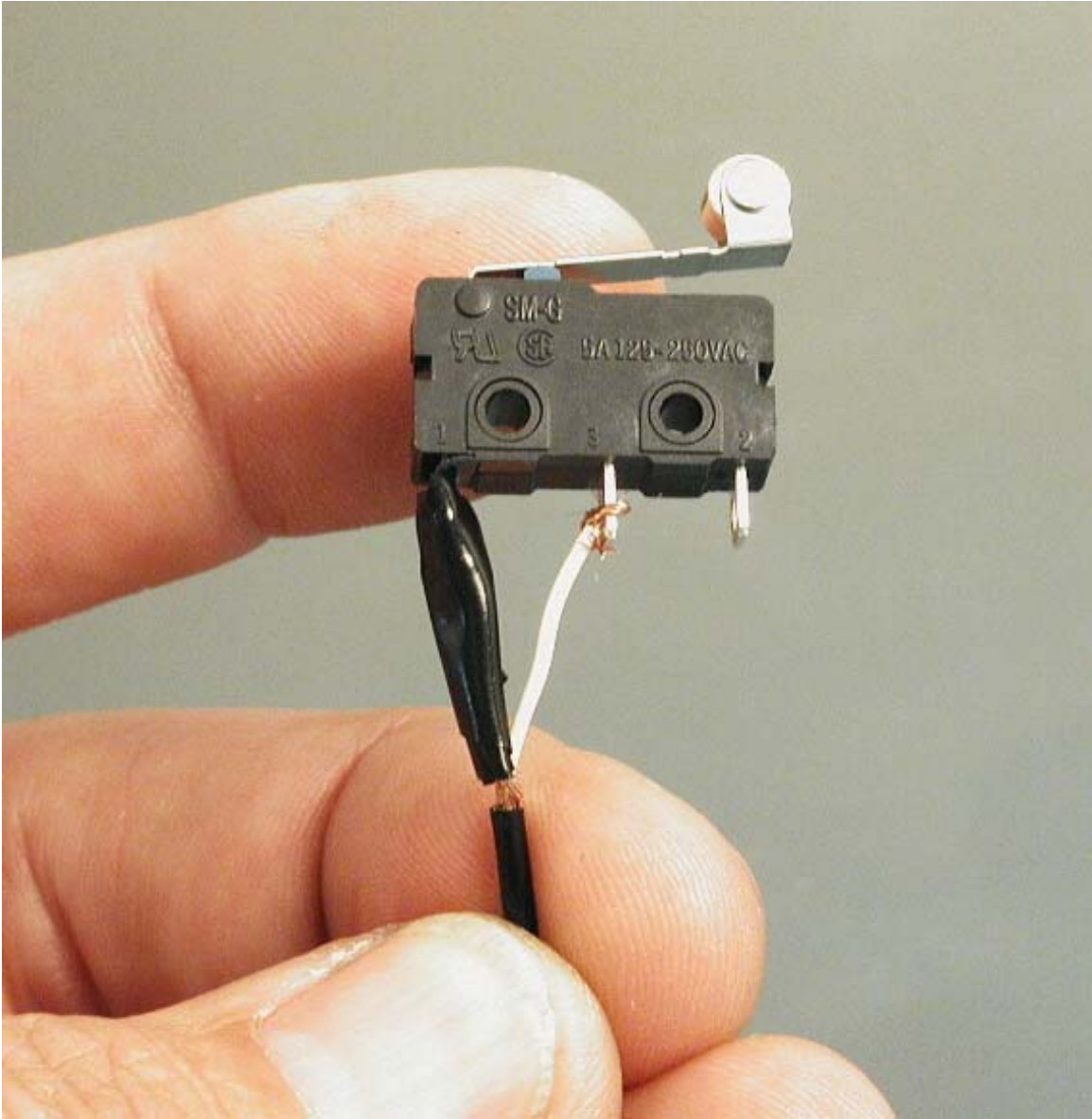


Thread and wrap the white wire through center terminal 3.

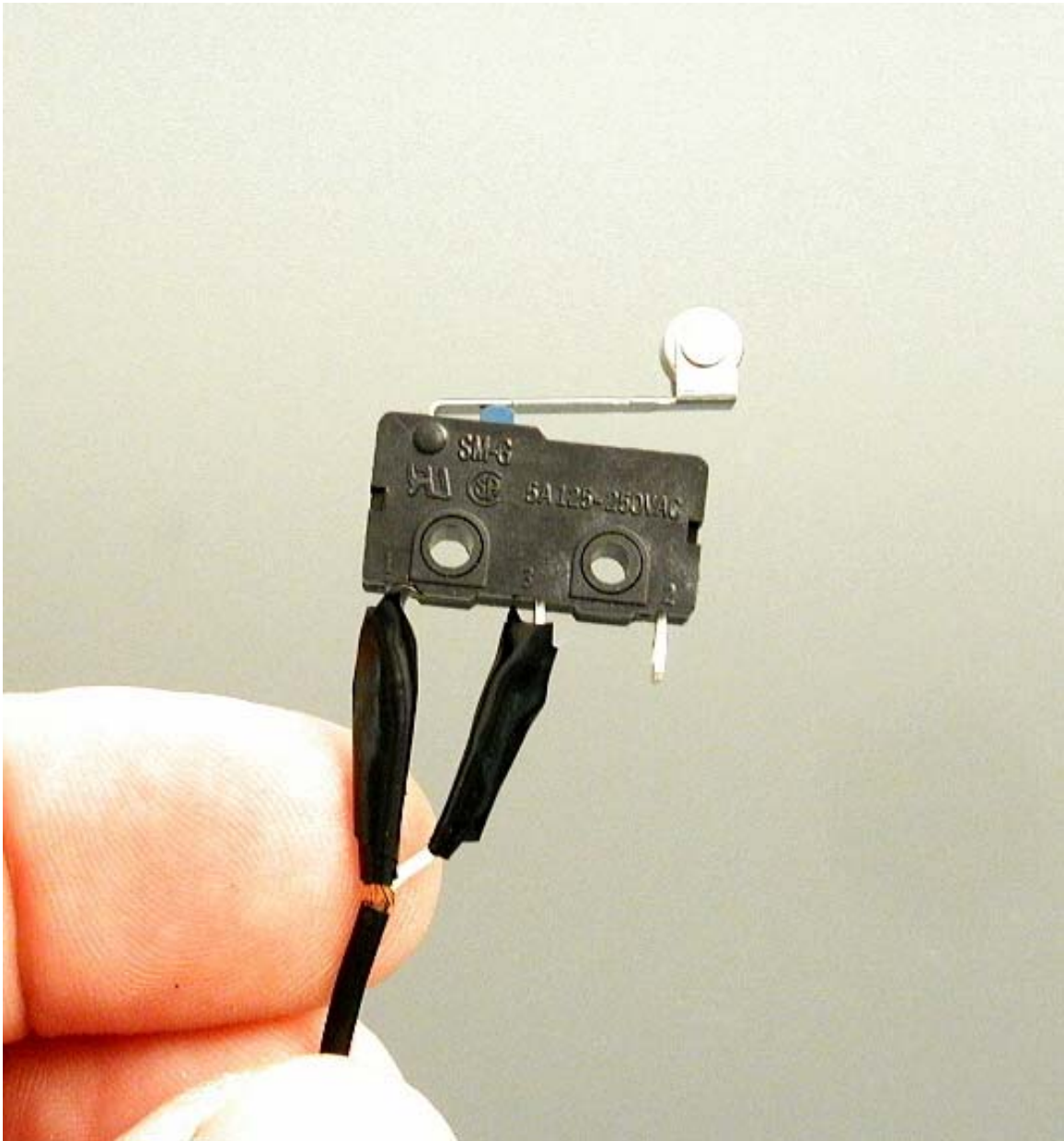
We recommend that these connections be soldered at this point but adequate results can be obtained without solder.



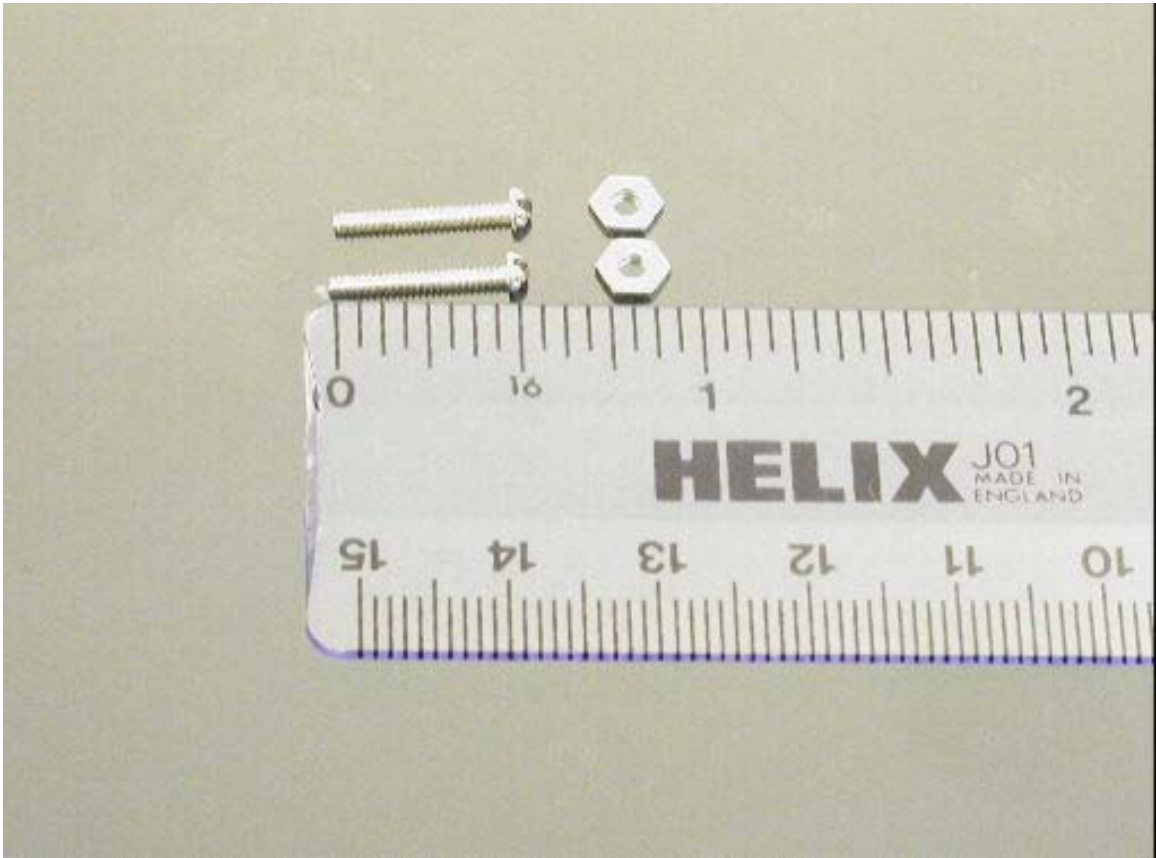
Cut a small piece of tape and apply as shown.



Wrap it tight and repeat for the white wire.



Set this aside for a minute and grab the bag of machine screws.



Select two screws out of the bag that are $\frac{1}{2}$ inch long.



Place and hold the two screws from the left side of the grip.



Position the switch as shown and hand tighten one of the nuts.
Note the wire running through the notch.



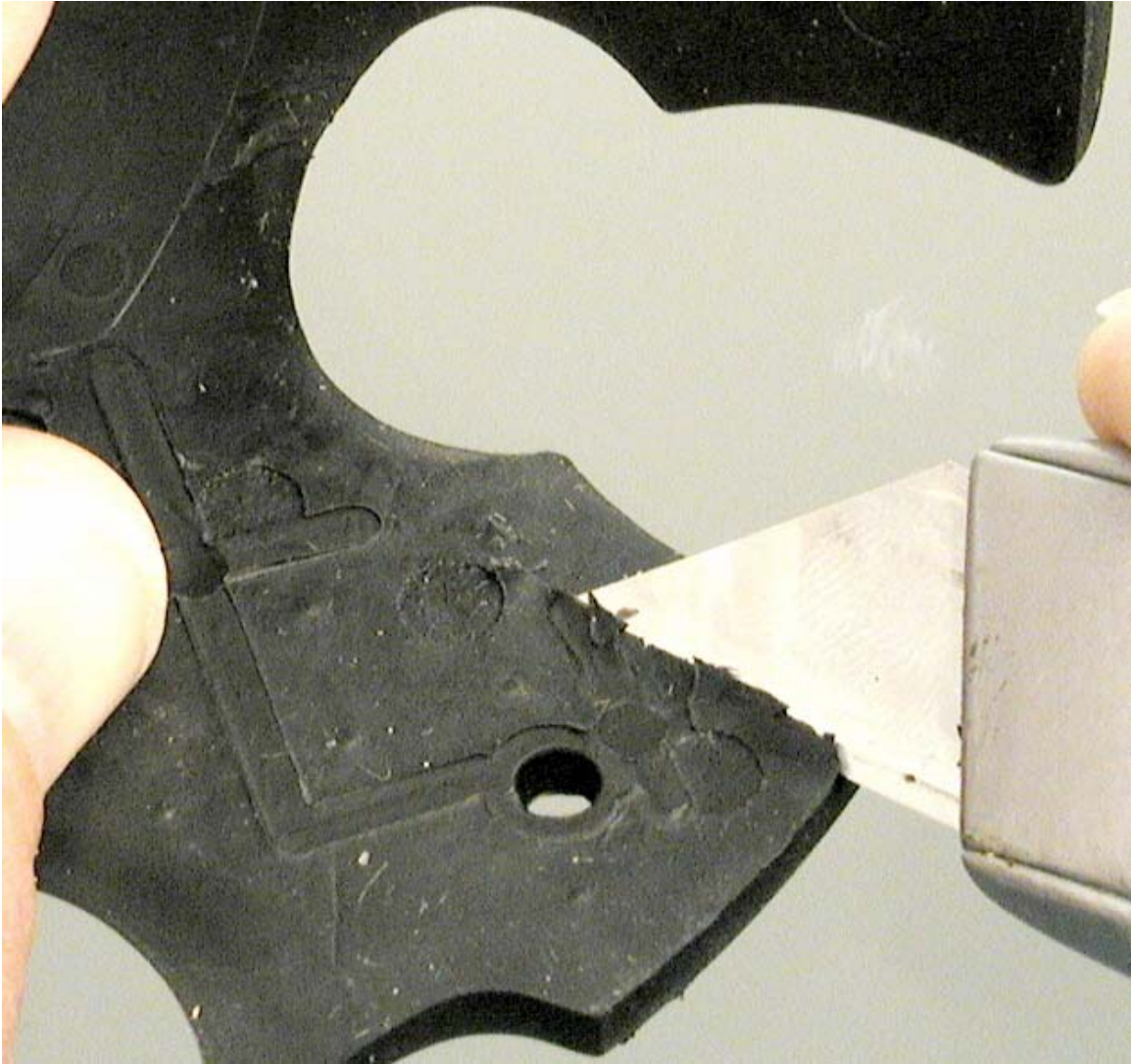
Get the other nut started then tighten them both snug. Not too tight you can break the plastic housing.



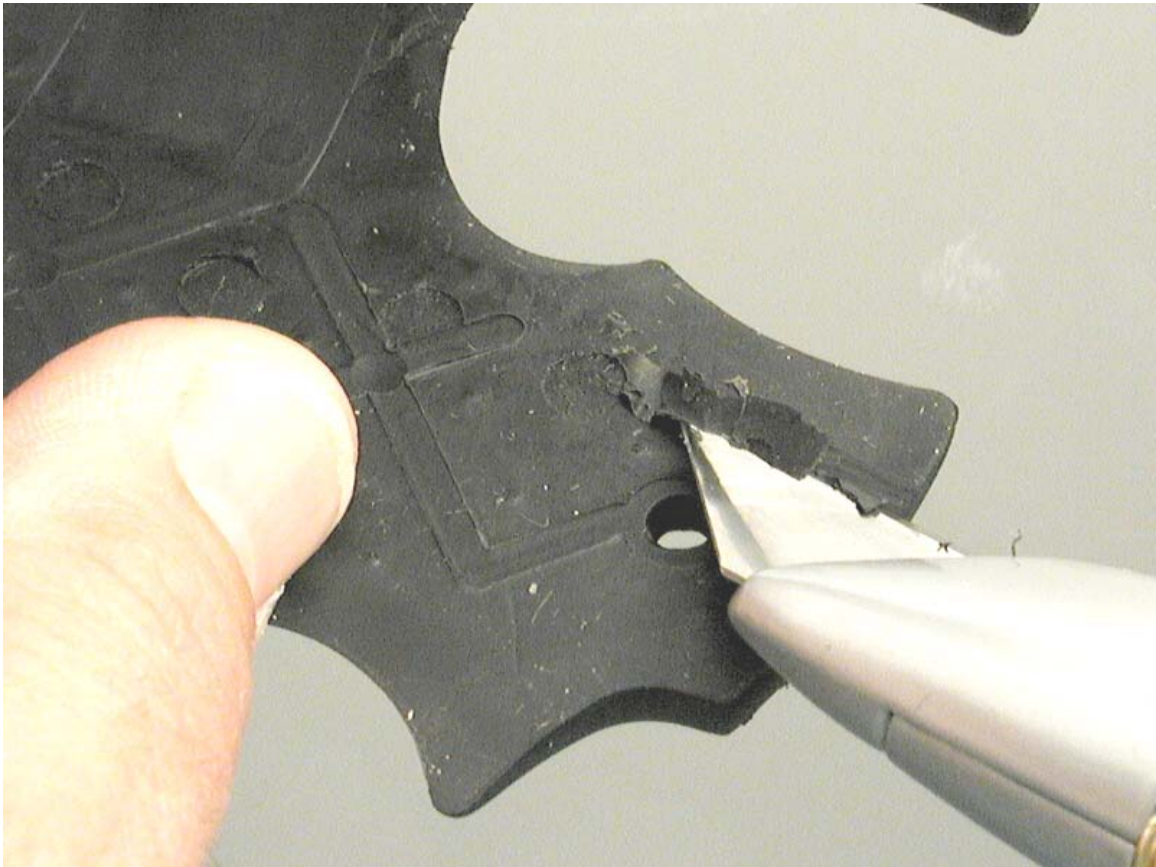
Now we will notch the inside of the grip out to clear the wire.



Open the grip up as shown.



Very Carefully, start a $\frac{3}{4}$ ' long cut in at an angle, midway between the screw mounting hole and the edge of the grip.



Now cut in from the other direction to make a small groove that will fit the wire. Be carefull not to cut all the way through the grip.



The picture shows the nylon reinforcement imbedded in the grip.
Test fit the wire and adjust the notch if necessary.



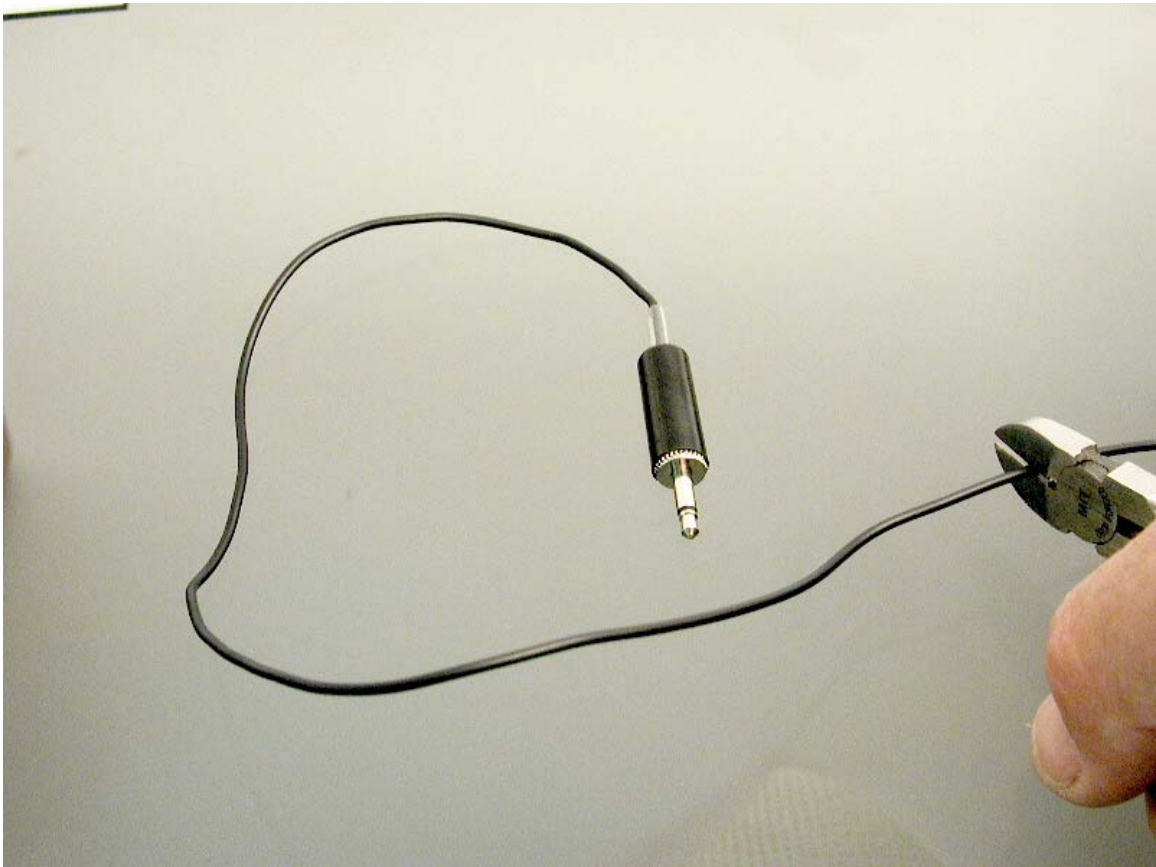
Screw the left side of the grip in first.



Route the excess wire from the switch, down through the notch and back up and out. We ended up hanging our plug out about $\frac{1}{4}$ of an inch.



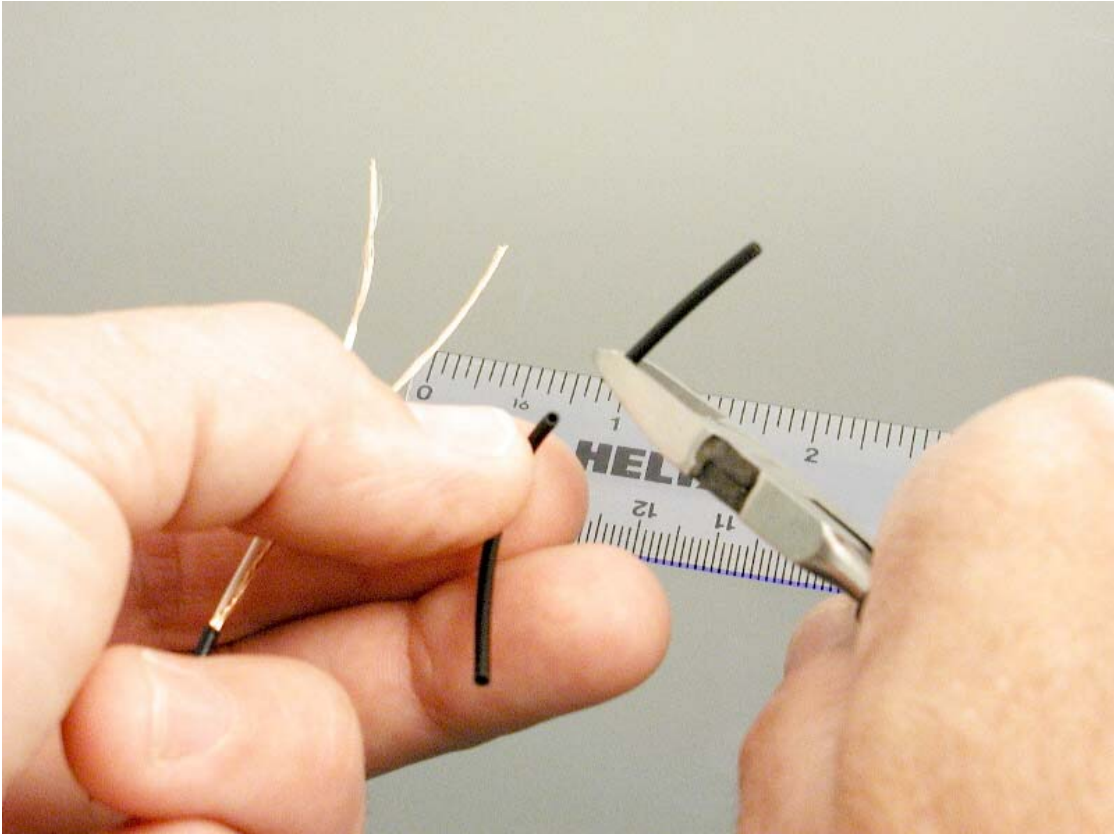
Line up the wire and notch and install the two remaining screws, and we are done with the grip for now.



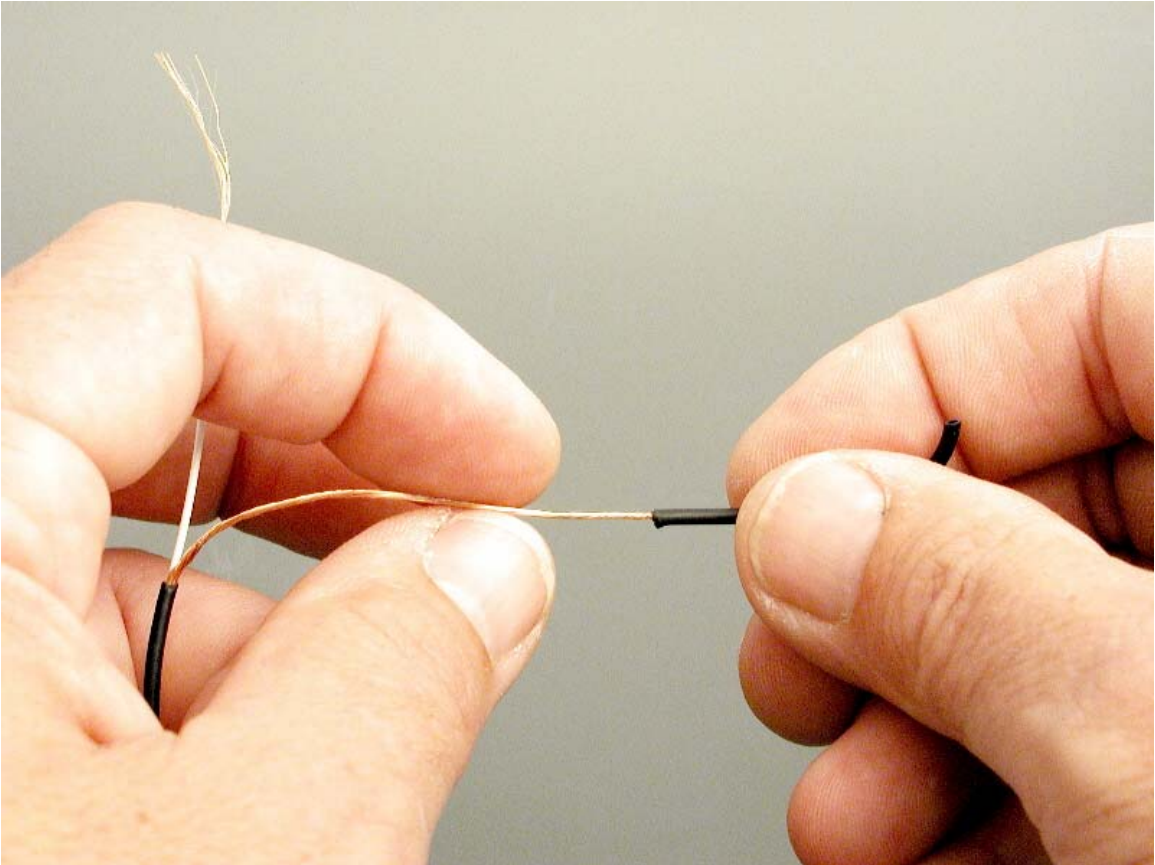
You will need enough wire from the male side, to reach comfortably from the plug in your grip to the board In your Rev. plus some for the connection. Ten inches should be enough for most setups. Check and see what length will work out best for you.



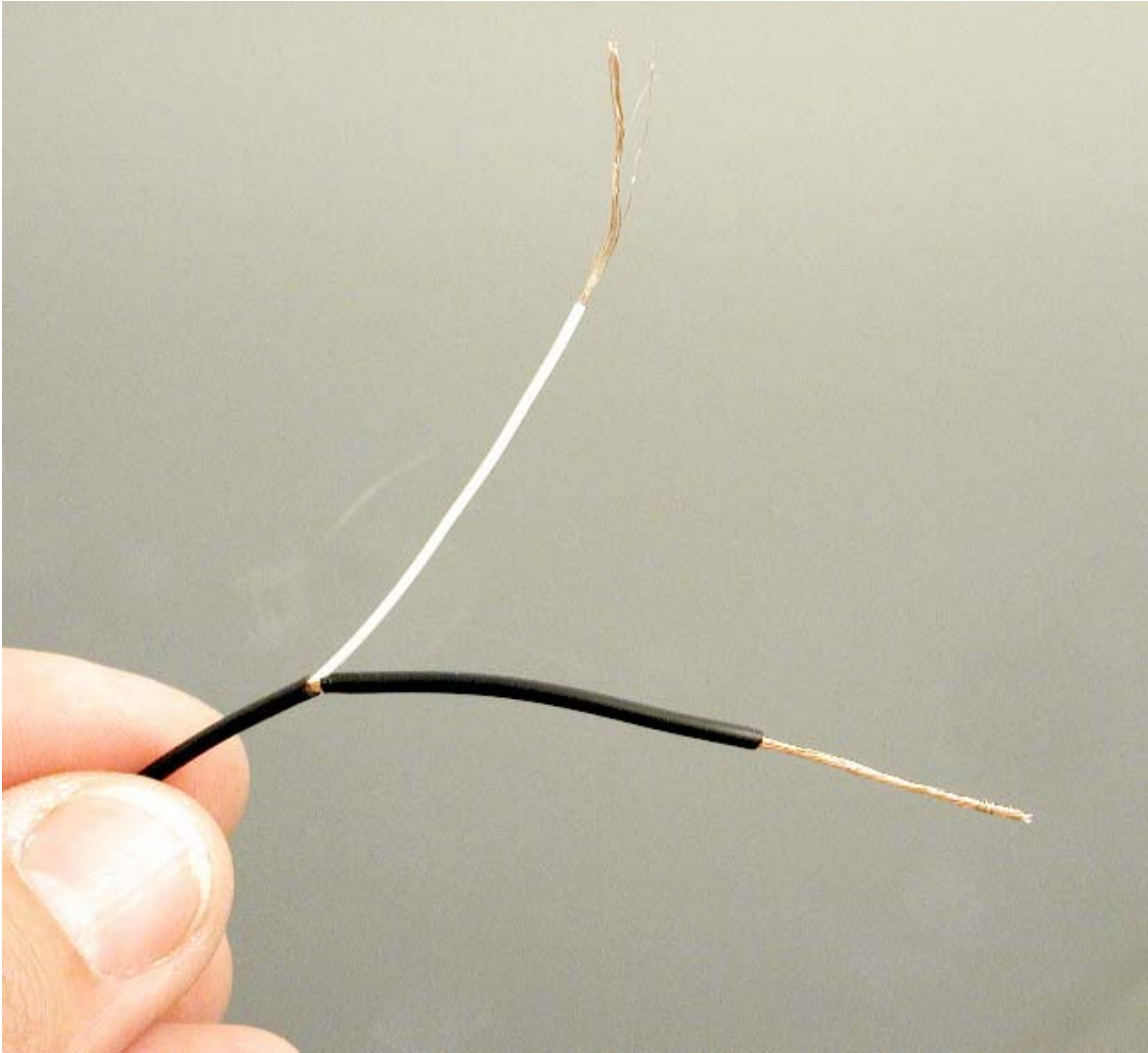
Strip approx. 2 ½ inches of insulation off the end, separate and twist as before.



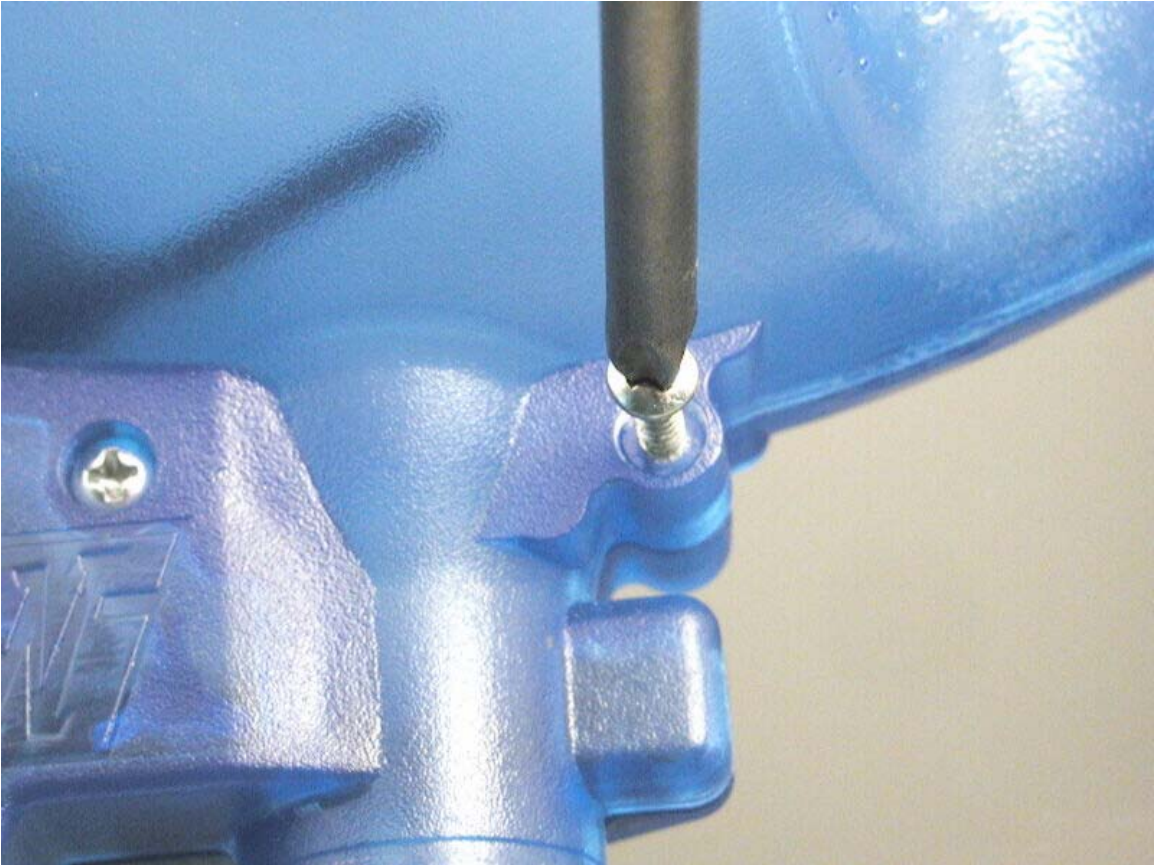
Cut about an inch off the insulation.



Put the piece of insulation back on the wire to prevent grounding.



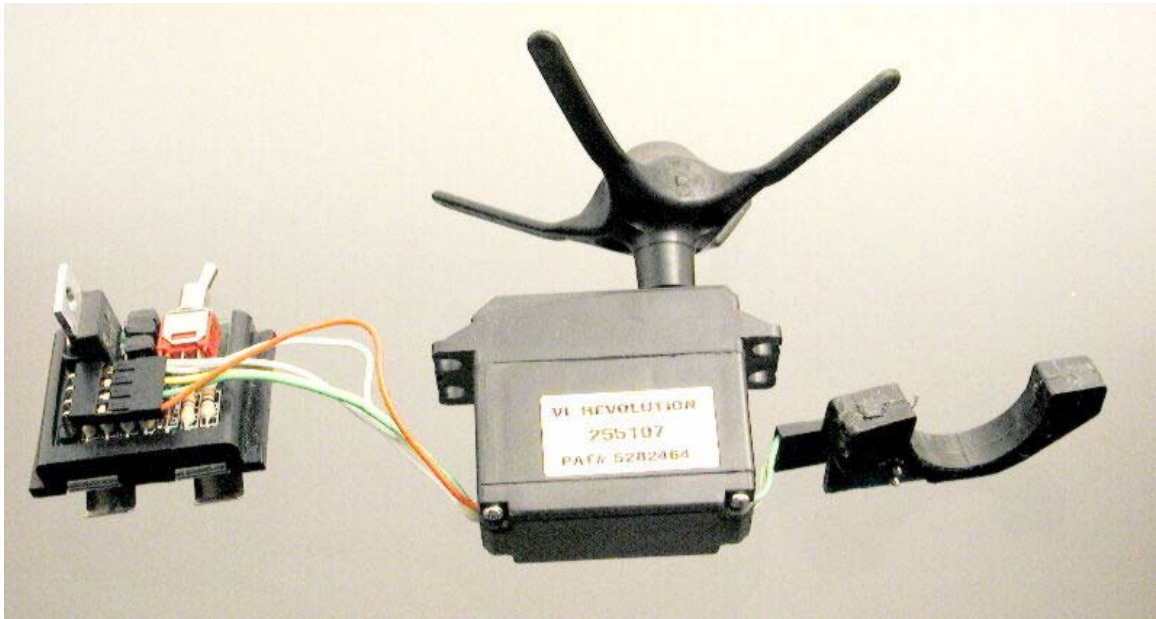
Good, now grab your Rev. and a Phillips screwdriver.



Remove all seven screws from the case.



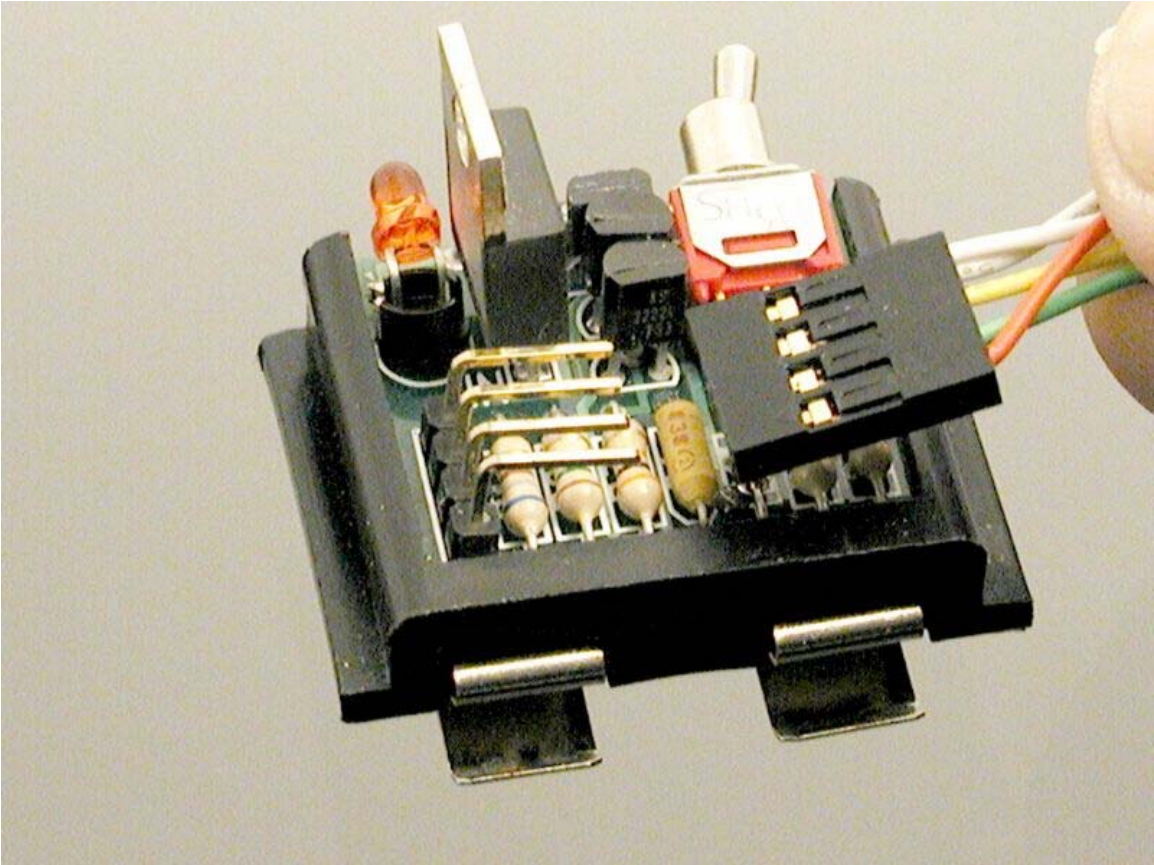
The entire guts will now lift out.



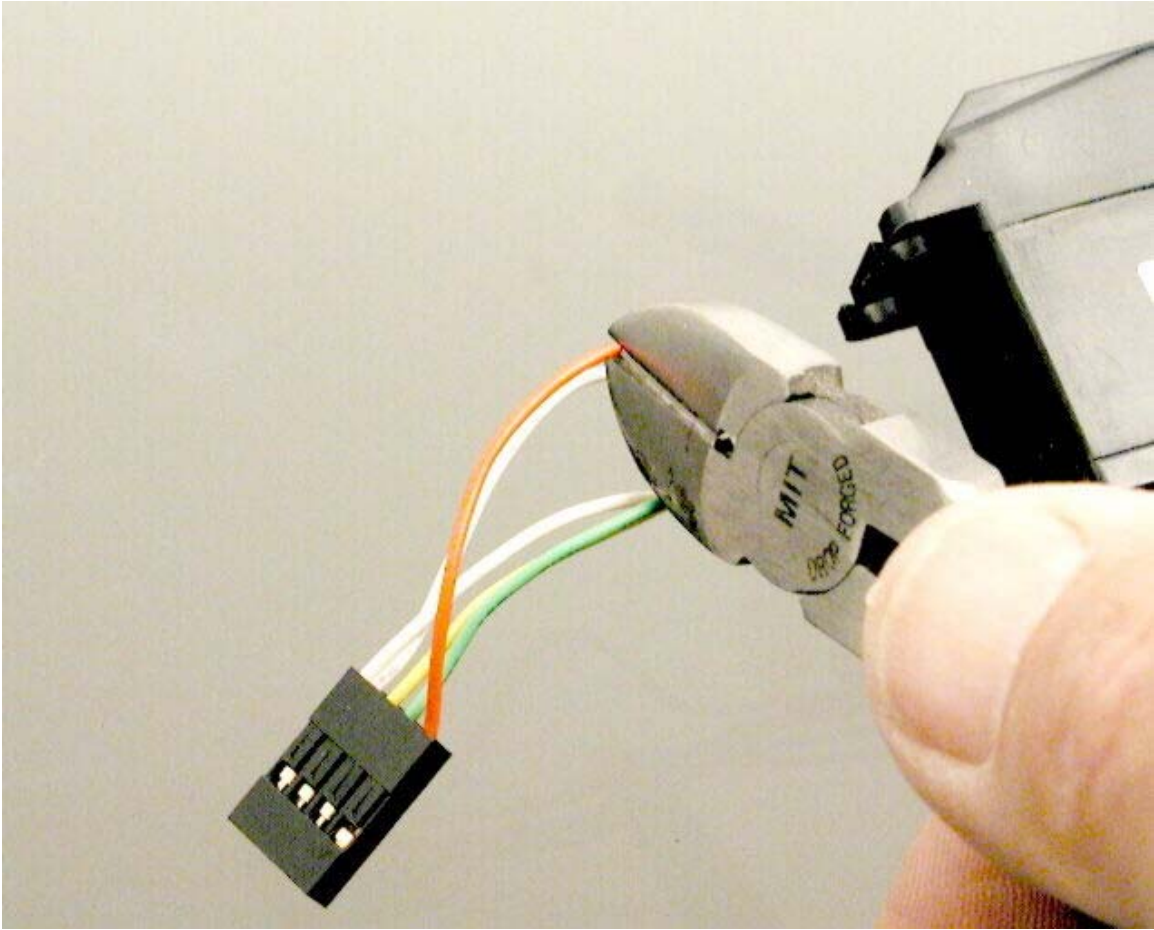
Board

Drive Motor

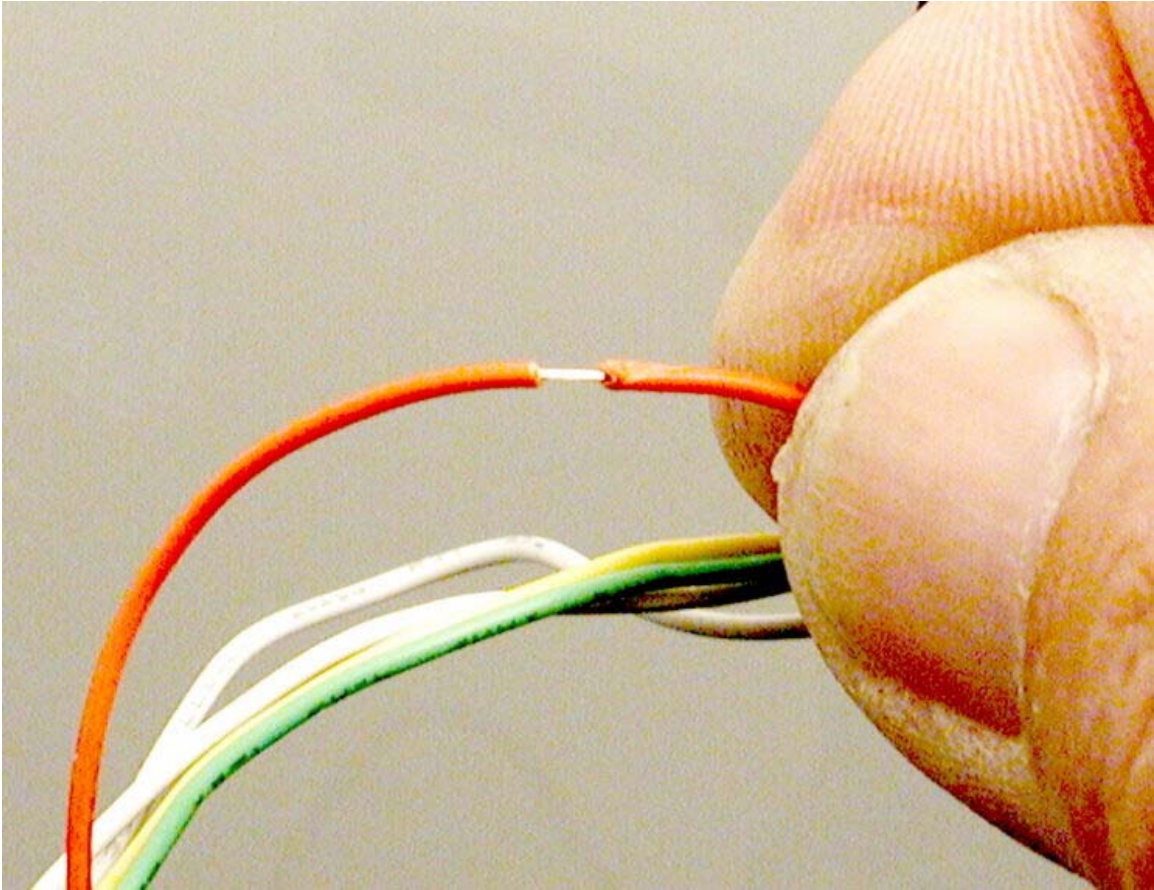
Sensor eye



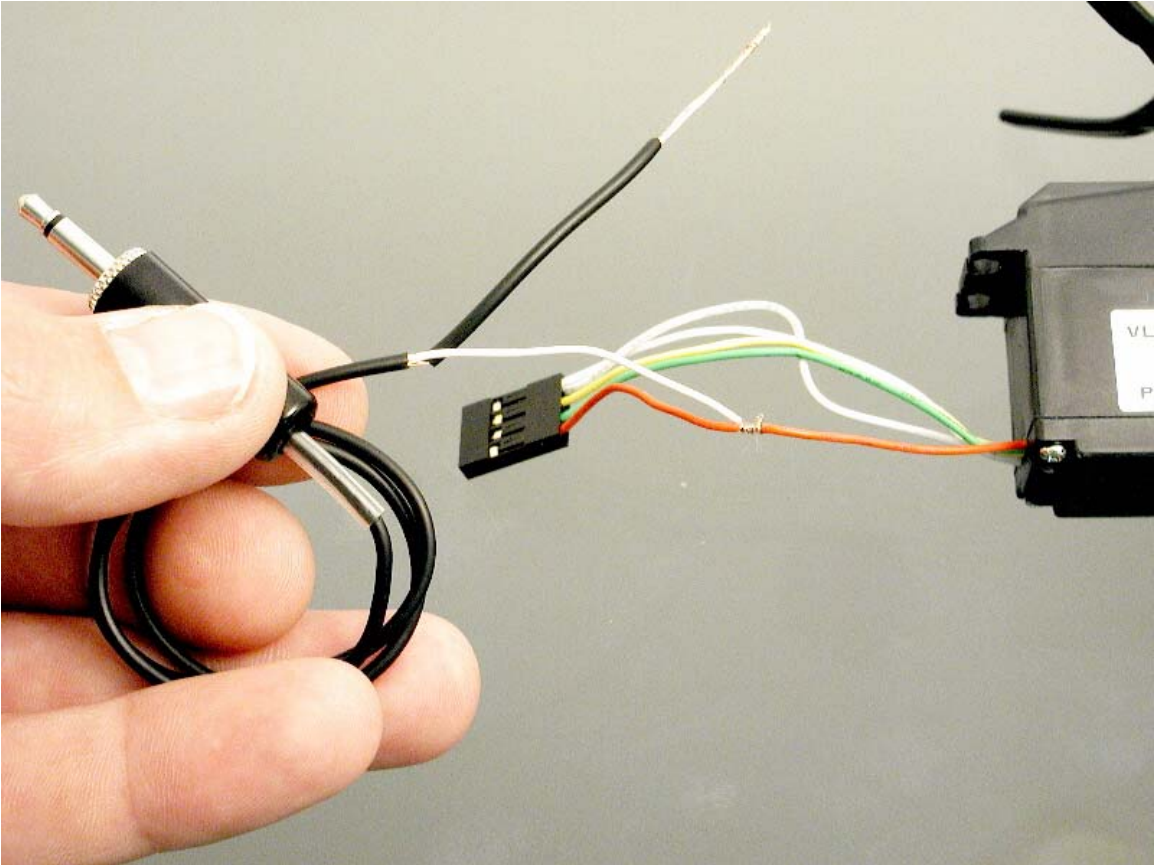
Disconnect the plug from the board (don't pull it out by the wires)



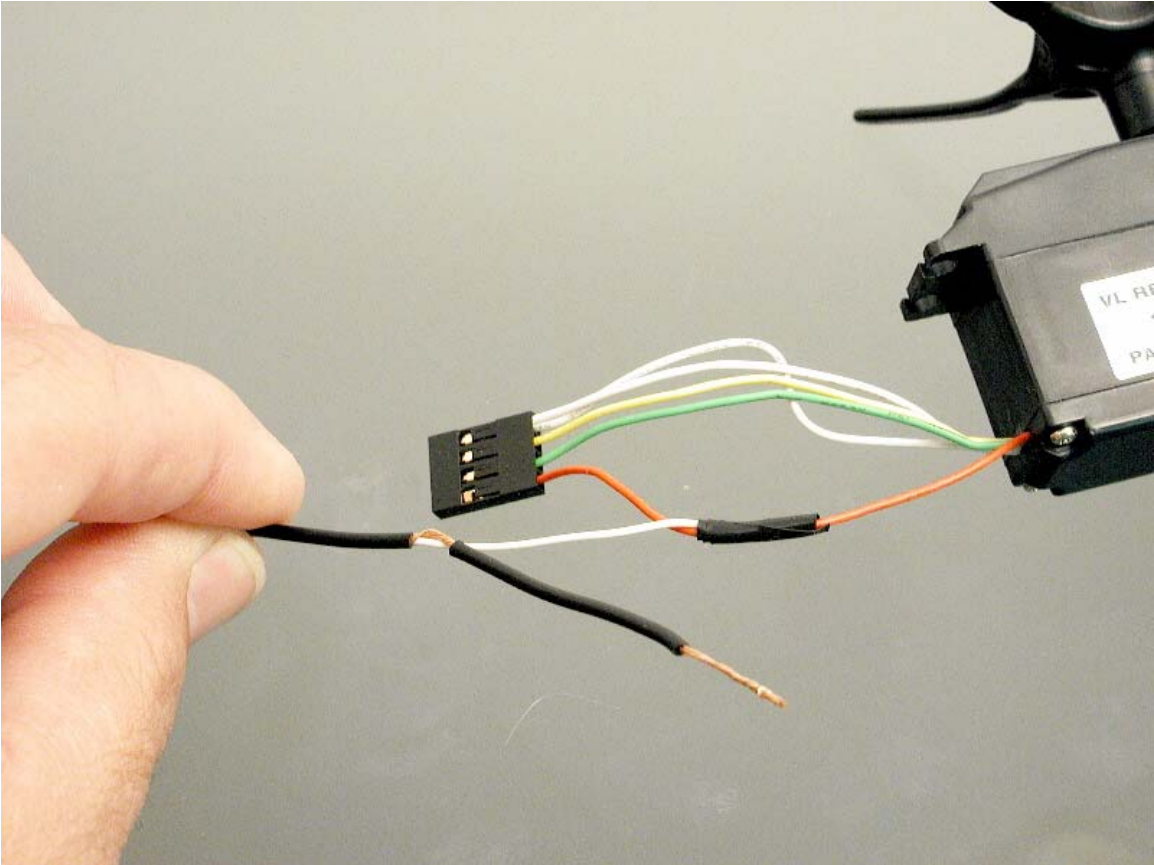
You need to tap into the RED wire about an inch from the plug by Carefully stripping the insulation back. Try not to cut the actual wire, just the insulation.



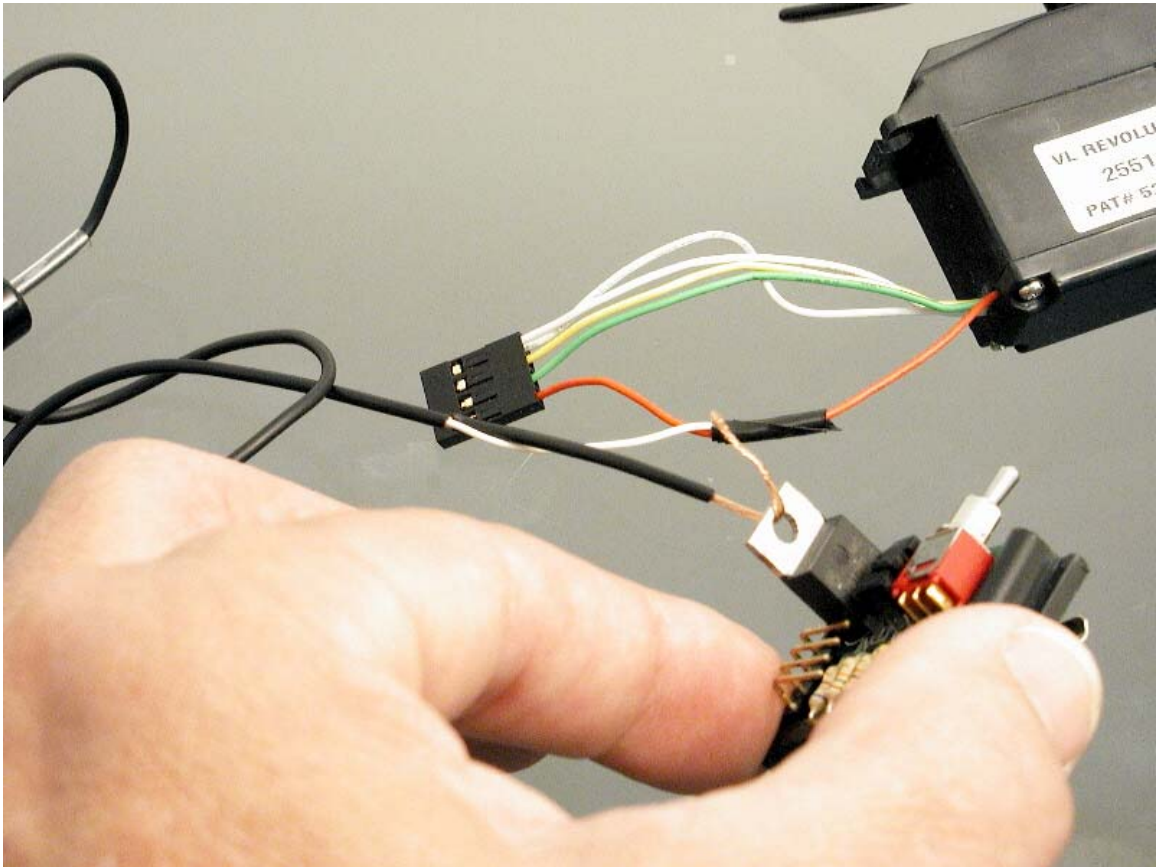
This is how it should look with the insulation removed. Now you can connect the white wire here.



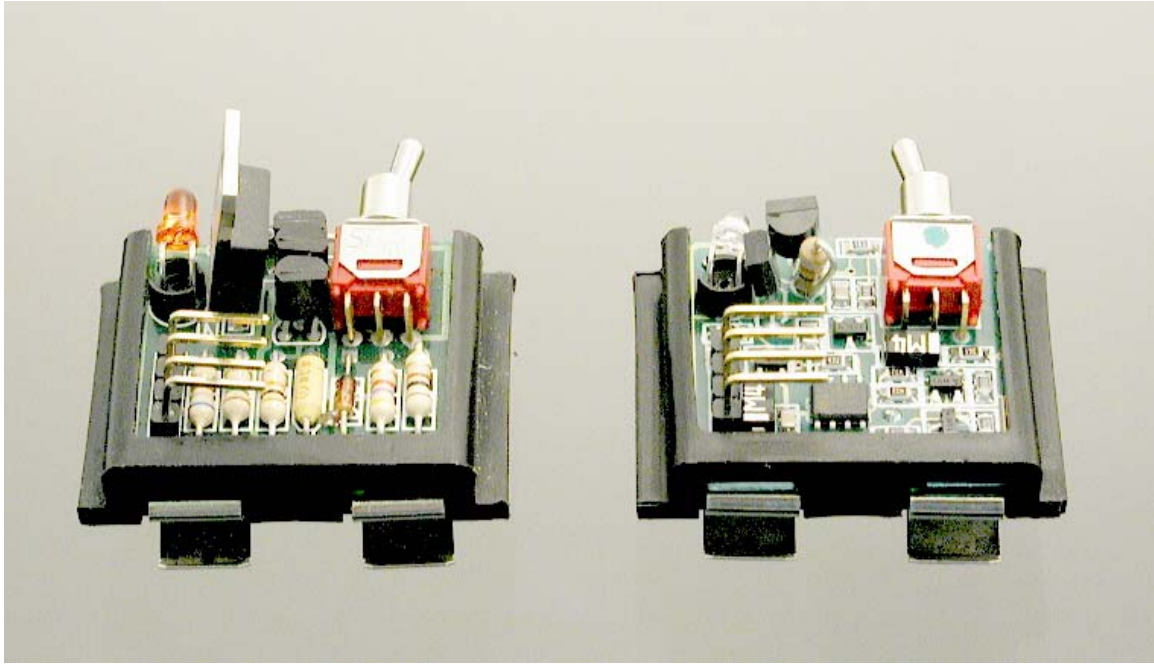
Wrap the white wire around the red wire several times.



Add a small piece of tape.

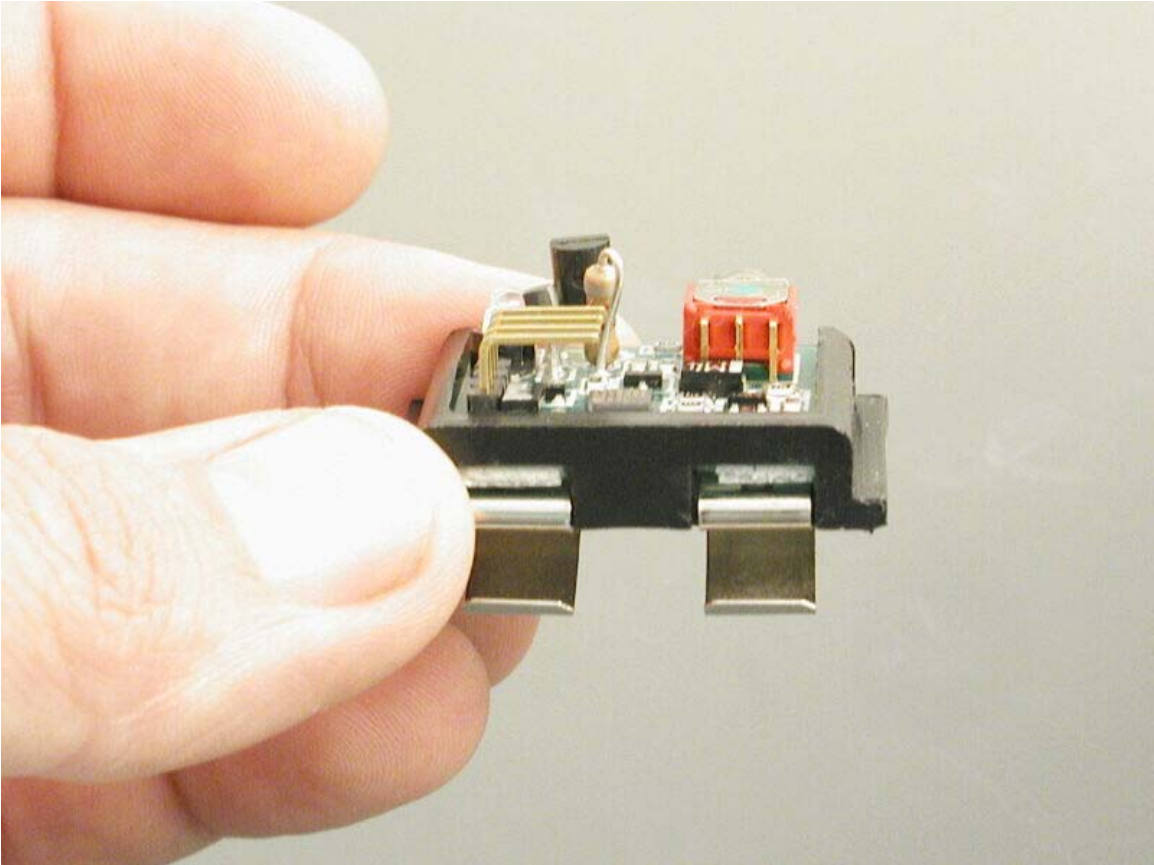


If your board has one, you can connect the shielded end of the cable through the hole in the voltage regulator as shown.

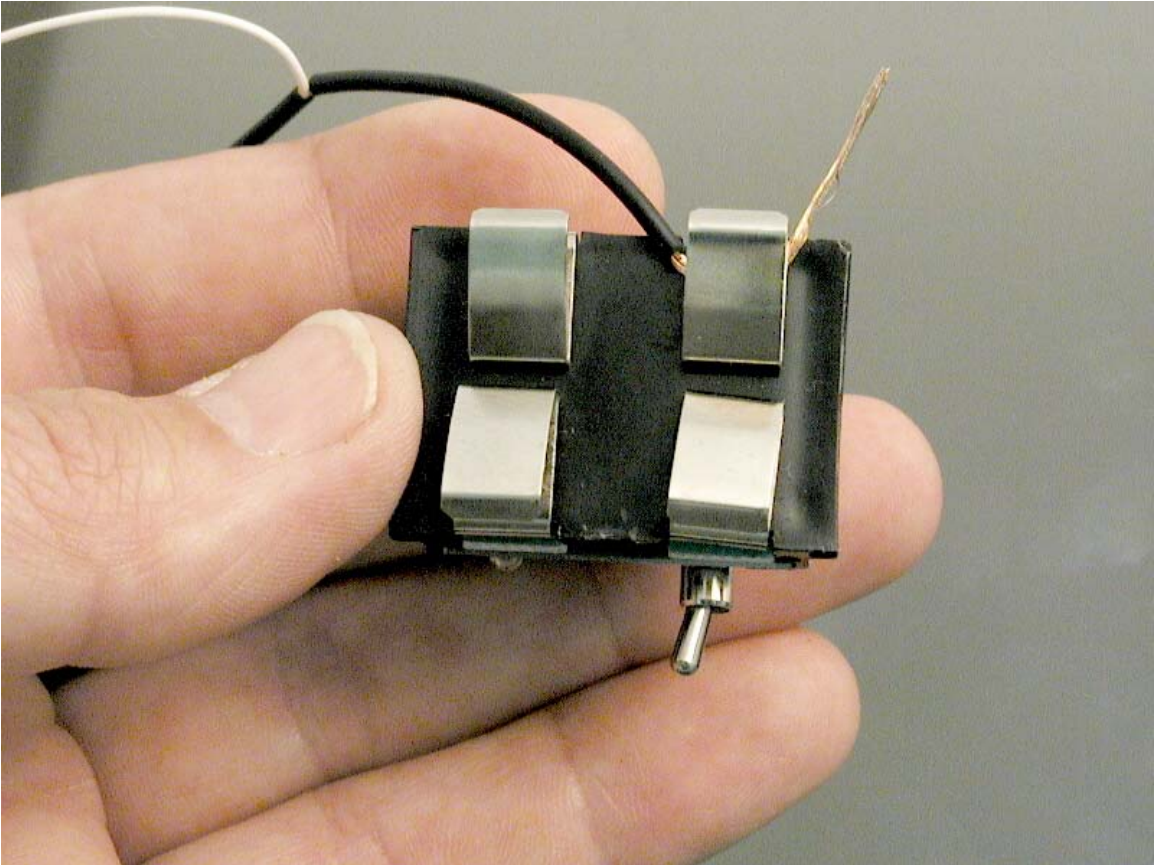


With Voltage regulator

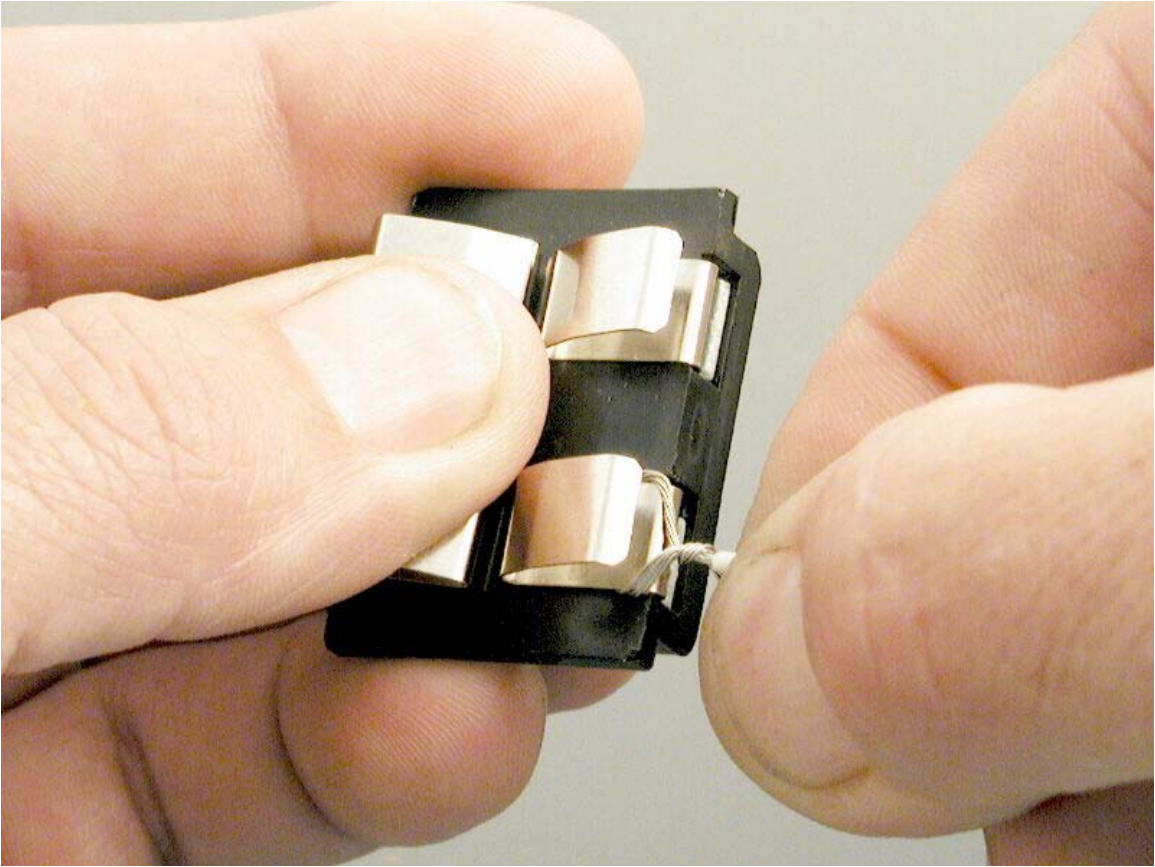
Without



If your board doesn't have that regulator, you can connect the shield
To one of the battery terminals on the underside.



Note that it's the terminal opposite the switch as shown here.



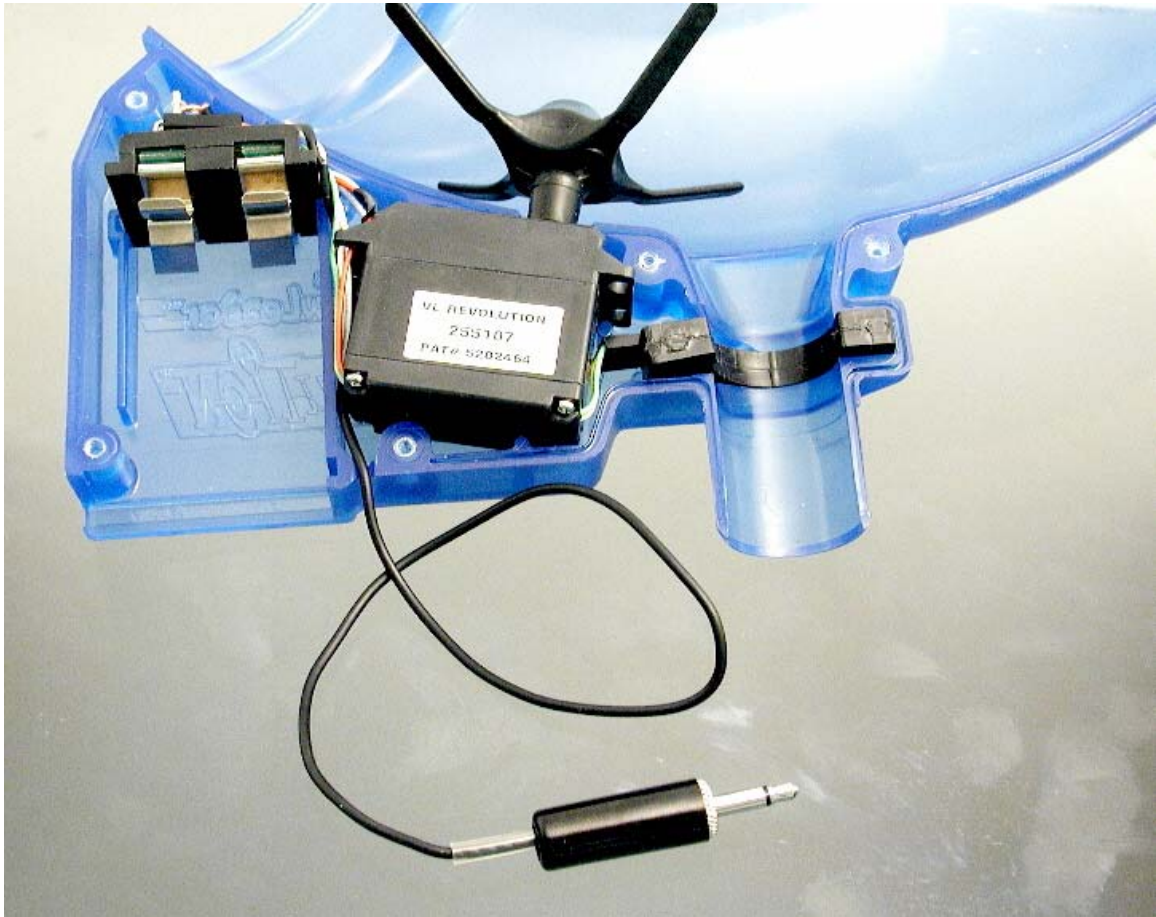
Twist the excess up



With your knife you will need to make a small notch on the bottom of the Rev. Case for the cable to exit . We made one just on the other side of the battery compartment wall.



Make the notch just smaller than the cable for a snug fit.



Connect the plug back into the circuit board and reinstall the guts.



Your finished Intelliframe system!! For help and to see how other people are using the Intelliframe, please visit AGD's forum www.automags.org. There are hundreds of people there that will answer your questions including factory techs.

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