



Solderless Unibody Switch Assembly Guide


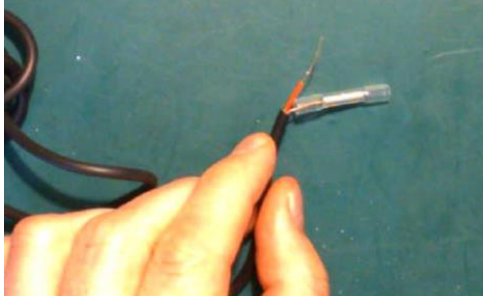

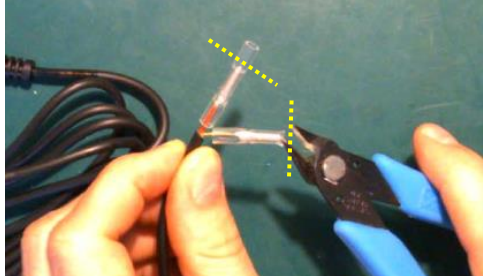

	Tools: <ul style="list-style-type: none"> • Super glue • Flush cutters • Wire strippers • Needle nose pliers (optional) • Heat Gun / Lighter
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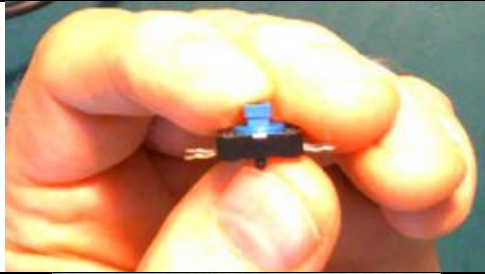
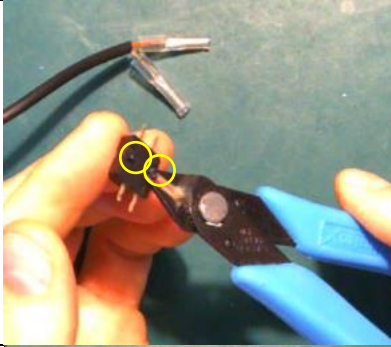

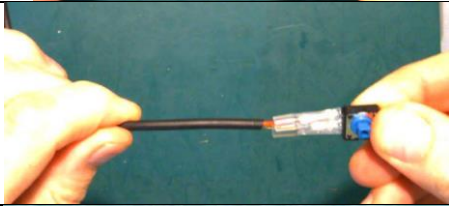

Parts:






Qty	Description	Link
2	24-26ga. wire crimp connectors	Amazon.ca
1	18 inch zip tie	Amazon.ca
1	3.5 mm mono cable <ul style="list-style-type: none"> • May be able to find these at local dollar store 	All Electronics Corp Digikey
1	12 mm Tactile Switch	Digikey
1	3D Printed Switch Body	





Assembly Instructions:

Step	Image	Instruction
1		<p>Remove one of the ends and strip the outer wire casing from the monocable.</p> <p><i>Expose about 2 cm of the internal wires.</i></p>

2		Remove the casing from the inner wire(s) and tightly twist the braided copper ends.
3		Test fit the crimp, and cut bare wire ends to length to leave limited wire exposed.
4		<p>Using the plier nose of the wire strippers, squeeze the crimp firmly to fix the wire.</p> <p><i>Can also use Needle Nose plier for this step.</i></p>
5		<p>Trim the heat shrink from the open end of the crimp.</p> <p><i>It doesn't need to be perfectly flush.</i></p>
6		Flatten both sets of leads on the Tactile Switch using the nose of the wire strippers.

7		Verify leads are generally flat.
8		Cut the 2 bumps off the bottom of the Tactile Switch so they are flush.
9		Insert the Tactile switch leads into the open crimp end, and crimp firmly.
10		Give your connection a quick tug test to make sure all crimp connections are secure. <i>You can also test the switch to make sure it's working at this point.</i>
11		Heat the shrink wrap covers so they reduce over the wires. <i>Use a heat gun if you own one. If not, a lighter or very hot hair dryer can also do the job.</i>

12		<p>Slide the Tactile Switch through the opening at the back of the switch body and insert the prongs under the lip at the front of the switch body. This is a test fit only.</p> <p><i>Making sure the prongs are slightly pointed down can help them insert easier.</i></p>
13		<p>Work quickly here, but don't rush.</p> <p>Add a good size drop of super glue in where the switch will sit.</p>
14		<p>Slide the Tactile Switch through the opening at the back of the switch with enough extra wire to make a large loop.</p>
15		<p>Re-insert the switch with the prongs under the lip. Hold it tight for 10 seconds until the glue sets.</p> <p>Warning: Careful not to glue your fingers!</p>
16		<p>Insert a small tie strap, downward through one of the holes.</p>

17		Loop the tie strap back up and through the other slot.
18		<p>Making sure the tie strap passes <u>through the middle of the wire loop</u> connect the tie strap and pull it snug, but loose enough so the wire still moves easily.</p> <p>Then pull the wire out to reduce the size of the loop so it fits easily inside the switch body.</p>
19		Tighten the tie strap fully so the wire doesn't move, then snip off the excess.
19		<p>Test your switch and then sit back and admire your handiwork.</p> <p>Great Work!!</p>

Tip for Users:

- When setting this up for a user, adhesive Velcro or tie straps can help you mount it securely to a surface or round tube for reliable operation