

Screw Switch Assembly

Soldering the brass nut to the board will require a soldering iron that is capable of heating the nut hot enough to melt the solder and get a good shiny solder joint. A 25 or 40 watt soldering iron will work just fine.

1. The first step is to lightly tin larger ring on the back side of the board. It just needs a little solder on it to make sure that solder will flow under the brass nut. Use the solder included with the switches.
2. Put the screw through the front of the board and attach the brass nut to the screw. It only needs to be finger tight.
3. Use your soldering iron to apply heat to the nut. Once hot enough, it will melt the solder you applied when tinning the pad. Apply a little more solder around the nut to make sure it will be securely held and place.
4. Once the nut cools back down, make sure you have a good solder joint. It should look shiny and not have a dull silver look. If it doesn't look good, heat it up again and let it get a little hotter than you did the first time.
5. Remove the screw and verify with a VOM (Volt Ohm Meter) that there isn't a short by putting your test leads across the two wire holes.
6. If step 5 is successful, insert the screw and verify the two wire holes have a short when the screw is tightened.
7. Solder the wires or connector you are going to use to connect to your electronics to the board.
8. Assembly complete.