

Ducked Jeep

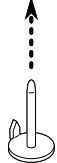
www.2DKits.comwww.build-a-blinkie.org

Parts List

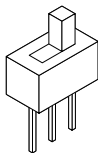
Tie tack clasp
(packaged together)



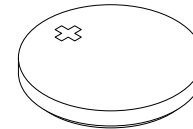
Tie tack



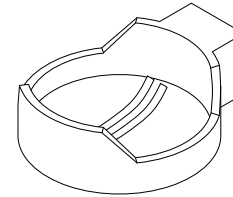
Switch



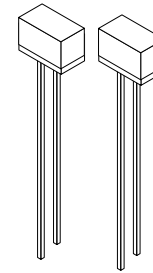
Printed circuit
board (PCB)



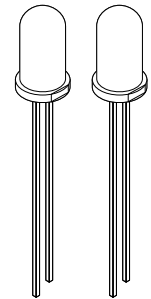
2032 battery



Battery holder



Square LED (2x)
Fog Lights



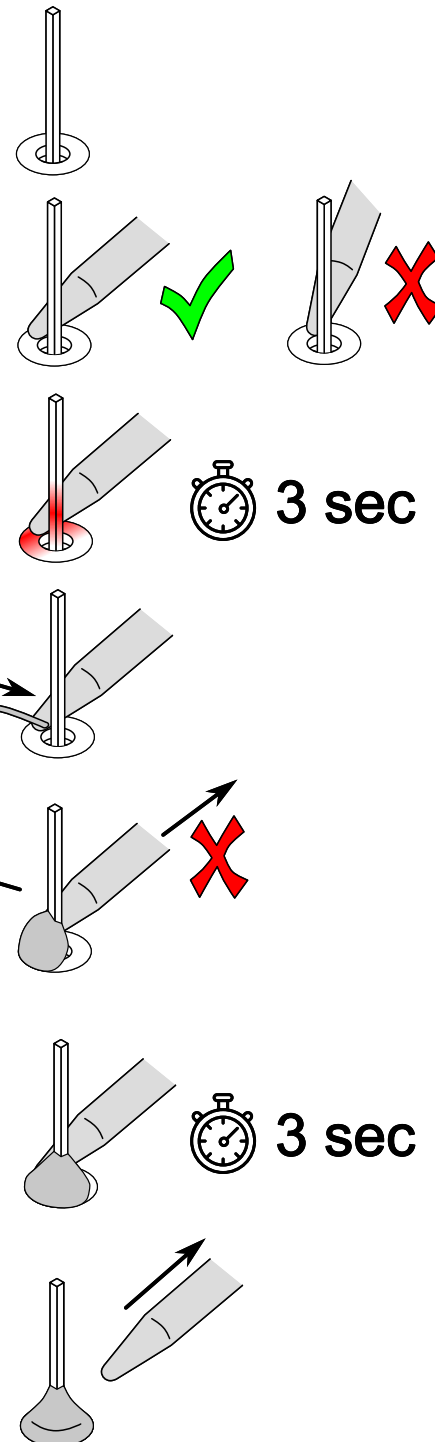
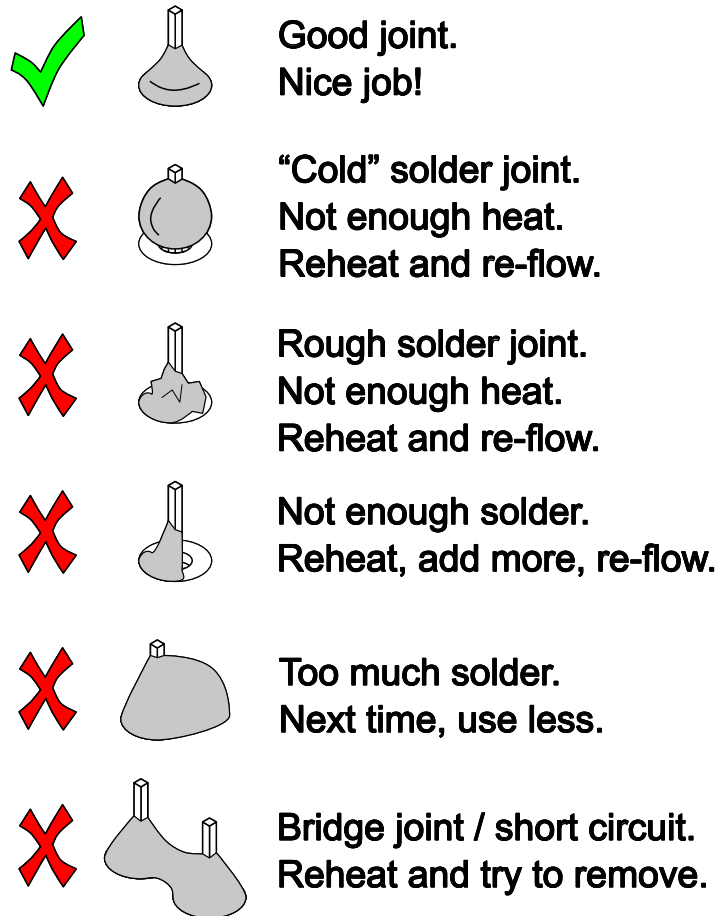
RGB LED (2x)
Headlights

Need help? Please raise your hand.

How To Solder

Solder flows and bonds to *hot* metal. The iron is used to melt the solder *and* heat the parts so the solder sticks.

With a little practice, a good a solder joint should take about 8 to 10 seconds. The iron does not move during this time.



Insert and align part.

Touch iron to part wire *and* PCB pad.

Heat wire and pad.

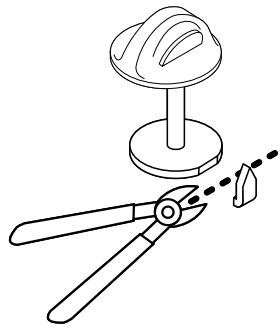
Melt about 1/2 inch of solder into joint.

Remove solder.
DO NOT remove iron.

Continue to heat solder and parts. When everything gets hot enough, the solder often “pops” and flows into place.

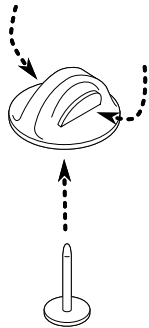
When solder flows across parts, remove iron. The solder will cool and harden in seconds.

Step 1: Tie Tack



Do not remove clasp at this time.
Use cutters to remove the
“spike” from the tack.

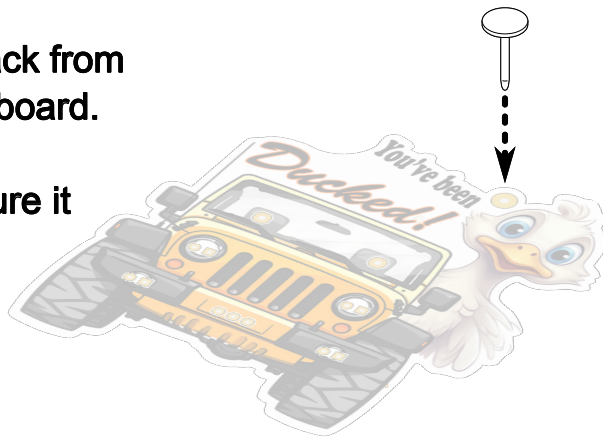
***Make sure spike doesn't fly
off and hurt you or anyone
around you.***



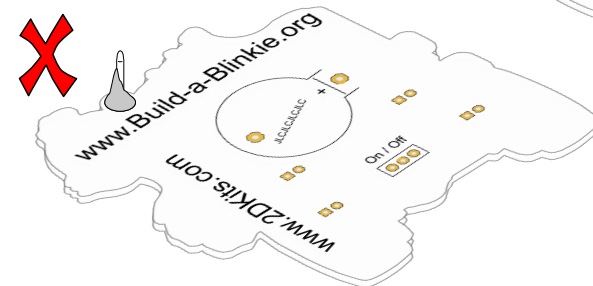
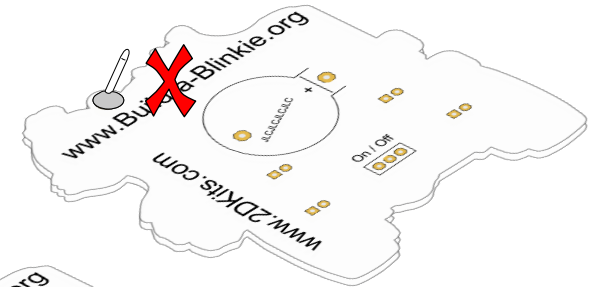
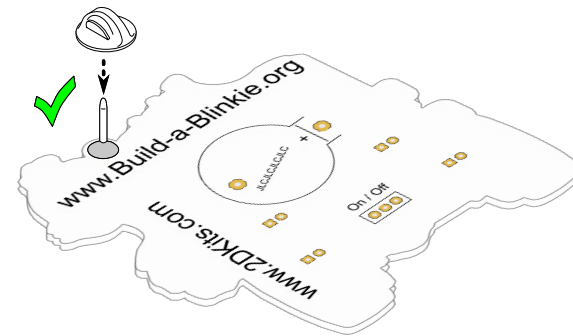
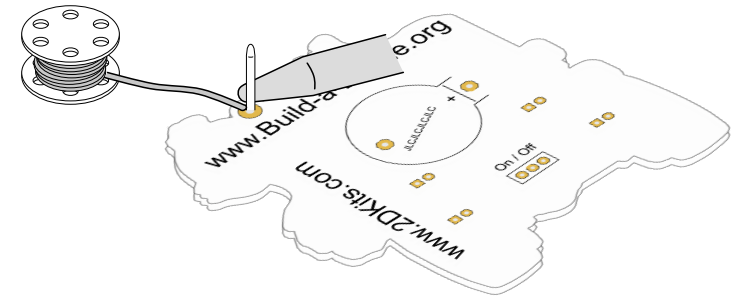
Remove tack from clasp
by squeezing sides.

Insert tack from
front of board.

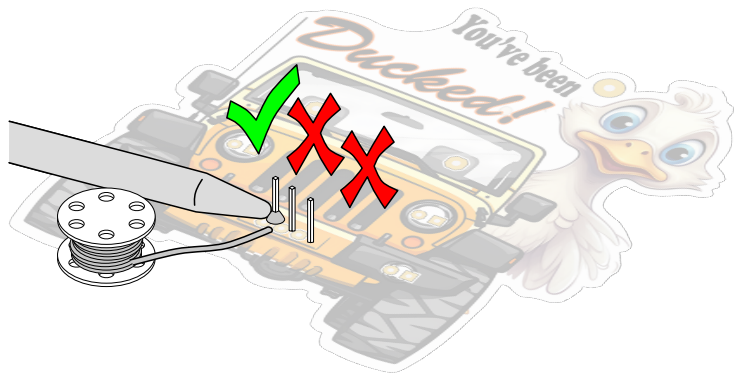
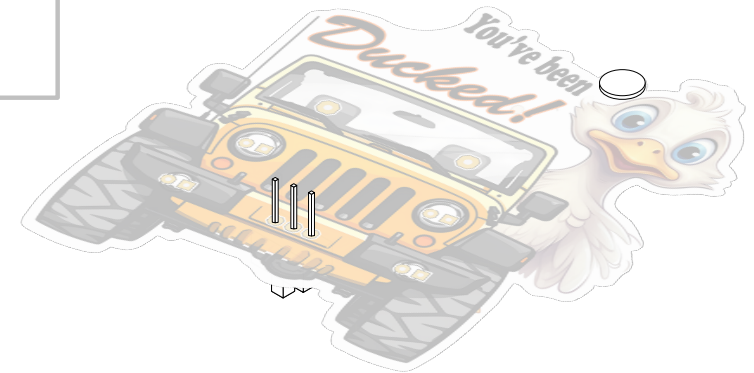
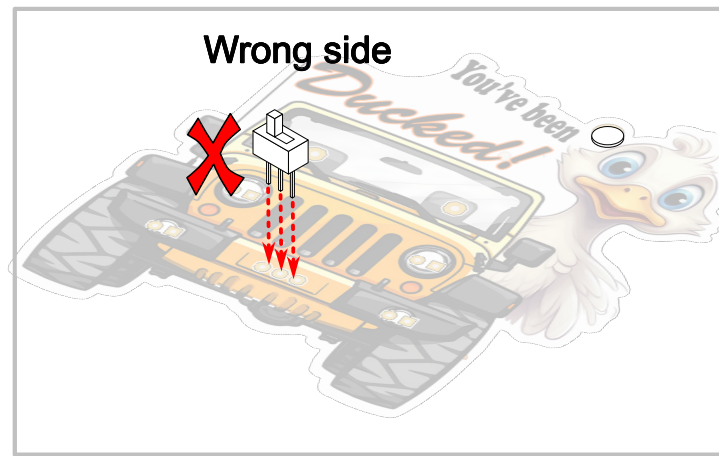
Make sure it
lies flat.



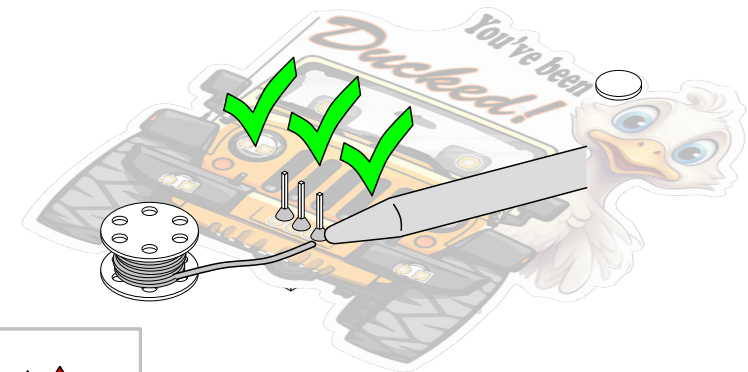
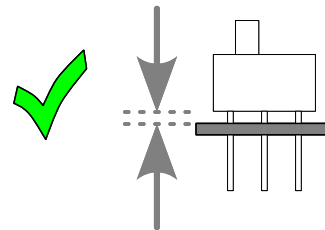
Solder pin to board. The pin is large and may
require more time to heat than other parts.



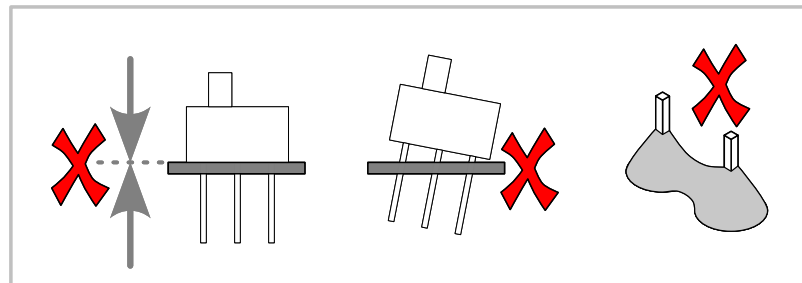
Step 2: Switch



Double check

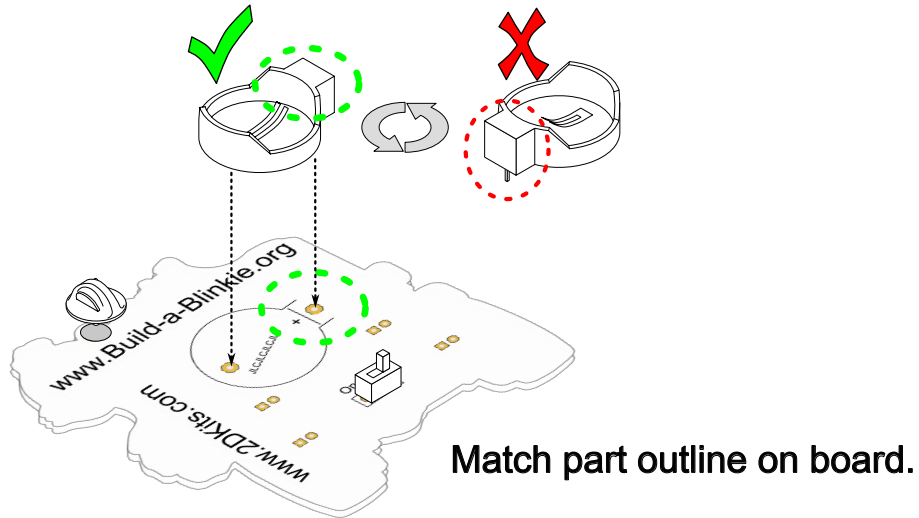


Solder one wire.

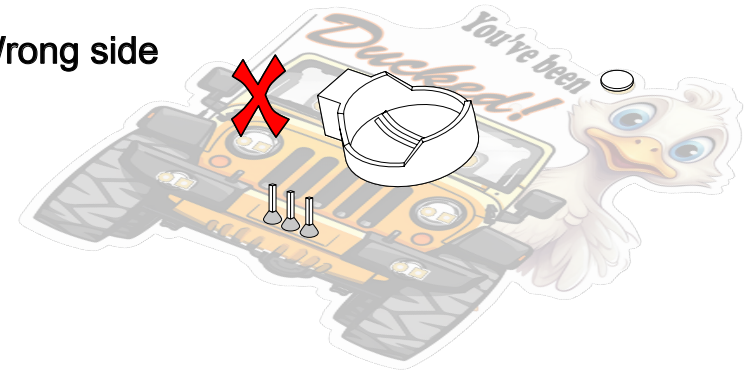


Solder remaining two wires.

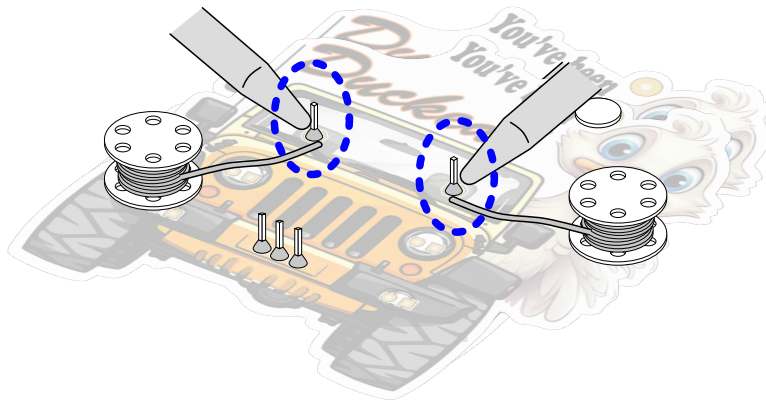
Step 3: Battery Holder



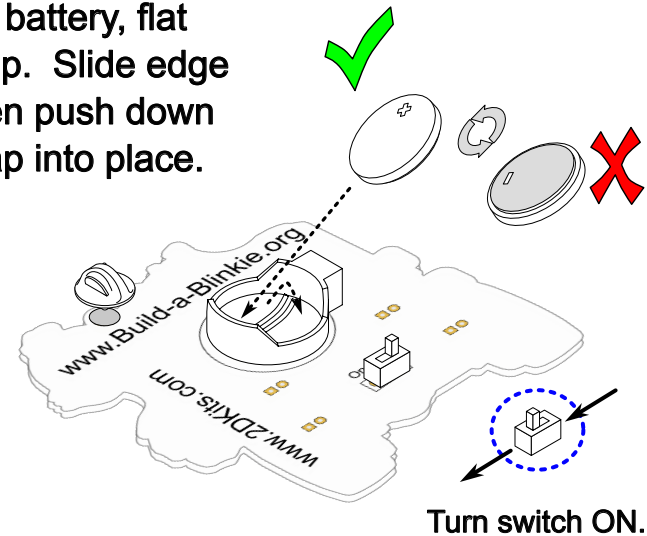
Wrong side



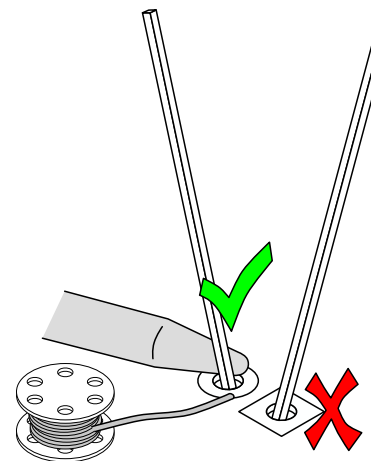
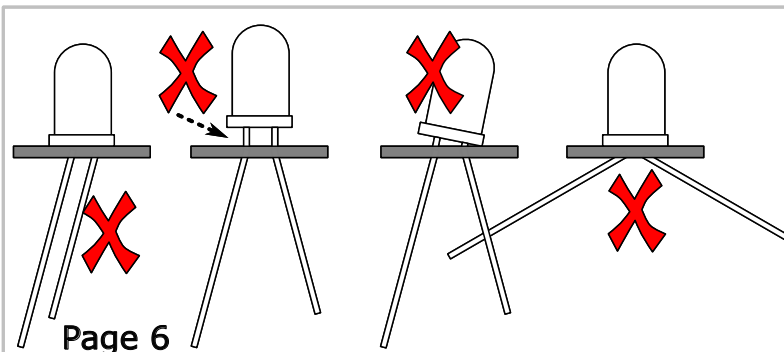
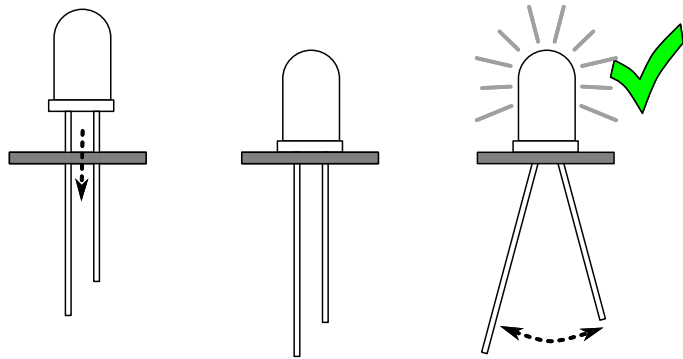
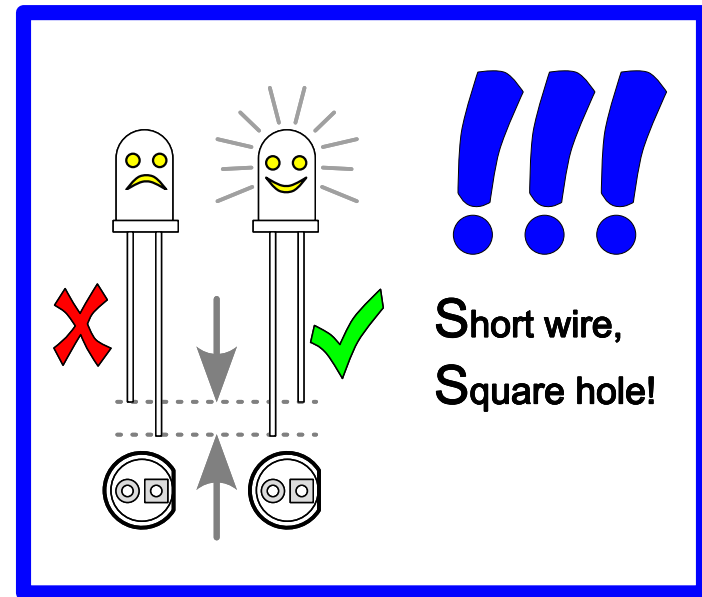
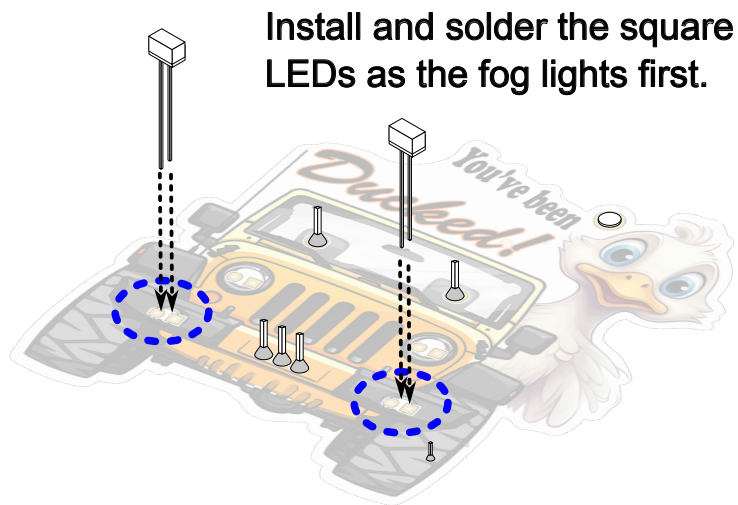
Solder battery holder.



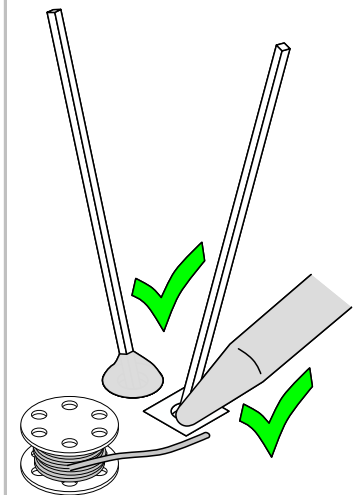
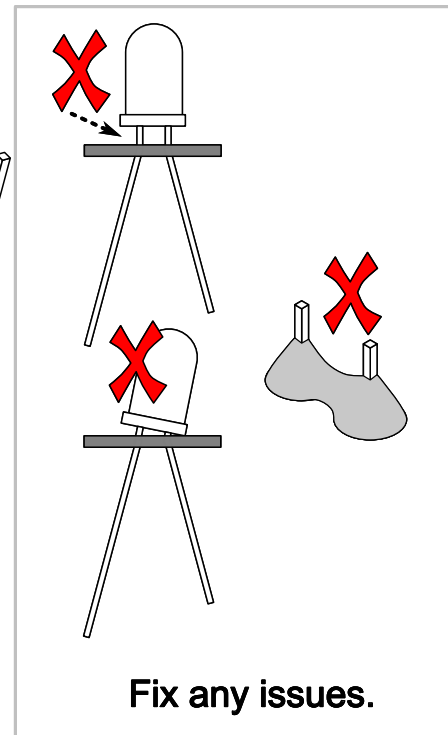
Insert battery, flat side up. Slide edge in, then push down to snap into place.



Step 4: Fog Light LEDs



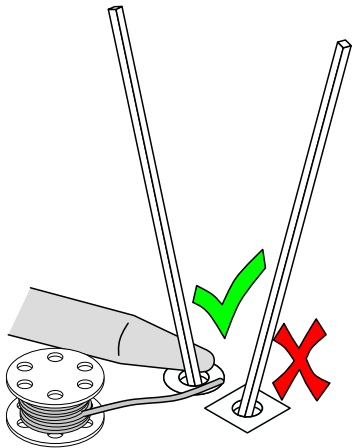
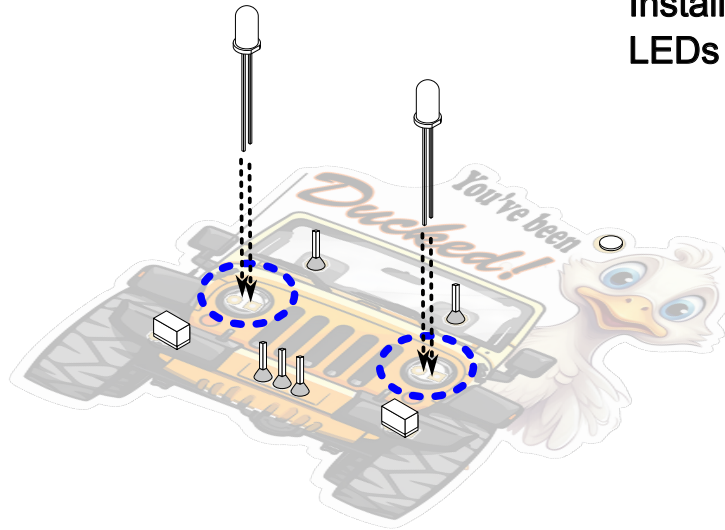
Solder one wire.



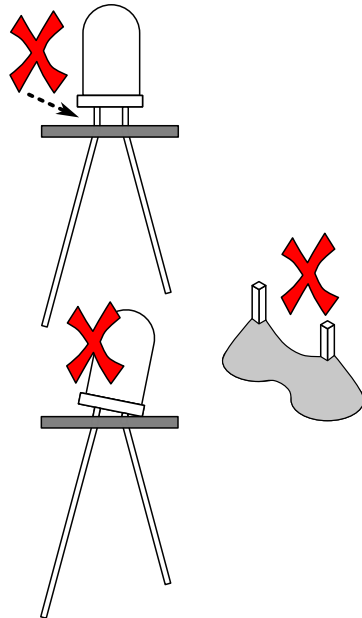
Solder the
other wire.

Step 5: Headlight LEDs

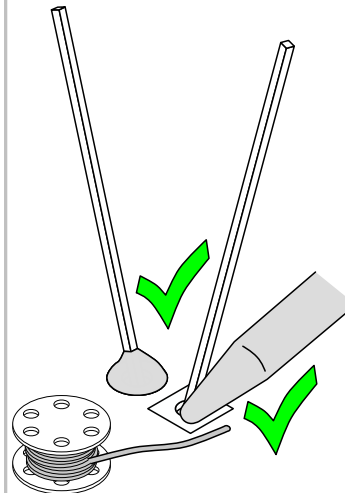
Install and solder the remaining LEDs as the headlights.



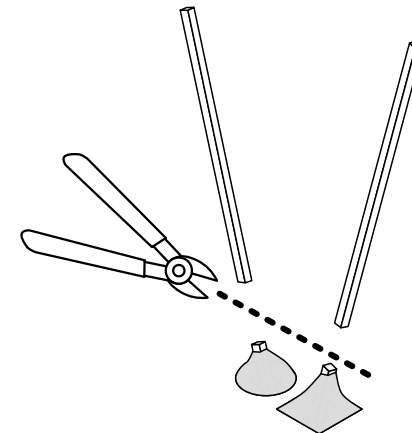
Solder *one* wire.



Fix any issues.



Solder the other wire.



Once LEDs are working, trim wires.

Make sure wires don't fly off and hurt you or anyone around you.

**Return instructions
Leave solder !**