

# COCOMELON BUBBLE MACHINE MODIFICATION INSTRUCTIONS

Toy: [Cocomelon Toy](#)

You will need:

- 3x AA Batteries
- 1x Panel Mount Switch Jack
- 2x 5" 22 AWG wires
- Heat shrink tube or electrical tape
- Drill with 1/4" bit
- Soldering iron with solder
- Small Phillips screwdriver
- Wire cutter & stripper
- Needlenose pliers



## TWO VERY IMPORTANT FIRST STEPS!!!

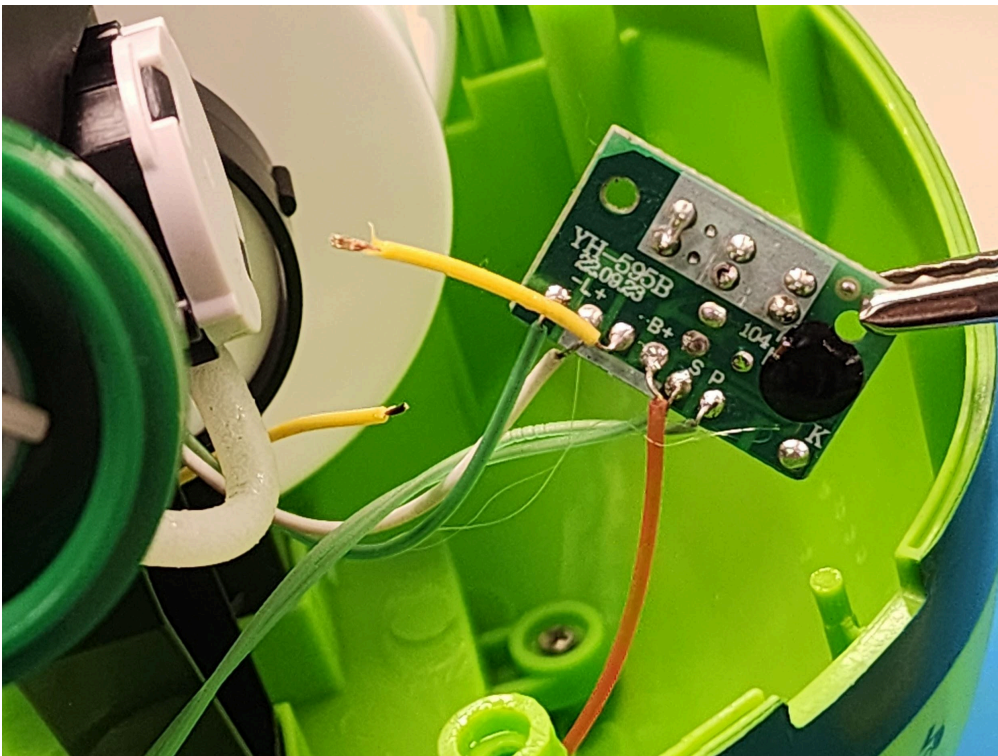
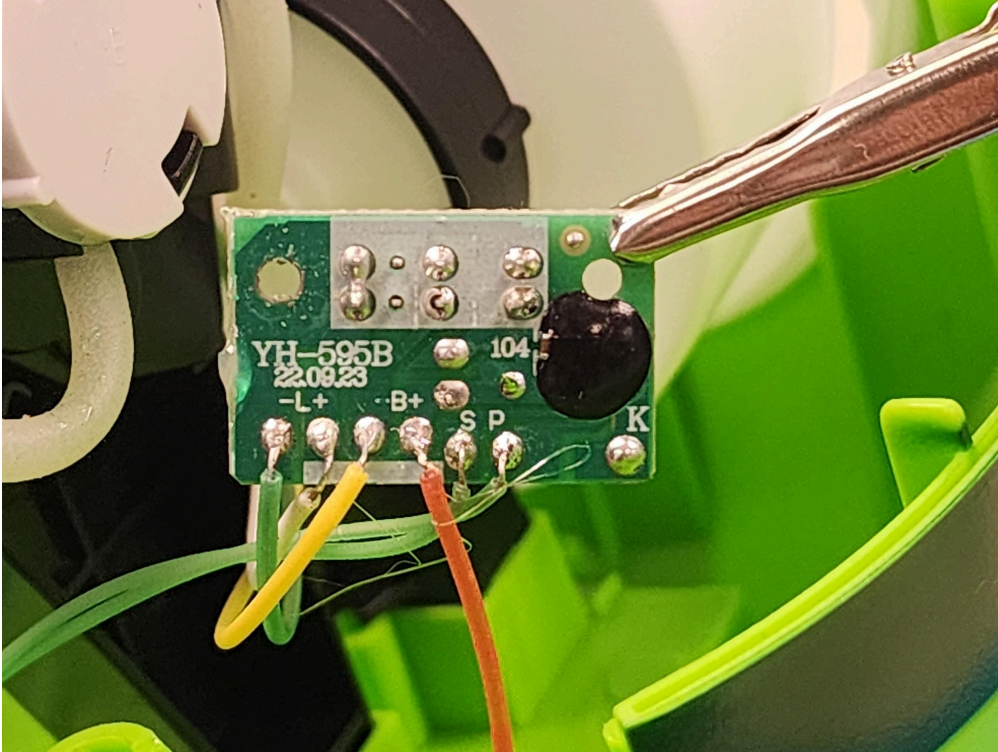
- Open the packaging very carefully, so you can repackage it nicely to deliver to a child as a gift. (No one wants a new toy in a torn up package for the holidays!)
- Test the toy to be sure it works properly BEFORE attempting ANY modification! Unmodified broken toys can be exchanged for working toys. Once you modify the toy, the warranty is voided and can no longer be returned.

Steps:

1. Remove the 4 screws on the back of the toy and carefully remove the front of the toy. Be careful not to lose the screws.

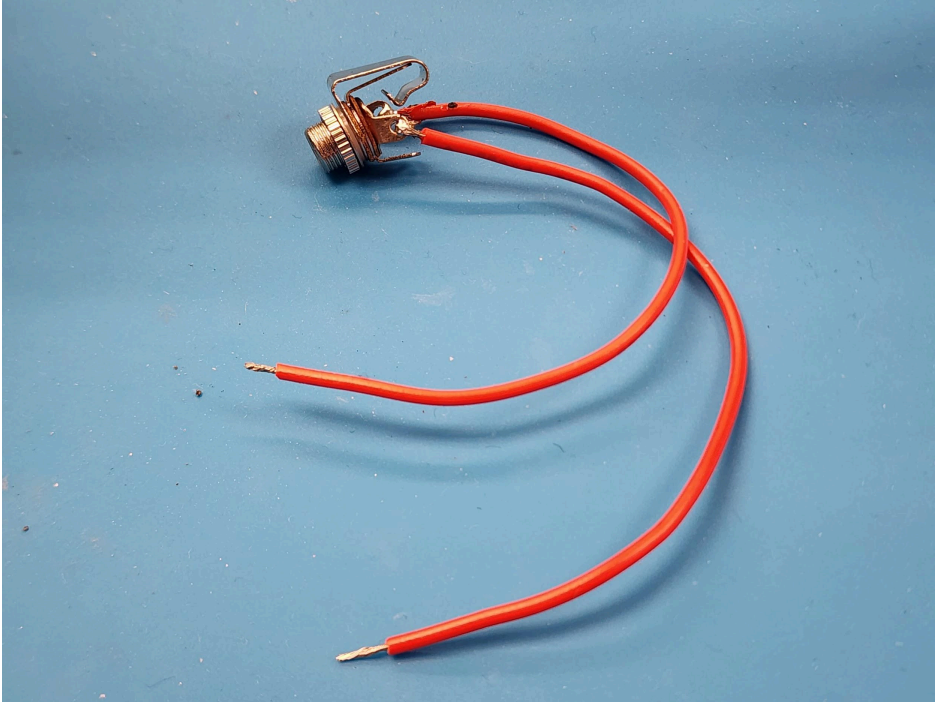


2. Lift out the lady bug switch and set aside. Remove the one screw holding the switch attached a small circuit board in place and flip it over to see where the yellow wire connects to the 3rd connection from the left. This is the wire you will cut to modify the toy. Cut this wire about an inch from the circuit board and strip both new ends of the yellow wire.

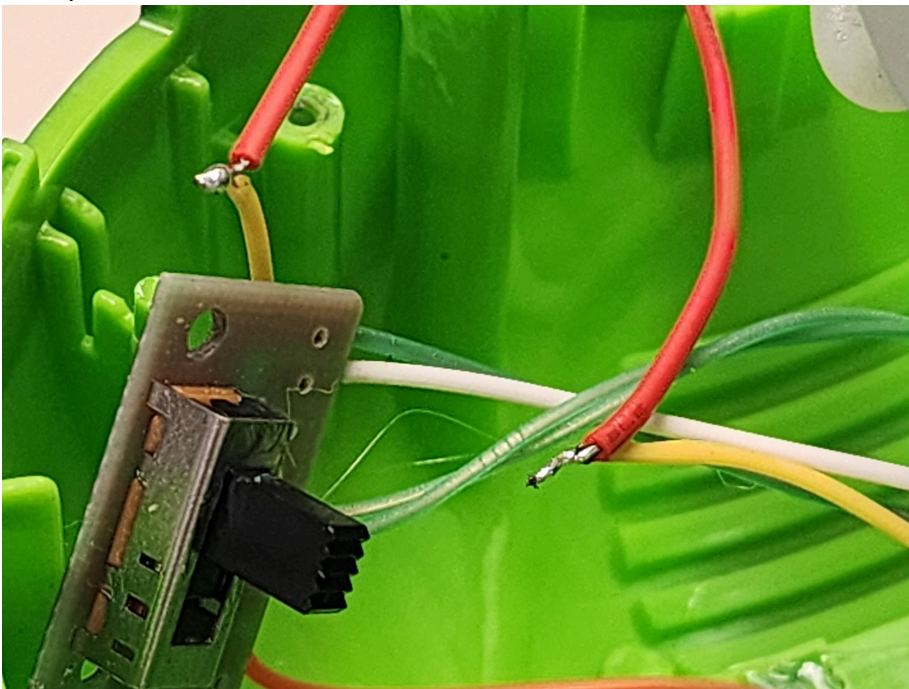




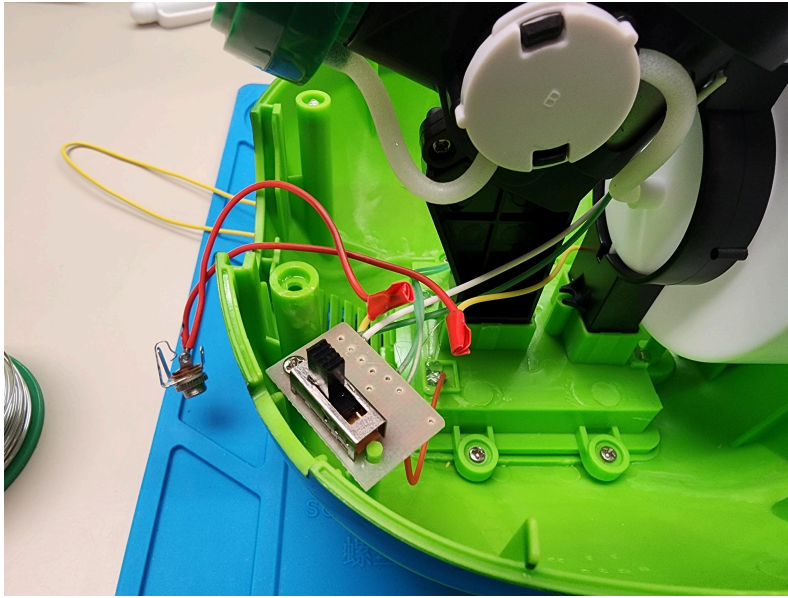
3. Strip  $\frac{1}{4}$ " of both ends of 2 wires. Attach 1 wire to each of the opposite arms of a panel mount jack so you have an assembly like that in the picture below.



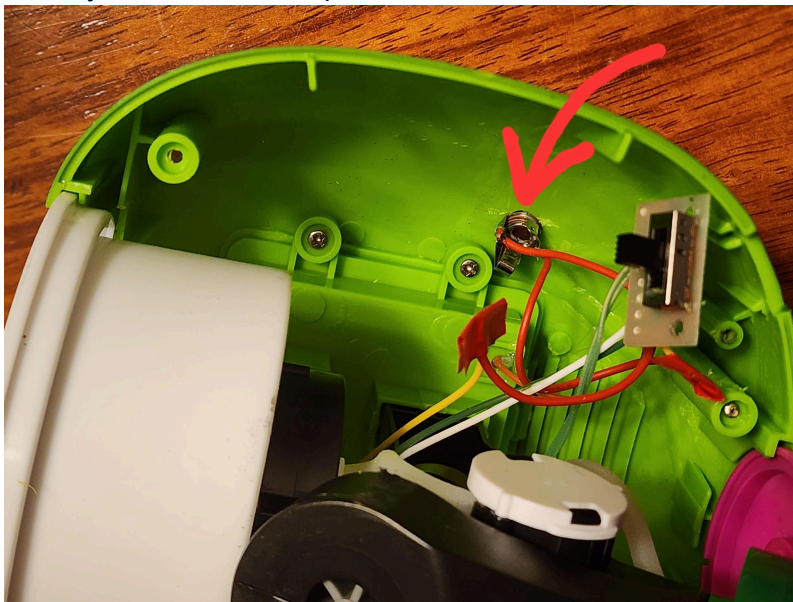
4. Twist together and solder each of the 2 free ends to each of the yellow wires that you cut in step 2.



5. Protect the 2 solder joints with either shrink tube or electrical tape.



6. Drill a  $\frac{1}{4}$ " hole in the back of the toy at the location shown in the picture below. Insert the switch jack and hold it in place with the nut. Use needle nose pliers to ensure it is tight.



7. Reassemble the toy and you're done! Be sure to test the toy with a switch after assembly to be sure it all works properly!



Thank you for using your maker skills to create fun toys for students in our community. Your work is very much appreciated by Tinkered Toy Box and, of course, by the students that will find joy in playing with this toy and build skills that will be useful throughout their life.



Giving the Gift of Play