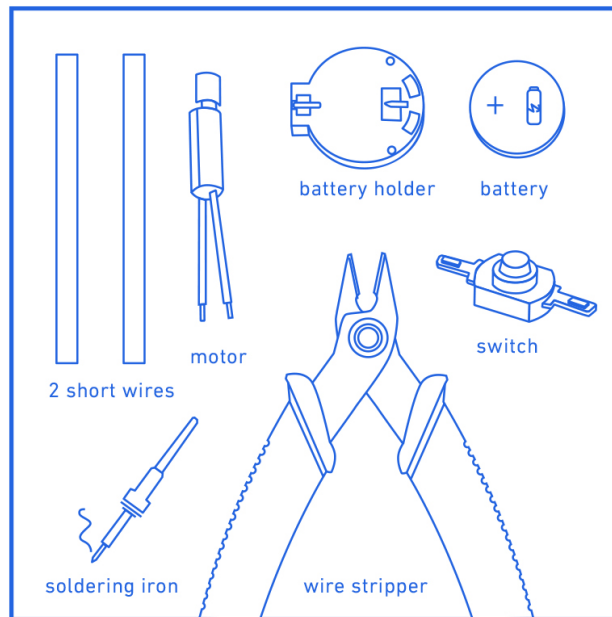


Shitty Robots



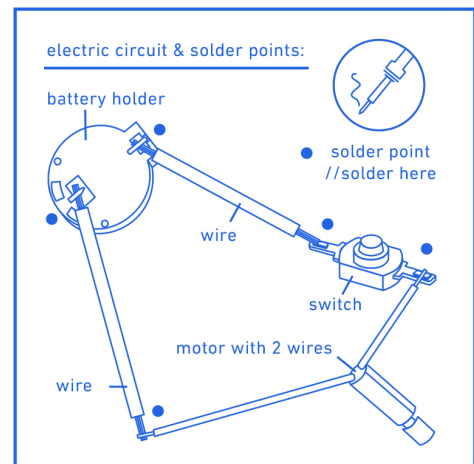
Quantity	Name	Description
1	Vibration motor	3 V 12 mA
1	CR2032 3 V Battery	
1	Battery holder	
1	Switch button	2 pins
2	Wires	5-10cm long

Difficulty: ●○○○○ Build-Time: 20-40 Minutes

Manual v1.0a CC BY-SA 4.0 Binary Kitchen e.V.
Illustrations CC BY-SA 4.0 Nadine Trautzsch
Idea Nadine Trautzsch

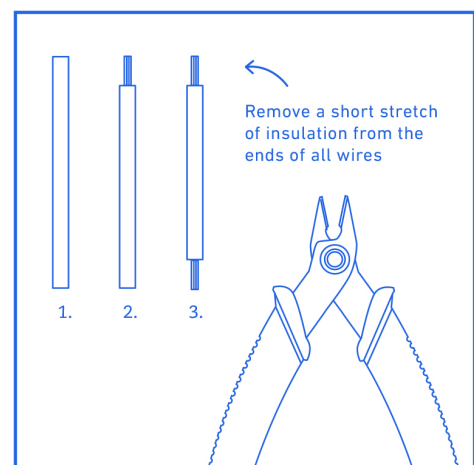
Step 1

- a) This is the complete circuit.



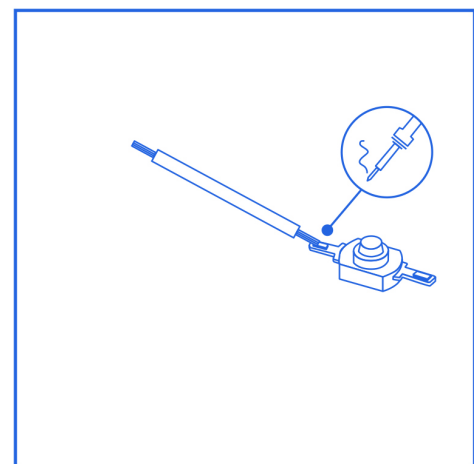
Step 2

- a) Remove a short stretch of insulation from the end of all wires.



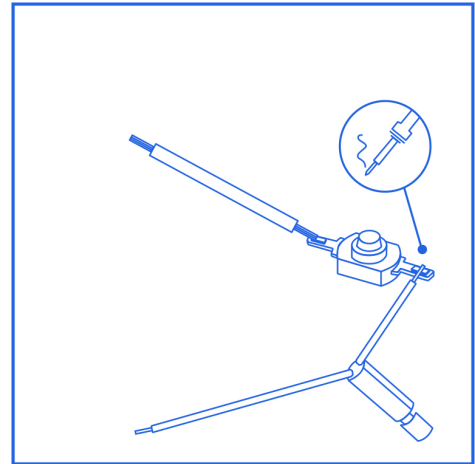
Step 3

- a) Tin-coat the contacts of the switch.
b) Solder a wire to one of these contacts.



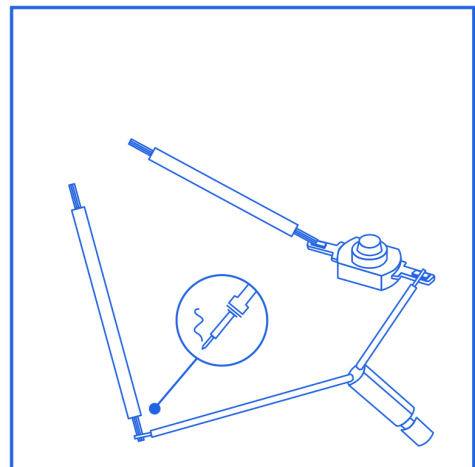
Step 4

- a) Solder one of the motor's wires to the other side of the switch.



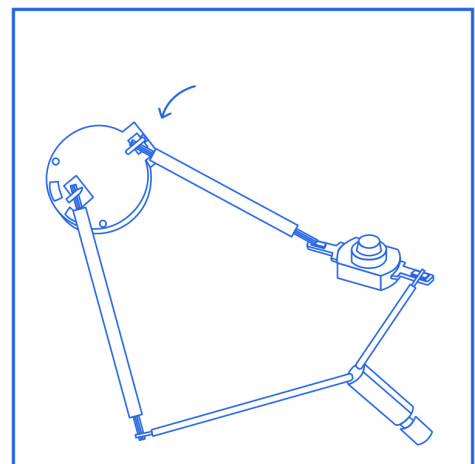
Step 5

- a) Extend the other motor wire with the second spare wire.



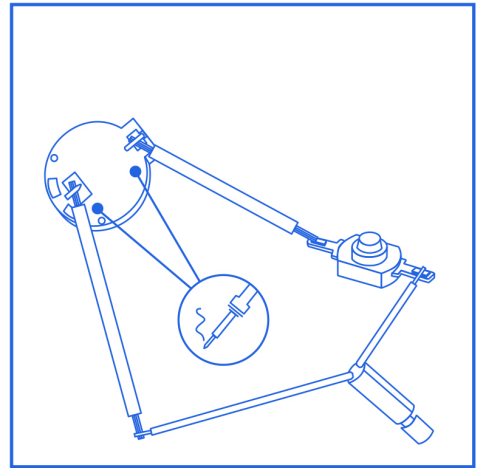
Step 6

- a) Bend the pins of the battery holder inwards
- b) Clamp the wires under the contacts.



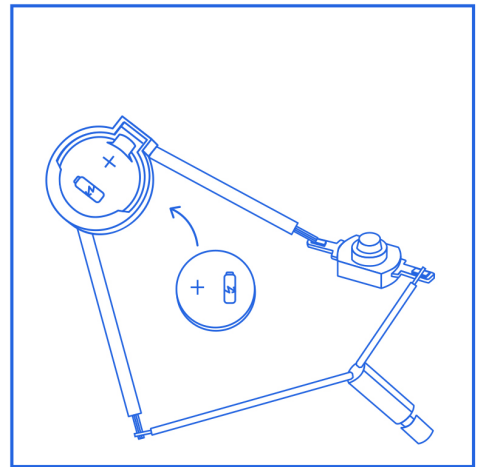
Step 7

- a) Solder the pins to the wires, so a circuit is created.



Step 8

- a) Turn over the battery holder and insert the battery with + upwards
- b) Test it!



Step 9

- a) Now we come to the creative part!
- b) Combine the circuit with light decorative materials.
- c) Use hot glue to attach things.
- d) When using glue, pay attention to keep it off the rotor with the weight. Also, loose things that could get entangled, shouldn't be too close to the motor.
- e) Install the battery holder easily accessible so you can change the battery.
- f) Be careful that metallic things don't cause a short-circuit. If necessary, use some hot glue as insulation.

