# Required Components

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| *A picture containing indoor  Description automatically generated*  **1**  **3**  **2** | **BILL OF MATERIALS**  **1**  Boppin’ Beaver Linkimal  **2**  Mono jack  **3**  Wire |

# Required Tools

* Drill with ¼” drill bit
* Wire Strippers
* Flush Cutters
* Phillips screwdriver
* Soldering Iron
* Solder
* Ruler

# Required Personal Protective Equipment (PPE)

* Safety Glasses

# Assembly Instructions

## Step 1

A pair of yellow scissors

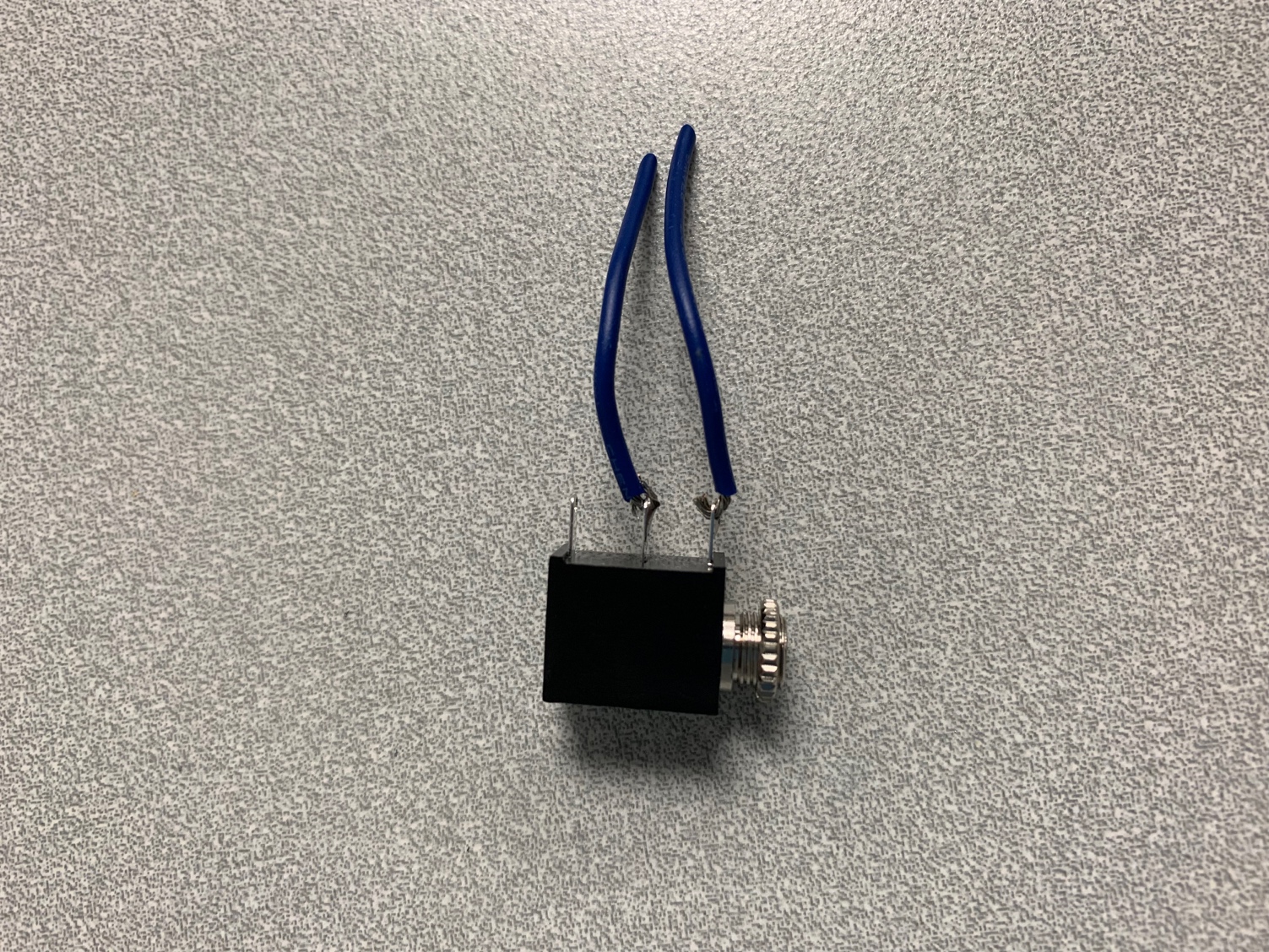
Description automatically generated with medium confidenceA hand holding a piece of paper

Description automatically generated with low confidenceCut 2 lengths of wire about 11cm long. Strip 0.5cm of the insulation off each end of the wire.

**x 2**

## Step 2

Solder a wire to the first leg of a mono jack, solder a second wire to the second leg of the mono jack.



## Step 3

Carefully take the Boppin’ Beaver out of the packaging without damaging it. The toy will be put back in the packaging once adapted.

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## Step 4

Remove the 4 screws from the body of the beaver including the one hidden in this picture by the beaver’s tail.

A picture containing indoor

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## Step 5

A picture containing yellow, indoor, orange

Description automatically generatedDisconnect the white speaker wire that is holding the 2 halves of the beaver together. Set the half of the beaver with the head attached aside.

A picture containing cup, yellow, automaton

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## Step 6

Drill a ¼” hole in the side of the beaver.

A picture containing indoor, yellow, orange

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## Step 7

Remove the 2 screws holding down the circuit board. Remove the turquoise switch and set it aside.

A close-up of a circuit board

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## Step 8

Solder the other ends of the wires attached the mono jacks to the locations shown below.

A close-up of a stethoscope on a stethoscope

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## Step 9

A picture containing yellow, indoor, orange

Description automatically generatedRemove the nut from the mono jack and push the mono jack through the hole from the inside. Reinstall the nut and tighten to secure the mono jack.

## Step 10

Reinstall the turquoise switch and screw in the 2 screws into the circuit board.

A close-up of a circuit board

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## Step 11

A picture containing cup, yellow, automaton

Description automatically generatedReattach the speaker wire and screw in the 4 screws into the back of the beaver.

## Step 12

Put the Boppin’ Beaver back into the original packaging.

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