# Required Components

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|  | 1. A small black box with a silver ring     AI-generated content may be incorrect. | **BOM**   1. WeOfferWhatYouWant First Guitar Toy 2. Mono Jack (x4) 3. 22 AWG Wire 4. 10 nF Capacitors (x2) |
|  | 1. A close-up of a tan capacitor     AI-generated content may be incorrect. |

# Required Tools

* Small Phillips screwdriver
* Drill and 1/4” drill bit
* Wire strippers
* Soldering iron and solder
* File (optional)

# Required Personal Protective Equipment (PPE)

* Safety glasses

# Assembly Instructions

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| 1. Turn over the toy and remove all 9 screws. |  |
| 1. Remove the silicone button. You should be able to pull the two silicone legs out of the small holes. |  |
| 1. Cut 4 lengths of wire about 10cm long |  |
| 1. Strip approximately 0.5cm off of the small wires. | Wire strippers with a yellow wire in them. An arrow is showing that 0.5 cm is being stripped off of both ends.  **0.5 cm** |
| 1. Solder a wire to the first leg of a mono jack, solder a second wire to the second leg of the mono jack. Repeat with the second mono jack and other wires |  |
| 1. Prior to soldering to the device, tin your wire. The best way to do this is cover the exposed wire end in solder. |  |
| 1. Solder the two wires of the jack onto the circuit board as shown. Any wire of the two wires will work.   Repeat on all four sets of points.  Note: It is easy to melt the board; use caution. | A green circuit board with screws and bolts  Description automatically generated |
| 1. Solder the capacitors onto the two jacks in the centre of the guitar. |  |
| 1. Drill 1 hole on the top of the casing as directed in the photos. |  |
| 1. Drill 3 remaining holes in the bottom casing. Ensure you are spacing out space for the jacks. |  |
| 1. Plug in an assistive switch and test all 4 jacks.  If the toy doesn’t turn on when the switch is activated, check the soldered connections. |  |
| 1. If the toy is working properly, insert the mono jacks through the drilled holes and screw the rings on the outside of the toy. |  |
| 1. Place the toy back together and re-insert the screws that were removed earlier, being careful not to pinch any wires.   Re-test the toy to ensure it is still functioning properly. |  |