Switch Adapted First Guitar Toy
ASSEMBLY GUIDE

Makers Making Change
A Neil Squire Program

Required Components

1.	2.	**BOM** 1. WeOfferWhatYouWant First Guitar Toy 2. Mono Jack (x4) 3. 22 AWG Wire 4. 10 nF Capacitors (x2)
3.	4.	

Required Tools

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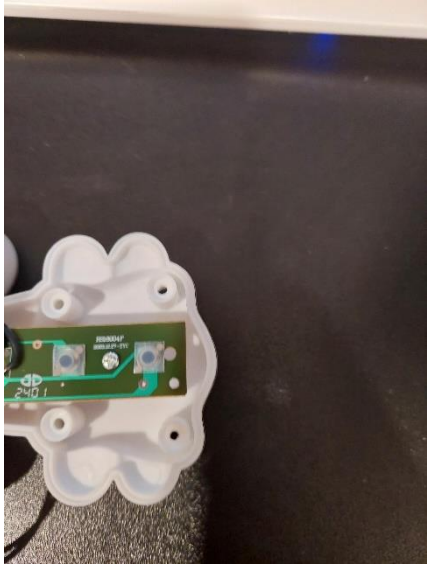- Soldering iron and solder
- File (optional)

Required Personal Protective Equipment (PPE)

- Safety glasses

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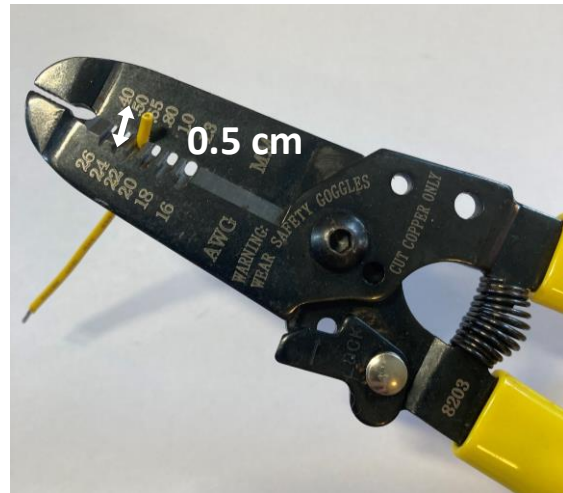## ASSEMBLY GUIDE

Assembly Instructions

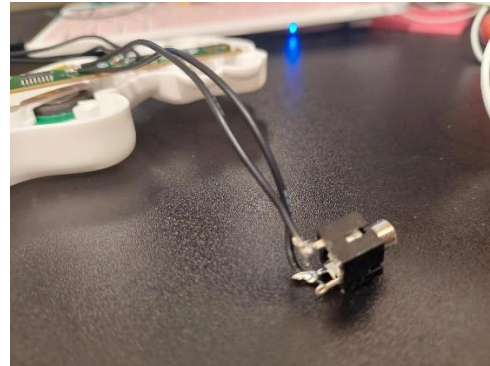|	
1. Turn over the toy and remove all 9 screws.	
2. Remove the silicone button. You should be able to pull the two silicone legs out of the small holes.	
3. Cut 4 lengths of wire about 10cm long	

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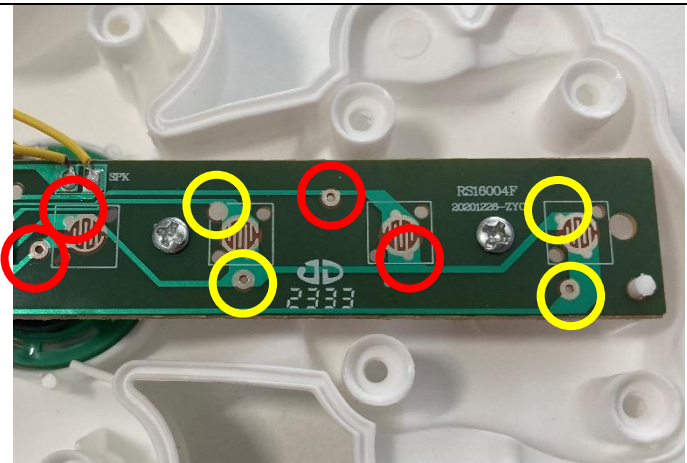|	
4. Strip approximately 0.5cm off of the small wires.	
5. Solder a wire to the first leg of a mono jack, solder a second wire to the second leg of the mono jack. Repeat with the second mono jack and other wires	
6. Prior to soldering to the device, tin your wire. The best way to do this is cover the exposed wire end in solder.	

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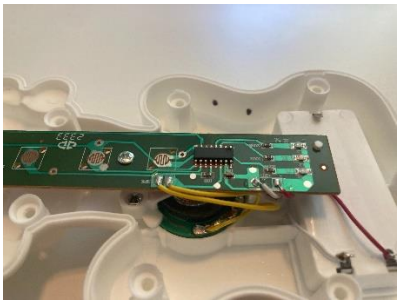|	
7. Solder the two wires of the jack onto the circuit board as shown. Any wire of the two wires will work. Repeat on all four sets of points. Note: It is easy to melt the board; use caution.	
8. Solder the capacitors onto the two jacks in the centre of the guitar.	
9. Drill 1 hole on the top of the casing as directed in the photos.	
10. Drill 3 remaining holes in the bottom casing. Ensure you are spacing out space for the jacks.	

Page **4** of **5**

11. 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.	
12. If the toy is working properly, insert the mono jacks through the drilled holes and screw the rings on the outside of the toy.	
13. 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.	