# Required Components

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|  | 1. A small black box with a silver ring     AI-generated content may be incorrect. | **BOM**   1. Gazillion Hurricane Bubble Machine 2. 3.5 mm Mono Jack and Ring 3. 22 AWG Wire 4. 6 AA Batteries |
| 1. A close-up of a cable     AI-generated content may be incorrect. | 1. One duracell batteryOne duracell batteryOne duracell batteryOne duracell batteryOne duracell batteryOne duracell battery |

# Required Tools

* Triangle screwdriver
* Ruler
* Wire strippers
* Soldering iron and solder
* Drill and 1/4” drill bit

# Required Personal Protective Equipment (PPE)

* Safety glasses

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| **Step 1: Partially Unbox the Gazillion**  Open the top of the box, but keep the toy on the cardboard base. This will make it easier to reassemble after modification |  |
| **Step 2: Cut the Battery Cover Nylon Strap**  Using the flush cutters cut the nylon strap, and discard it.  Set the Battery cover aside. |  |
| **Step 3: Open the Battery Case**  Make sure to keep the screws together. |  |
| **Step 4: Remove The Battery Tray**  Using the 2 mm Triangle Screwdriver (or 2.4 Flathead screwdriver) unscrew the 4 screws holding the battery tray in place.  ***Be careful not to break the wires***  ***attached to the back of the battery tray.*** |  |
| **Step 5: Remove the Switch**  Lift the switch out of the toy, and using the flush cutters, cut the wires |  |
| **Step 6: Strip the Wires**  Using the wire strippers, strip the insulation from the switch leads so about 1 cm of the metal wire is exposed. |  |
| **Step 7: Solder the Wires to the Switch Jack**  Solder the wires to the 2 legs closest to the threaded end. |  |
| **Step 8: Test the Toy**  Insert batteries into the Battery Tray and insert a switch into the Mono Jack  Press the Switch: You should hear the motor turn on  Remove the batteries and the switch |  |
| **Step 9: Insert Jack into Switch Hole**  Insert the mono jack into the hole where the switch was originally located. Use flush cutters to clear any plastic that might block the jack. |  |
| **Step 10: Install the Jack Nut**  Using the edge of a flathead screwdriver turn the nut until tight. Use the slots cut into the Jack Nut to tighten. |  |
| **Step 11: Install the Battery Tray**  Using the 2 mm Triangle Screwdriver (or 2.4 Flathead screwdriver), install the battery tray screws |  |
| **Step 12: Install the Batteries and Battery Cover** |  |
| **Step 13: Replace & Tape the Top Cover**  Place a strip of electrical across the Top Cover to keep in place during shipping.  This also helps us know that the toy is ready for delivery. |  |
| **Step 14: Replace it in the Box**  Carefully re-box the toy into its original packaging, and secure the top flap with Clear Tape. |  |