# Required Components

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|  | 1. A small black box with a silver ring     AI-generated content may be incorrect. | **BOM**   1. Fubbles Light-Up Mini Bubble Machine 2. 3.5mm Mono Jack and Ring 3. 22 AWG Wire 4. 3 AA Batteries |
|  | 1. One duracell batteryOne duracell batteryOne duracell battery |

# Required Tools

* Phillip screwdriver
* Ruler
* Wire strippers
* Soldering iron and solder
* Drill and ¼” drill bit

# Required Personal Protective Equipment (PPE)

* Safety glasses

# Assembly Instructions

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| 1. Carefully remove the toy from its packaging without damaging it. Locate and remove the 4 screws from the bottom of the toy. Separate the toy into two halves. | Switch Adapted Mini Bubble Machine  Pink/Teal  Assistive image 2 |
| 1. Remove the motor from the base. |  |
| 1. Cut both the red wires using wire cutters. |  |
| 1. Cut 2 pieces of wire, each approximately 4 cm long. | A person drawing a line with a ruler  AI-generated content may be incorrect. |
| 1. Strip approximately 0.5cm off the end of each wire. | A wire cutter with white text  AI-generated content may be incorrect. |
| 1. Solder the two wires onto the front two tabs on the mono jack. |  |
| 1. Tin the other two ends of the wires by adding a small amount of solder to each wire. | A black wire on a wood surface  AI-generated content may be incorrect. |
| 1. To ‘close the loop,’ solder a wire to an existing red wire and solder the second wire to the second red wire. |  |
| 1. Using a ¼” drill bit, drill a hole into the side of the toy. Remove any loose plastic.   Secure the mono jack to the case by screwing on the mono jack ring from the outside. |  |
| 1. Test the toy by installing batteries and plugging an assistive switch into the mono jack.   Note: If the toy does not turn on, please check the soldered connections. |  |
| 1. Reassemble the toy by placing the motor back and reattaching the toy shell.   Re-test the toy with the assistive switch. If it still works properly, re-install the toy into its original packaging. | Switch Adapted Mini Bubble Machine  Pink/Teal  Assistive image 2 |