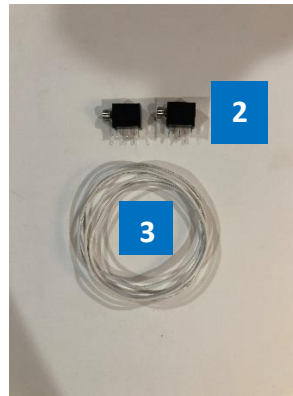


# Switch Adapted Penguin Toy MAKER GUIDE

## Required Components



## BILL OF MATERIALS

- 1** 1x Cool Beats Penguin
- 2** 2x Mono jack
- 3** 4x 10 cm pieces of 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

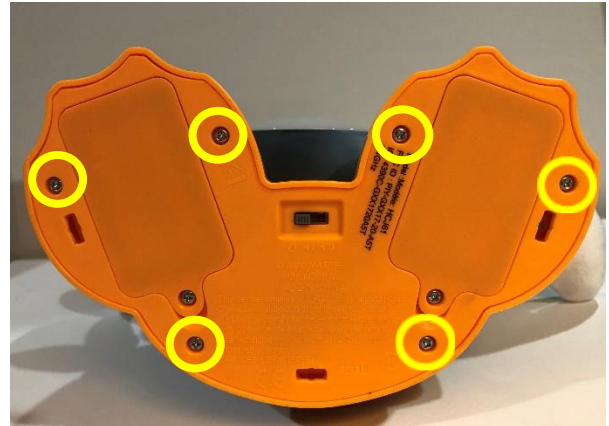
# Switch Adapted Penguin Toy

## MAKER GUIDE

### Assembly Instructions



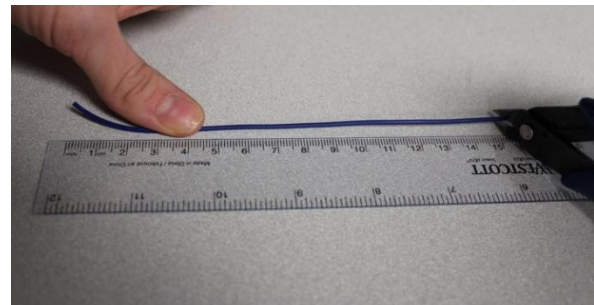
- 01.** Carefully take the penguin out of the package. The toy will be put back in the packaging once adapted.



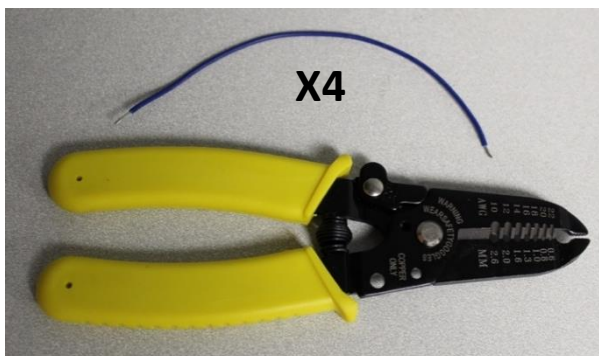
- 02.** Remove and set aside the 6 screws from the base of the penguin.



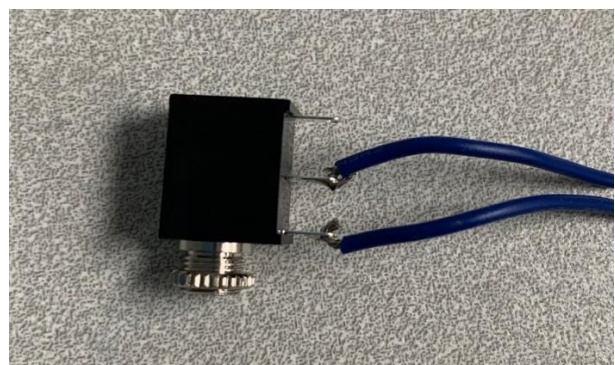
- 03.** Set aside the red and green buttons.



- 04.** Cut 4 lengths of wire about 10cm long.



- 05.** Strip 1 cm of the insulation off each end of the wires.



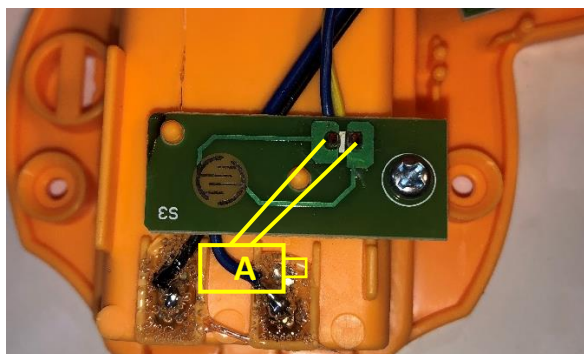
- 06.** Solder a wire to the first leg of a mono jack, solder a second wire to the second leg of the mono jack. Repeat with the second mono jack and other wires.

# Switch Adapted Penguin Toy

## MAKER GUIDE



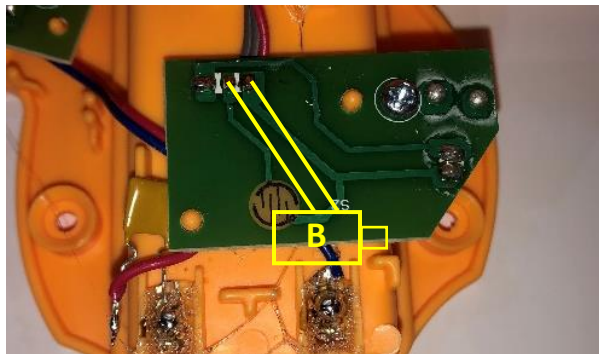
**07.** Open the base of the penguin. Locate the left circuit board.



**08.** Solder the other ends of the wires from one mono jack to the locations shown.



**09.** Locate the right circuit board.



**10.** Solder the other ends of the wires from the second mono jack to the locations shown.



**11.** With a 1/4" drill bit, drill a hole in the back end of the penguin's foot. Make sure there is enough room for a mono jack to fit inside.



**12.** Drill another hole on the other side. Next, remove the nut from mono jacks and push the mono jacks through the holes. Reinstall the nuts and tighten to secure.



# Switch Adapted Penguin Toy MAKER GUIDE



**13.** Reinsert the green and red buttons.



**14.** Reinsert the 6 screws into the bottom of the penguin.



**15.** Once the toy is tested with a switch, it can be repackaged.