

Service Learning Project

SLICE

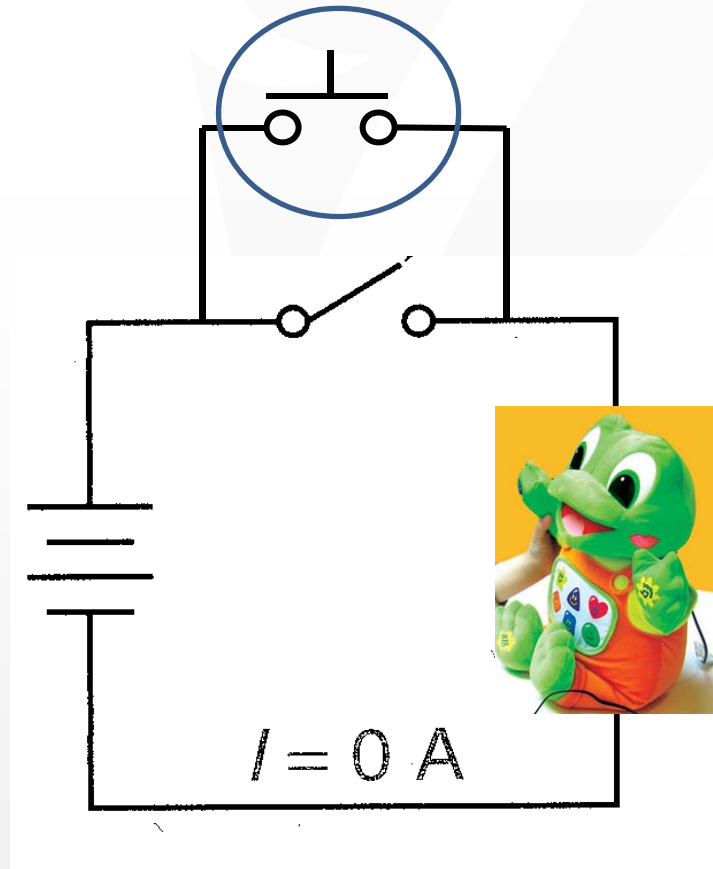
Prototype Fabrication Experience II

The purpose of this project?



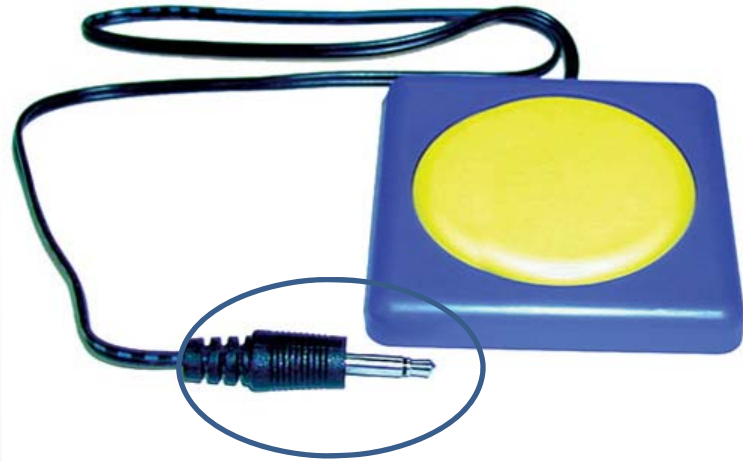
**Push button
Switch**

Electronic Circuit

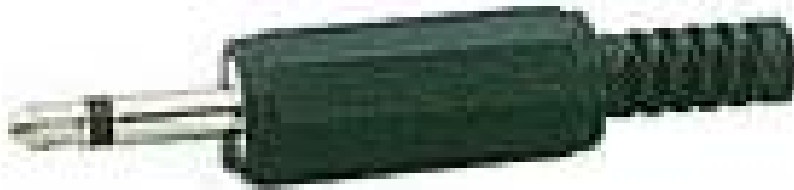


parallel circuits

Push Button Switch

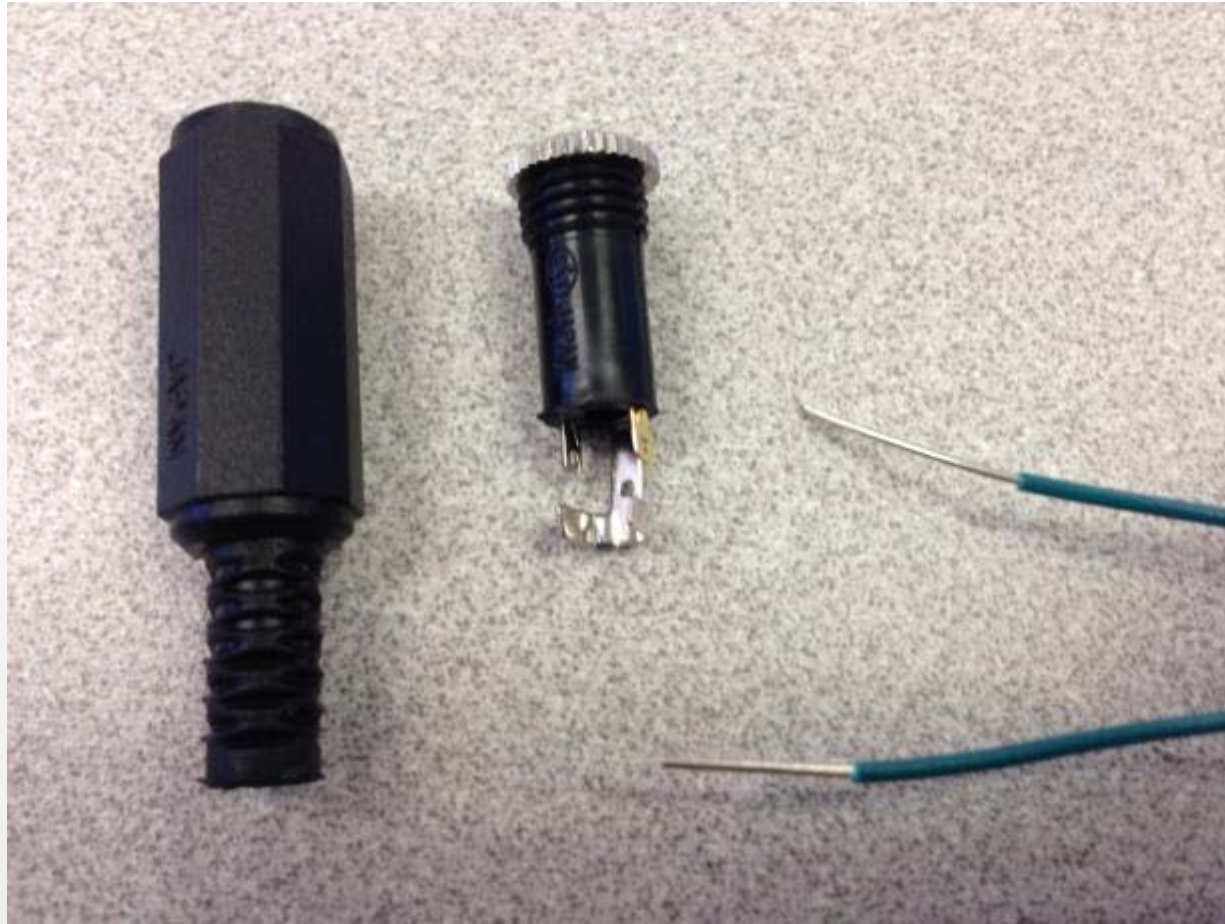


Phone Plug

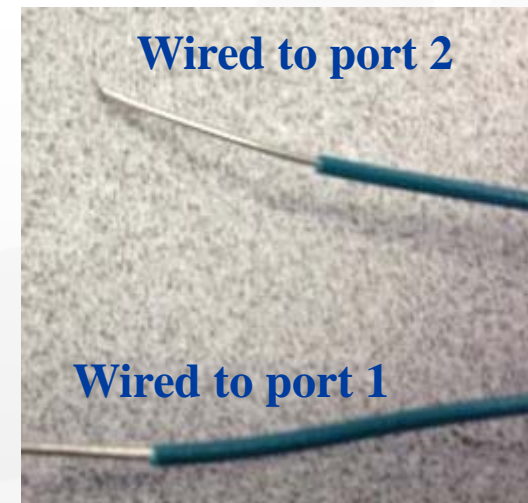


NO PB
switch

Phone Jack Cable Fabrication: Parts



Phone Jack Cable Fabrication: Step 1



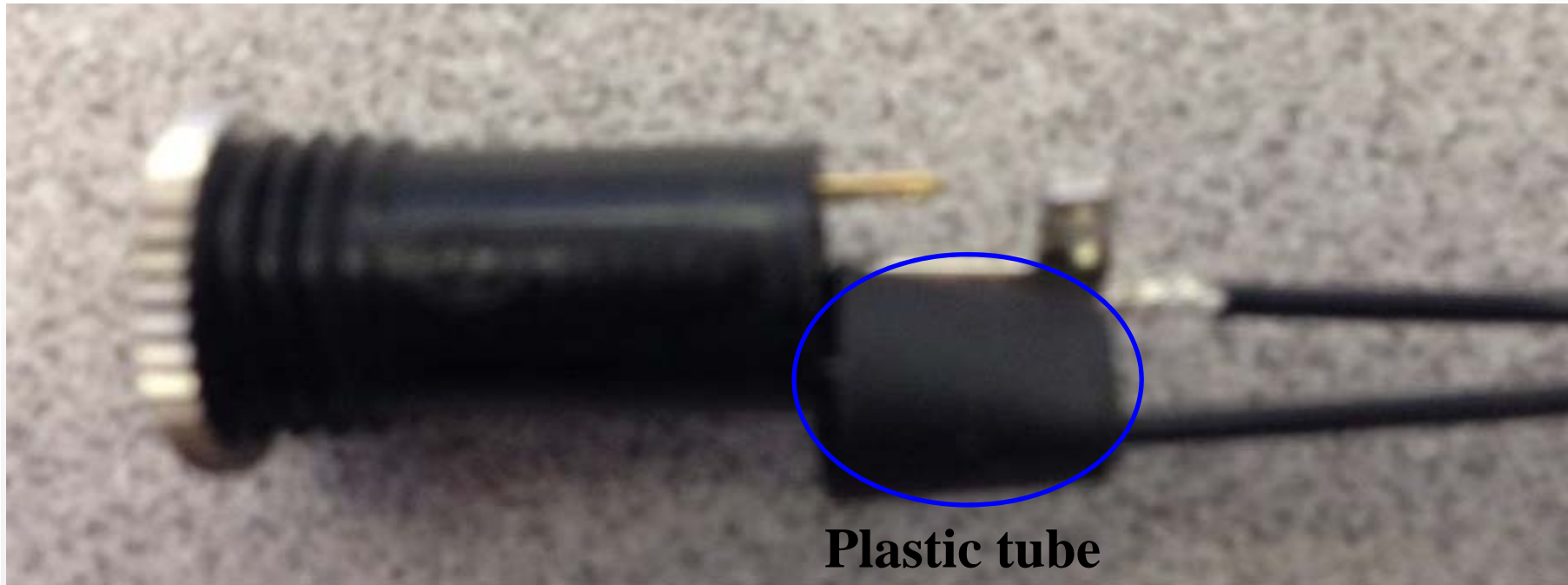
Phone Jack Cable Fabrication: Step 2

After Soldering



Phone Jack Cable Fabrication: Step 3

Using a small segment of plastic tube to prevent short circuit.



Phone Jack Cable Fabrication: Step 4

Applied the cable cap



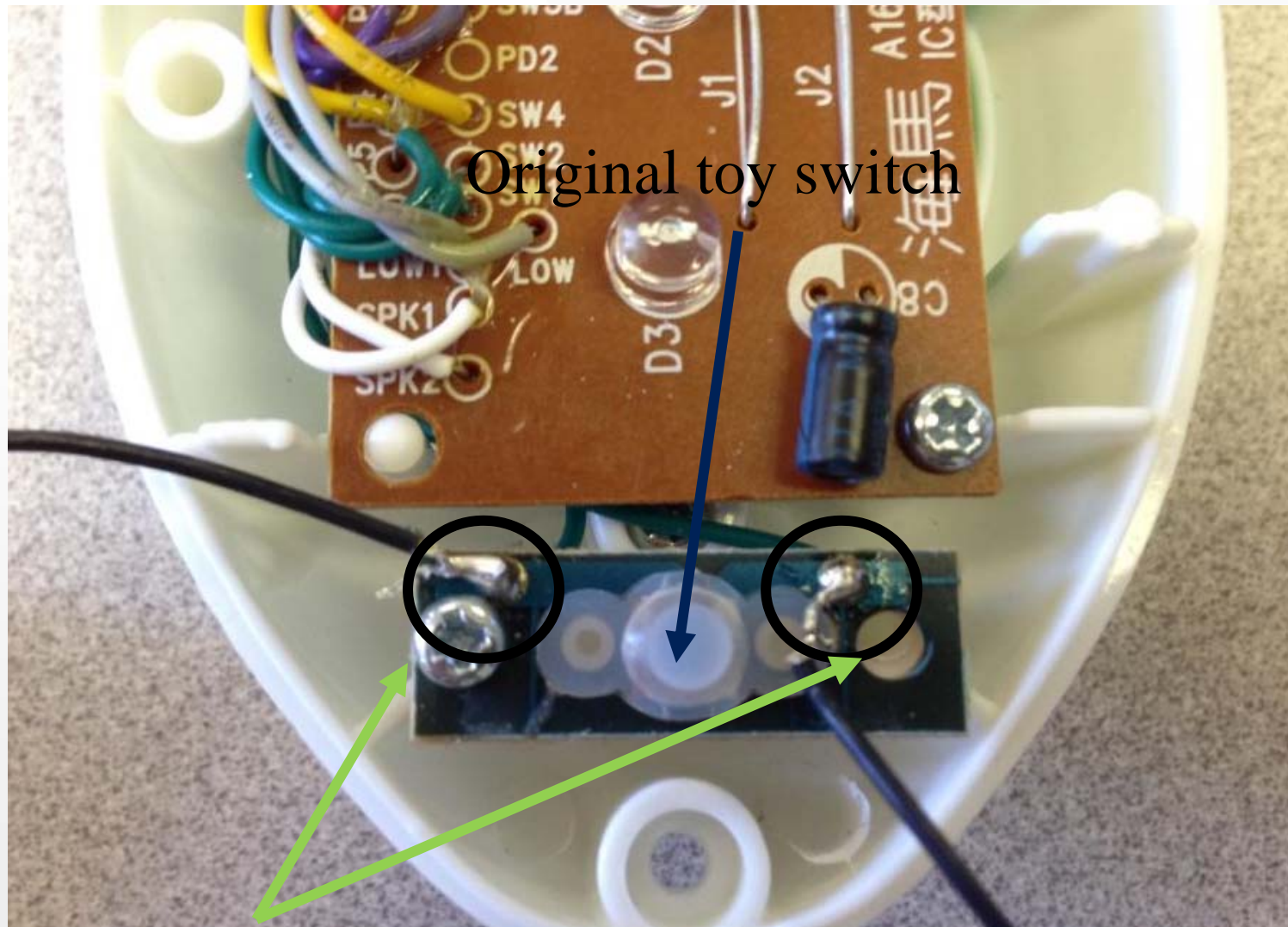
Sea Horse Toy Modification



Unscrew three bolts you will reach
the toy circuit



Sea Horse Toy Modification



Original toy switch

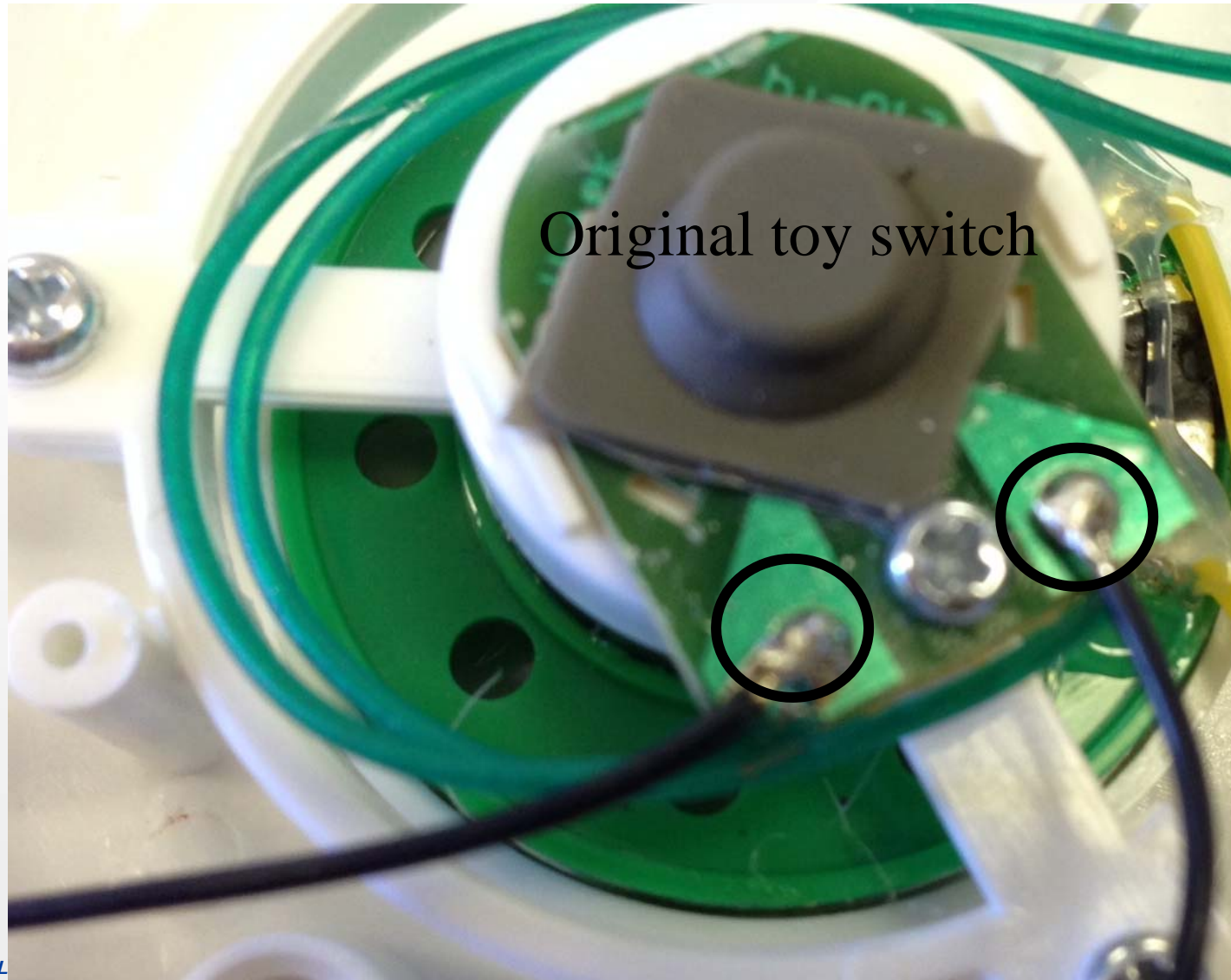
Solder the Phone Jack Cable (The other end) on the toy circuit

Music Box Toy Modification

Unscrew four bolts you will reach
the toy circuit



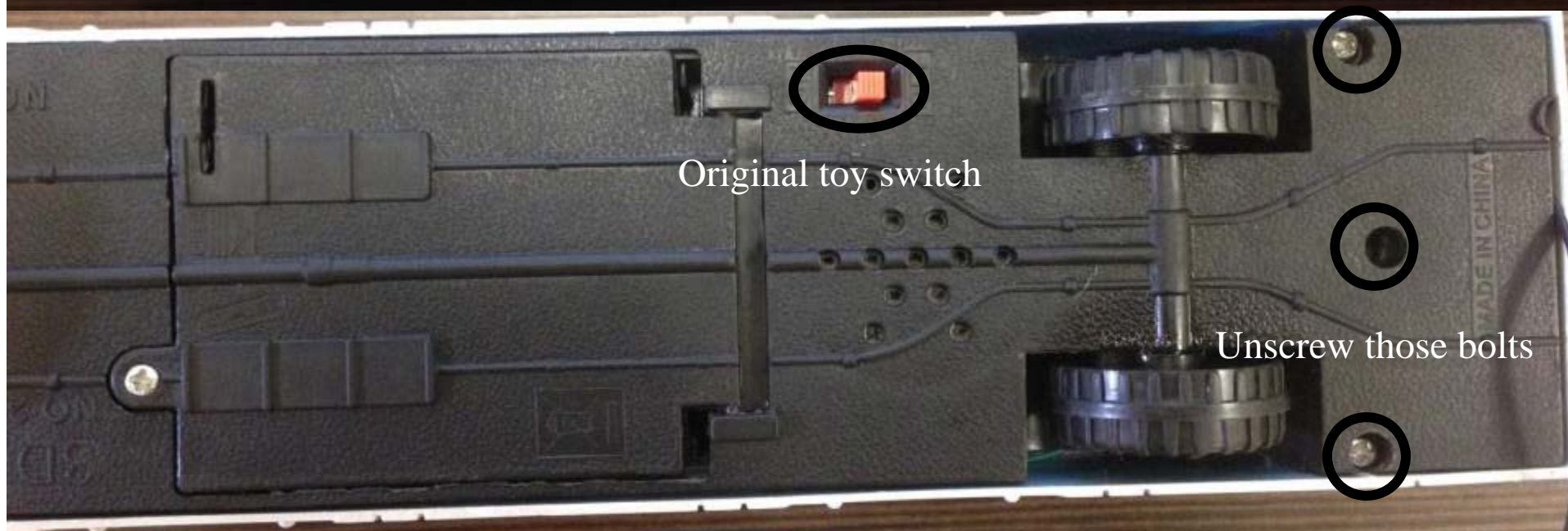
Music Box Toy Modification



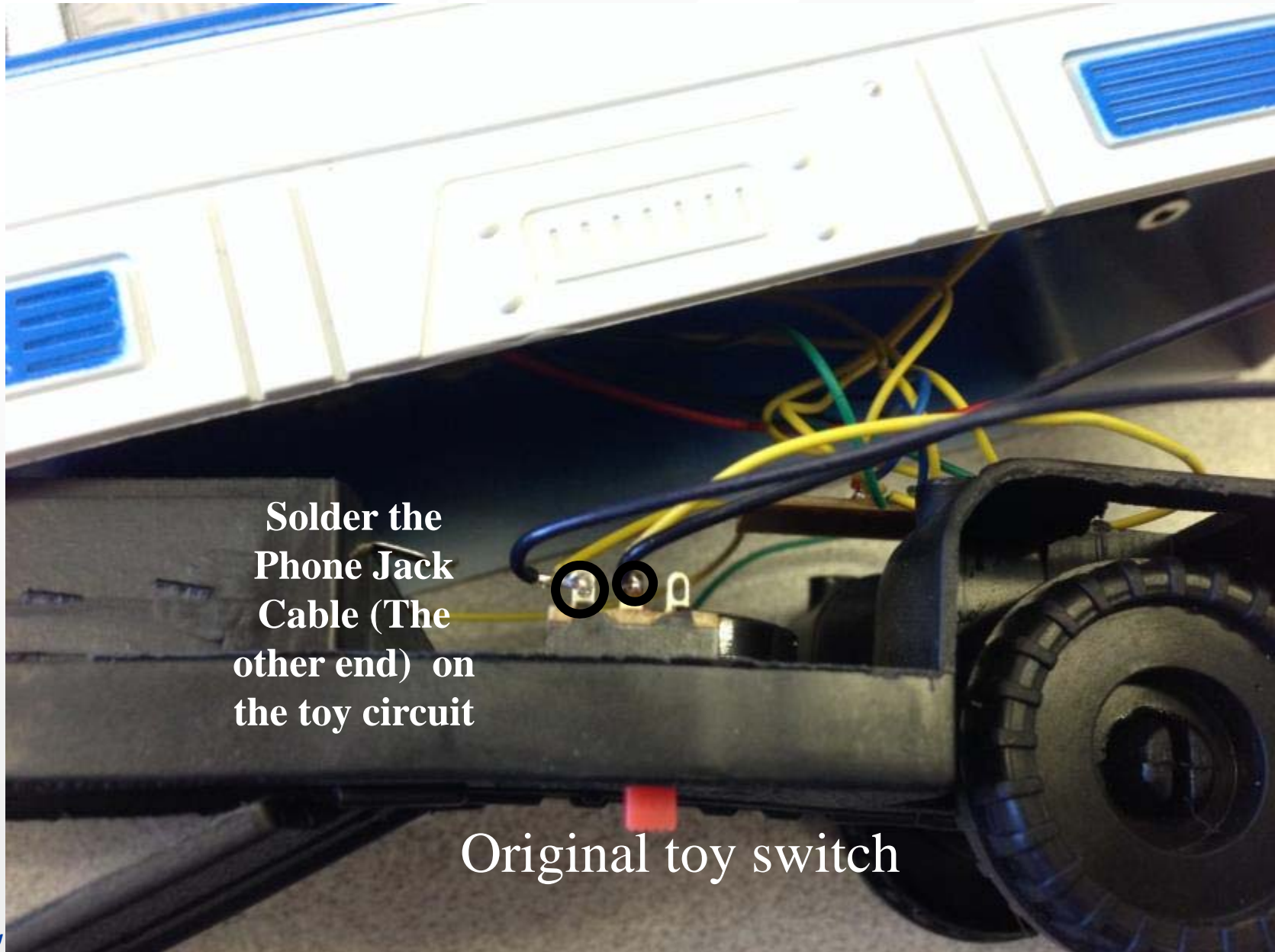
Original toy switch

**Solder the
Phone Jack
Cable (The
other end)
on
the toy circuit**

Train Toy Modification



Train Toy Modification



Solder the
Phone Jack
Cable (The
other end) on
the toy circuit

Original toy switch

Dog Toy Modification

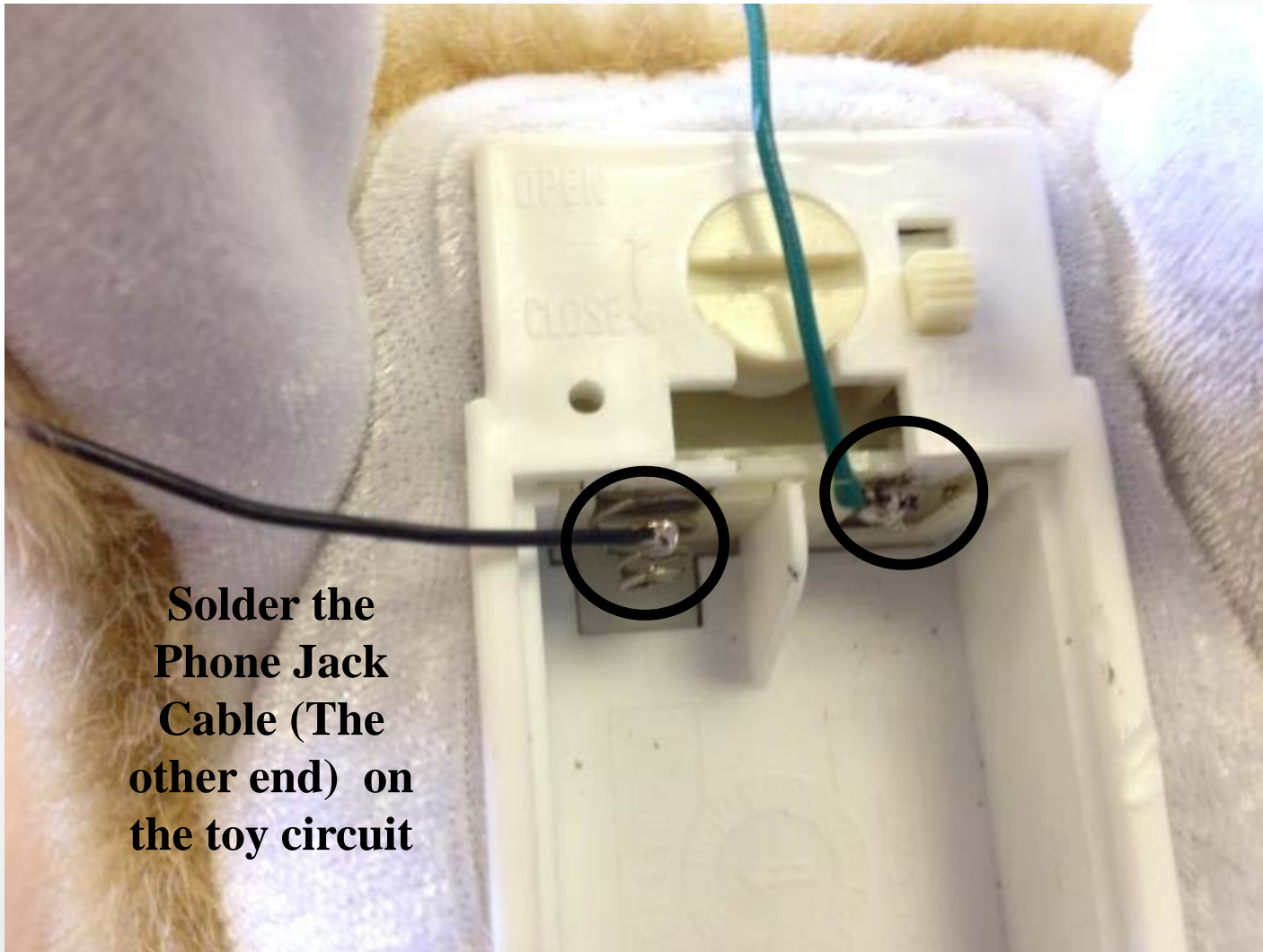


Dog Toy Modification

Unscrew one bolts you will reach the toy circuit



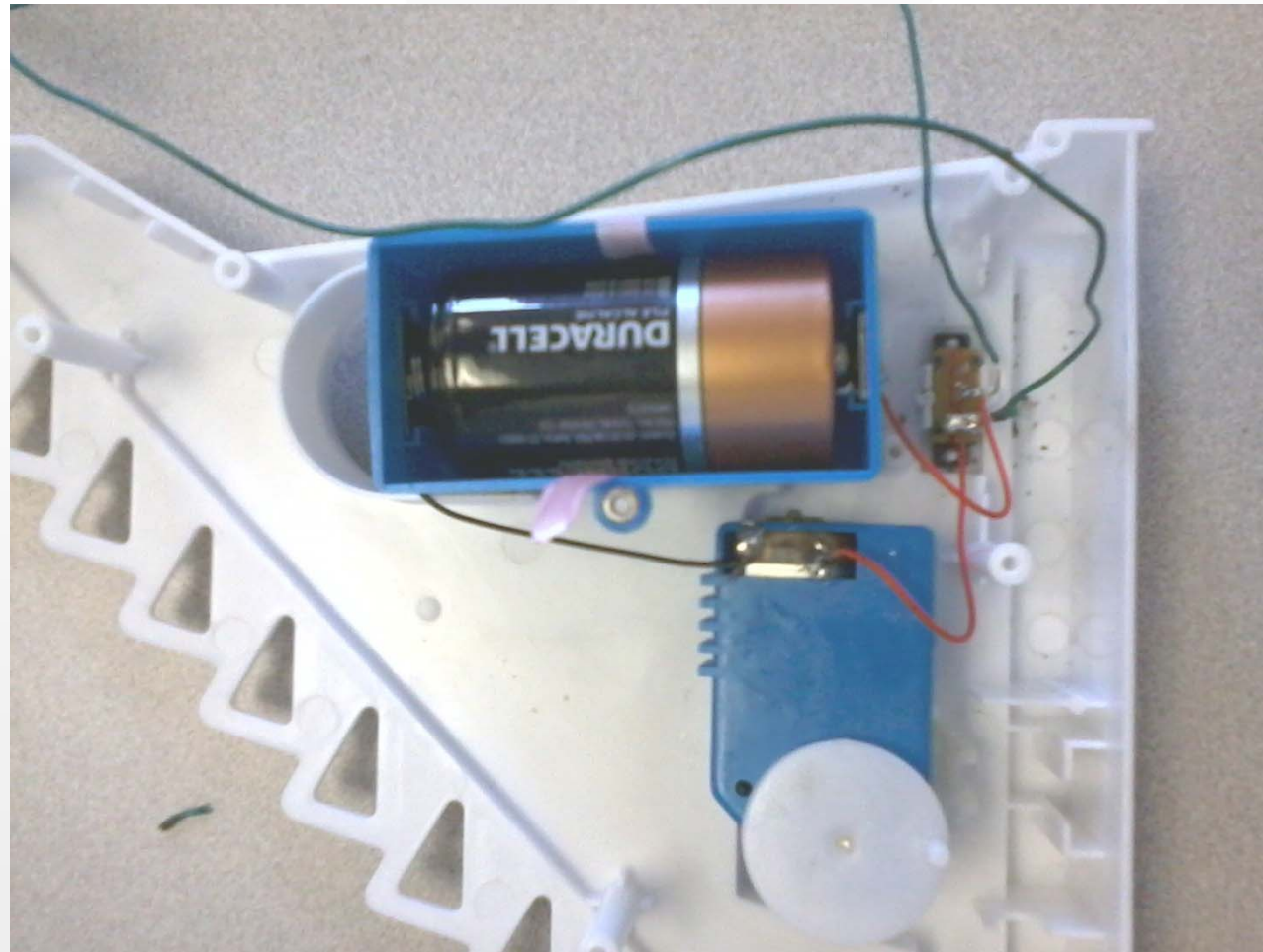
Dog Toy Modification



**Solder the
Phone Jack
Cable (The
other end) on
the toy circuit**

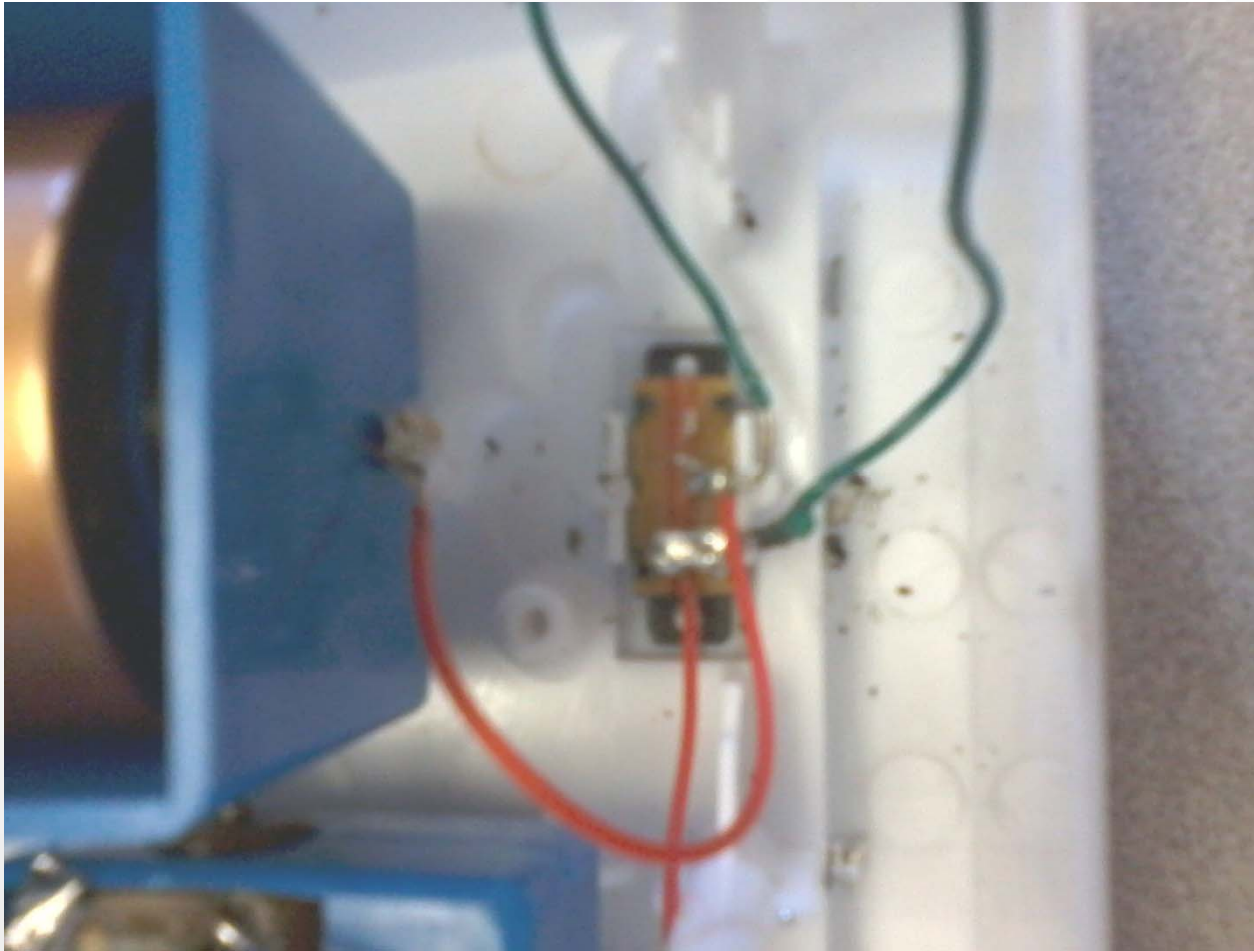
Toy Slide Modification

Remove the battery case to uncover the power switch



Toy Slide Modification

Push the two leads down without breaking before soldering



Spinning Art Toy Modification



Spinning Art Toy Modification

Unscrew all the screws in the picture



Spinning Art Toy Modification

The original circuit of the toy



**The original
switch**

Spinning Art Toy Modification

The circuit after modification



Utilizing Library Resources

Signup sheets for week 5 class, Guest lecture: Margaret Manion Utilizing Library Resources has been posted on the hall way next to Ball Hall 403. Please sign up ASAP.

Section time schedules

10/8(Tuesday)	9:00 AM-9:50 AM	10:00 AM-10:50 AM
10/10(Thursday)	9:00 AM-9:50 AM	10:00 AM-10:50 AM
10/11(Friday)	9:00 AM-9:50 AM	10:00 AM-10:50 AM

