

TI Kit Return Instruction

Class 16A

3 Steps

1. Repack your kit.
2. Record components' quantities on the designated excel sheet.
3. Return the kit to your GTA.

Step 1: Repack your Kit

- Instruction are also available [here](#).

Step 1: Empty the kit and reorganize the layout.

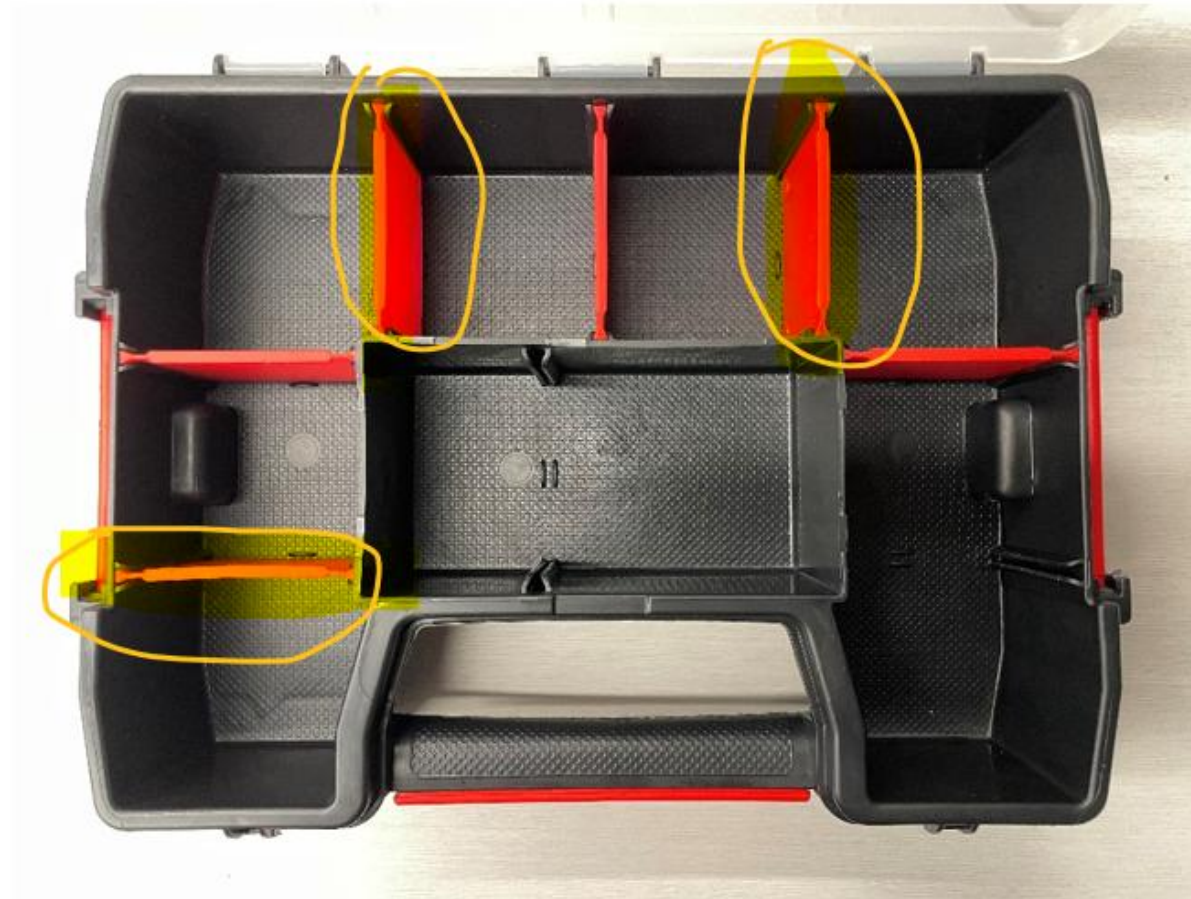


Figure 1. Possible Initial Kit Layout

If you have the same layout as shown in Figure 1, remove the circled cell dividers, and put the dividers in the upper right corner. Your kit should look like Figure 2 as shown on the following page.



Figure 2. Your Final Kit Layout

Step 2: Basic Kits

- Put all **five sensors** in the **upper left corner**: 4 Digit Display, Buzzer, Relay, Light, and Ultrasonic
- Put **TI board** in the **middle cell**.
- Put **Grove board** in the **upper right corner**.
- Put **wires** in the **lower right corner**: 4-Pin Wires, USB Cable, Type C Cable.

5 sensors:

- 4 Digit Display
- Buzzer
- Relay
- Light
- Ultrasonic

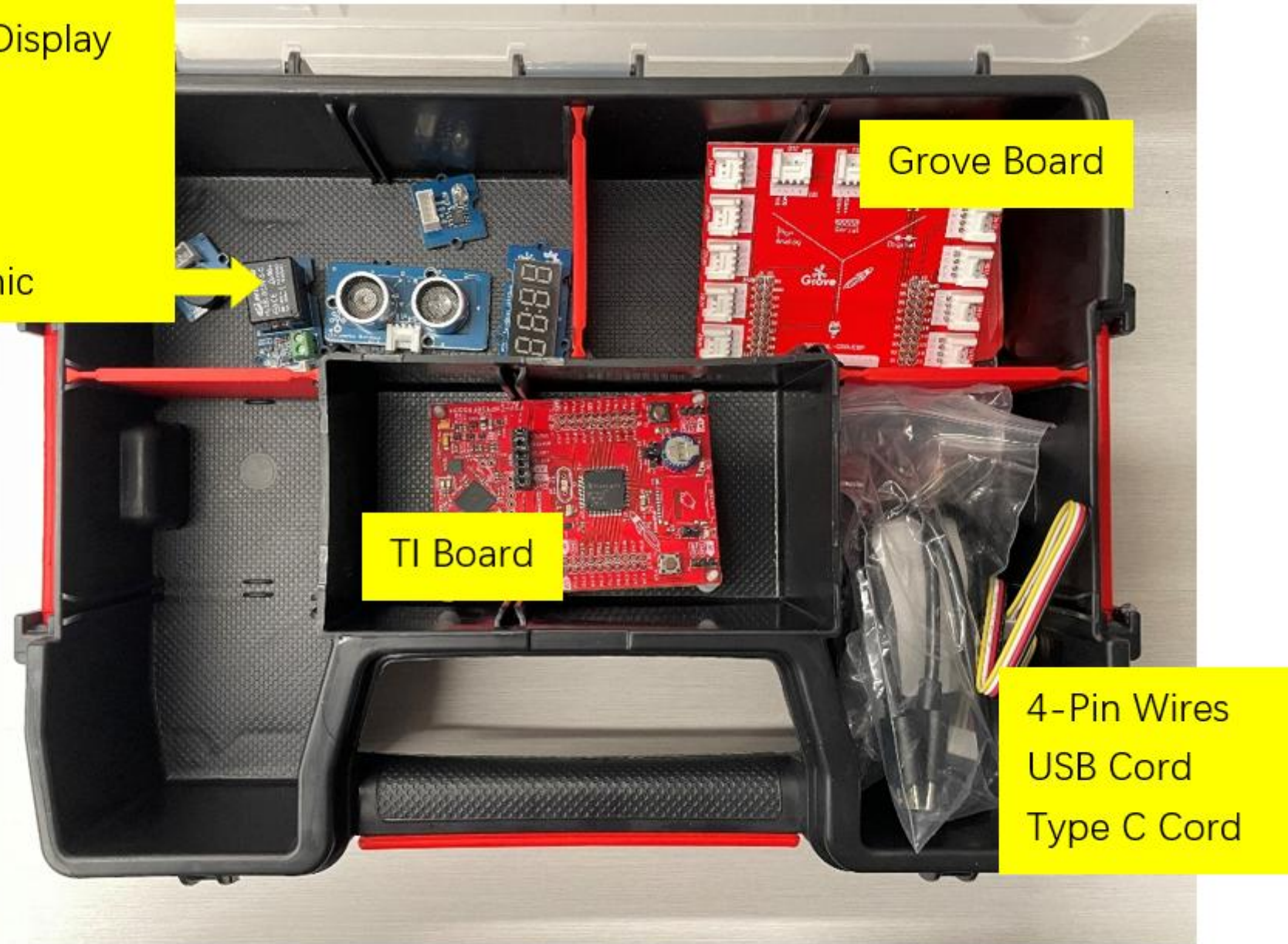


Figure 3. Basic Kit Re-Packing

Step 3: Only for full kit users.

- Put all **ten sensors** in the **upper left corner**: 4 Digit Display, Buzzer, Relay, Light, Ultrasonic, Sound, Rotary Angle, PIR Motion, Moisture, and Temperature&Humidity
- Put **TI board** and **Bread Board** in the **middle cell**.
- Put **Grove board** in the **upper right corner**.
- Put **wires** in the **lower right corner**: 4-Pin Wires, USB Cable, Type C Cable.
- Put **Resistors, LEDs, 1-Pin Wires** in the **lower left corner**.

10 sensors:

- 4 Digit Display
- Buzzer
- Relay
- Light
- Ultrasonic
- Sound
- Rotary Angle
- PIR Motion
- Moisture
- Temp&Humi

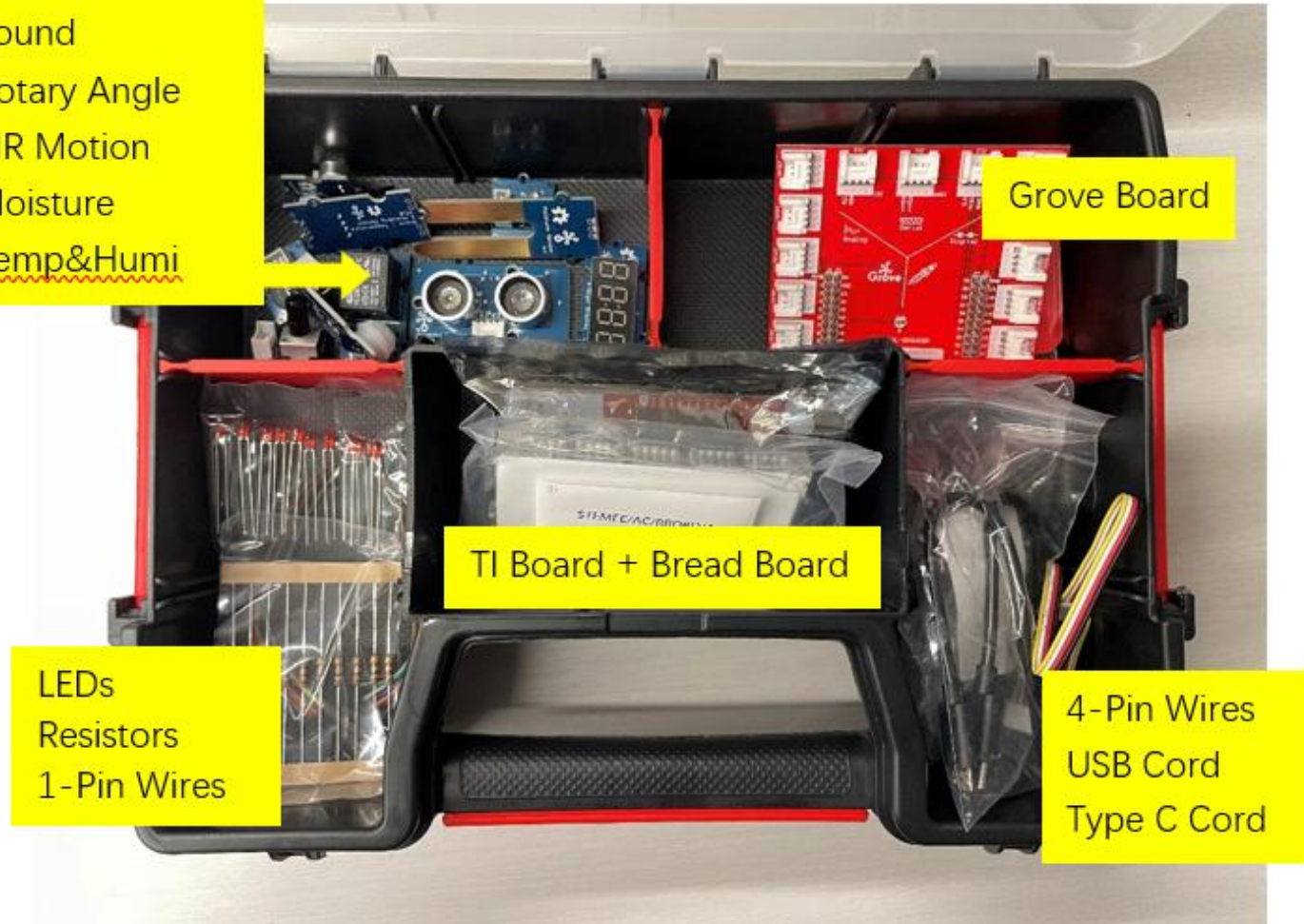
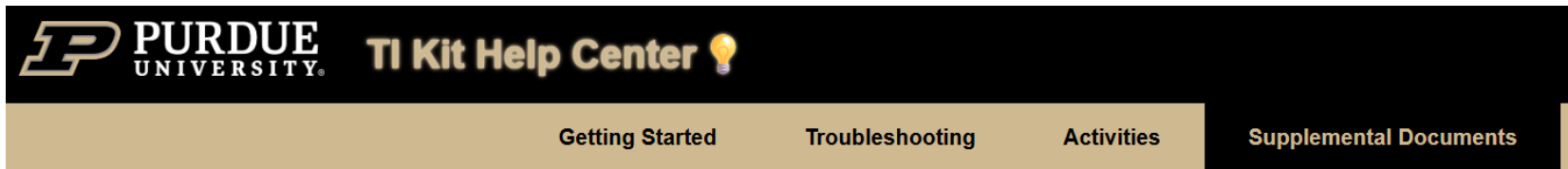


Figure 4. Full Kit Re-Packing

Step 2. Record Components' Quantities








- Navigate to our [TI Kit Website](#) -> Supplemental Document
- Find the excel with your professor's last name and open the file.



Supplemental Documents

Here are some resources that could be useful:

TI Kit Return Procedure

-  Return Instruction
-  Kit Repacking Instruction
- Excels for components' quantities documentation
 -  Aguilar
 -  Ferdoush
 -  McFall
 -  Wible
 -  Morpew

Step 2. Record Components' Quantities

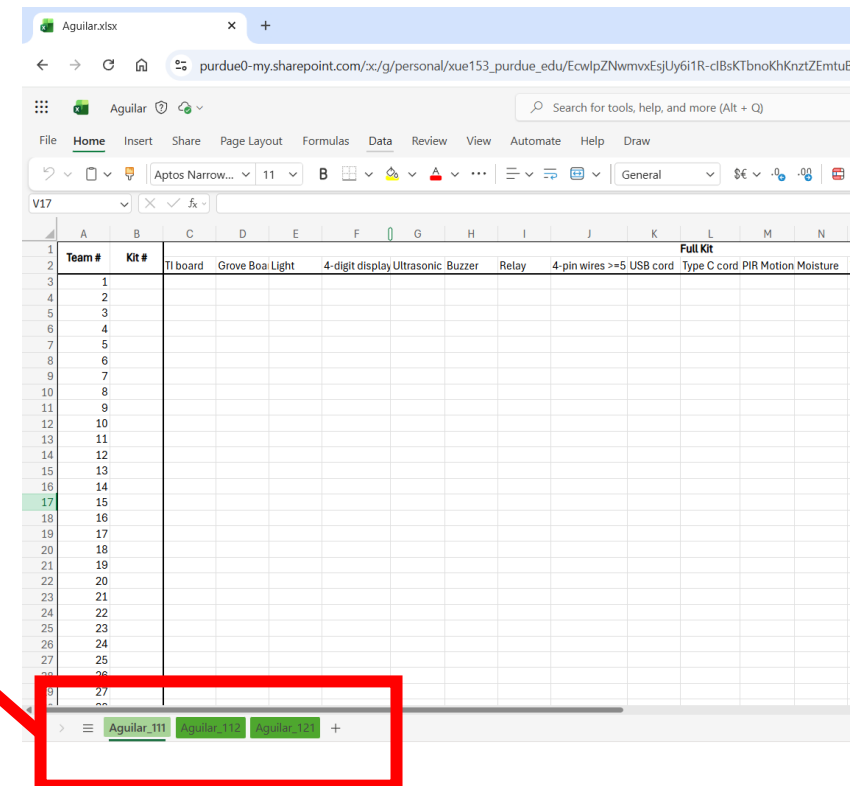
- Excel files' links are also available here
 - [Aguilar](#)
 - [Ferdoush](#)
 - [McFall](#)
 - [Wible](#)
 - [Morphew](#)

Step 2. Record Components' Quantities

- On the bottom of the excel, select the tab corresponds to your section number, so you are on the sheet for your section.



If you are in Prof. Aguilar's Section 111, click this tab



Step 2. Record Components' Quantities

- In the sheet, find your team number, record the kit number.
- For the rest of the row, record the component quantities in your kit.

Step 3. Return your kit to your GTA

- GTAs, please return the kits into their original bins, and put the bins into their original place.