76125 Iron Man Hall of Armour P130

- **P130 is the unique code of lighting set, we use this to accurately identify the product you purchased and the corresponding manuals and services you need to obtain. Please make sure your product code is the same as the label on the back of the box shown "76125 P130".**

- **Installation requires a lot of patience and great observation that your LEGO bricks will come alive when you get this finished. The bricks with lighting as below, so make sure you're ready and let's get started.**

Strategies for the Installation

This instruction divides three sections to complete the installation of the lighting set.

Section A： Check the type and quantity of components.

The quantity and type of components of each products are different and it needs to be carefully checked to make sure there do have enough material. The type of components is indicated by the label on the bag.

Section B： Test that each components is working properly.

Each components is made individually so it is necessary to test that each components is working properly to avoid the situation that the lighting does not work .

Section C： laying out components following the instruction.

Our material is very small but not fragile, just be reminded that don't to pull the wires too hard. For different people, there may be some installation steps that you can't understand. Please look at the previous and later installation step

Section A： Check the type and quantity of components.

There are 8 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
Bit Lights-15CM-Warm White	Bit Lights-15CM-Warm White	9
Bit Lights-15CM-White	Bit Lights-15CM-White	1
Bit Lights-30CM-White	Bit Lights-30CM-White	2
Expansion Board	8 Socket Expansion Board	2
USB Power Cable	USB Power Cable-30CM	1
Connecting Cables-15CM	Connecting Cables-15CM	1
Flashing Bit Lights-30CM-White	Flashing Bit Lights-30CM-White	1
Parts package		

Please contact us immediately if there have any missing components.

Section B: Test that each components is working properly.

    We need a structure to test all lights, so take out the bag with label "USB Power Cord"and "Expansion Boards"as follows.

    It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

  Note that on one side of the white plug you can see two very small golden wires that should be connected to the two golden needles in socket of the expansion board.shown as blow.
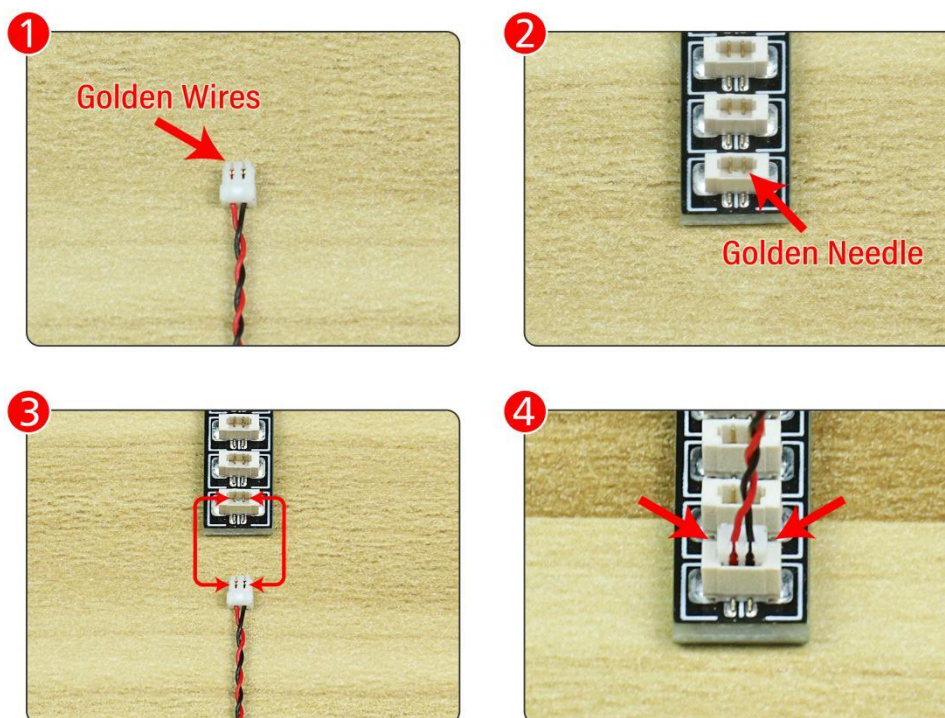
All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the USB Power Cord and Expansion Boards is as follows:
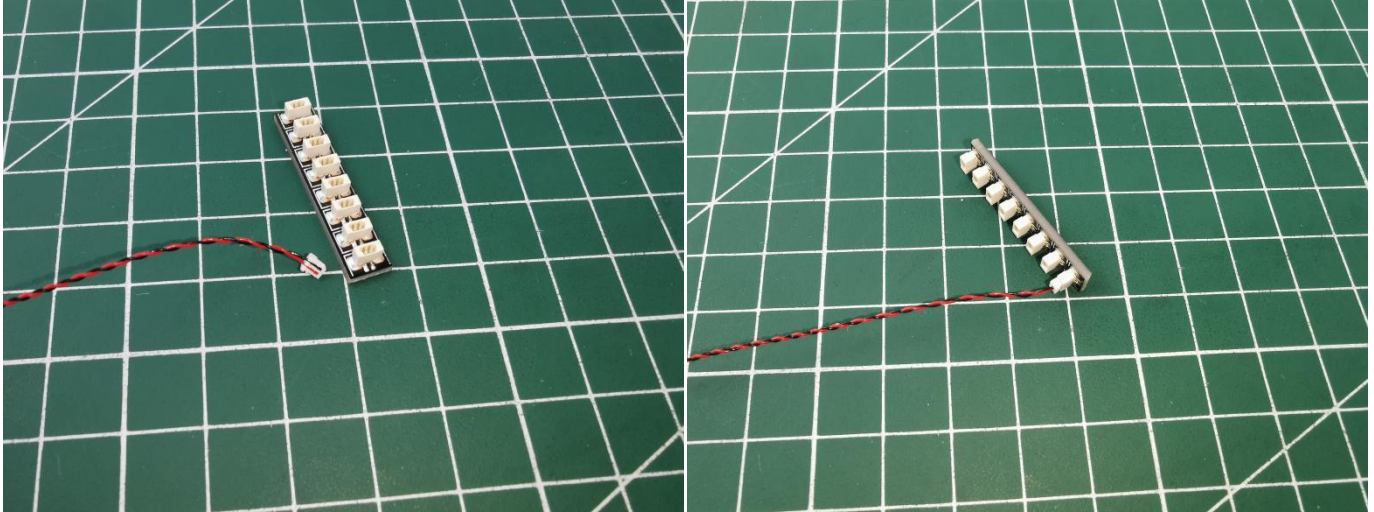
The USB Power Cord can be powered by phone chargers, power banks,etc.

USB connectors to connect devices

Power Bank

Phone Charger

USB Socket

USB Power Cable

With USB to interface
AA battery box

With USB to interface
AAA battery box
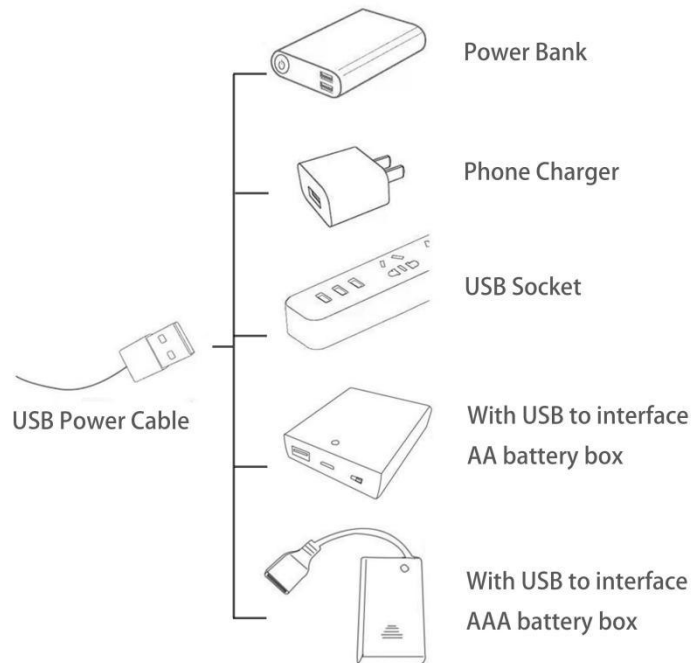
This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.

when we test "Bit Lights-15CM-Warm White" particles,Take out the bag labelled "Bit Lights-15CM-Warm White".Take out one of the light and connect it to the socket. Turn on the power bank, the light will turn on normally as shown below.
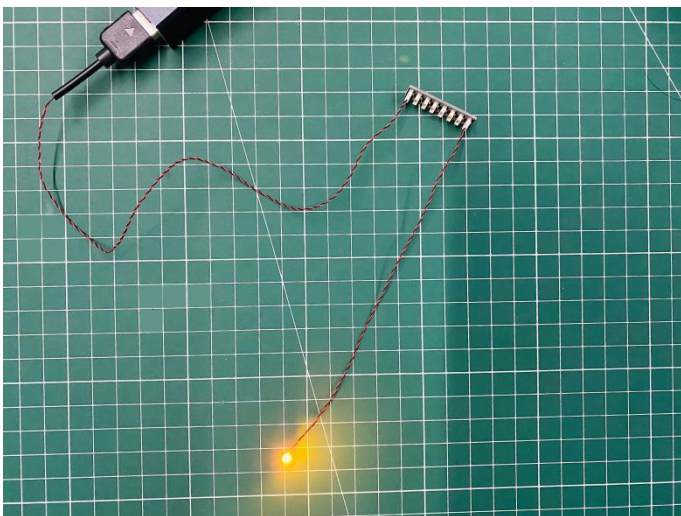
Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.

The components needs to be tested in this set is 8*Bit Lights-15CM-Warm White,1*Bit Lights-15CM-White,2*Bit Lights-30CM-White,1*Flashing Bit Lights-30CM-White.
Please contact us immediately if any components don't work.

1.Start from the showroom, remove one of the showrooms.
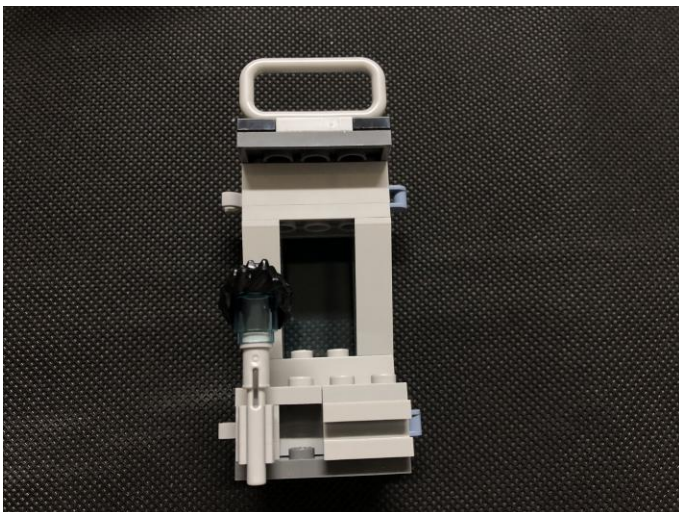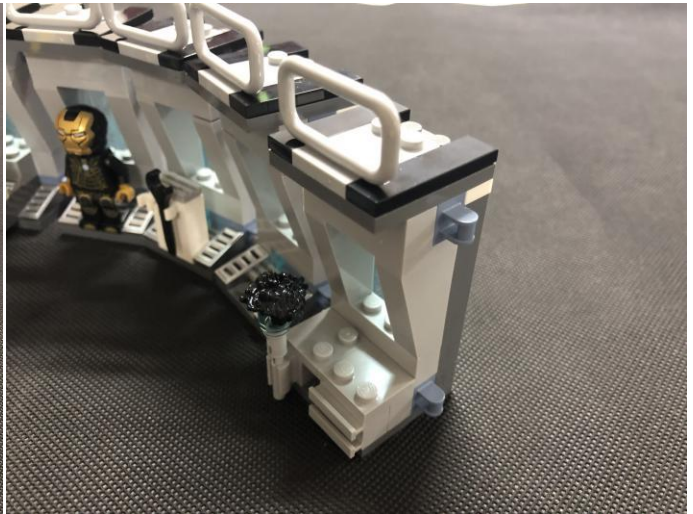
2.Take a warm white 15cm dot light, a 8-port expansion board.
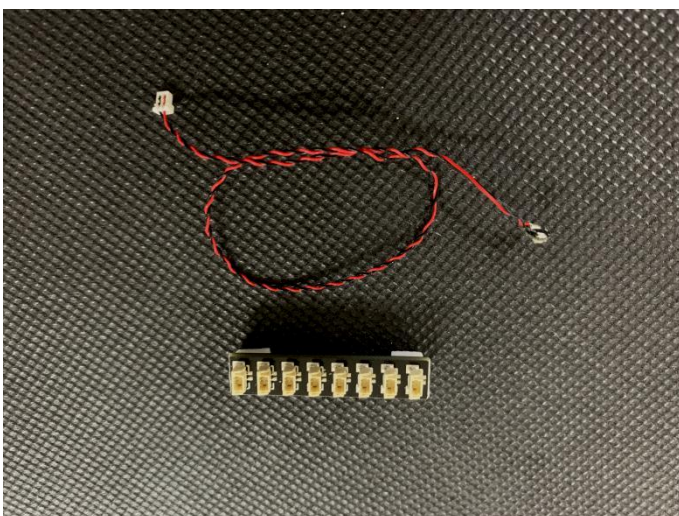
3.Remove the roof as per below.
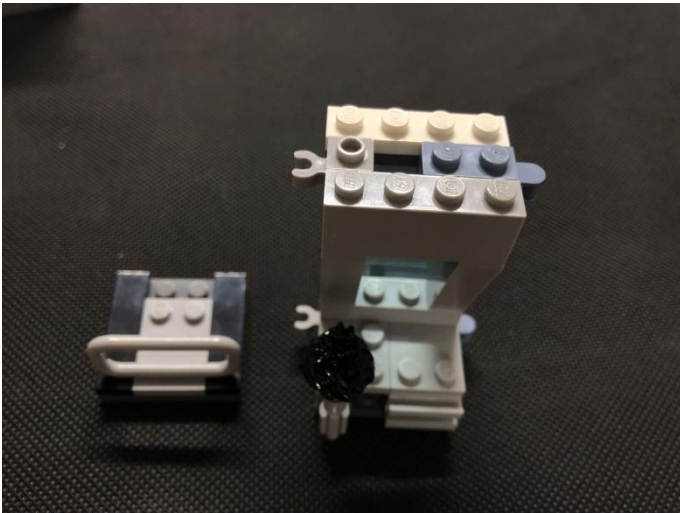
4.With lighting part facing down. Place the cables as per below.
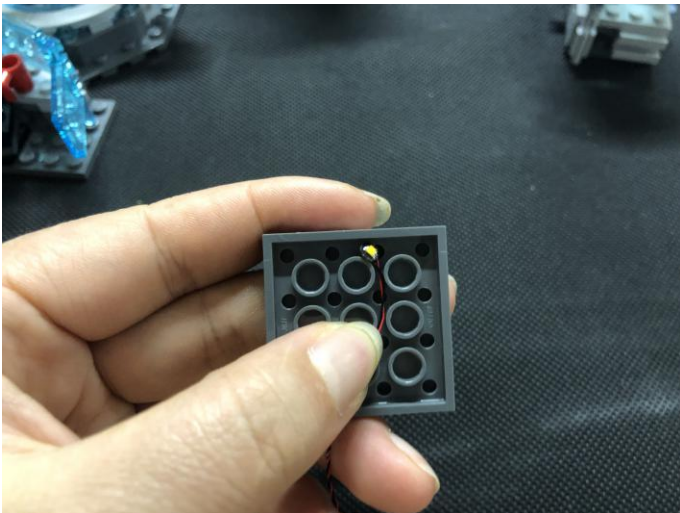
5.Reconnect the roof.Fixed lamp (note: pull the cable out from the back).
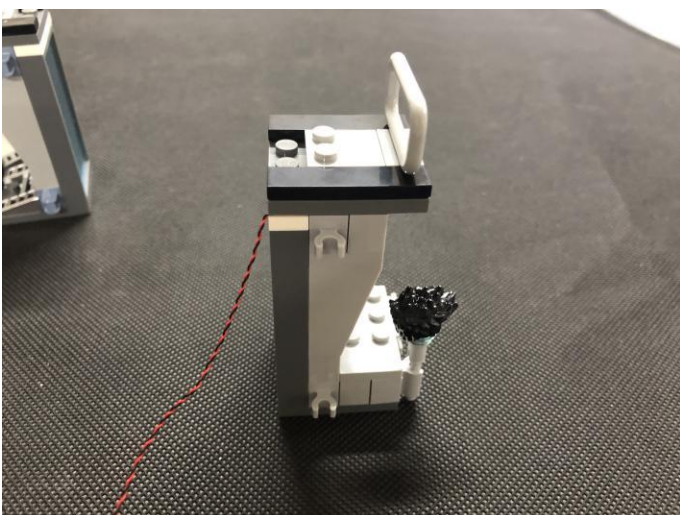
6.Take 3 warm white 15cm dot lights, repeat the steps above to install lights for the next 3 showrooms.
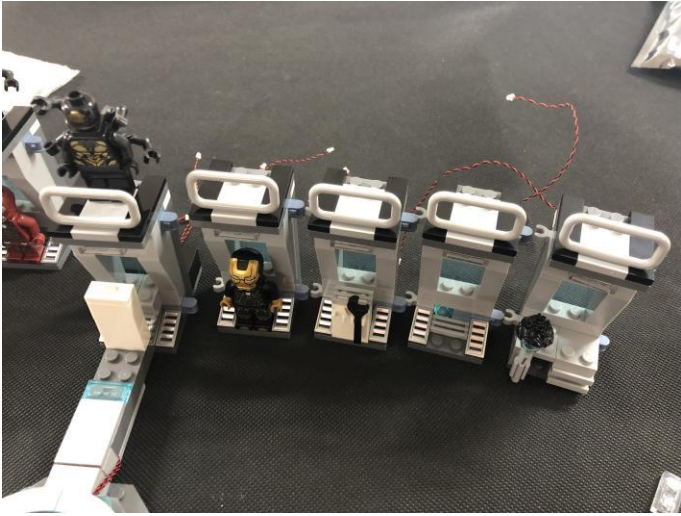
7.Connect the 4 cables of the lights to the expansion board (the expansion board should place behind).
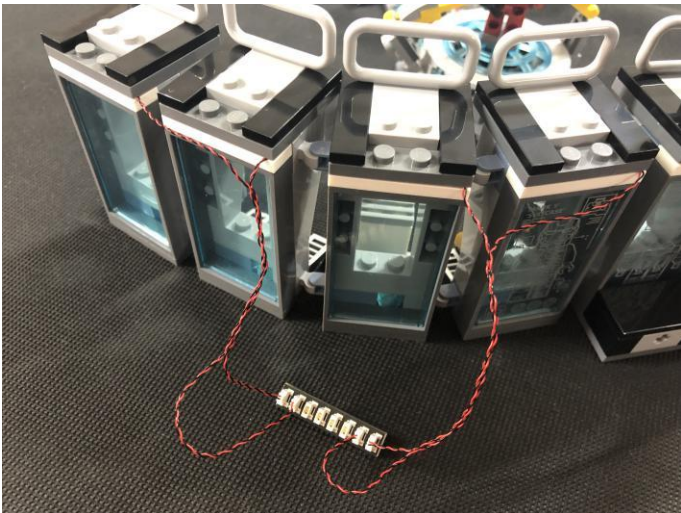
8.Take another 8-port expansion board.

9.Take 5 warm white 15cm dot light,　also repeat the steps above to install lights for the left 5 showrooms.

Connect the cables of the lights to the expansion board as per below.
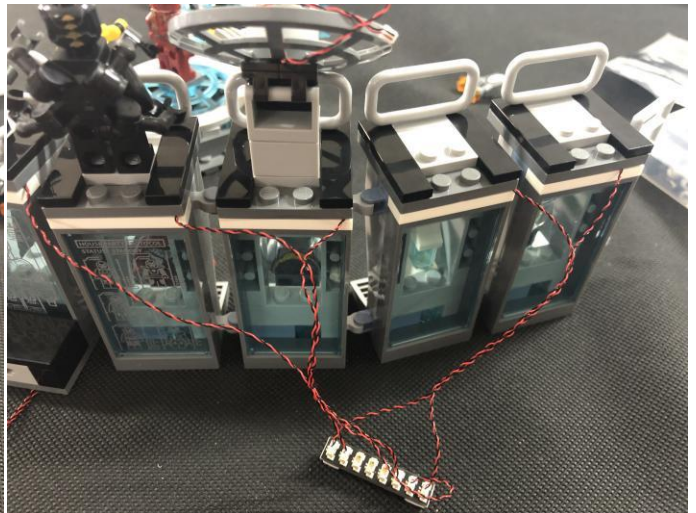
10.Move onto installing light for the signal tower. Remove the tower as per below.
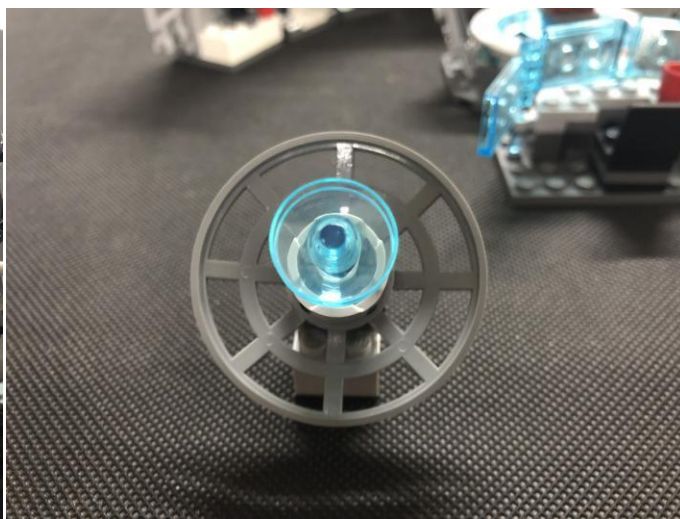
11.Take a white 15cm dot light, remove the following gray piece.

12.With lighting part facing up, connect the light to the center of the gray piece, reconnect this piece back.
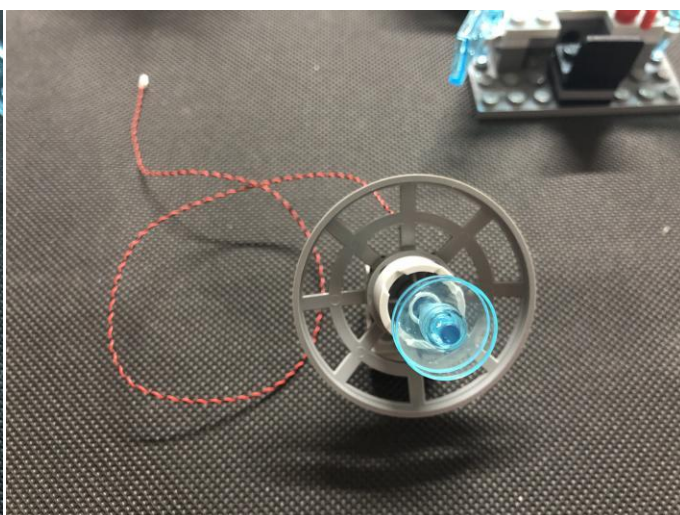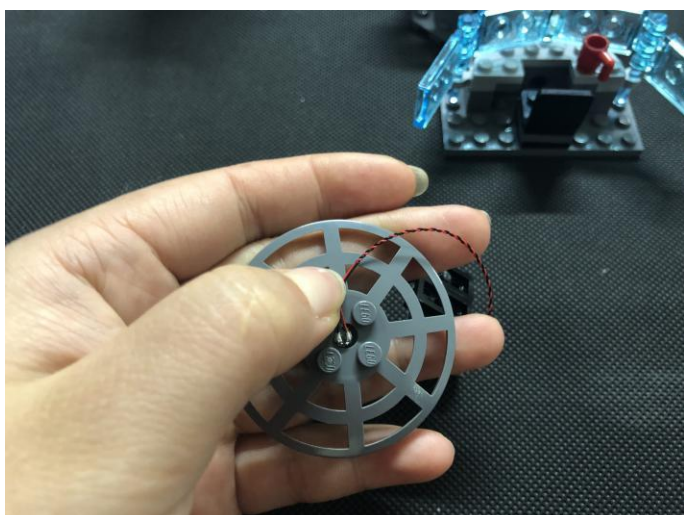
13.Reconnect the signal tower, connect the cable of the light to the expansion board.
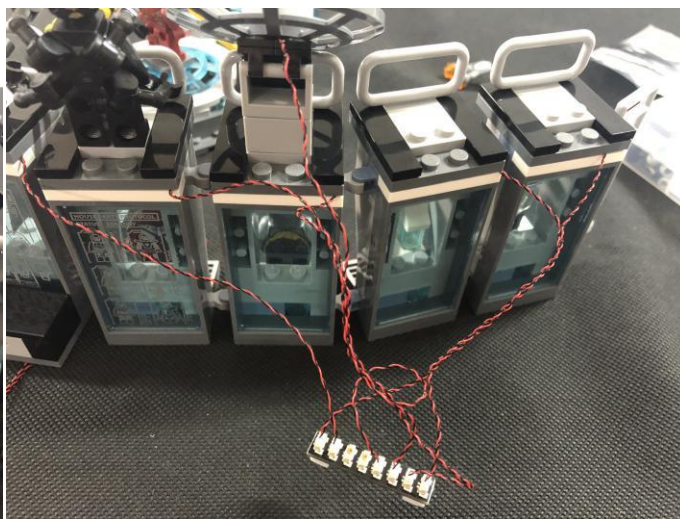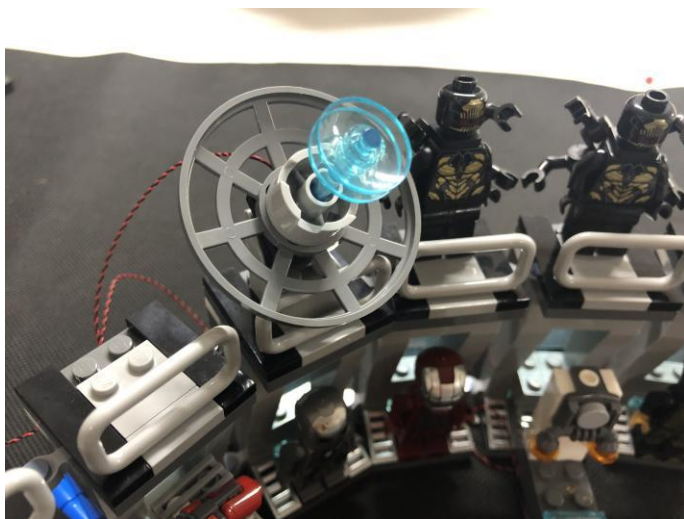
14.Start to install lights for the data analysis area.

15.Open the forceps to help to remove the model with the blue round piece underneath. Remove the base.
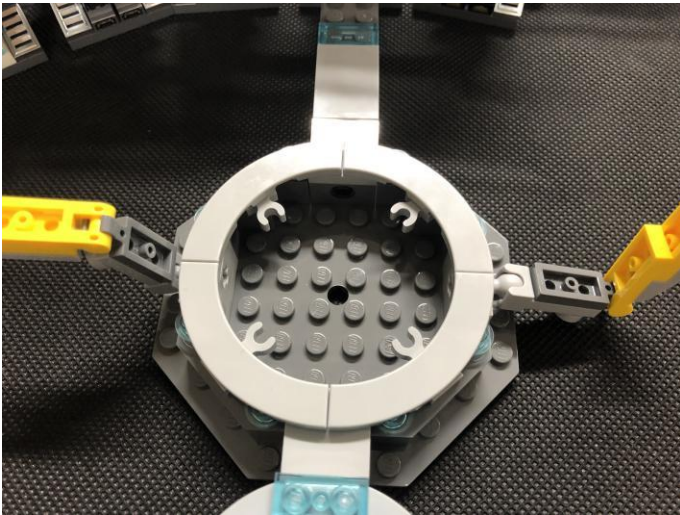
16. Take a flashing white 30cm dot light, with lighting part facing up, place it at the middle of the trans blue piece.
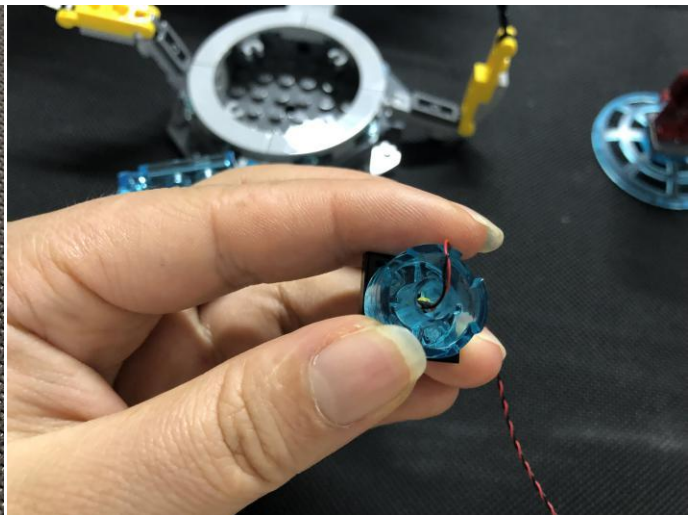
17. Reconnect the base.
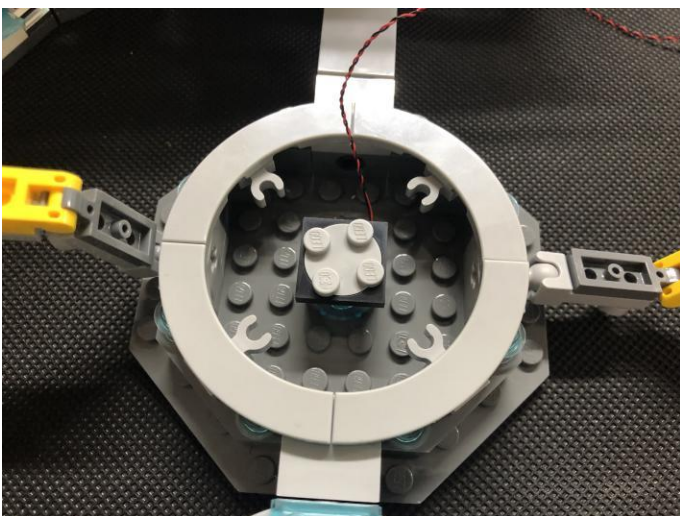
18.Install the light for the back of the computer.
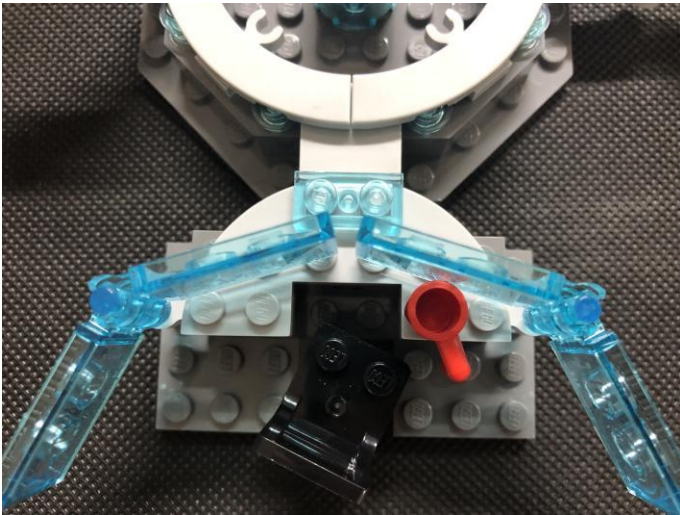
19.Remove the trans blue 1x2 piece.
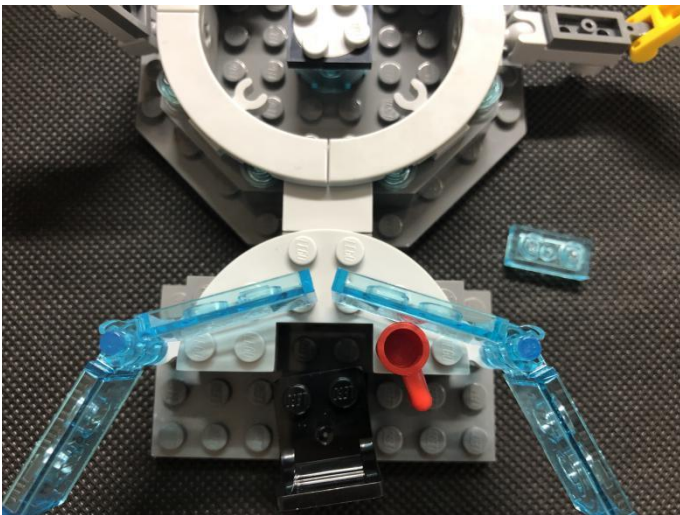
20.Take 2 white 30cm dot lights, with lighting part facing up, connect it to the trans blue piece, reconnect the trans blue piece.
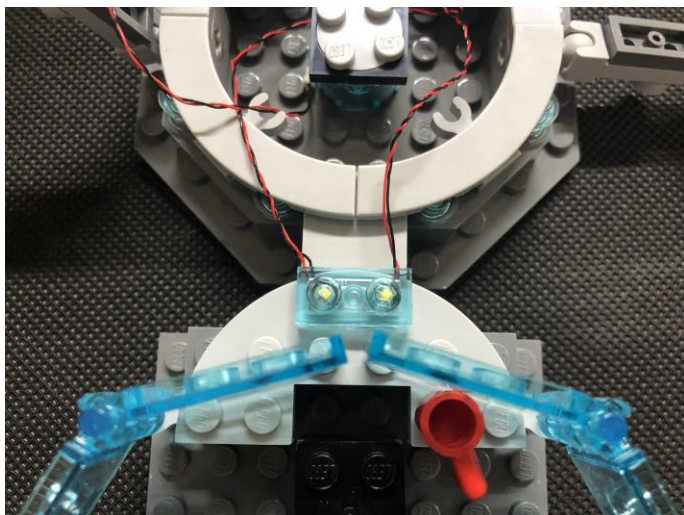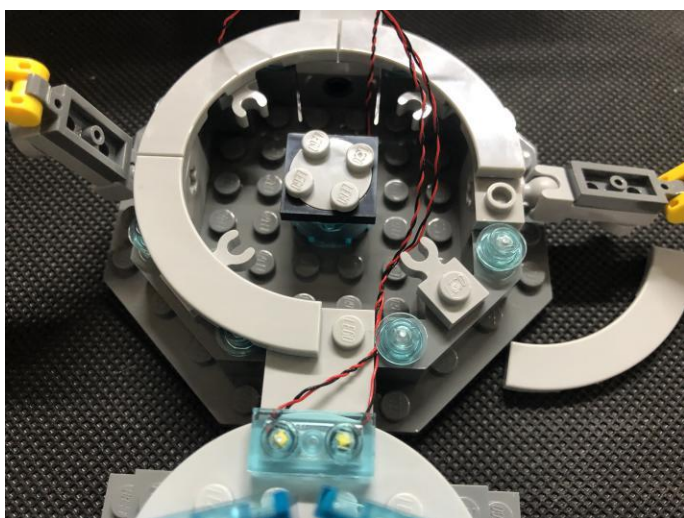
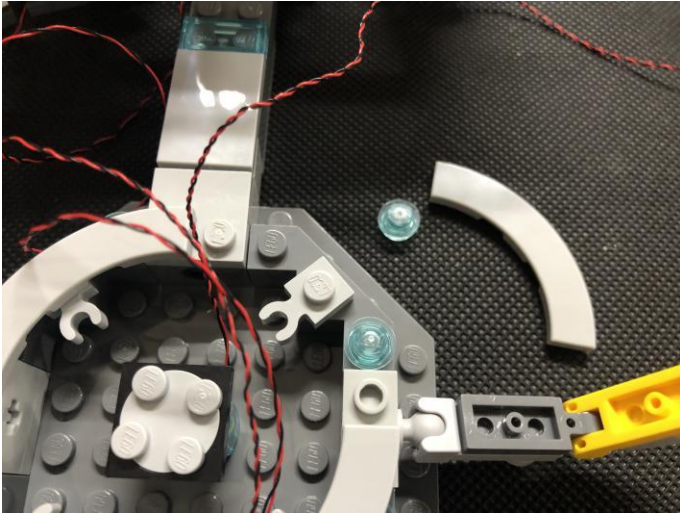**21**.Remove the arc gray piece, the trans blue 1x1 round piece.
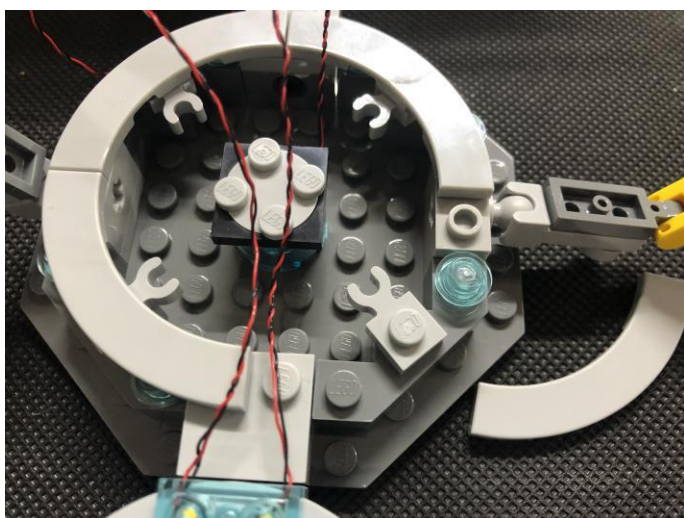
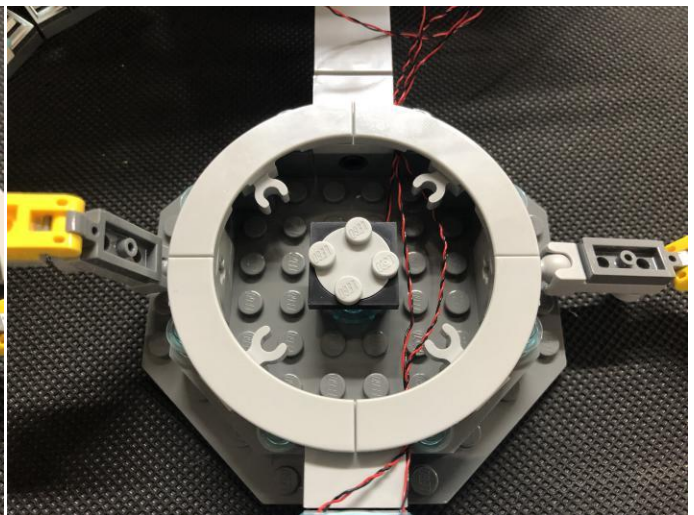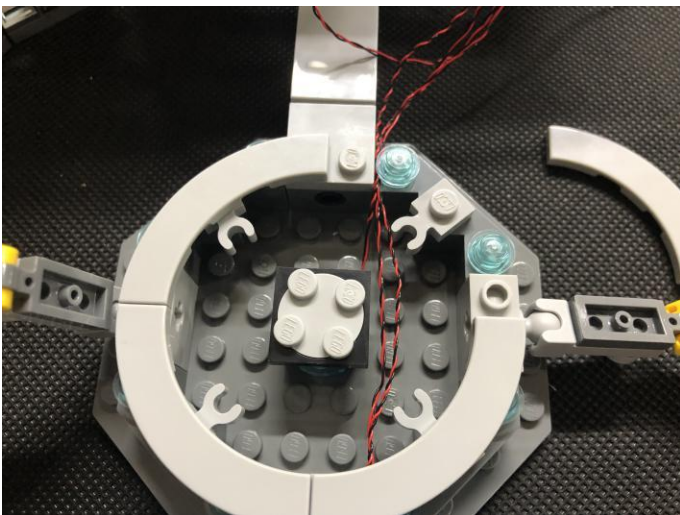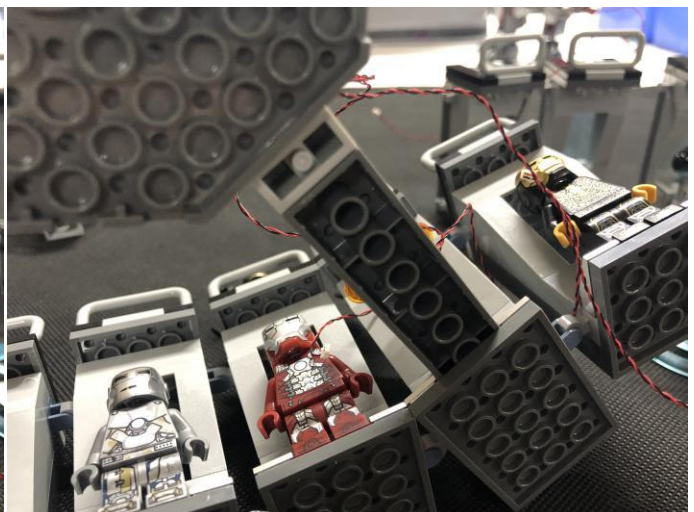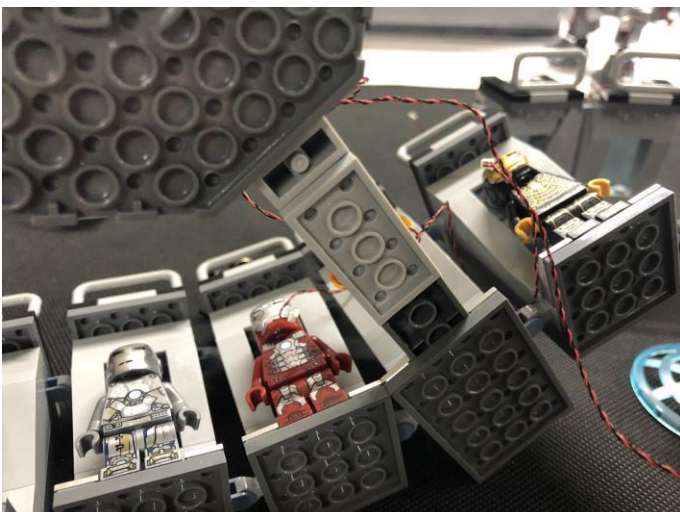**22**.Secure the cable of the light at the back of the computer, reconnect the arc gray piece.
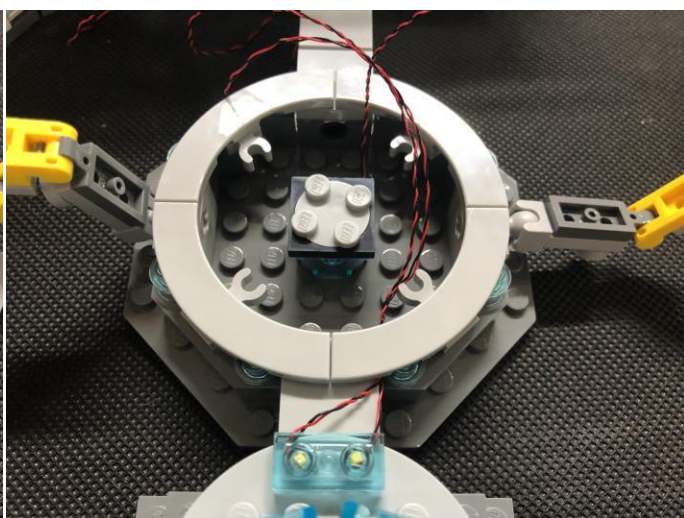
23. Remove another arc gray piece, a trans blue 1x1 piece.

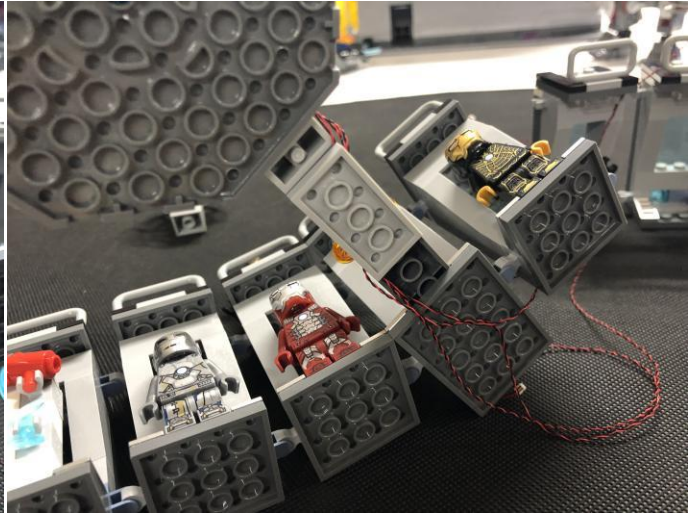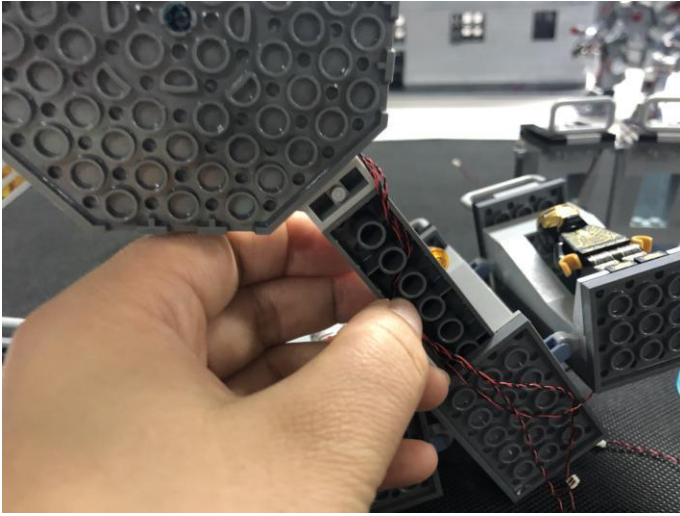**24.**Secure the cables of the lights and the flashing lights with the 1x1 trans blue piece, reconnect the arc gray piece.

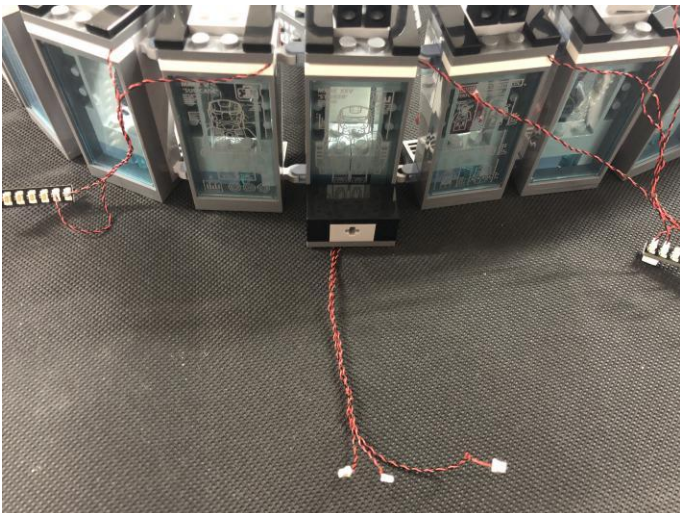**25.**Turn the rooms over, remove the light gray 2x4 piece.

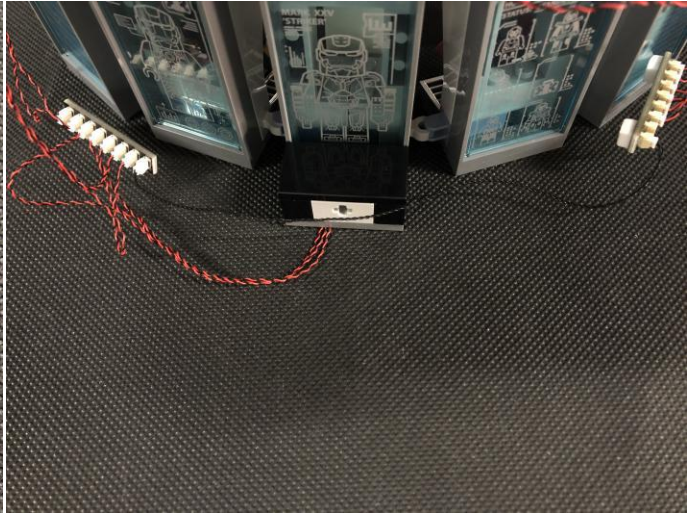# 26.Place the previous 3 cables as per below. Reconnect the light gray 2x4 piece：

27.Reconnect the model.
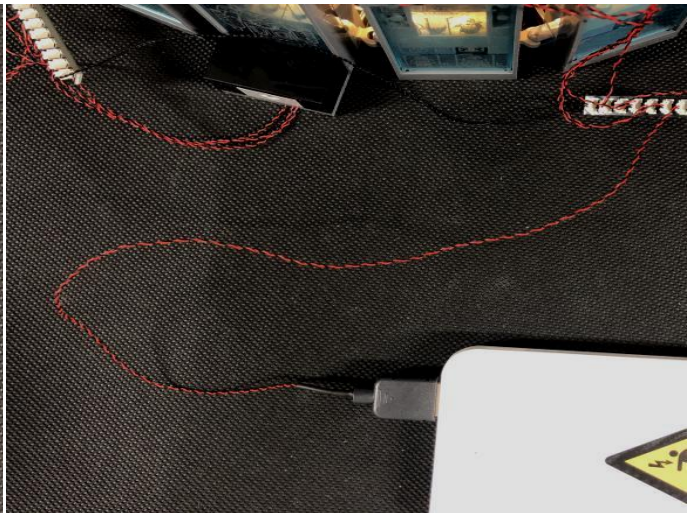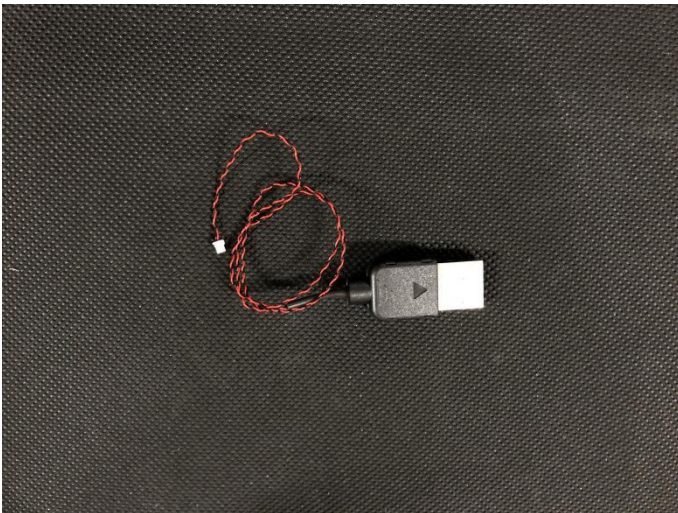

28.Connect the 3 cables to the expansion board.

29.Take a 15cm connecting cable, connect the 2 expansion board together.

30.Take a USB power cable, connect it to the expansion board, then, connect the other end to the power source.

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Good job, you've done all the installation steps, power it up and enjoy your work.