

## Iron Man Hall of Armor # 76125 Lighting Kit

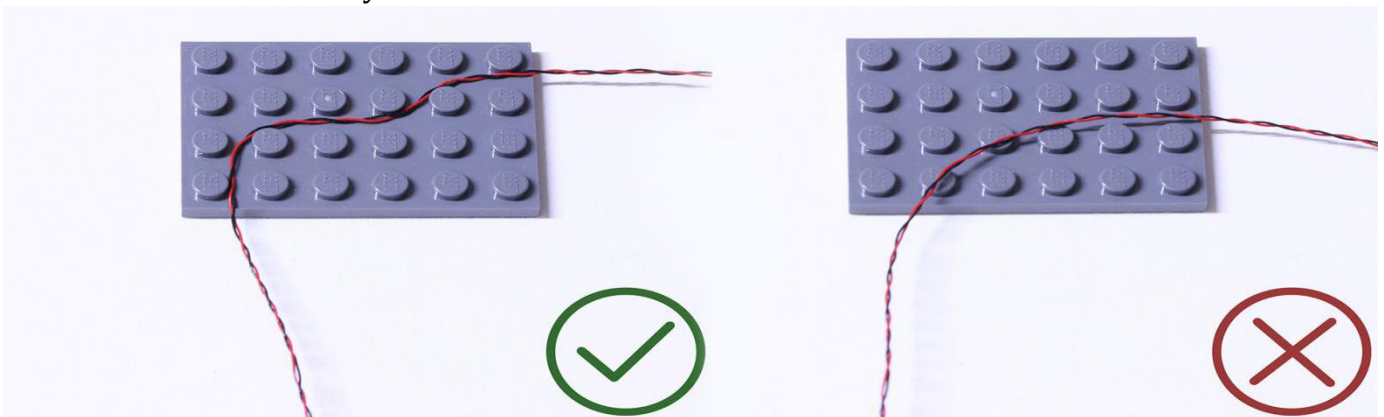
### Package contents:

- 1 x 15cm White Dot Light
- 9 x 15cm Warm White Dot Lights
- 2 x 30cm White Dot Lights
- 1 x 30cm Flashing White Dot Lights
- 1 x 15cm Connecting Cable
- 2 x 8-port Expansion Boards
- 1 x USB Power Cable
- Extra LEGO pieces

### Note:

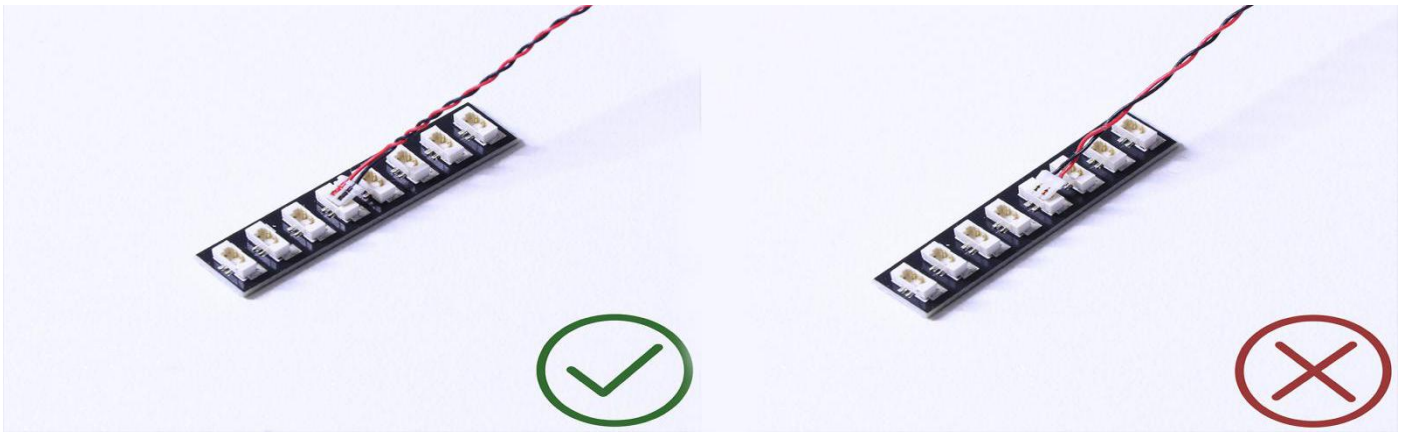
Place wires on the surface or under the LEGO building blocks.

The wire can be placed between the building blocks or under the block, but they should be placed between the studs correctly.

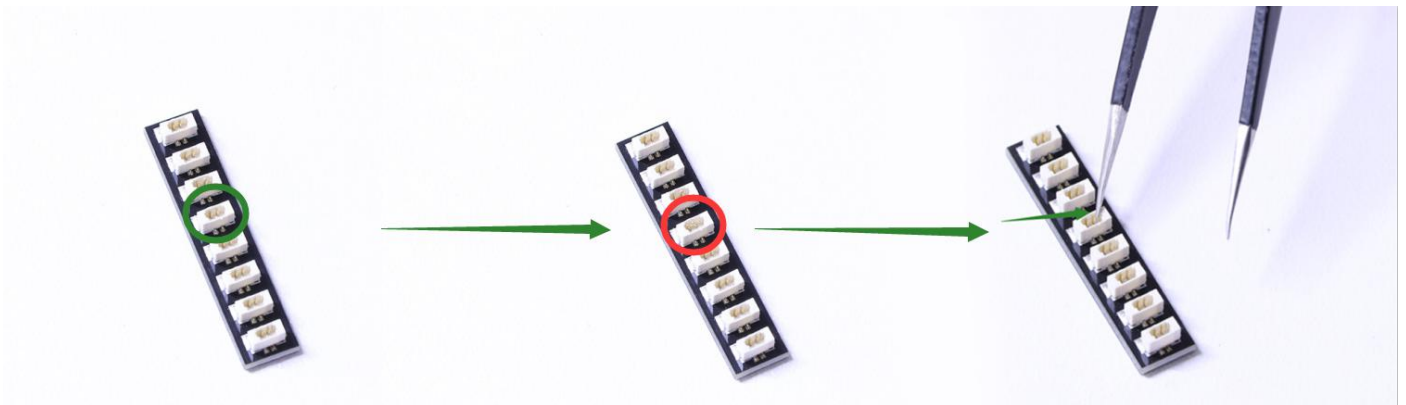


Insert the connectors to the ports.

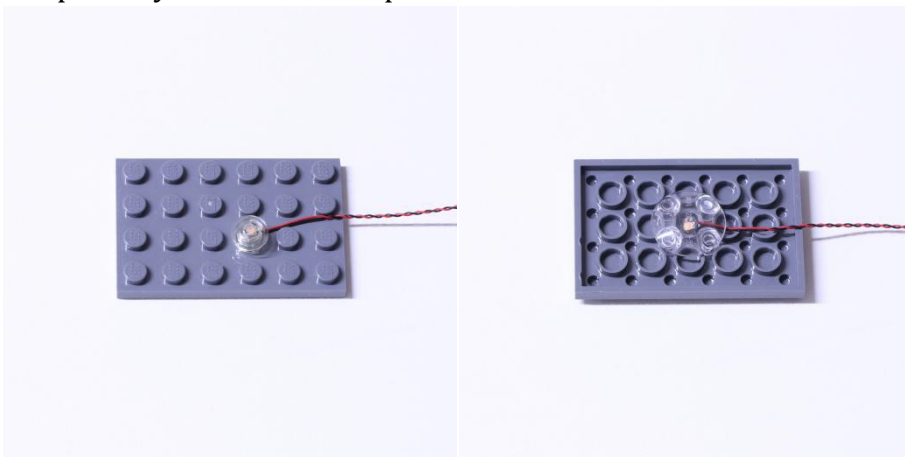
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, and don't force it, for that may result in bent pins inside the port or overheating of the expansion board.



At this point, use the tweezers to straighten the bent pins.

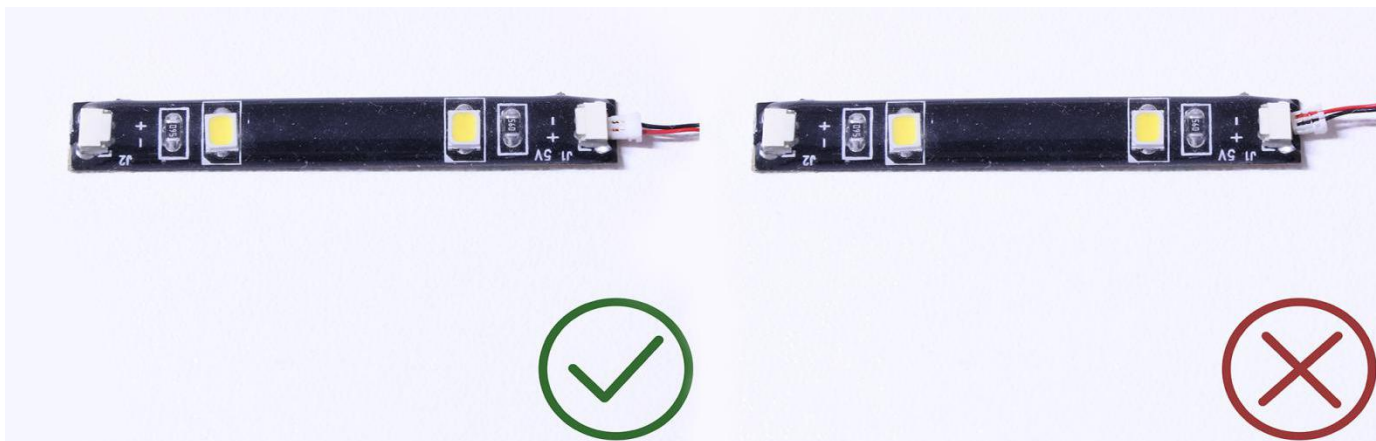


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

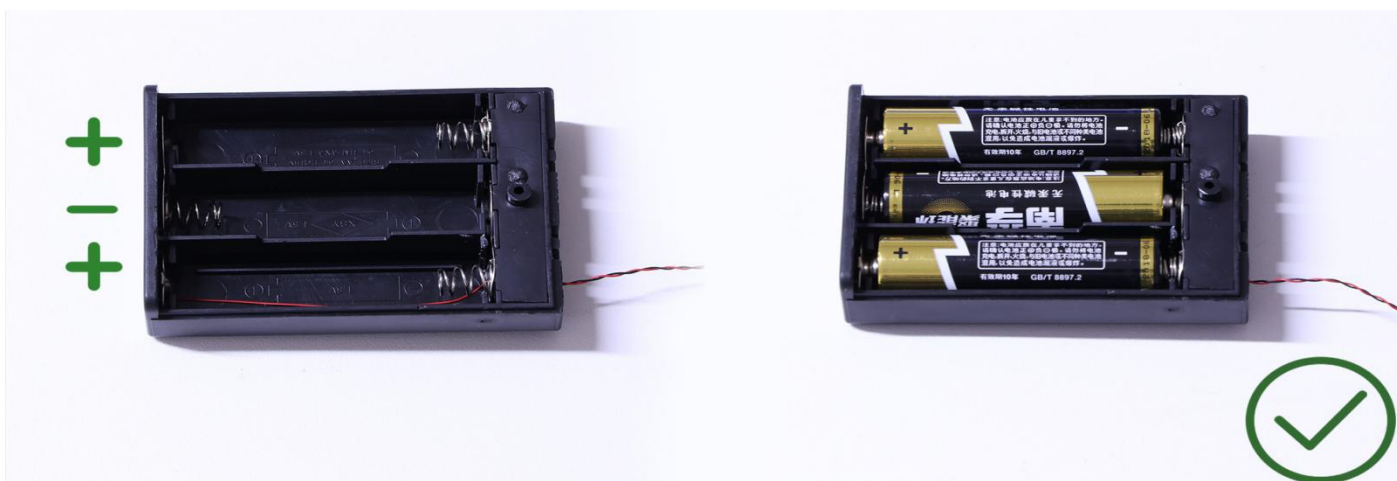


## Connecting cable connectors to Strip Lights

Take extra care when inserting connectors to ports on the Strip Lights. Connectors can be inserted only one way. With the Strip Light facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, don't force it. Doing so will damage the plug and the connector.



Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.

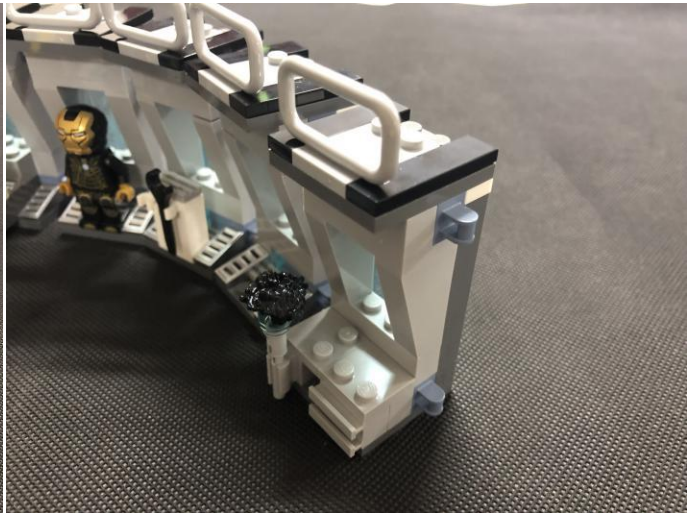


OK, Let's Begin!

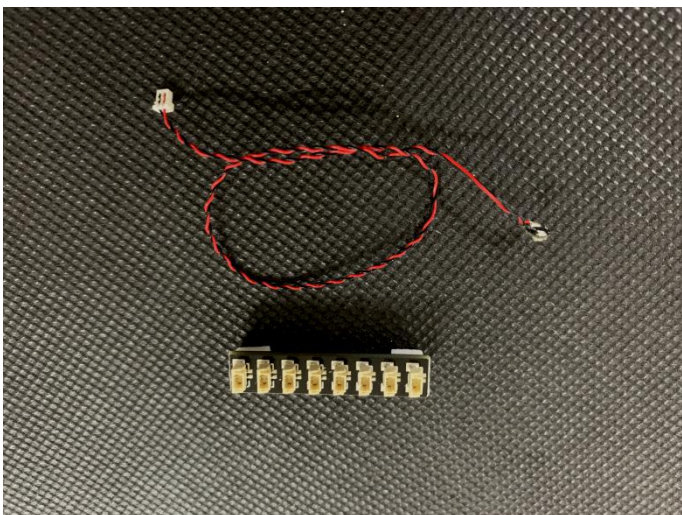


## Instructions for installing this kit

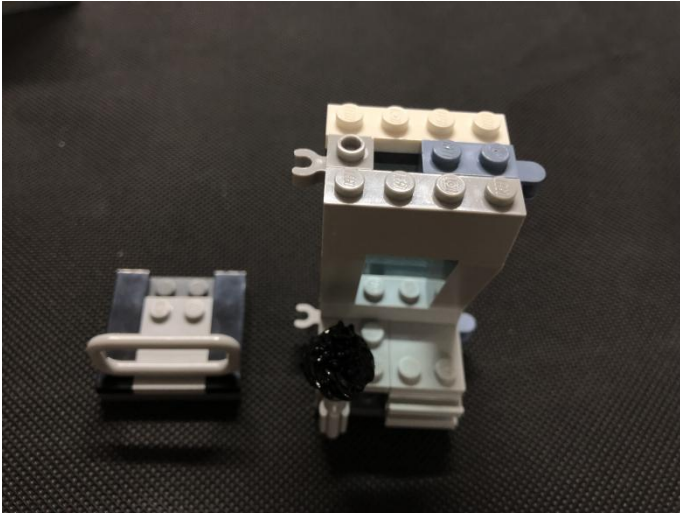
Start from the showroom, remove one of the showrooms



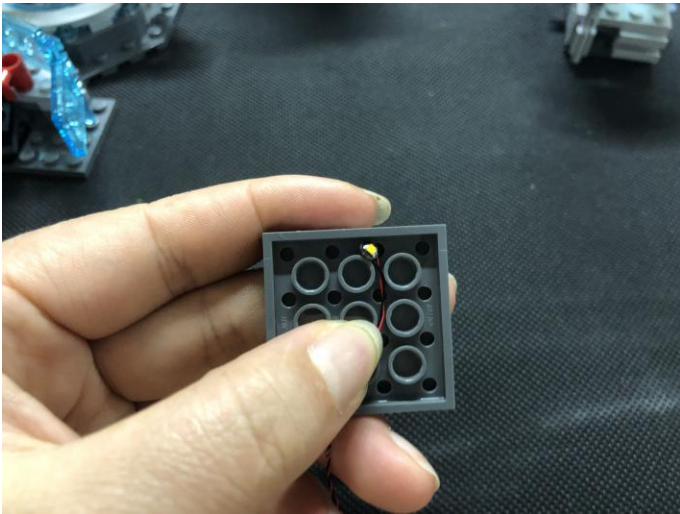
Take a warm white 15cm dot light, a 8-port expansion board



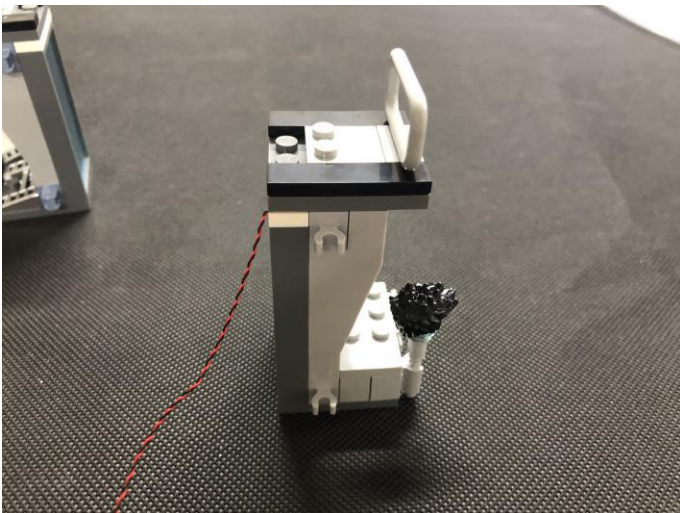
Remove the roof as per below



With lighting part facing down. Place the cables as per below

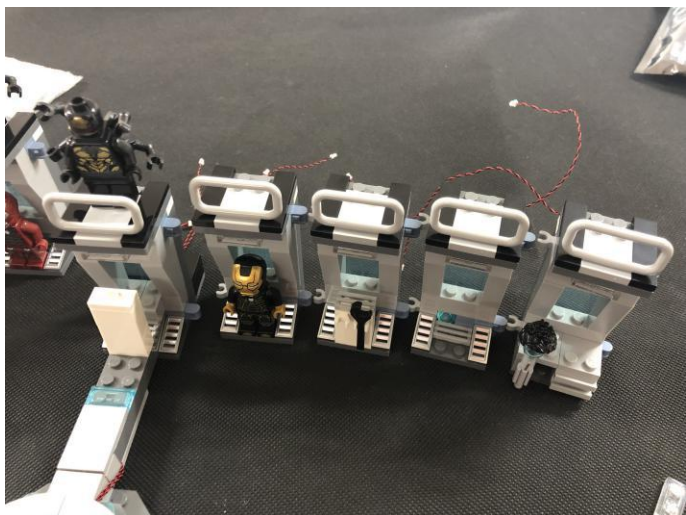


Reconnect the roof.Fixed lamp (note: pull the cable out from the back)



Take 3 warm white 15cm dot lights, repeat the steps above to install lights for the next 3 showrooms

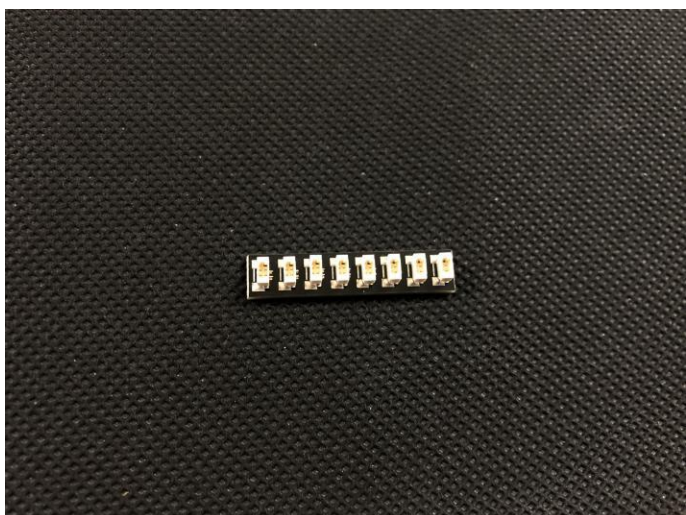




Connect the 4 cables of the lights to the expansion board (the expansion board should place behind)



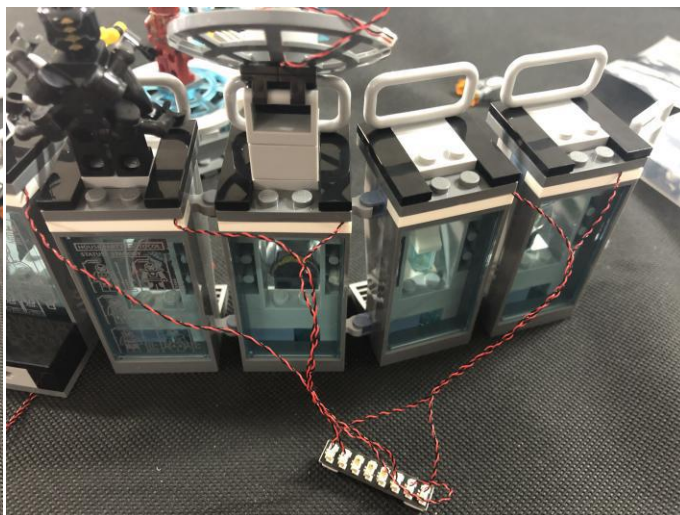
Take another 8-port expansion board



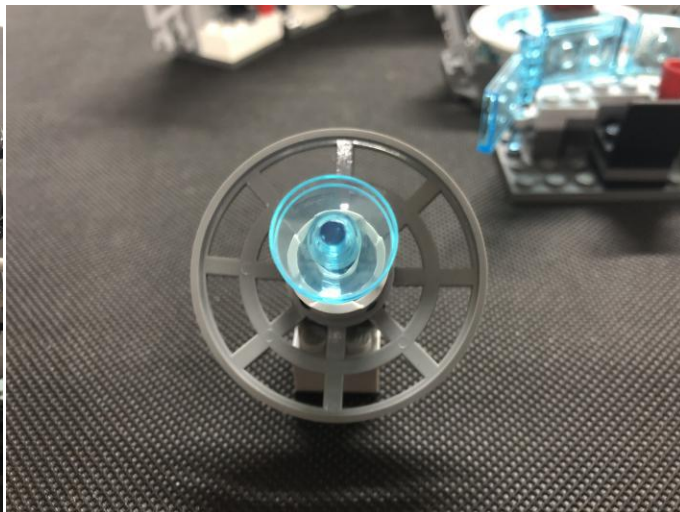
Take 5 warm white 15cm dot light, also repeat the steps above to install lights for the left 5 showrooms

Connect the cables of the lights to the expansion board as per below

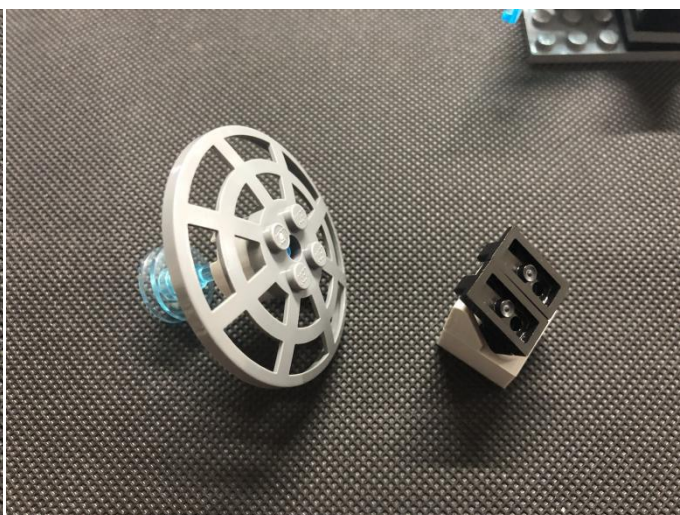




Move onto installing light for the signal tower. Remove the tower as per below

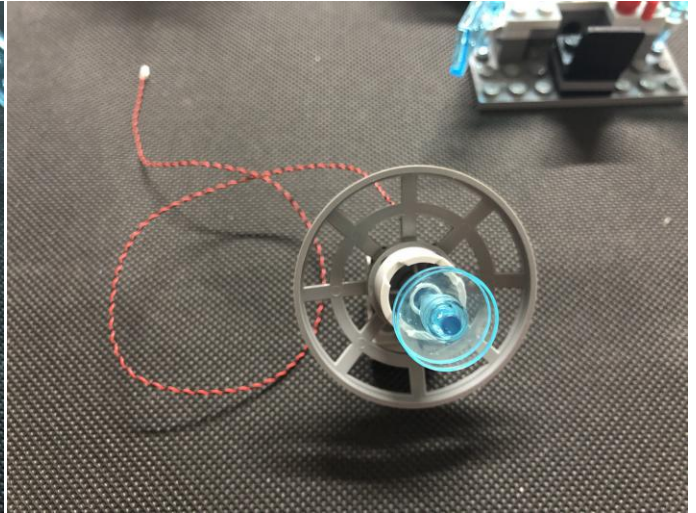
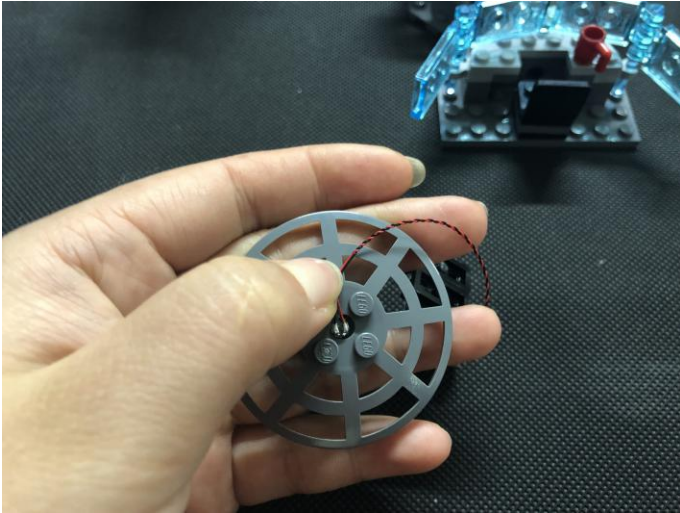


Take a white 15cm dot light, remove the following gray piece

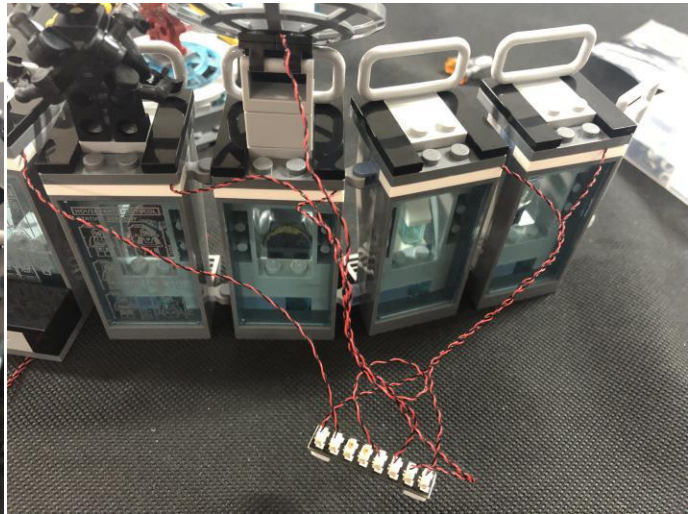
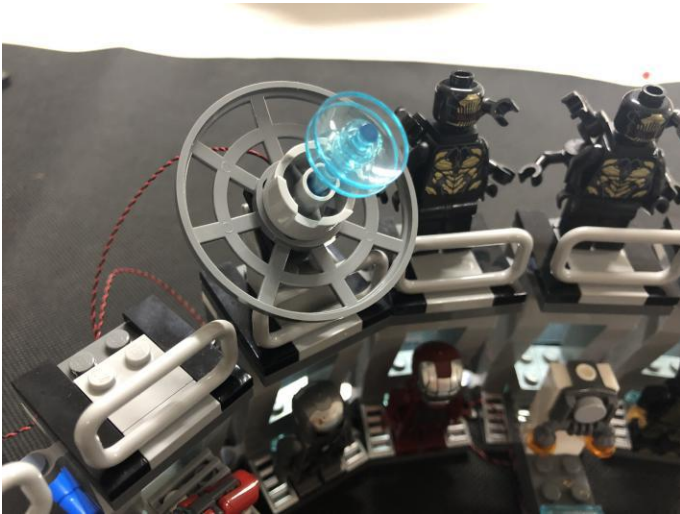


With lighting part facing up, connect the light to the center of the gray piece, reconnect this piece back





Reconnect the signal tower, connect the cable of the light to the expansion board

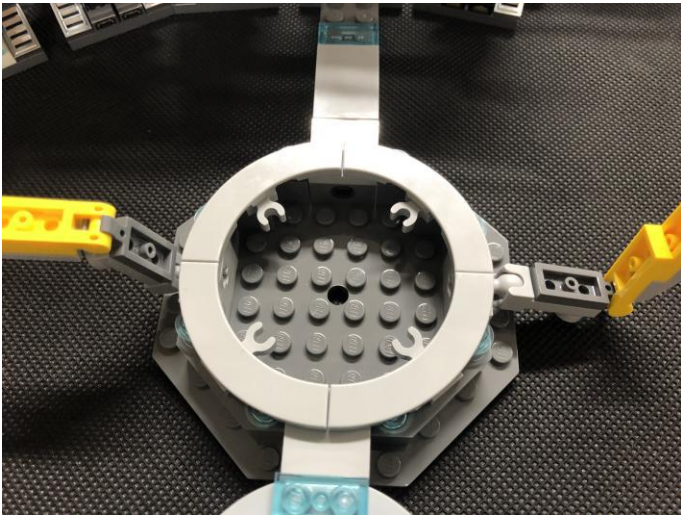
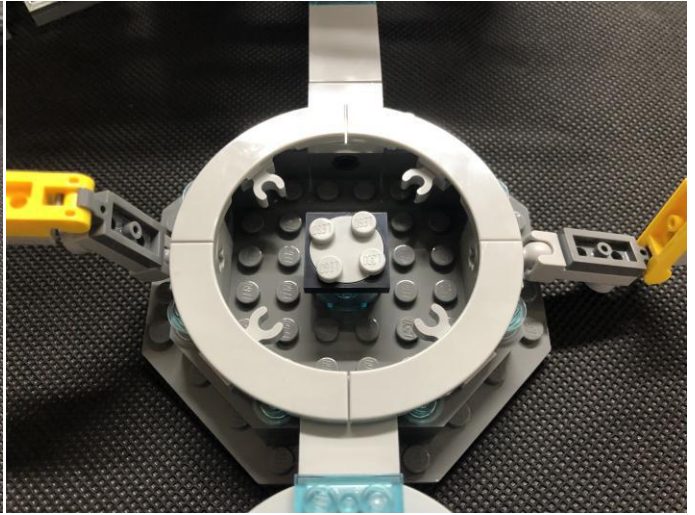


Start to install lights for the data analysis area

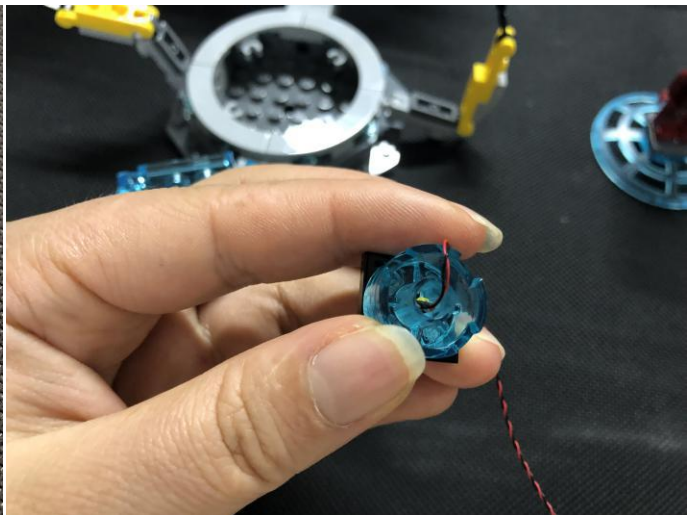


Open the forceps to help to remove the model with the blue round piece underneath. Remove the base.



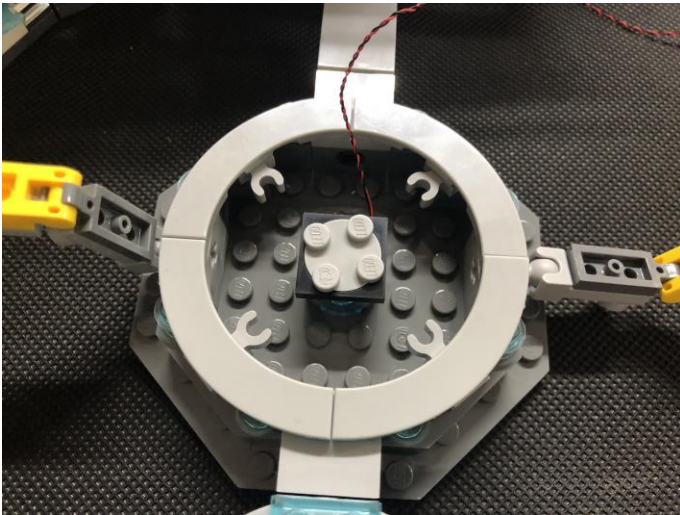


Take a flashing white 30cm dot light, with lighting part facing up, place it at the middle of the trans blue piece

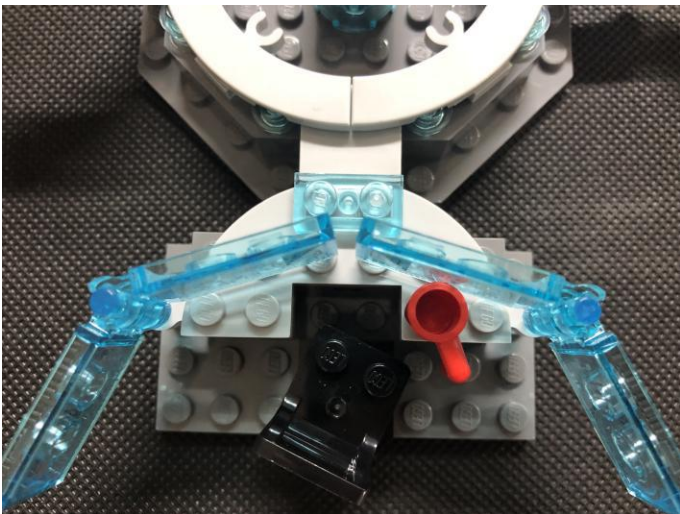


Reconnect the base

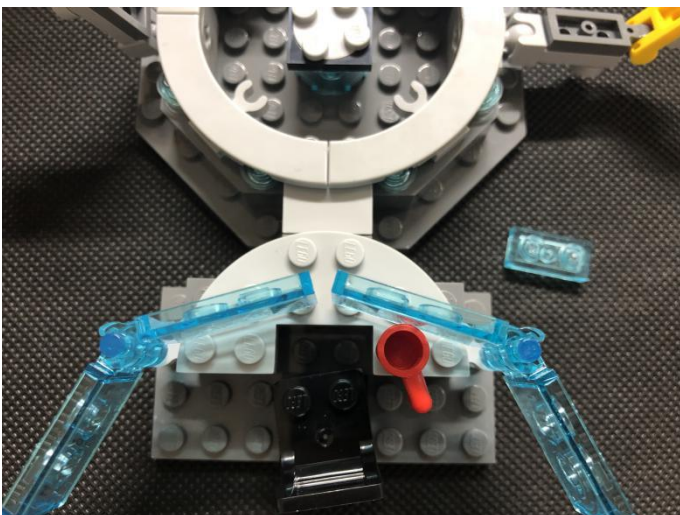




Install the light for the back of the computer

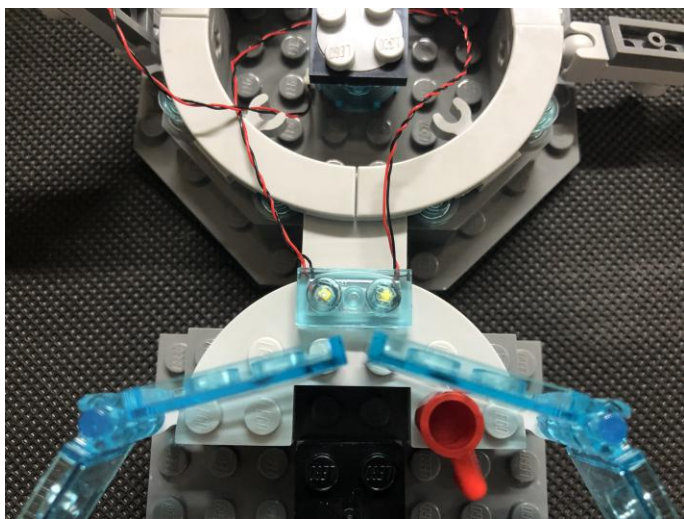


Remove the trans blue 1x2 piece

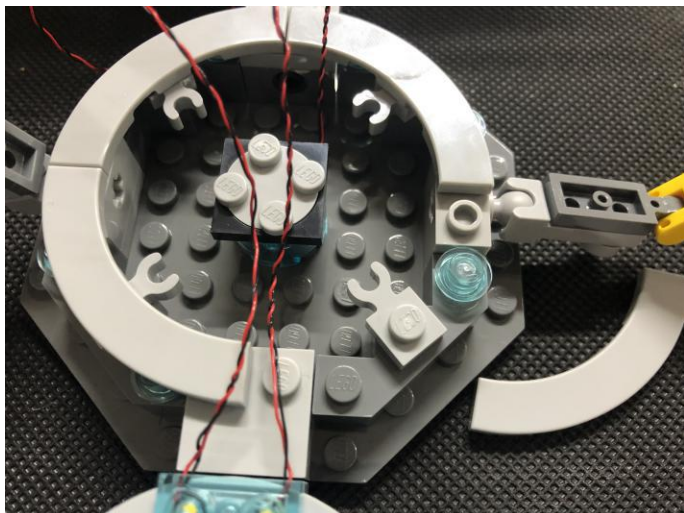


Take 2 white 30cm dot lights, with lighting part facing up, connect it to the trans blue piece, reconnect the trans blue piece



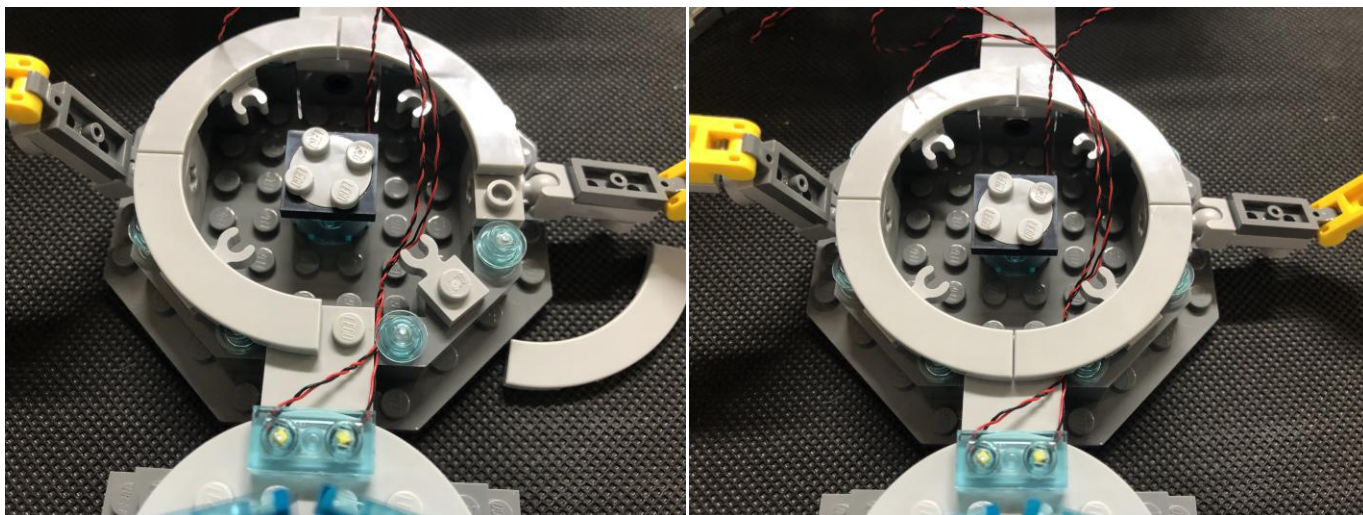


Remove the arc gray piece, the trans blue 1x1 round piece

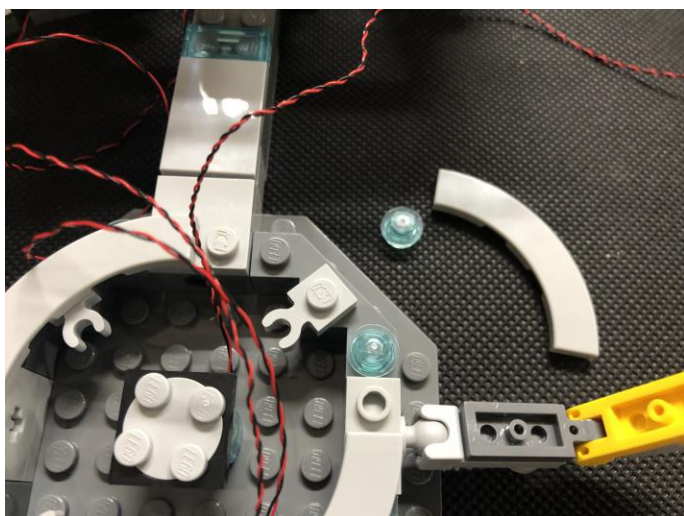


Secure the cable of the light at the back of the computer, reconnect the arc gray piece

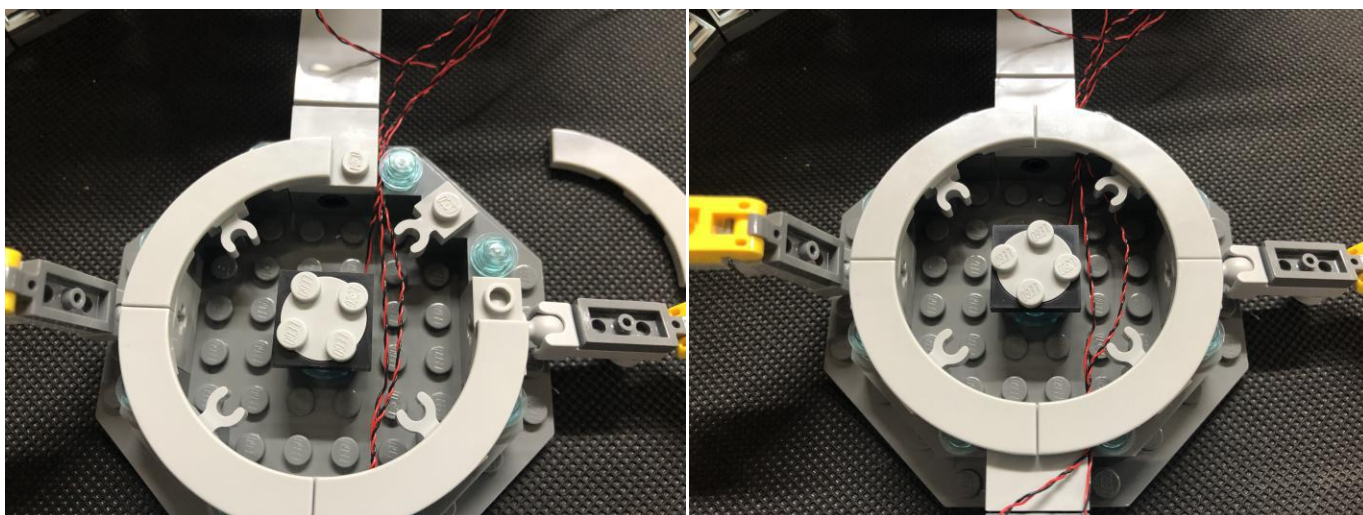




Remove another arc gray piece, a trans blue 1x1 piece

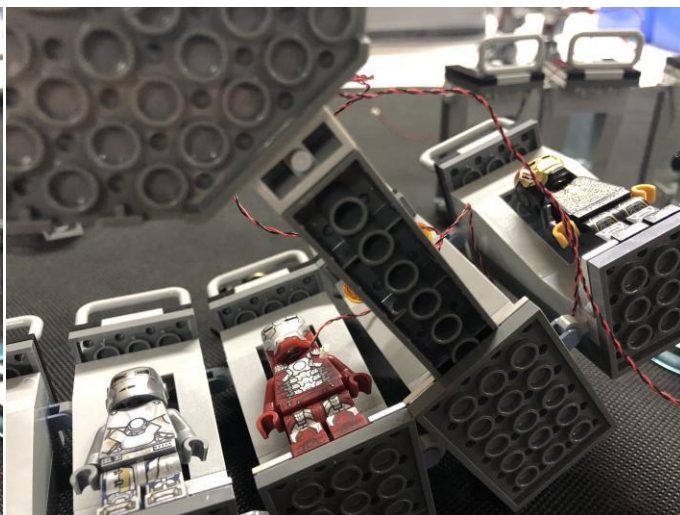
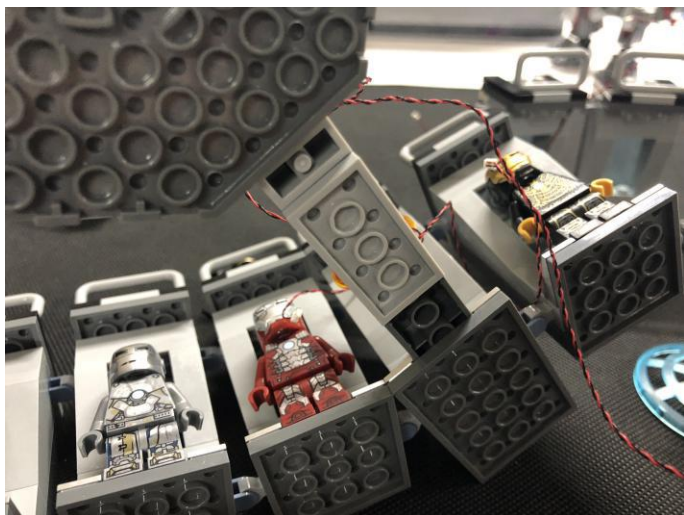


Secure the cables of the lights and the flashing lights with the 1x1 trans blue piece, reconnect the arc gray piece

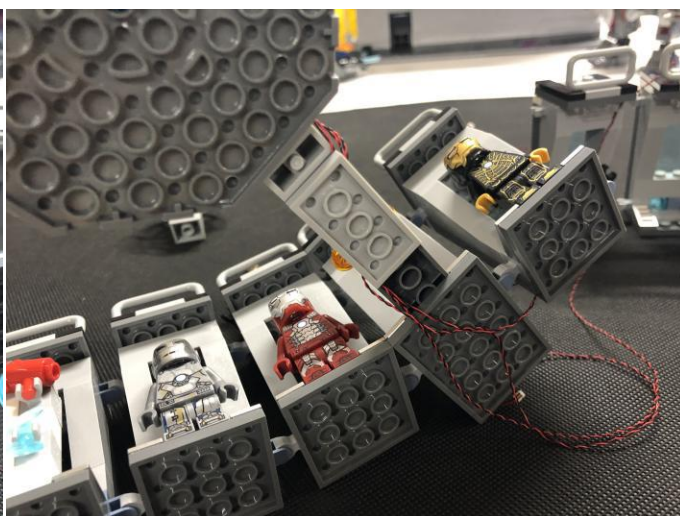
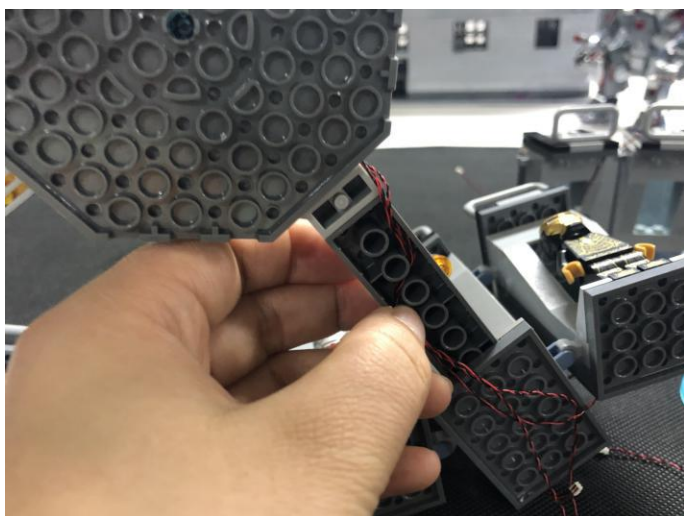


Turn the rooms over, remove the light gray 2x4 piece





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

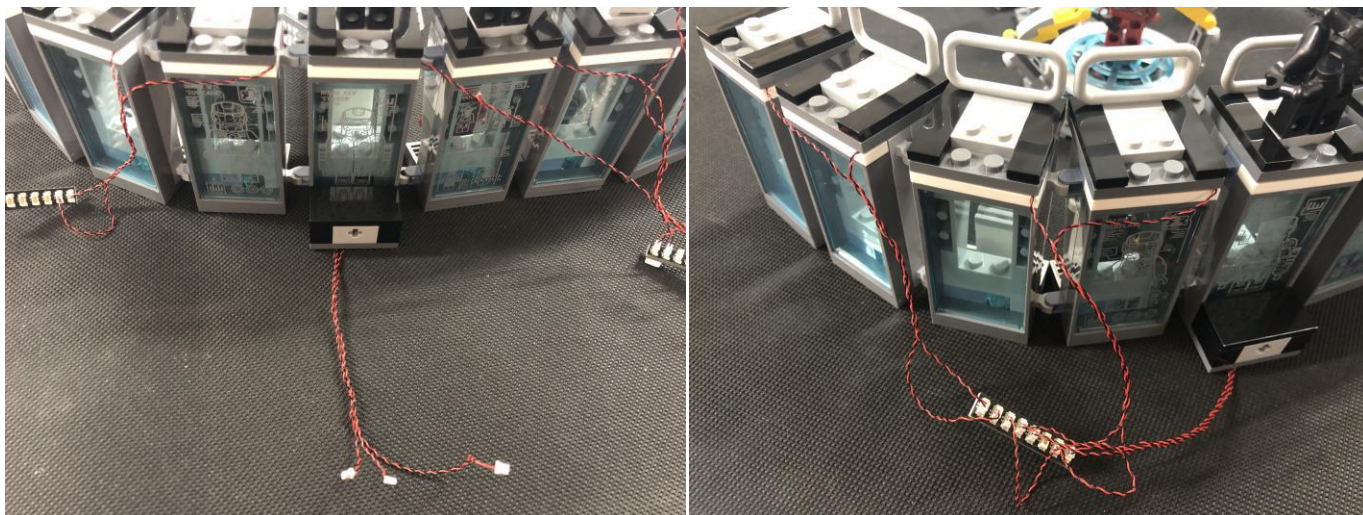


Reconnect the model

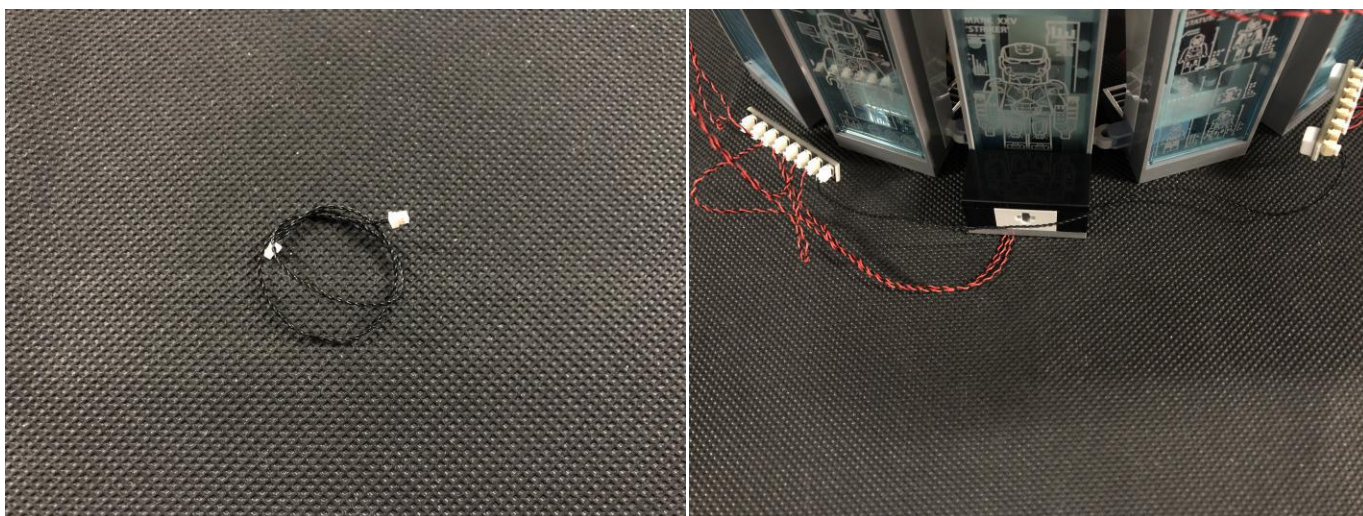


Connect the 3 cables to the expansion board.

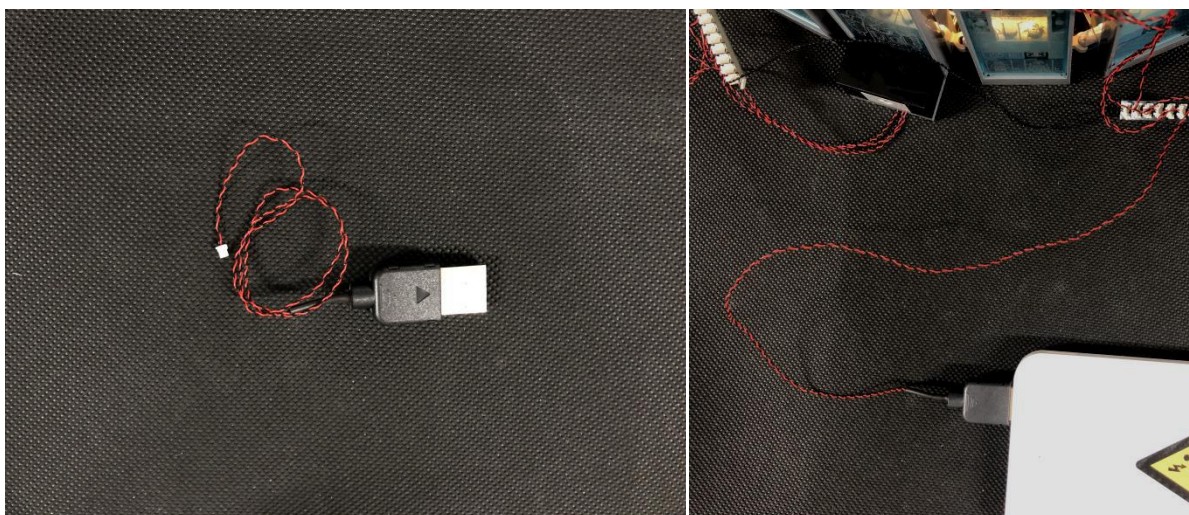




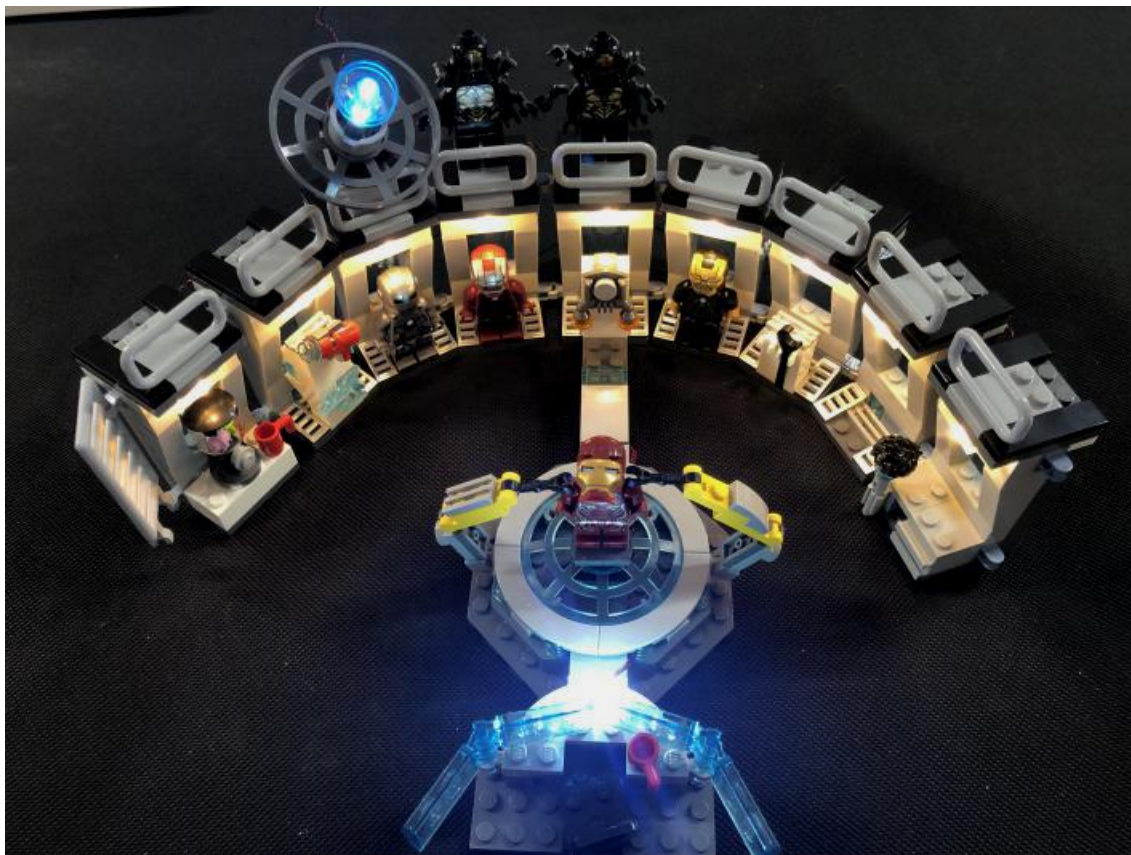
Take a 15cm connecting cable, connect the 2 expansion board together



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







This completes installation of this LED Lighting Kit. ENJOY!