

the_Statue_of_Liberty_21042 LED Lighting Kit

Pocket Contents:

- 2 X Warm White Strip Lights
- 16 X 30cm Warm White Dot Lights
- 4 X 15cm Warm White Dot Lights
- 1 X USB Power Cable
- 1 X 5cm Connecting Cable
- 1 X 15cm Connecting Cable
- 2 X 30cm Connecting Cables
- 2 X 8-Port Expansion Boards
- 1 X 12-Port Expansion Board

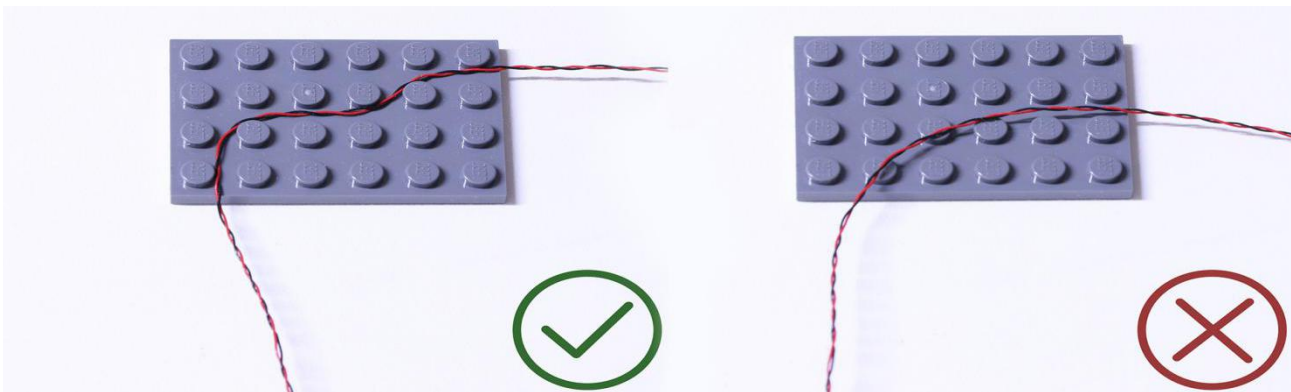
Others:

- 30 X Adhesive Squares
- LEGO Plate Pieces

Note:

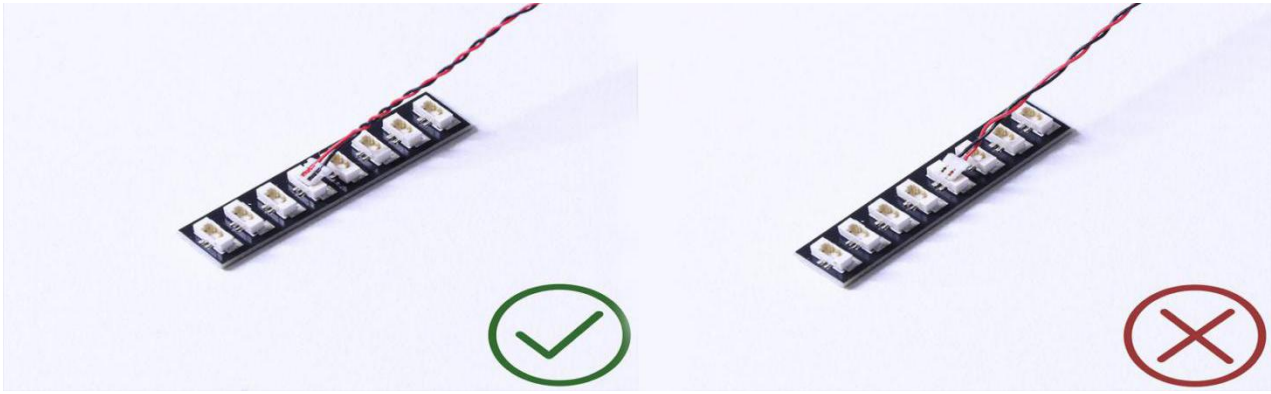
Place wires on the surface or under the LEGO building blocks.

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

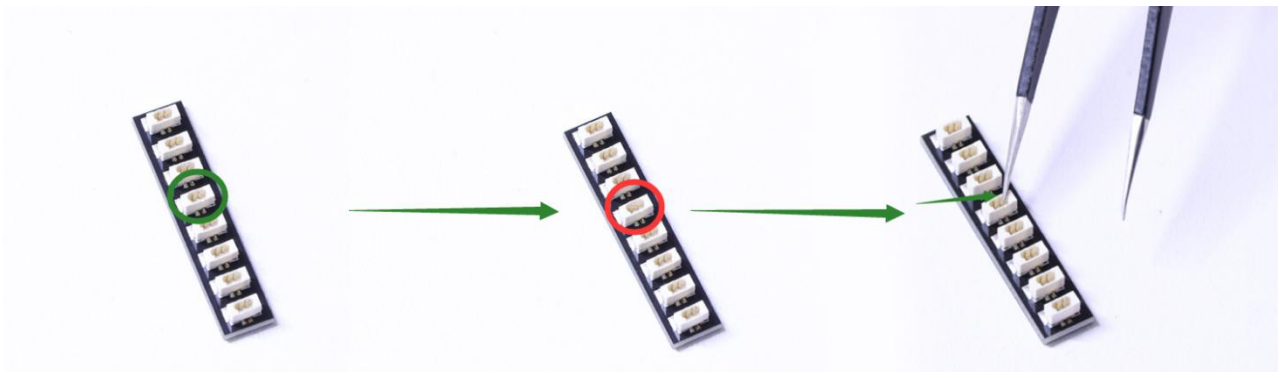


Insert the connectors to the ports.

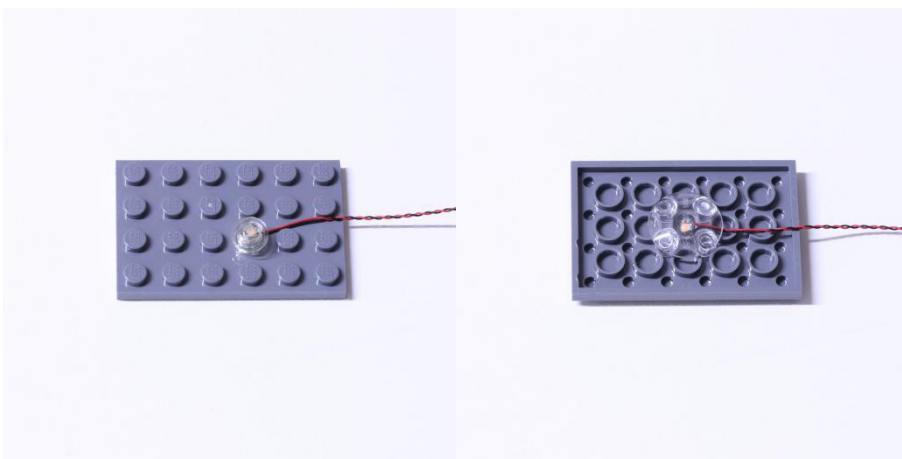
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, 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.

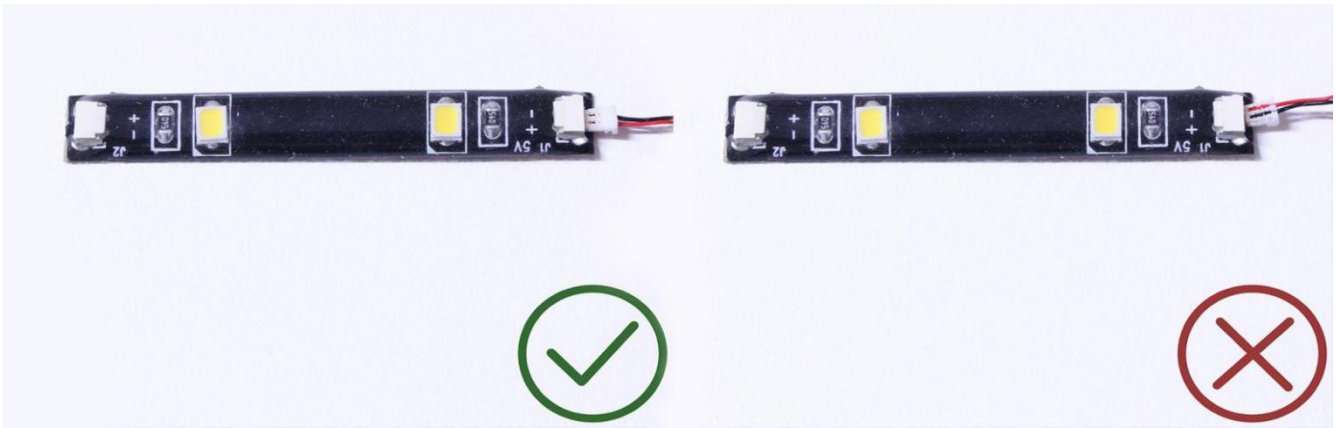


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

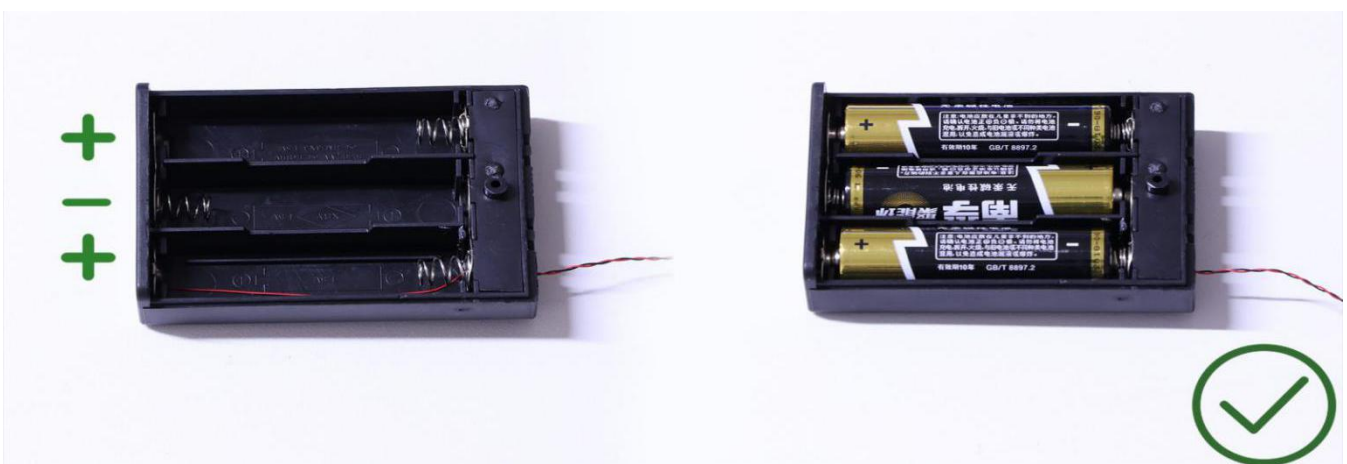


Connecting cable connectors to Strip Lights

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.

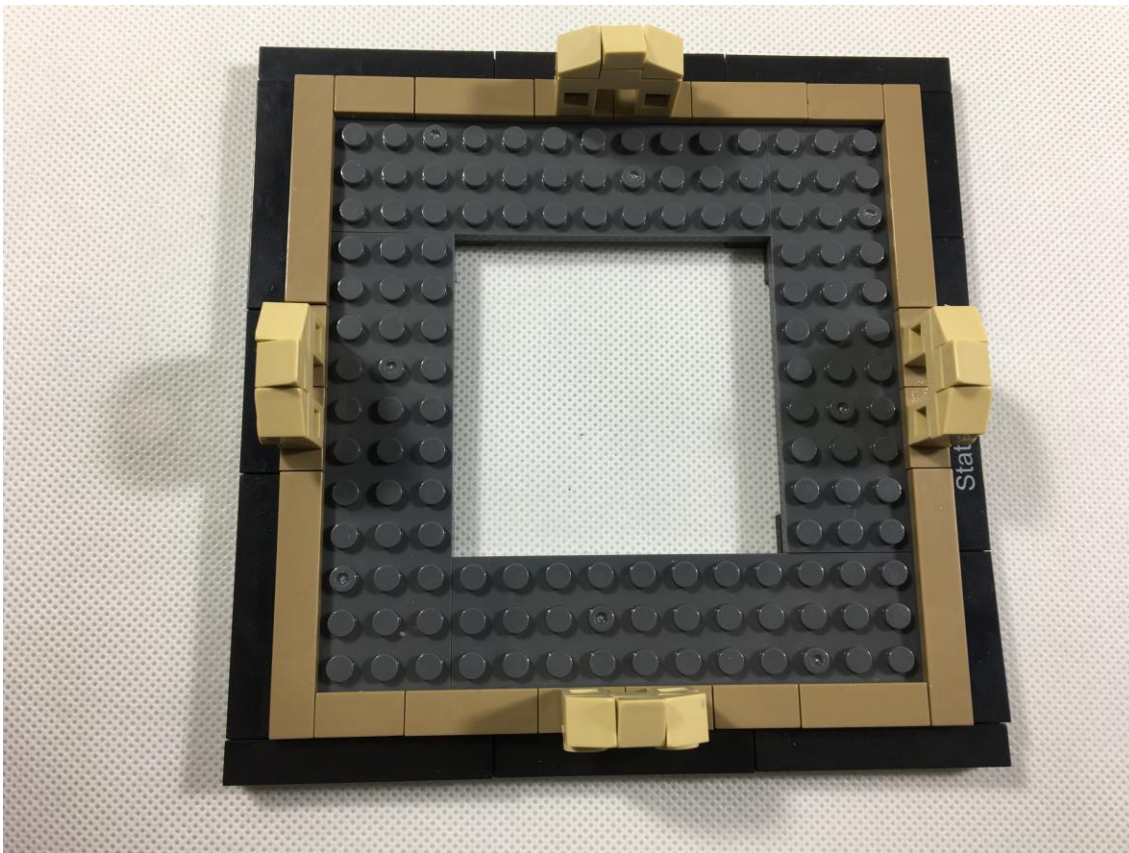
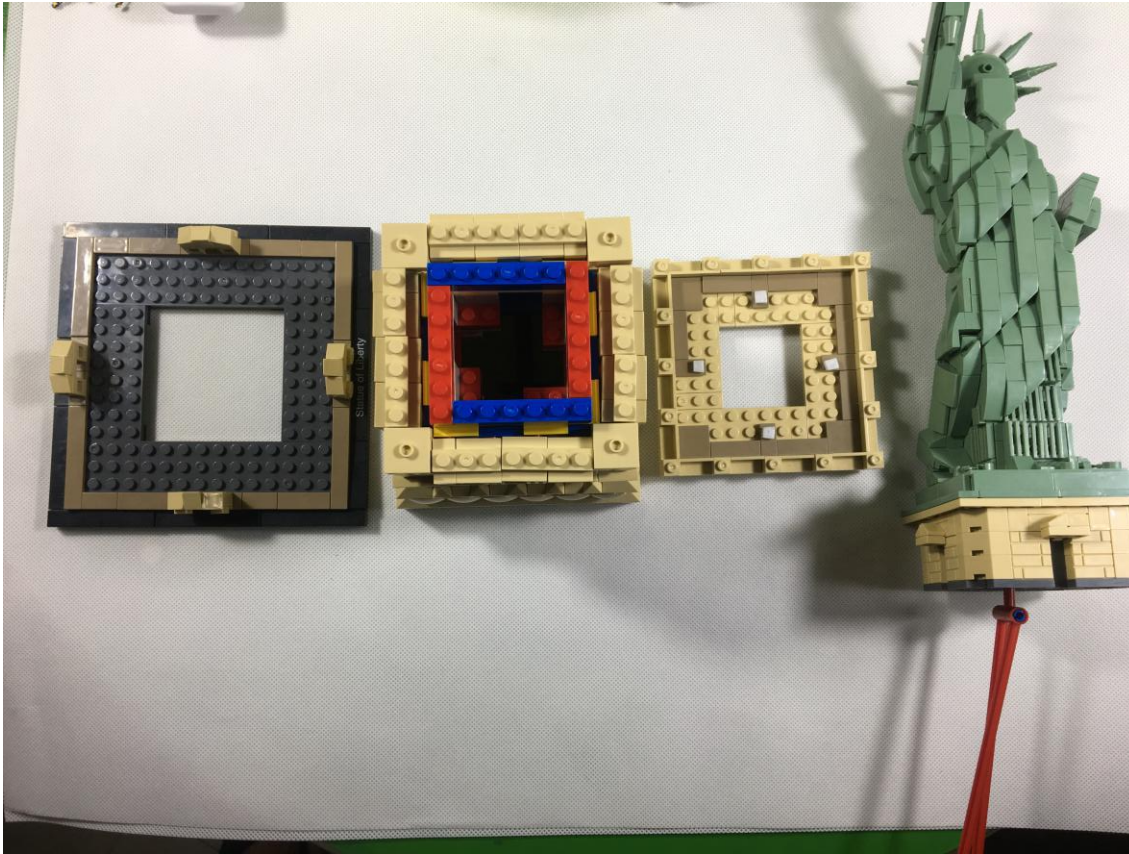


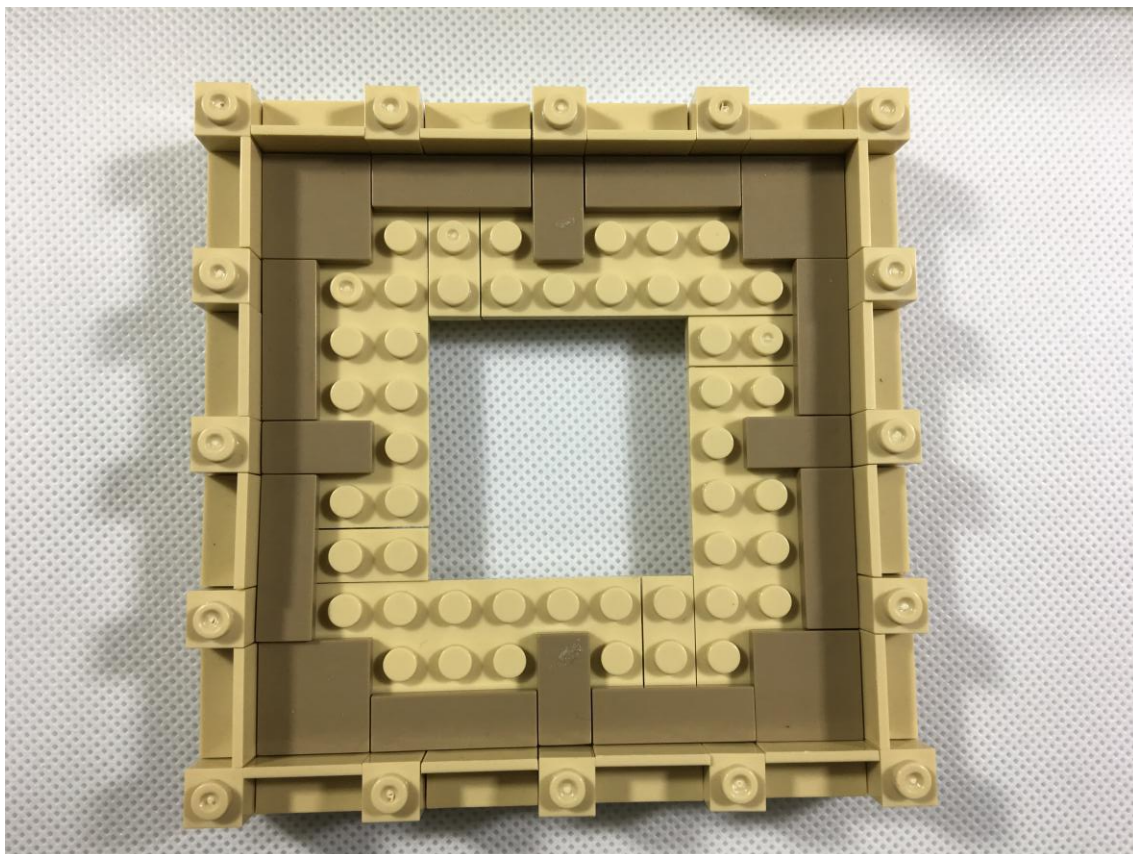
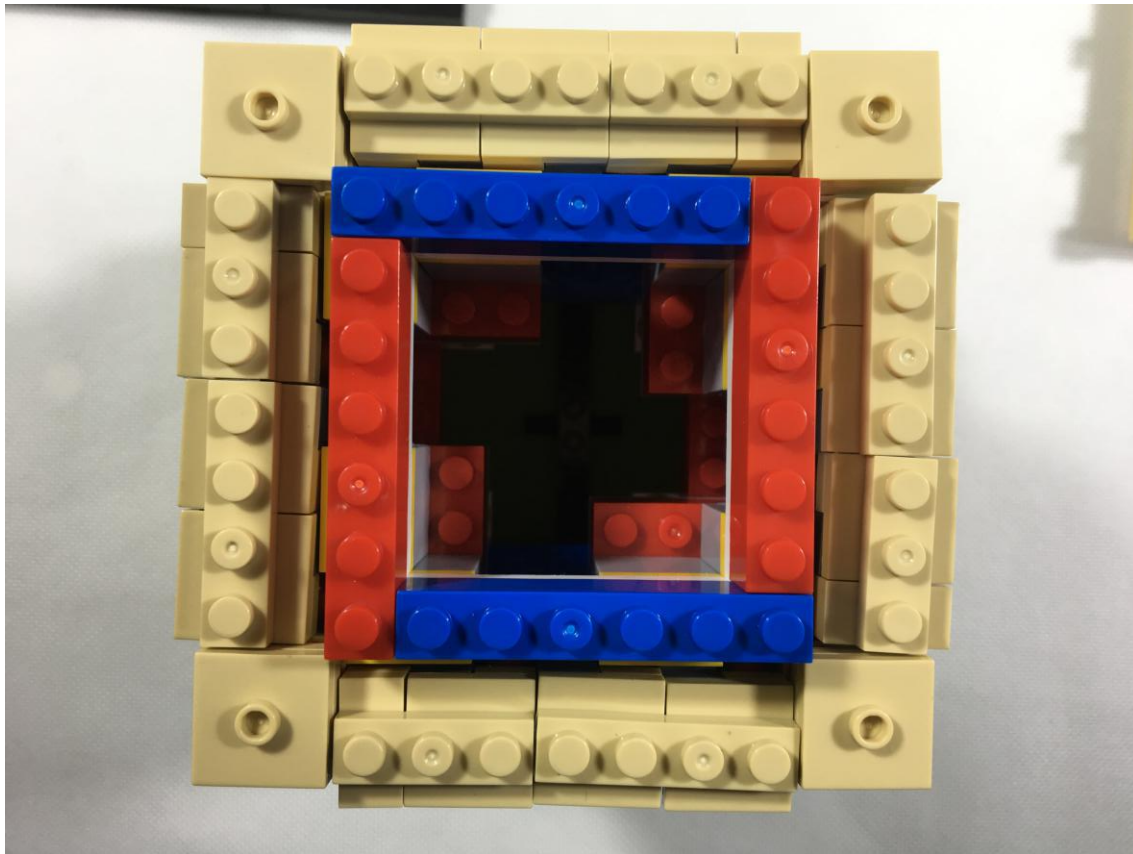
Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.

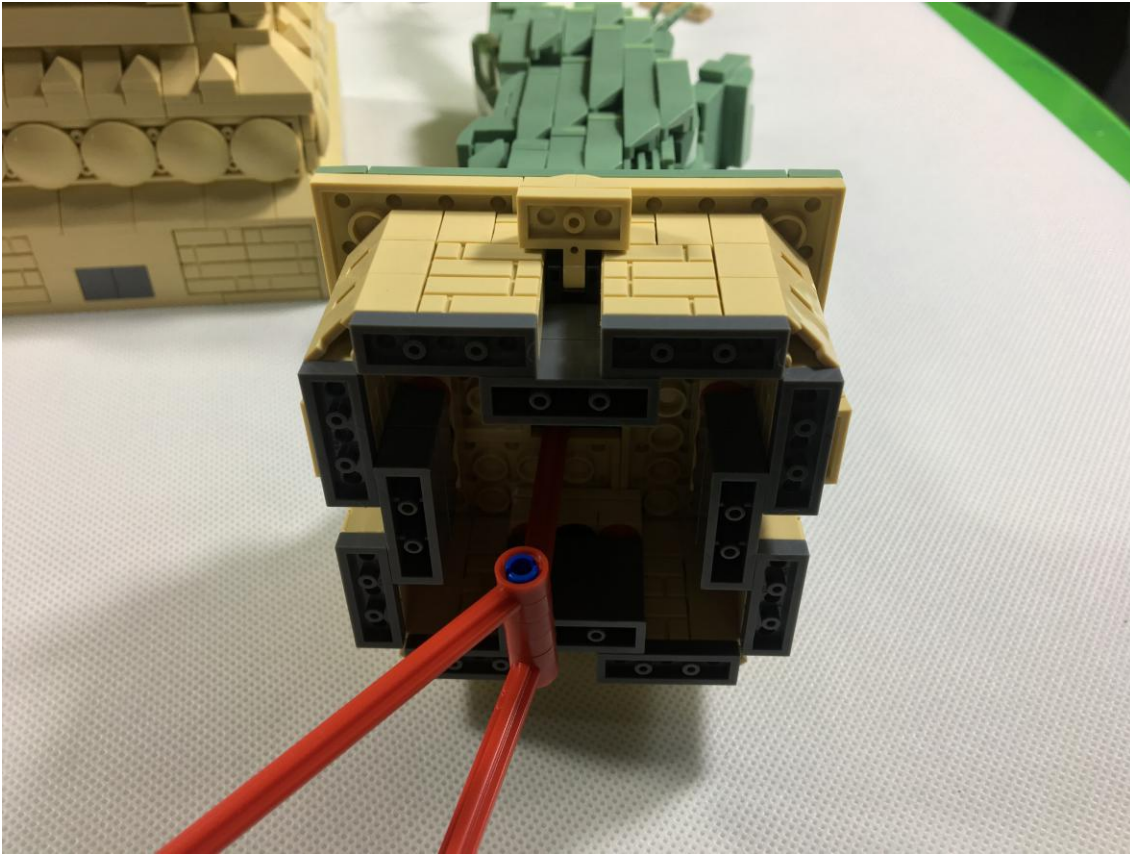


OK, Let's Begin!

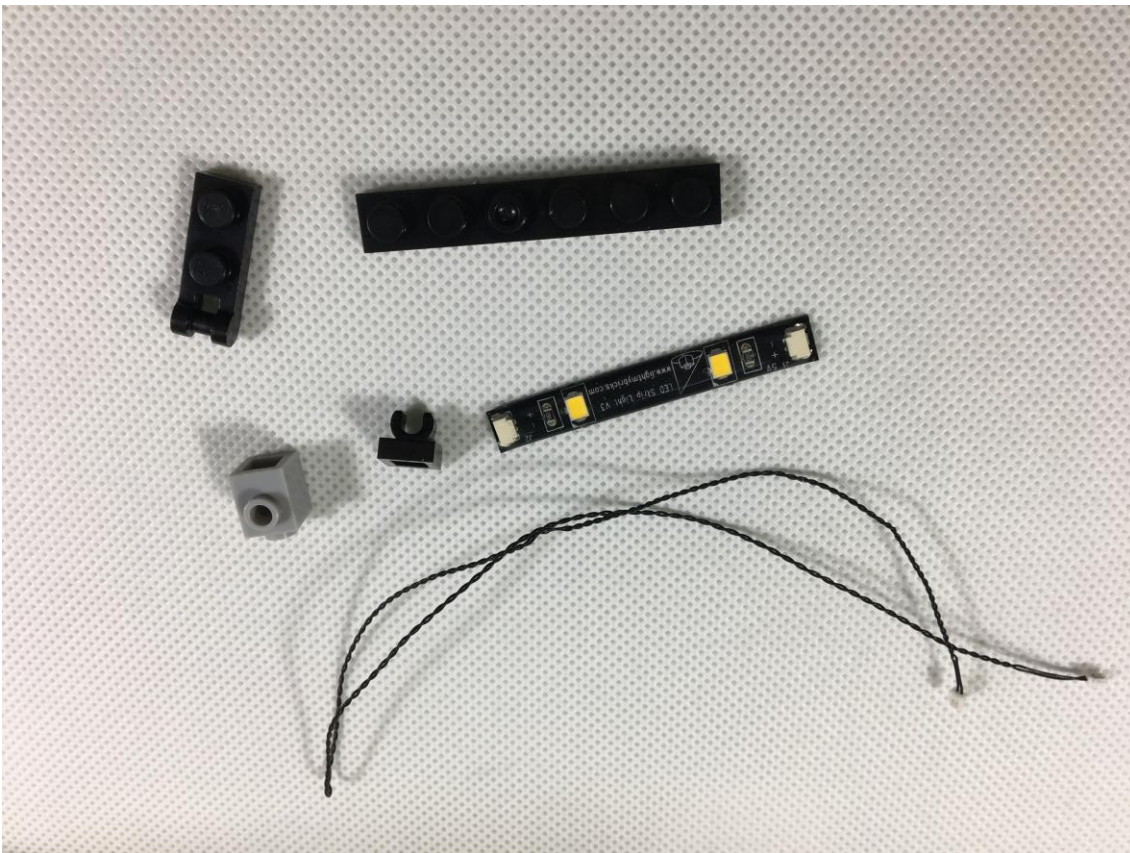
1. As shown blew, the building blocks are divided into 4 pieces.

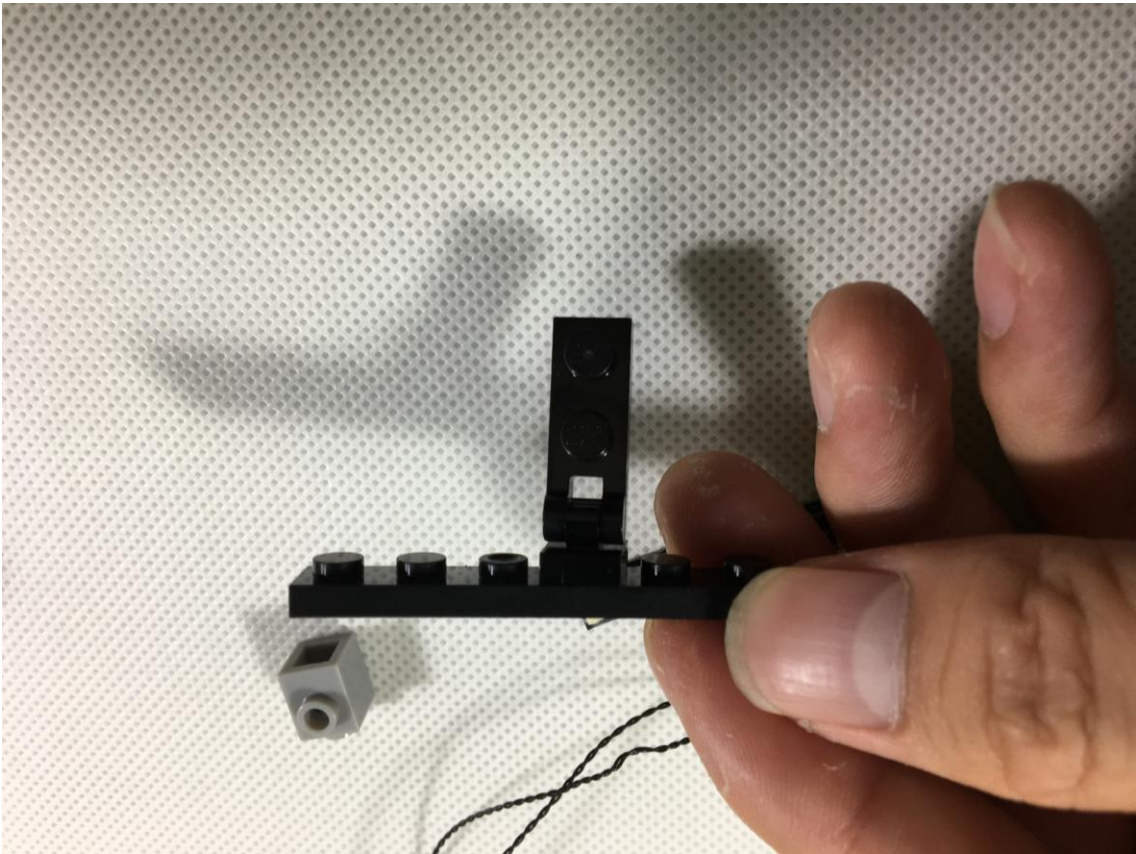
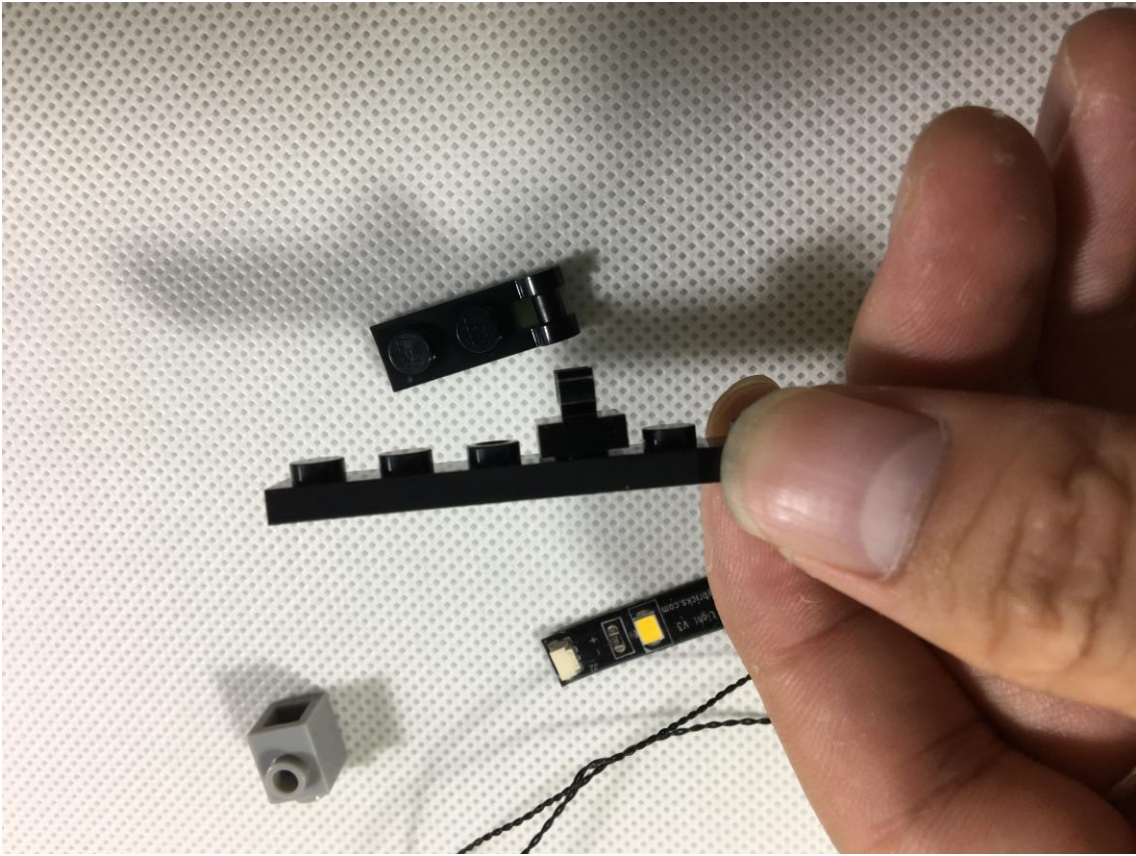


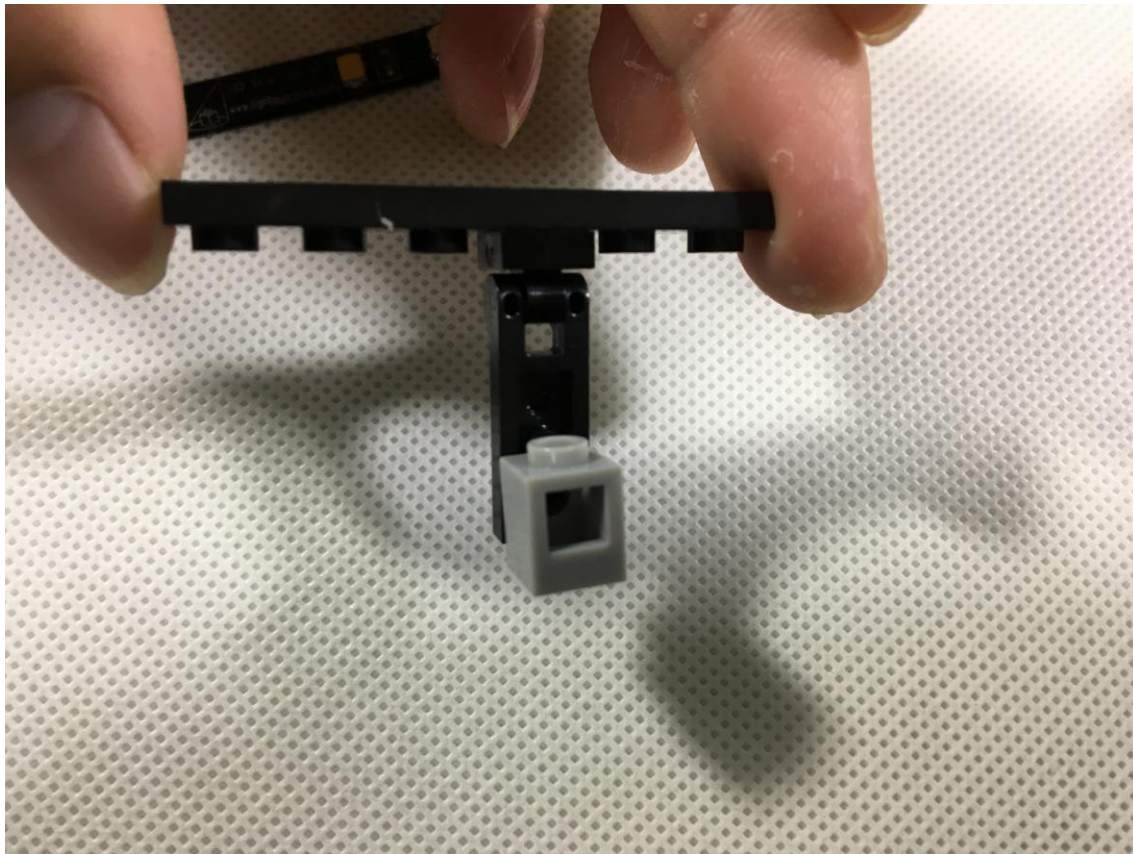


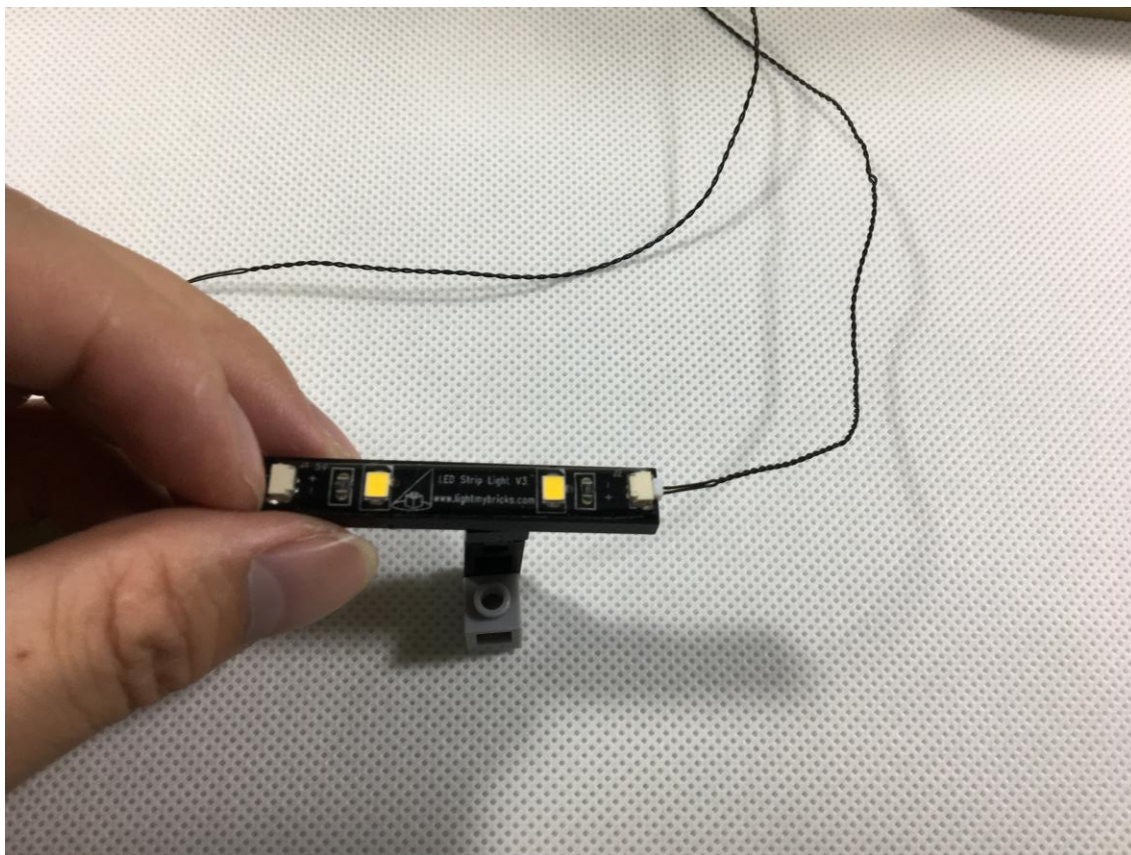


Take a 30cm cable, warm white strip light, and the LEGO pieces to make a projection lamp.

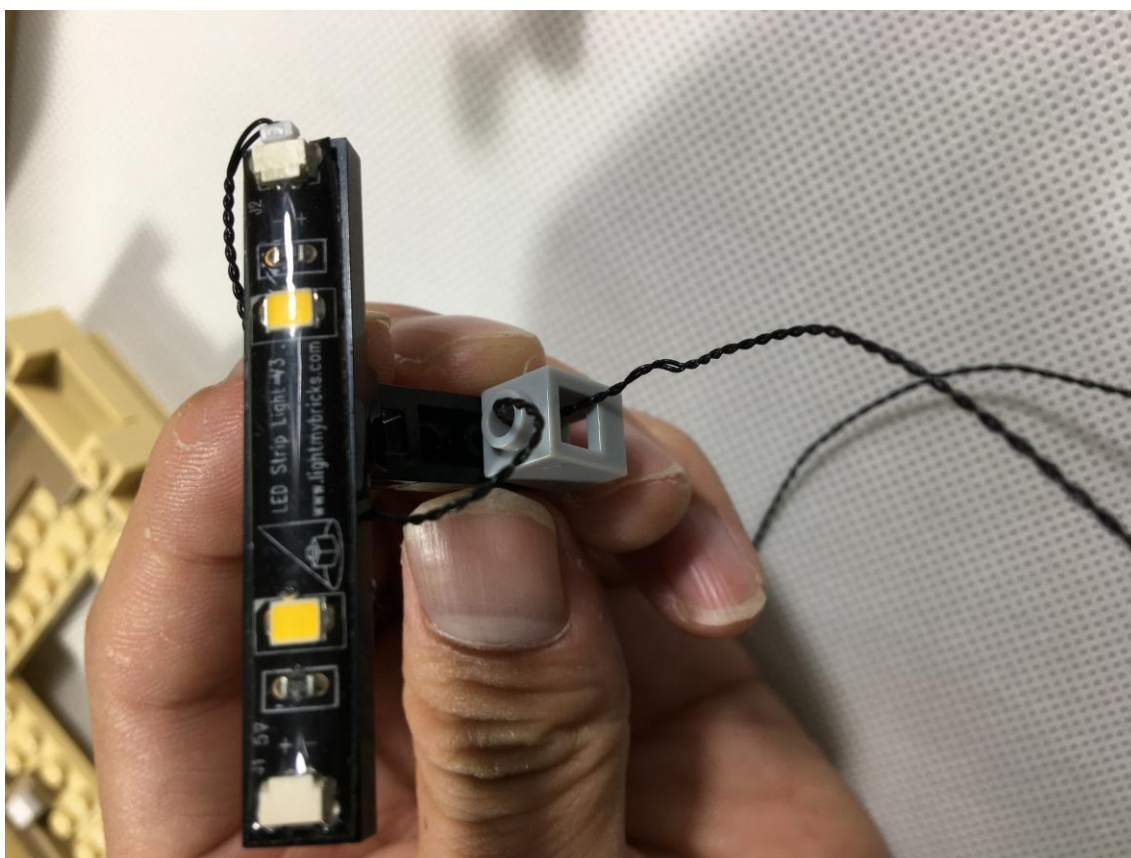




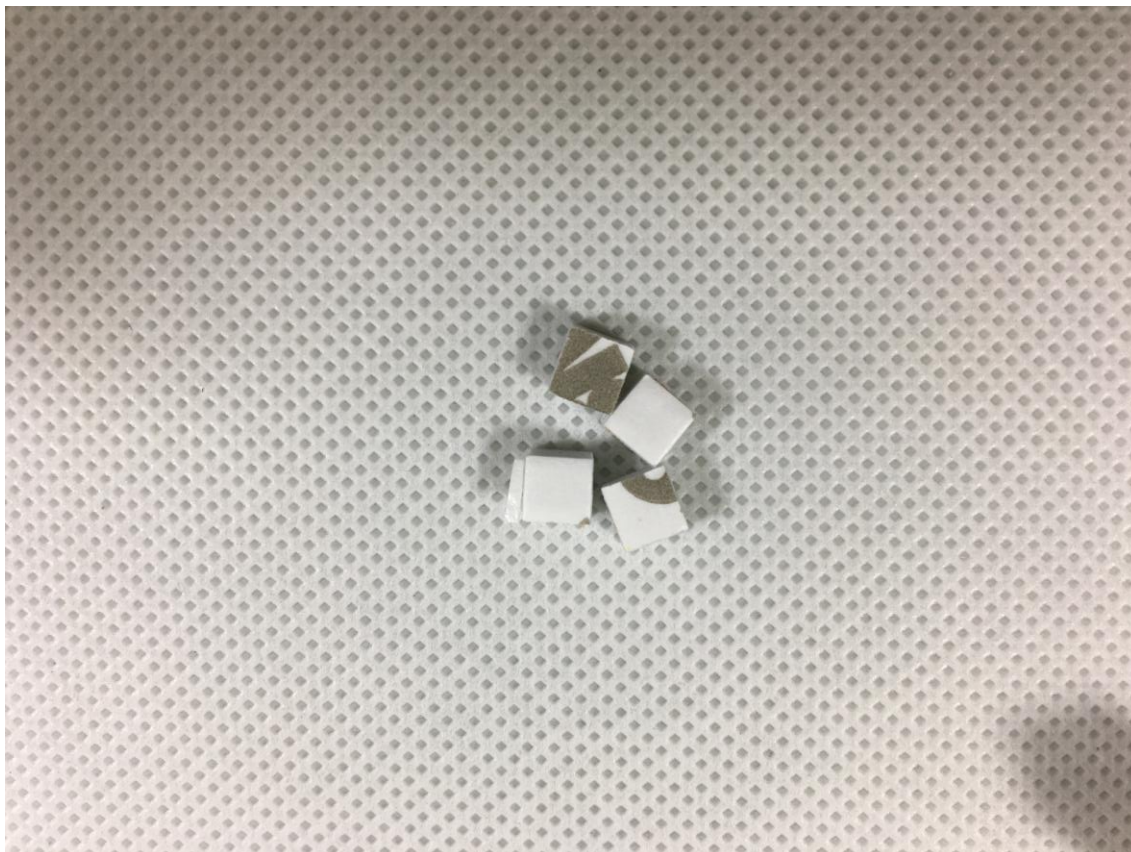




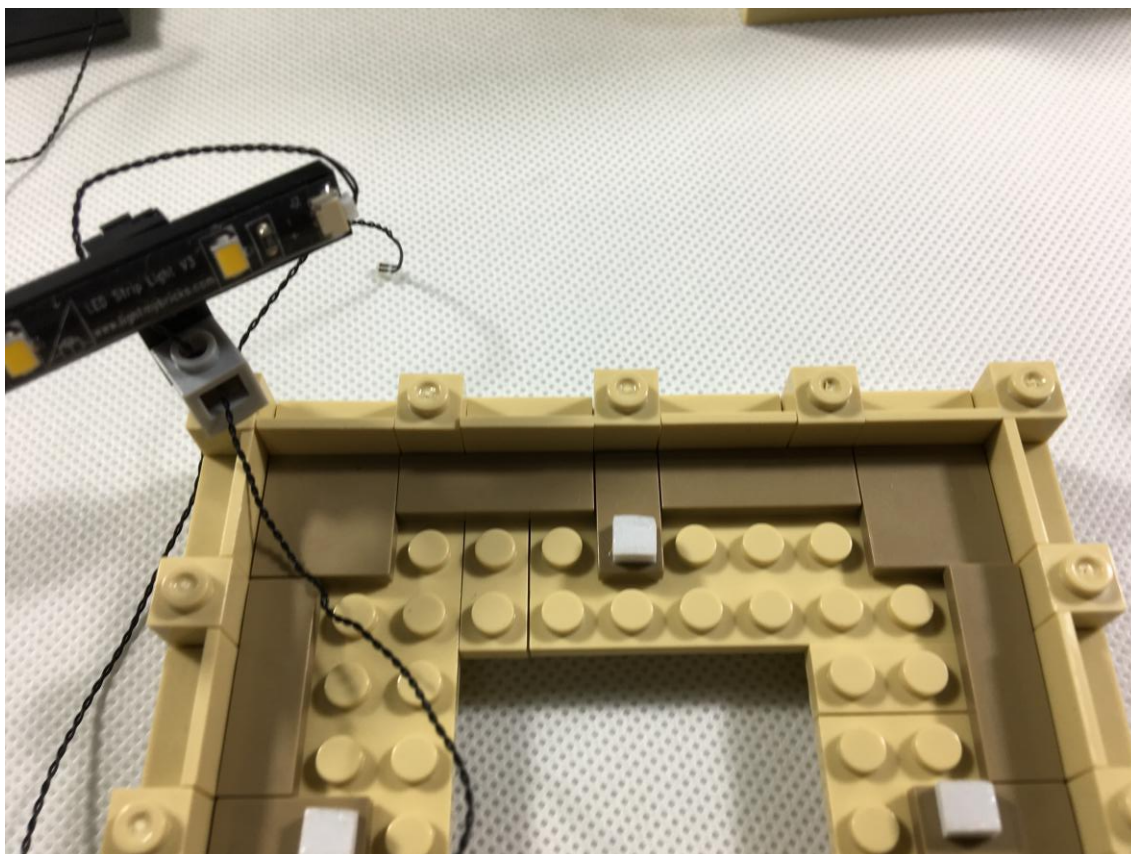
Pay attention to the position of cable. Thread into the small hole of the piece out of the hole below



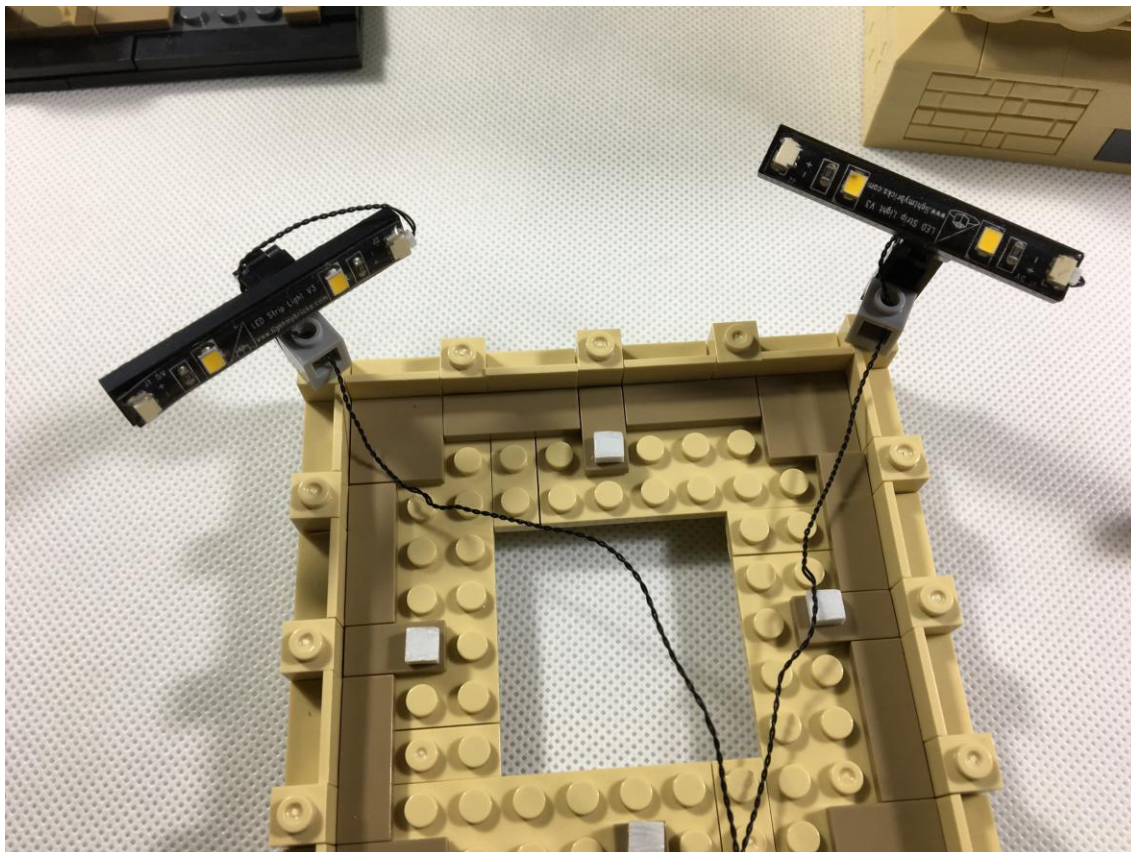
Take adhesive squares.



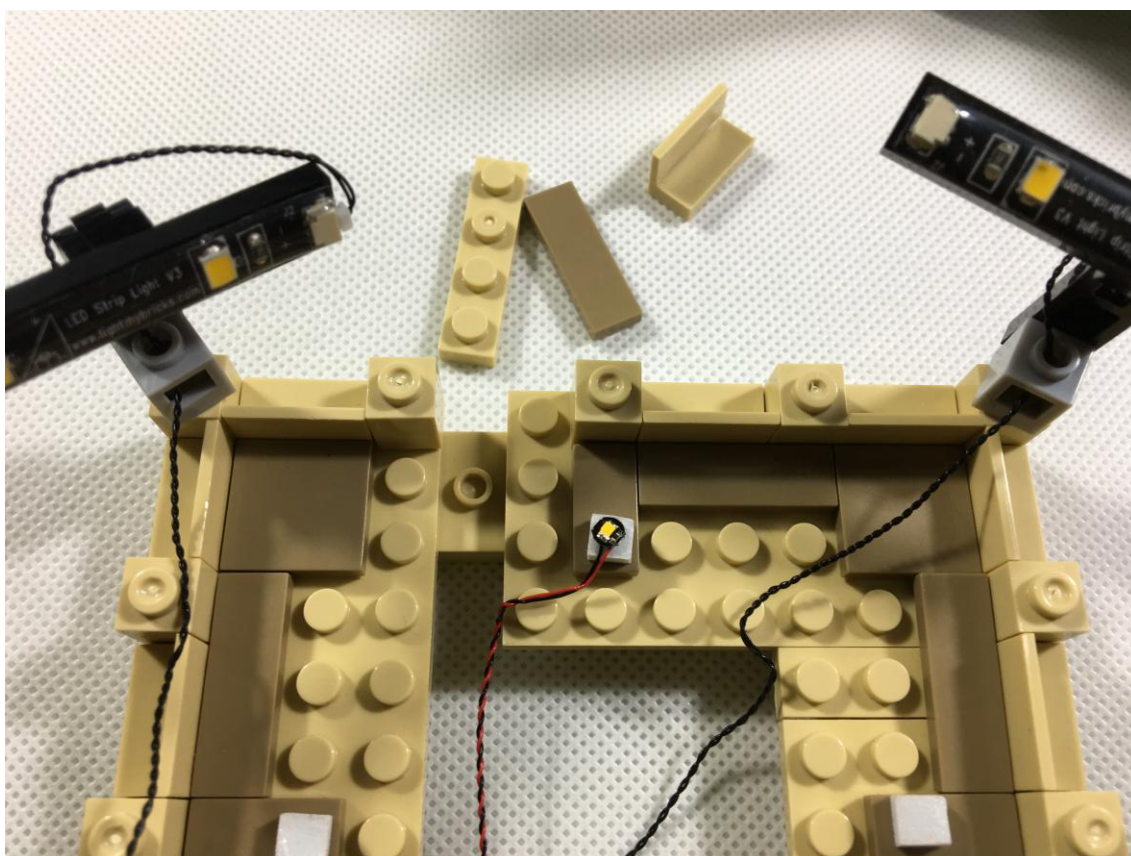
Install the lamp and adhesive squares in the position of the picture.

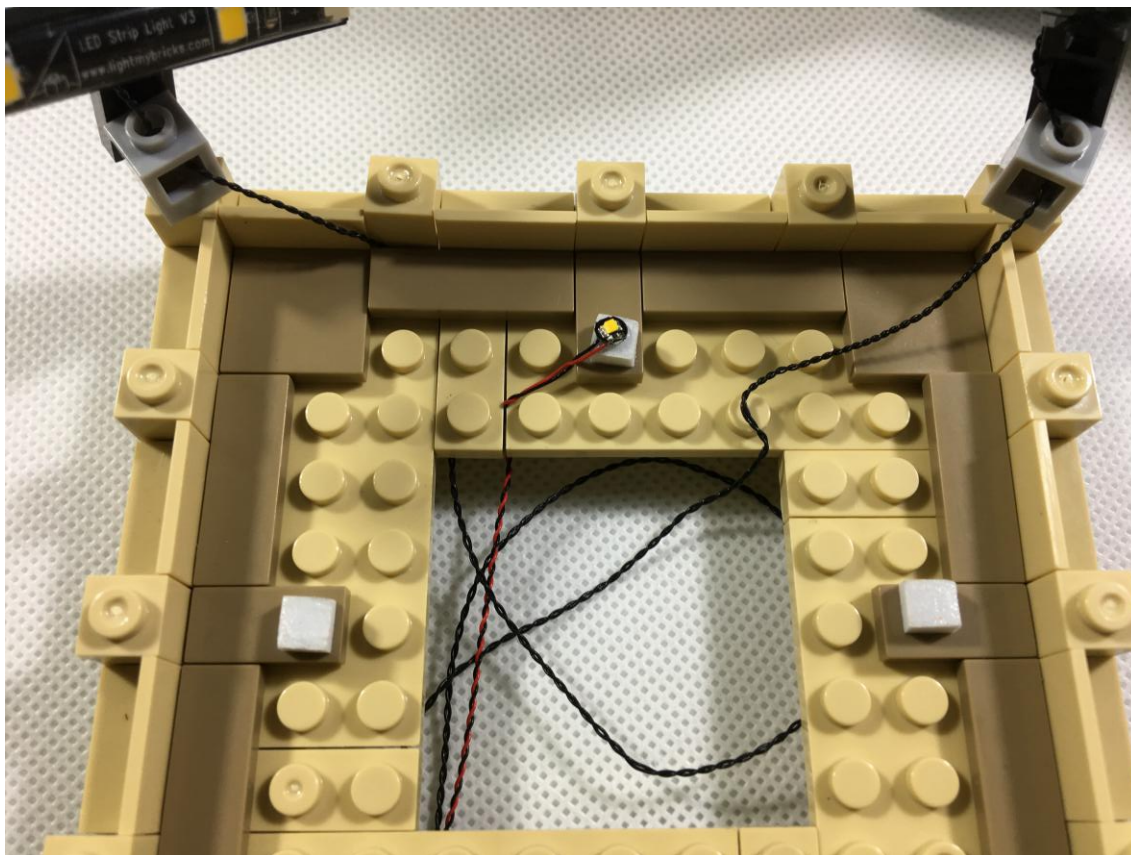


Repeat previous process to install another lamp and mount it on the bricks.

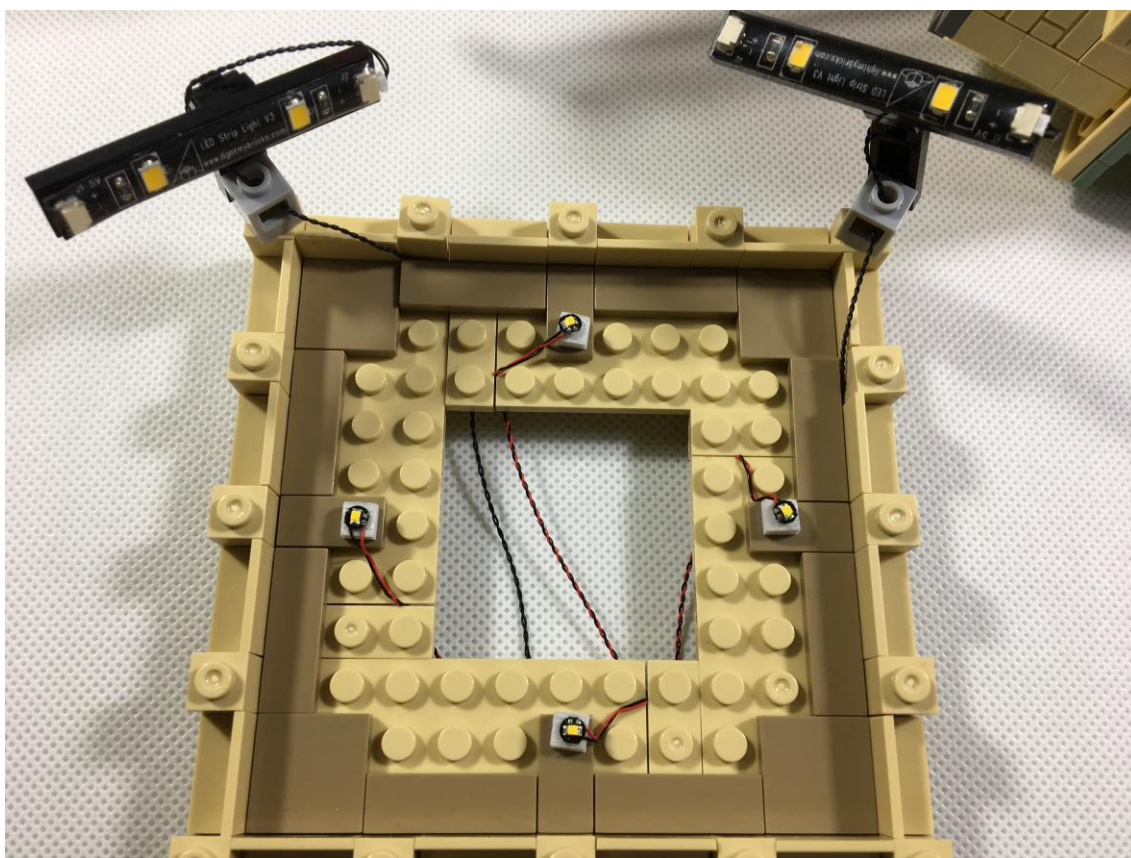


Remove the pieces as shown blew, and take out four 30cm warm white Dot Lights. The back side of the light is attached to the double-sided tape. The cable of the projection lamp and the Dot Light are pressed under the plate. Note that the cable should be placed between the studs.



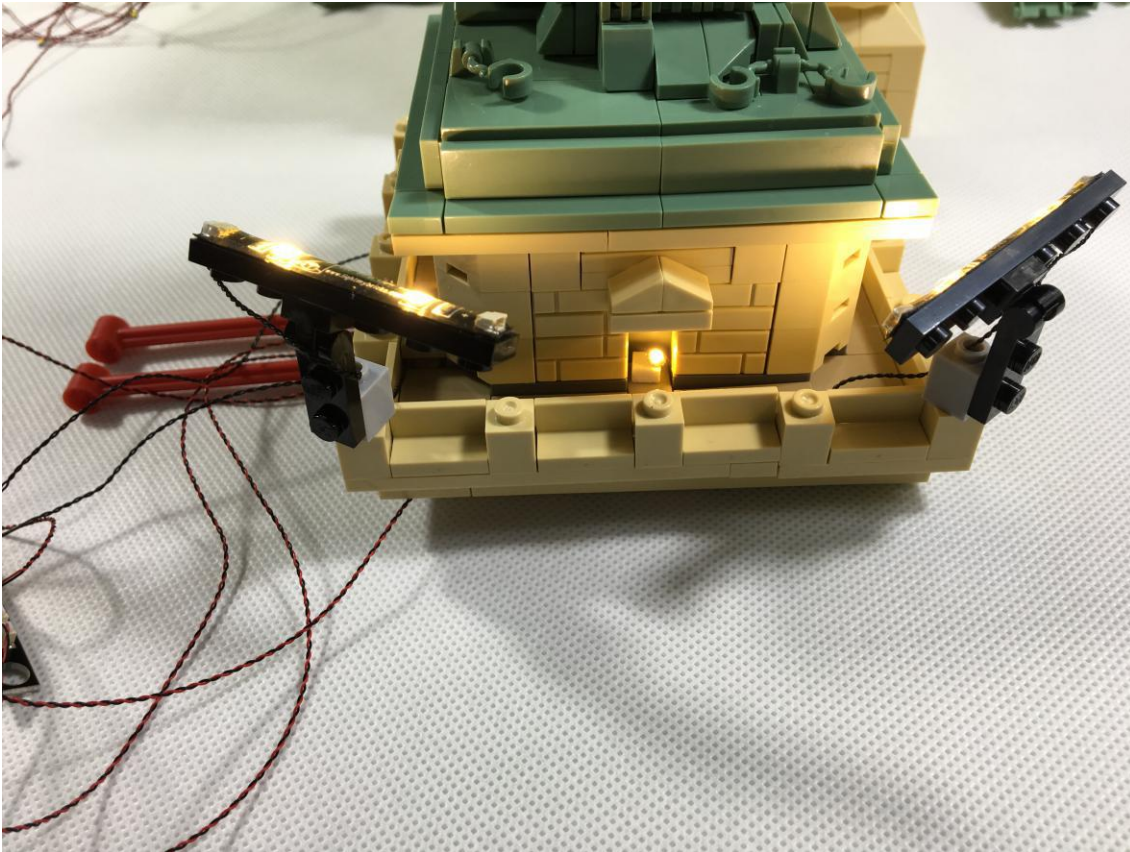


Install the other three Dot Lights.

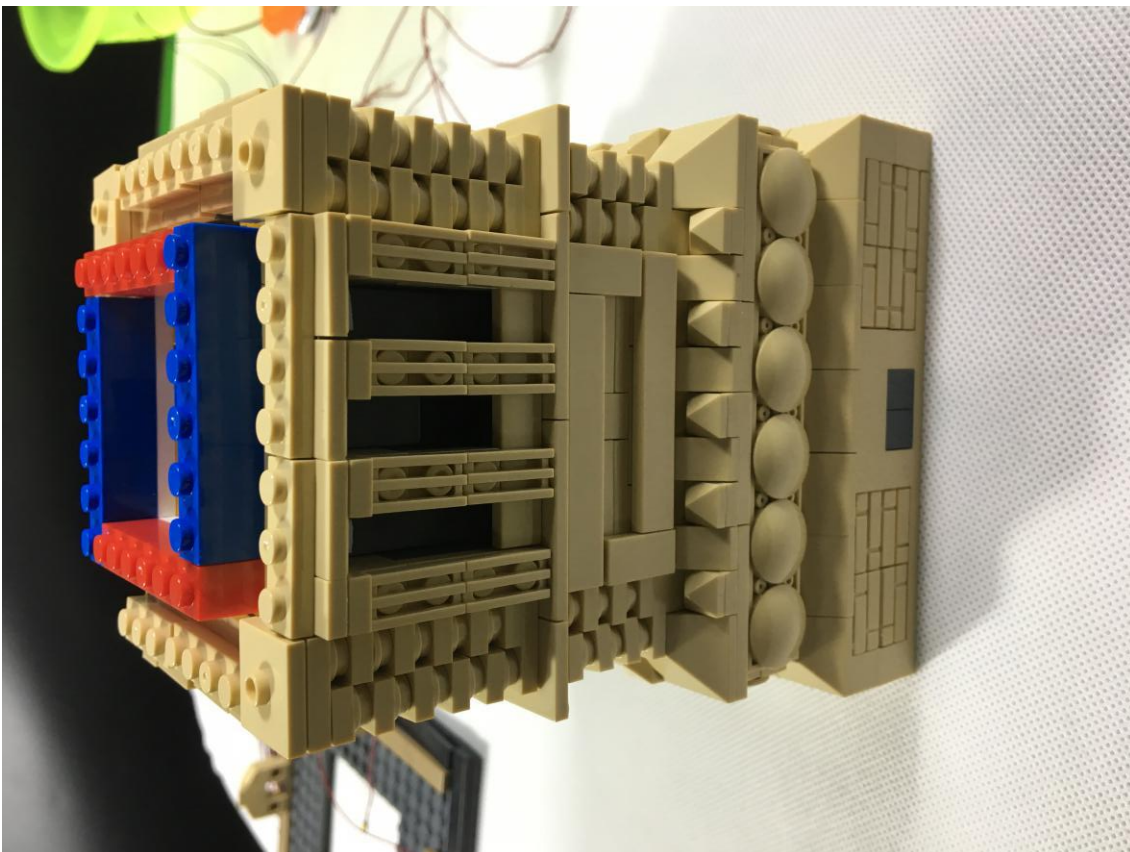


A photograph of a LEGO Technic model, possibly a house or structure, with a black motor or actuator attached to its side. Red and black wires are connected to the motor and run across the surface. The model is built using tan and green Technic bricks.

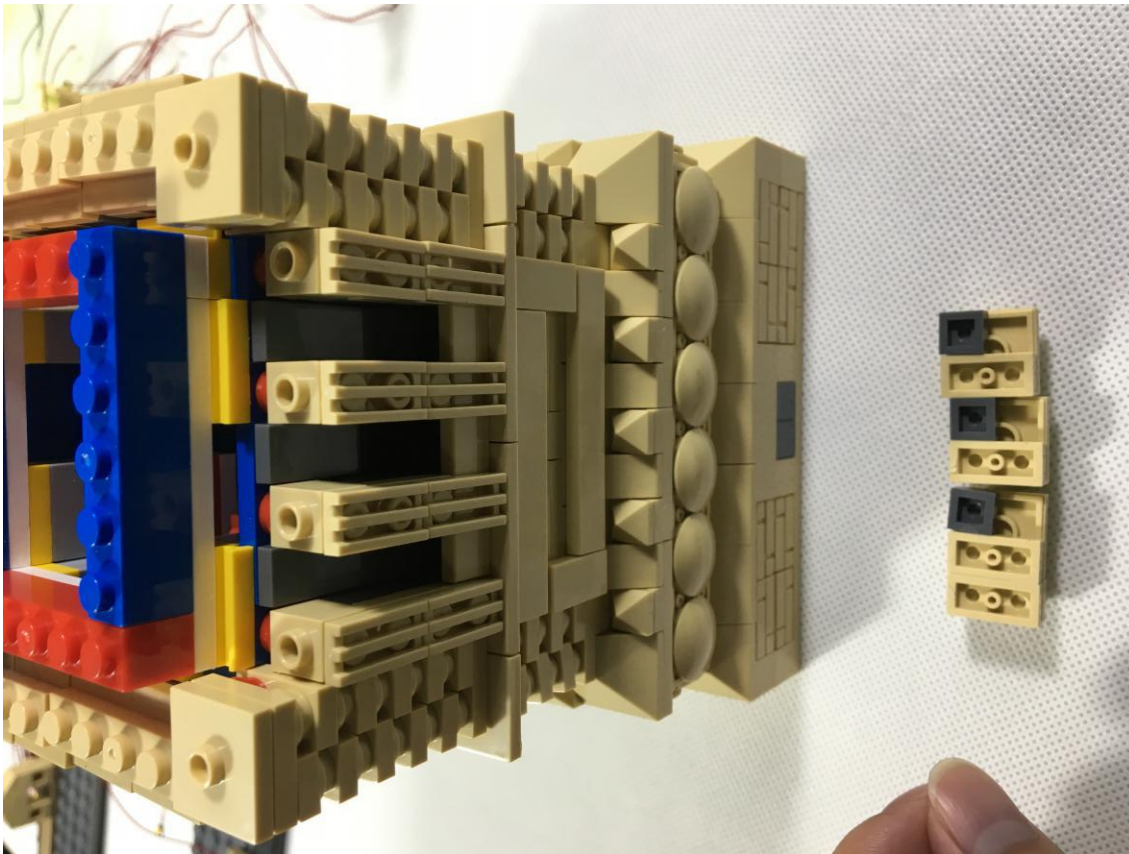
We have installed the first half.



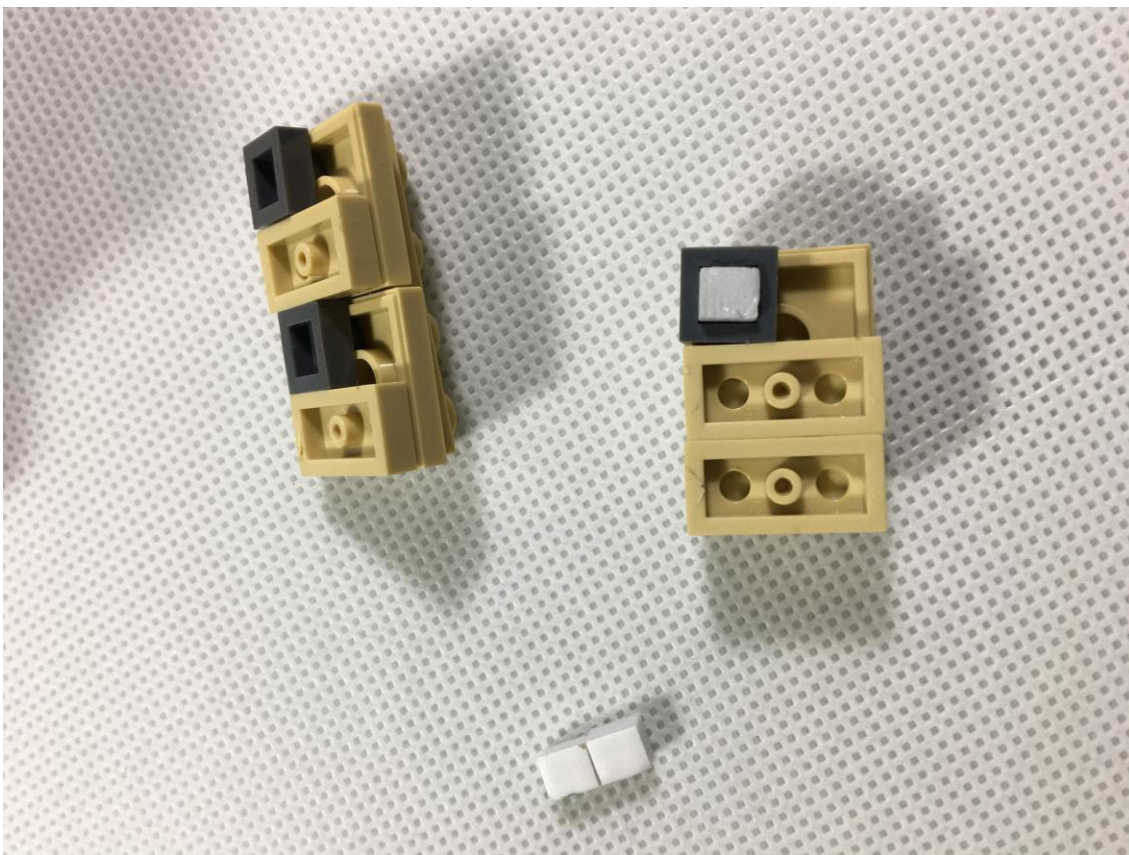
2. Take the second part of this kit.



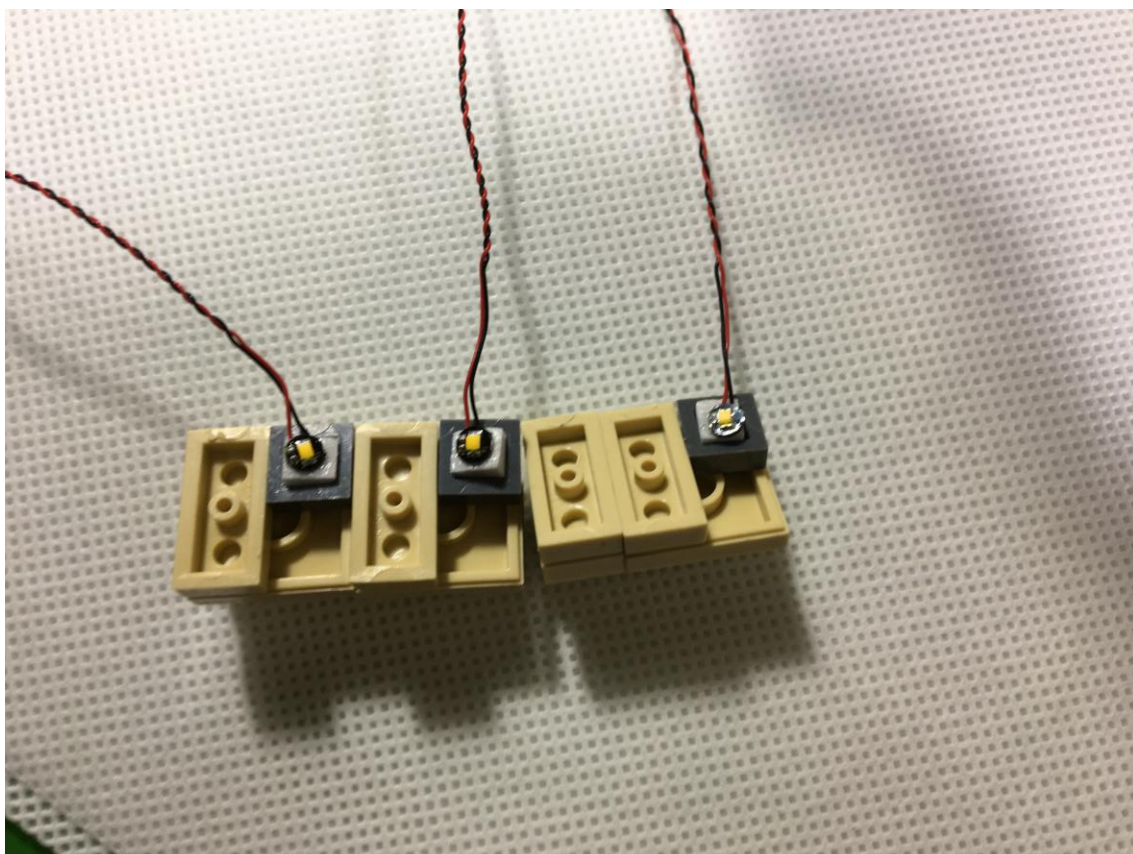
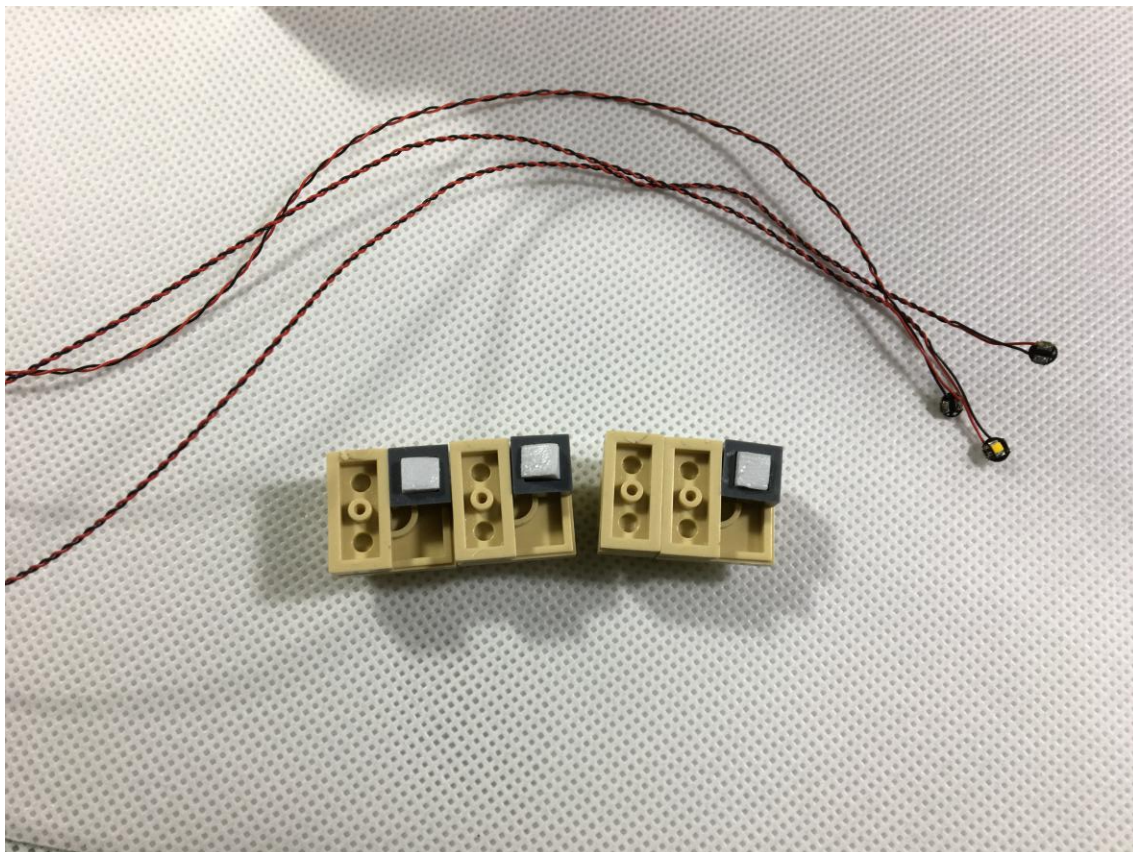
Remove the pieces as shown blew.



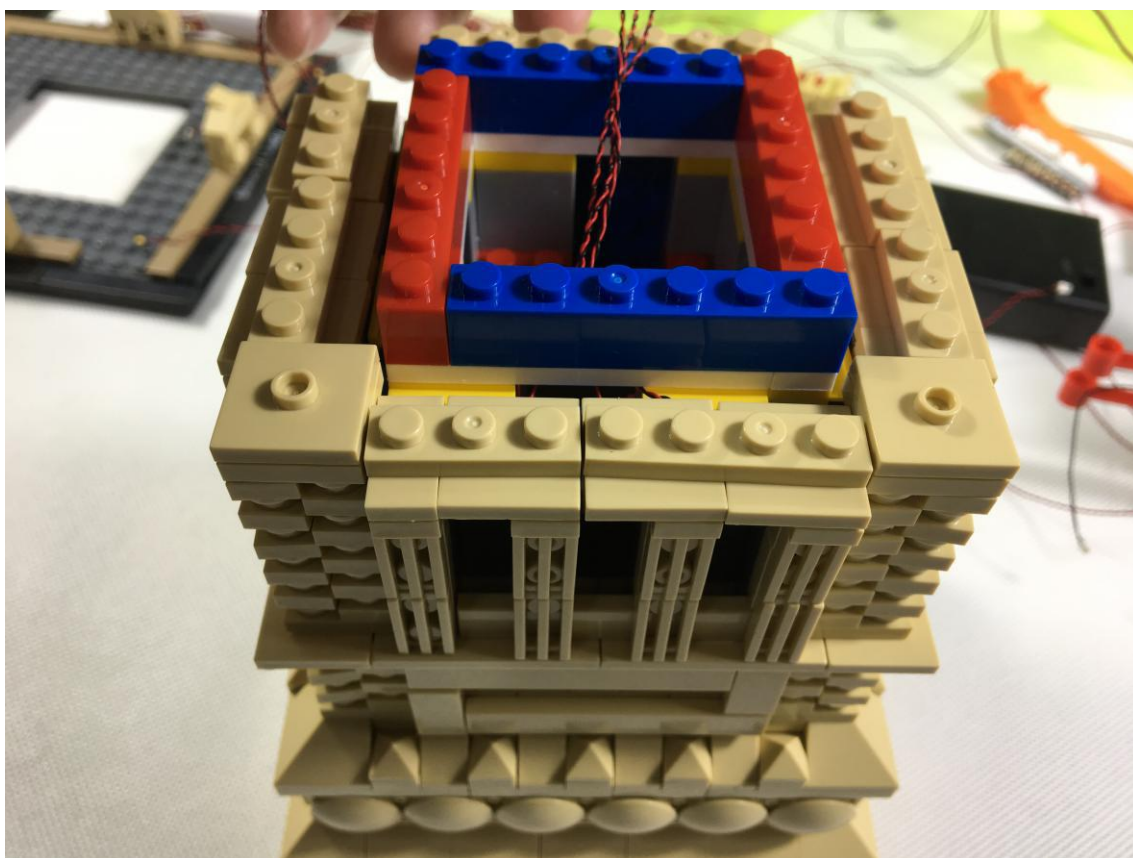
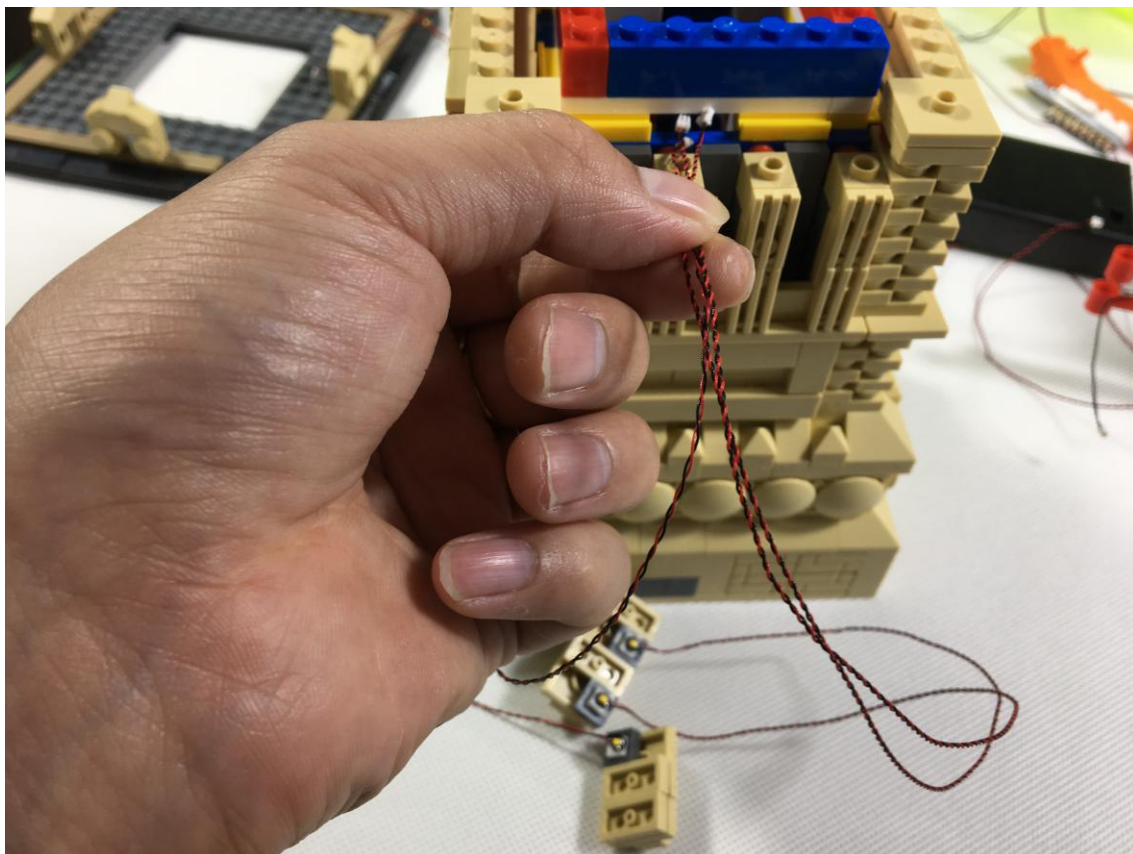
Take a adhesive squares and stick it to the gray groove.



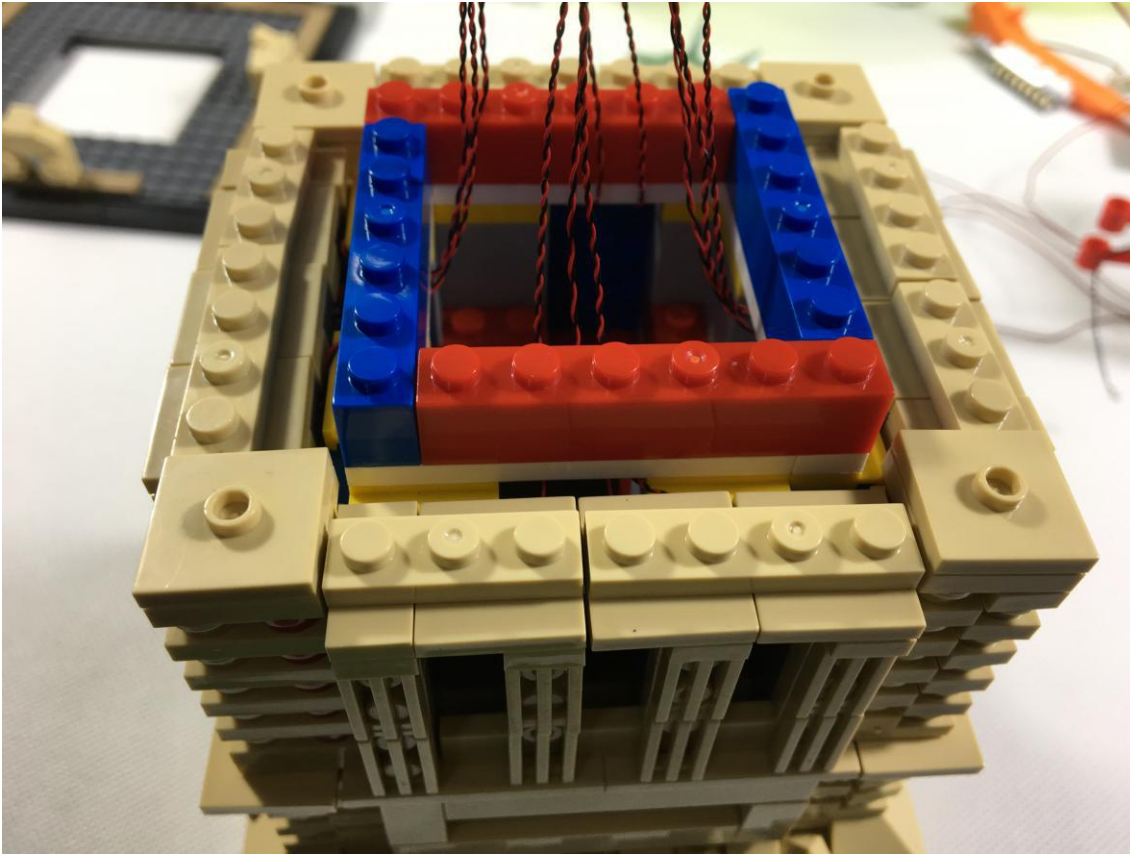
Take 30cm warm white Dot Lights, and put the opposite side of the lights on the adhesive squares.



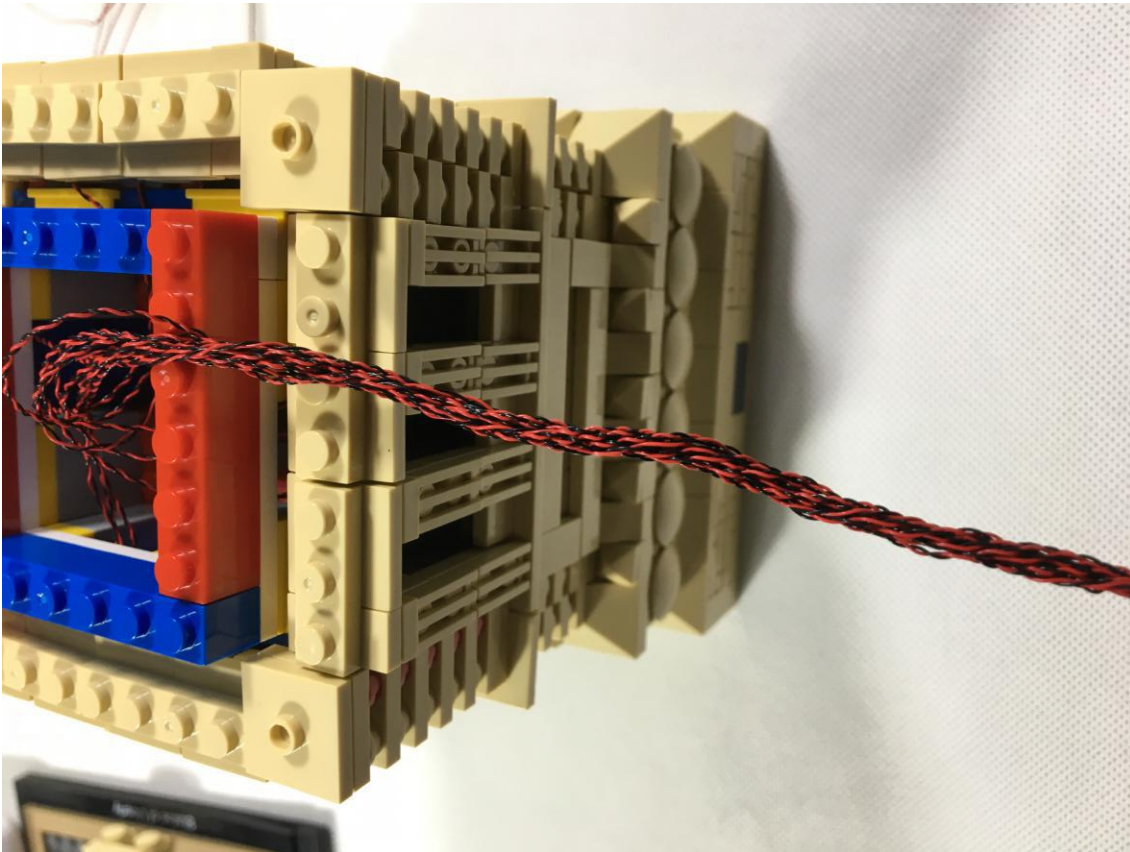
The cables of the three Dot Lights pass through the holes as shown blew, then reconnect the pieces and pull the thin cable to the end.



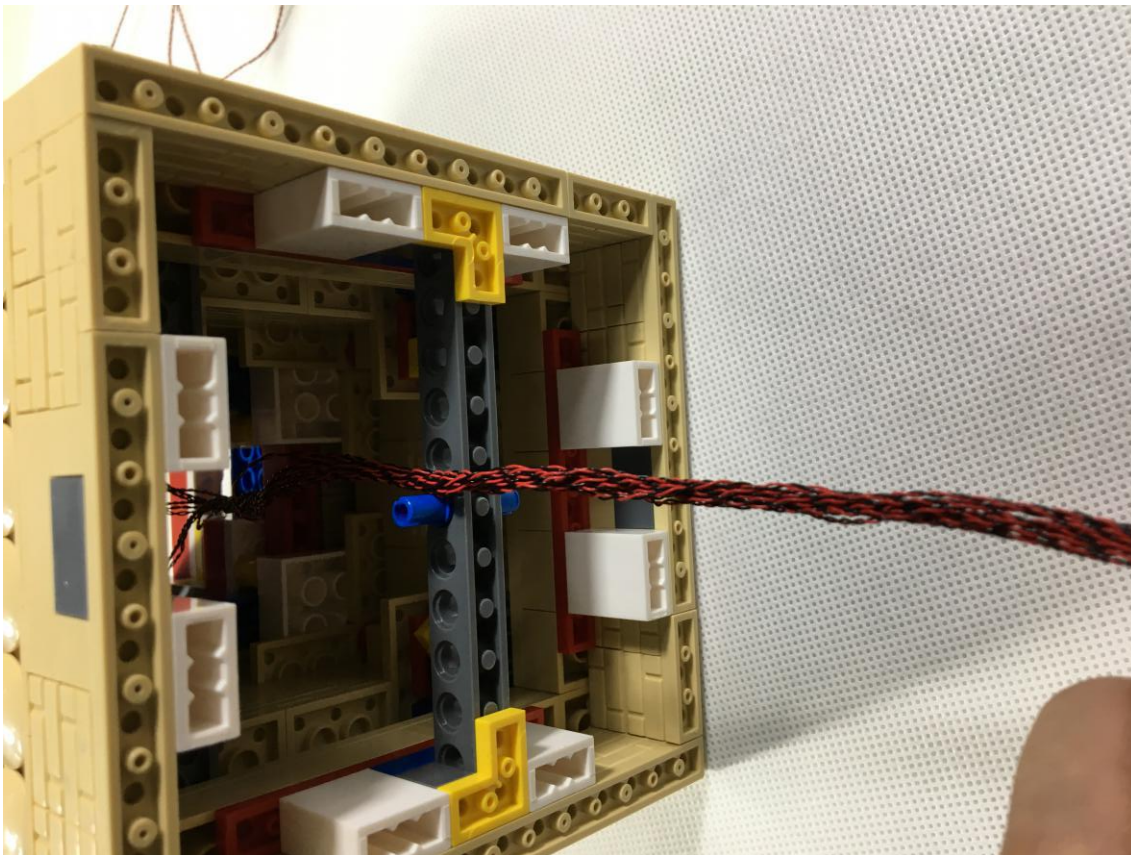
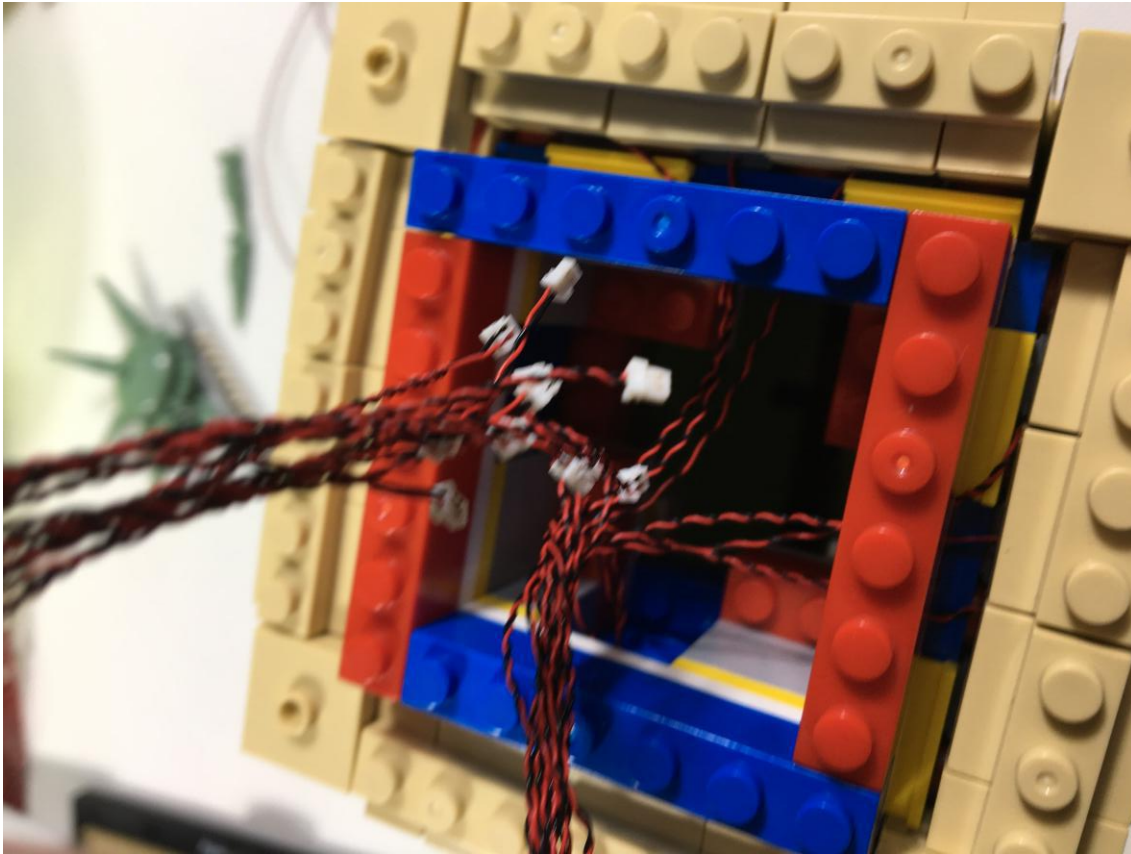
Install the lights on the other three sides in the same way.



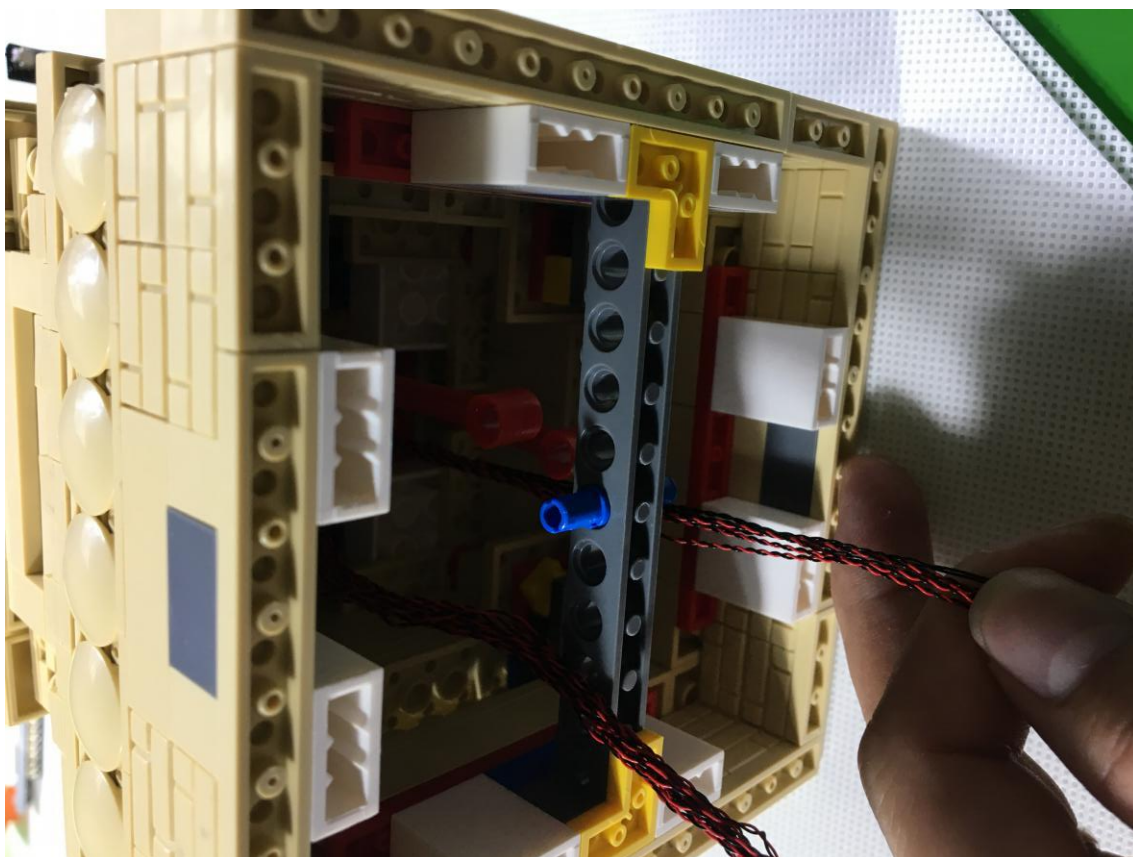
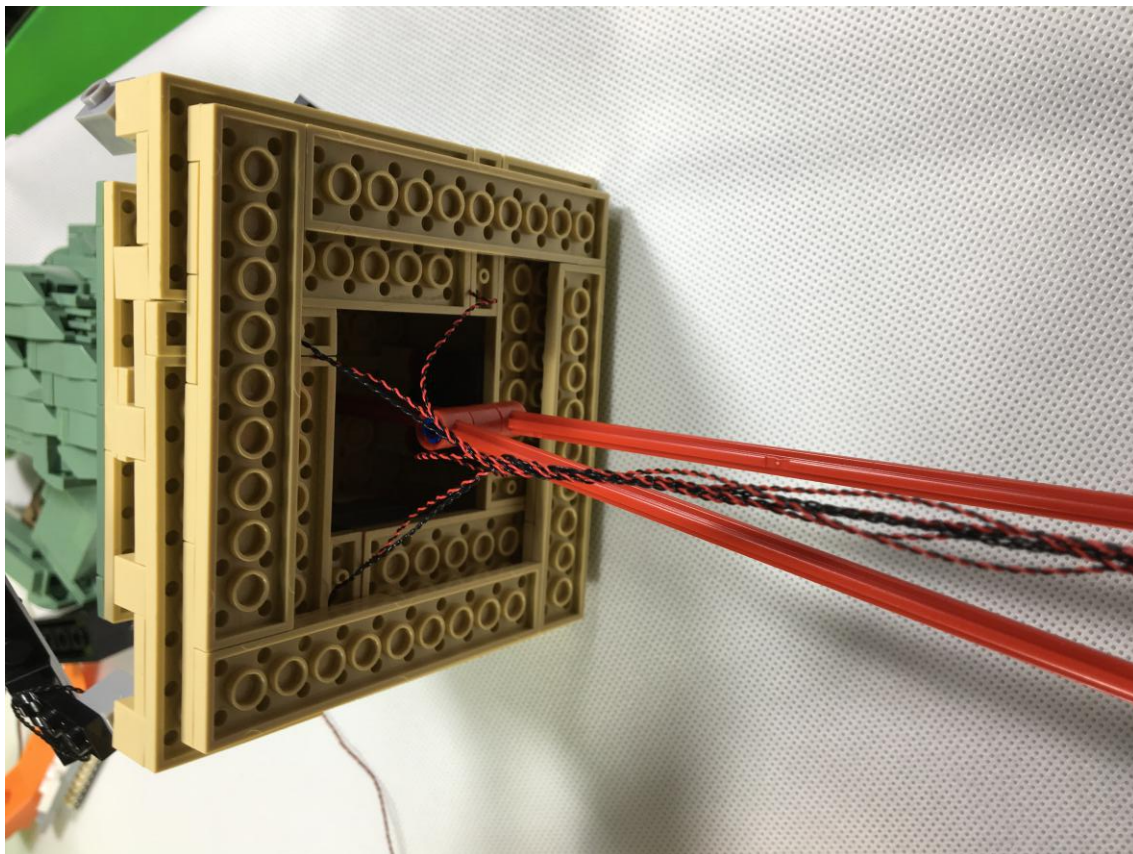
Wrap 12 cables into one strand.



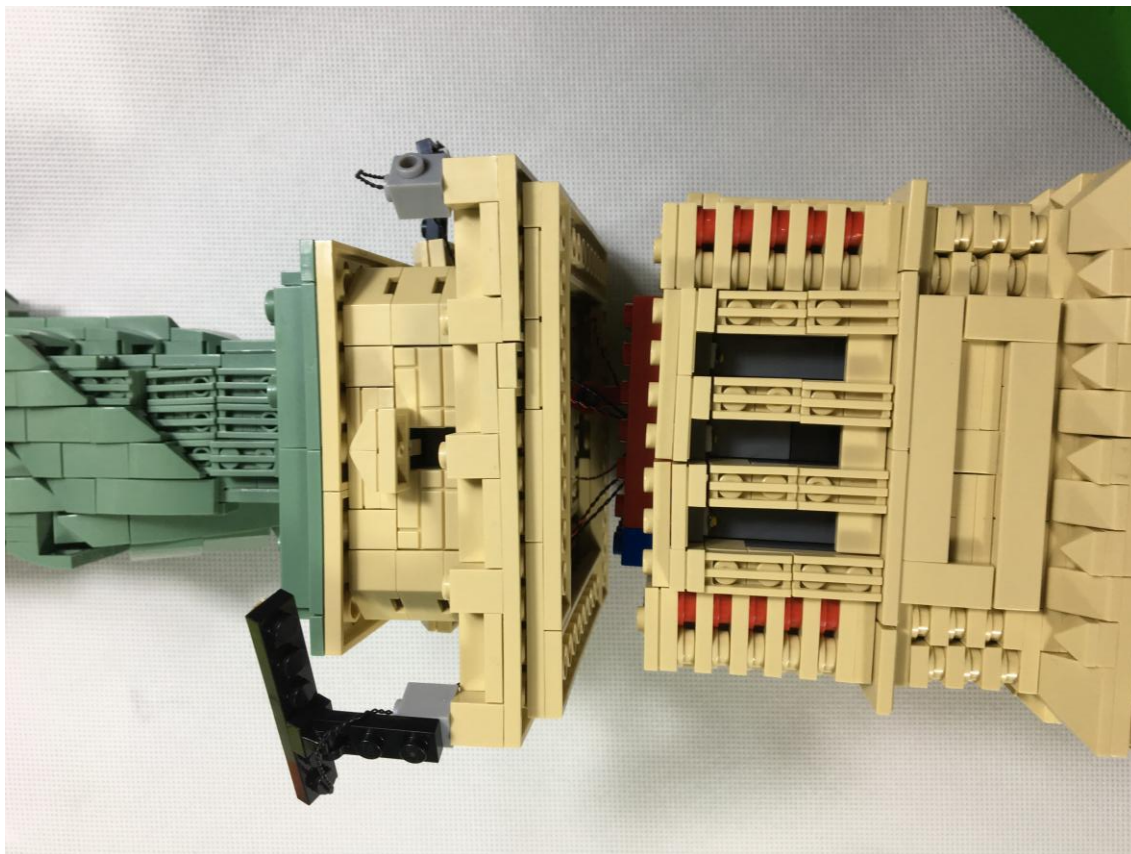
Thread the cable inside the building and pull it to the bottom.



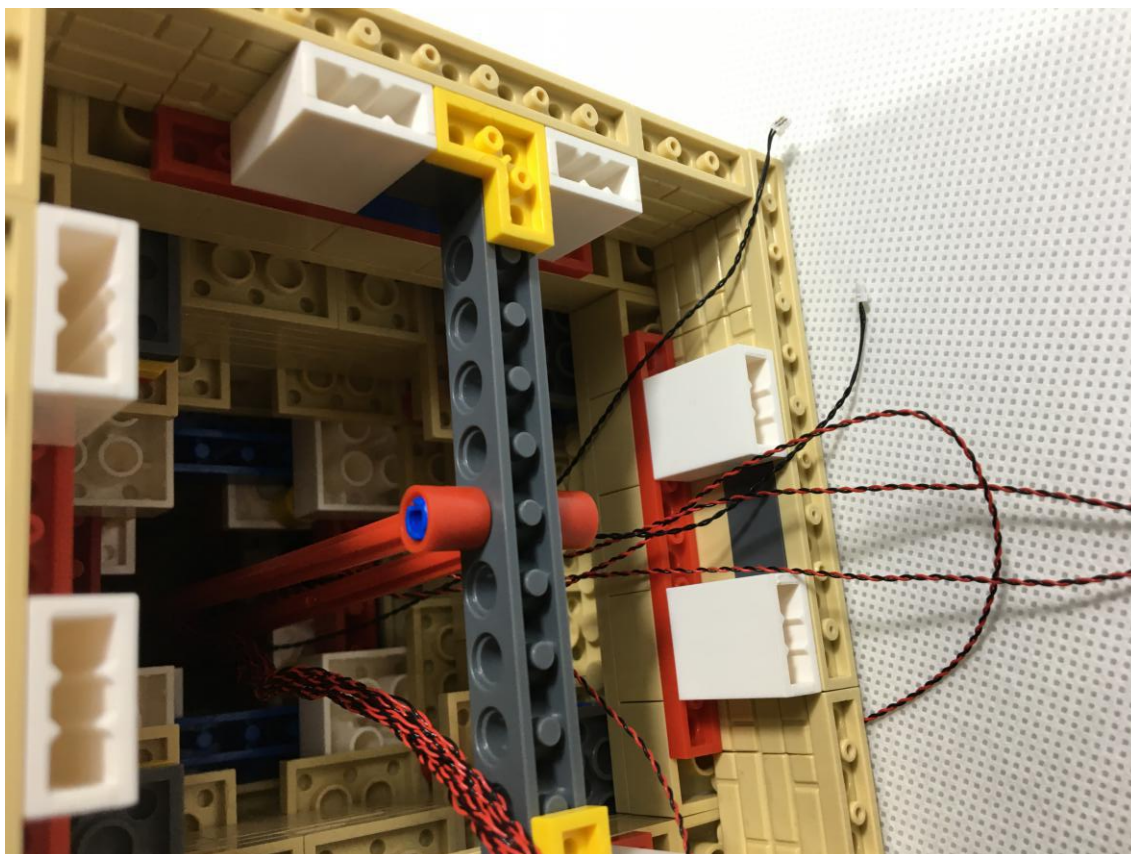
Take out the upper half section, wrap its six cables into a single strand, then reach into the lower half section and pull it to the bottom.



Connect the upper and lower half together.

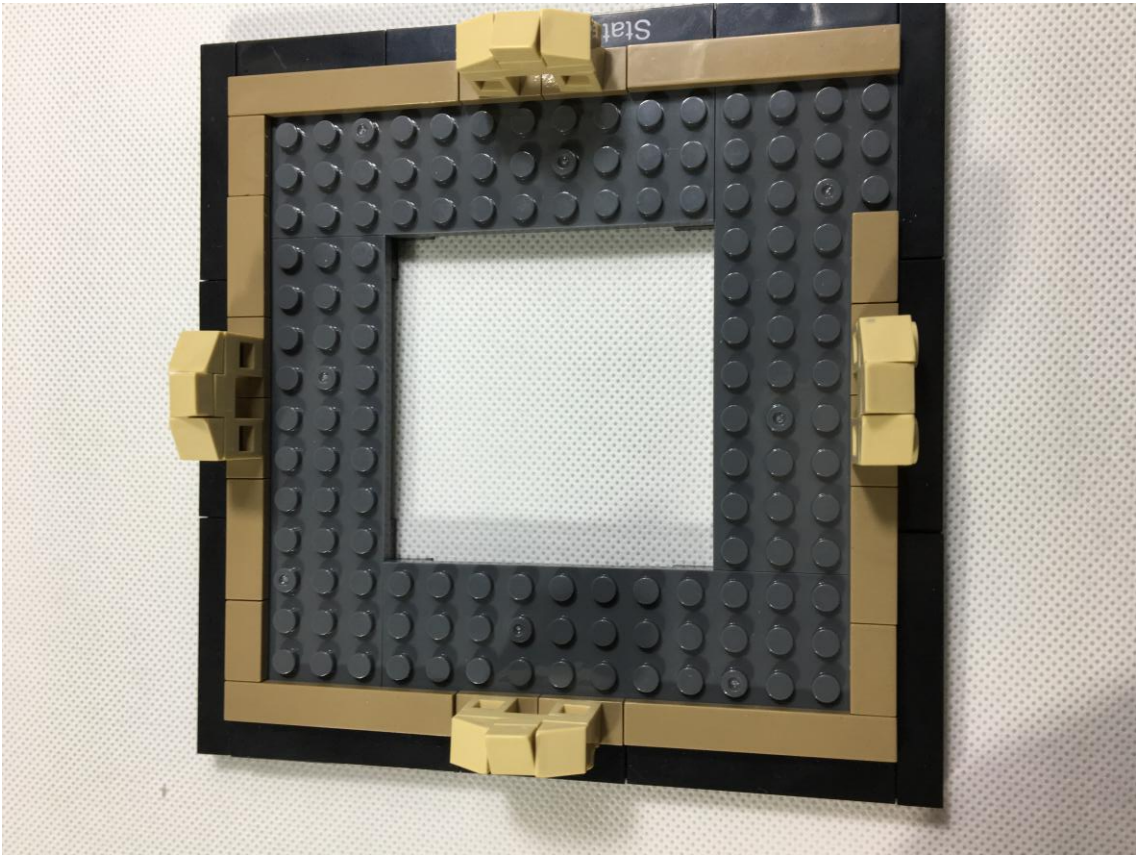


Press the red piece.

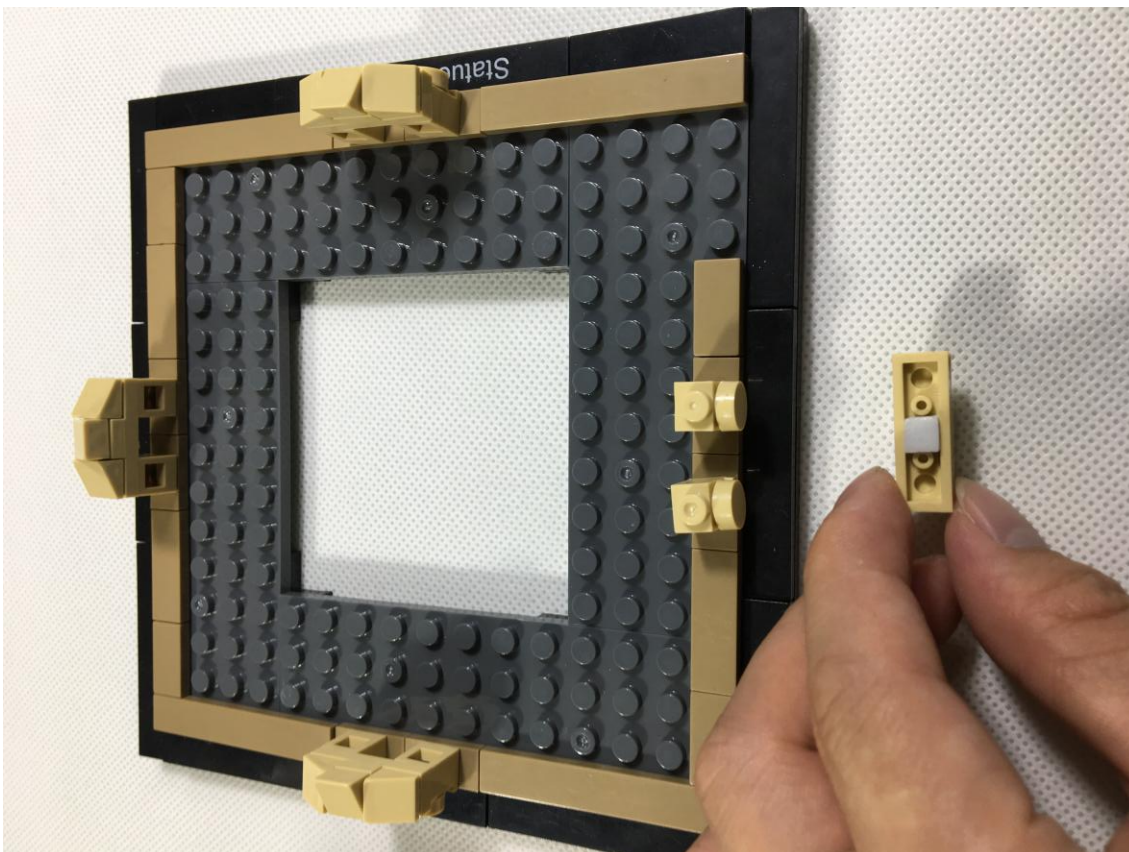
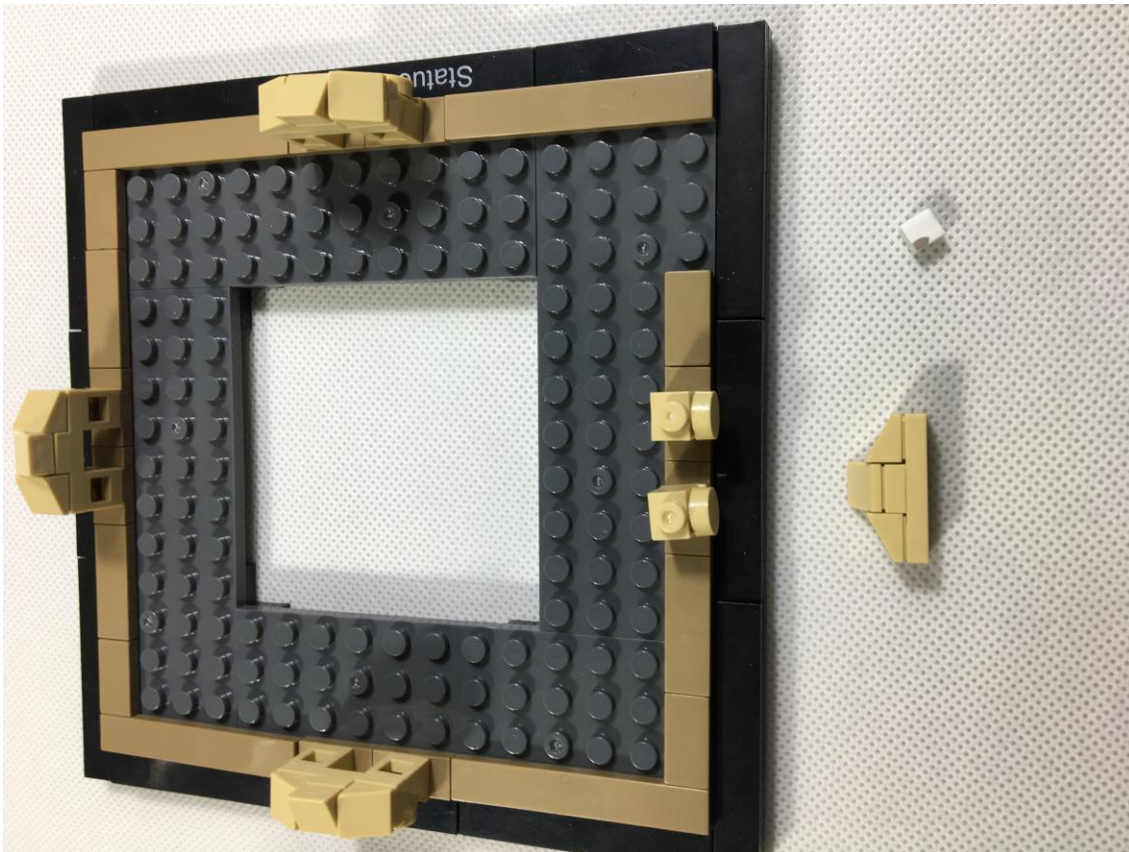




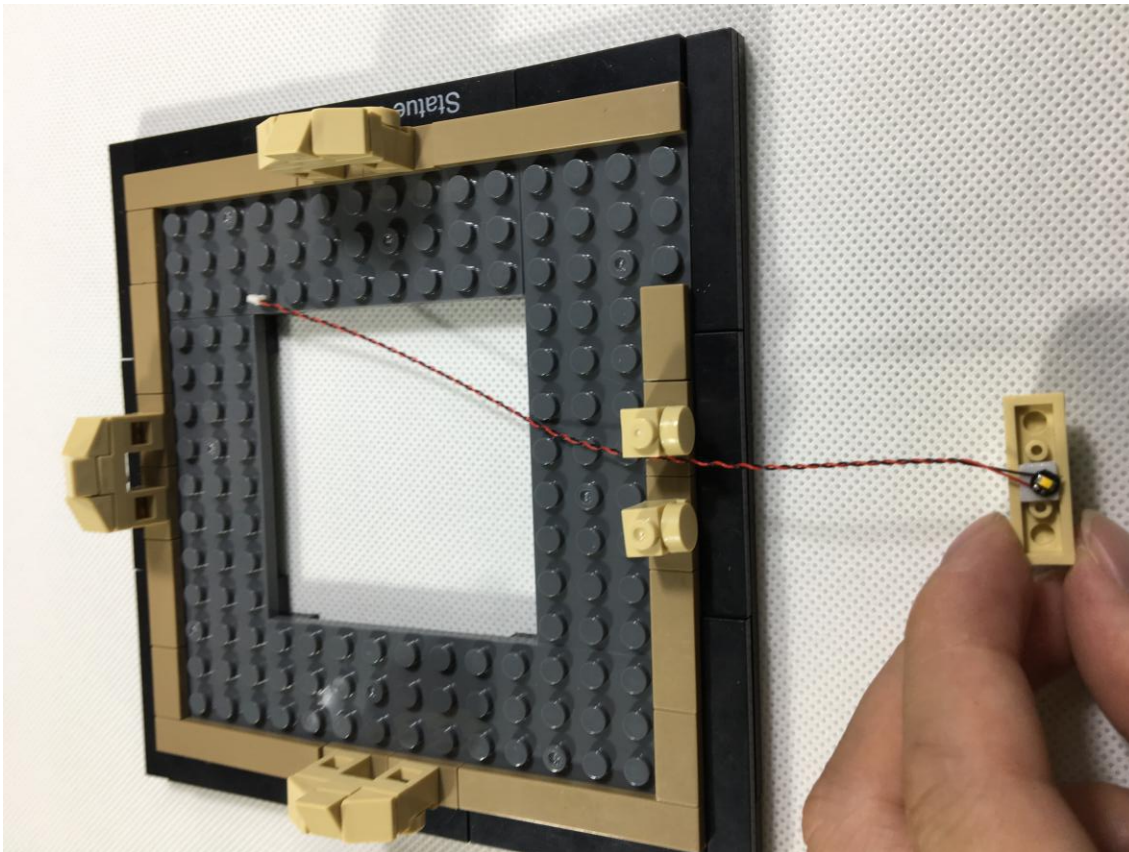
Remove the base.



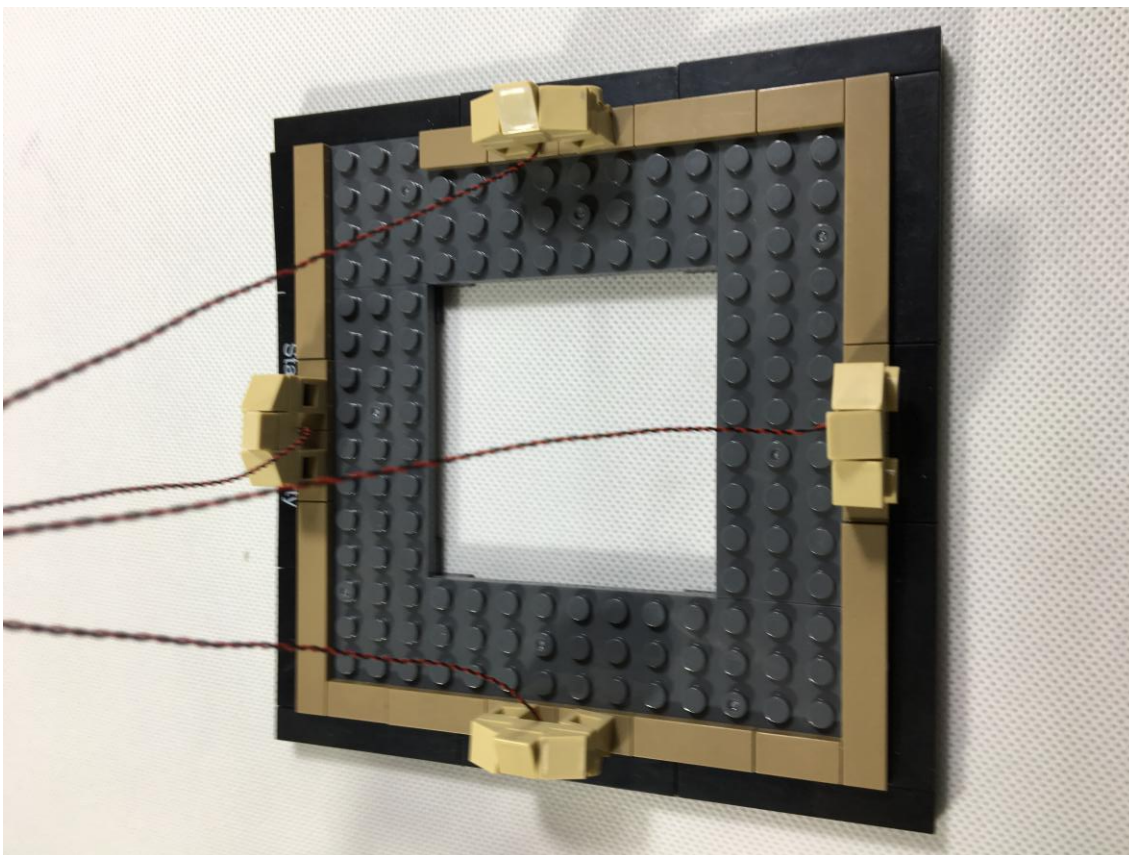
Remove the pieces as shown blew, take a adhesive squares and stick it to the following position.



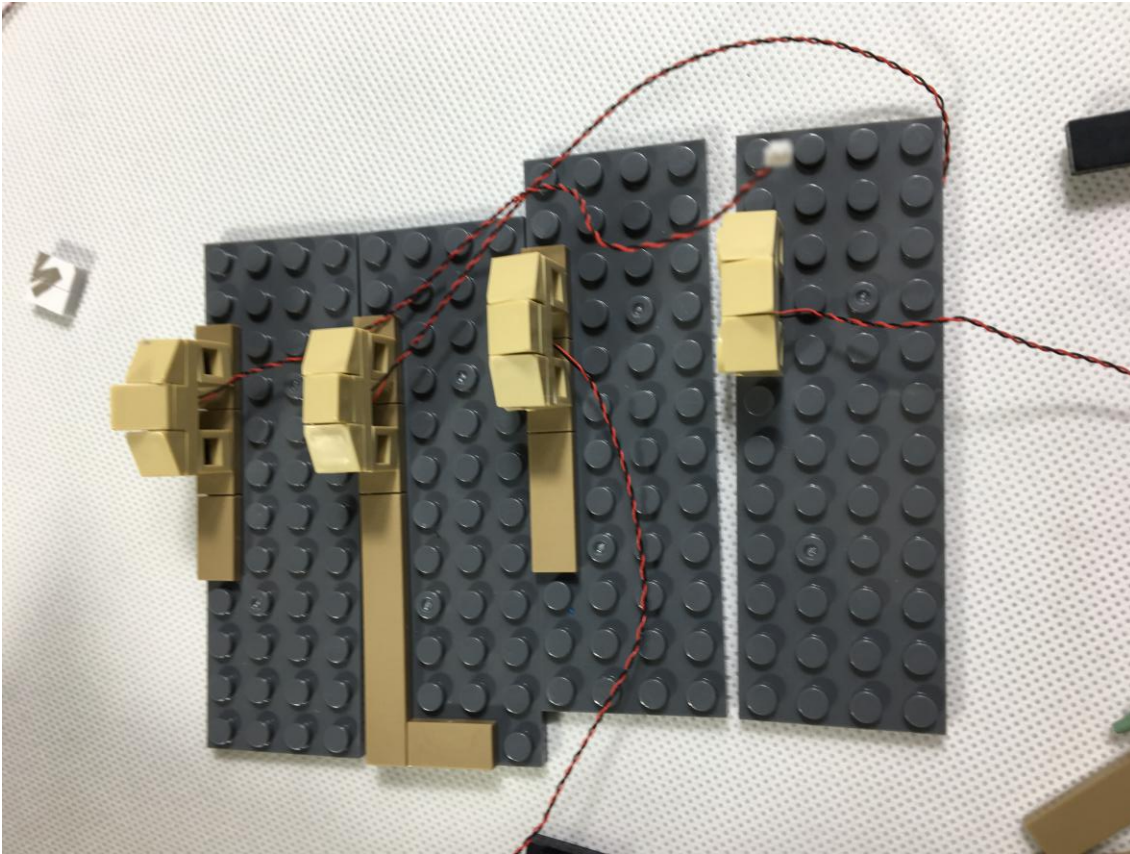
Take a 15cm warm white Dot Light, and stick the adhesive square to it.



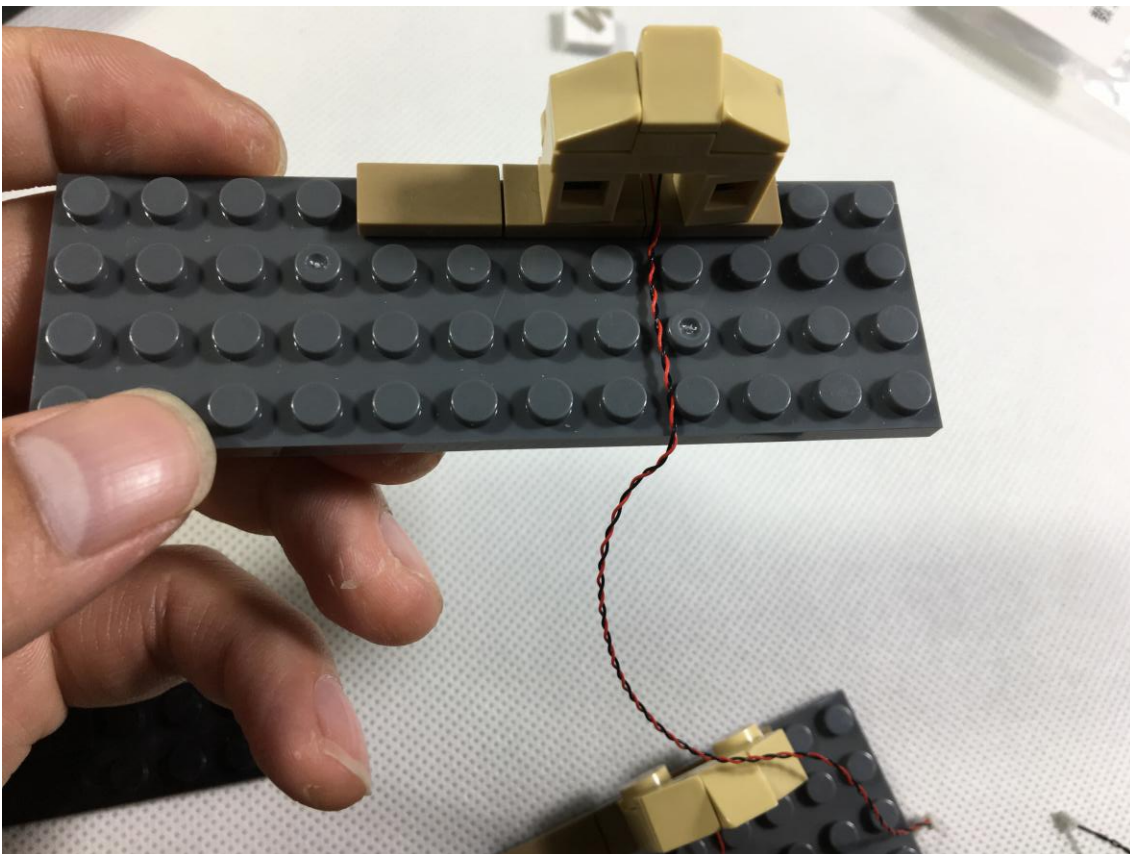
Reconnect the pieces and repeat the operation for the other 3 sides.

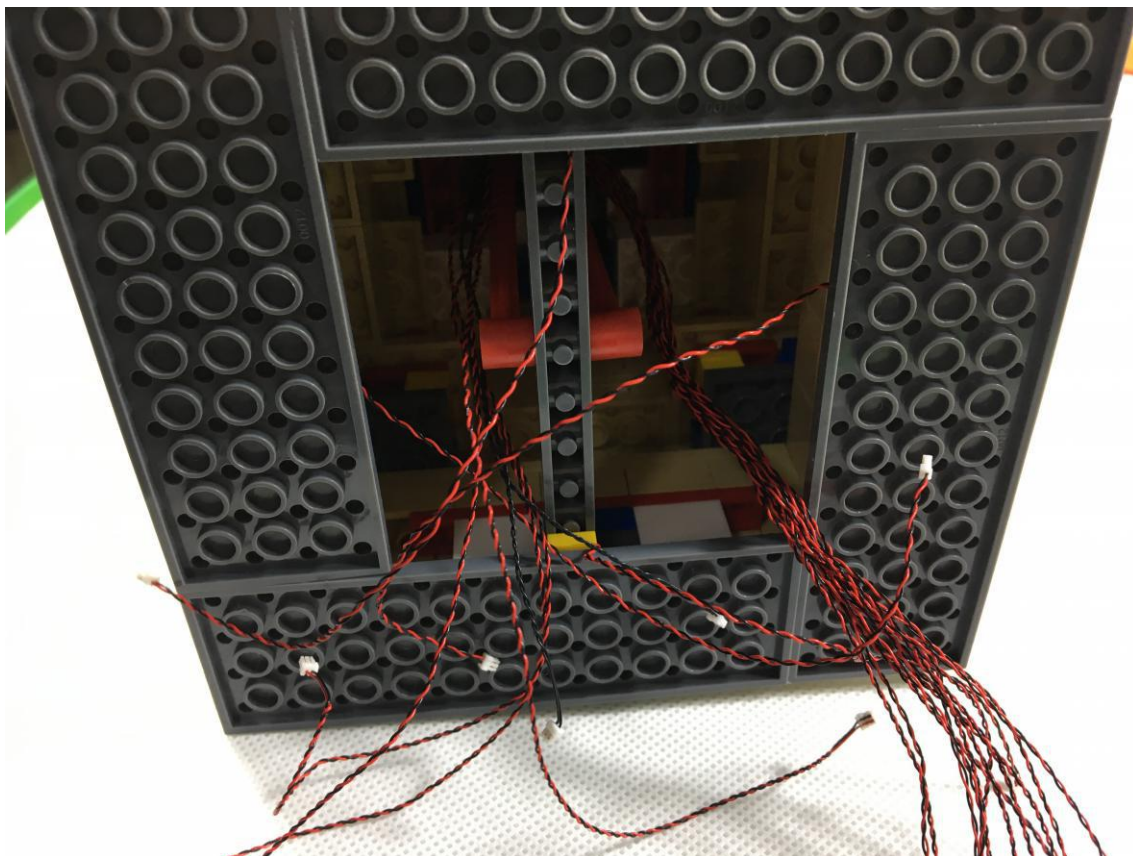
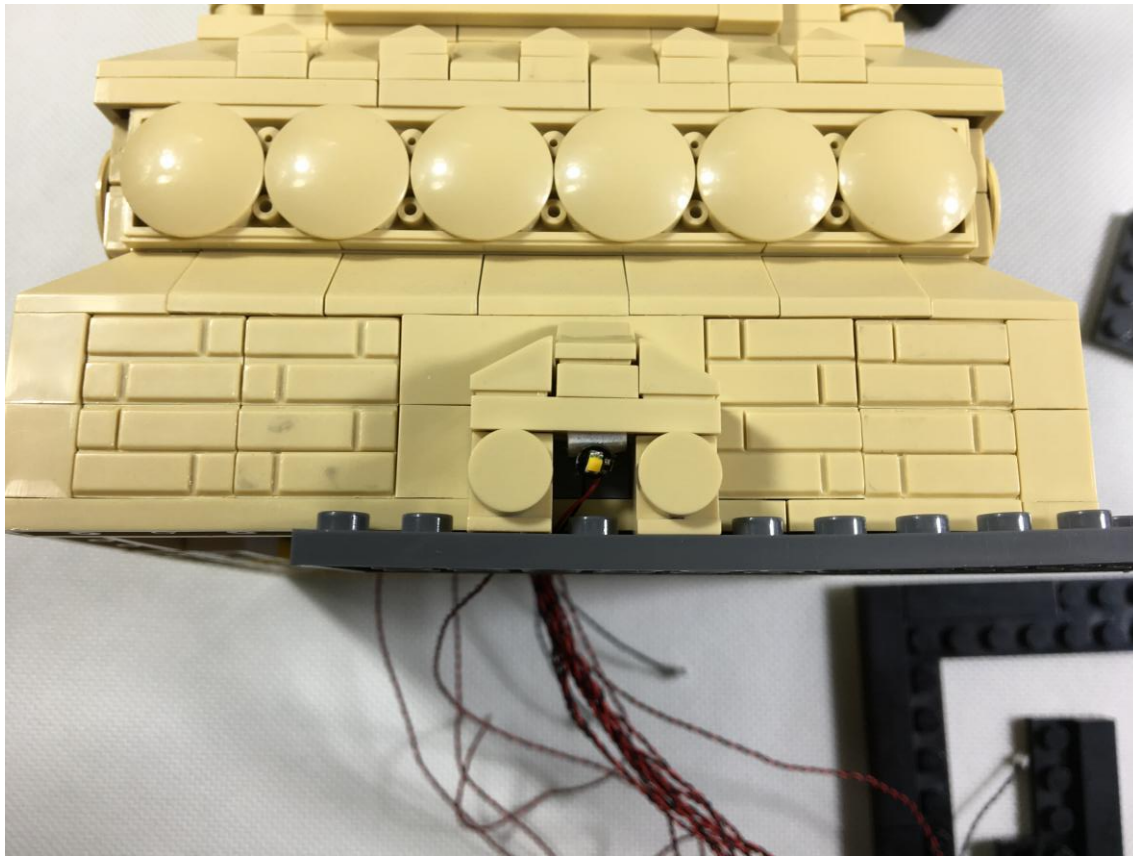


Since the base is difficult to ensure that the four cables installed cannot be pressed by the bumps to avoid jamming. Therefore, it can only be removed first and then installed one by one.

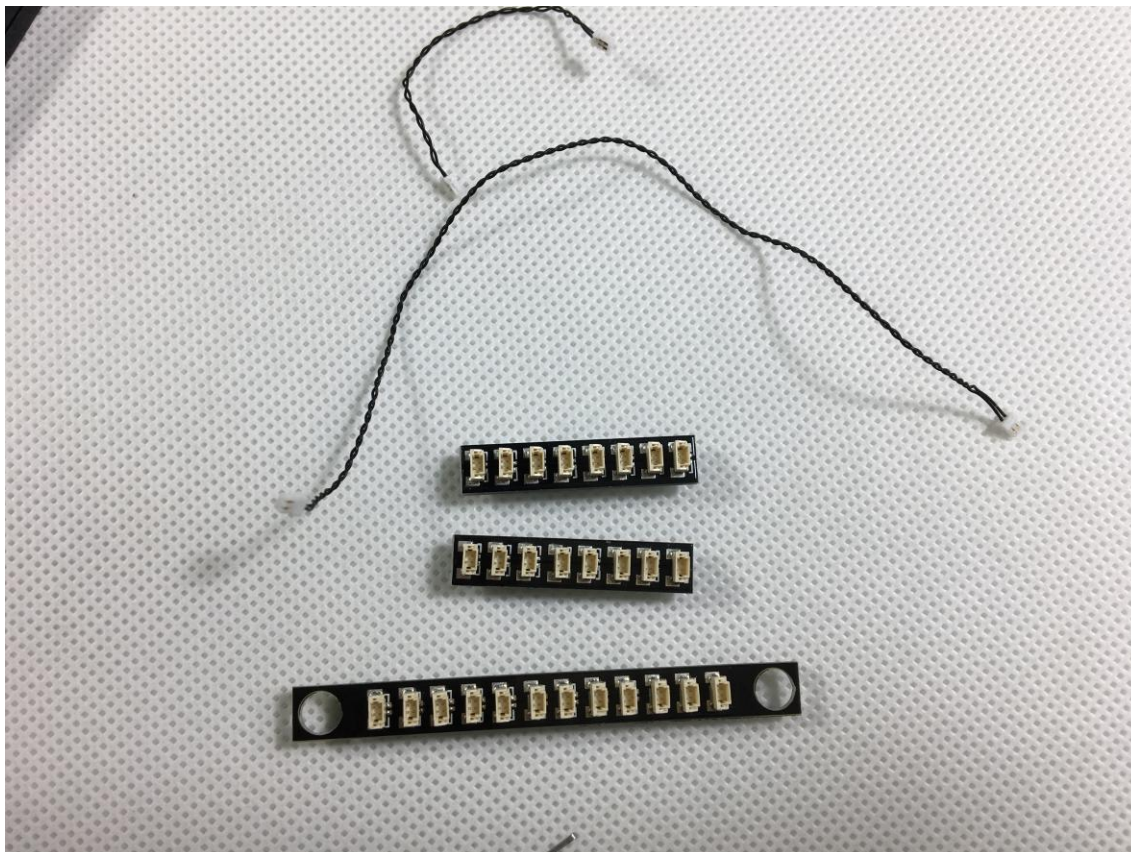


Note that the wire should be pressed between the bumps in advance.

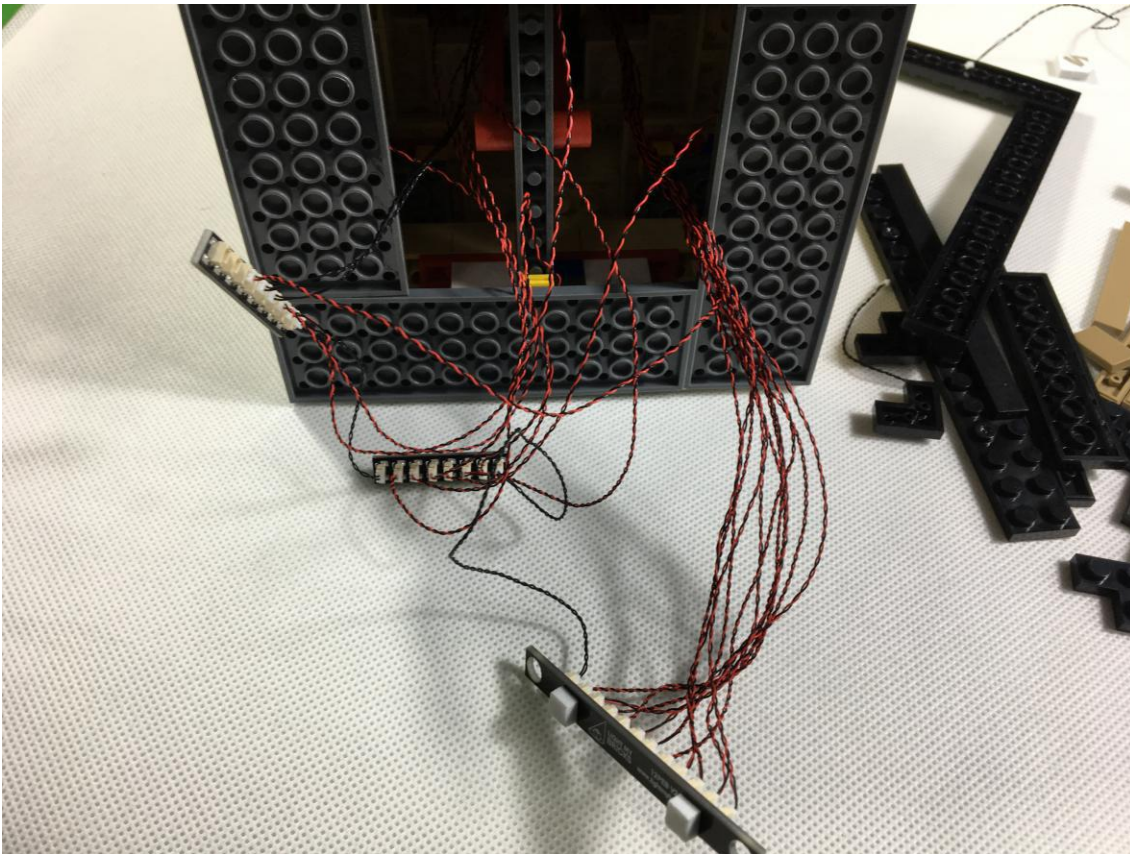




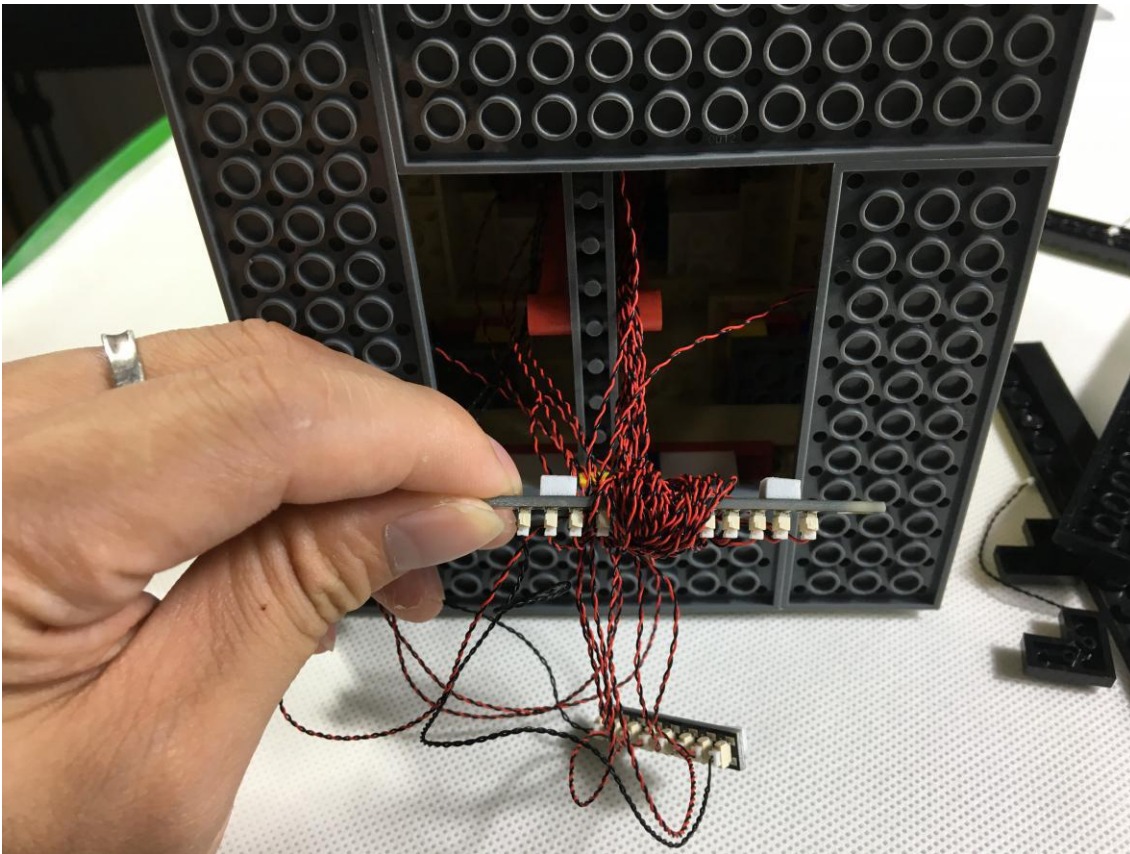
Take 3 bases and 5cm, 15cm connecting cables, connect as shown blew.



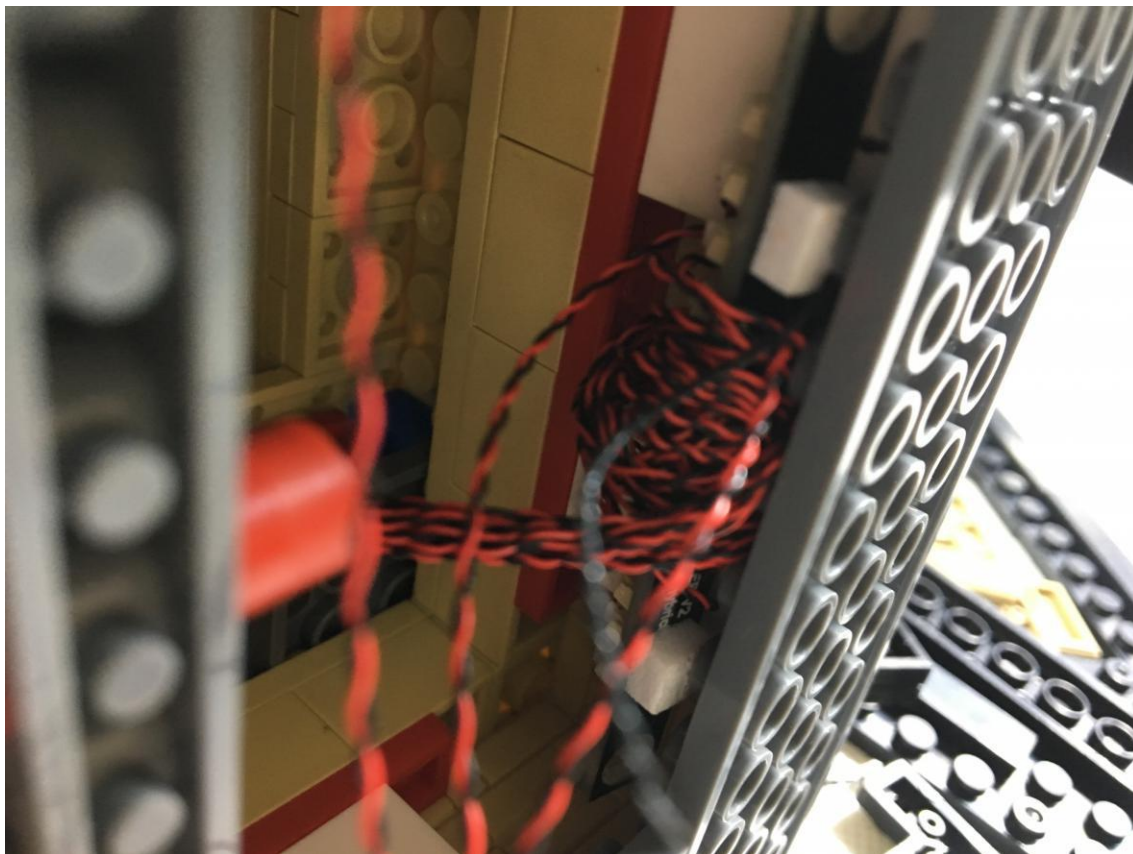
Connect all interfaces to the board.



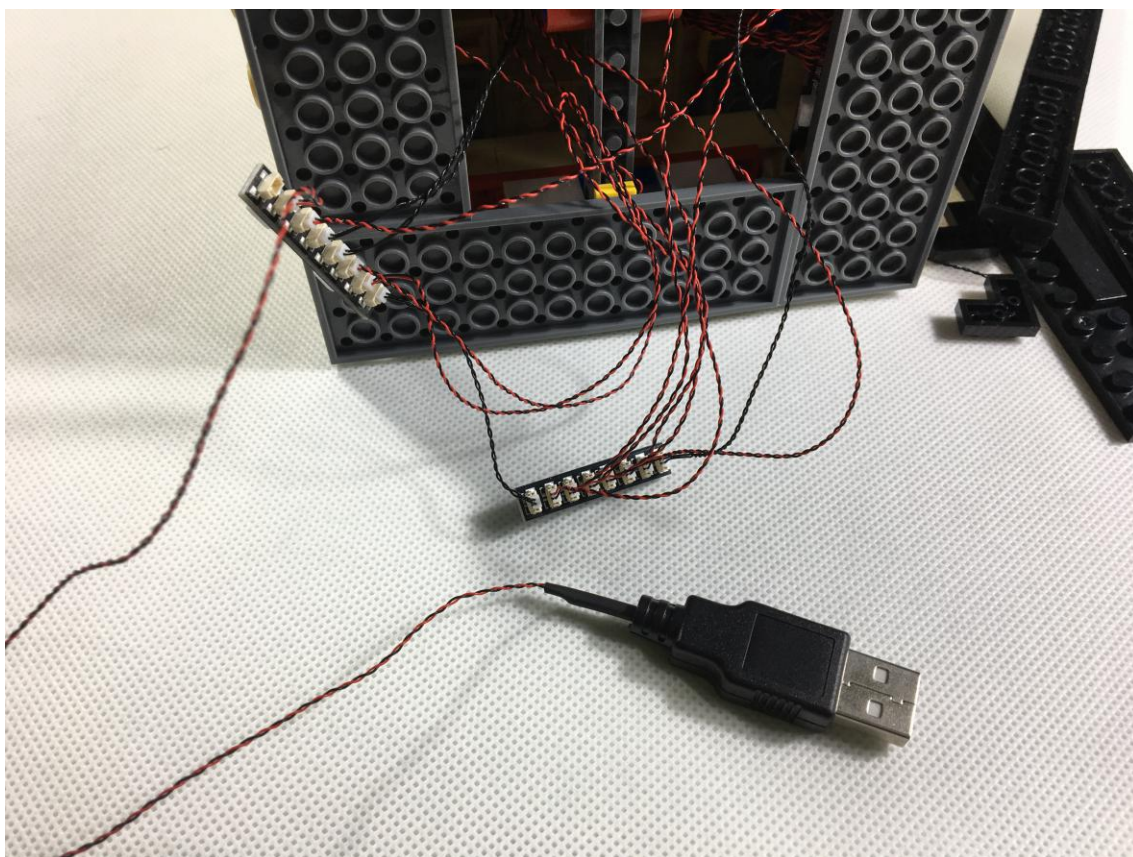
The extra cables can be wrapped around the board.



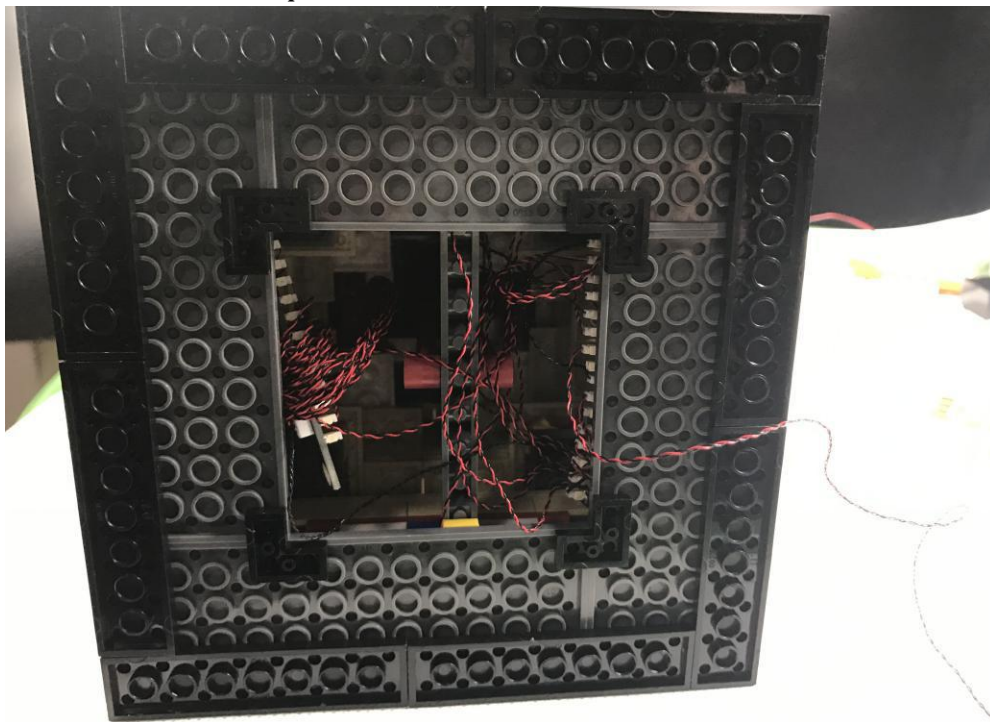
Then attach the board with adhesive squares to the two sides



Take the USB cable and connect it to the board.



Reconnect the other pieces on the base



This kit is complete.

