

HARRY POTTER HOGWARTS CASTLE #71043 Basic Version

Package contents:

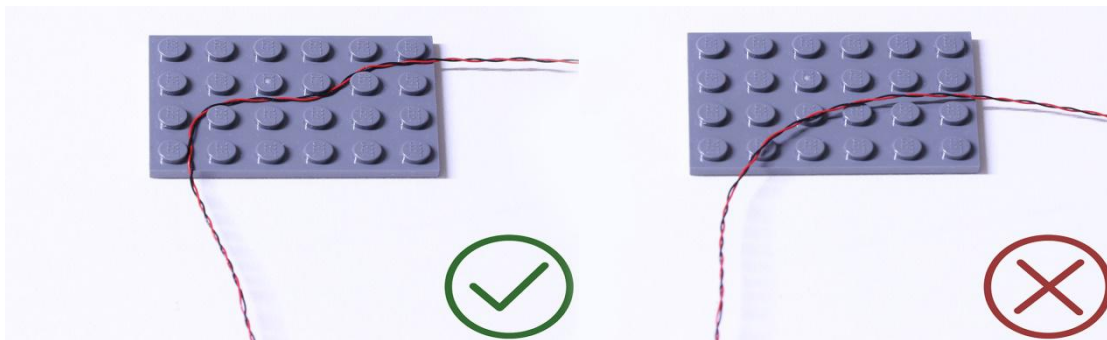
- 9 X 15cm Warm White Dot Lights
- 6 X 30cm Warm White Dot Lights
- 1 X 8-Port Expansion Boards
- 3 X 6-Port Expansion Boards
- 1 X 15cm Connecting Cables
- 2 X 50cm Connecting Cables
- 1 X USB Power Cables

LEGO Plate Pieces

Note:

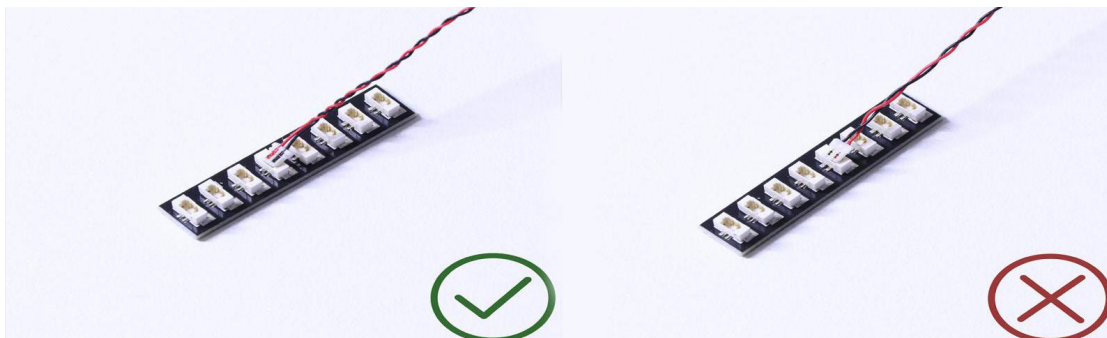
Place wires on the surface or under the LEGO building blocks.

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

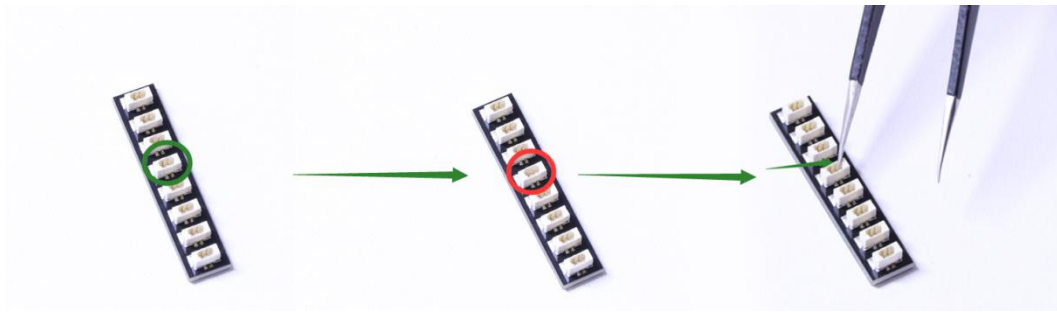


Insert the connectors to the ports.

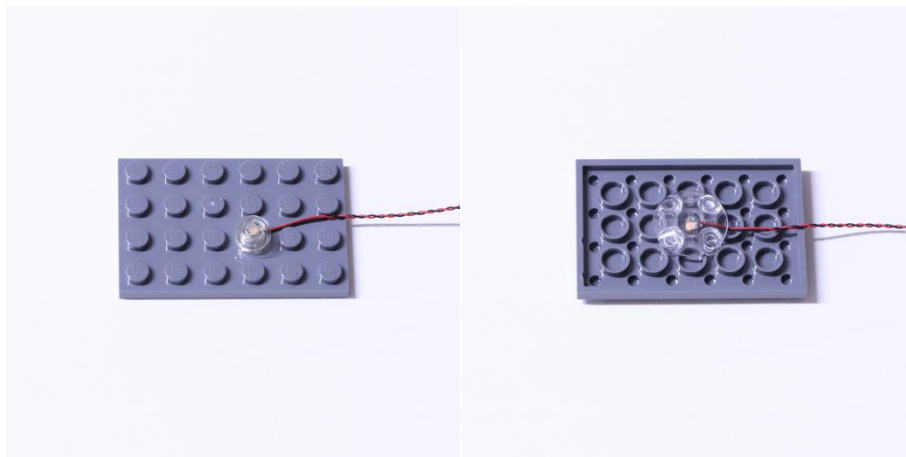
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

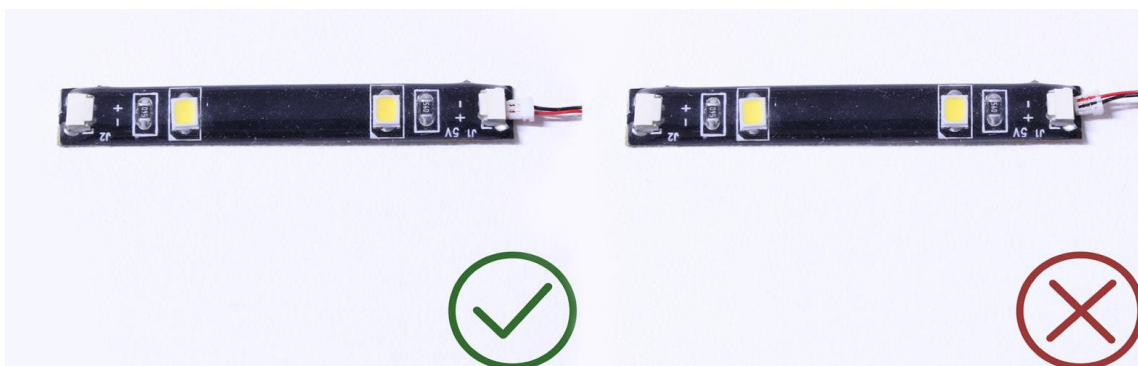


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

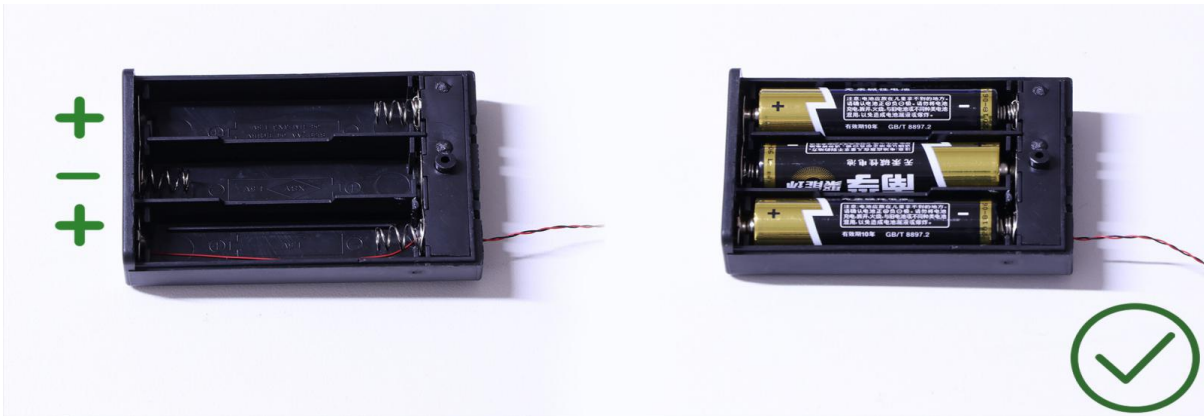


Connecting cable connectors to Strip Lights

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.



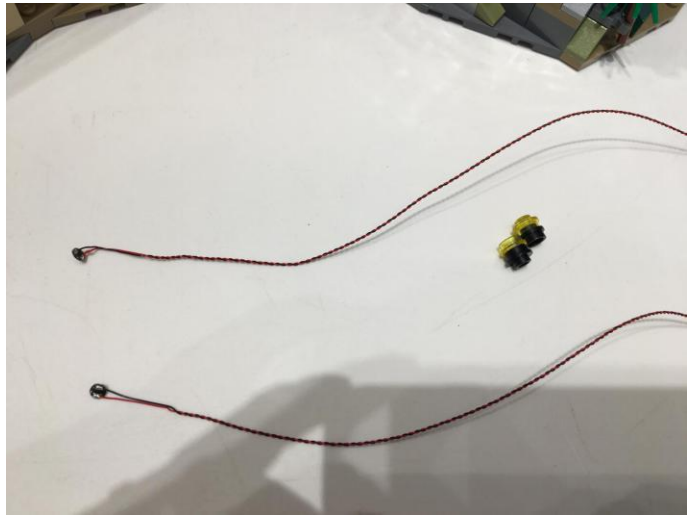
OK, Let's Begin!

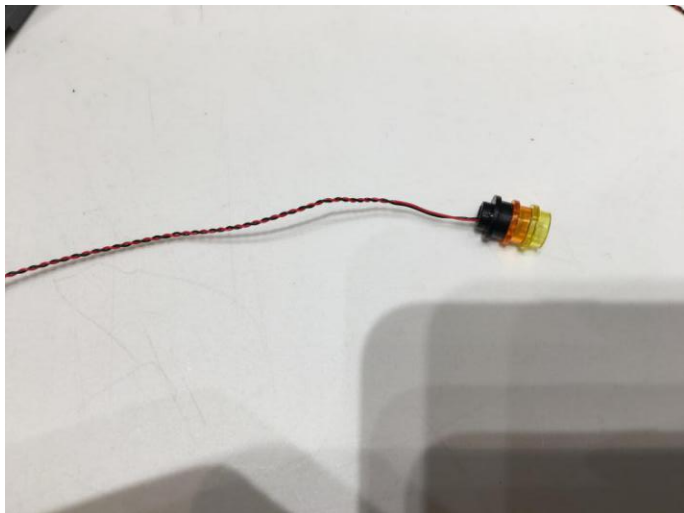
Instructions for installing this kit

First divide the castle into 2 parts, the first part on the right and the second part on the left, as shown below.



We first install the first part, the flame light at the gate, take out two 30cm warm white Dot Lights, and two 1x1 black small round plates. The lights dots should enter from the large hole and come out from the small hole. (Note: Since there is no black small round plate at hand, the orange or gray small round plate is used instead of 1x1 black small round plate for explanation.)





In the same way, take out two 30cm warm white Dot Lights and 2 black small round plates with holes. Press them at the other door



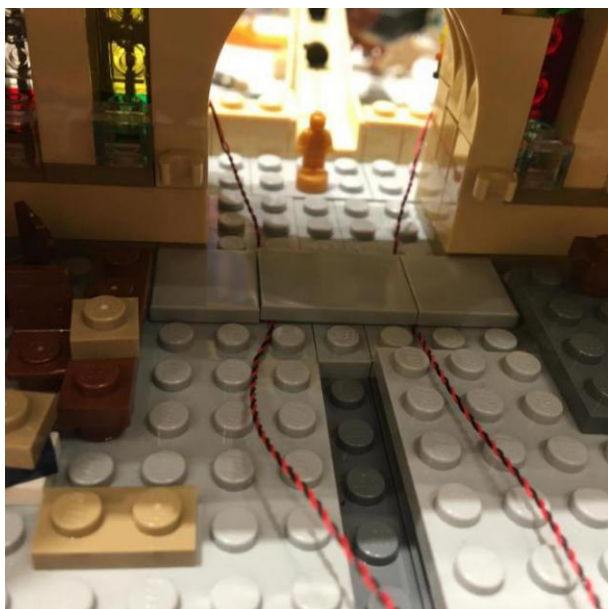
Remove the 2 pillars and the gate as shown below



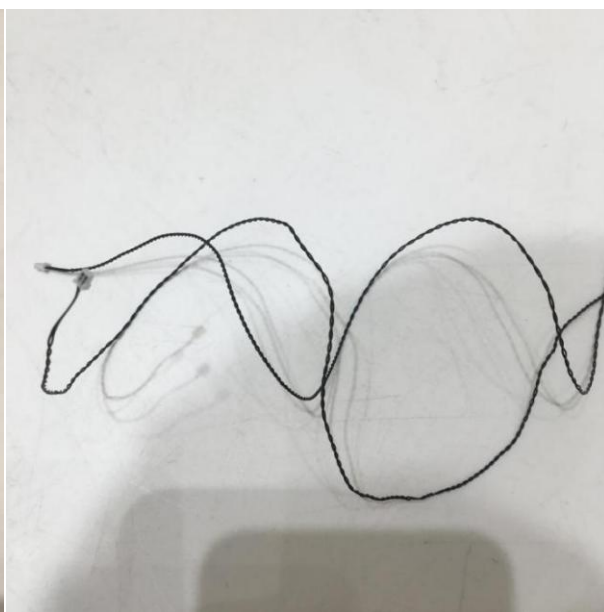
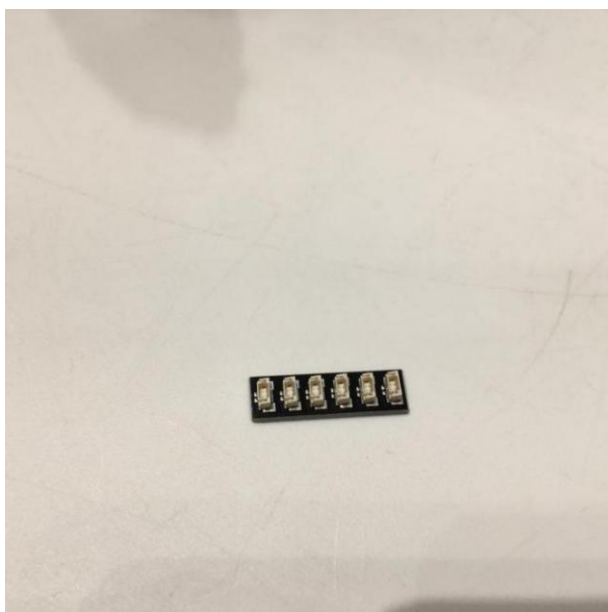
Remove the 1*6 board and the floor



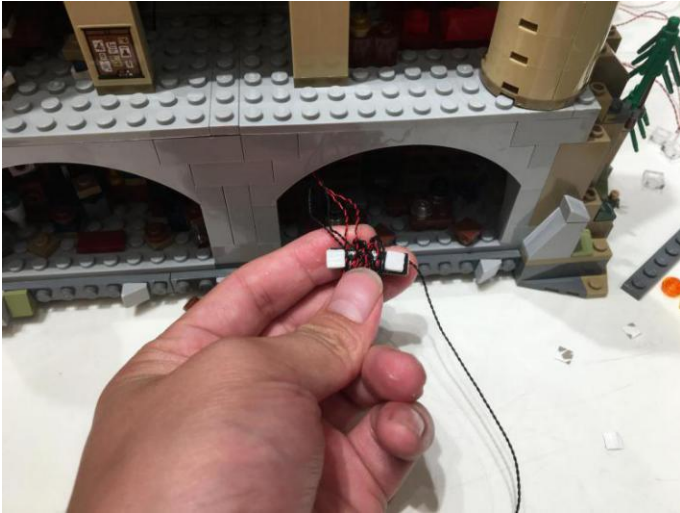
Press the wire of the lamp under the plate and penetrate the next layer, Reducing the board



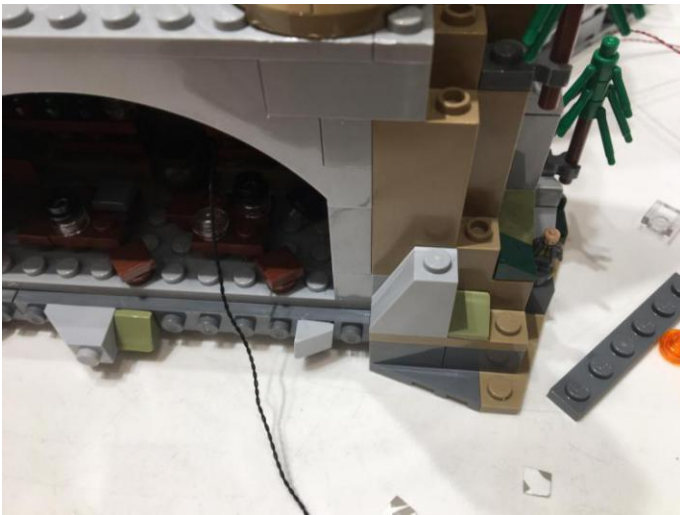
Take a 6-port expansion board and a 50cm cable.



Connect the 50cm cable, the front cable and the light dot to the board. Then stick the adhesive square to the board and stick it to the top.



Lay the cables as shown below.



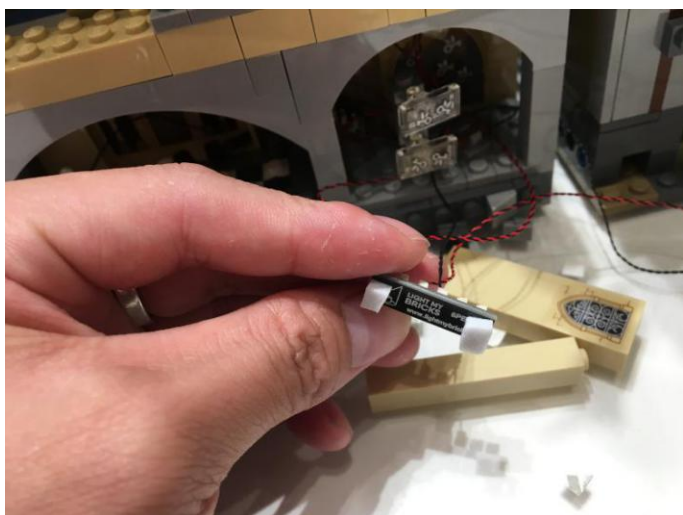
Remove the column and the bottom plate on the left side, and lift the bottom plate on the right side. The two lamp bead wires on the front door are shown in the figure.



Take a 6-port expansion board and a USB Power Cables, Connect the lamp and the 50cm cable to the socket

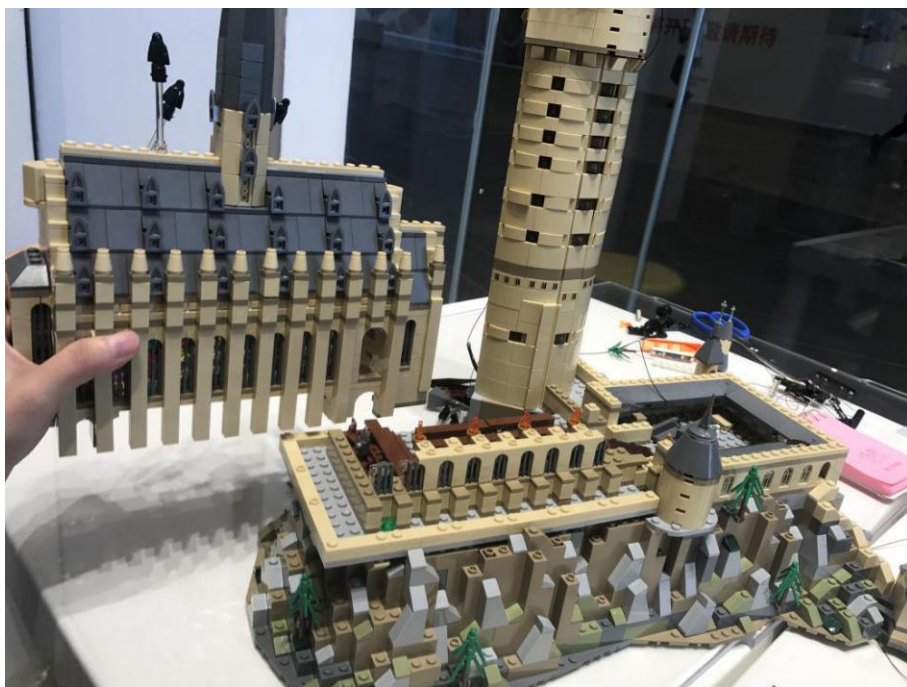


Take 2 adhesive squares and stick them on both ends of the board, and wrap them around the board.



Now let's start the second part!

Remove the upper part of the second part of the castle.



Then remove the bottom plate.



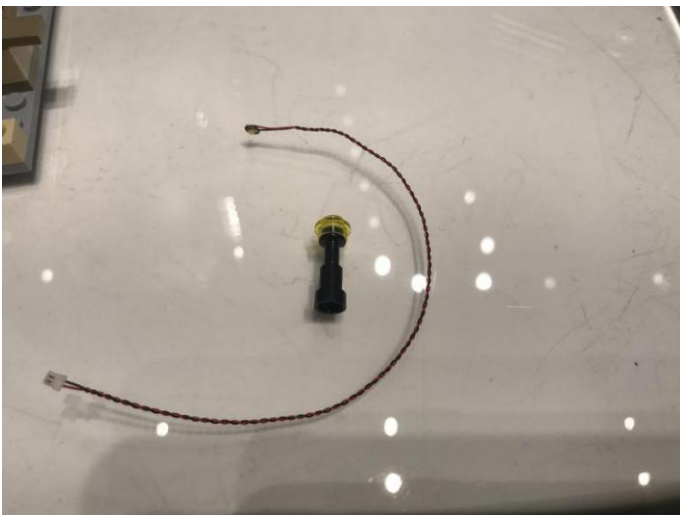
Remove the 9 street lights on the bottom plate.



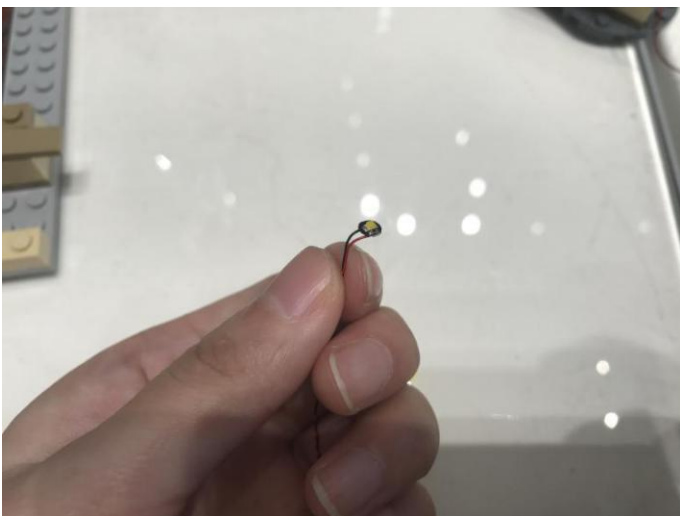
Take nine 15cm warm white Dot Lights. We start to install all the street lights.



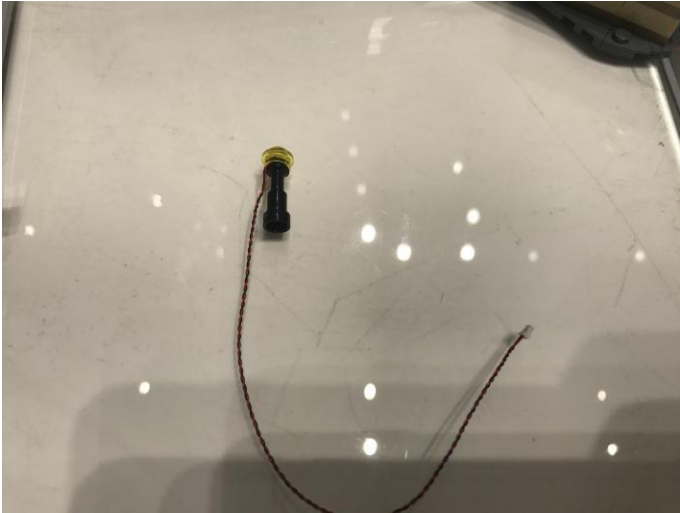
Take one of the 15cm dots and street lamps to separate the transparent parts of the street lamps.



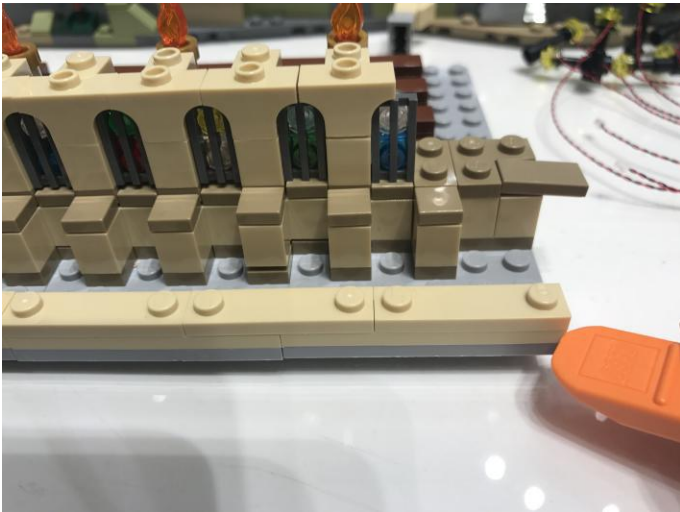
Fold the end of the lamp into 90 degrees with the light side facing up.



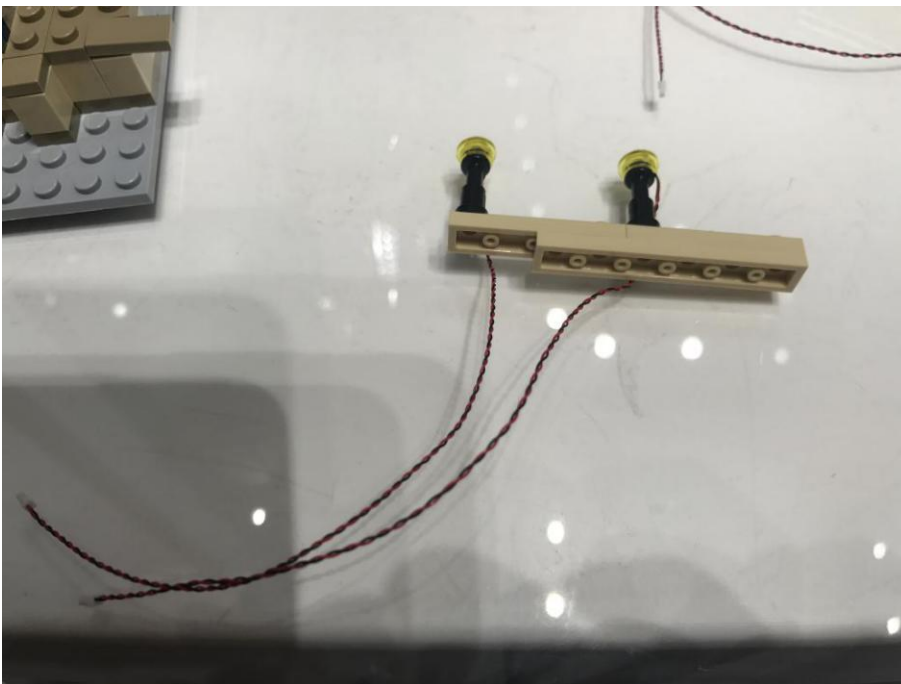
The first street lamp was installed by holding it with a transparent piece. Repeated the operation to install the other eight street lights.



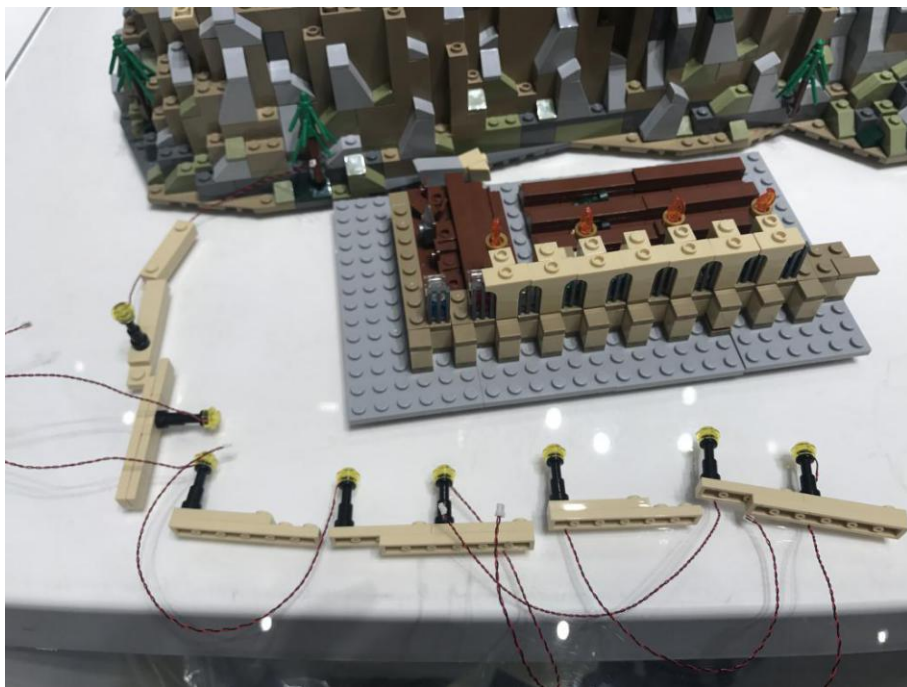
Remove the double base plate under the street lamp on the bottom plate



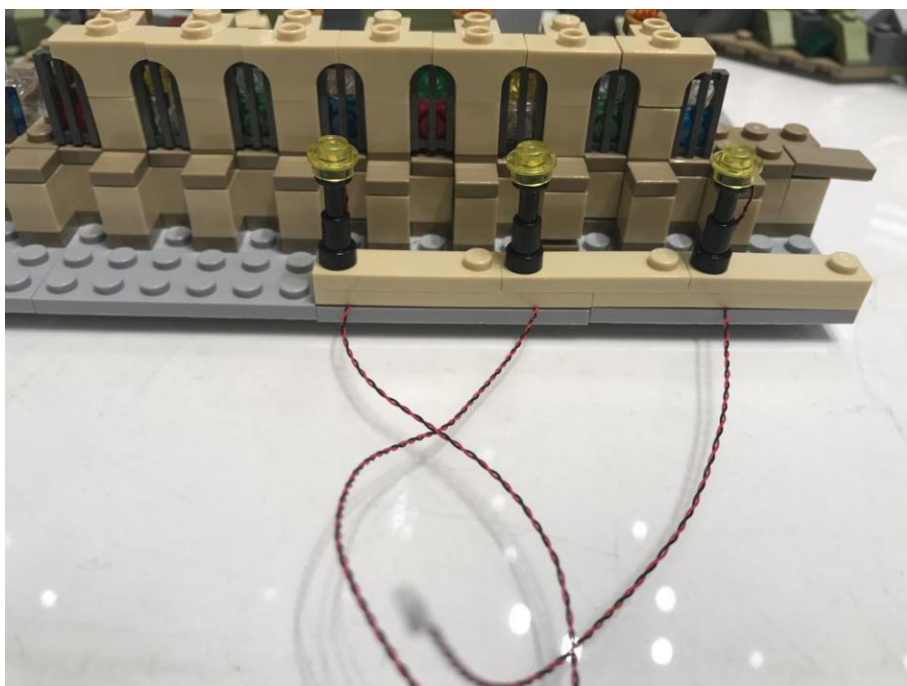
Install the street light on the base plate.



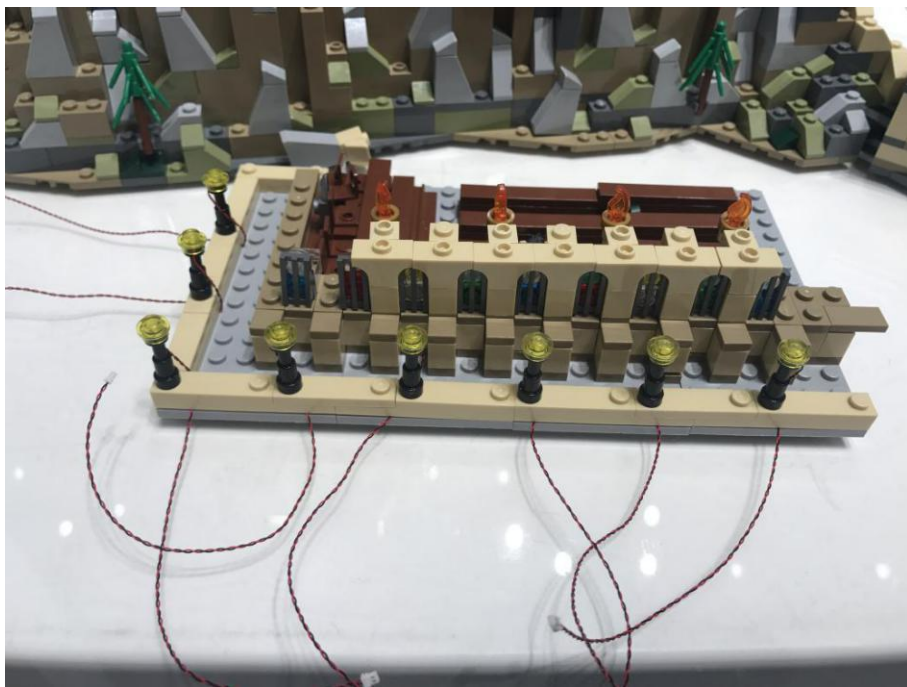
Repeat the process, as shown blew.



Reconnect the base plate and press the cable against the stud gap under the base plate, as shown below



Repeat the operation to complete the installation of all street lamps.



Now start installing the torch light on the hut on the right side of the castle.



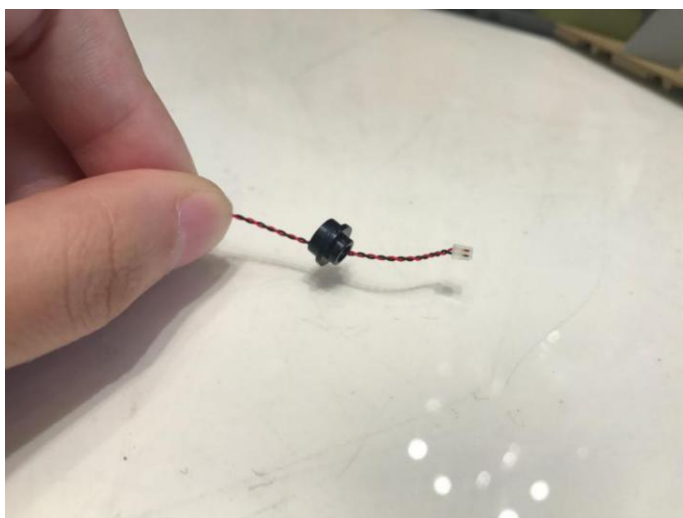
Remove the black and yellow round plates.



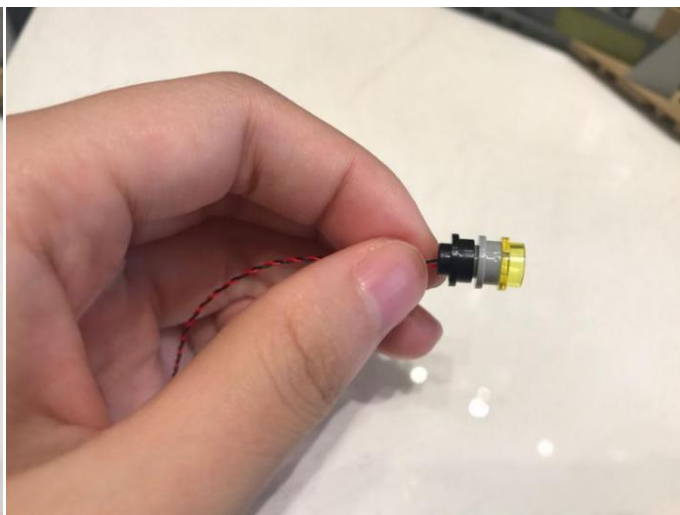
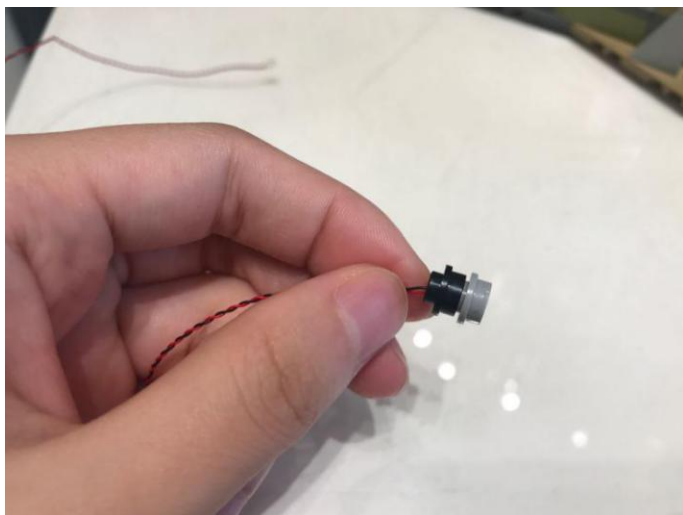
Take two 30cm warm white Dot Lights, 2 black small round plates with holes (no black small hole plate at hand, replace it with gray)



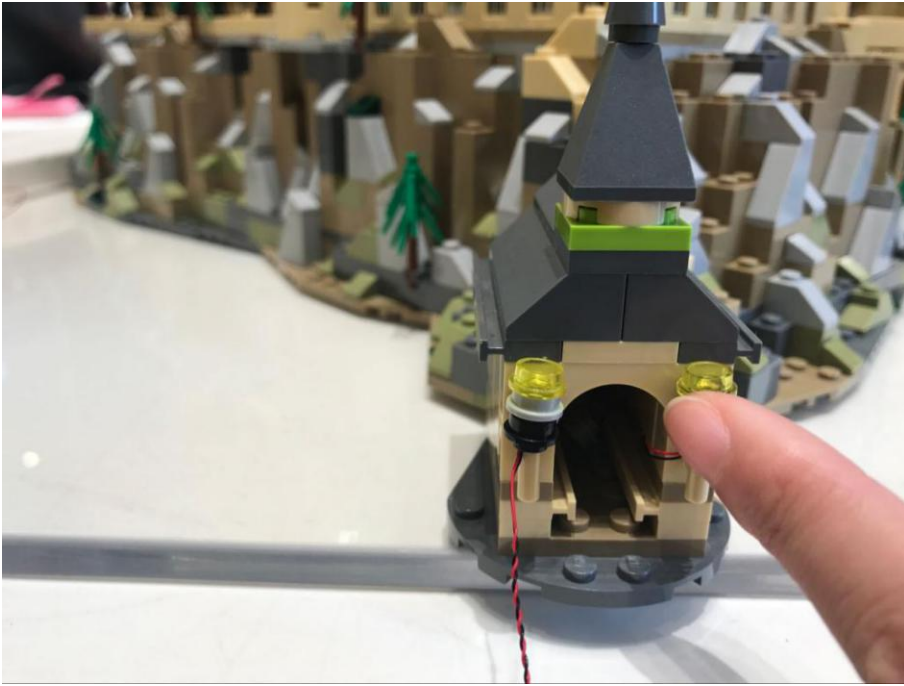
Take one of the 30cm warm white lamp dots, pull the plug end out from the side of the black large round hole, and turn the lamp face up.



Reconnect the yellow small round plate and the yellow small round plate to the cabin.



Repeat the process to the other torch.



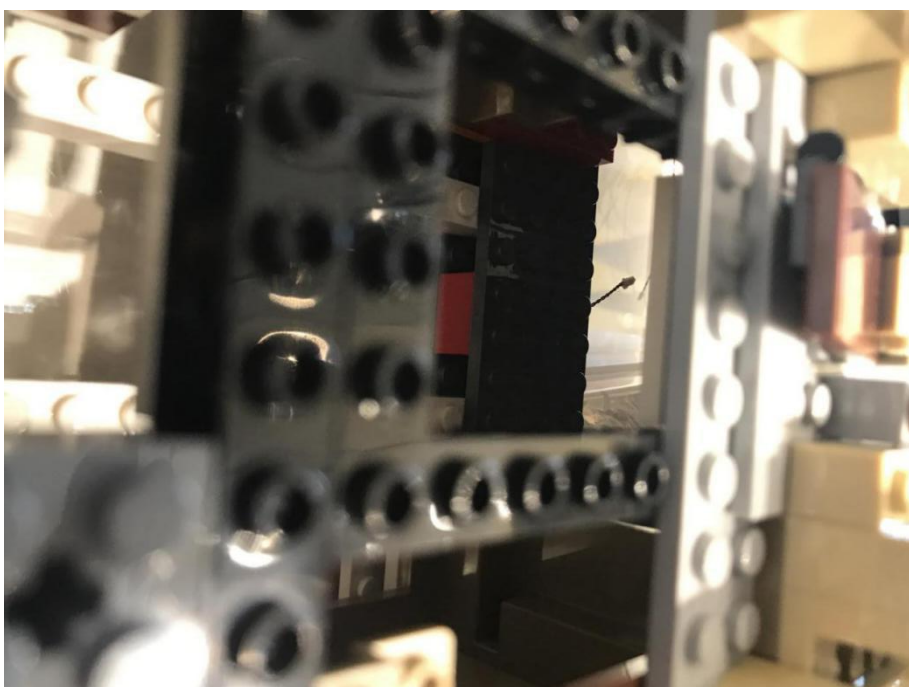
Remove the bottom of the cabin and pass the line from the inside of the cabin to the bottom of the castle



For the convenience of operation, the bottom plate is padded, slightly inclined, and attention is paid during operation to prevent slipping and collapse, which makes it difficult to restore.



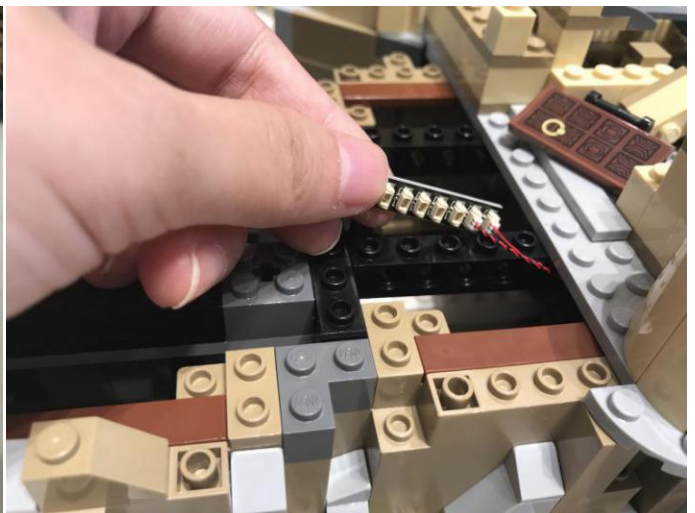
Insert the plug end of the just-installed torch light from the hole in the floor into the castle



Pull out from the inside castle.



Take a 8-port expansion board and connect the cable to two ports.



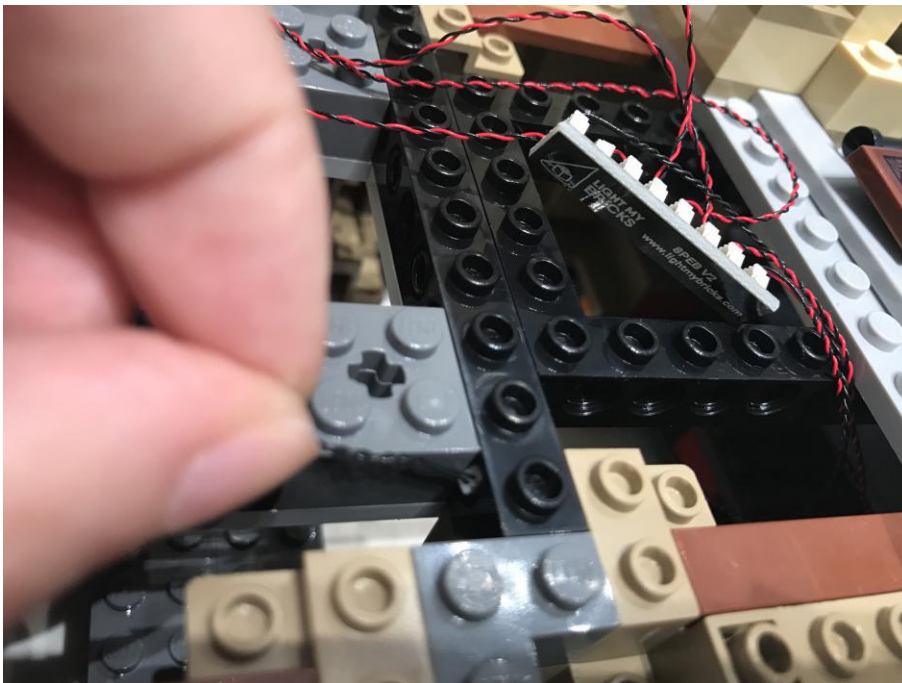
Take a 30cm cable and connect it to the 8-port expansion board.

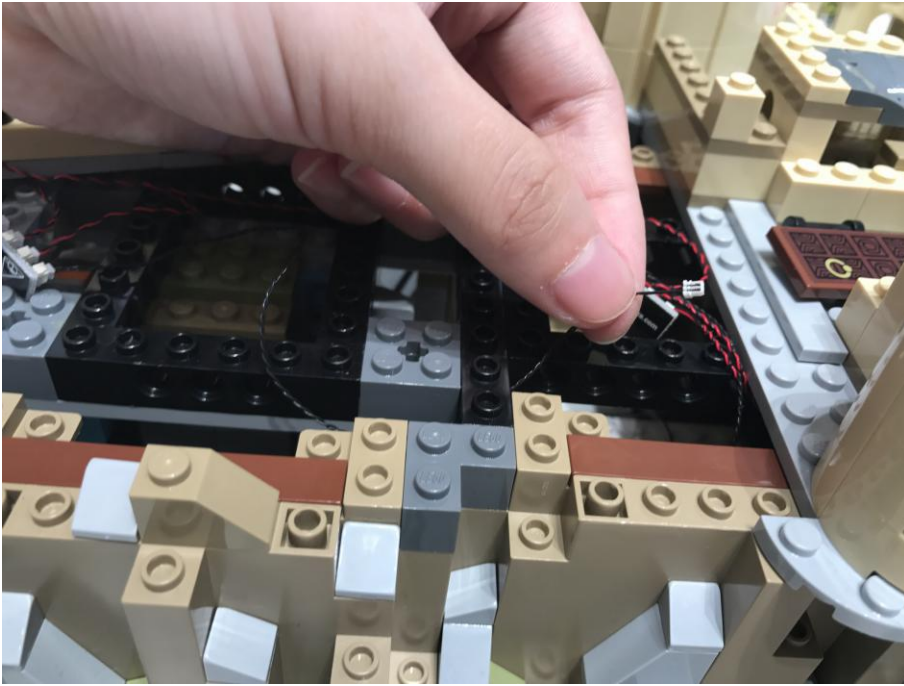


Take a 15cm cable and connect it to one of 6-port expansion boards.

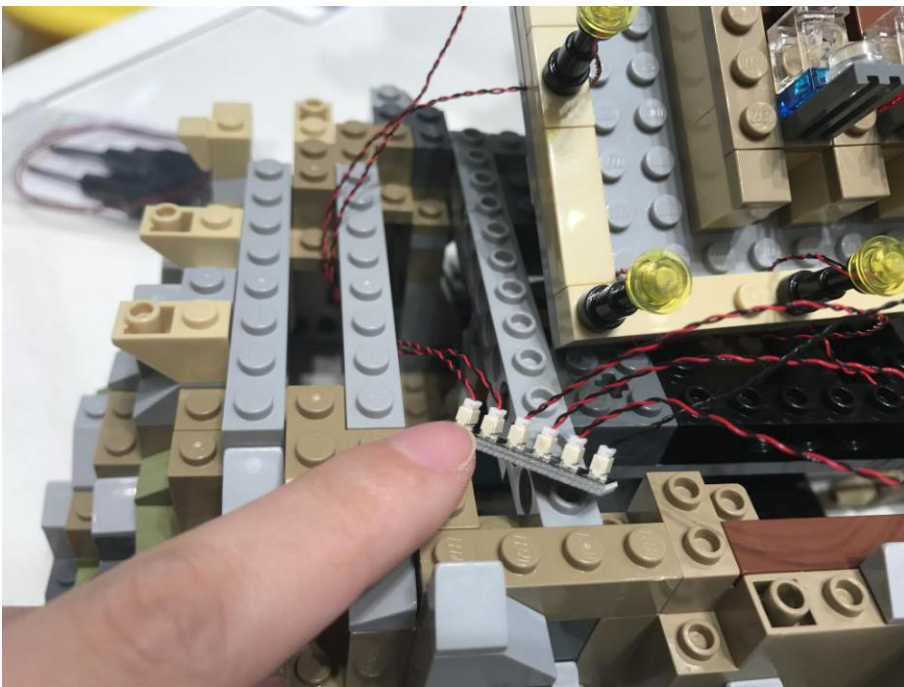


Plug the other end of the 15cm cable through the gap in the left side of the 8-port expansion board and connect it to the board.

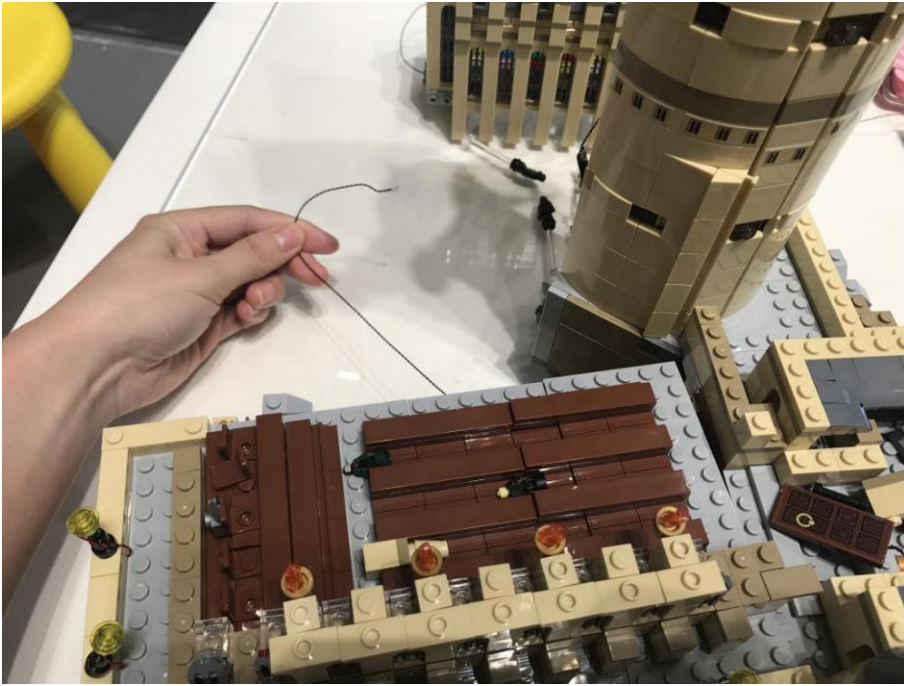




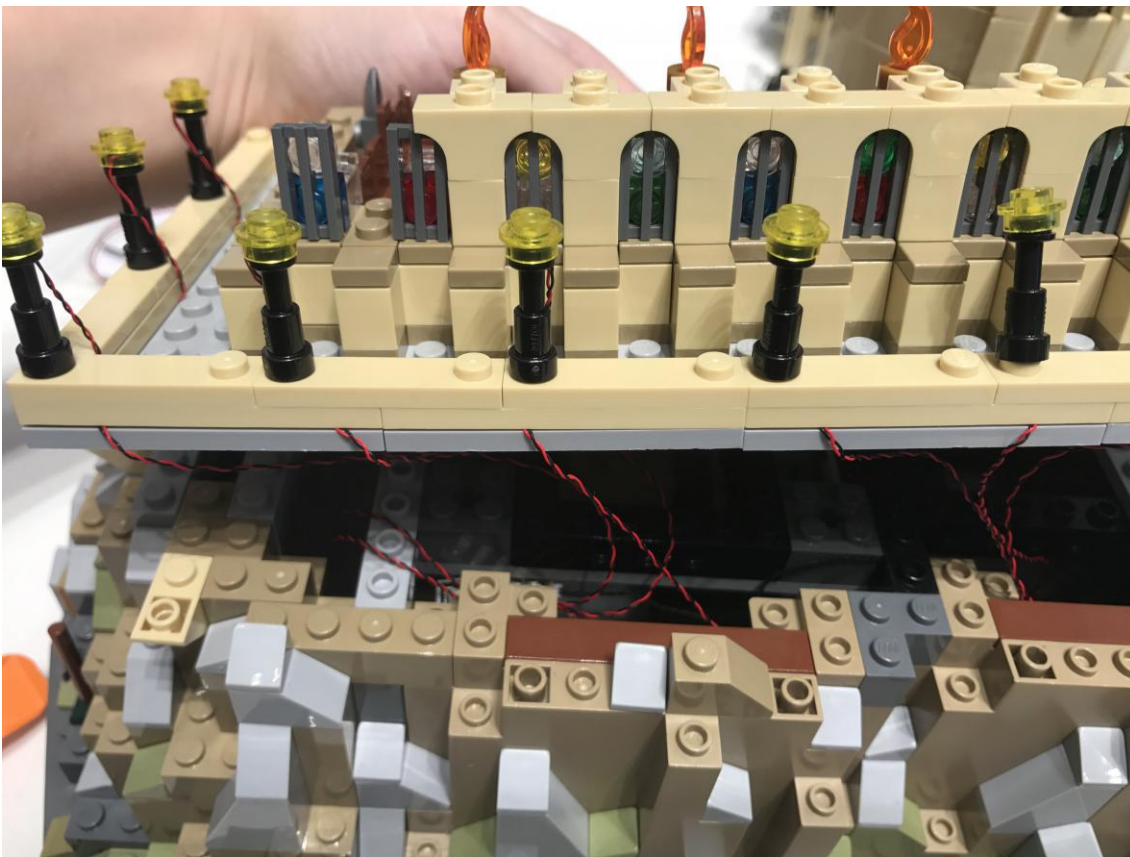
Pass the two street light plug ends on the left side under the gray base board, connect to the 6-port expansion board, and connect the remaining street lights to the 6- or 8-port expansion board.



Pull the 30cm cable from the 8-port expansion board from the first level of the "snake hole".



Hide all the cables and boards from the streetlights in the gap under the base plate. Note: Try to place the cable between the stud gaps, otherwise there will be a big gap when the bottom plate is installed back.



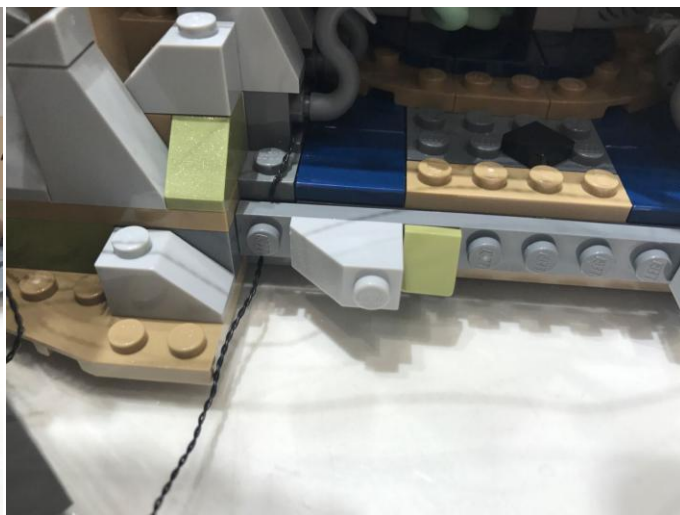
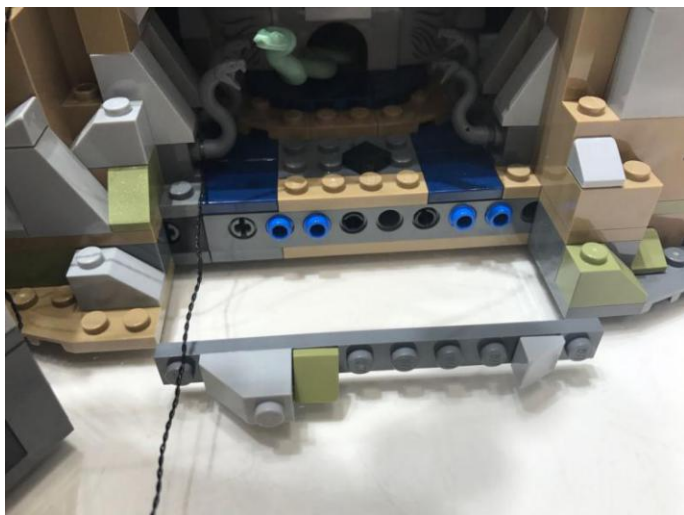
Reconnect the bottom plate, now the street lights are installed.



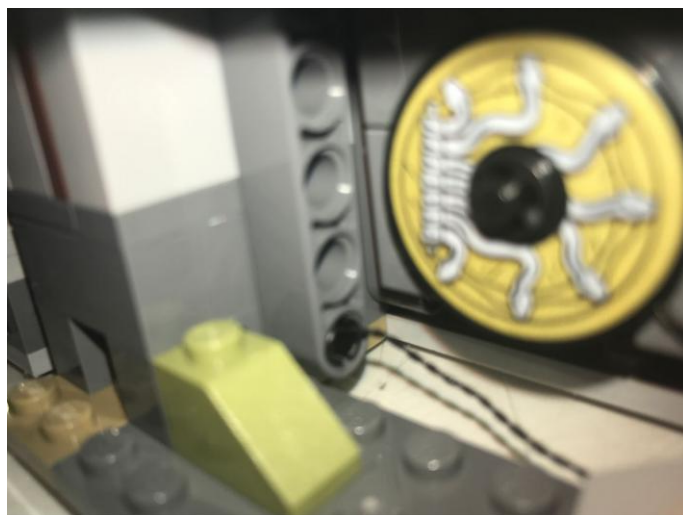
Reconnect the cabin floor



Remove the base plate of the "snake house" and press the 50cm connecting cables pulled out from the "snake house" under the plate.



Pull the 50cm cable to the left and pull it out from the bottom of the tower. Pass the hole in the left side of the bottom of the tower and pull it to the left to connect to the first part.



Connect the 50cm cable to the front 8-seat socket, wrap it around the socket according to the slack of the cable, connect the USB power supply to the 8-seat socket, and then stick the socket to the top



Finally we complete this kit, enjoy it!

