

GREAT WALL OF CHINA #21041 LED Lighting Kit

Package contents:

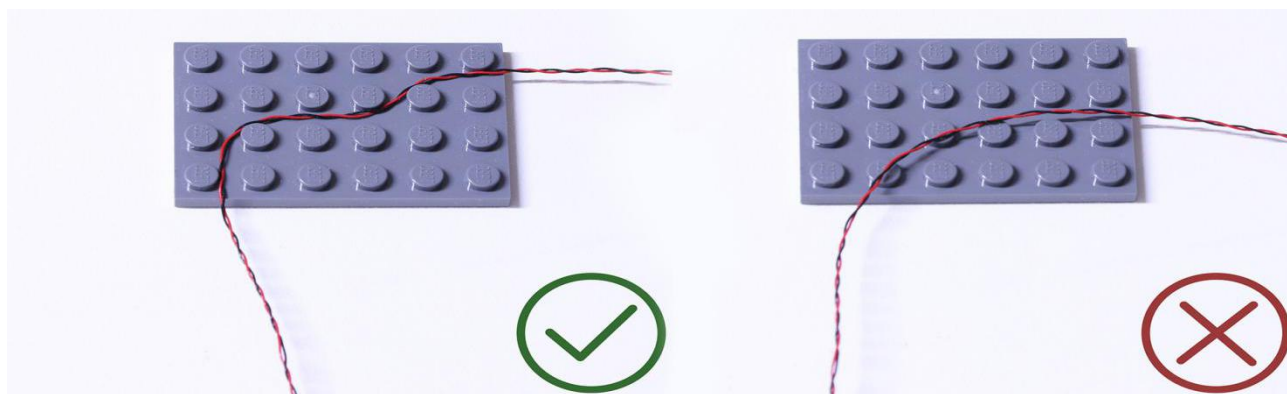
- 6 X 15cm White Dot Lights
- 2 X 30cm Warm White Dot Lights
- 4 X 30cm White Dot Lights
- 2 X 8-port Expansion Boards
- 1 X Flat Battery Pack
- 1 X 5cm Connecting Cables

Extra LEGO pieces

Note:

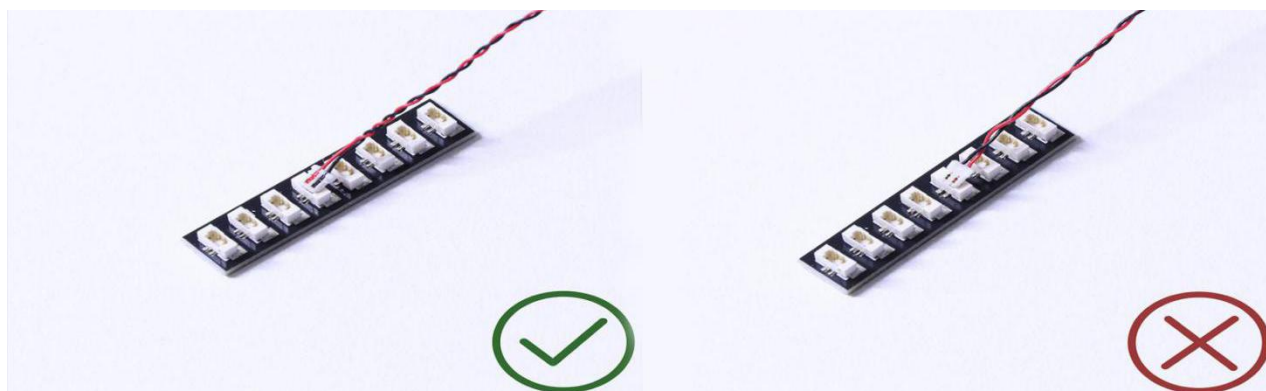
Place wires on the surface or under the LEGO building blocks.

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

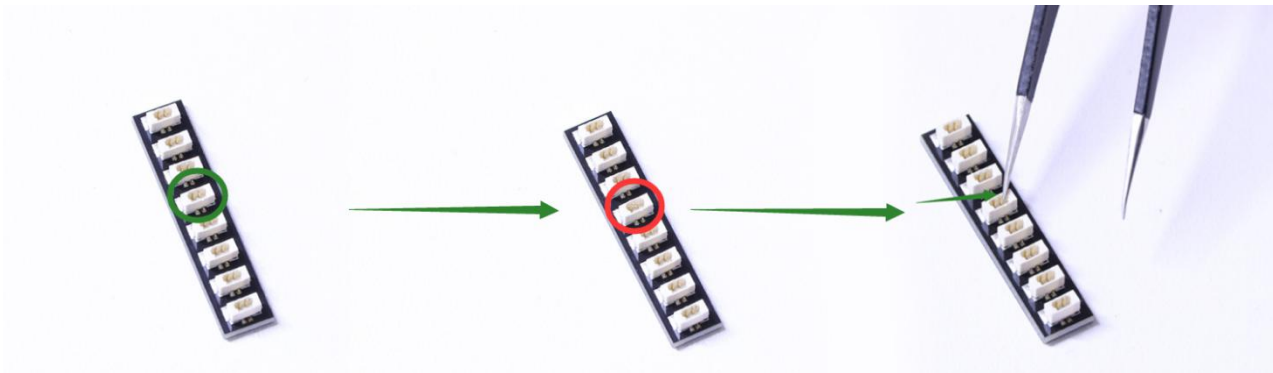


Insert the connectors to the ports.

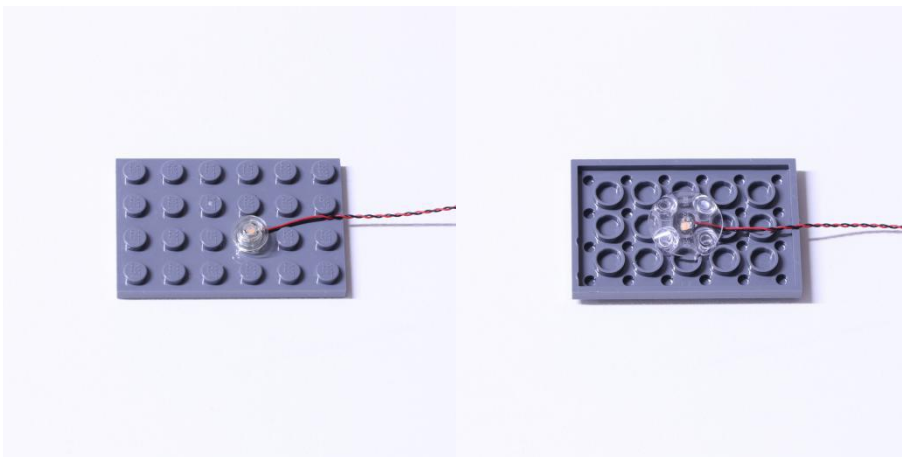
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

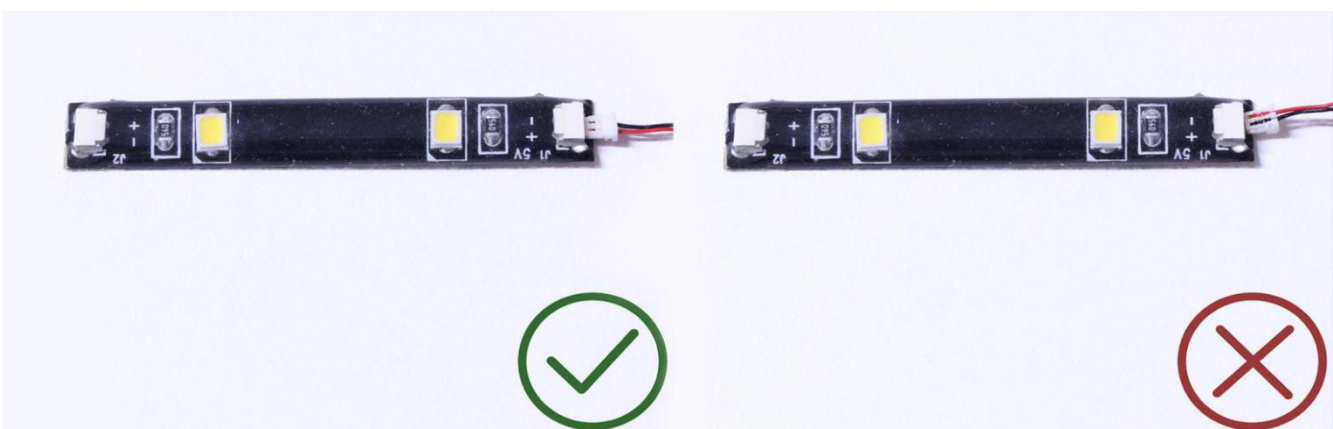


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

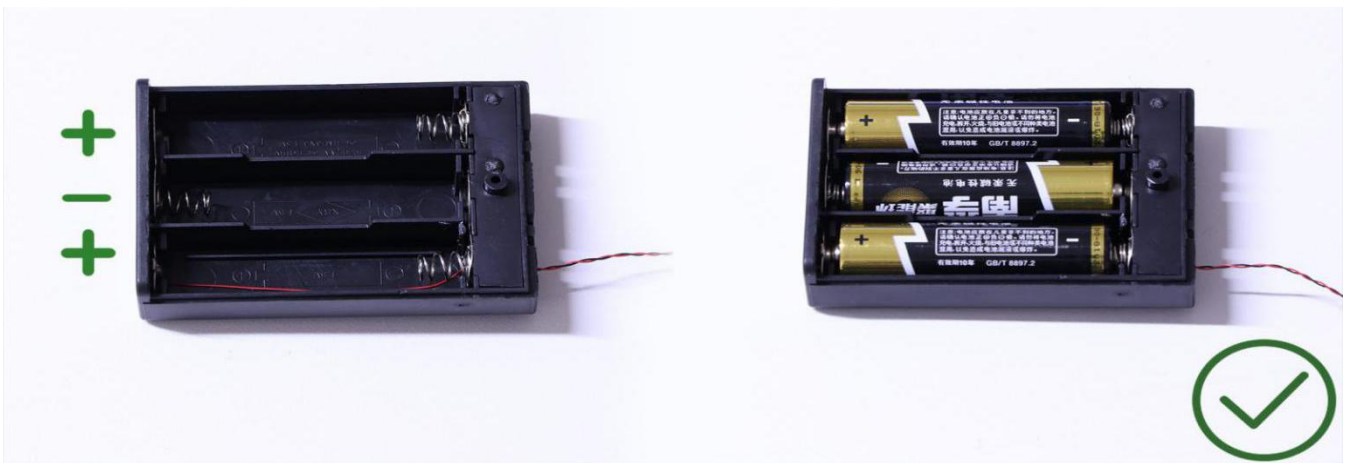


Connecting cable connectors to Strip Lights

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.

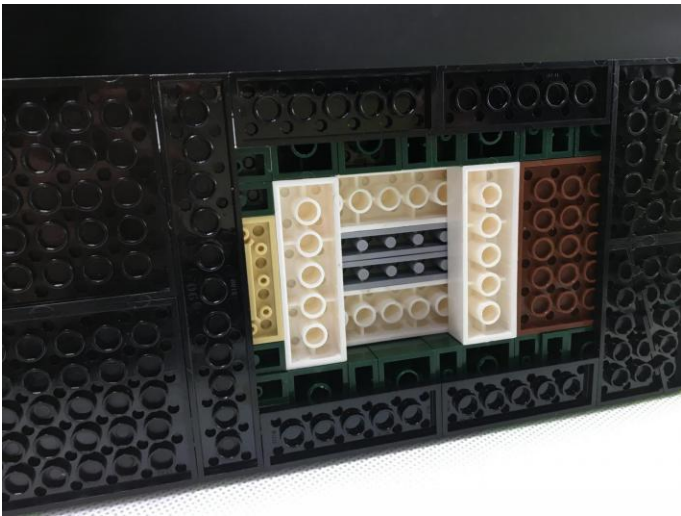


Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.



OK, Let's Begin!

Remove the following plates from the bottom of the Great Wall, connect the 2x6 plates to the places as per below



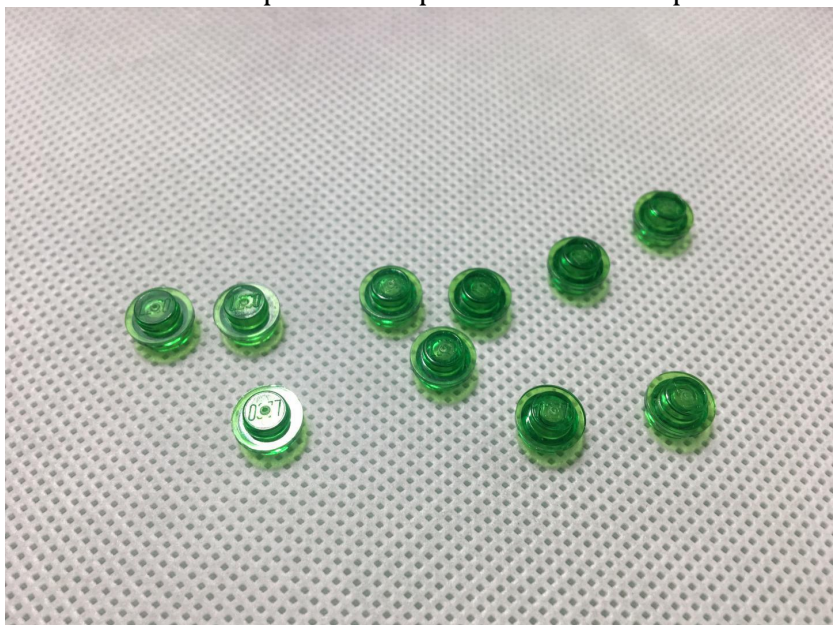
Take the 1x6 plates and connect them to the following positions

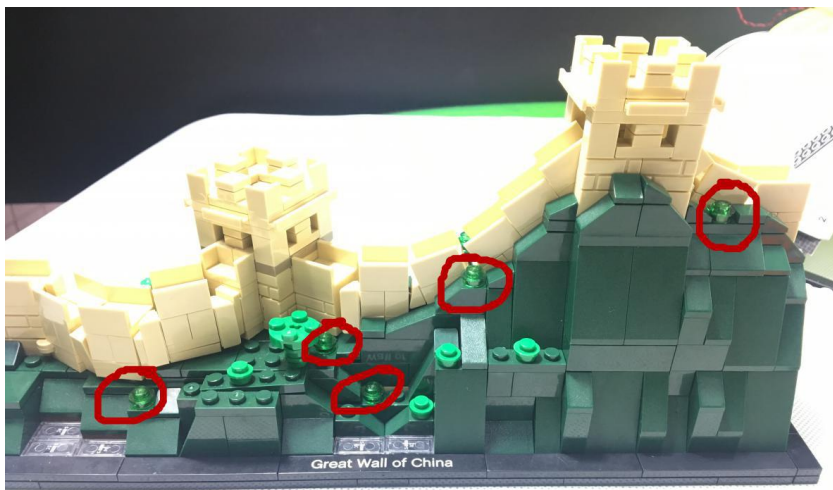


Disconnect the 2 white pieces



Take 10 trans blue pieces to replace the nontransparent ones

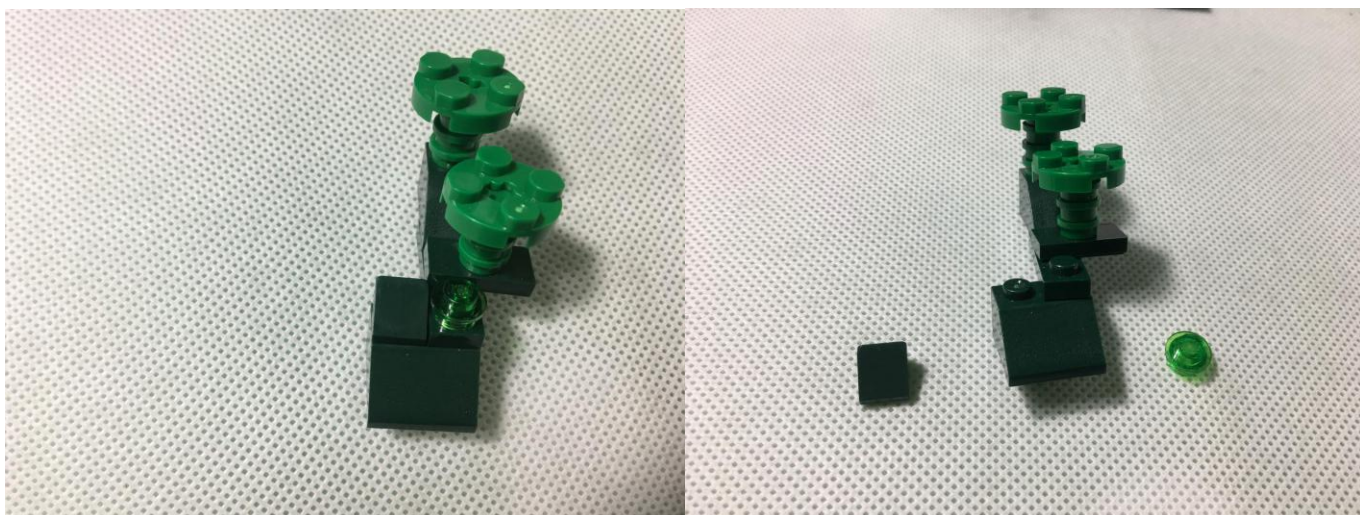




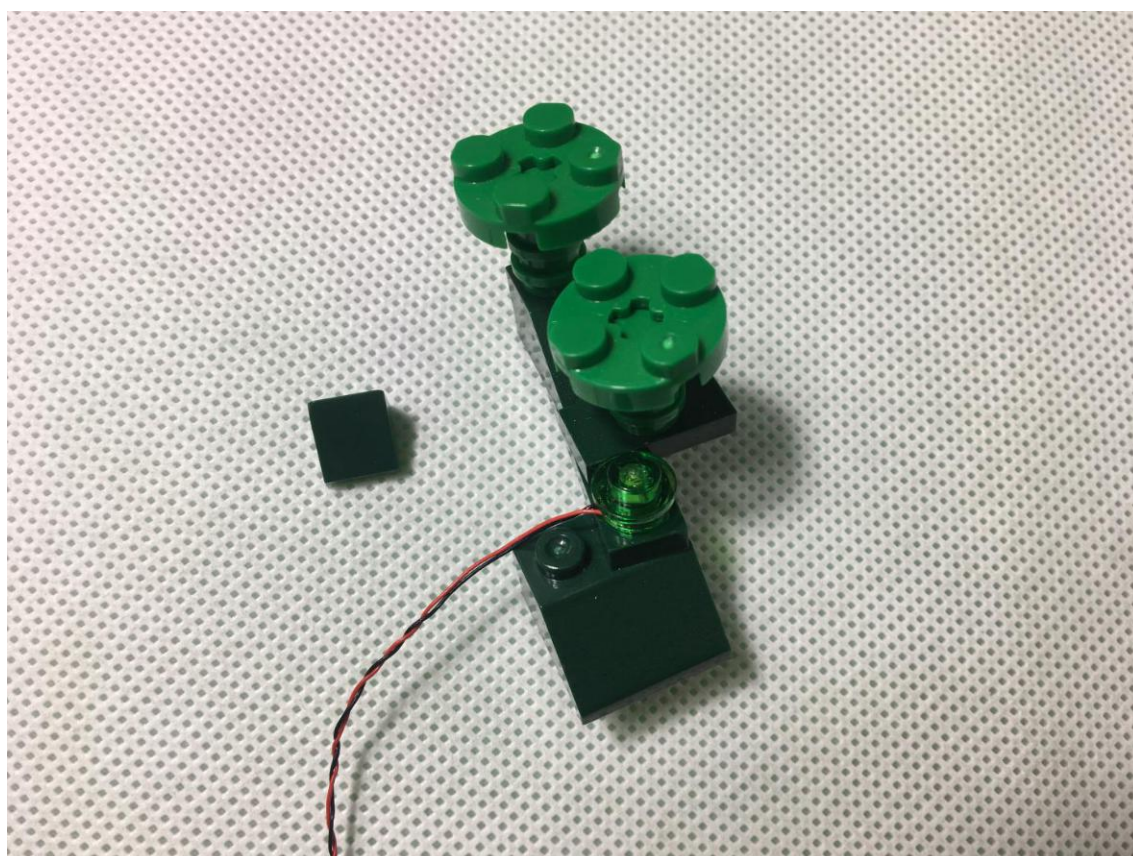
Remove the following pieces

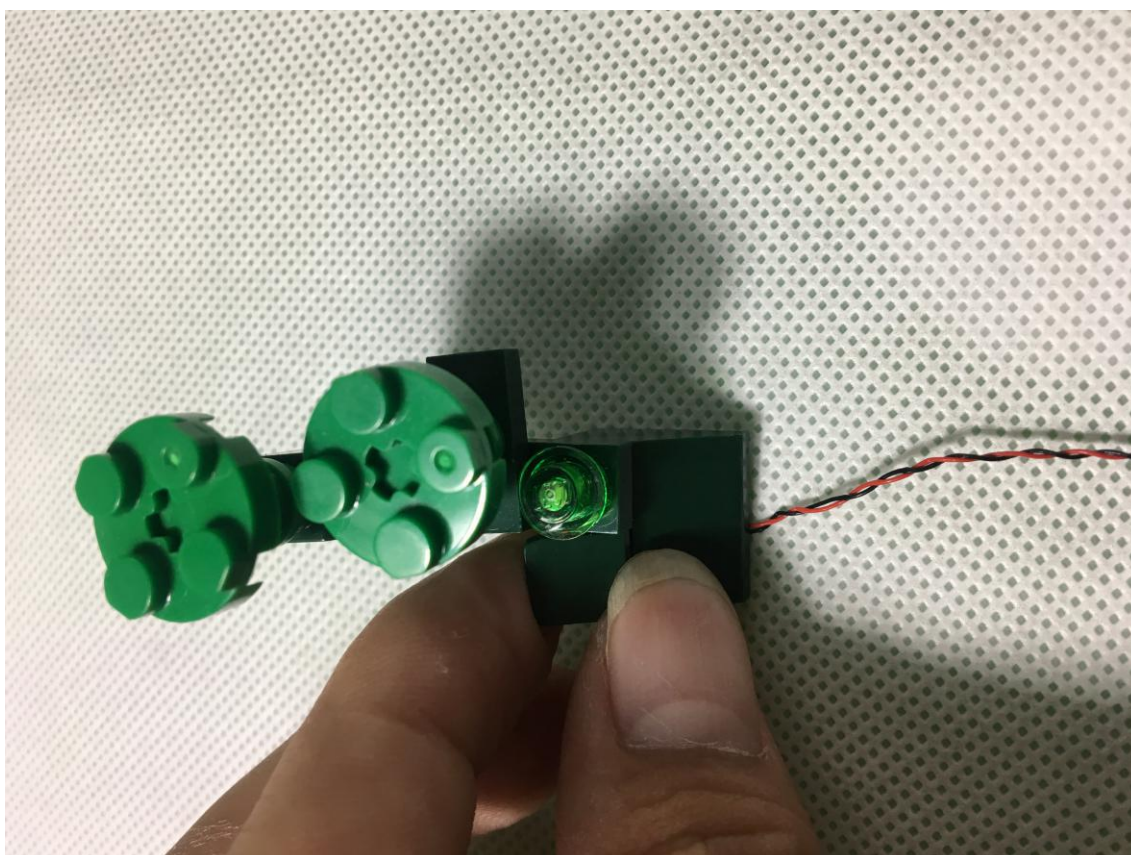
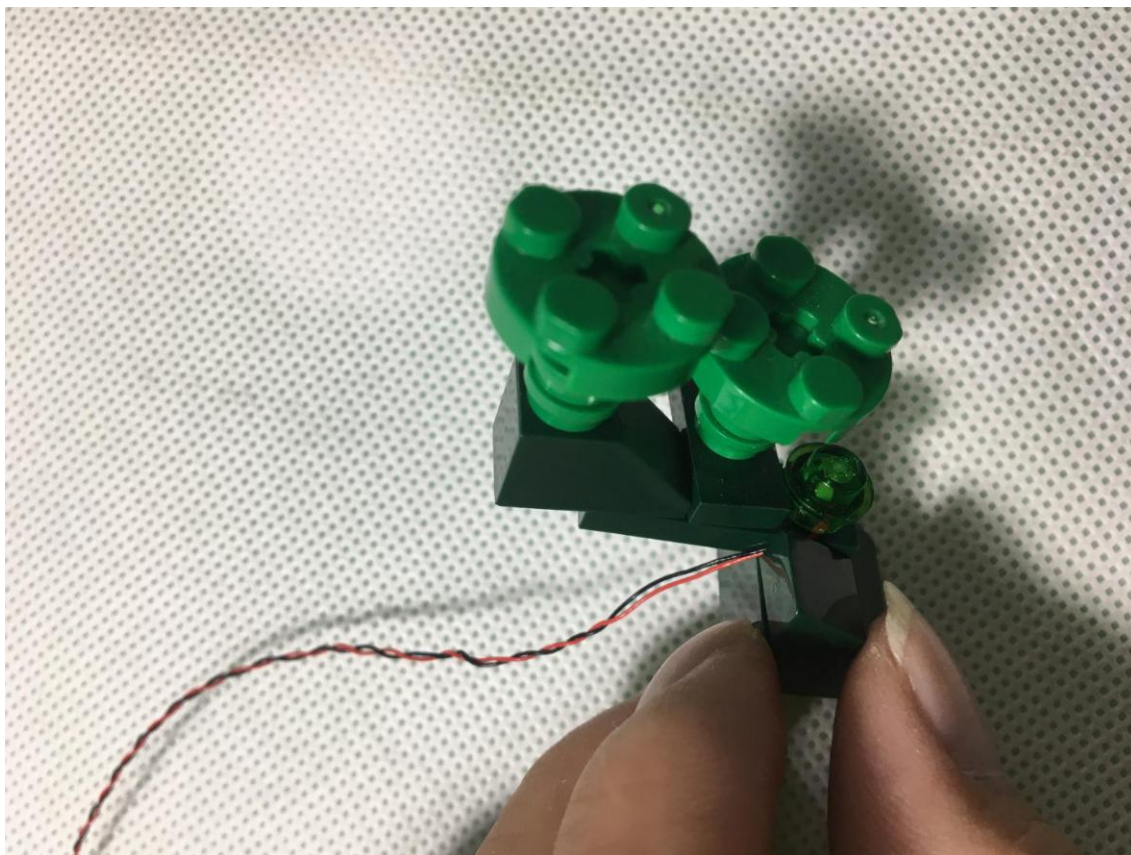


Continue to remove the pieces as per below

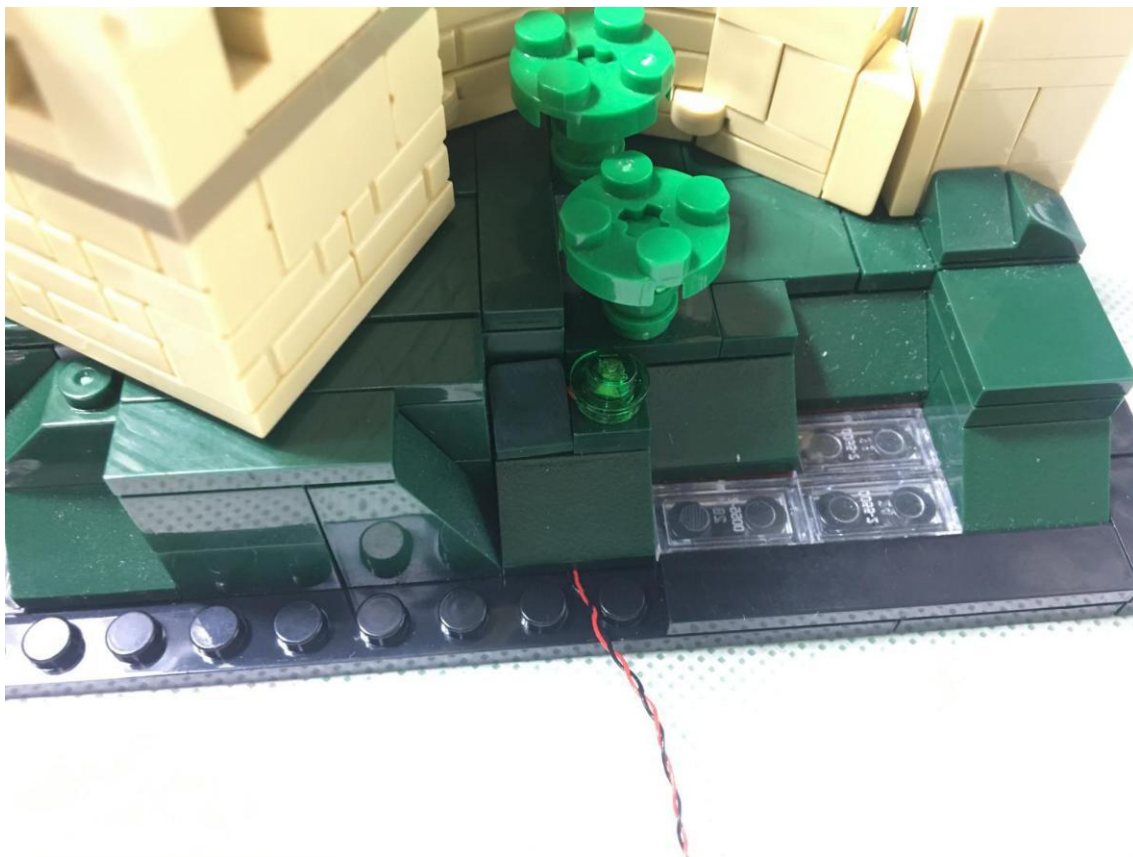


Take a 30cm white Dot Light, secure it to the inside of the trans blue piece.

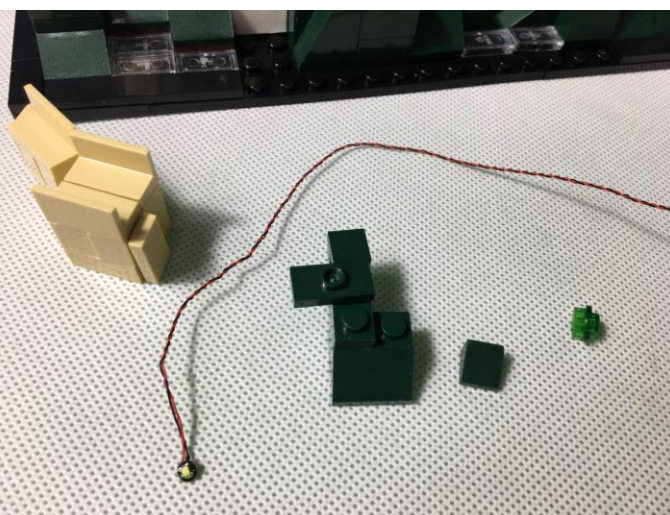
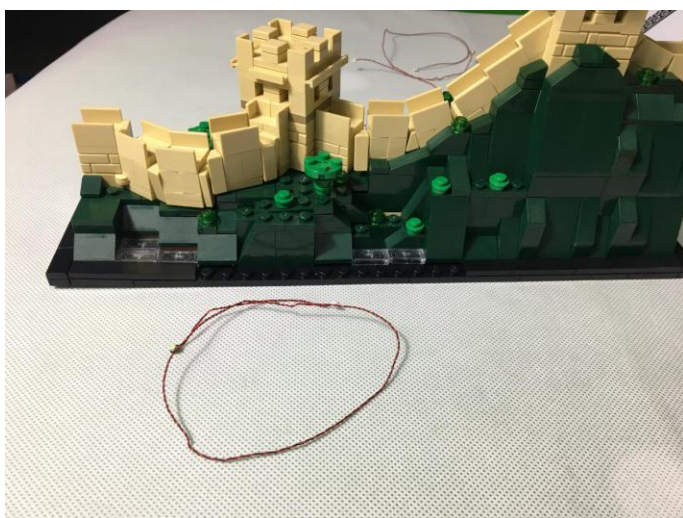




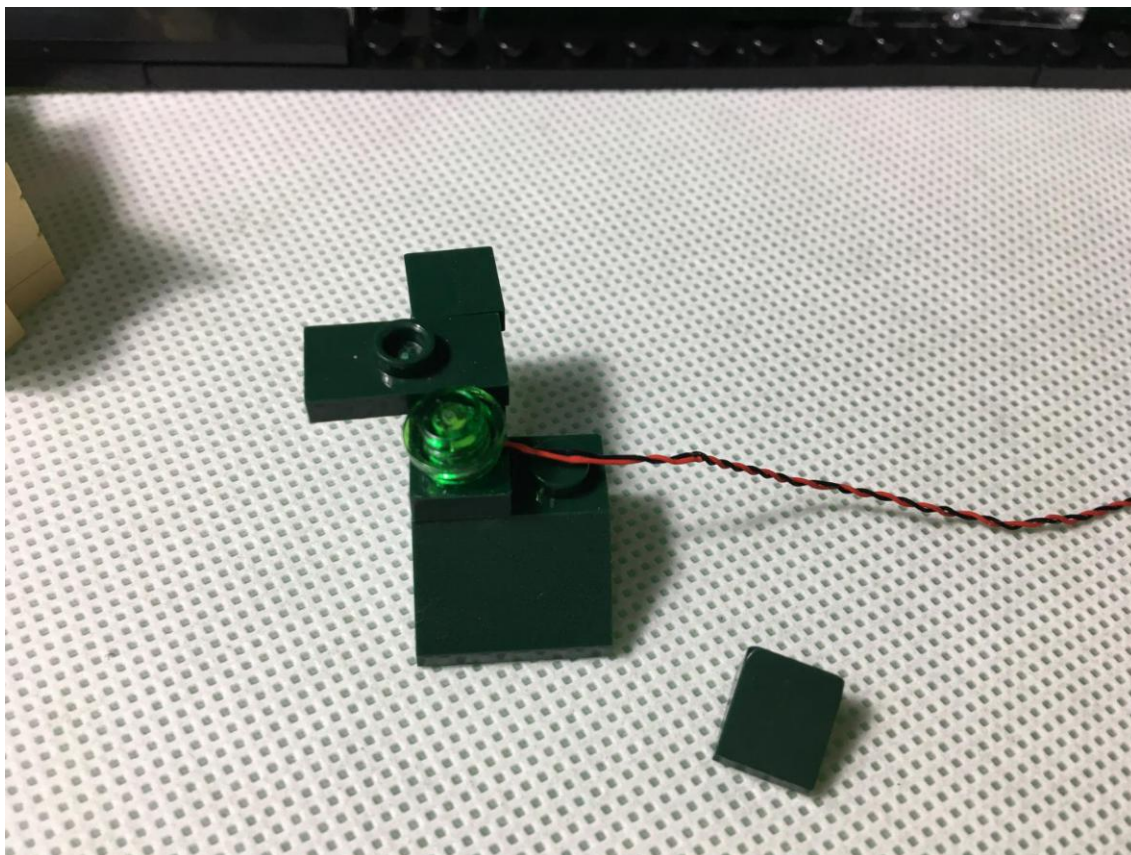
Reconnect the pieces, remember to place the cables in between studs



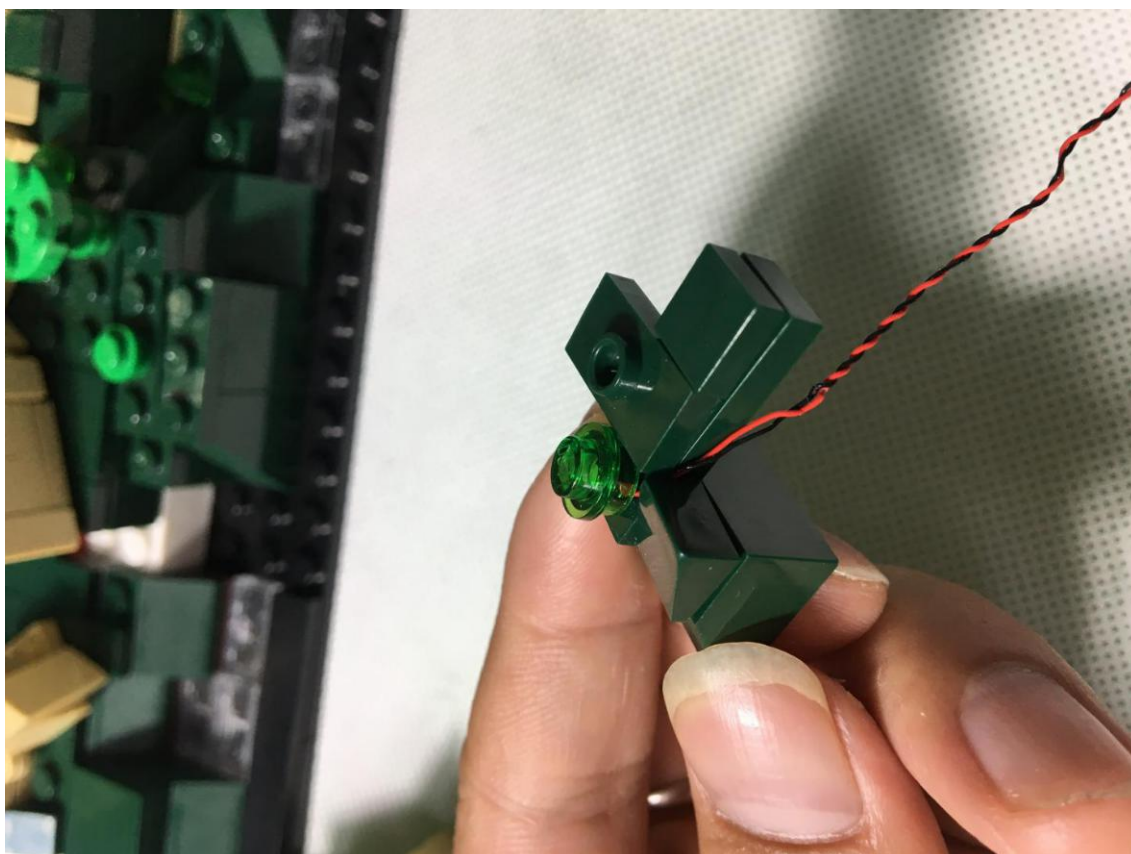
Take another 30cm white Dot Light, remove the following pieces

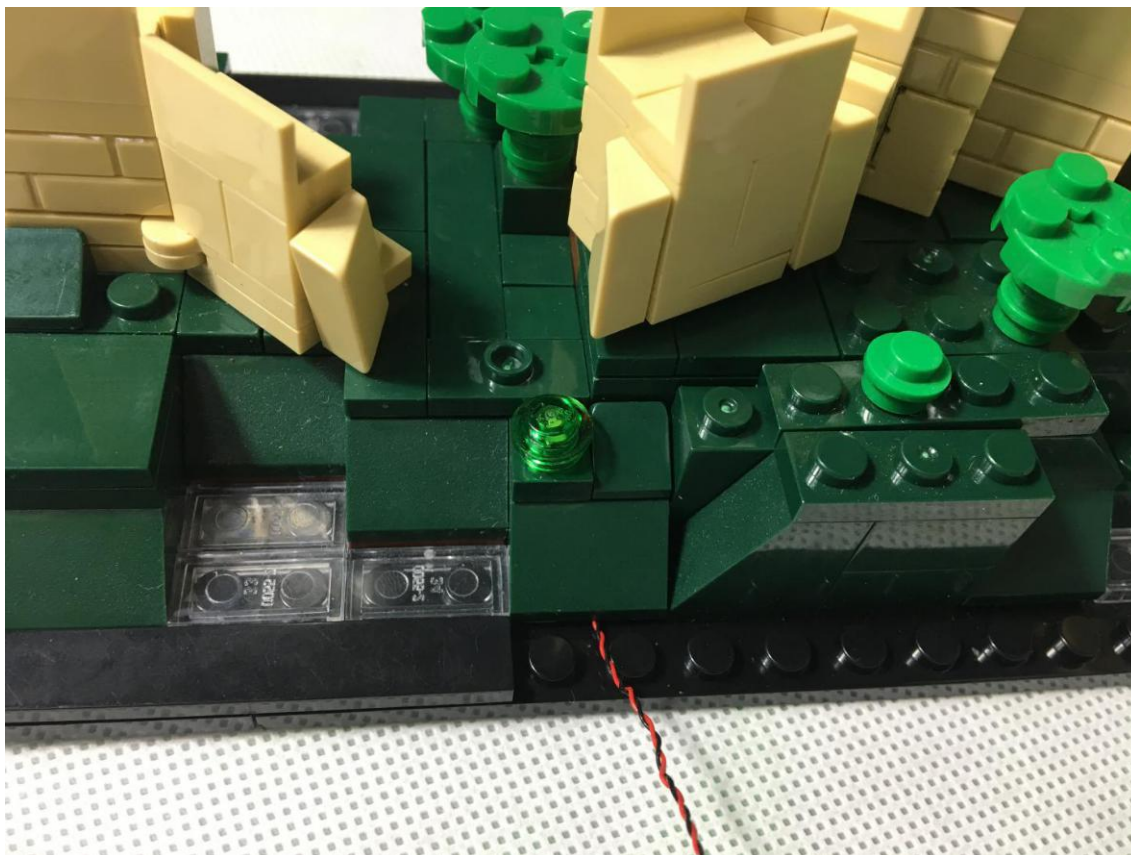


Connect the light as we did before

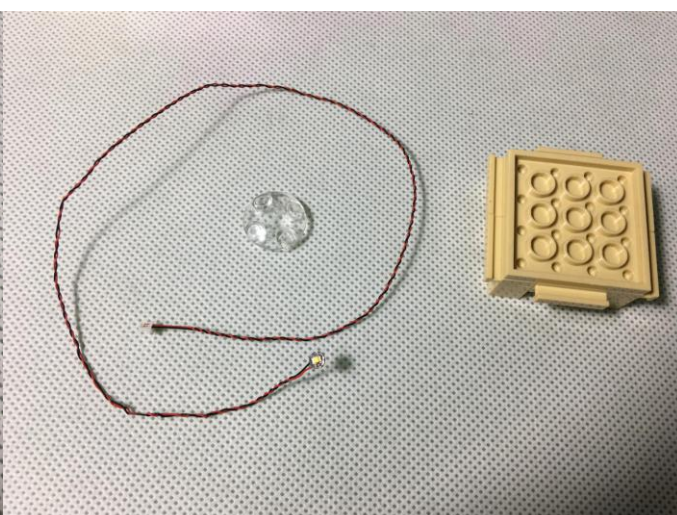
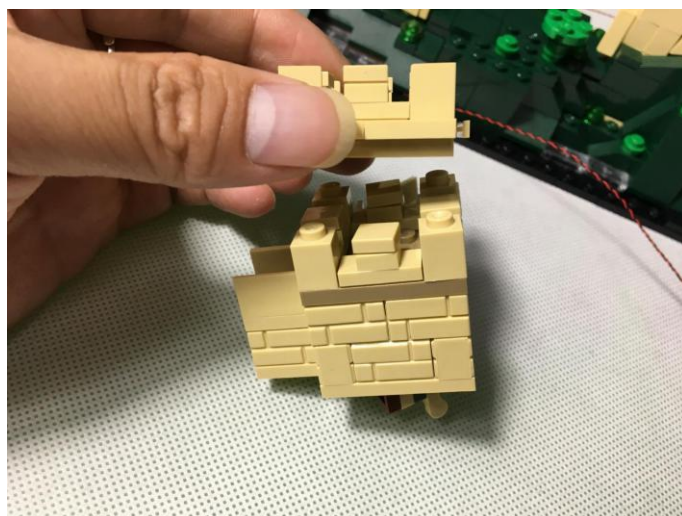
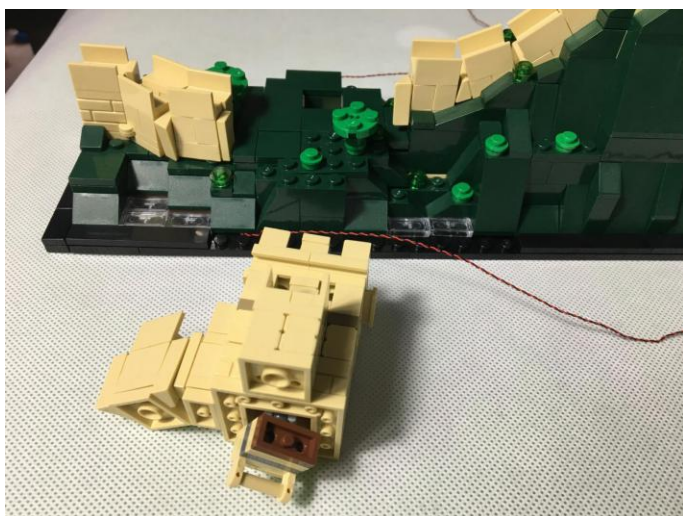


Reconnect the pieces we removed before, place the cable in between studs

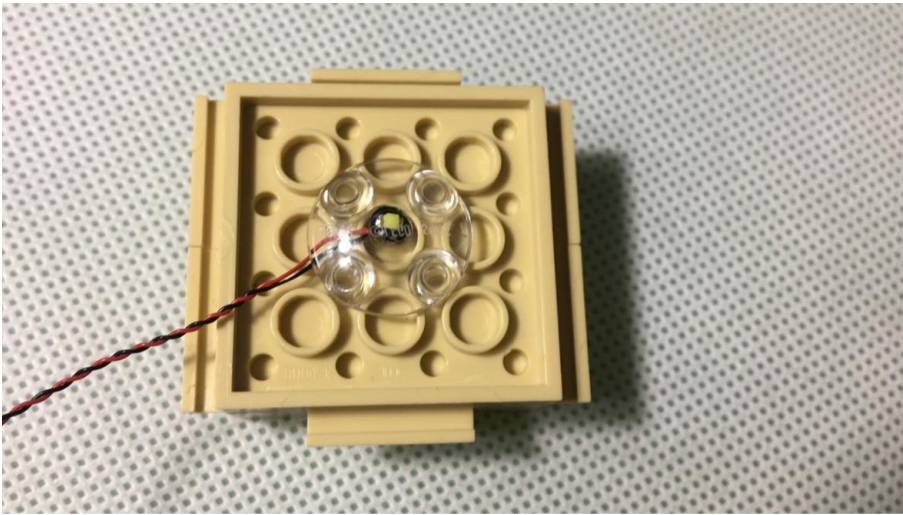




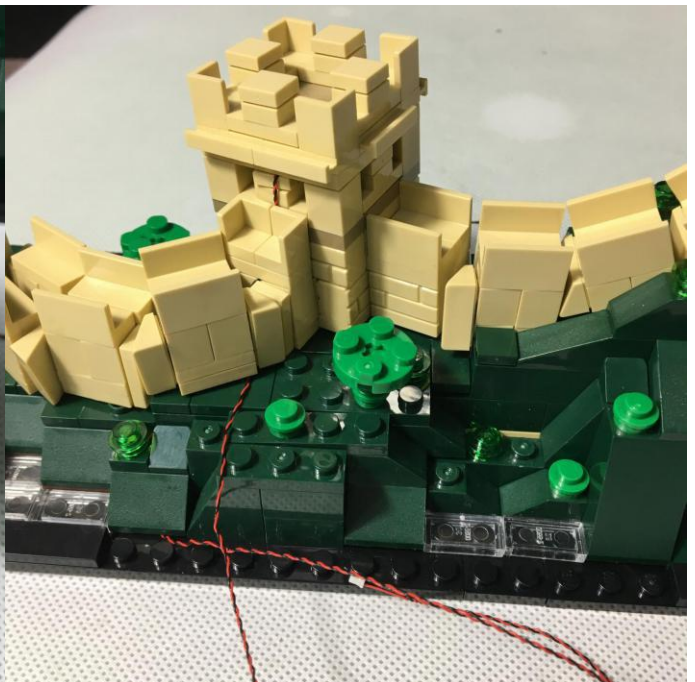
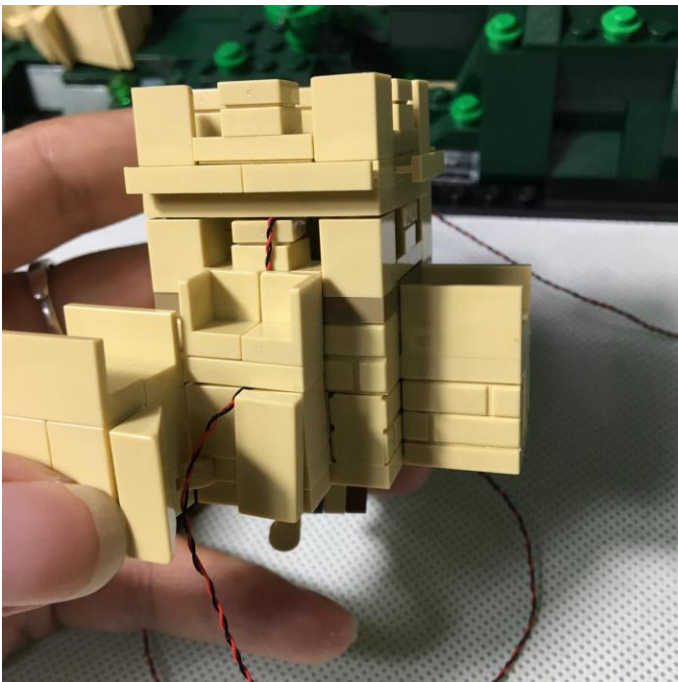
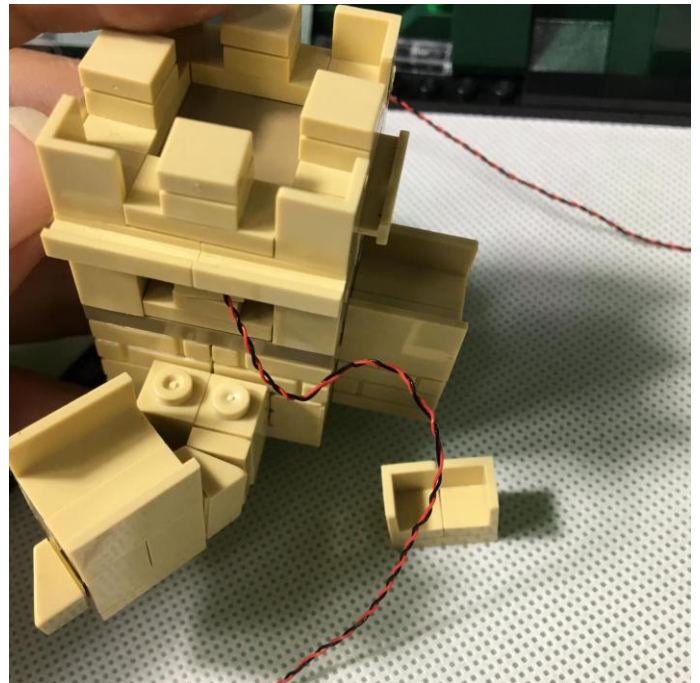
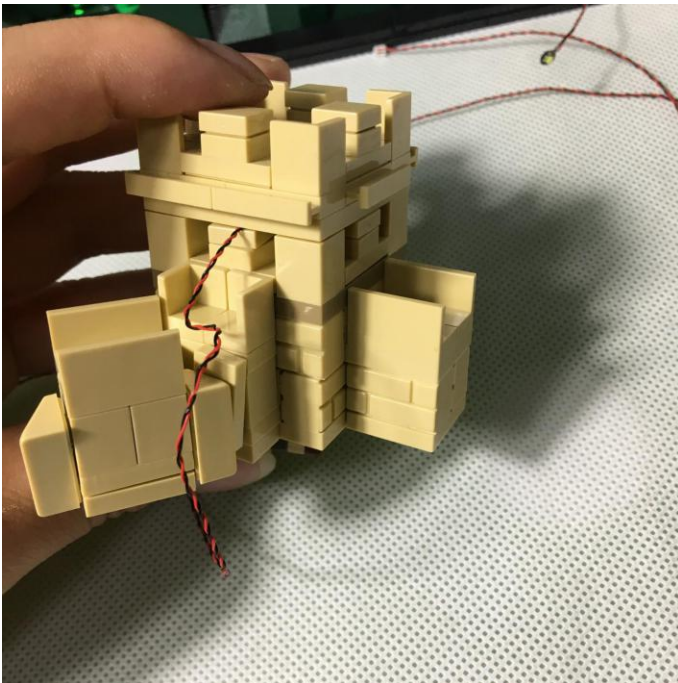
Remove the following tower, disconnect its roof, take the trans piece and a 30cm warm white Dot Light from the kit



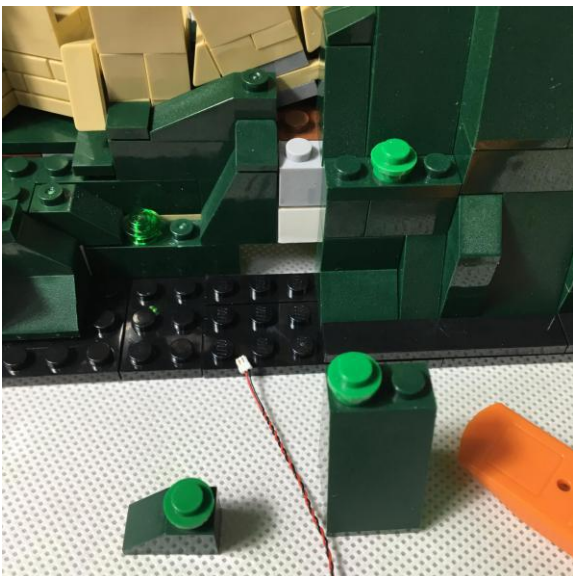
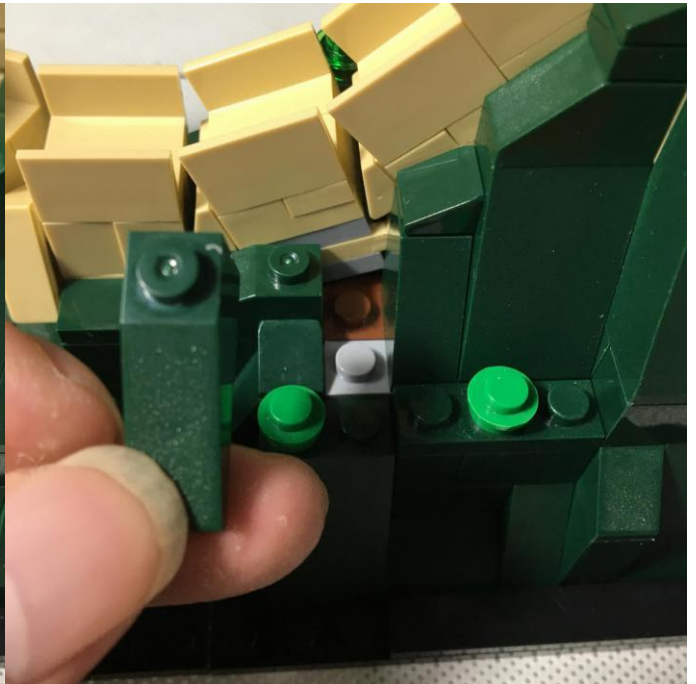
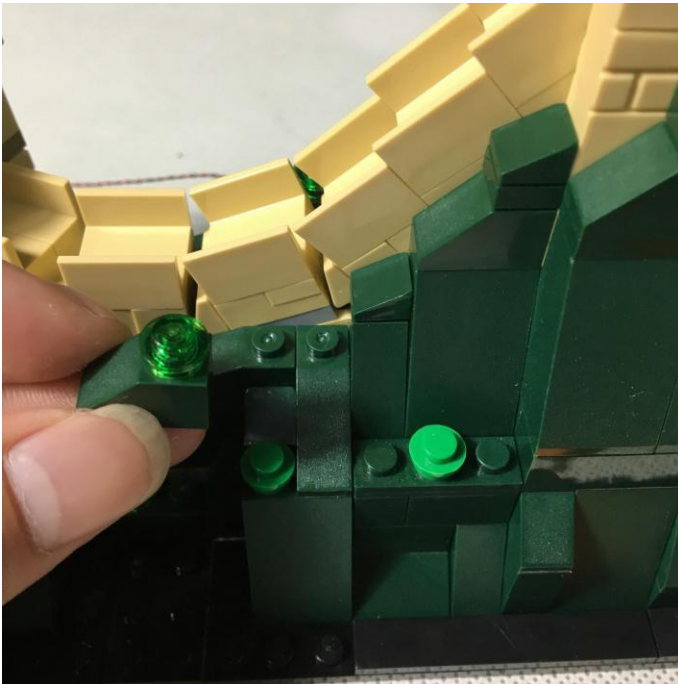
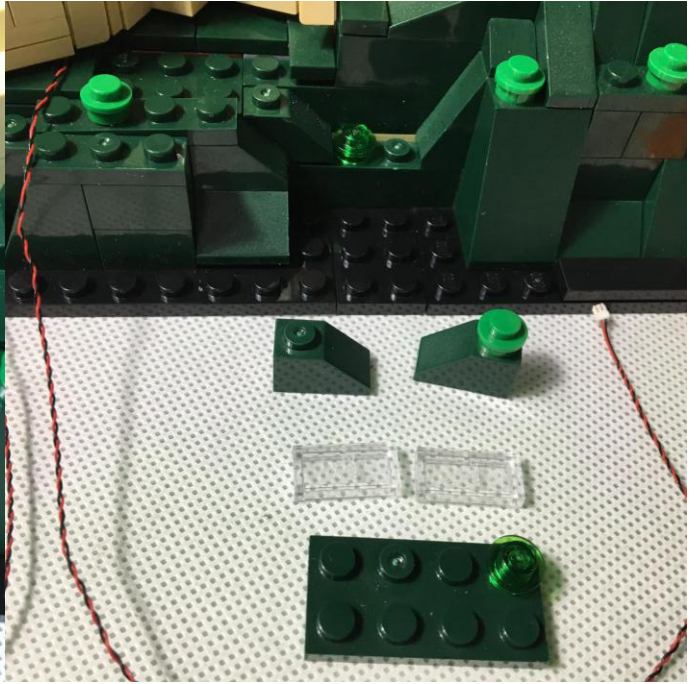
Secure the Dot Light as per below



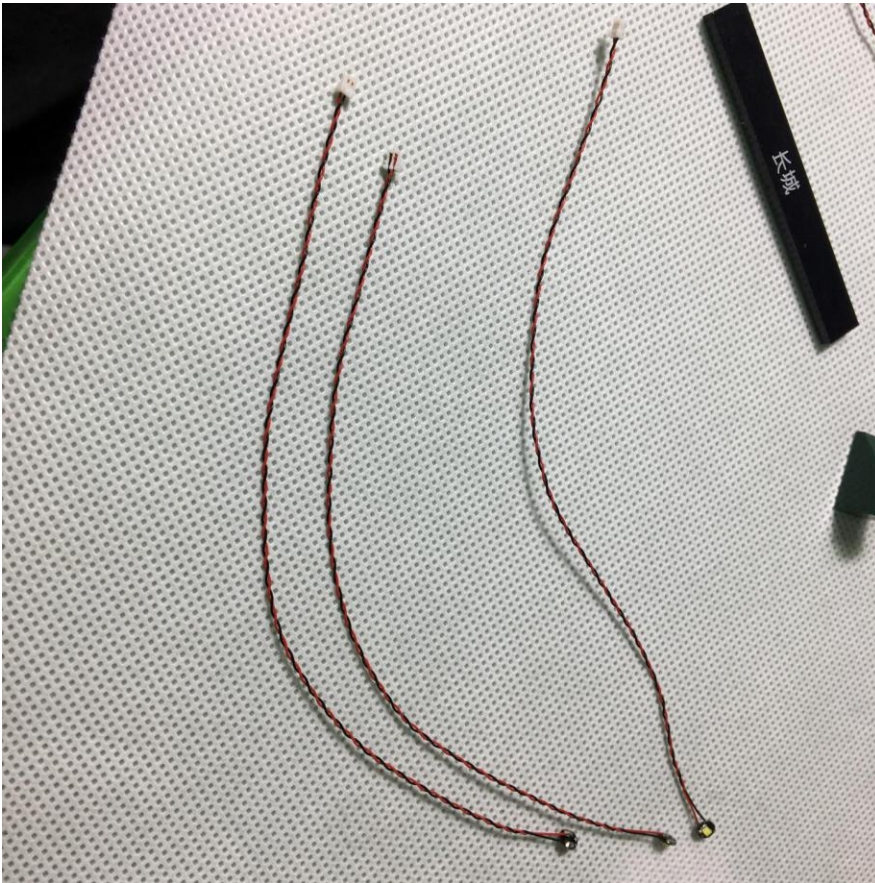
Make sure you place the cable correctly as per below



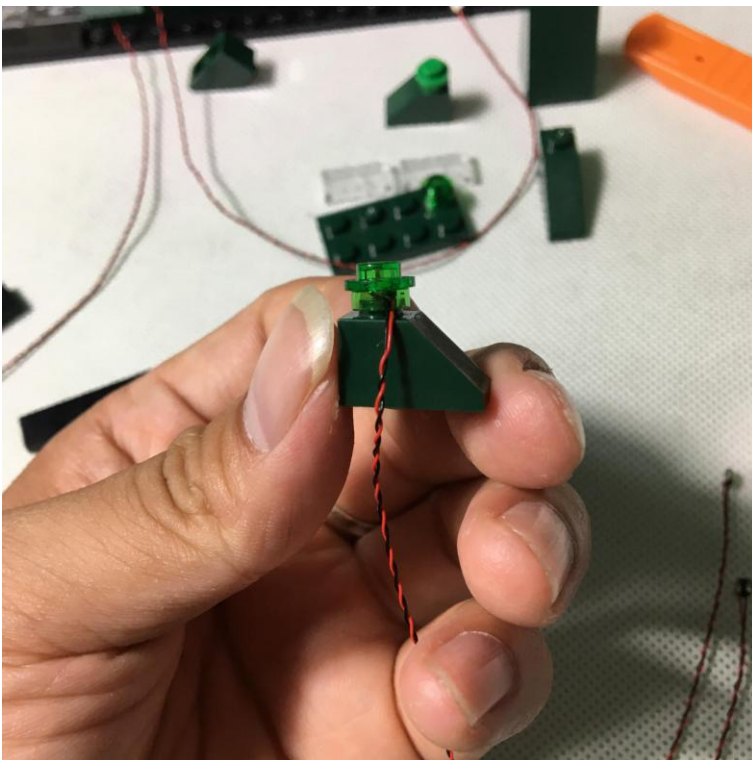
Remove the following pieces



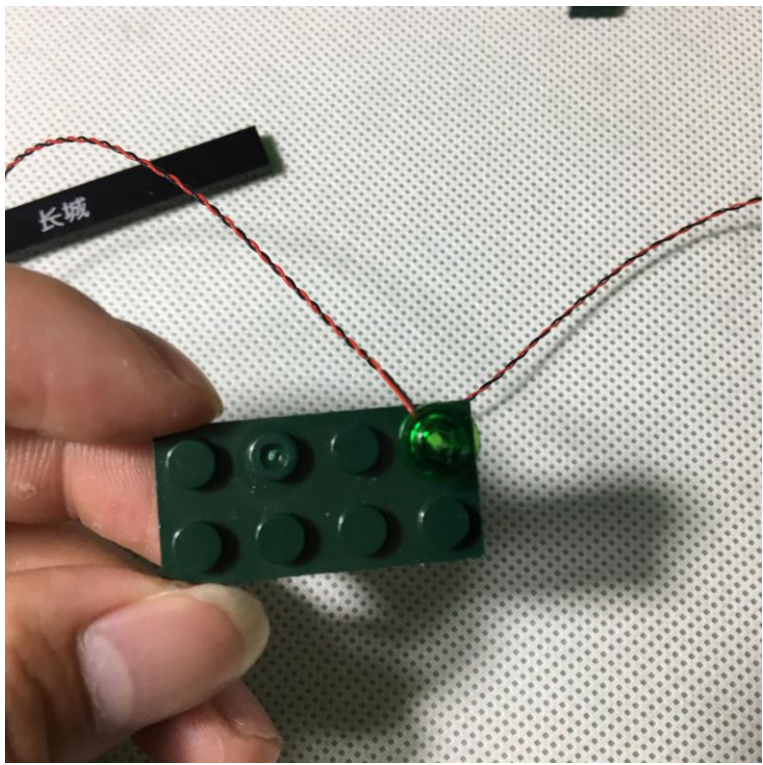
Take 3 white 15cm Dot Lights



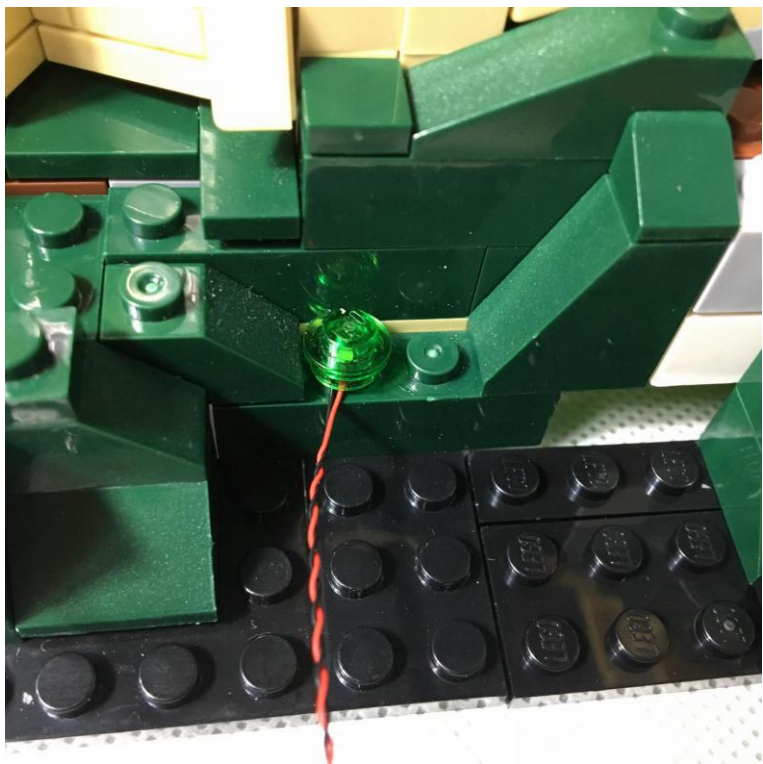
Connect the first light as per below, also remember to place the cable correctly



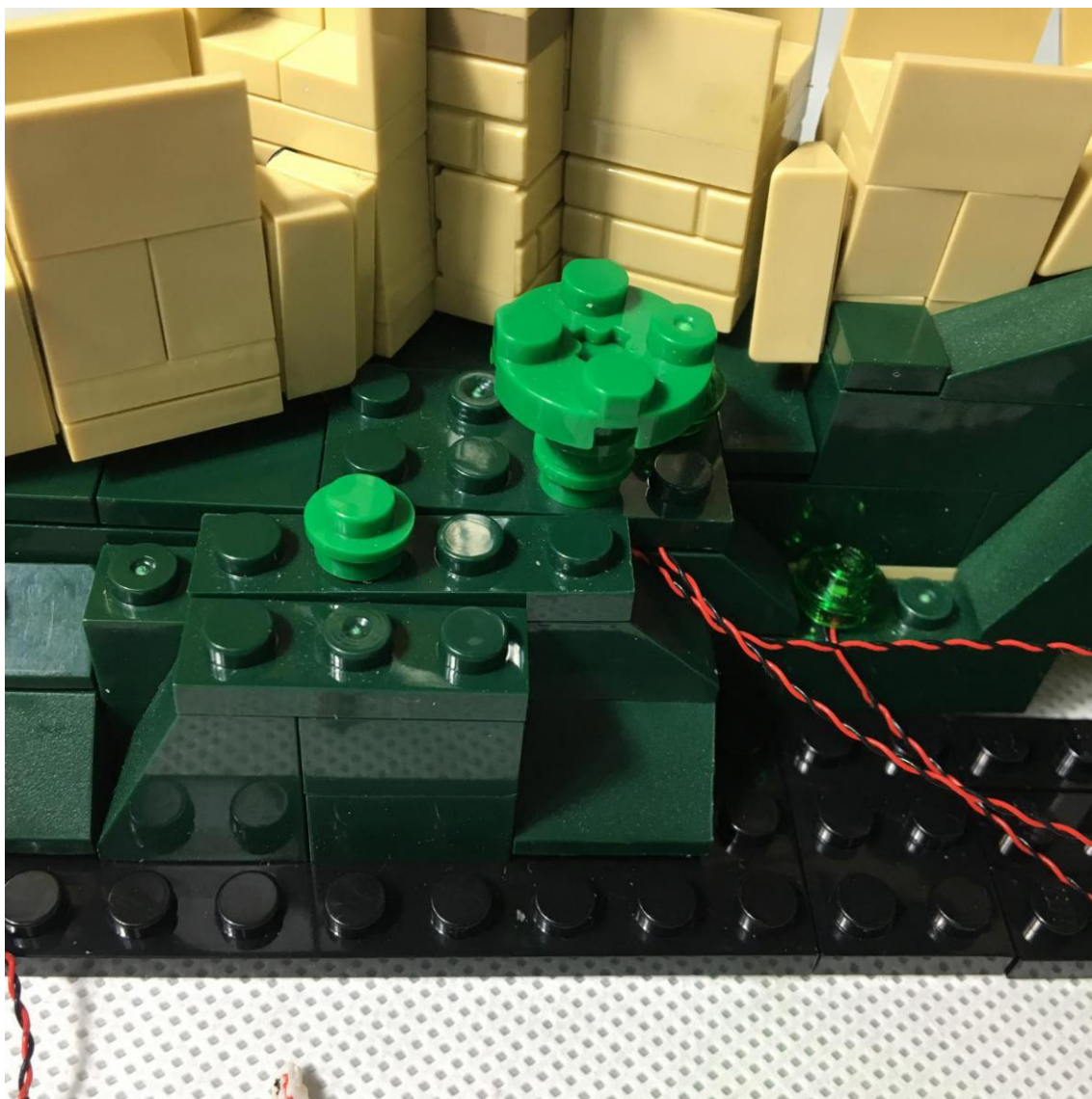
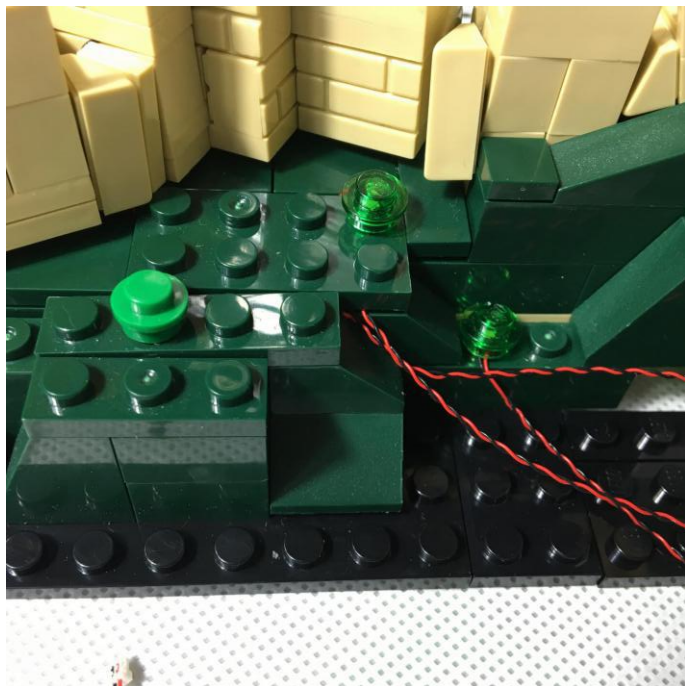
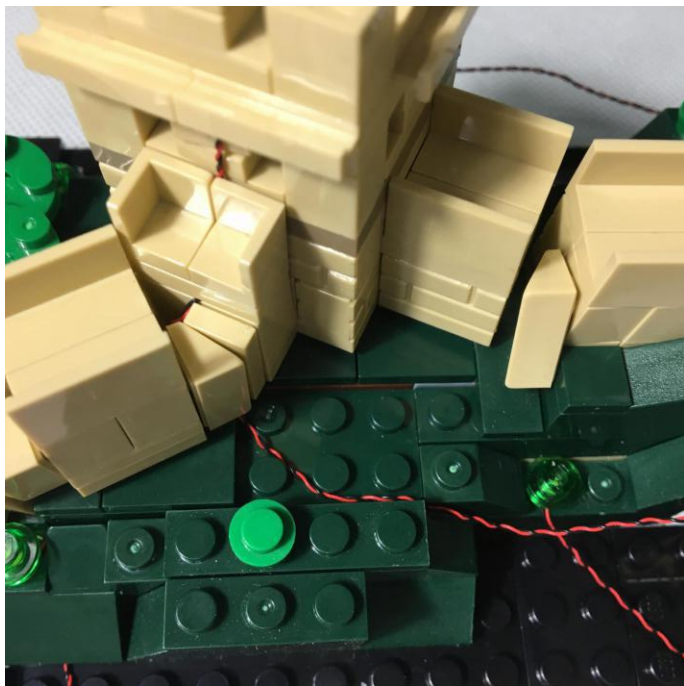
Move onto connecting the second one



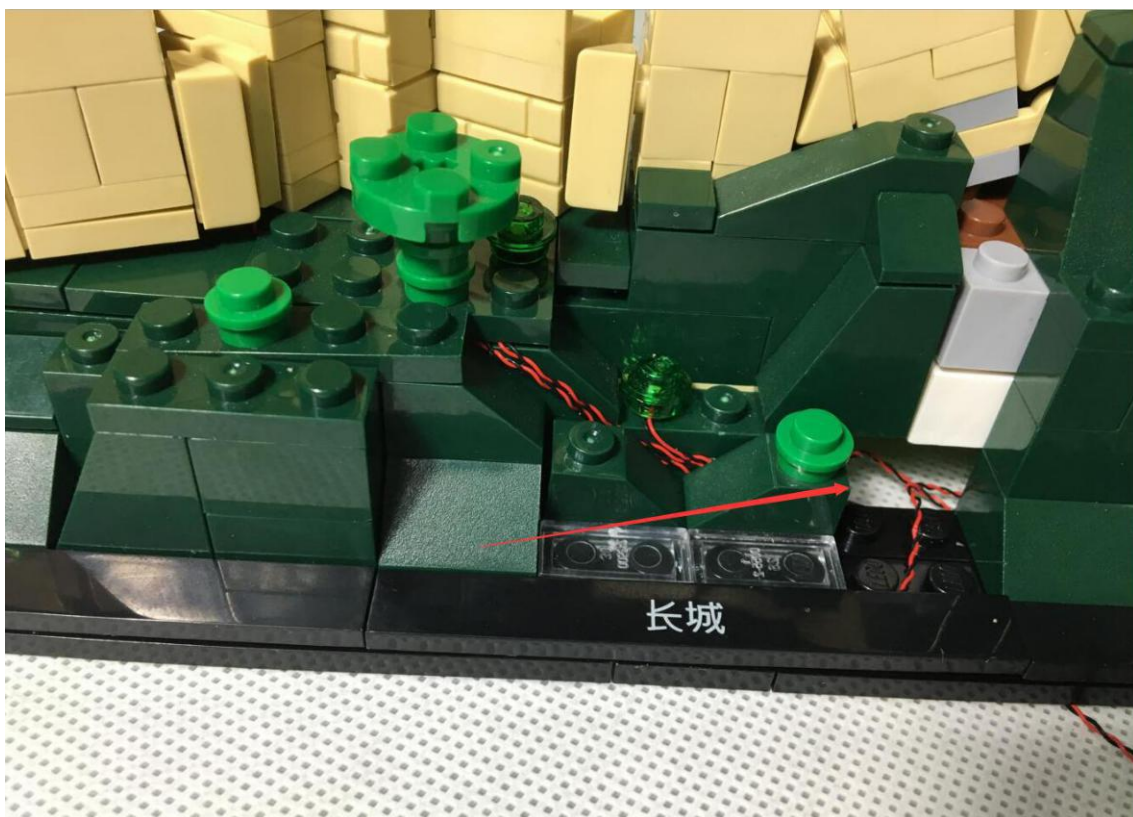
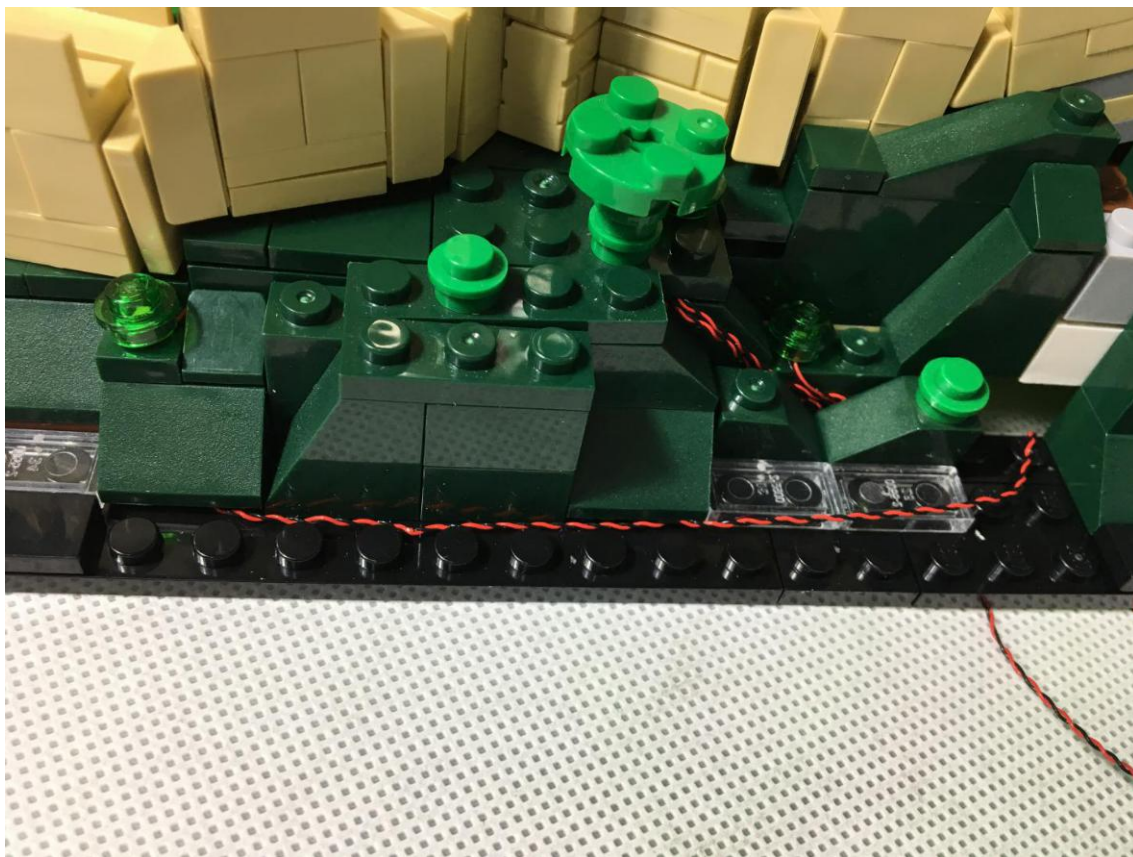
Connect the last Dot Light



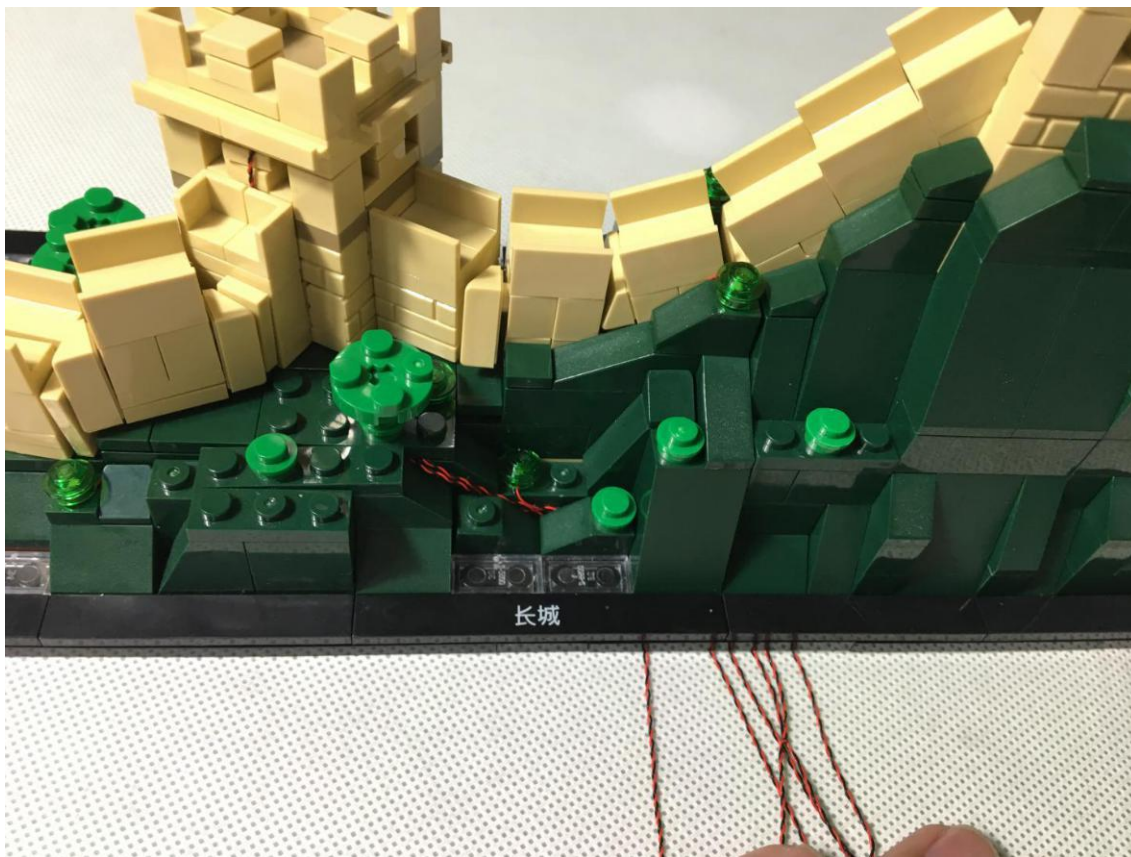
Remember to place the cable in between studs, press the cable of the second light underneath the 2x4 plate



Reconnect the other pieces, make sure the cables are placed in between studs



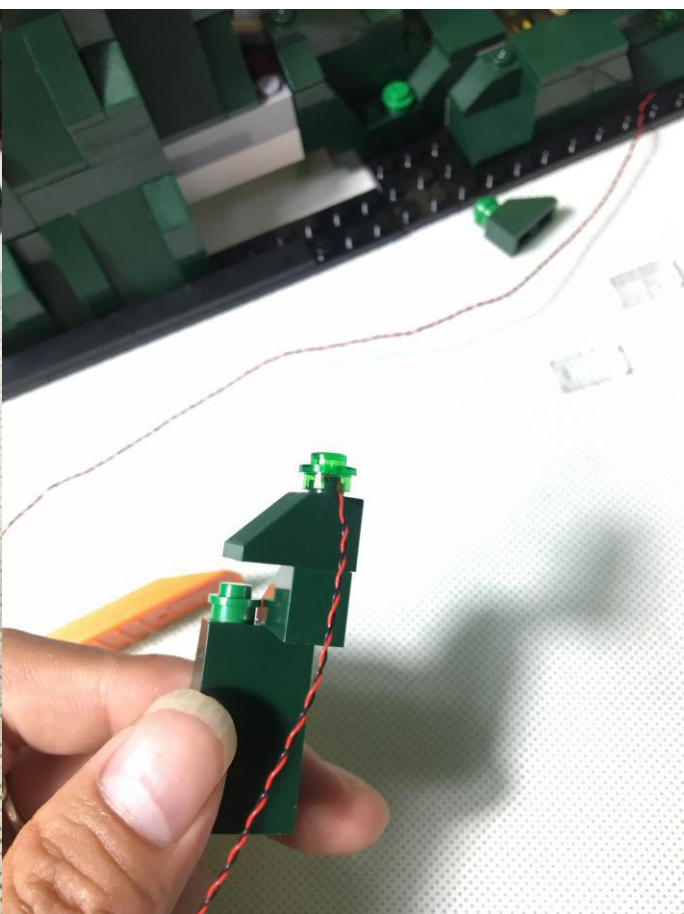
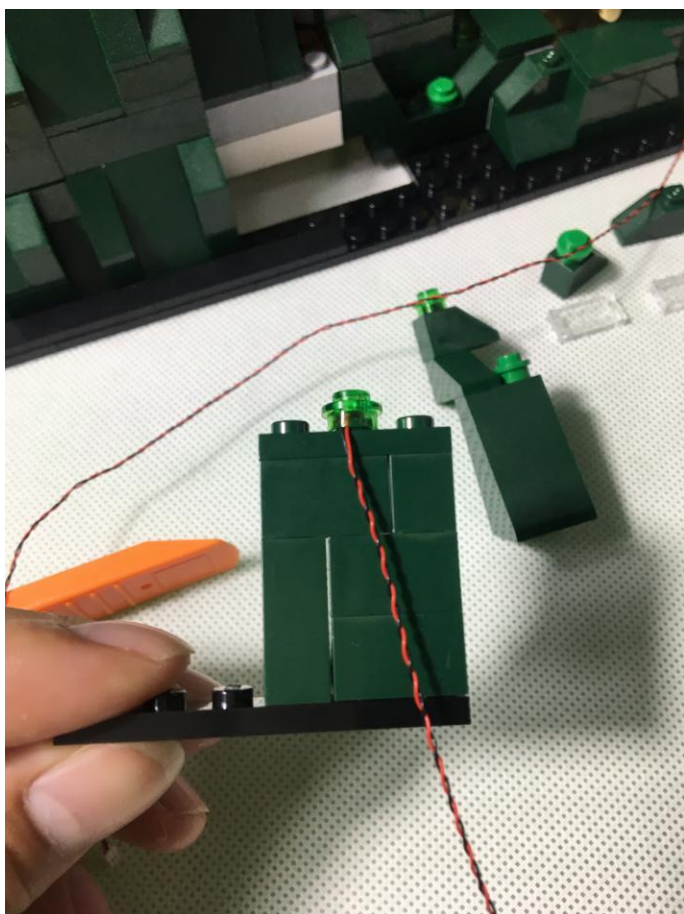
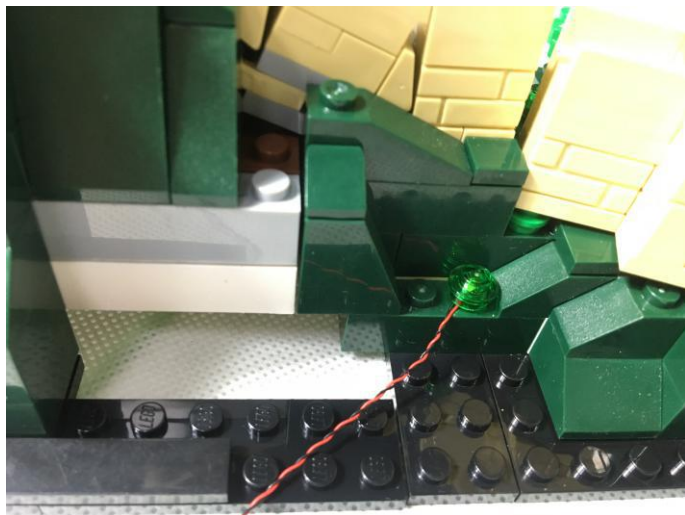
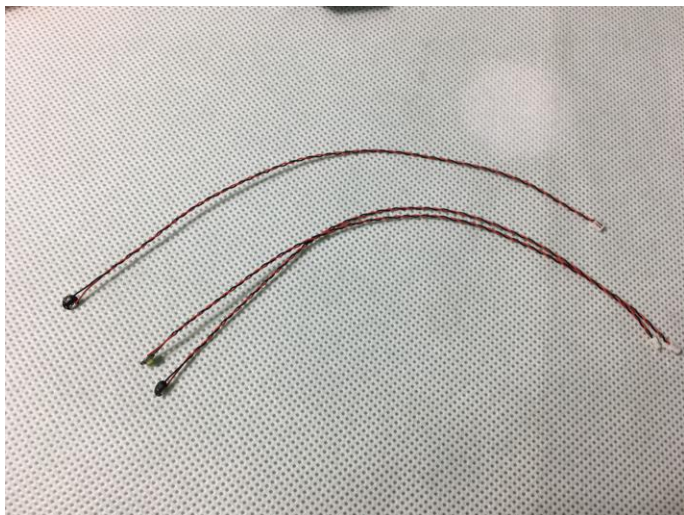
Reconnect the following pieces



Now, we' ll continue to install lights for the middle section. Remove the following pieces



Take 3 white 15cm Dot Lights, connect them to the following places



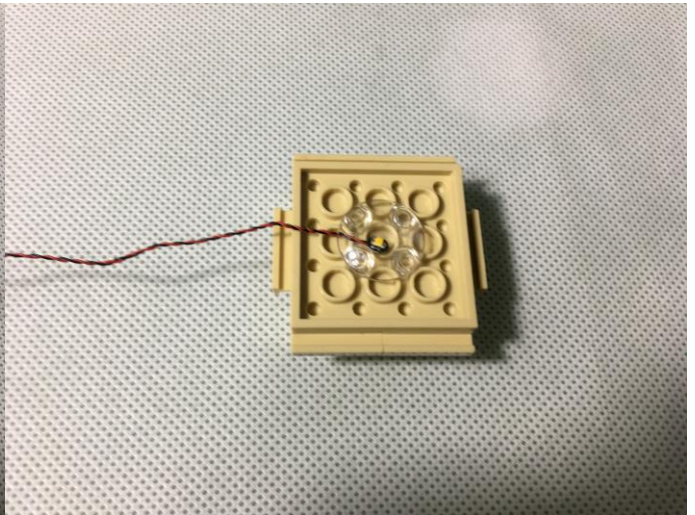
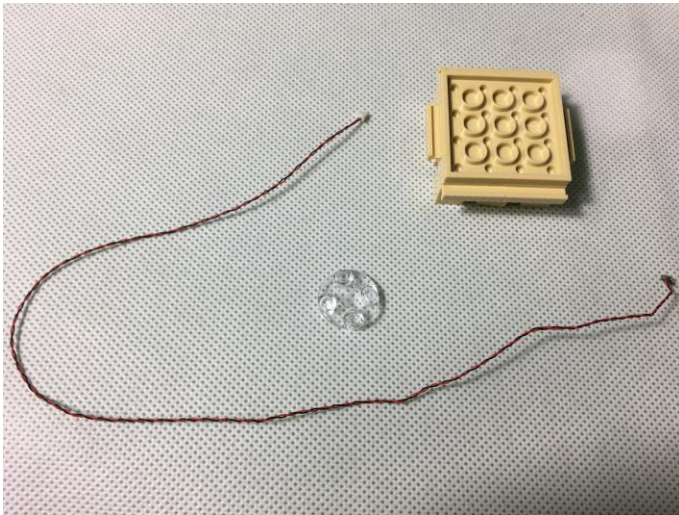
Reconnect the pieces



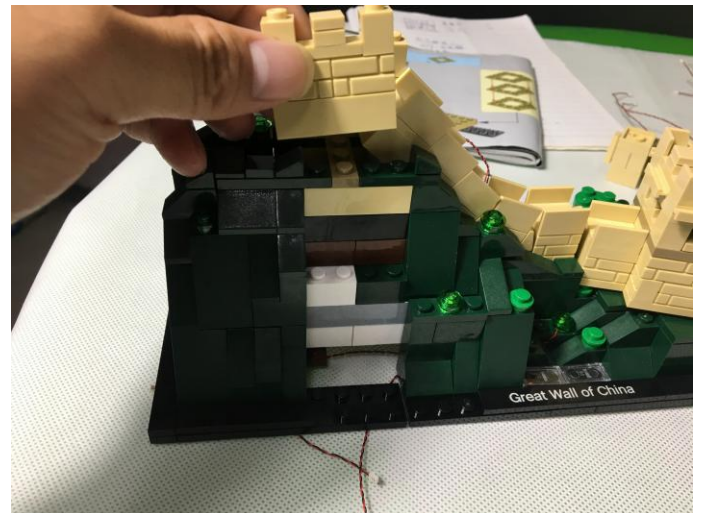
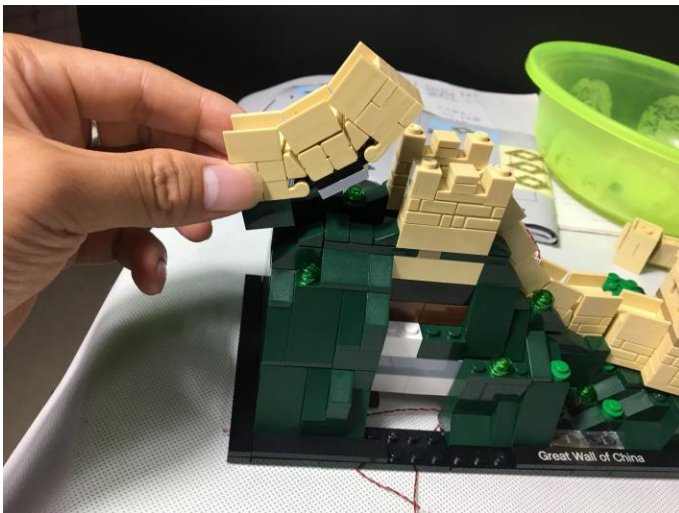
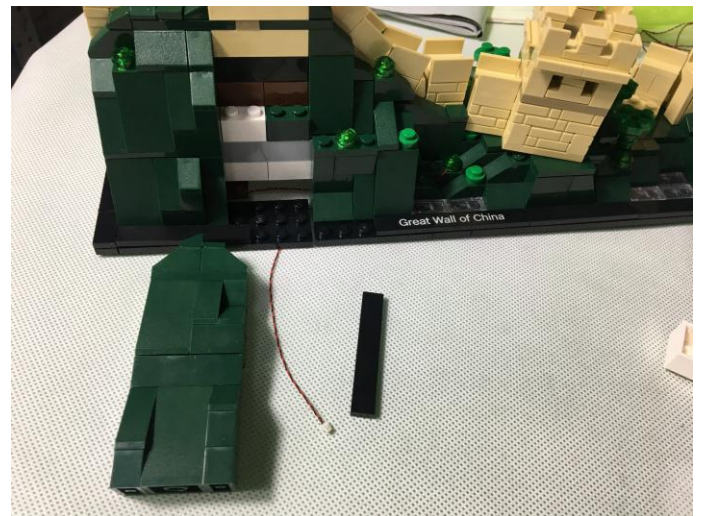
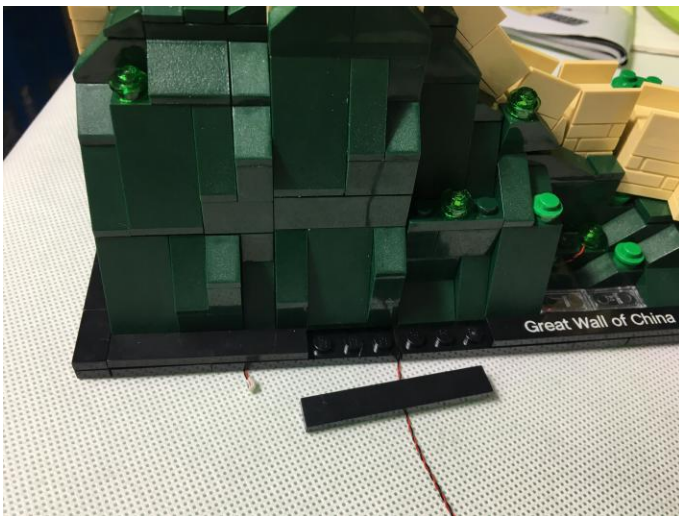
Remove the roof

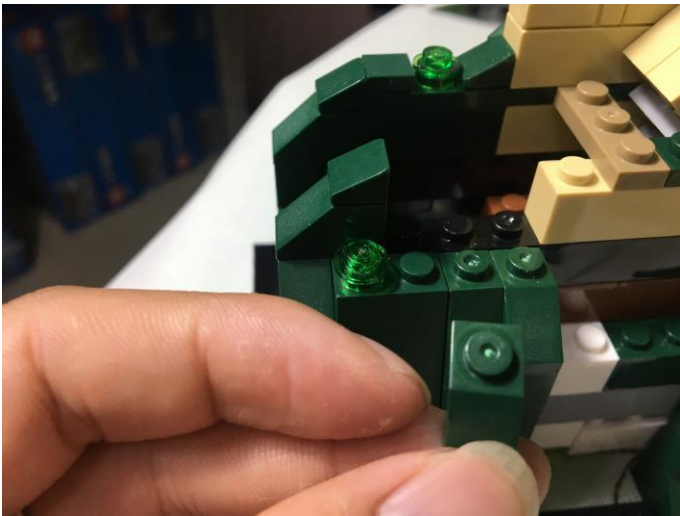
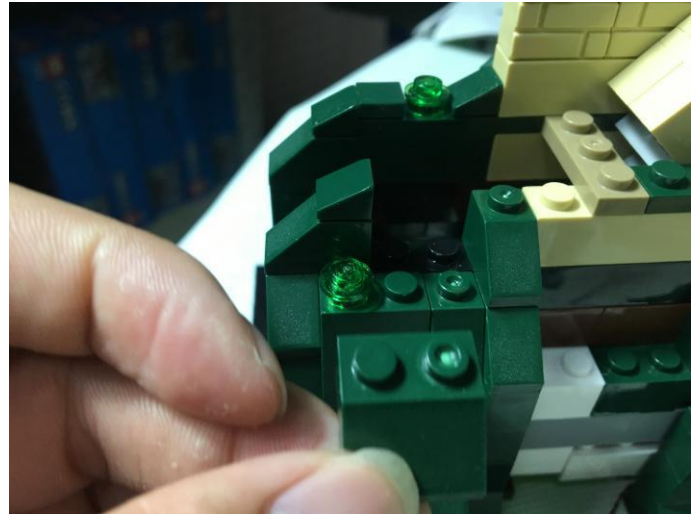
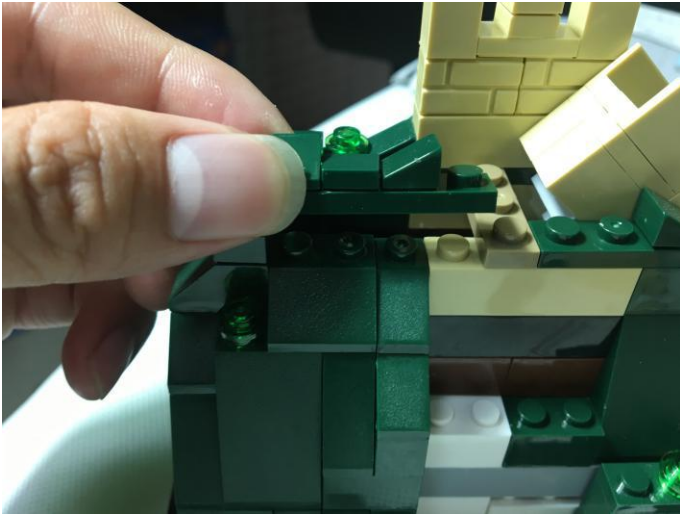


Take a 30cm warm white Dot Light, secure it as per below

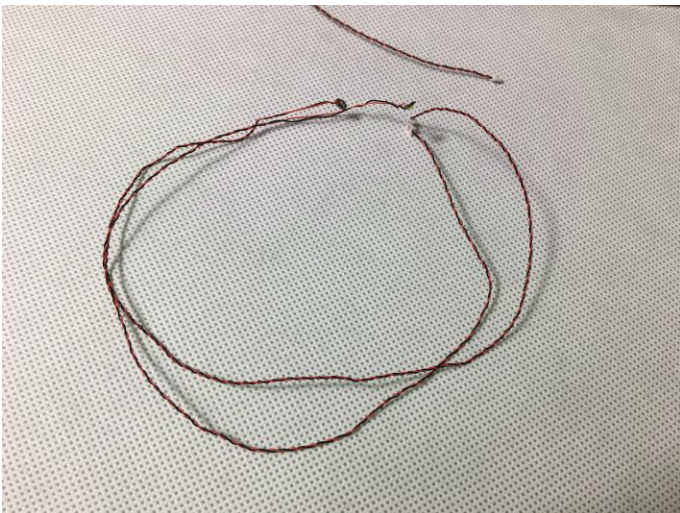


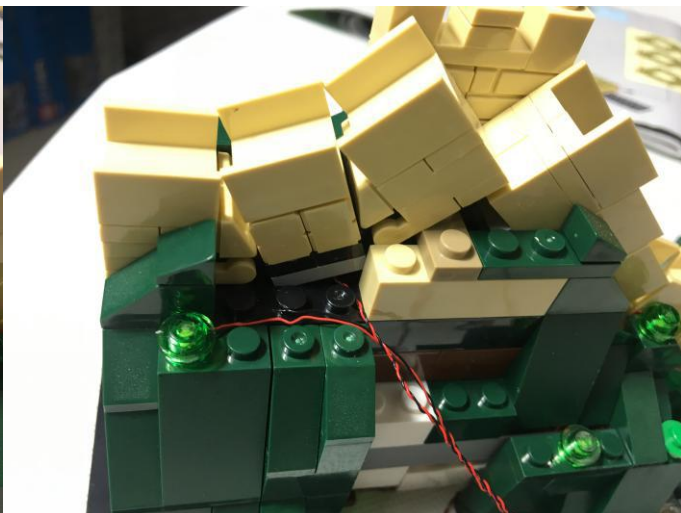
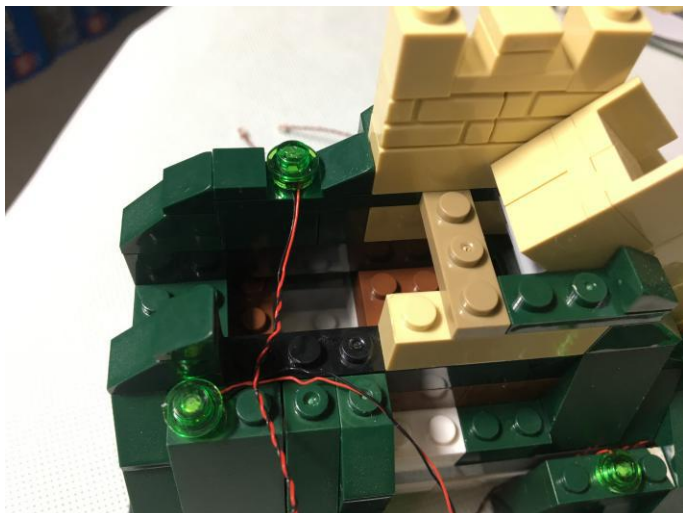
Disconnect the following pieces



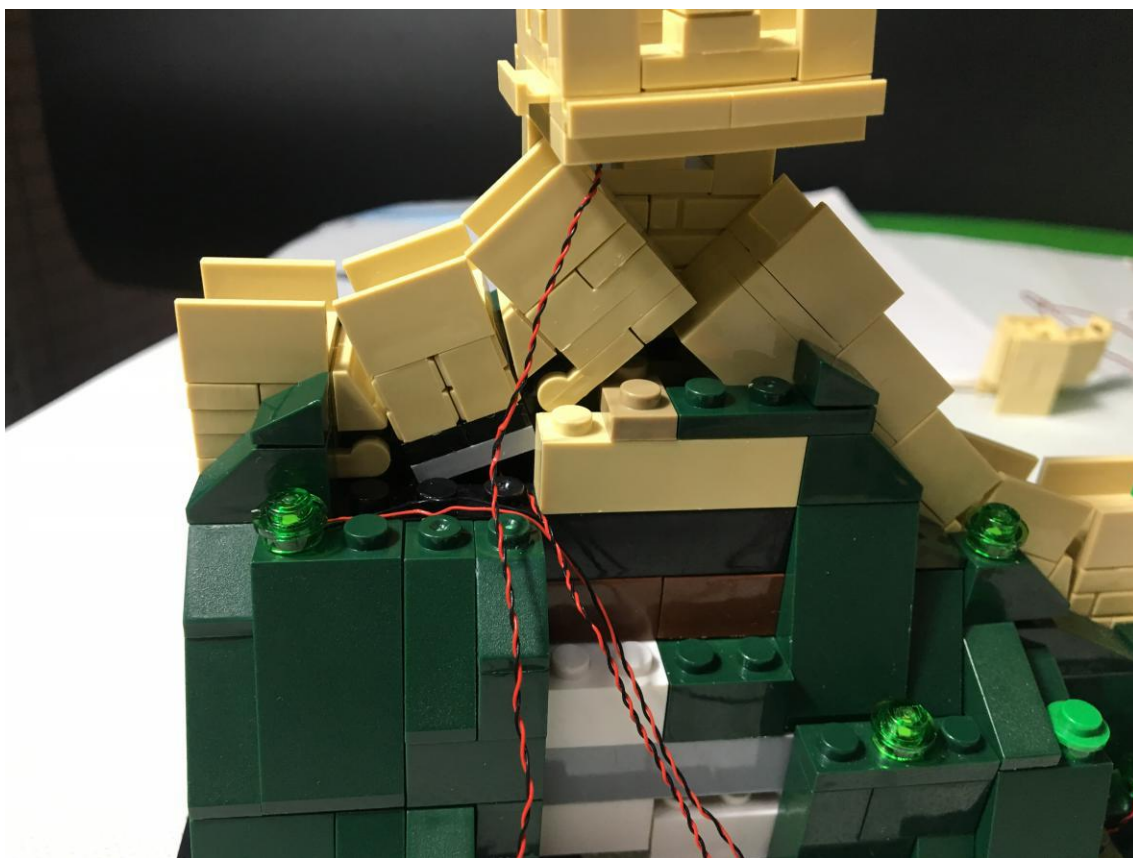


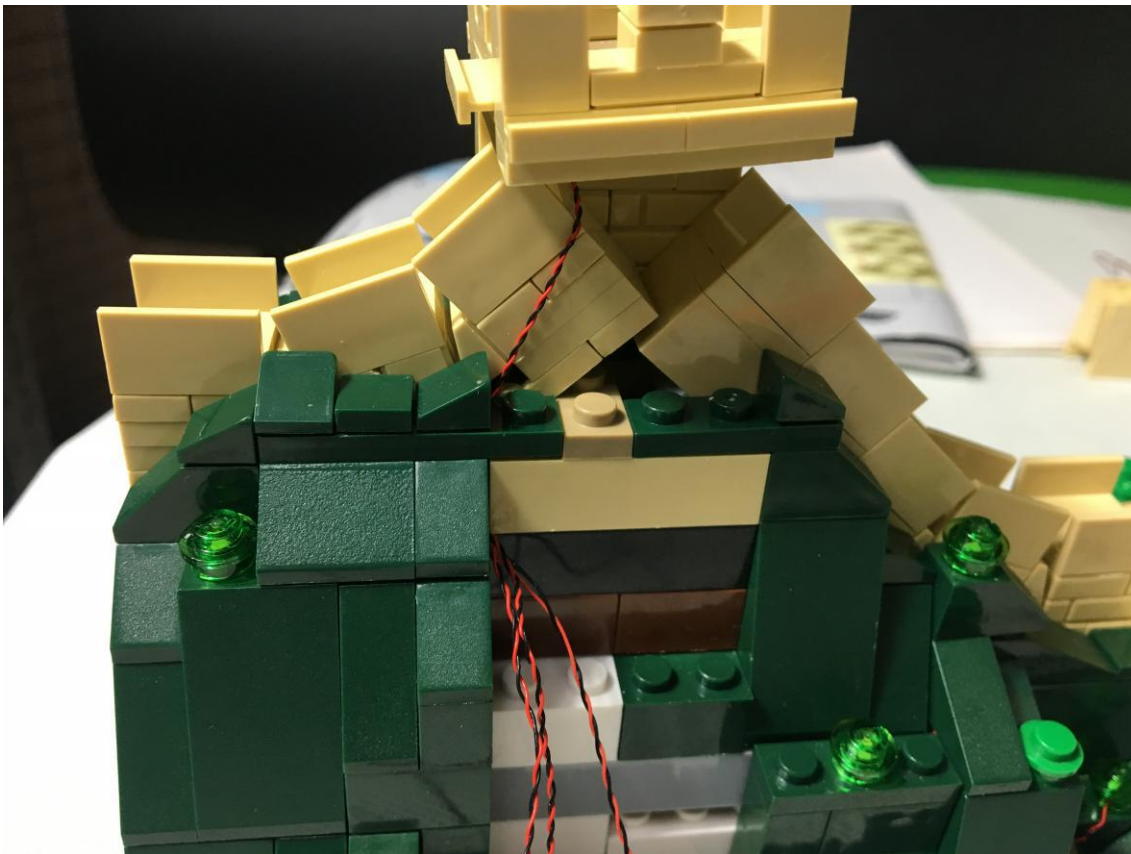
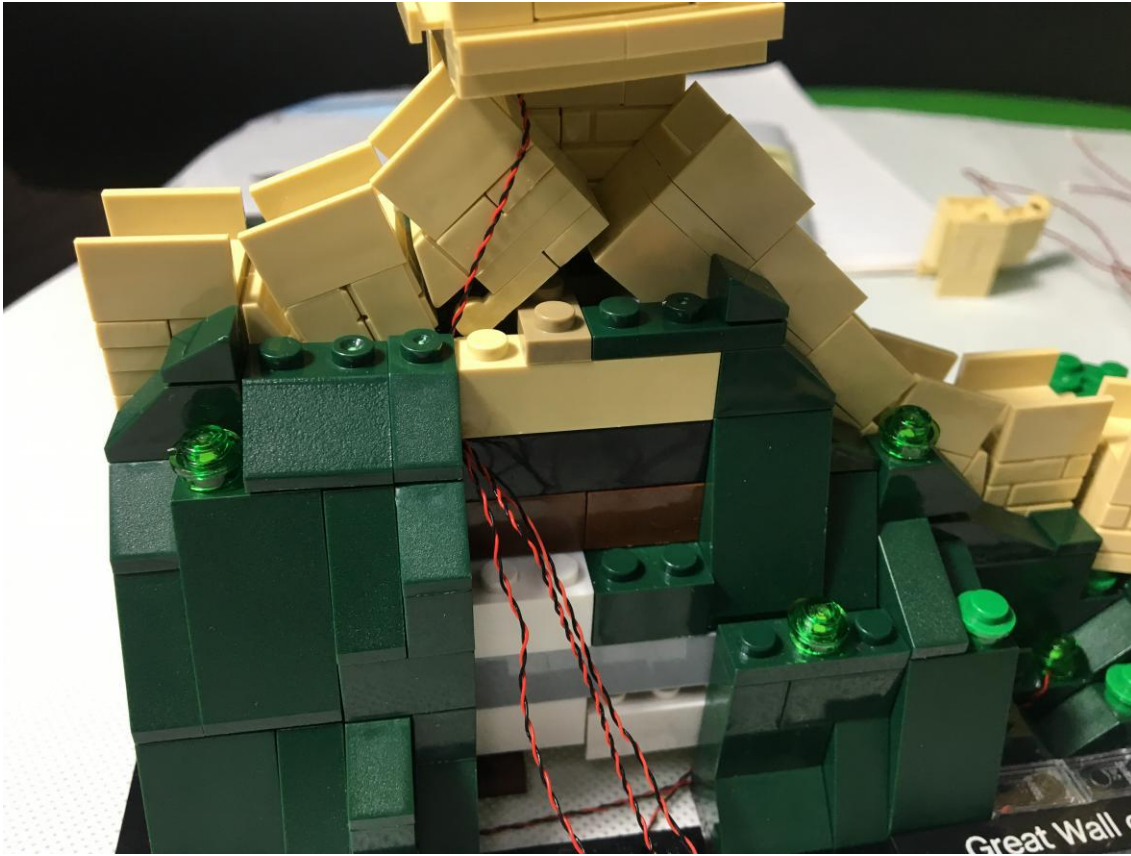
Take 2 white 30cm Dot Lights, install them to the following places. Reconnect the pieces as per below

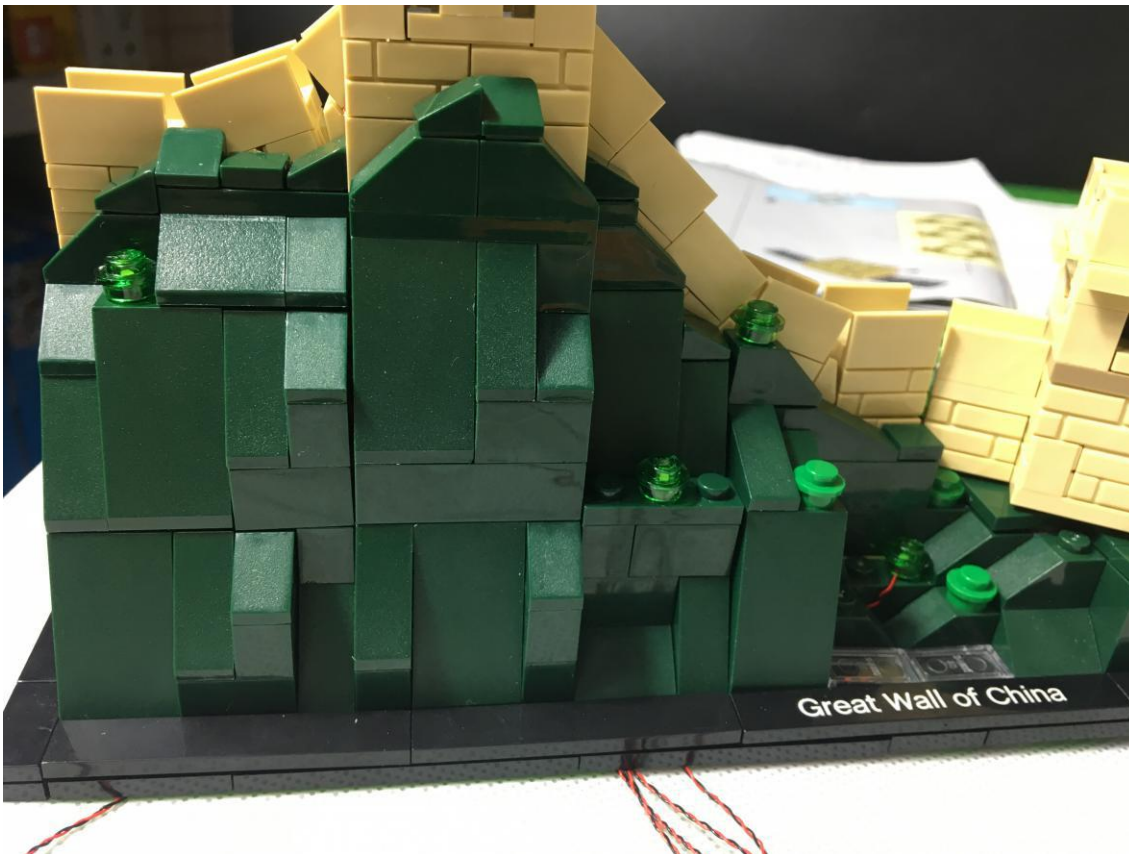




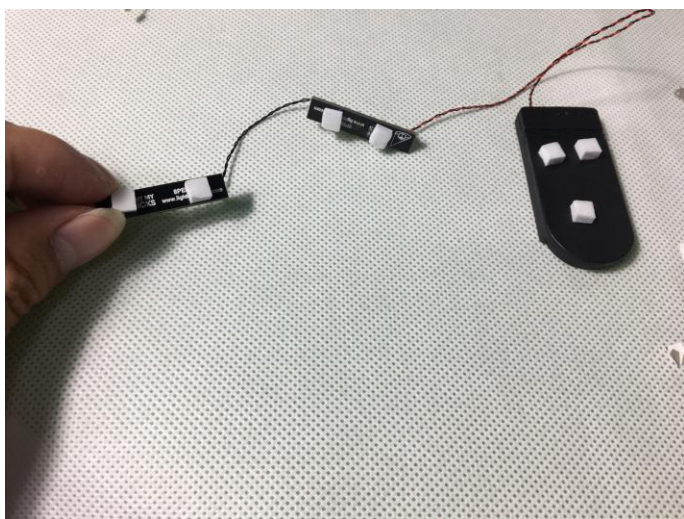
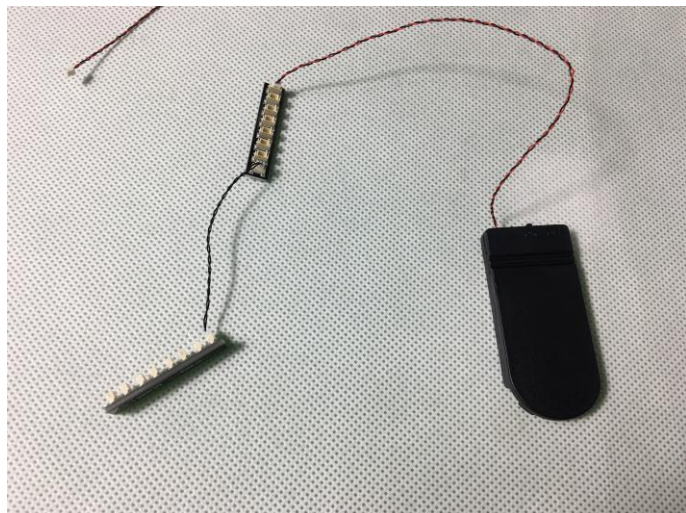
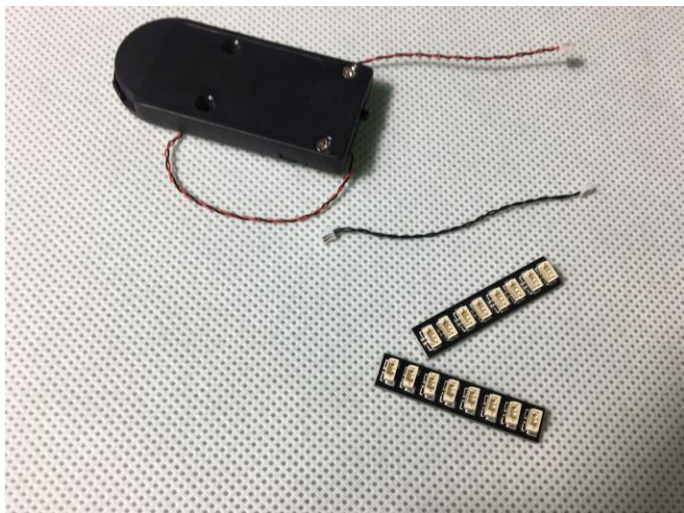
Reconnect the roof and the following pieces, make sure to place the cables in between studs



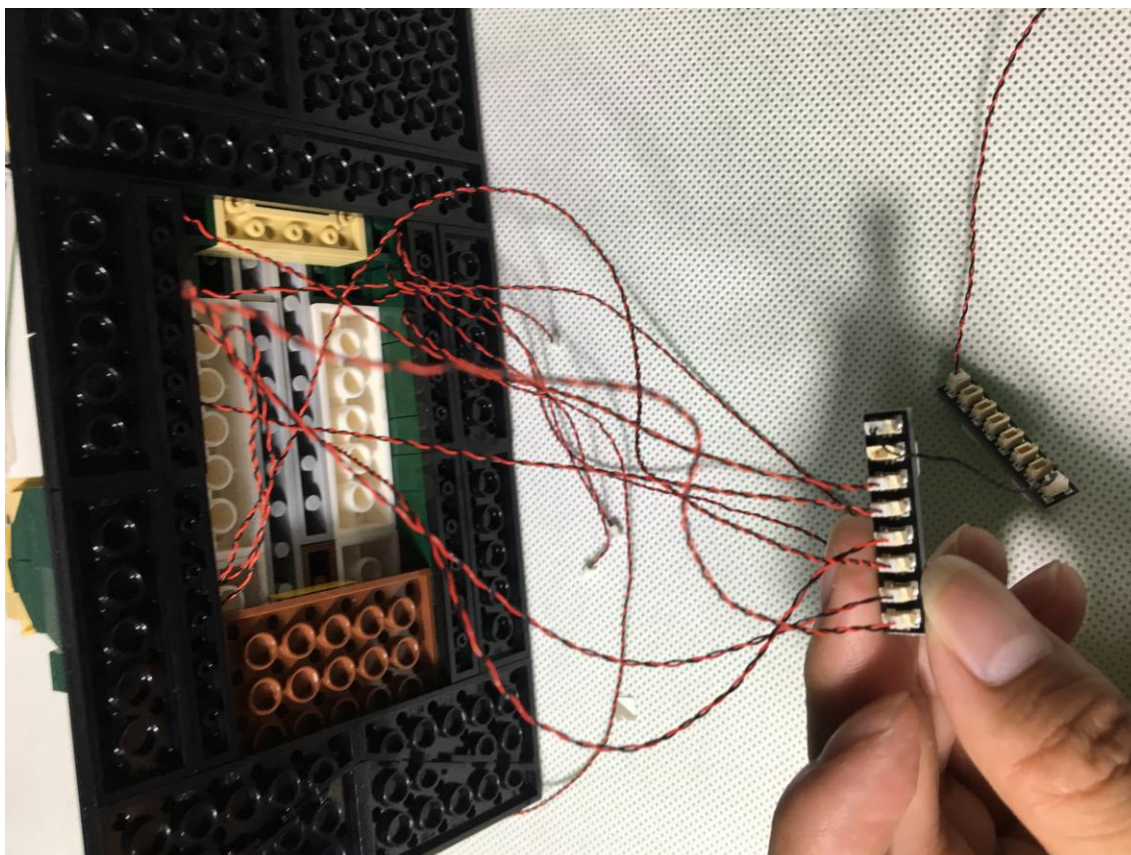




Take the Flat Battery Pack, a 5cm connecting cable, and two 8-port expansion boards. Assemble them as per below



Connect the cables from each side to different expansion board



Tuck the excess cables around the expansion board.

