

75953 Hogwarts Whomping Willow P124

- P124 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 “75953 P124”.
- 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 9 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	4
Bit Lights-15CM-White	Bit Lights-15CM-White	6
Headlights-15CM-Warm White	Headlights-15CM-Warm White	4
LED Strip Lights-Warm White	LED Strip Lights-Warm White	1
Expansion Board	6 Socket Expansion Board	3
USB Power Cable	USB Power Cable-30CM	1
Connecting Cables-15CM	Connecting Cables-15CM	3
LR44 Power	LR44 Power	1
Parts package		

Please contact us immediately if there have any missing components.

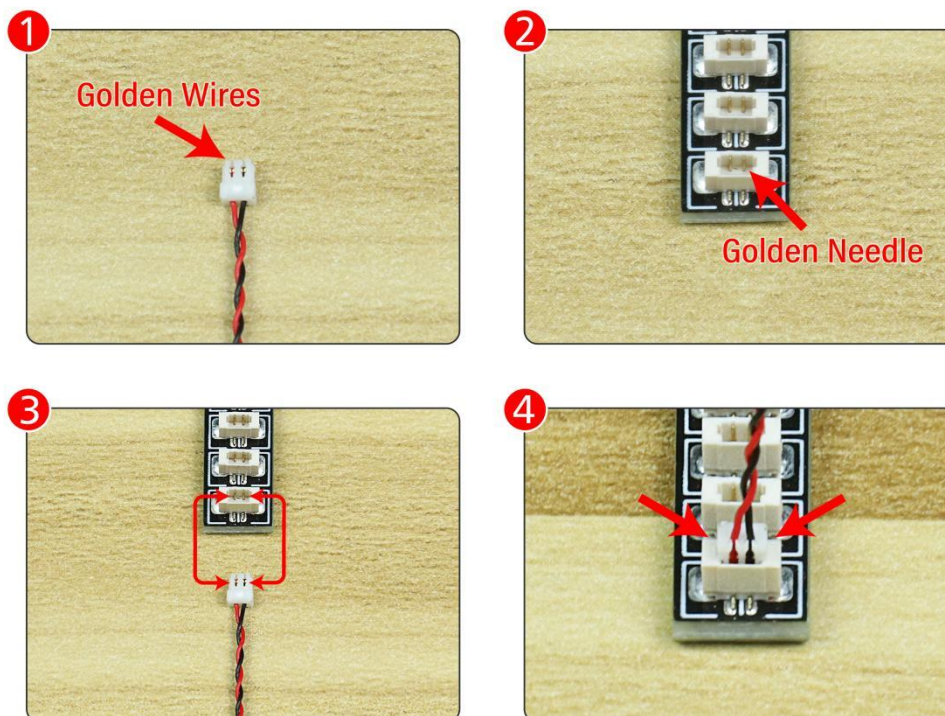
Section B: Test that each components is working properly.

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



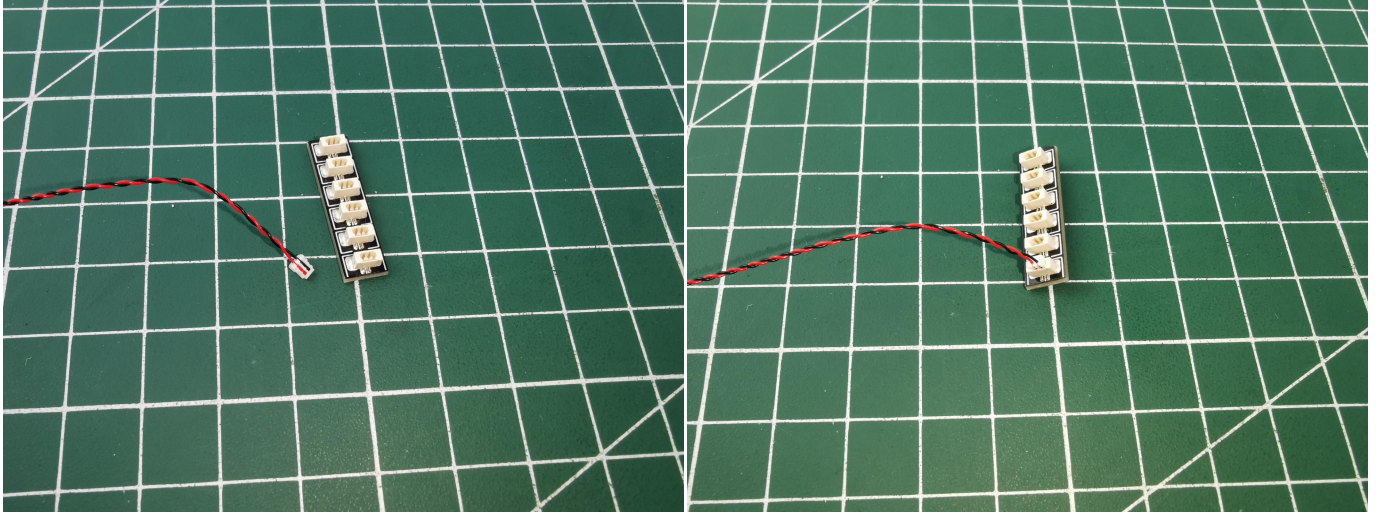
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

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.

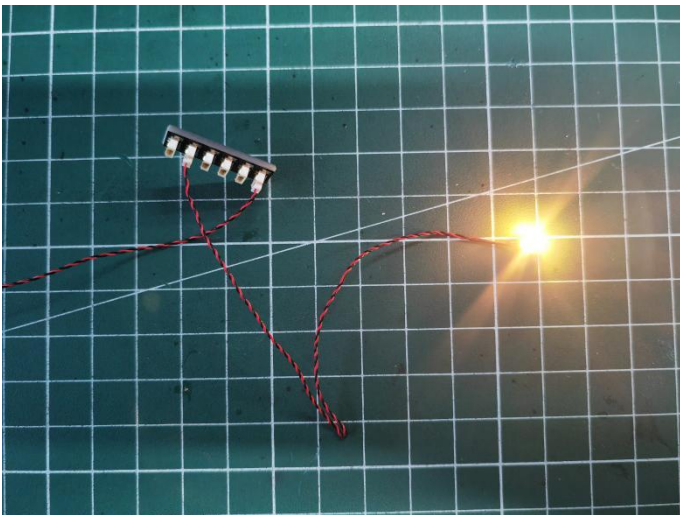
USB connectors to connect devices



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 3*Bit Lights-15CM-Warm White,6*Bit Lights-15CM-White,4*Headlights-15CM-Warm White,1*LED Strip Lights-Warm White. Please contact us immediately if any components don't work.

Section C: laying out components following the instruction.

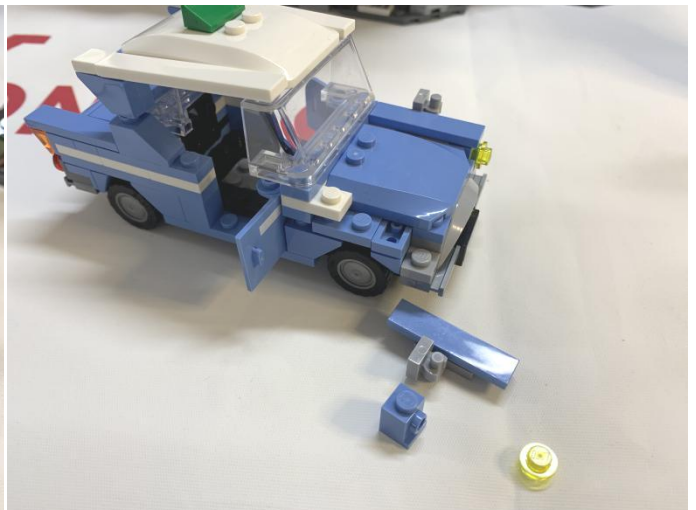
1. Let's start from installing the lights for the car.



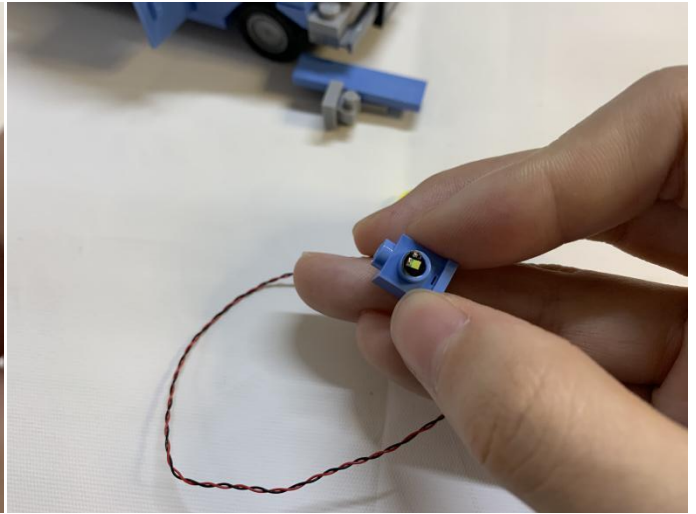
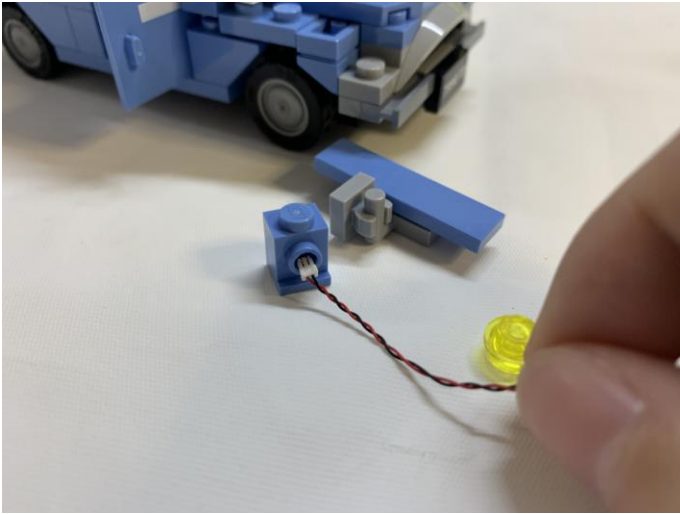
2. Take 2 white 15cm dot lights.



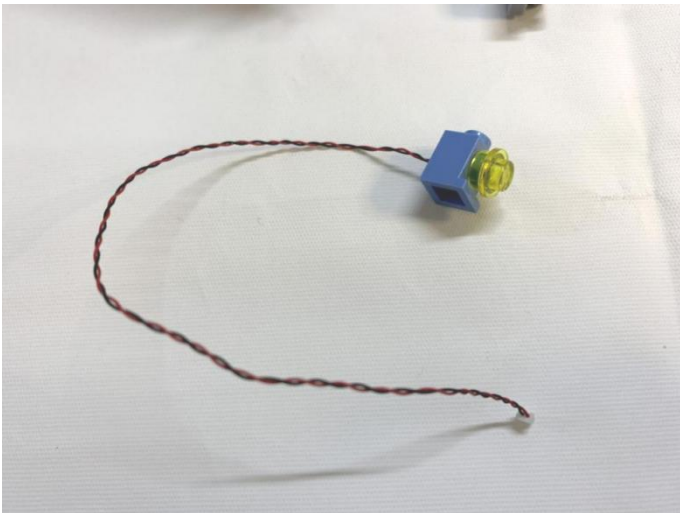
3. Remove the headlight and the following pieces from the left side of the car.



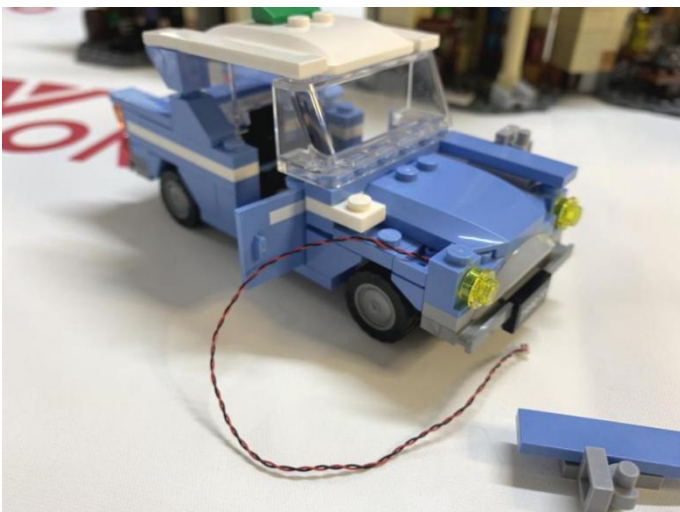
4. Thread the connector through the hole on the brick, pull the cable till the lighting part is facing up, reconnect the round plate to secure the light.



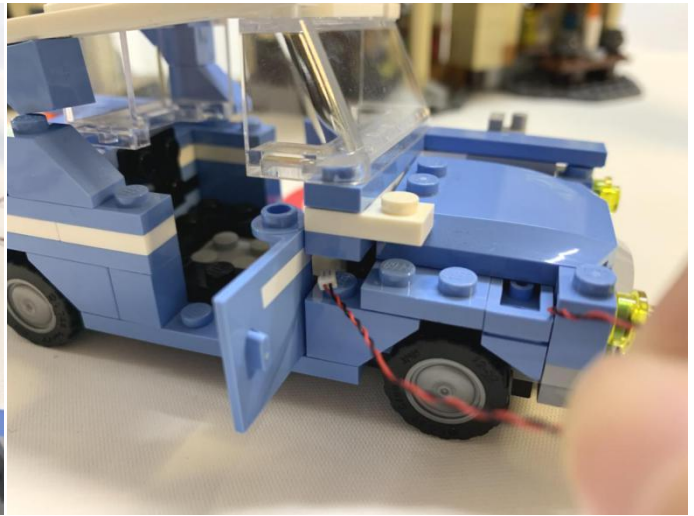
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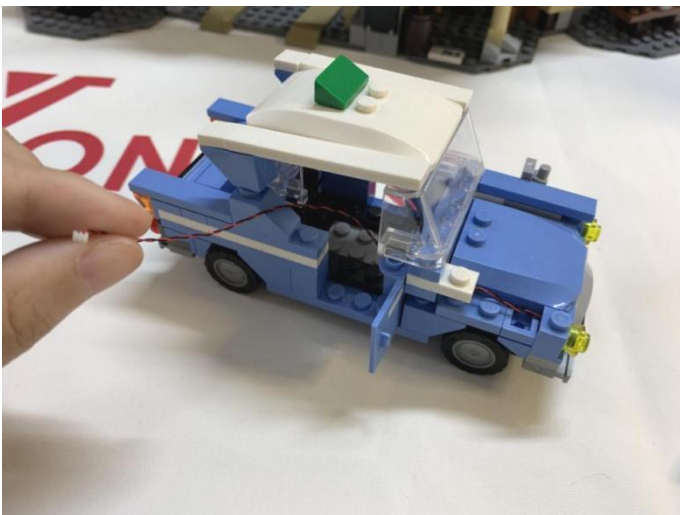
6. Reconnect the headlight



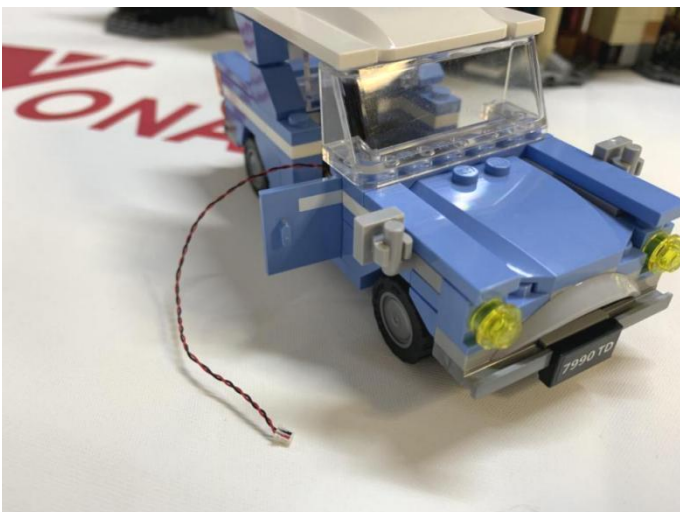
7. Lift the front window to allow the cable thread through the gap, pull the cable out from the inside of the driver's room.



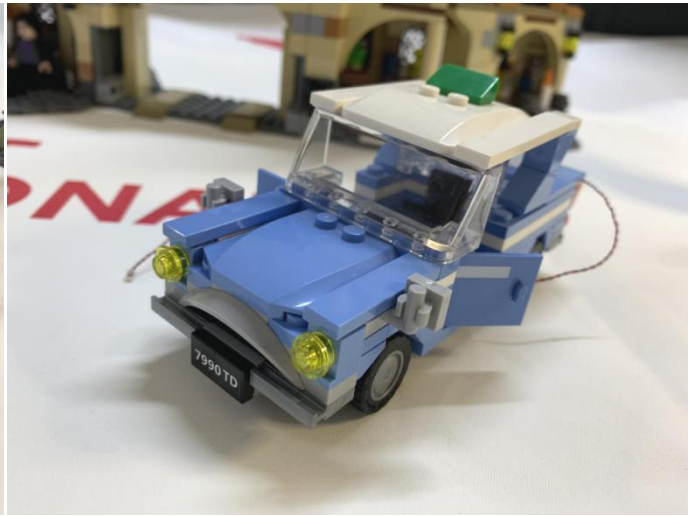
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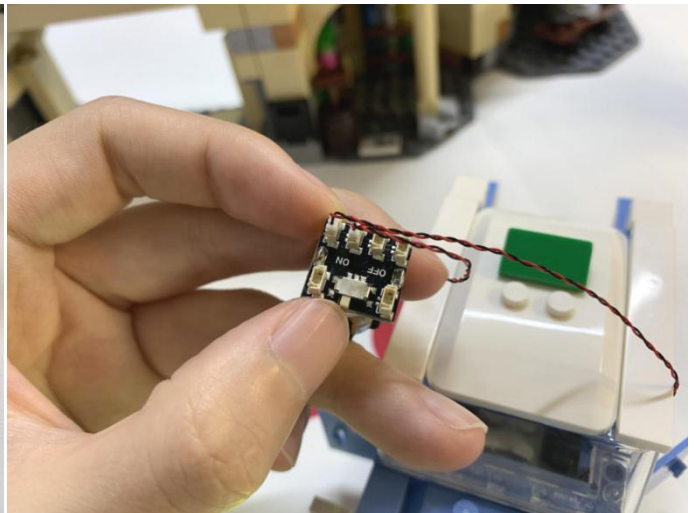
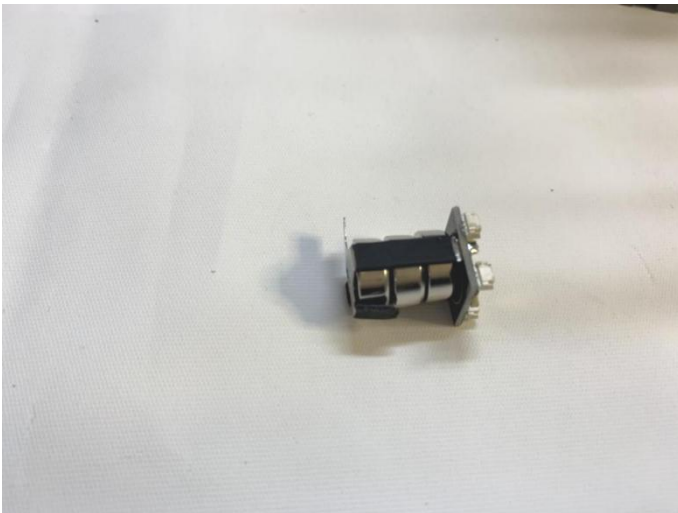
9. Reconnect the pieces we removed before.



10. Turn the car to the other side. Repeat the previous steps to install the headlights at the right side.



11. Take the Round Coin Cell Battery Pack, connect the cables to it to test if the lights are working OK.



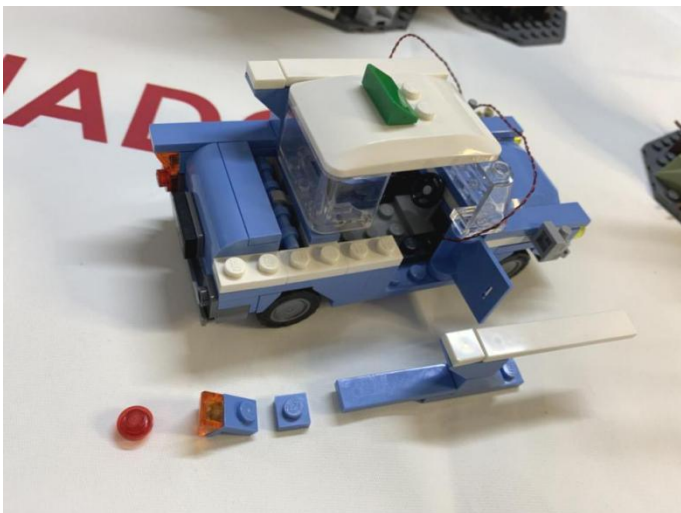
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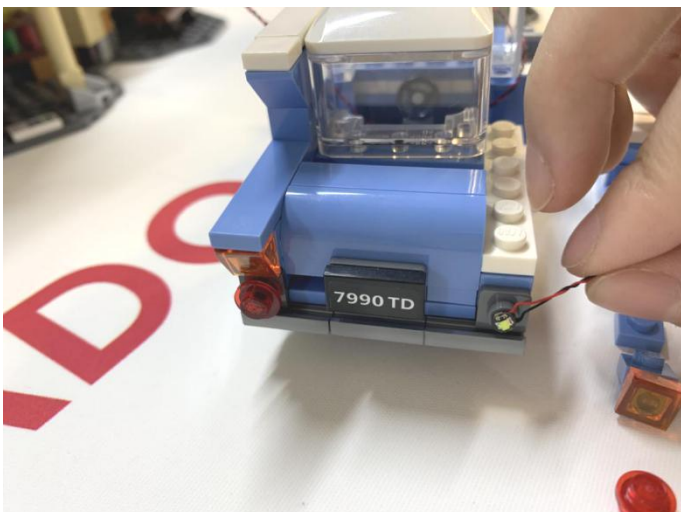
13. Take 4 white 15cm dot lights, turn the car to its back, we'll install the taillights.



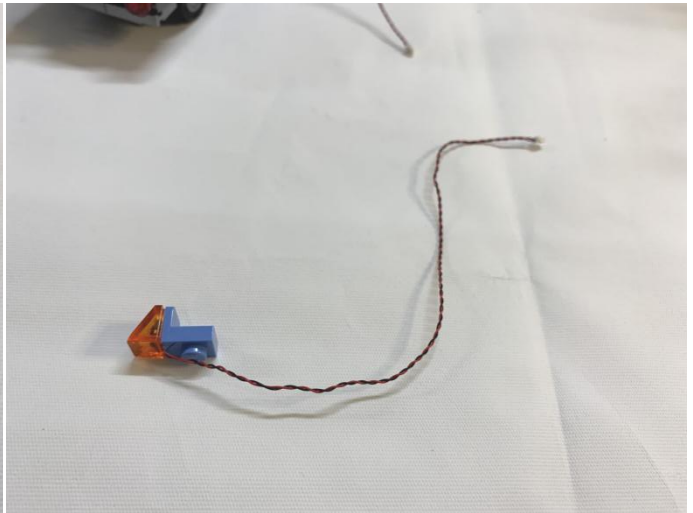
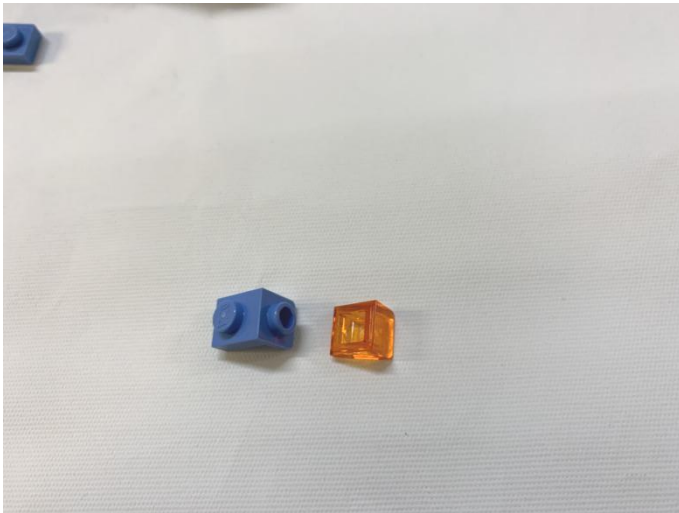
14. Remove the following taillight and the pieces.



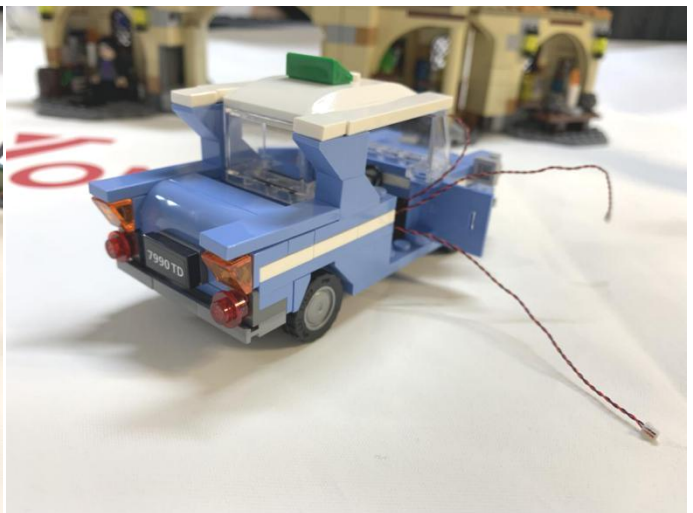
15. Take a dot light, with lighting part facing up, secure it by connecting the round plate over.



16. Similarly, continue to install the second dot light.



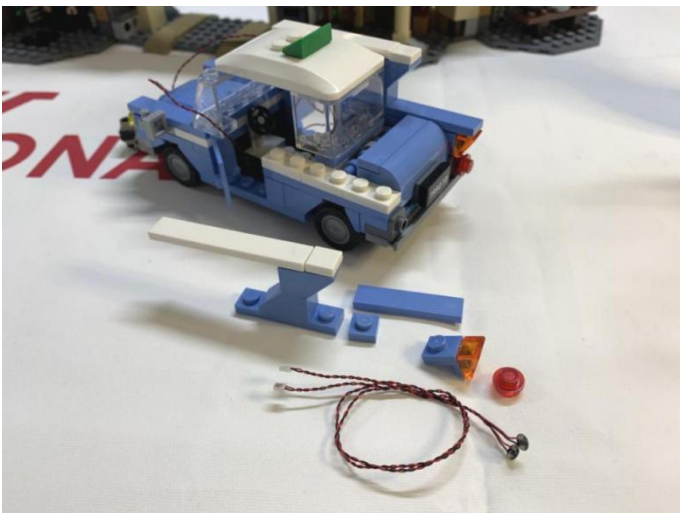
17. Reconnect the taillights, place the cables of the lights underneath in between studs, then, pull the lights to the inside of the driver's room.



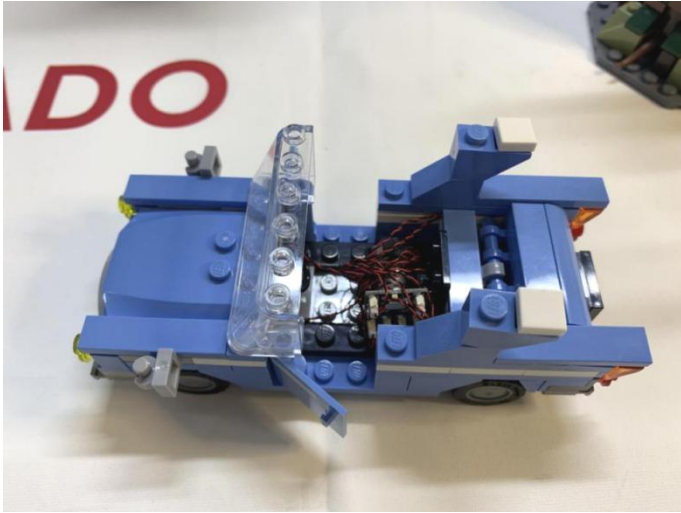
18. Connect the cables to the Round Coin Cell Battery Pack to verify the current.



19. Repeat the steps above to install the taillights at the other side.



20.Remove the roof, connect the cables inside the driver' s room to the Round Coin Cell Battery Pack, tuck excess cables around the battery pack. With switch facing up, place the battery pack inside the driver' s room.



21.Reconnect the roof, turn the power on to test the current.



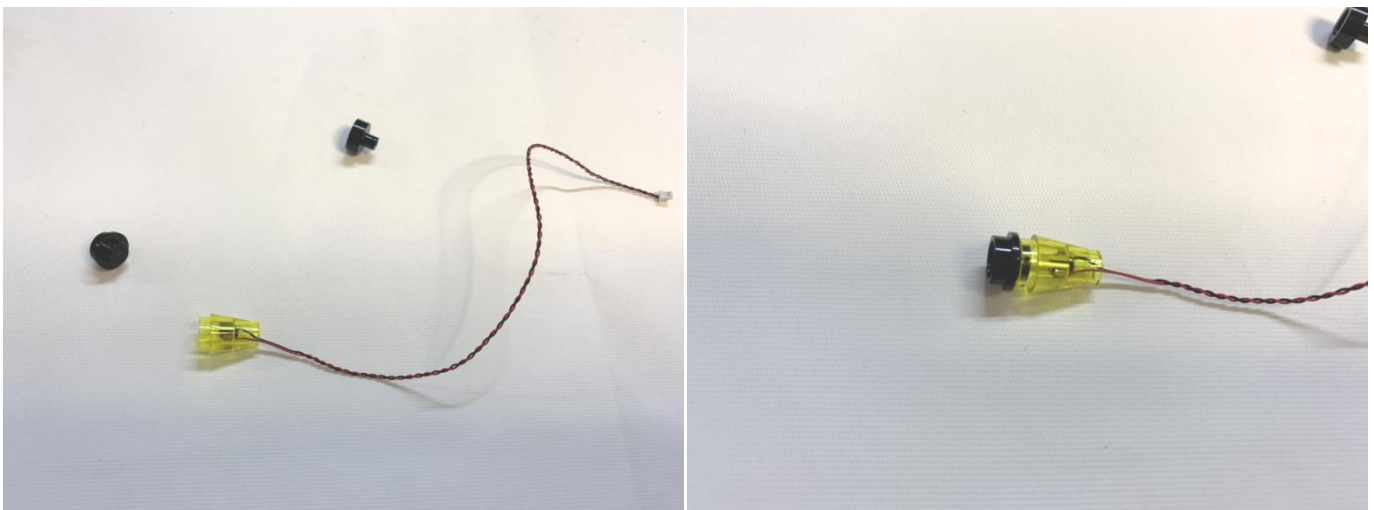
22. Let's move onto installing lights for the building, start from the left side of the building, remove the following 2 lights from the wall.



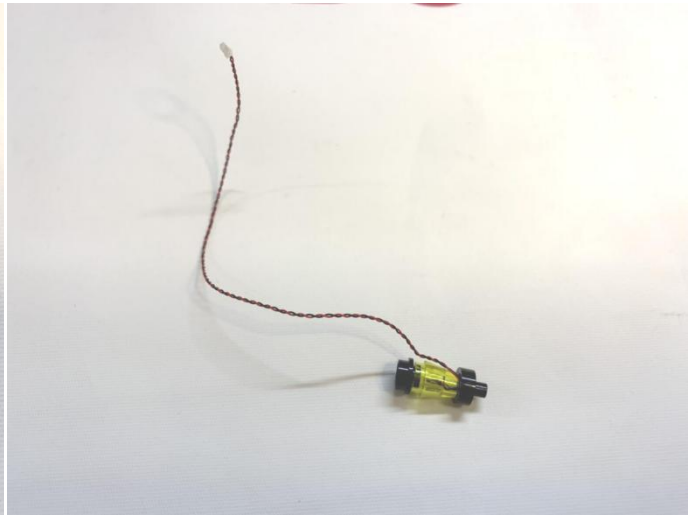
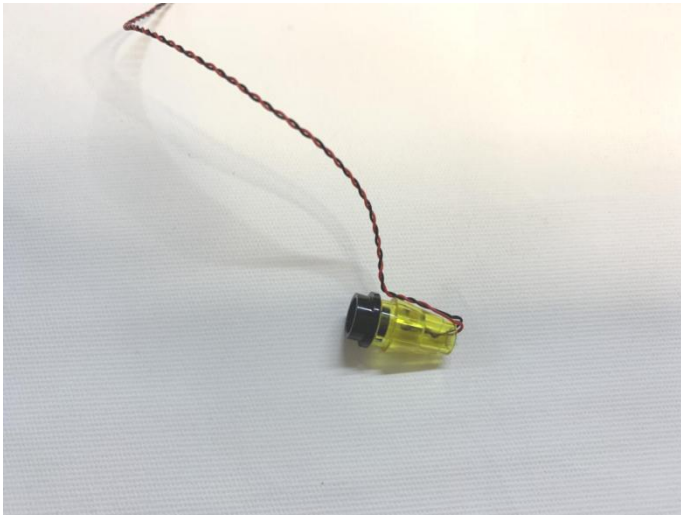
23. Take 2 warm white 15cm dot lights.



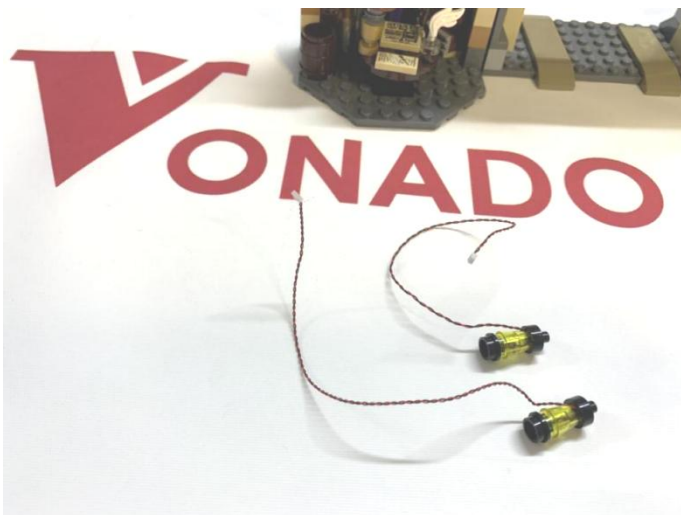
24. Disassemble the lights as per below, take a dot light, thread its light through the trans yellow piece, reconnect the black round plate.



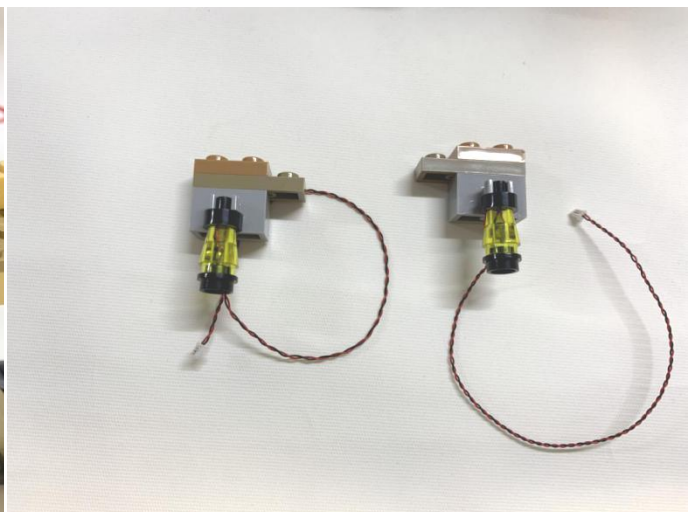
25. Bend the light before reconnecting the black round plate. Note: do not pull the cable too tight.



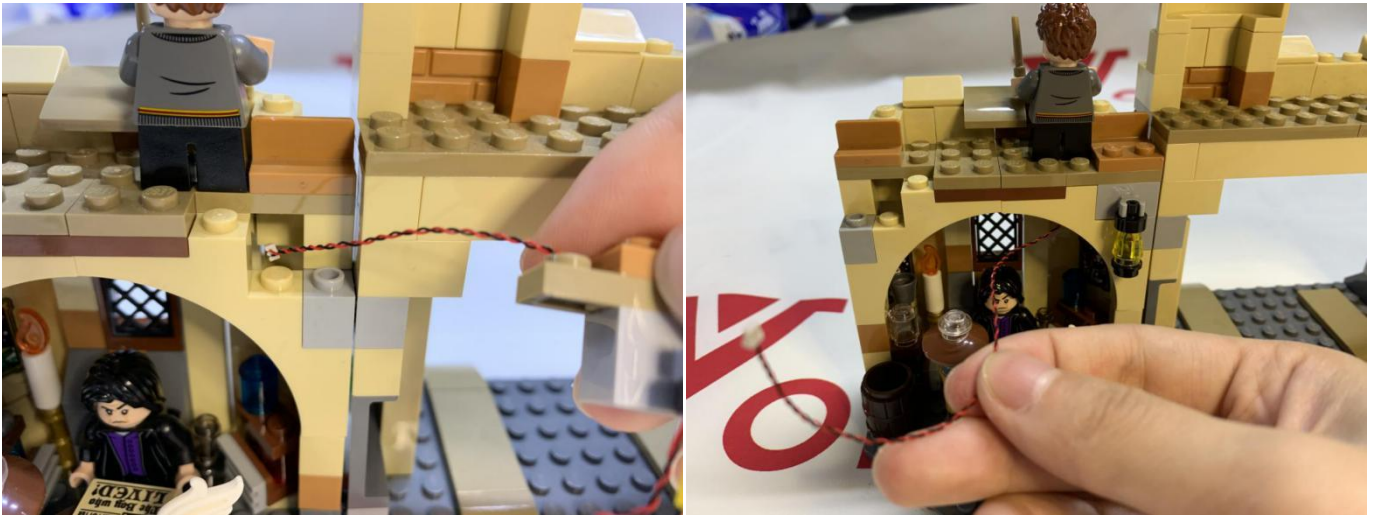
26. Install the other light as we did before.



27. Remove the bricks which are connected to the lights from the wall, connect the lights to them.



28. Thread the cable of the light through the gap, pull it from inside of the building.



29. Similarly, reconnect the other light.



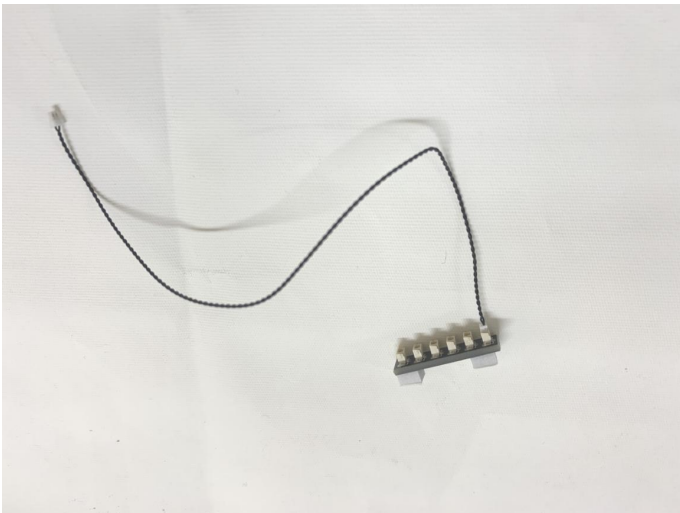
30. Take a 15cm warm white light, a 2x2 round plate.



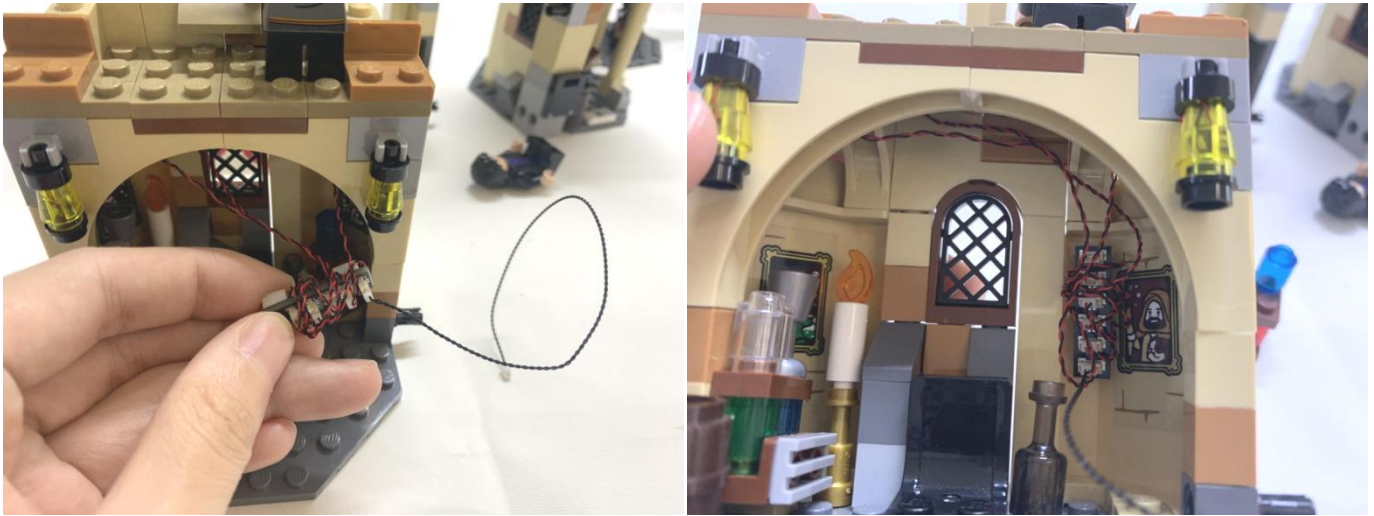
31. With lighting part facing down, secure the light underneath the roof with the round plate.



32. Take a 6-port expansion board, stick tapes at both sides, connect a 15cm connecting cable to it.



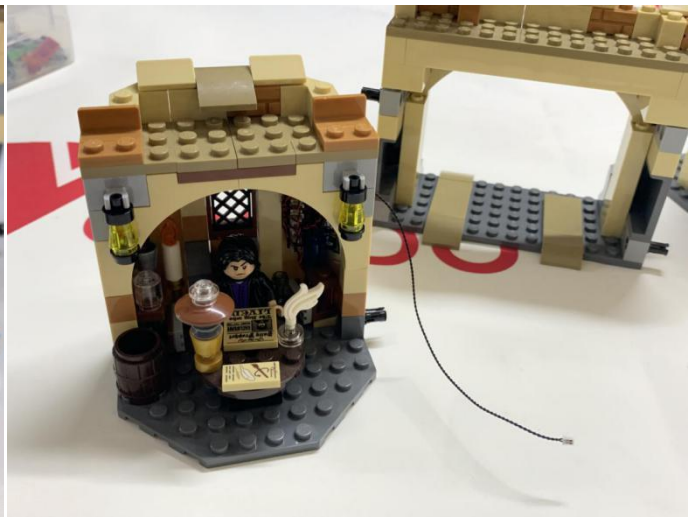
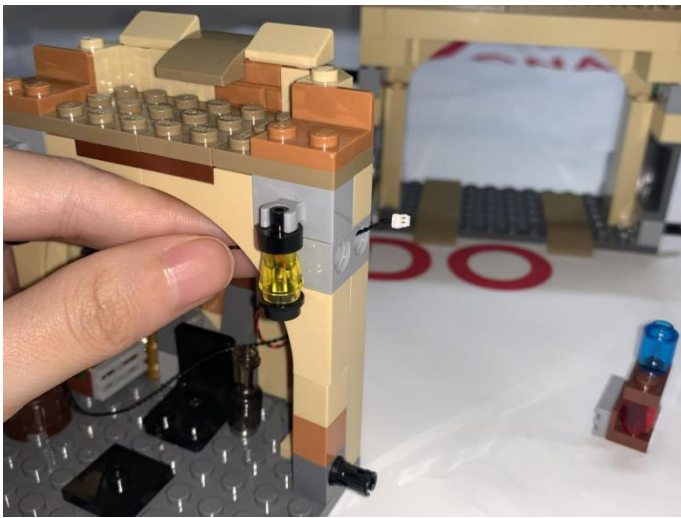
33. Connect all cables of the lights to the expansion board, tuck excess cables around the board. Stick the board on the wall.



34. Disconnect the following round plate to secure the hanging cables.



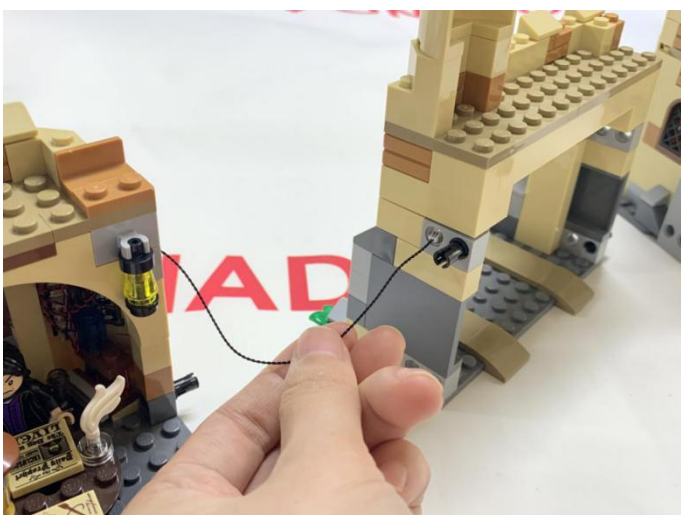
35. Thread the 15cm connecting cable from the expansion board through the gap on the wall.



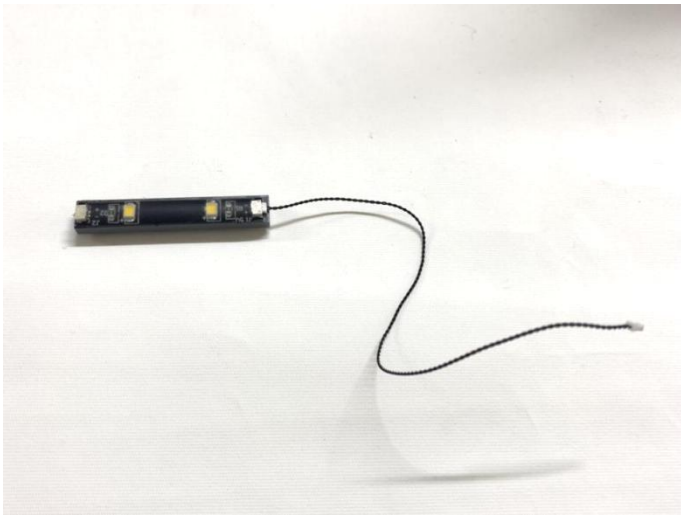
36. Turn the power on and enjoy the light.



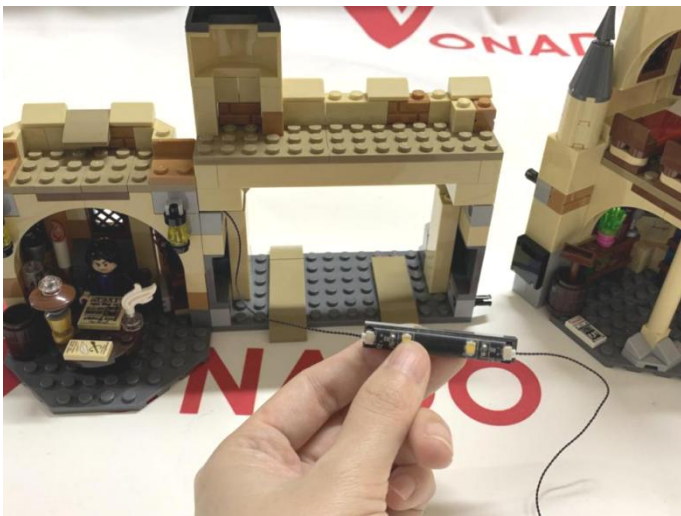
37. Thread the 15cm connecting cable through the gap on the near building.



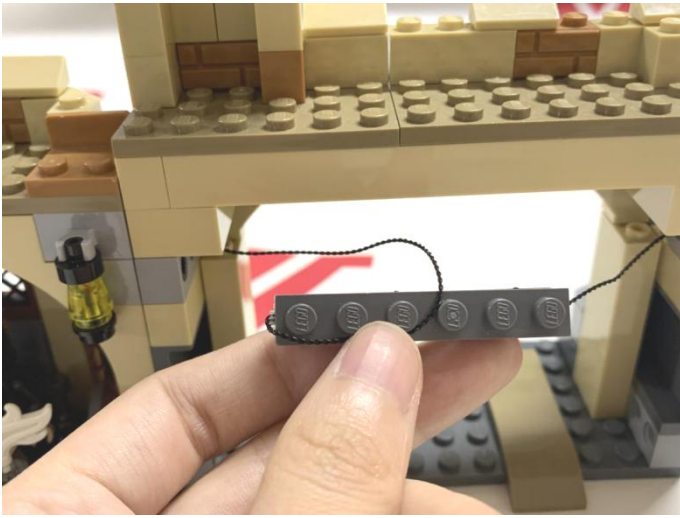
38. Take a warm white strip light, a 15cm connecting cable, a 1x6 plate. Stick the strip light to the back of the plate, connect the 15cm connecting cable to its port.



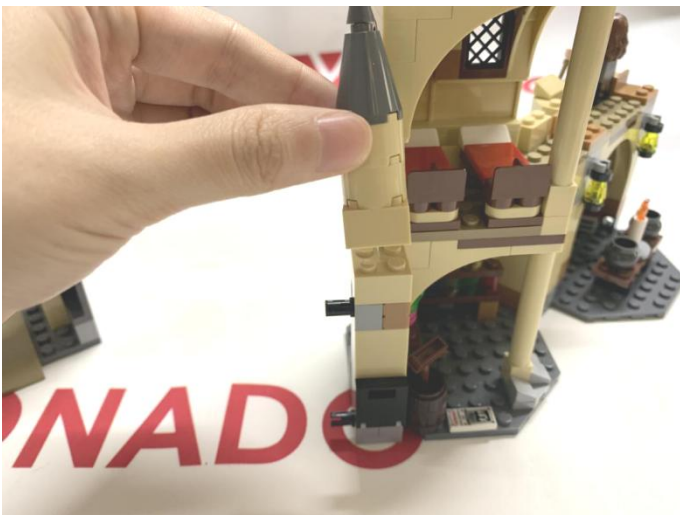
39. Connect the other port to the 15cm connecting cable we threaded through the wall before.



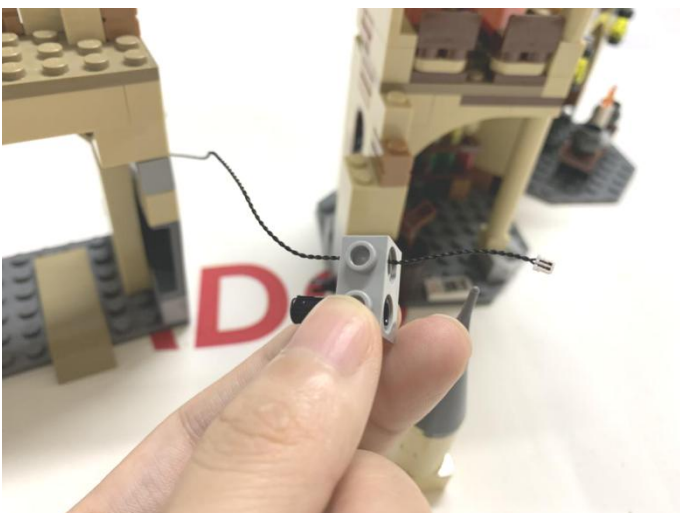
40. Place the excess cable in between studs of the plate, connect the strip light to the roof.



41. Remove the following pieces from the tower



42. Thread the 15cm connecting cable from the strip light through the gray technic piece before reconnecting the technic piece



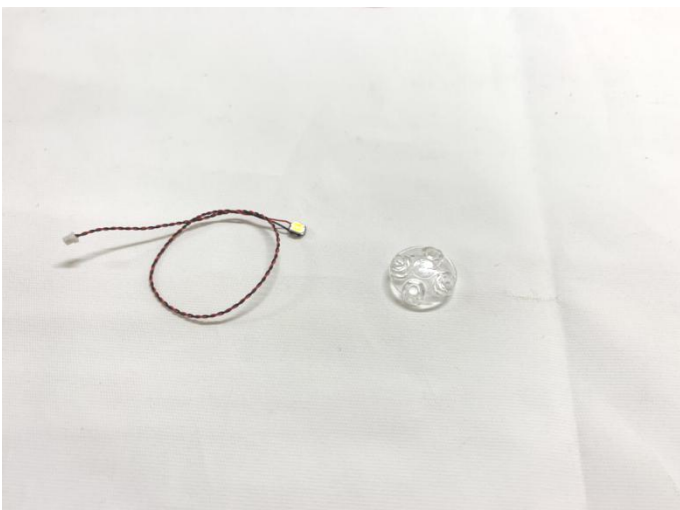
43. Place the connecting cable in between studs, pull it out from the right side, reconnect the tower.



44. Remove the second floor of the tower.



45. Take a 15cm warm white light, a 2x2 round plate. Install the light to the roof as we did before.



46. Remove the following plates.



47. Connect the plate underneath the second floor of the tower.

Thread the connector of the light through the following gap to the first floor inside the building. Reconnect the second floor of the tower.



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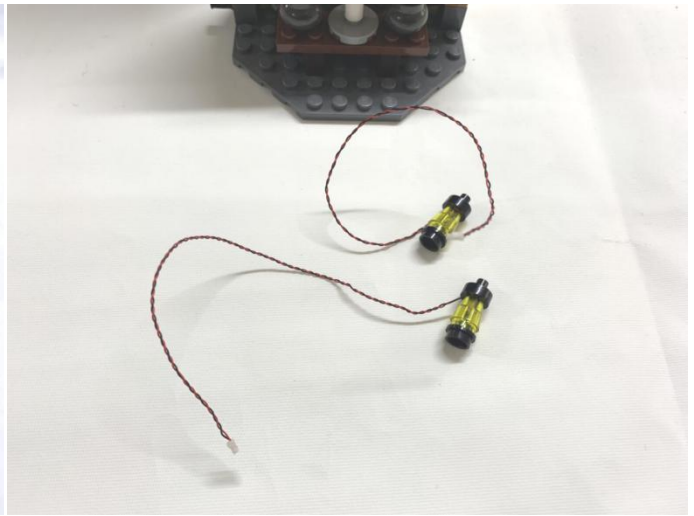
49. Disconnect the right building. Put the left building down.



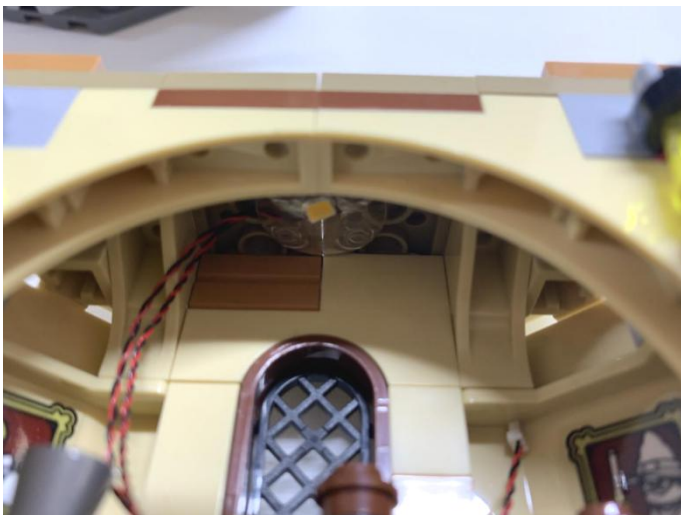
50. Take a warm white 15cm light, a 2x2 round plate. Repeat the previous steps to install the light to the top of the tower.



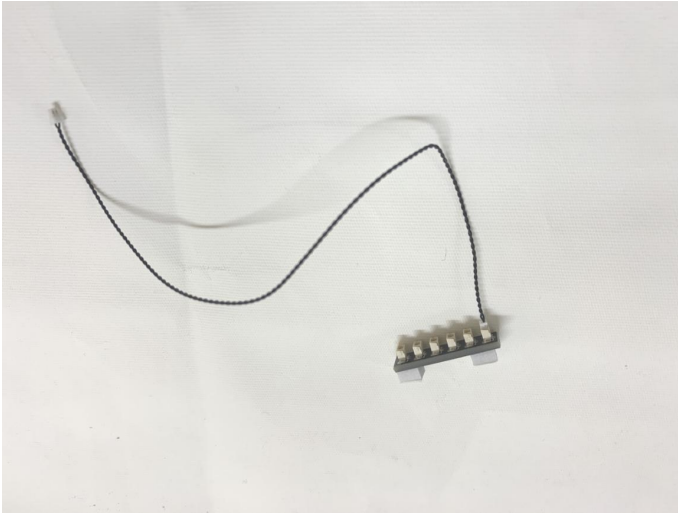
51. Now, we'll install the last part. Take 2 warm white 15cm dot lights, a warm white 15cm light, a 2x2 round plate. Repeat the steps above to install the lights.



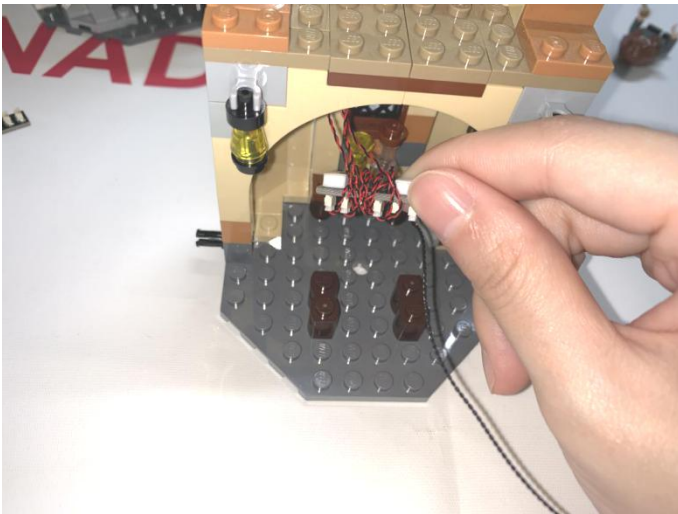
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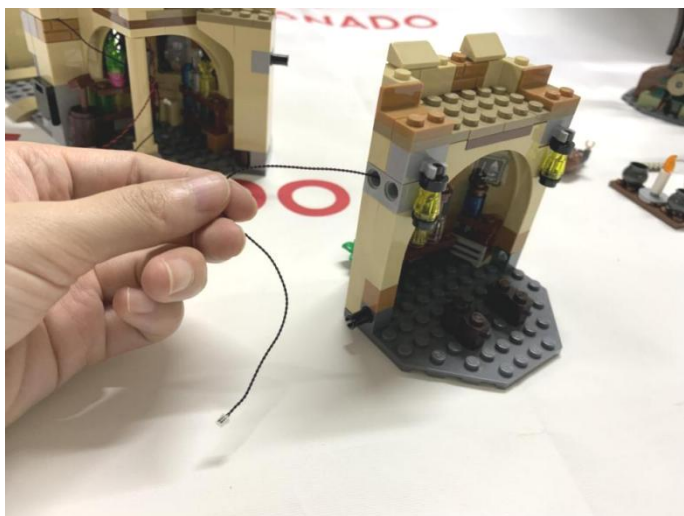
53. Take a 6-port expansion board, stick taps to both sides, connect a 15cm connecting cable to it.



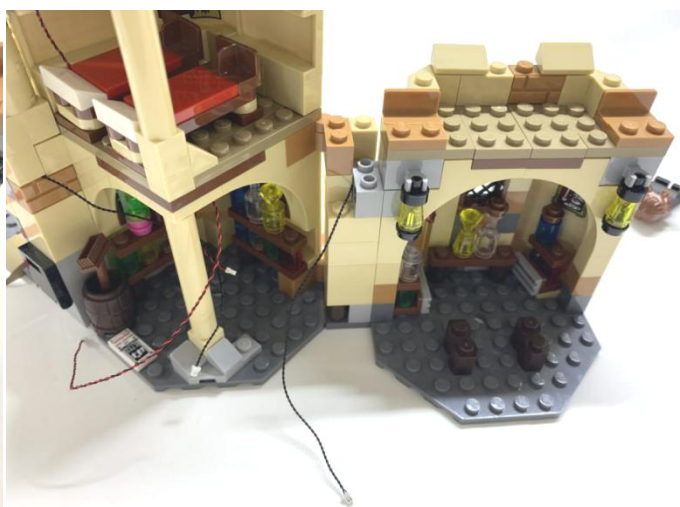
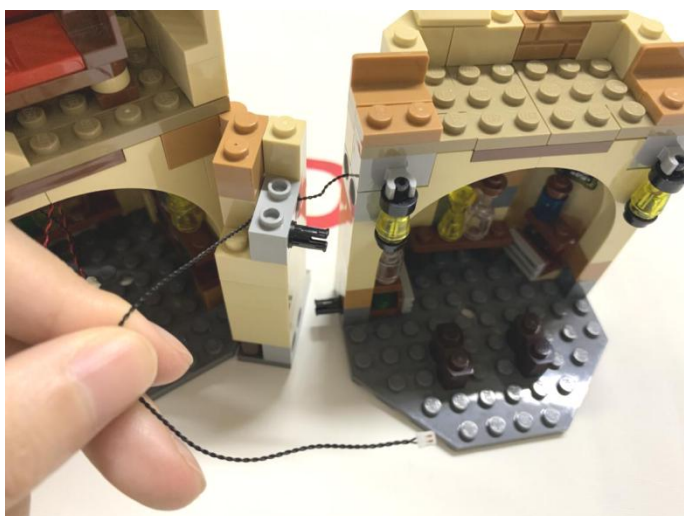
54. Connect all cables of the lights we just installed to the expansion board, tuck excess cable to it. Secure the expansion board n the wall by using the adhesive tapes.



55. Thread the 15cm connecting cable through the following gap, pull it toward the building at the left side.



56. Remove the following pieces from the building at the left, thread the cable through the gray technic piece, pull it to the first floor inside the left building.



57. Lift the yellow brick to place the cable in between studs, reconnect the brick.



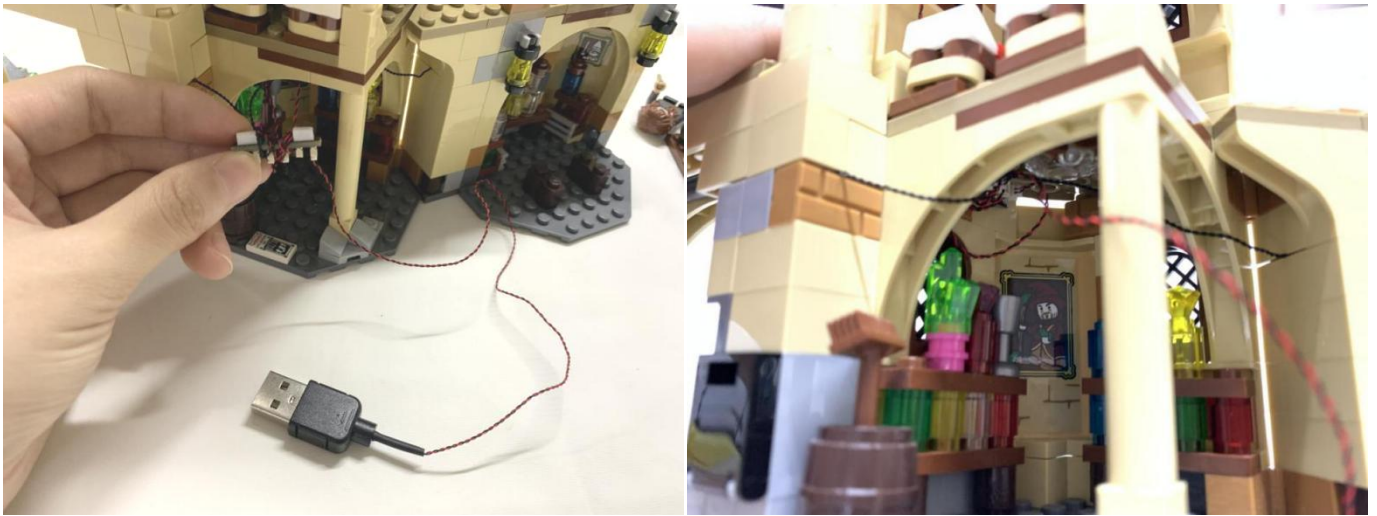
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59. Take a 6-port expansion board, a USB power cable. Stick adhesive tapes to the expansion board.



60. Connect the cable from the first floor to the 6-port expansion board, tuck excess cable around the expansion board. Connect the USB cable to it, stick the expansion board on the wall.



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

