

Old_Fishing_Store_21310 Fantasy Version LED Lighting Kit

Package contents:

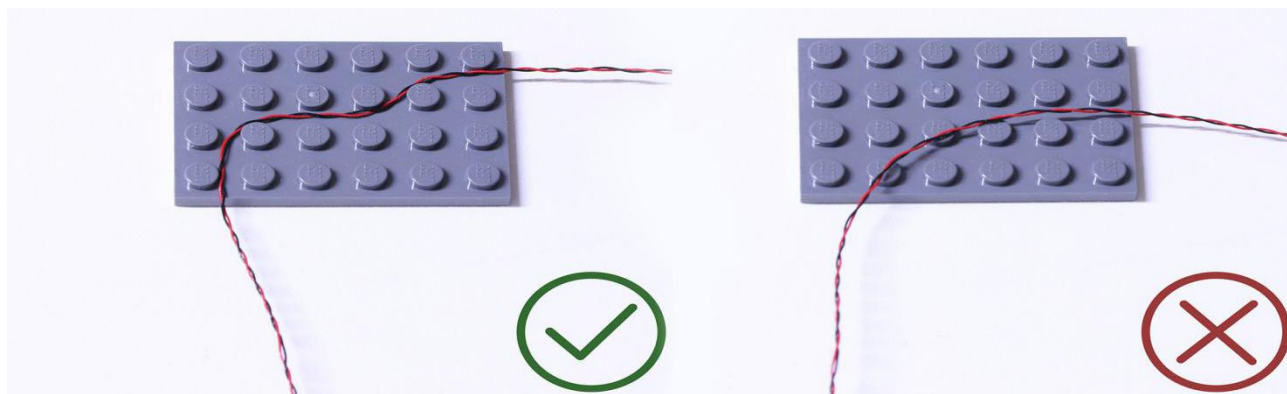
- 5x Warm White 15cm Dot Lights
- 2x White 30cm Dot Lights
- 2x Flashing Multi Colour 15cm Dot Lights
- 3x Warm White Strip Lights
- 1x Red Strip Light
- 1x 6-port Expansion Board
- 1x 8-port Expansion Board
- 4x 15cm Connecting Cables
- 1x 5cm Connecting Cable
- AA Battery Pack

Some Extra LEGO pieces

Note:

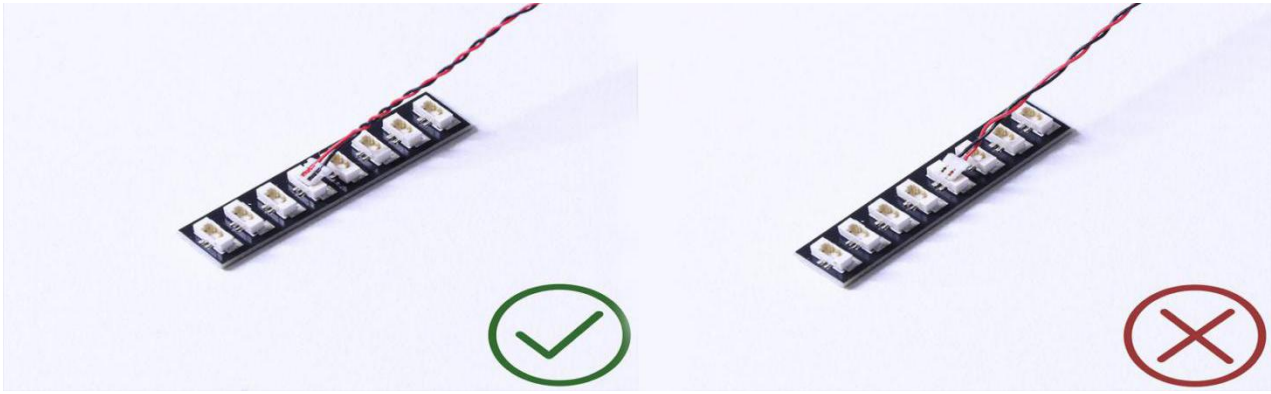
Place wires on the surface or under the LEGO building blocks.

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

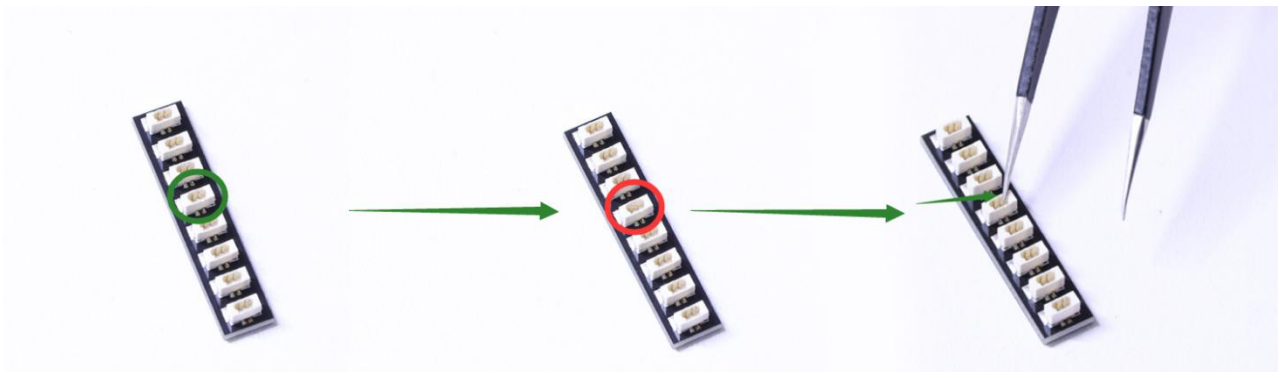


Insert the connectors to the ports.

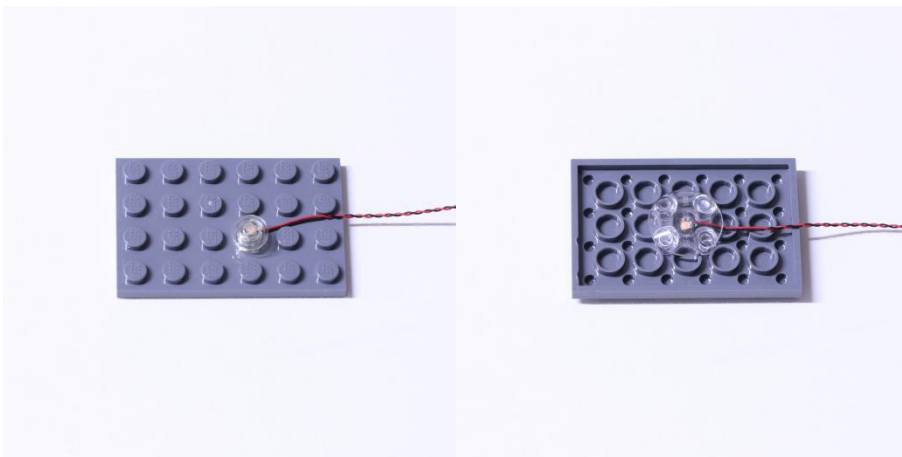
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

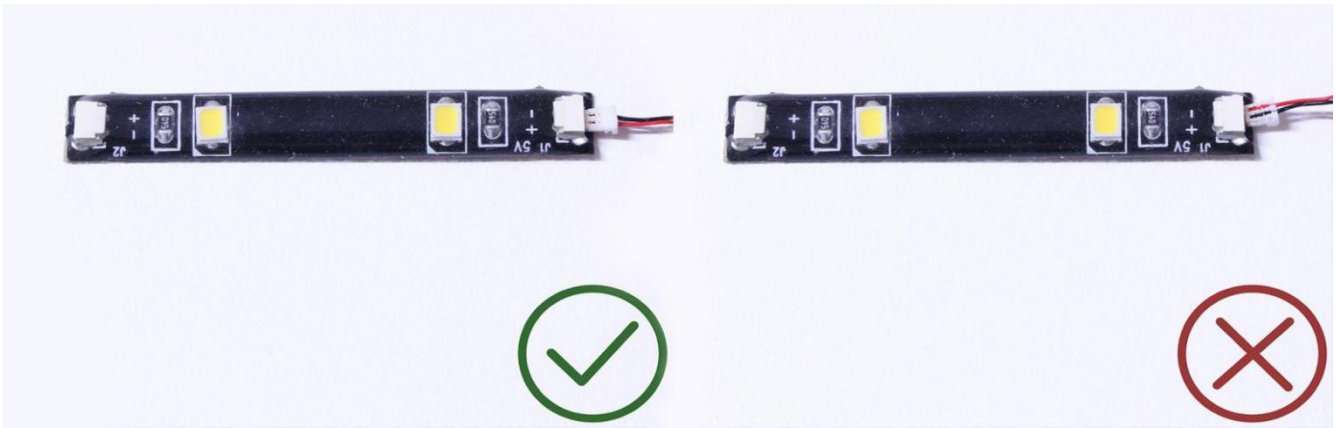


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

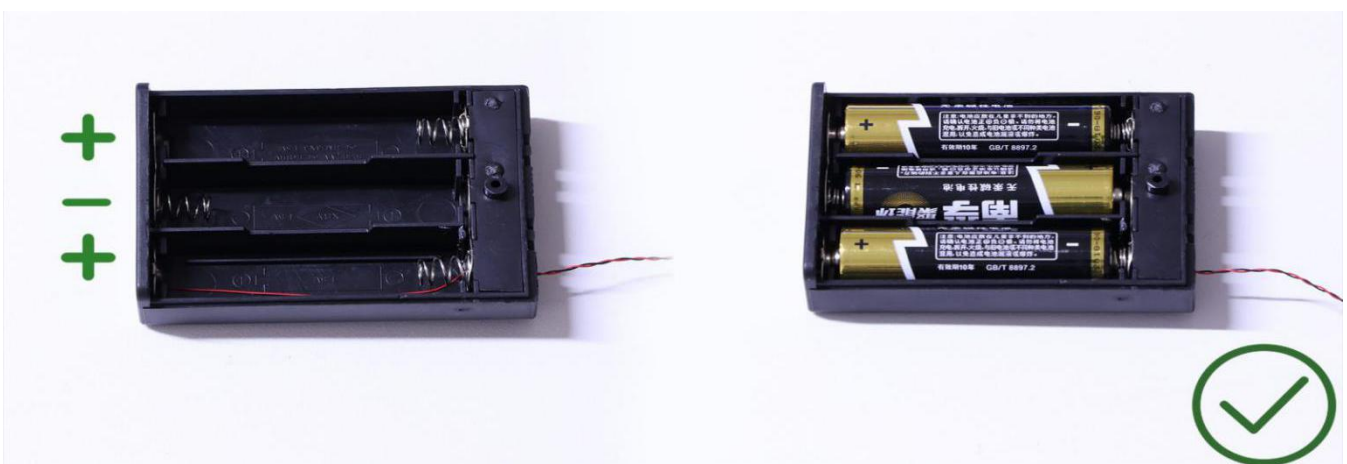


Connecting cable connectors to Strip Lights

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.

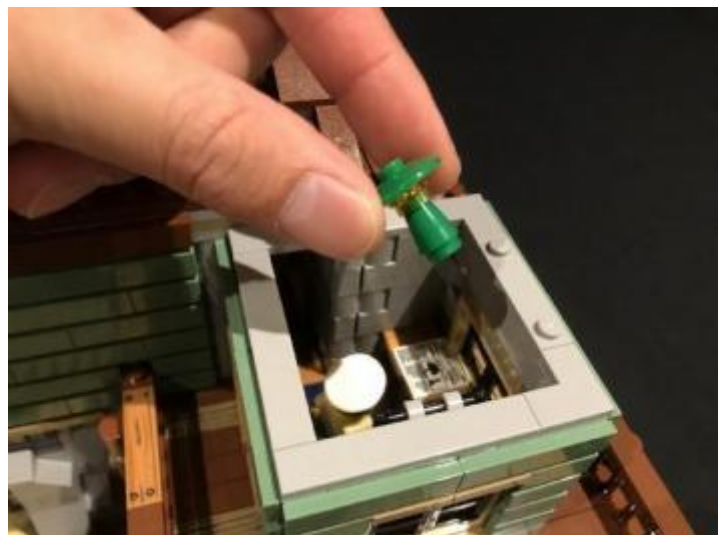
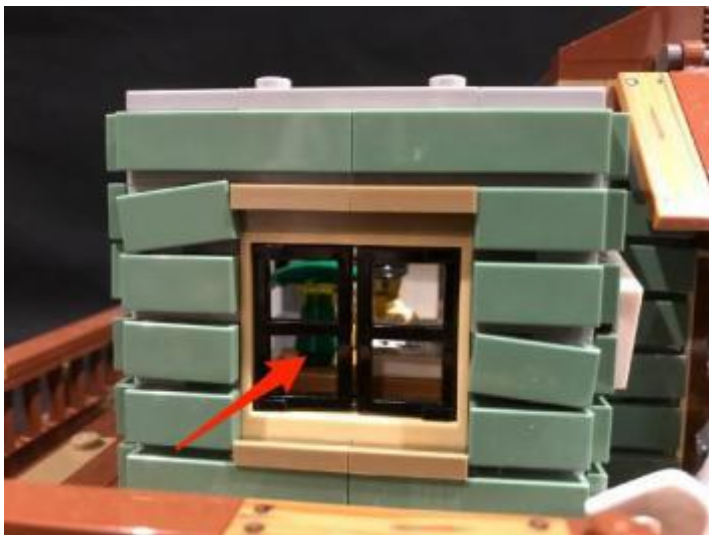


OK, Let's Begin!

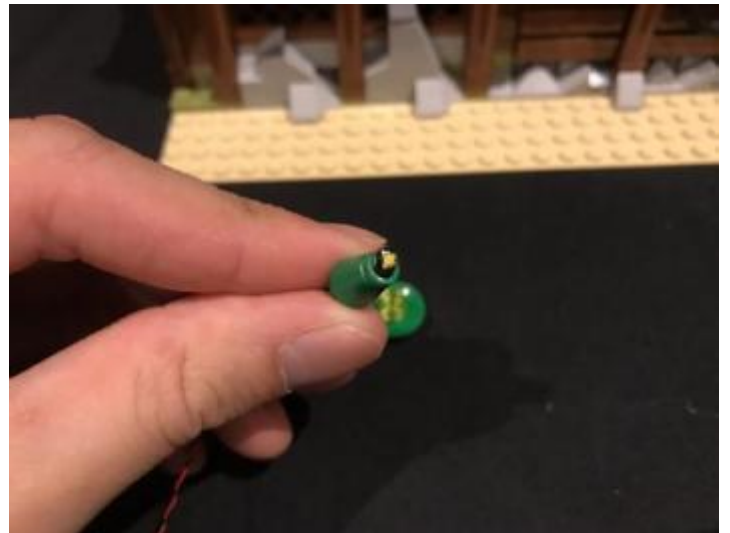
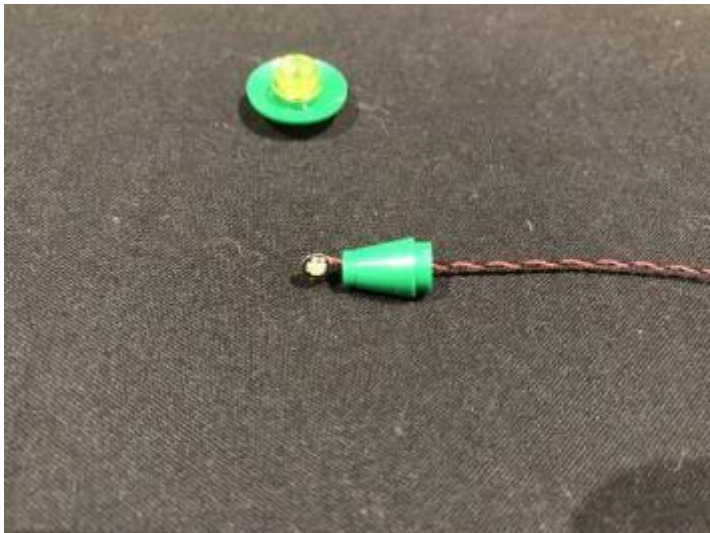
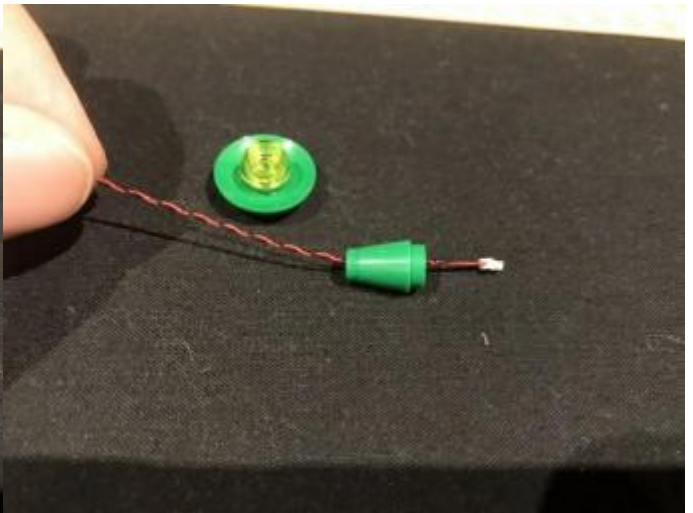
We' ll start from remove the upper floor and the roof of the main house



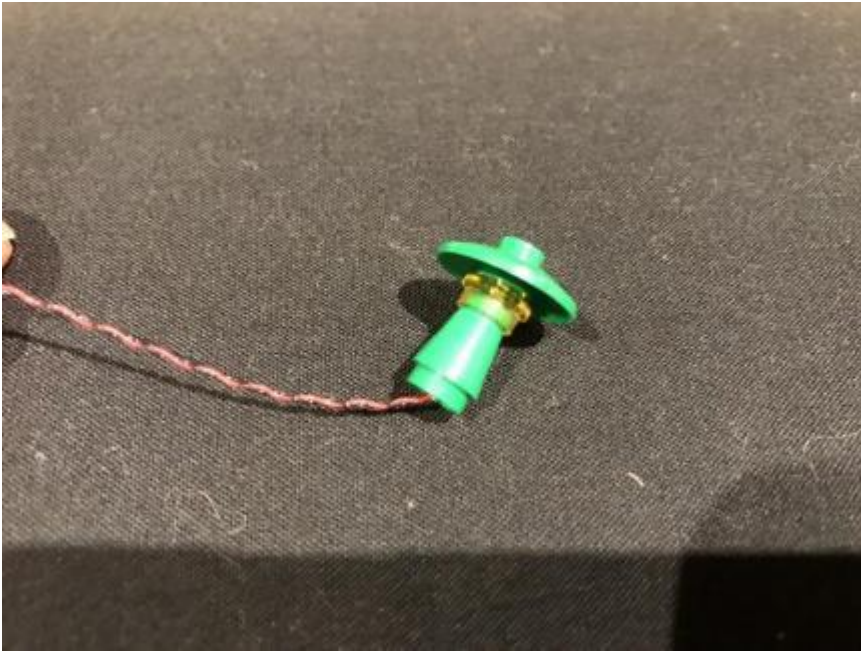
Remove the lamp, and disassemble it as per below



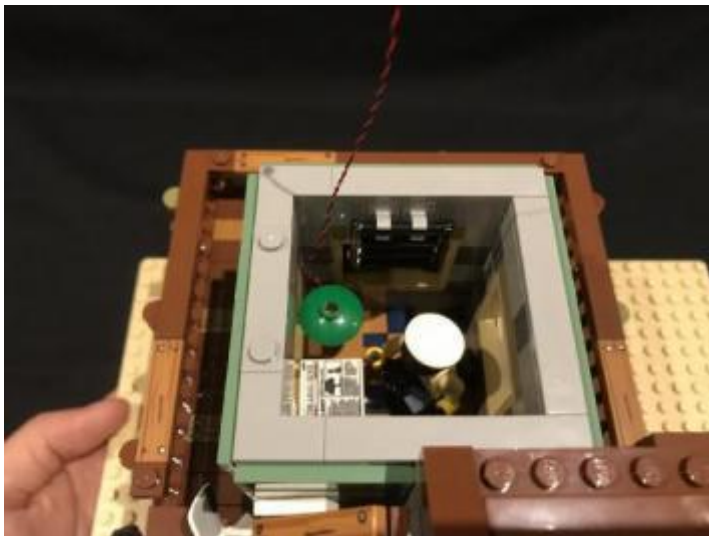
Take a warm white 15cm Dot Light, thread its connector through the hole from the bottom of the lamp, pull till the LED component is right against the top



you should bend the LED component slightly to place it stably at the top of the LOGO piece
reconnect the top section



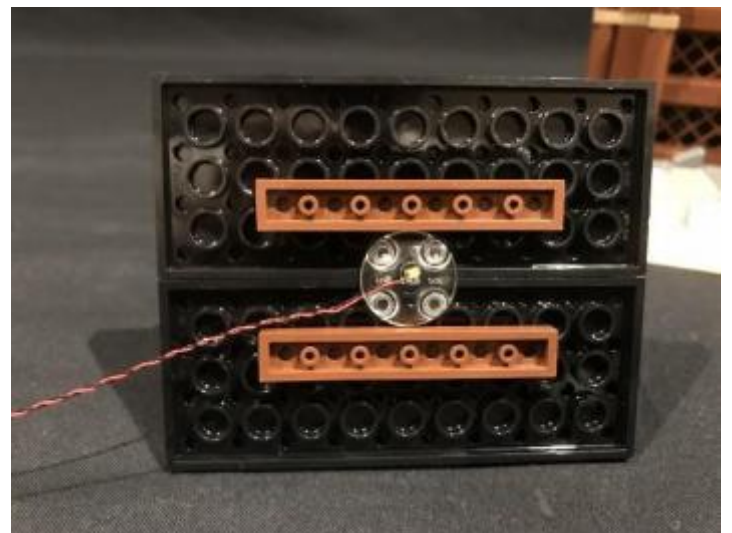
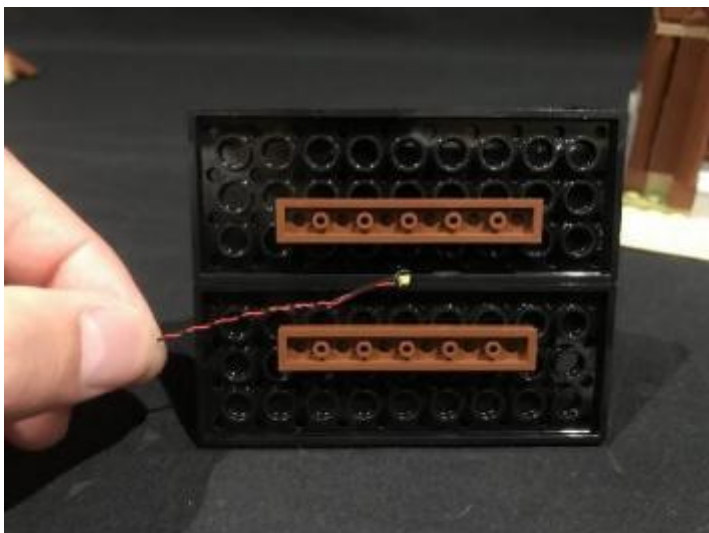
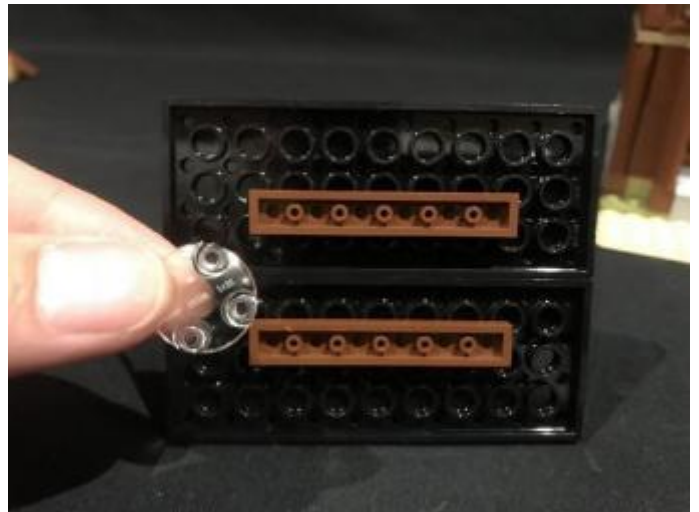
Reconnect the lamp, pull the cable out from the left corner to prevent it from being seen through the window



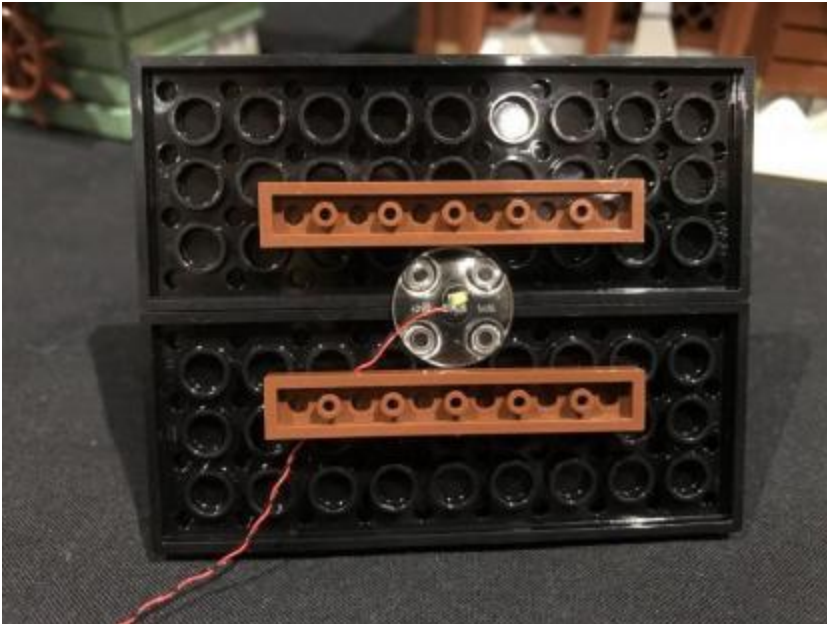
Remove the following roof



Remove the 2x2 trans round plate underneath the roof, place a warm white 15cm Dot Light at the center, secure the Dot Light by reconnecting the round plate over it



Ensure the LED component is facing up
Place the cable underneath the 1x6 brown plate.



Place the cable in between the studs

Take the telescope from the tower, take a white 30cm Dot Light

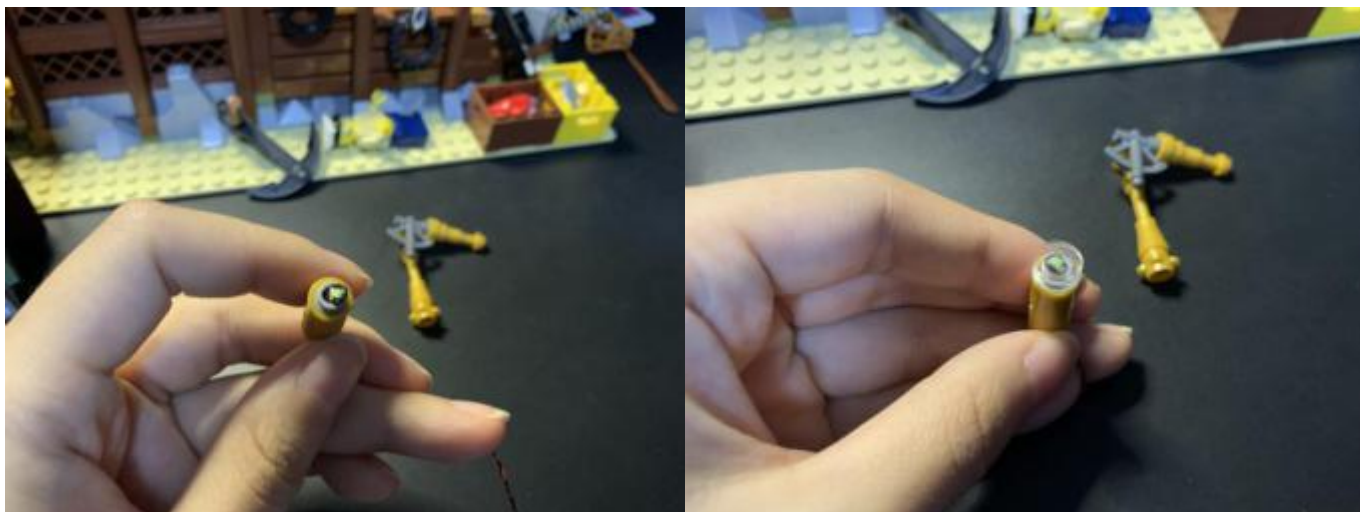
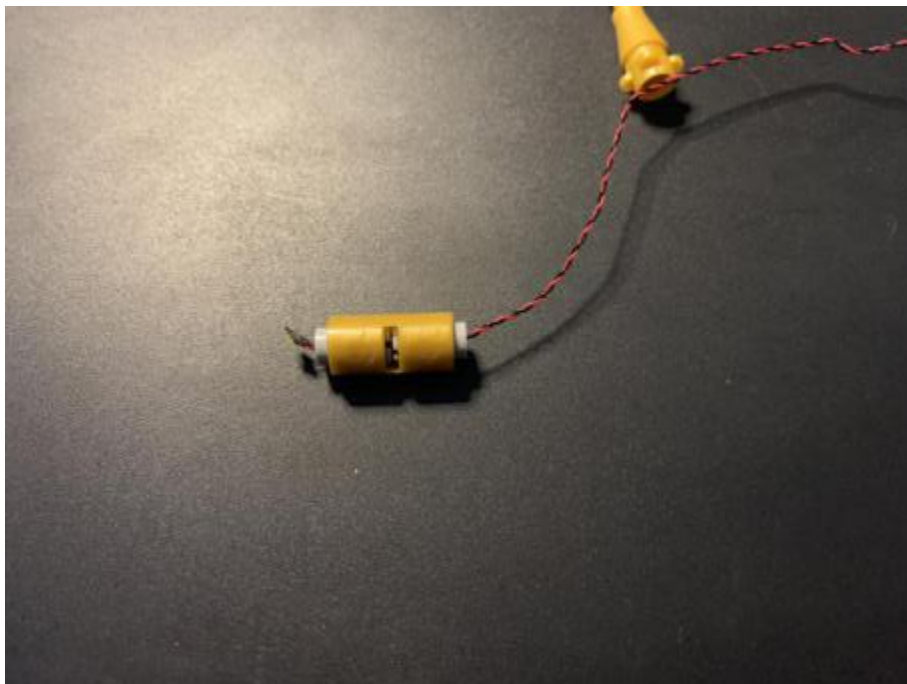


Disassemble the telescope as per below



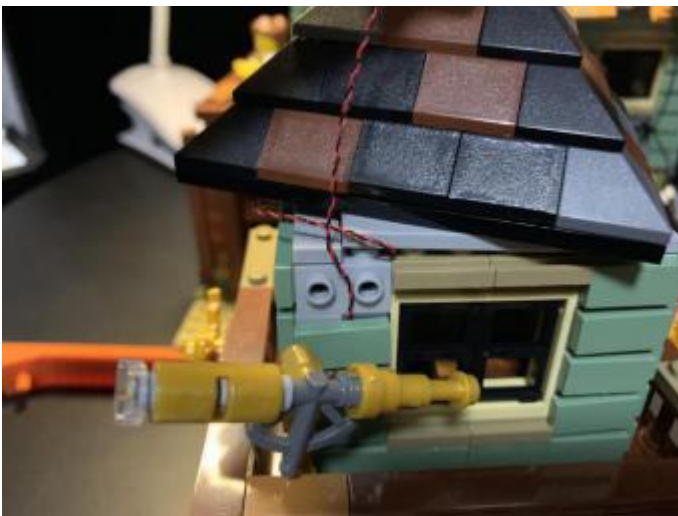
Thread the connector of the Dot Light through the following piece, pull till the LED component is

facing up, place the round plate over to secure it, then, reconnect the telescope



Remove the green plate from the wall behind the telescope, reconnect the telescope, ensure the cable

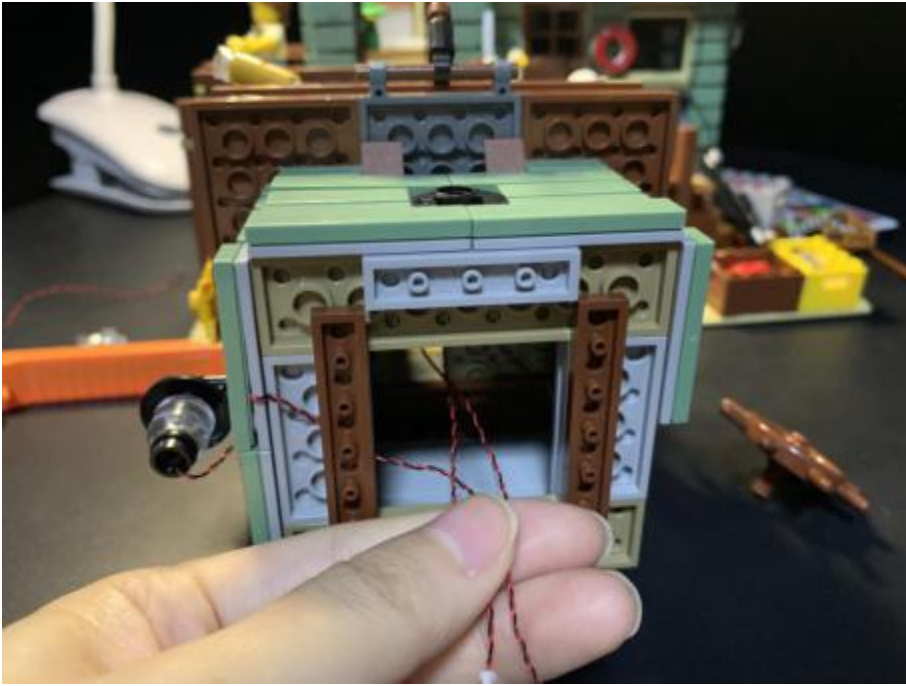
is laid in between studs



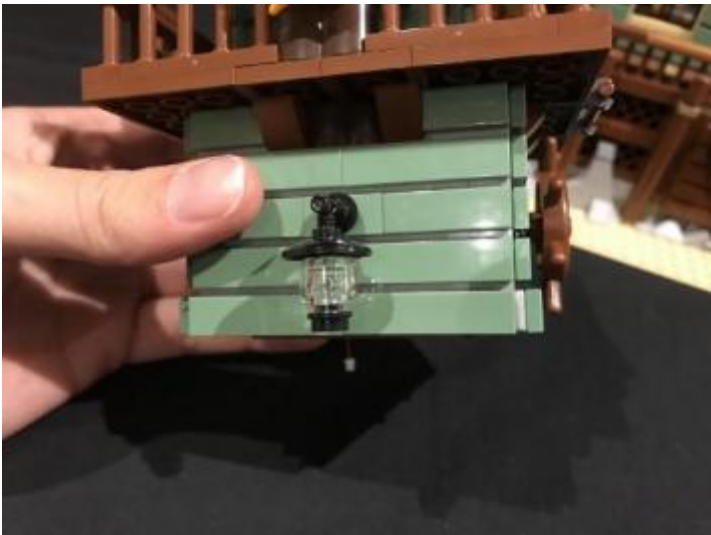
Then, press the cable underneath the gray brick, pull the cable down to the bottom of the tower



Pull the 2 cables from the roof out from the bottom before we reconnect the roof

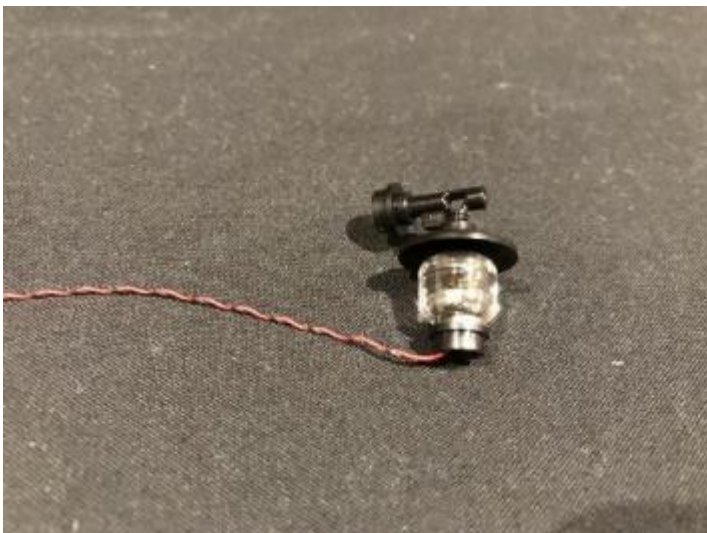
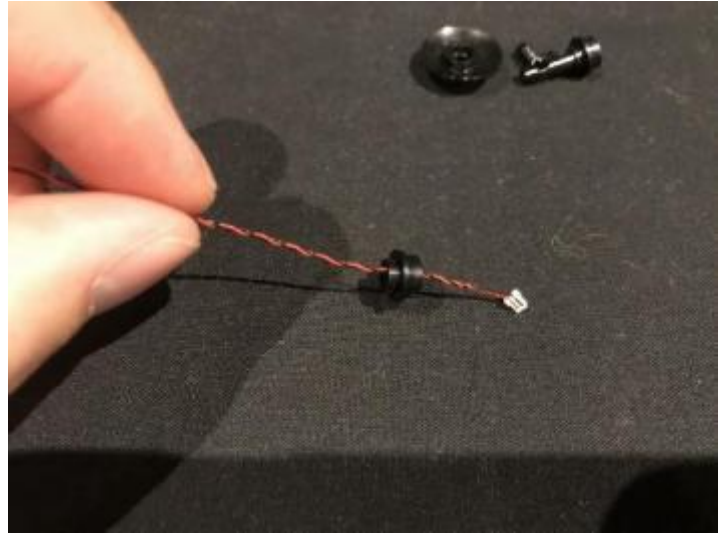
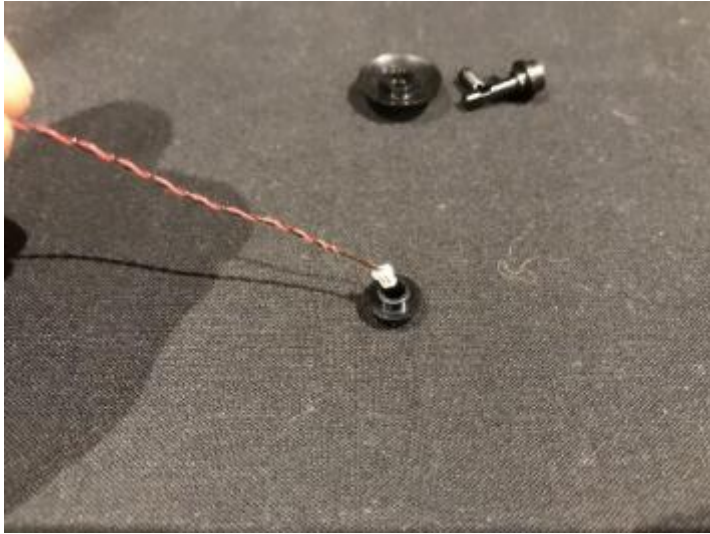


Remove the lamp at the bottom of the section, disassemble the black stud



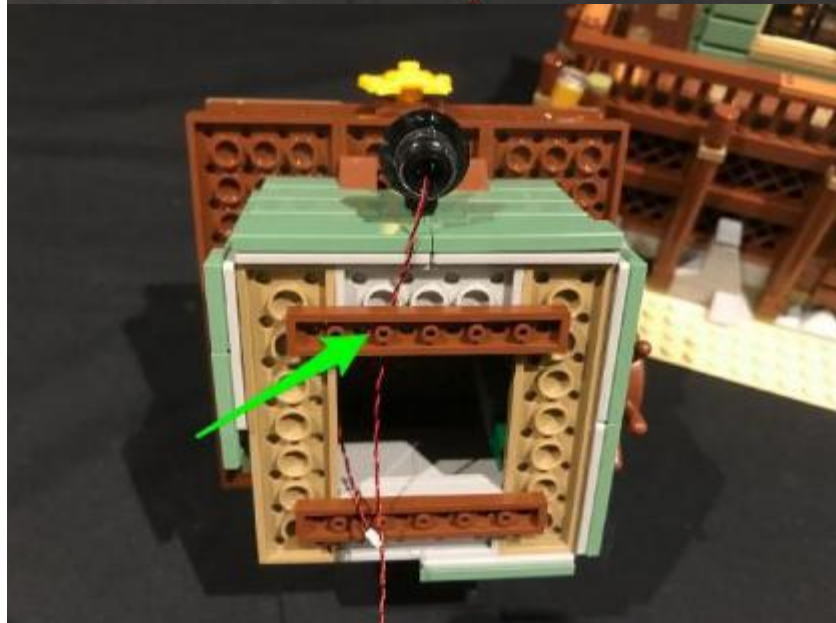
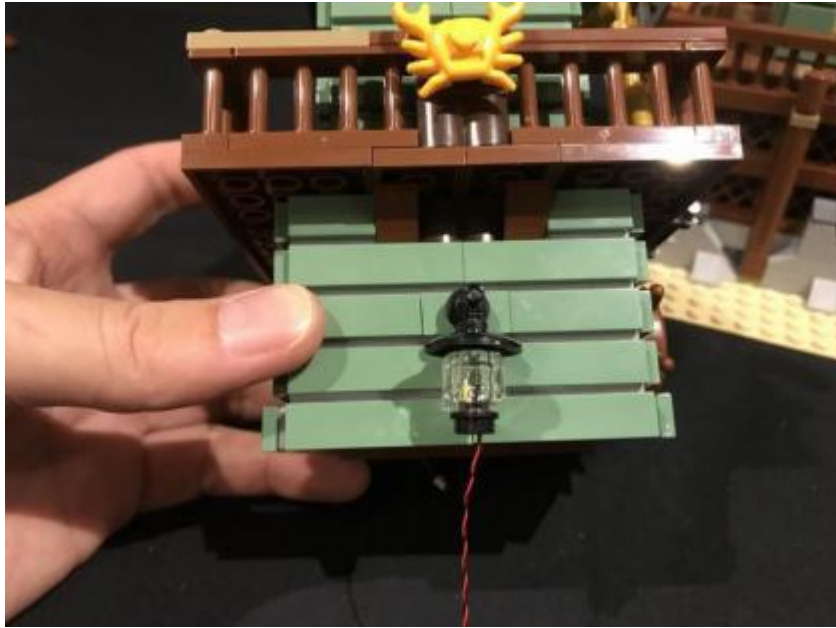
Take another warm white 15cm Dot Light, thread its connector through the

black round piece, pull till the LED component is right against the top, then, reconnect it to the lamp



You may need to bend the LED component slightly to make sure it is placed flatly at the top of the piece

Place the lamp back, place the cable underneath the 1x6 brown brick



Remove the wheel



Take a flashing multi colour Dot Light, a 2x2 trans round plate



Using the trans round plate to secure the Dot Light in place, with its LED component facing down, remove the green plate underneath



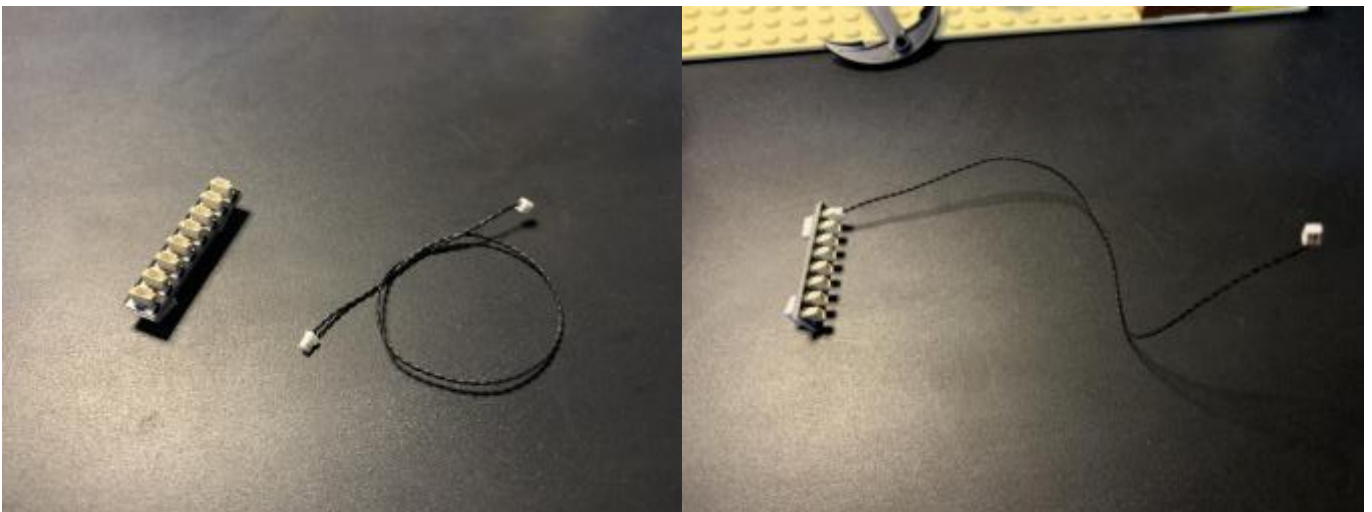
Thread the connector through the hole, pull it out from the bottom



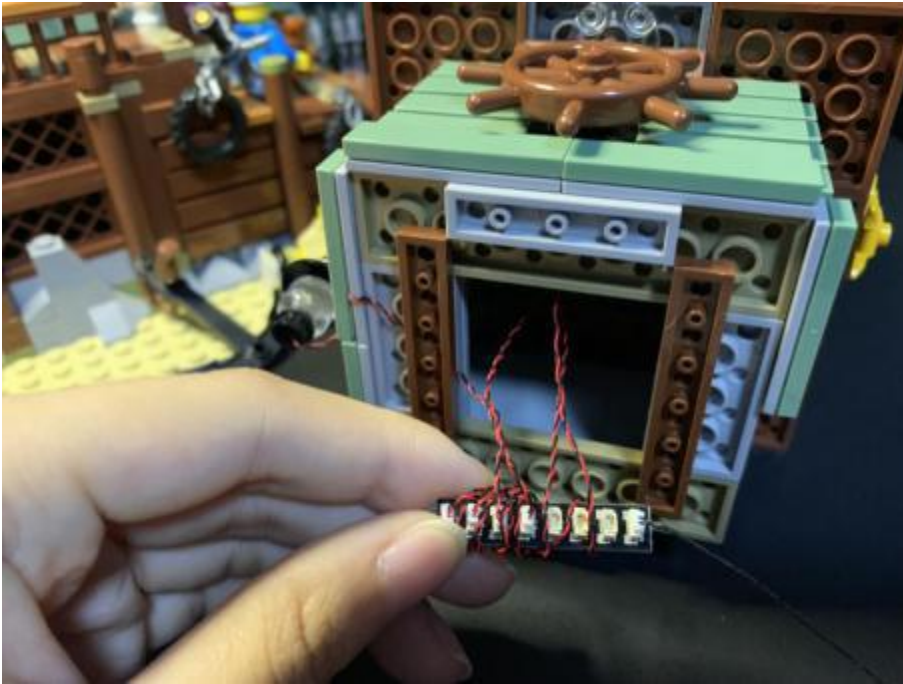
Hide the cable underneath the plates before Reconnecting the plate and the wheel



Take the 8-port expansion board, a 15cm connecting cable, stick tapes at both sides, connect the cable to one of the port



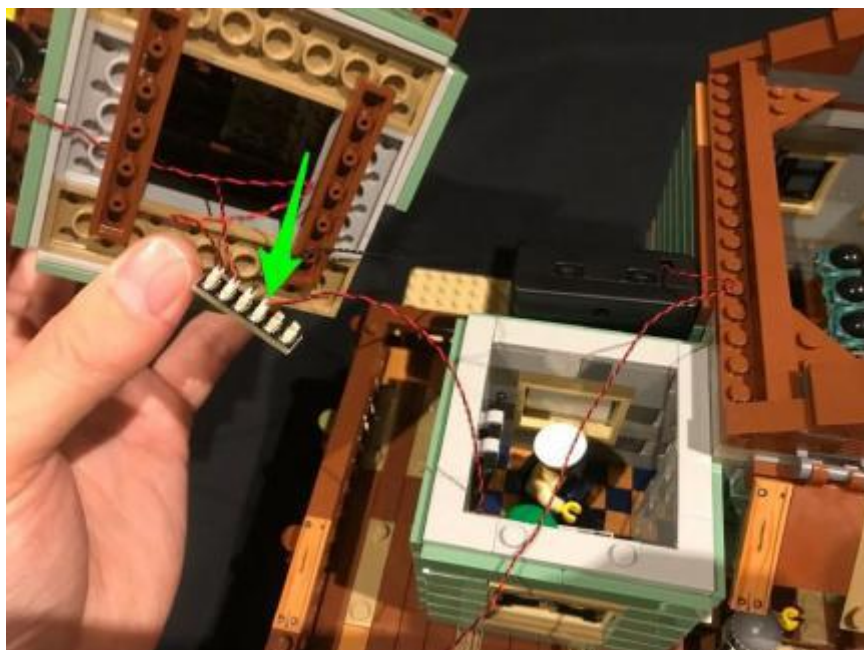
Connect the cables of the lights from the tower to the expansion board, tuck the excess cables on it



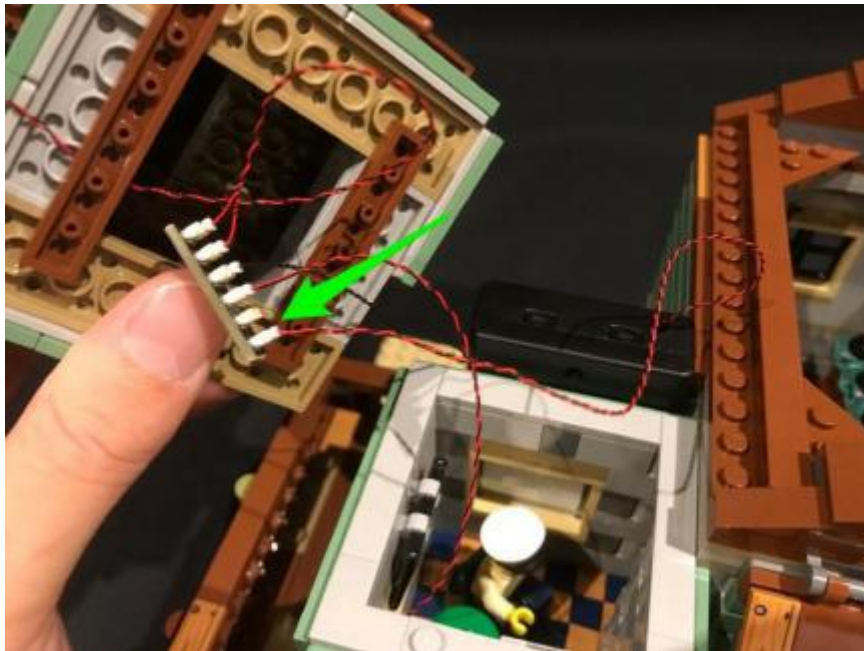
Take the AA battery pack, inserted with batteries, place the battery pack at the back of the building



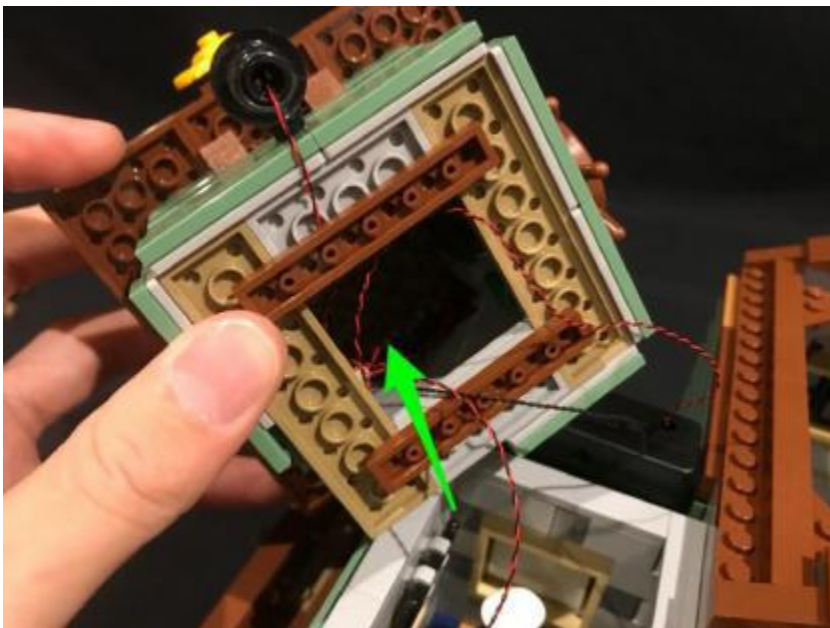
Reconnect the upper floor after we connect the cables of the lights from the lower floor to the expansion board



Connect the cable of the battery pack to the expansion board



Using the adhesive tapes to stick the excess cables to the upper floor



Pull the 15cm cable to the right side of the building before reconnect the upper floor



Ensure you can reach the cable from the back

Now, you can turn on the battery pack and ensure all the lights we have installed so far are working.

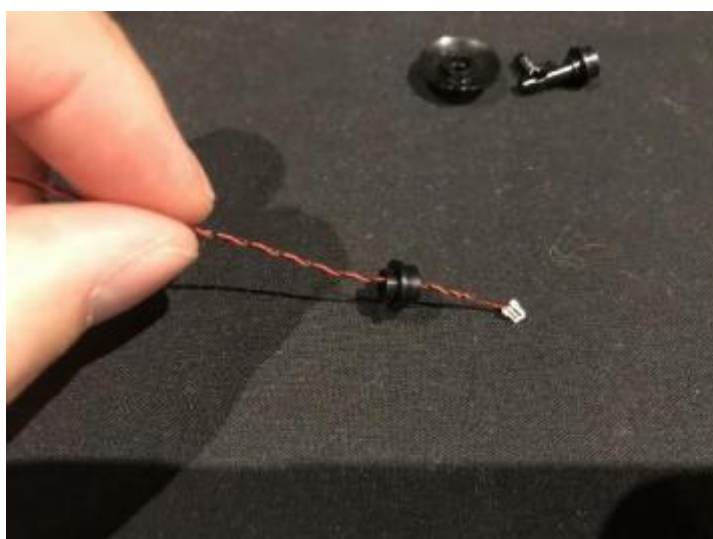
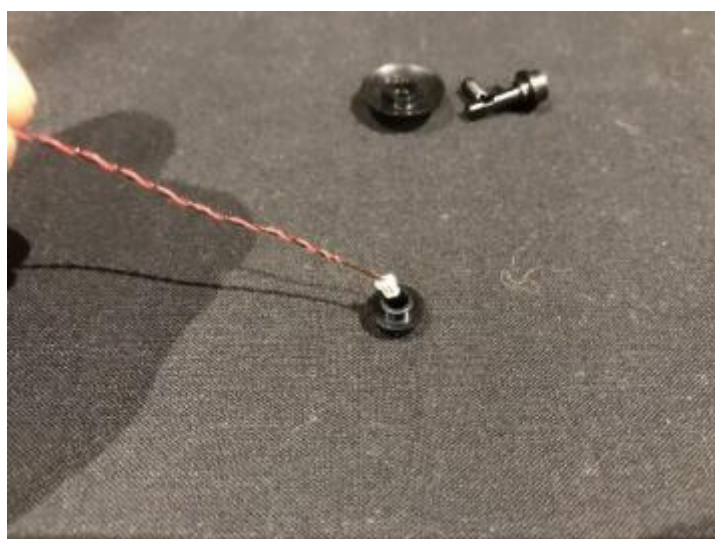


Remove the lamp from the right side of the building, disassemble the black round stud





Take a warm white 15cm Dot Light, thread its connector through the black round plate, pull till the LED component is right against the top, reconnect this section back to the lamp





Bend the LED component slightly to ensure it is placed faultly at the top
 12.) remove the following bricks



Reconnect the lamp, pull the cable up to the back, ensure it is laid in between studs before we reconnect the bricks



Place the cable as per below

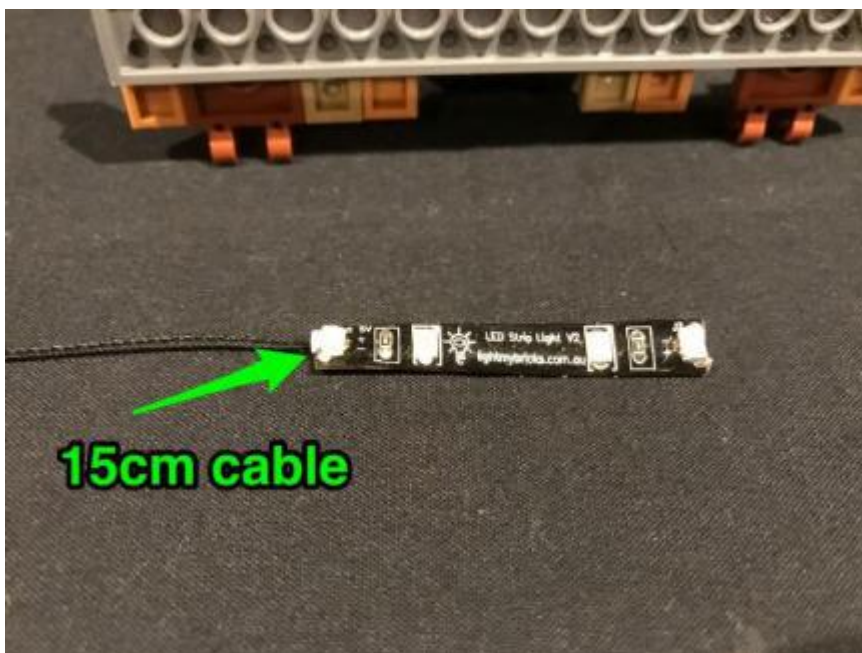


Turn the building to the front, remove the “Anton's Bait Shop” sign, turn the sign over





Take a warm white strip light, connect one side of a 15cm connecting cable to its left port



Stick it to the following place underneath the sign



Connect the other side of the Dot Light to the right port of the strip, reconnect the sign



Hide the excess cable as per below

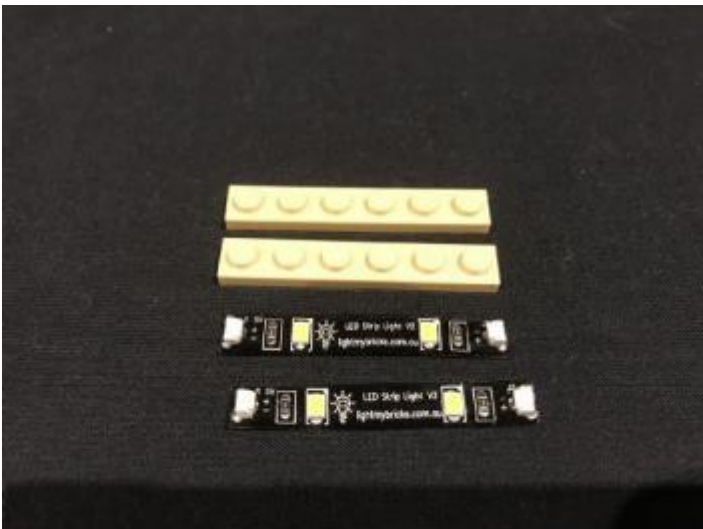


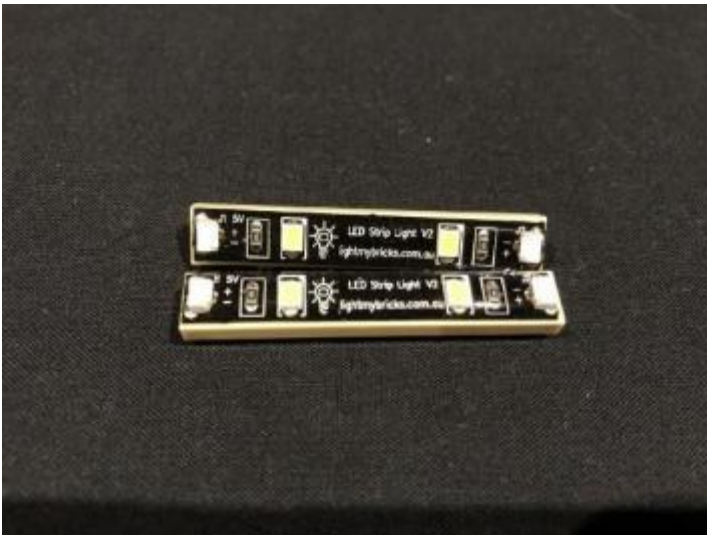
pull the 15cm cable out



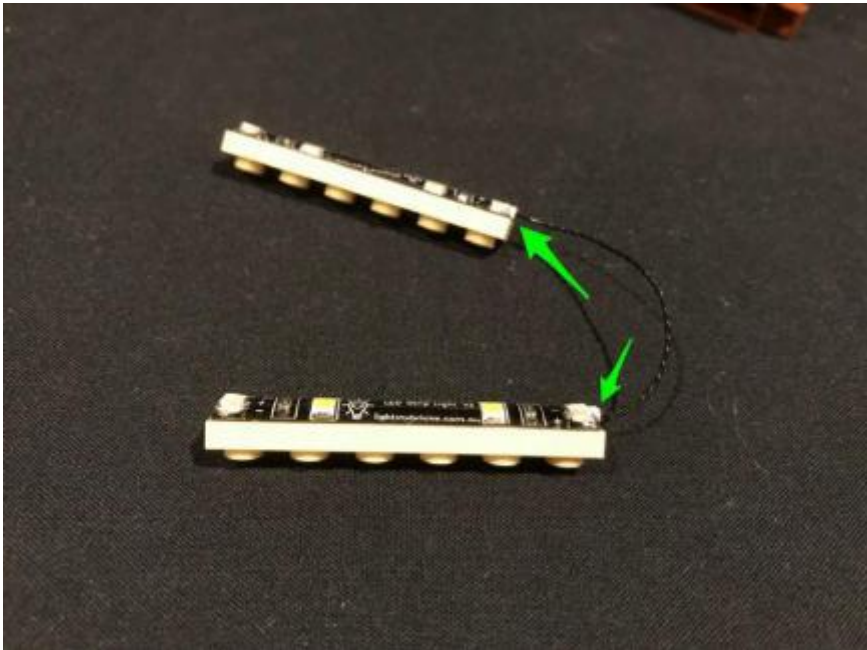
Remove the roof of the main house

Take the last 2 warm white strip lights, stick them separately to the back the 2
LEGO 1x6 plates





Using a 5cm connecting cable to connect them together



connect the 2 strip lights at the underneath the roof as per below



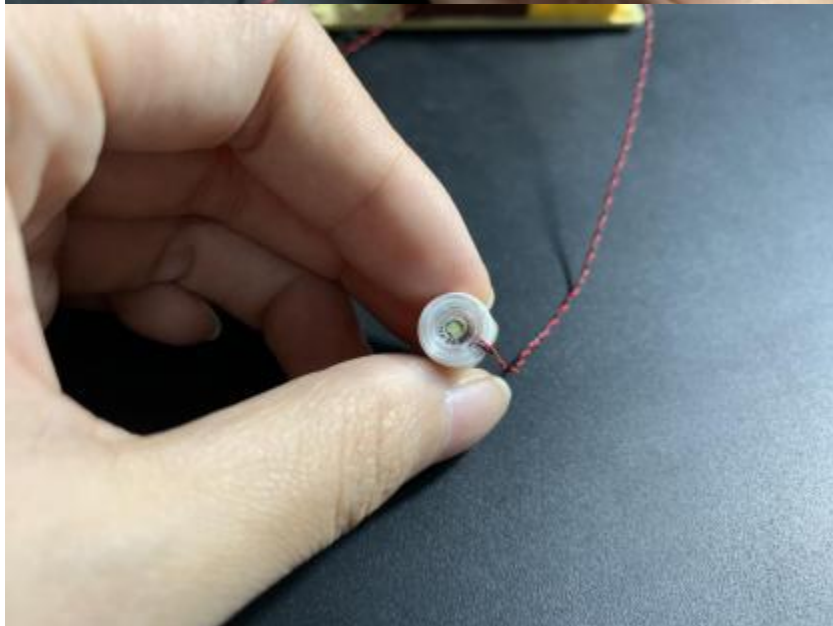
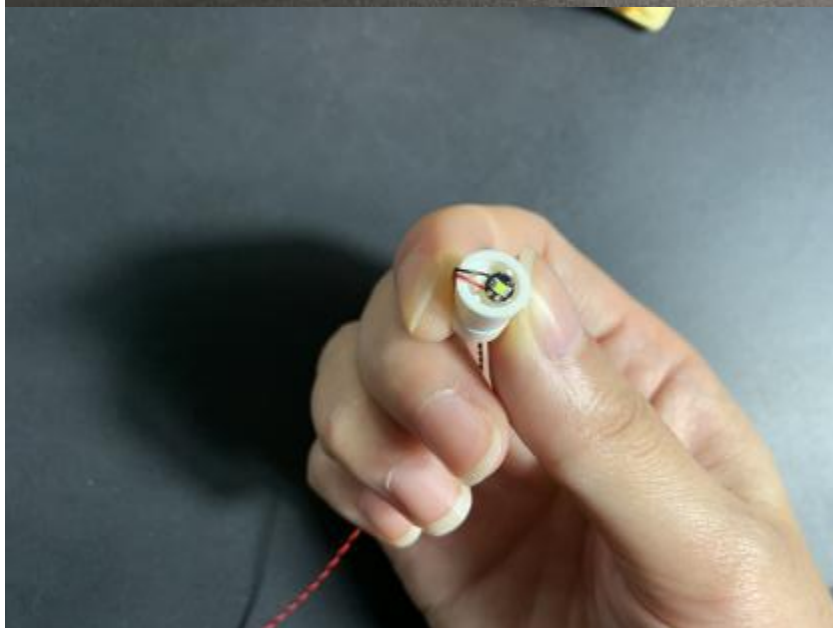
We’ ll move onto installing lights inside



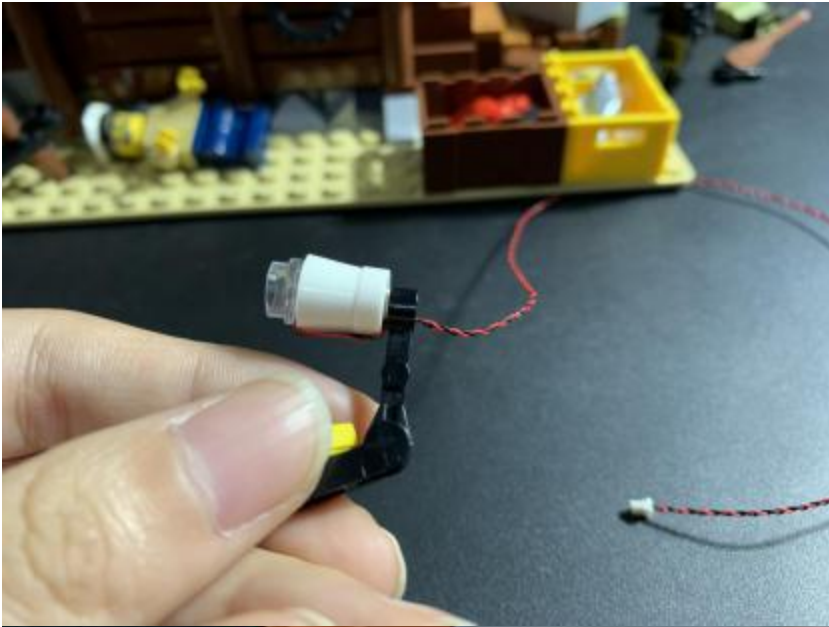
Take the lamp, a 30cm white Dot Light



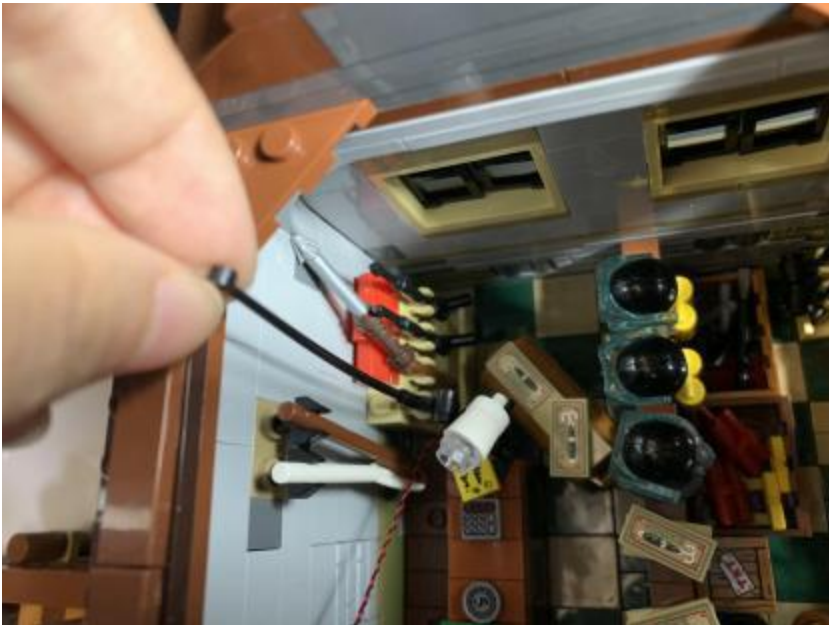
Disassemble the lamp, place the LED component of the light inside the white piece



Reconnect the lamp, secure the cable at the black slot, reconnect the lamp



Take the fish pole, press the cable at the slot on the pole





Pull the cable up, remove 2 the brown base plates, place the cable underneath the plate in between studs





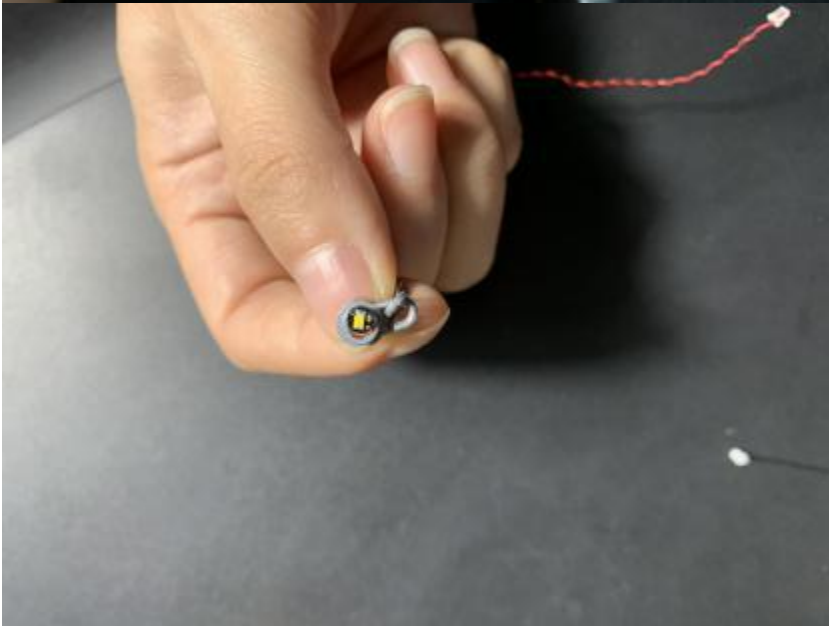
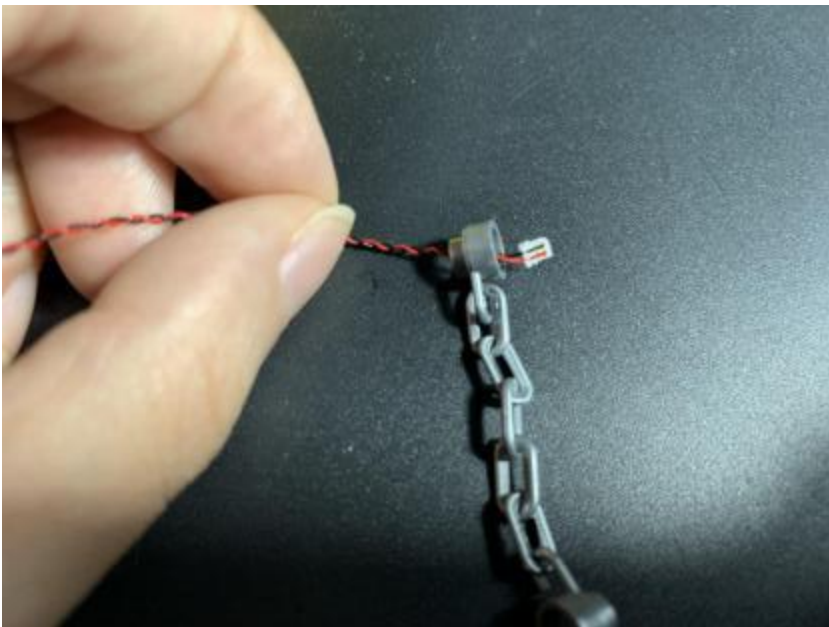
Continue to remove the lamp on the wall, take a warm white 15cm Dot Light



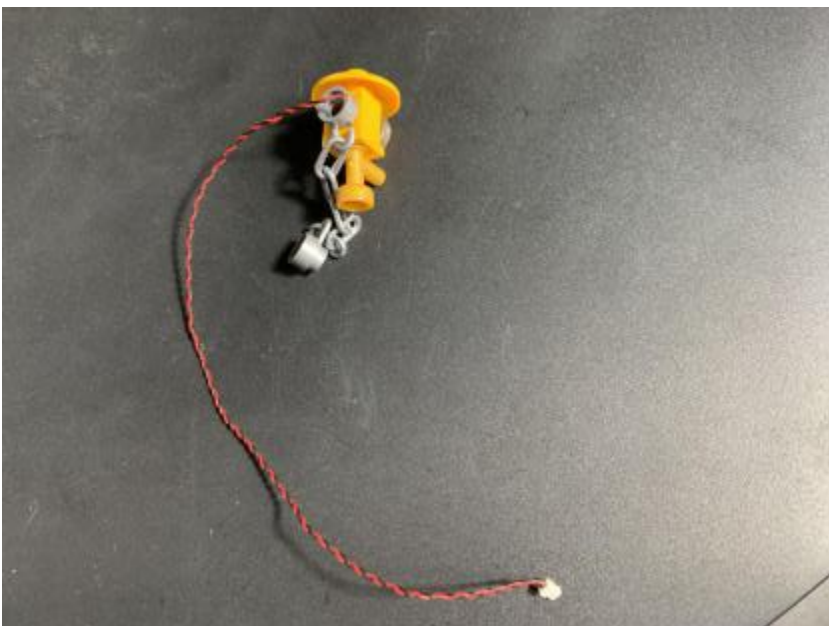
Disassemble the lamp as per below



Thread its connector through the hole on the chain, ensuring the LED component is facing up

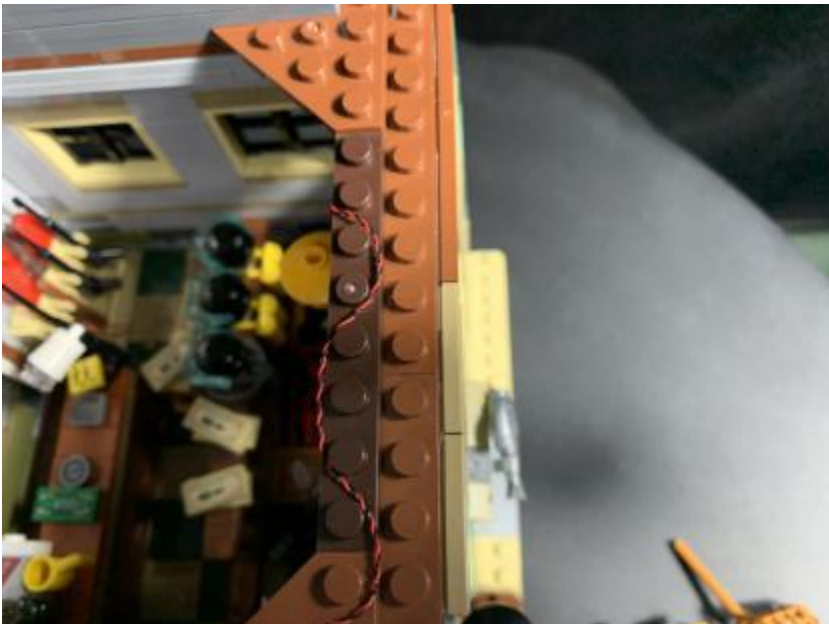


Reconnect the lamp





Also place the cable underneath the plate



Take a flashing multi colour 15cm Dot Light, a 1x1 trans round plate



Remove the life buoy and the plate



Secure the light at the plate by using the trans round plate



Remove the window, secure the cable at the corner of the window



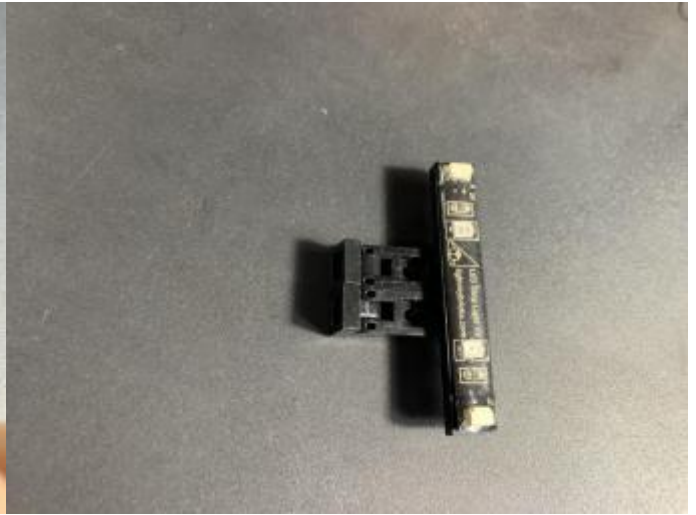
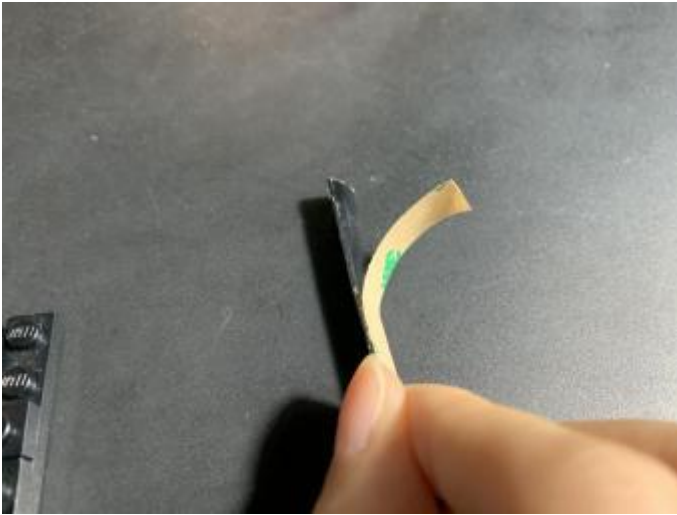
Take the 6-port expansion board, stick tapes at both sides, connect the cables from the roof to it, turn on the battery pack to ensure all the lights are working



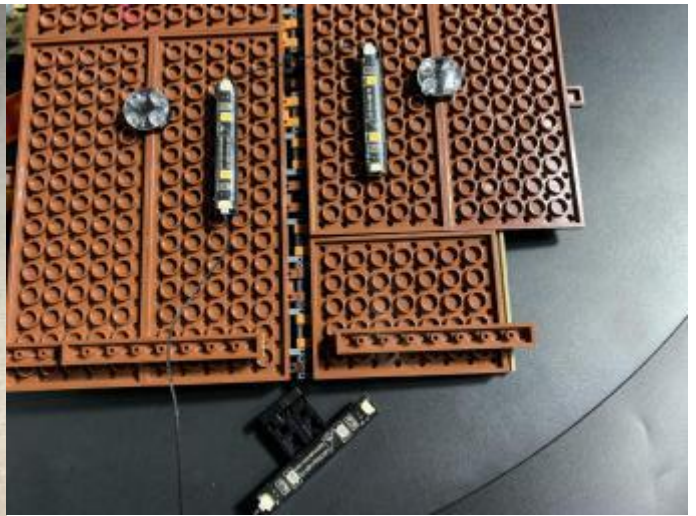
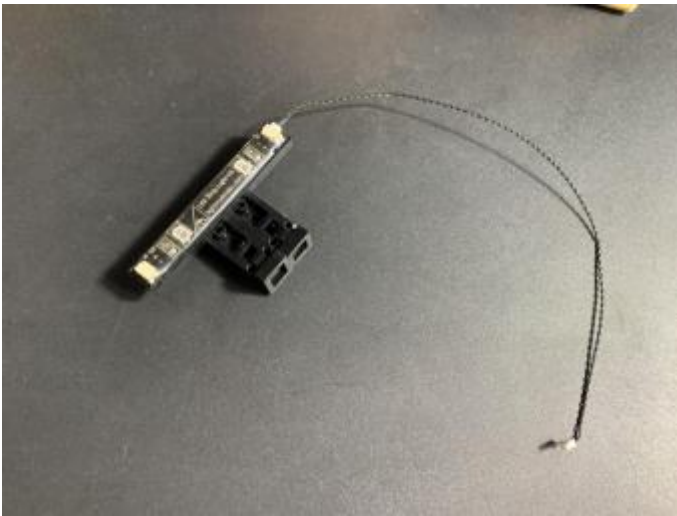


Take a red strip light, and the following LEGO pieces, assemble them together as per below

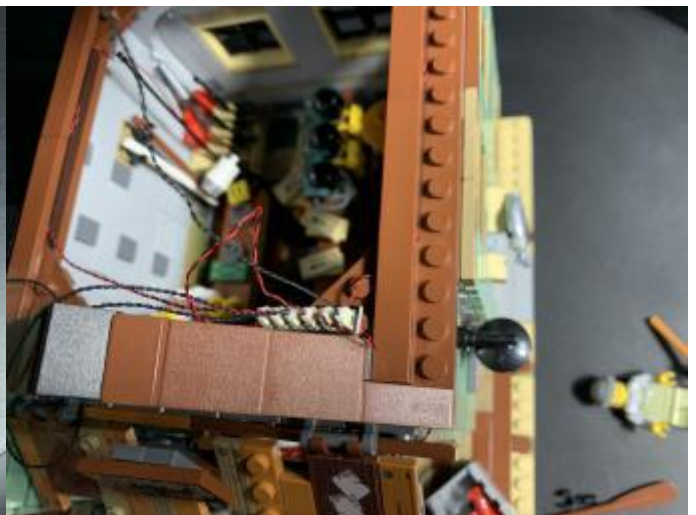




Take a 15cm connecting cable, connect it to one port on the strip, and connect its other side to the other strip light at the roof



Take a 15cm connecting cable, connect it to one port of the strip on the roof, connect the other side to the expansion board



Reconnect the roof, ensure you leave the red strip light outside the house, and tuck the excess cables inside the house



Connect the strip light at the following position



This finally completes the LED lighting circuit. Your kit is now ready to be turned “ON” .
Now turn on the lighting kit, and enjoy!

