

The APOCALYPSEBURG 70840 Led Lighting Kit

Package contents:

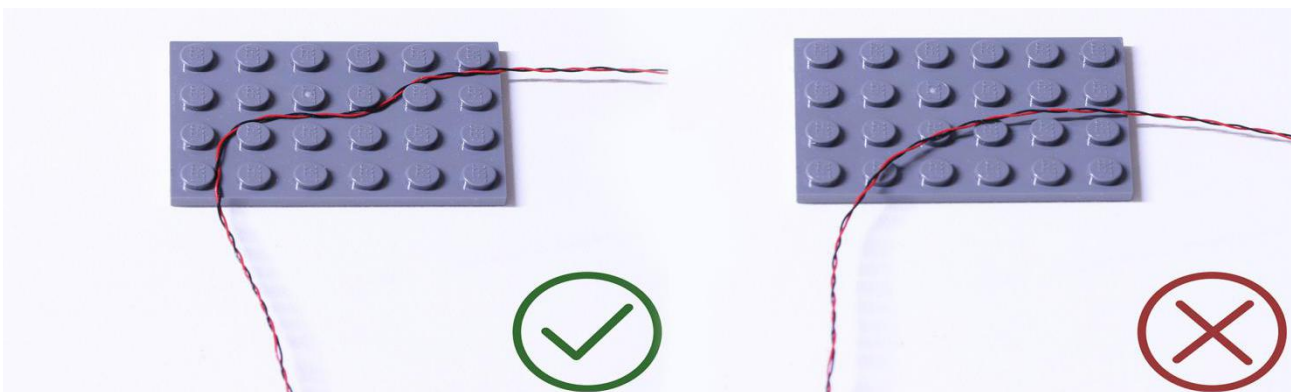
- 2 x 15cm Yellow dot Lights
- 1 x 30cm Warm White dot Light
- 11 x 15cm Warm White dot Lights
- 2 x 15cm White dot Lights
- 1x 15cm Multi Colour Flashing dot Light
- 11x Warm White Strip Lights
- 1x Red Strip Light
- 1x Blue Strip Light
- 4x 5cm Connecting Cables
- 9x 15cm Connecting Cables
- 2x 30cm Connecting Cables
- 1x 50cm Connecting Cable
- 1 x 6-port Expansion Board
- 2 x 8-port Expansion Boards
- 1x USB cable
- 1x Flicker Effects Board

Extra LEGO pieces, Adhesive Squares

Note:

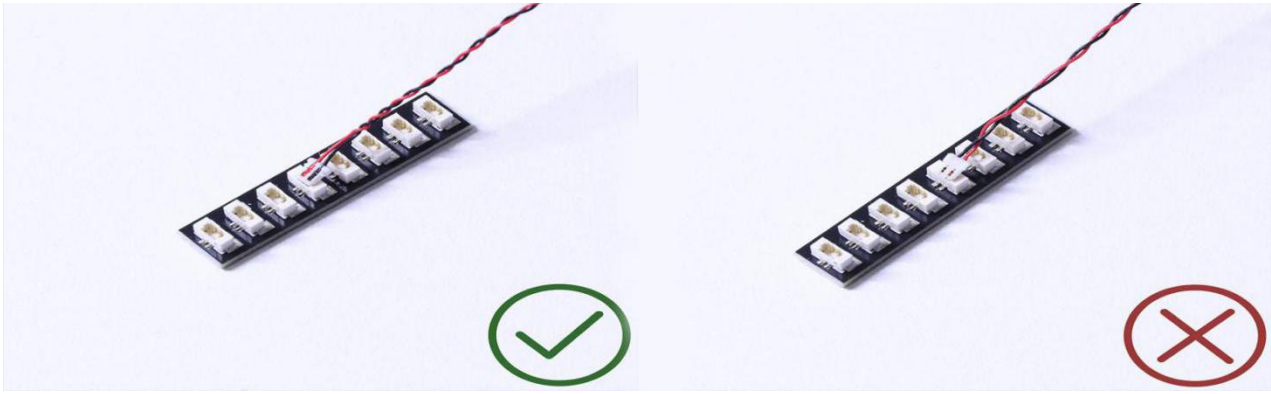
Place wires on the surface or under the LEGO building blocks.

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

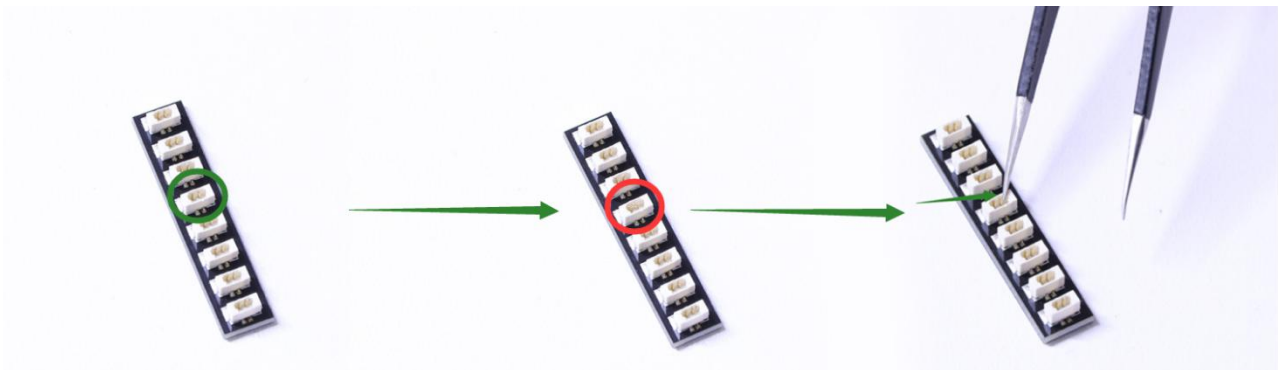


Insert the connectors to the ports.

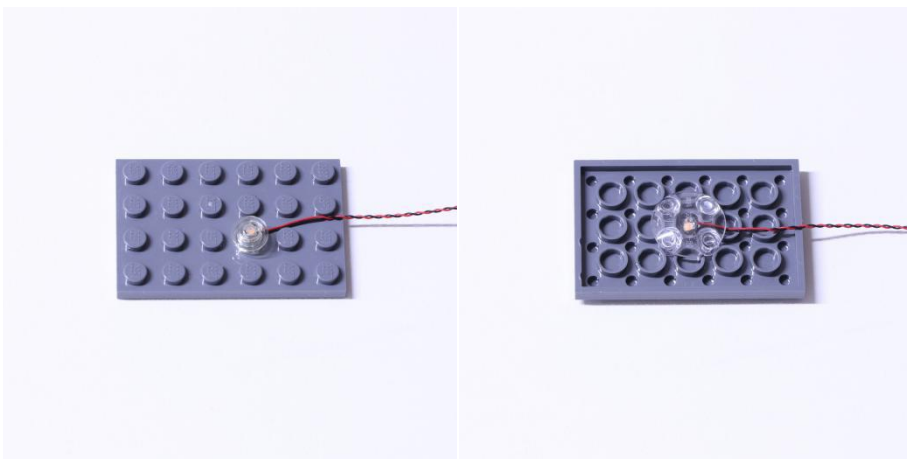
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

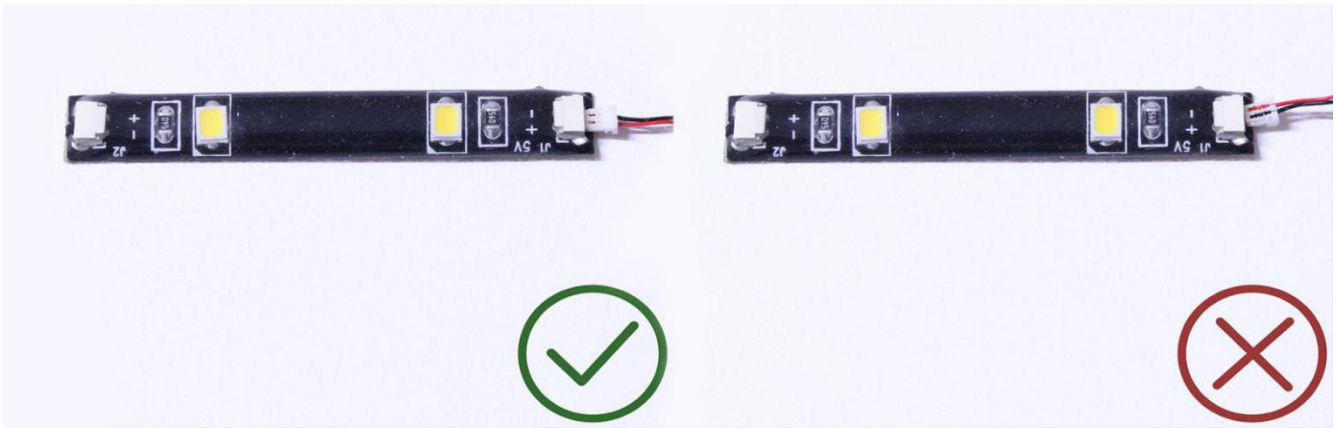


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

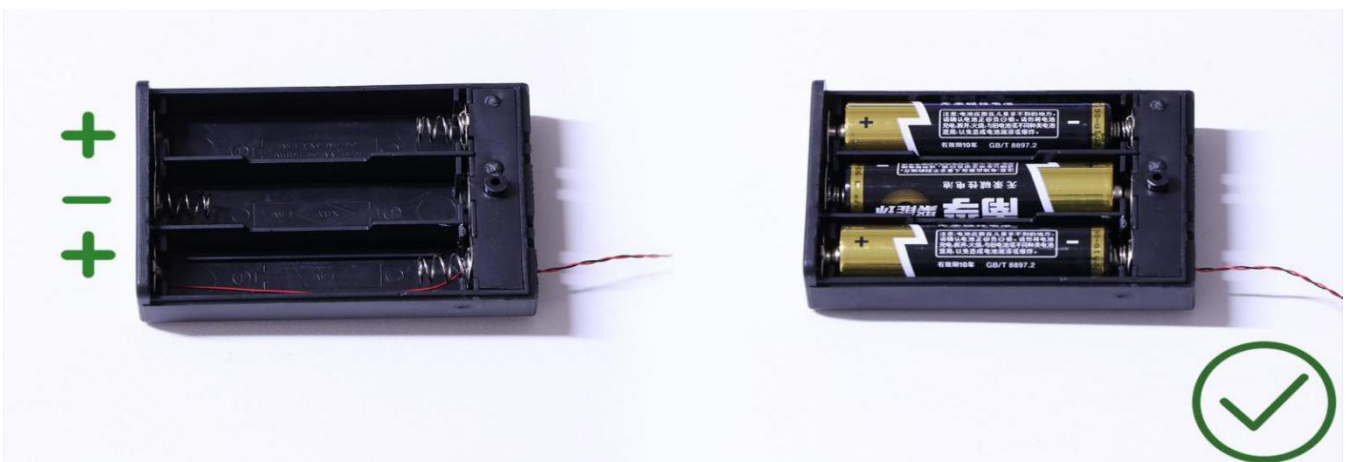


Connecting cable connectors to Strip Lights

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.

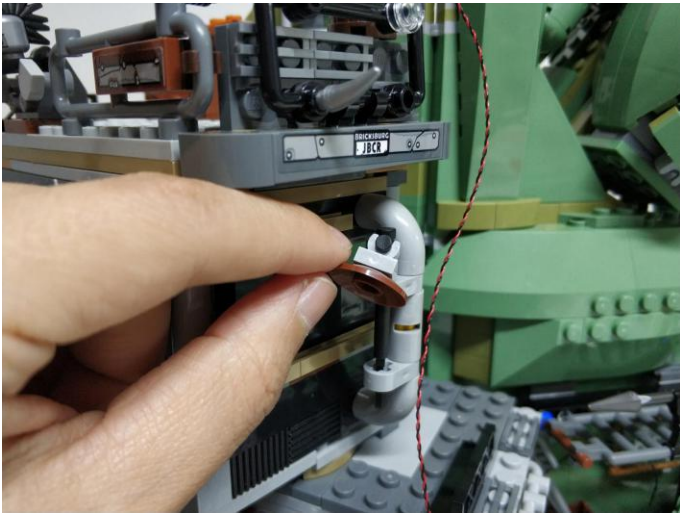


OK, Let's Begin!

Instructions for installing this kit

Start from the left side of the building

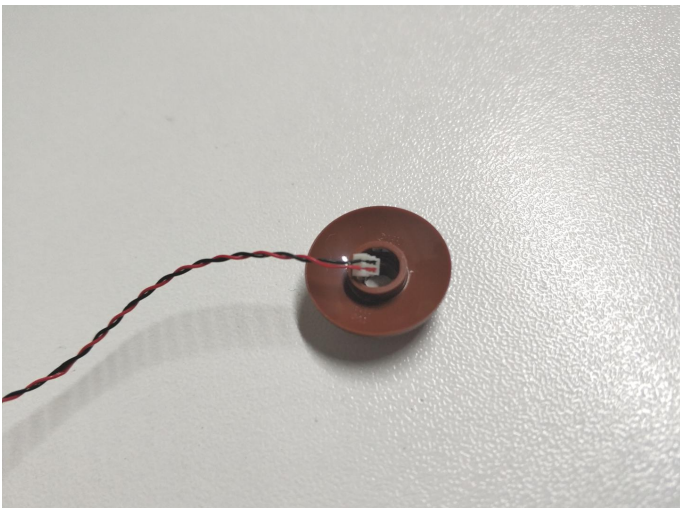
Remove the following brown piece and disassemble it



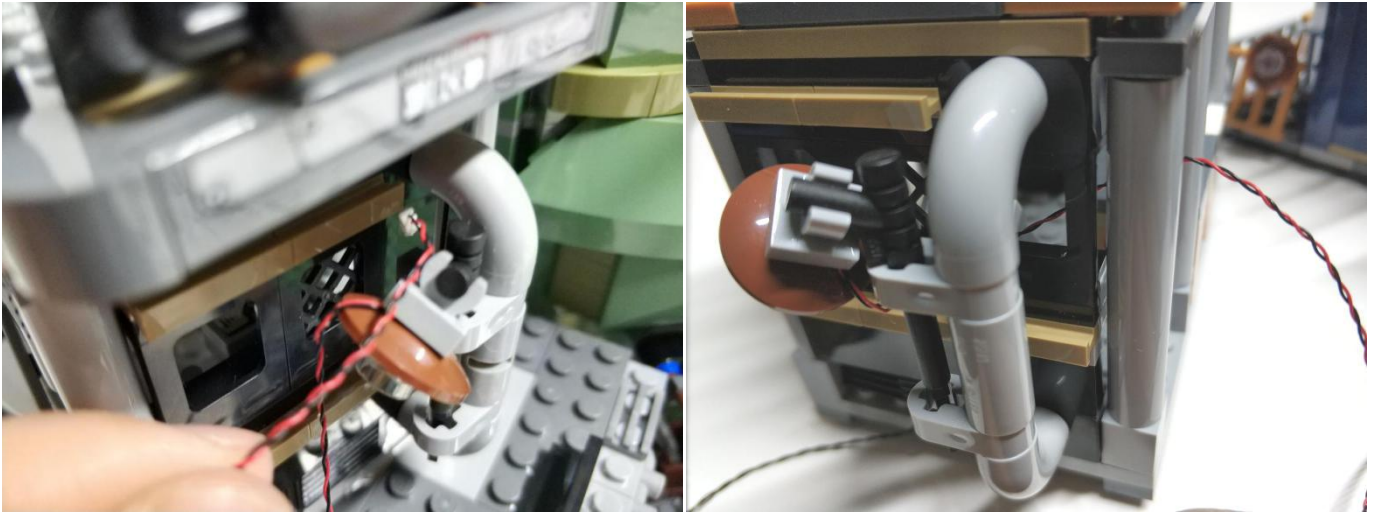
Take a 30cm warm white dot Light, a trans round plate



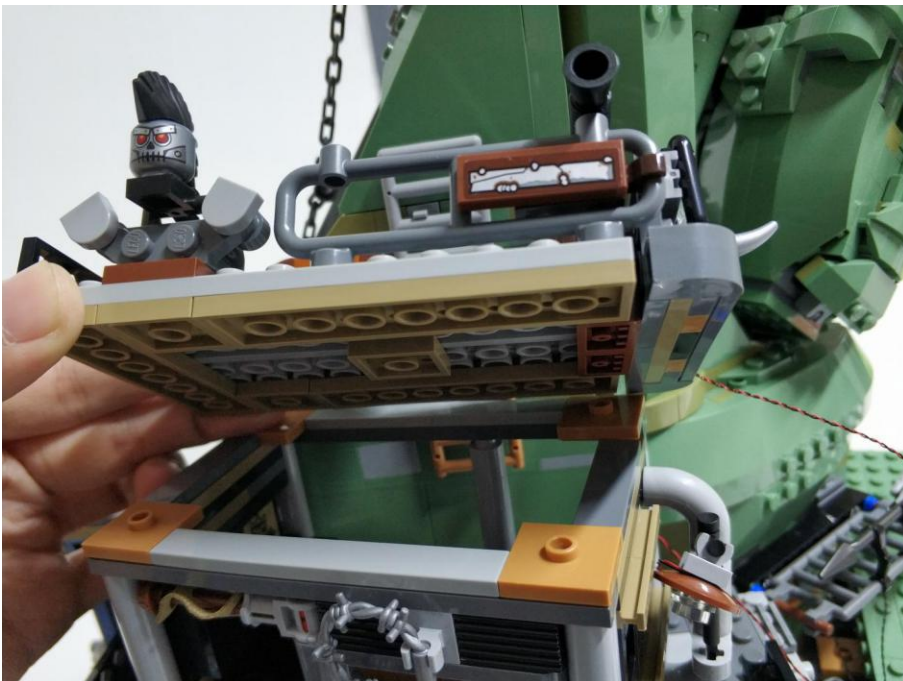
Thread the light through the hole on the plate. With lighting part facing up, secure the light in place before reconnecting the light



Thread its cable through the window into the building

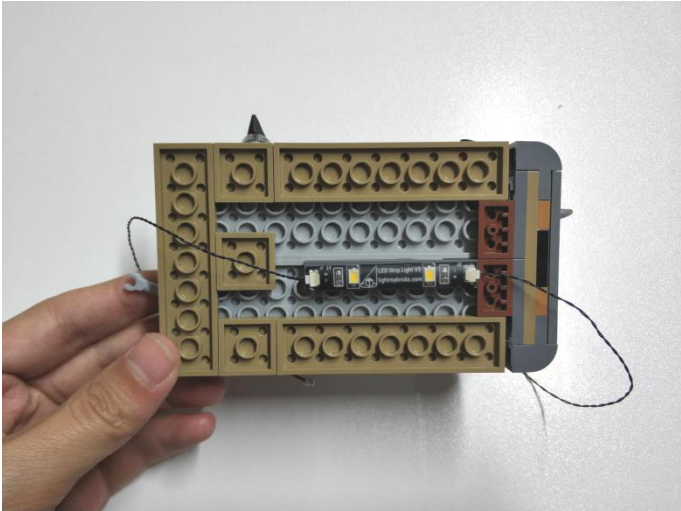


Remove the baseplate from the bottom of the roof

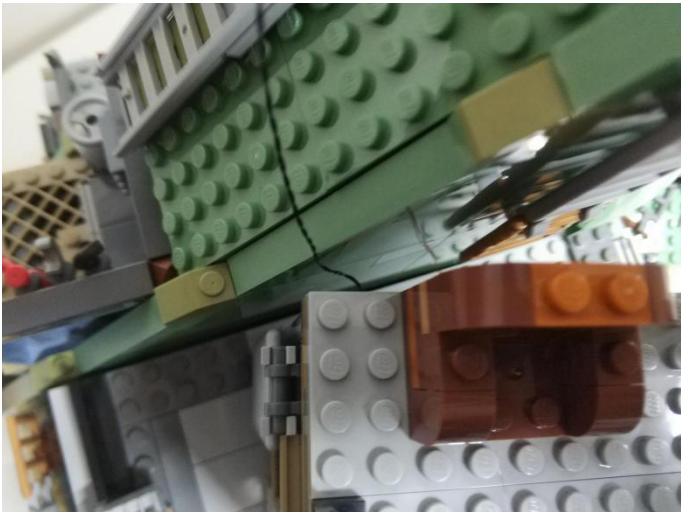


Take a warm white strip light, a 1x6 plate and two 15cm connecting cables. Stick the strip light underneath the plate, connect the 2 cables to its ports

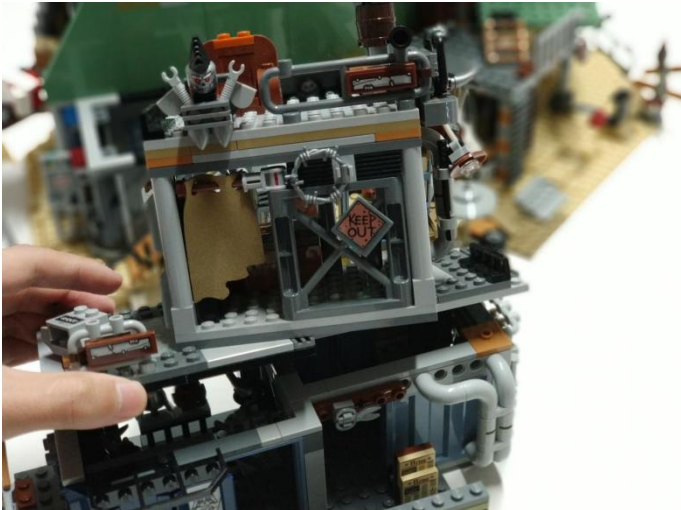




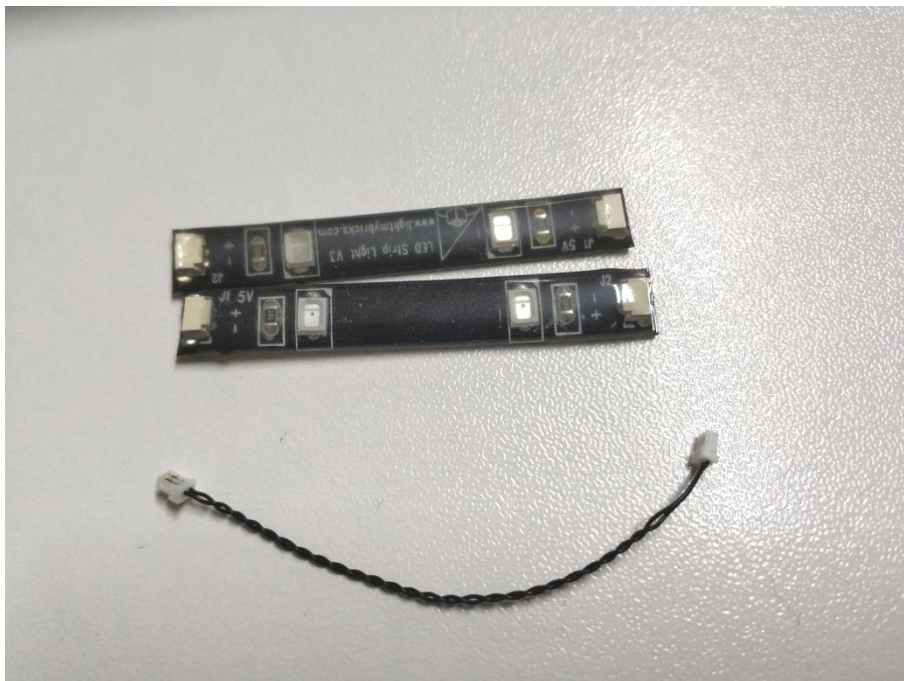
Pull the cable out from the left before reconnecting the roof



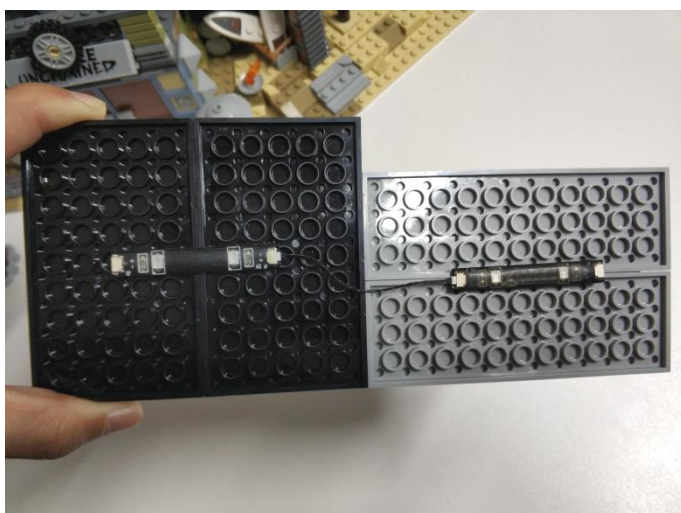
Remove the first floor with the baseplate underneath.



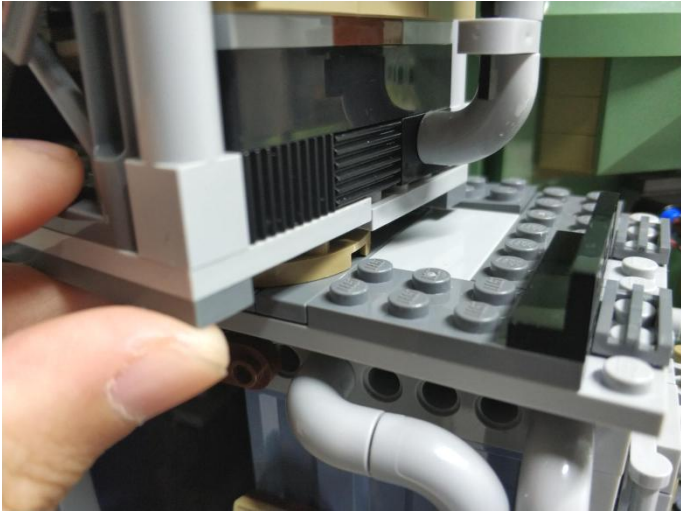
Take a red strip light, a blue strip light, a 5cm connecting cable



Assemble the 2 strip lights together by using the connecting cable. Note: place the red strip light at the left side as per below.

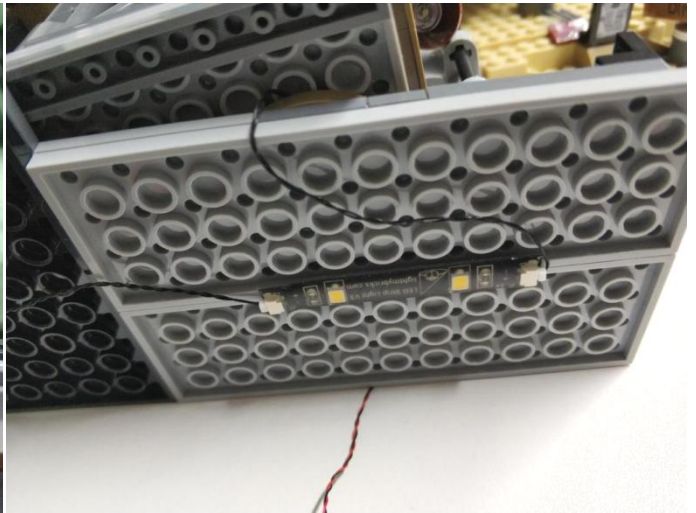


Lift the baseplate above the first floor, pull the cables outside the building



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Secure the 2 cables in between the following 2 plates, pull the cable of the light to the back. Connect the other cable to the right port of the strip light at the second floor



Remove the second floor



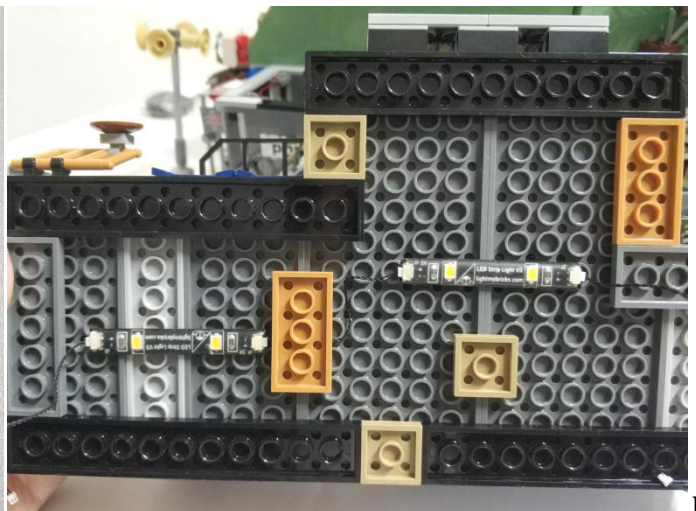
Take 2 warm white strip lights, a 5cm connecting cable



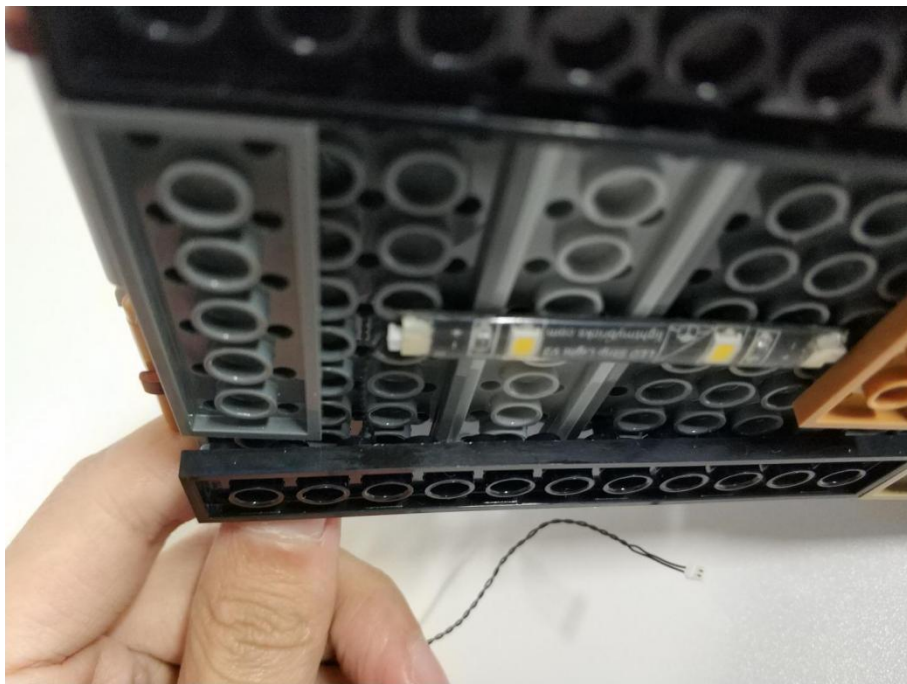
Take two 15cm connecting cables



Assemble them as per below, stick the strip lights to the bottom of the second floor



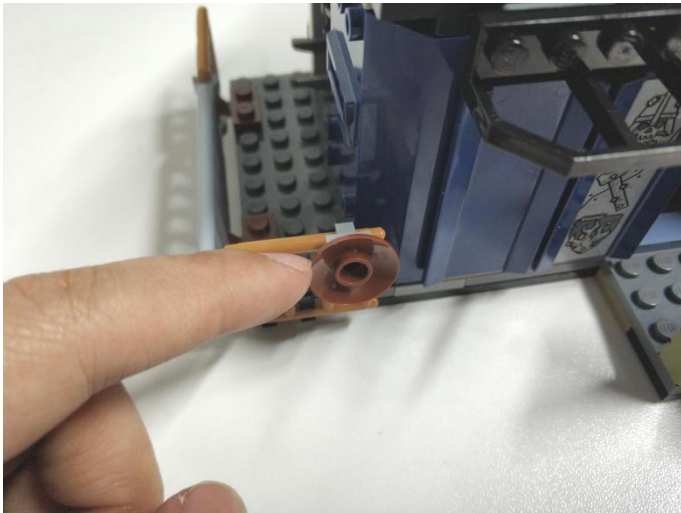
lif
t the black plate at the lower left slightly, thread the connecting cable through the gap, then, reconnect it



Turn to the back of the piece, continue to thread the cable through the technic hole, then, connect it to the left port of the following strip light. Reconnect the 2 floors



Remove the round piece from the left of the second floor

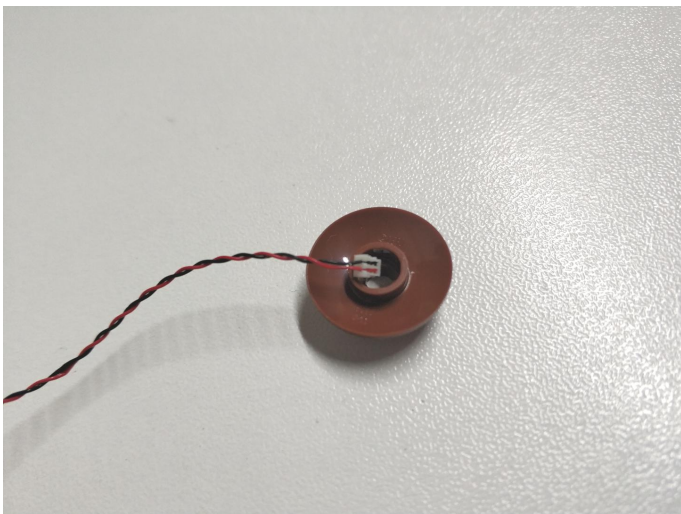


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ke a 15cm warm white dot Light, a 1x1 trans round plate.

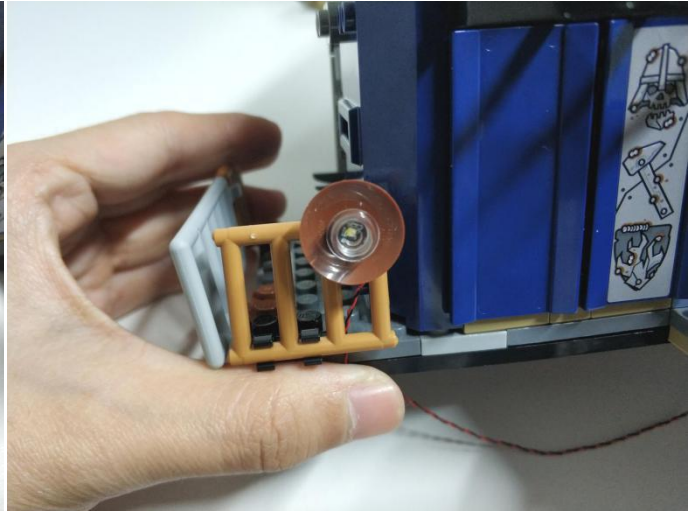
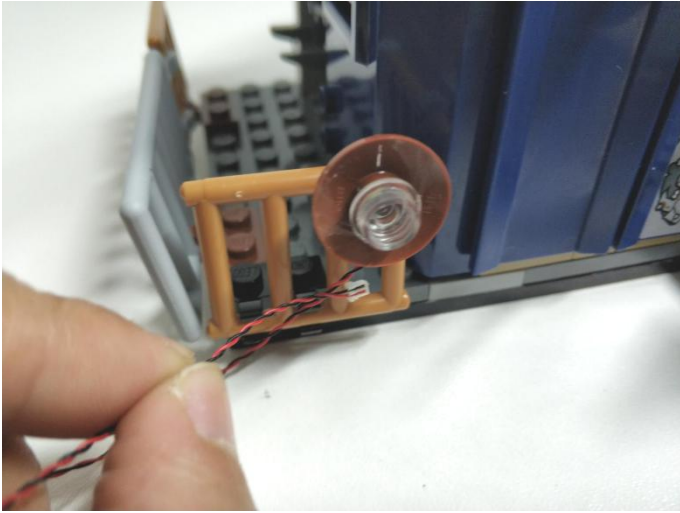


Assemble then together as per below, reconnect the piece with light installed back

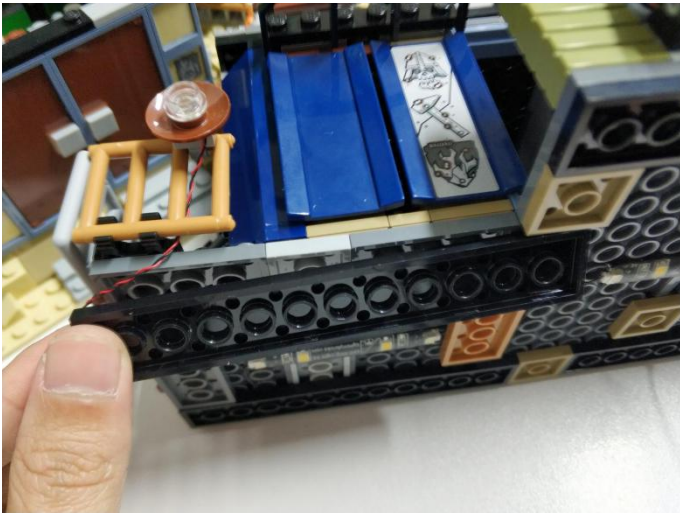


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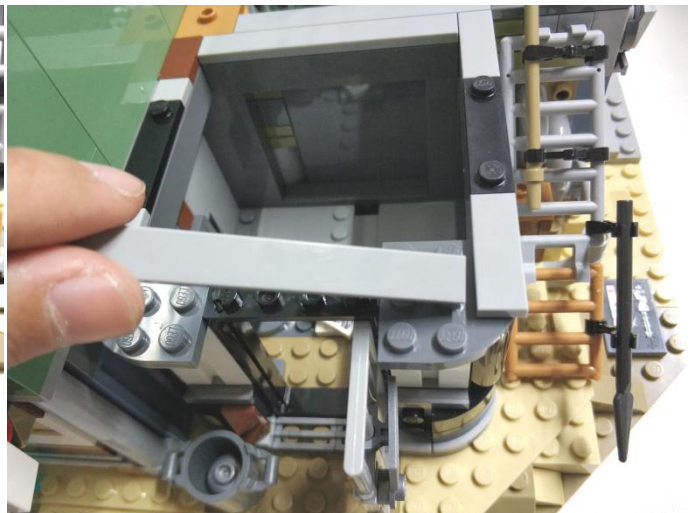
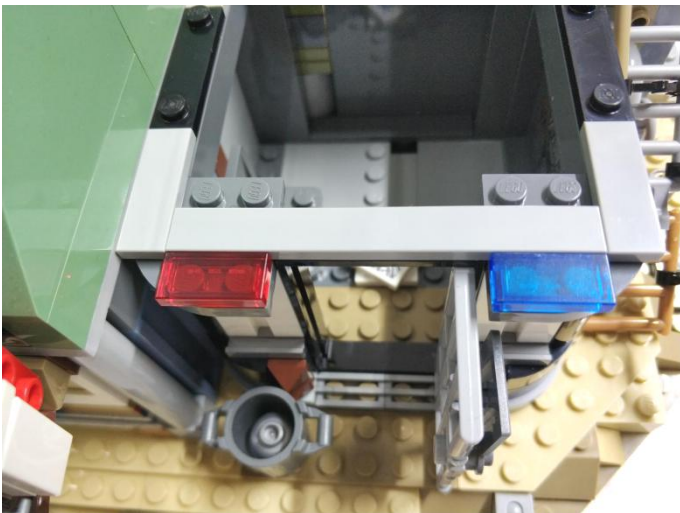
hread the cable through the railing



Remove the black plate, thread the cable through, reconnect it



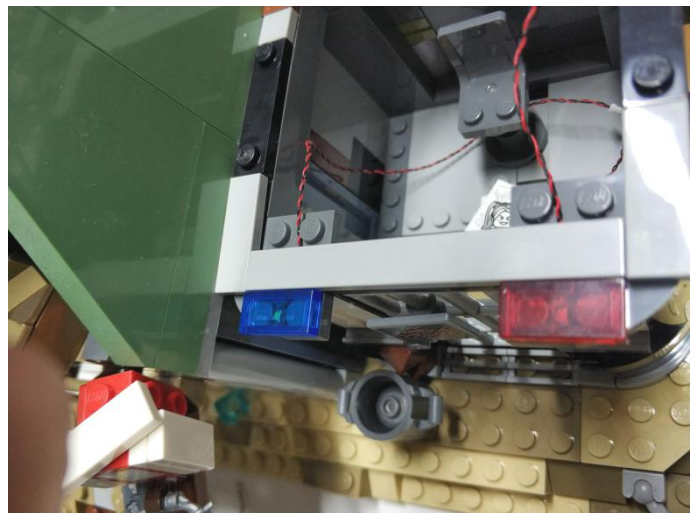
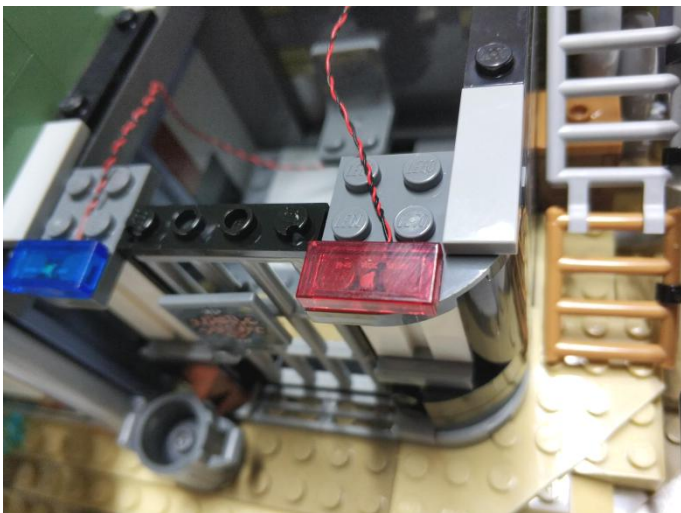
Turn the building to its left, remove the trans red piece, the trans blue piece, and the gray brick



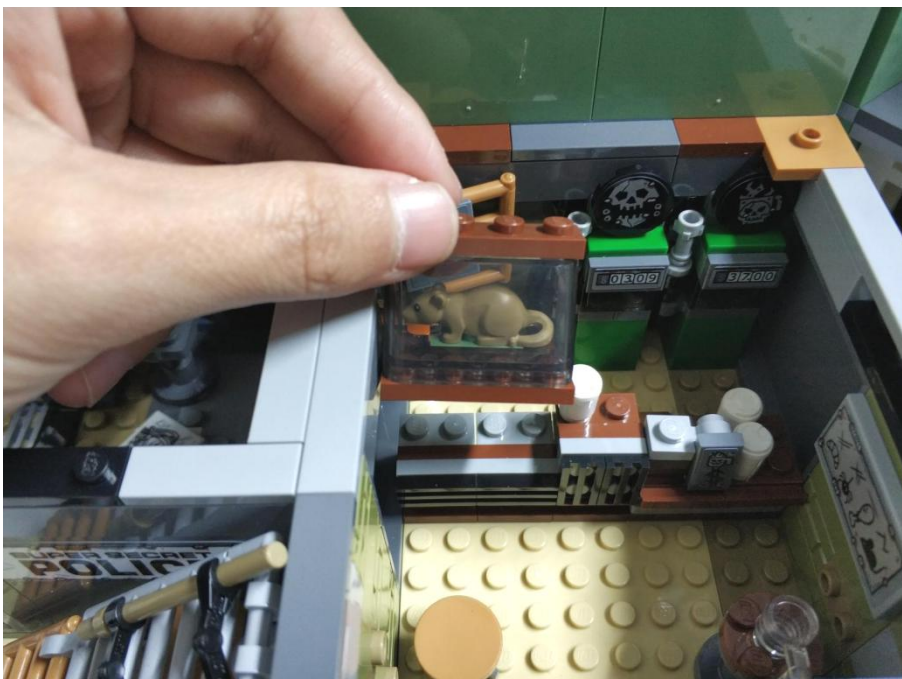
take 2 flashing white 15cm dot Lights.



Place them separately to the position in between studs at both sides, reconnect the pieces



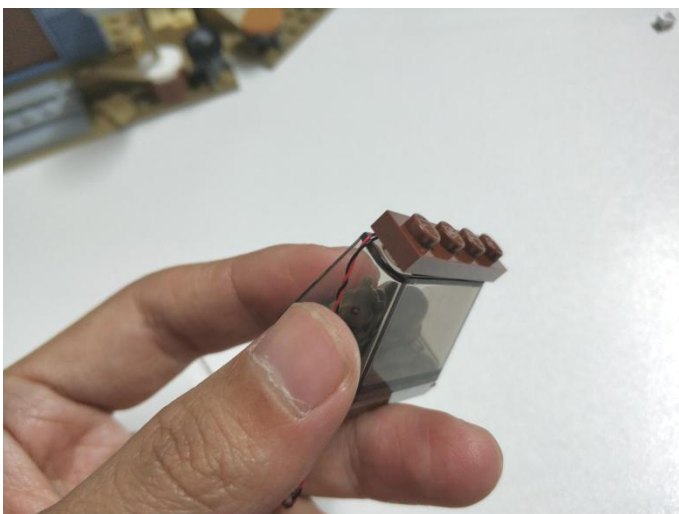
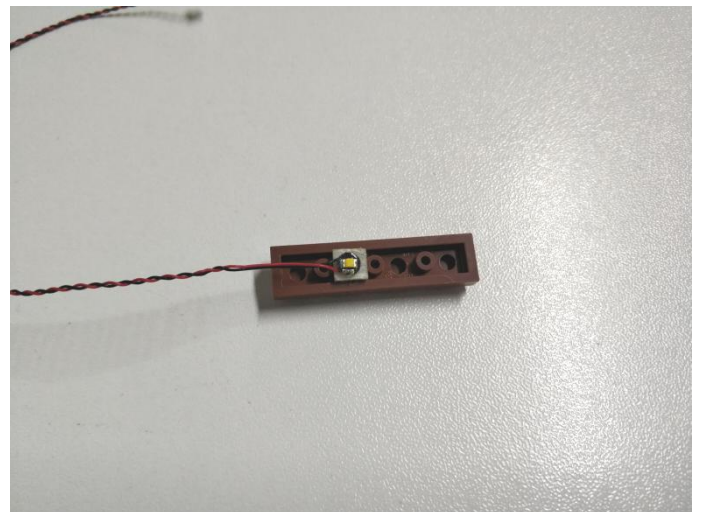
remove the pet box



Take a 15cm warm white dot Light, an adhesive square



Remove the brown plate from the pet box, with lighting part facing up, stick the dot Light to it. Pull the cable to the left. Reconnect all pieces back



Remove and disconnect the signboard.



Take a 15cm Multi Colour Flashing dot Light



Place the cable of the dot Light at the middle of the board, reconnect the board, slightly bend the light





Reconnect the signboard.



Take a 8-port Expansion Board, 2 adhesive squares, a 30cm connecting cable



Connect the 30cm connecting cable to the 8-port Expansion Board, pull the cable to the left. Connect the other cables of the lights to the 8-port Expansion Board



Now, we have installed the first part of the building, reconnect the floors



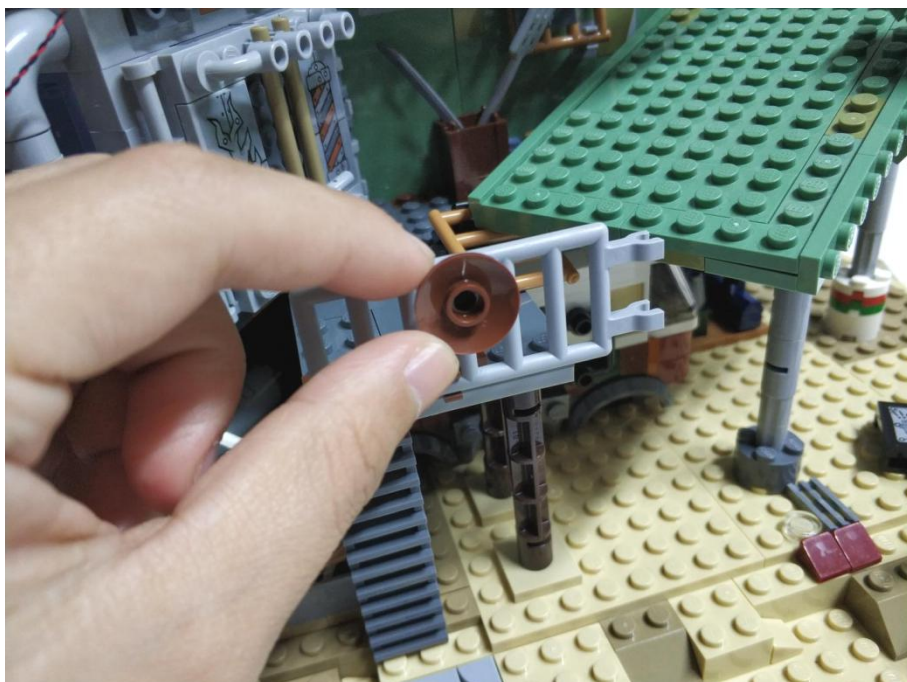
Take the USB cable



Connect it to the power source to check the current



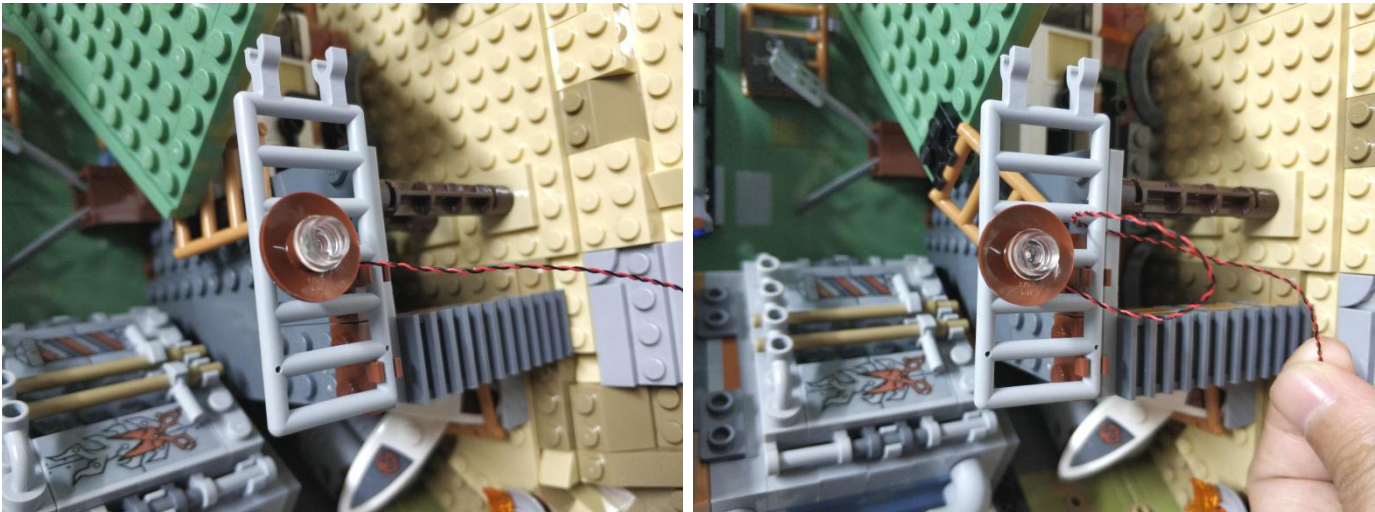
we'll move onto installing the second part of the building. Remove the following round piece



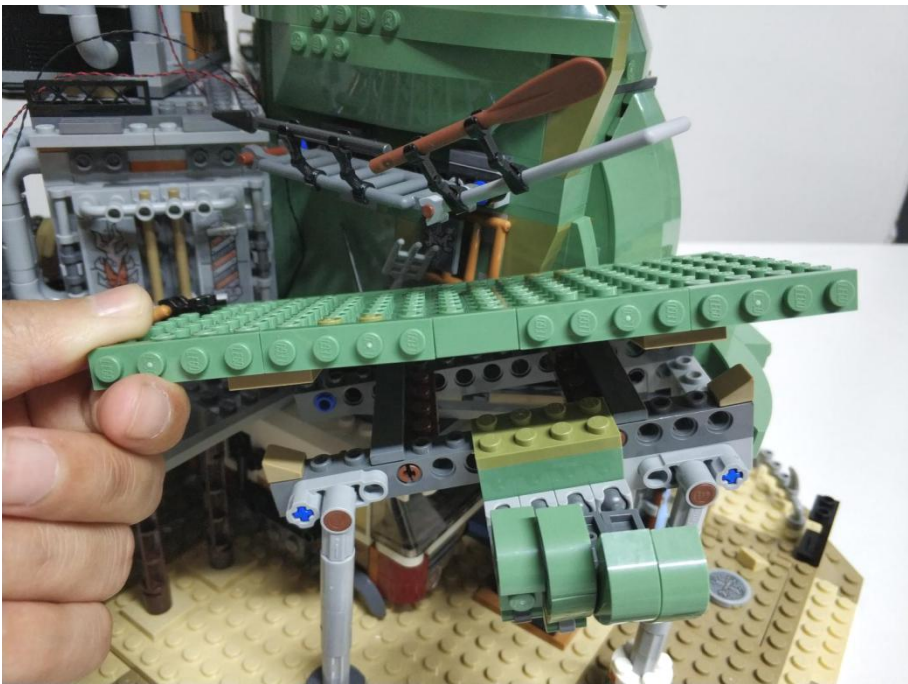
Take a 15cm warm white dot Light, a 1x1 trans round plate



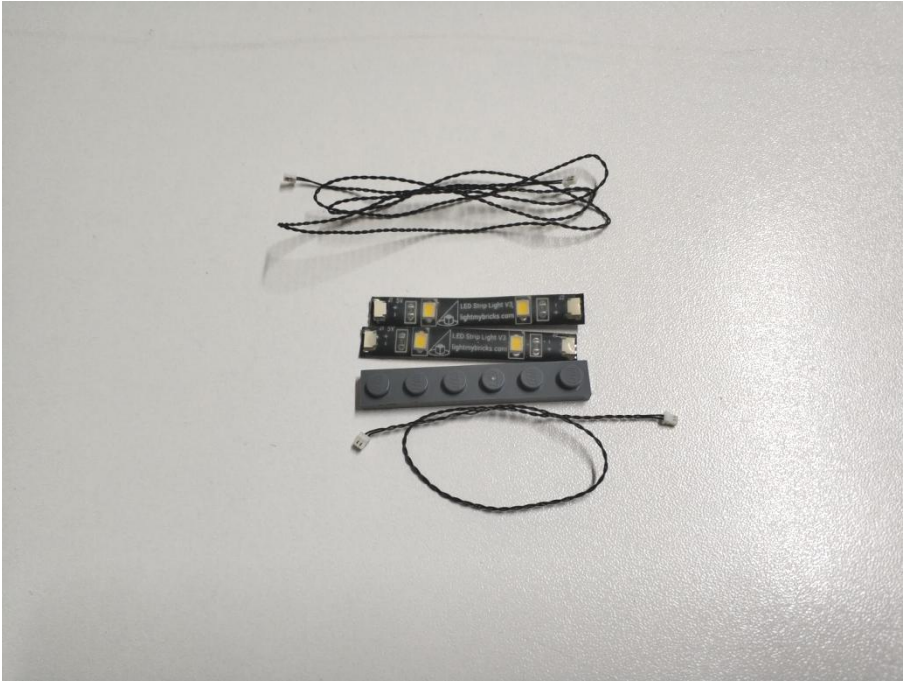
Install the light as we did before, also thread the cable through the railing



remove the green piece as per below



Take 2 warm white strip lights, a 15cm connecting cable, a 50cm connecting cable and a 1x6 plate



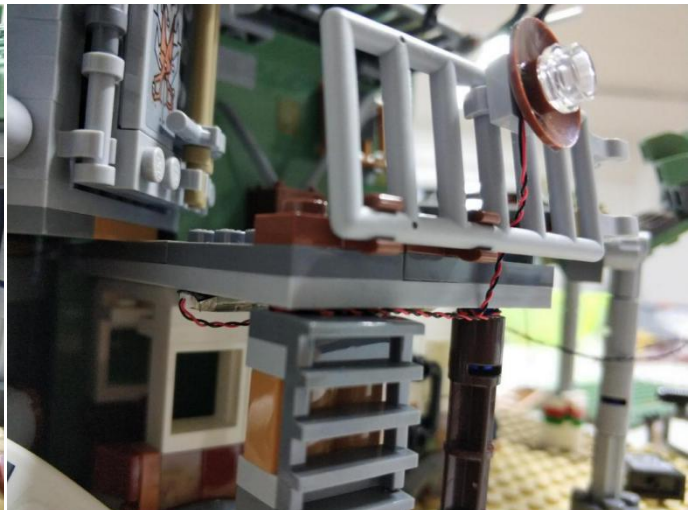
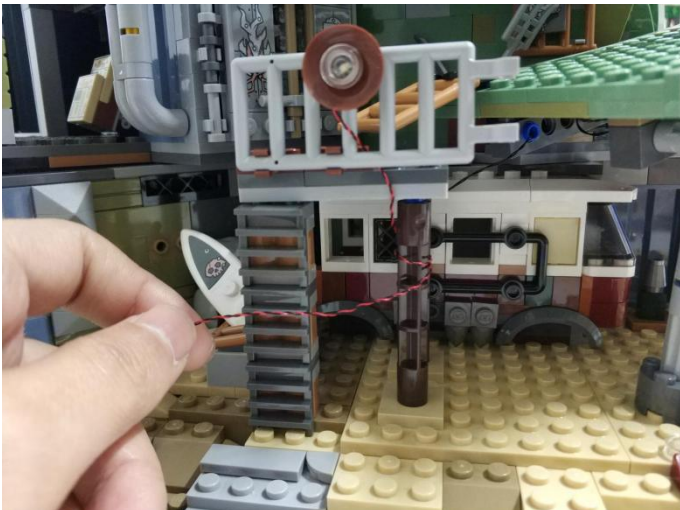
Connect the 15cm connecting cable to one of the strip light, stick the other strip light to the plate



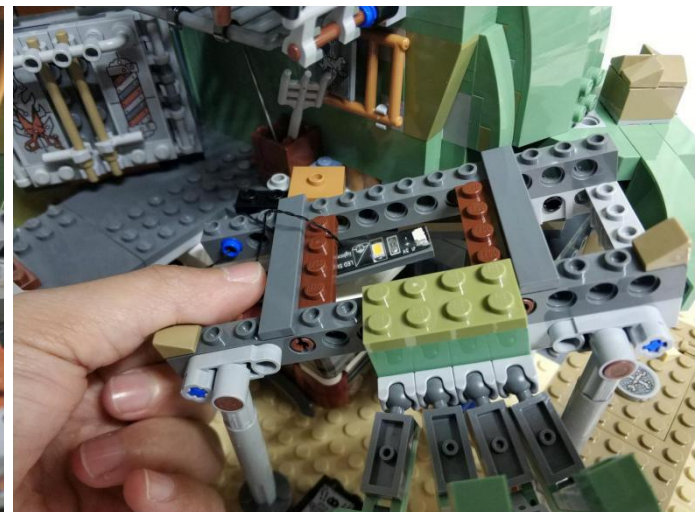
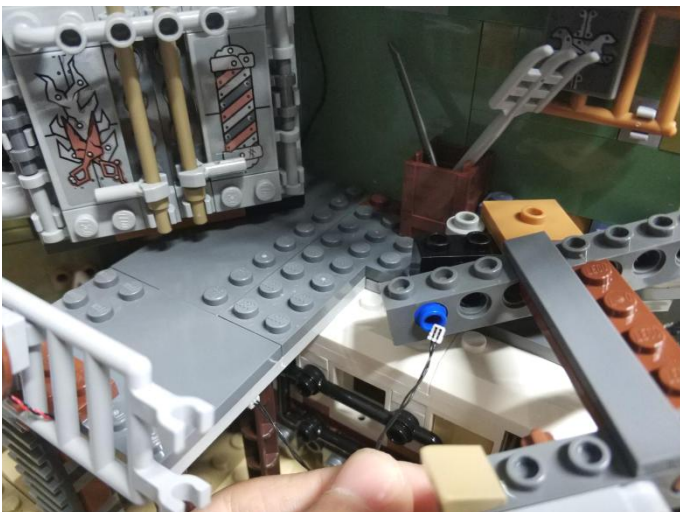
Stick the strip light with 15cm connecting cable to the following gray plate, pull the cable to the right side



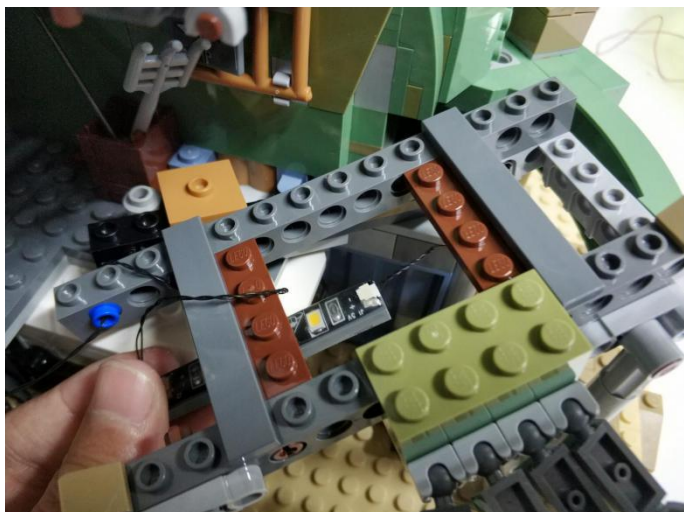
Wind the cable of the light from the railing around the pole, connect it to the left port of the strip light.



Thread the 15cm connecting cable through the technic hole, connect it to the other strip light, tuck it around the plate



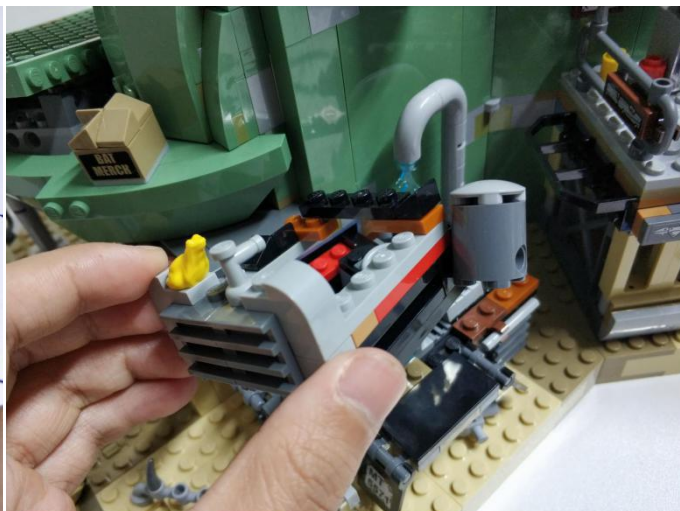
connect the 50cm connecting cable to the right port of the strip light, with lighting part facing down, connect the plate to the brown plate underneath



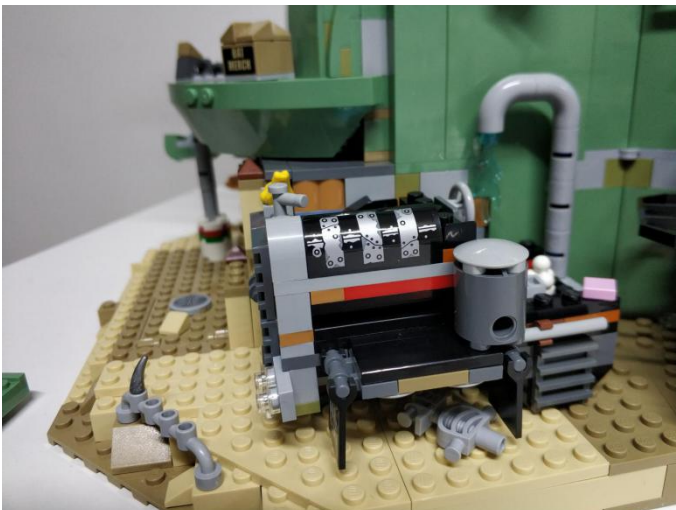
Reconnect the green plate



Pull the 50cm connecting cable to the back of the building, remove the sink



Place the cable as per below, reconnect the sink



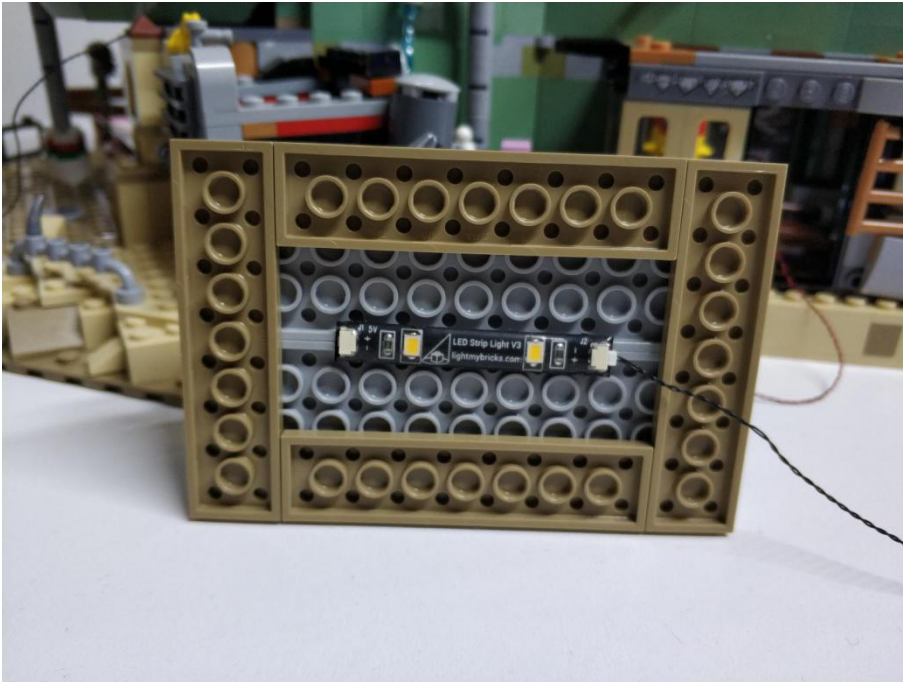
Remove the roof from the house at the right side



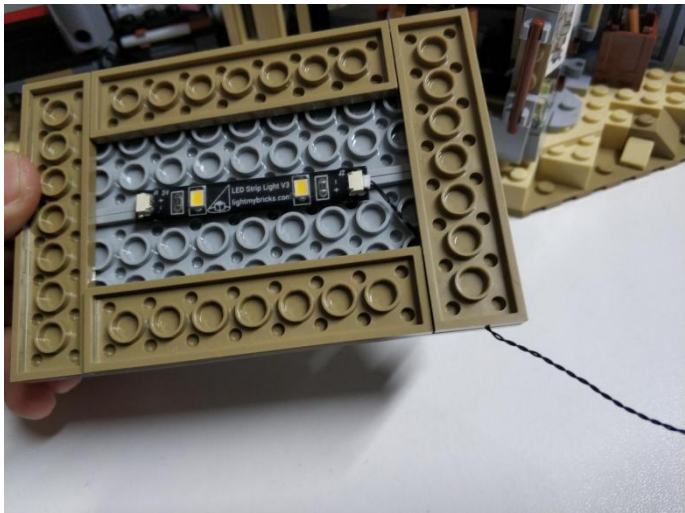
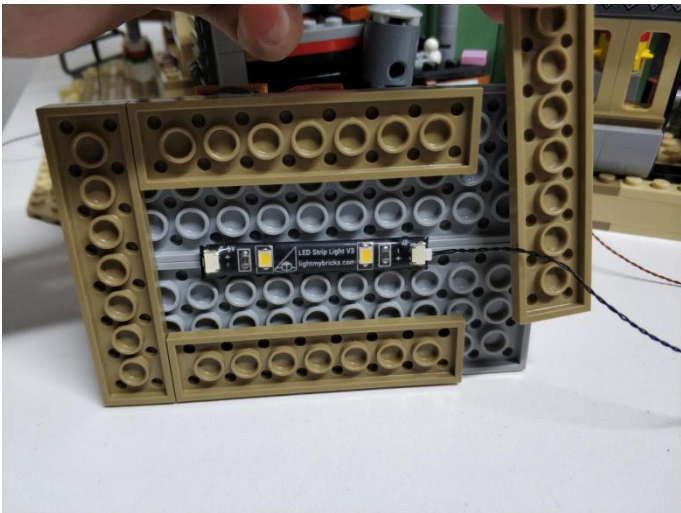
Take 2 warm white strip lights, a 15cm connecting cable, a trans round plate



Stick a strip light to the following gray plate, connect the connecting cable to its right port

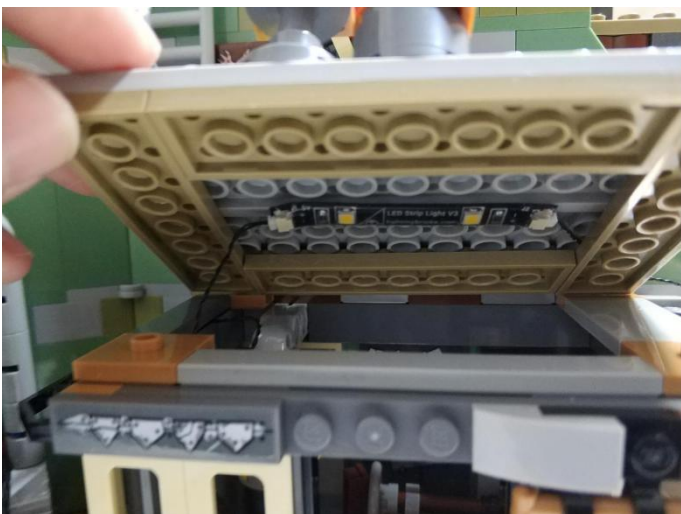


Remove the yellow plate at the right side, place the cable underneath, reconnect the plate, pull the cable out from the right

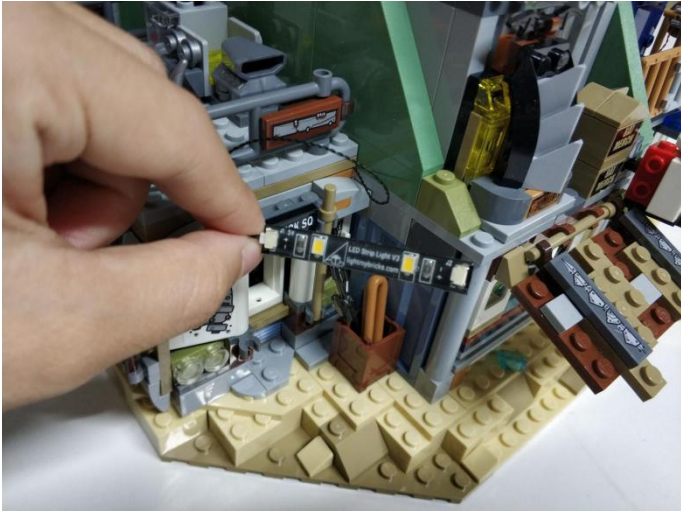


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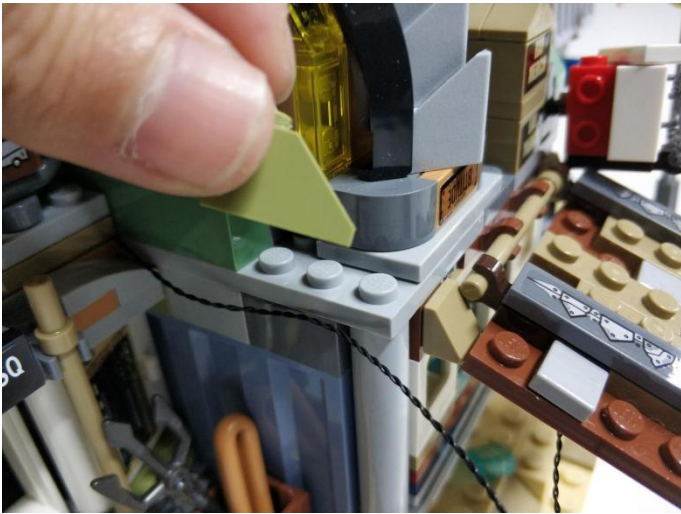
connect the 50cm connecting cable to the left port of the strip at the roof, reconnect the roof



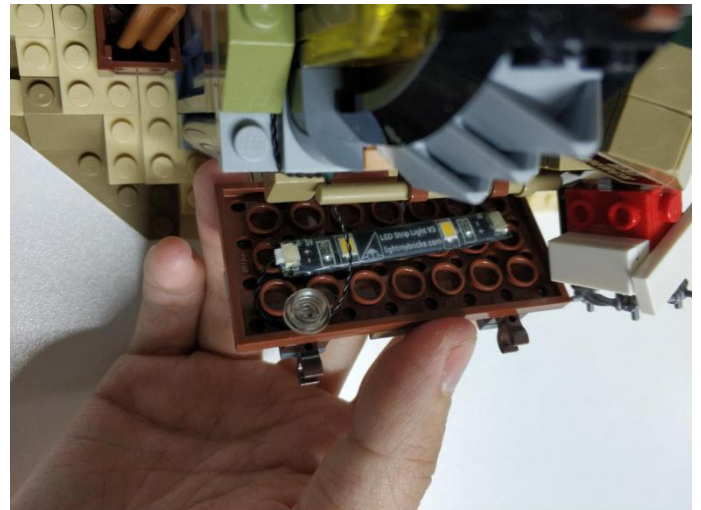
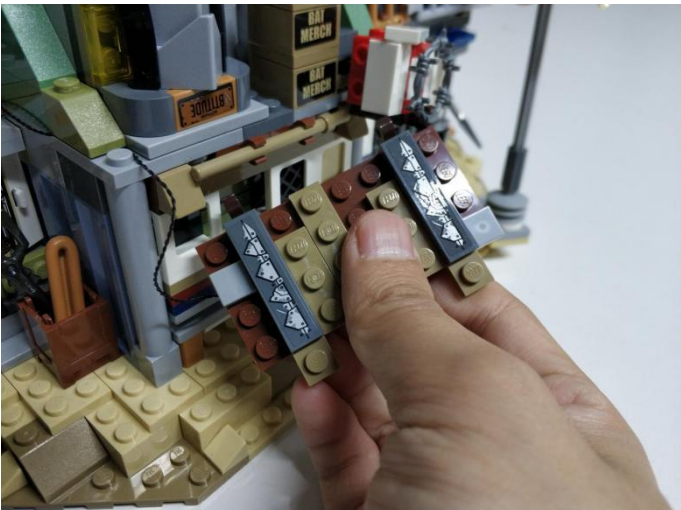
Connect the 15cm connecting cable to the left port of the other strip , stick the strip under the eaves



Remove the green piece to help us to place the cable

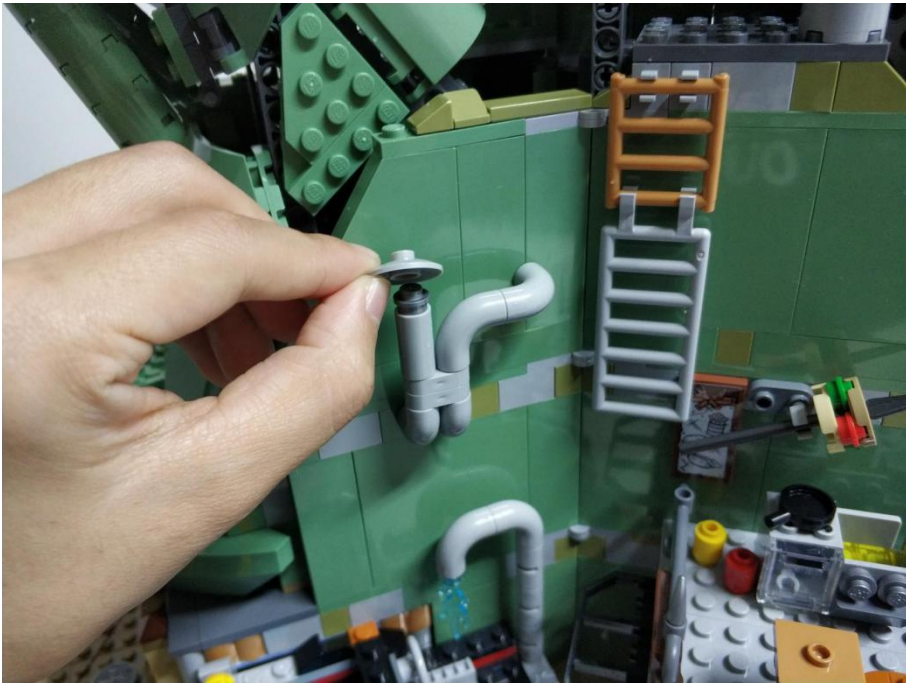


reconnect the green piece, disconnect the eaves, secure the light with a 1x1 trans round plate, reconnect all pieces





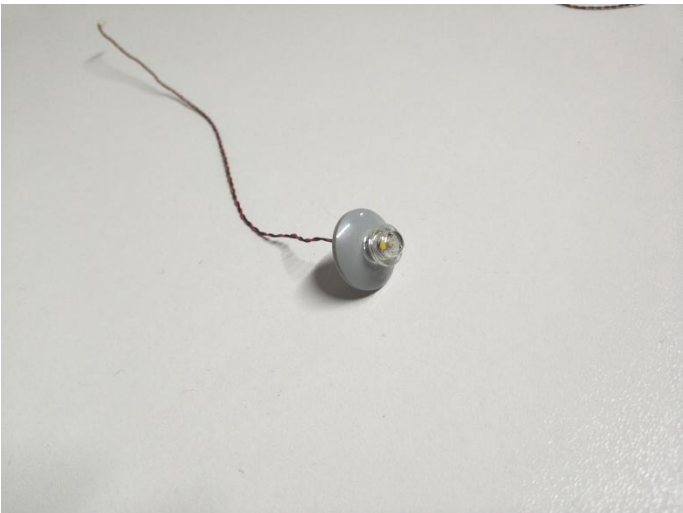
Remove the gray round plate



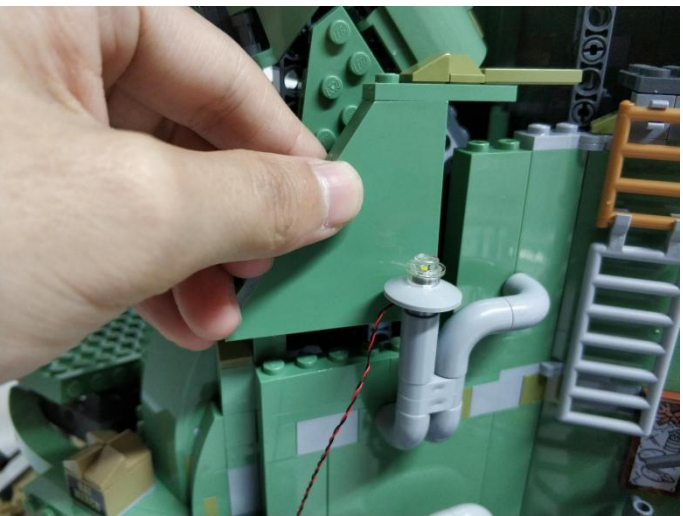
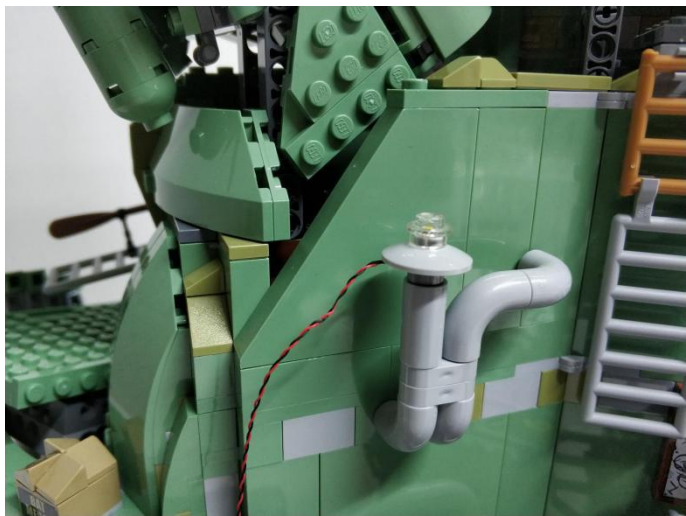
Take a 15cm warm white dot Light, a 1x1 trans round plate



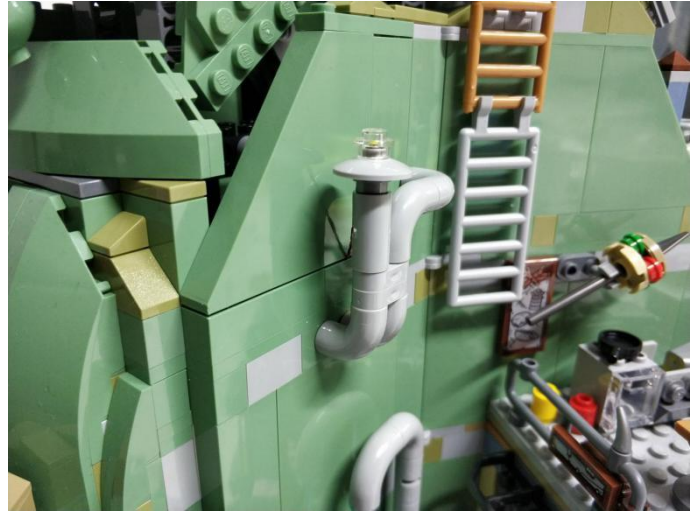
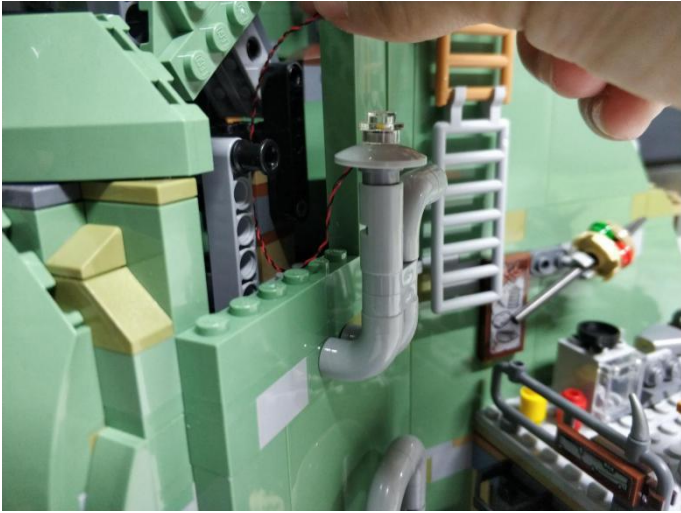
With lighting part facing up, thread the dot Light through the hole on the plate, secure it with the trans round plate



reconnect the round plate, remove the following pieces



pull the cable of the light to the back, reconnect the green piece



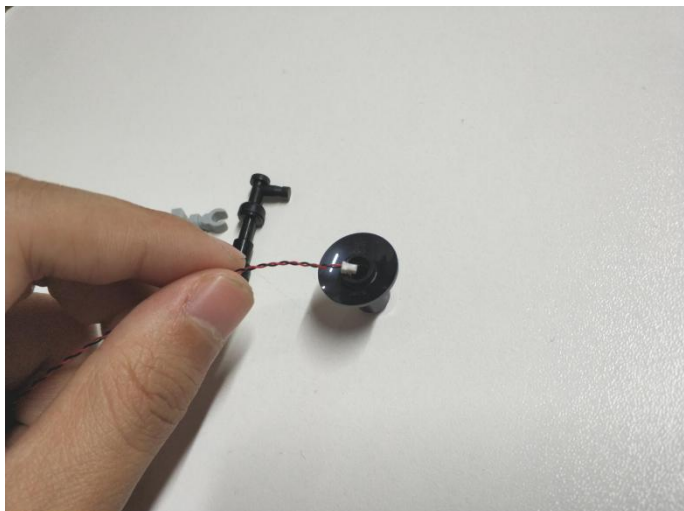
remove the black piece and the gray piece, disassemble them as per below



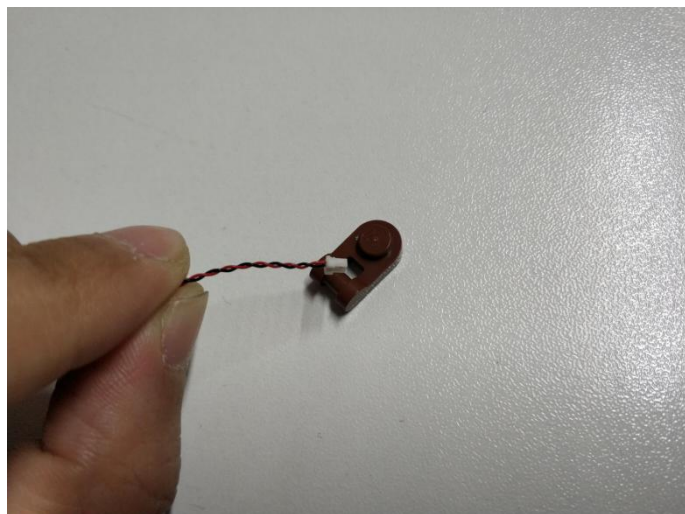
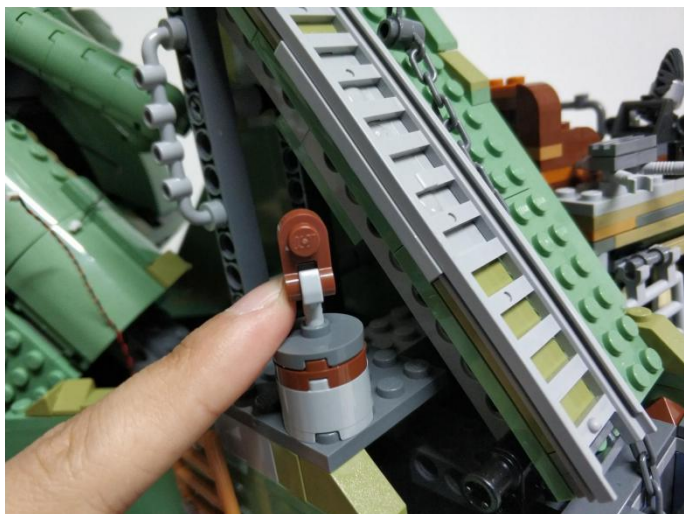
Take a 15cm warm white dot Light, a 1x1 trans round plate



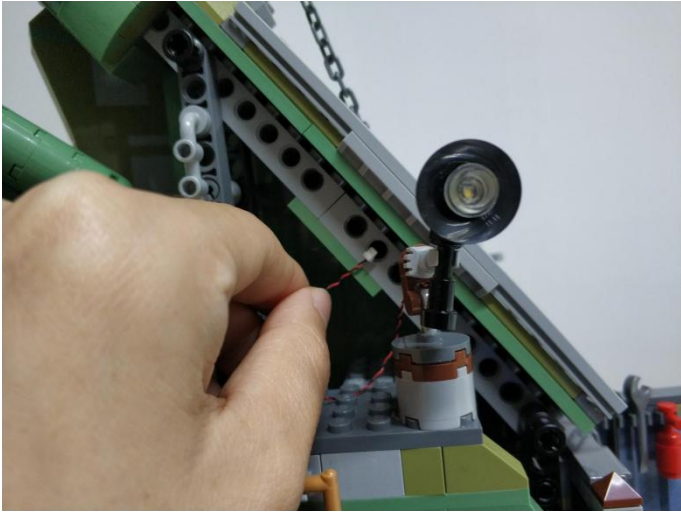
With lighting part facing up, thread the dot Light through the hole on the black piece, reconnect the black piece, secure the light with the trans round plate



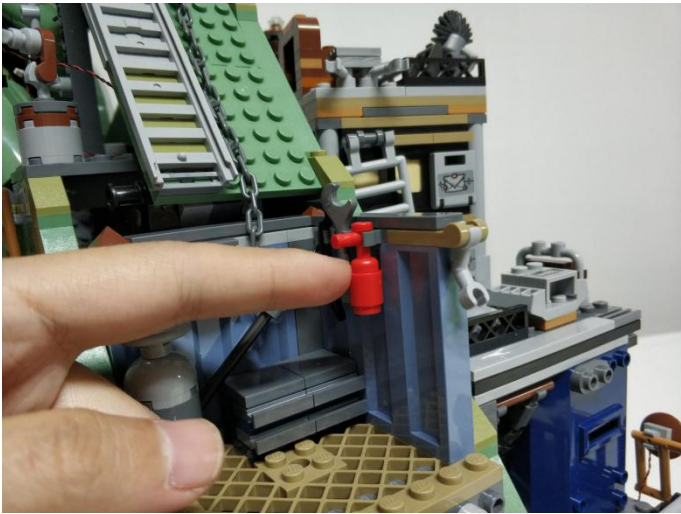
remove the following brown piece, thread the dot Light through the following gap, reconnect the piece



Reconnect the piece, thread the cable through the technic hole



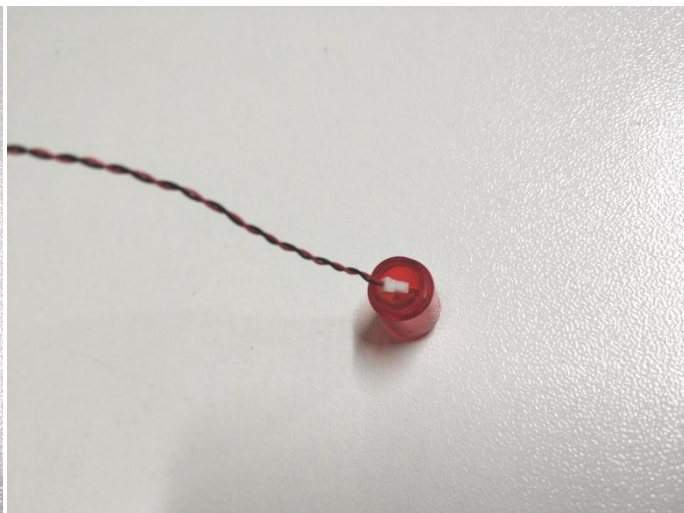
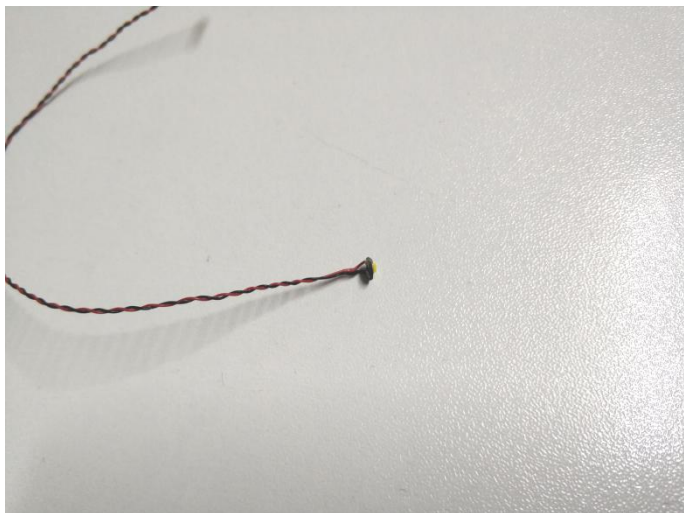
remove the following red piece, disconnect it



take a 15cm warm white dot Light, a 1x1 red trans piece, replace the red piece with the 1x1 red trans piece



Slightly bend the dot Light, thread it through the hole on the trans red piece



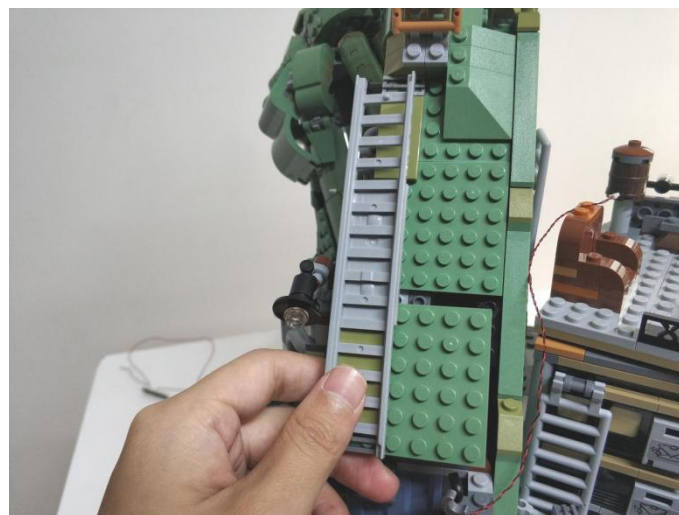
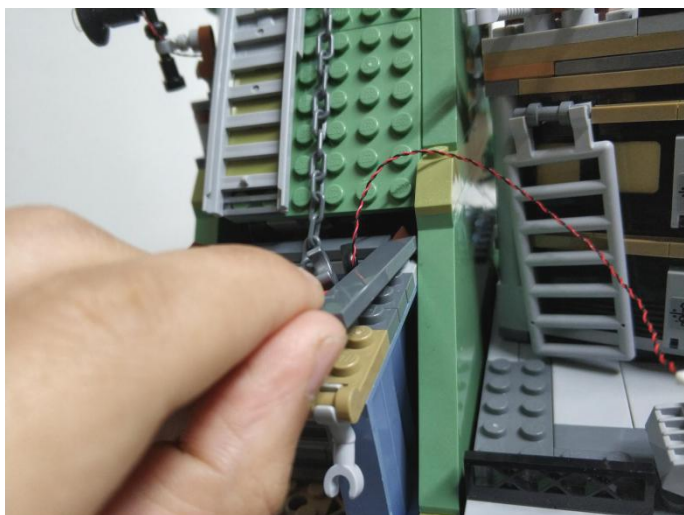
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With lighting part facing down, reconnect the piece



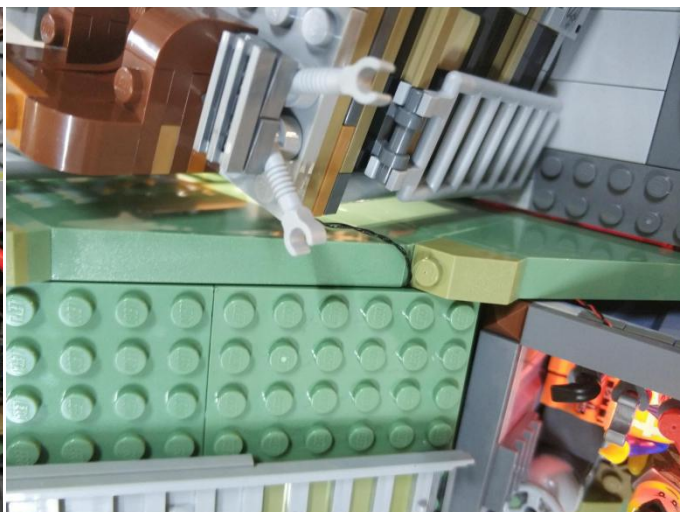
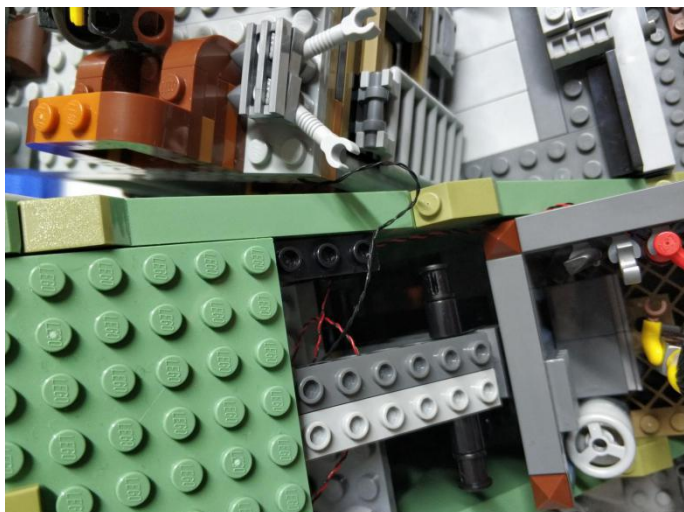
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Remove the gray plate, the stairs, and the green piece under it from the back of the red piece

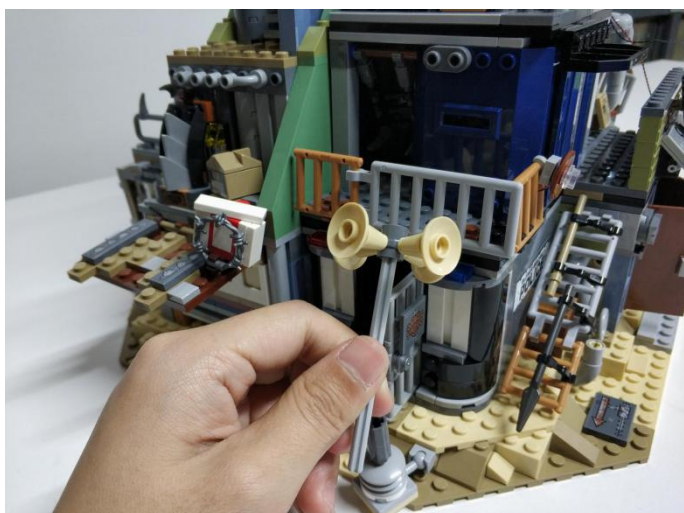


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Thread the cable of the light and the cable from the first floor through the following gap, reconnect the pieces



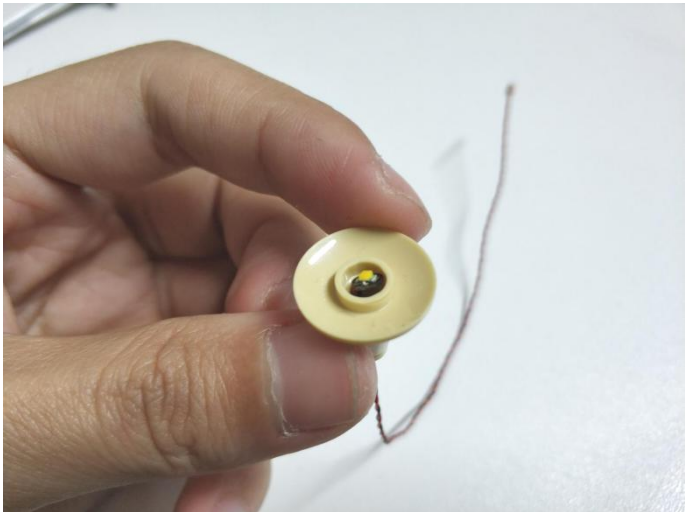
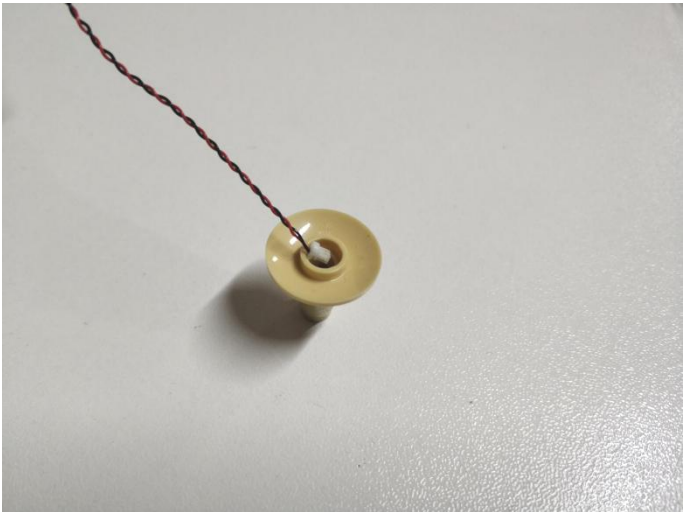
Remove the following pieces, disassemble them as per below



Take 4 warm white 15cm dot Lights



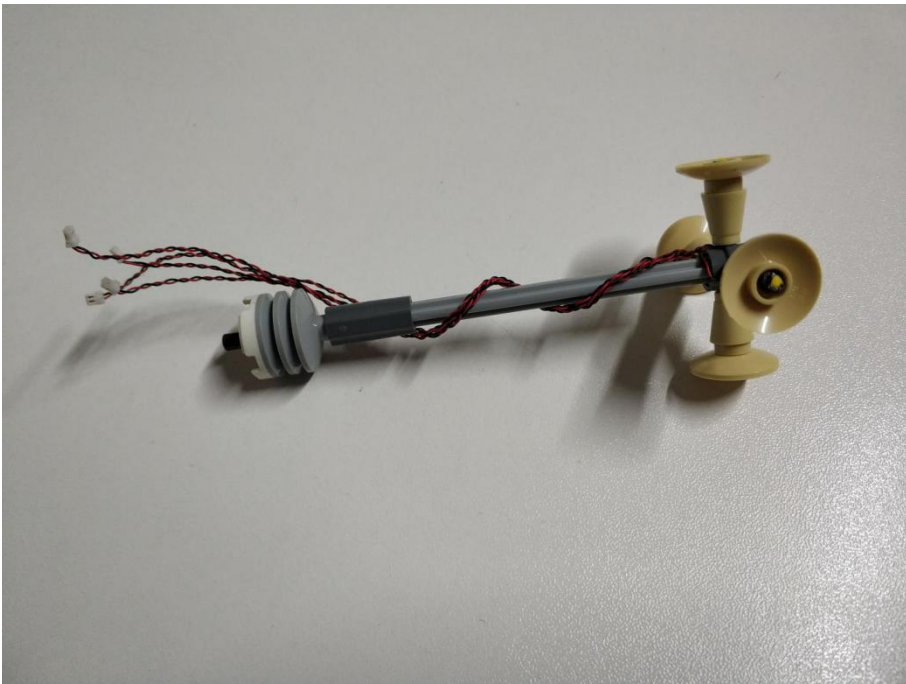
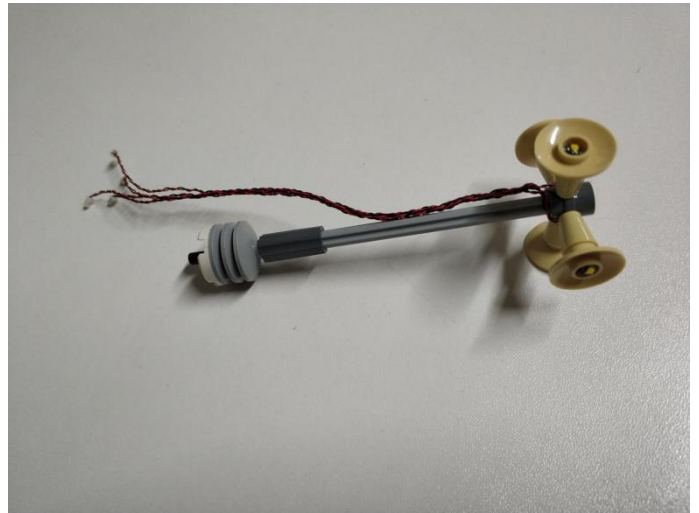
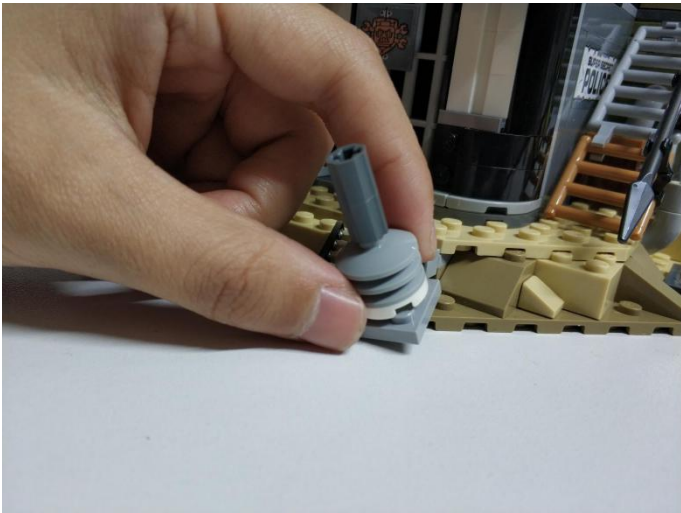
Take a dot Light, with lighting part facing up, thread it through the hole on the round plate



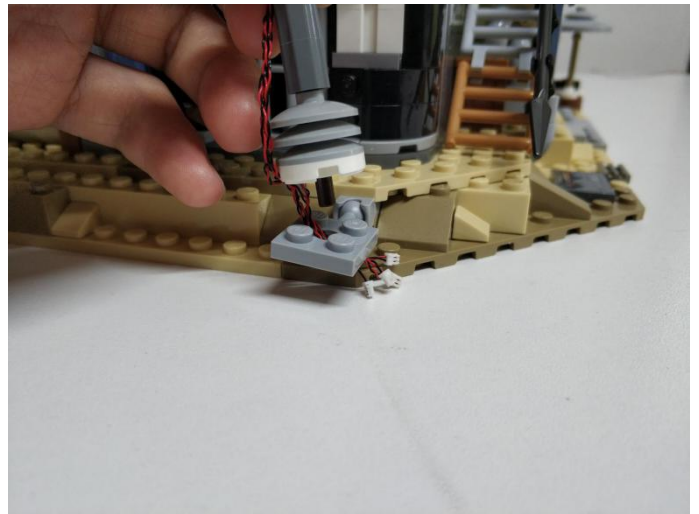
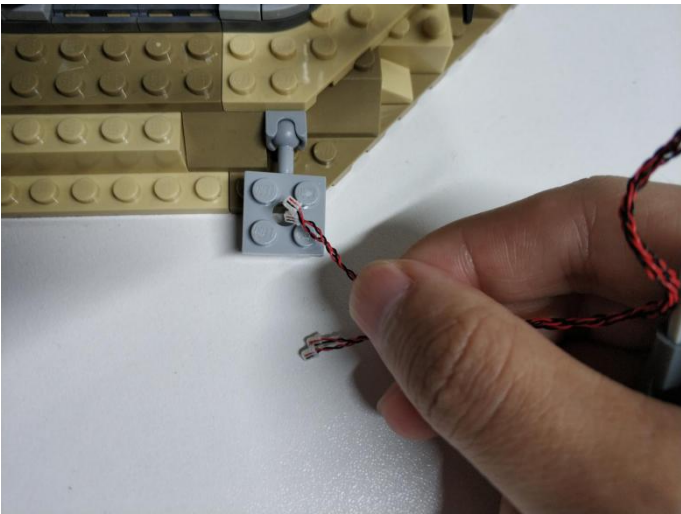
reconnect the round piece with light installed back, repeat the previous steps to install the other 3 dot Lights, group all cables together

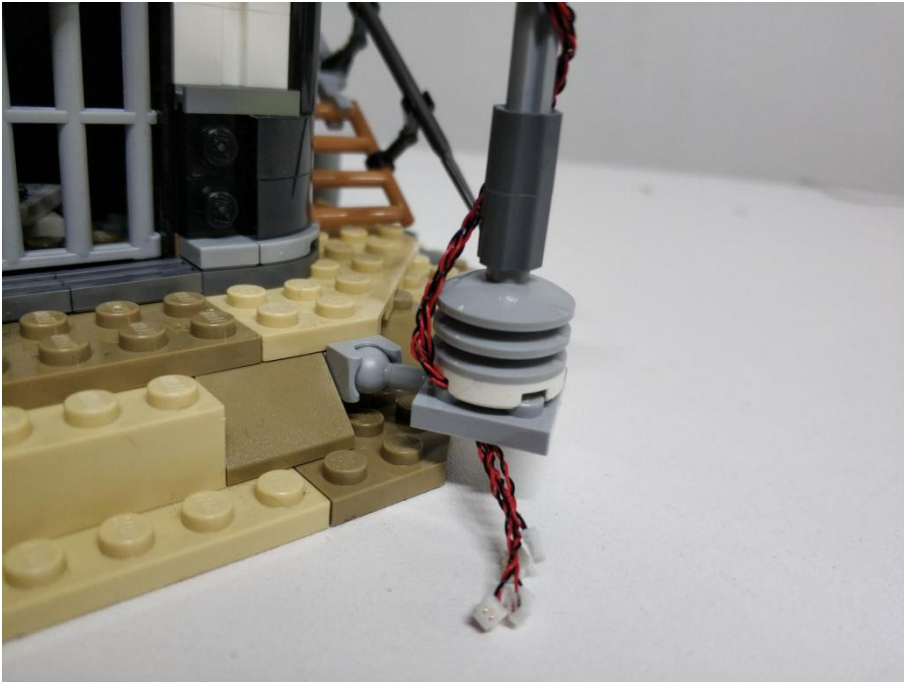


remove the gray round plate, reconnect it, wind the cables around the pole

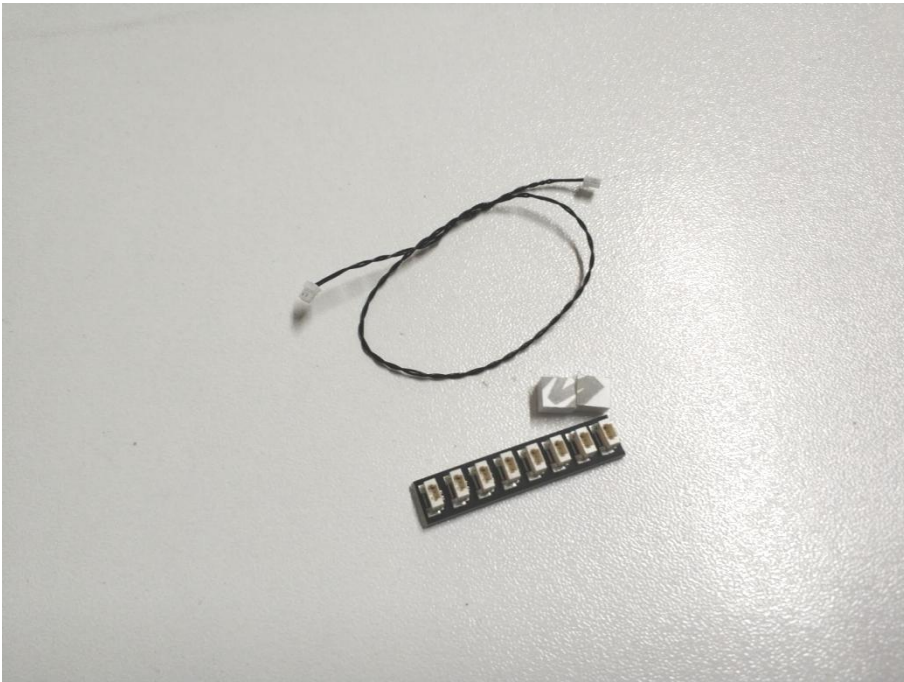


Thread the cables through the following gray piece, reconnect the piece back

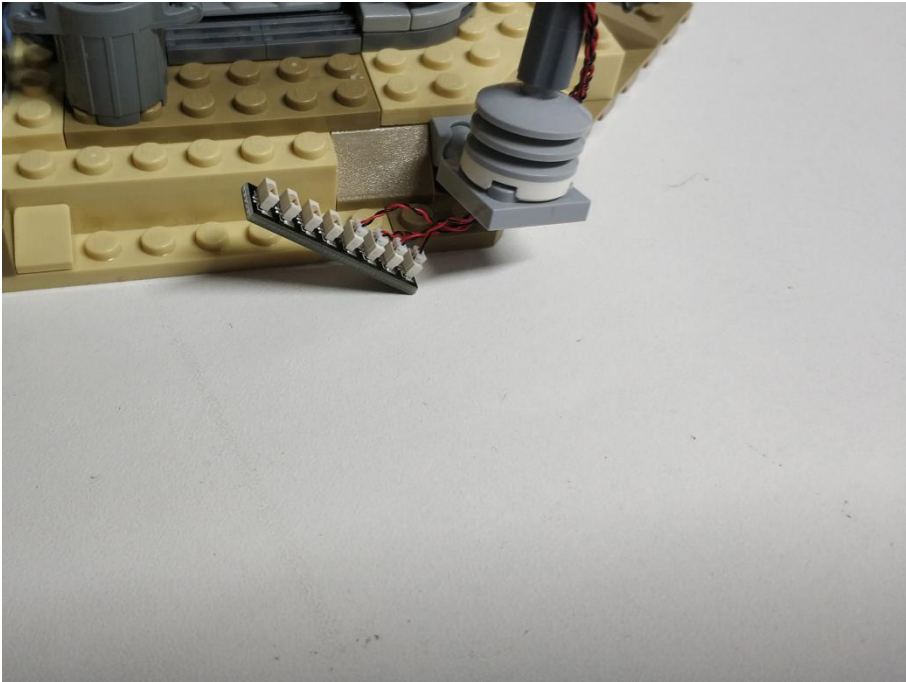




Take a 8-port Expansion Board, a 15cm connecting cable, 2 adhesive squares



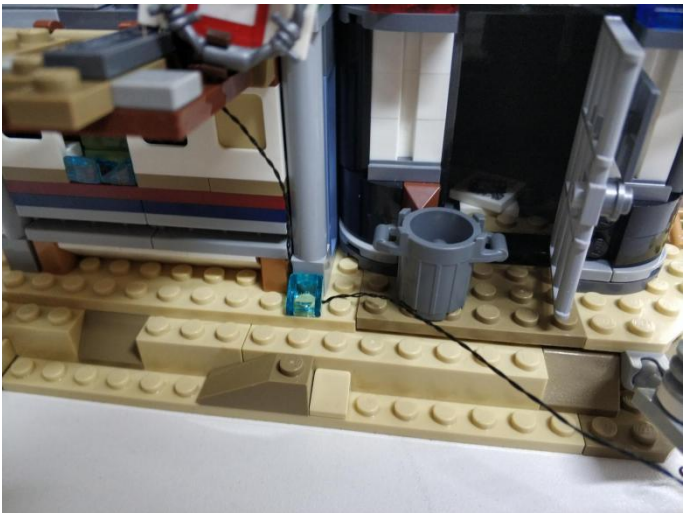
Connect all cables of the lights to the 8-port Expansion Board



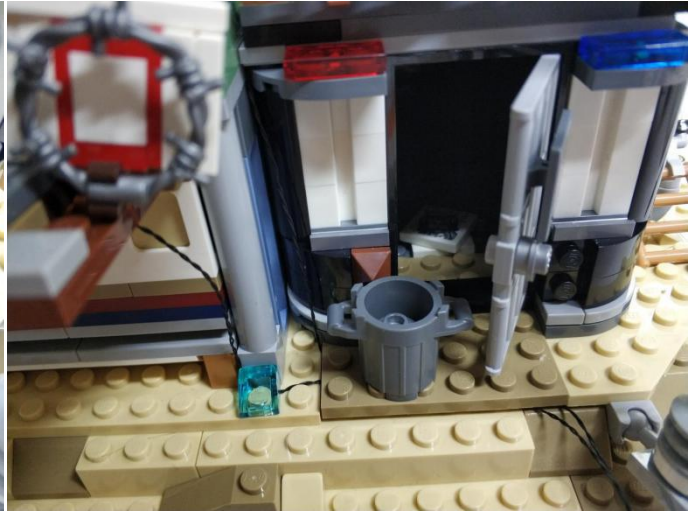
Connect the 15cm connecting cable to the strip light under the eaves, secure the light with trans round plate



remove the trans blue piece, secure the cable with it



Slightly lift the yellow baseplate, pull the cable from the eaves and the cable from the third floor to the bottom of the baseplate, reconnect the yellow plate



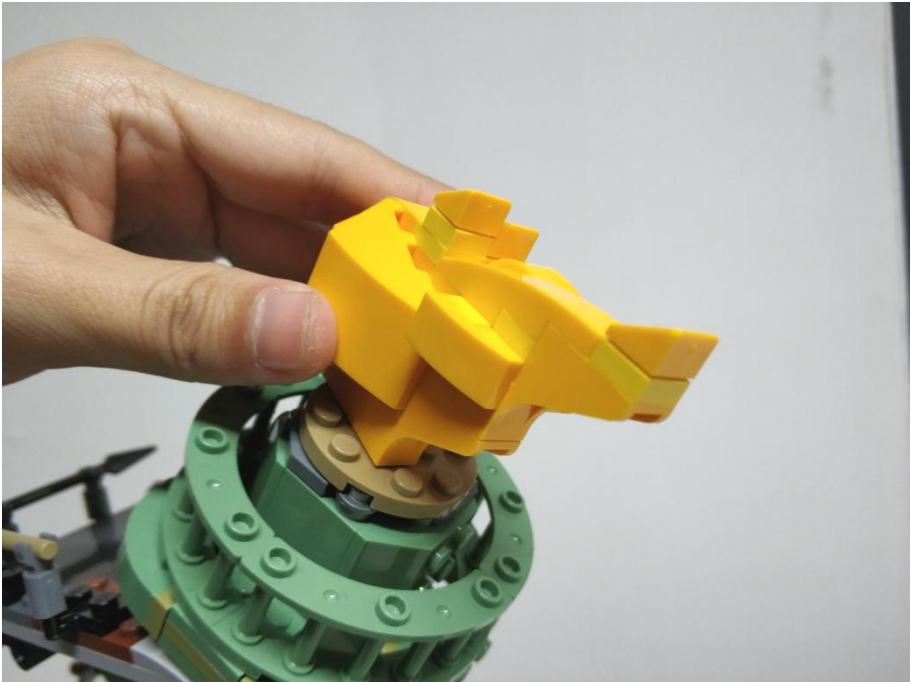
Stick adhesive tapes to the back of the Expansion Board, tuck excess cables around the Expansion Board, connect the cables to it. Stick the Expansion Board to the baseplate



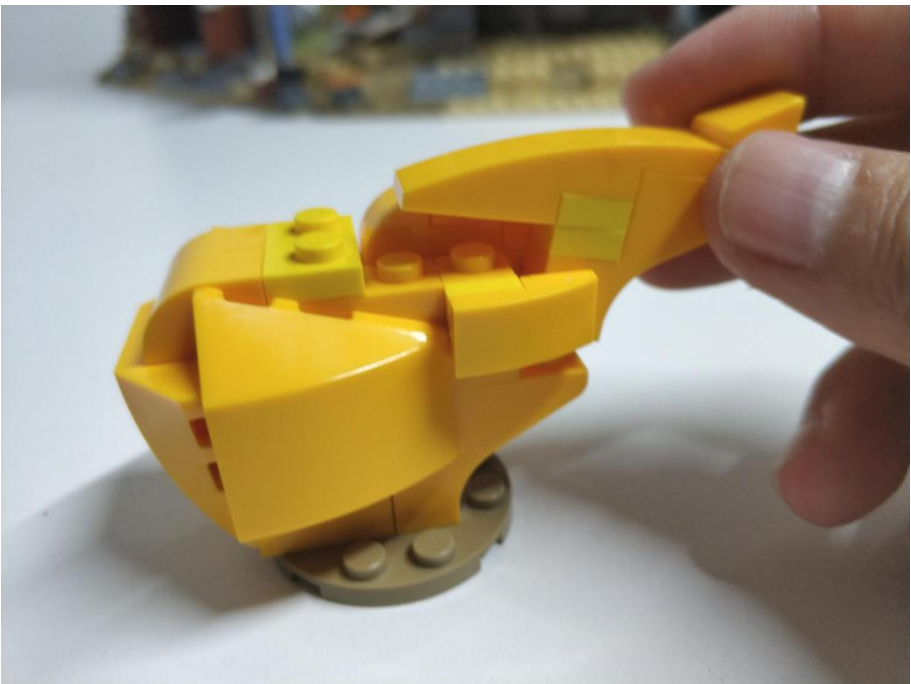
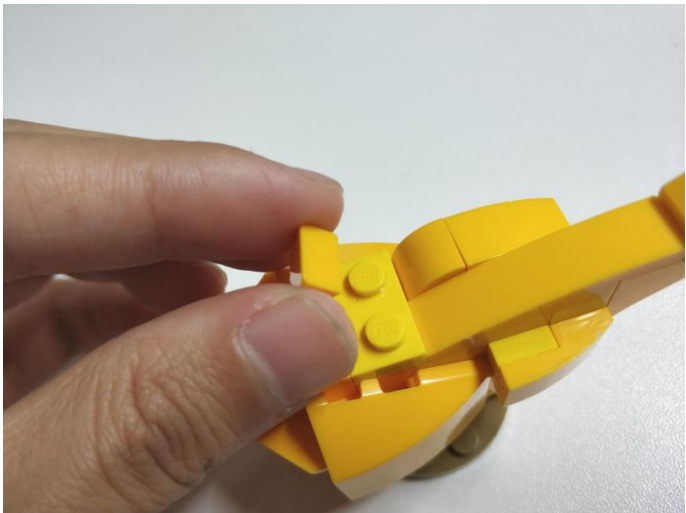
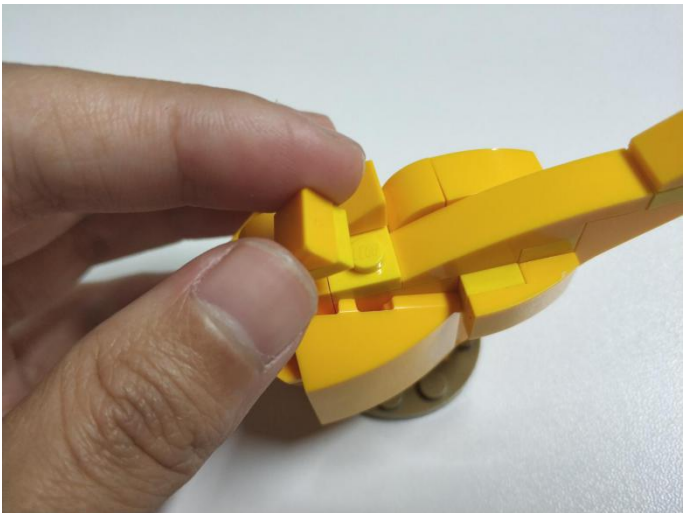
Now, we finished installation for the second part, you can turn the power on to verify the current



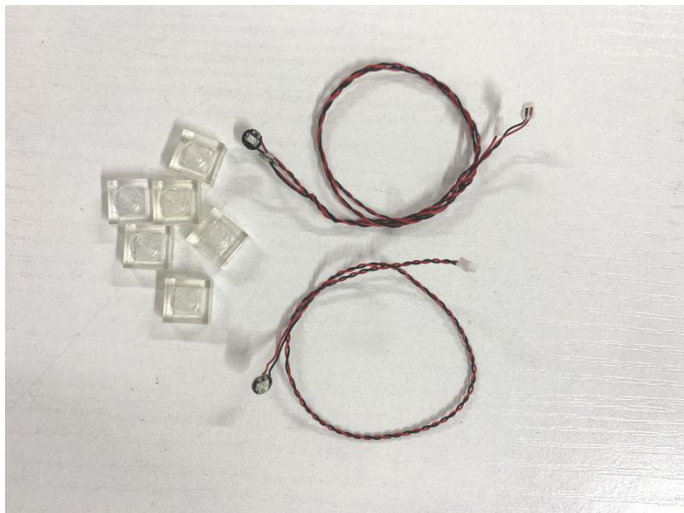
Let's continue to install the third part. Remove the flame



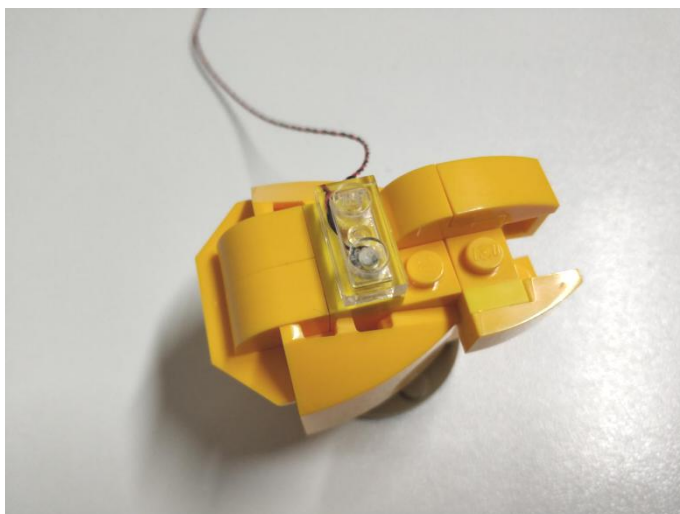
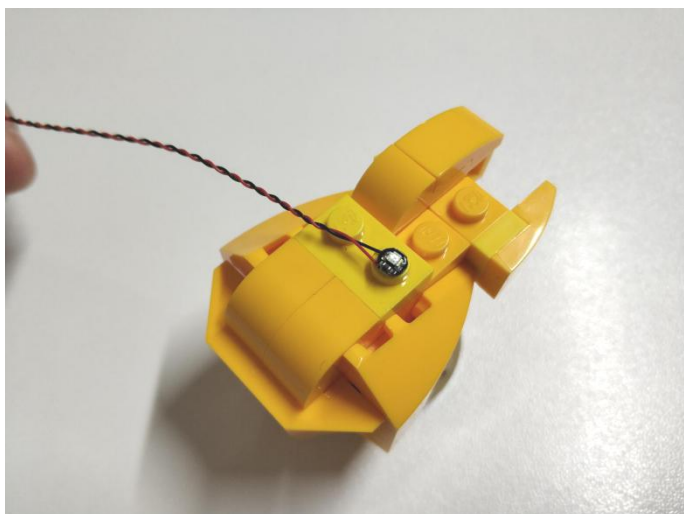
Remove the following pieces



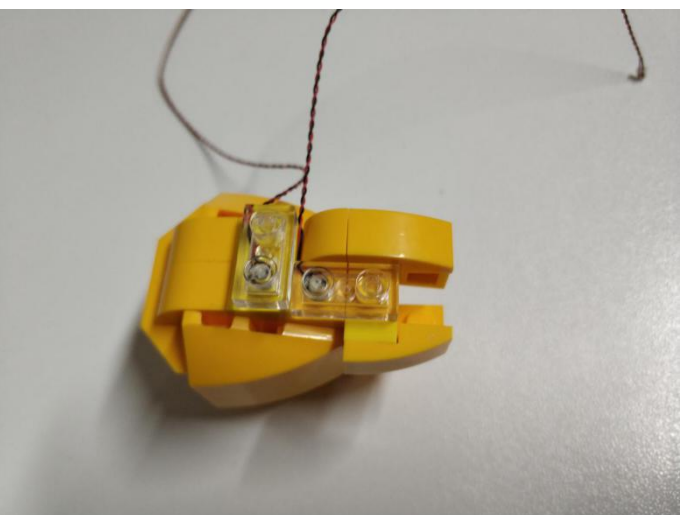
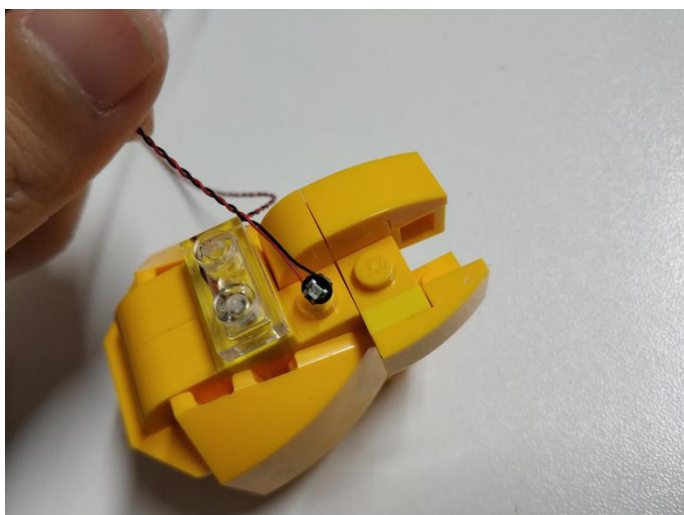
Take 2 yellow 15cm dot Lights, a 15cm warm white dot Light, 6 trans 1x1 plates



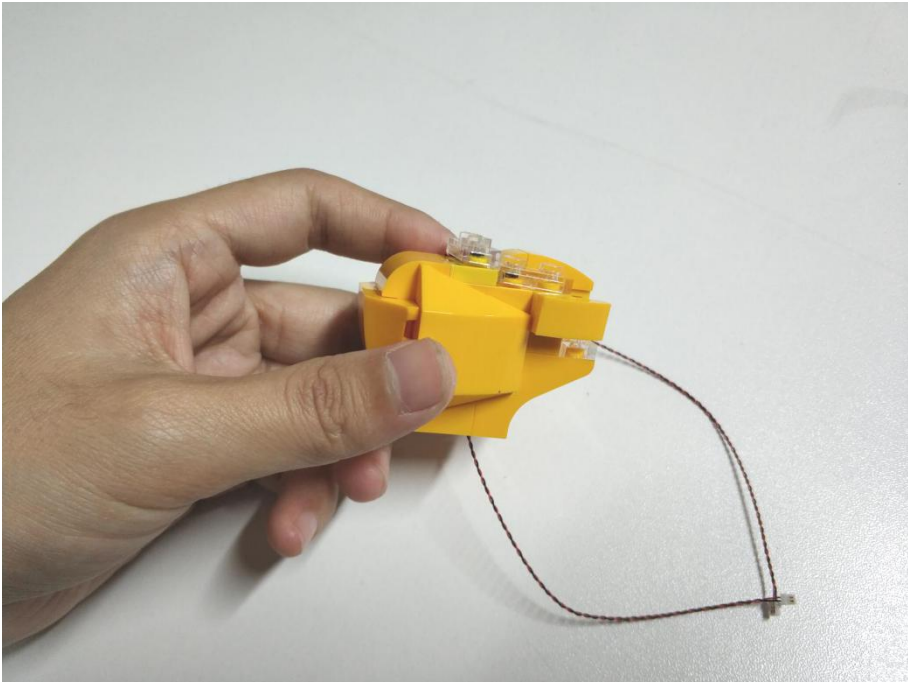
Place a dot Light to the studs on the piece, secure it with a 1x1 trans plate, pull its cable to the back



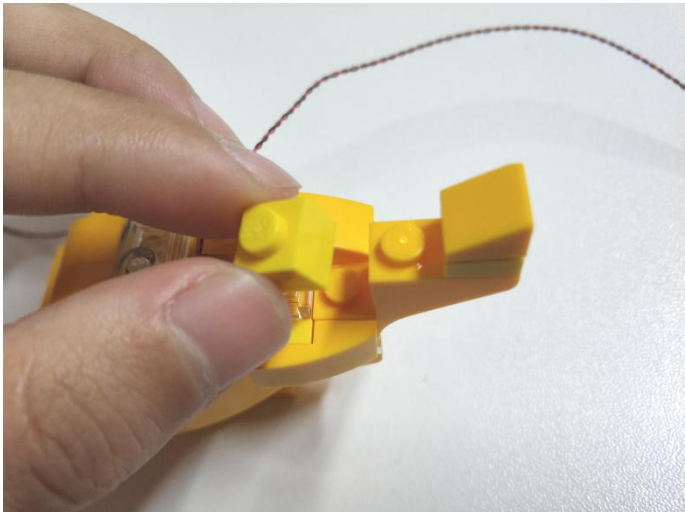
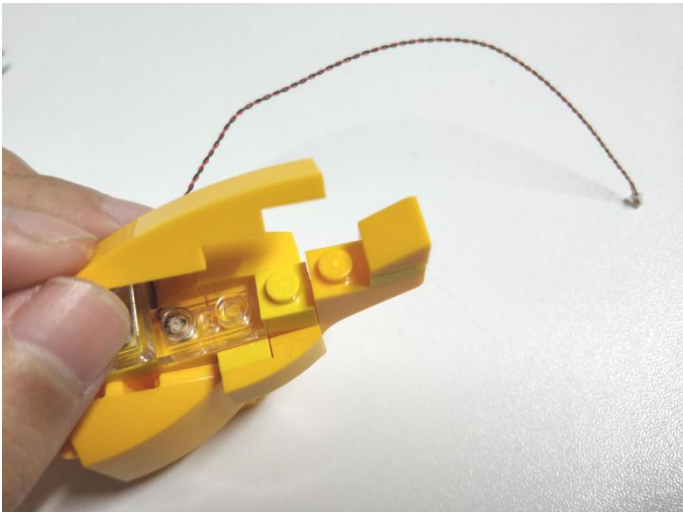
repeat the steps above to install other dot Lights



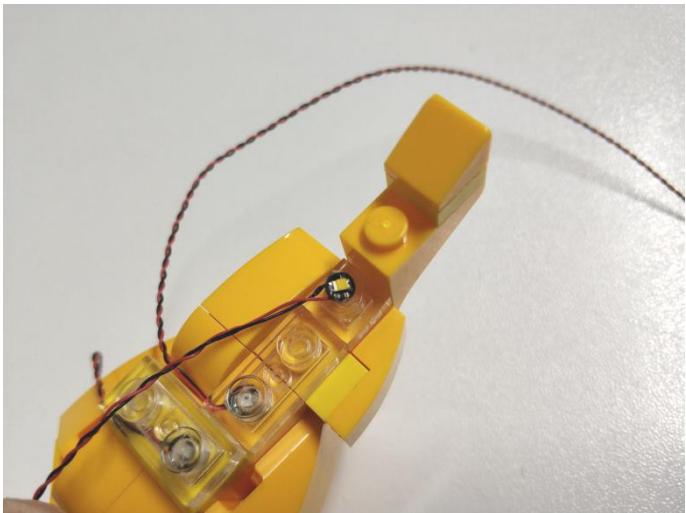
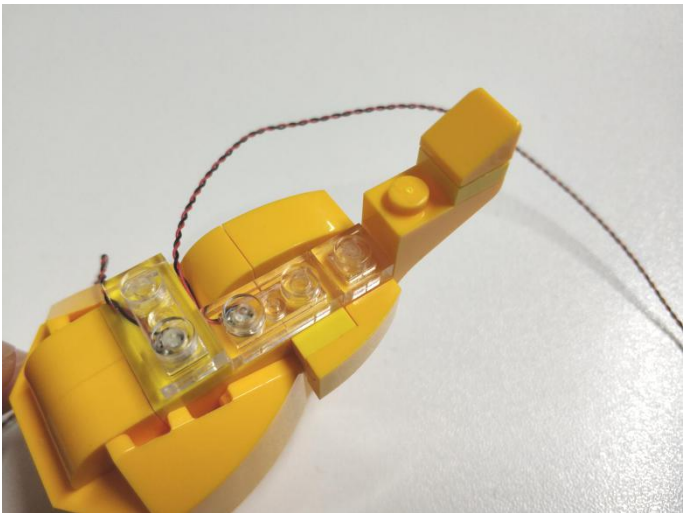
Place the 1x1 trans plate to the following position

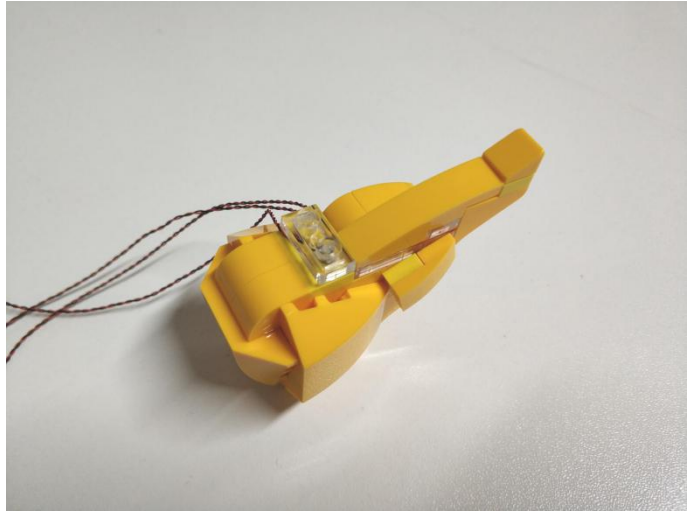
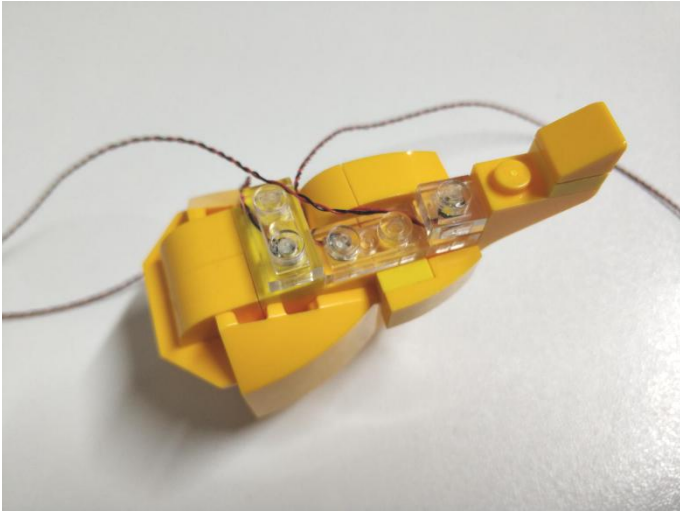


Reconnect the pieces we removed before. Remove the following pieces



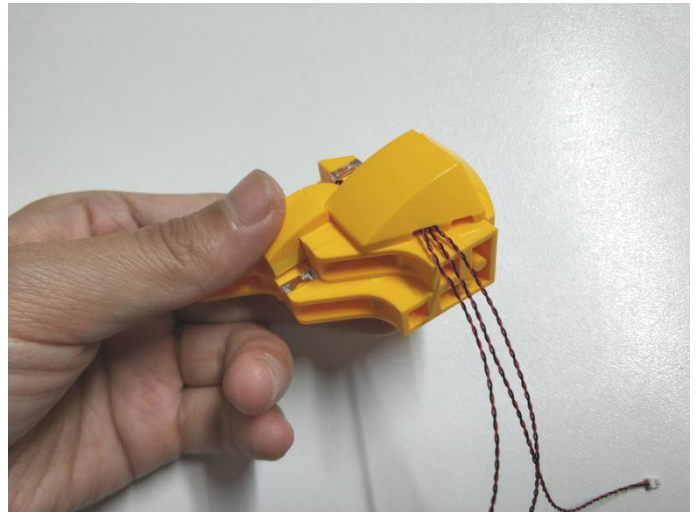
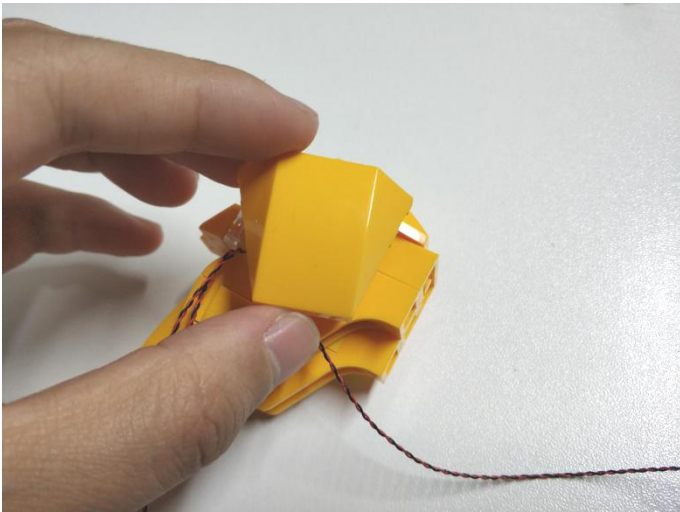
replace the yellow pieces with 1x1 trans plates. Connect a 15cm warm white dot Light between 2 pieces, place the cables as per below. Reconnect the pieces



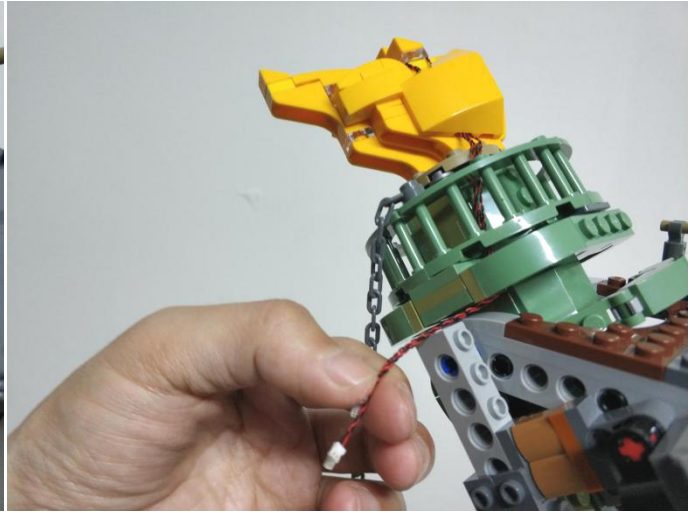
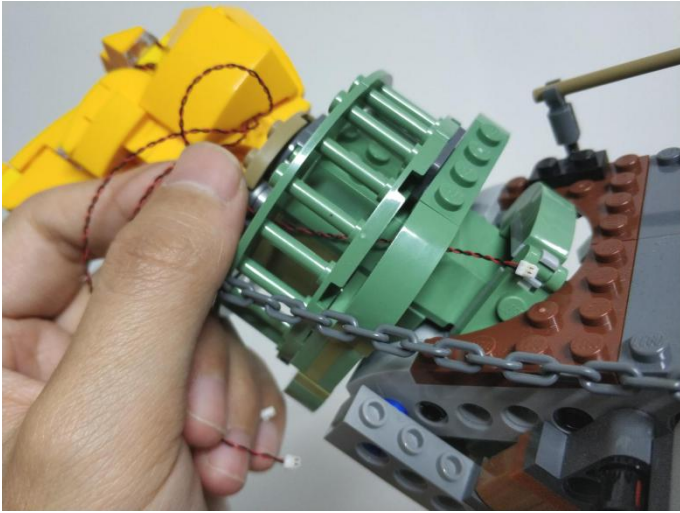


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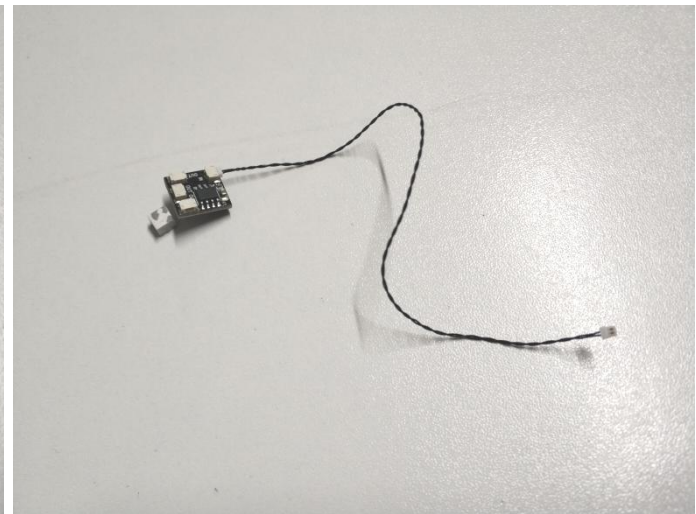
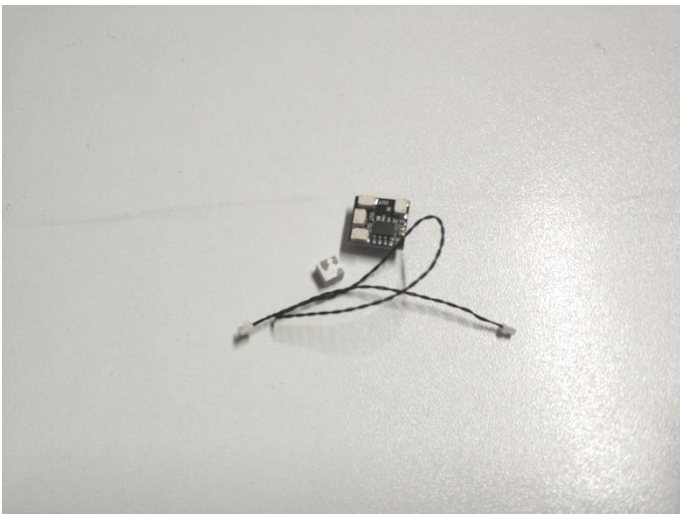
urn to the back of the flame, remove the following piece, thread the cables through, reconnect it



Thread the cables through the following gap, pull them down

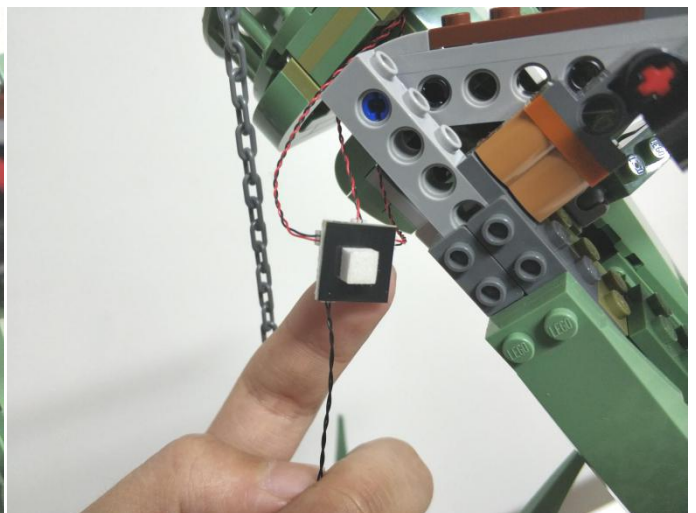
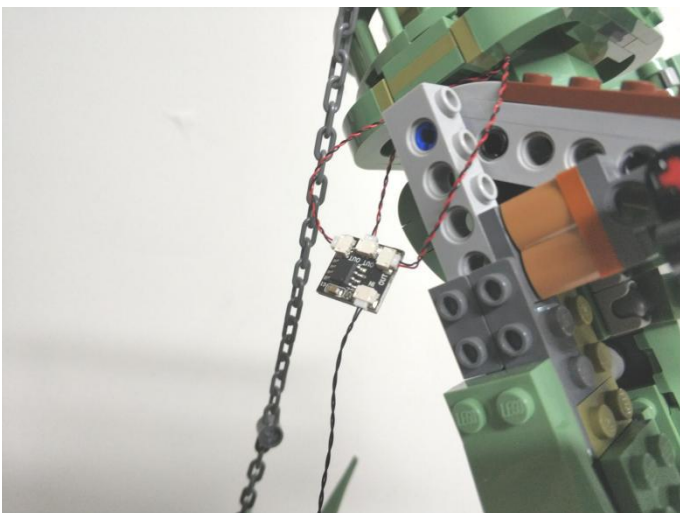


Take a Flicker Effects Board, a 15cm connecting cable, a square of adhesive tape, connect the connecting cable to a port on the Flicker Effects Board



c

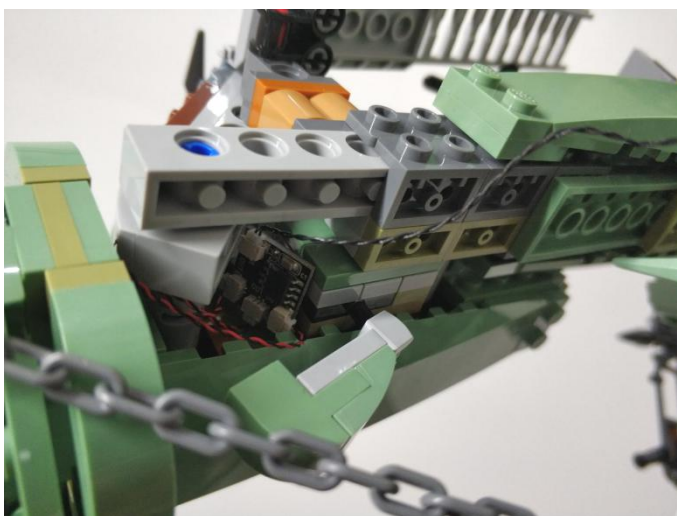
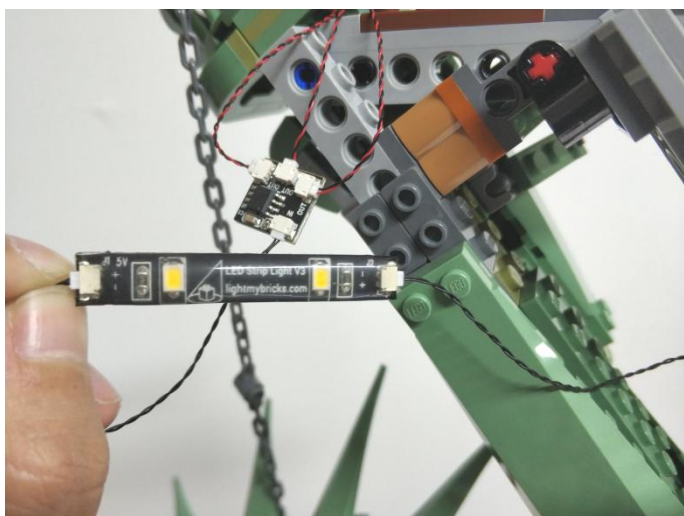
connect the cables of the lights from the flame to the other ports on the Flicker Effects Board, stick the adhesive tape at the back



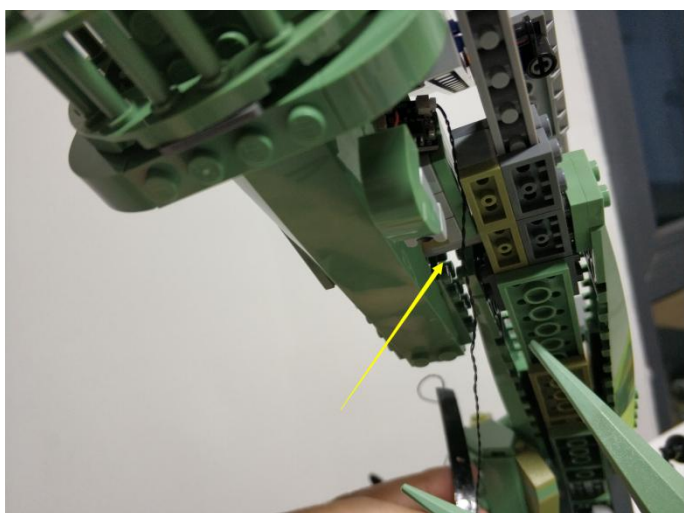
Take a warm white strip light, a 30cm connecting cable, connect the connecting cable to a port on the strip light



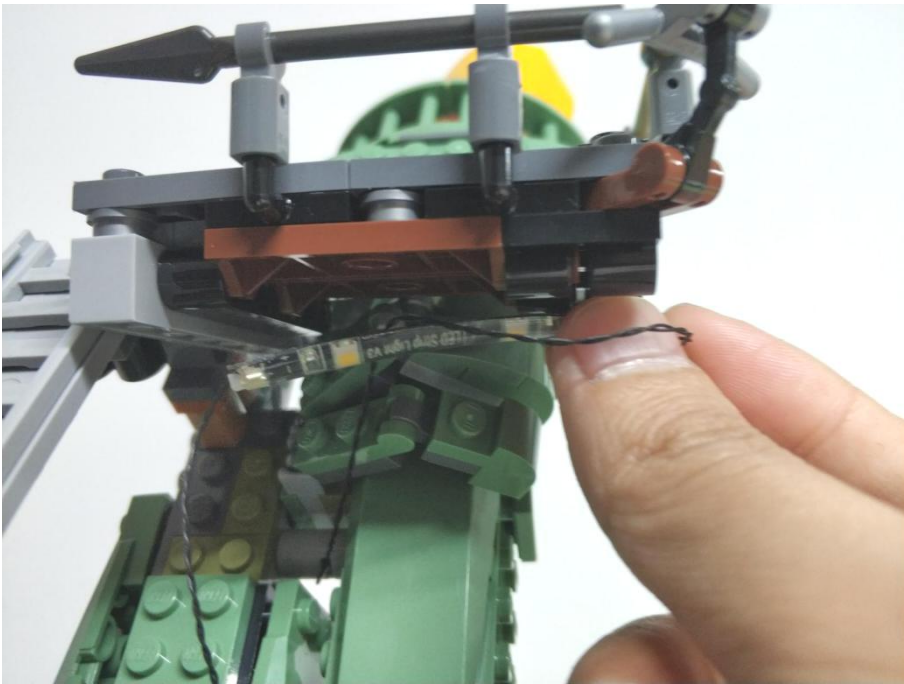
Connect the connecting cable from the Flicker Effects Board to the other port of the strip light, stick the Flicker Effects Board to the inside of the building



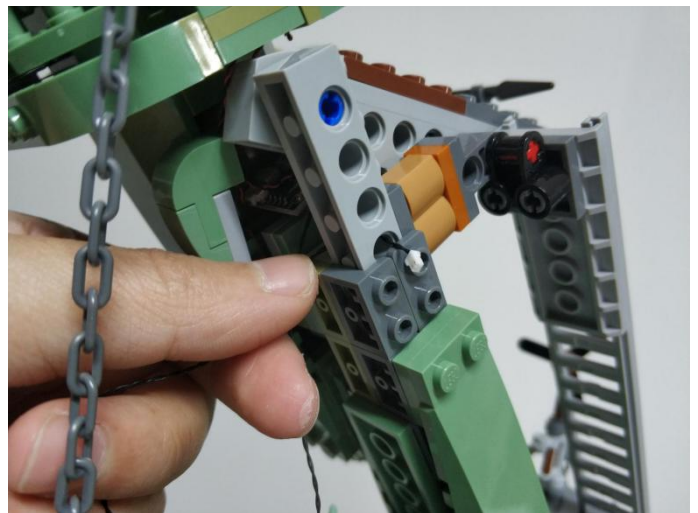
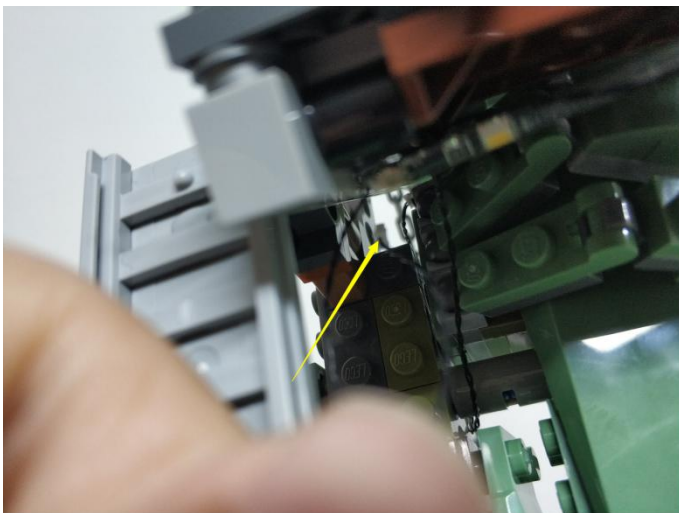
pull the strip light through the gap under the pieces, pull it out from the other side, stick it underneath as per below



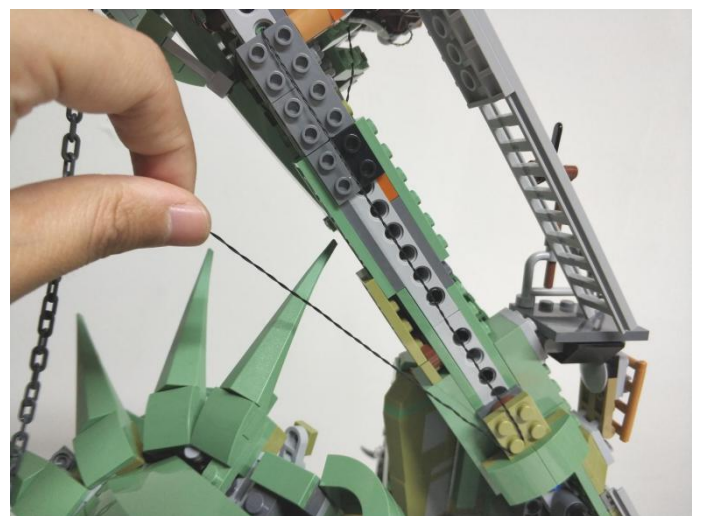
p

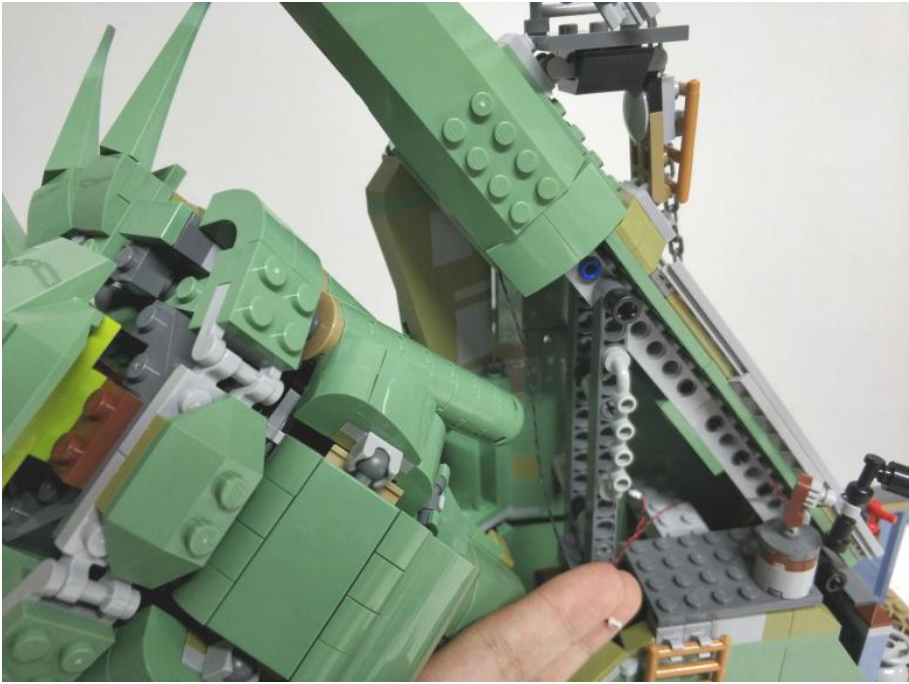


Thread the connecting cables through the gaps in between pieces, pull it out from the other side, thread it through the hole on the technic piece

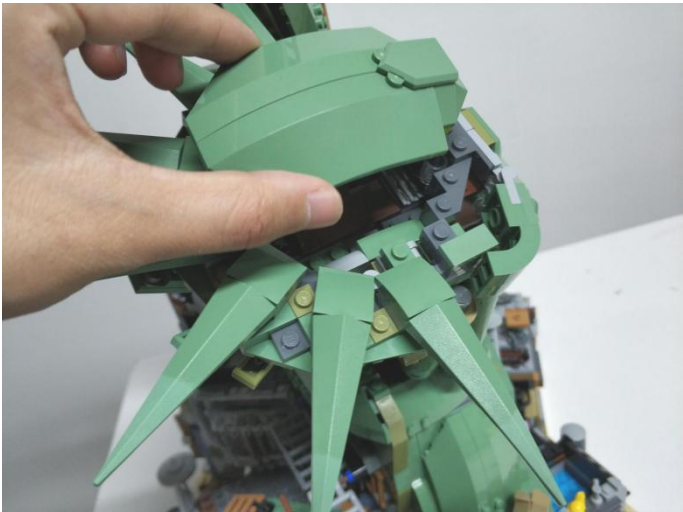


remove the following green piece to place the cable as per below, reconnect it

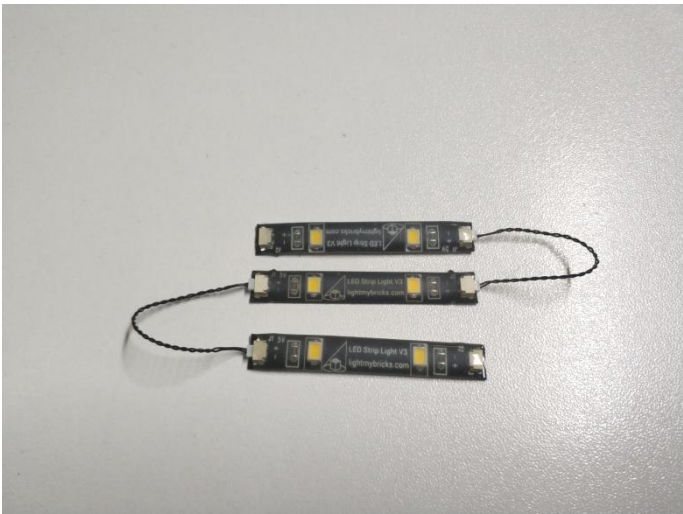
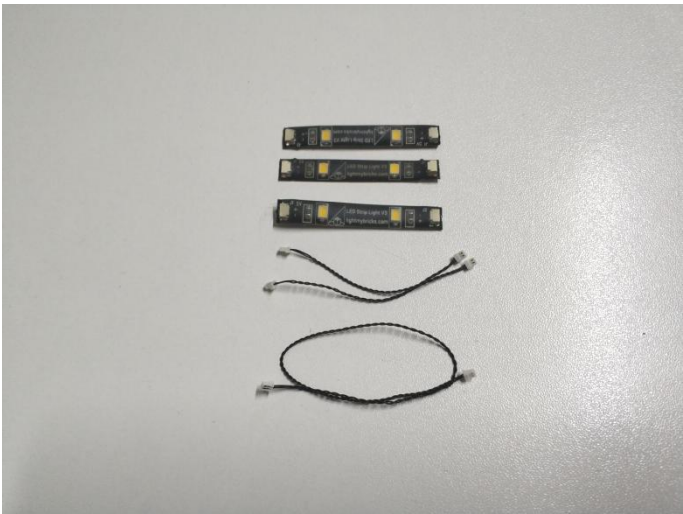




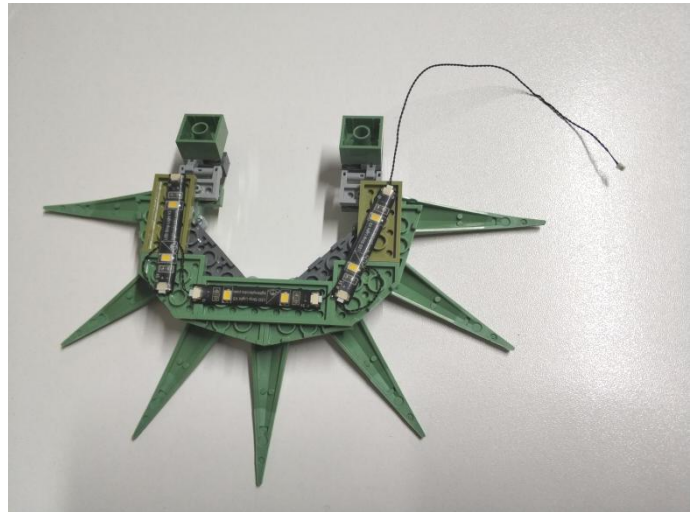
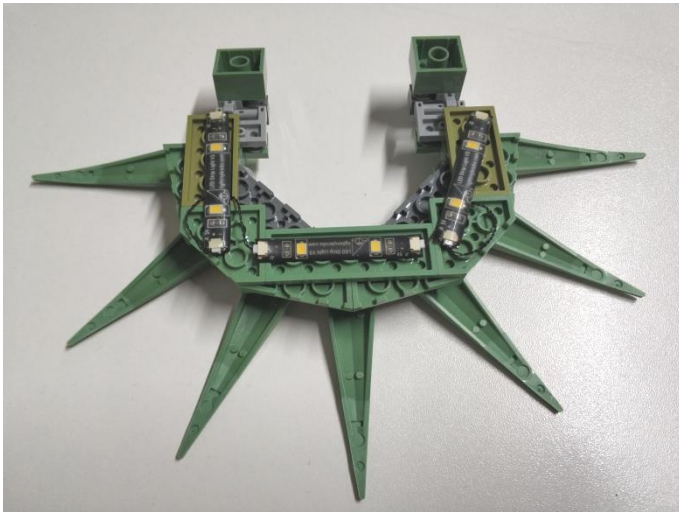
Remove the head of the Statue Of Liberty



Take 3 warm white strip lights, two 5cm connecting cables and a 15cm connecting cable, assemble the strip lights as per below

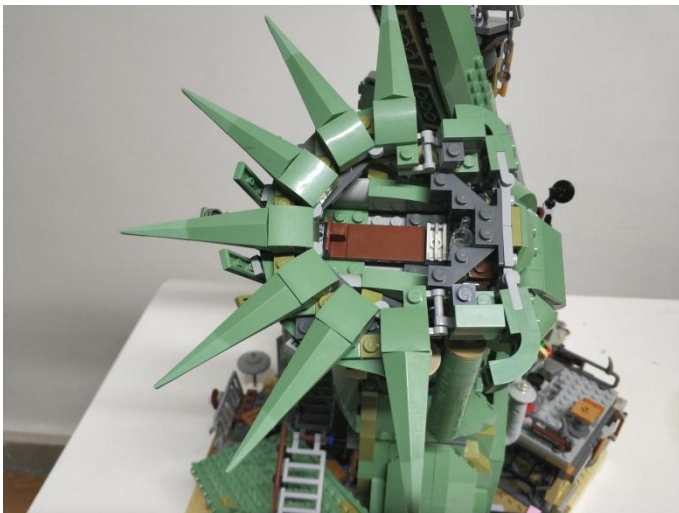


Stick the strips on the semicircular piece, connect the 15cm connecting cable to its right side



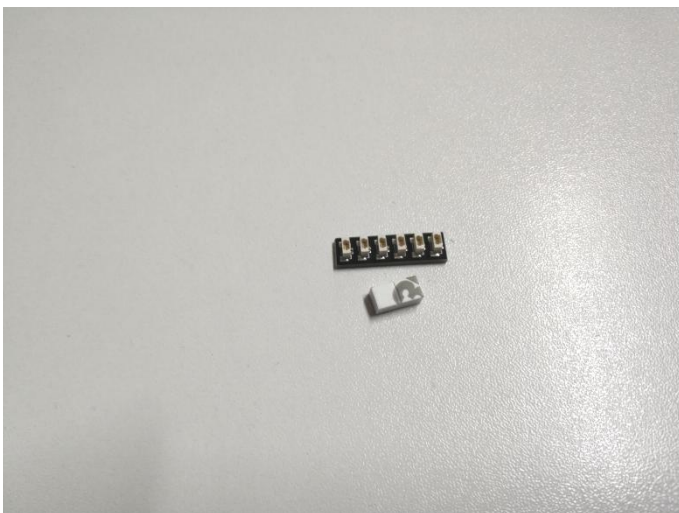
r

reconnect the piece



take

a 6-port expansion Board, two squares of adhesive tapes, stick the adhesive squares under the expansion board

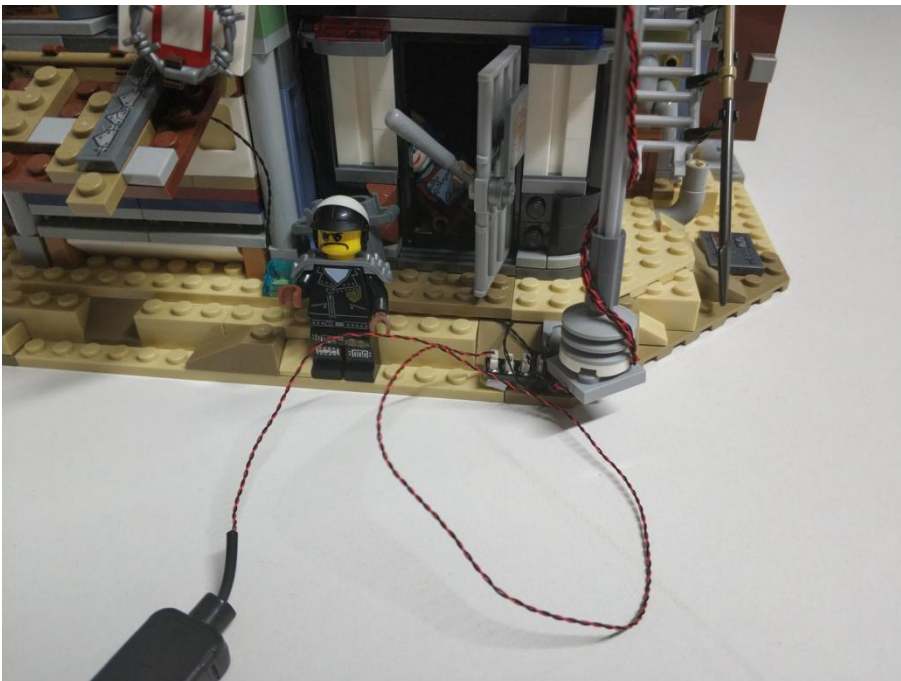


connect

all cables to the 6-port expansion Board, stick the 6-port expansion Board to the center of the pieces



This completes installation of this LED Lighting Kit.
Connect the USB cable to the following expansion board



Turn the power on to check if all lights are working OK

