

# Pirates of Barracuda Bay # 21322 Basic Version Lighting Kit

## Package contents:

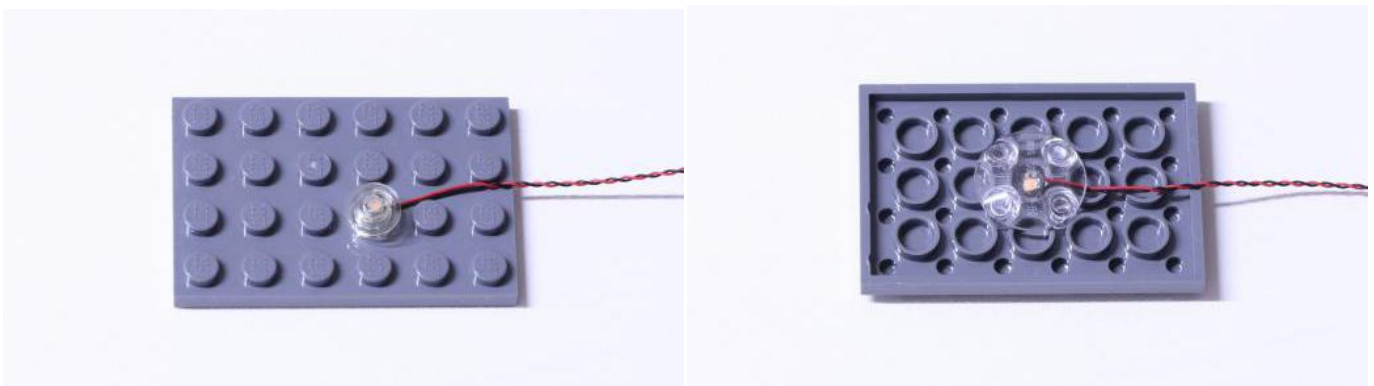
- 5 x 15cm Warm White Dot Lights
- 5 x 30cm Warm White Dot Lights
- 8 x Warm White Strip Lights
- 6 x Blue Strip Lights
- 4 x 5cm Connecting Cables
- 12 x 15cm Connecting Cables
- 2 x 30cm Connecting Cables
- 5 x 6-port Expansion Boards
- 1 x USB Cable

Extra pieces

## Important things to note:

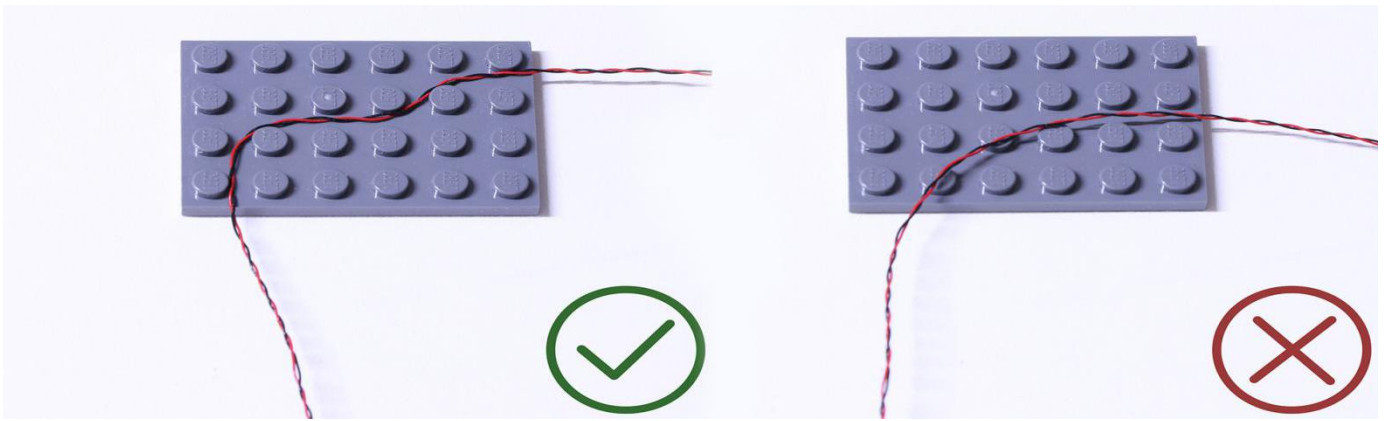
### When installing dot lights

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.

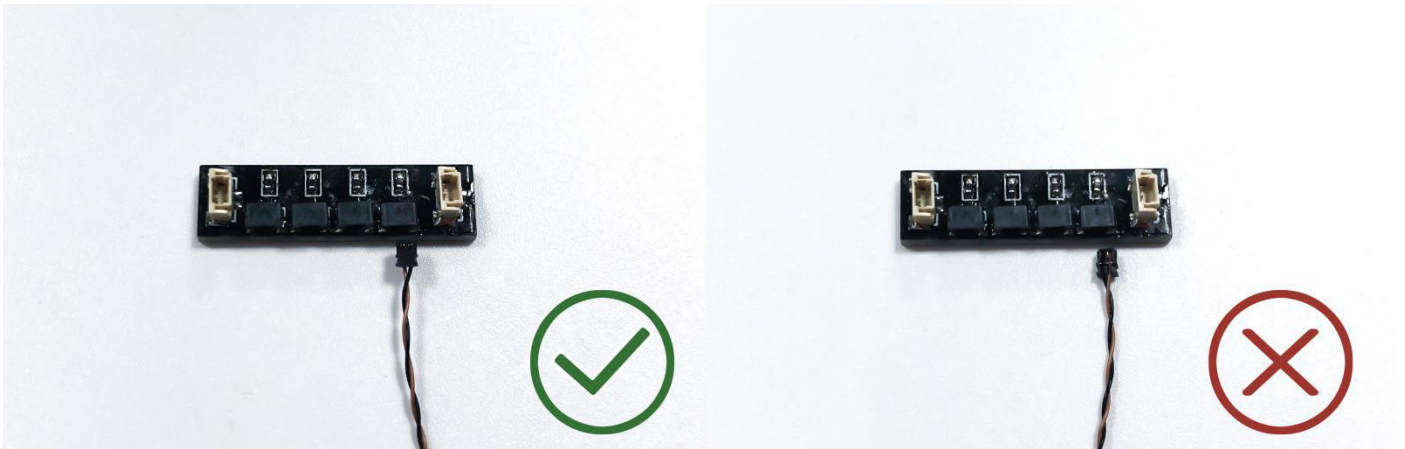


Place wires on the surface or under the building blocks.

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

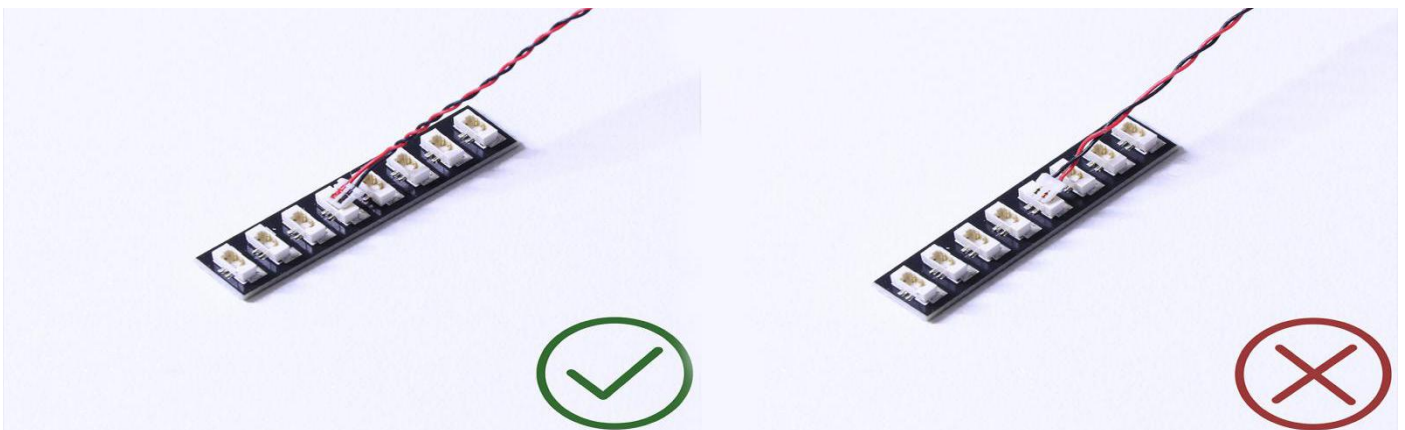


Be careful when inserting the micro connector to the micro expansion board. With connecting cable side facing down, connect the connector to the board as per below. In case of damaging the pieces, do not force to connect the pieces.

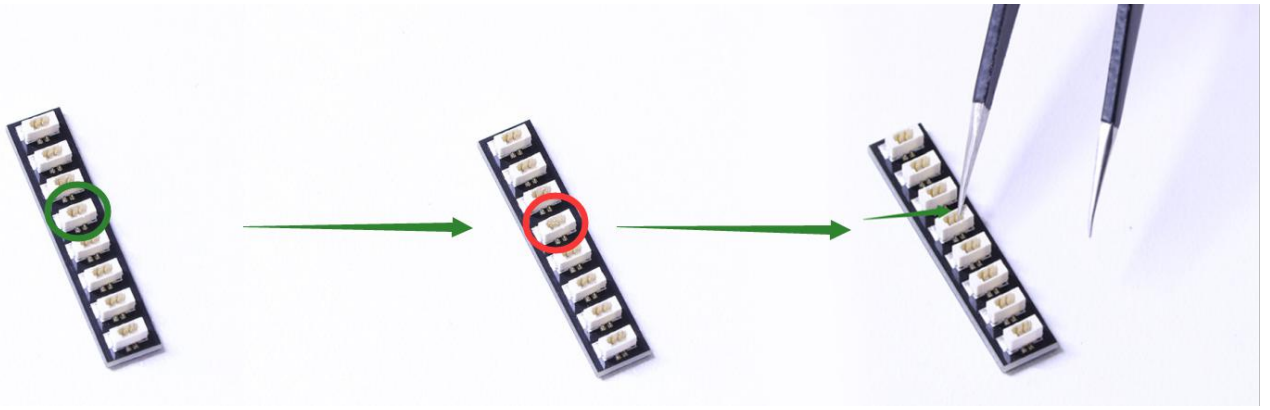


### Insert the connectors to the ports.

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.

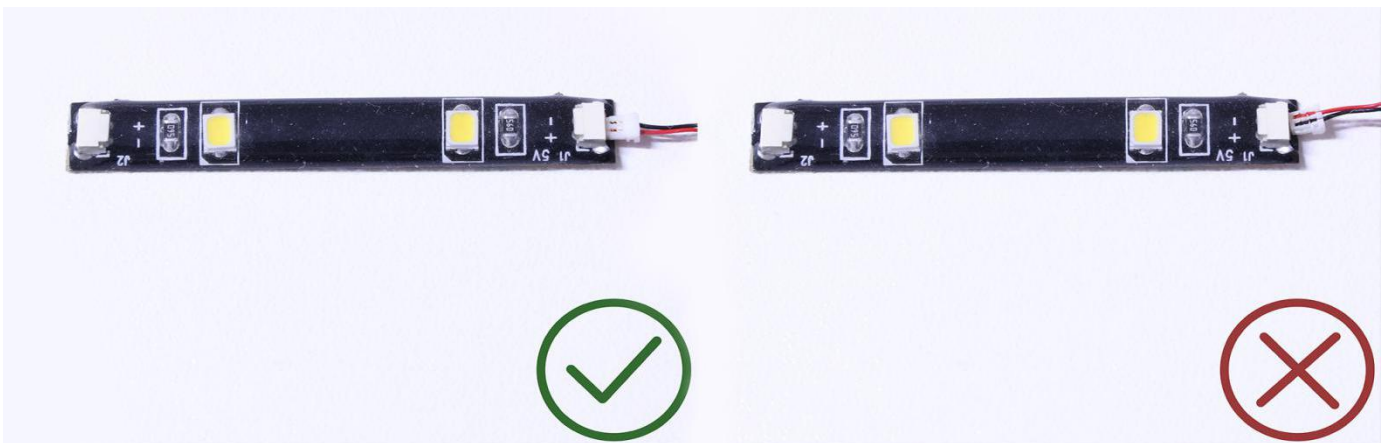


At this point, use the tweezers to straighten the bent pins.



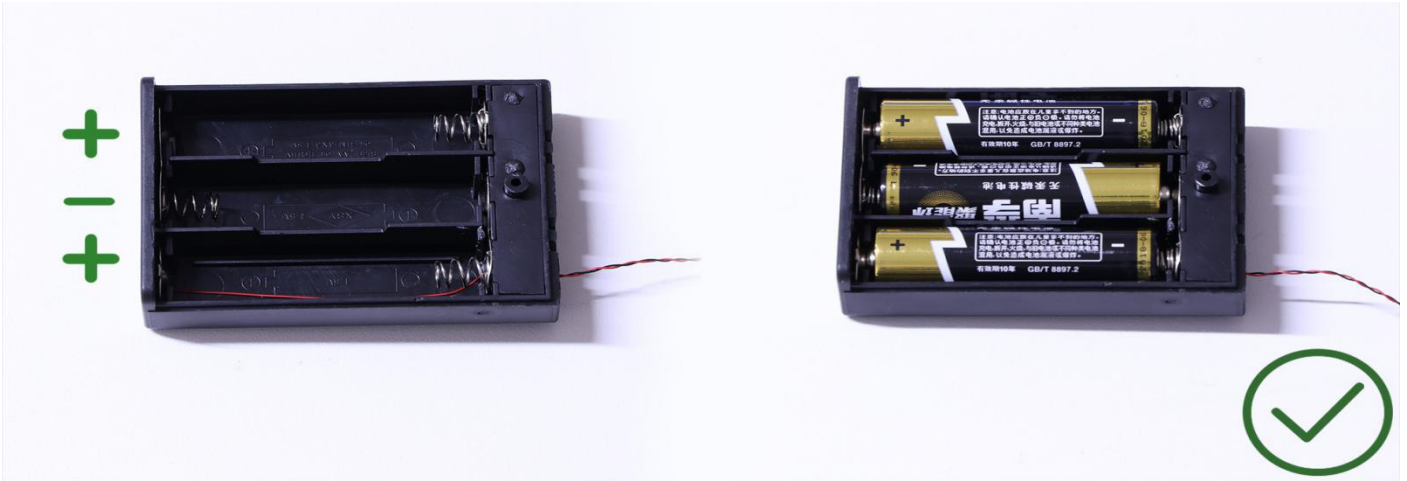
### Connecting cable connectors to Strip Lights

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.



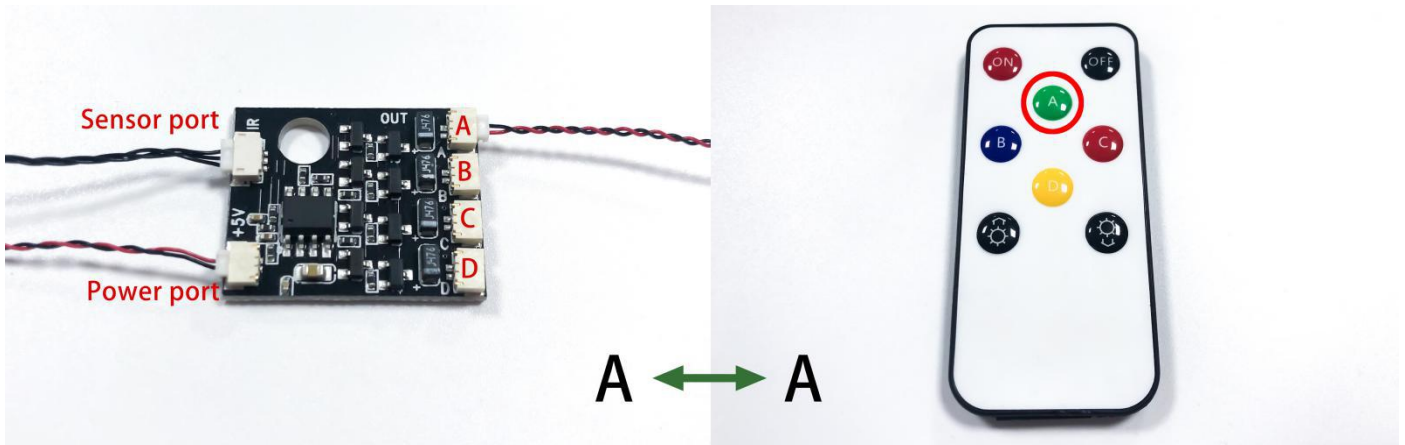
Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.



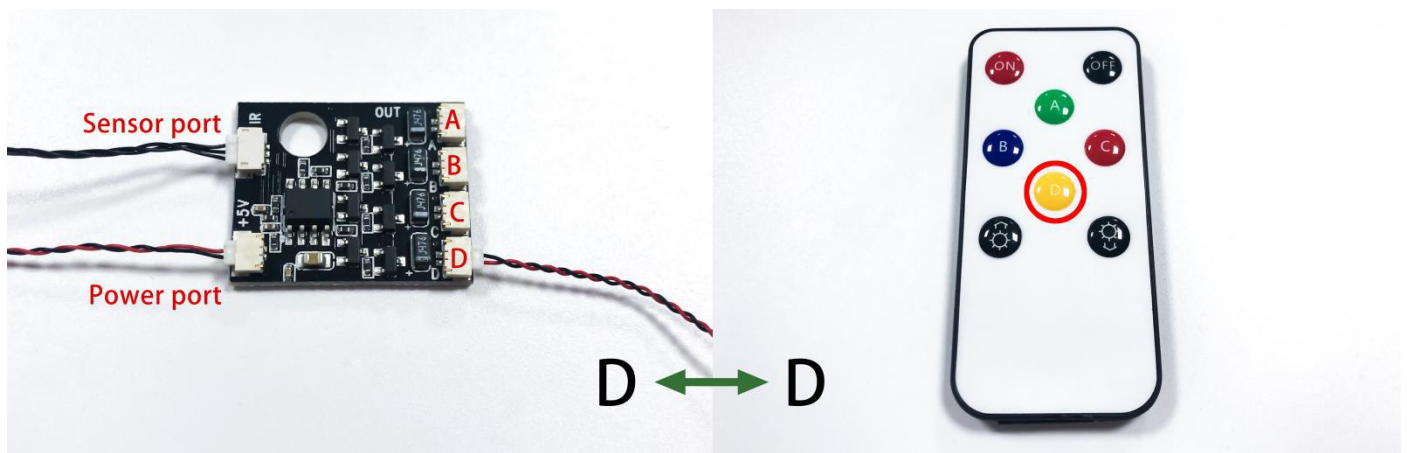


### Note for connecting cable to the remote control board:

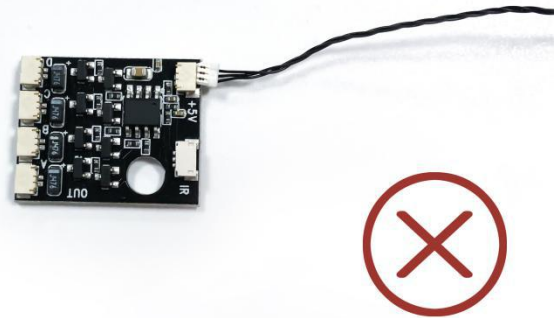
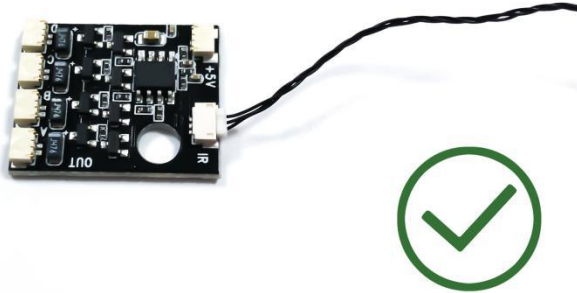
Connect the cables of the lights to the A、B、C、D ports which are corresponded to the buttons on the remote control board.



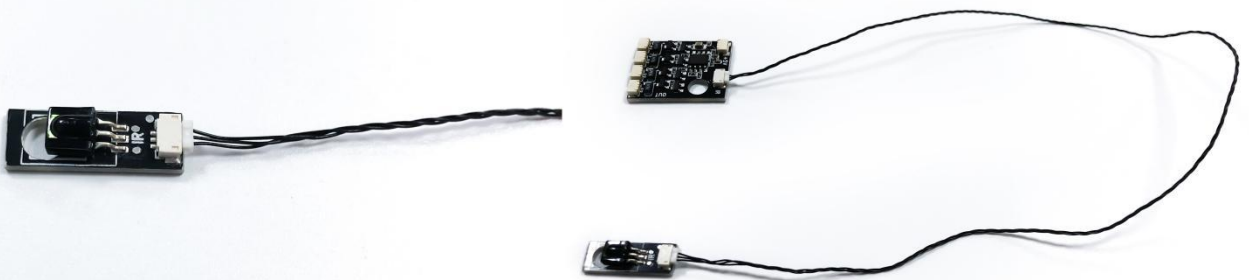




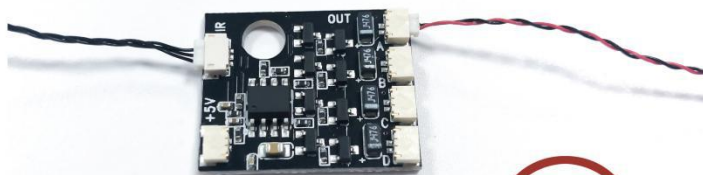
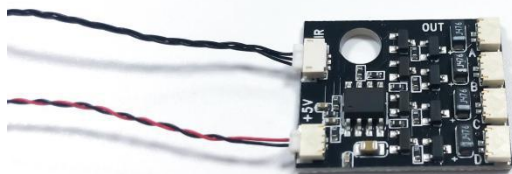
With connecting cable side facing down, connect the cable to the bigger port on the remote control board as per below.



Connect the other end of the connecting cable to the sensor.



Connect the USB cable to the port as per below.



Instructions for installing this kit:

OK, Let' s Begin!

Start from dividing the ship into 2 parts as per below.



We' ll install lights for the right part.



Remove the lamp on the deck as per below.

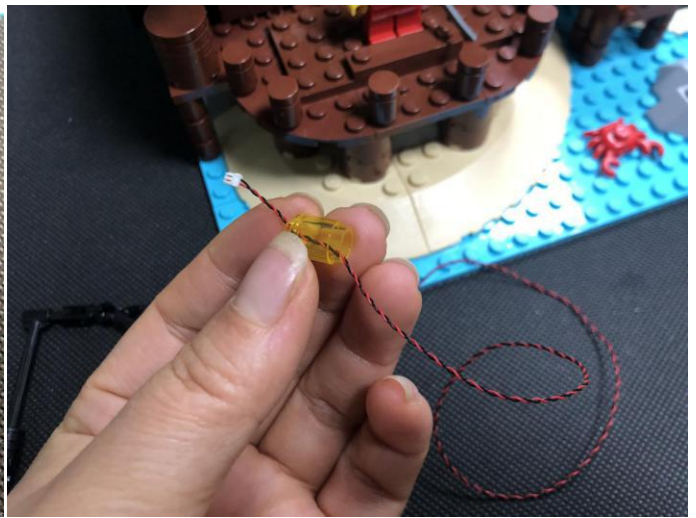


Disassemble the lamp.



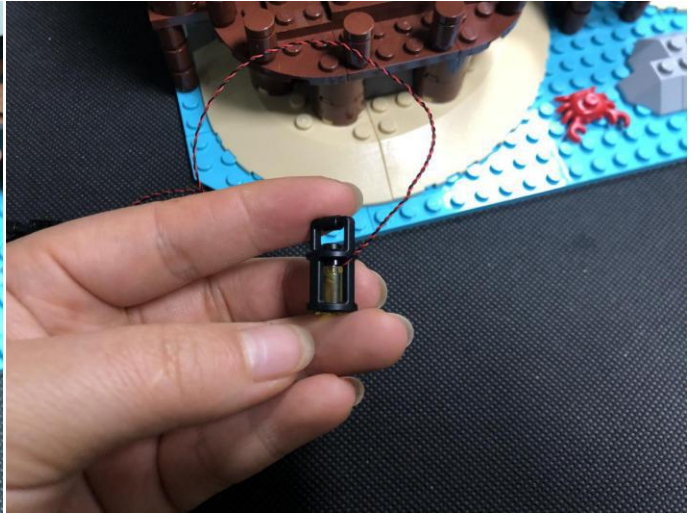


Take a warm white 15cm dot light, thread the light through the trans yellow lampshade, pull the cable out till the light is placed inside as per below.



Continue to thread the cable through the black lampshade, reconnect the trans yellow lampshade as per below.





Wind the cable around the post several times, reconnect the lamp.



Remove the following ladder.



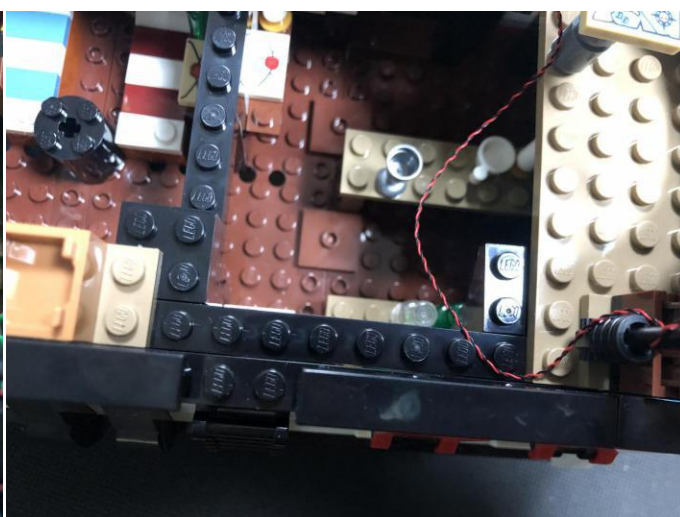
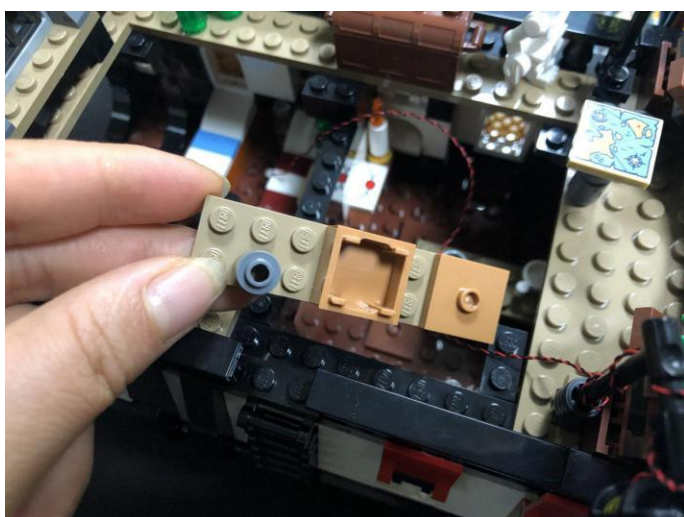
Remove the sail as per below.



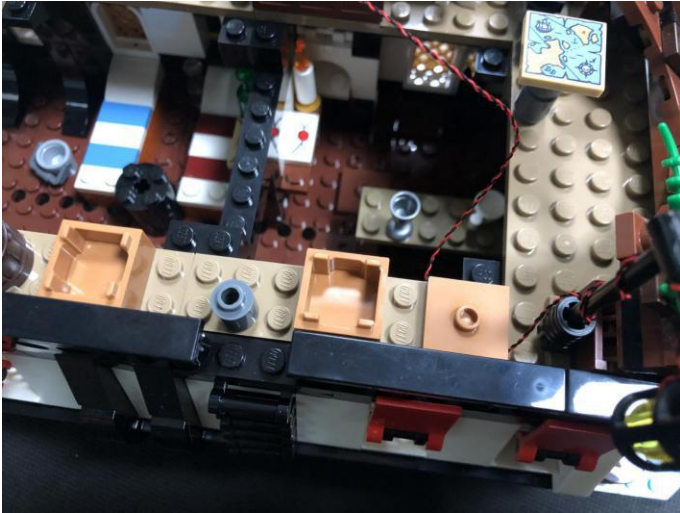
Disconnect the following deck.



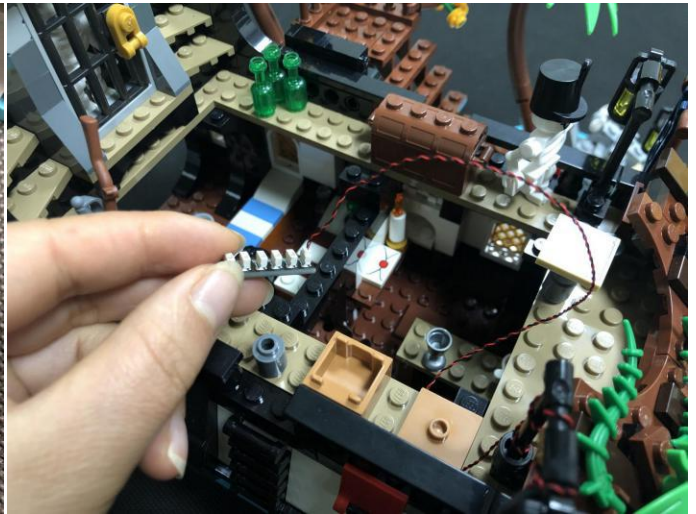
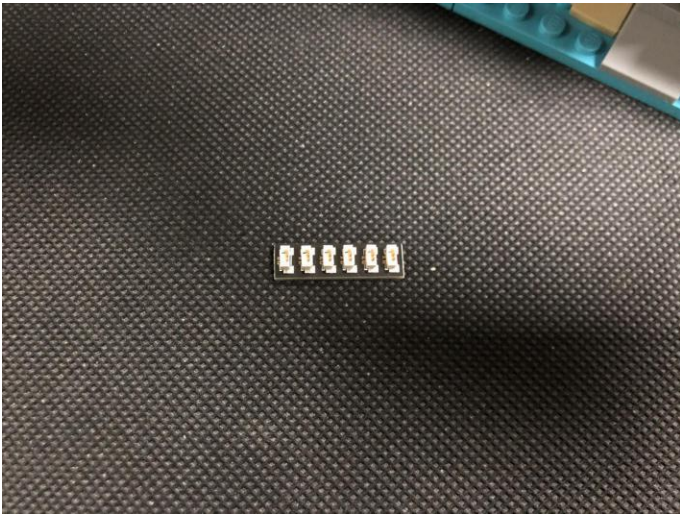
Remove the 2x8 beige plate, thread the cable through the 1x8 black plate, reconnect the beige plate to secure the cable.







Take a 6-port expansion board, connect the light cable to the expansion board.



Tuck excess cables, stick the expansion board to the following place with adhesive squares.



Move into installing light next to the signboard, remove the lamp.





Disassemble the lamp as per below.



Take a warm white 30cm dot light, install the light to the lamp as we did before.

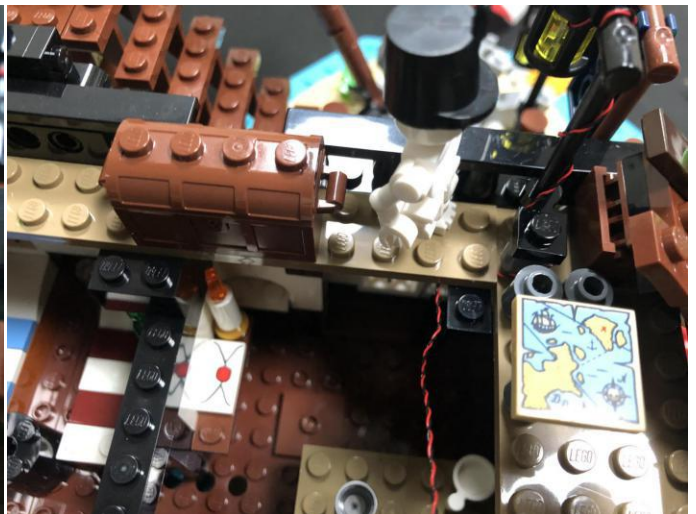
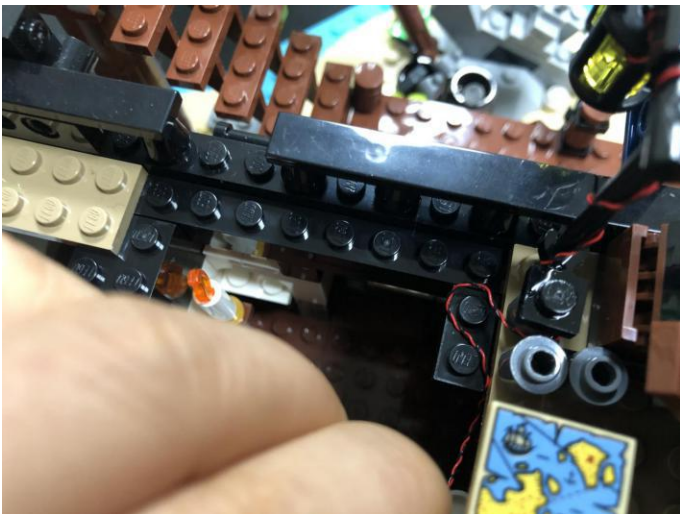


Remove the beige 2x8 plate underneath the box.

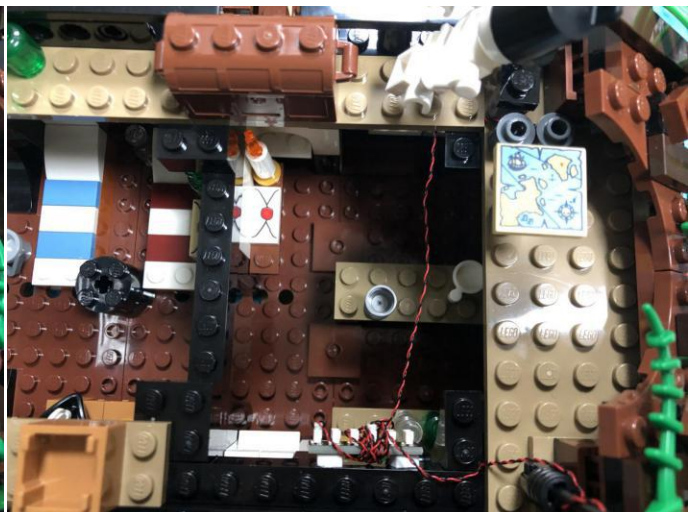
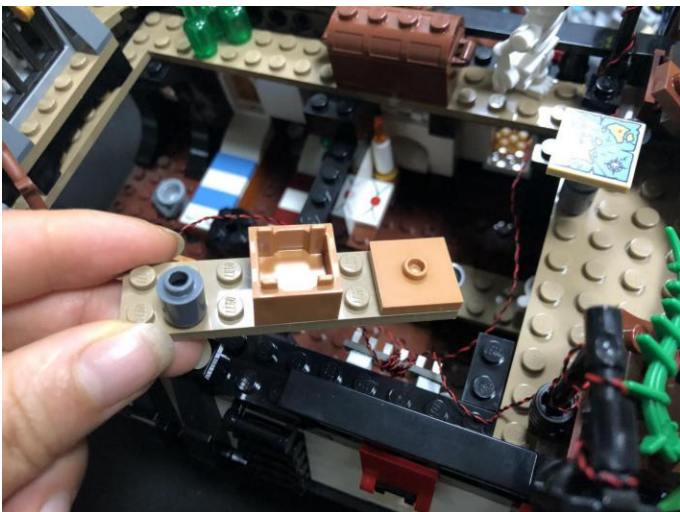




Place the cable as per below, reconnect the 2x8 plate to secure the cable.

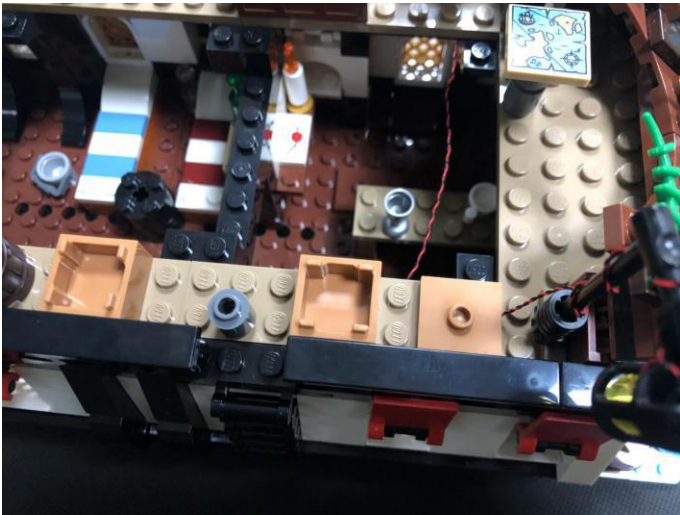


Disconnect the following 2x8 plate, tuck excess cables, connect the cable of the light to the 6-port expansion board.



Reconnect the 2x8 beige plate.

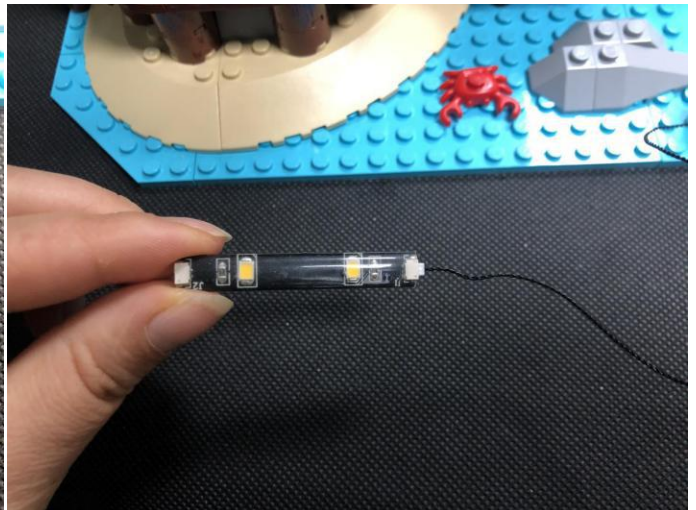
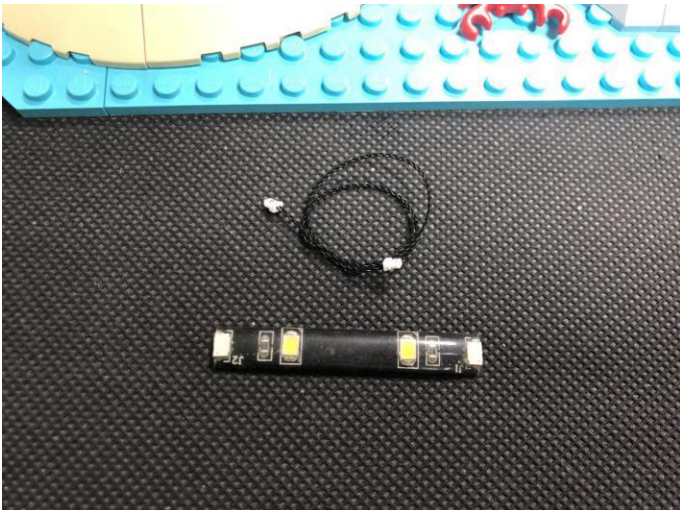




We' ll install lights for the eave.



Take a warm white strip light, a 15cm connecting cable, connect the connecting cable to the strip light.



Stick the strip to the eave as per below.



Lift the following part, thread the cable through the space to the inside as per below.

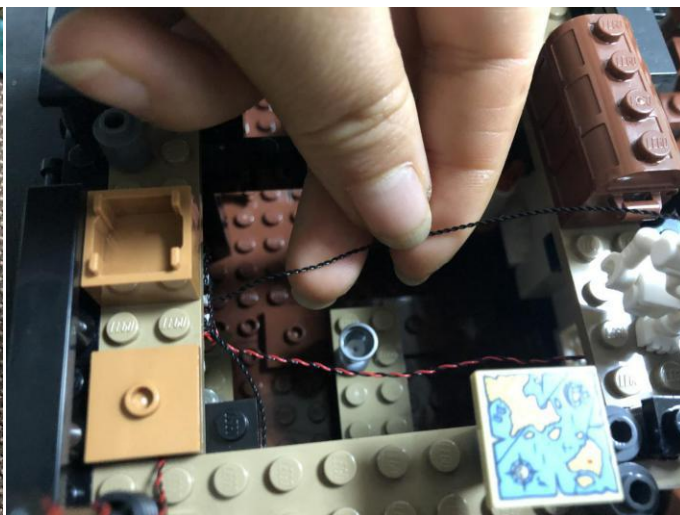


Reconnect the piece, connect the cable to the expansion board as per below.

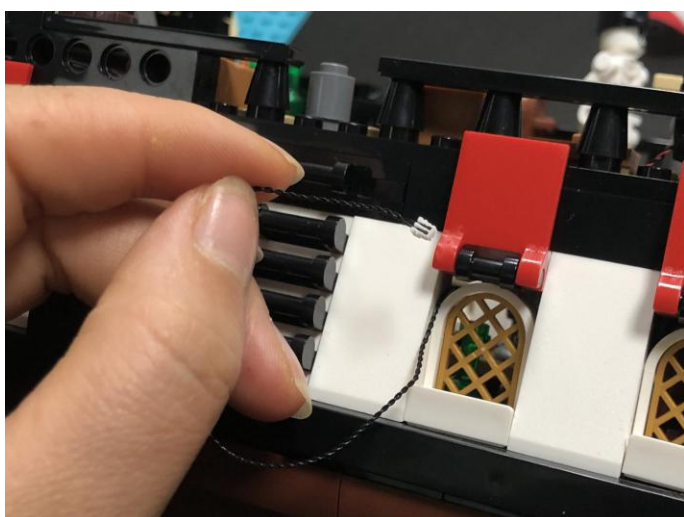
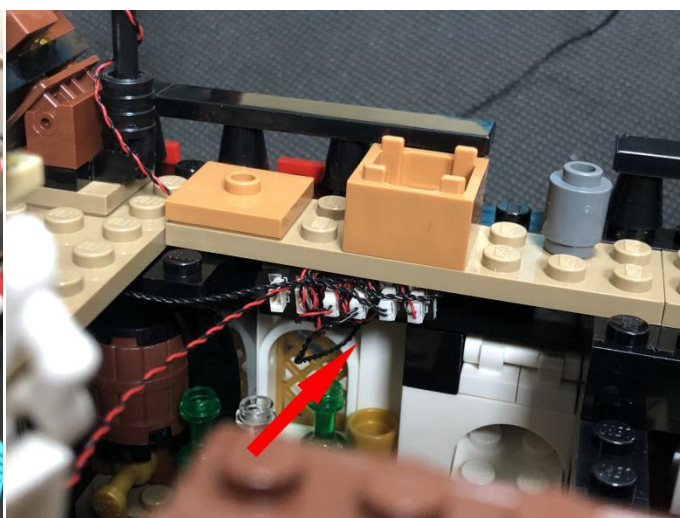


Take a 15cm connecting cable, connect it to the expansion board as per below.



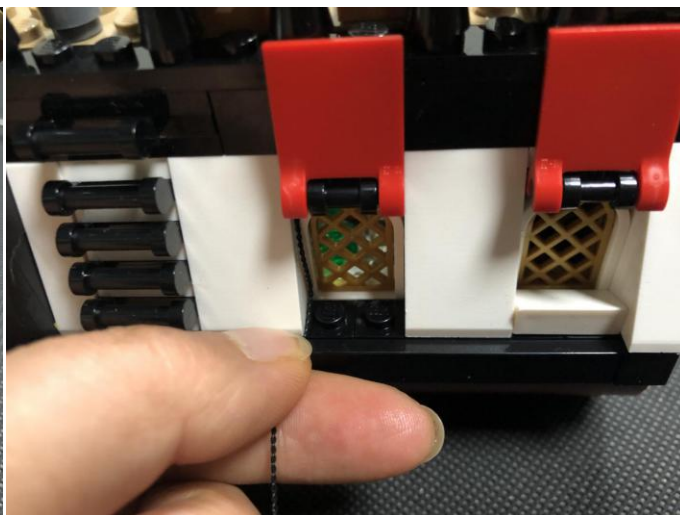
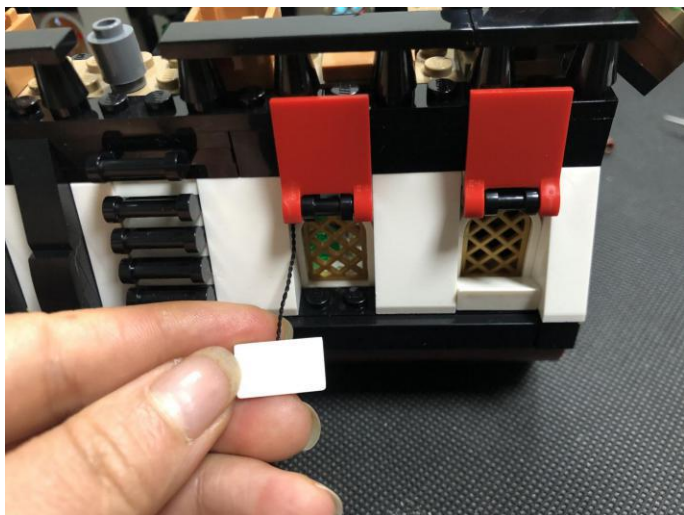


Remove the cabin, thread the cable through the window underneath the expansion board, pull it out.

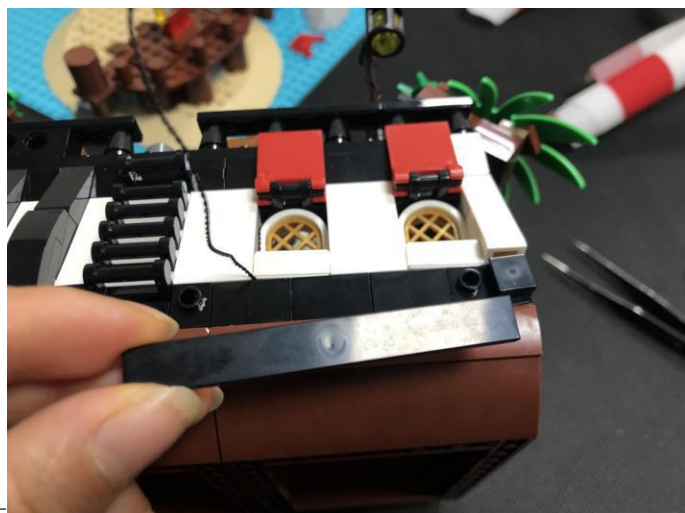


Disconnect the 1x2 white slope brick from the windowsill, place the cable as per below, reconnect the brick to secure the cable.

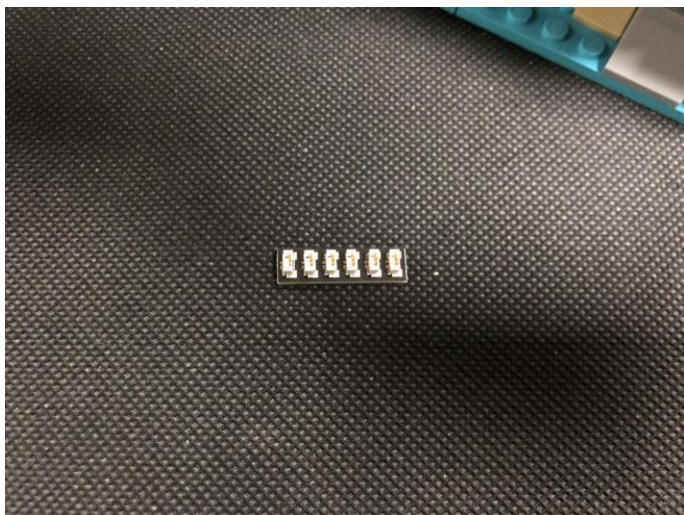




Remove the black plate to secure the cable.



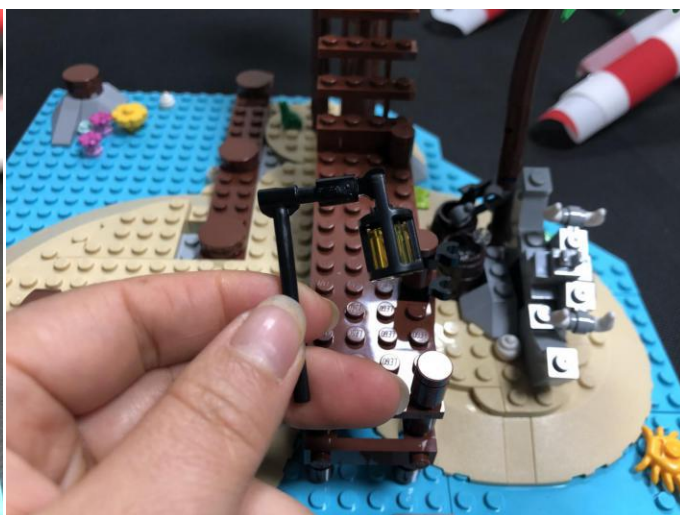
Take a 6-port expansion board, connect the connecting cable to it.



Stick the expansion board to the bottom of the ship as per below.



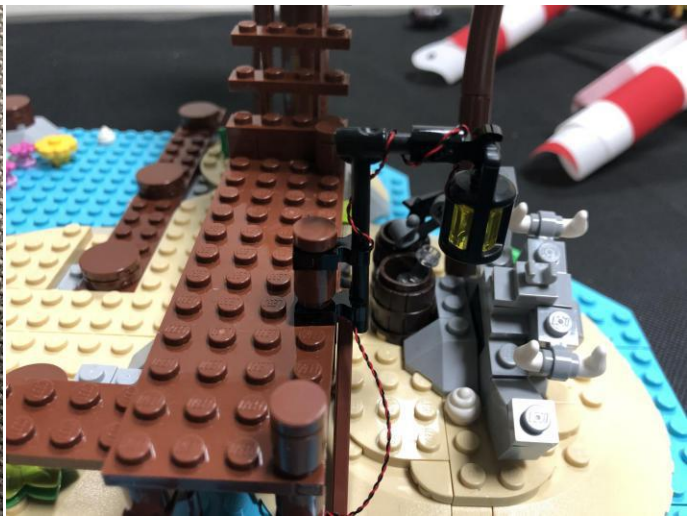
Continue to install light for the lamp behind the statue, remove the lamp, disassemble it as per below.



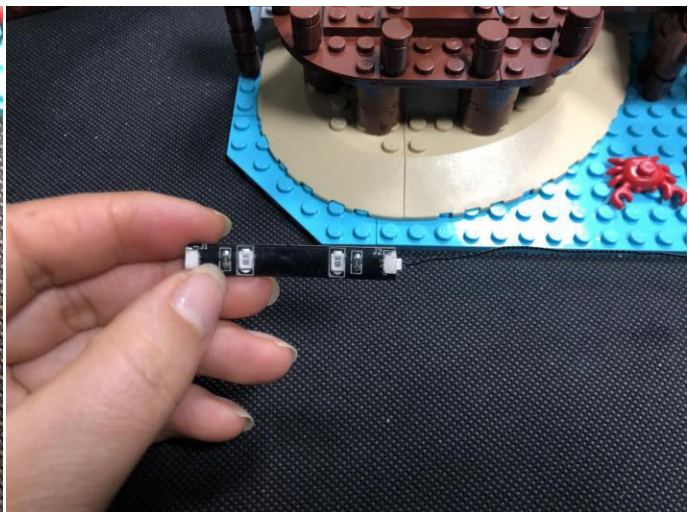




Take a warm white 15cm dot light, repeat the previous steps to install the light.

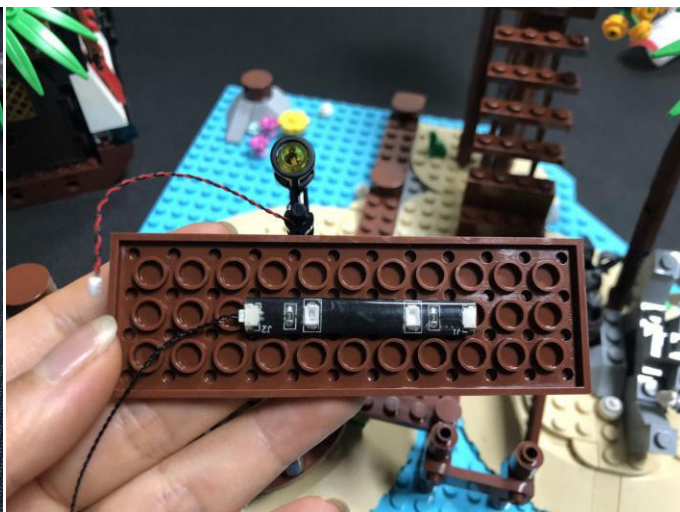


Take a blue strip light, a 15cm connecting cable, connect the connecting cable to the strip light.

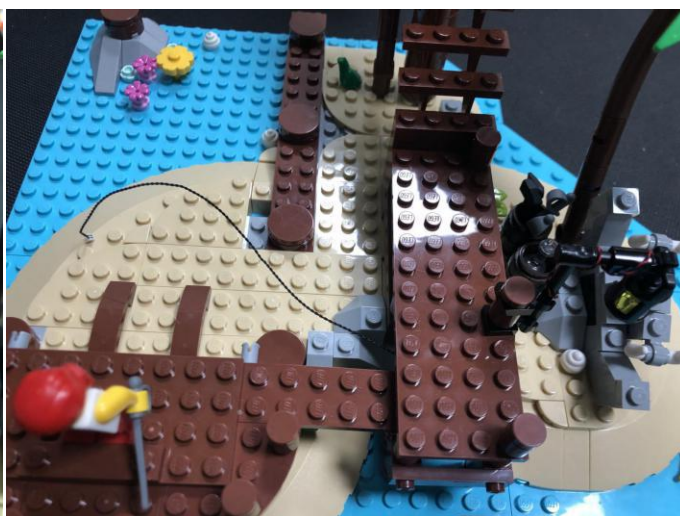
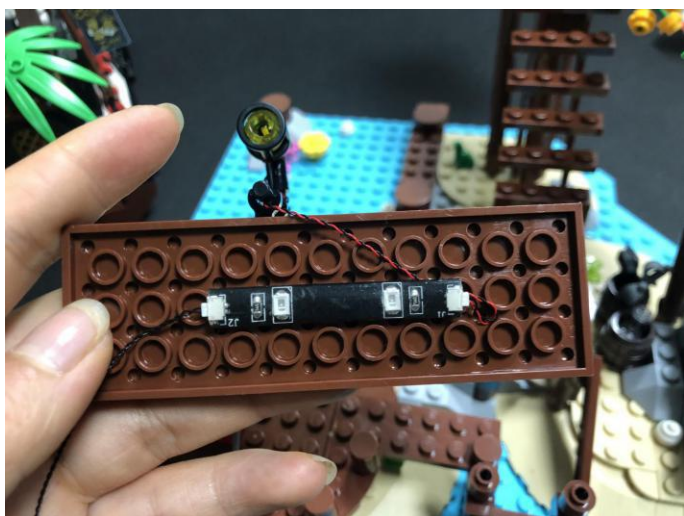


Remove the following brown 4x12 plate, stick the strip light to its back.





Connect the cable of the lamp to the other port of the strip light, reconnect the brown plate.



Take 2 blue strip lights, a 15cm connecting cable, connect the connecting cable to a strip light as per below.



Stick the strip light to the following place, thread the cable through the space underneath.

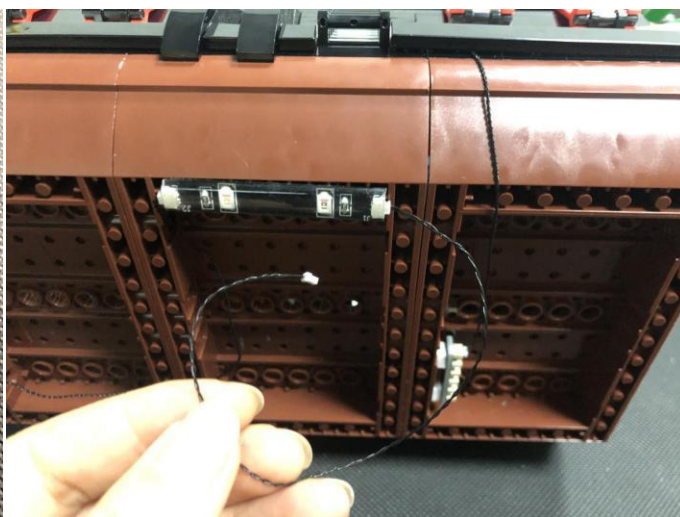




Connect the connecting cable to the other strip light, stick it to the following place.

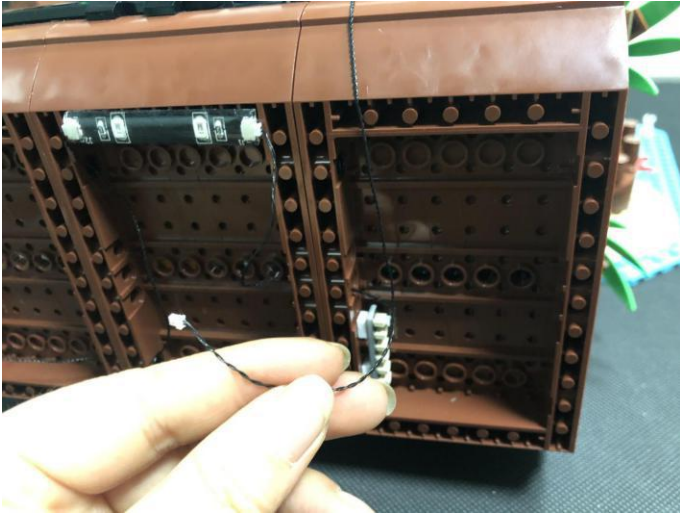


Take a 15cm connecting cable, connect it to the second strip light.



Thread the cable through the space underneath, wind it around the following piece.





Connect the connecting cable to the expansion board.



Connect the cable from the lamp to the expansion board underneath, reconnect the cabin.

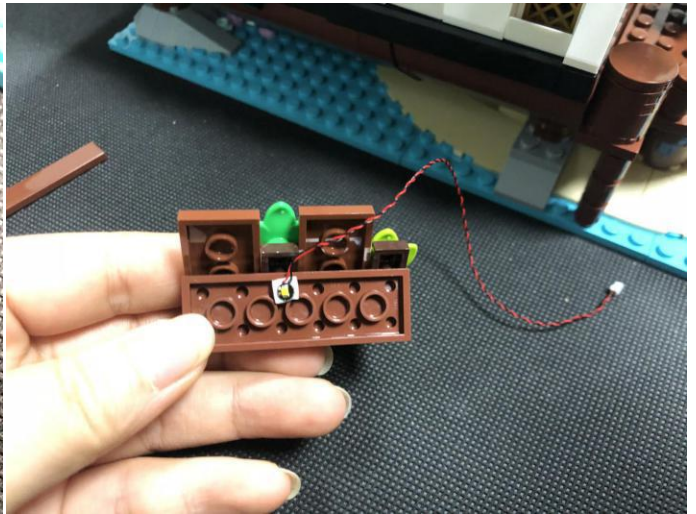


Continue to install lights for the following house, remove the roof.





Take a warm white 15cm dot light, stick it to the roof with adhesive square.

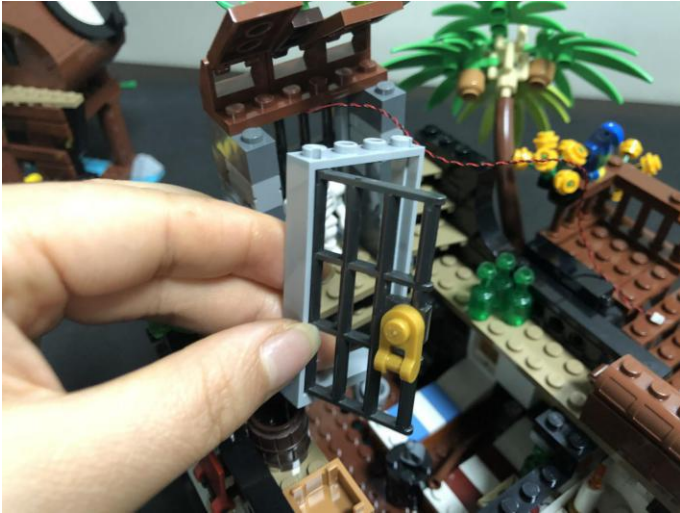


Reconnect the roof.



Remove the door, wind the cable around the following stud as per below.





Reconnect the door, thread the cable down and pull it out as per below.

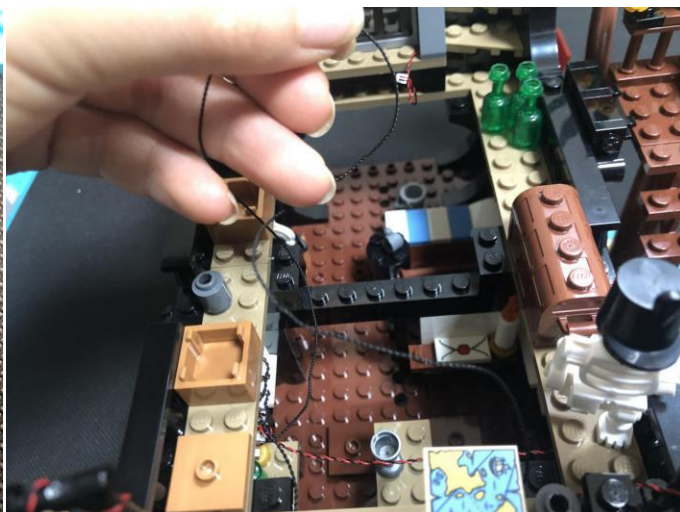


Reconnect the brown 1x6 plate, reconnect the roof.

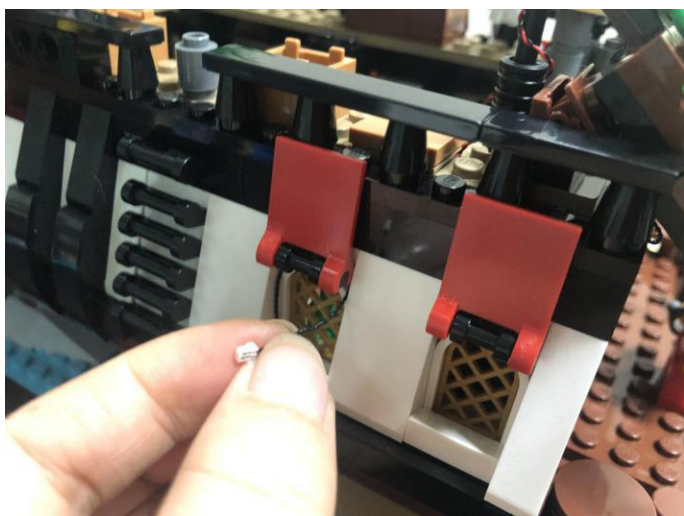


Take a 30cm connecting cable, connect it to the expansion board inside the cabin.

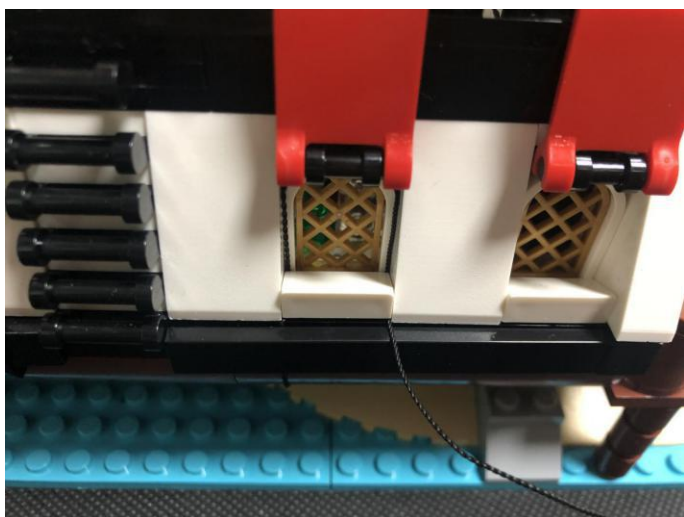




Pull the cable out from the window, remove the 1x2 white slope brick.



Reconnect the white brick to secure the cable.



Remove the following black plate, place the cable as per below, reconnect the black plate to secure the cable.





Take 2 warm white strip lights, two 5cm connecting cables, assemble them as per below.



Stick the following strip light to the deck.



Connect the cable from the house to the spare end of the strip light, reconnect the sail.

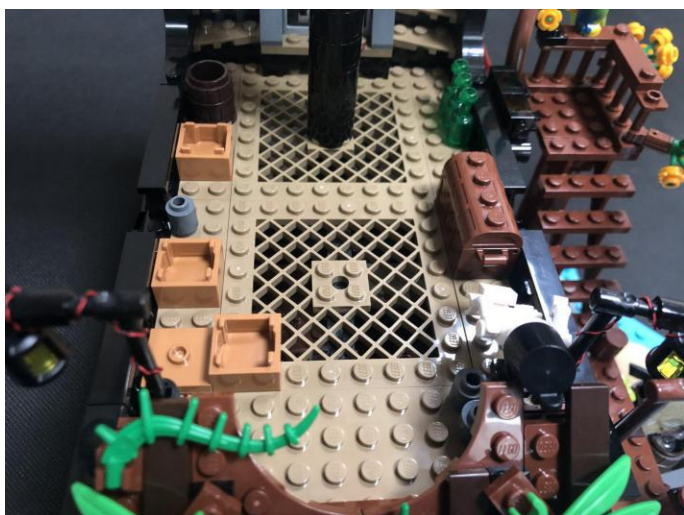




Connect the connecting cable from the other strip light to the expansion board, stick the strip light to the deck.

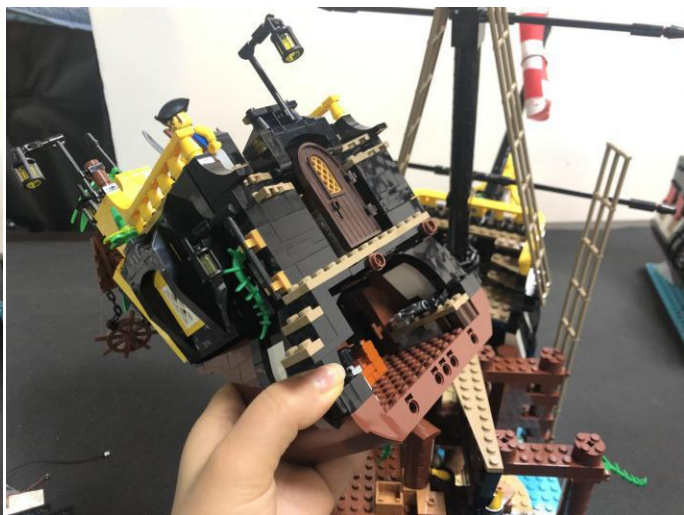


Reconnect the deck.



Now, we' ll install the other half of the ship, remove the cabin.





Remove the following lamp.

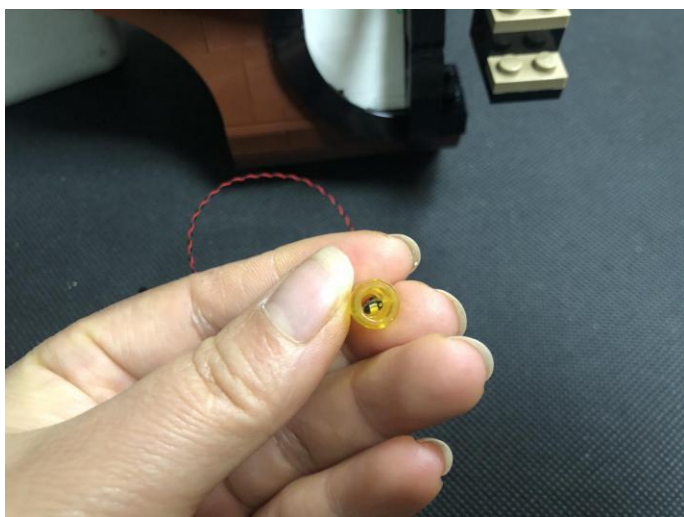


Disassemble the lamp.



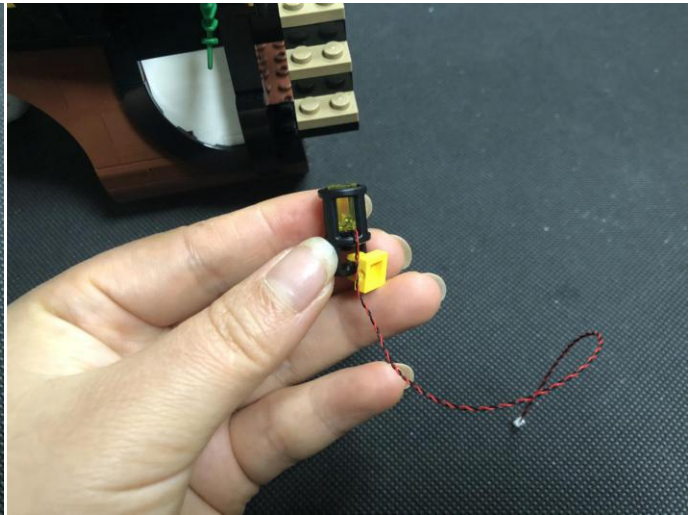


Take a warm white 15cm dot light, a 1x1 black round plate with hole. Thread the cable through the trans yellow lampshade, pull the cable out till the light is placed inside as per below.



Thread the cable through the black lampshade, reconnect the trans yellow lampshade.





Connect the black round plate to the lampshade, reconnect the lampshade.

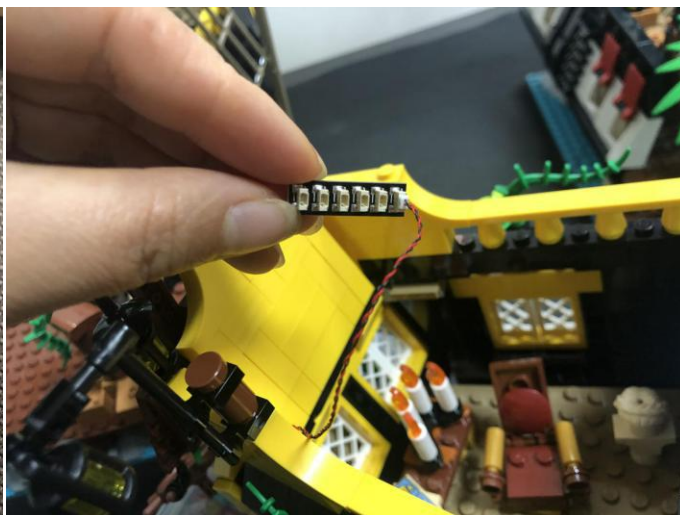


Reconnect the lamp.



Take a 6-port expansion board, connect the cable of the lamp to it. remove the deck.





Place the cable as per below. Stick the expansion board to the following place.



Take a warm white 30cm dot light, a black 1x1 round plate with hole. Repeat the steps above to install the light.

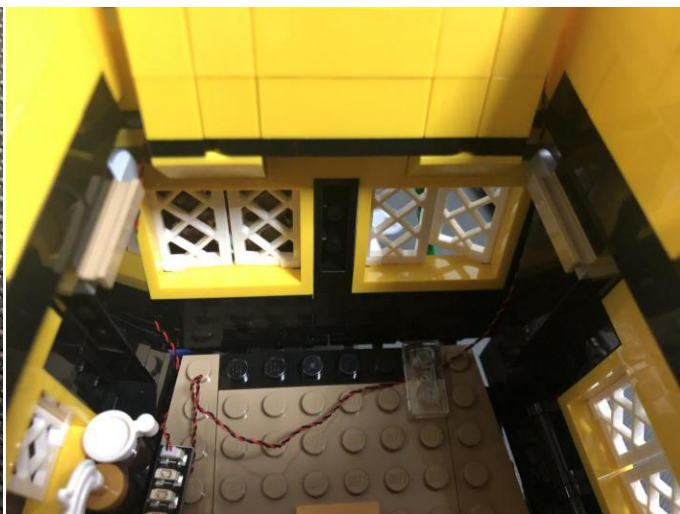


Remove the desk, place the cable along the wall as per below.

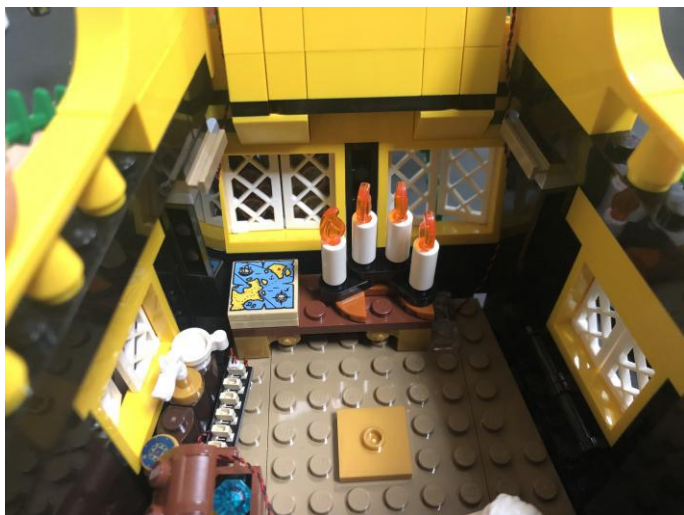




Take a trans 1x2 plate to secure the cable.



Reconnect the desk, connect the cable of the light to the expansion board.



Tuck excess cable inside the following space.





Continue to install lamp at the left, remove the lamp, disassemble it.



Take a 30cm warm white dot light, repeat the previous steps to install the light.





Wind the cable around the post several times as per below.



Wind the cable around the stud, reconnect the lamp to secure the cable.



Connect the cable to the expansion board.

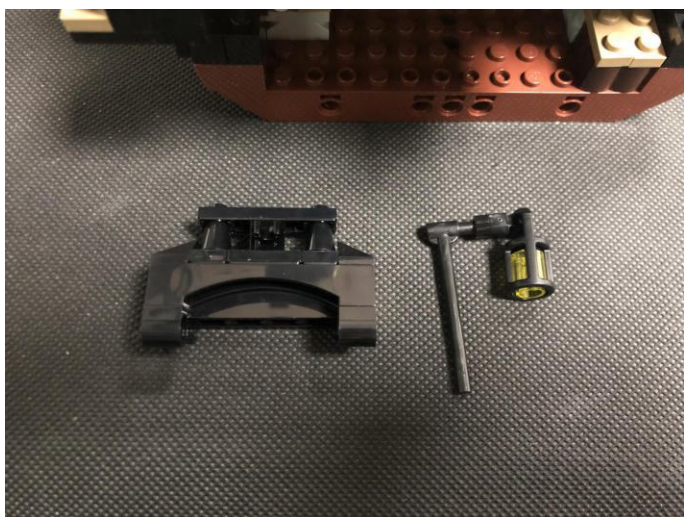




Move onto installing light over the door. Remove the lamp.

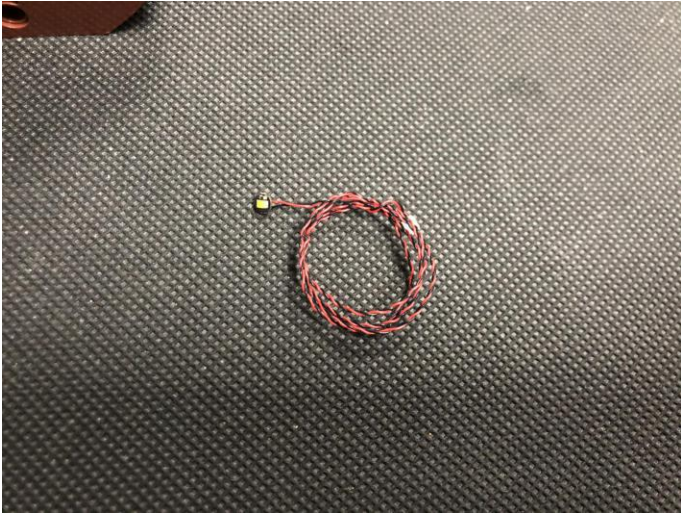


Disassemble it.

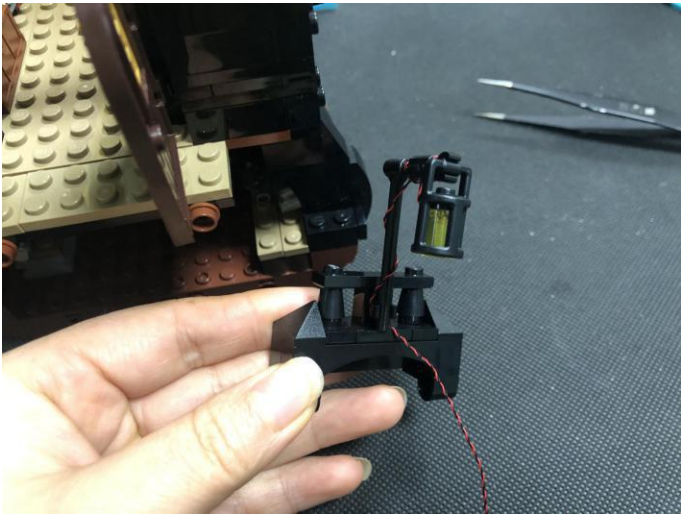


Take a warm white 30cm dot light, installing the light as we did before.





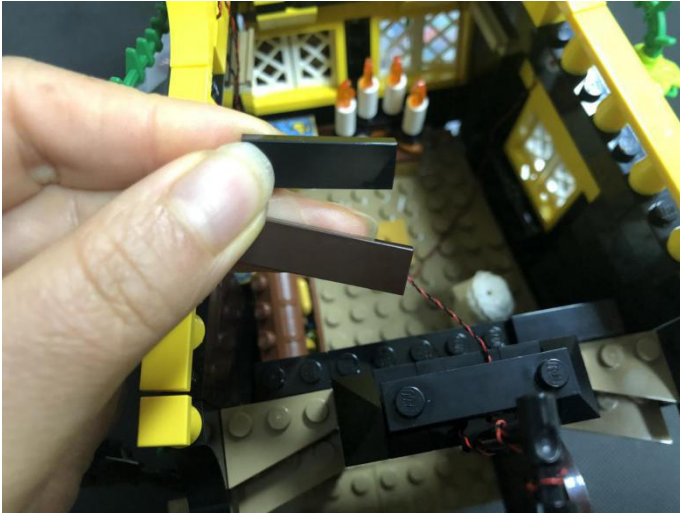
Wind the cable around the lamp post several times, pull the cable backward.



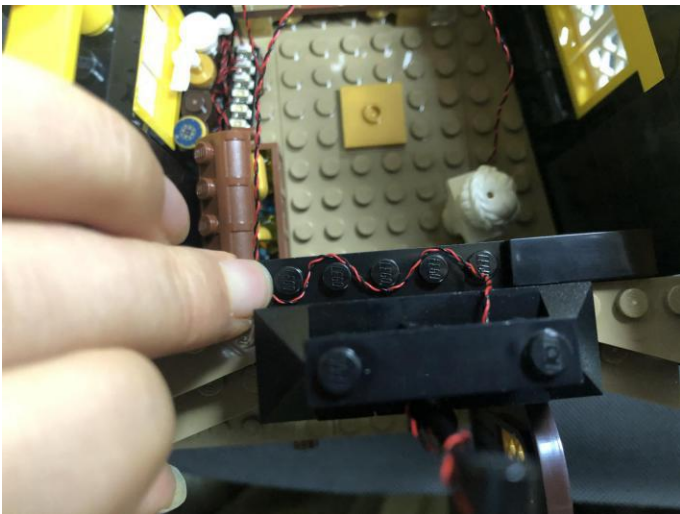
Reconnect the pieces we removed before.



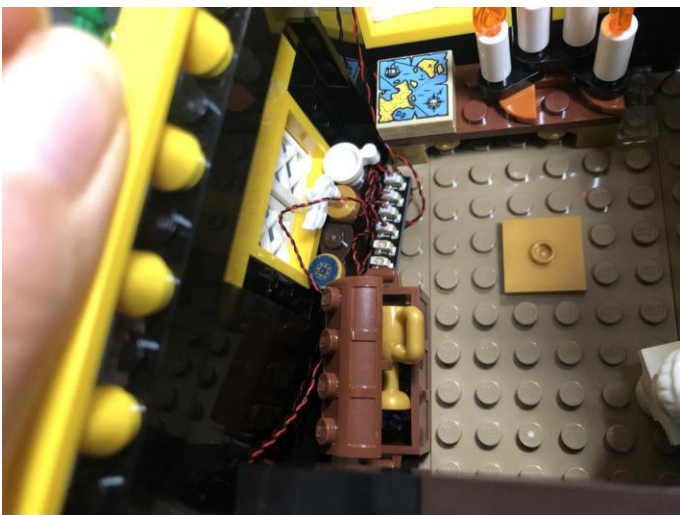
Remove the black plate and the brown plate from the beam as per below.



Place the cable in “S” line, reconnect the 2 plates to secure the cable.

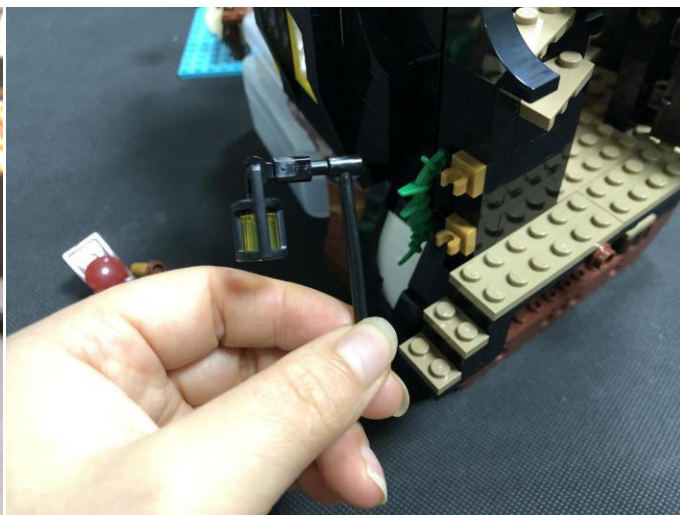
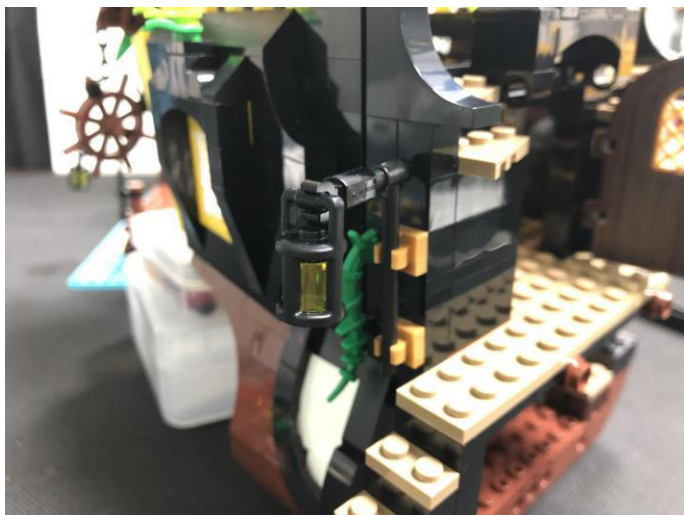


Connect the cable to the expansion board, hide excess cable behind the box.



Move onto installing light for the lamp beside the door. Remove the lamp, disassemble it.





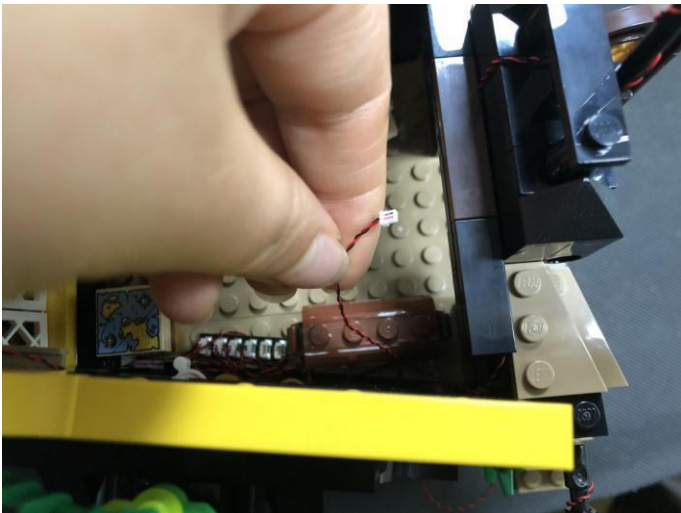
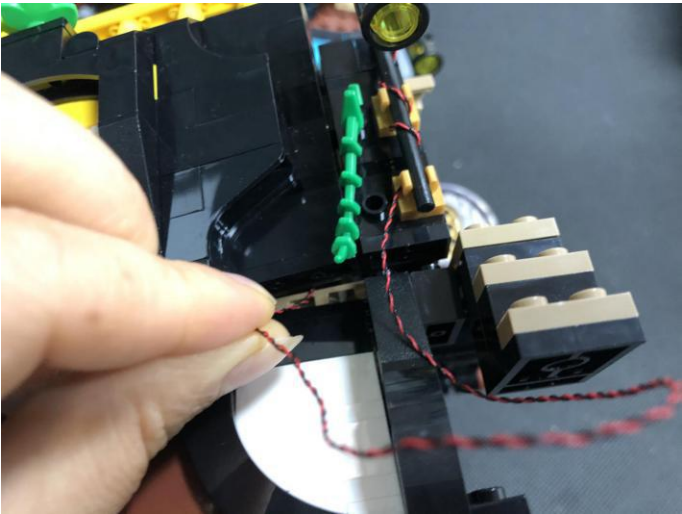
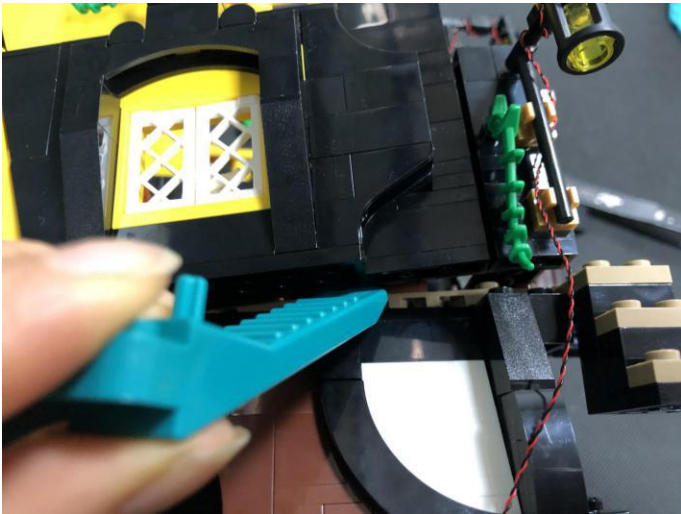
Take a warm white 30cm dot light, repeat the steps above to install the light.



Reconnect the lamp, wind the cable around the post several times.

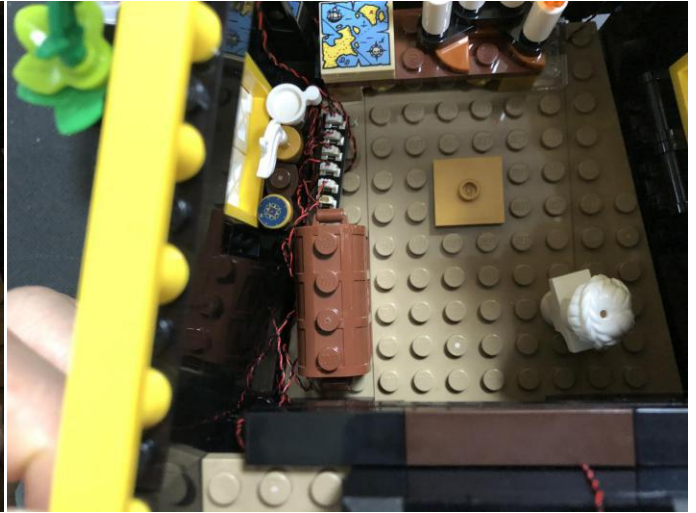
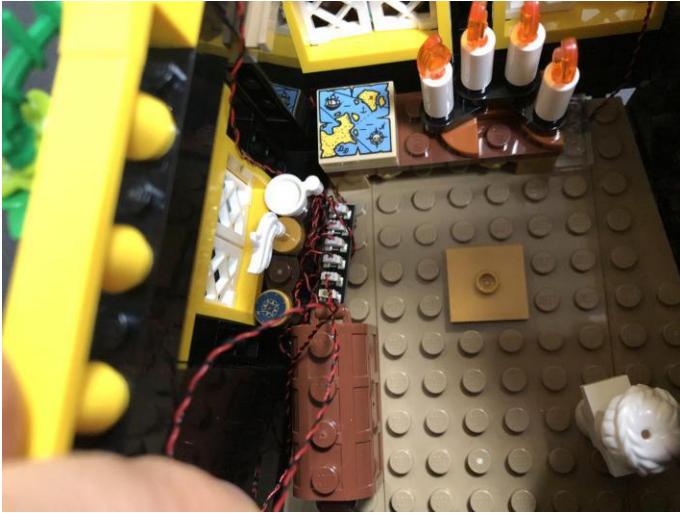


Lift the following piece, thread the cable through the space to the inside.

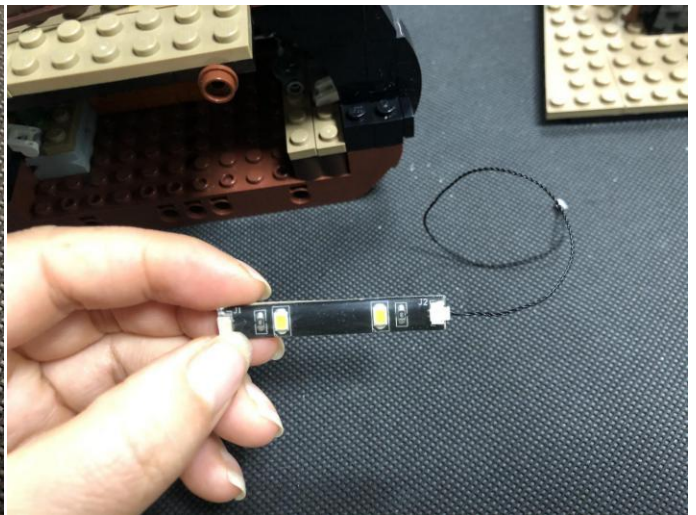


Connect the cable to the expansion board, tuck excess cable behind the box.





Take a warm white strip light, a 15cm connecting cable, connect the connecting cable to the strip light.

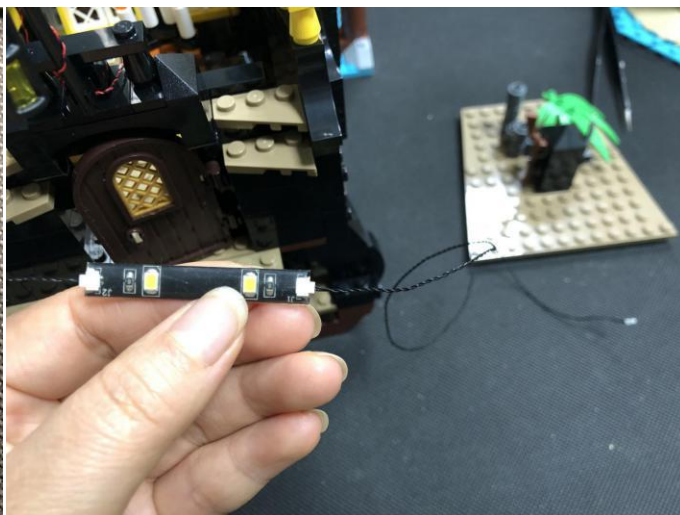


Connect the other end of the connecting cable to the expansion board.

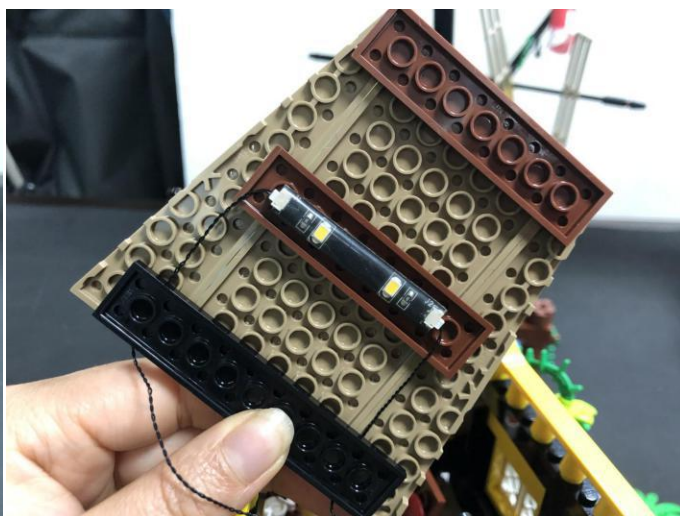


Take a 30cm connecting cable, connect it to the spare port of the strip light.





Stick the strip light to the deck, secure the 2 cables with black plate as per below.

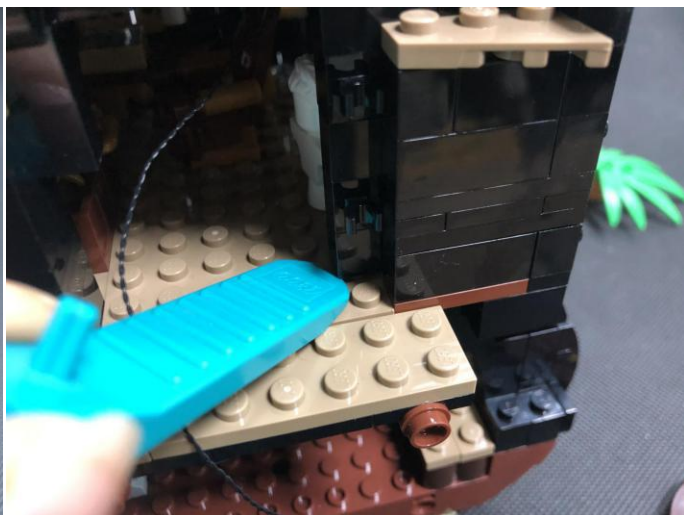


Thread the 30cm connecting cable through the crack to the inside. Reconnect the top of the deck.



Remove the door, lift the following piece as per below.





Fix the connecting cable to the following space, reconnect the piece.

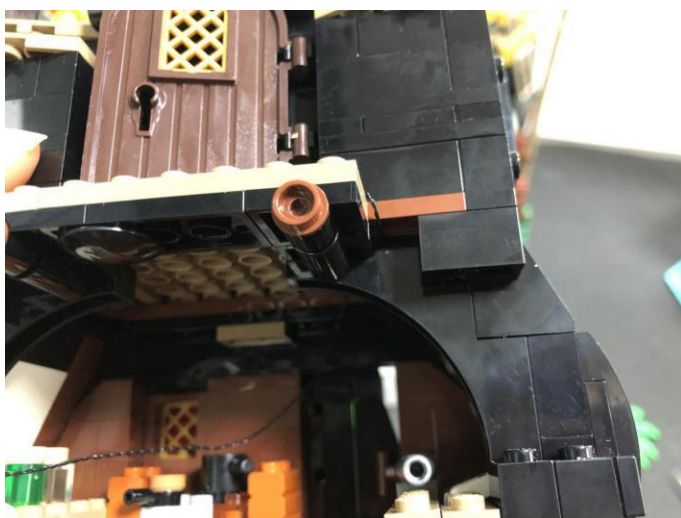
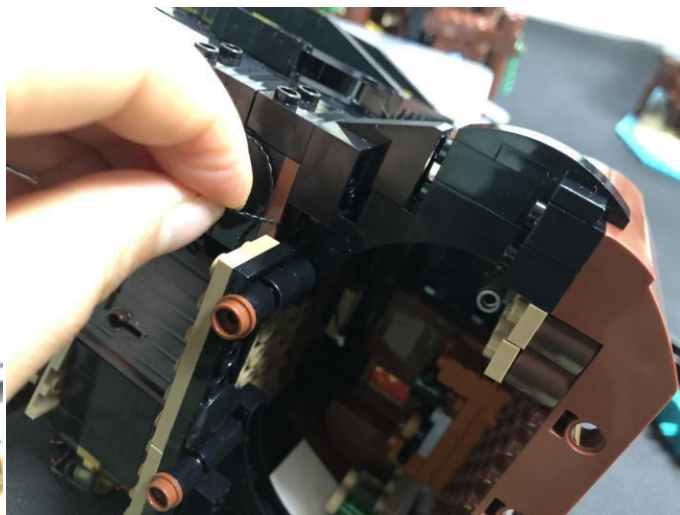


Reconnect the door.

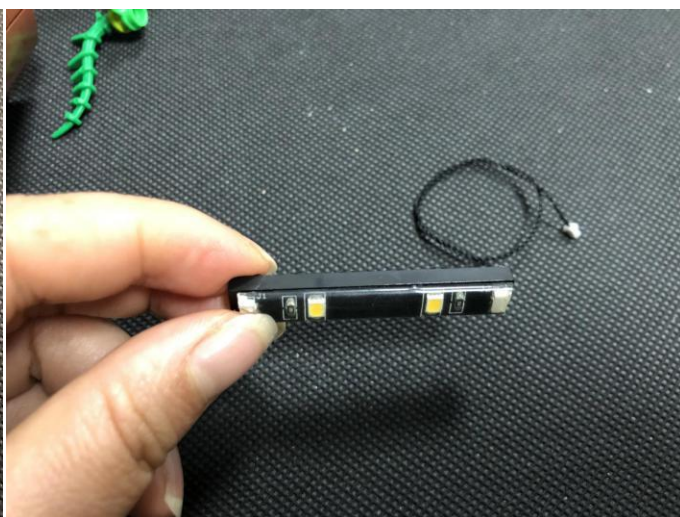


Lift the following piece, thread the connecting cable through the space to the kitchen.



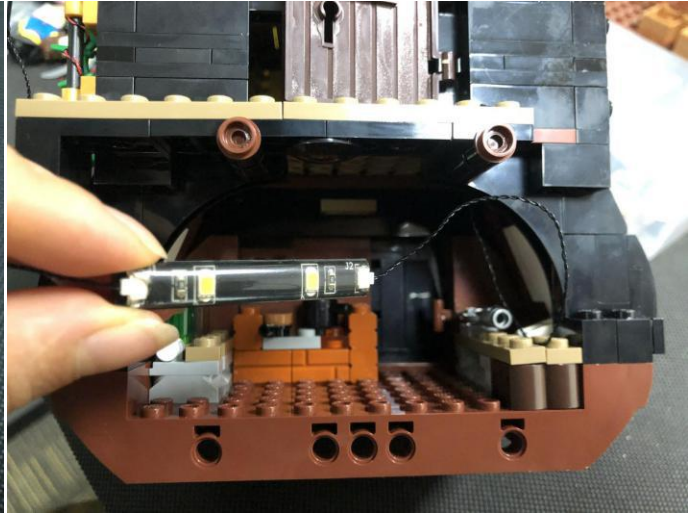


Take a warm white strip light, a 15cm connecting cable, a black 1x6 plate, stick the strip light to the plate.



Connect the connecting cable to the strip light, connect the following connecting cable to the spare end of the strip light.

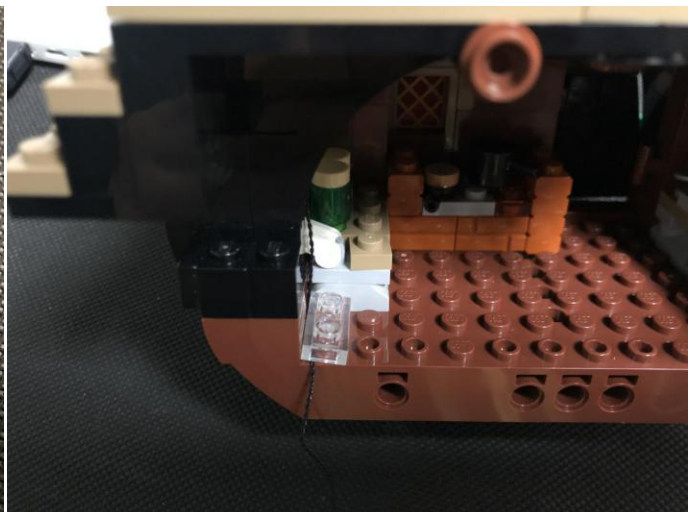




Stick the strip light to the roof of the kitchen(tuck excess cables underneath the plate) as per below.

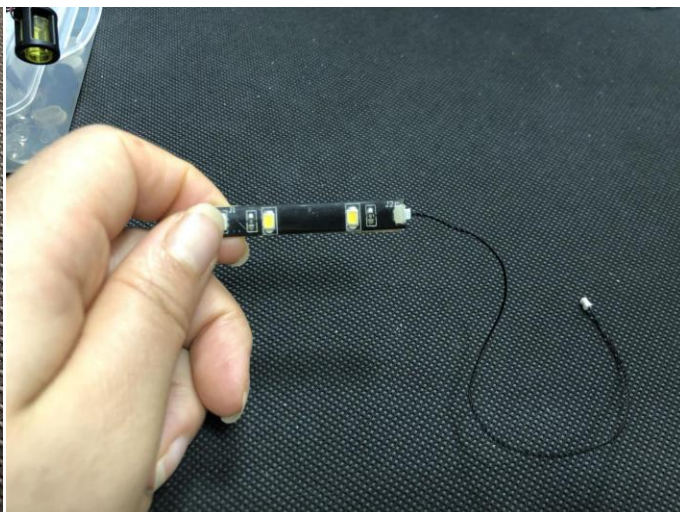


Take a trans 1x2 plate, secure the 15cm connecting cable with the plate.



Take a warm white strip light, a 15cm connecting cable, connect the connecting cable to the strip light.

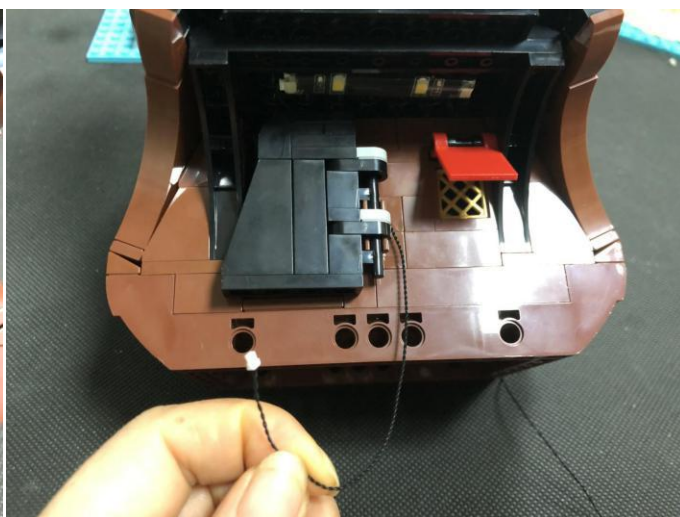




Stick the strip light over the door as per below.



Open the door, pull the cable to the right and place the it as per below.



Thread the connecting cable through the following space underneath the door.





Continue to install lights for the rails.



Remove the lamp and disassemble it.



Take a warm white 15cm dot light, repeat the steps above to install the light.





Wind the cable around the post several times as per below.

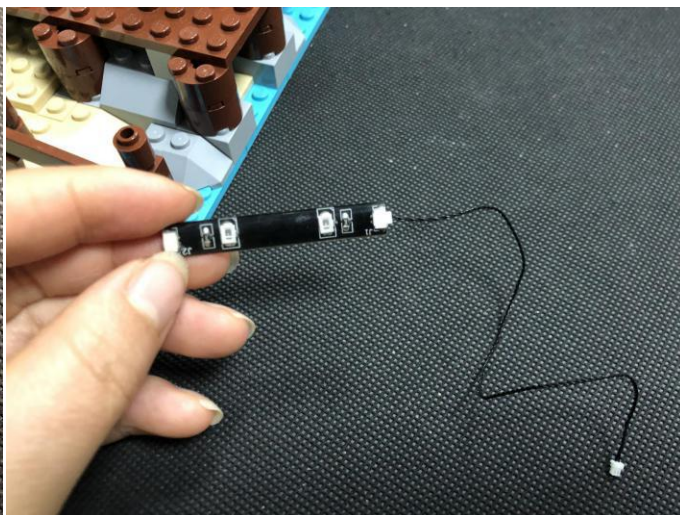


Remove the following brown 4x12 plate.

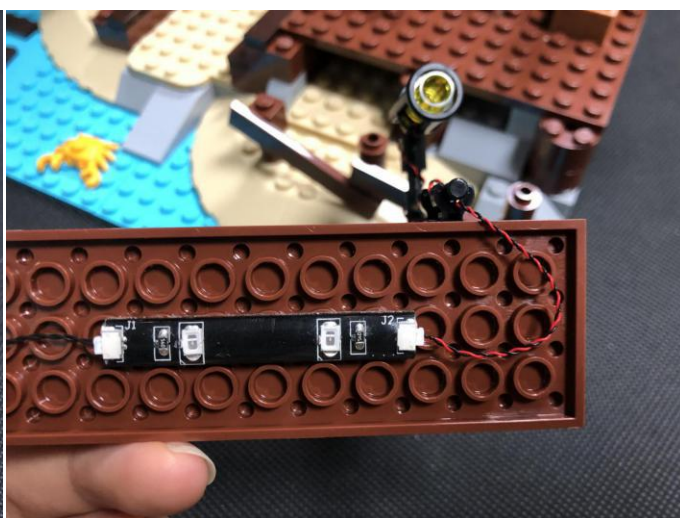


Take a blue strip light, a 15cm connecting cable, connect the connecting cable to the strip light.





Stick the strip light to the plate, connect the other end of the cable from the lamp to the strip light.

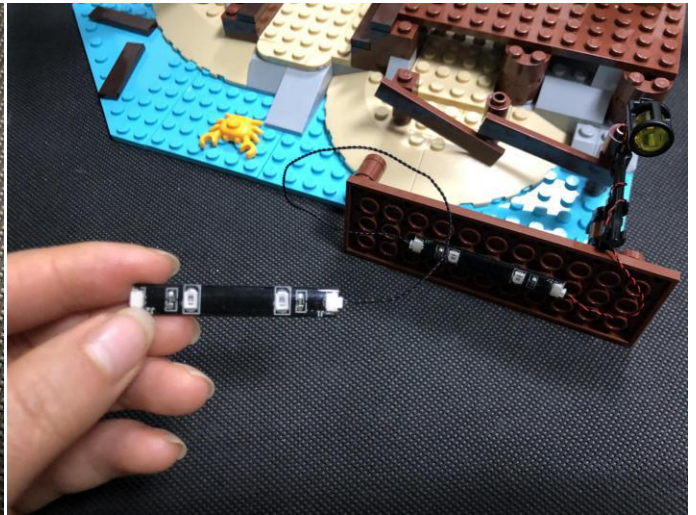


Disconnect the following pieces.

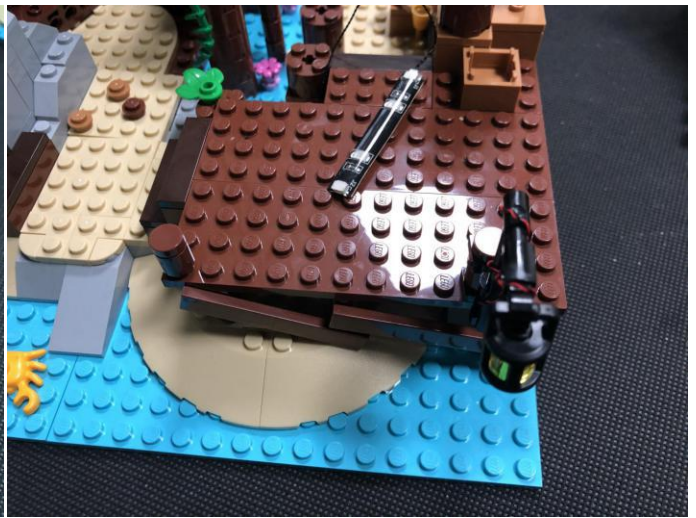


Take a blue strip light, connect the connecting cable from the previous strip light to the blue strip light.

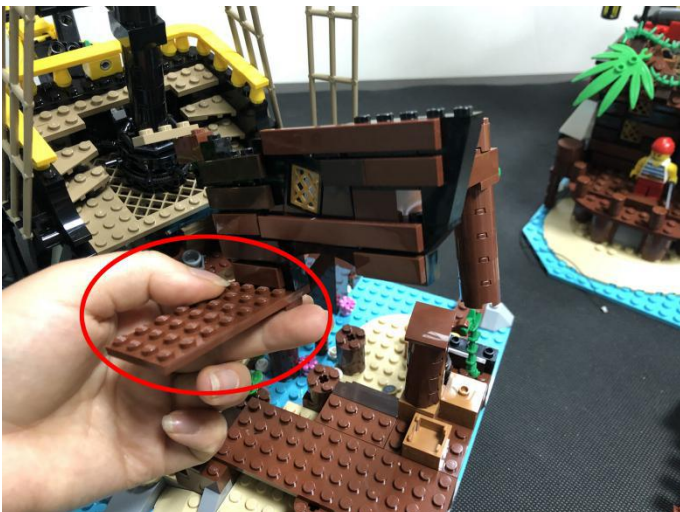




Thread the strip light through the bridge opening, reconnect the 4x12 brown plate as per below.

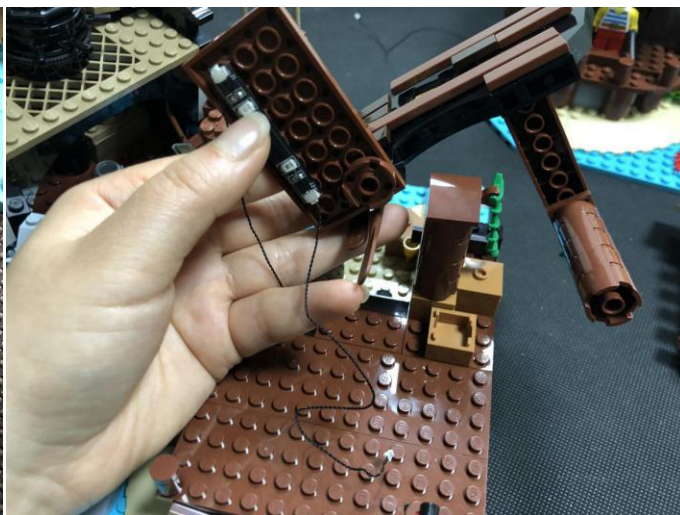


Stick the other strip light to the following plate.



Take a 15cm connecting cable, connect it to the strip light.





Reconnect the pieces we removed before.



Take a 6-port expansion board, connect the connecting cable from the second floor to it.



Stick the strip light to the following place with adhesive squares.





Connect the connecting cable from the kitchen to the expansion board.



Thread the connecting cable from the bottom of the bridge through the following space, connect it to the expansion board.

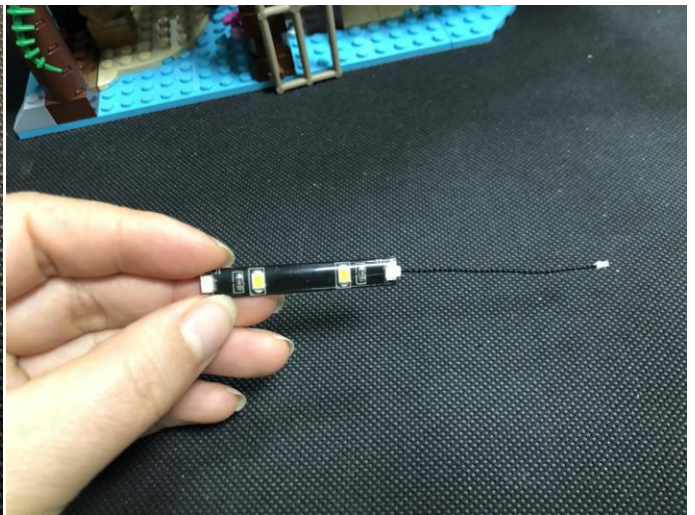
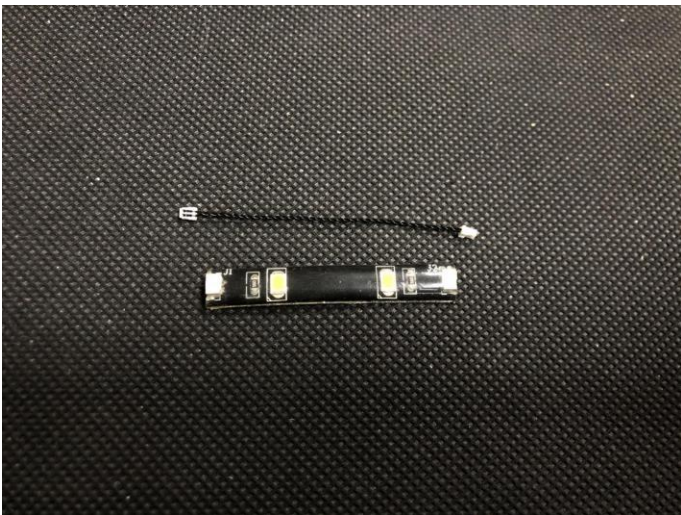


Reconnect the cabin.

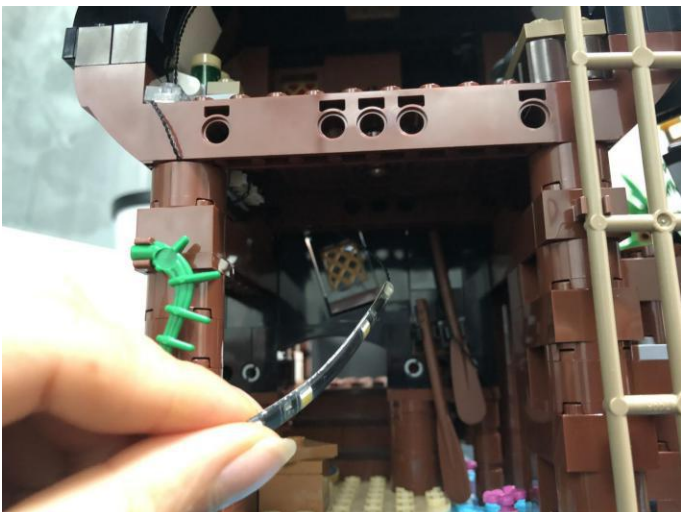




Take a warm white strip light, a 5cm connecting cable, connect the connecting cable to the strip light.

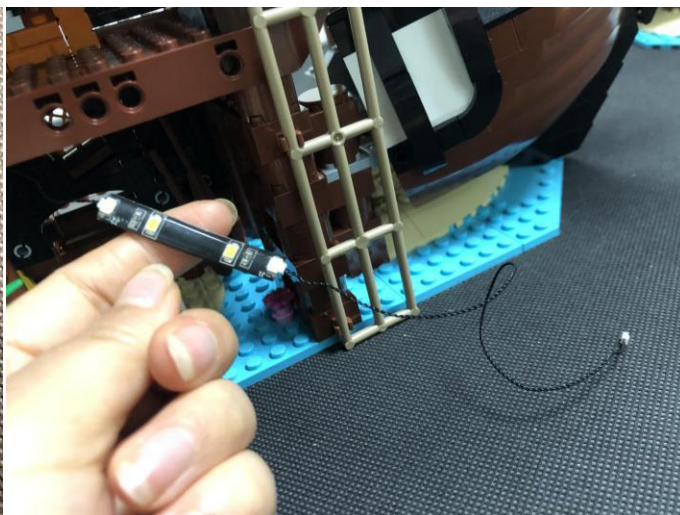


Connect the connecting cable from the strip light to the expansion board.

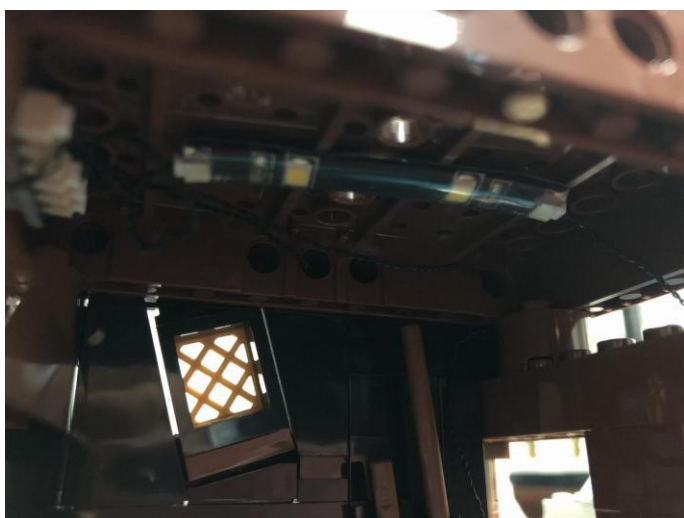


Take a 15cm connecting cable, connect it to the spare port of the strip light.



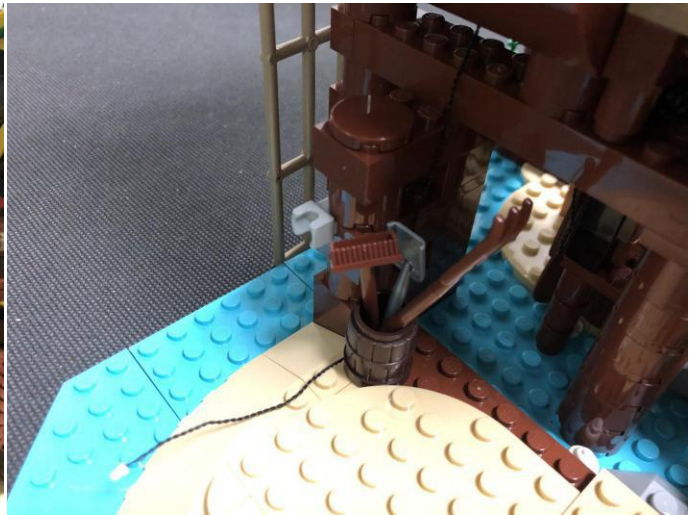
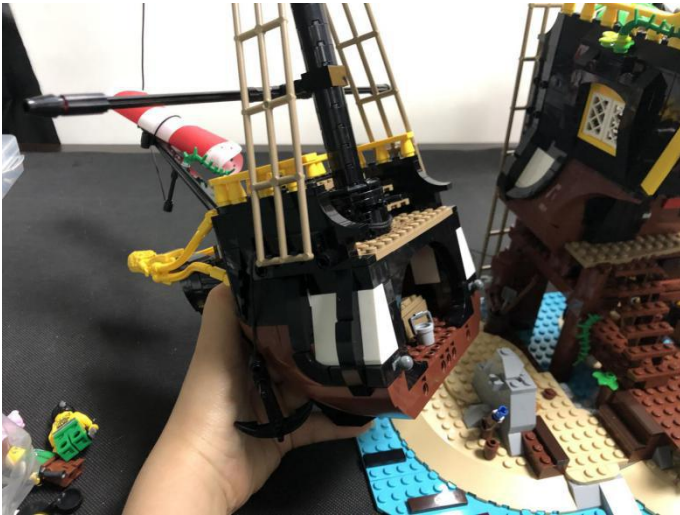


Stick the strip light to the roof of the first floor, thread the 15cm connecting cable through the following space to the ladder.

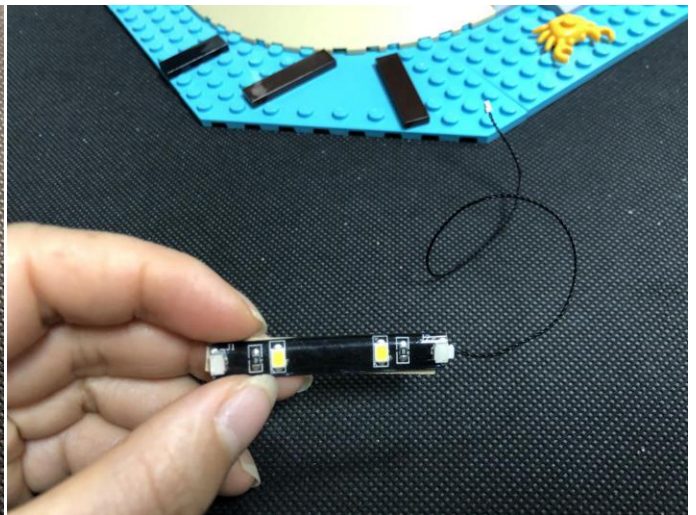


Remove the head of the ship.

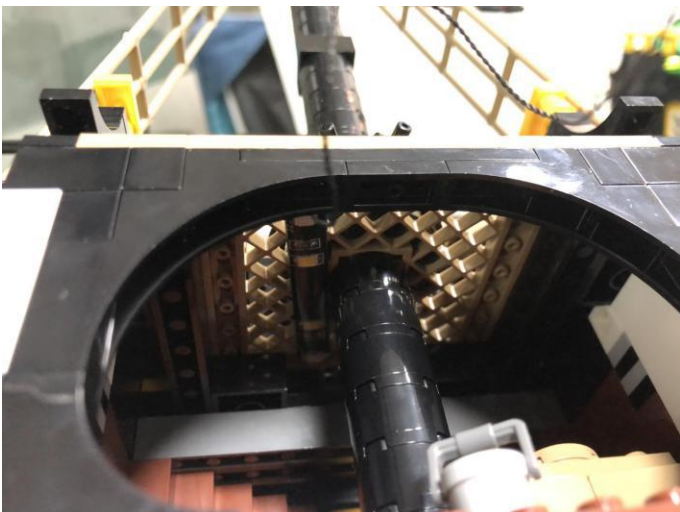




Take a warm white strip light, a 15cm connecting cable, connect the connecting cable to the strip light.

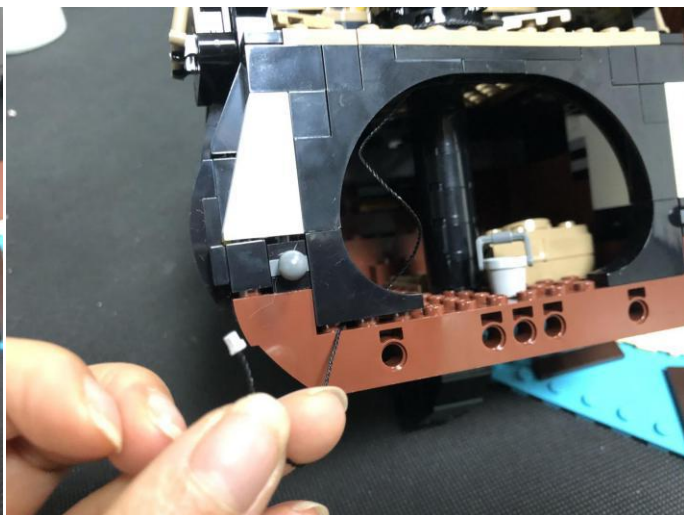
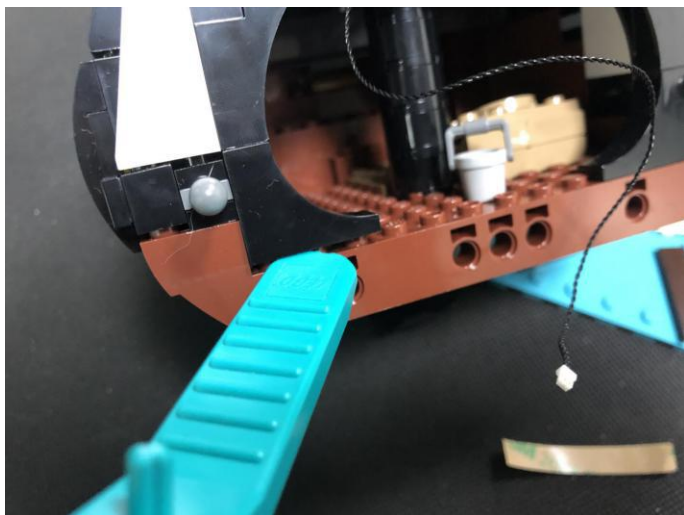


Stick the strip light to the following place.

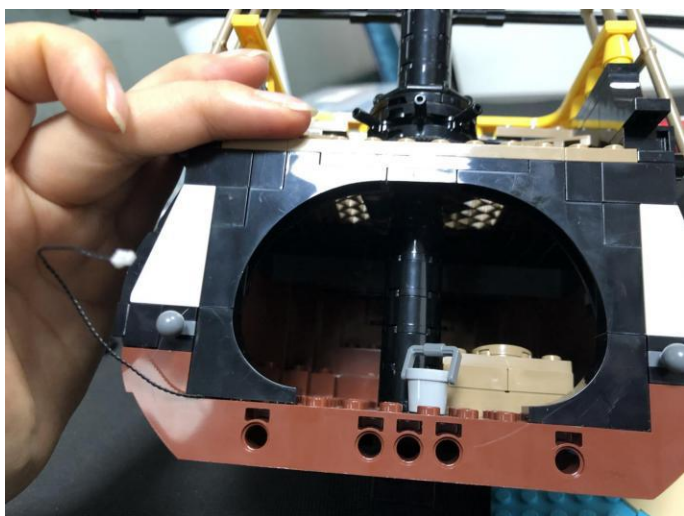


Lift the following piece, thread the connecting cable through the space as per below.





Reconnect the piece we lifted before.



Take a 6-port expansion board, connect the connecting cable to it.

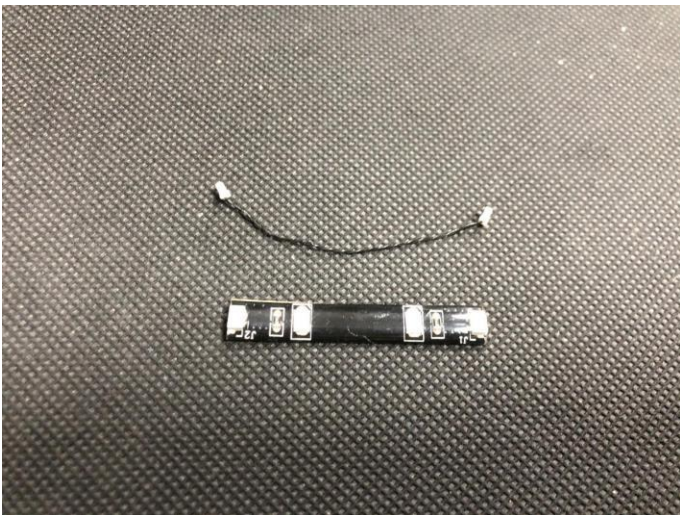


Stick the expansion board to the bottom of the ship with adhesive squares.

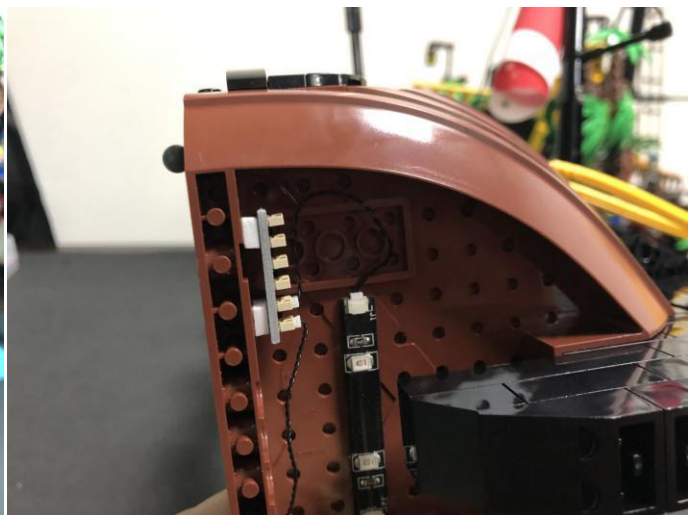
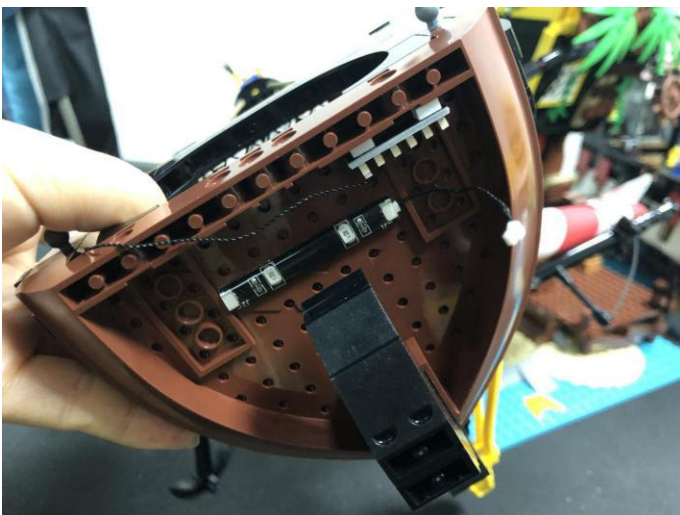




Take a blue strip light, a 5cm connecting cable, connect the connecting cable to the strip light.

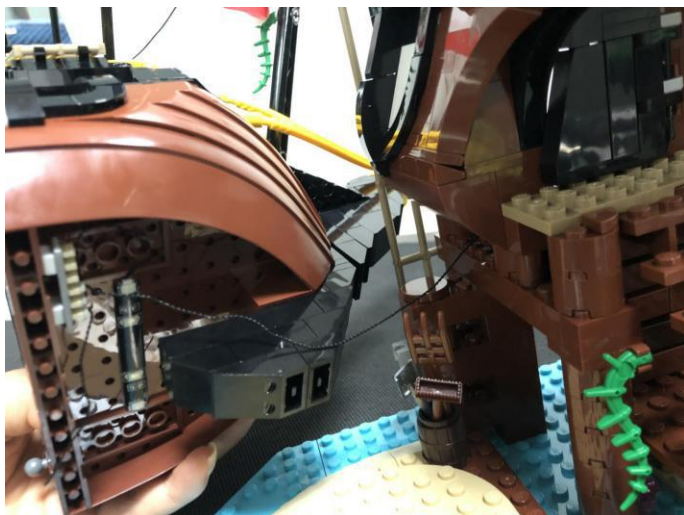


Stick the strip light to the bottom of the ship, connect the cable from the strip light to the expansion board.

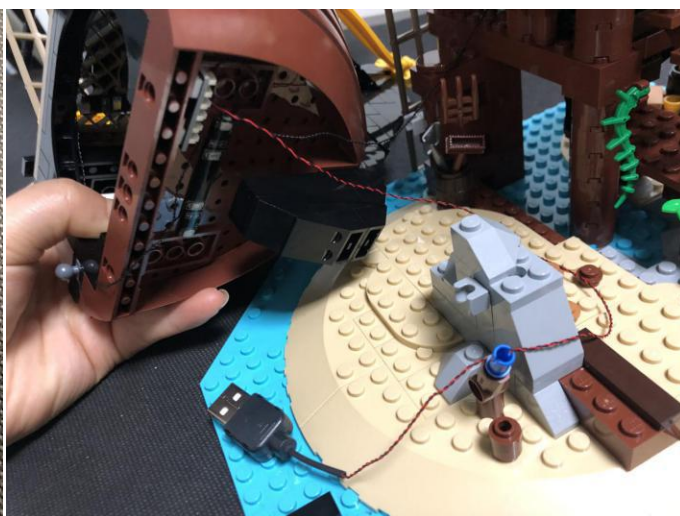


Connect the following connecting cable to the expansion board.

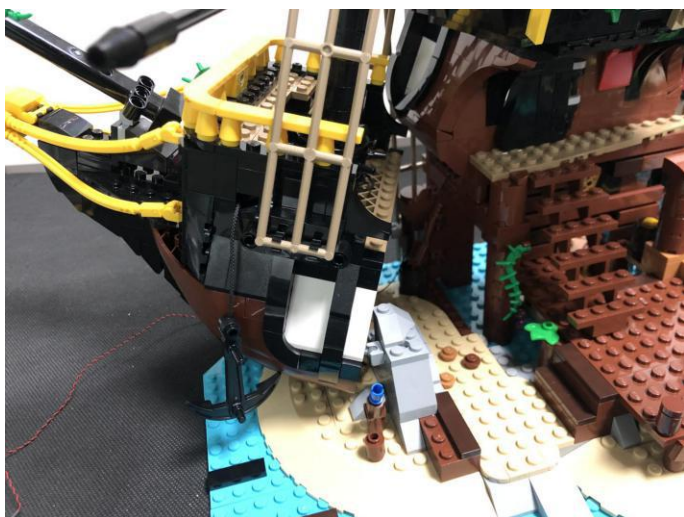




Take the USB cable, connect it to the expansion board.

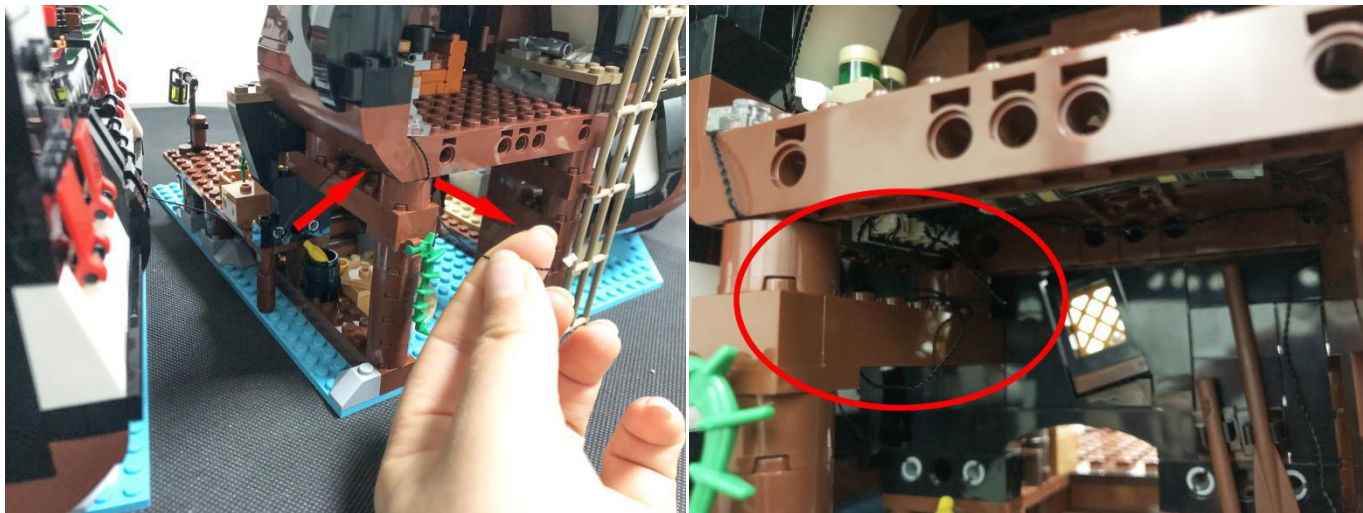


Reconnect the head of the ship.



Thread the connecting cable from the first cabin through the following space, wind it around the following piece before connect it to the expansion board underneath the kitchen.





This completes installation of this LED Lighting Kit.



ENJOY!