

# NINJAGO, DESTINY'S BOUNTY #70618 Advanced version LED light

## Package contents:

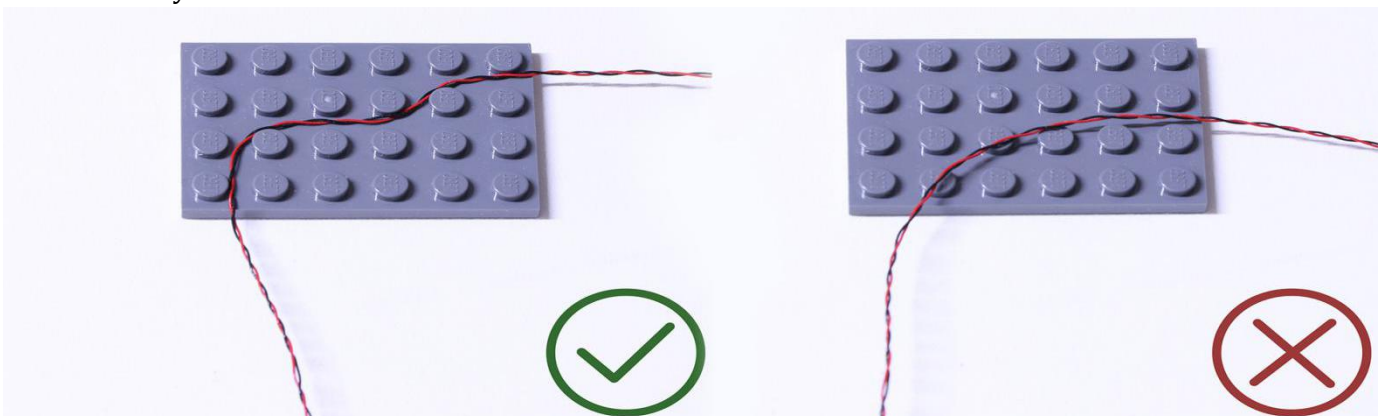
- 17x 30cm Warm White Dot Lights
- 2 x 15cm Multi Colour Changing Light Strings
- 3x Warm White Strip Lights
- 4x Blue Strip Lights
- 1x6-port Expansion Boards
- 1x8-port Expansion Boards
- 1 x 12-port Expansion Boards
- 1x30cm Connecting Cable
- 6x15cm Connecting Cables
- 2x5cm Connecting Cables
- 1x AA Battery Pack
- 12x Adhesive Squares

Extra LEGO pieces

## Note:

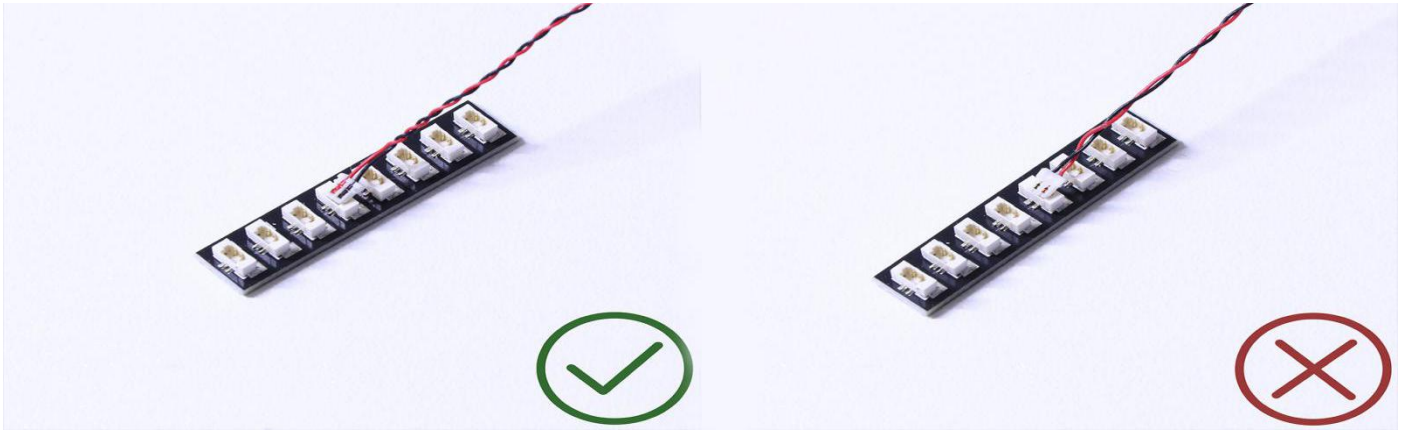
Place wires on the surface or under the LEGO building blocks.

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

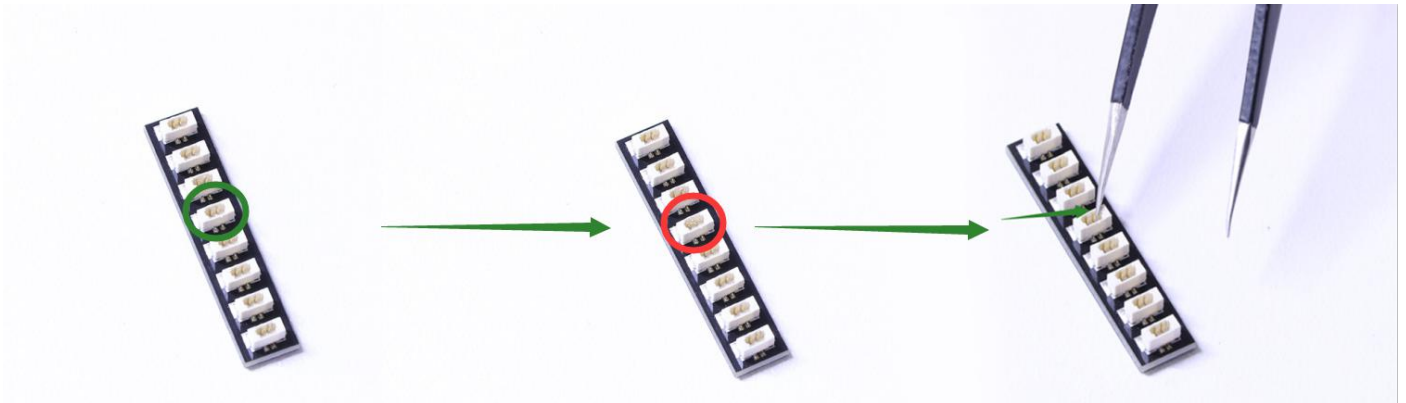


Insert the connectors to the ports.

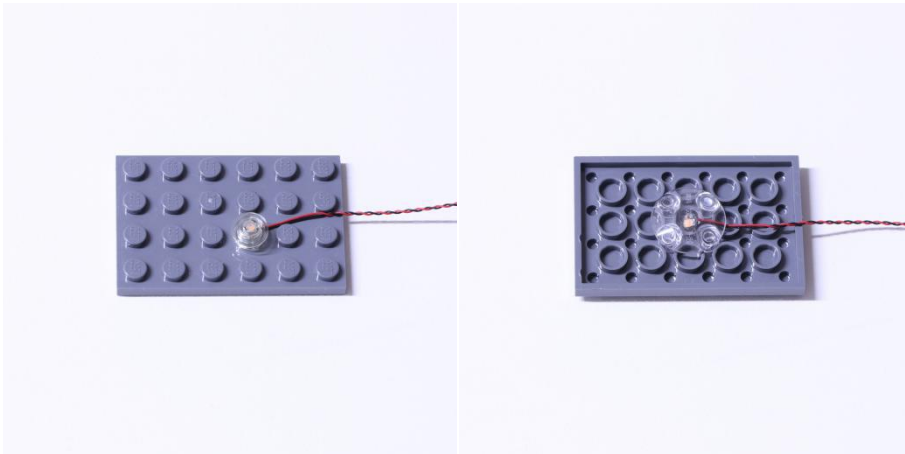
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

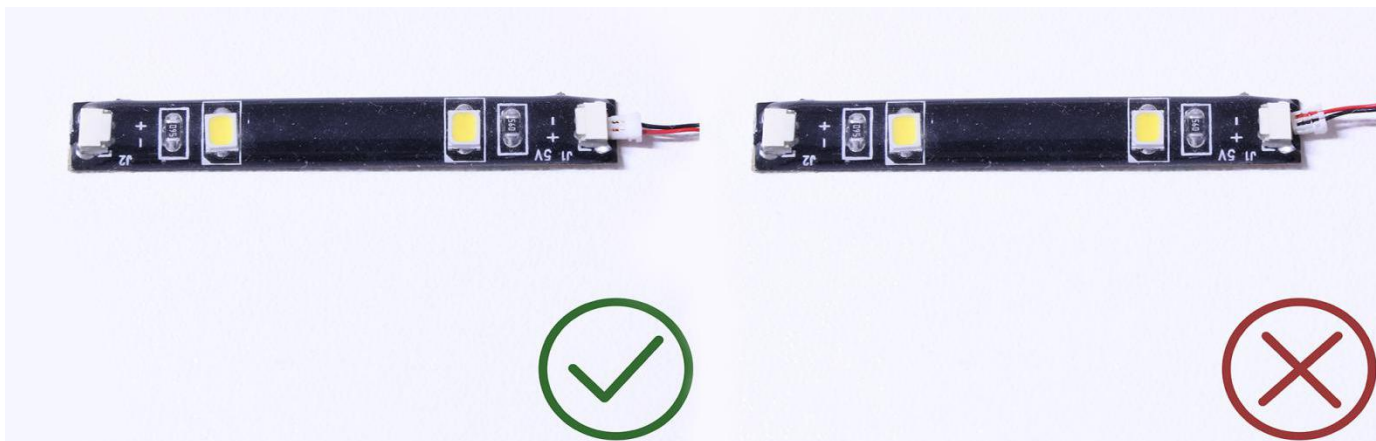


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

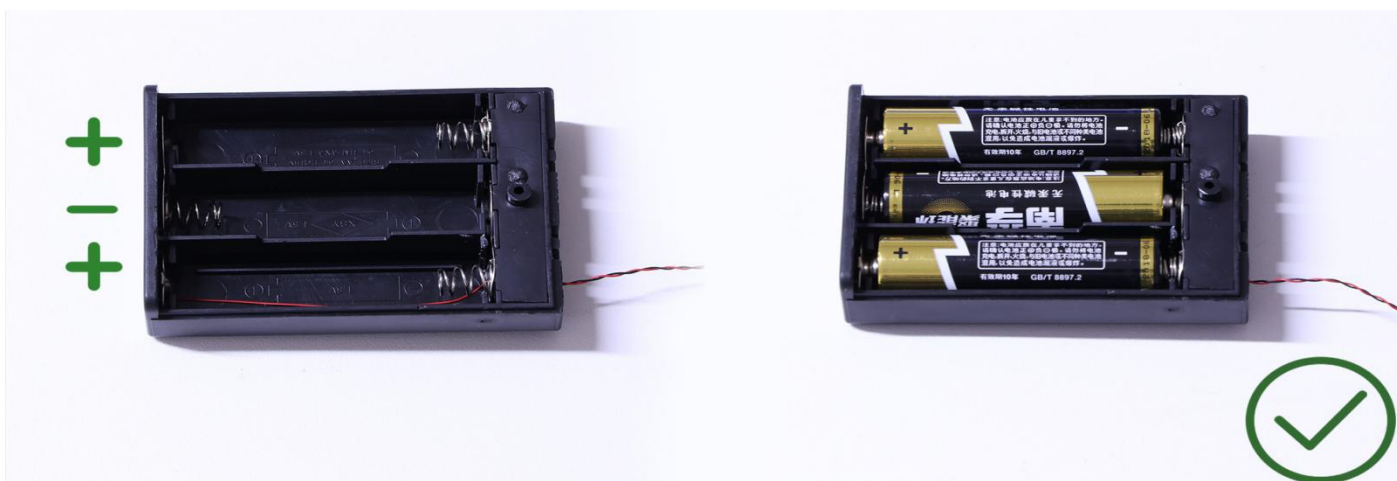


## Connecting cable connectors to Strip Lights

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!



## Instructions for installing this kit

1) first, remove the following baseplate



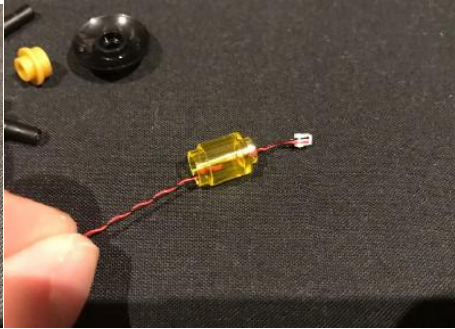
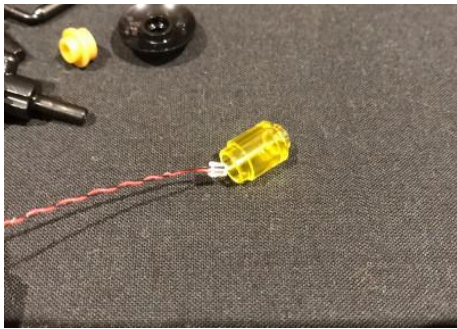
2) start from installing lights for the mast. Remove the following light and disassemble it



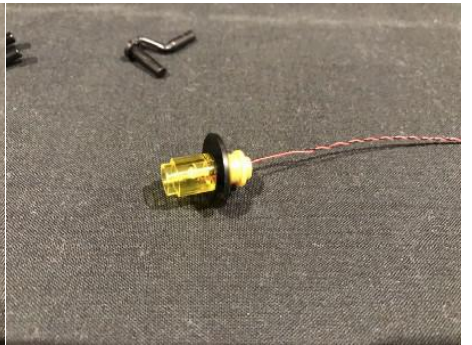




3) thread the connector of the warm white 30cm dot light through the trans yellow brick, pull the cable out till the light is inside the brick



Thread the cable through the black lampshade and the golden round piece

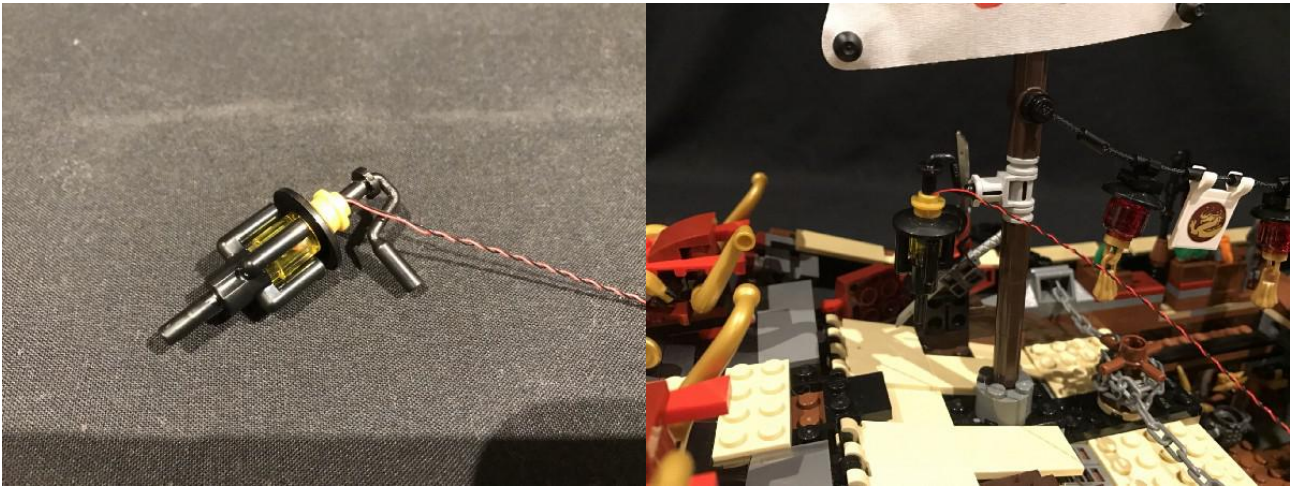


Push the lampshade to help to reconnect the black hook. Note: don't push too hard  
As per below



Reconnect the pieces under the light, reconnect the light back to the mast.

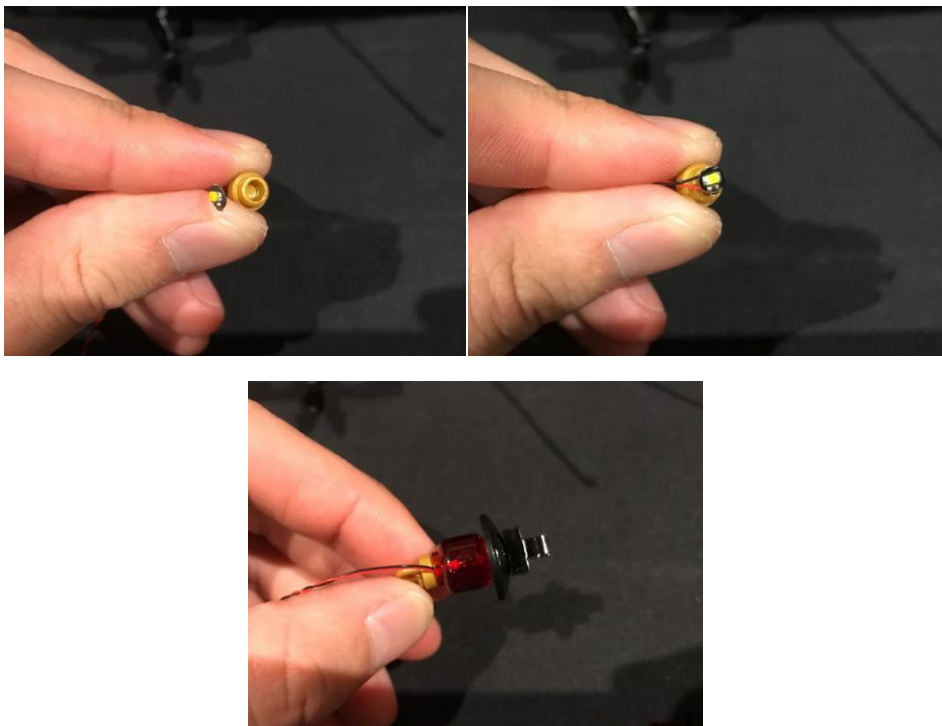




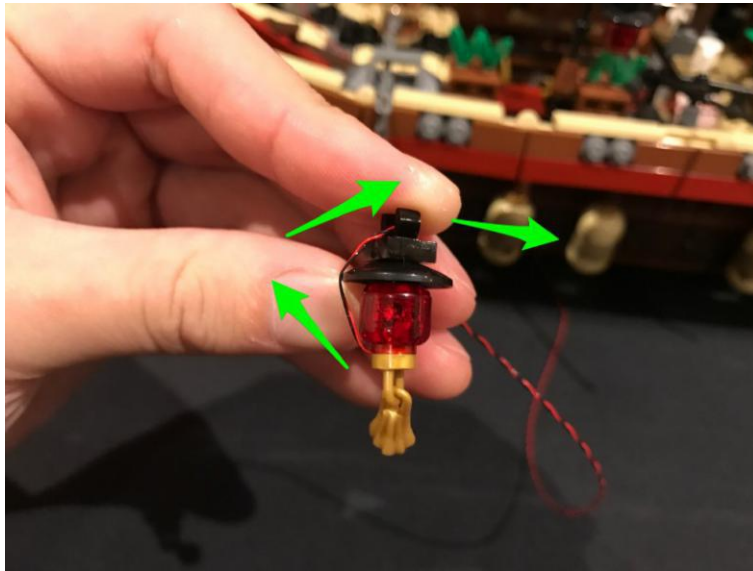
4) then, we' ll install the light at the middle place. Reconnect the following light, disconnect the golden piece



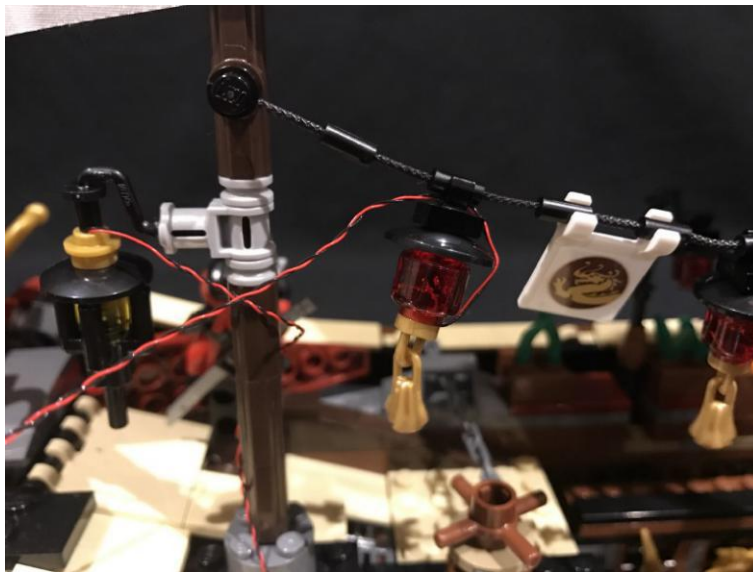
Take a 30cm warm white dot light, connect the light over the gold piece we just removed. Reconnect the trans red piece over it



5) thread the cable of the light through the black piece



With cable facing outside, reconnect the light back.



The cable should be placed in between the clip

6) group the 2 cables together

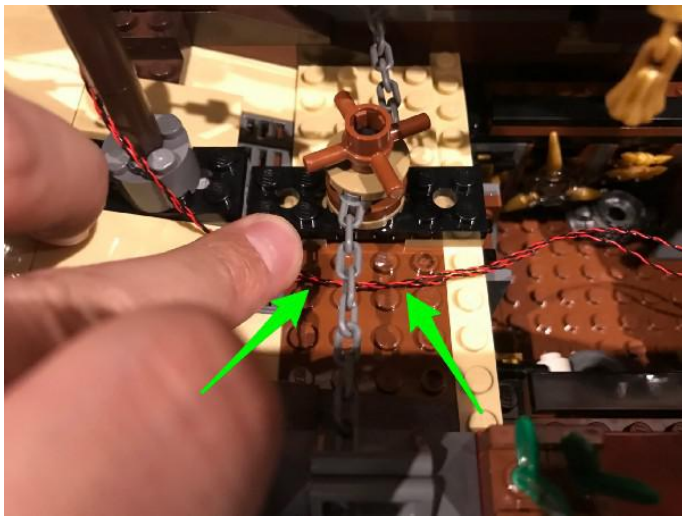


And wind the cables around the mast, pull the cables out from the right side, thread them through the space under the chain, pull them to the space underneath the deck





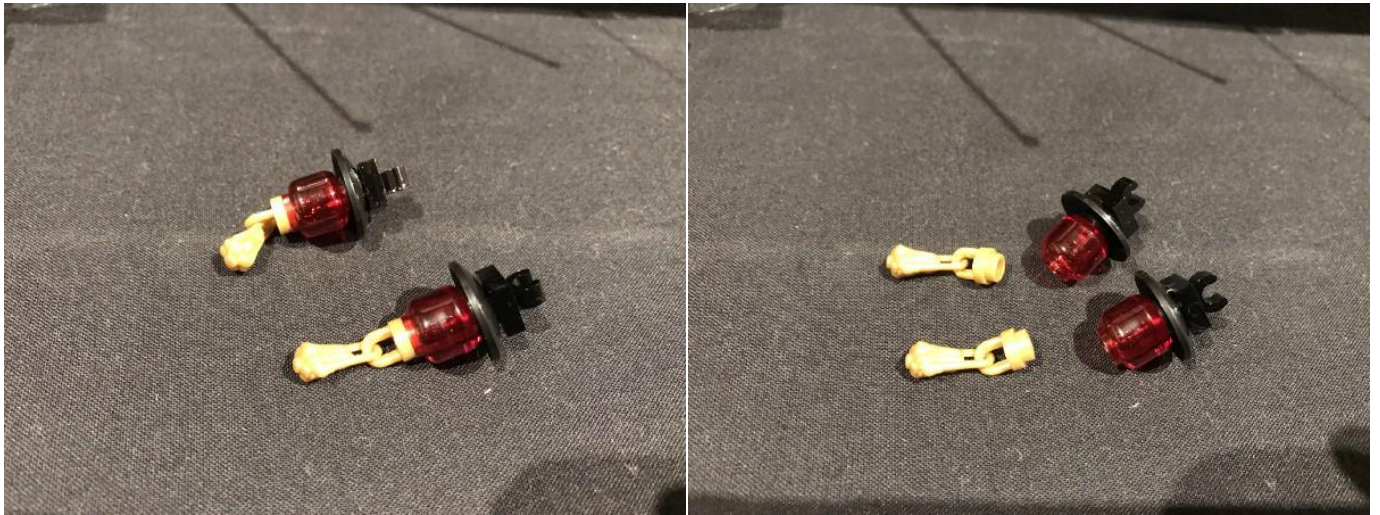
Remove the 4x4 plate. Place the cables underneath in between studs, reconnect the plate



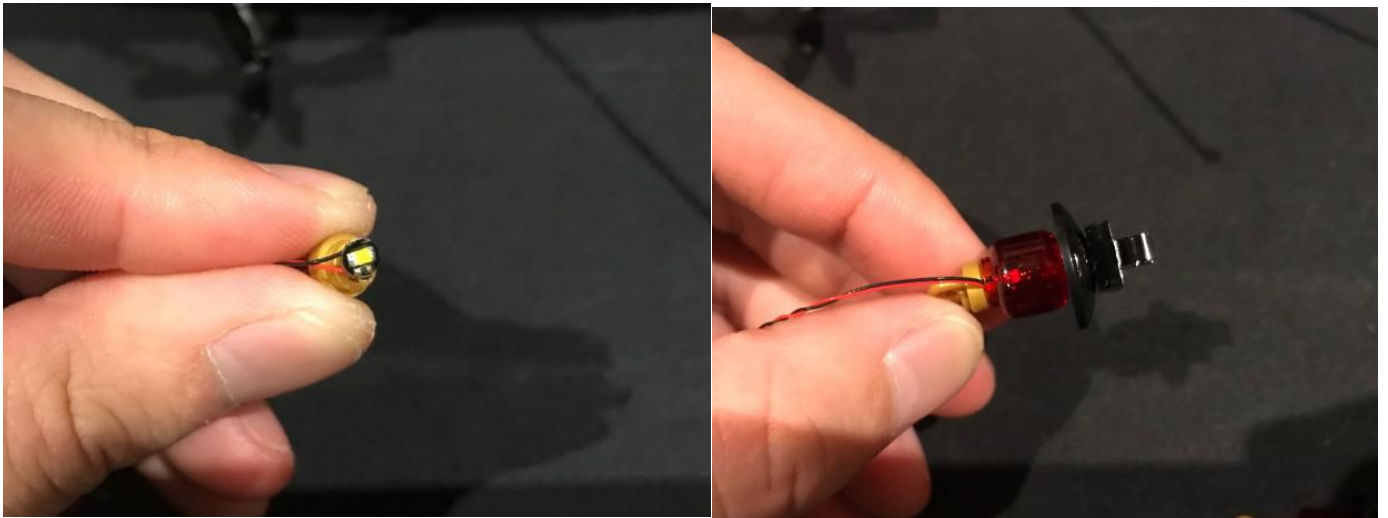
7) continue to install the next 2 lights. Remove the 2 lights, disconnect their golden pieces





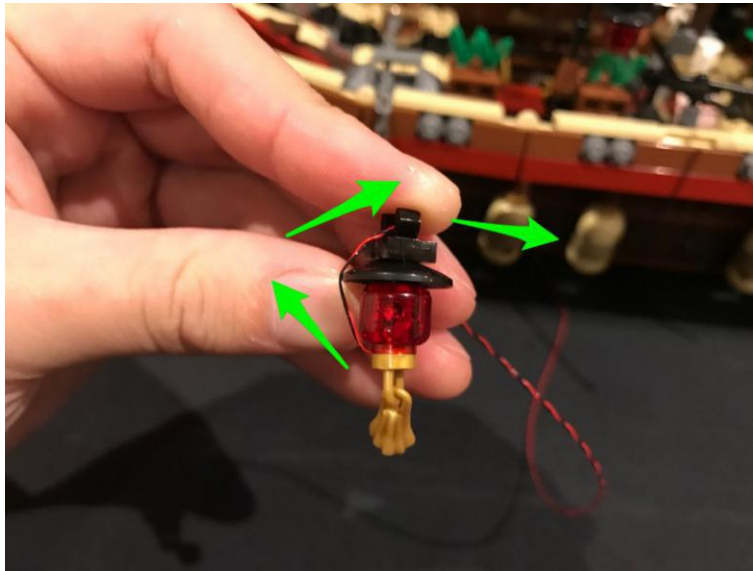


Repeat the previous steps to install the lights.

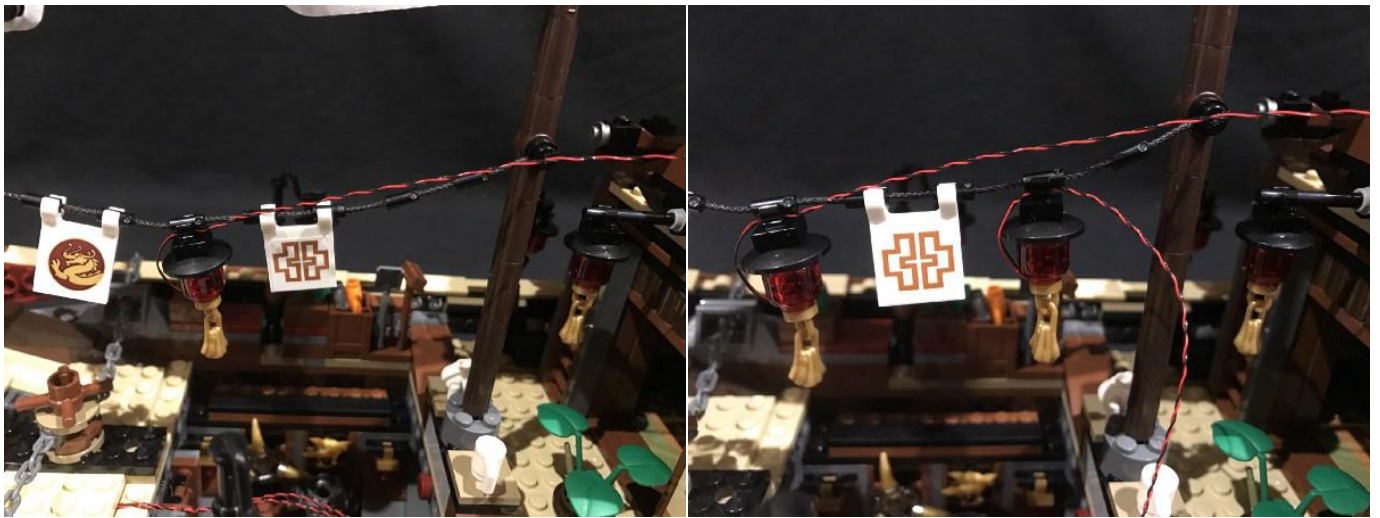


Also separately thread the cables through the black clips





8) reconnect the 2 lights, place their cables toward the back

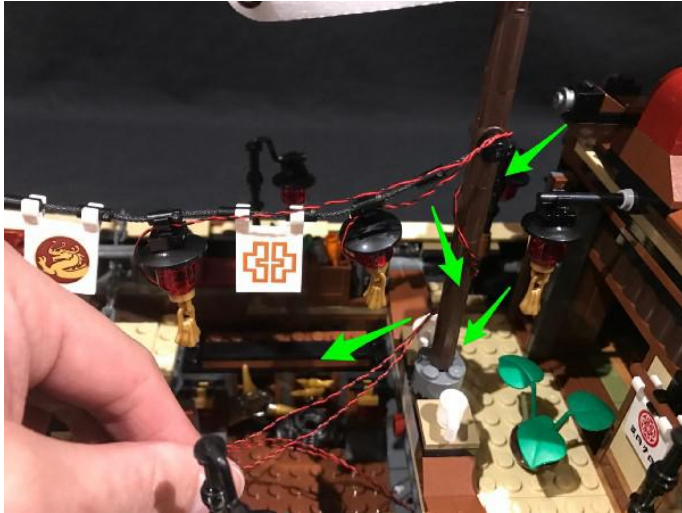


The cables should be placed in between the clip

9) twist the 2 cables together. Wind them around the mast, pull them toward the bottom of the deck







Place the cables underneath the table in between studs, connect the mug over

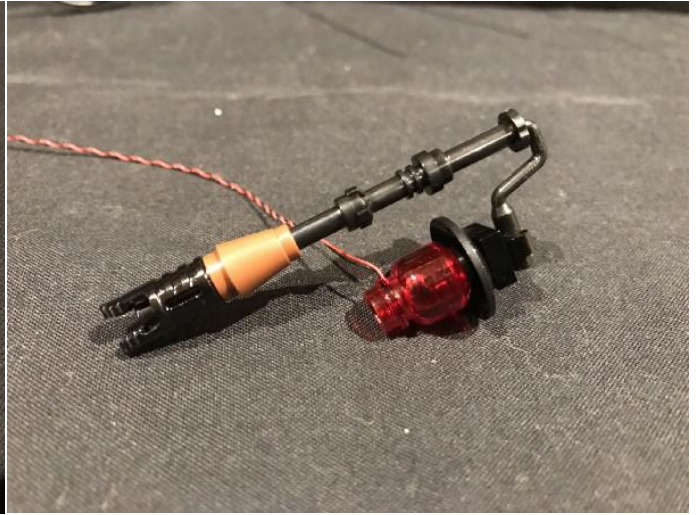
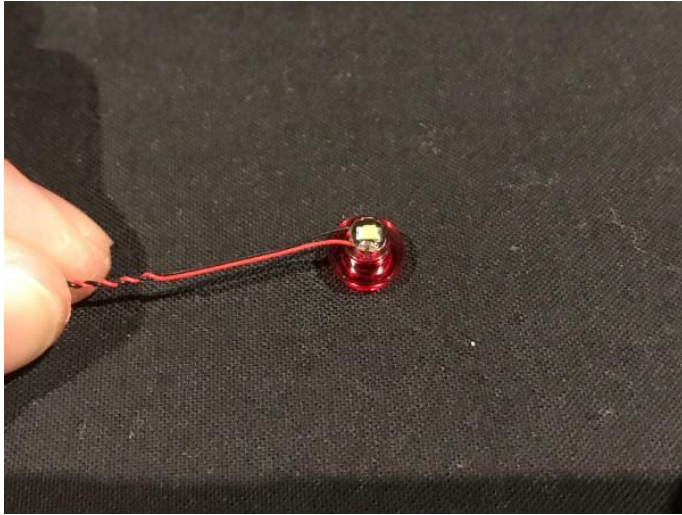


10) now, we' ll install lights at the side of the boat. First, remove the post with lamp, take a trans red round piece

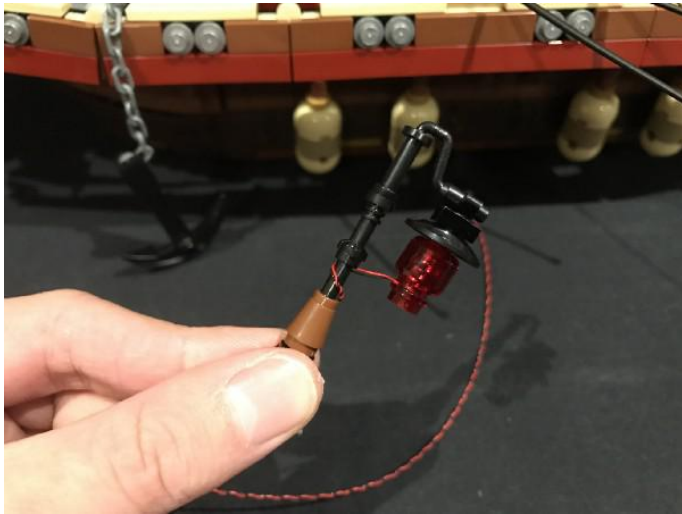


Take a warm white 30cm dot light, connect the light to the trans red round piece. Connect this part to the lamp, place the cable as per below.

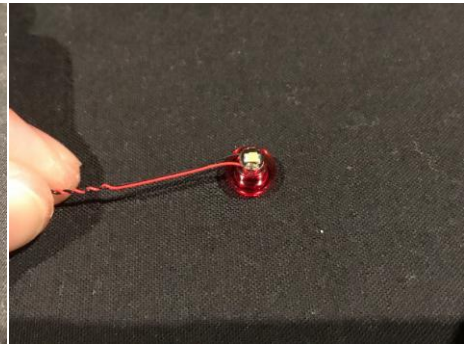
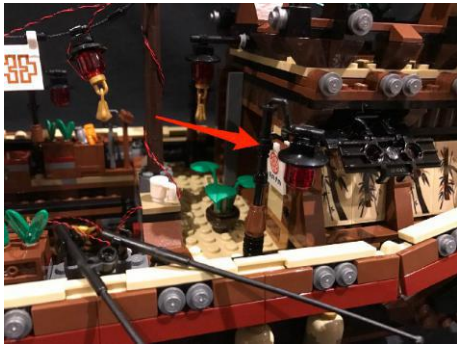




Wind the cable around the post before reconnecting the lamp

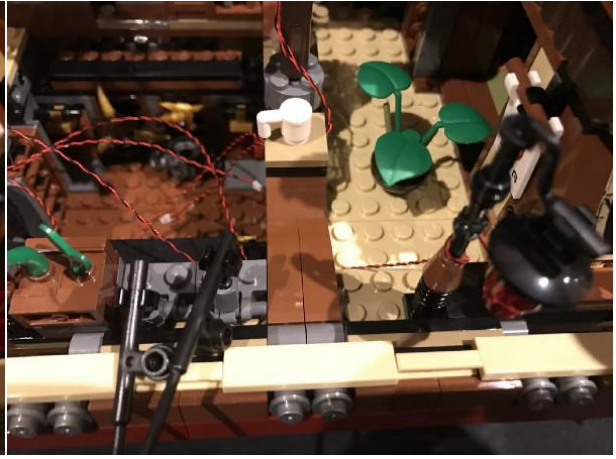
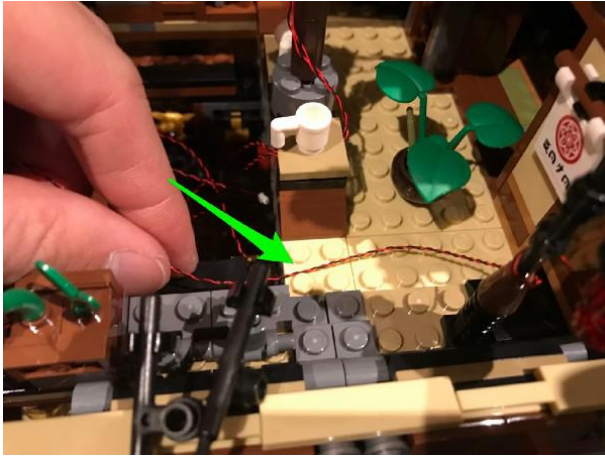


Repeat the steps above to install light for the other lamp

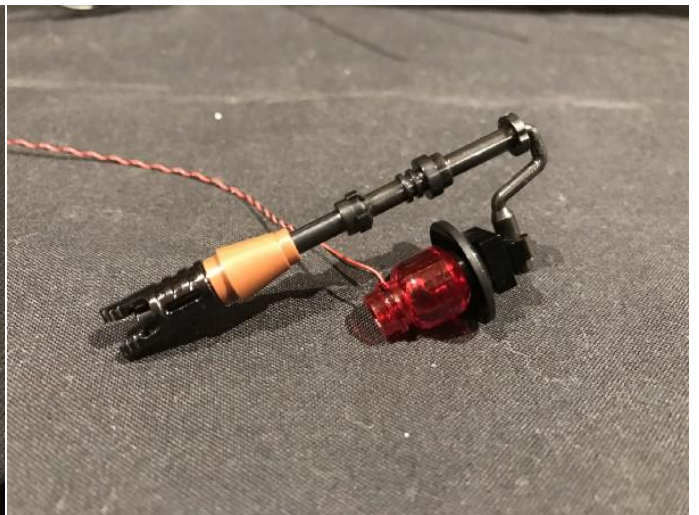
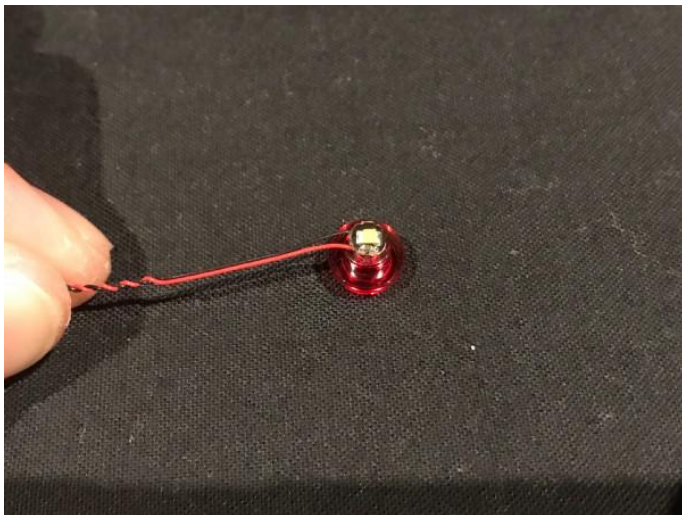


11) place the cable of the light we just installed underneath the brown plate in between studs





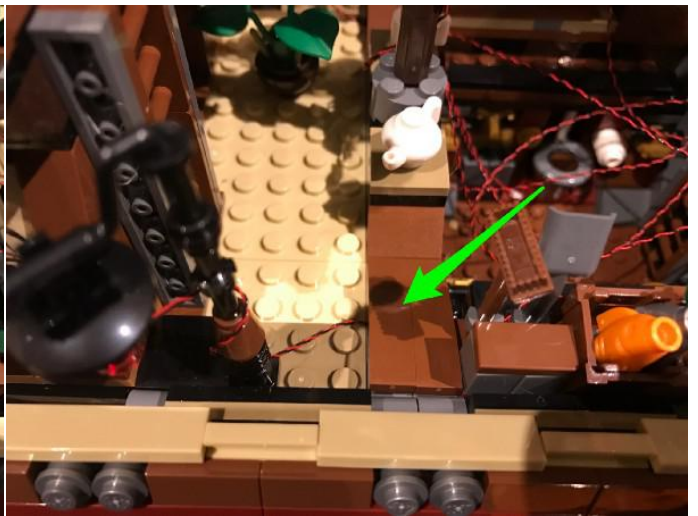
12) turn the boat to the other side, take another 2 white 30cm dot lights and 2 trans red pieces, install the lights at this side



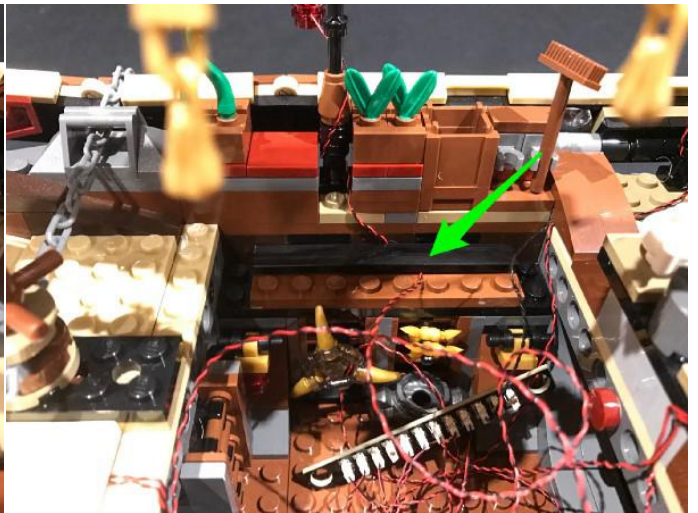
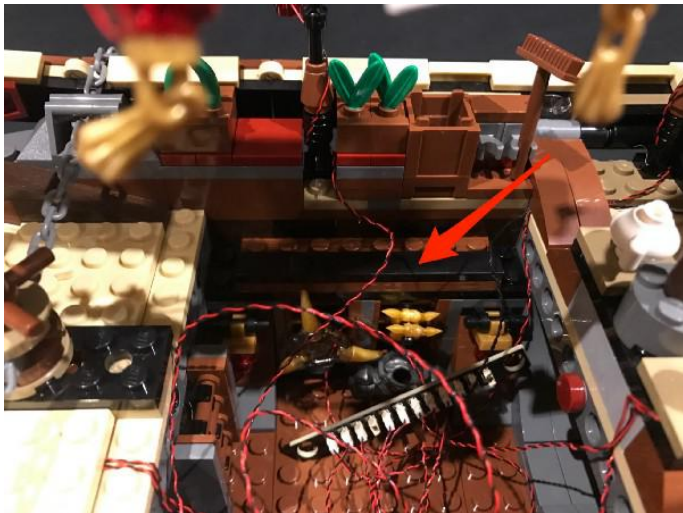




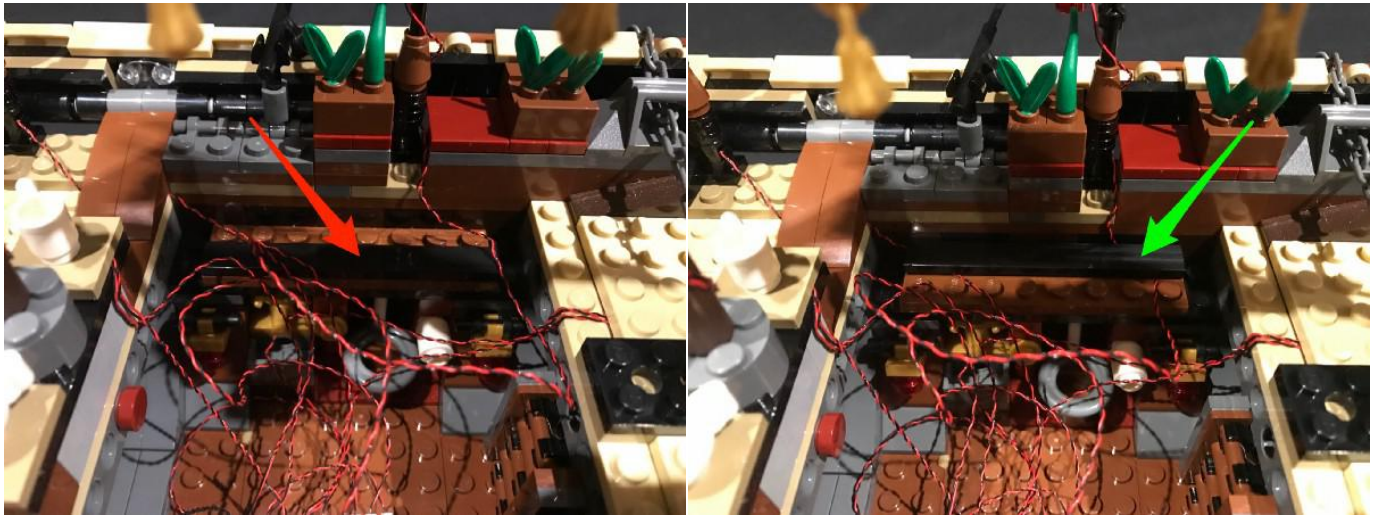
Place the cable as per below



13) remove the 1x8 black plate under the lamp, place the cable in between studs, reconnect the plate







14) take a 12-port expansion board, connect all cables of the 8 lights to it



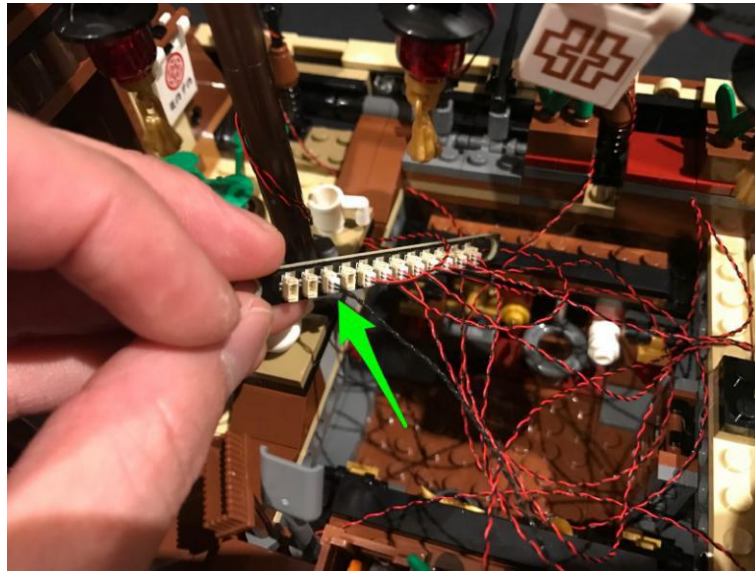
Connect the battery pack to the expansion board. Turn the power on to test if all lights are working OK



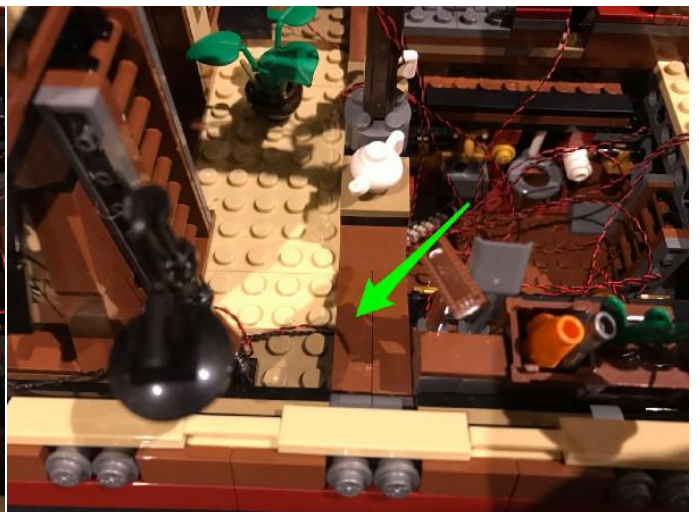
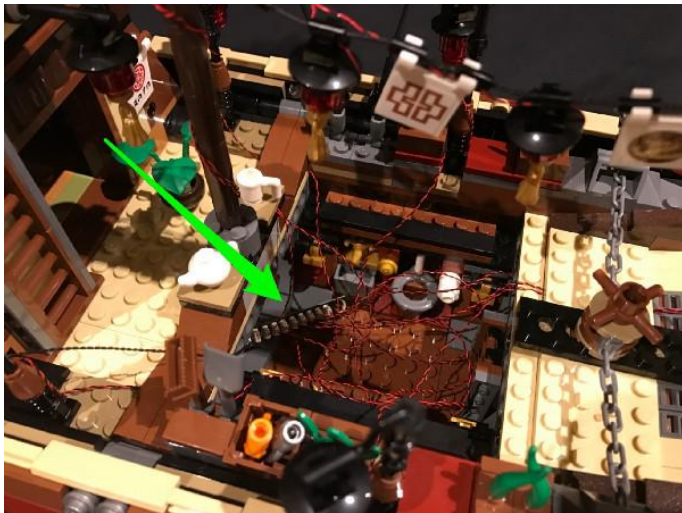
Disconnect the battery pack, move onto installing the rest lights

15) take a 30cm connecting cable, connect it to the 12-port expansion board





Tuck the expansion board and excess cables under the deck, pull the 30cm connecting cable out, secure it underneath the following brown plate



16) we' ll move onto installing lights for the head of the boat

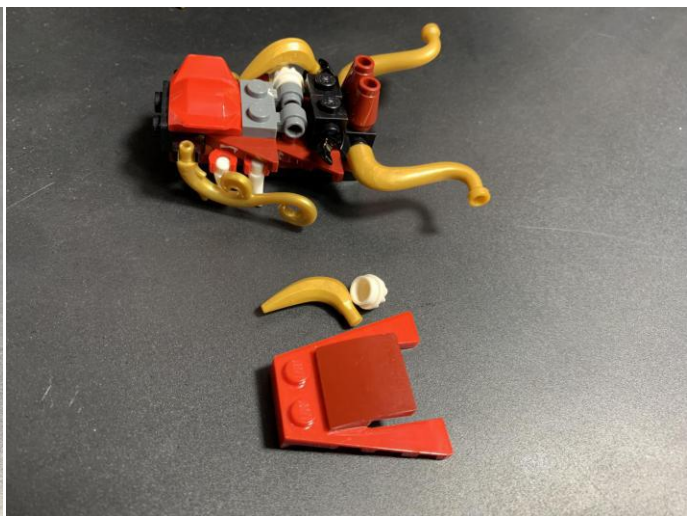




Remove a head, take 3 warm white 30cm dot lights, 2 trans 1x1 round plates, a trans 2x2 round plate

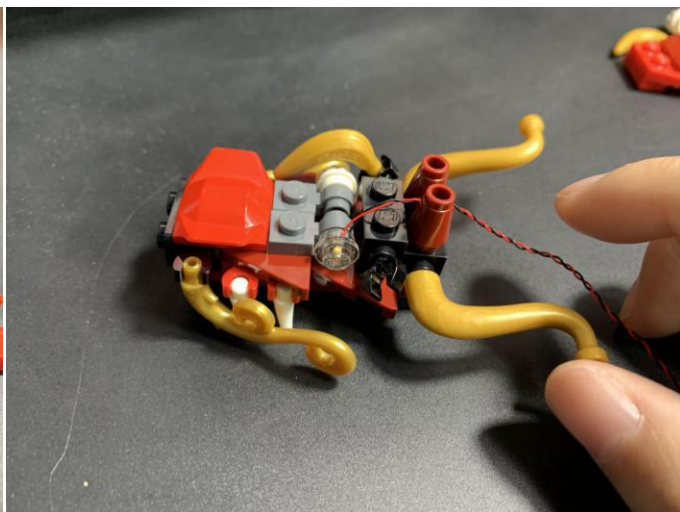
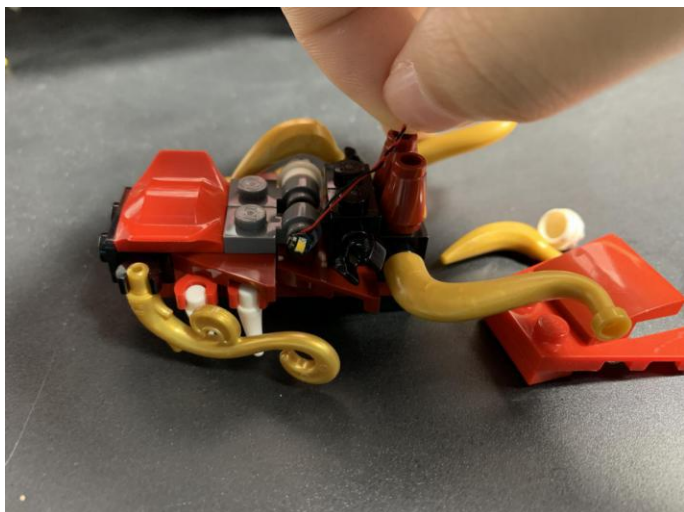


Remove the eyes and the top part from the head piece



Connect a warm white 30cm dot light to the eye with a trans round plate, place the cable as per below

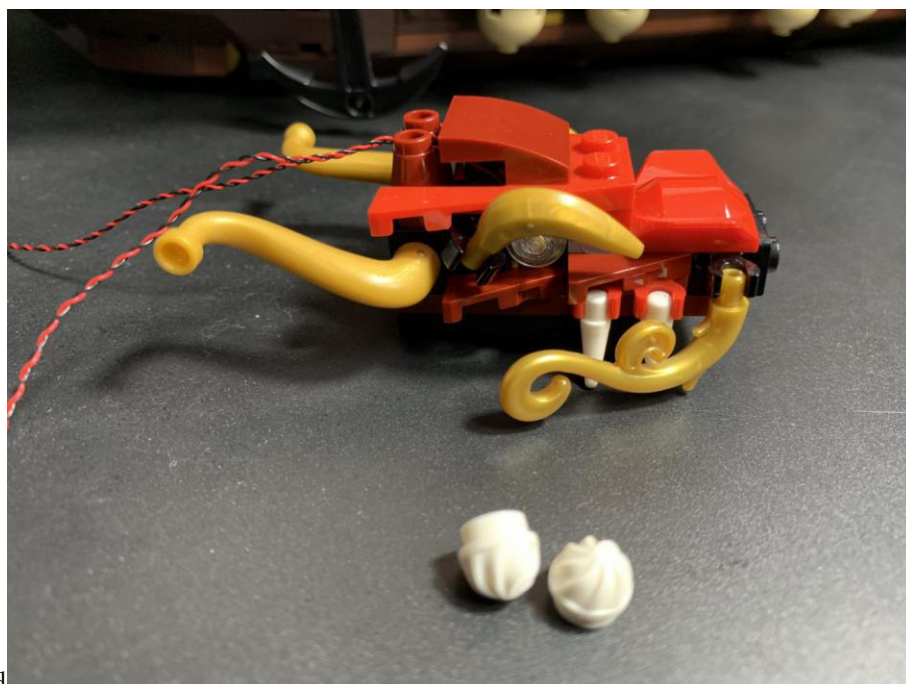




Similarly, connect a dot light to the other eye



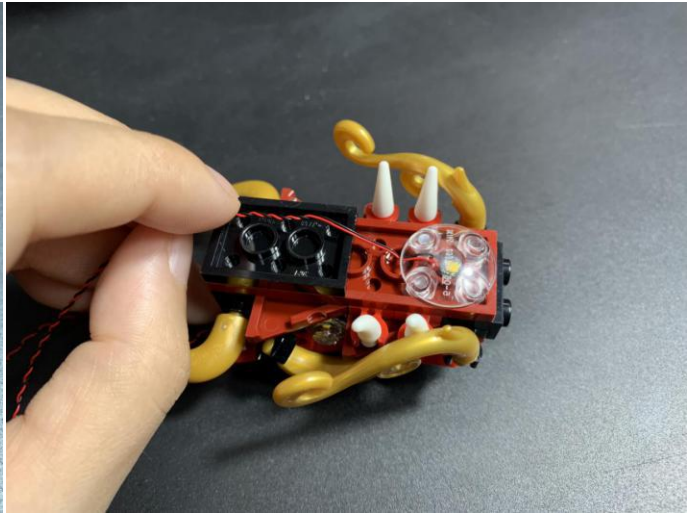
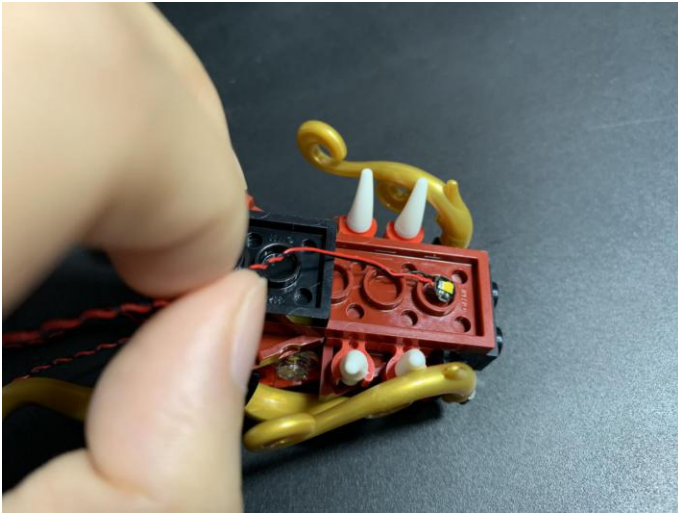
Reconnect the pieces back to the



head



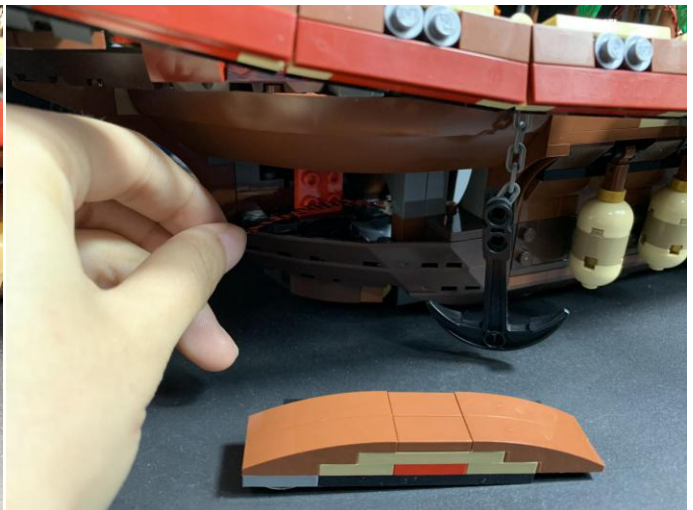
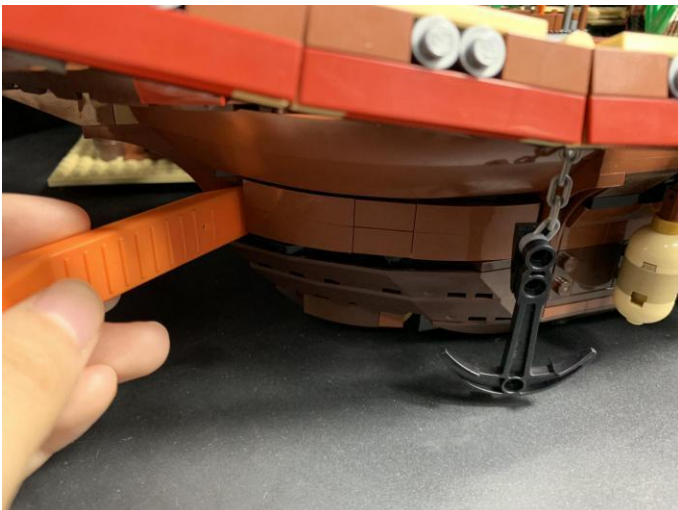
17) turn the head over, connect a 30cm warm white dot light to the following place



Reconnect the head, group cables of the 3 lights together



Remove the following piece from the bottom of the prow, thread the cables through the gap into the cabin







18) take a 8-port expansion board, stick adhesive squares to both its sides, connect the 3 cables of the lights to it



Reconnect the piece we removed from the bottom of the prow



19) turn the boat to the other side, take 3 warm white 30cm dot lights, 2 trans 1x1 round



plates, a trans 2x2 round plate, repeat the step 16-step 17 to install lights for this side, also thread the cables into the cabin and connect them to the 8-port expansion board



Turn the power on to verify the current!

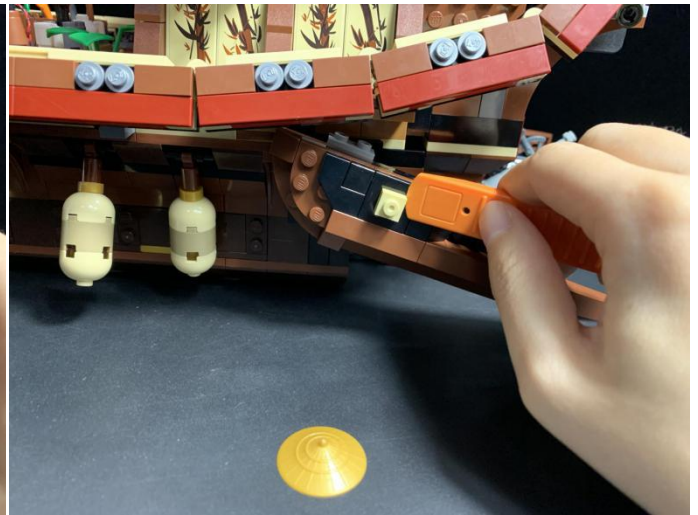
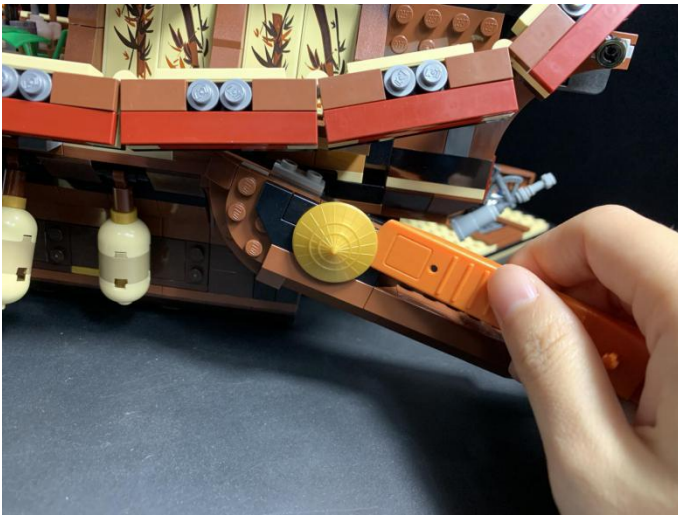


20) we' ll continue to install lights for the side underneath the boat



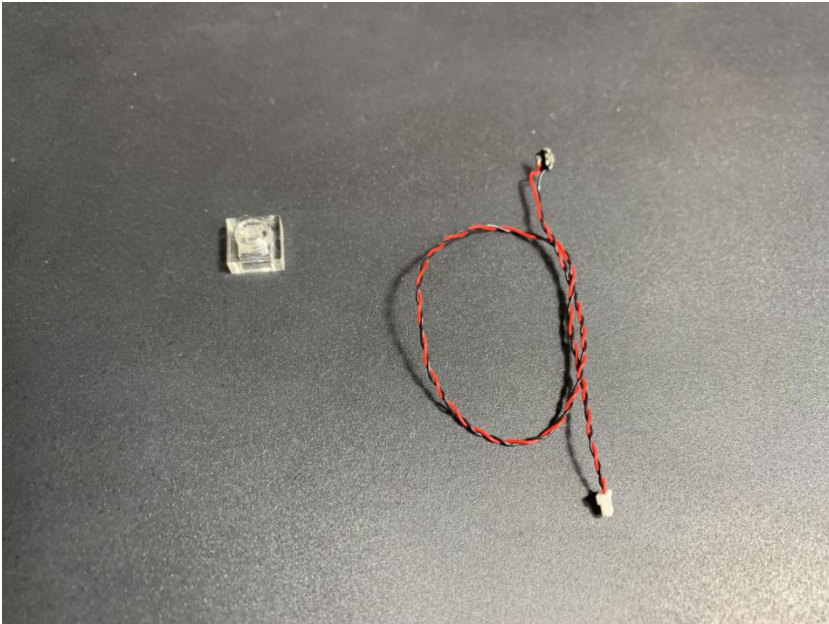


Remove the following pieces from the stern

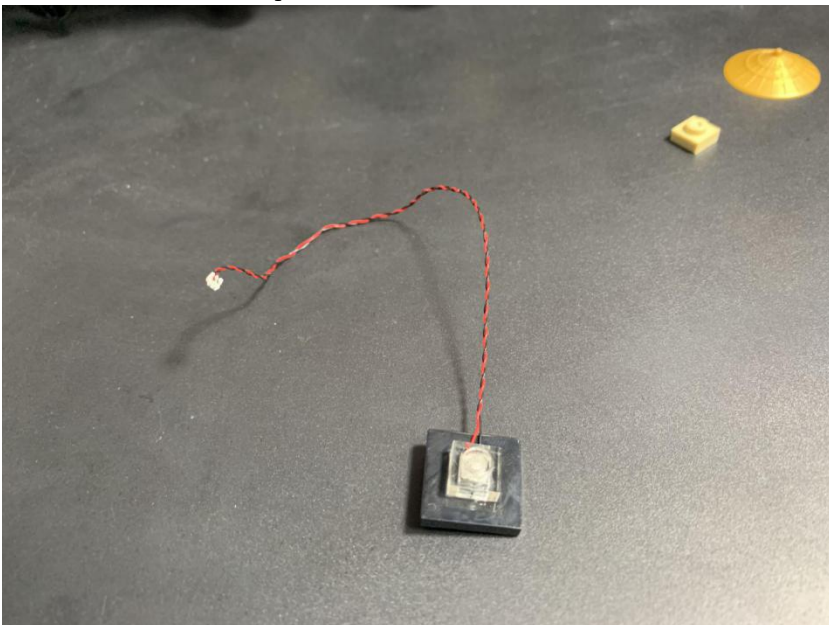


Take a 15cm Multi Colour Changing Light Strings, a 1x1 trans plate

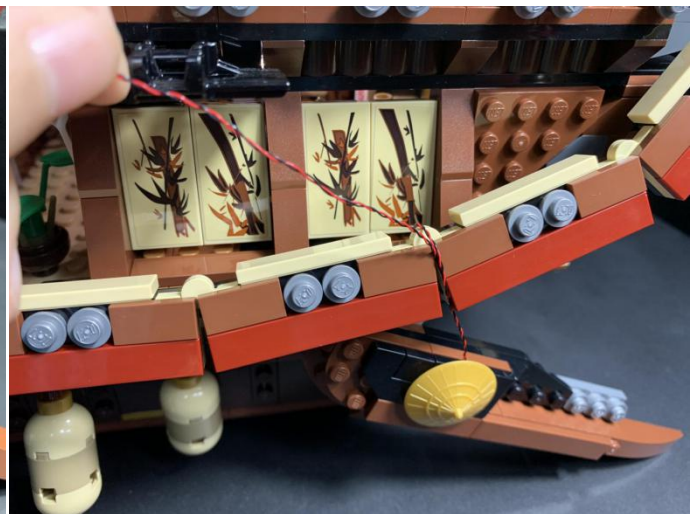




Assemble them as per below

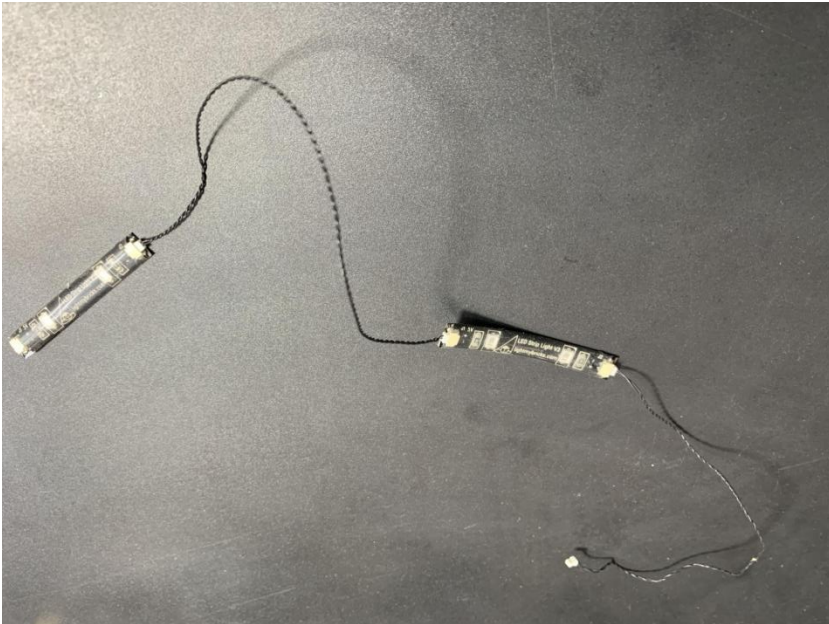


Reconnect the pieces back, pull the cables upward



21) take 2 blue strip lights, two 15cm connecting cable, assemble them as per below





Wind the cables of the Multi Colour Changing Light Strings around the beam before connecting it to the strip



Stick the strip inside the beam

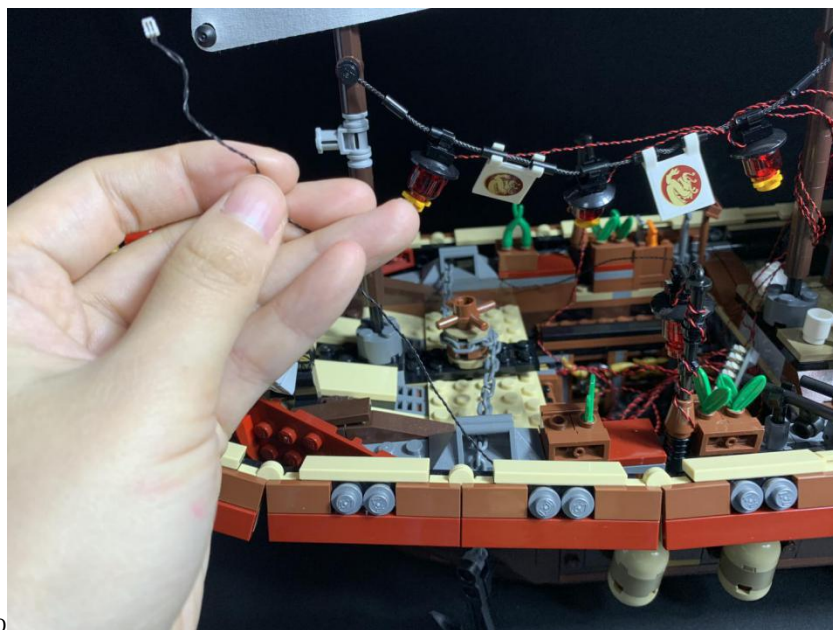


Connect the other strip inside the beam, place the cable behind the column piece



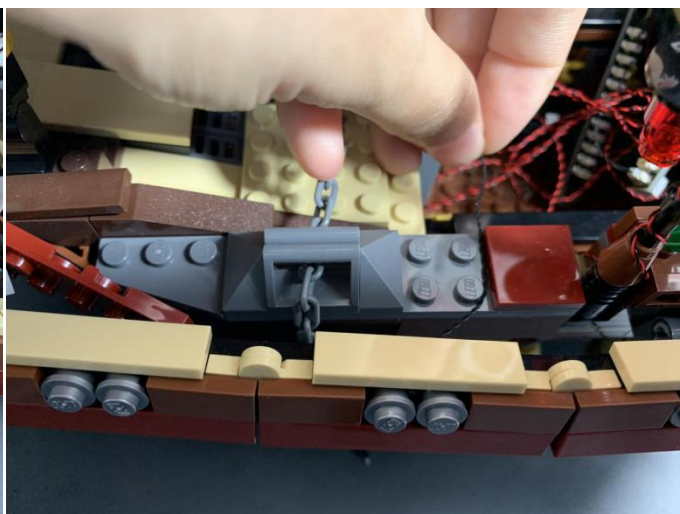
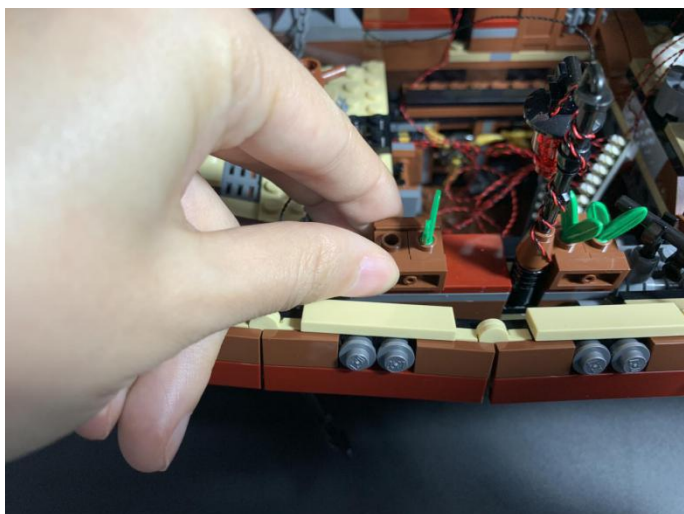


Pull the 15cm connecting cable out from the

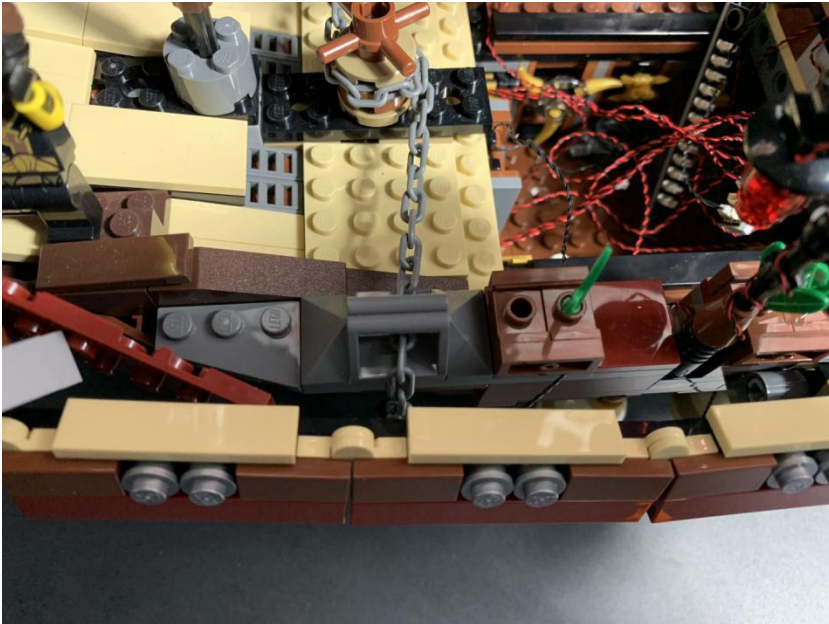


strip

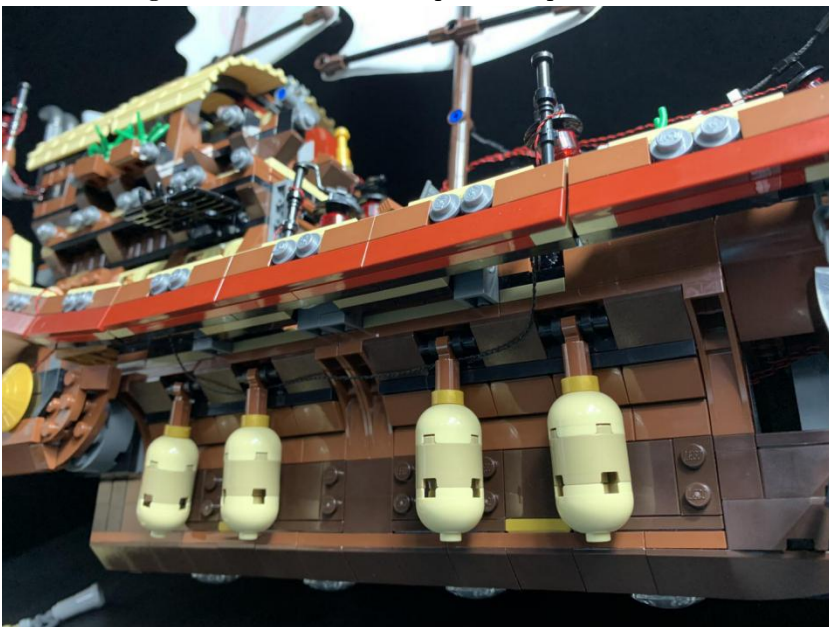
Remove the following pieces, place the cable in between studs, connect it to the 8-port expansion board



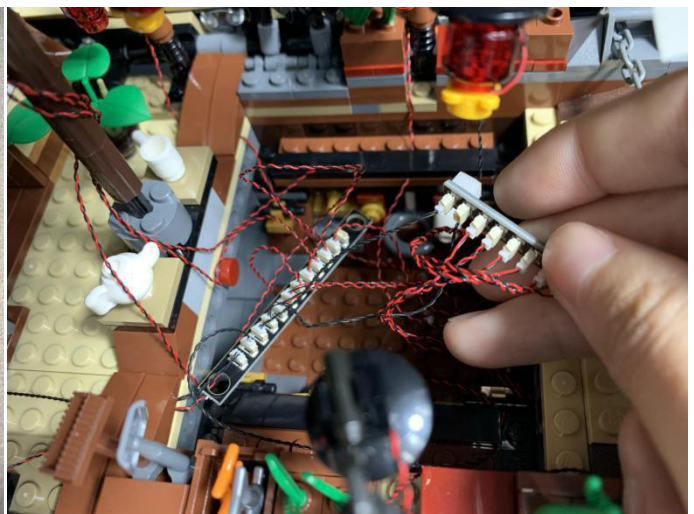




22) turn to the other side of the boat, repeat the step 20 and step 21, connect the 15cm connecting cable to the 12-port expansion board



23) take a 15cm connecting cable, connect the 2 expansion board together



Connect the battery pack to the expansion board, urn the power on to test the lights





24) disconnect the battery pack, reconnect the pieces removed after tucking all cables  
Don' t force to reconnect the pieces

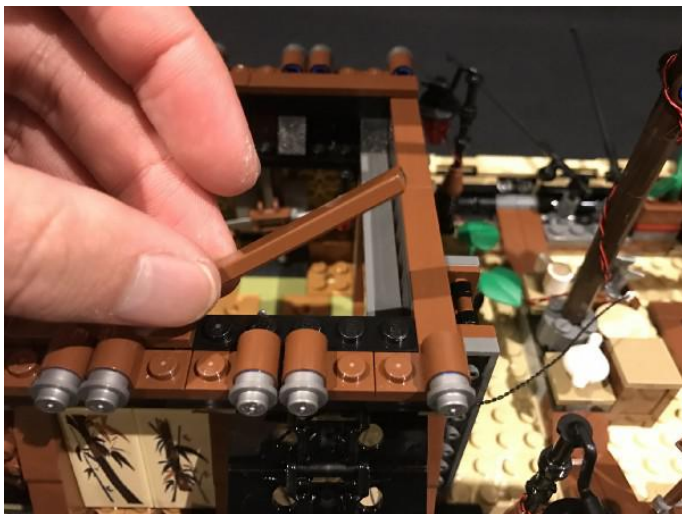


25) remove the roof of the boat:

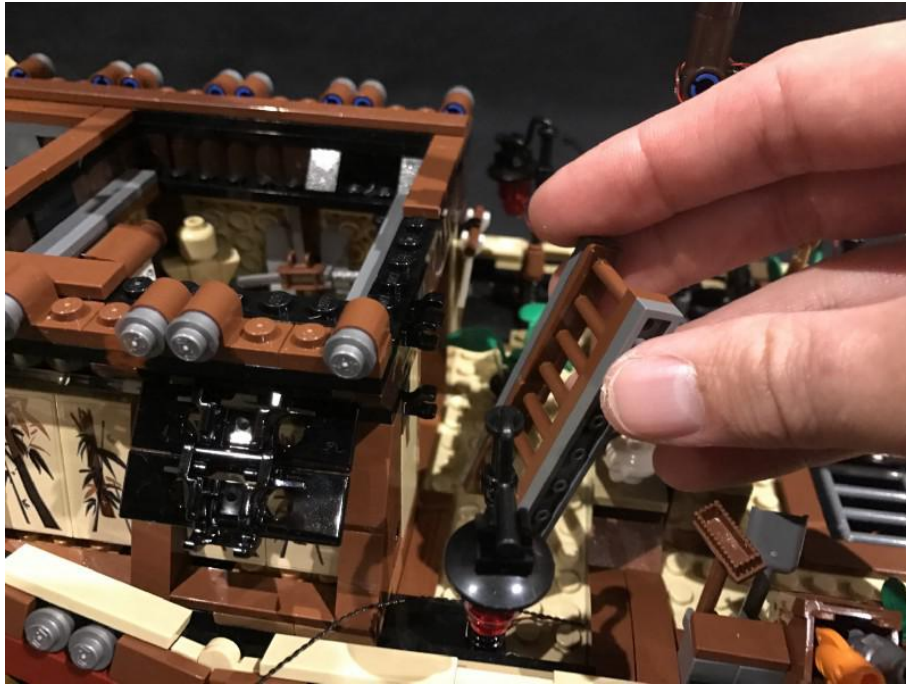




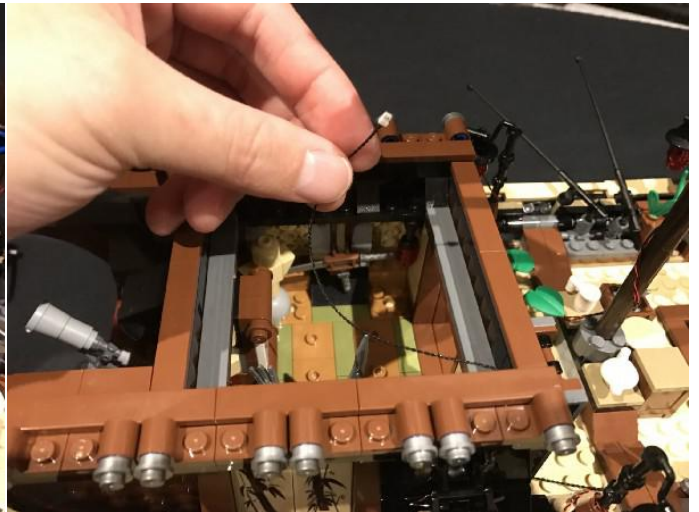
Thread the 30cm connecting cable up and hide it. First, remove the following pieces and the stairs







Pull the connecting cable up, thread through the top, place it in between studs. Reconnect the pieces and the stairs we removed



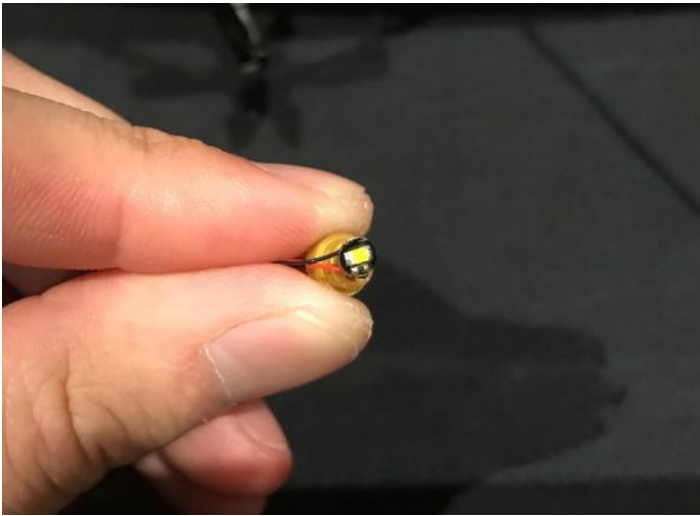
26) move onto installing lights for the roof. Remove the lamp, disconnect the golden piece



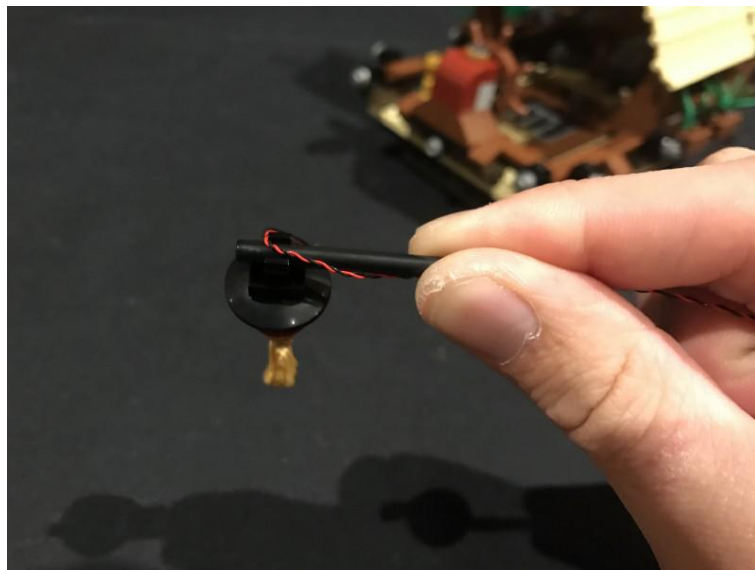




27) take a warm white 30cm dot light, connect it to the top of the golden piece, reconnect the lamp

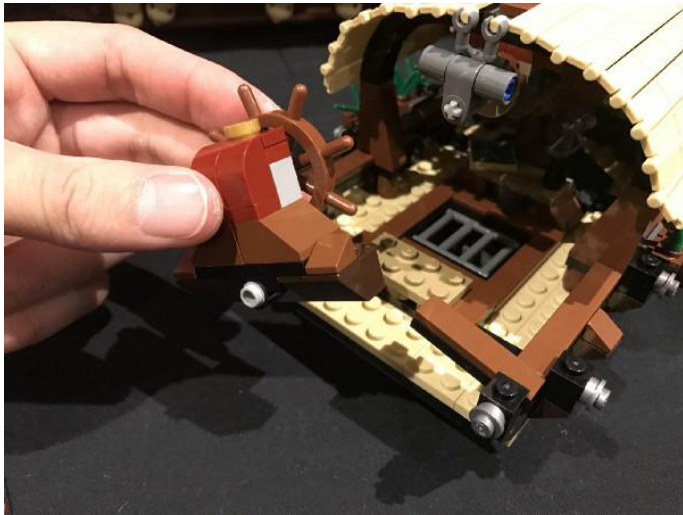


Wind the cable around the pole, pull it out from the back

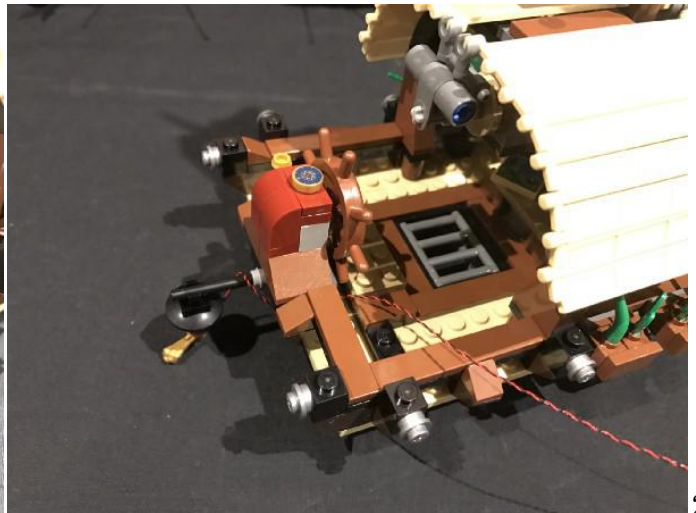


Remove the steering wheel to reconnect the lamp





Place the cable inside the deck before reconnecting the steering wheel



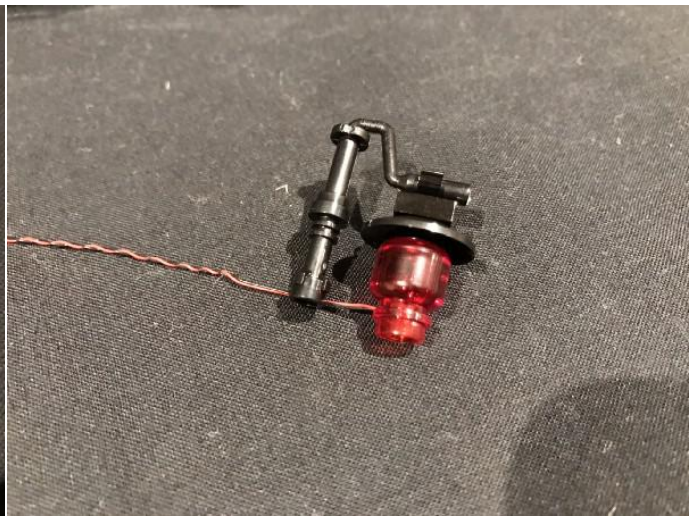
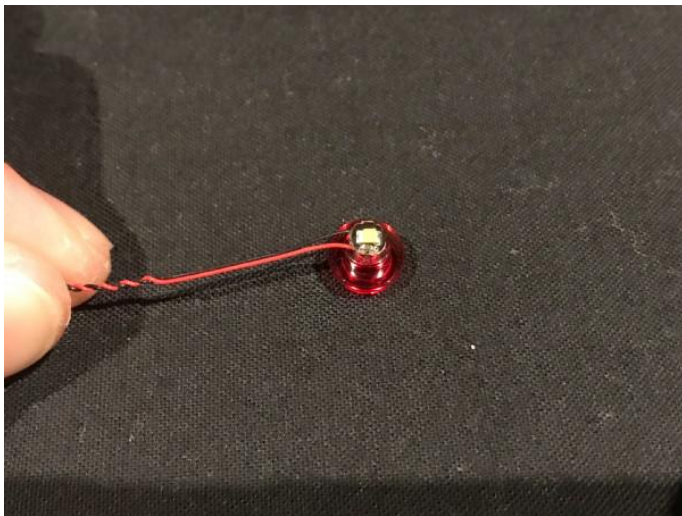
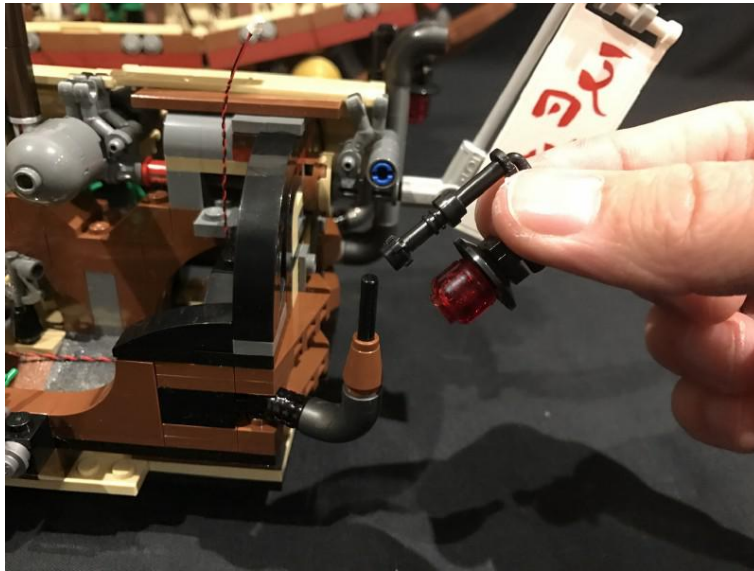
2

8) turn the roof over to install lights for the inside

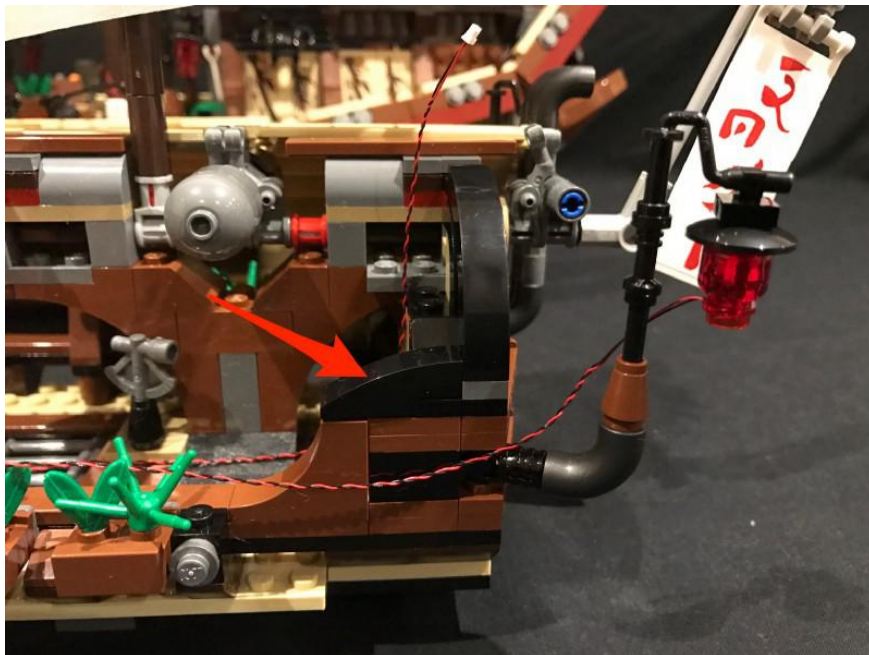


Remove the following lamp, take a trans red piece to connect another 30cm warm white dot light(as we did before )

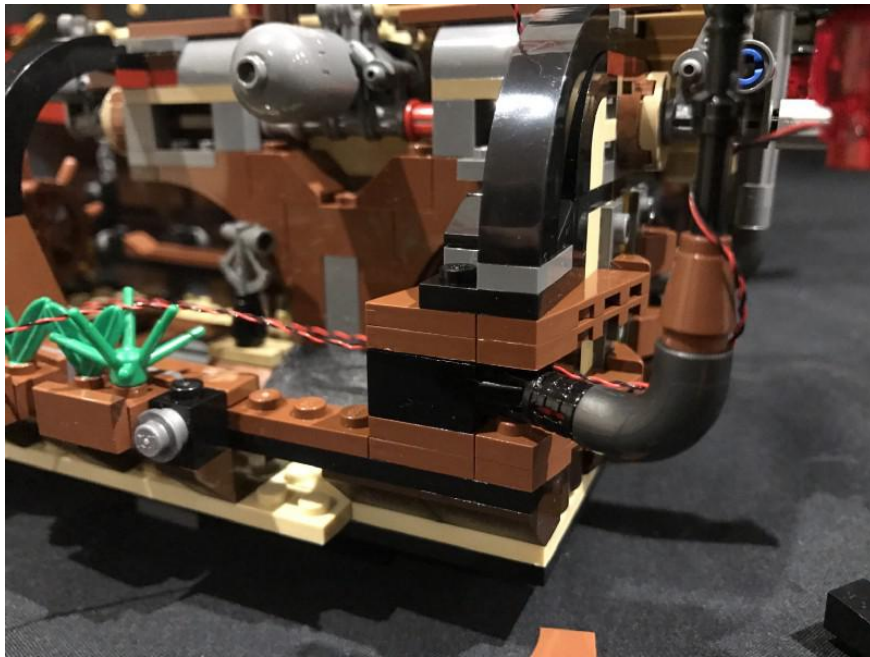
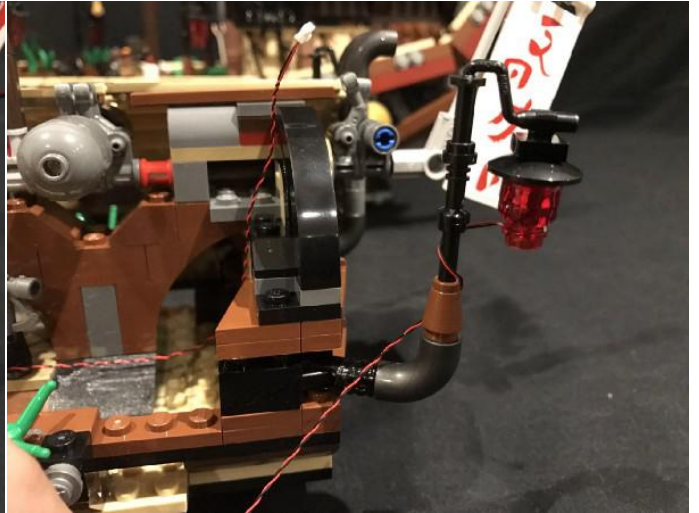
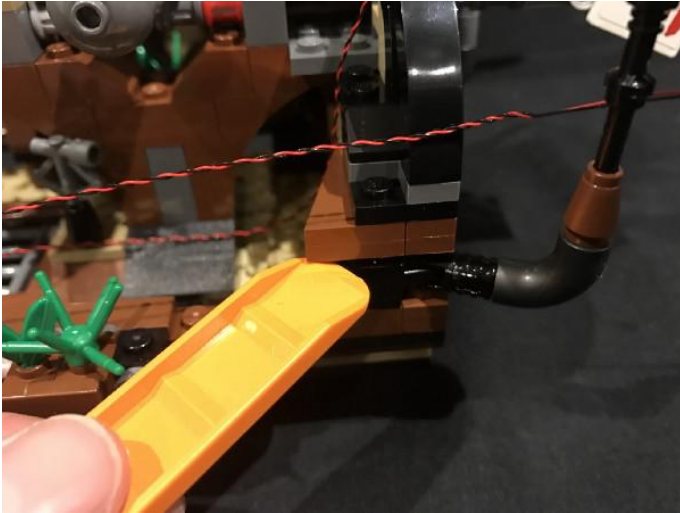




29) reconnect the lamp. Remove the black round piece, make a gap at the following place to allow the cable thread through





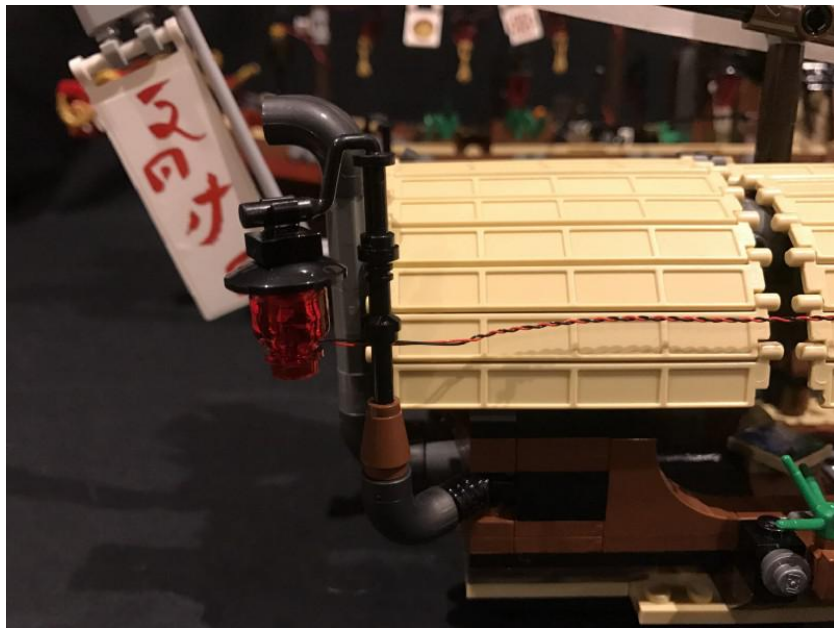
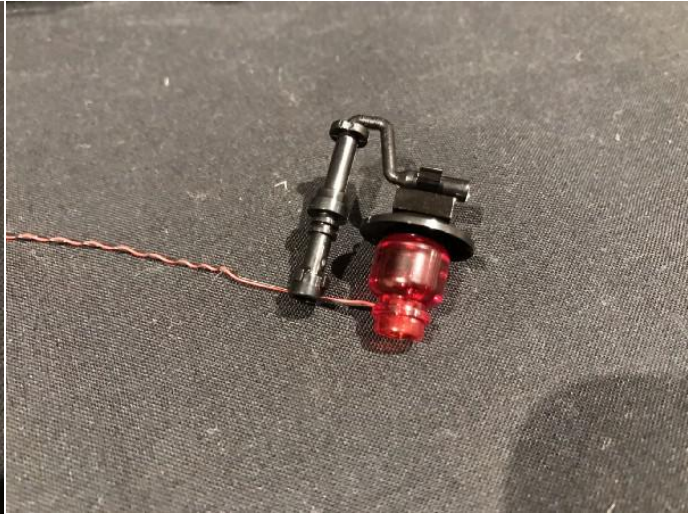
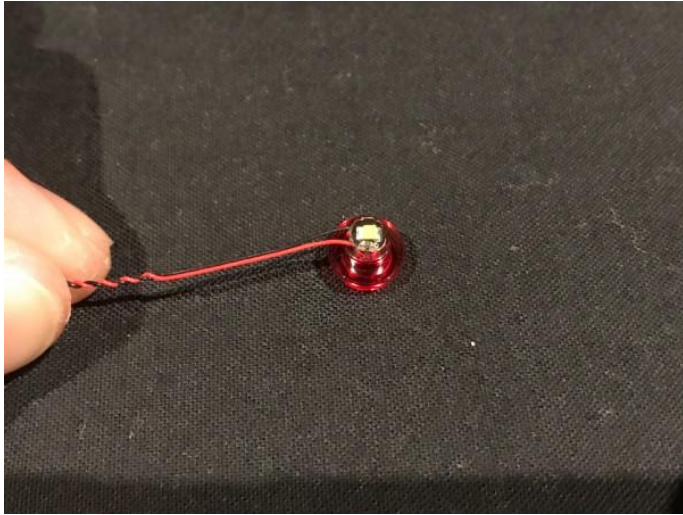


Reconnect the gap, reconnect the piece

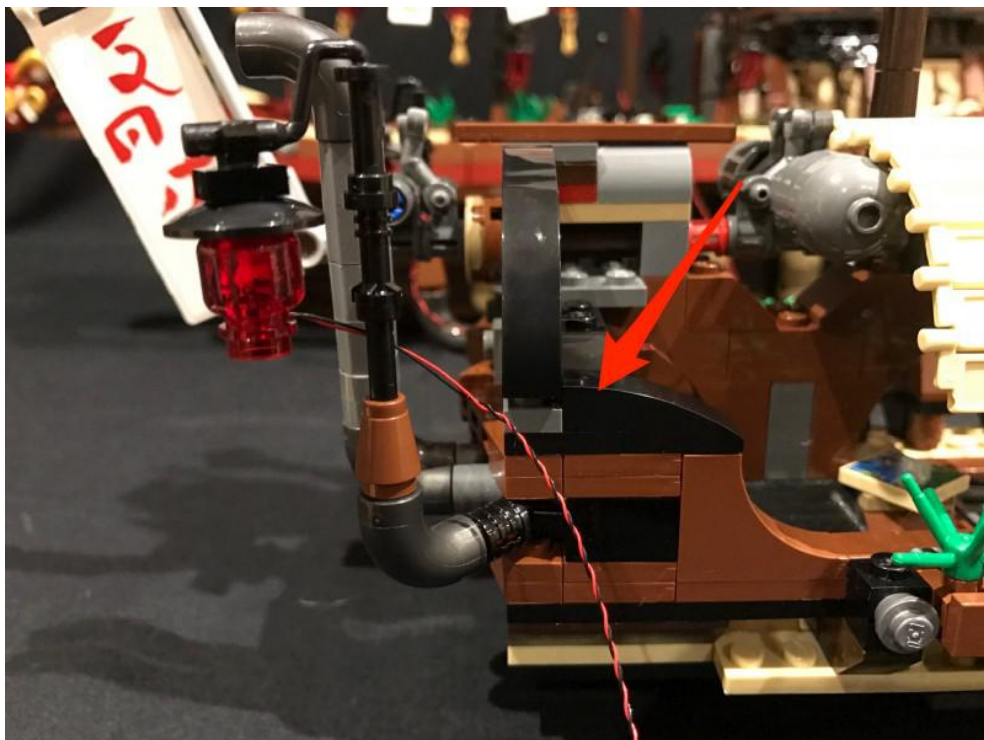
30) repeat the previous steps to install another dot light to the lamp at the back



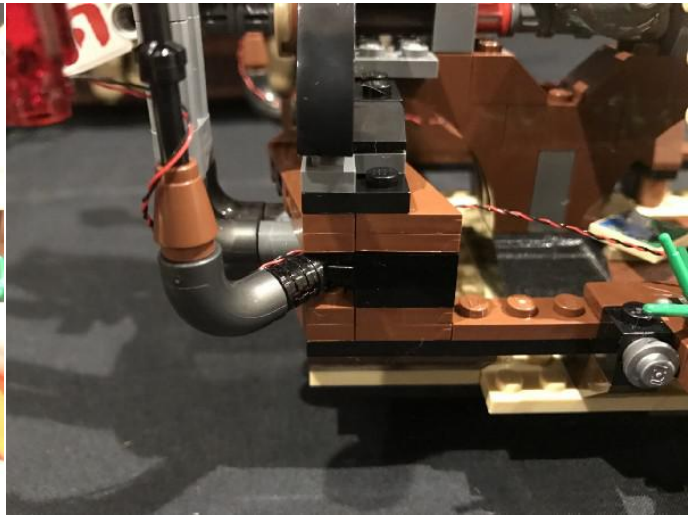
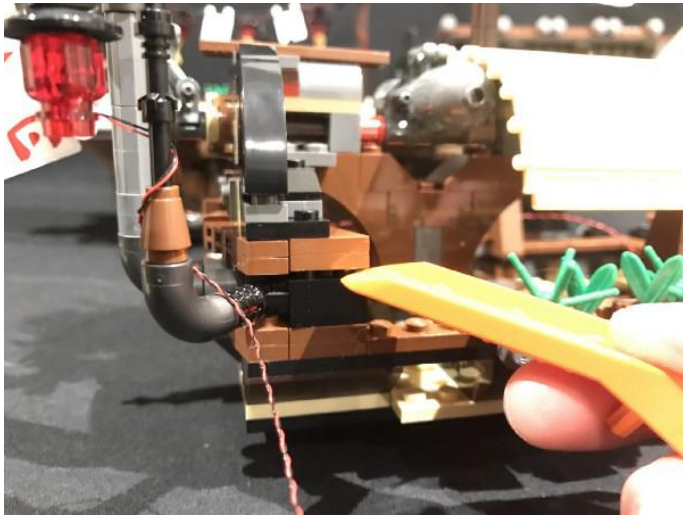




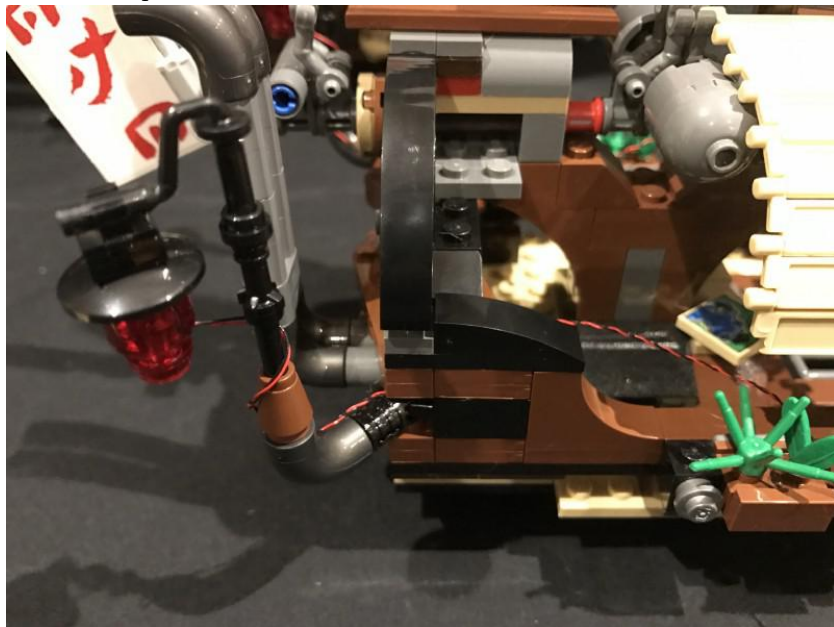
31) reconnect the lamp, remove the black round piece, make a gap to help the cable thread through



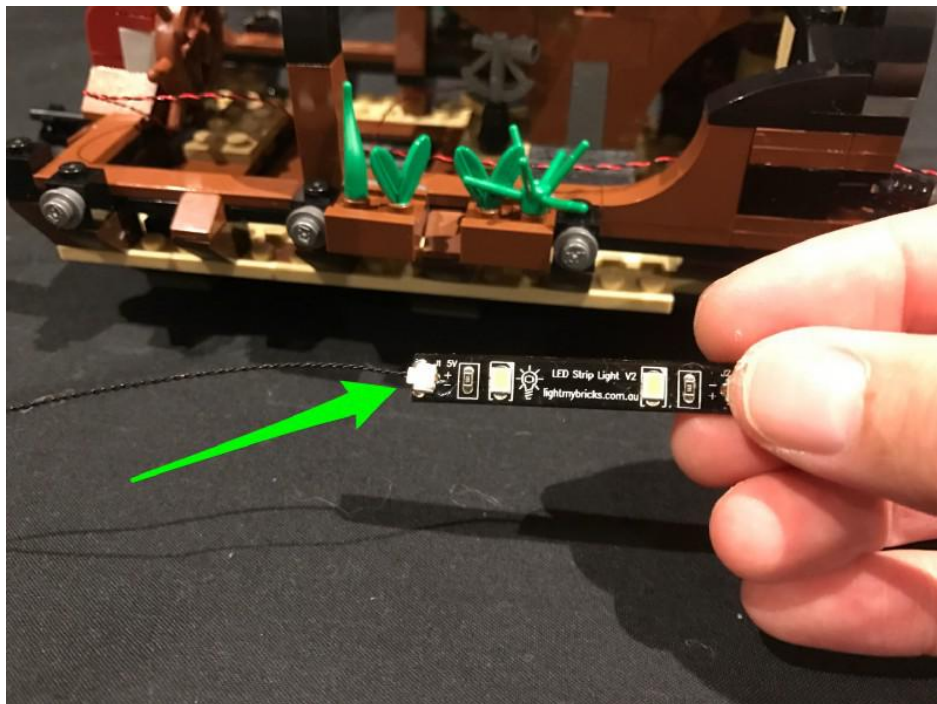




Reconnect the gap and the piece we removed

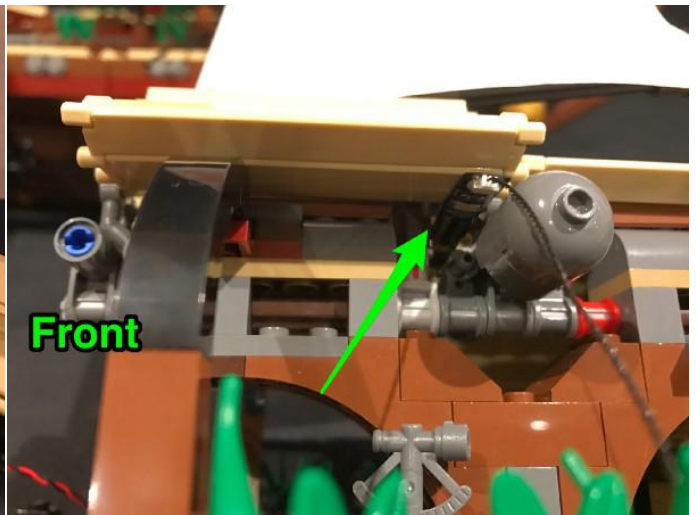
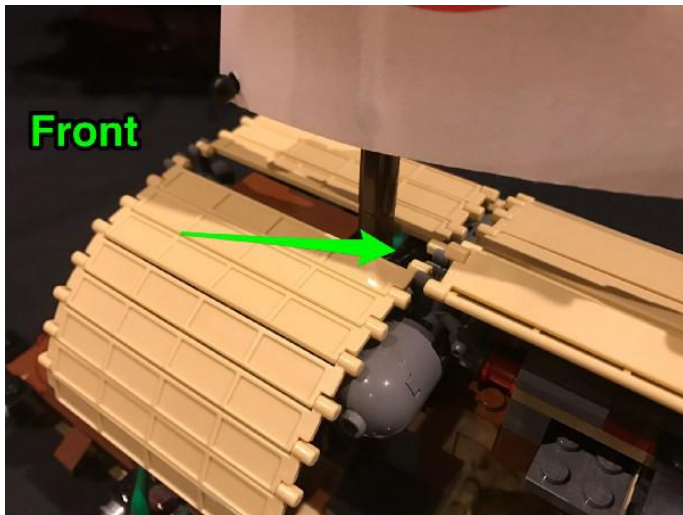


32) take a warm white strip light, connect a 15cm connecting cable to its left port

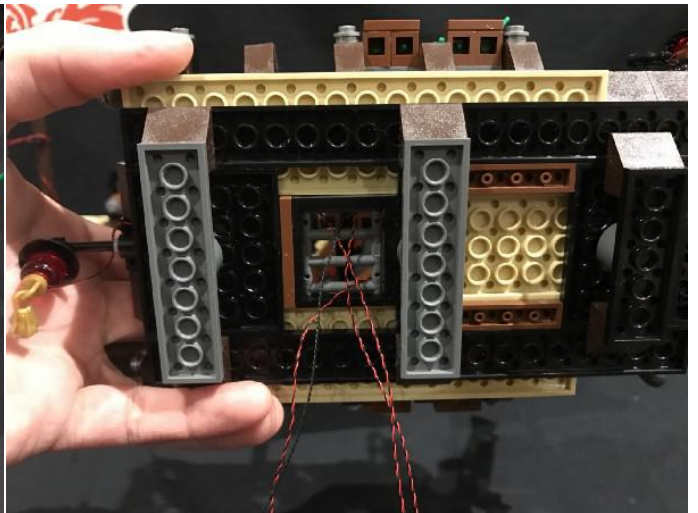
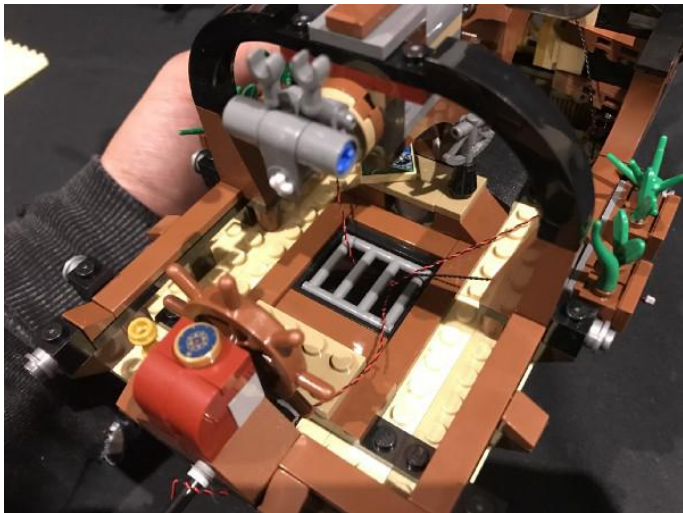
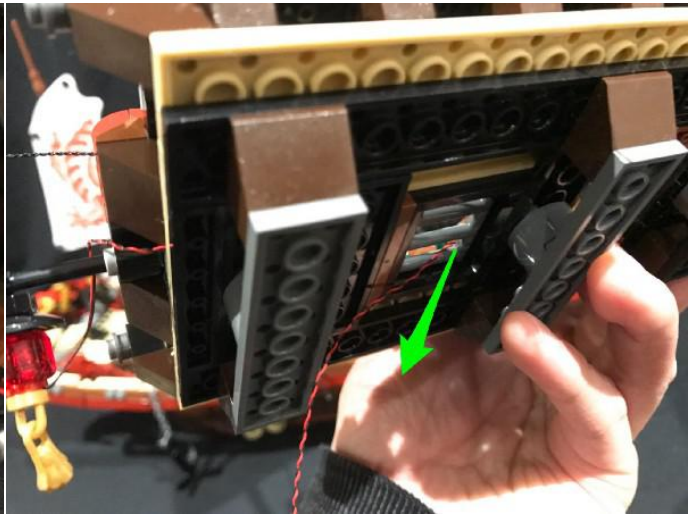
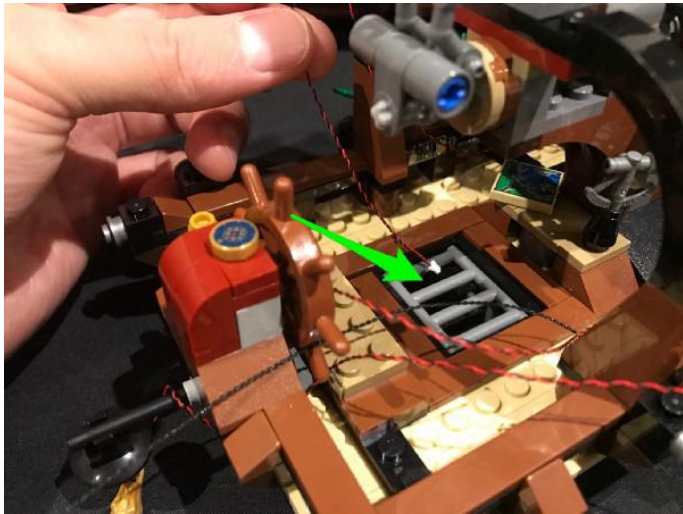


Stick the strip to the following place

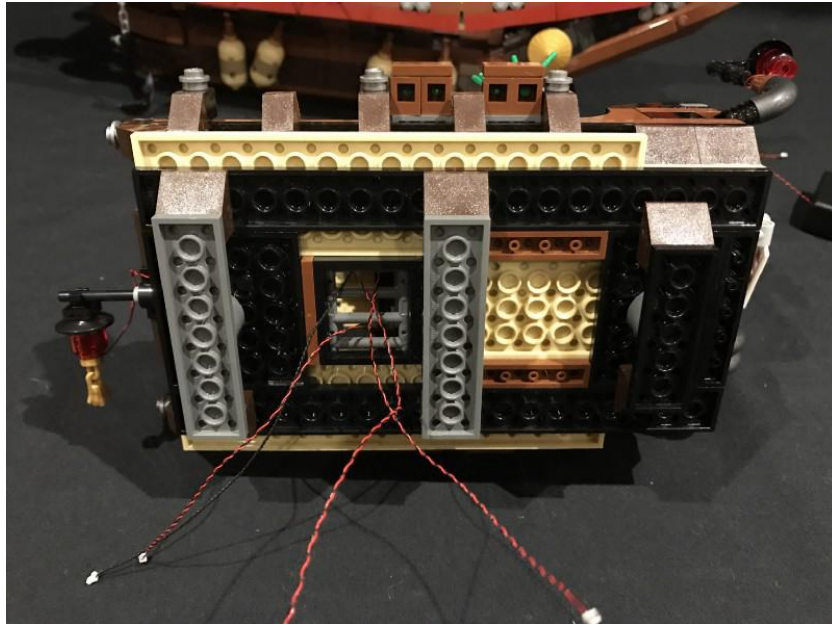




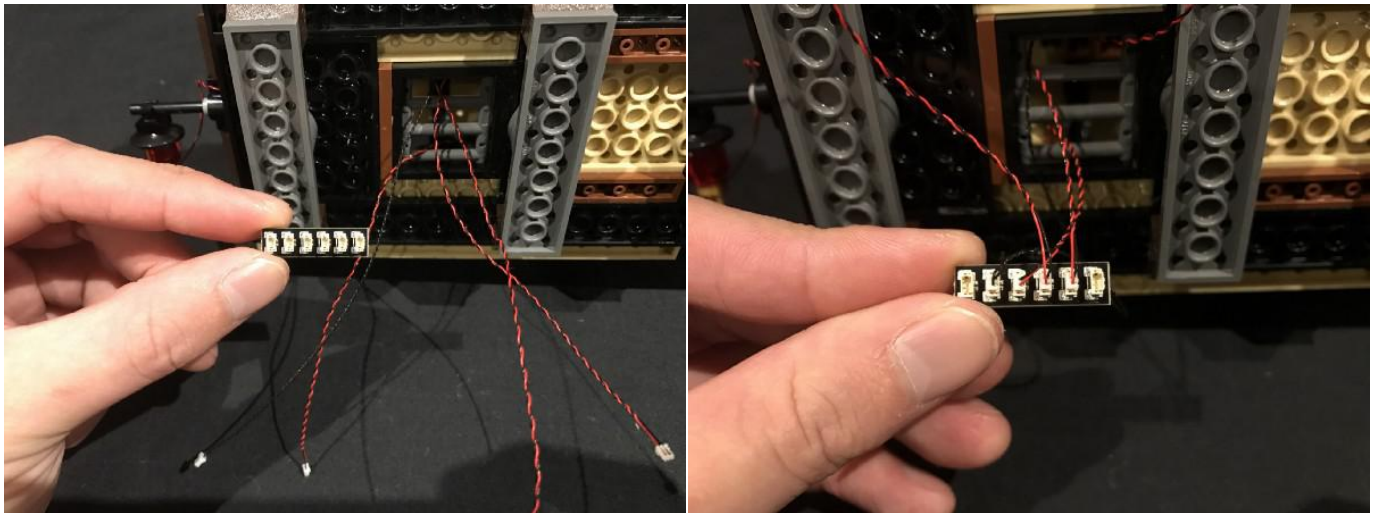
33) pull all cables up, thread them through the rail, pull the cables from the bottom



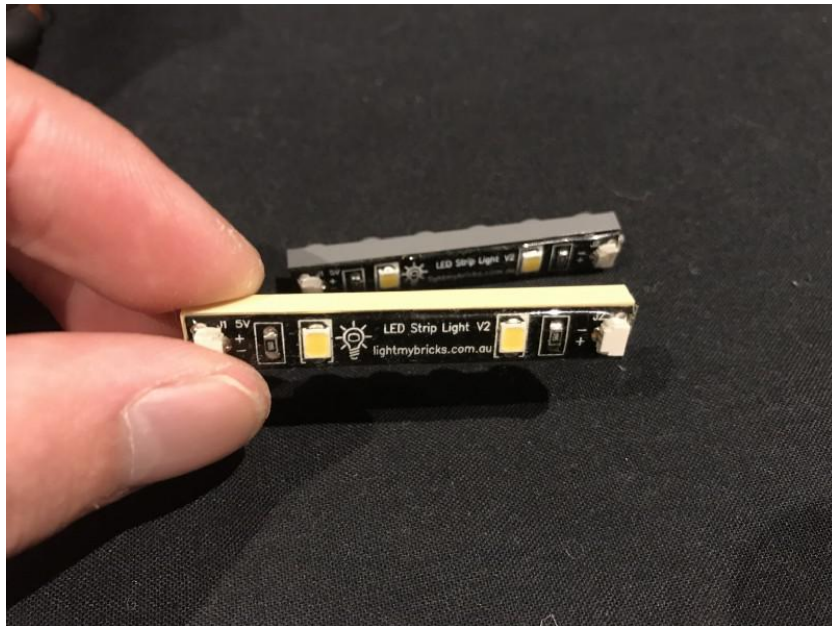




34) take a 6-port expansion board, connect all 4 cables of the lights to it

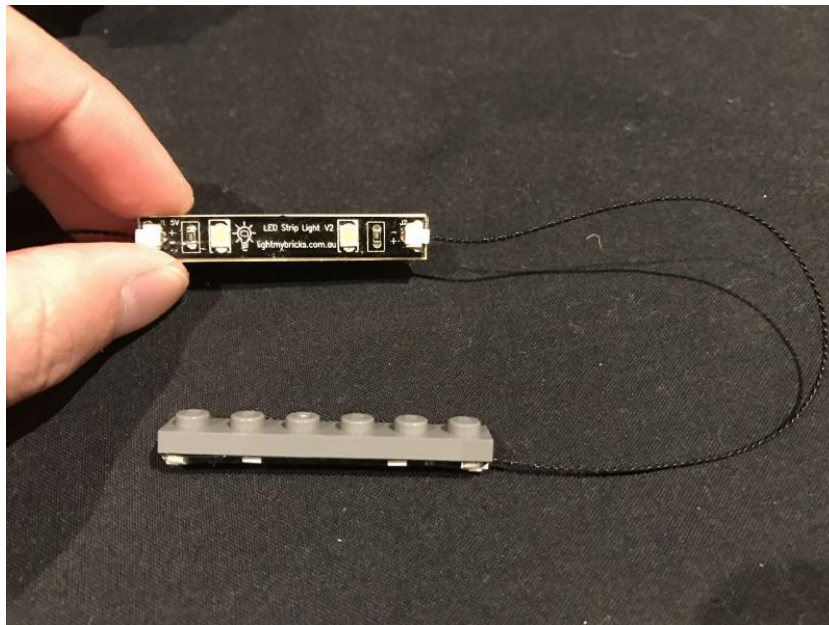


35) take 2 warm white strip lights, stick them separately to the backs of 2 lego 1x6 plates

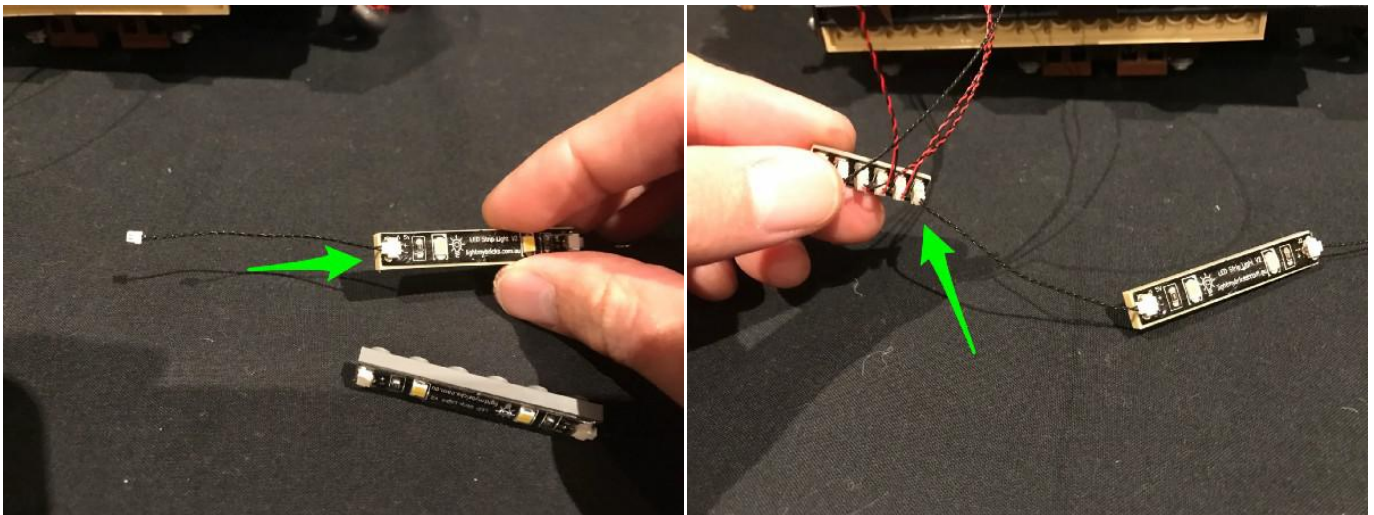


Take a 15cm connecting cable, connect it to the 2 strip lights

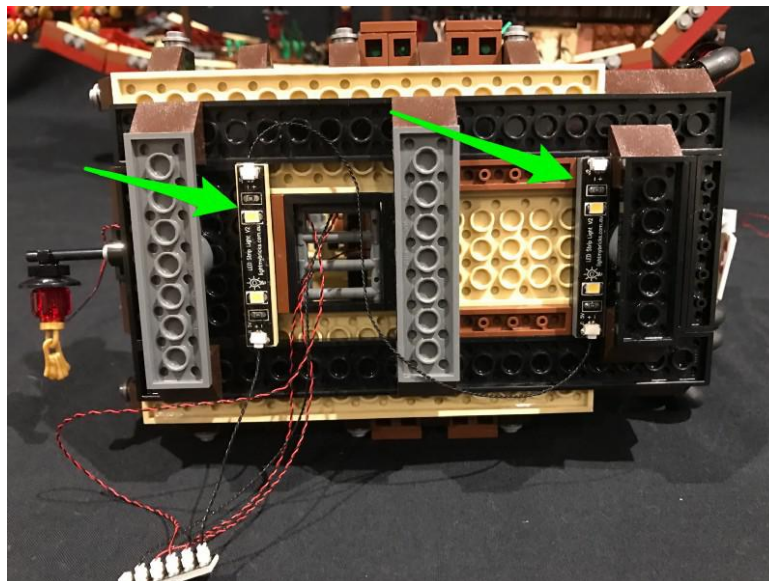




Take a 5cm connecting cable, connect it to one of the strip light, connect the other end to the 6-port expansion board

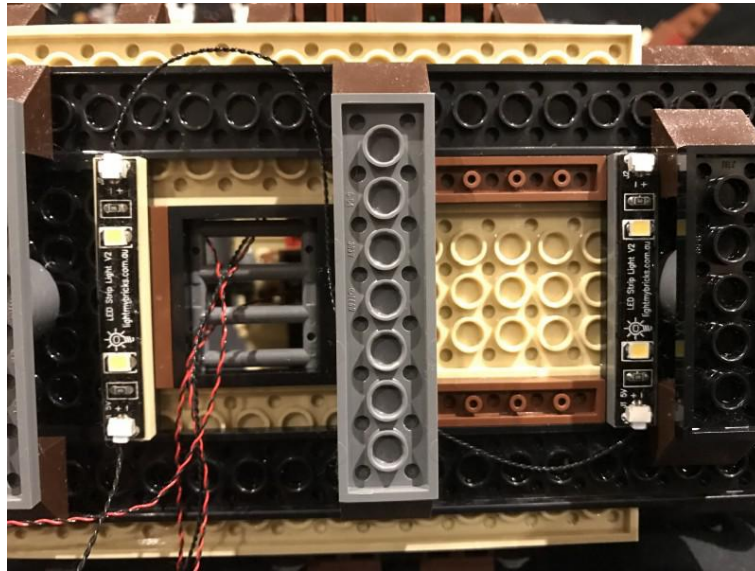


36. ) connect the 2 strip lights to the following places, the strip light with one port should close to the back of the boat

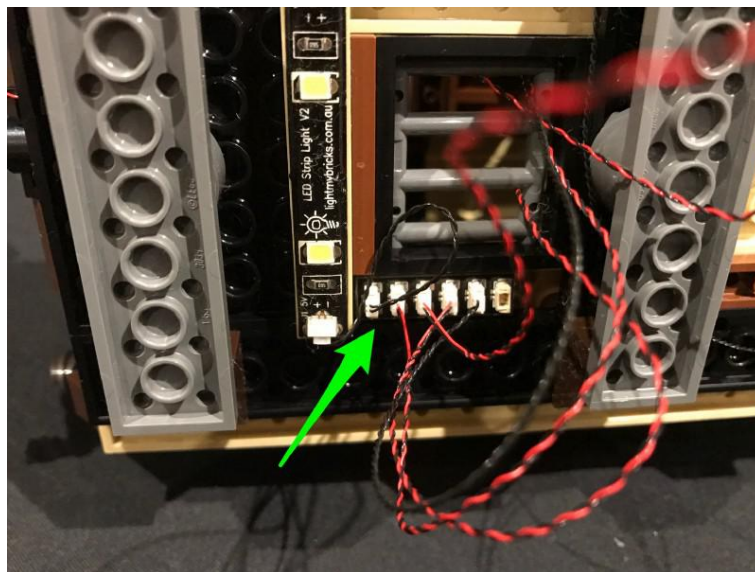


Hide the 15cm connecting cable underneath the gray 1x8 plate

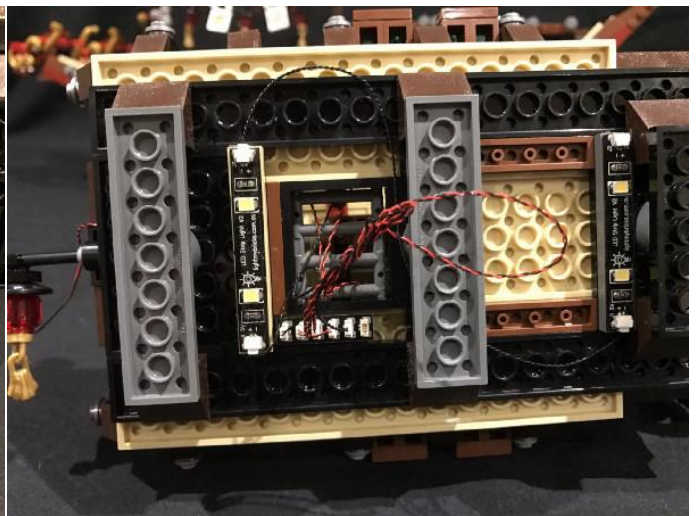
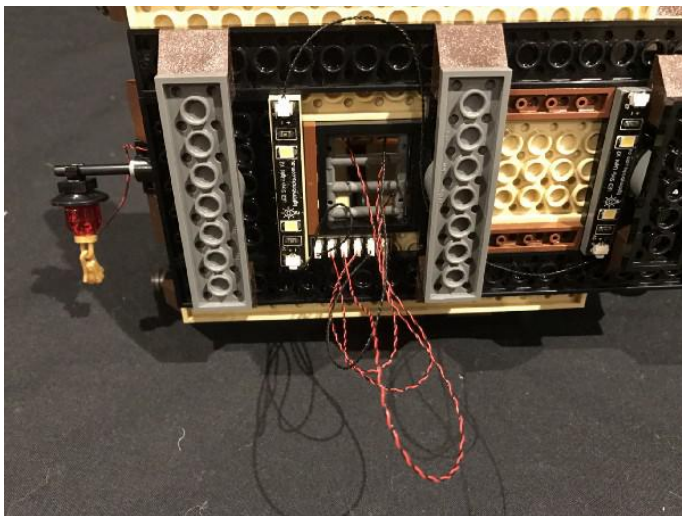




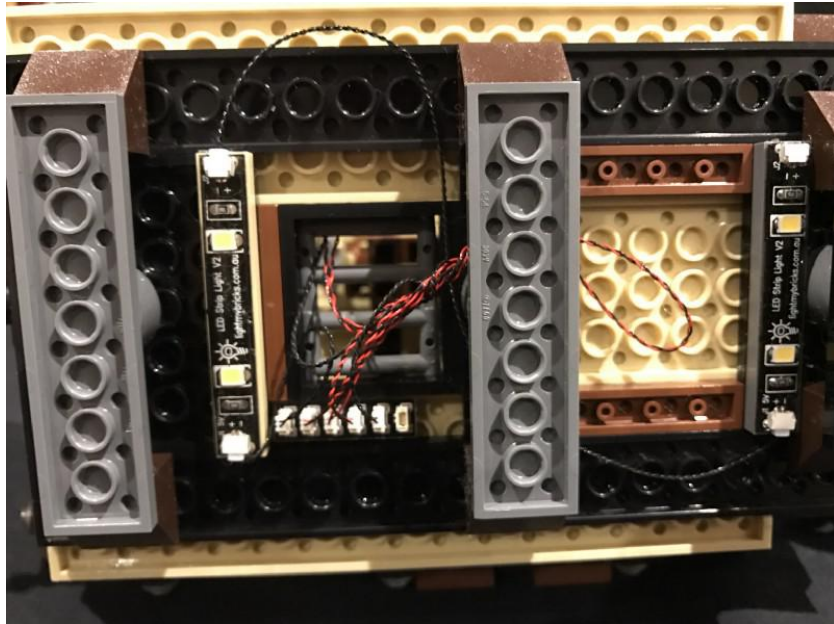
37) stick the expansion board to the following place with adhesive squares



38) thread the other cables through the rail, group them together, hide them underneath the 2x8 plate



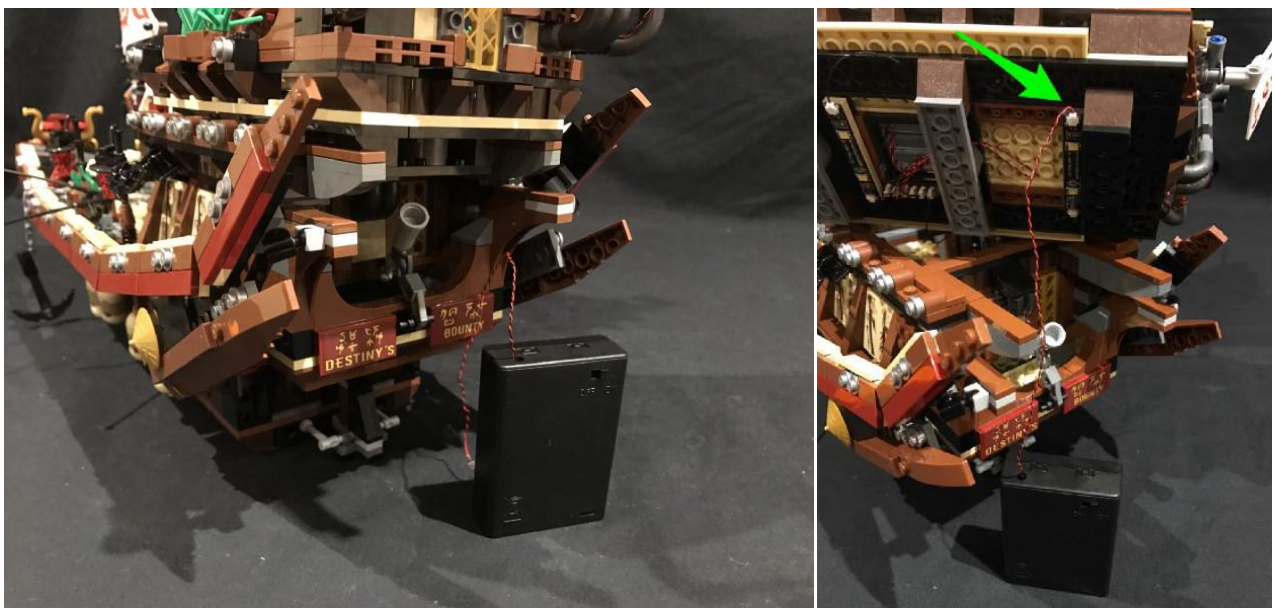




39) place the roof over the boat, connect the other end 30cm connecting cable to the 6-port expansion board



40) take the AA battery pack, place it behind before reconnecting the roof, connect its cable to the following strip light

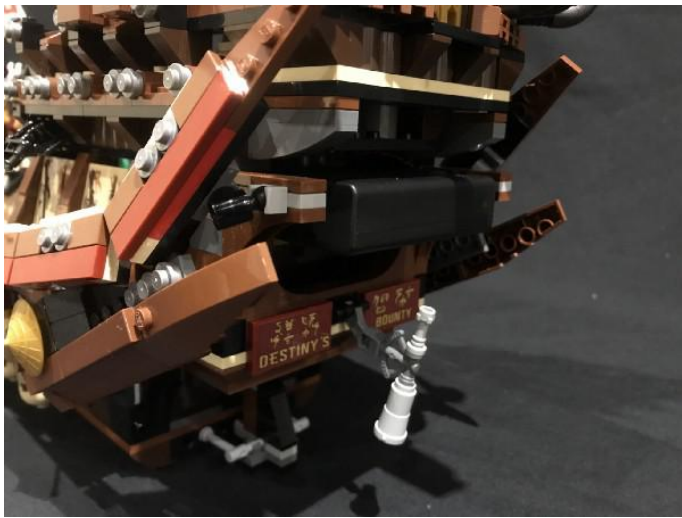


Reconnect the roof





Fold the telescope, place the battery pack in between the 2 floors



This completes installation of this LED Lighting Kit. ENJOY!



