

SILENT MARY #71042 LED LIGHT

Package contents:

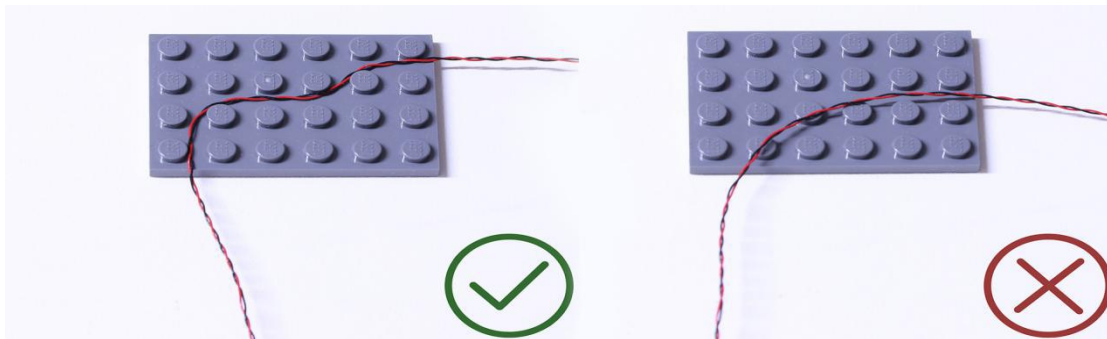
- 3x 30cm White Dot Lights
- 4x 30cm Red Dot Lights
- 4x Warm White Strip Lights
- 2x Blue Strip Lights
- 1x 12-port Expansion Boards
- 1x Multi Effects Board
- 1x 50cm Connecting Cable
- 1x 30cm Connecting Cable
- 4x 15cm Connecting Cables
- 1x 5cm Connecting Cable
- 1x USB Cable
- 10x Adhesive Squares

Extra LEGO pieces

Note:

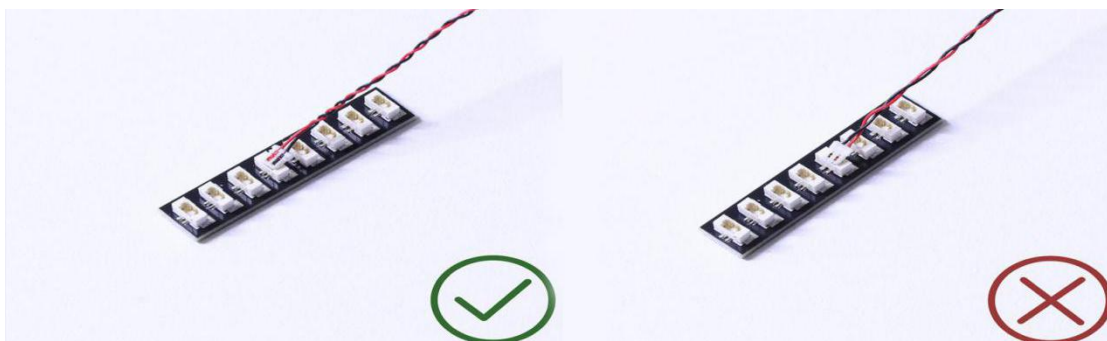
Place wires on the surface or under the LEGO building blocks.

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

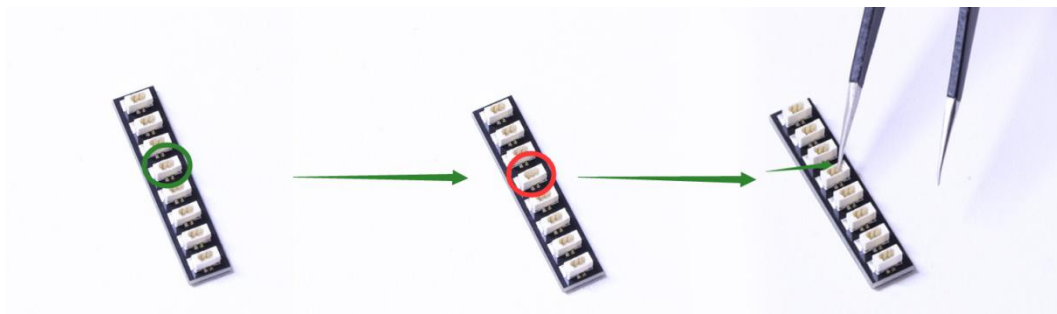


Insert the connectors to the ports.

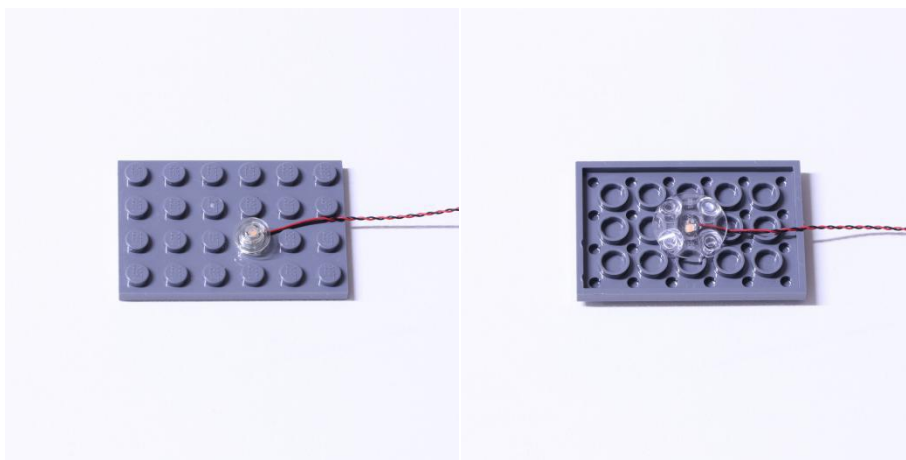
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

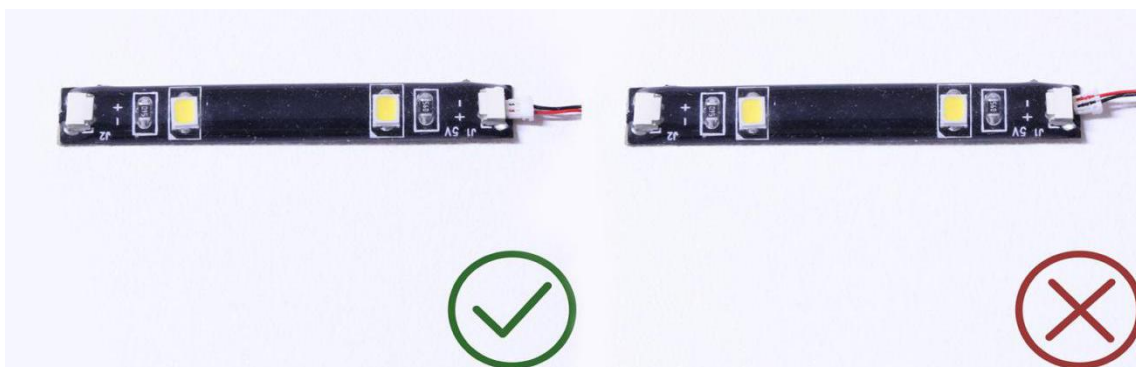


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

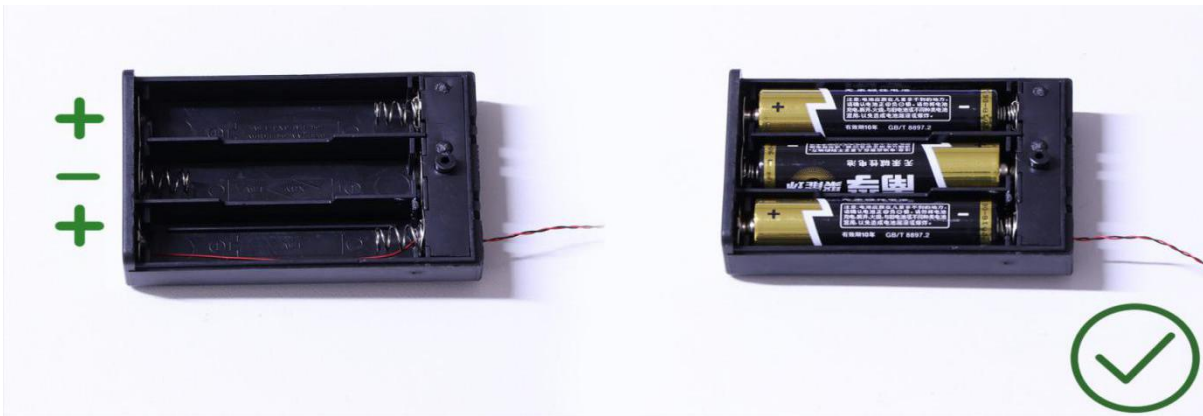


Connecting cable connectors to Strip Lights

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.



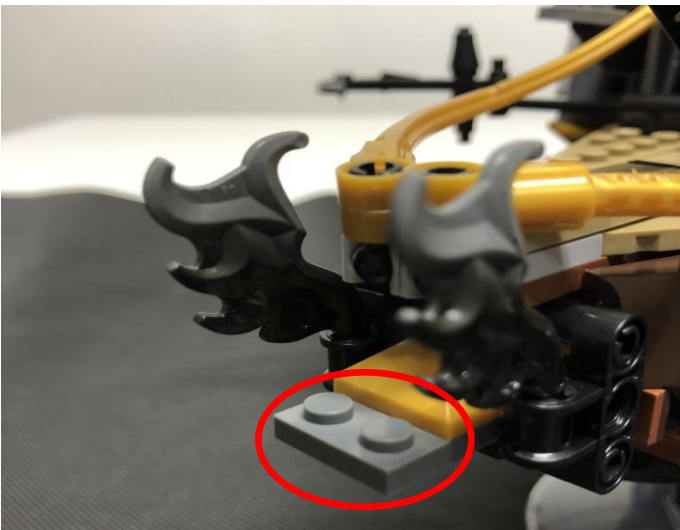
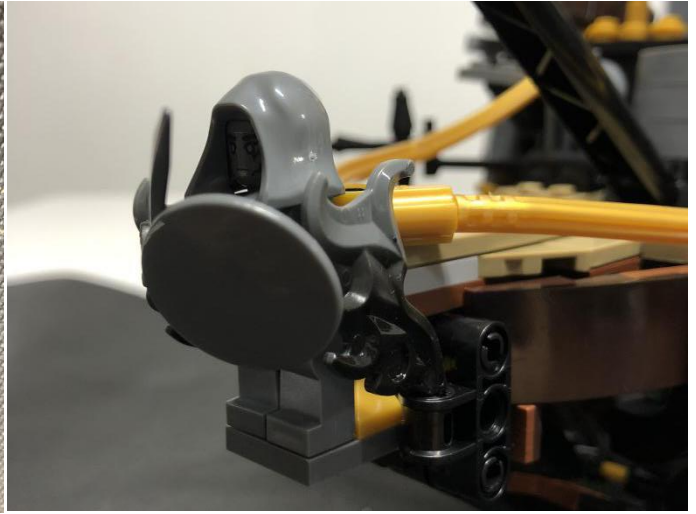
Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.



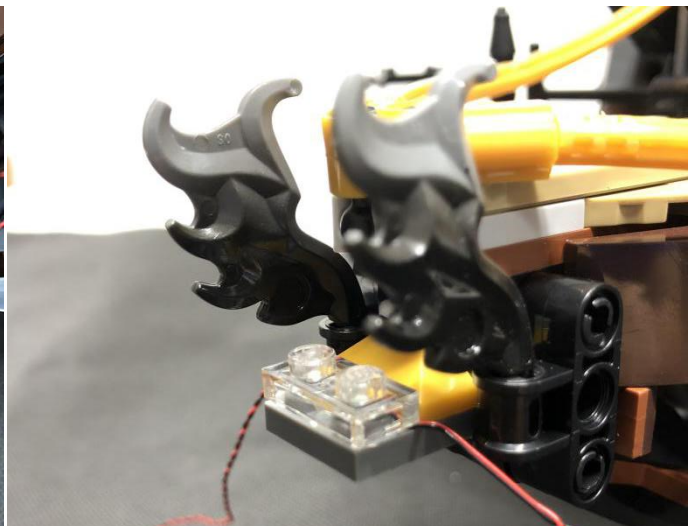
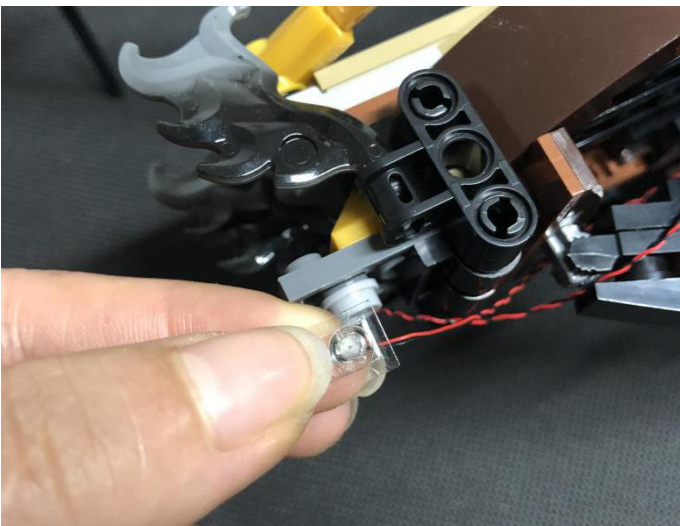
OK, Let's Begin!

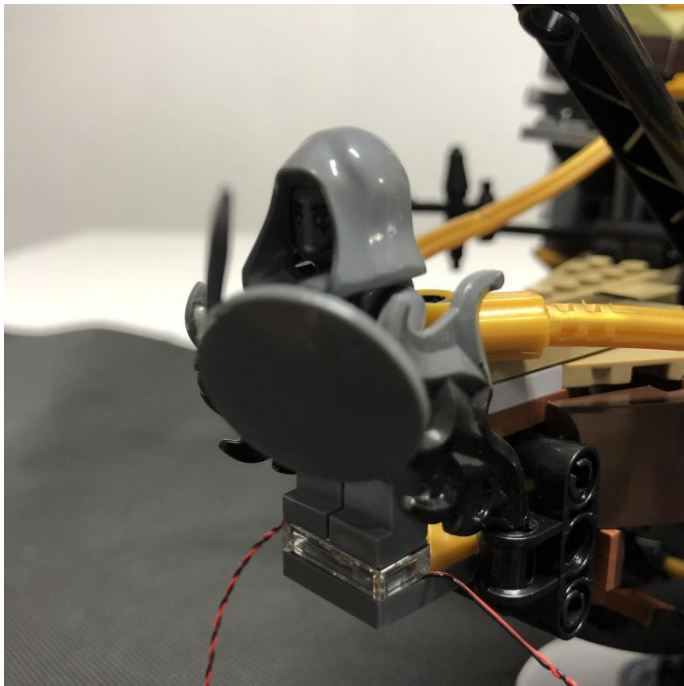
Instructions for installing this kit:

1) take 2 red 30cm dot lights, a trans-red 1x2 plate. Remove the following pieces from the head of the boat

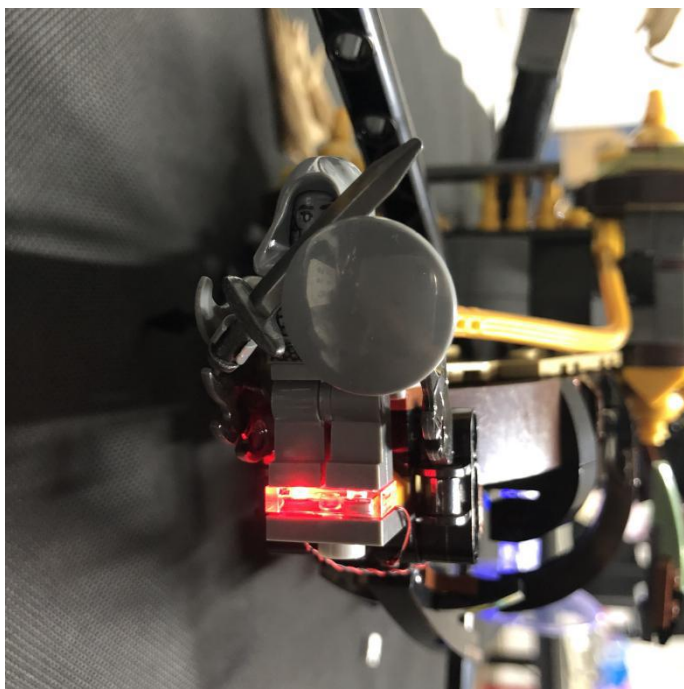


2) with lighting part facing up, connect the lights to the trans 1x2 plate(The transparent parts in the figure below are for demonstration purposes only, subject to shipping accessories.), connect the trans plate to the gray 1x2 plate, reconnect the piece we removed before

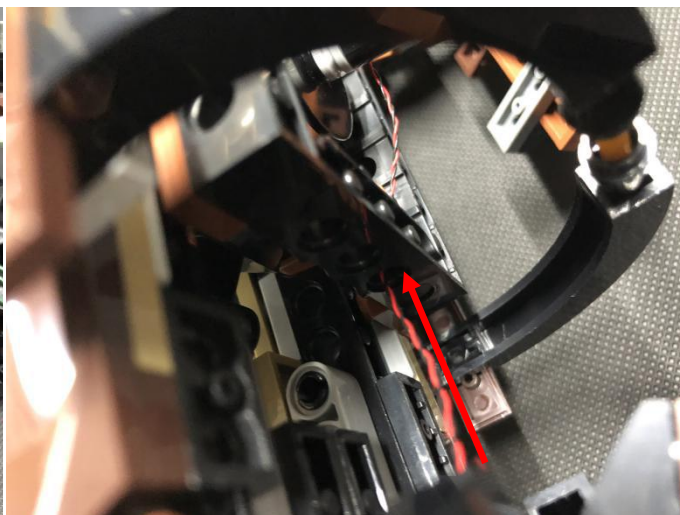


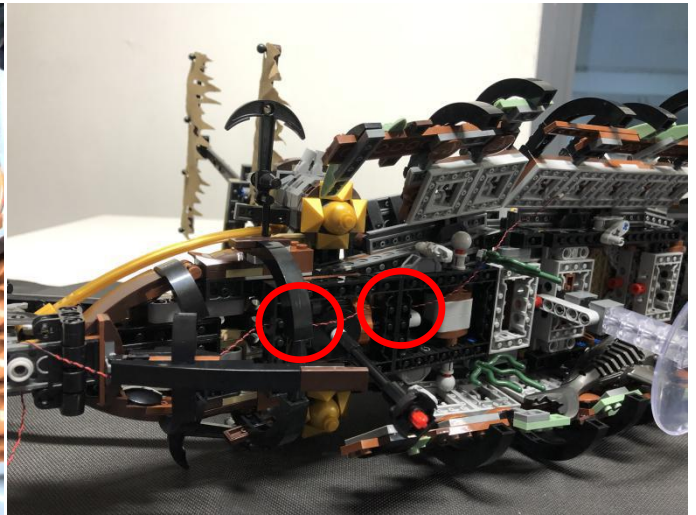
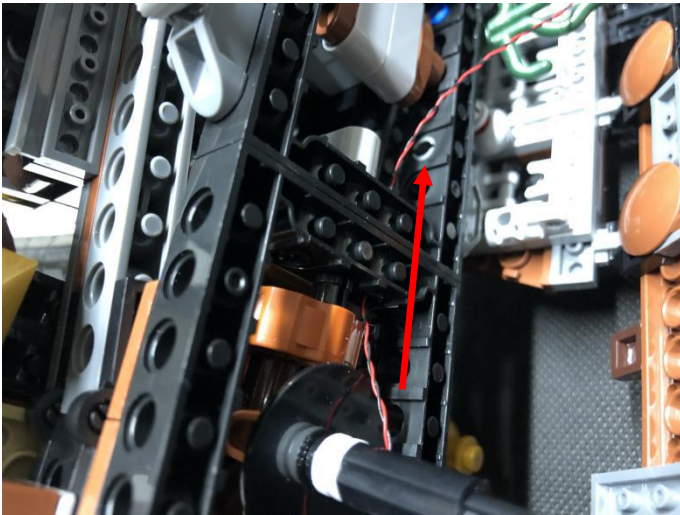


Connect the cables of the lights to the power source to test if the lights are working OK

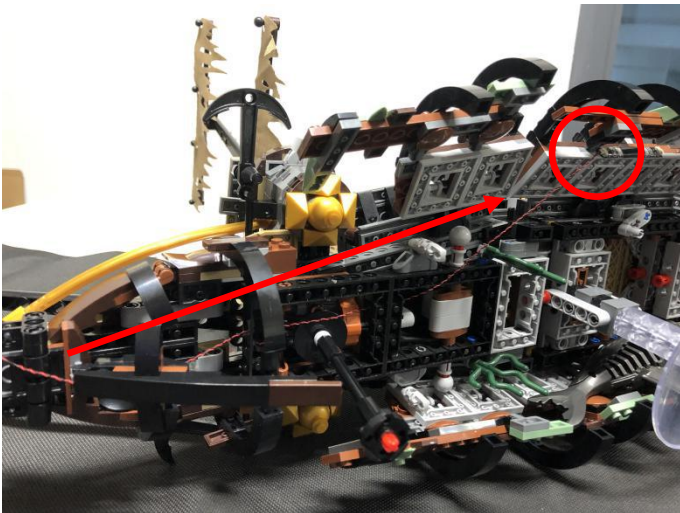
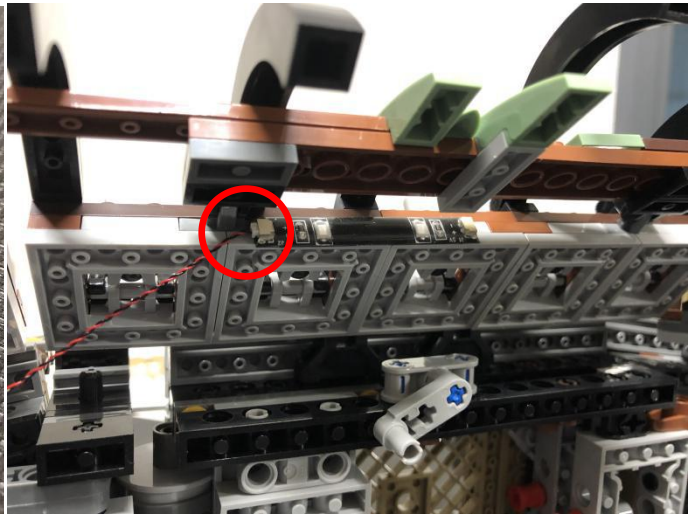


3)place the cables as per below. Thread the cables through the holes on the pieces.

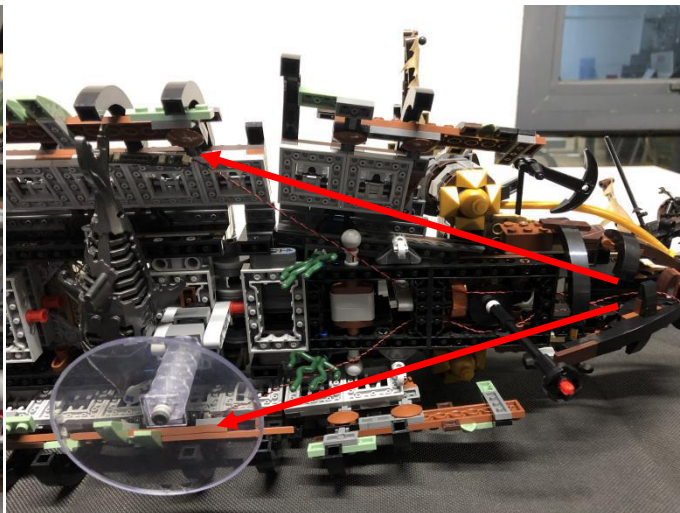
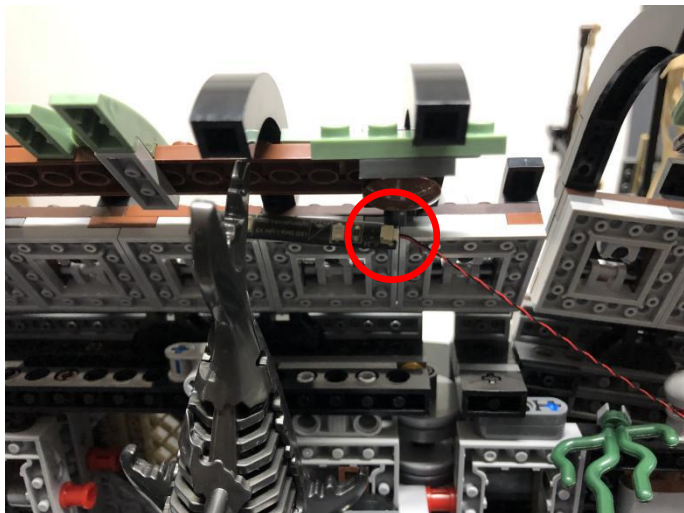




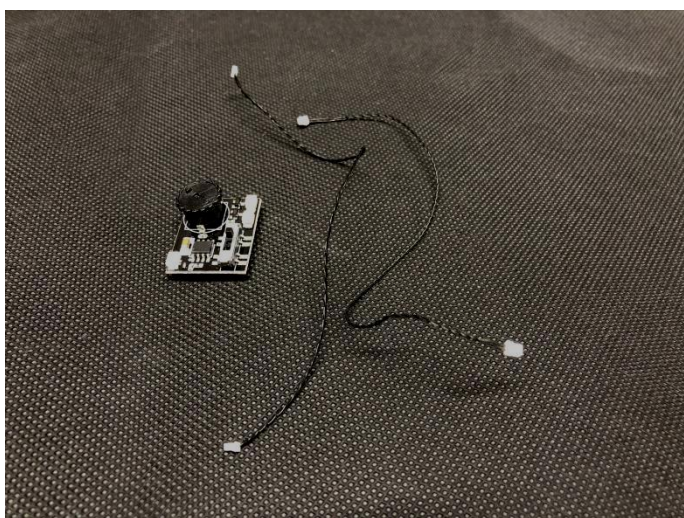
4)take a blue strip light, connect the cable of the red dot light to it.



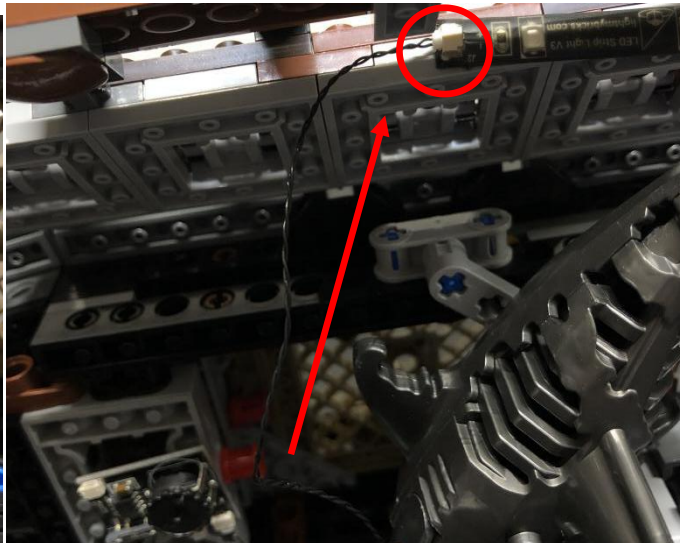
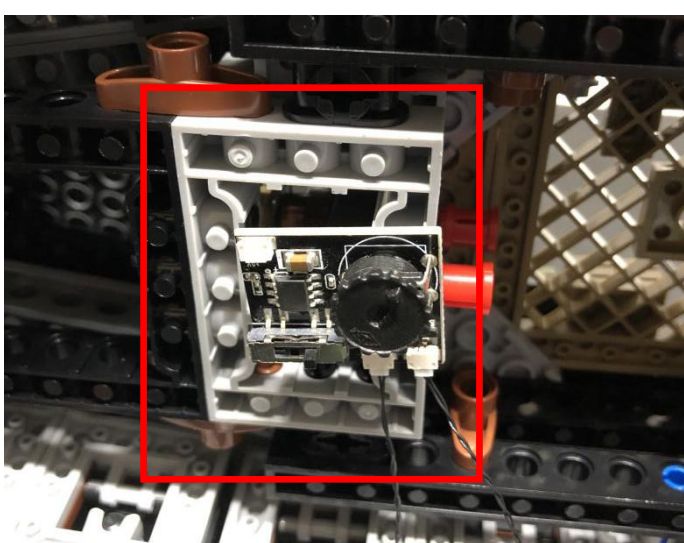
5)take another blue strip light, connect the cable to it as we did for the last strip light

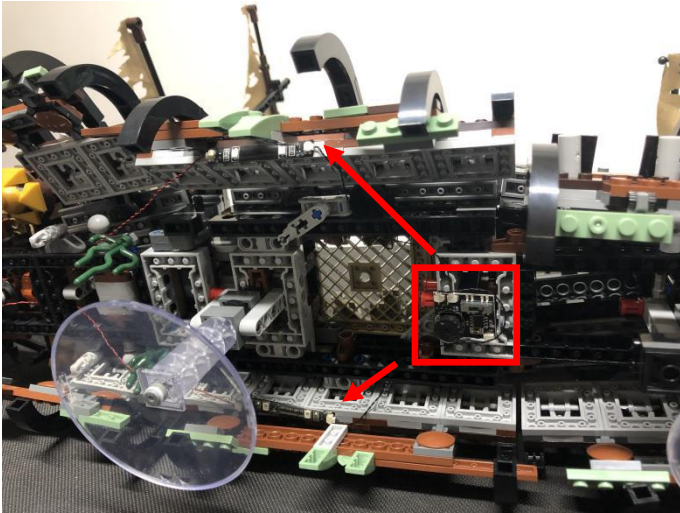


6) take the Multi Effects Board, two 15cm connecting cables, connect the cables to the following ports on the Multi Effects Board

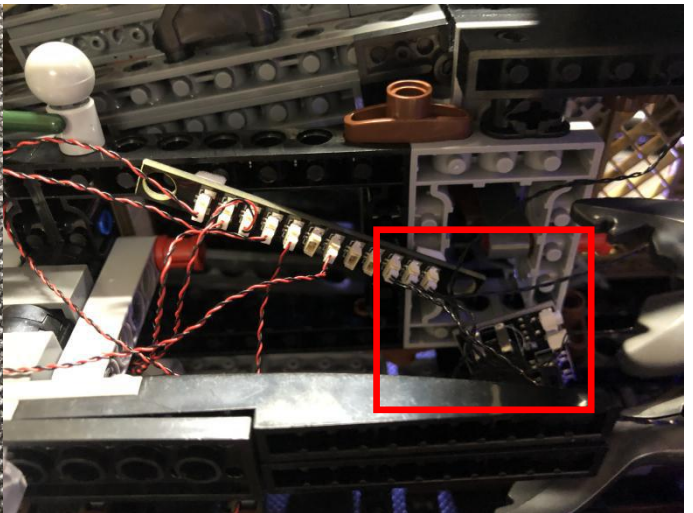
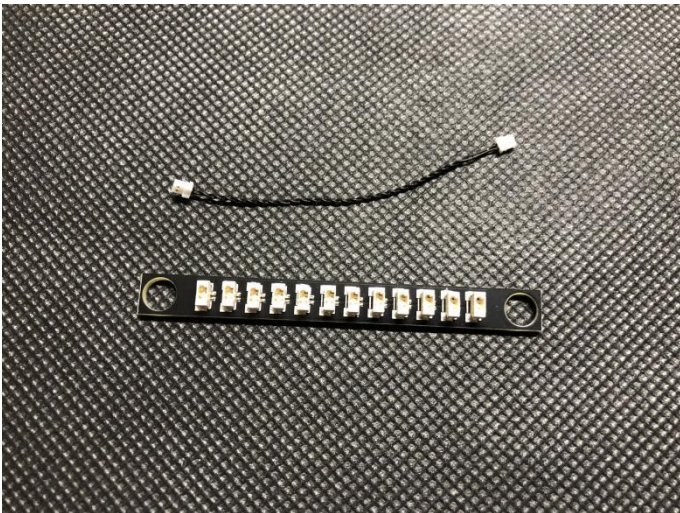


7) stick the Multi Effects Board to the bottom of the boat by using the adhesive squares. Connect the blue strip light from the previous step to it

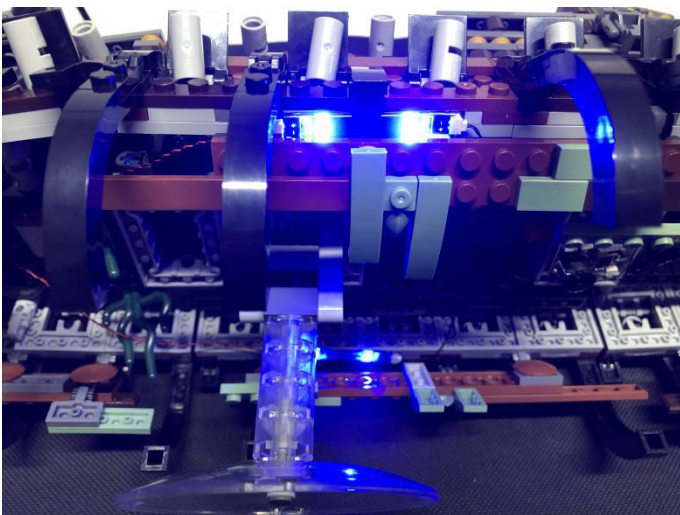




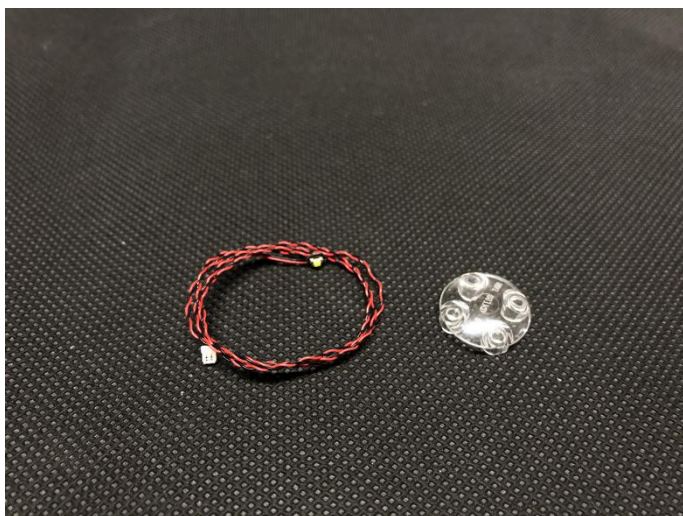
8) take a 5cm connecting cable, a 12-port expansion board, stick the expansion board to the bottom of the boat, connect the expansion board and the Multi Effects Board by using the 5cm connecting cable



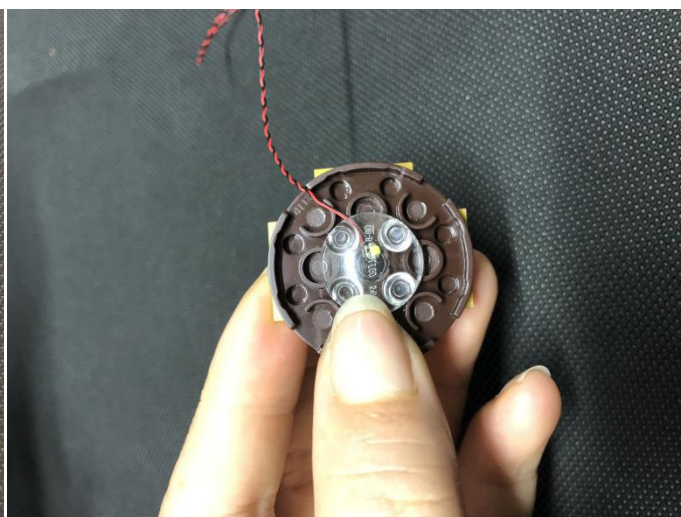
Take a USB cable, connect it to the expansion board, turn the power on to verify the current

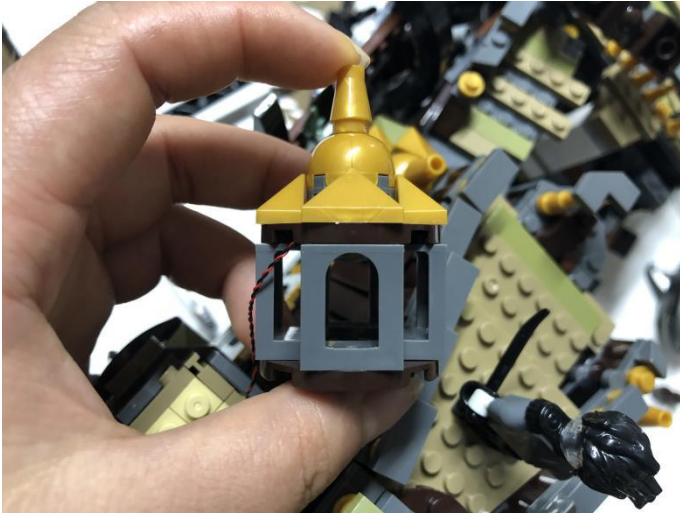


9) remove the first beacon from the stern, take a white 30cm dot light, a trans 2trans 2x2 round plate

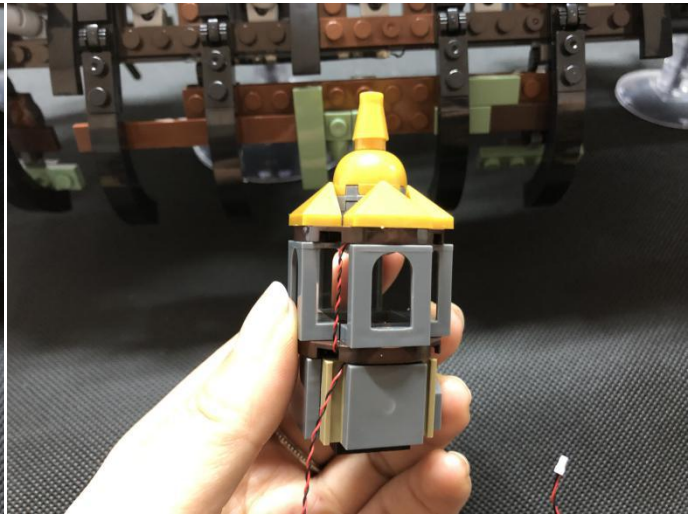
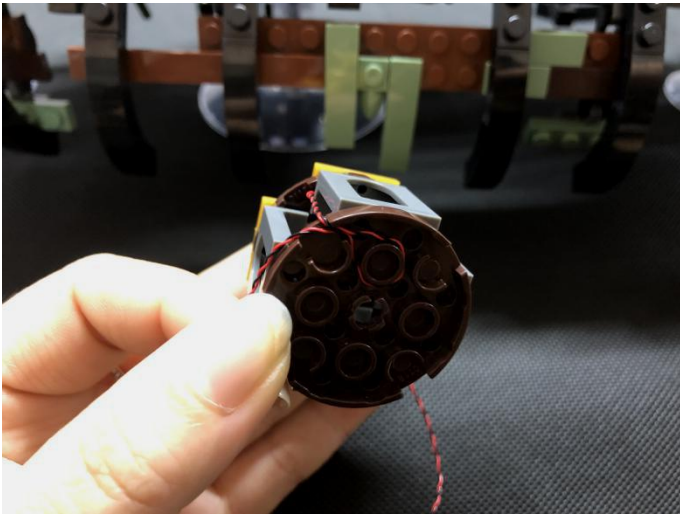


10) remove the top of the beacon, with lighting part facing up, connect the light to the top part, reconnect the top back to the beacon

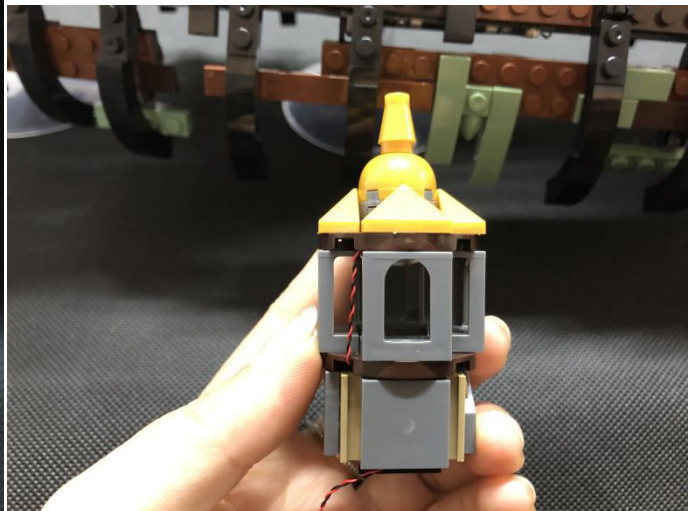
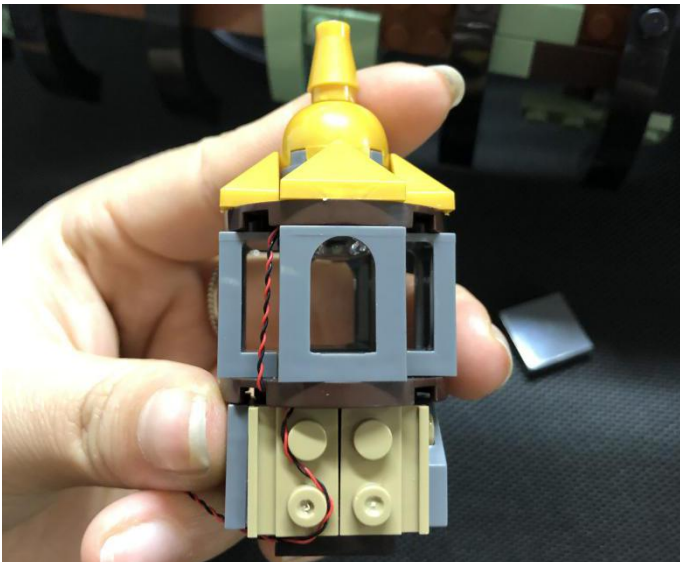




11) wind the cables around the brown piece as per below



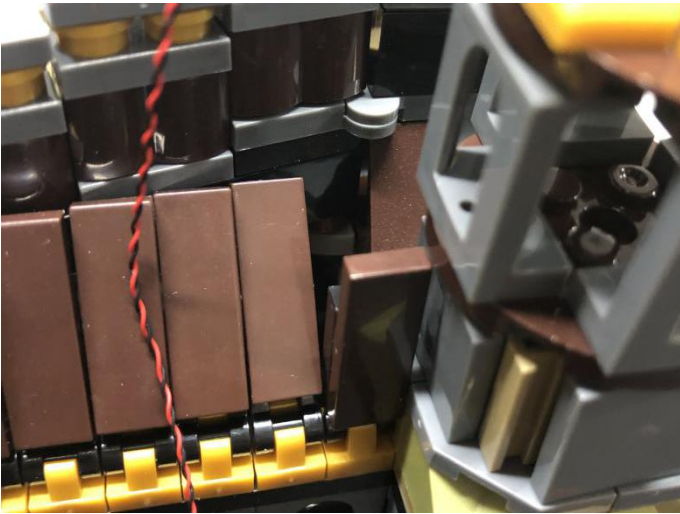
12) remove the gray pieces from the beacon to place the cable, reconnect the gray pieces



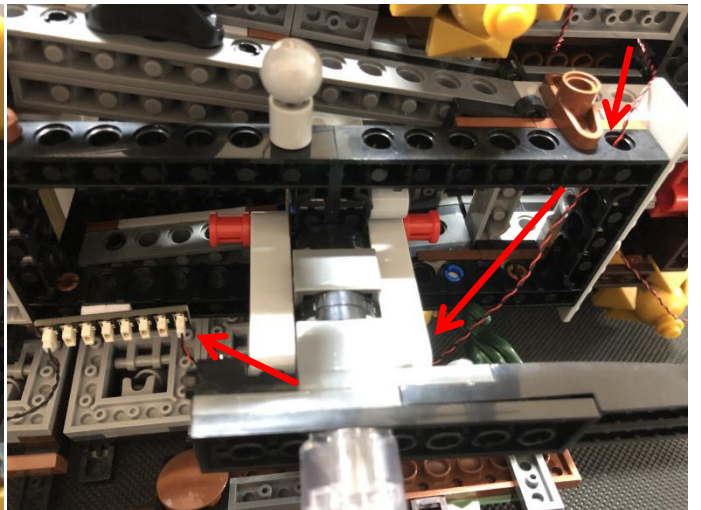
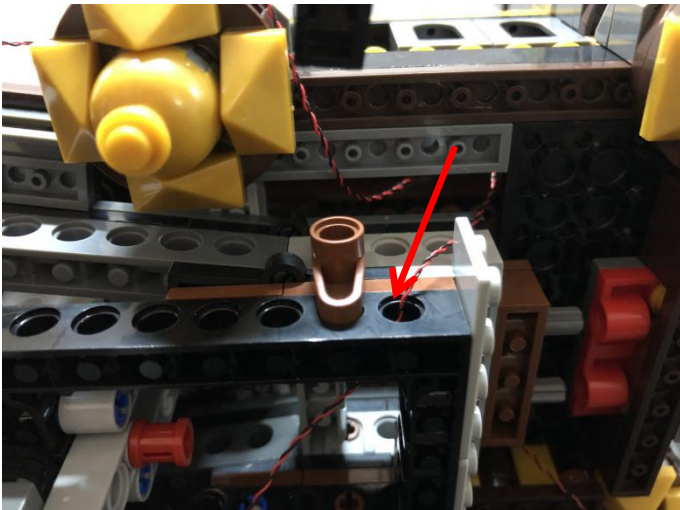
13) reconnect the beacon



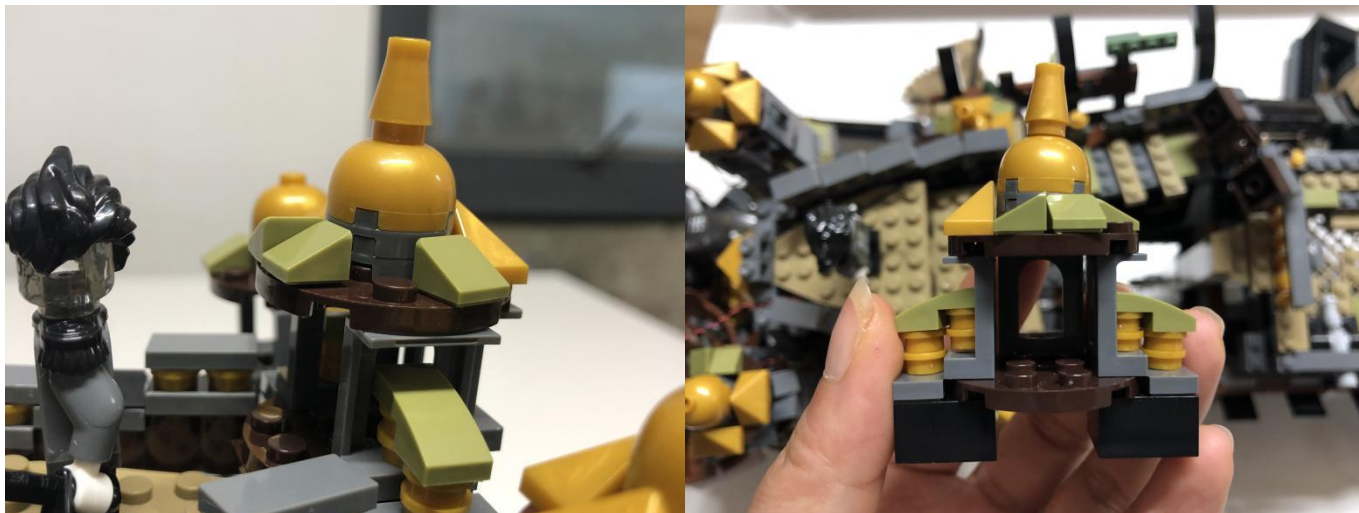
14) open the brown piece to allow the cables thread through as per below



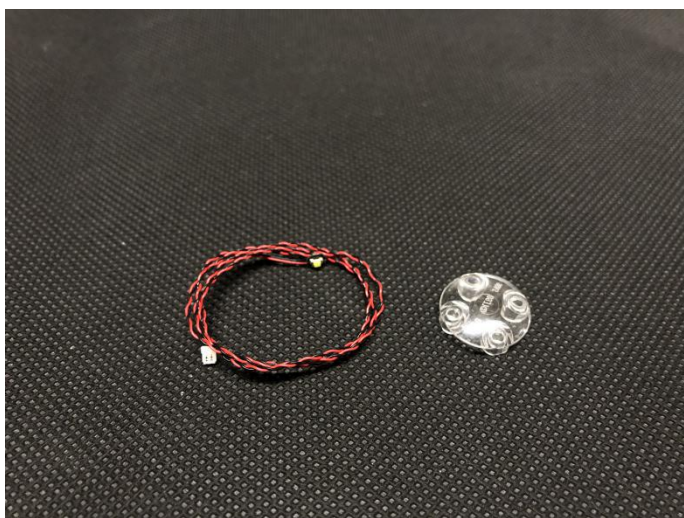
15) then continue to thread the cable through the holes on the pieces underneath the boat, connect the connector to the expansion board, as per below



16) remove the beacon from the middle of the stern



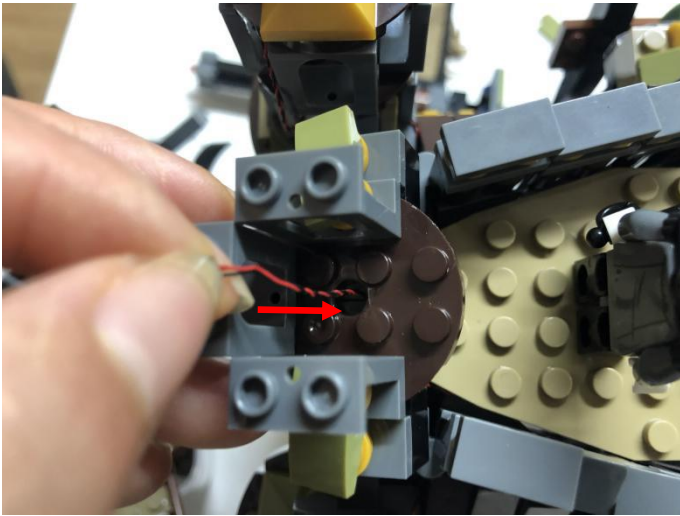
17) take a white 30cm dot light, a trans 2x2 round plate



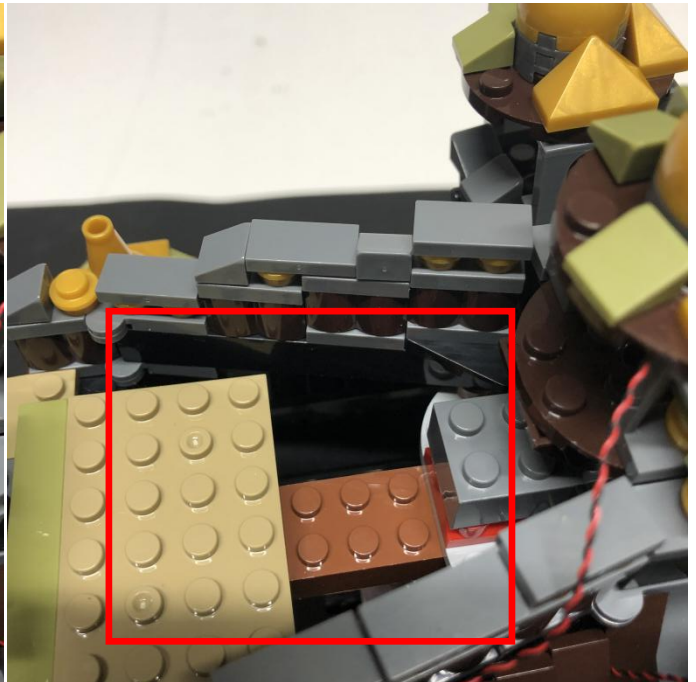
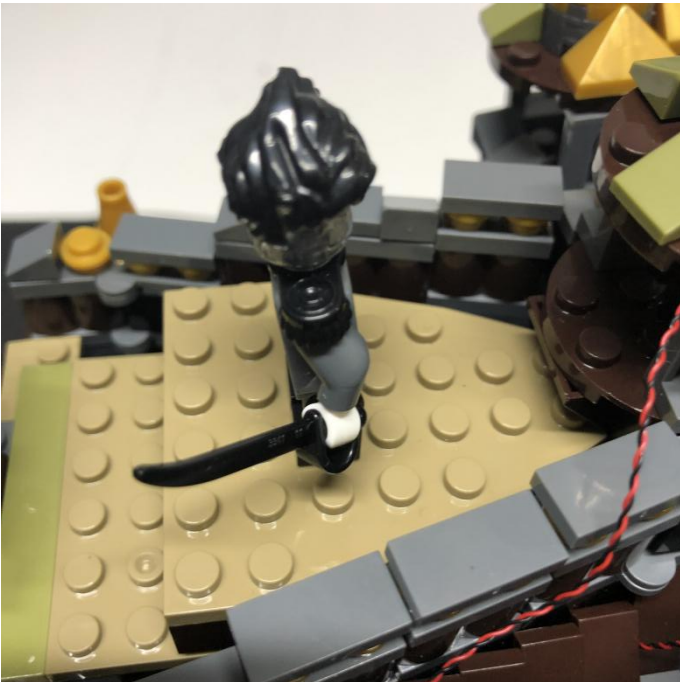
18) remove the top of the beacon, with lighting part facing up, secure the light to the top part, reconnect the top. Thread the cable through the hole in the middle of the brown



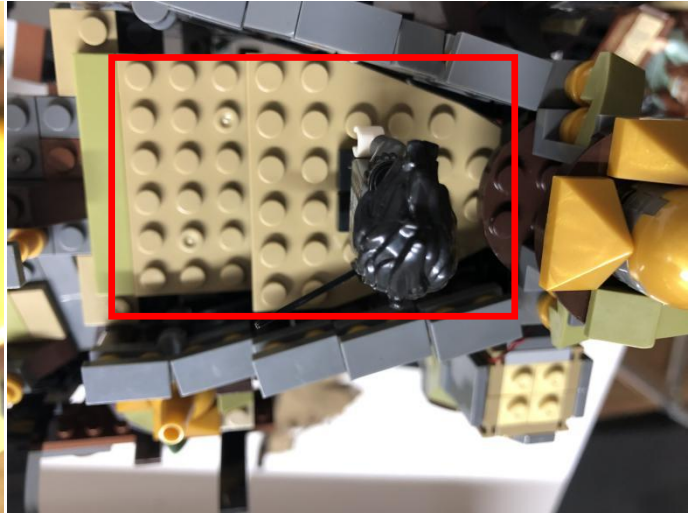
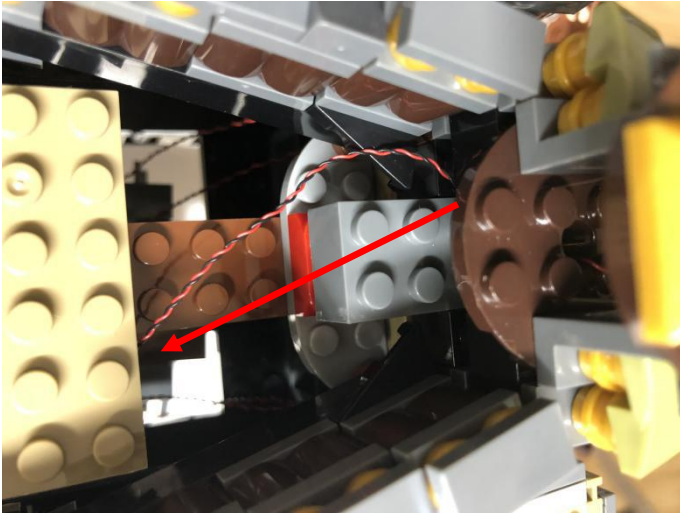
piece



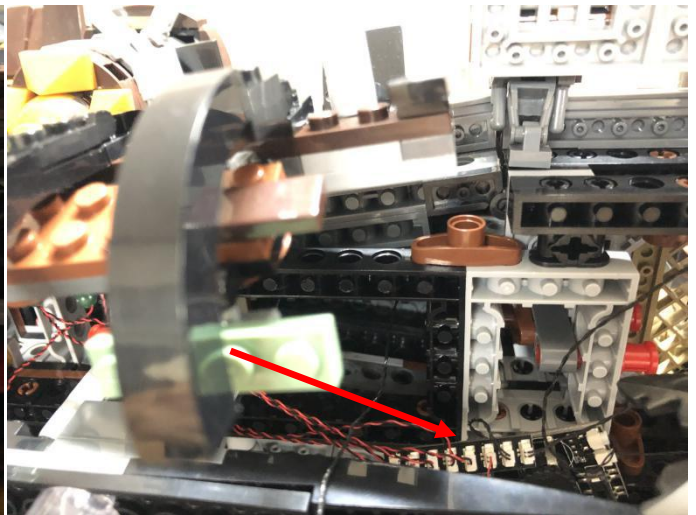
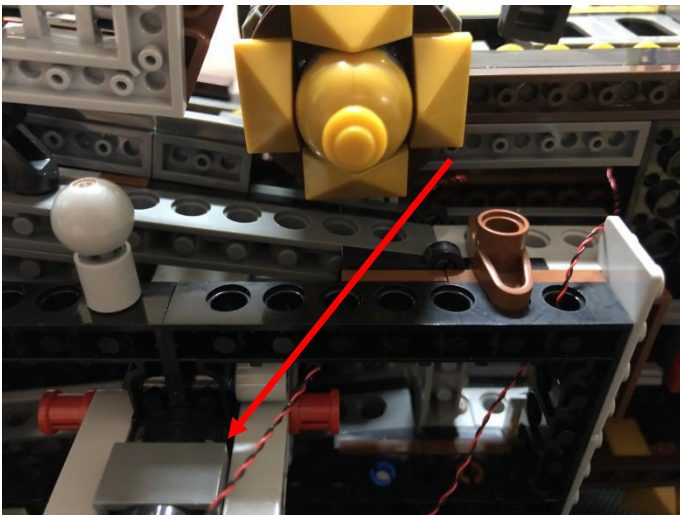
19) open the deck as per below



20) thread the connector of the light through the space underneath the deck, reconnect the deck



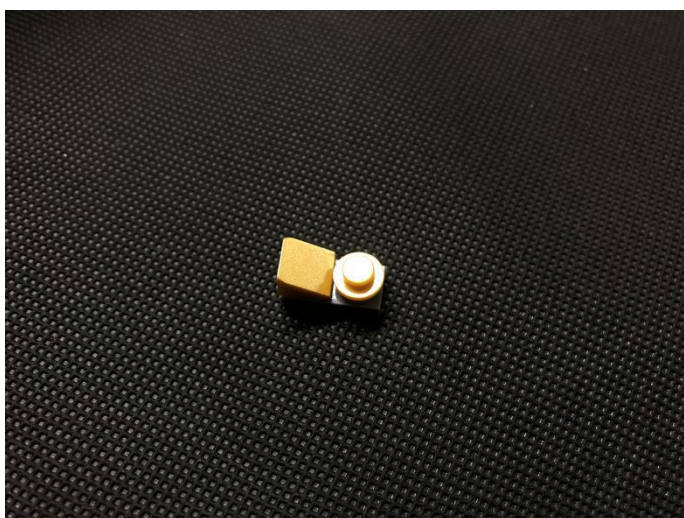
21) continue to thread the cable through the hole on the pieces underneath the boat, connect the connector to the expansion board



22) take another white 30cm dot light, a trans 2x2 round plate, repeat step 10-step 15 to install the light for the last beacon
Turn the power on to test the current!



23) now, move onto installing the taillights. Remove the following yellow pieces from the stern

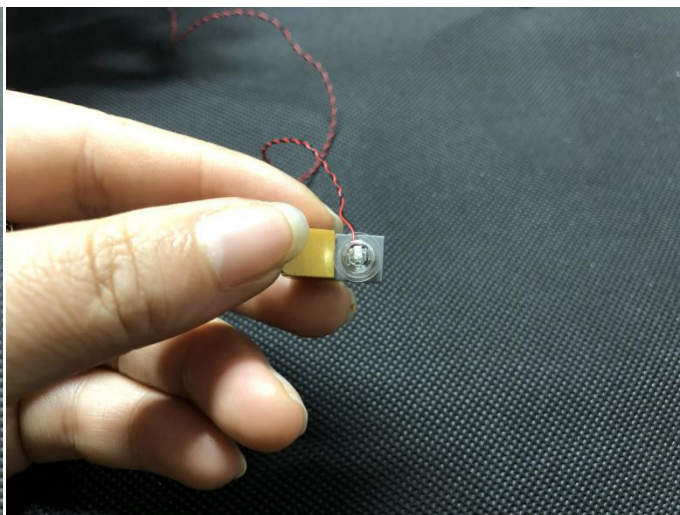
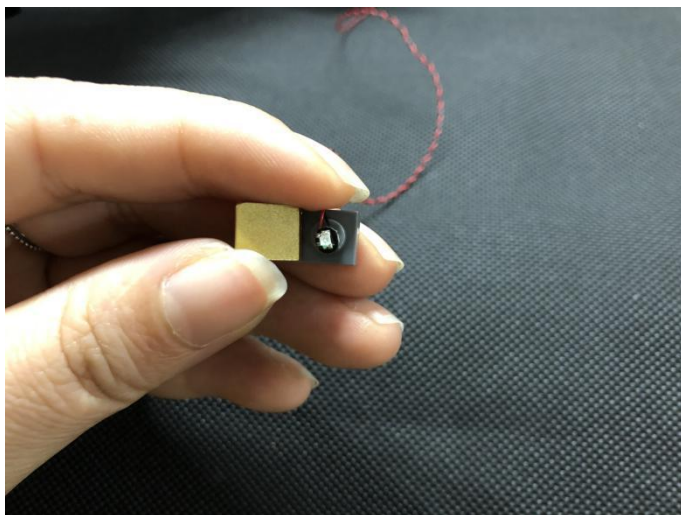


24) take a red 30cm dot light, a trans 1x1 round piece

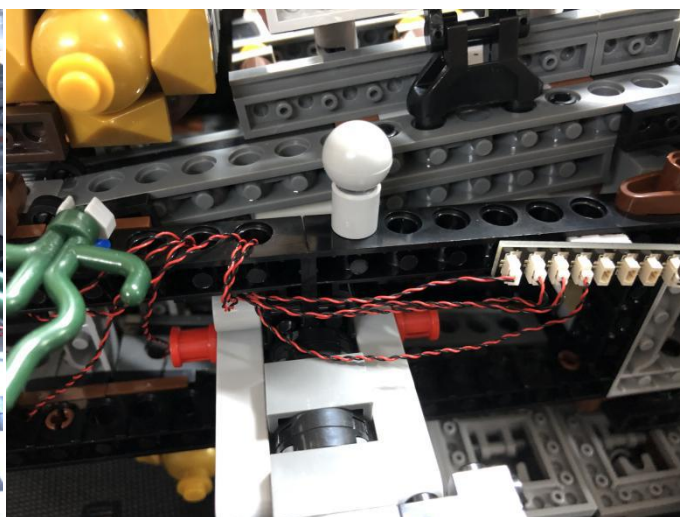
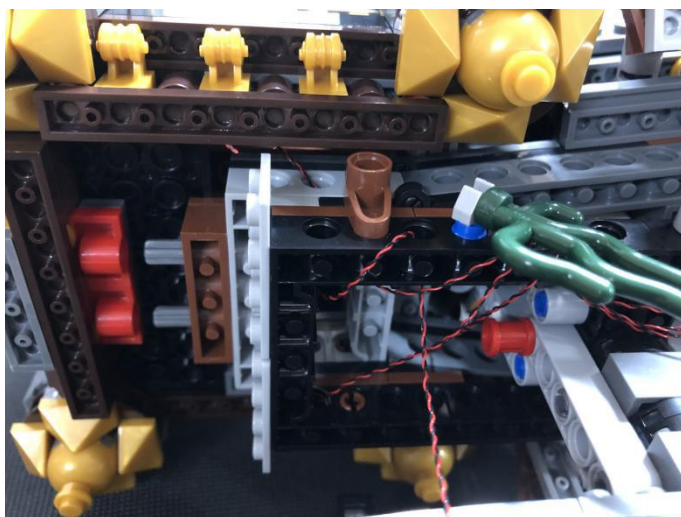
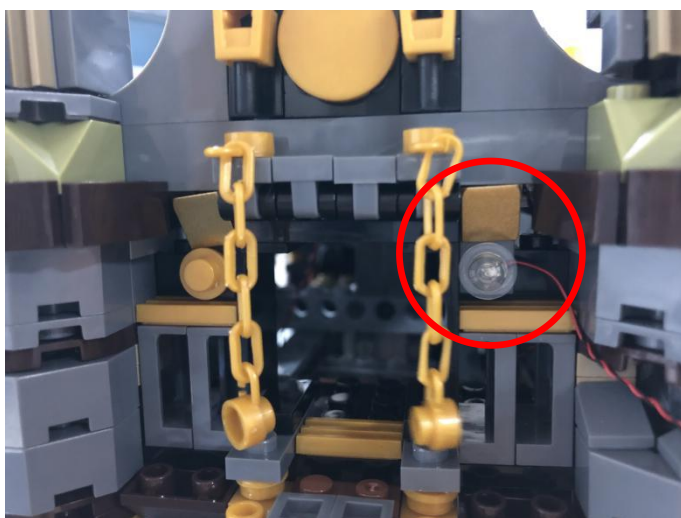


x

25) with lighting part facing up, replace the original 1x1 piece with the trans piece to secure the light

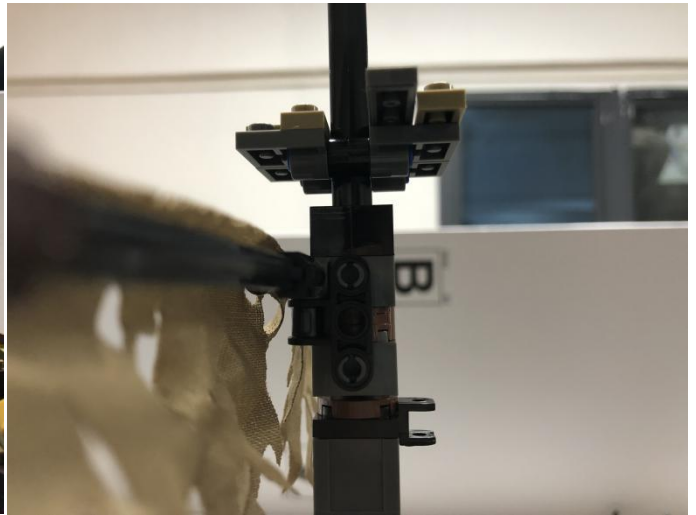


26) reconnect the light, place the cable per below. Thread the cable through the cabin to the bottom of the boat and thread it through the holes on the pieces



27) take a red 30cm dot light, a trans 1x1 round piece. Repeat the steps above to install another taillight

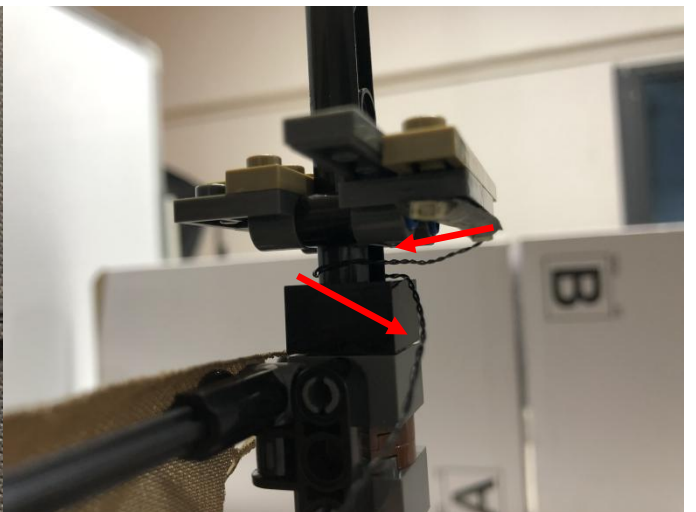
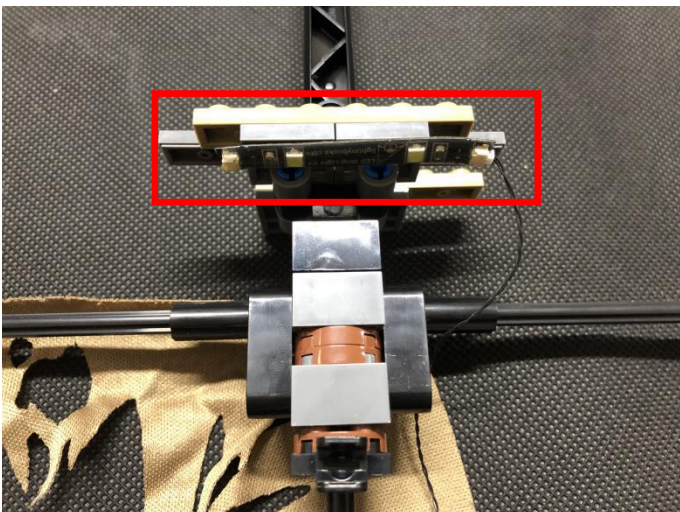
28) continue to install light for the sail



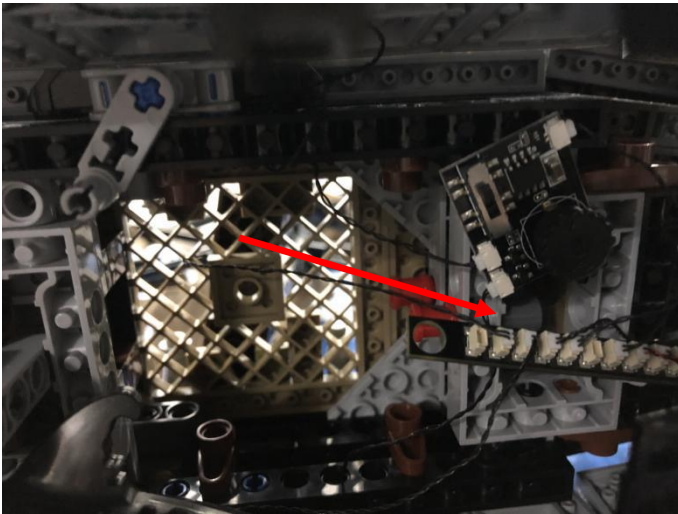
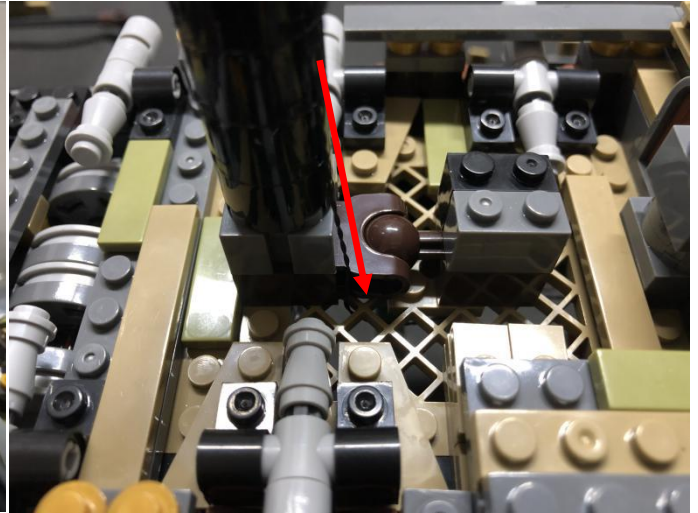
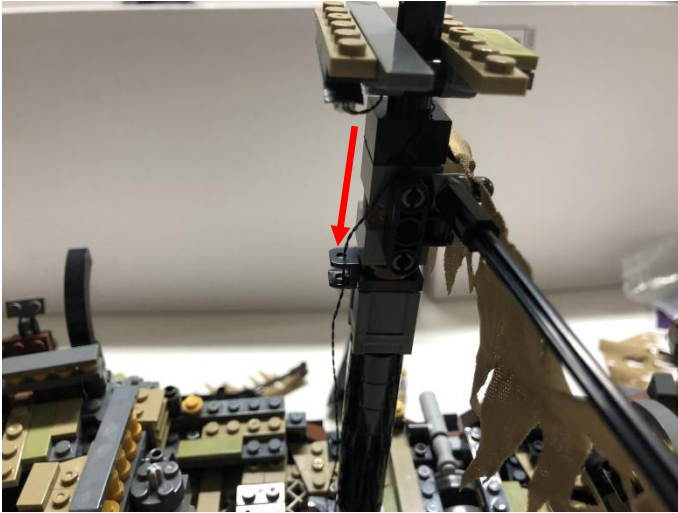
29) take a 30cm connecting cable, a warm white strip light. Connect the cable to one port on the strip light



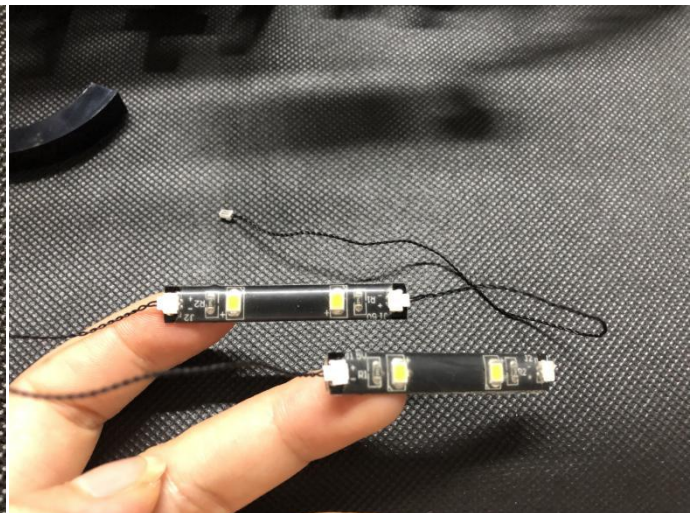
30) stick the strip light to the pole of the sail, wind the cable around the pole



31) thread the cable through the hole on the pole, pull the cable to the cabin, connect it to the expansion board underneath



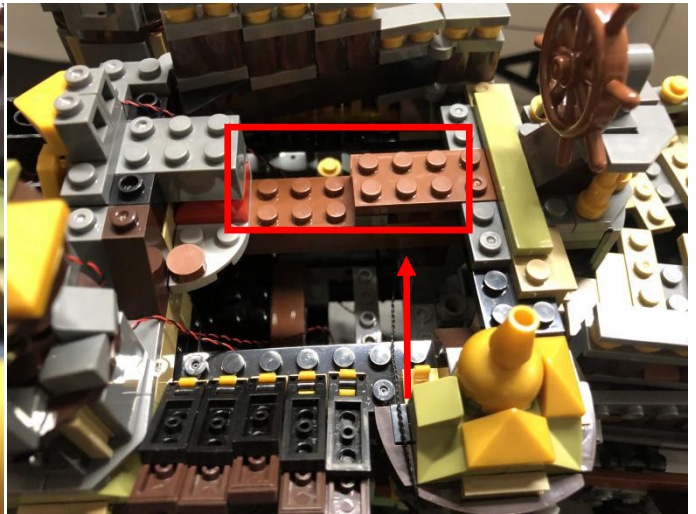
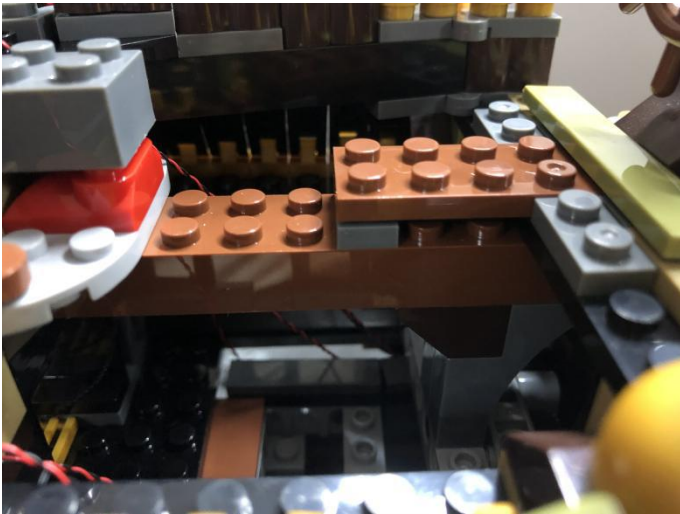
32) now, we' ll install lights for the cabin. Take 2 warm white strip lights, two 15cm connecting cables, assemble them as per below



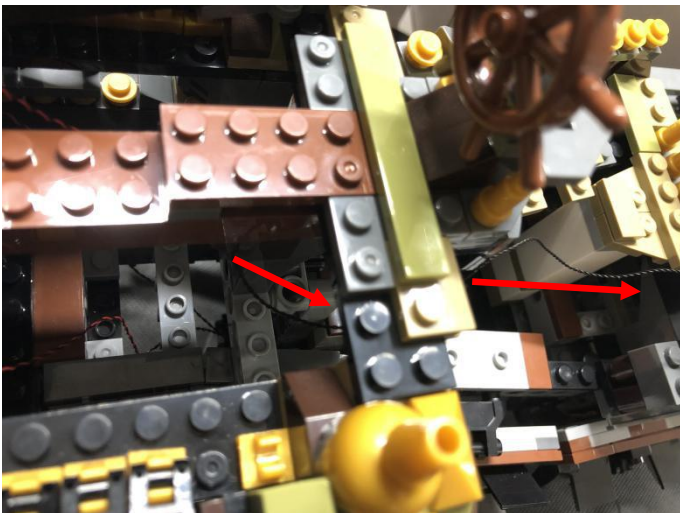
33) open the deck at the stern



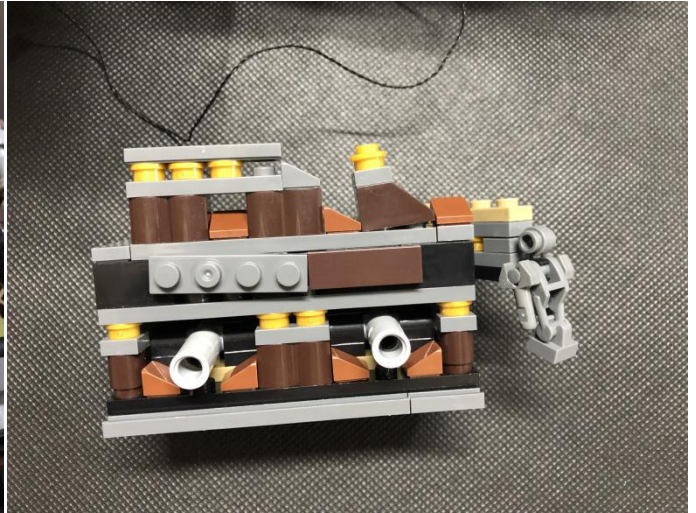
34) stick the strip light with one port connected to the following beam



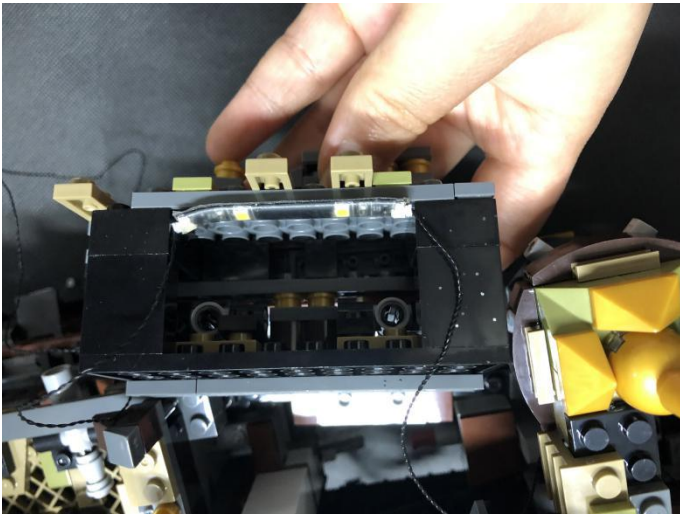
Thread the cable through the cabin to the place underneath the rudder



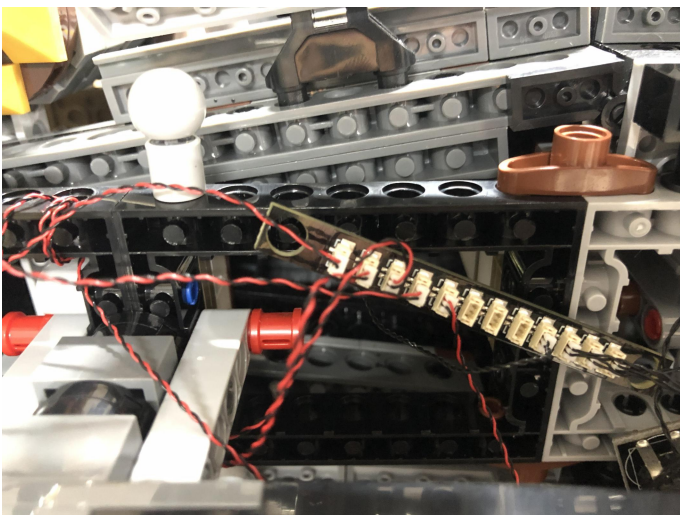
35) remove half of the cabin under the rudder as per below



36) connect the other strip light to the top of the part we removed, reconnect this part



37) place the cable on the strip light as per below, then connect it to the expansion board underneath the boat



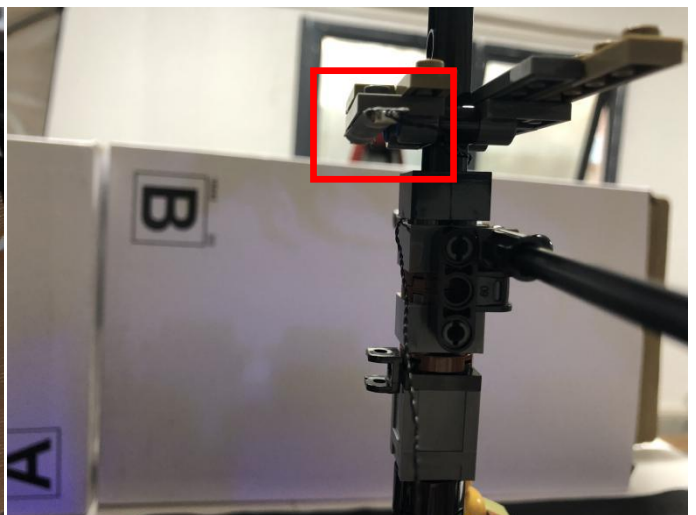
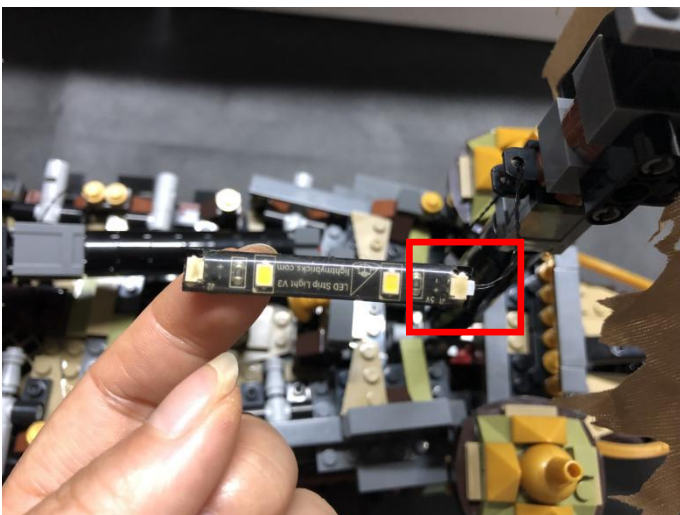
38) install light for the sail at the head of the boat



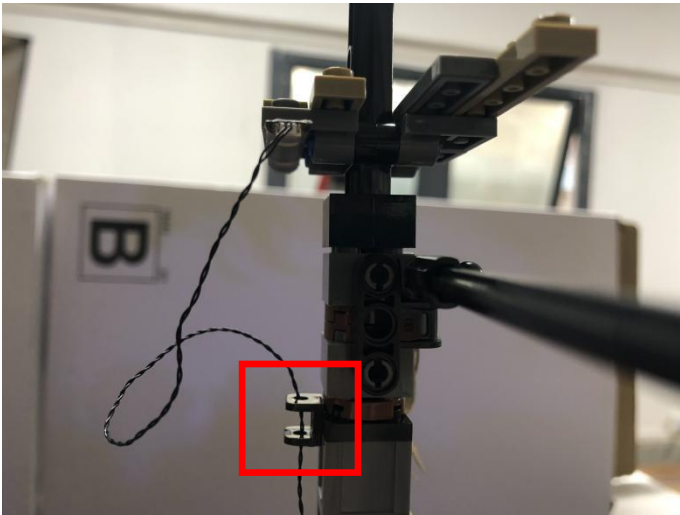
39) take a warm white strip light, a 50cm connecting cable



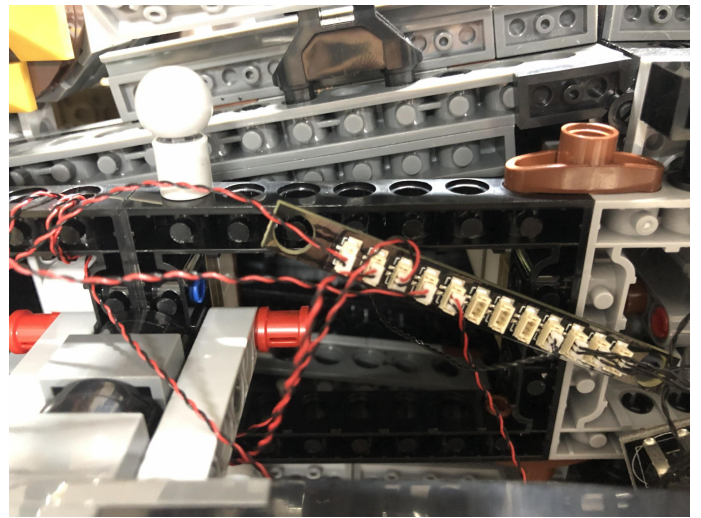
40) connect the connecting cable to the strip light, stick the strip light to pole



41) thread the cable through the hole on the pole



42) continue to pull the connector side of the cable to the bottom of the boat, connect it to the expansion board



This completes installation of this LED Lighting Kit. ENJOY!

