

Light My Bricks: Old Fishing Store Lighting Kit



Here is the instructions document for the LEGO Old Fishing Store LED lighting kit. Please read and follow the steps carefully to ensure this lighting kit is installed properly.

If you run into any issues, please refer to the online **troubleshooting guide**.

This user guide is also available to download in PDF format **here**.



Package contents:

- 4x **White 15cm Bit Lights**
 - 3x **White Strip Lights**
 - 1x **6-Port Expansion Board**
 - 1x **30cm Connecting Cable**
 - 1x **15cm Connecting Cable**
 - 1x **5cm Connecting Cable**
 - 1x **AA Battery Pack** (requires 3x AA Batteries)
- OR
- 1x **USB Power Cable**

Note – AA Battery Pack will be replaced with USB Power Cables from mid April 2020

LEGO pieces

- 2x Plates 1×6

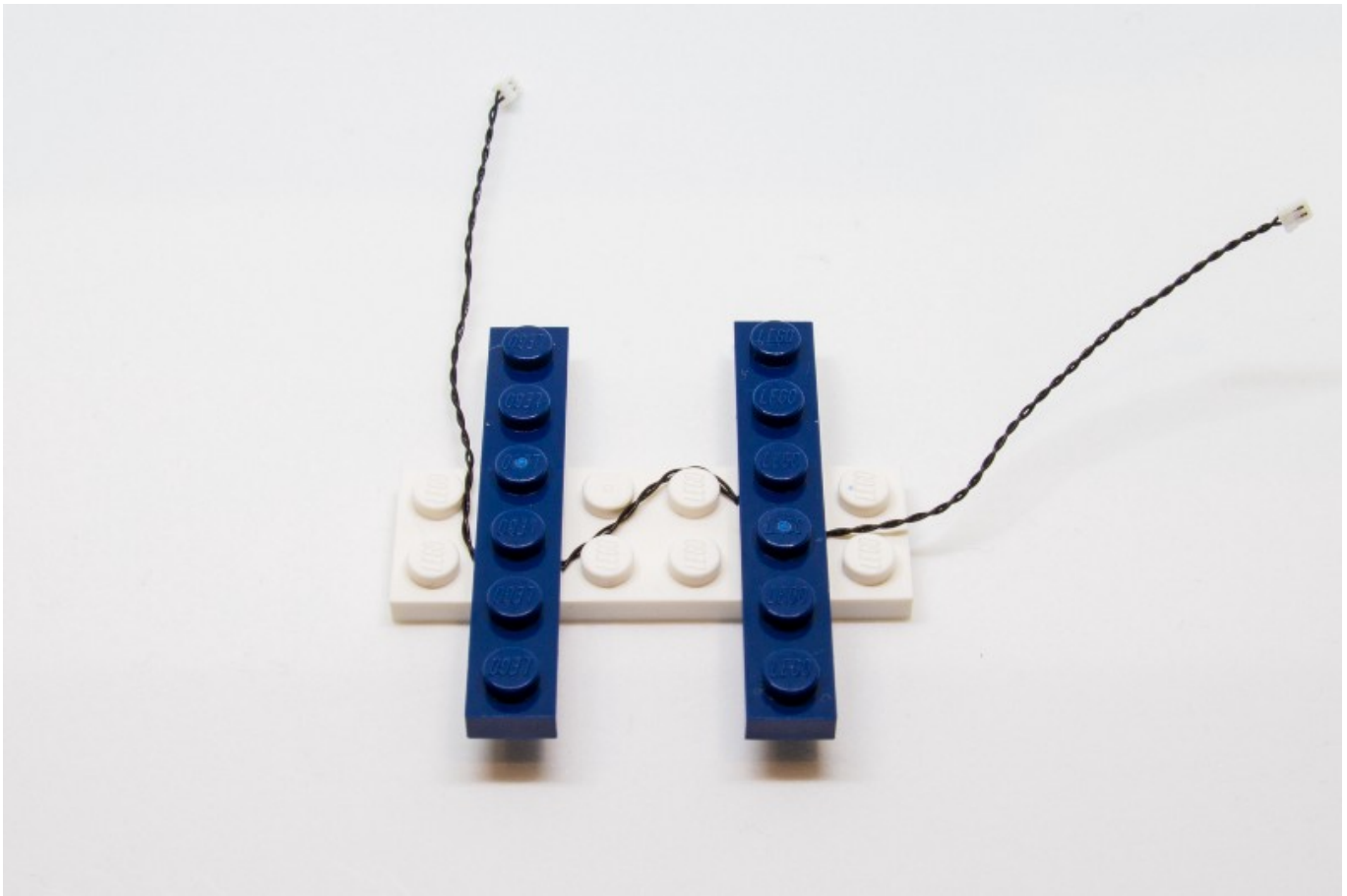
Important things to note:

Laying cables in between and underneath bricks

Cables can fit in between and underneath LEGO® bricks, plates, and tiles providing they are laid correctly between the LEGO® studs. Do NOT forcefully join LEGO® together around cables; instead ensure they are laying comfortably in between each stud.







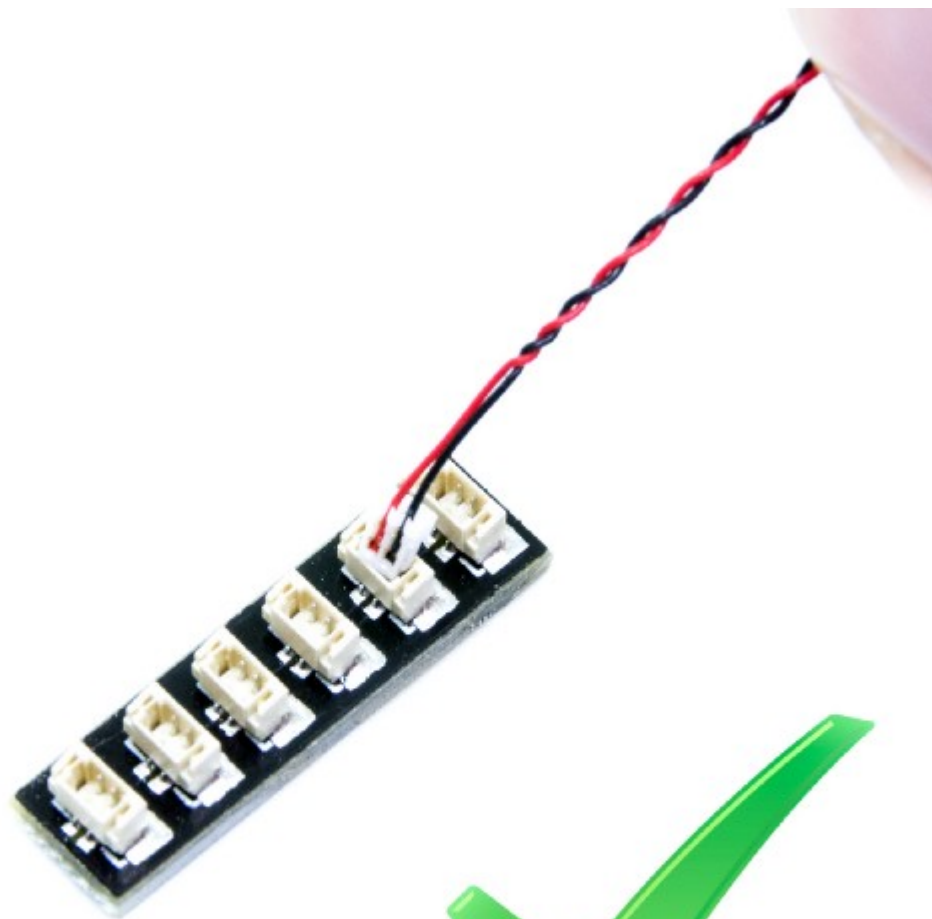
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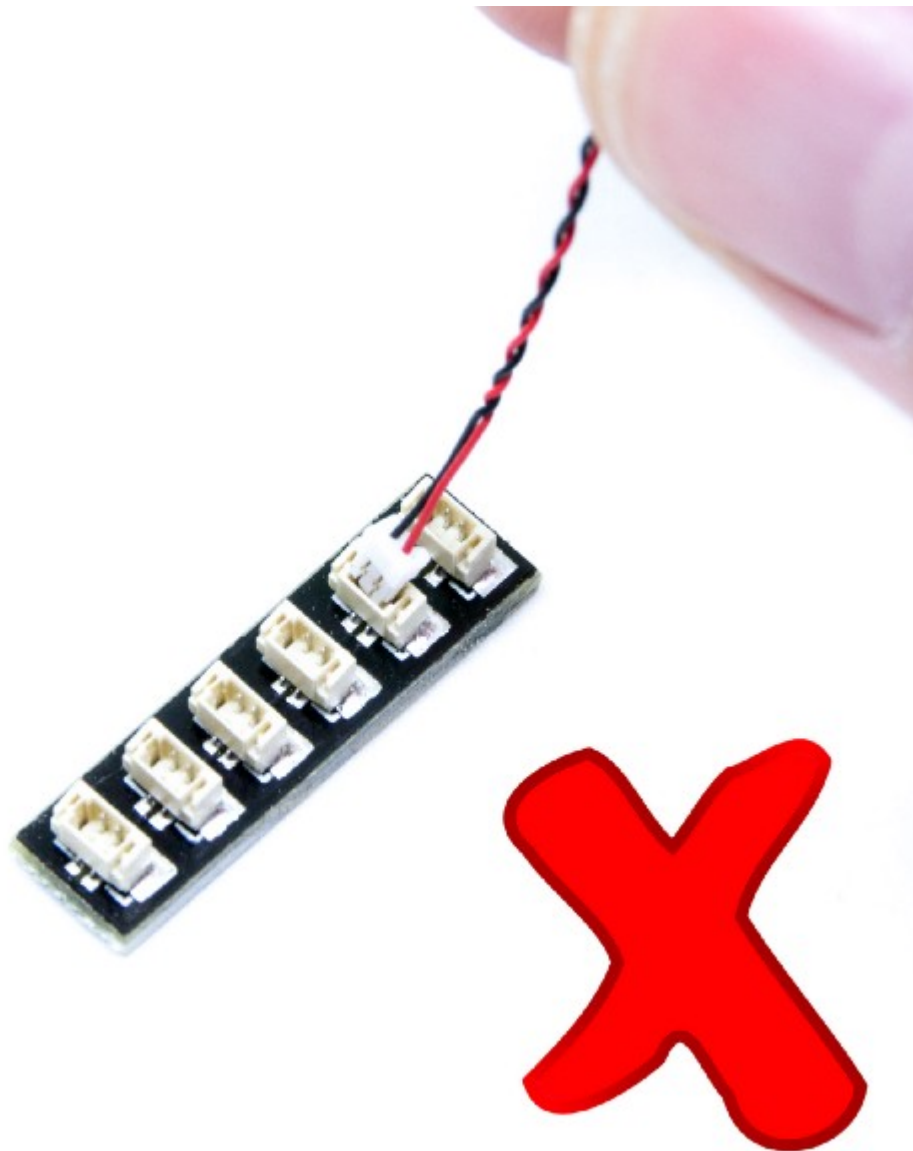
CAUTION: Forcing LEGO® to connect over a cable can result in damaging the cable and light.

Connecting cable connectors to Expansion Boards

Take extra care when inserting connectors to ports of Expansion Boards. Connectors can be inserted only one way. With the expansion board facing up, look for the soldered “=” symbol on the left side of the port. The connector side with the wires exposed should be facing toward the soldered “=” symbol as you insert into the port. If a plug won't fit easily into a port connector, do not force it.





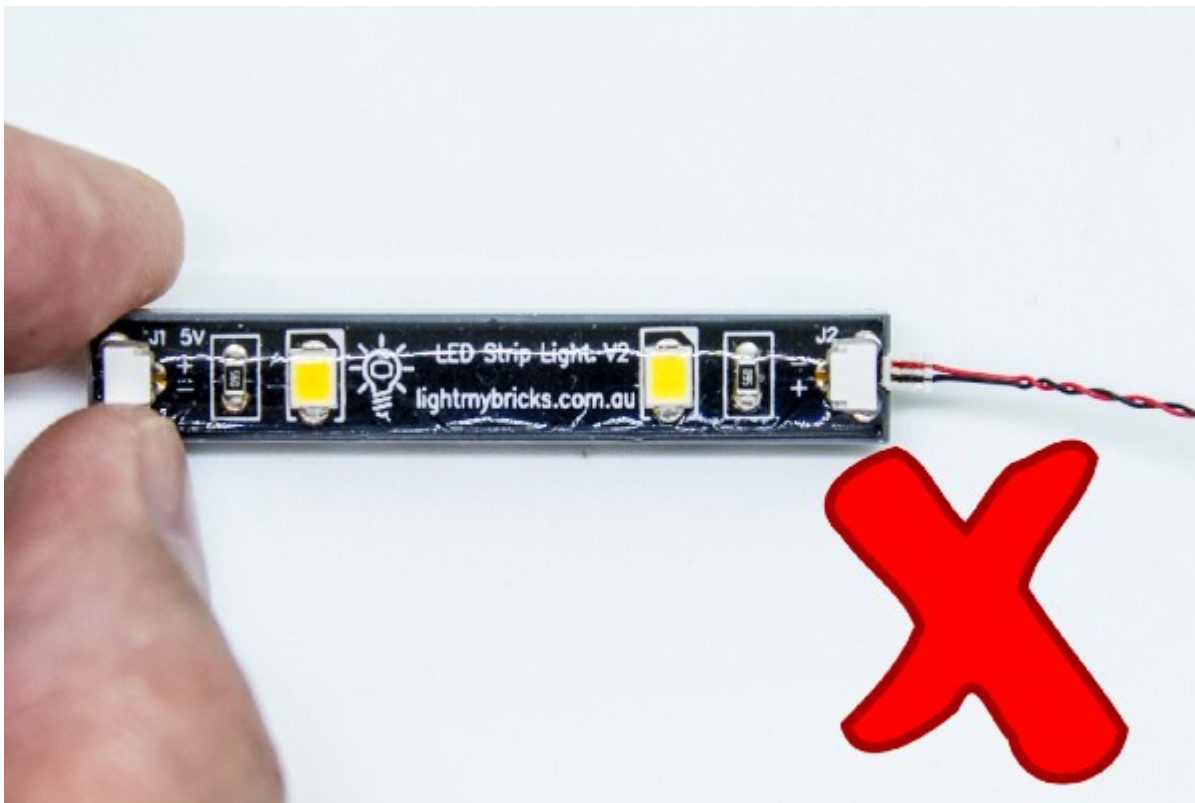
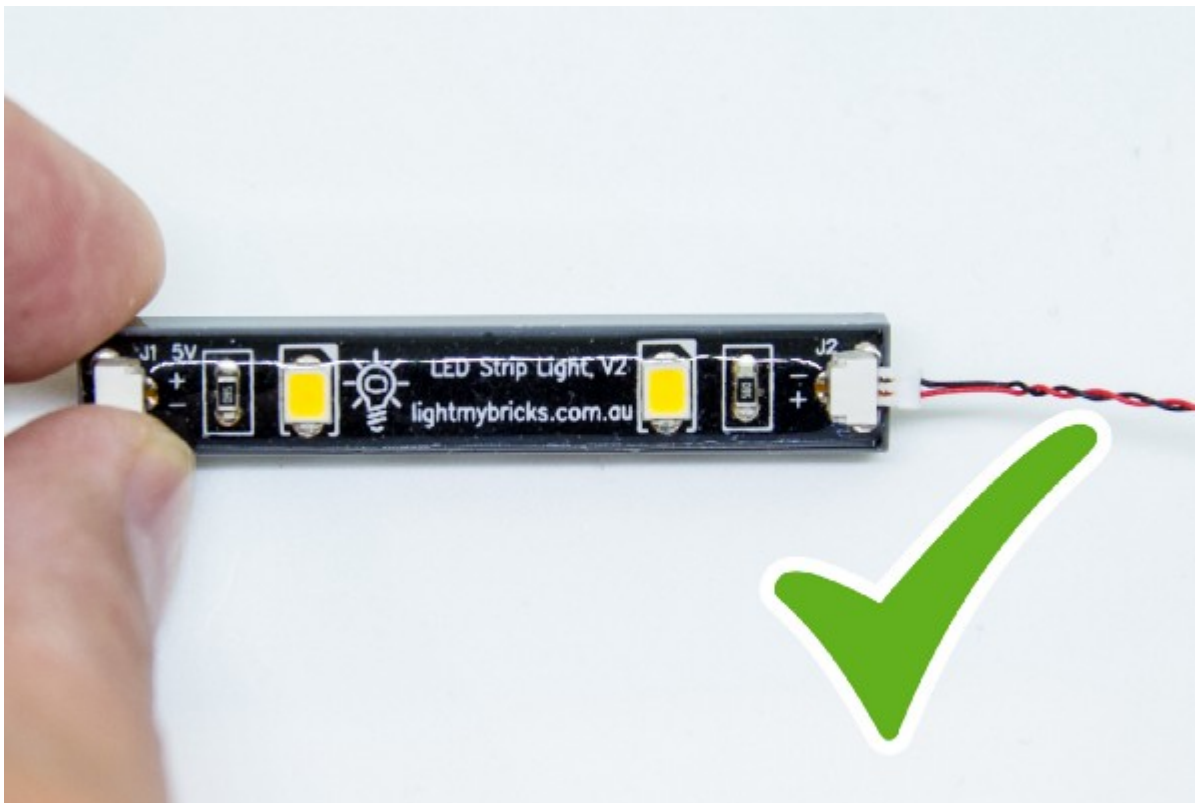


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Incorrectly inserting the connector can result in bent pins inside the port or possible overheating of the expansion board when connected.

Connecting cable connectors to Strip Lights

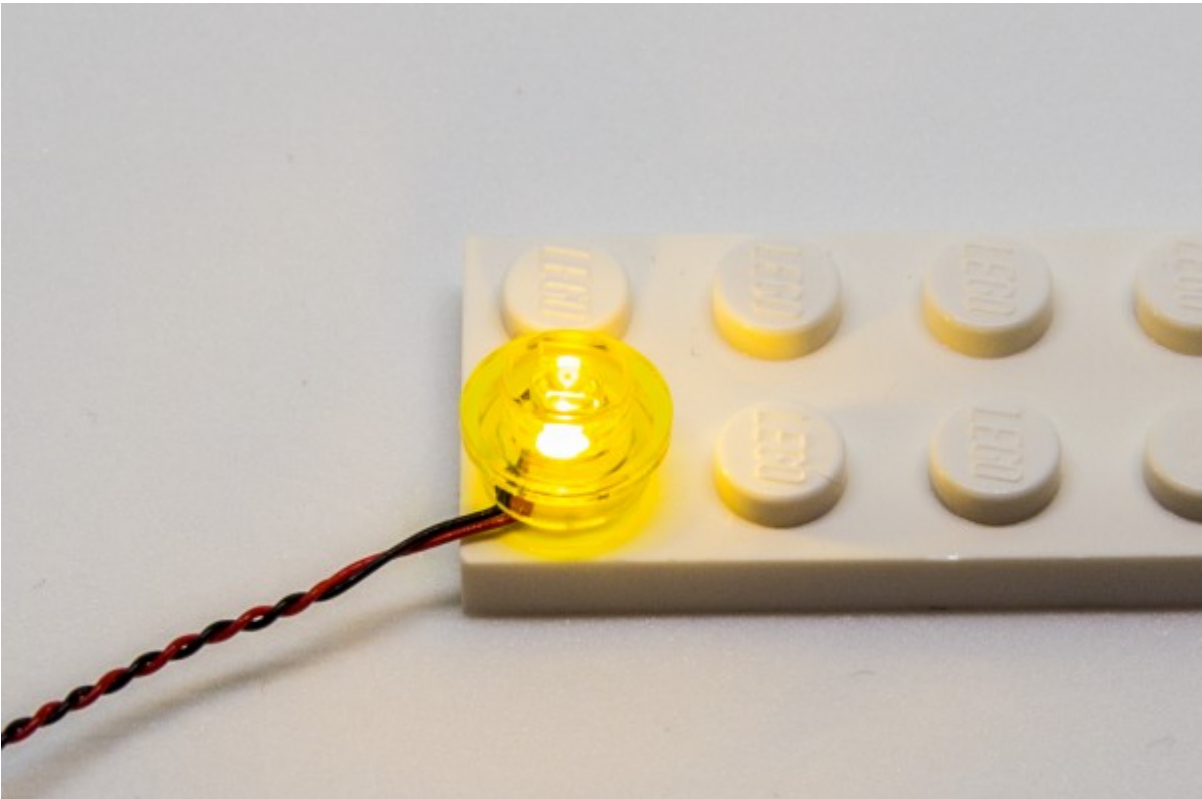
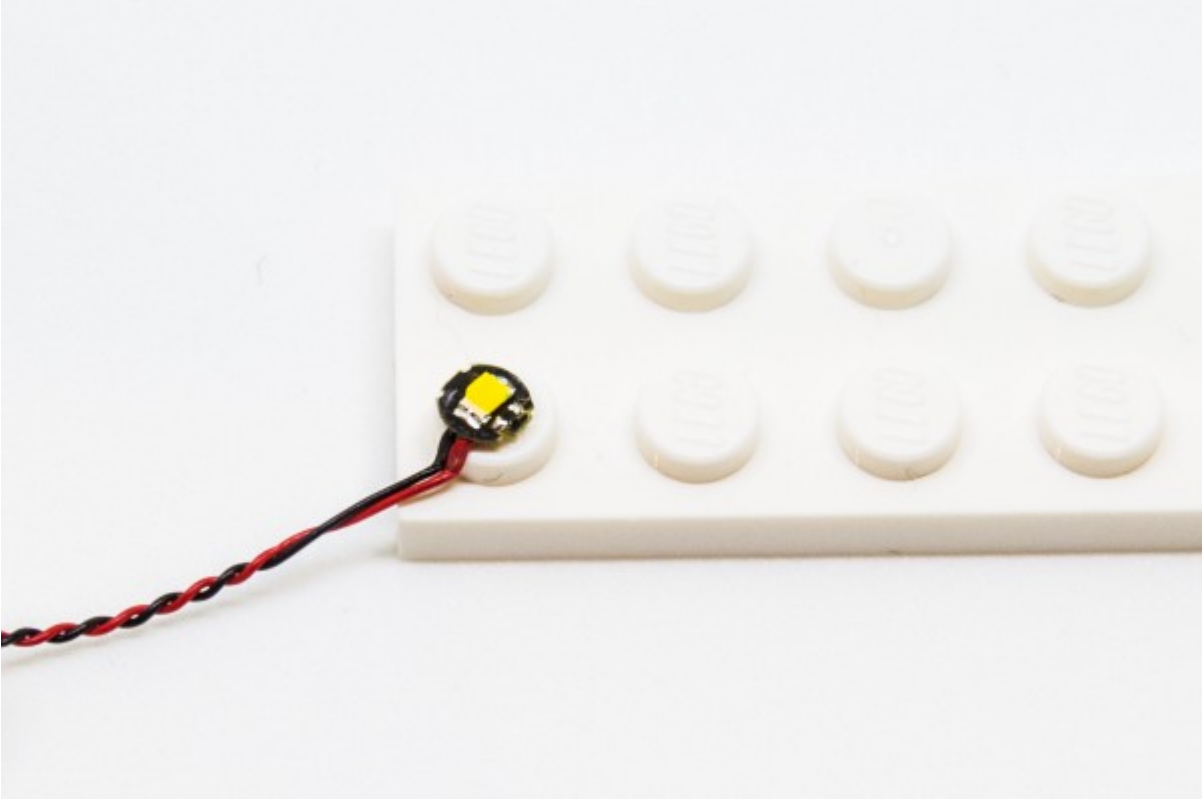
Take extra care when inserting connectors to ports on the Strip Lights. Connectors can be inserted only one way. With the Strip Light facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, don't force it. Doing so will damage the plug and the connector. ▲

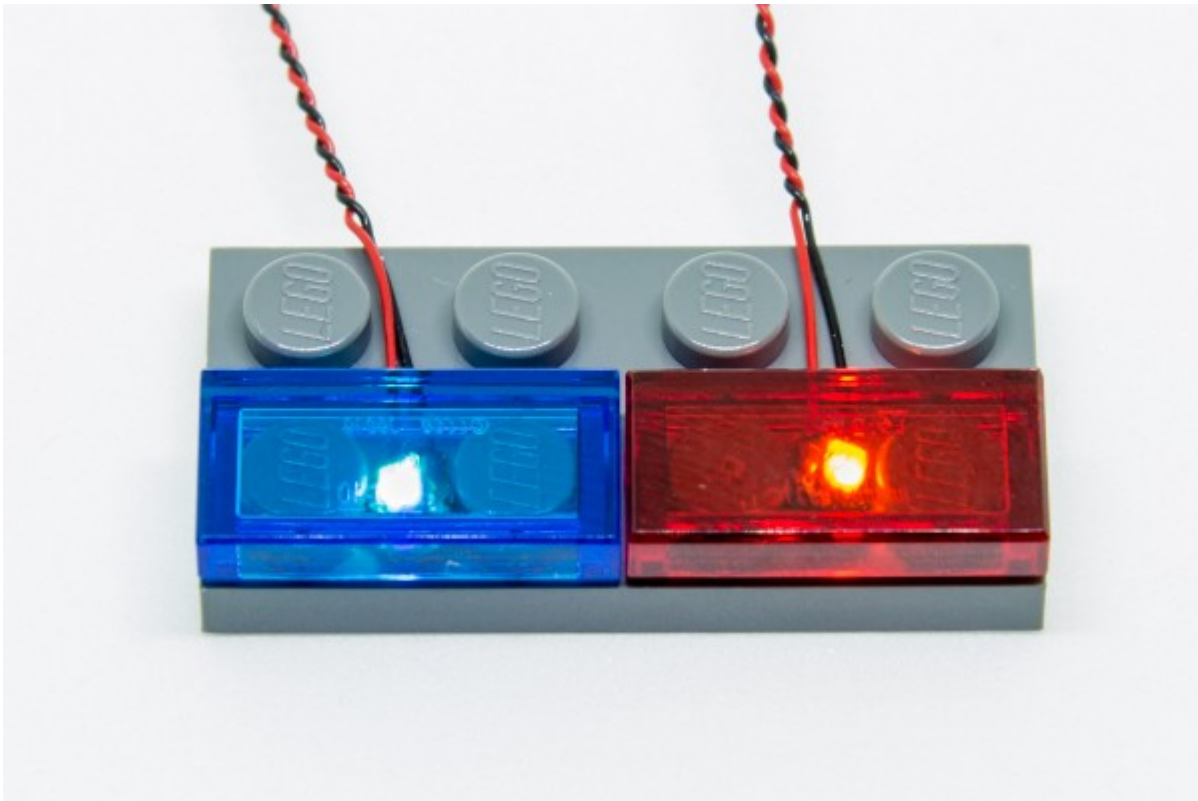
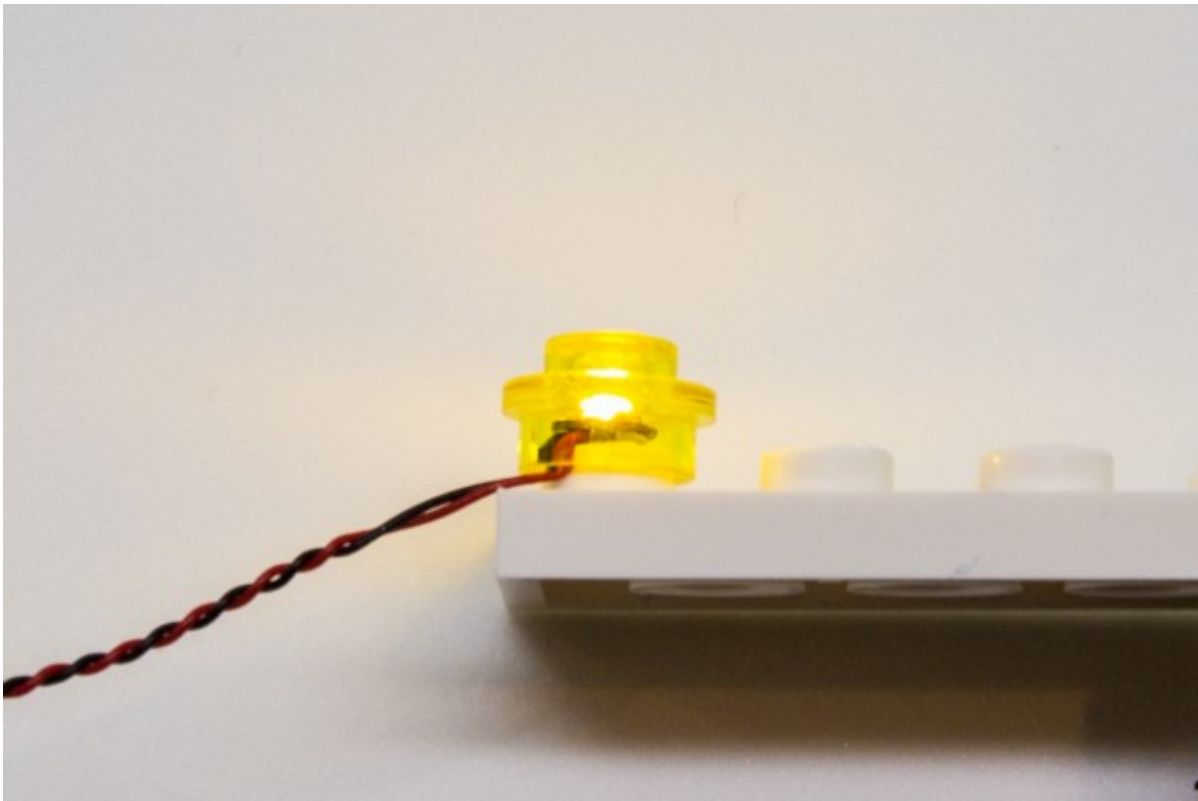


Installing Bit Lights under LEGO® bricks and plates.



When installing Bit Lights under LEGO® pieces, ensure they are placed the correct way up (Yellow LED component exposed). You can either place them directly on top of LEGO® studs or in between.





OK, Let's Begin!

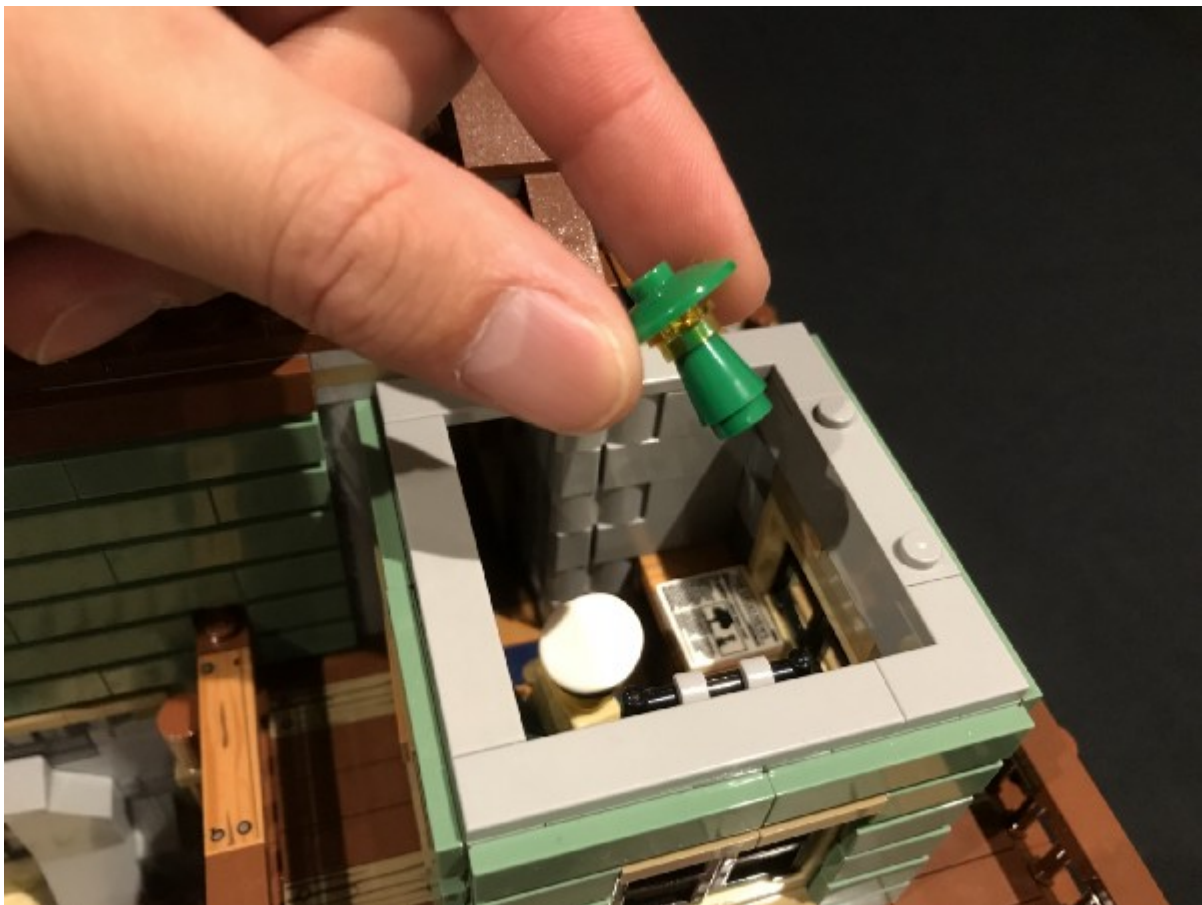
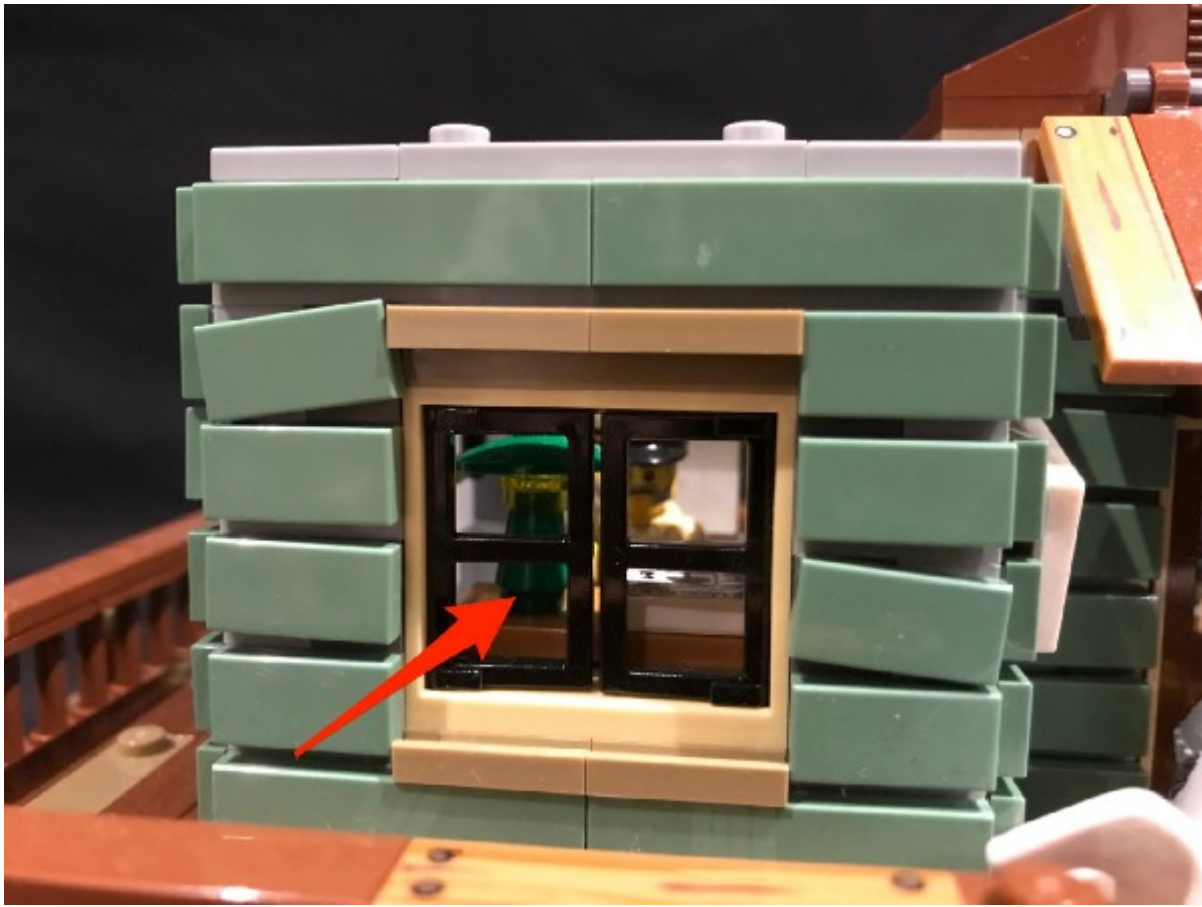
1.) Start by removing the upper level as well as the main roof section.





Remove the lamp section and then disassemble as per below.

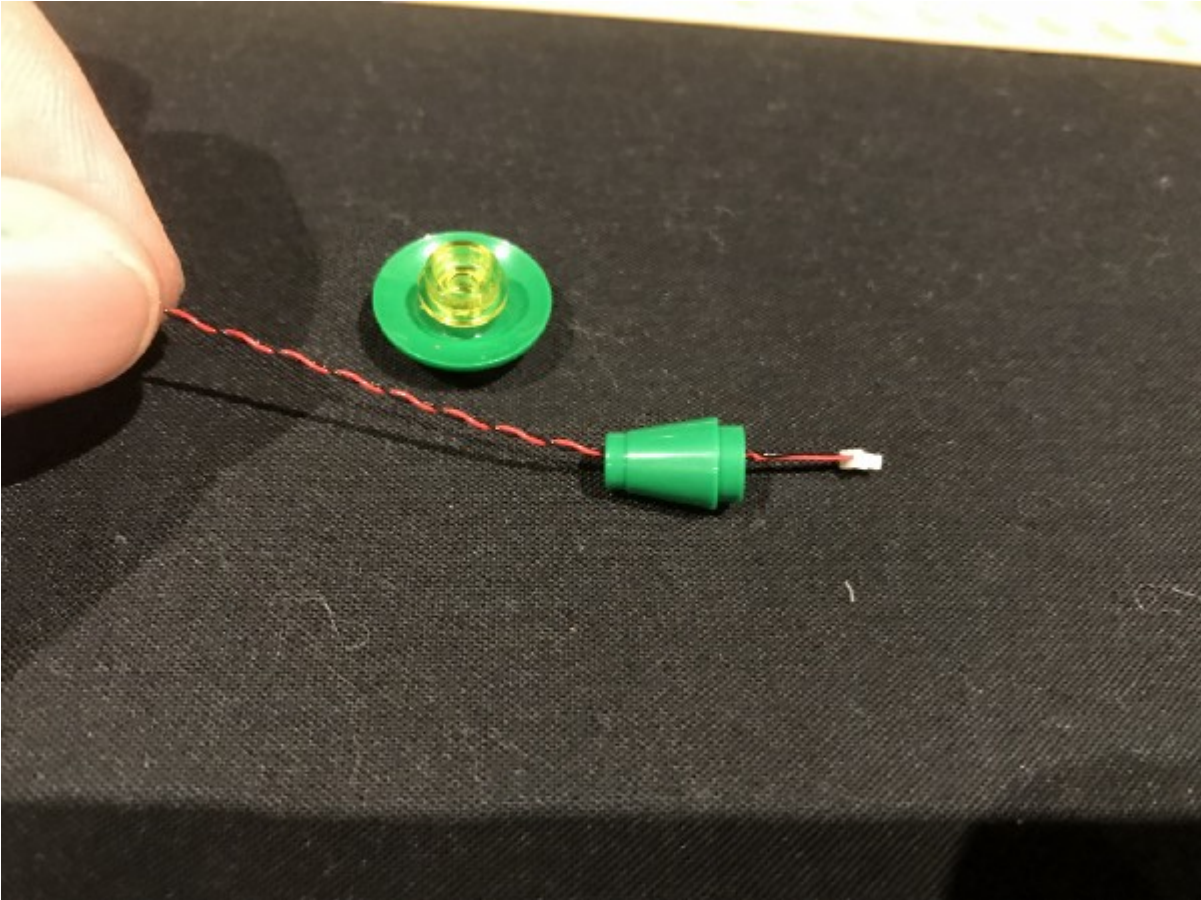


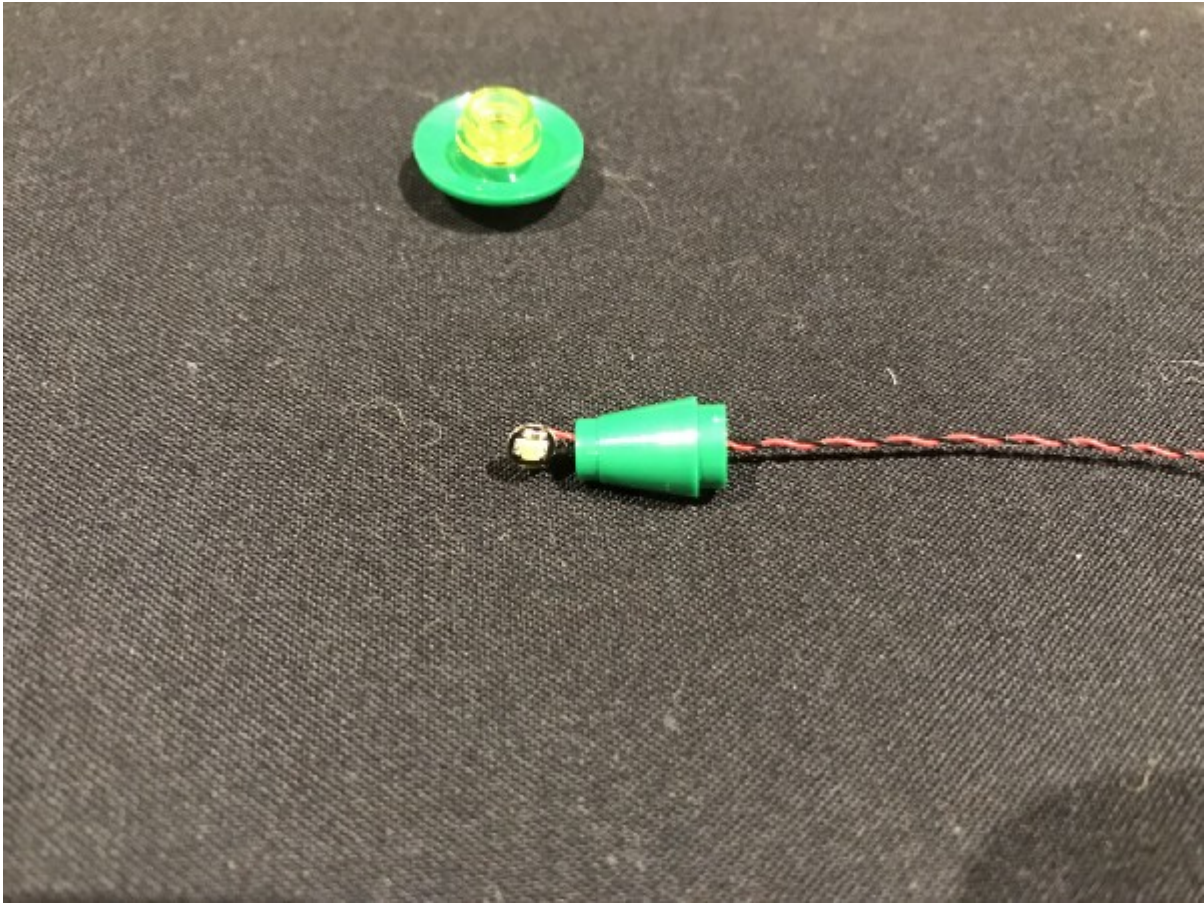




2.) Take a **White 15cm Bit Light** and then thread the connector side through the hole on top of the bottom piece. Thread it all the way through until the LED is flat against

the top of the piece.



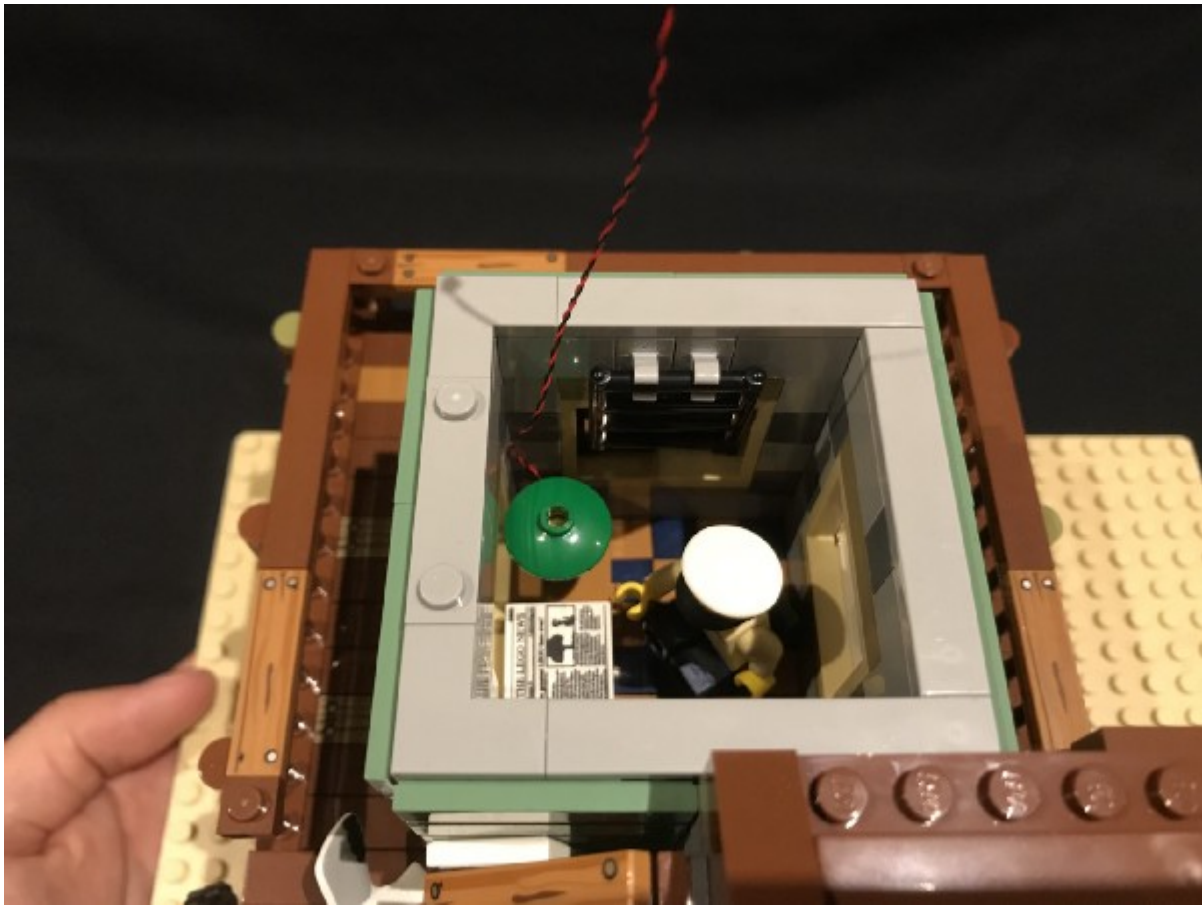


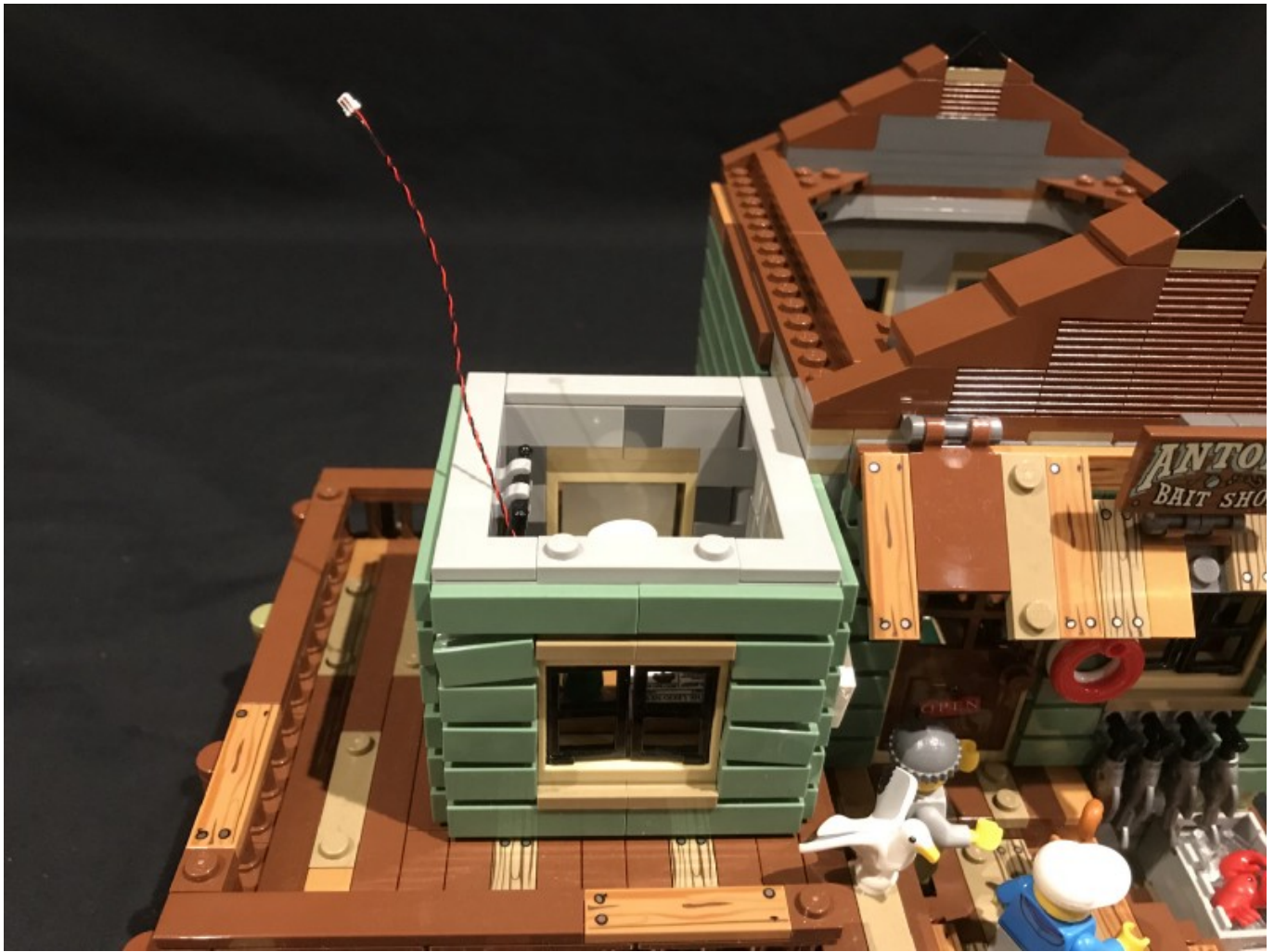
*You may need bend the LED slightly so that it sits flat against the top of the
LEGO piece*

Reconnect the top section to secure the LED in place.



Reconnect the lamp back to the desk inside the building ensuring the cable is facing the front left corner so that it is not visible if you look in the window.





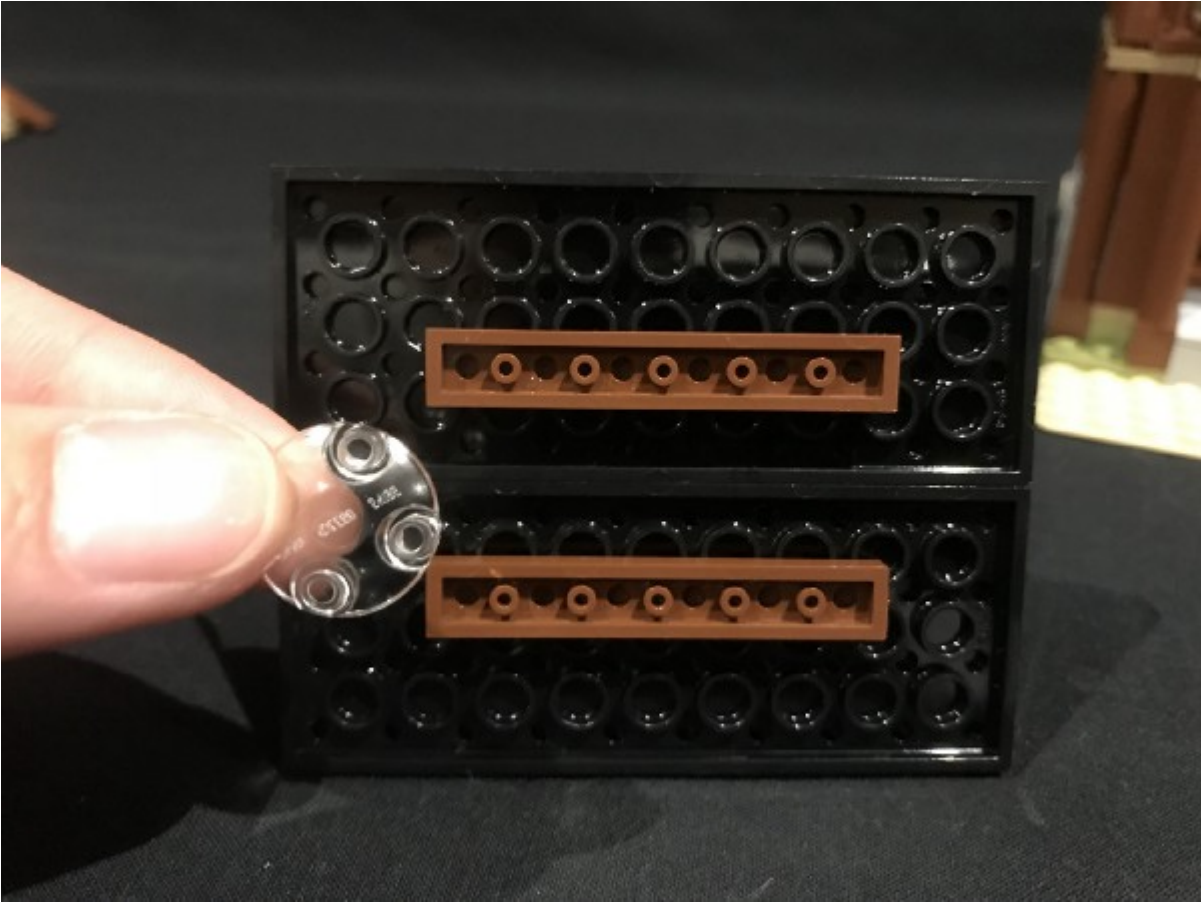
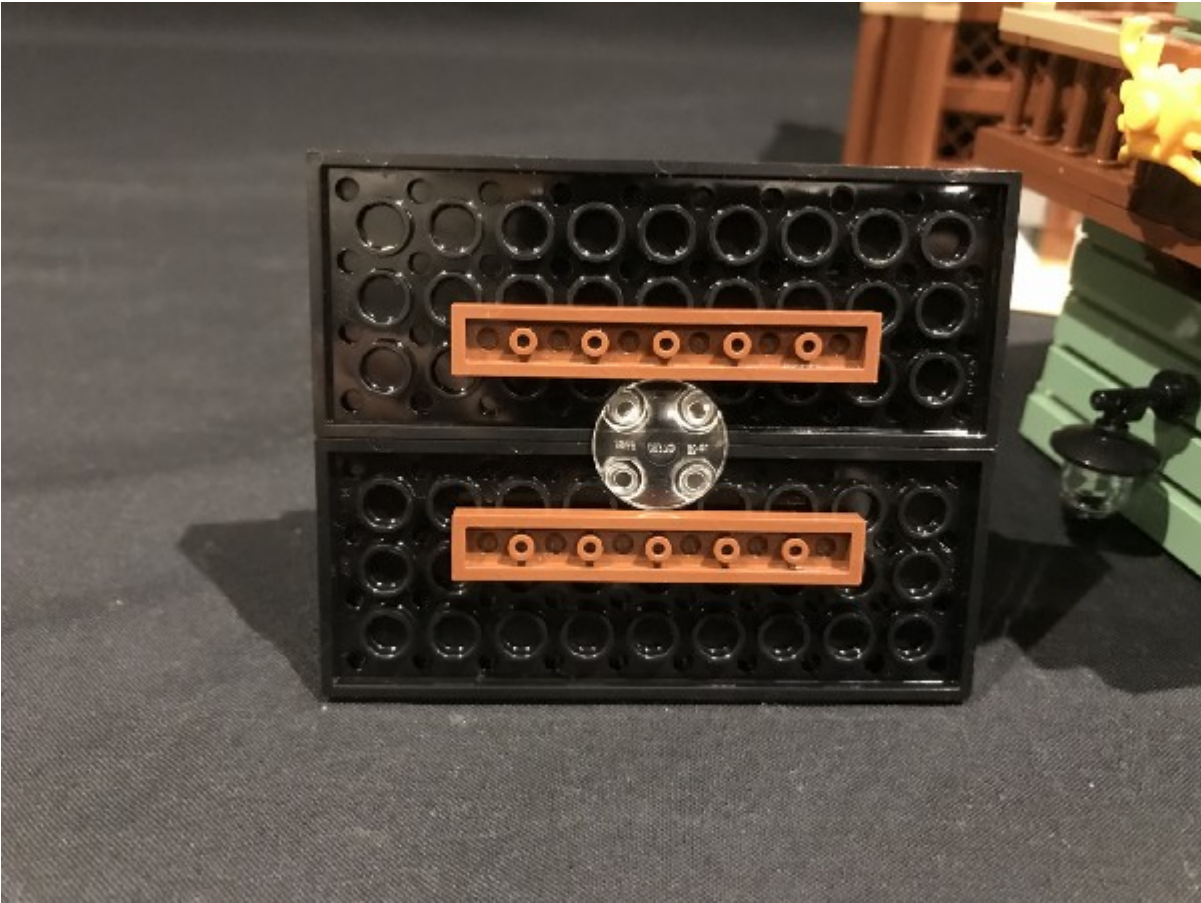
3.) Take the top section of the Old Fishing Store and remove the roof.

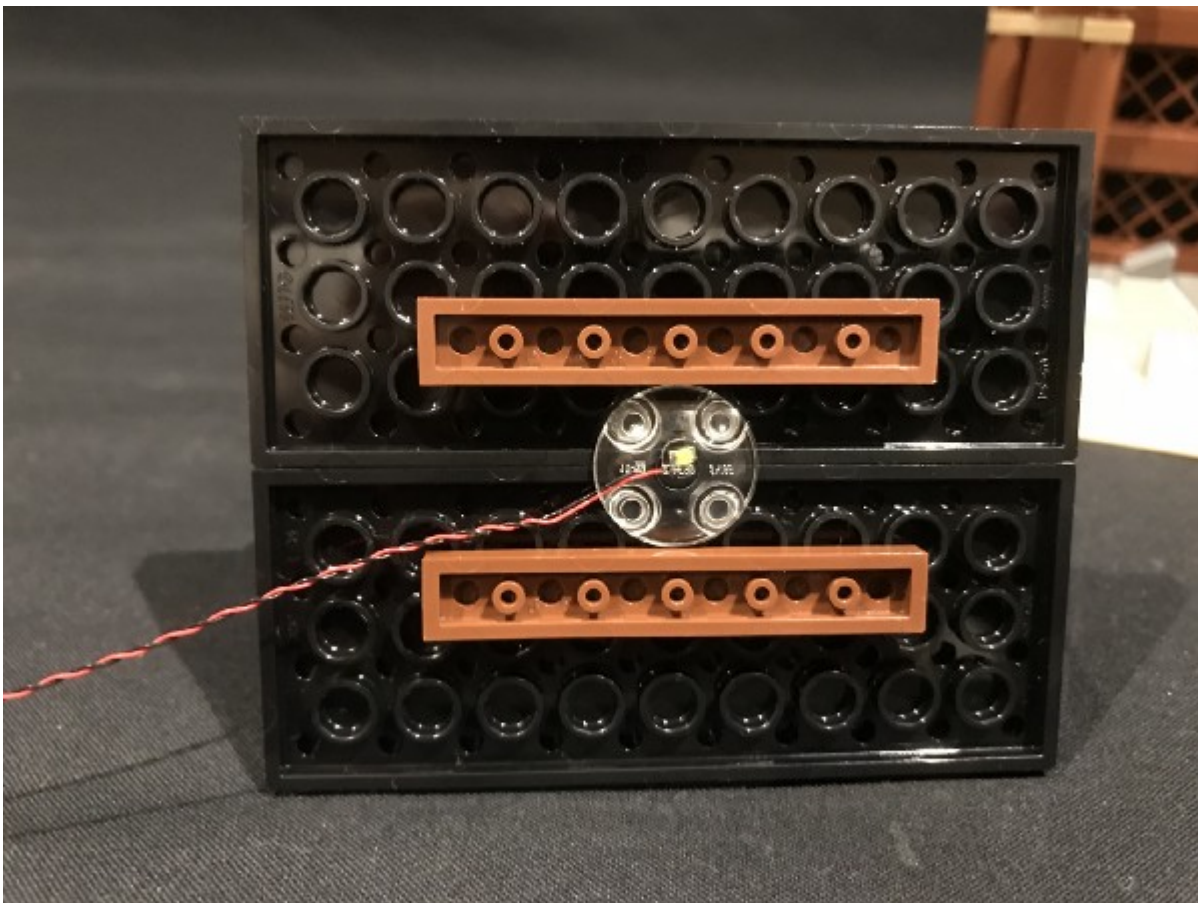
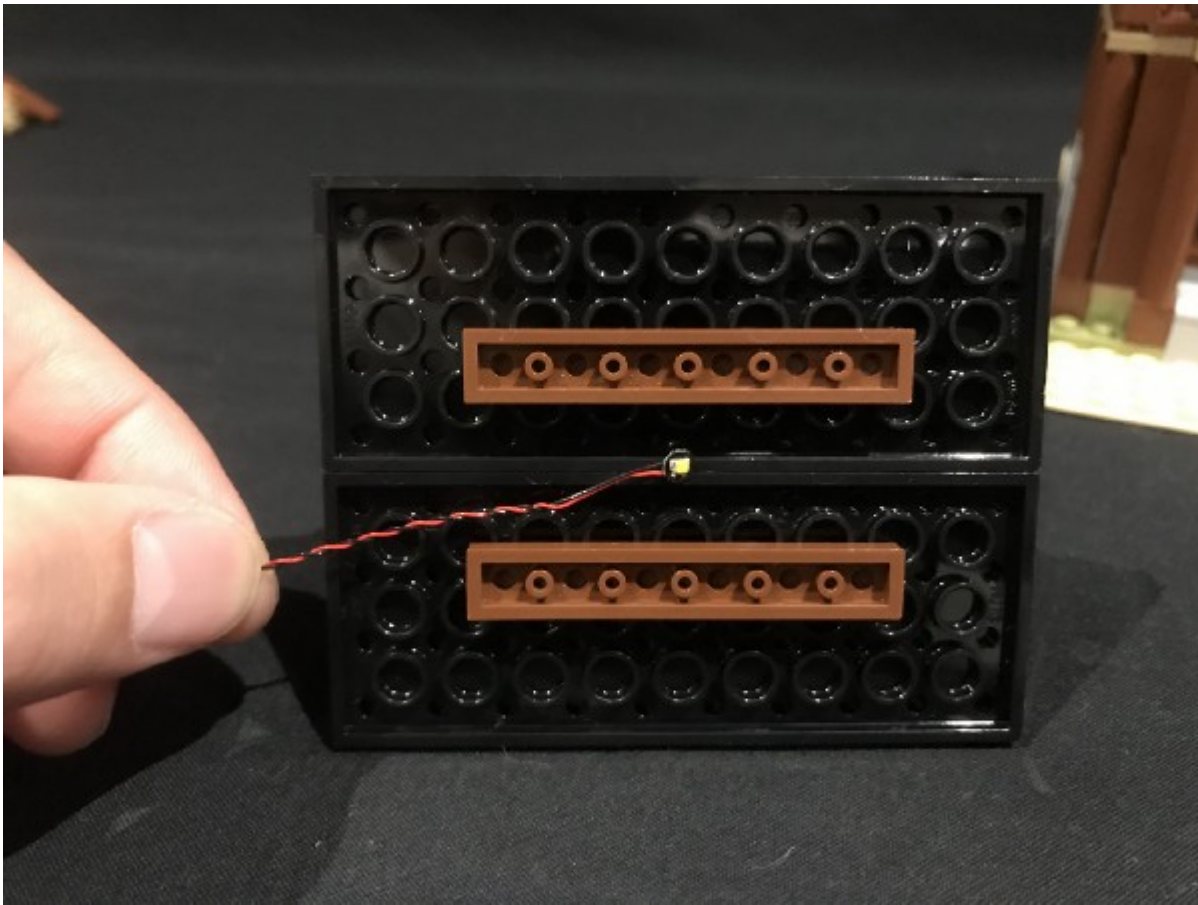




Disconnect the flat clear 2x2 boat stud piece from underneath the roof and then take a **White 15cm Bit Light** and place it directly in the centre. Reconnect the flat

clear boat stud piece directly over the Bit Light to secure it in place.

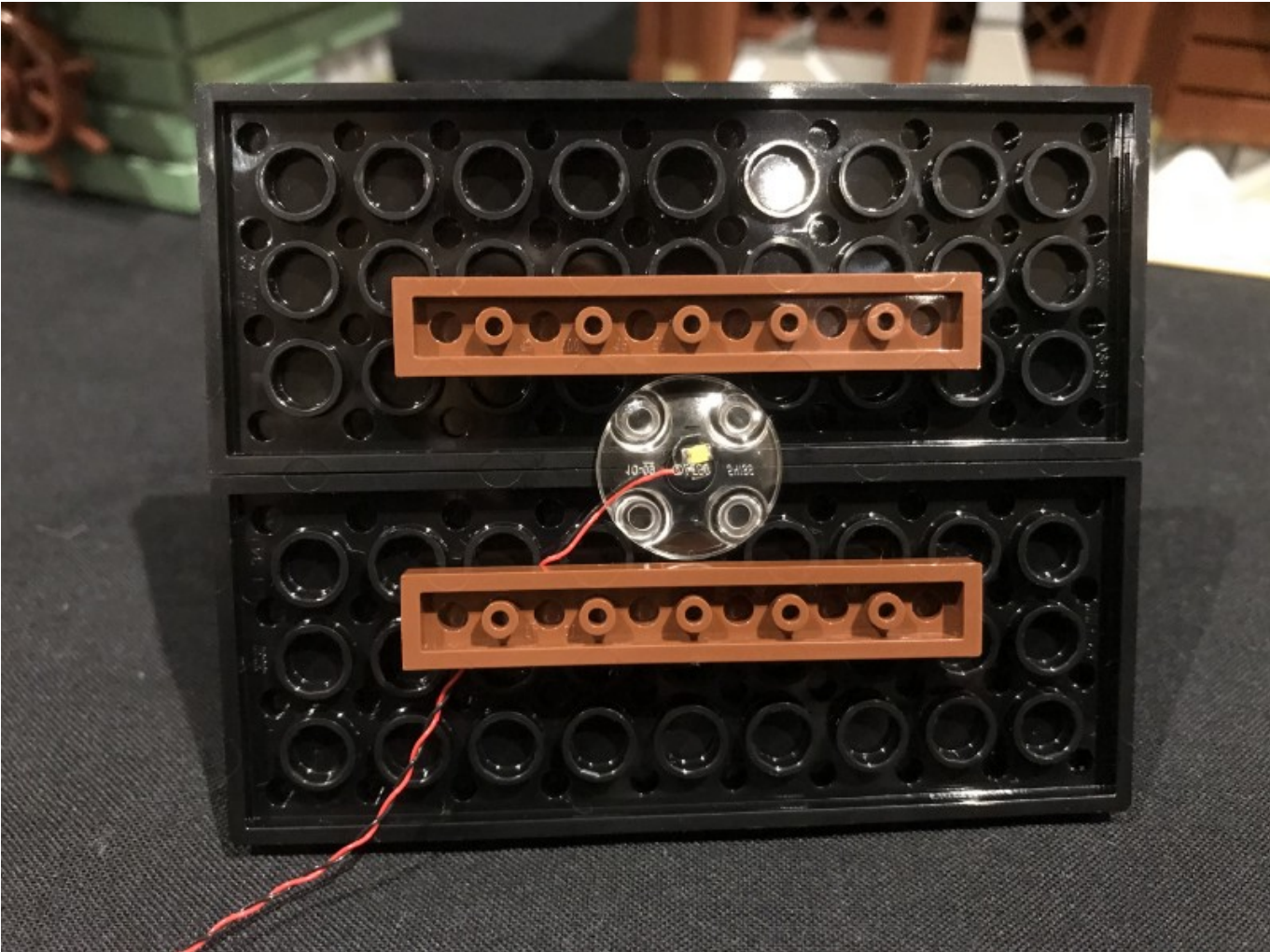




Ensure the LED is the correct way facing up



Secure the cable by laying it underneath the bottom brown 1x6 plate.

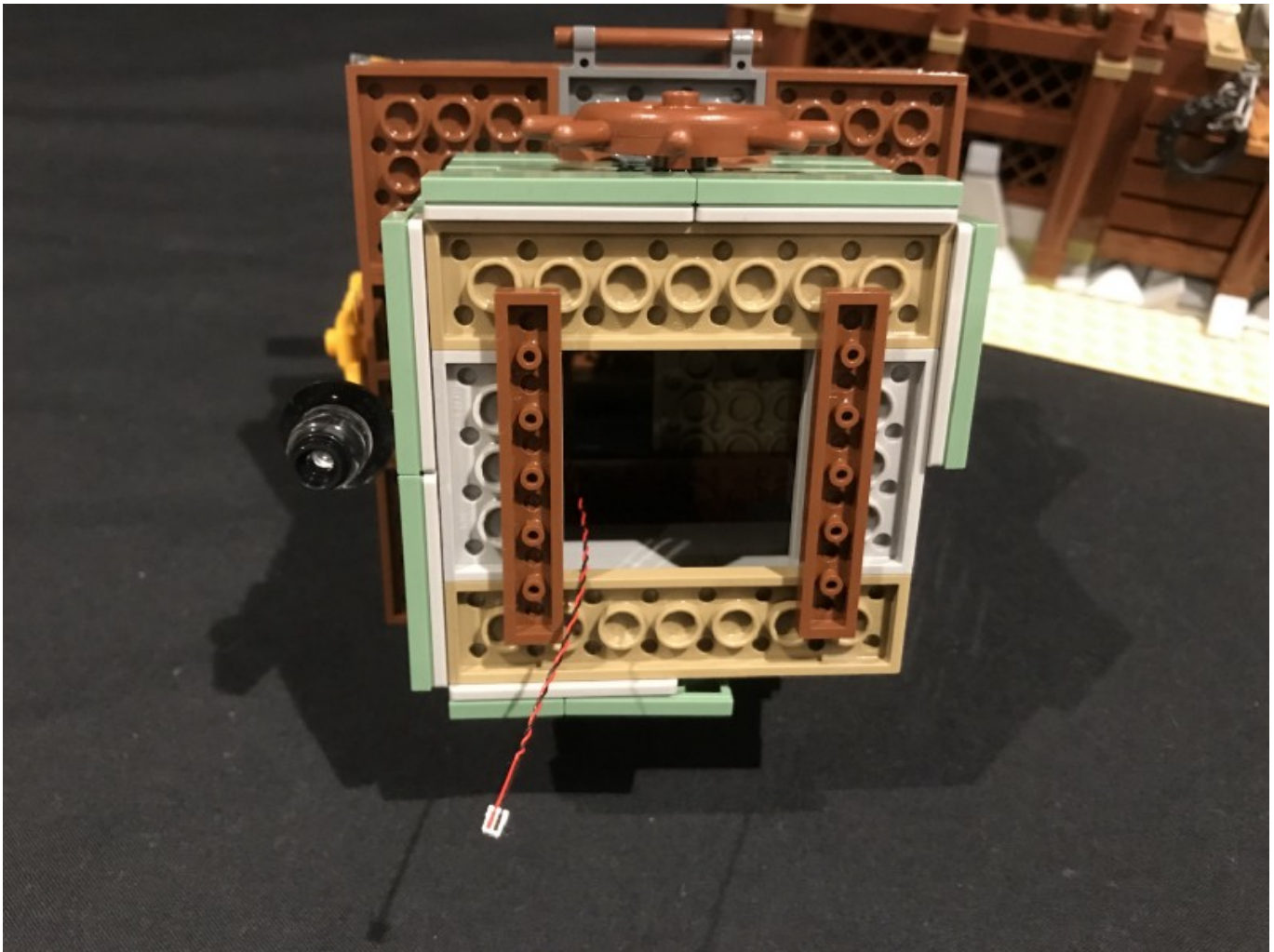


Ensure the cable is laid in between studs

4.) Before reconnecting the roof, thread the Bit Light cable from the roof down and then pull it out from the bottom of the top section.

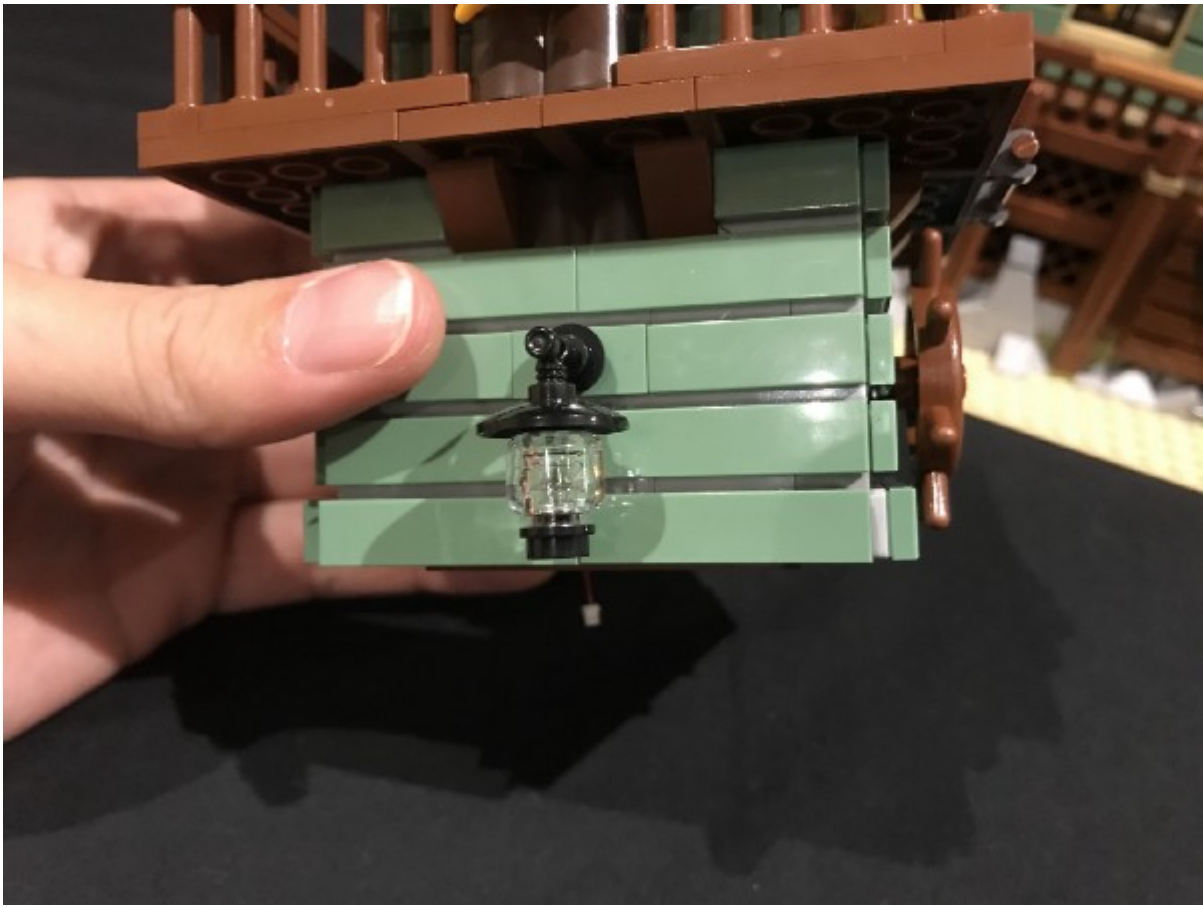


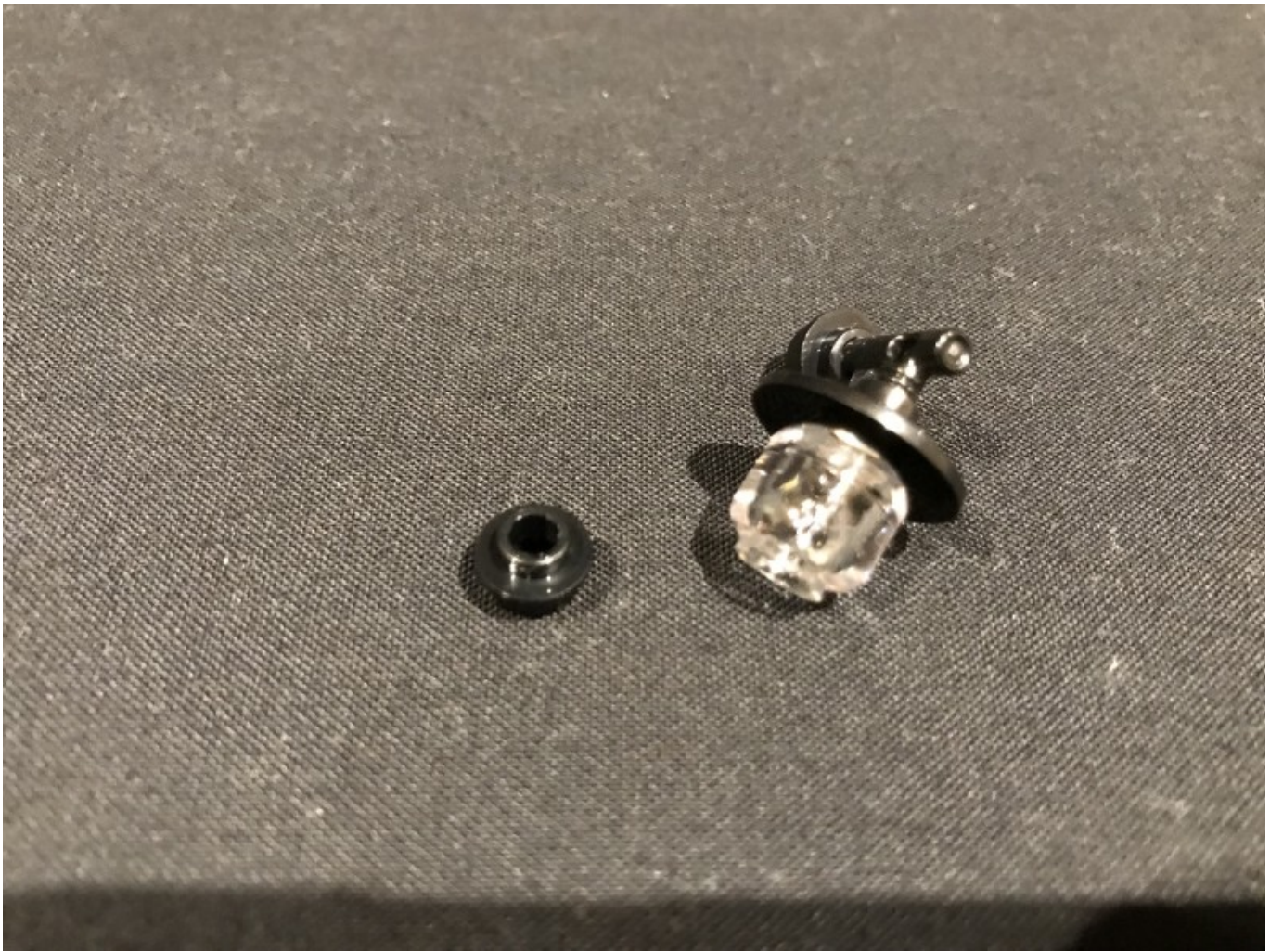




5.) Remove the lamp from the bottom of this section and then disconnect the black round stud from underneath.

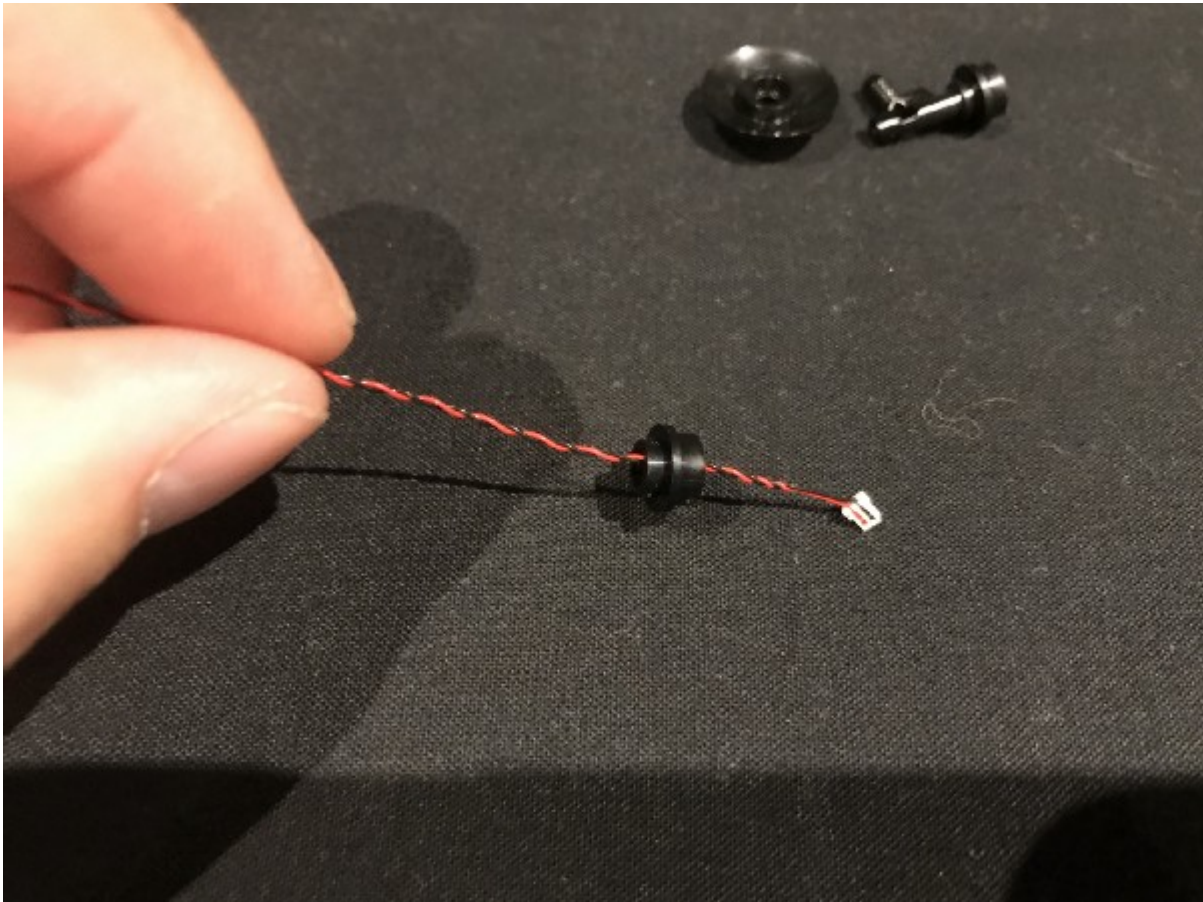
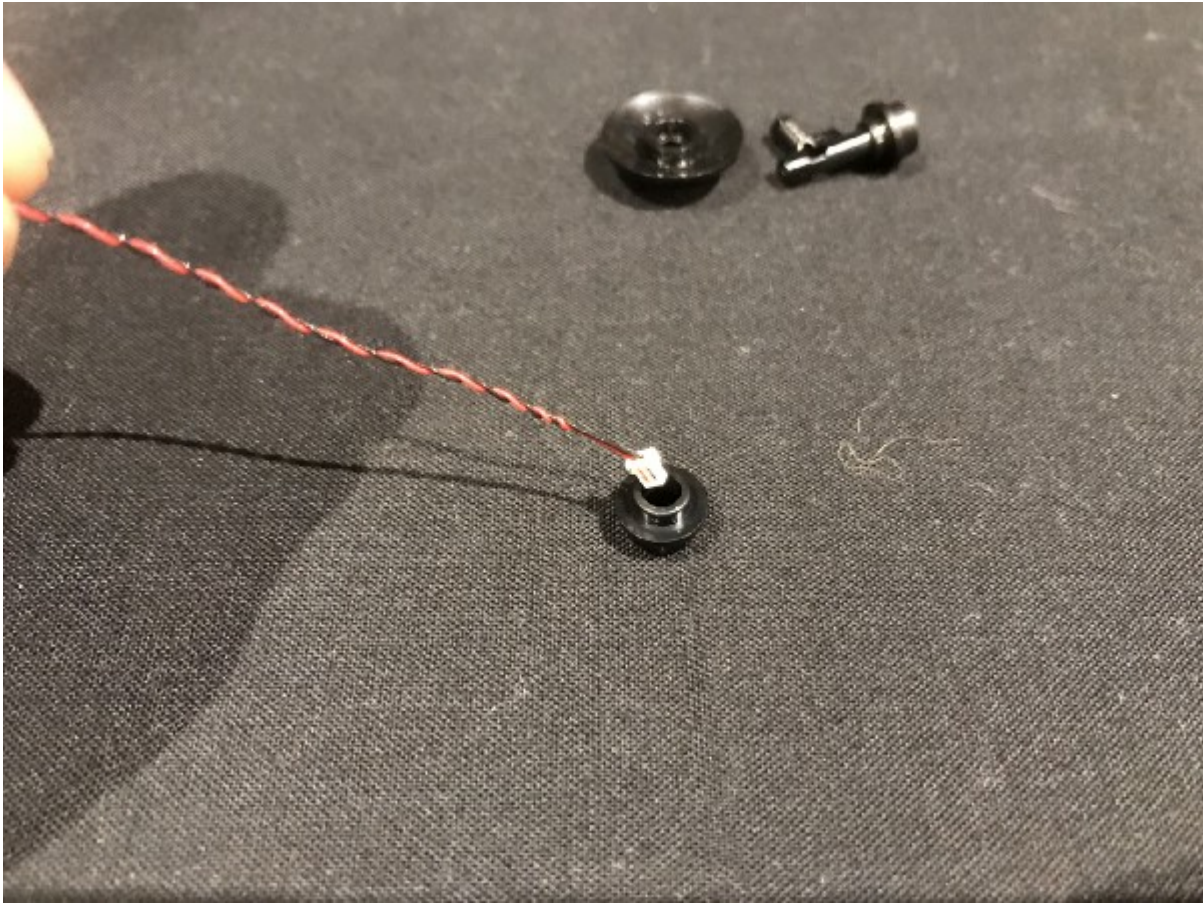


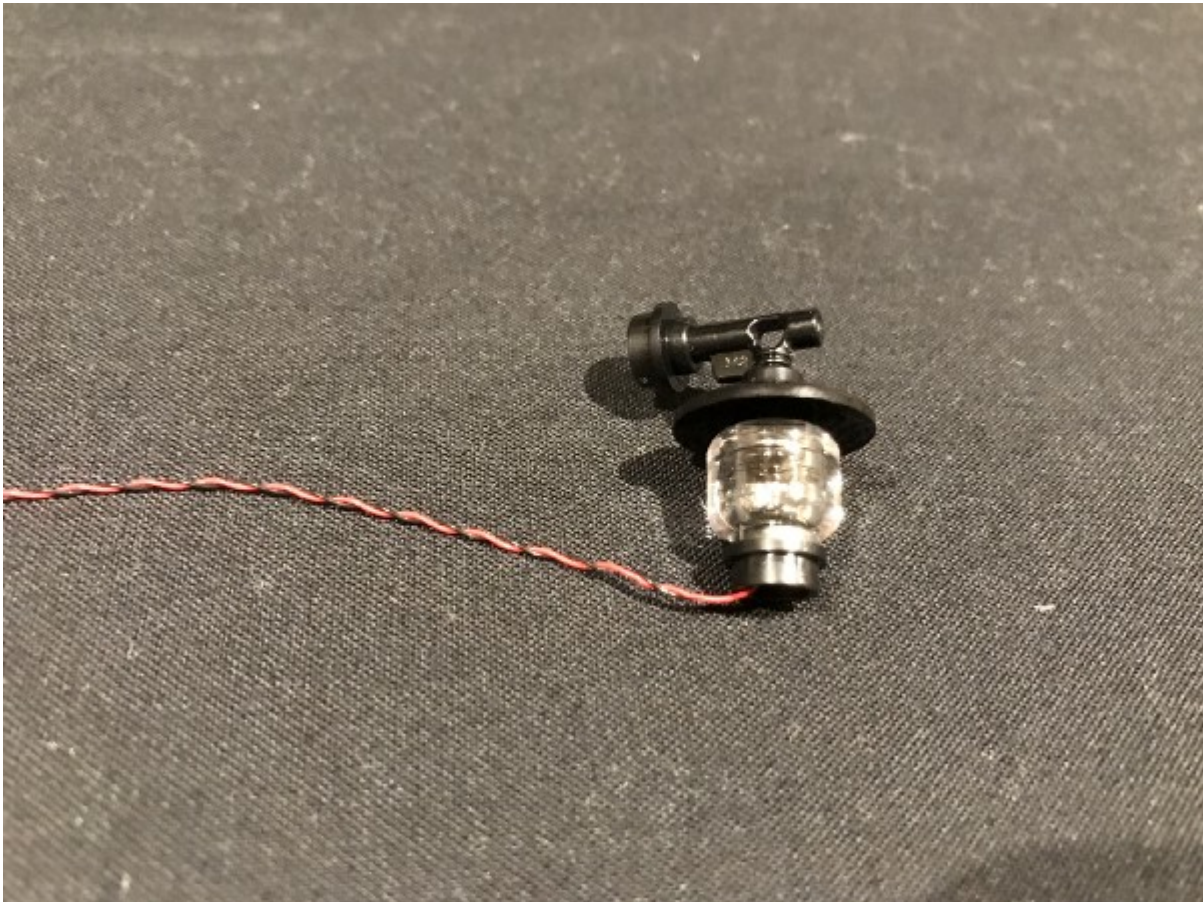
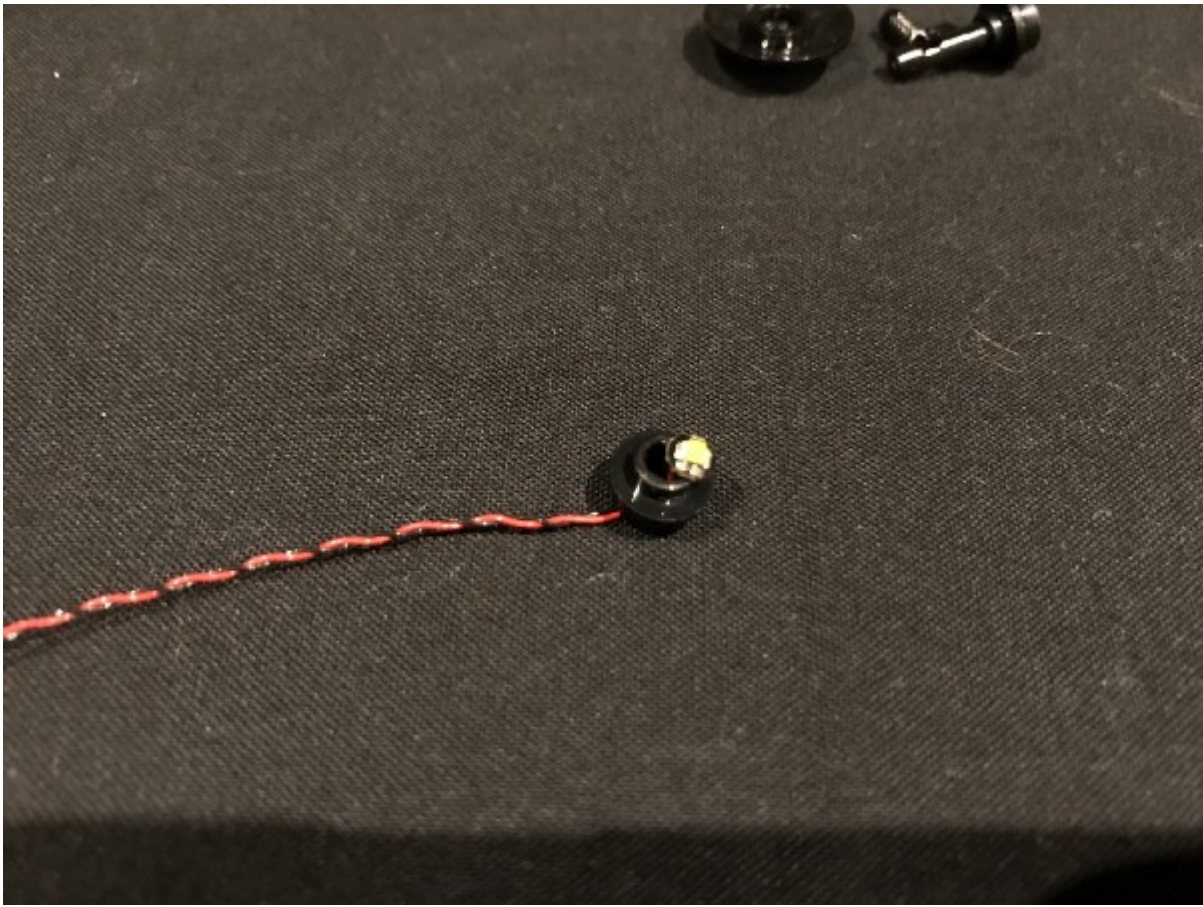




Take another **White 15cm Bit Light** and thread the connector side through the top of the black round plate. Thread it all the way through until the LED is flat against the top of the plate then reconnect the top section of the lamp.

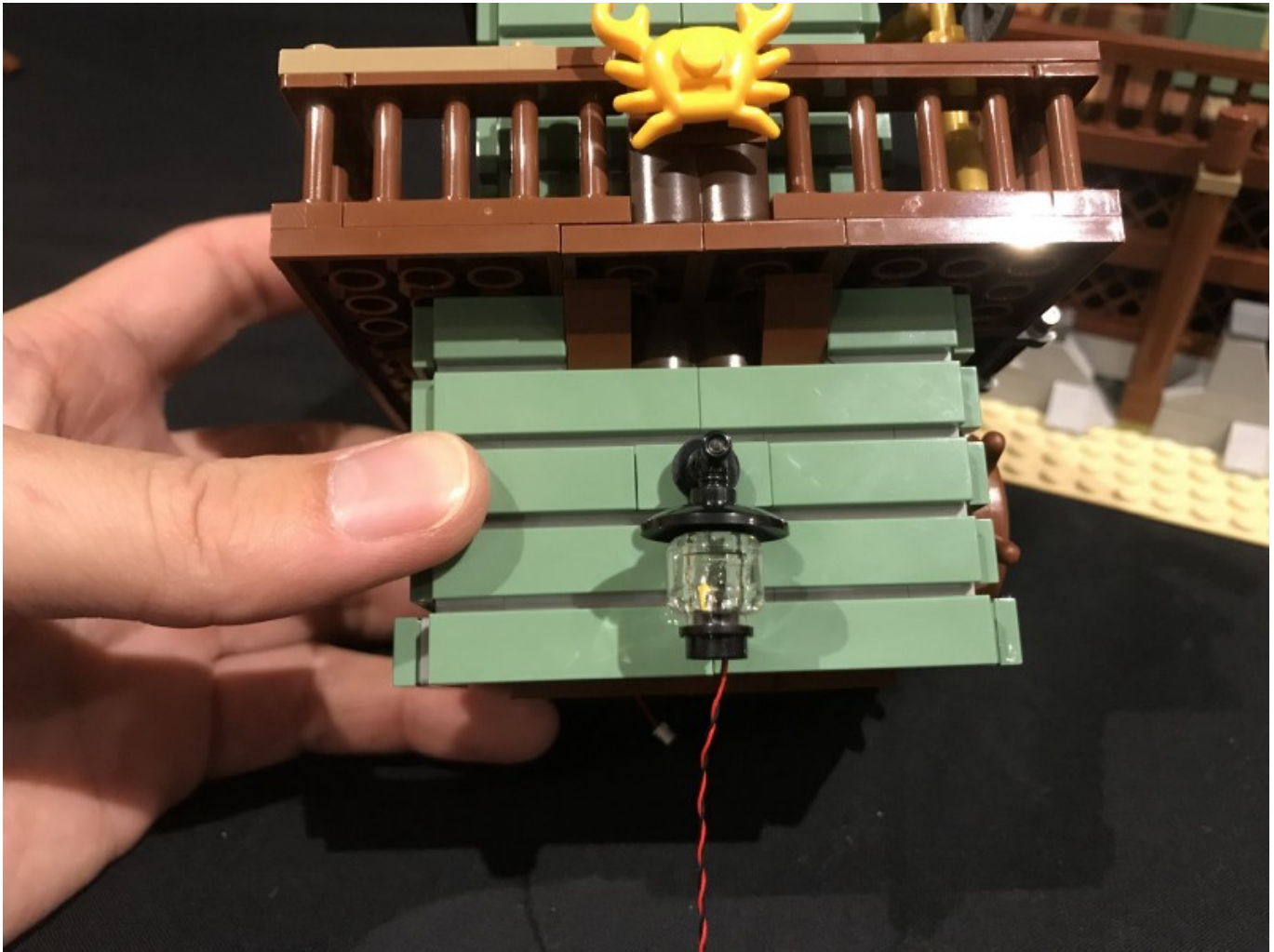


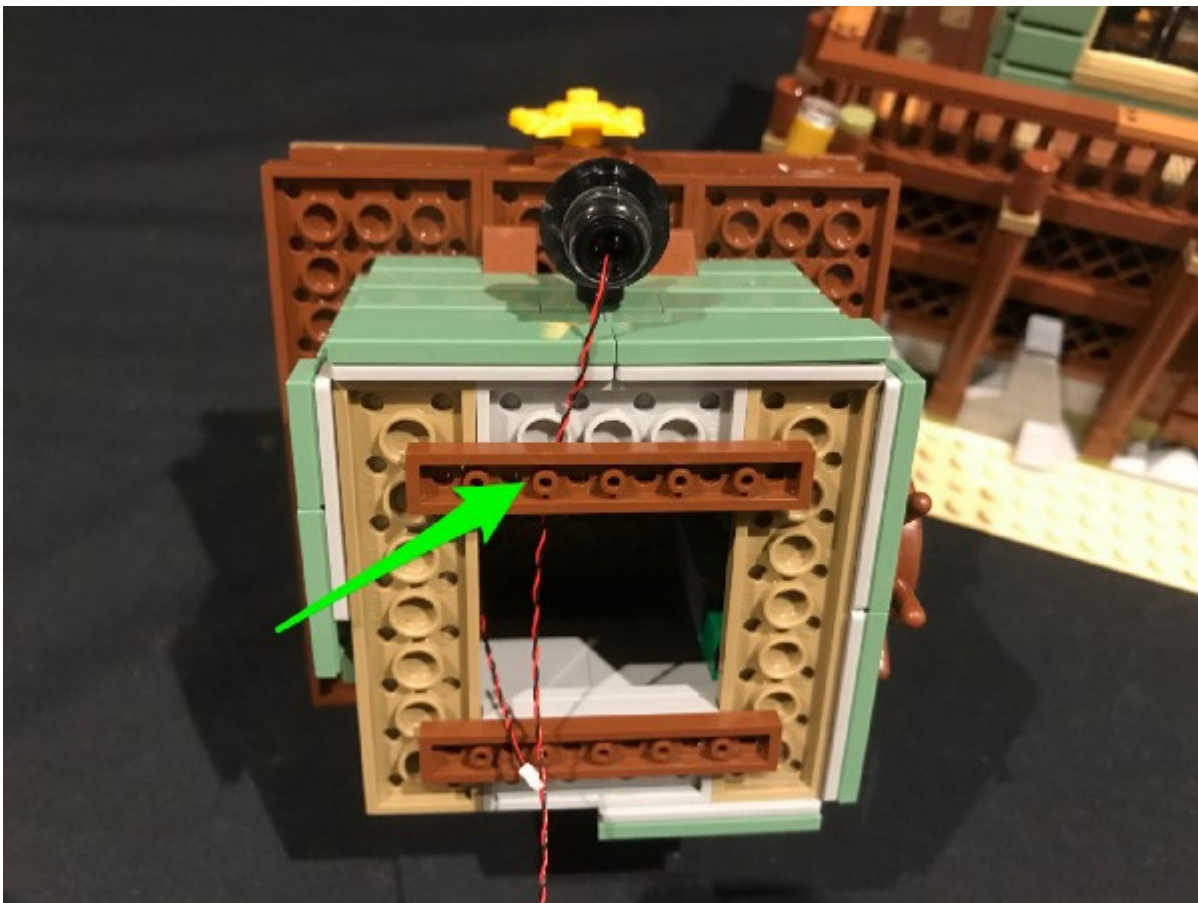
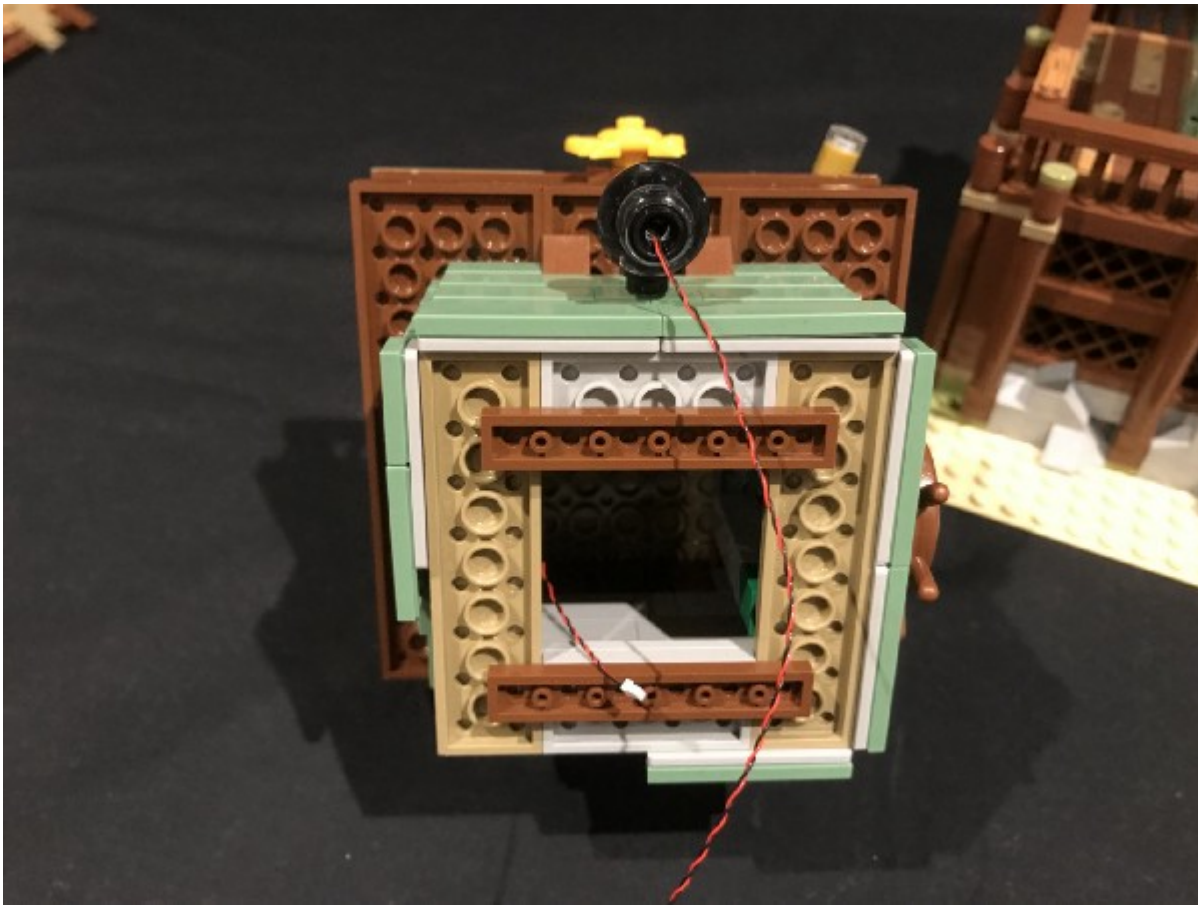




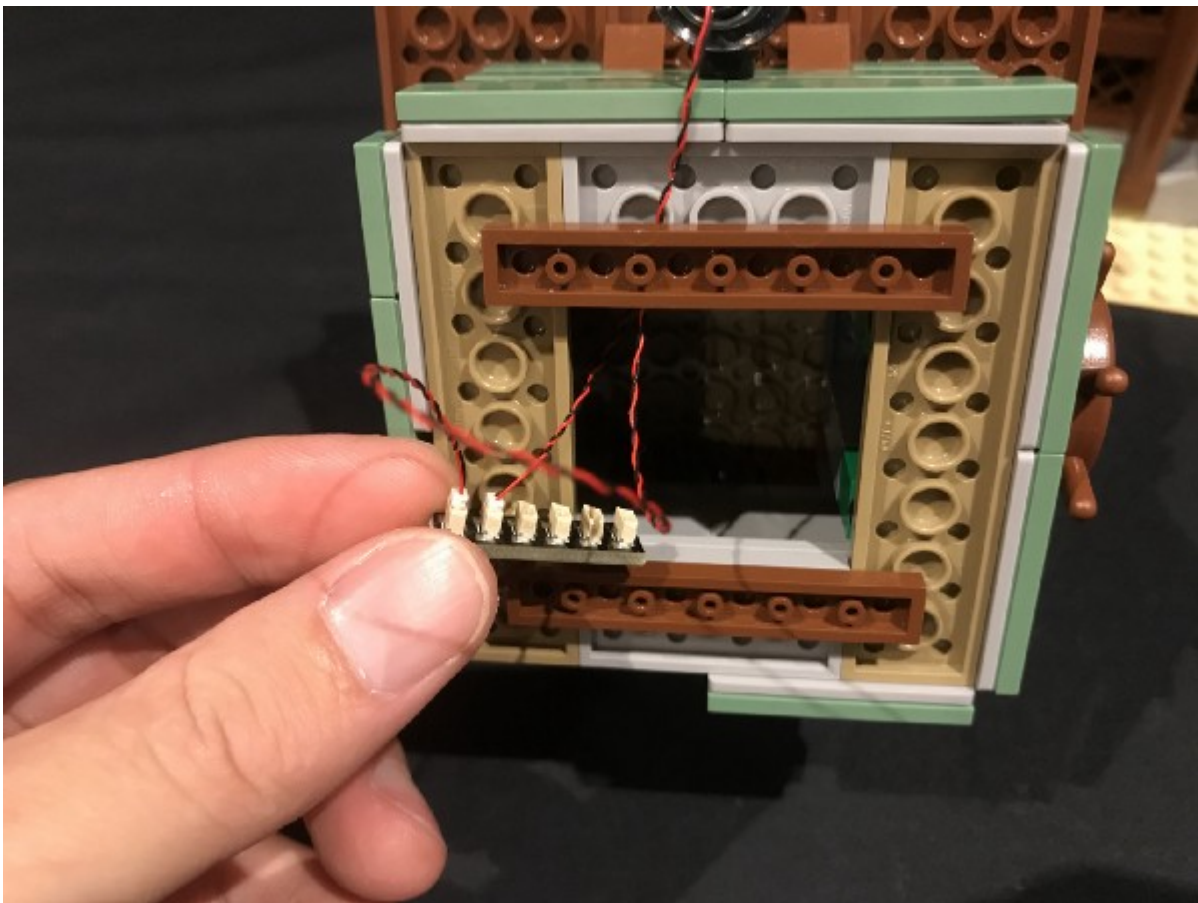
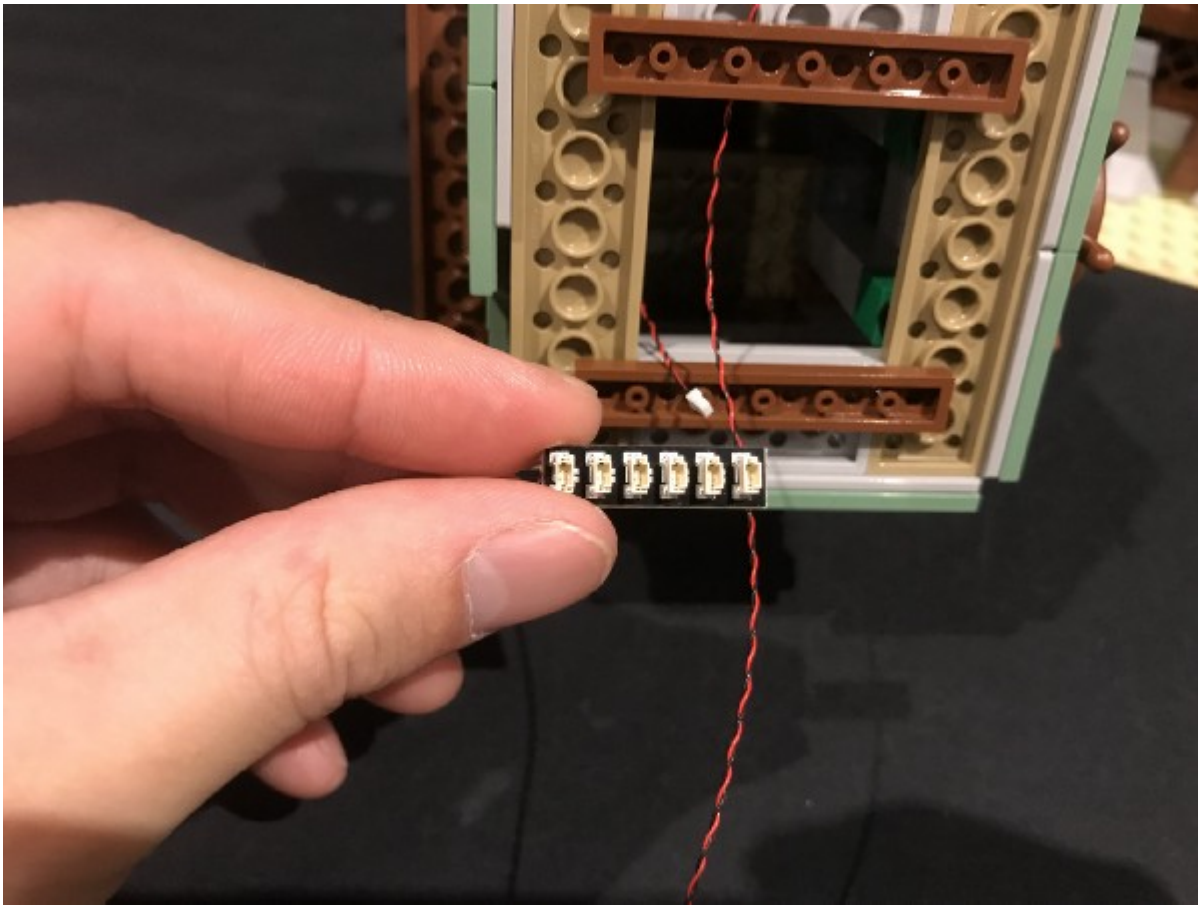
*You may need bend the LED slightly so that it sits flat against the top of the
LEGO piece*

6.) Reconnect the lamp to the outside of the upper level and then lay the cable and secure it underneath the brown LEGO 1×6 plate.

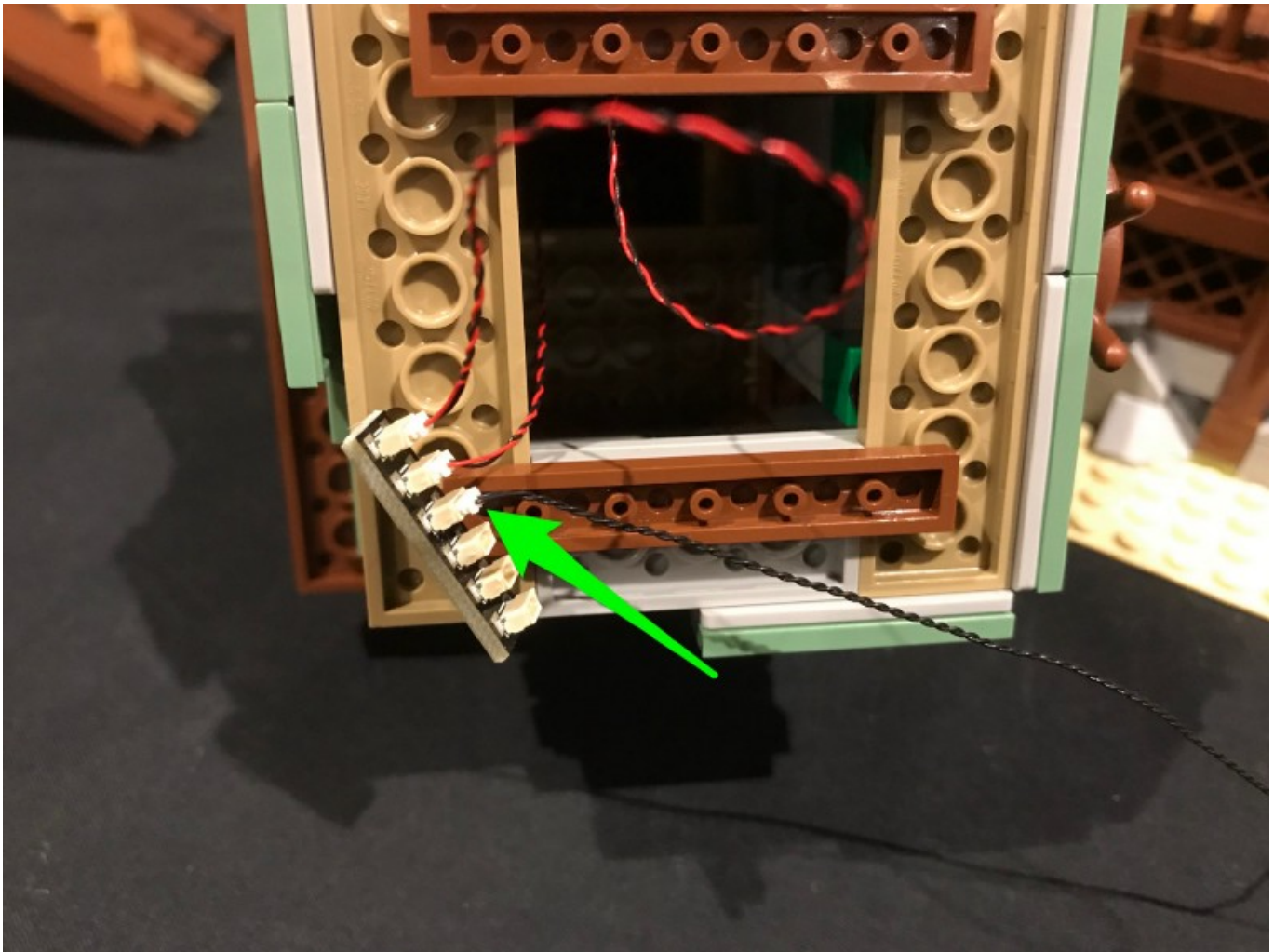




7.) Take the **6-Port Expansion Board** and then connect the two bit light cables to spare ports. ▲



8.) Take the **30cm Connecting Cable** and connect one end to the expansion board' ▲



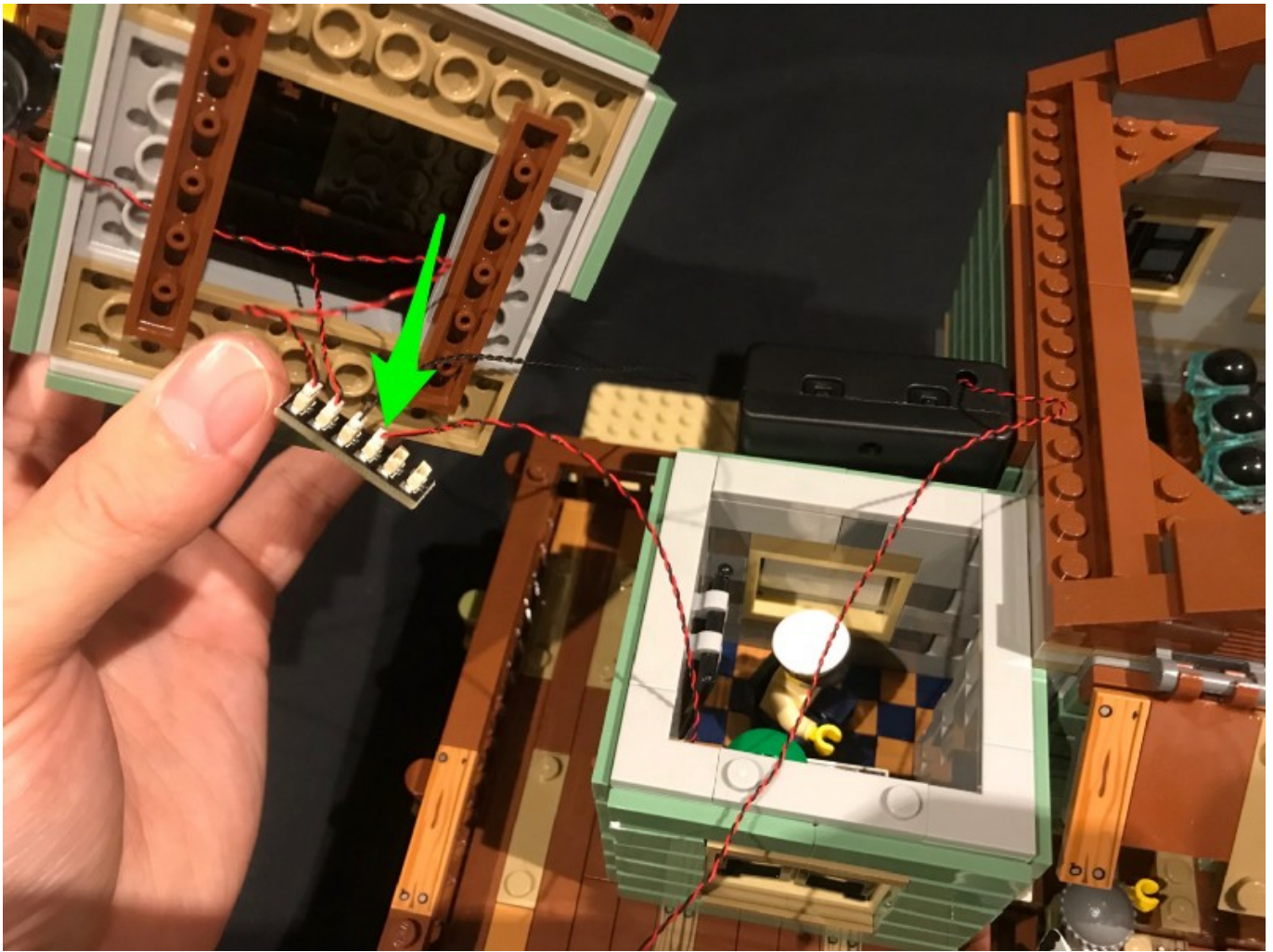
9.) Take the **AA Battery Pack** and insert 3x AA Batteries to it before placing it at the back of the old fishing store in the following location. It should seat neatly in between the back of the building and rail.

If you're using a USB Cable, place this here instead.



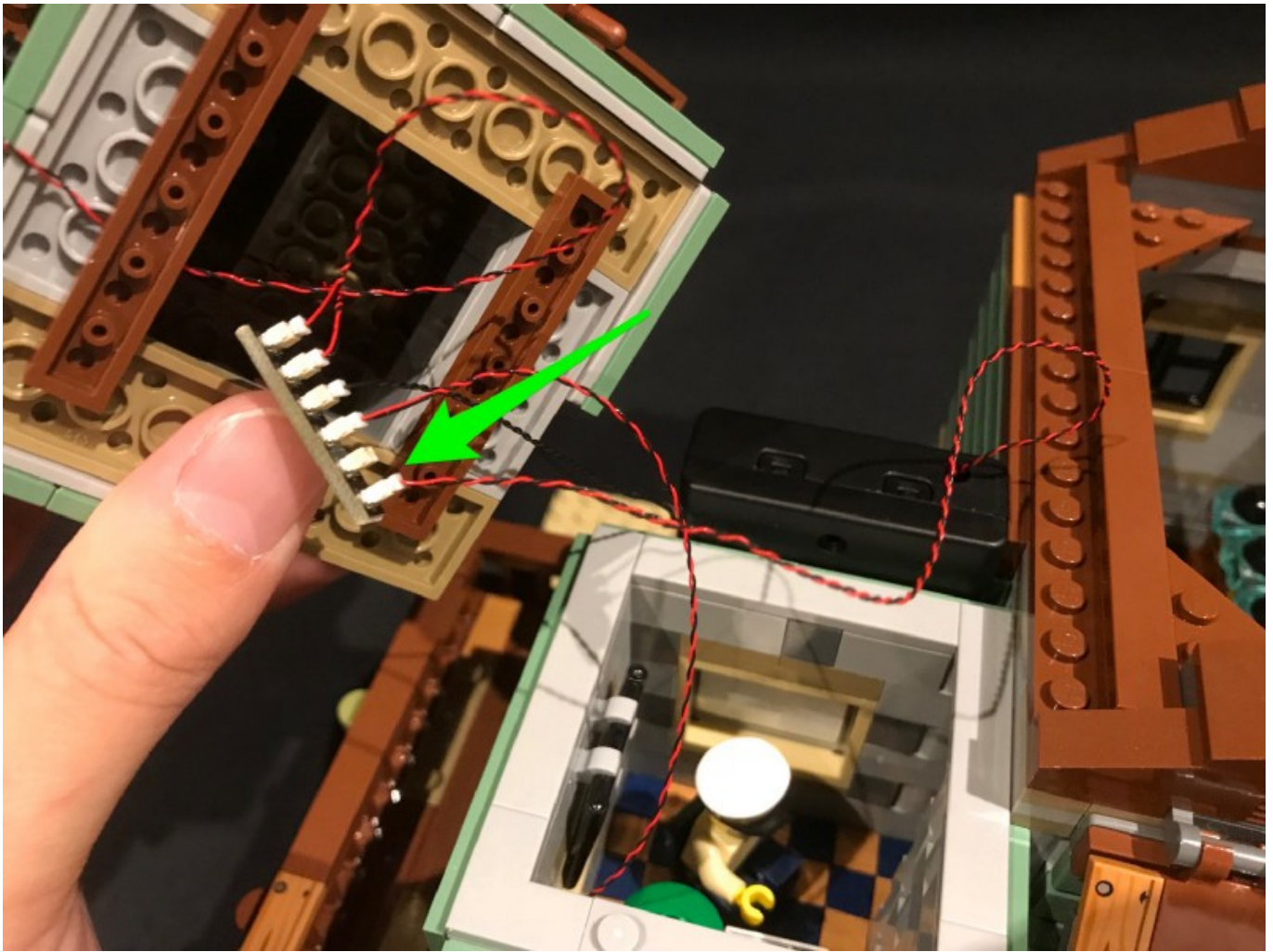


10.) Take the entire upper level above the set and take the bit light cable from the lamp inside and connect it to the expansion board. ▲



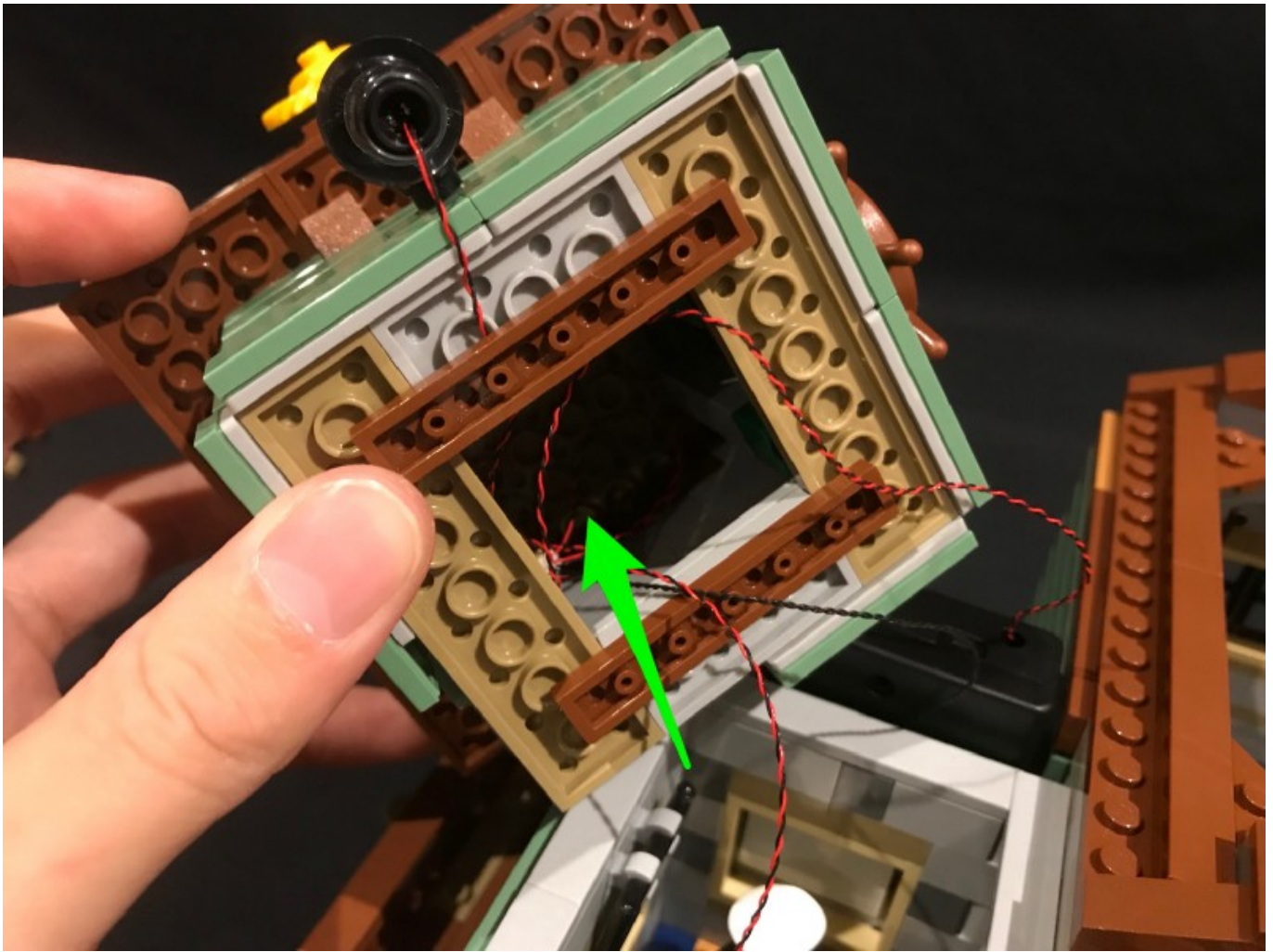
Take the battery pack / USB cable and connect it to the expansion board.





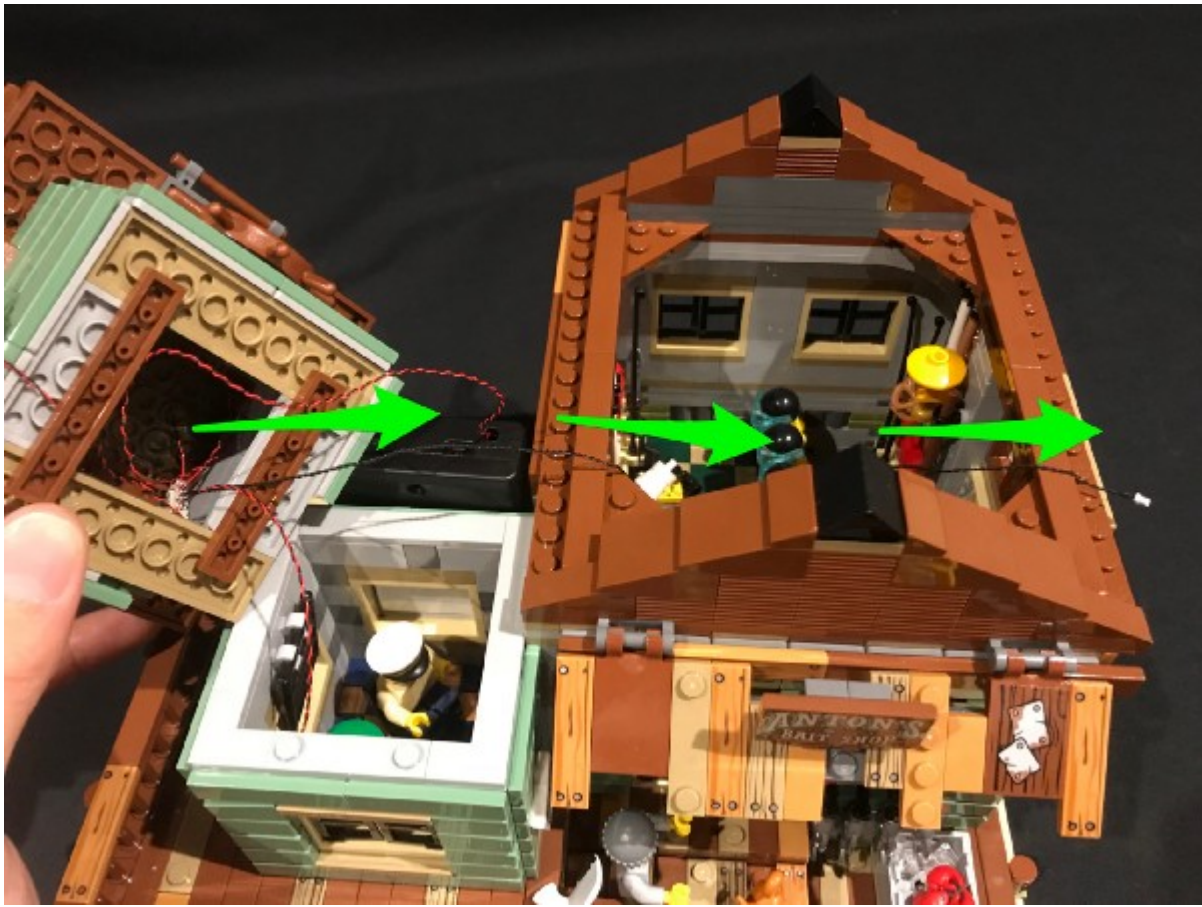
Tuck the expansion board and excess cables (except for the 30cm cable) up inside the upper level as per below.





Before reconnecting the upper level back to its original position, ensure the 30cm connecting cable is pulled across to the right section of the building.









VIEW FROM THE BACK: Ensure 30cm cable is accessible after reconnecting upper level

Test the lights we have installed so far by turning 'ON' the battery pack.

If you're using the **USB Power Cable**, connect this to a **USB Power Bank** or **wall adaptor** (sold separately) and turn it ON to test the front lights are working OK.





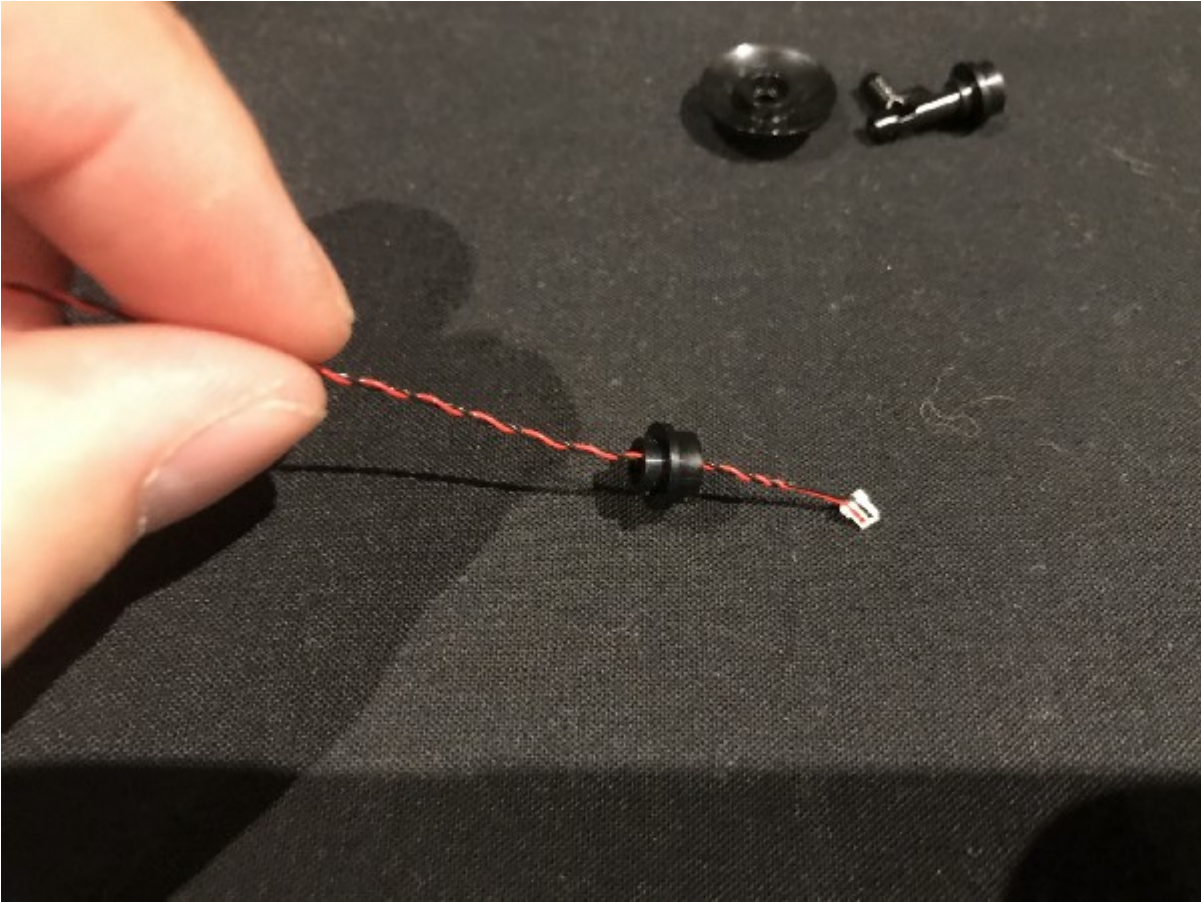
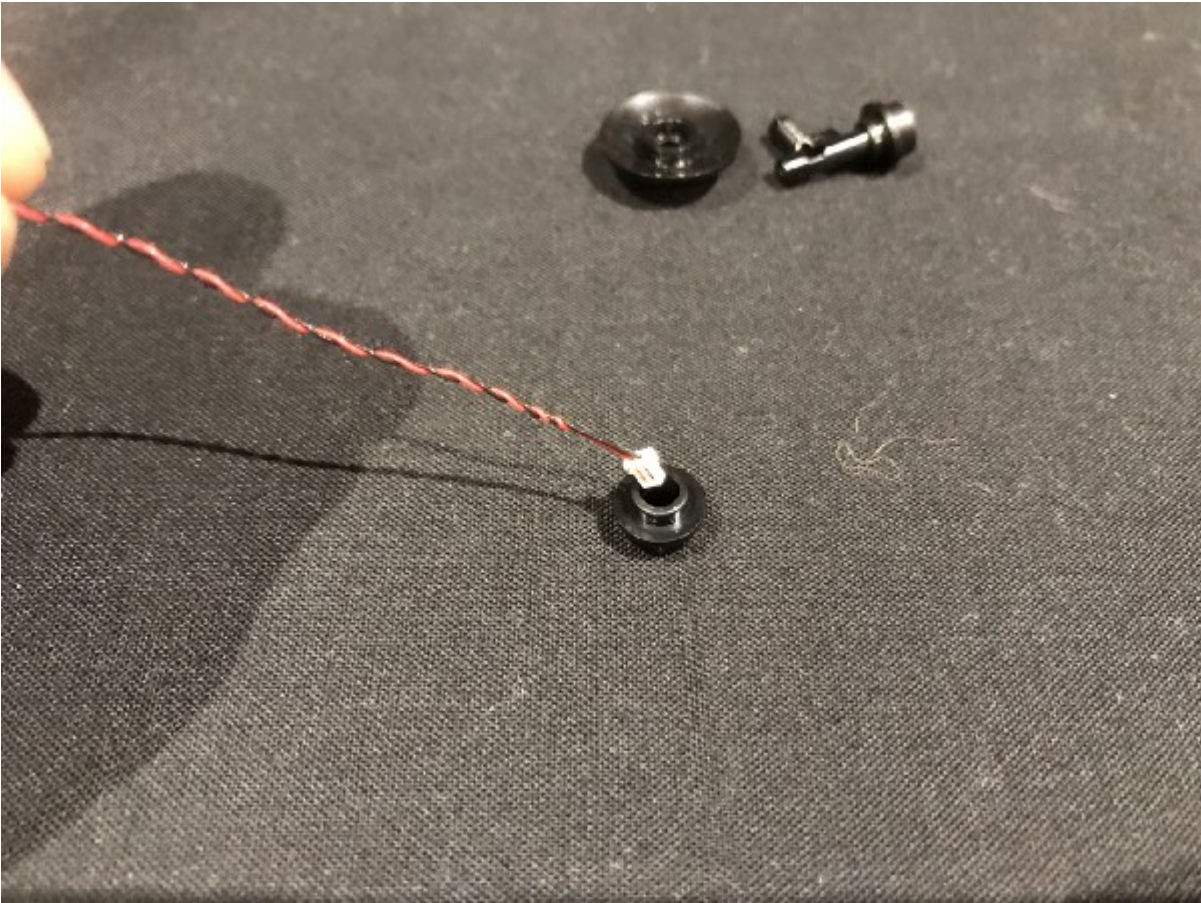
11.) Remove the lamp from the right side of the building and then disconnect the black round stud from underneath.

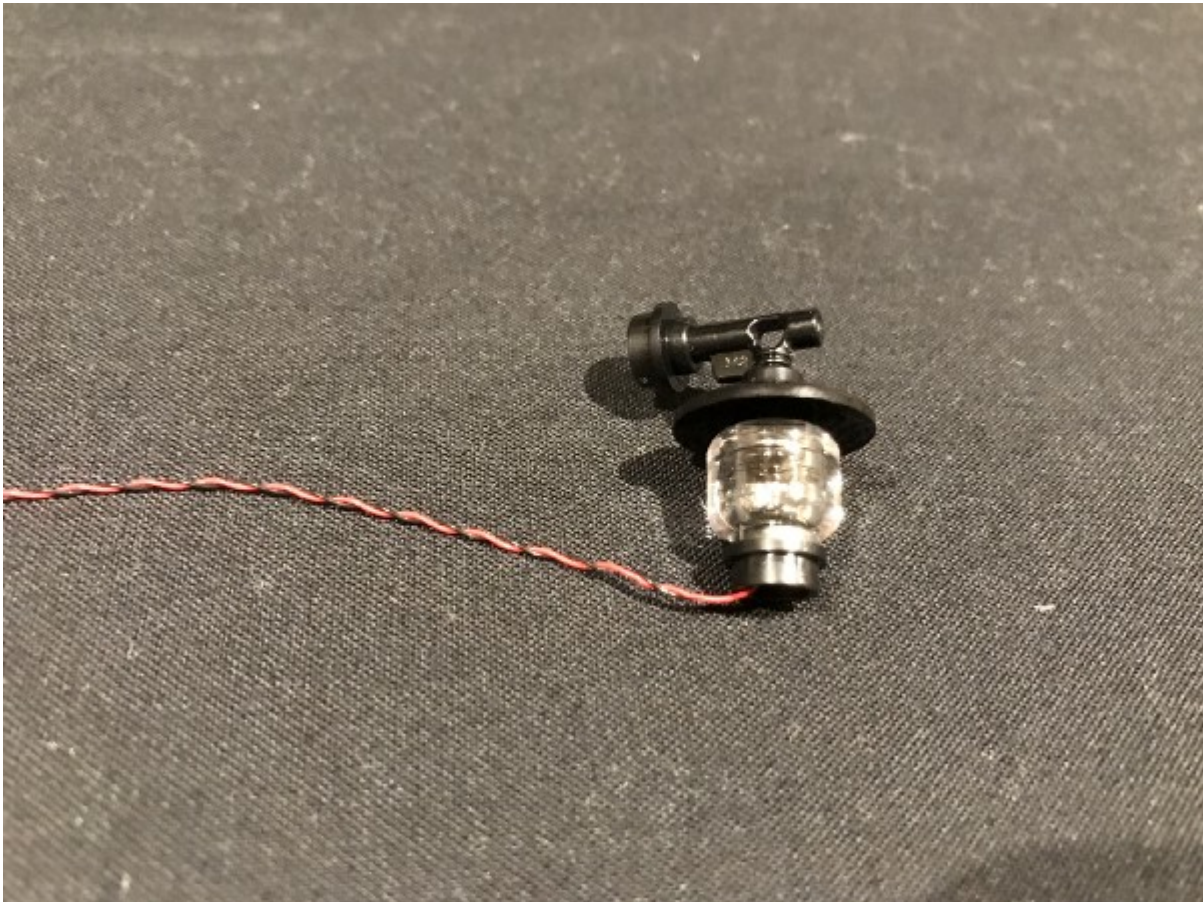
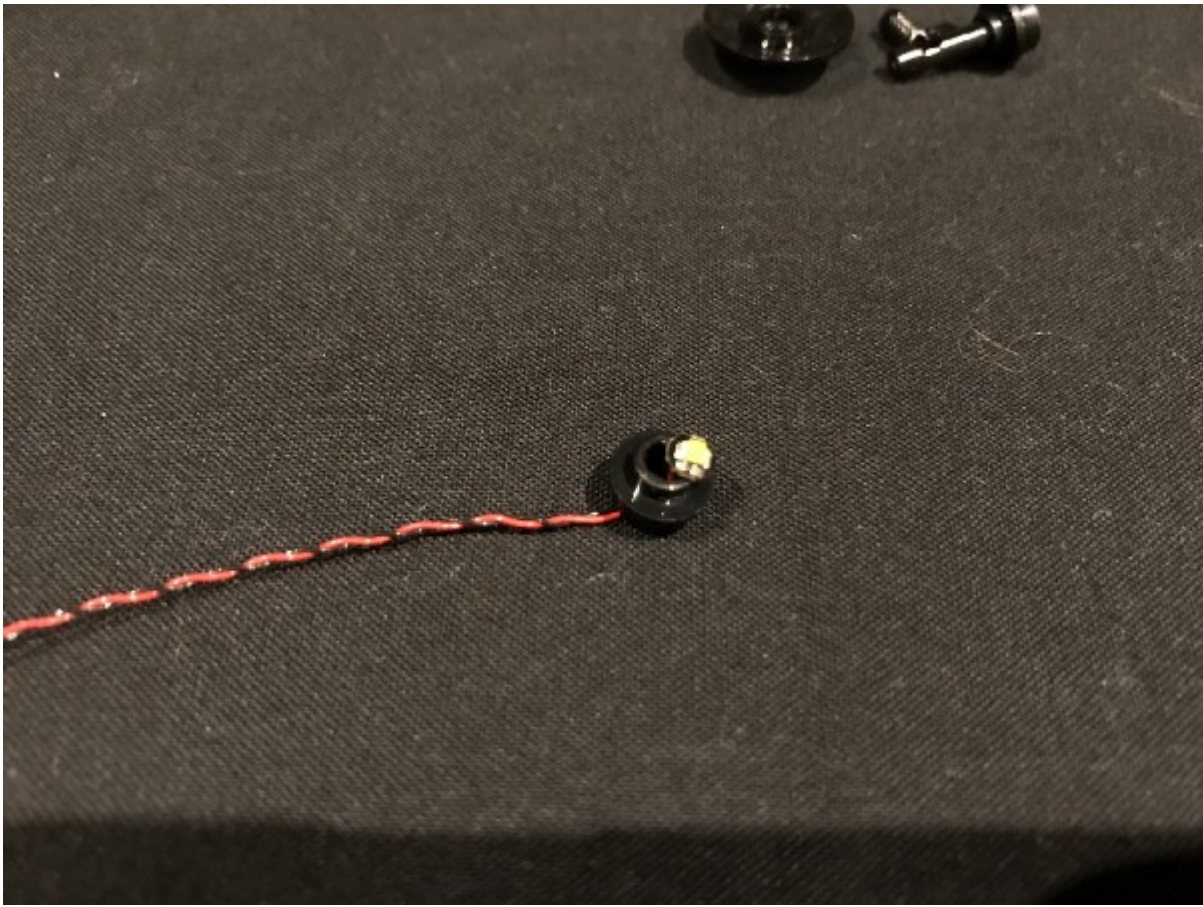




Take another **White 15cm Bit Light** and thread the connector side through the top ▲
of the black round plate. Thread it all the way through until the LED is flat against

the top of the plate then reconnect the top section of the lamp.





*You may need bend the LED slightly so that it sits flat against the top of the
LEGO piece*

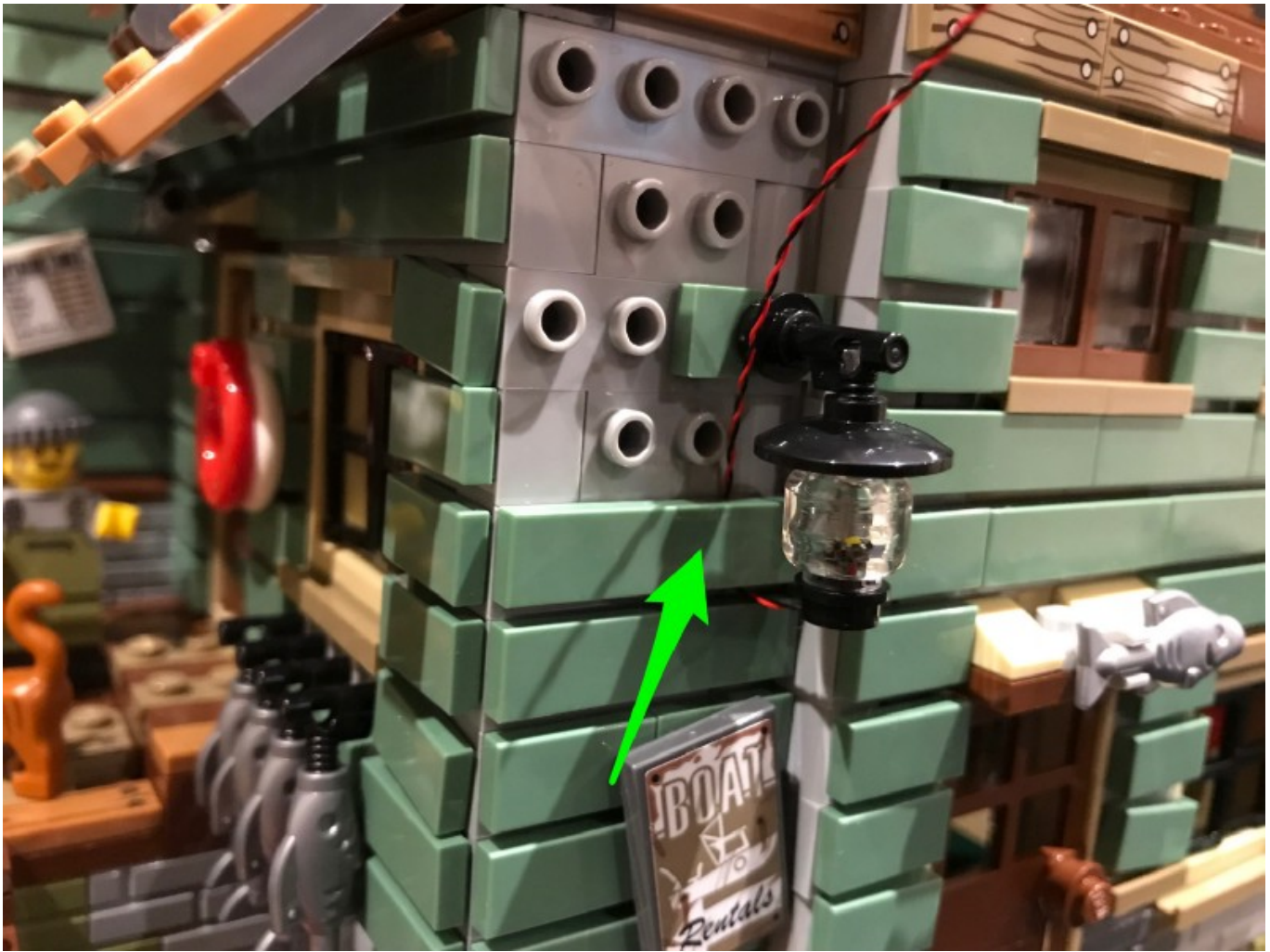
12.) Remove the following tiles on the wall surrounding where the lamp was connected to.





Reconnect the lamp with bit light installed and then pull the cable behind and up. Lay the cable in between studs before reconnecting the bottom tile we removed earlier.





13.) Continue laying the cable up the side of the wall in between the following studs before reconnecting the tiles over the top.



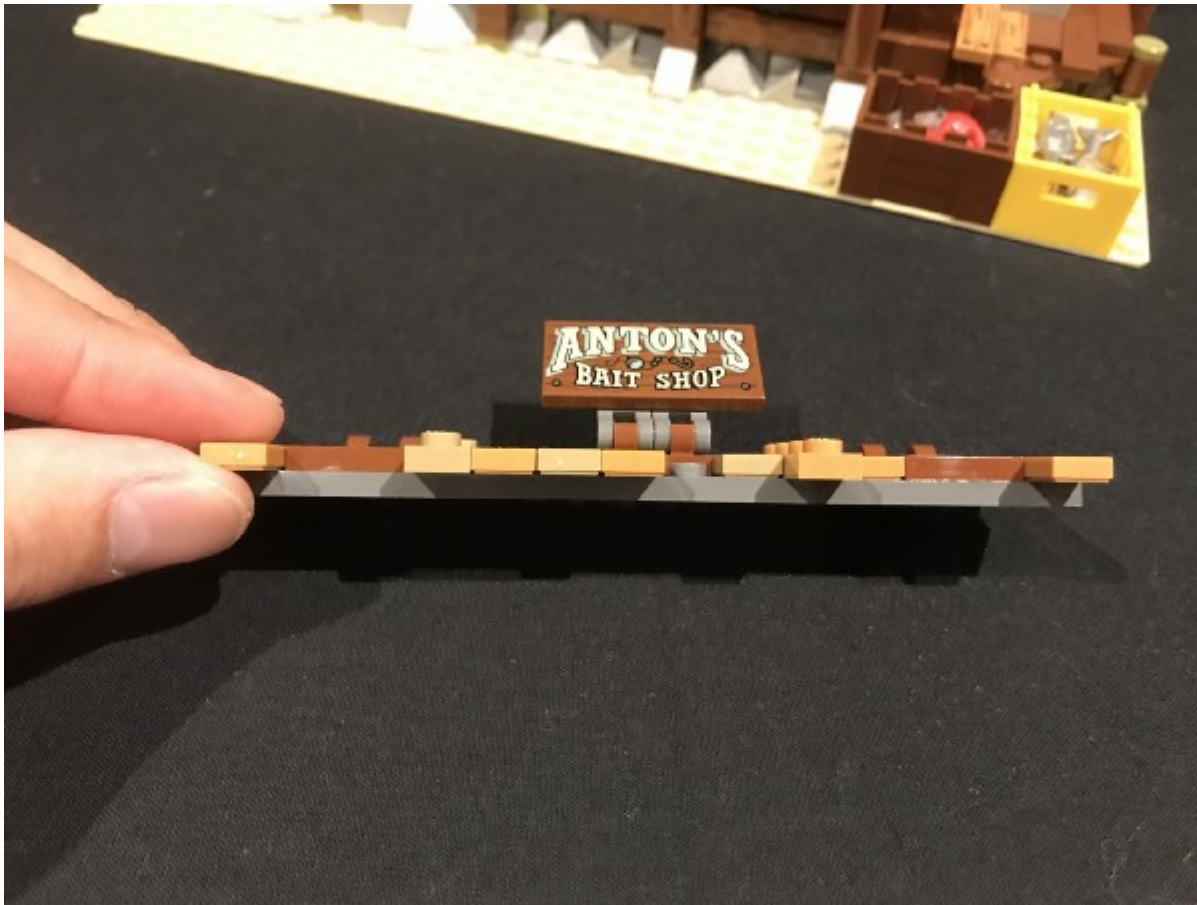




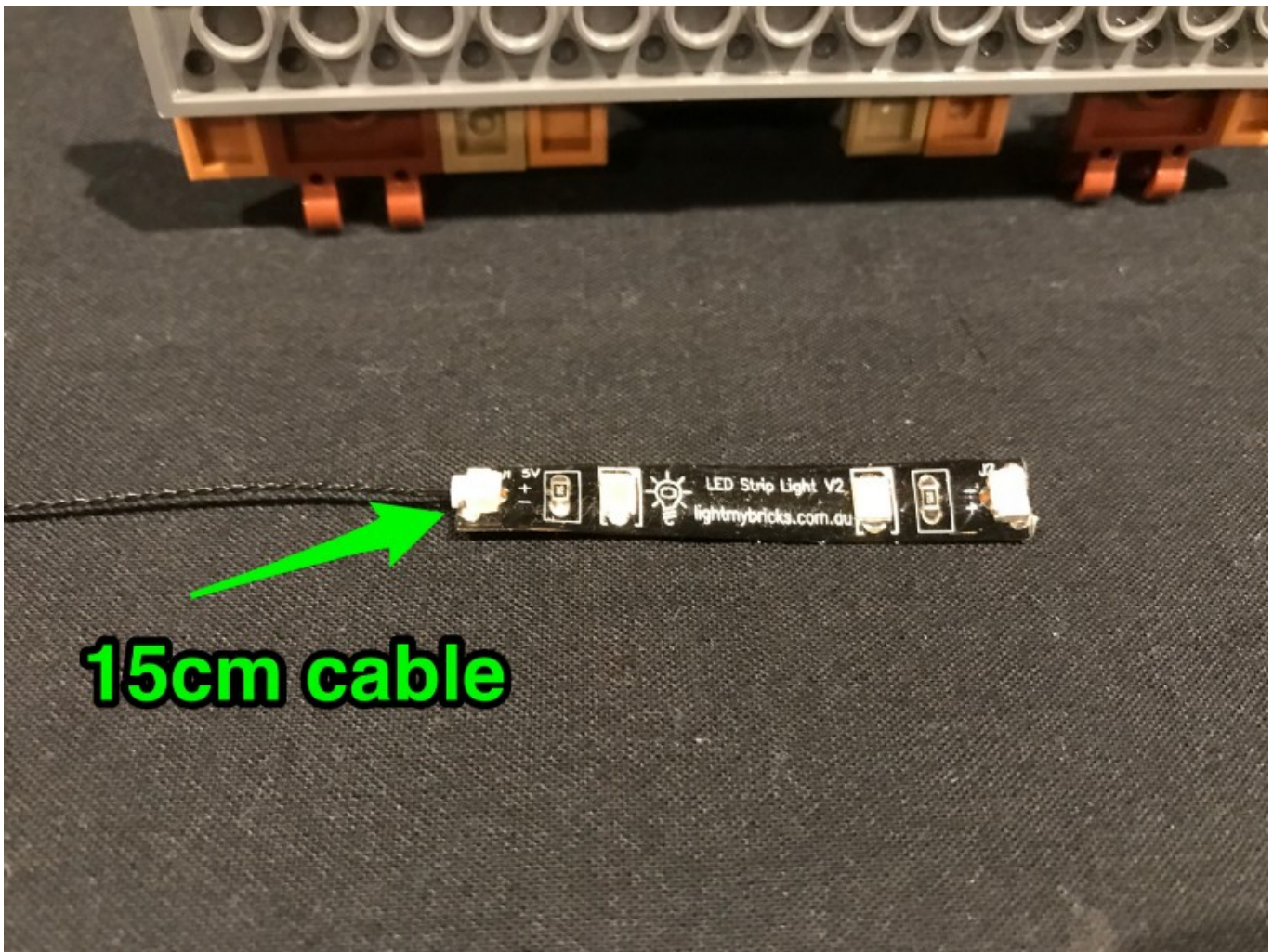
14.) Turn the building around to the front and remove the “Anton’s Bait Shop” sign from the hinges and then turn the sign section over as per below.







15.) Take 1x **White Strip Light** and then connect a **15cm Connecting Cable** to the left port.



Using its adhesive backing, stick the strip light to the bottom of the 'Anton's Bait Shop' sign in the following position.



16.) Take the sign section above the fishing store and then connect the other end of the lamp cable from underneath into the right port of the strip light before reconnecting the sign section back into place.





Tuck in the excess cable from the lamp underneath the sign section as per below: ▲



Pull the 15cm connecting cable from the strip light out so we can connect this late ▲

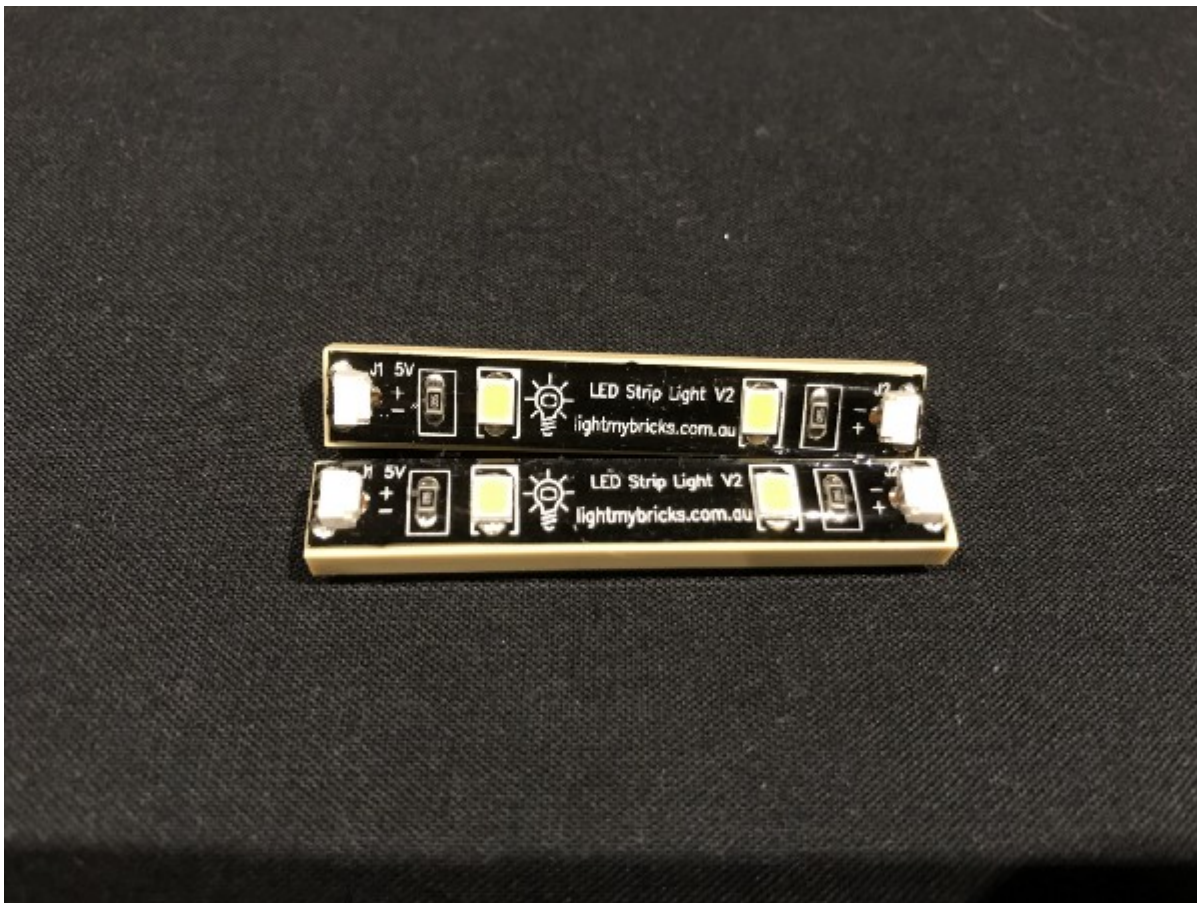
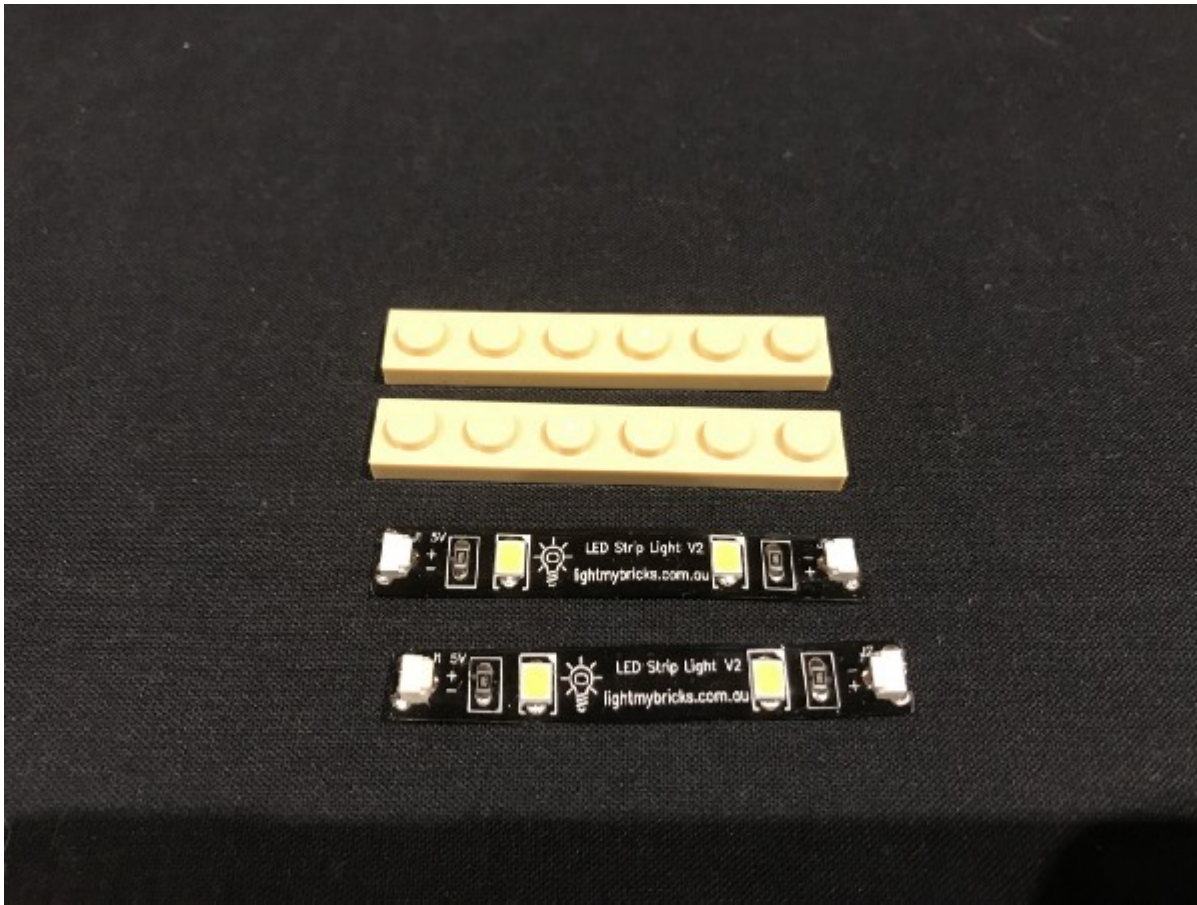


17.) Take the main roof section and then turn it over onto its back as per below:

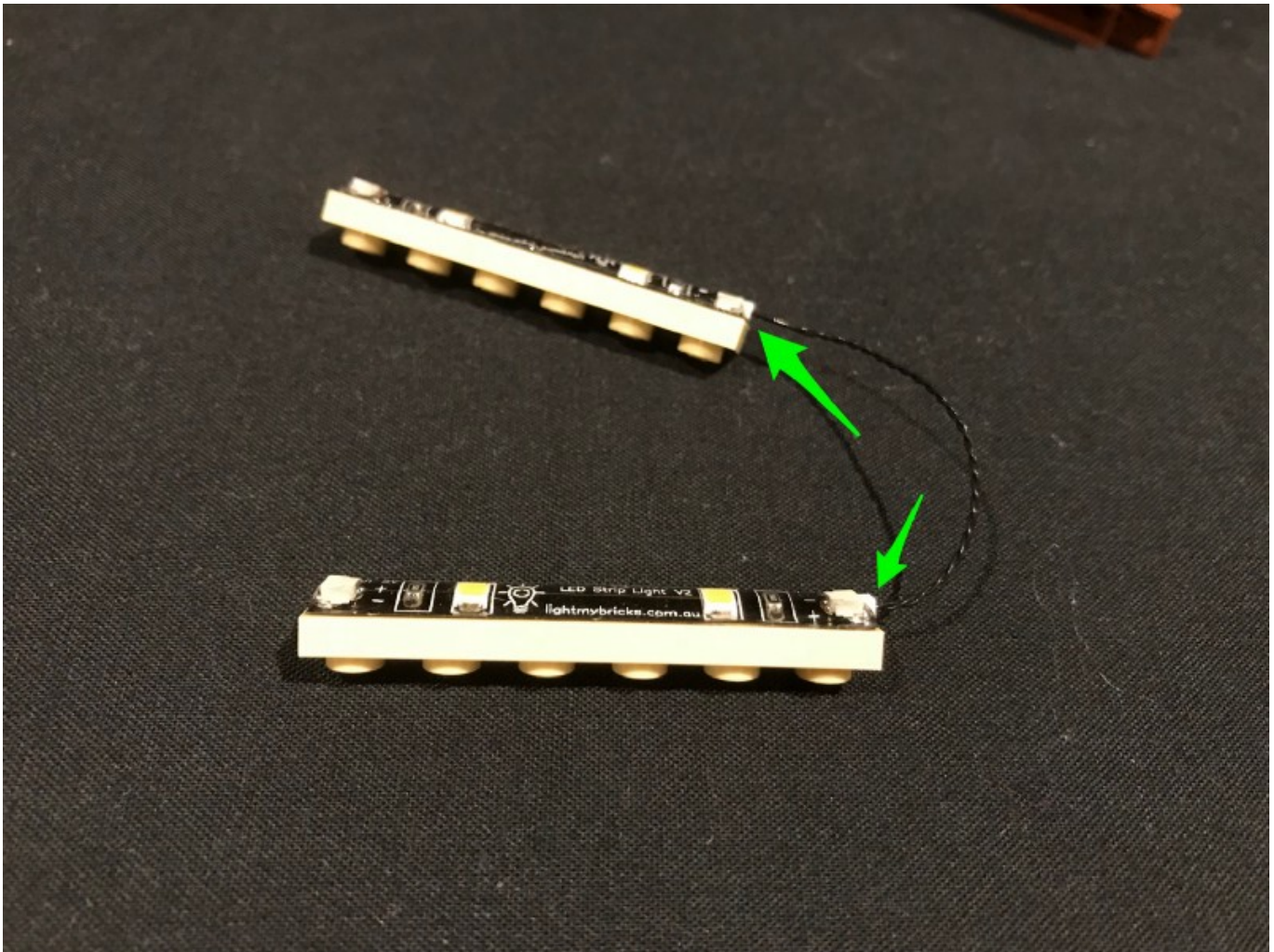




Take the remaining **2x White Strip Lights** and stick them to the provided LEGO 1x6 Plates using their adhesive backing. ▲



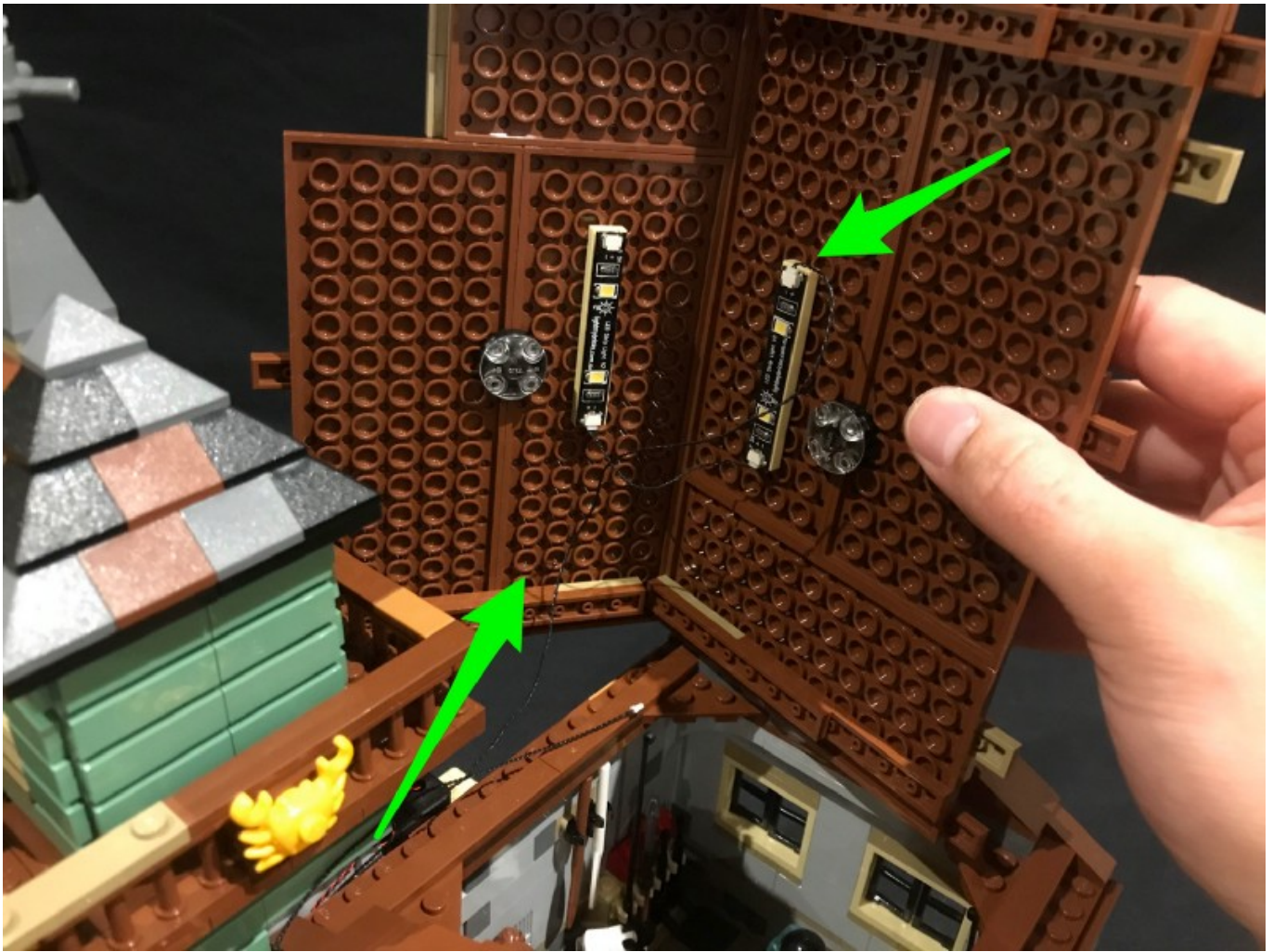
Take the **5cm Connecting Cable** and connect them between the two strip lights. ▲



18.) Mount the two Strip Lights underneath the main roof section in the below position.

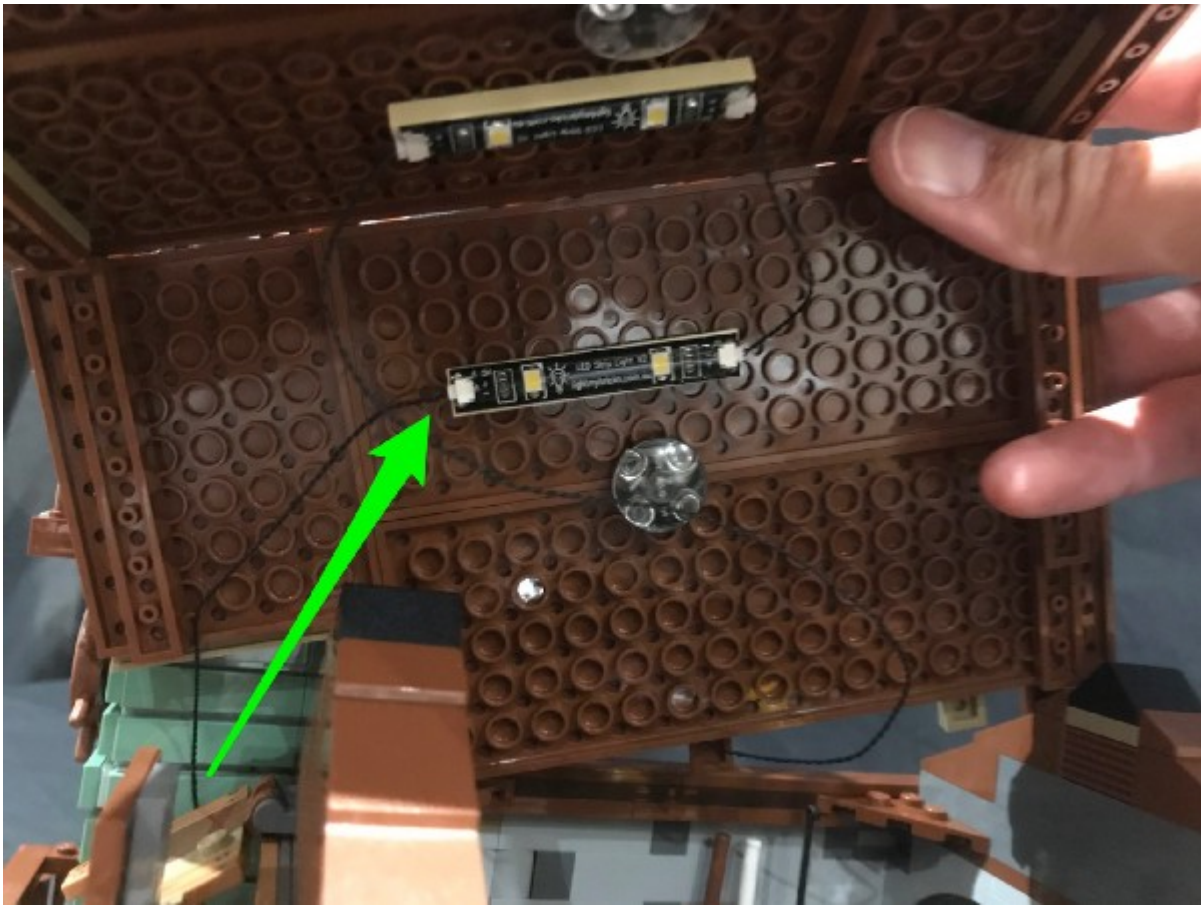


19.) Take roof over the fishing store and then connect the other end of the 30cm cable from the left section of the building to the top of the right strip light.



Before reconnecting the roof, take the other end of the 15cm cable below and connect it to the top of the left strip light.







This finally completes installation of the Old Fishing Store Light Kit. Now turn 'ON' your light kit and ENJOY!





 Light My Bricks



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