

# Light My Bricks: LEGO Tree House 21318 Lighting Kit



The following page is the instructions for the **Light My Bricks LEGO Tree House (21318) LED light kit**.

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

To ensure a trouble-free installation of your light kit, please read and follow each step carefully. These instructions can be downloaded in PDF format **here**

*Please note: This page lists instructions for the LED light kit only. If you are wishing to purchase the Light My Bricks LEGO Tree House (21318) LED light kit, please click [here](#) to view the product page*

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## Package Contents:

- 8x White 15cm Bit Lights
- 3x White 30cm Bit Lights
- 1x Cool White 30cm Bit Lights
- 2x Blue 30cm Bit Light
- 3x Warm White Strip Lights
- 1x 8-Port Expansion Board
- 1x 12-Port Expansion Board
- 1x Flicker Effects Boards
- 1x 5cm Connecting Cable
- 3x 15cm Connecting Cables
- 2x 30cm Connecting Cables
- 1x RGB Remote Control and RGB Control Board
- 5x RGB Strip Lights
- 5x RGB Connecting Cable 15cm
- 1x USB Power Cable
- 6x 3M Adhesive Squares

## LEGO Pieces:

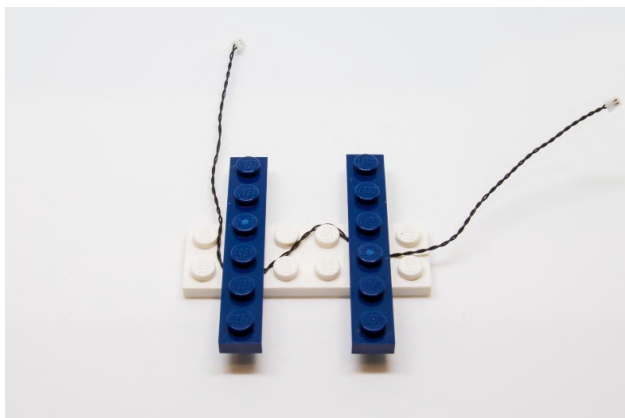
- 1x Trans Orange Round Plate 1x1
- 2x Trans Clear Plate w Rounded Bottom 2x2
- 3x Trans Clear Plate 1x1

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## Important things to note:

## Laying cables in between and underneath bricks

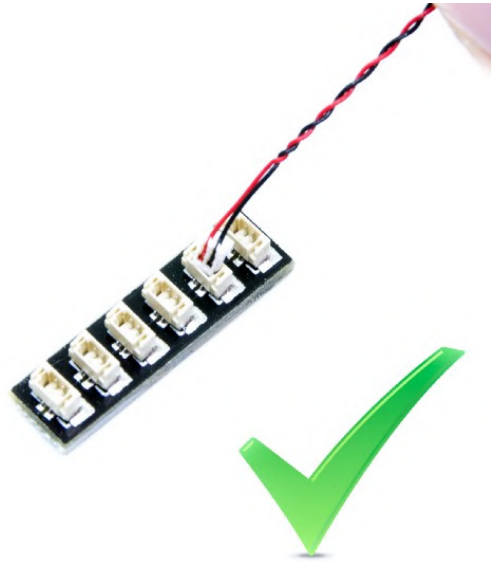
Cables can fit in between and underneath LEGO® bricks, plates, and tiles providing they are laid correctly between the LEGO® studs. Do NOT forcefully join LEGO® together around cables; instead ensure they are laying comfortably in between each stud.



**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.



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

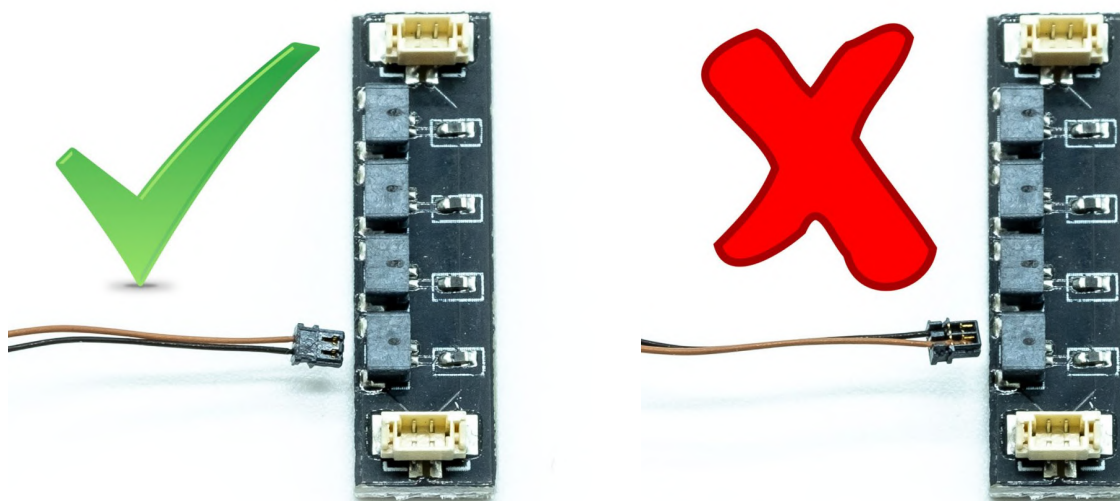
## Connecting cable connectors to Strip Lights

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.



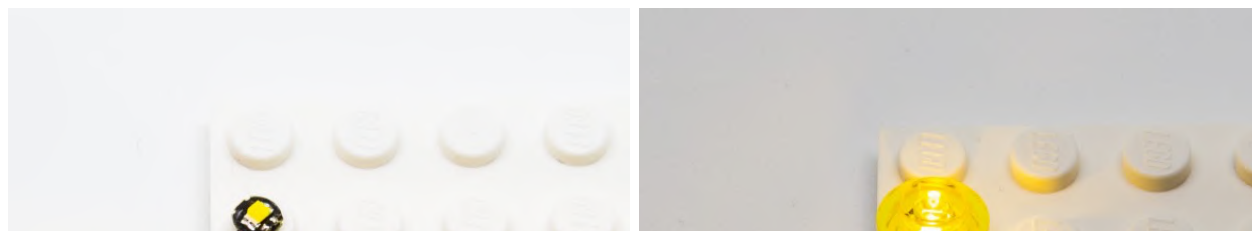
## Connecting Micro Cable connectors to Micro Expansion Board Ports

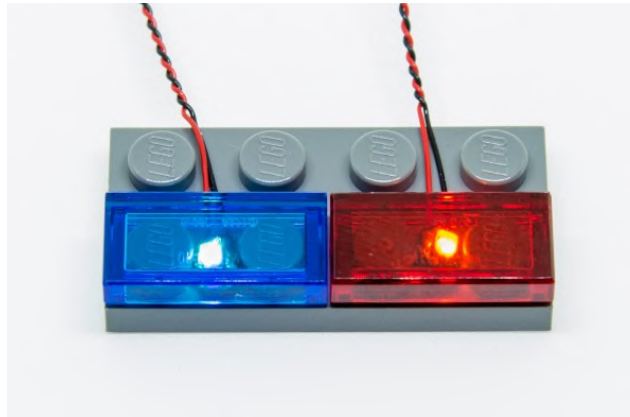
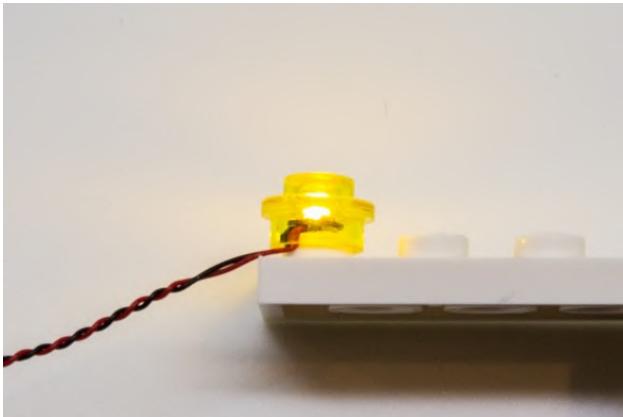
Take extra care when inserting the micro connectors to micro ports of Micro Expansion Boards. Connecting Micro Bit Lights to Micro Expansion Boards is similar to connecting lights and cables to Strip Lights. With the expansion board facing up, ensure the side of the connector with the wires exposed is **facing down**. If a plug won't fit easily into a port connector, do not force it. Use your fingernail to push the plastic part of the connector to the micro port.



## Installing Bit Lights under LEGO® bricks and plates.

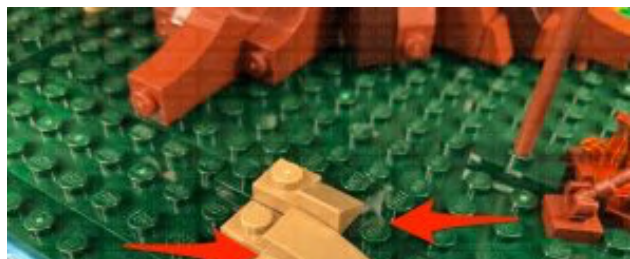
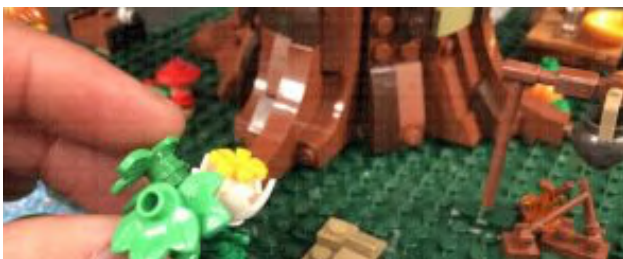
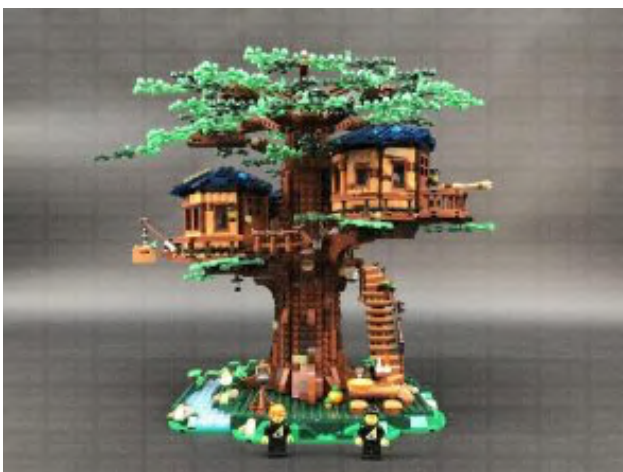
When installing Bit Lights under LEGO® pieces, ensure they are placed the correct way up (Yellow LED component exposed). You can either place them directly on top of LEGO® studs or in between.

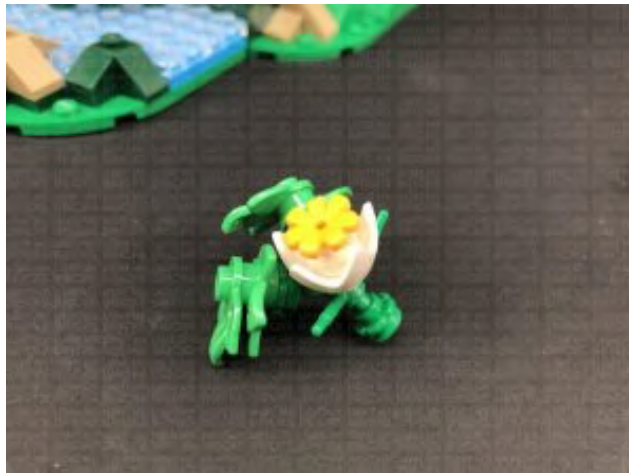




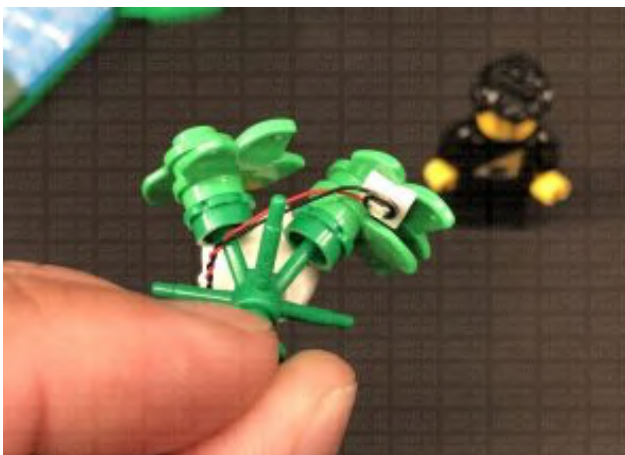
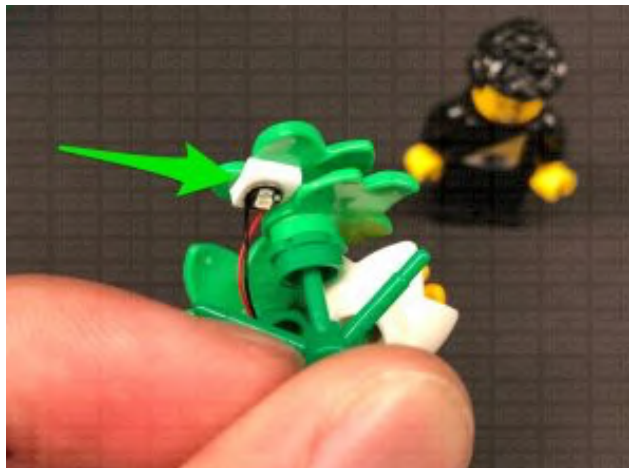
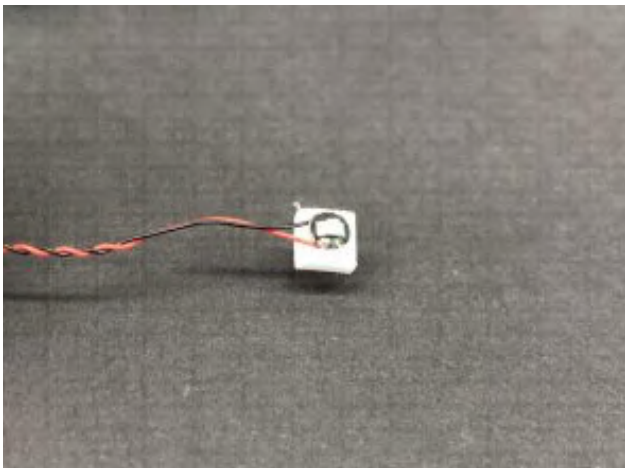
## OK, Let's Begin!

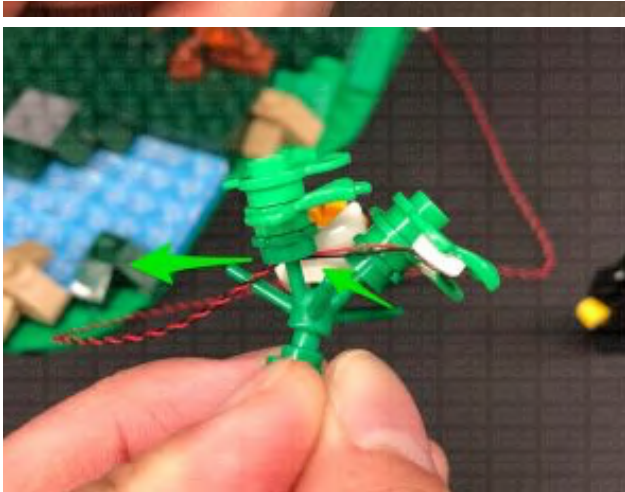
1.) We will start with lighting the water section. First disconnect the following plant, as well as the brown pieces to the right of it (including the dark green plate they sit on top of).



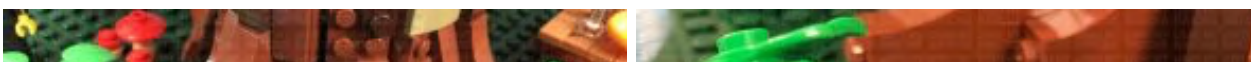


Take a **Blue 30cm Bit Light** and stick it to an **Adhesive Square**. Stick the Bit Light (LED facing down) underneath the the leaf piece on the left of the white flower. Ensure the cable is laid behind the stems and toward the back of the plant, then reconnect the plant to the set in a new position as shown below.

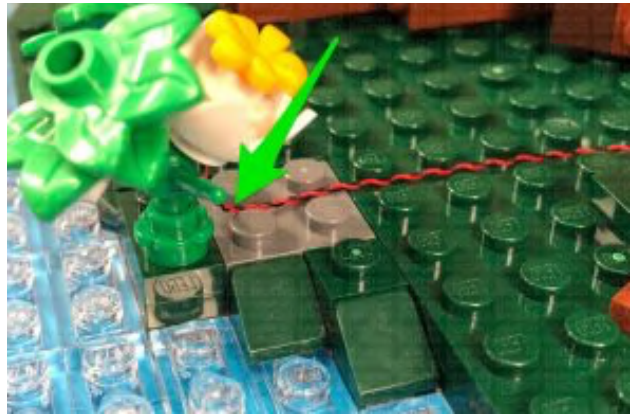




2.) With the cable running toward the back, press the cable down at the bottom corner of the plant, ensuring it is laid in between the studs, then reconnect the first lot of brown pieces over the cable.







Run the cable to the left, ensuring it is laid in between studs before reconnecting the final brown pieces and green plate over the top.



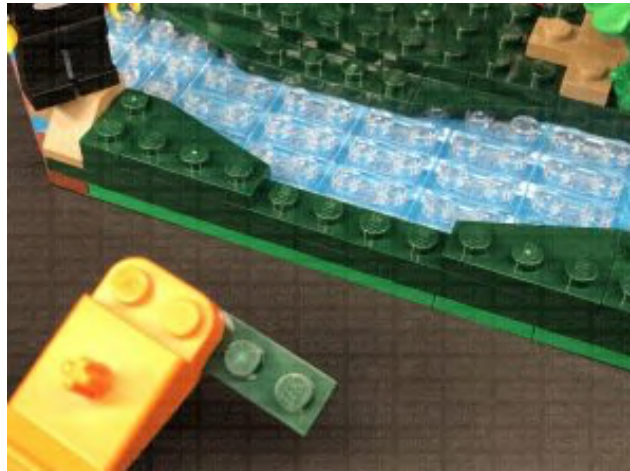
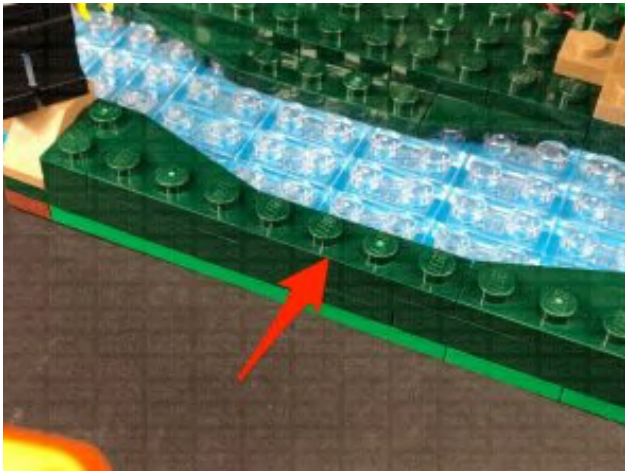
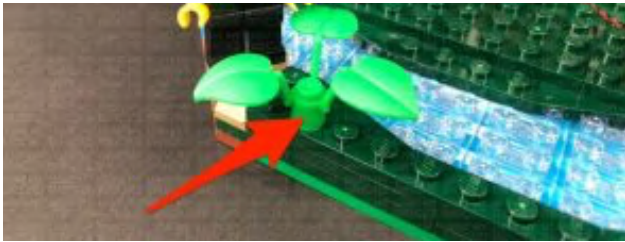


Lay the cable underneath the tree trunk towards the other side as shown below:



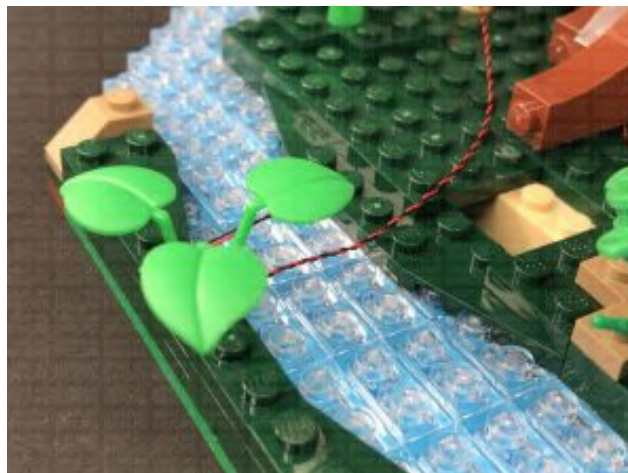
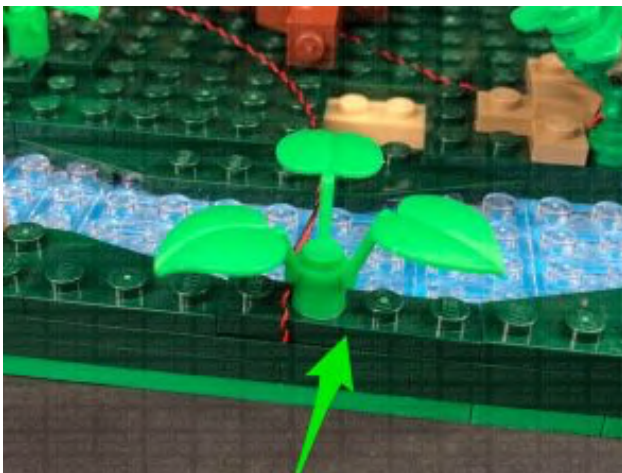
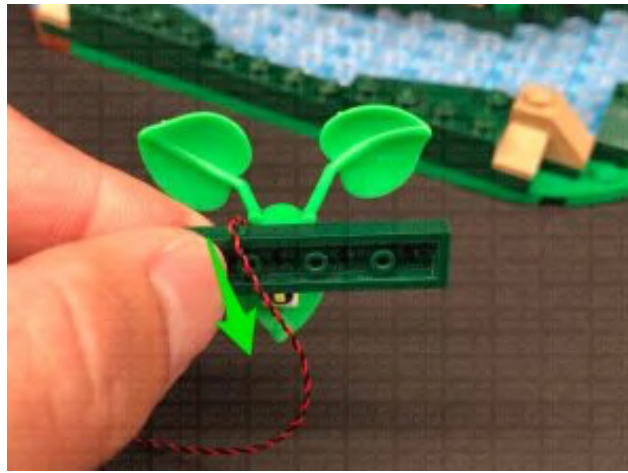
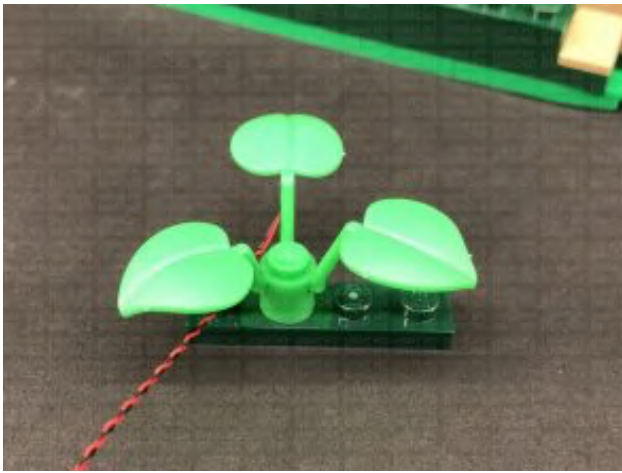
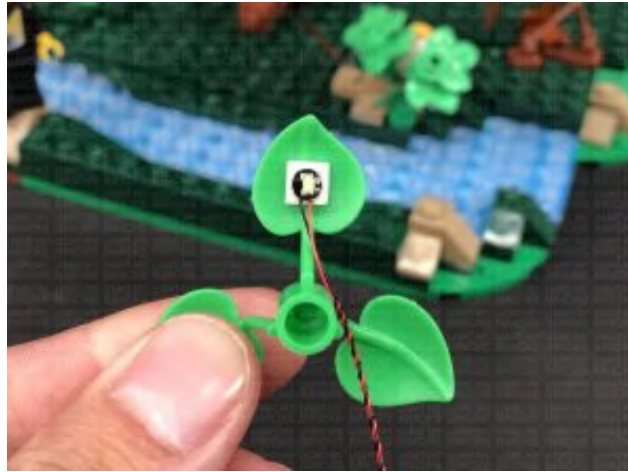
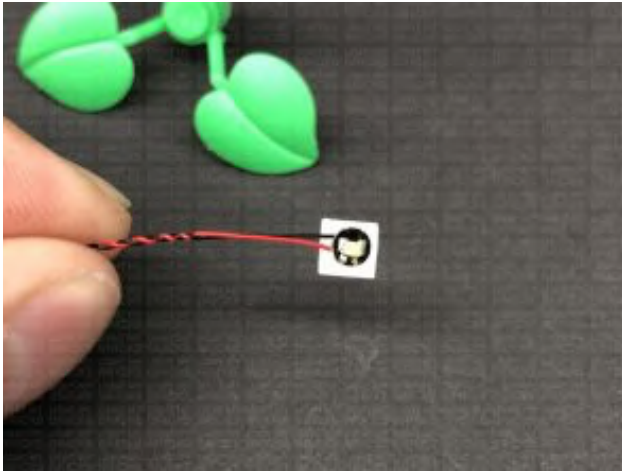
**3.)** Disconnect the following plant, then using your LEGO removal tool, disconnect the following dark green 1×4 plate and 2×3 plate.



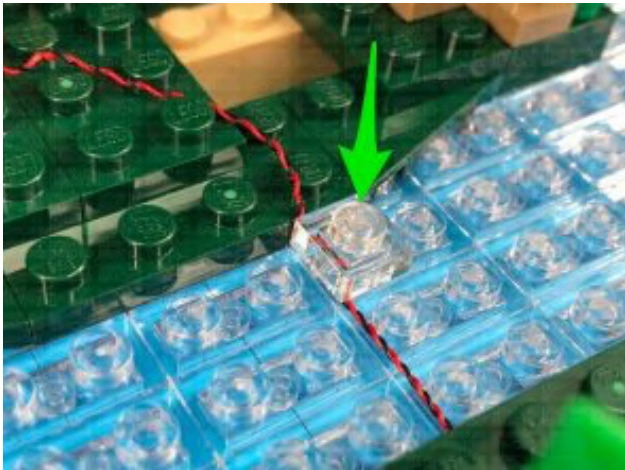
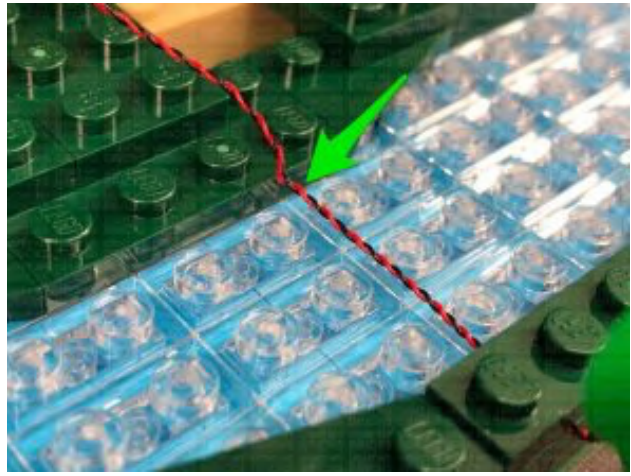
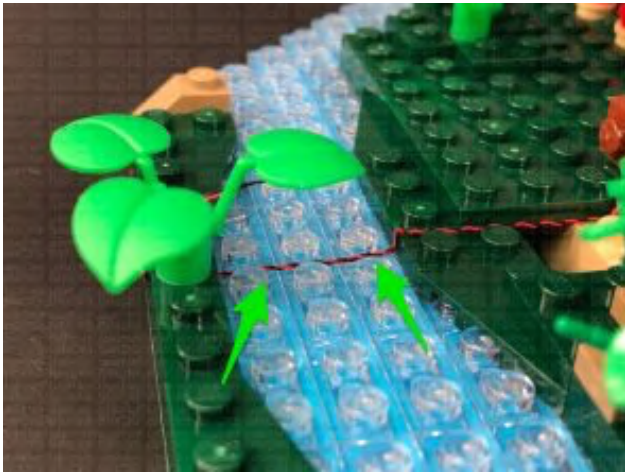


Take a **Cool White 30cm Bit Light** and stick it to another **Adhesive Square**. Stick the Bit Light (LED facing down) underneath the plant's tallest leaf, ensuring the cable is laid toward the back before reconnecting the plant to the dark green 1x4 plate. Fold the cable underneath the 1x4 plate, then reconnect

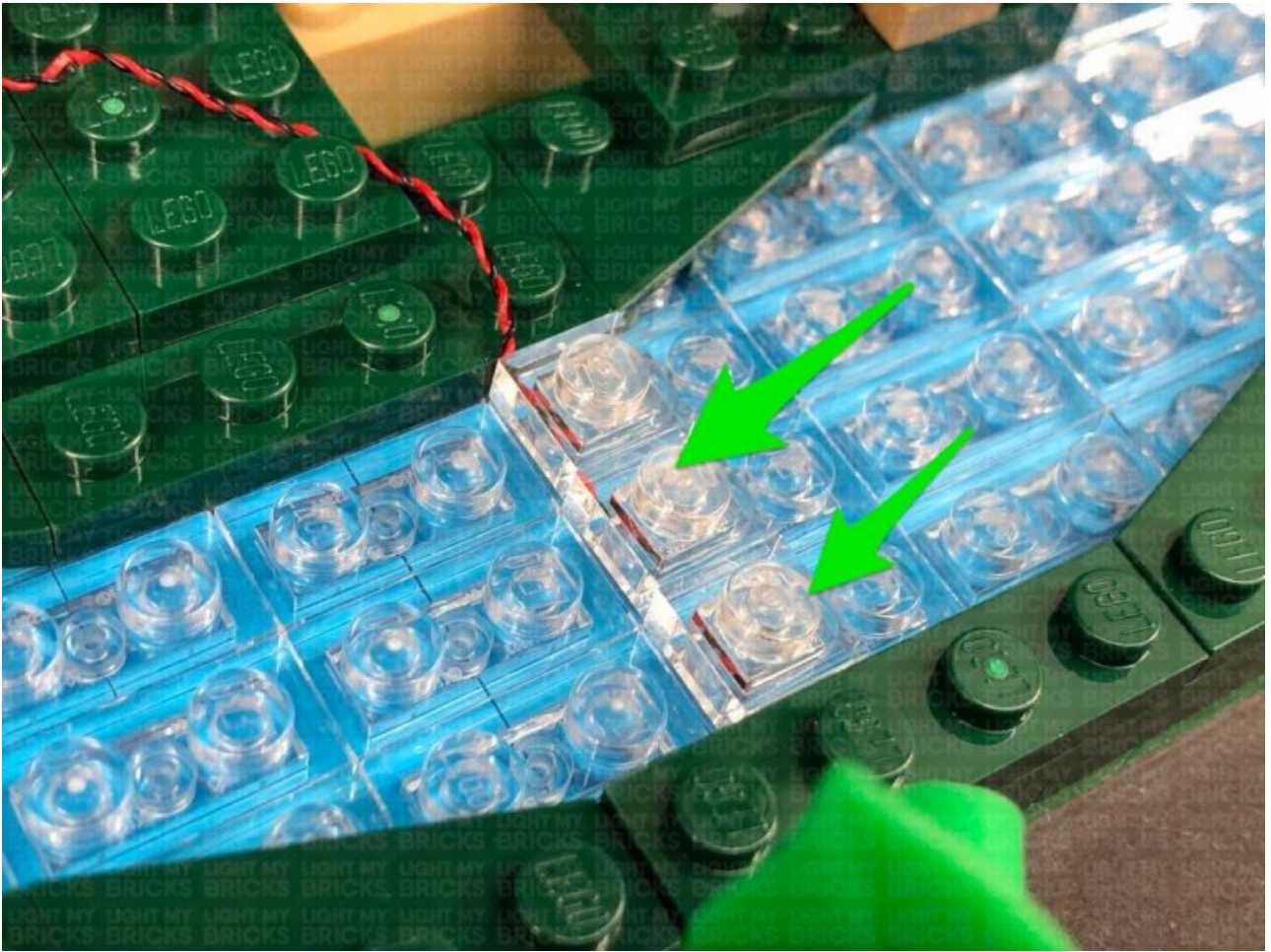
the plate to the set.



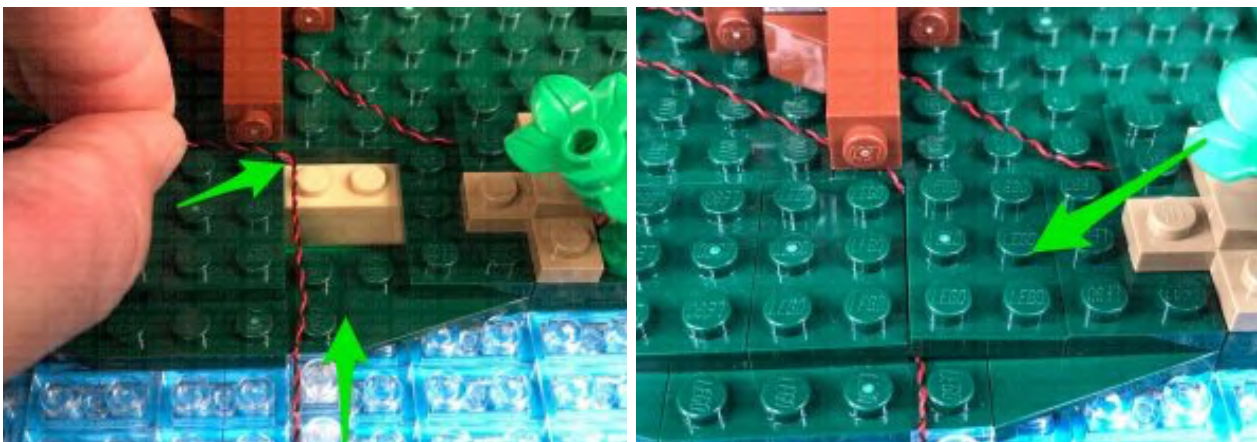
4.) Lay the cable in between studs, up towards the other side of the water, then push the cable down into the corner between trans clear and green plate. Take a provided LEGO **Trans Clear Plate 1x1** and connect it over the cable with the cable on the left side of the trans clear plate.



Take another **2x Trans Clear Plate 1x1** and connect it to the next two studs along the water, ensuring the cable is laid underneath the left side.

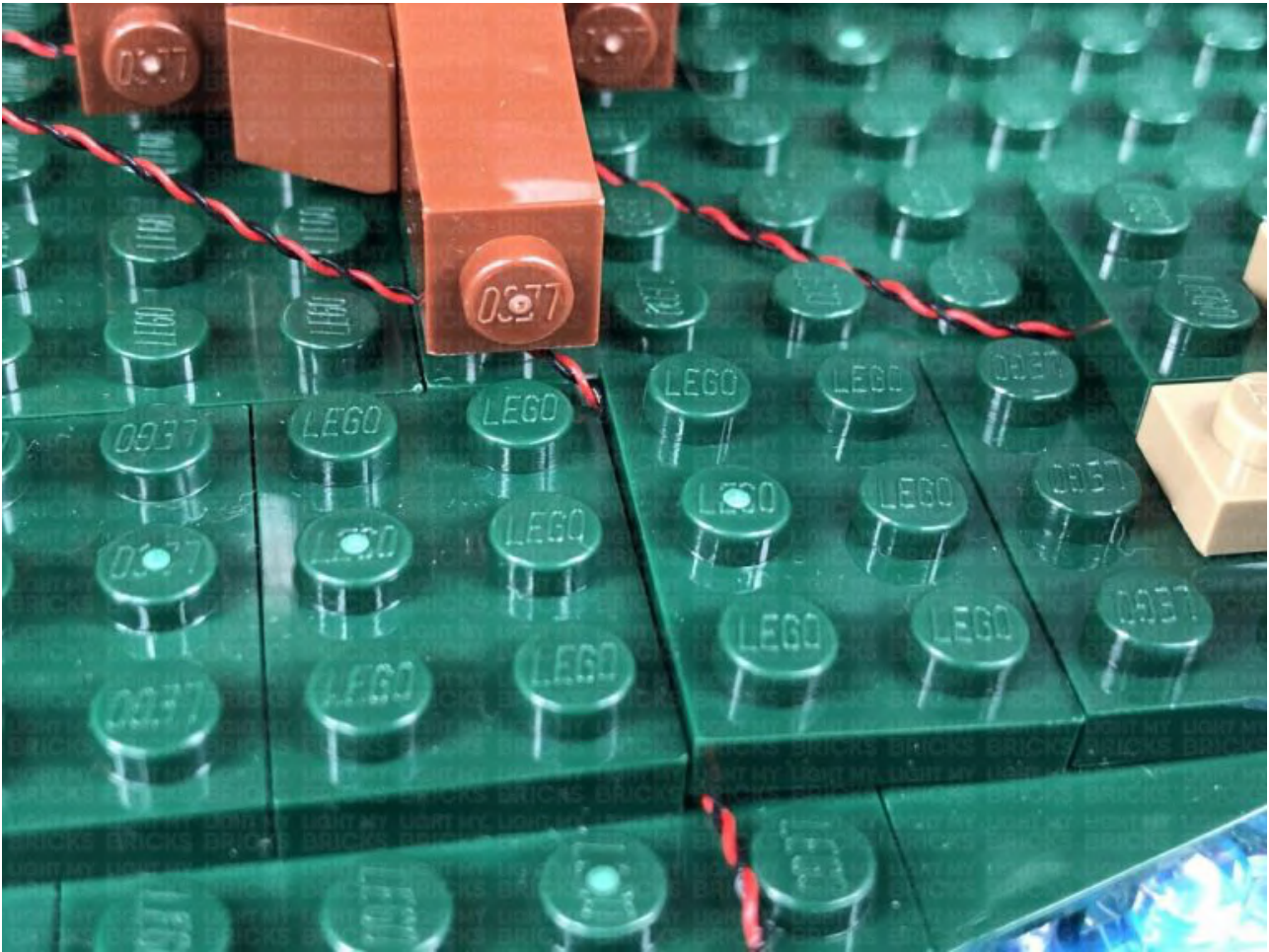


Continue to lay the cable up toward the tree, in between studs, then push the cable down into the following top left corner where the tan studs are. Reconnect the dark green 2x3 plate ensuring you connect the front side of the plate first. It is important that you connect the front side first so that it reduces the risk of snapping the cable.





Do NOT forcefully connect the plate completely where the cable is in the top left corner. Doing so will snap the cable. The plate should be completely connected where the right studs are, and partially connected where the left studs are.



Bring the cable to the back of the tree, ensuring you hide it underneath the tree trunks as shown below:





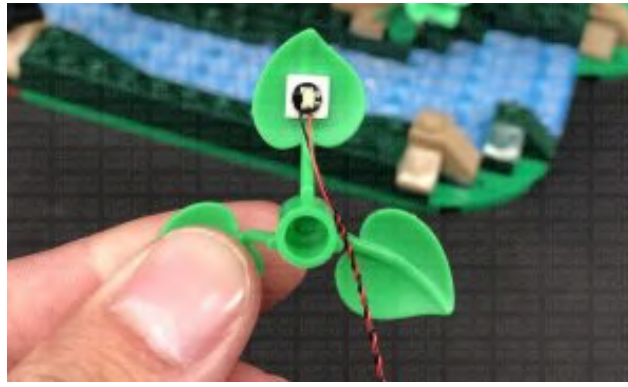
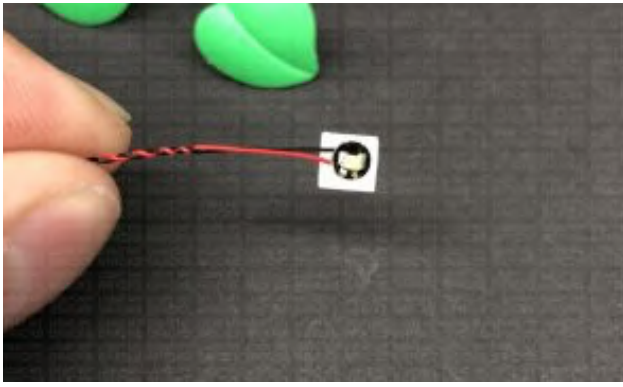
5.) Disconnect the following plant, as well as the following two dark green plates.



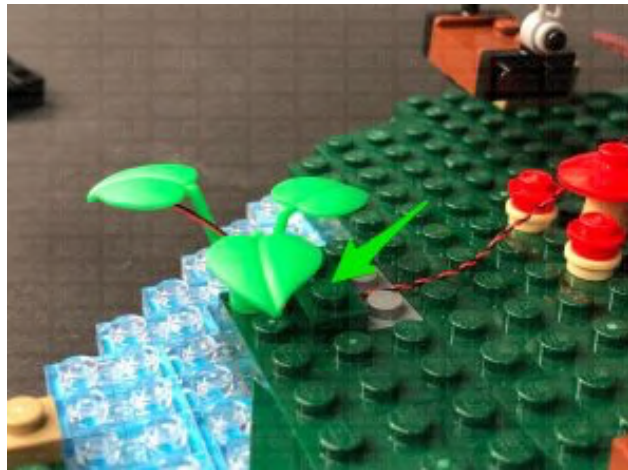
Take the remaining **Blue 30cm Bit Light** and stick it to another **Adhesive Square**. Stick the Bit Light (LED facing down) underneath the plant's tallest leaf, ensuring the cable is laid toward the back before reconnecting the plant to a new position as shown below:



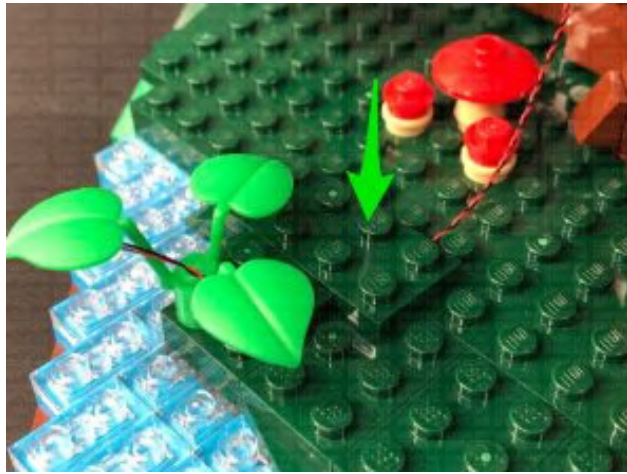
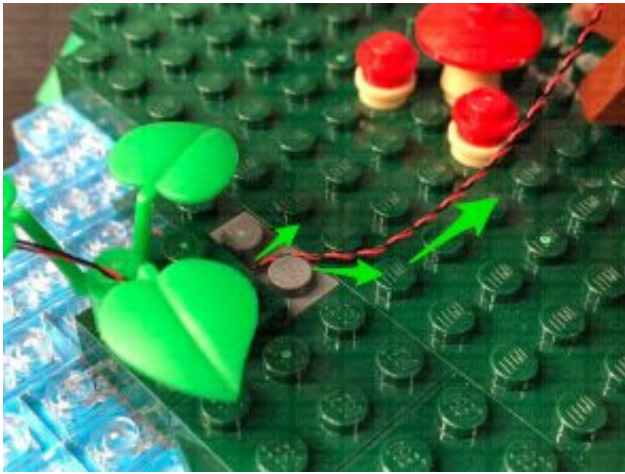




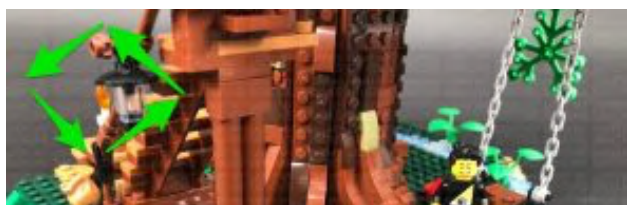
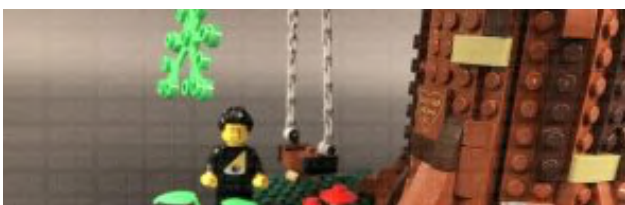
Lay the cable in between studs toward the tree, then push the cable down where the first stud is (behind the plant). Reconnect the dark green 1x2 plate.

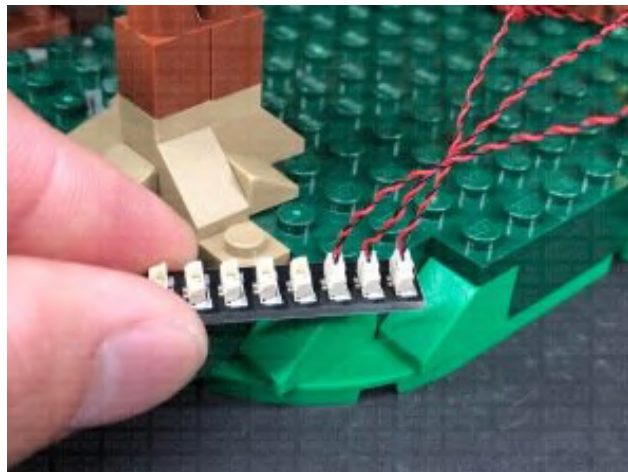


Lay the cable toward the right as shown below, before reconnecting the dark green 2x3 plate. Bring the cable toward the back of the tree ensuring you tuck it in underneath the tree trunk. Disconnect and reconnect the following mushroom over the cable to secure it down.

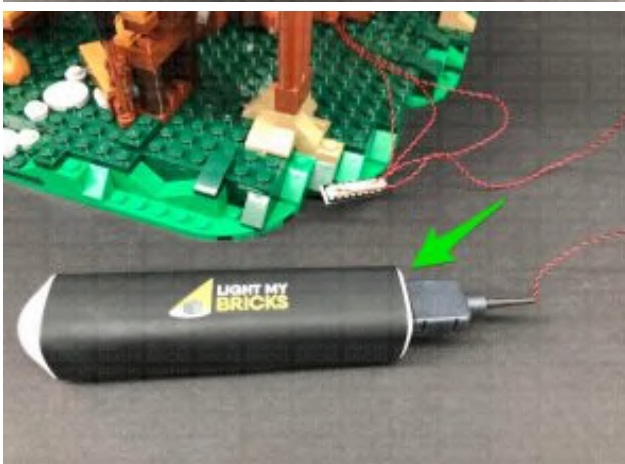
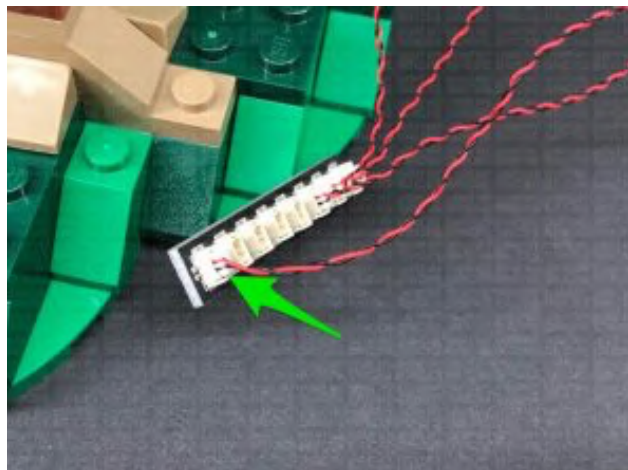
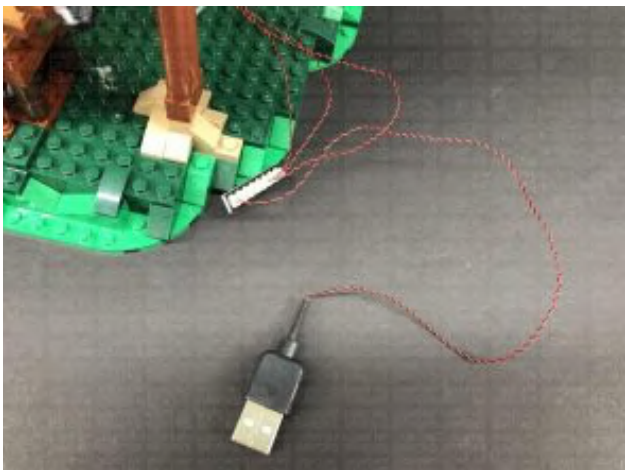


6.) Turn the set around to the back, then bring all the cables together and connect them all to the **8-Port Expansion Board**.



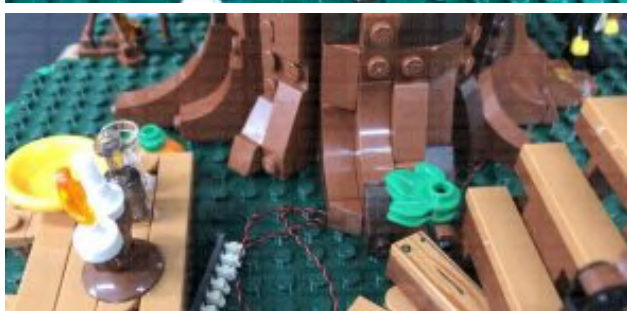
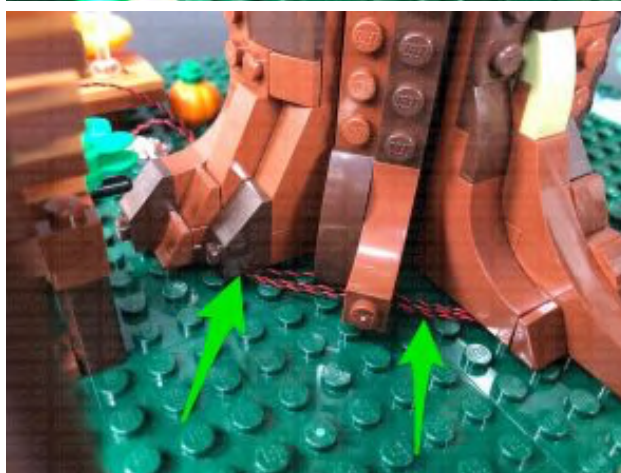
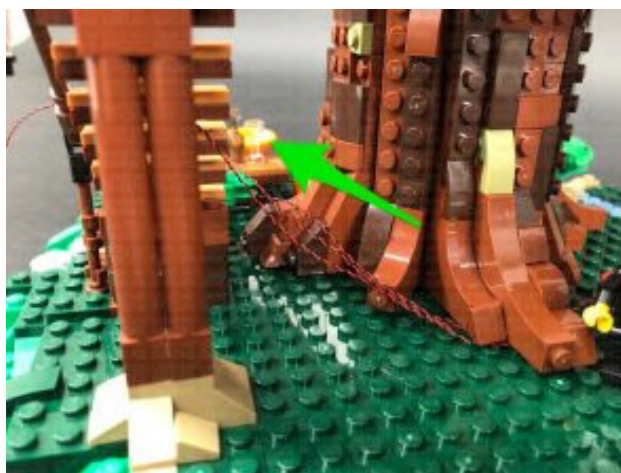
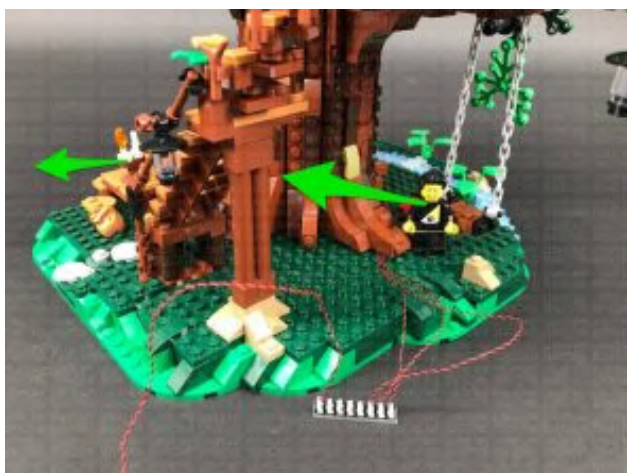


Take your **USB Power Cable** and connect it to the end port on the expansion board. Connect the USB Connector to a **USB Power Bank** or **wall adaptor** (sold separately) and turn it ON to test the blue and white lights are working OK.



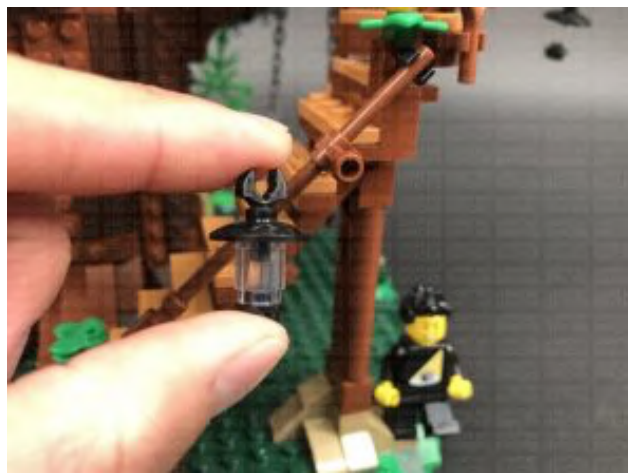
Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide**.

Bring the components and cables around toward the front side of the tree, then tuck all the cables underneath the tree trunk as shown below:



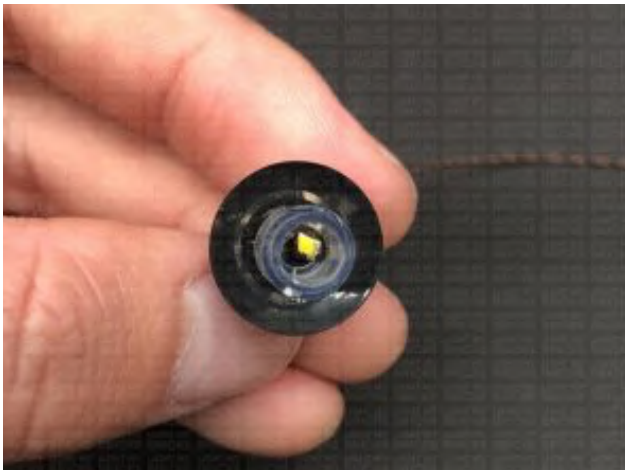
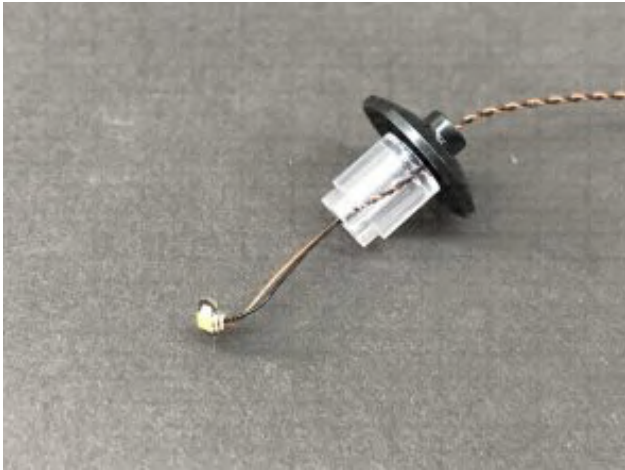
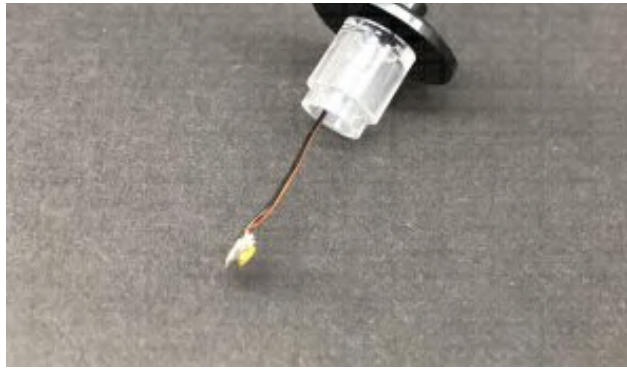
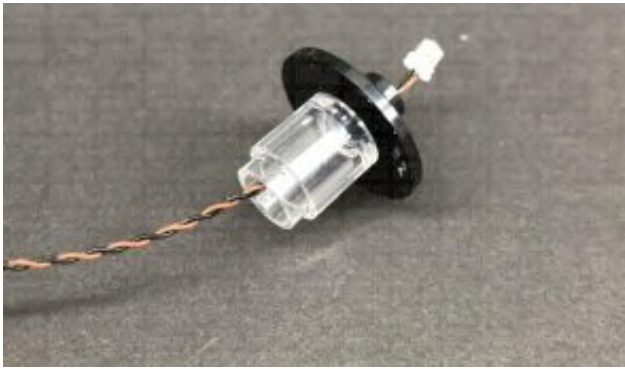


7.) We will now install a light to the following lamp on the outside of the stair case. First disconnect this lamp at the black clip, then disassemble it as shown below:



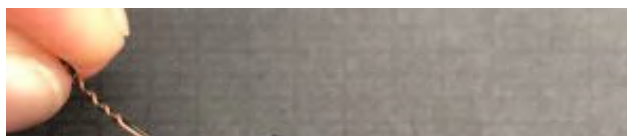
Take a **White 30cm Bit Light** and thread the connector side through the bottom of the trans clear round brick. Thread the cable through, then carefully bend the Bit Light onto a 90 degree angle so that it is facing directly down.

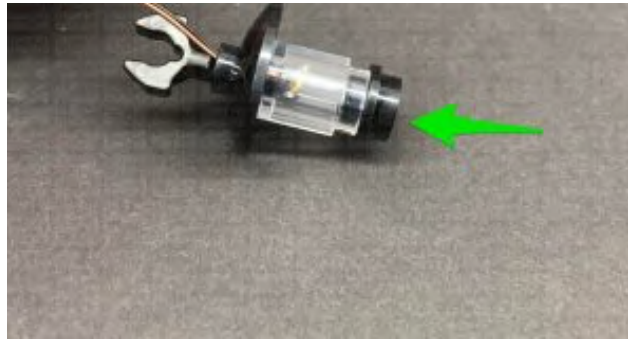




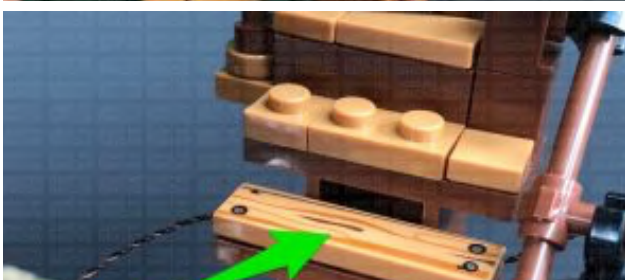
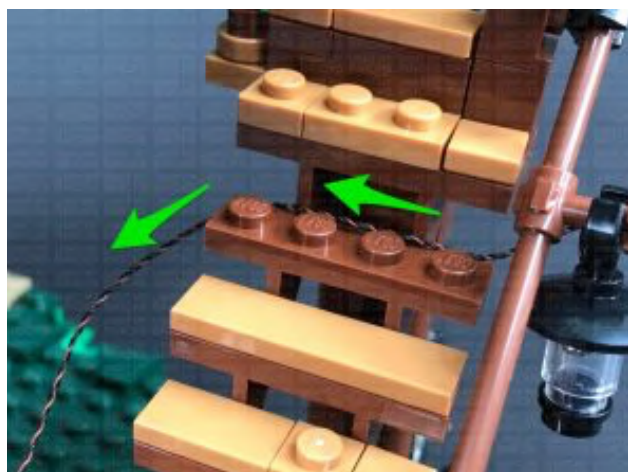
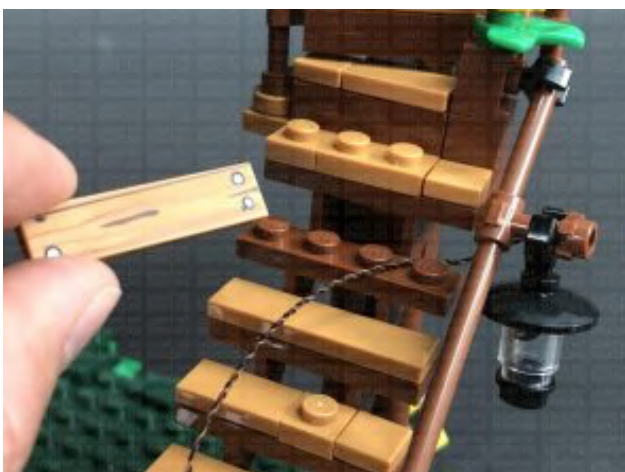
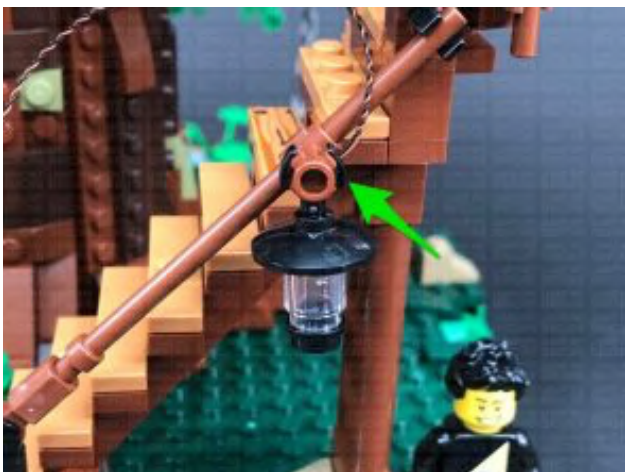
Bring the Bit Light all the way inside the trans clear round brick, then reconnect the black clip through the top as well as the black round plate at the bottom.

**Important Note – Do NOT forcefully push the black clip all the way through as doing this may break the cable.**



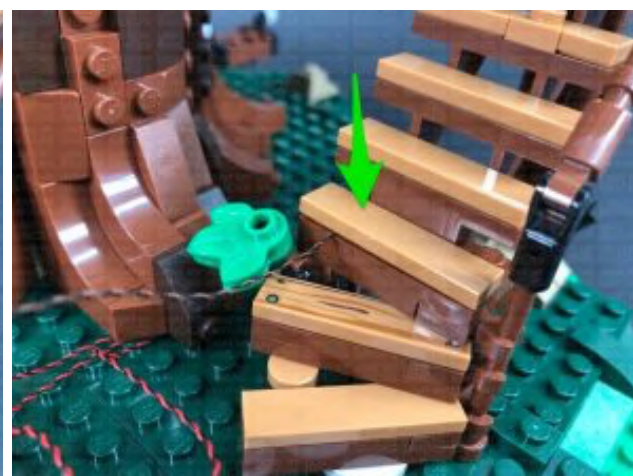


8.) With the cable on the back side of the lamp, reconnect the lamp to the stair case, then bring the cable through to the right side and secure it behind the following tile:

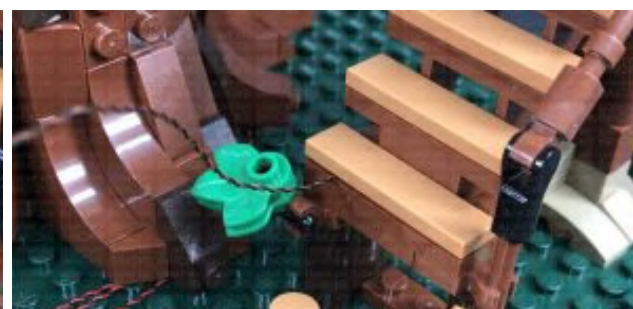
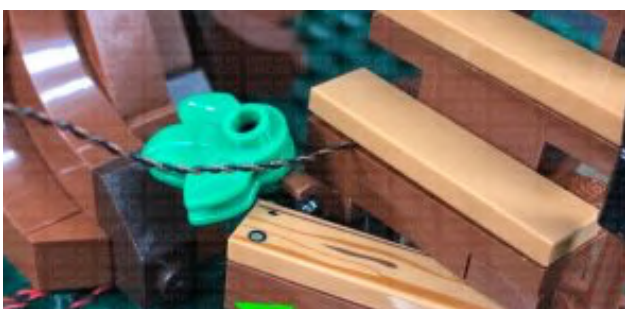




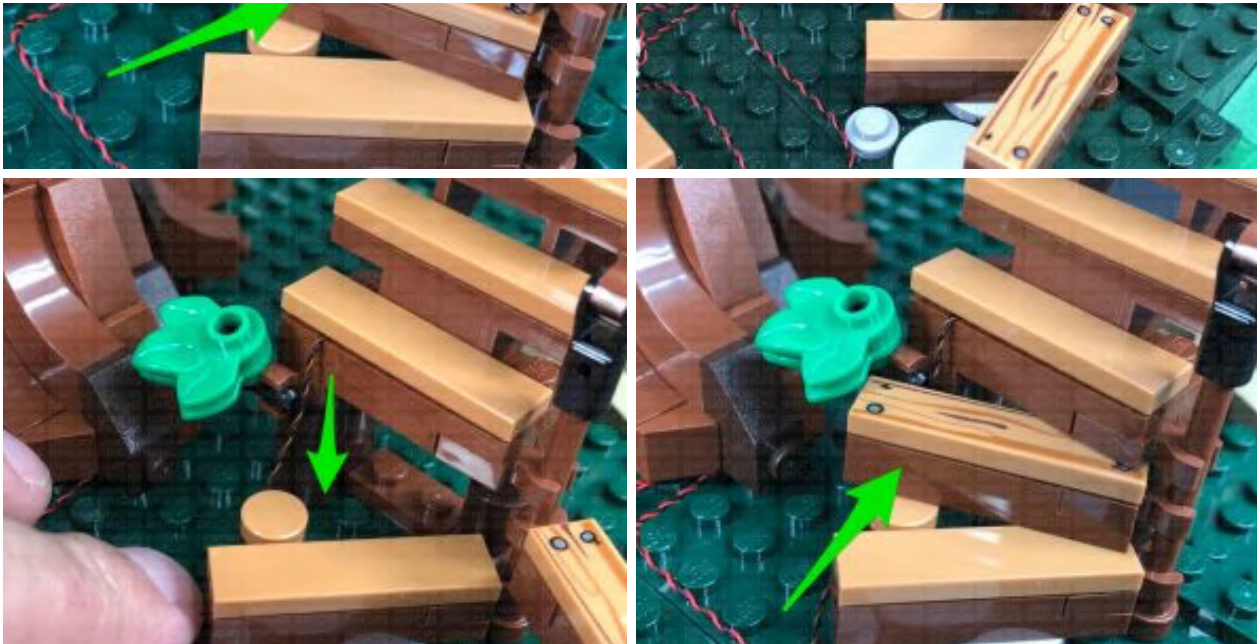
Disconnect the following tile, then bring the cable out from behind and lay it in between studs before reconnecting the tile over the top.



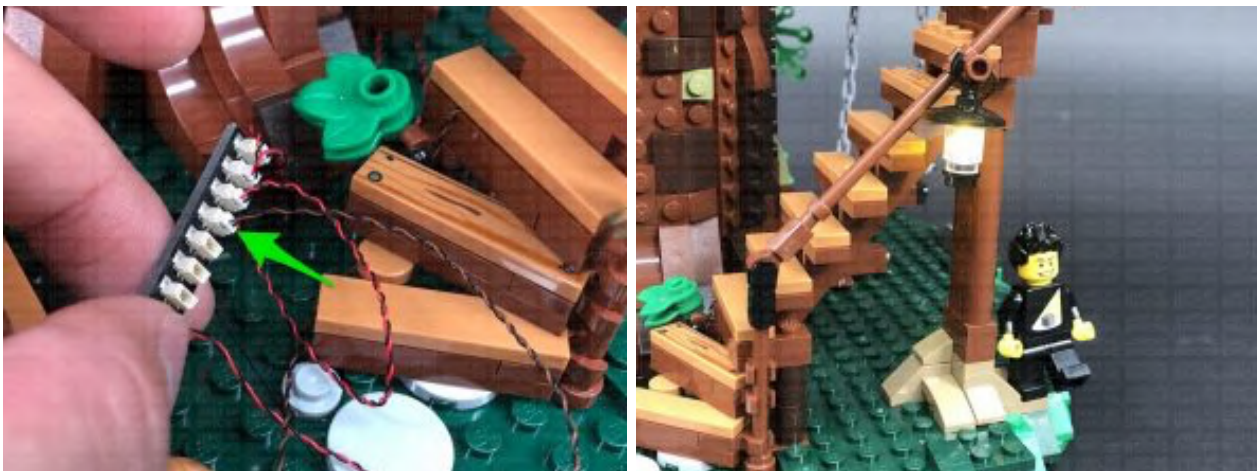
Pull out the following step section, then push the cable down behind it before pushing back in the step.



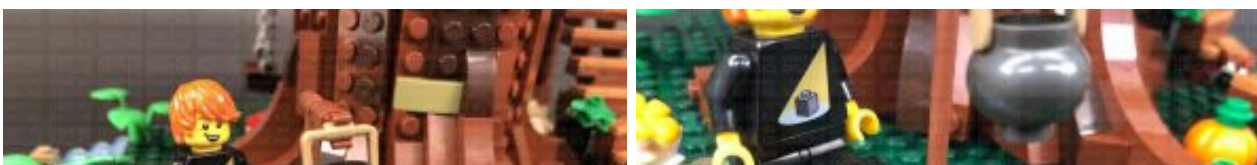




Connect the Bit Light cable from the lamp to the next available port on the 8-port expansion board, then turn the USB Power Bank ON to test the lamp is working OK.

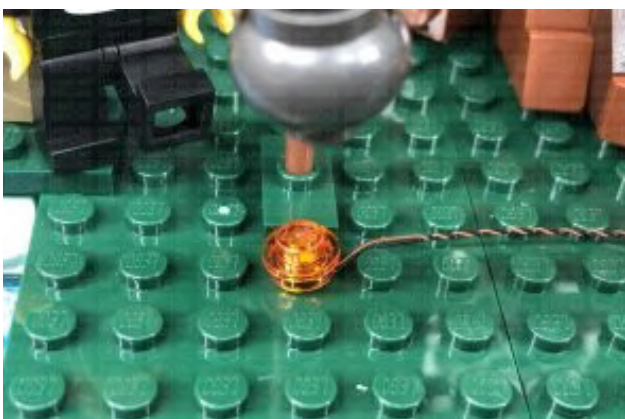
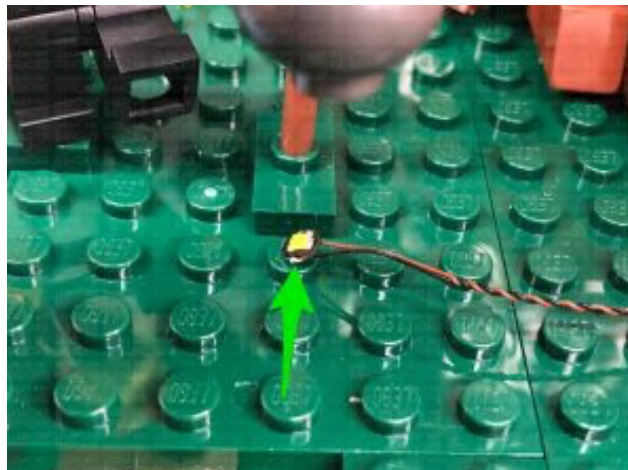


**9.)** We will now light up the camp fire. First disconnect the three stick sections, as well as the flame section connected to the clip.





Take a **White 15cm Bit Light** and with the cable facing the right, place it over the following stud. Secure the Bit Light in place by connecting a provided **LEGO Trans Orange Round Plate 1x1** over the top.



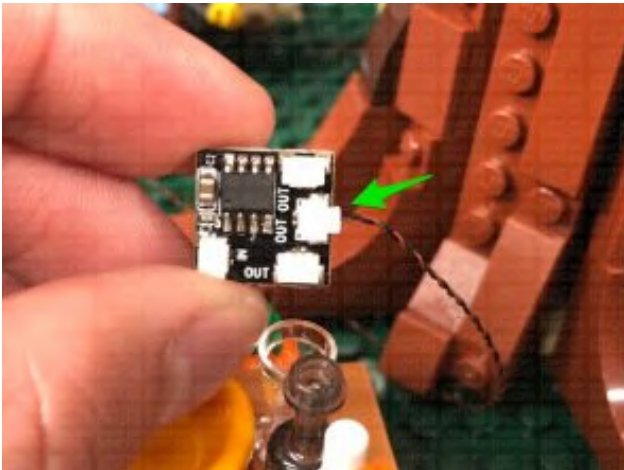


Reconnect all the sections we removed earlier. Because of the trans orange round plate, we will need to reposition the brown clips so they are a little more in line with each other, rather than completely diagonal.

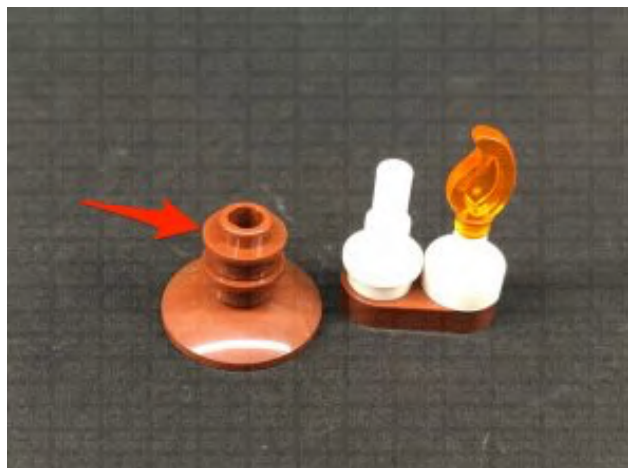


Bring the cable over toward the right side of the tree, laying it underneath the tree trunk. Take the **Flicker Effects Board** and connect the Bit Light to one of the **OUT** ports.



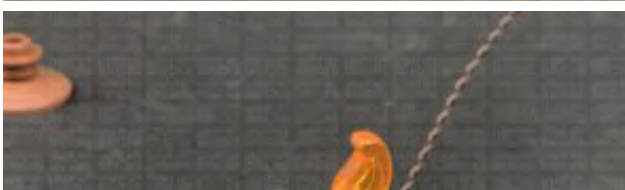
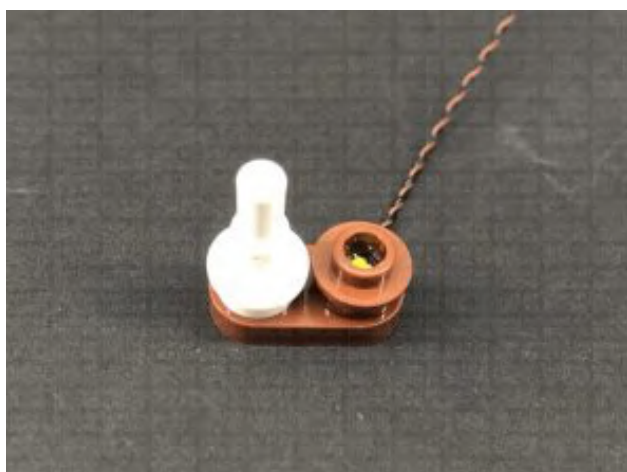


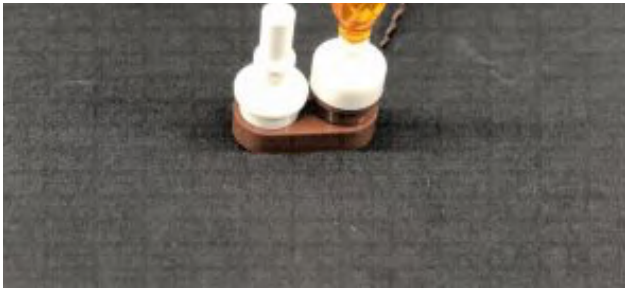
10.) We will now install a light to the candle on the bench. Disconnect this section then disassemble it as shown below ensuring you remember to disconnect one of the brown round plates with open stud..





Take another **White 15cm Bit Light** and thread the cable through the top of the following section. Flatten the Bit Light against the top of the stud, then take the brown round plate we disconnect earlier and connect it over the light to secure it in place. Reconnect the candle and flame over the top.



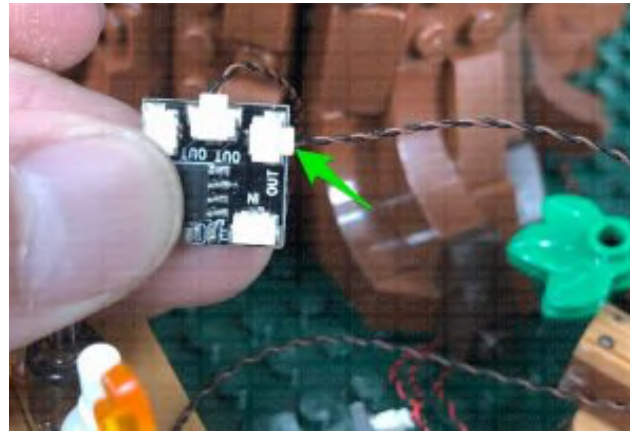


Thread the Bit Light cable all the way through the top of the bottom section before reconnecting everything back together. Reconnect the candle section to the table.

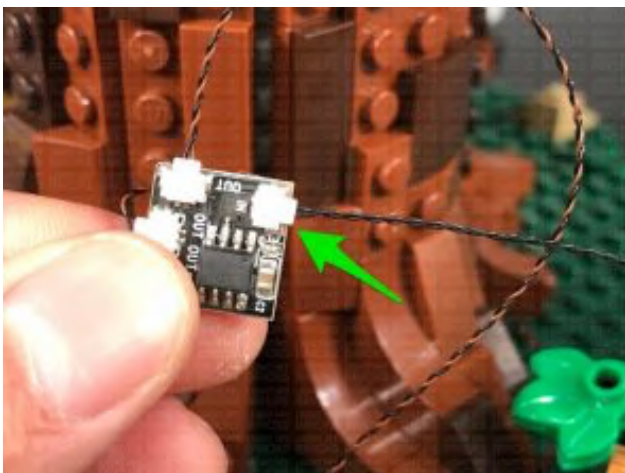


11.) Connect the Bit Light cable to another **OUT** port on the Flicker Effects Board.





Take a **5cm Connecting Cable** and connect it to the **IN** port on the Flicker Effects Board. Connect the other end of the cable to an available port on the 8-Port Expansion Board nearby. Turn the USB Power Bank ON to test both fire lights are working and flickering OK.



*Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to*

verify where the fault lies (with the light, expansion board, or effects board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide**.

**12.)** Disconnect the USB Power Cable from the 8-Port Expansion Board, then neaten up cabling by grouping all the cables and twisting and folding them together into a neat bunch. Ensure you leave enough cable length for the two flickering bit light cables from the light to the expansion boards.

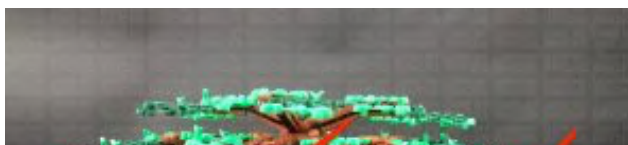


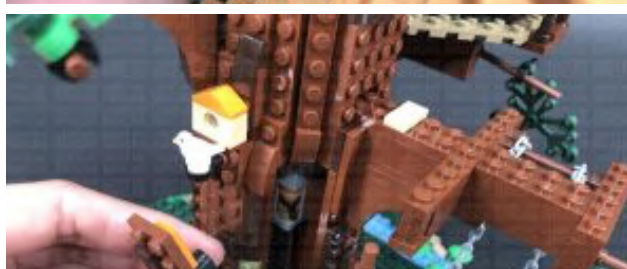
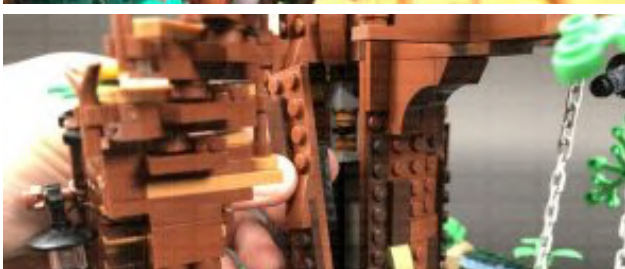
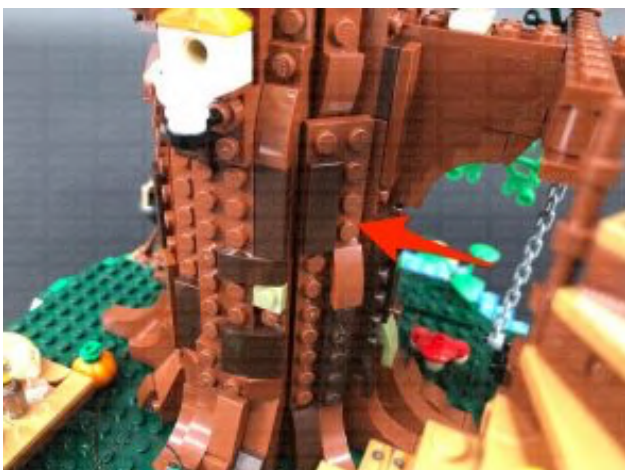
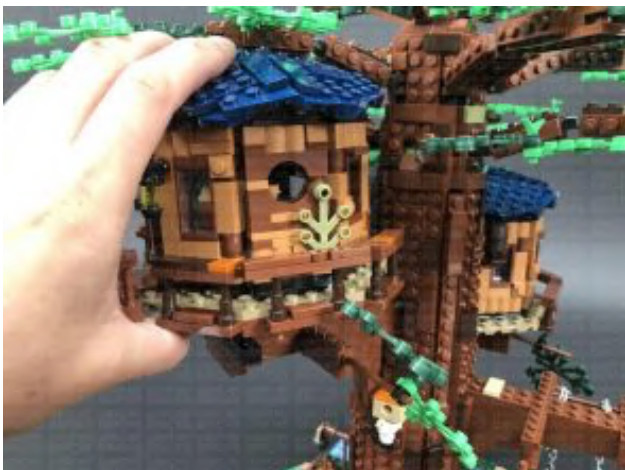
Secure the Bit Light cable from the candle underneath the table by first disconnecting the back tile, laying the cable down in between studs, before reconnecting the tile.





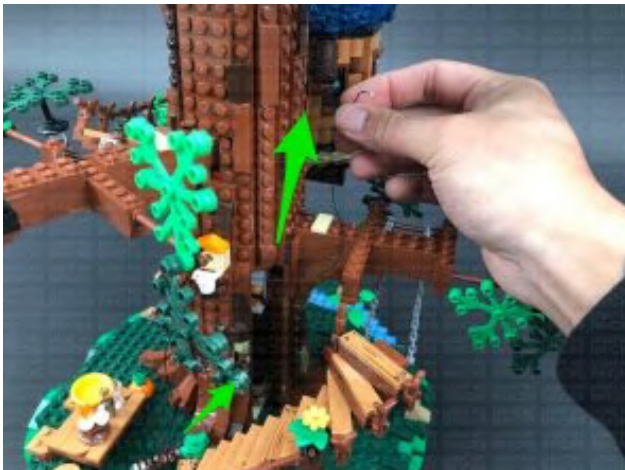
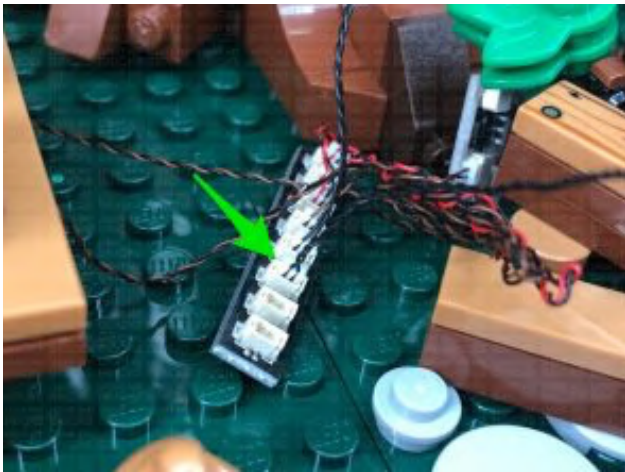
**13.)** Carefully disconnect the tree cabin in the front right as well as the tree cabin on the back of the set, then disconnect the following tree trunk panel behind the stair case as shown below.





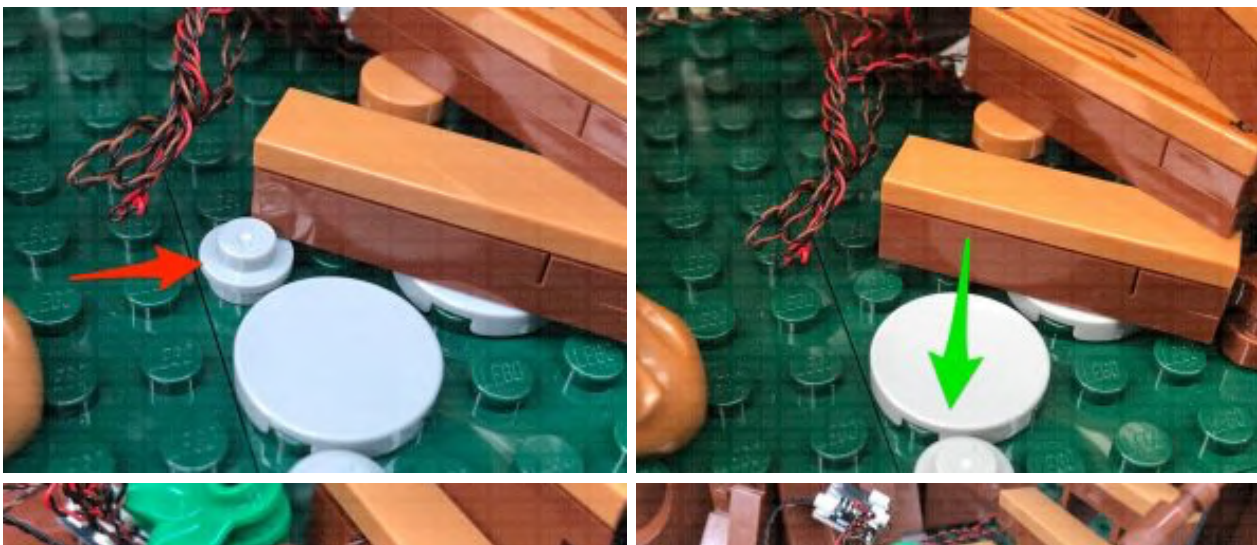


Take a **30cm Connecting Cable** and connect it to a spare port on the 8-Port Expansion Board. Bring the other end of the cable around the right side of the tree, then up the trunk where we disconnected the panel from. Bring the cable up over the branch and connect it to the far left port on a **12-Port Expansion Board**. Place the expansion board behind the back tree cabin.





14.) Disconnect the following grey round plate, then pull out the bottom two steps. Bring the components inside this area behind the small tree stump.



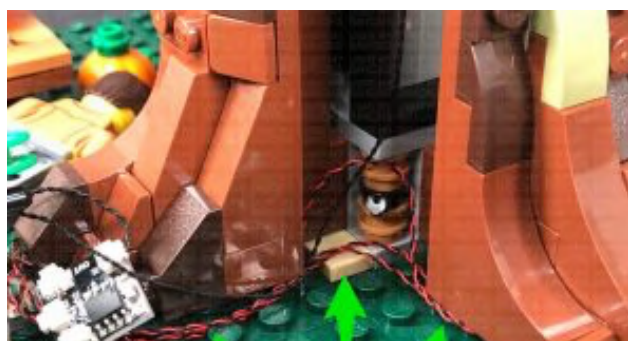
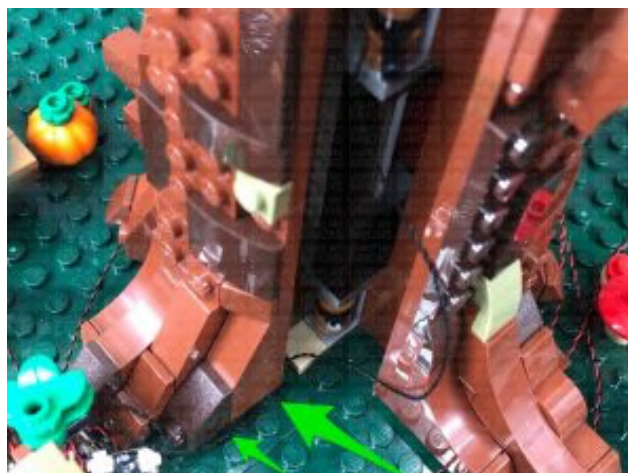


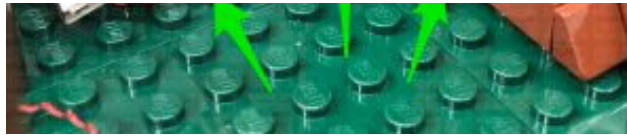
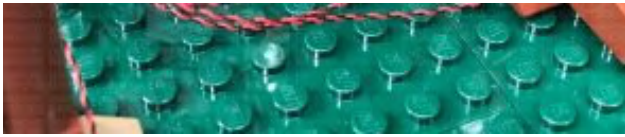
Bring the other end of the USB Power Cable we disconnected earlier and thread it through the back of the stair case to reconnect back to the 8-Port Expansion Board. Push the two bottom steps back in to cover up all the components, then reconnect the grey round plate. You can also position a minifigure behind the table to cover up the candle light cable.





Hide the 30cm Connecting Cable underneath the tree trunk, then pull the three cables from the water section to the left (to eliminate cable slack around the tree trunks). Push all the cables into the middle space as well as underneath the tree trunk on the left before reconnecting the tree trunk panel we removed earlier. Ensure you reconnect the panel over all the cables.





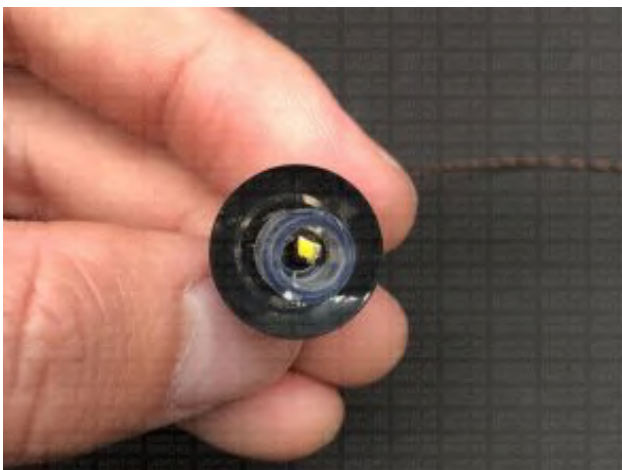
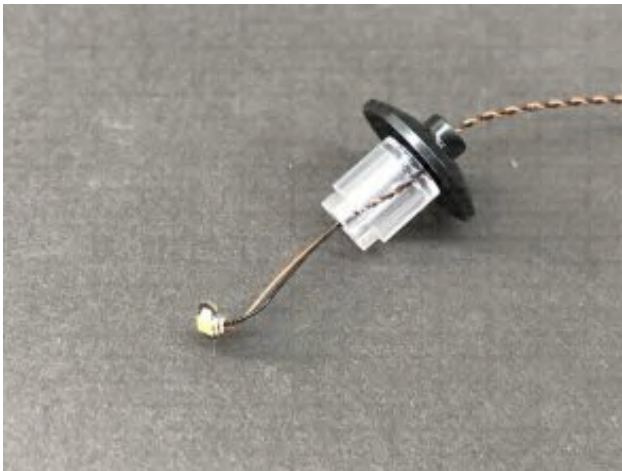
15.) Turn the set around to the back and disconnect the following branch section (on the left) with lamp connected to it. Disconnect the lamp from the branch, then disassemble it as shown below:



Take a **White 30cm Bit Light** and thread the connector side through the bottom of the trans clear round brick. Thread the cable through, then carefully bend the Bit Light onto a 90 degree angle so that it is facing directly down.

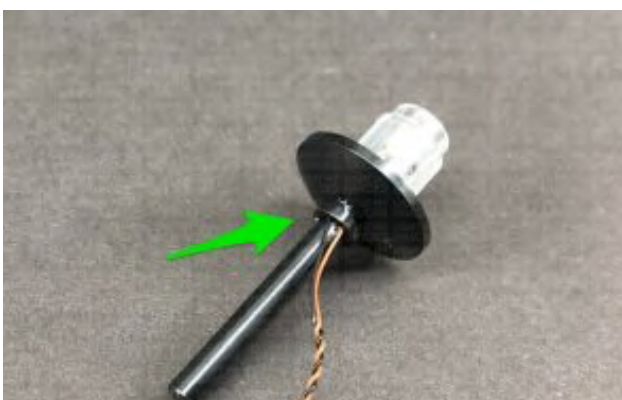


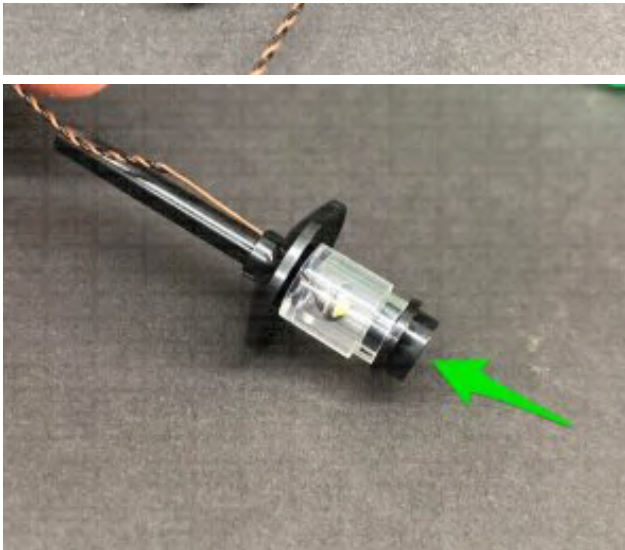




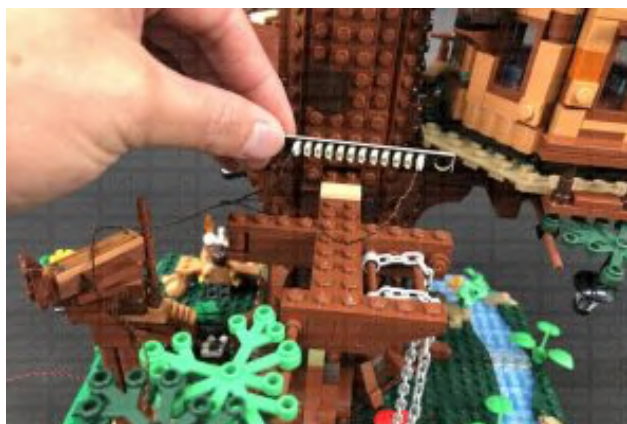
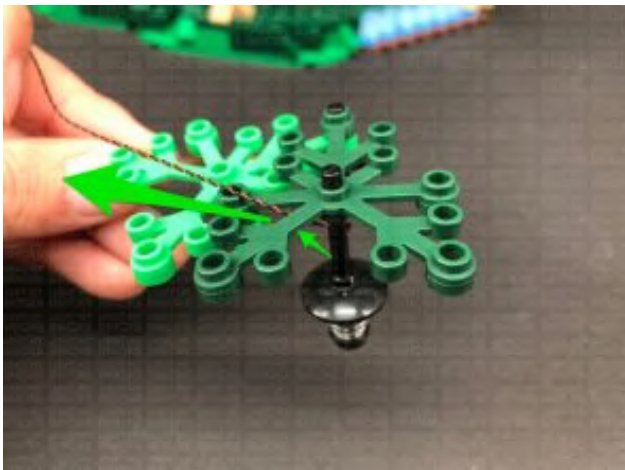
Reconnect the black bar through the top and reconnect the black round plate at the bottom.

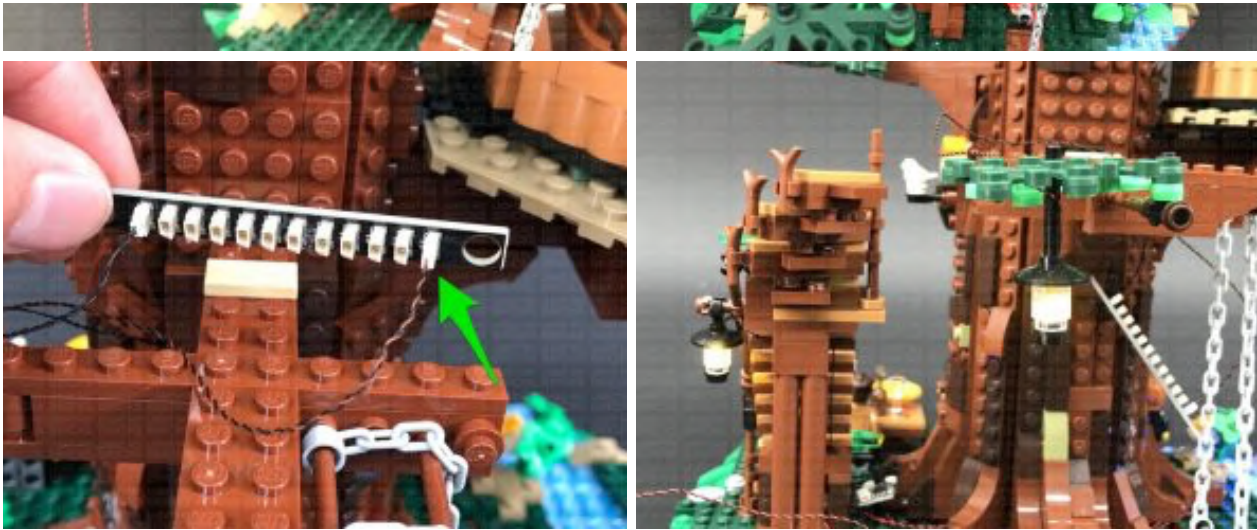
**Important Note – Do NOT forcefully push the black bar all the way through as doing this may break the cable.**





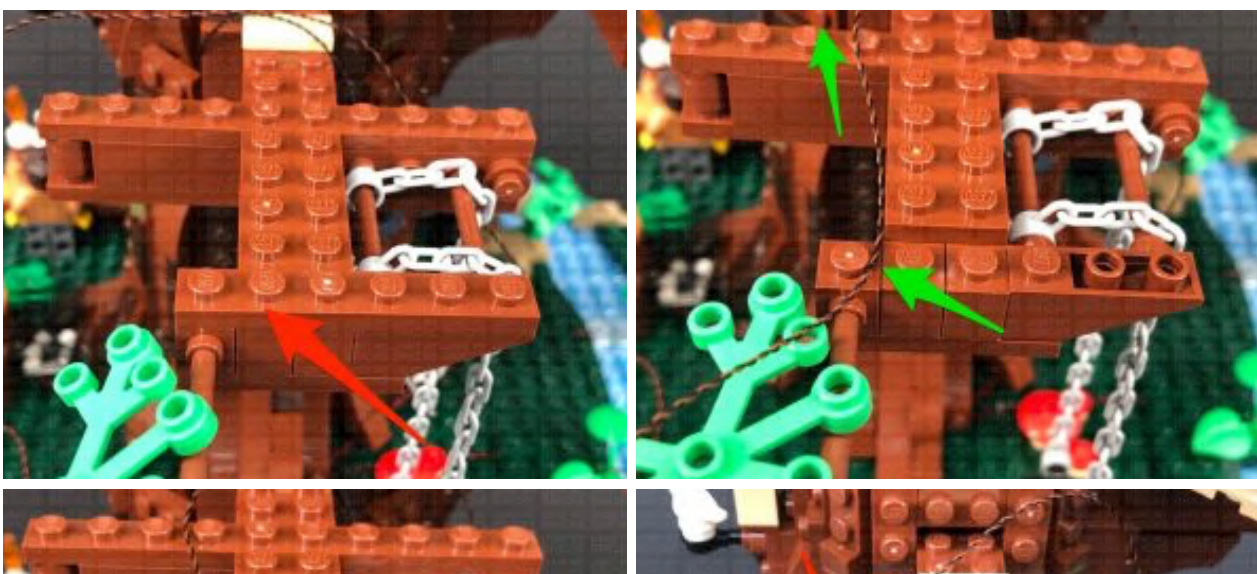
16.) Reconnect the black bar under the tree branch, then bring the cable behind and thread it through the leaf pieces as shown below. Reconnect the tree branch to the tree, then bring the bit light cable over the branch and connect it to the 12-Port Expansion Board's far right port. Turn the power ON to test the lamps are working OK.

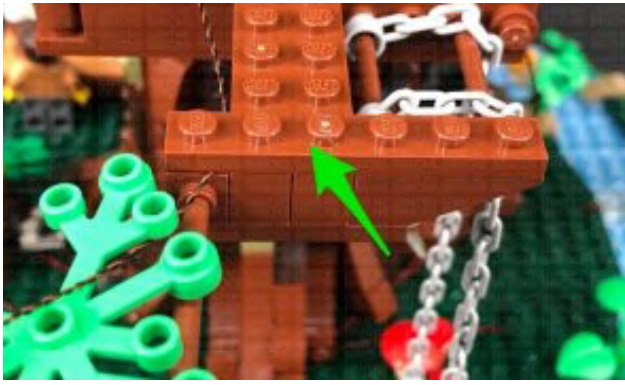




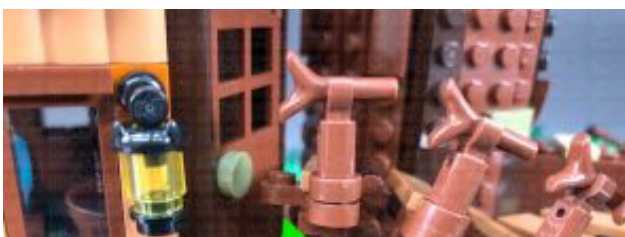
*Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light, expansion board, or effects board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide**.*

Disconnect the brown 1×6 plate from the top of the branch, then lay the bit light cable in between the first two studs before reconnecting the plate over the top. Slightly disconnect the left side of the 1×10 plate behind it and slip the cable underneath in between studs before reconnecting the left side of the plate.



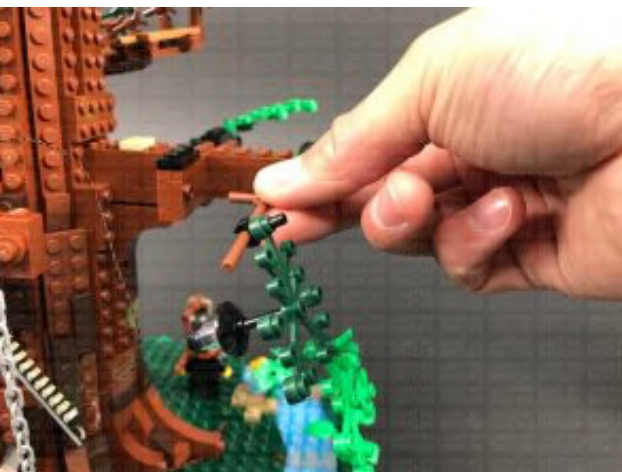
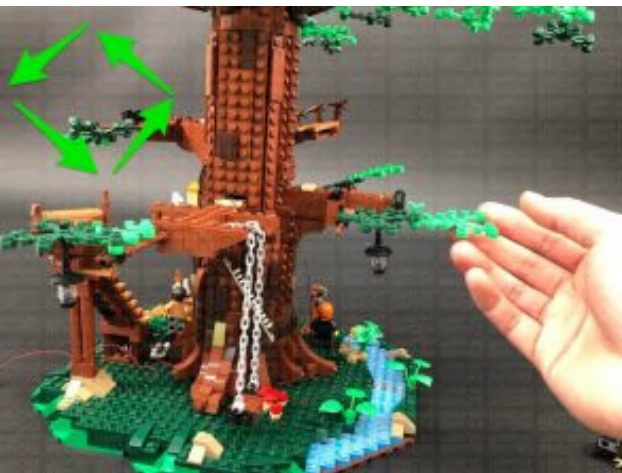


17.) Turn the set around to the front and disconnect the left side of the bridge from the front left cabin by lifting it up off the black clip, then disconnect the left cabin.

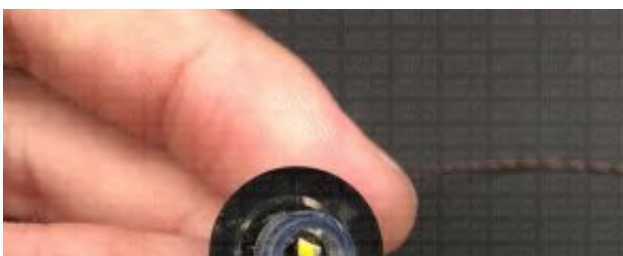
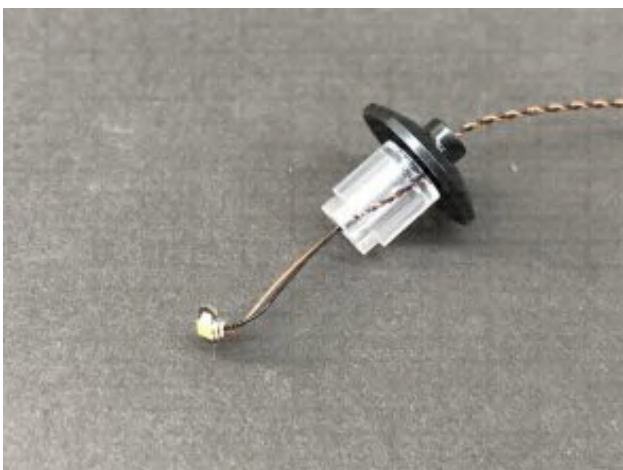
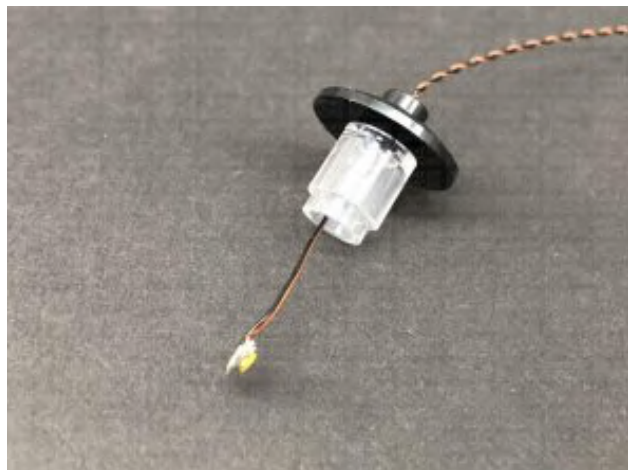




Turn the set back around to the back, and disconnect the tree branch on the right side with lamp connected to it.

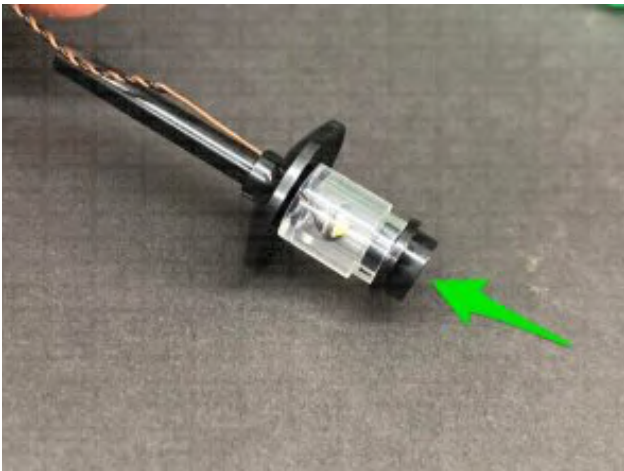
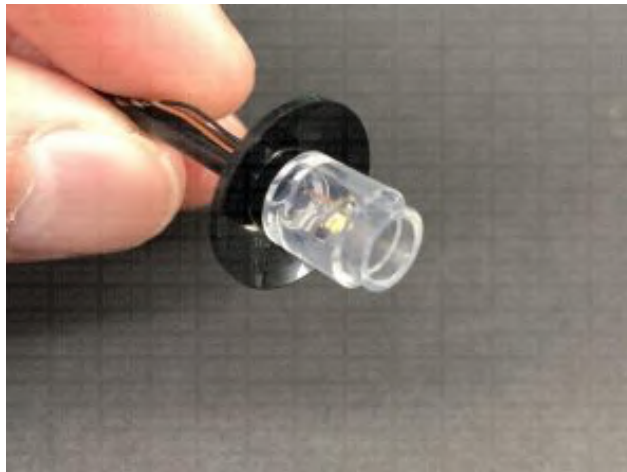
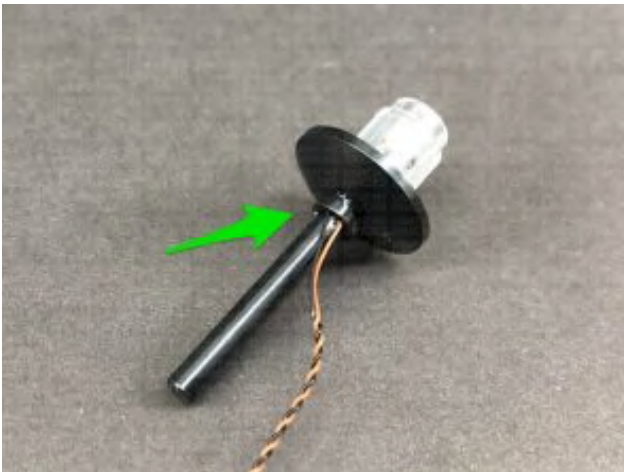


18.) Disconnect the lamp from the leaf and branch and disassemble it as per below. Follow the same method used in **step 15** to install another **White 30cm Bit Light** to the lamp

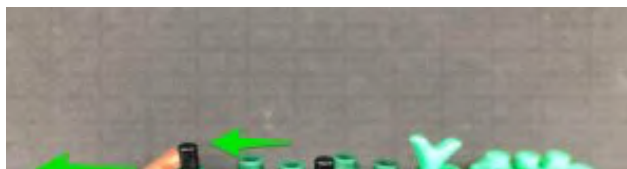
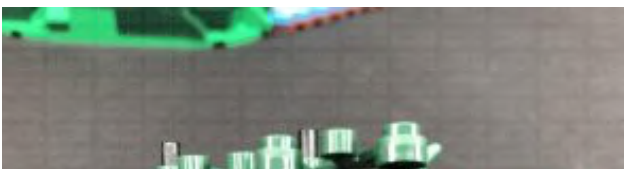


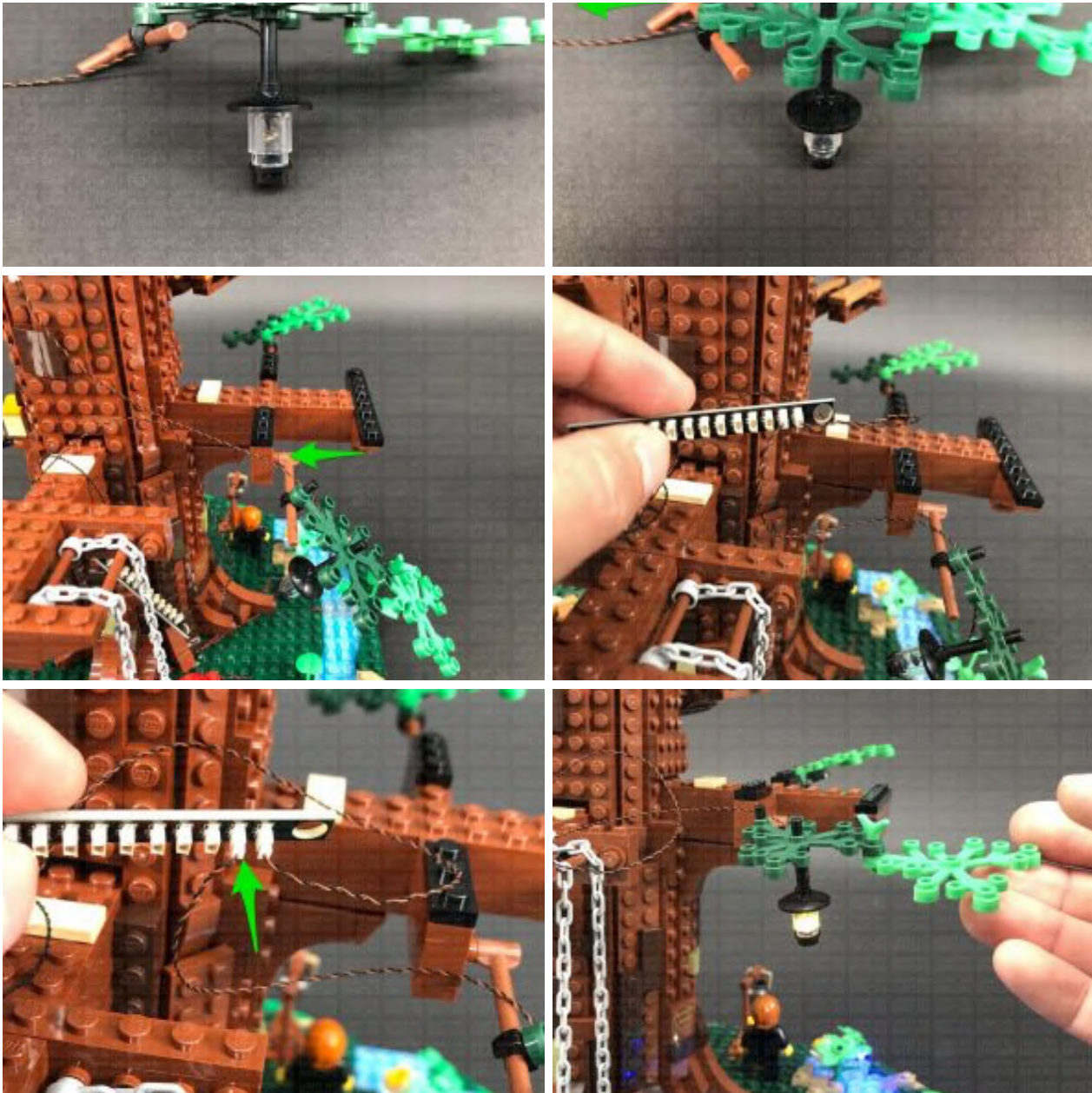


*Important Note – Do NOT forcefully push the black bar all the way through as doing this may break the cable.*



Reconnect the lamp underneath the leaf, then bring the cable behind and over brown bar. Reconnect this section back to the tree branch, then connect the Bit Light cable to the next available port on the 12-Port Expansion Board on the left. Turn the Power ON to test the lamps are working OK.



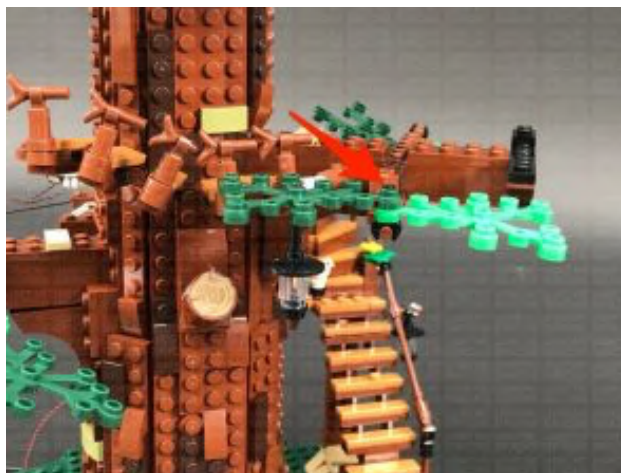


*Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light, expansion board, or effects board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide**.*

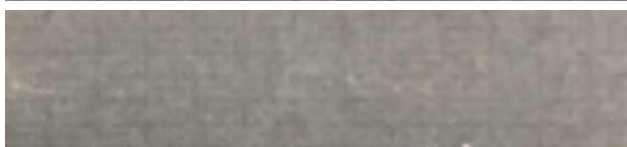
**19.)** Turn the set around the front and disconnect the leaf and branch section

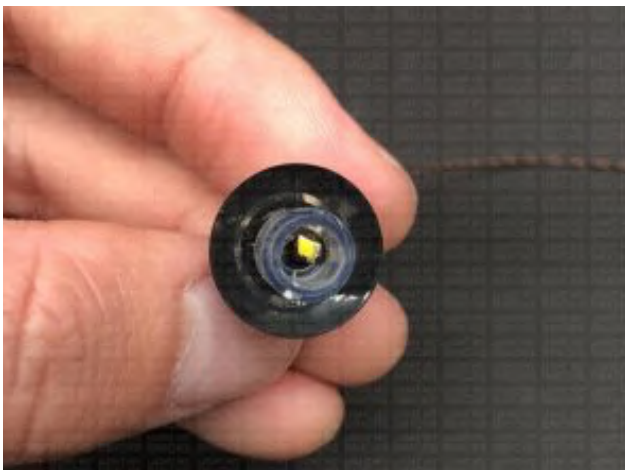
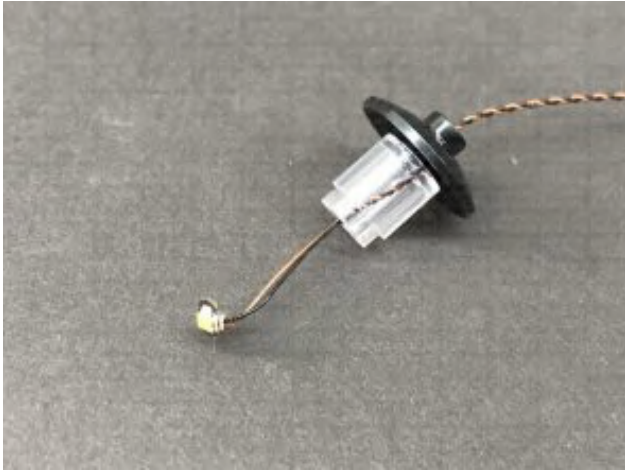
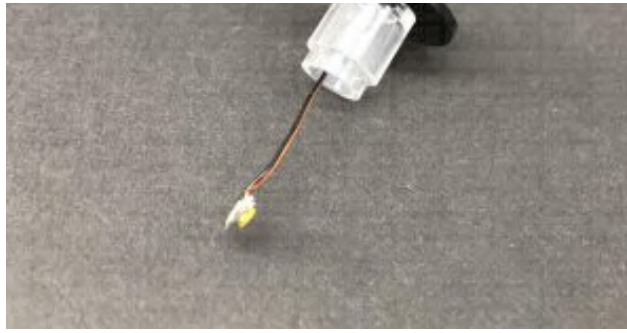


with lamp connected to it.

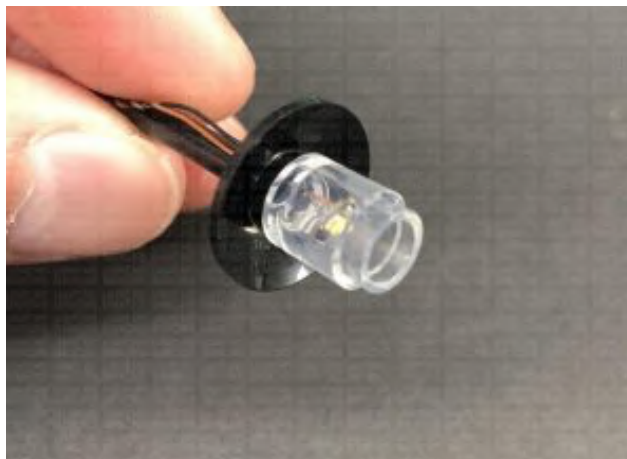


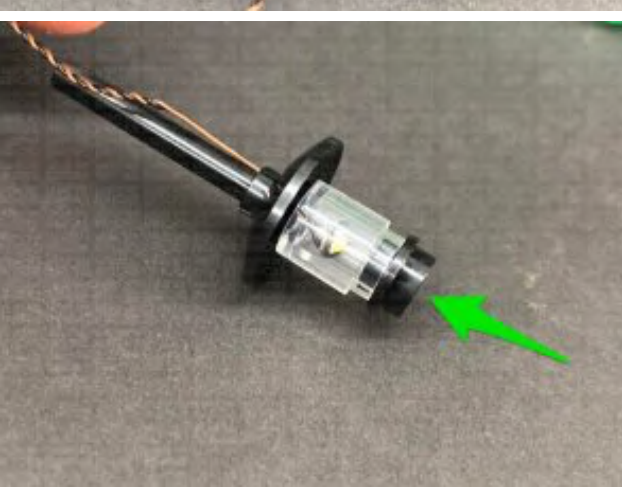
Disconnect the lamp from the leaf and branch and disassemble it as per below. Follow the same method used in the previous step to install another bit light to the lamp except this time, install using a **White 15cm Bit Light**.



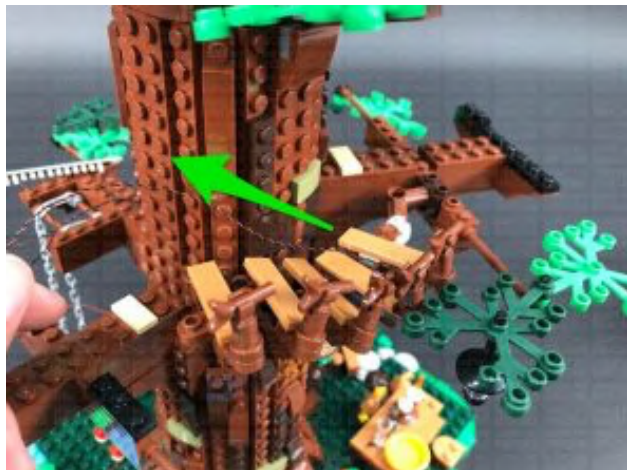
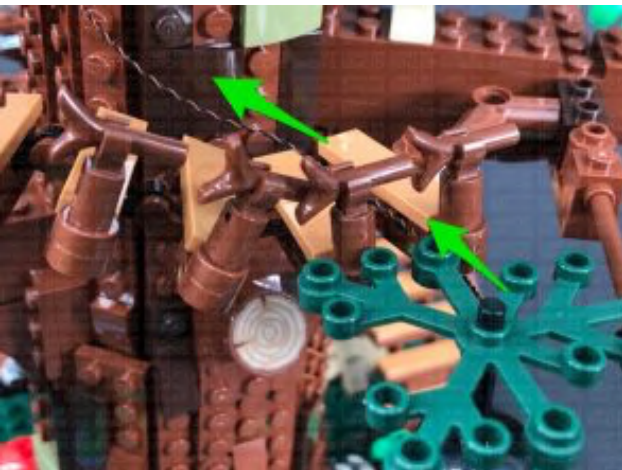


*Important Note – Do NOT forcefully push the black bar all the way through as doing this may break the cable.*

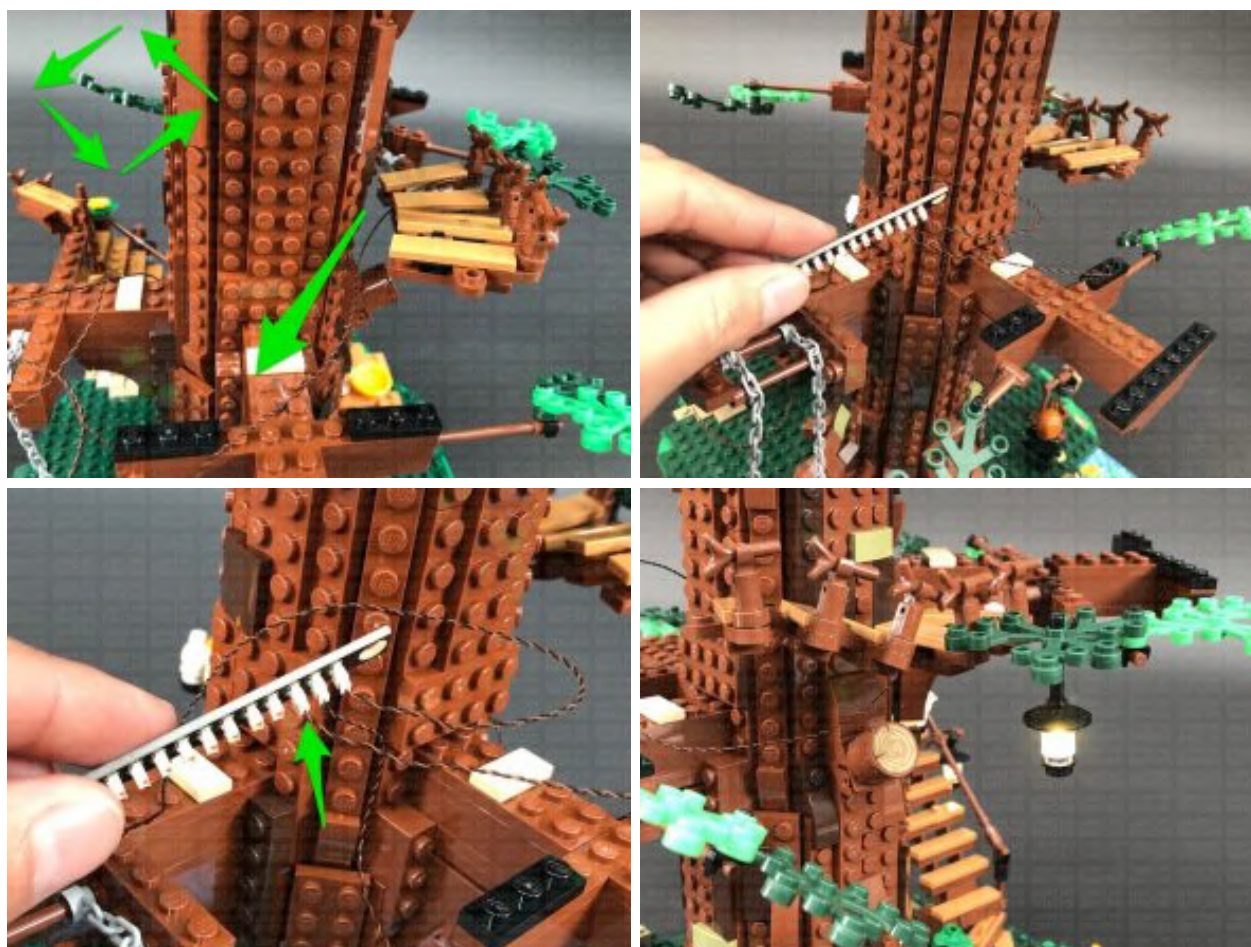




20.) Reconnect the lamp to the leaf, then reconnect this section back to the tree branch. Bring the cable behind and thread it through the bridge as shown below:



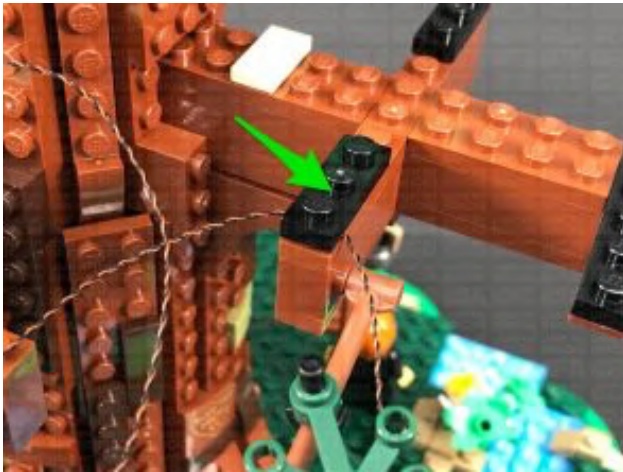
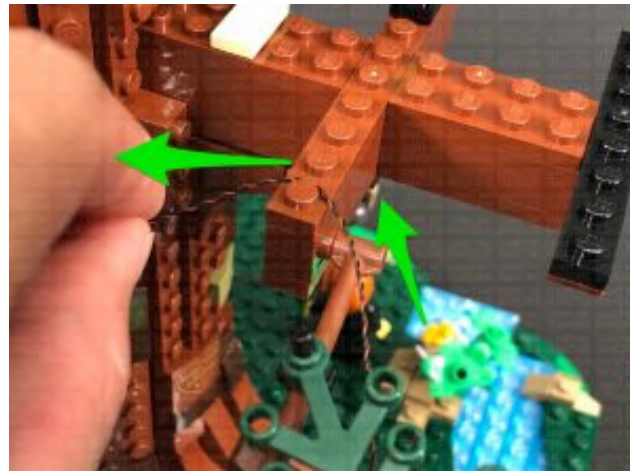
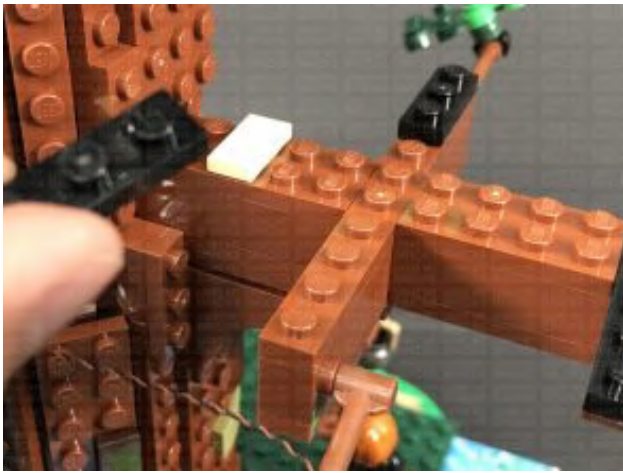
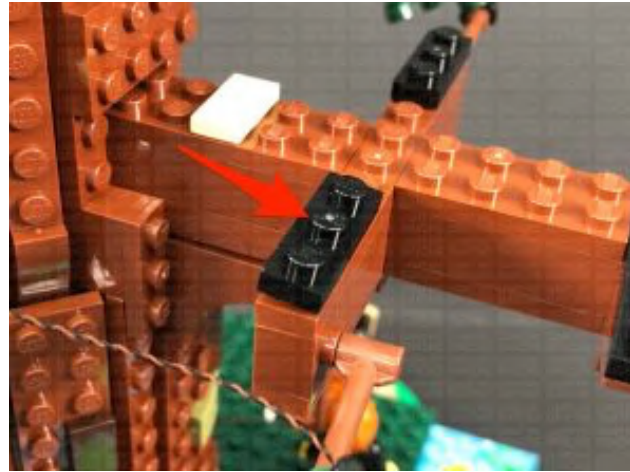
Turn the set around to the left side, then pull the cable out and connect the Bit Light cable to the next available port on the 12-Port Expansion Board. Turn the Power ON to test the lamps are working OK.



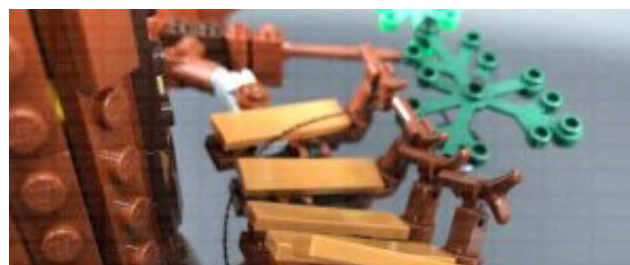
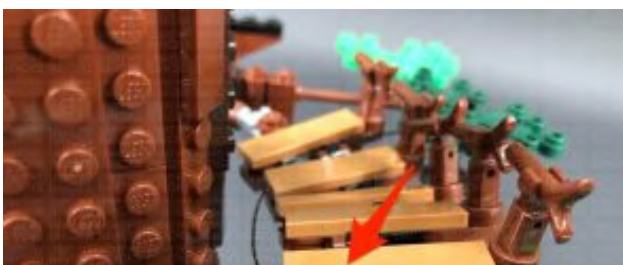
*Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light, expansion board, or effects board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide**.*

**21.)** Secure the cable from the Bit Light underneath the black 1×3 plate by first disconnecting the plate, laying the cable in between studs, then reconnecting

the plate over the top.

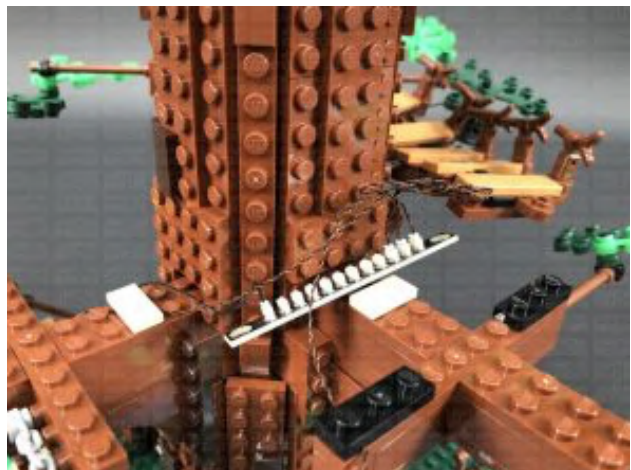
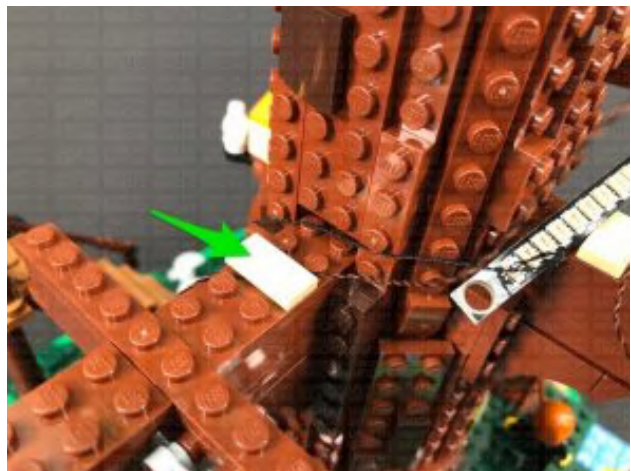
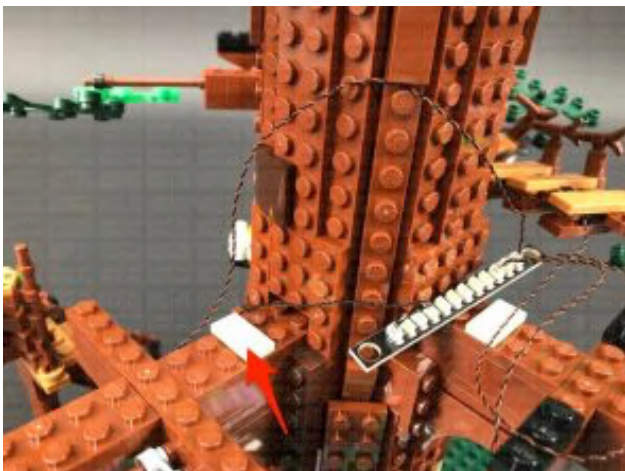


Secure the cable underneath the last tile on the bridge.

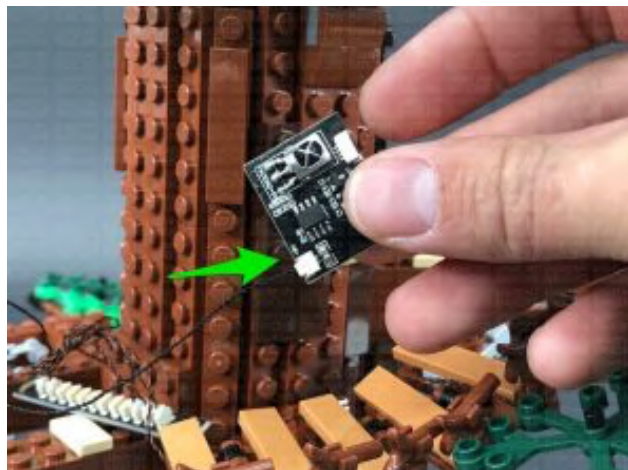
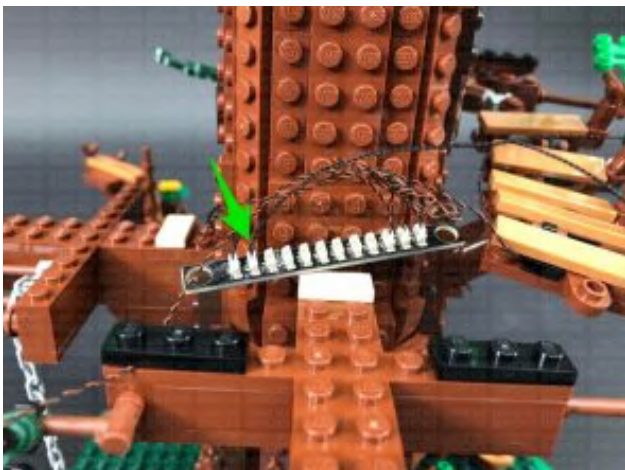




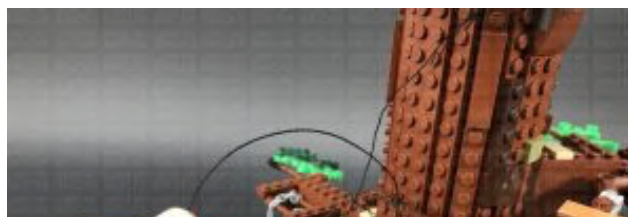
Secure the Bit Light from the lamp underneath the following 1x2 tile, then group the two bit light cables from the other two lamps (with 30cm cables) and twist and fold them together into a neat bunch.

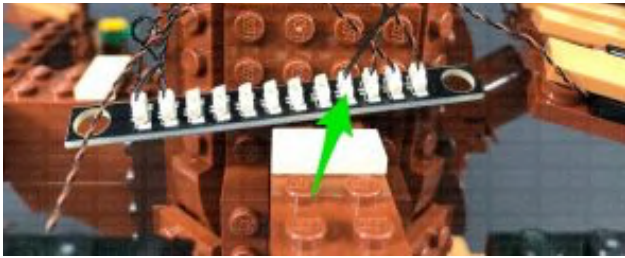


22.) Take a **15cm Connecting Cable** and connect it to a spare port on the 12-Port Expansion Board. Connect the other end of the cable to the input port (+5V) of the **RGB Control Board**. Bring the RGB Control Board up and over the following branch (facing the front) and leave it aside for now.



Take another **15cm Connecting Cable** and connect it to another spare port on the 12-Port Expansion Board. Leave the other end of the cable as is for now as we will use it to connect to the left cabin later.





23.) Take the left cabin and disconnect the roof and the following pieces above the left window and front door.



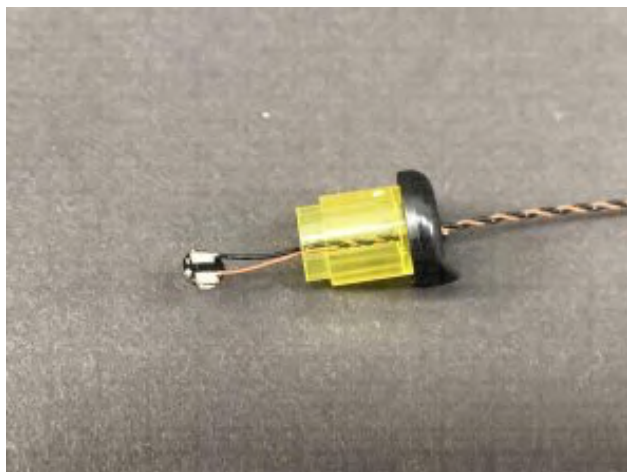
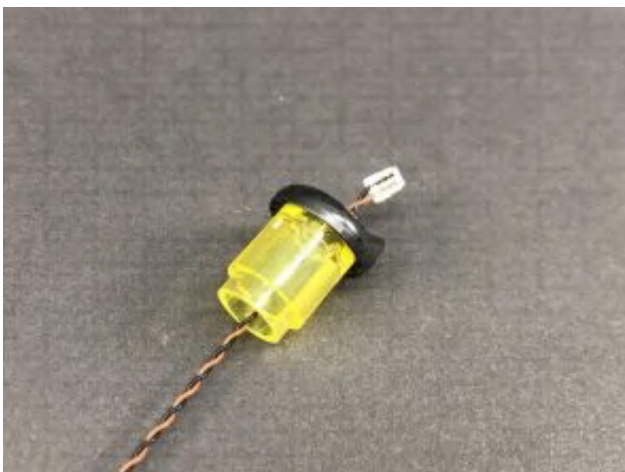
Disconnect the following section with lamp connected to it, then disconnect and disassemble the lamp as per below:

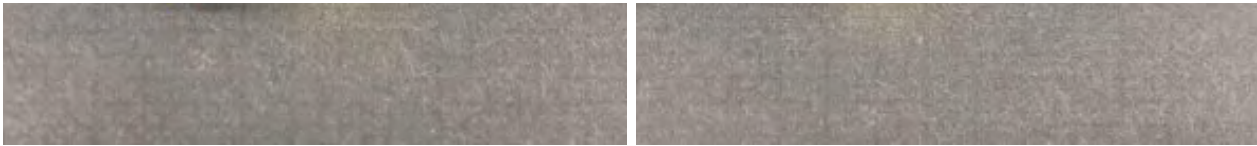






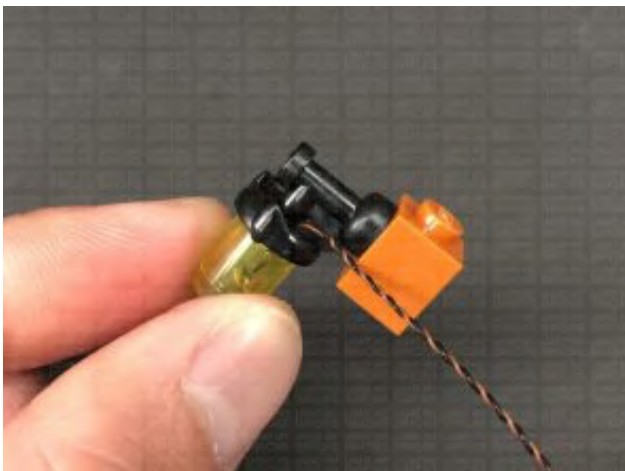
Take a **White 15cm Bit Light** and thread the connector end of the cable through the bottom of the trans yellow round brick. Thread it all the way through, then slightly bend the Bit Light on a 90 degree angle so that it is facing directly down before pushing the light all the way inside.





Carefully reconnect the black tap piece through the top of the trans yellow brick.

**Ensure you DO NOT forcefully push it completely all the way down. Pushing the tap piece all the way down may break the cable.**

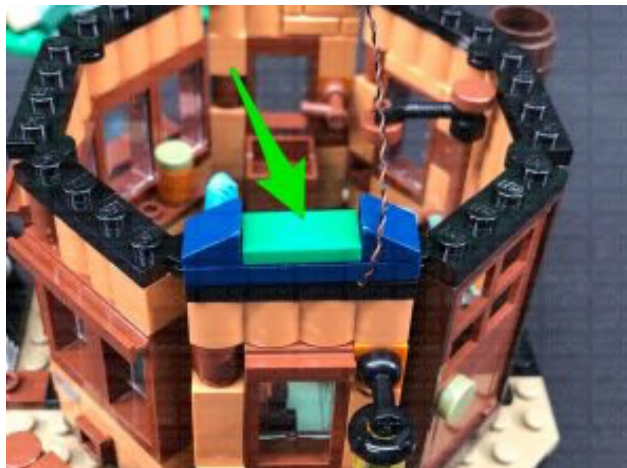


**23.)** Lay the cable over the left side of the stud to the right of the window before reconnecting this section along with the section above.

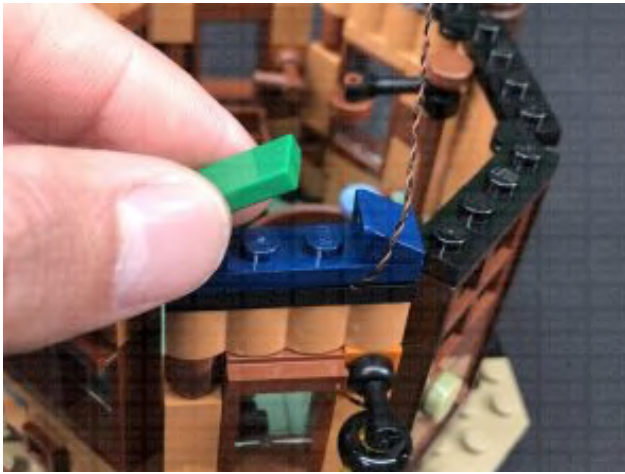




Pull the cable up from the inside of the cabin then disconnect the blue plate and pull the cable over the wall towards the front. Reconnect the blue plate over the top.



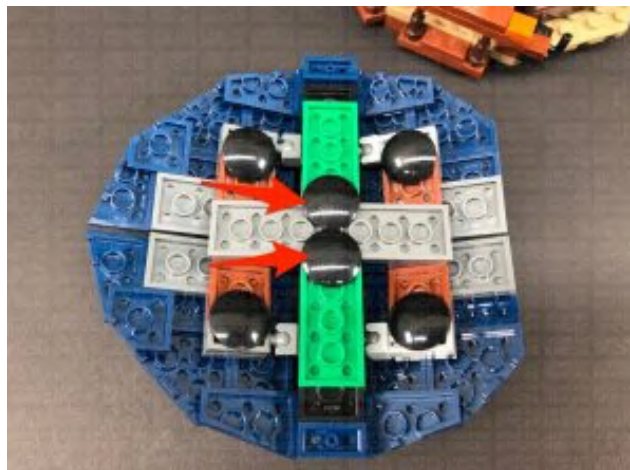
Disconnect the light blue 1x2 tile and pull the cable back inside the cabin, over the dark blue stud underneath, before reconnecting the light blue 1x2 tile over it.

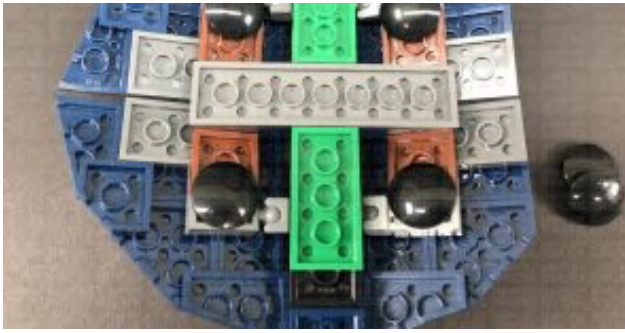


Connect the Bit Light cable to a **Warm White Strip Light**.

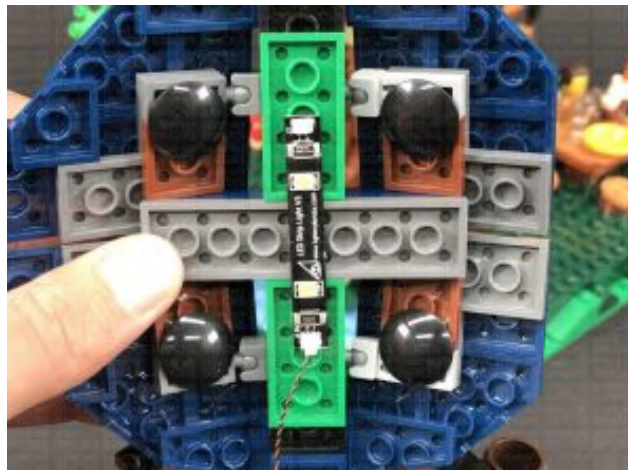
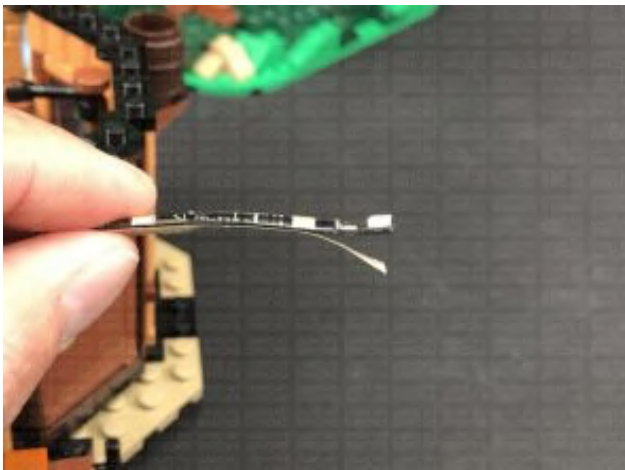


24.) Take the roof and flip it upside down, then disconnect the following 2 black rounded bottom plates.



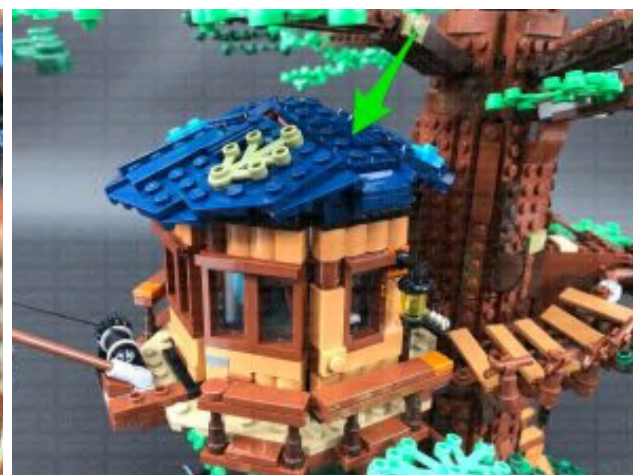
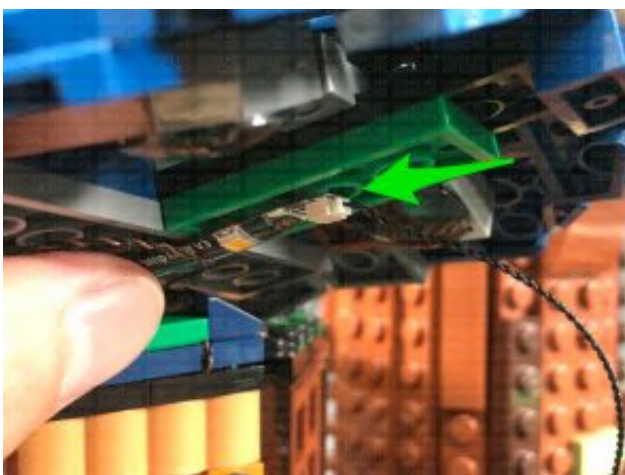


Using its adhesive backing, stick the Strip Light underneath the roof in the following position, ensuring the bit light cable that is connected to it is facing the bottom. Before reconnecting the roof, ensure the bit light cable is pulled up so that it does not dangle down and be obviously seen from outside looking in.





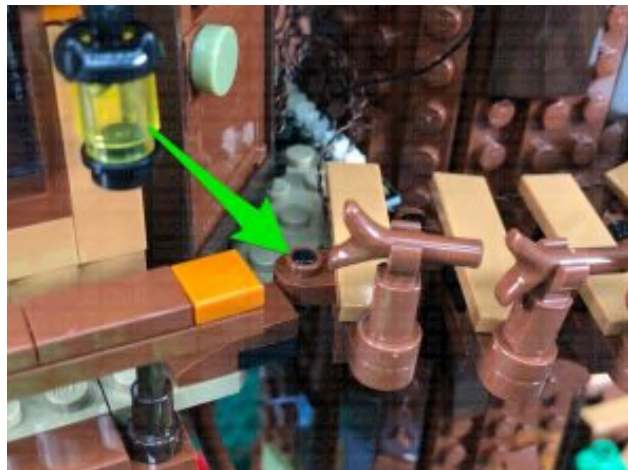
Securely reconnect the cabin to the tree, then from the front side of the set, lift the roof back up again and connect the 15cm Connecting Cable we left in **step 22** to the other Strip Light port. Reconnect the roof again ensuring you push the 15cm cable toward the back of the cabin. Check that there are no cables dangling down from the inside of the cabin, then turn the Power ON to test the internal and external cabin lights are working OK.





*Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light, expansion board, or effects board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide**.*

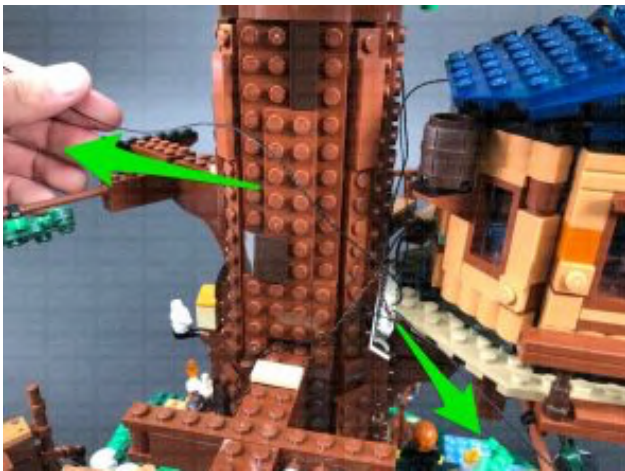
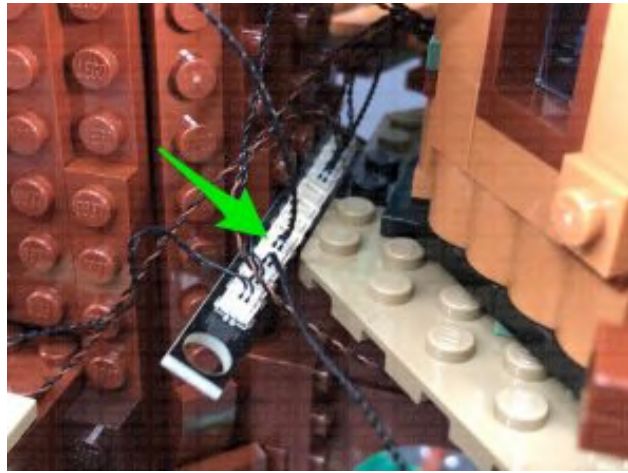
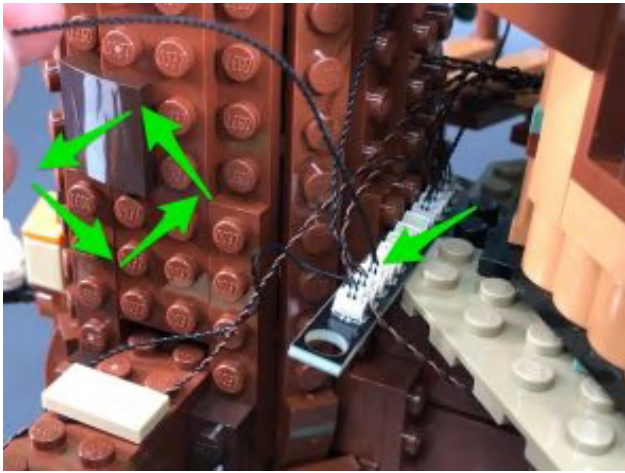
**25.)** Reconnect the left side of the bridge via the black plate with clip.



Turn the set back around the back and take a new **15cm Connecting Cable** and connect it to a spare port on the 12-Port Expansion board. Leave the other end of the cable disconnected, as we will use this to connect to the back cabin later.

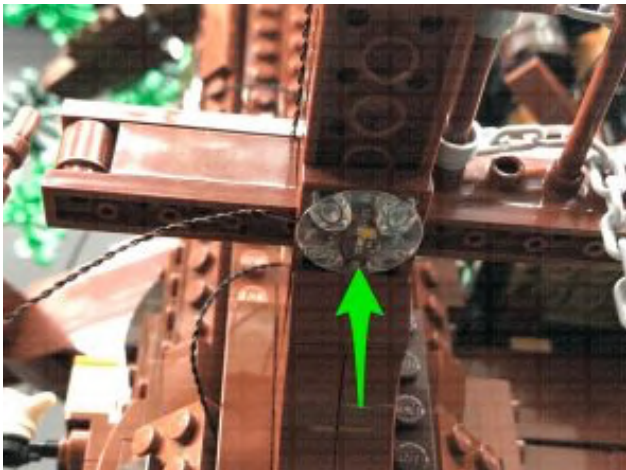
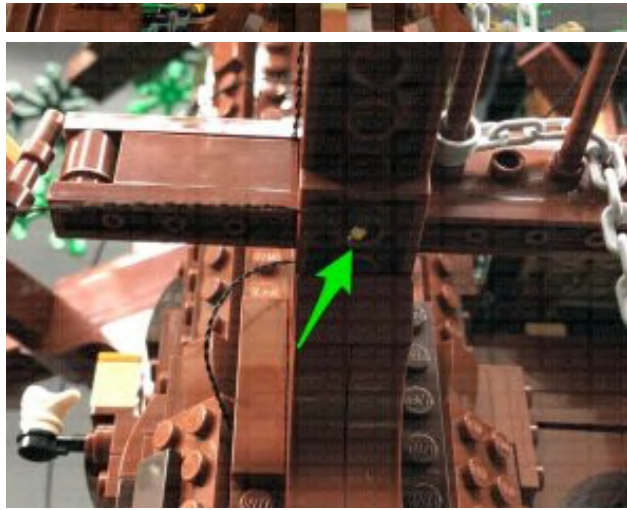
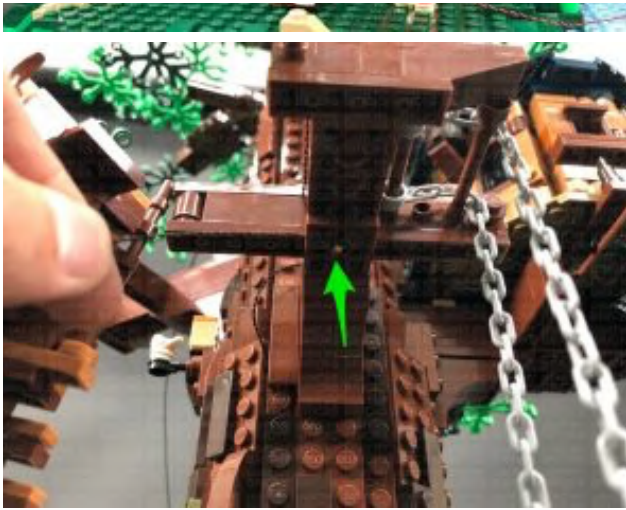


Take a **30cm Connecting Cable** and connect it to another spare port on the 12-Port Expansion Board. Leave the other end of the 30cm cable disconnected, as this will be used to connect to the left side cabin later.

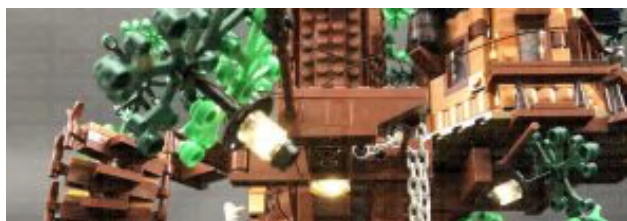
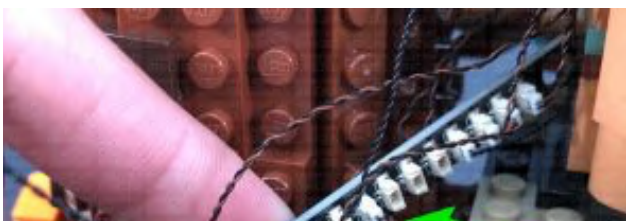


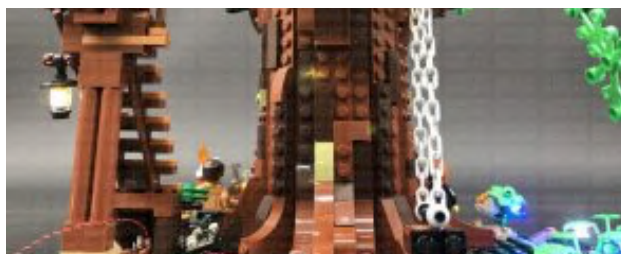
26.) We will now install a light above the tree swing. First take a **White 15cm Bit Light** and with the cable facing the left side, place the LED facing down underneath the following stud hole. Secure the Bit Light in place by connecting a provided **Trans Clear Plate w Rounded Bottom 2x2** over the top.





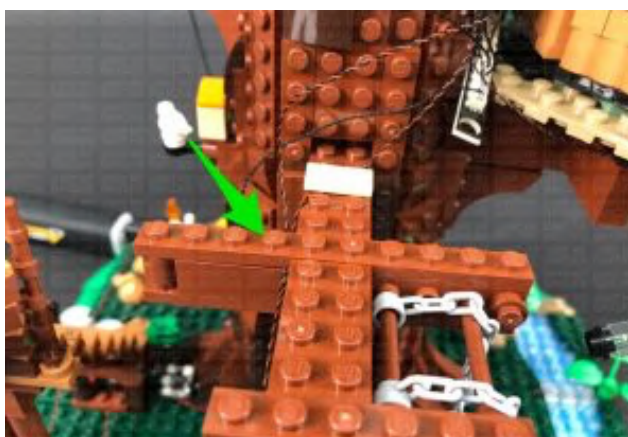
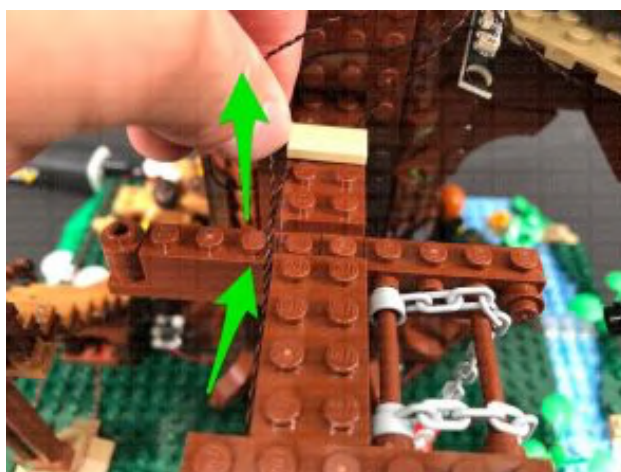
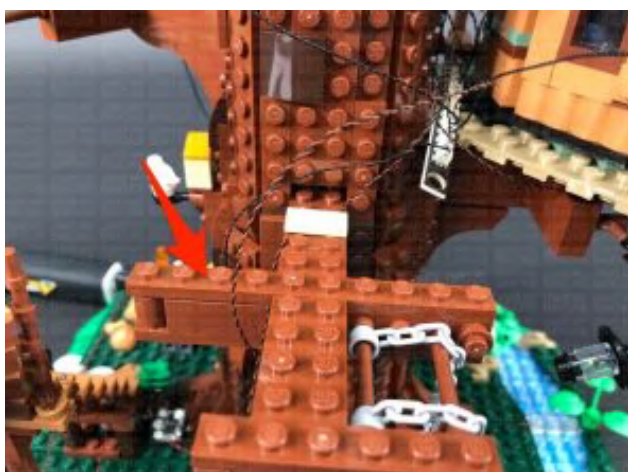
Bring the cable up over the left side of the tree branch and connect it to the next available port on the 12-port Expansion Board. Turn ON the Power to test the tree swing light is working OK.





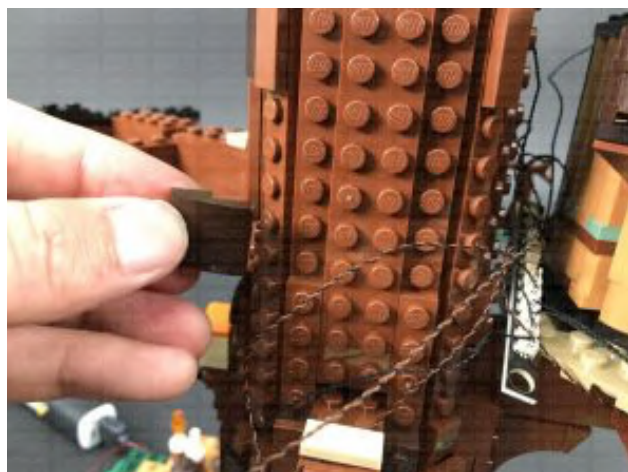
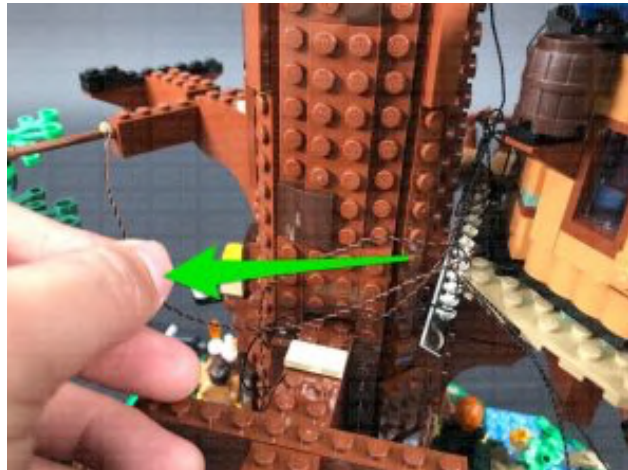
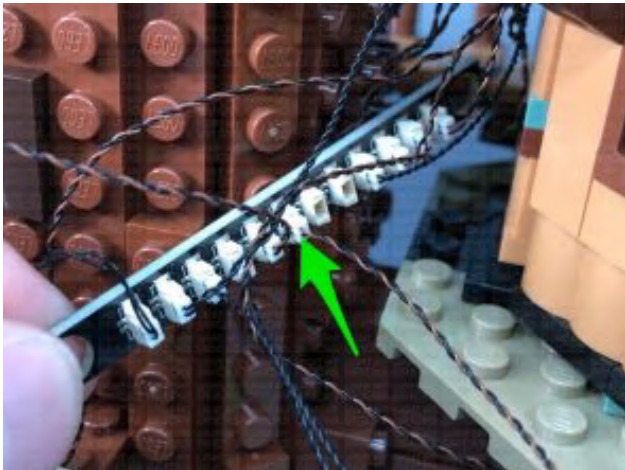
*Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light, expansion board, or effects board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide**.*

**27.)** Disconnect the brown 1×10 plate and lay the cable in between studs before reconnecting the plate over the top.



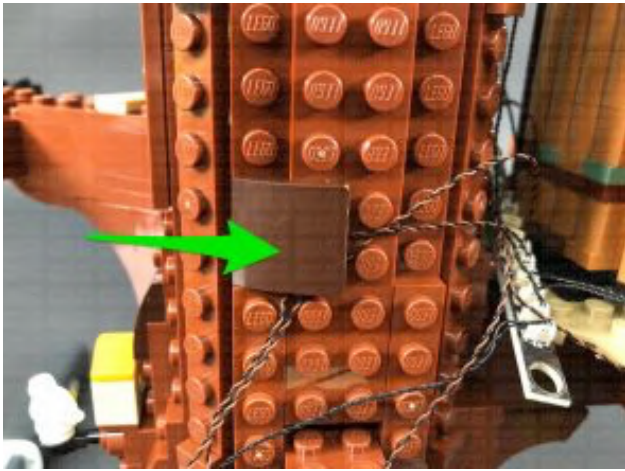


Take a new **White 15cm Bit Light** and connect it to a spare port on the 12-port Expansion Board. Bring the Bit Light over to the left side of the tree (we will secure the bit light above the bird house later), then disconnect the following dark brown plate.

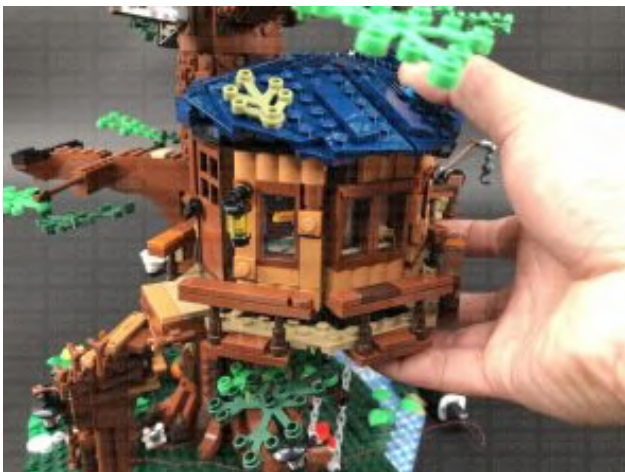


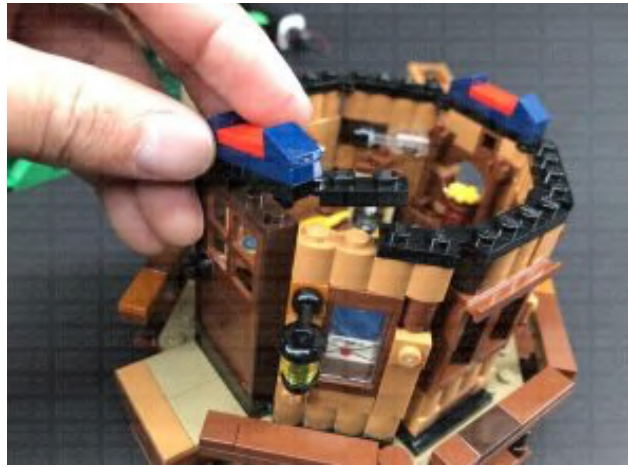
Lay both the Bit Light cable we just connected as well as the Bit Light cable we installed above the swing down in between studs as shown below, then reconnect the dark brown plate over the top.



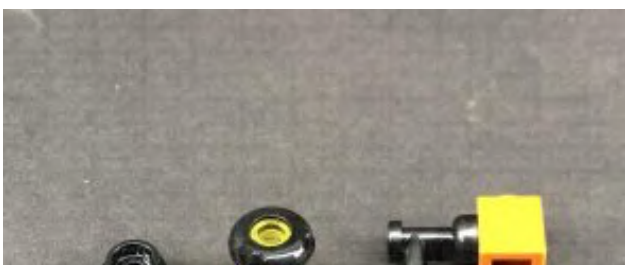


28.) Take the back cabin and remove the roof, then disconnect the following section that sits on top of the window close to the external lamp.



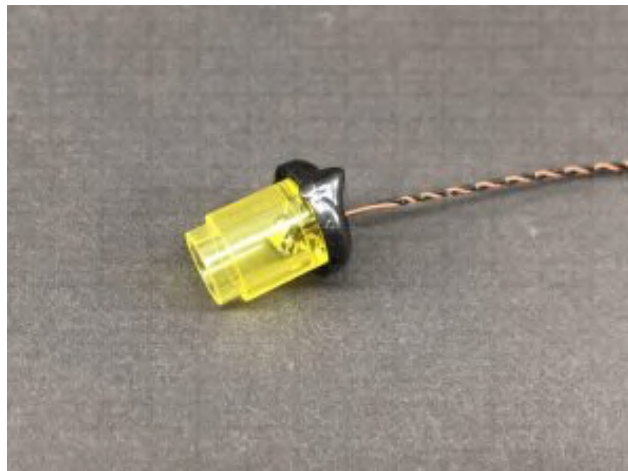
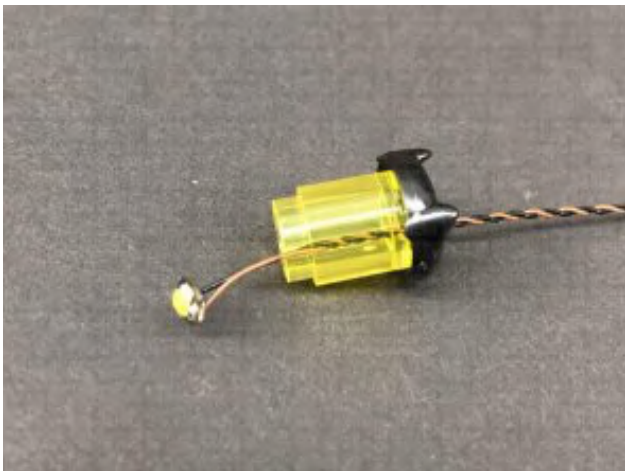
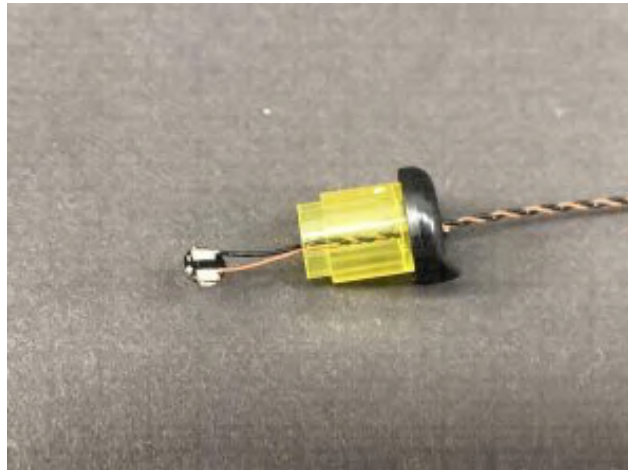
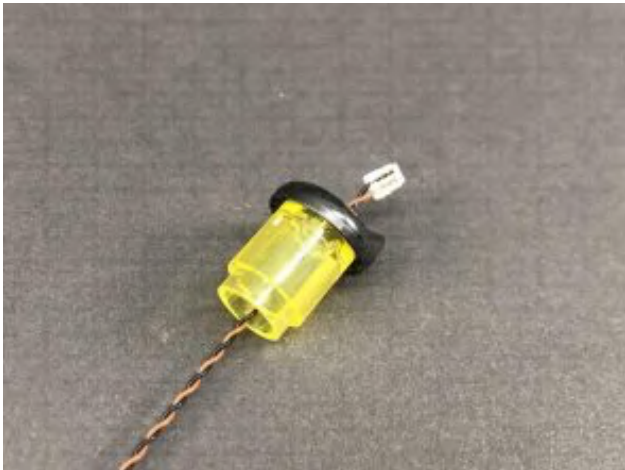


Disconnect the left side of the black hinge plate as well as the 1x4 brick above the window, then disconnect and disassemble the lamp section as shown below:



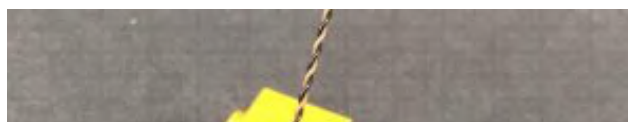


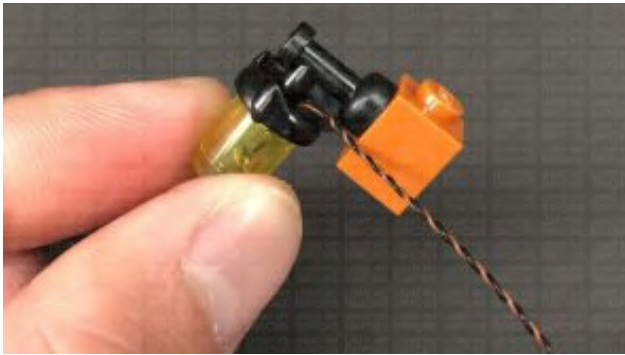
Repeat the process used in step 23 to install another **White 15cm Bit Light** to the lamp.



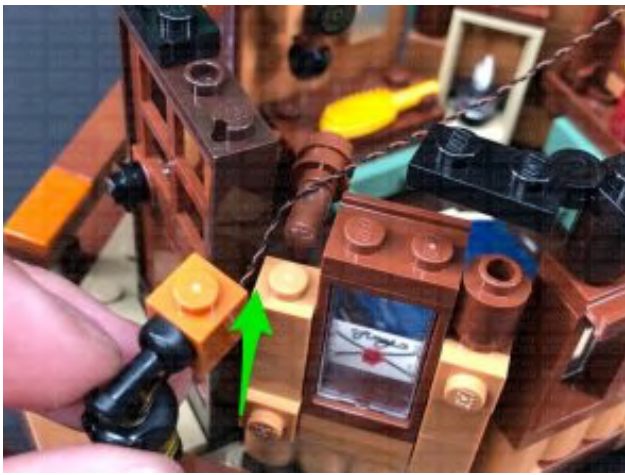
Carefully reconnect the black tap piece through the top of the trans yellow brick.

**Ensure you DO NOT forcefully push it completely all the way down. Pushing the tap piece all the way down may break the cable.**





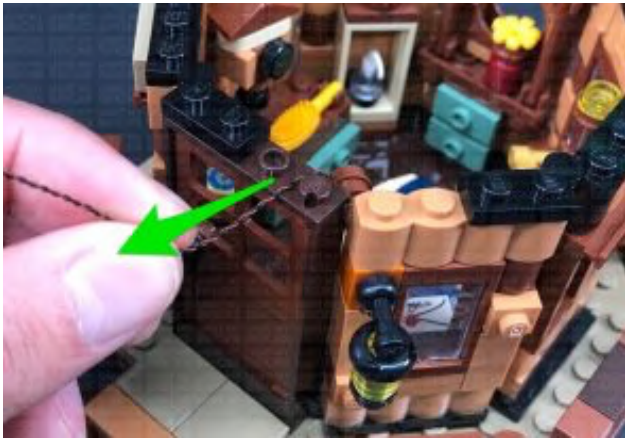
29.) Lay the cable over the left side of the stud to the left of the window before reconnecting this section along with the 1x4 brick and black hinge plate above.



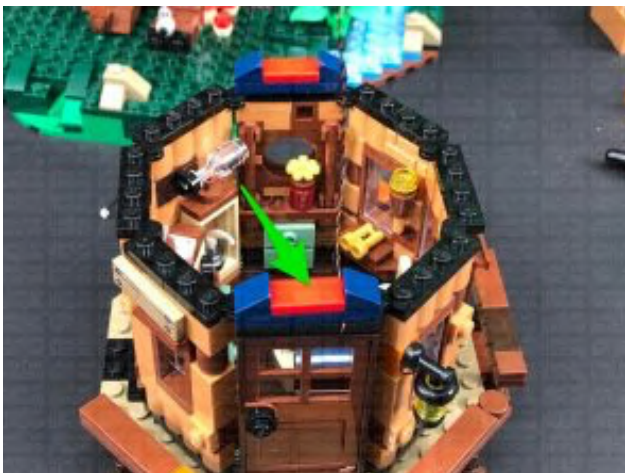
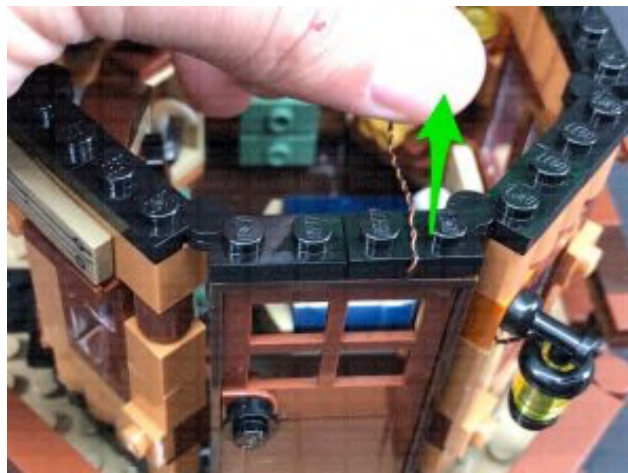
Bring the cable back over the door frame, laying it between studs before reconnecting the section above over the top.







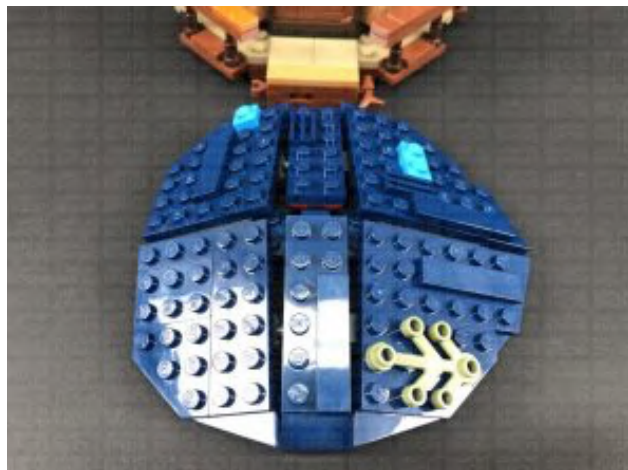
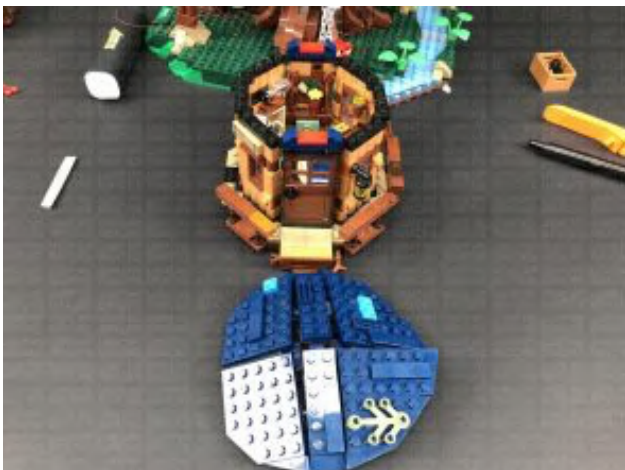
Disconnect the blue and red section and pull the cable back over to the inside of the cabin. Reconnect the section over the top.

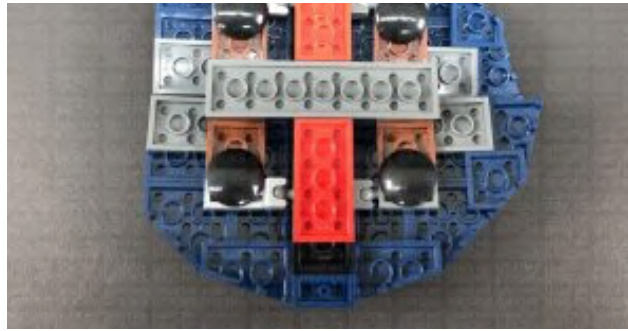
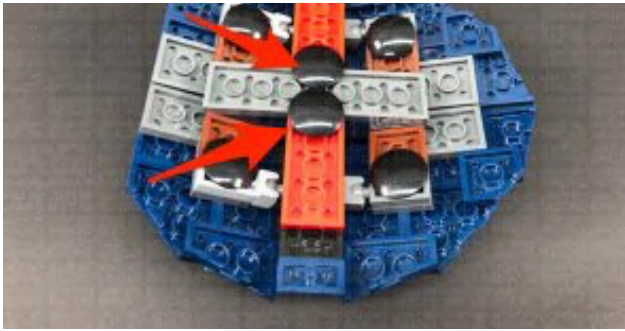


Connect the Bit Light cable to a **Warm White Strip Light**.

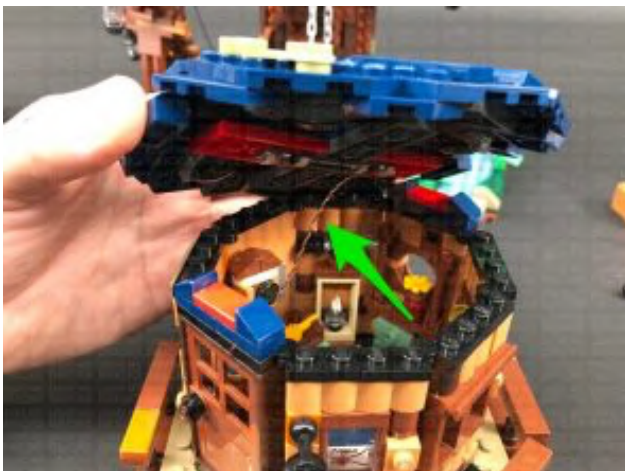


30.) Take the roof and flip it upside down, then disconnect the following two black rounded bottom plates.





Using its adhesive backing, stick the Strip Light underneath the roof in the following position, ensuring the bit light cable that is connected to it is facing the bottom. Before reconnecting the roof, ensure the bit light cable is pulled up so that it does not dangle down and be obviously seen from outside looking in.



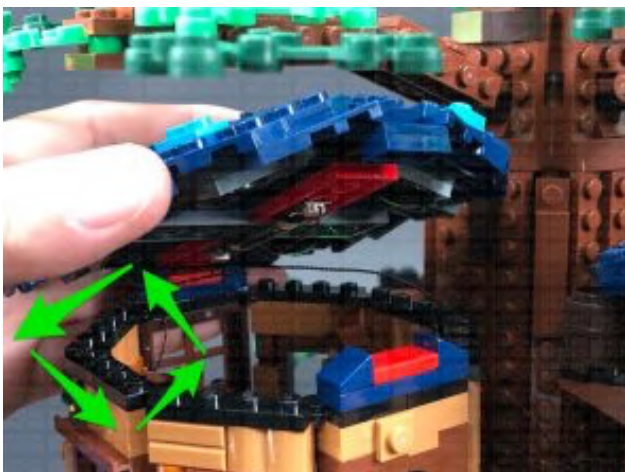
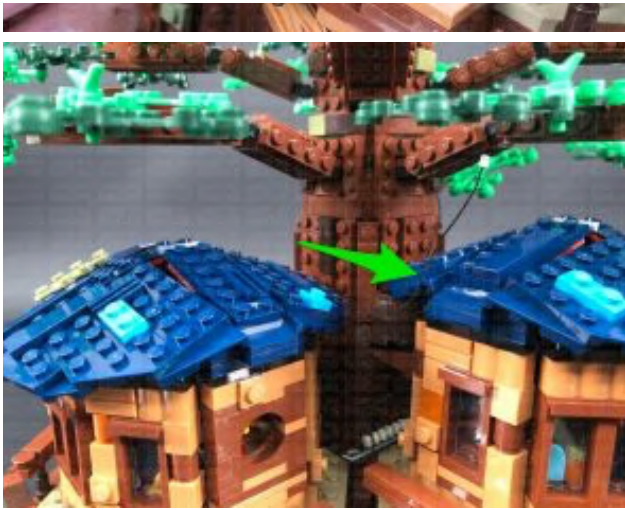
**31.)** Ensure the loose 15cm connecting cable and 30cm connecting cable are

laid over to the left side of the back tree branch before securely reconnecting the back cabin on top.

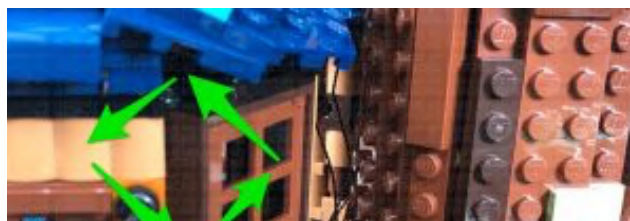
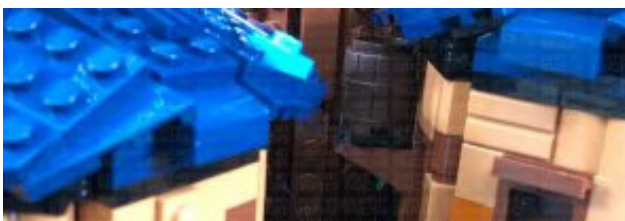


Bring the loose 15cm Connecting Cable back over to the right side of the back cabin, then disconnect the roof and turn it around so that you can access the spare port on the Strip Light. Connect the 15cm Connecting Cable to the strip light, then turn the roof back around and securely reconnect it on top ensuring all cables are pulled up and prevented from dangling down.





Ensure the expansion board and cables are all tucked in behind the left cabin, and look neat from both front and back side, then turn ON your power to test the back cabin lights are all working OK.

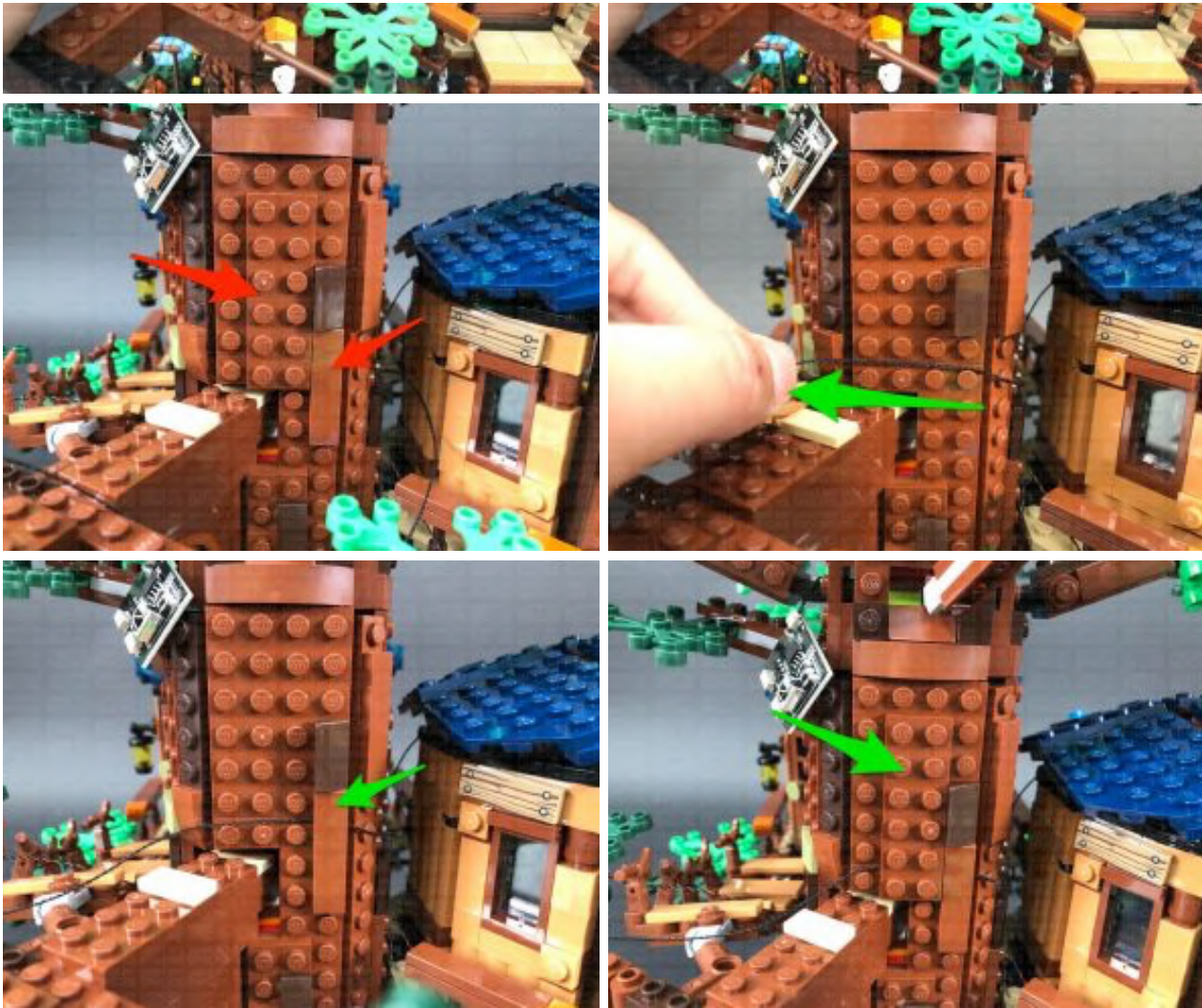




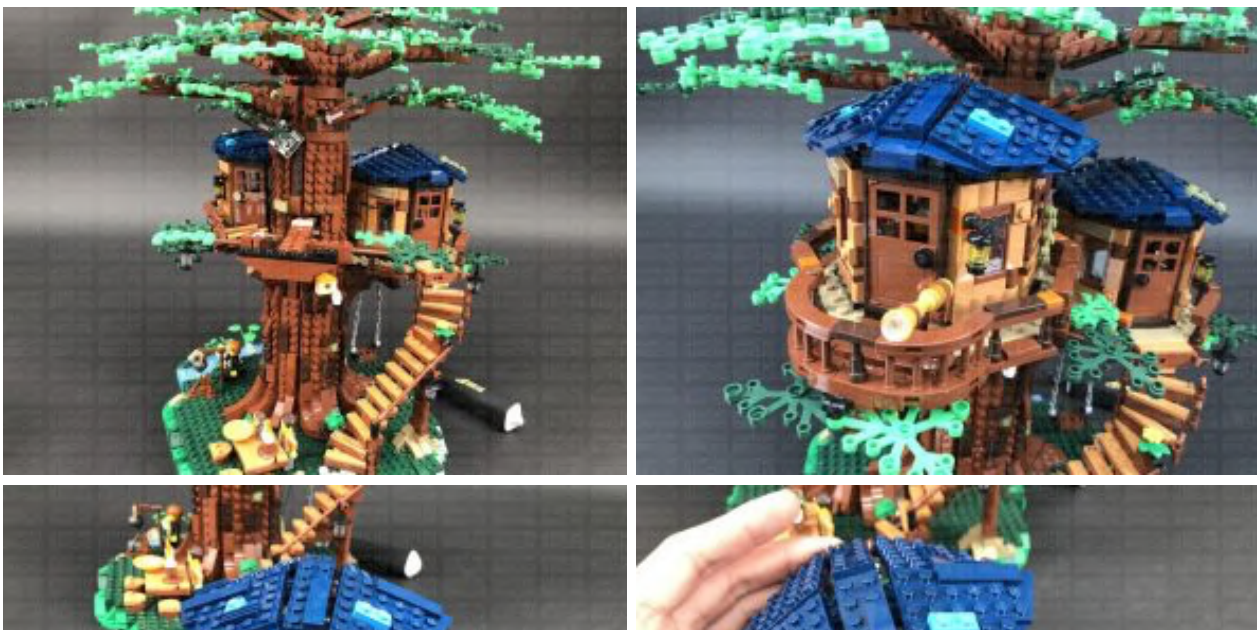
*Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light, expansion board, or effects board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide**.*

**32.)** Turn the set around to the right side, then bring the loose 30cm Connecting Cable around to the left and secure it underneath the brown 2×6 plate and 1×4 tile. Ensure you lay the cable is laid in between studs underneath.





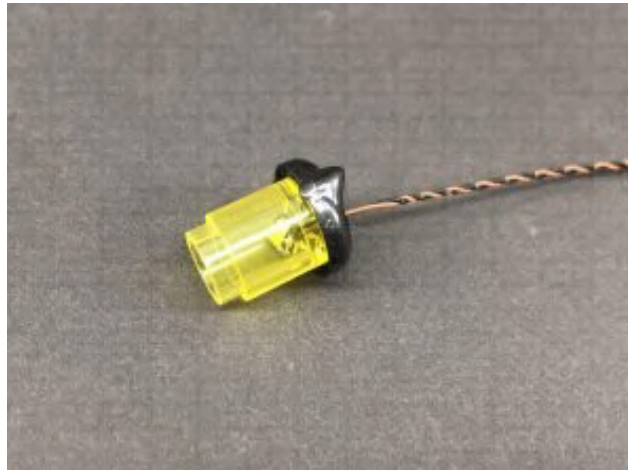
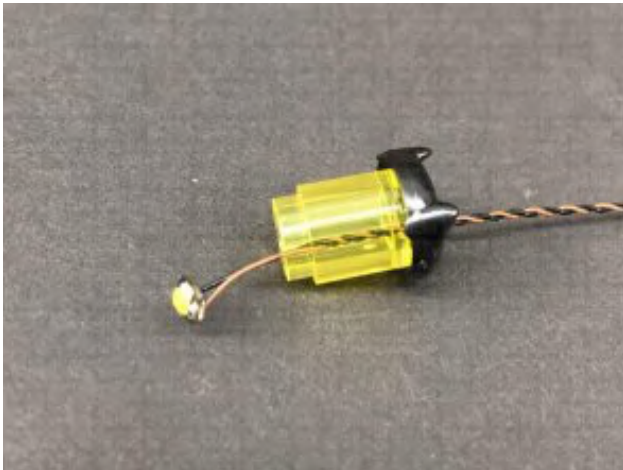
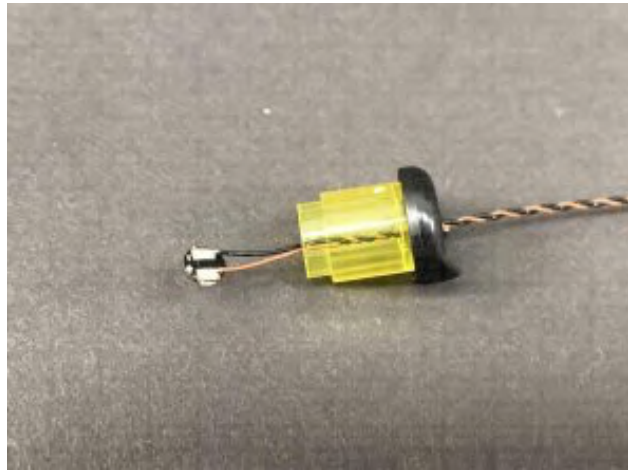
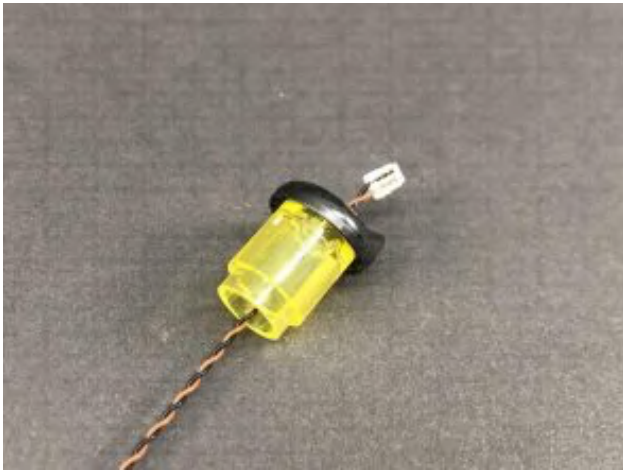
Take the front right cabin and remove the roof. Disconnect the following sections above the door and window to allow us to disconnect the external lamp section.





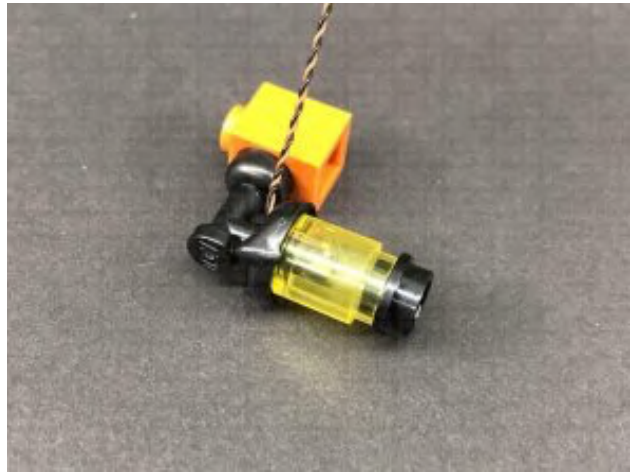
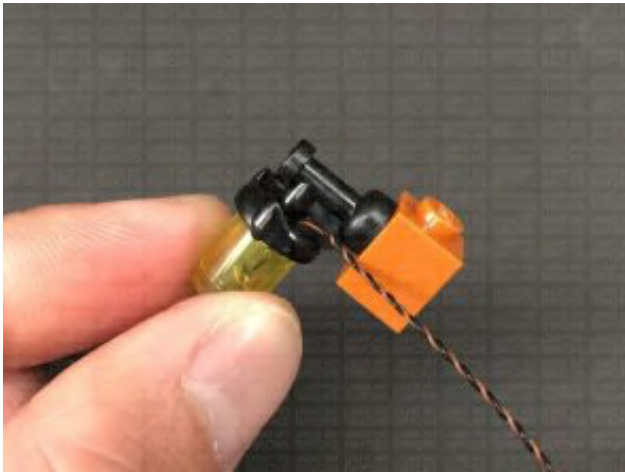


33.) Repeat the process used in step 23 to install another **White 15cm Bit Light** to the lamp.

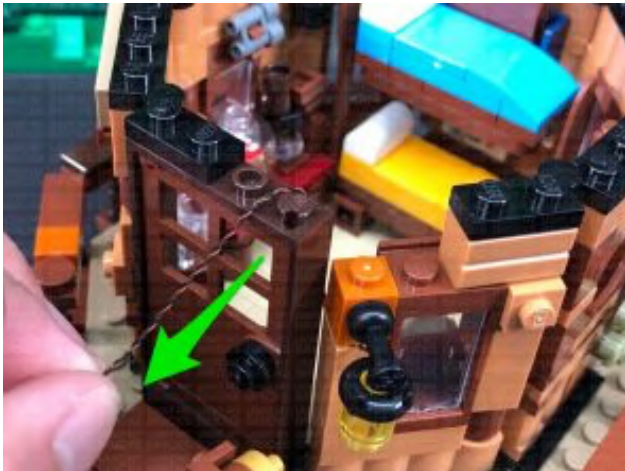


Carefully reconnect the black tap piece through the top of the trans yellow brick.

**Ensure you DO NOT forcefully push it completely all the way down. Pushing the tap piece all the way down may break the cable.**



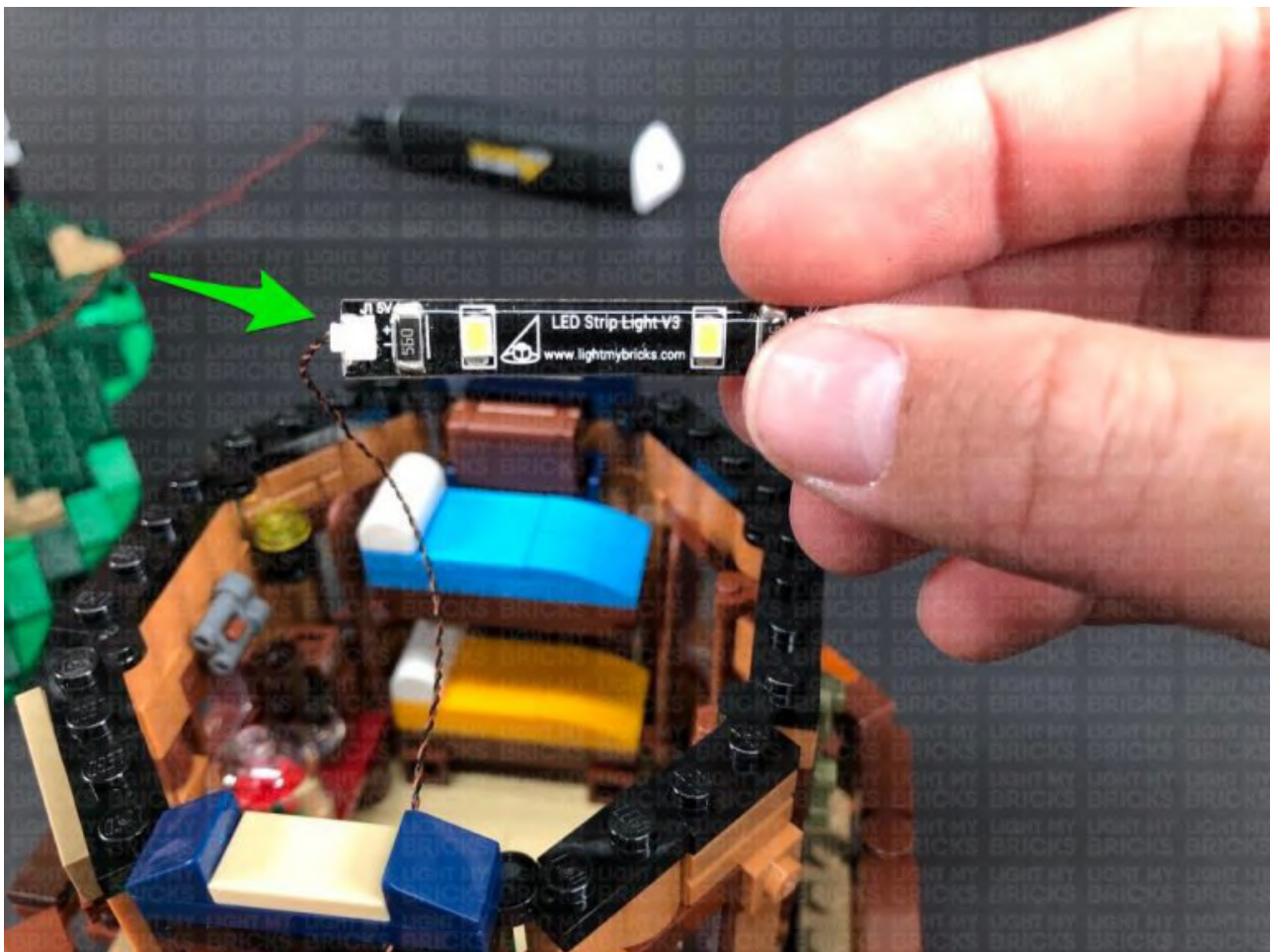
Lay the cable over the left side of the stud to the left of the window before reconnecting this section, then pull the cable over the top of the front door frame. Reconnect the black hinge plate section over the top.



Pull the cable back over to the inside of the cabin, then reconnect the remaining sections above.



Connect the Bit Light cable to the remaining **Warm White Strip Light**

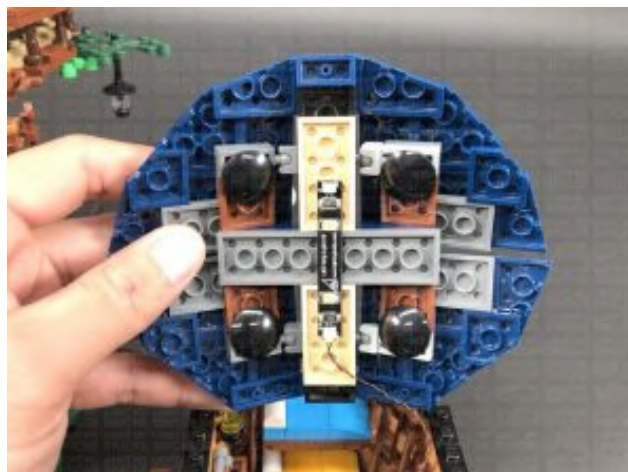
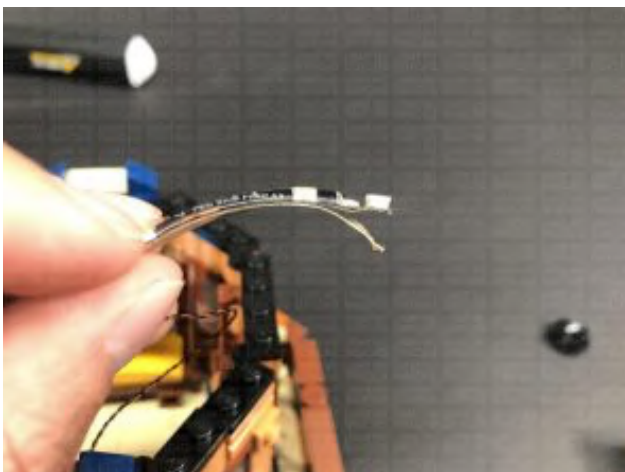


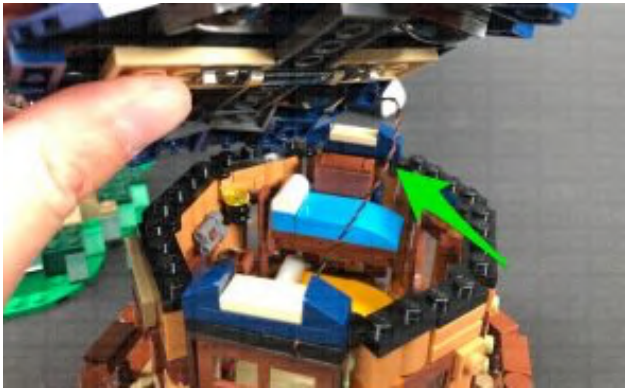
34.) Take the roof of the cabin and flip it upside down, then disconnect the

following two black rounded bottom plates.

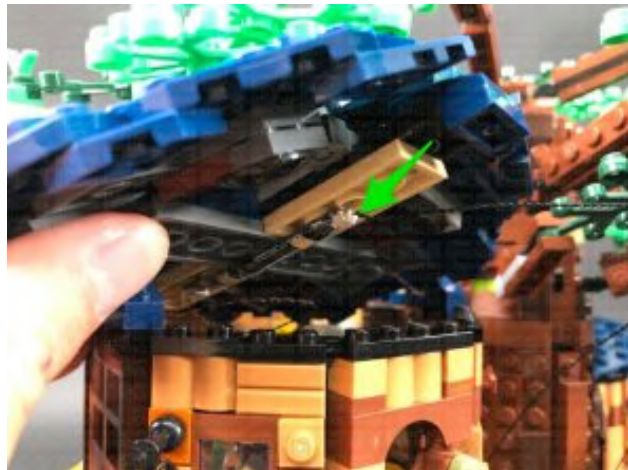
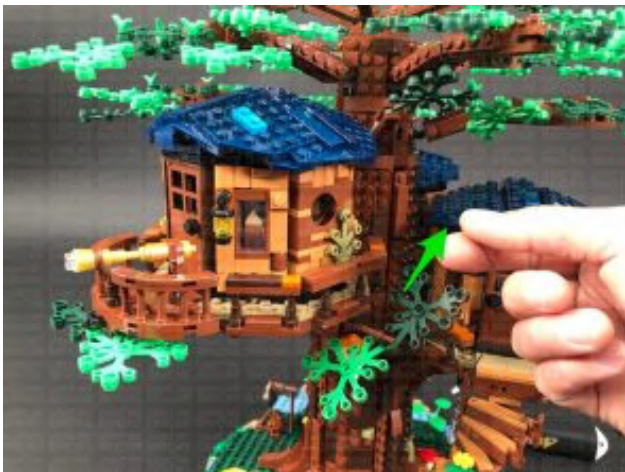


Using its adhesive backing, stick the Strip Light underneath the roof in the following position, ensuring the bit light cable that is connected to it is facing the bottom. Before reconnecting the roof, ensure the bit light cable is pulled up so that it does not dangle down and be obviously seen from outside looking in.





Securely reconnect the front right cabin to the tree, then locate the other end of the 30cm Connecting Cable (from the right side of the cabin). Lift up the roof and spin it around so that we can access the spare port on the Strip Light. Connect the 30cm Cable to the strip light, then spin the roof back around to original position before securely reconnecting it to the top of the cabin. Ensure the excess 30cm Cable is well hidden behind the cabin.



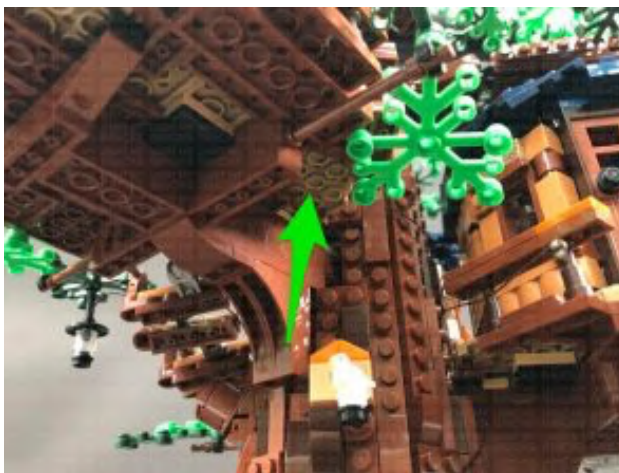


Turn ON your power to test the cabin lights are working OK.

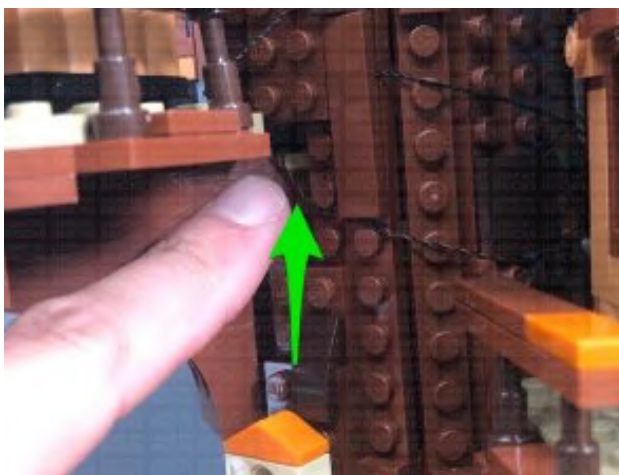


**35.)** Remember the Bit Light we connected to the expansion board (step27), that we left hanging? We will now install that above the bird house. Bring the cable out and position it toward the back right, underneath the cabin we just reconnected. Secure the bit light in place by connecting a provided **Trans Clear**

Plate w Rounded Bottom 2x2 over the top.



Push the bit light cable up the following corner to secure it to prevent it from dangling down, then turn ON your power to test the birdhouse light is working OK.





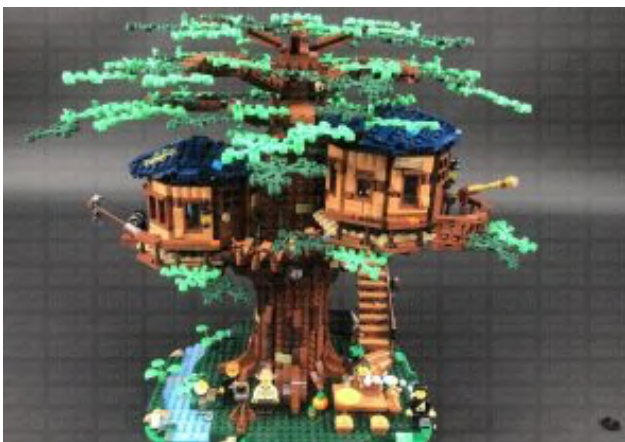
*Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light, expansion board, or effects board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide**.*

Check all cables and components are neatly hidden as we will now move onto lighting the remaining section of the tree.





**36.)** Push down the middle tree branch section at the front of the set, then take the RGB Control Board and connect a **RGB Connecting Cable 15cm** to one of the OUT ports. Take **2-3 x Adhesive Squares** and stick them to the back of the control board, then mount it to the tree in the following position. We want to ensure the IR sensor is well visible.

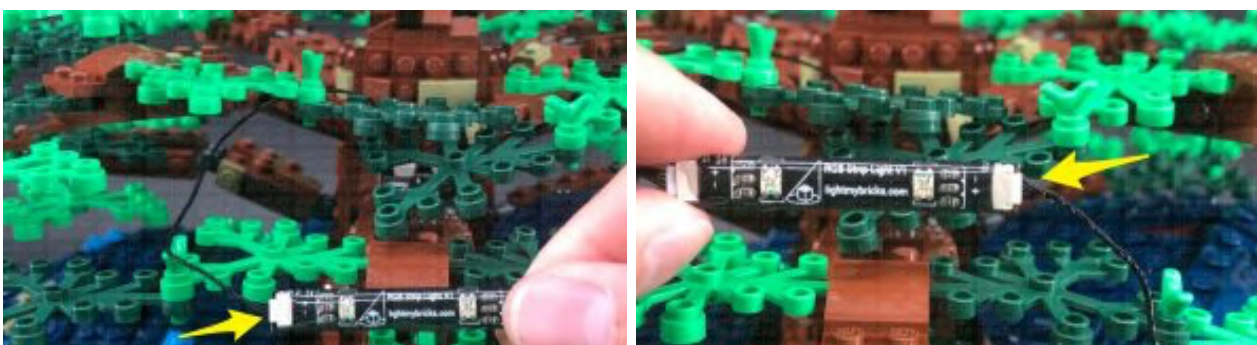




Looking from the very top of the tree, take note of the following locations where we will be installing the 5x RGB Strip Lights.



**37.)** Take a **RGB Strip Light** and connect the 15cm cable from previous step to the left side. Take another **RGB Connecting Cable 15cm** and connect it to it's other port. With the loose 15cm cable facing the right side, using it's adhesive backing, stick the strip light onto the middle branch we just pushed down. Position it behind the dark brown curved plate as shown below:



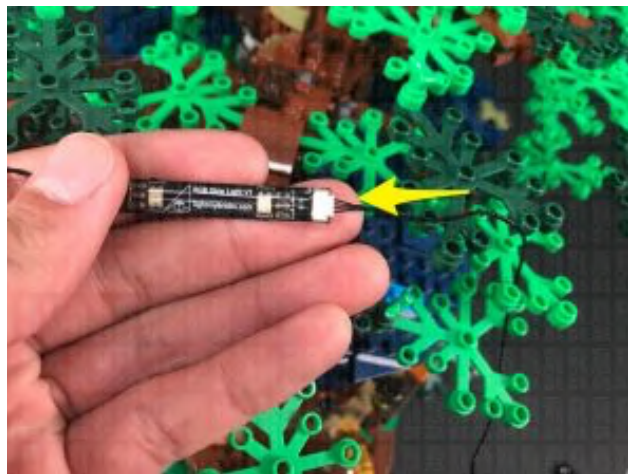
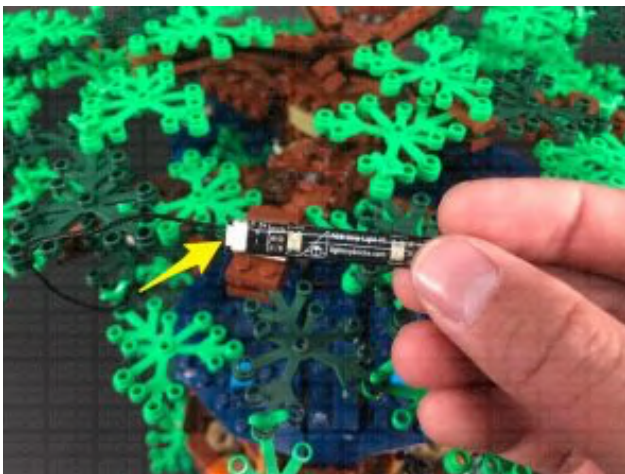


Hide the cable from the left of the strip light underneath tree leaf spaces and behind the tree branches, then push in all the leaf sections above so they are positioned over the strip light. We want the RGB light strips to shine evenly up all the branches and leaves.

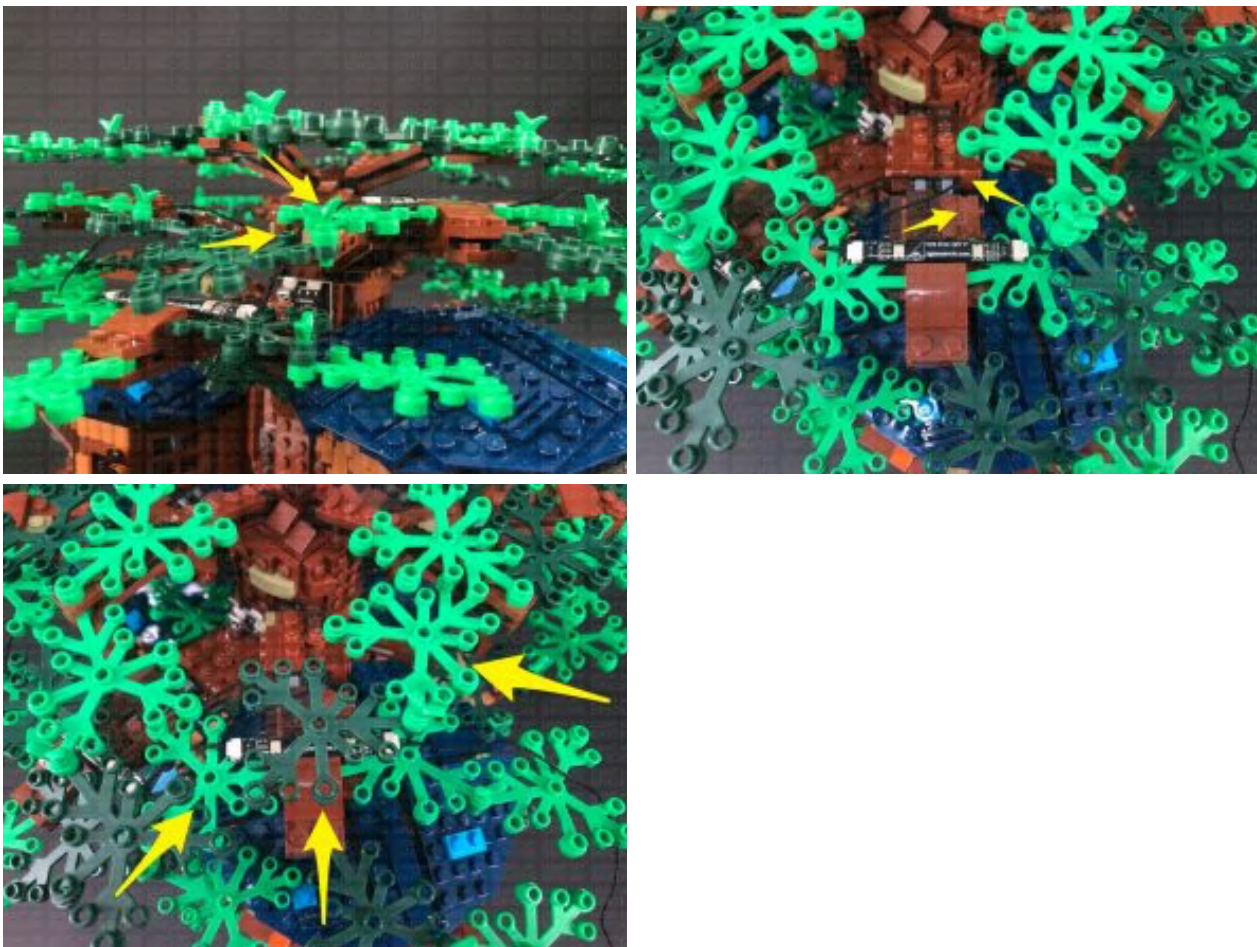




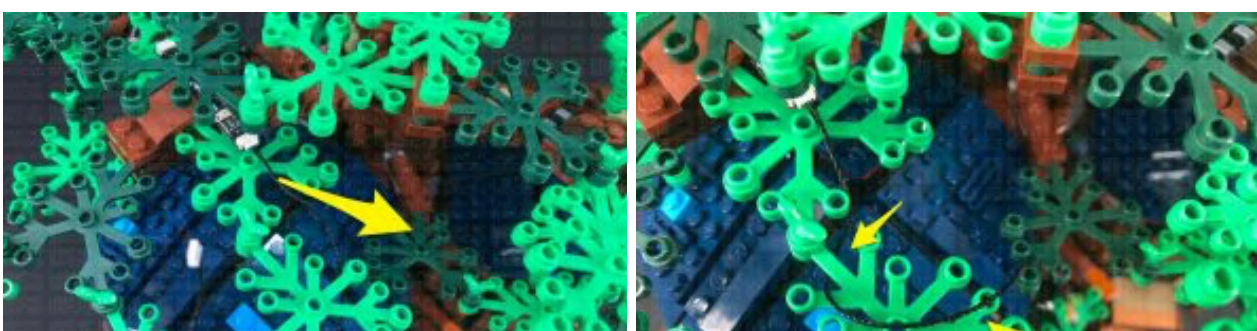
38.) Turn the set around to the front right corner and connect the loose 15cm cable to a new **RGB Strip Light**. Take a new **RGB Connecting Cable 15cm** and connect it to the strip light's right port. Using its adhesive backing, stick it over the next tree branch on the right (above the front right cabin). Position it behind the dark brown curved plate as shown below:



Hide the connecting cable between the two strip lights around tree leaf spaces, then pull any excess cable towards the tree branch as shown below. Push in leaf sections so they are positioned over the top of the strip light.

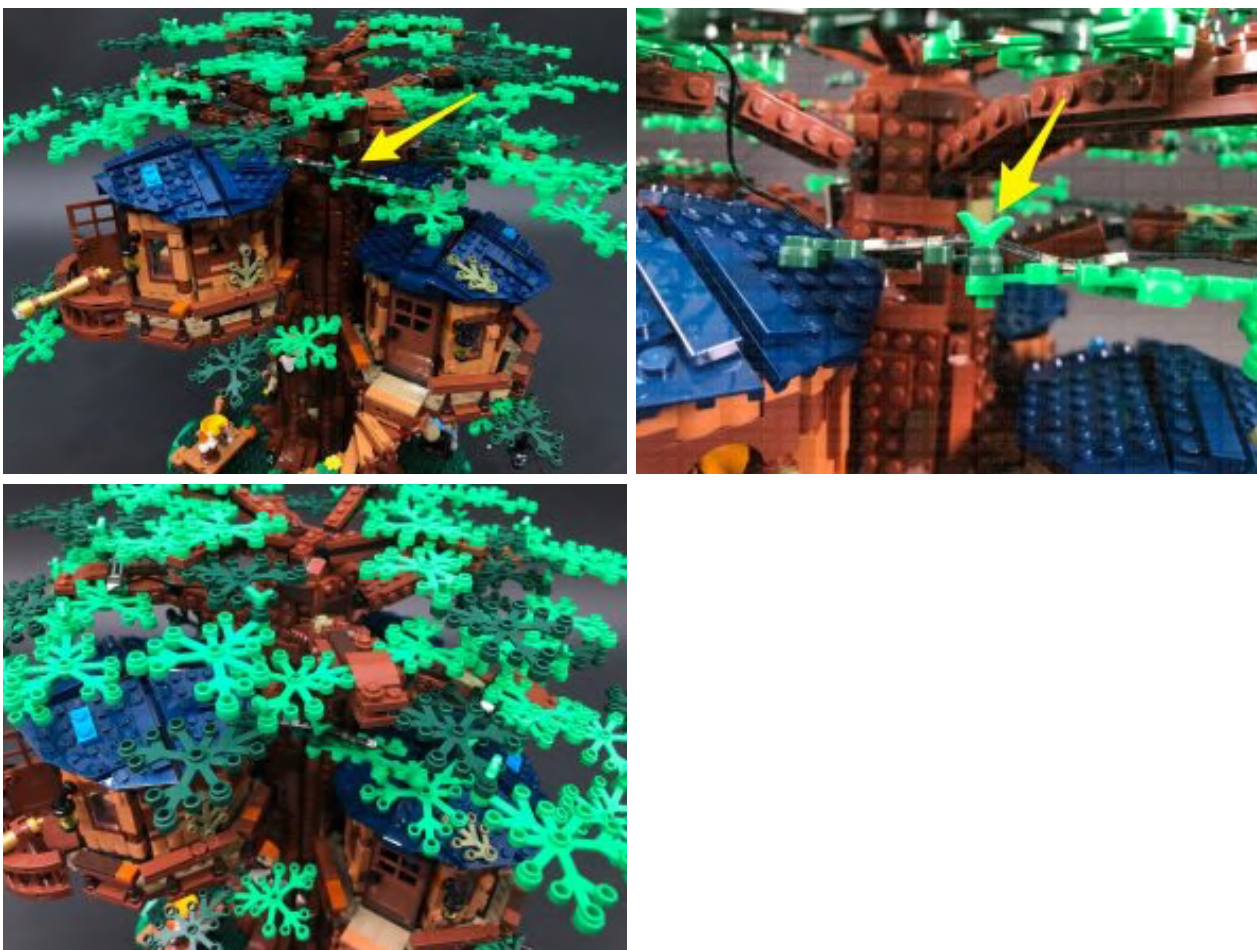


**39.)** Bring the loose 15cm cable around to the back right corner and loop the cable around the light green leaf spaces, then pull it down and connect it to a new **RGB Strip Light**. Take another **RGB Connecting Cable 15cm** and connect it to the right port.

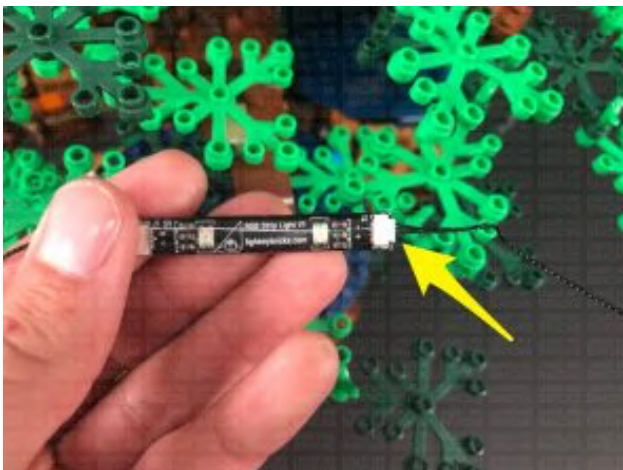




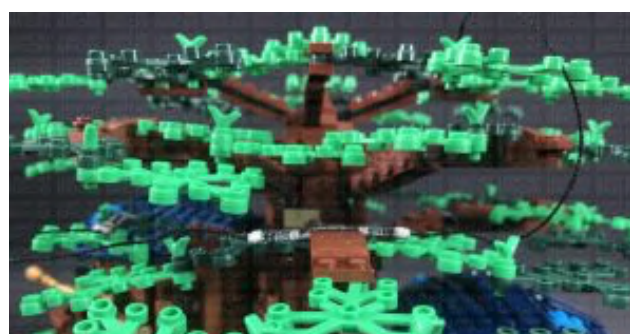
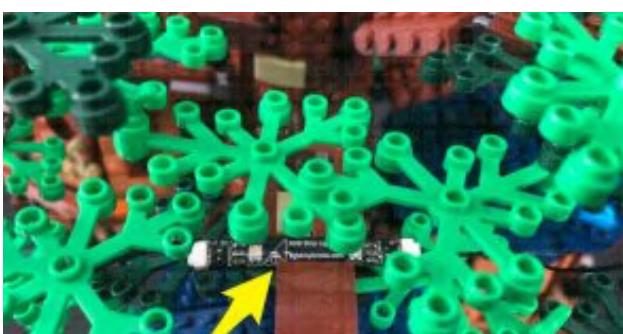
Using its adhesive backing, stick the Strip Light across the top of the following two leaf pieces (dark green and light green underneath a larger tree branch). Ensure the leaf sections above are positioned over the strip light as per below



40.) Bring the loose 15cm cable around to the back side of the set (above the back cabin) and connect it to a new **RGB Strip Light**. Take another new **RGB Connecting Cable 15cm** and connect it to the right port on the strip light.



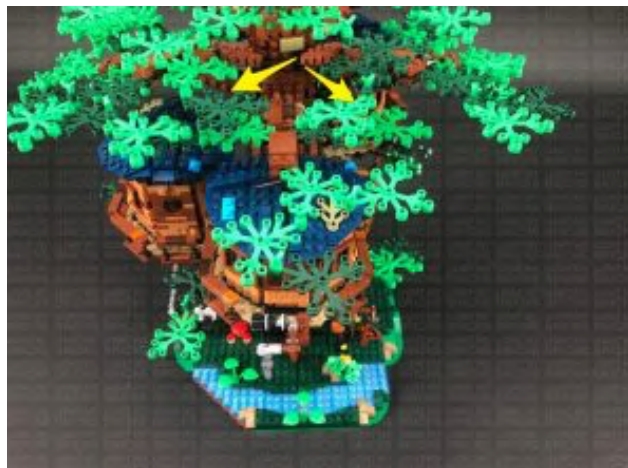
Stick the strip light on top of the back tree branch behind the dark brown curved plate as shown below, then secure the 15cm connecting cable on the left side in between the light green leaf spaces. Ensure the branch and leaf sections above are positioned over the strip light as much as possible.







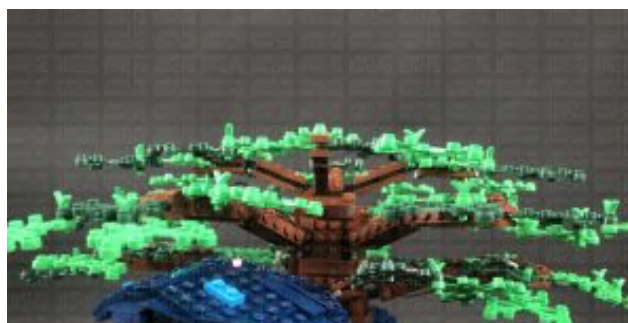
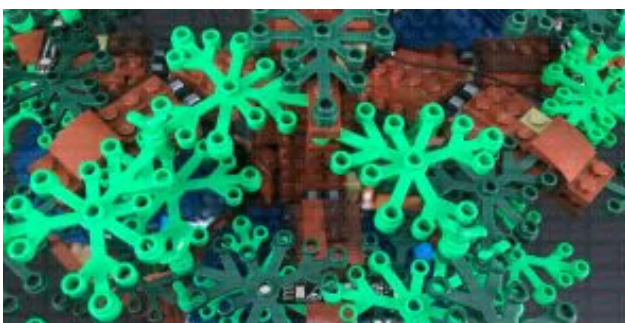
41.) Take the loose 15cm cable and bring it to the right (water side of the set), then pull out the following three leaf sections above the front cabin. Connect the loose 15cm cable to a new **RGB Strip Light**.

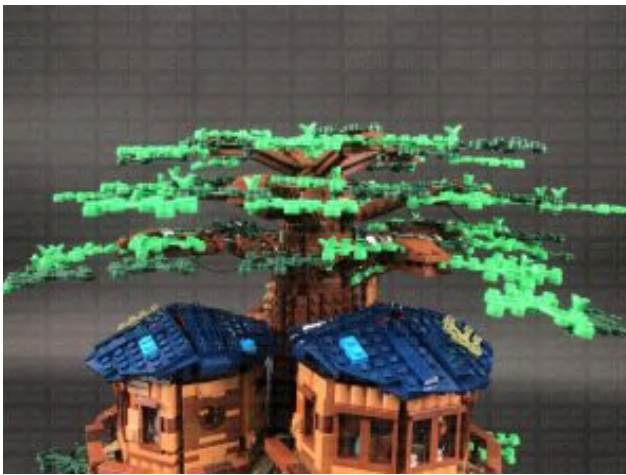
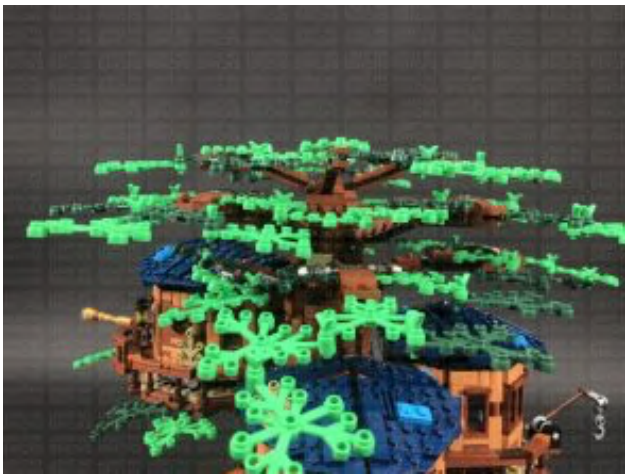


Stick the strip light on top of the tree branch which is directly above the front left cabin. Position the strip light behind the dark brown curved plate as shown below, then secure the 15cm connecting cable on the left side in between the dark green leaf spaces.

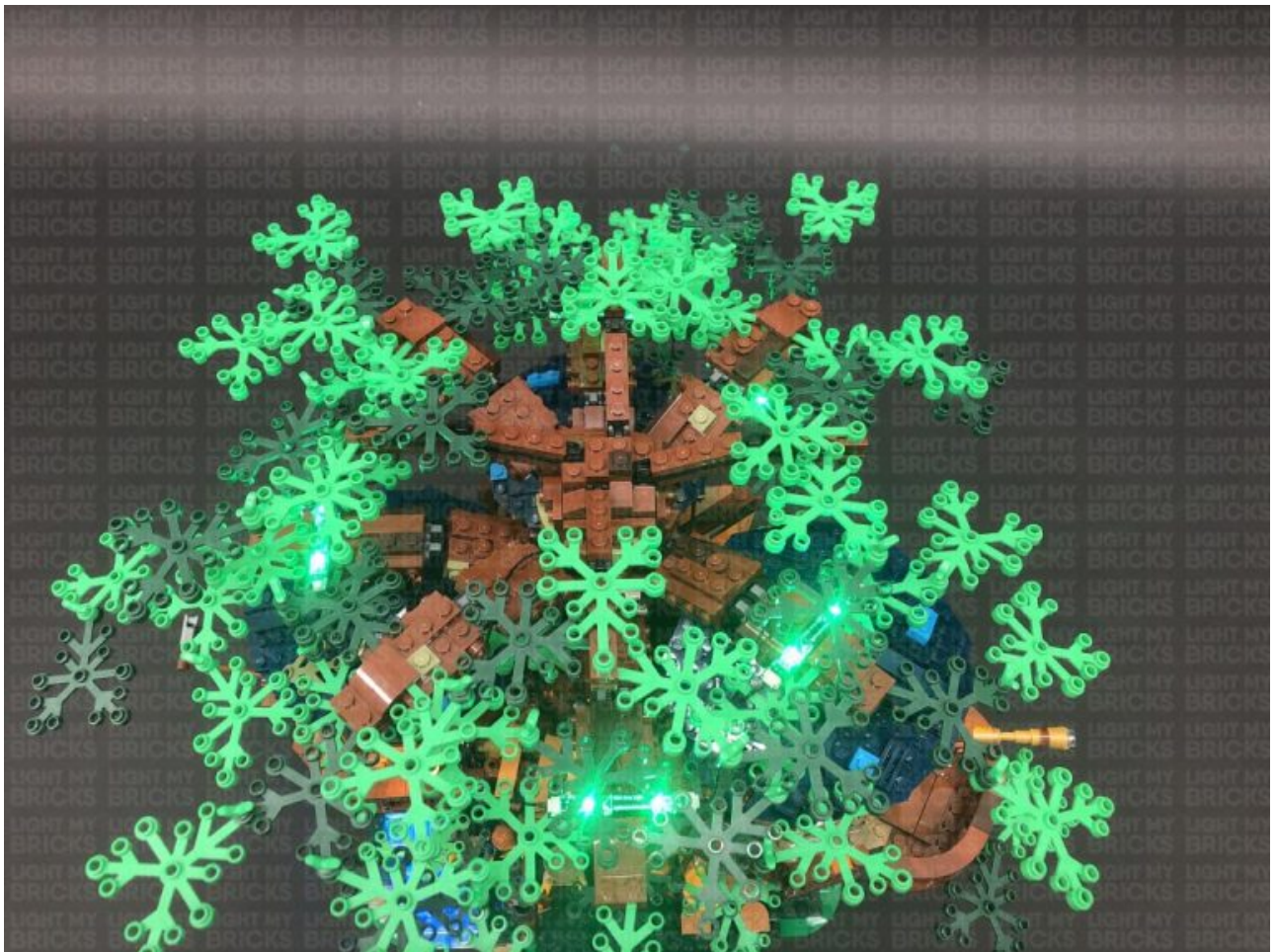


Push back in the leaf sections so they are mostly positioned above the strip light, then check around all the tree leaf sections to ensure all cables are neatly hidden, looped around leaf pieces, and not obviously seen from the outside.





Turn power ON again and test the RGB lights are working OK via the **RGB Remote Control**.



*Read the below guide on using our RGB components.*

## Controlling the RGB Strip Lights

Use the provided **RGB Remote Control** to control the RGB Strip Lights in the top section of the Tree House. Prior to using it, ensure you remove the plastic tag to activate the batteries inside.



By default the RGB lights are turned off even when the other Tree House lights have been turned on.

To control the RGB lights, point the front of the remote control directly toward the RGB Control Board (we mounted at the front side of the tree) and turn the

lights on via the ON button. Choose your desired colour by pressing any of the coloured buttons. You can also control the brightness as well as choose from one of the following effects:

- **Flash** – Flash effect on your chosen colour
- **Strobe** – Will flash quickly while cycling through all the colours
- **Fade** – Will cycle through all the colours 3 seconds at each colour
- **Smooth** – Will cycle through all the colours 7 seconds at each colour



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This finally completes installation of the Light My Bricks LEGO Tree House Light Kit. We thank you for purchasing this product and hope you ENJOY!

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