

# 10236 Ewok Village P143

- P143 is the unique code of lighting set, we use this to accurately identify the product you purchased and the corresponding manuals and services you need to obtain. Please make sure your product code is the same as the label on the back of the box shown “10236 P143”.
- Installation requires a lot of patience and great observation that your LEGO bricks will come alive when you get this finished. The bricks with lighting as below, so make sure you're ready and let's get started.



# Strategies for the Installation

This instruction divides three sections to complete the installation of the lighting set.

## **Section A:** Check the type and quantity of components.

The quantity and type of components of each products are different and it needs to be carefully checked to make sure there do have enough material. The type of components is indicated by the label on the bag.

## **Section B:** Test that each components is working properly.

Each components is made individually so it is necessary to test that each components is working properly to avoid the situation that the lighting does not work .

## **Section C:** laying out components following the instruction.

Our material is very small but not fragile, just be reminded that don't to pull the wires too hard. For different people, there may be some installation steps that you can't understand. Please look at the previous and later installation step

## Section A: Check the type and quantity of components.

There are 13 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
Bit Lights-15CM-Warm White	Bit Lights-15CM-Warm White	4
Bit Lights-30CM-Green	Bit Lights-30CM-Green	8
Bit Lights-30CM-Warm White	Bit Lights-30CM-Warm White	13
LED Strip Lights-Green	LED Strip Lights-Green	2
LED Strip Lights-Warm White	LED Strip Lights-Warm White	2
Expansion Board	6 Socket Expansion Board	3
	8 Socket Expansion Board	1
	12 Socket Expansion Board	1
	2 Socket Expansion Board	1
USB Power Cable	USB Power Cable-30CM	1
Connecting Cables-5CM	Connecting Cables-5CM	7
Connecting Cables-15CM	Connecting Cables-15CM	2
Connecting Cables-30CM	Connecting Cables-30CM	1
Connecting Cables-50CM	Connecting Cables-50CM	1
Flicker-Effects Board	Flicker-Effects Board	2
Parts package		

Please contact us immediately if there have any missing components.

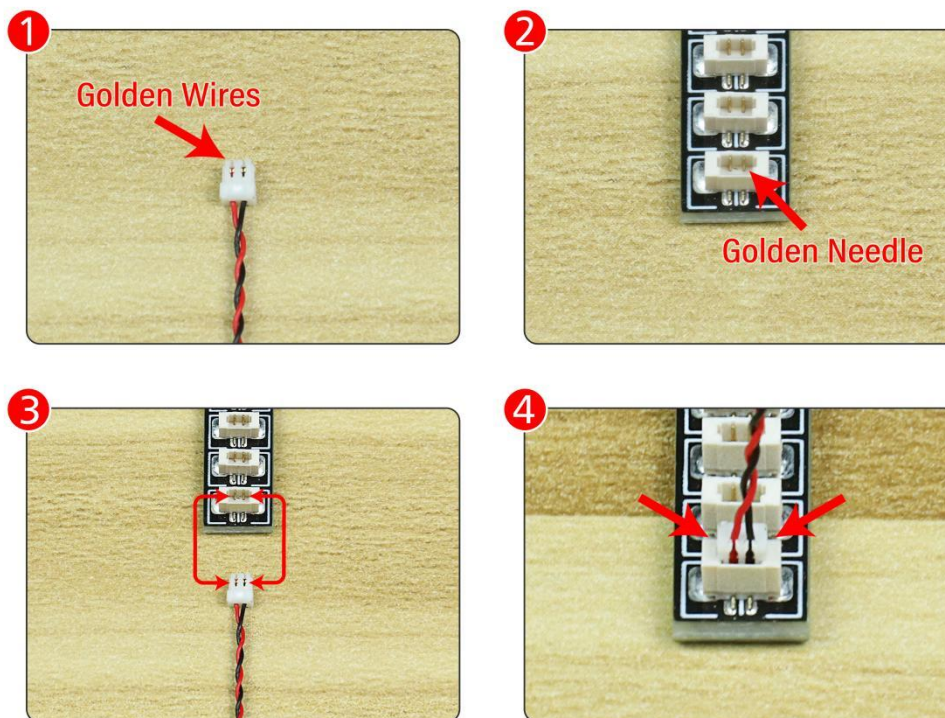
## Section B: Test that each components is working properly.

We need a structure to test all lights, so take out the bag with label “USB Power Cord”and “Expansion Boards”as follows.



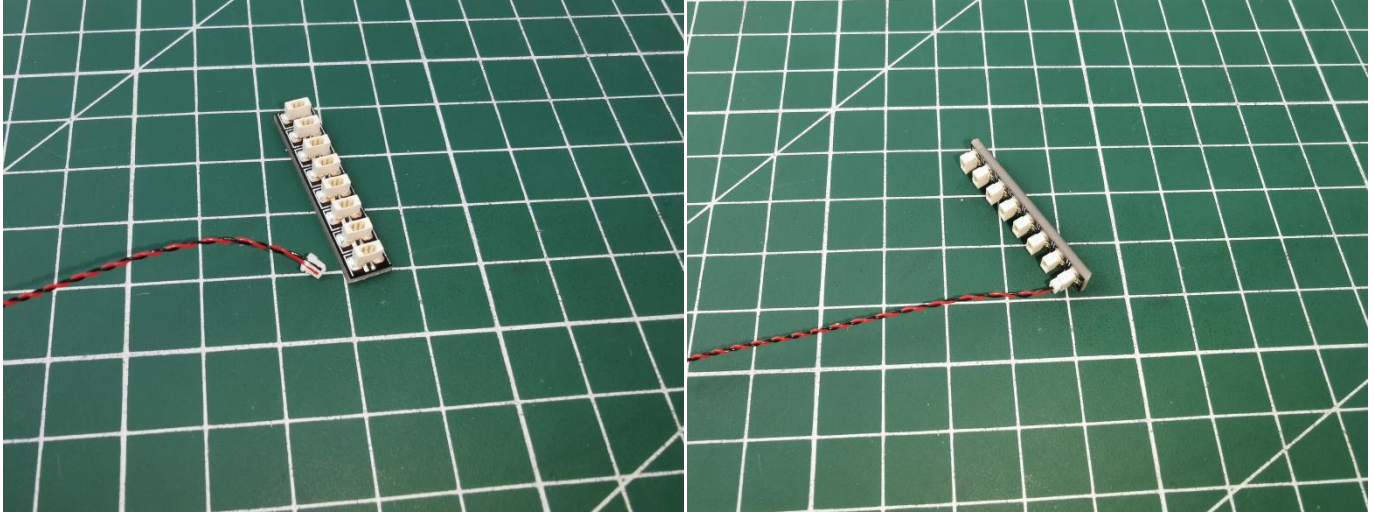
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

Note that on one side of the white plug you can see two very small golden wires that should be connected to the two golden needles in socket of the expansion board.shown as blow.



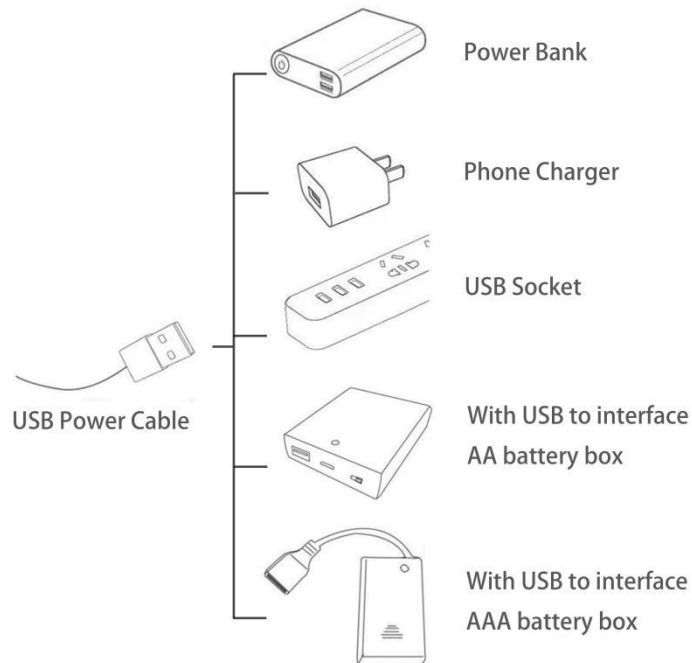
All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the USB Power Cord and Expansion Boards is as follows:



The USB Power Cord can be powered by phone chargers, power banks, etc.

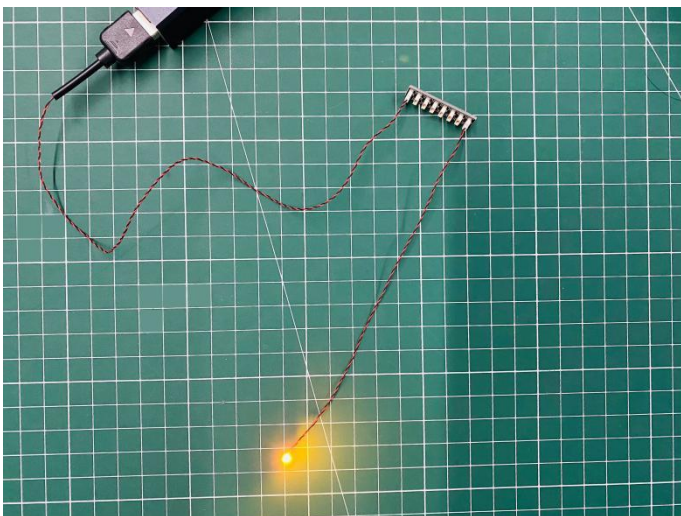
USB connectors to connect devices



**This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.**



**when we test "Bit Lights-15CM-Warm White" particles,Take out the bag labelled "Bit Lights-15CM-Warm White".Take out one of the light and connect it to the socket. Turn on the power bank, the light will turn on normally as shown below.**



**Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.**



**The components needs to be tested in this set is 3\*Bit Lights-15CM-Warm White,8\*Bit Lights-30CM-Green,13\*Bit Lights-30CM-Warm White,2\*LED Strip Lights-Green,2\*LED Strip Lights-Warm White.**

**Please contact us immediately if any components don't work.**

**Section C:** laying out components following the instruction.

**1**



**2.** Disconnect the sword and disassemble it as per below.

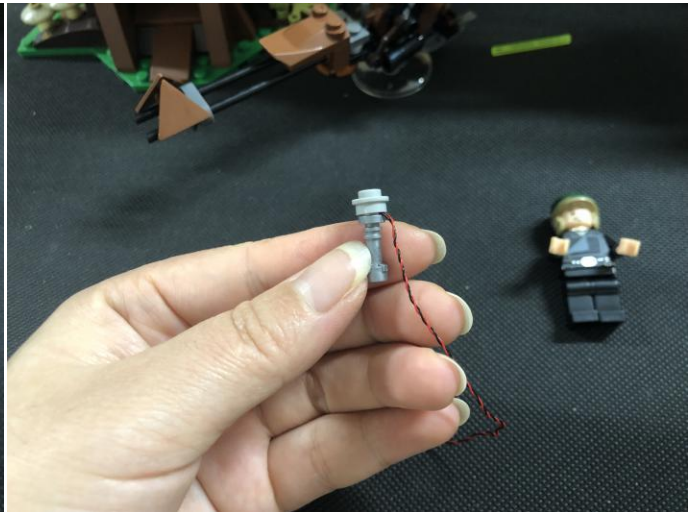




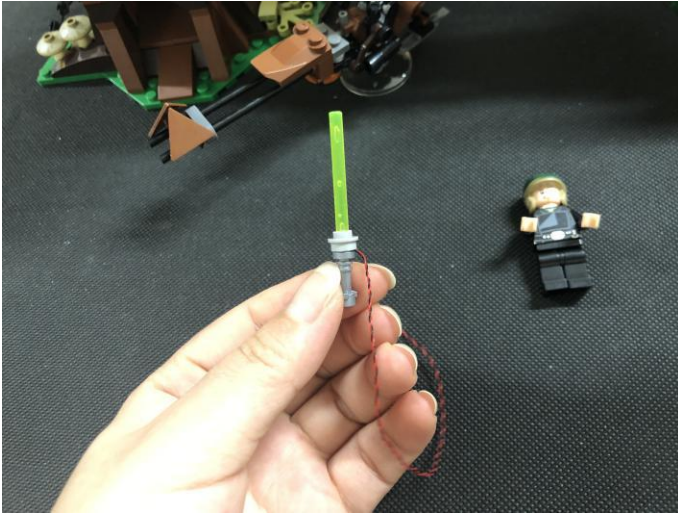
**3.** Take a warm white 15cm dot light, a light gray 1x1 round plate with hole.



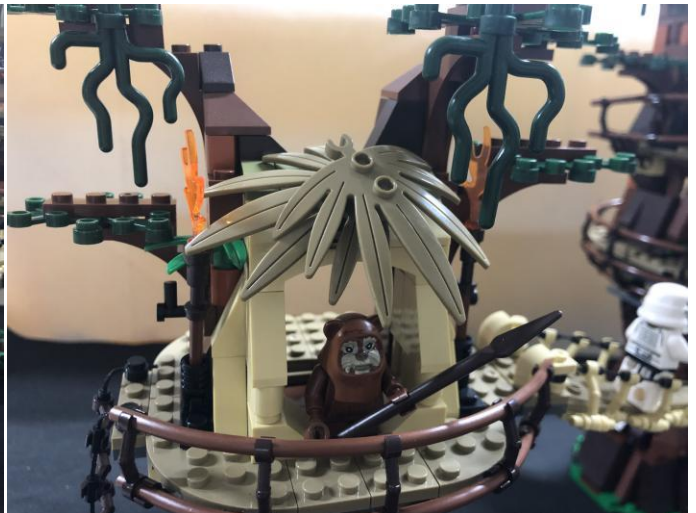
**4.** With lighting part facing up, secure the light with the round piece.



**5. Reconnect the green piece, place the sword back to the hand of the man.**



**6. Now, we'll install lights for the tree house at the far left, remove the torch(torch#1) from the door, disassemble it as per below.**



7



**8. Take a warm white 15cm dot light, a black 1x1 round plate with hole.**



**9.**With lighting part facing up, secure the light with the black round piece as per below.



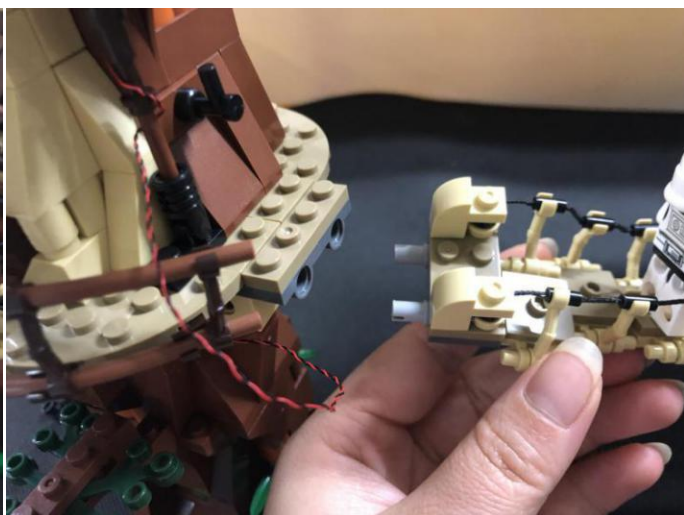
**10.**Reconnect the torch.



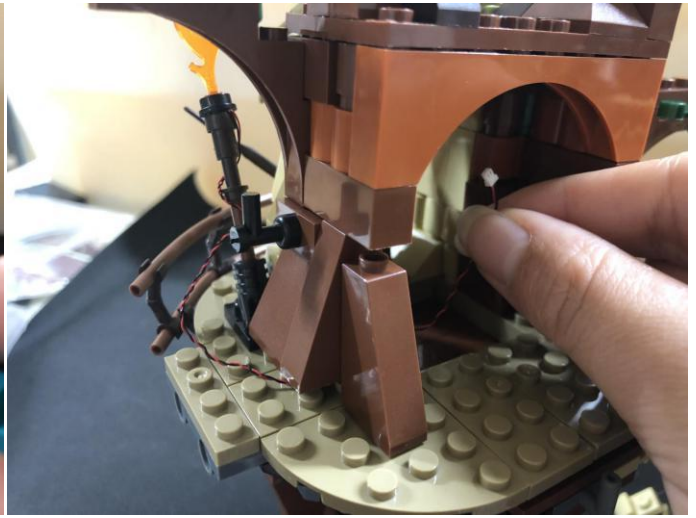
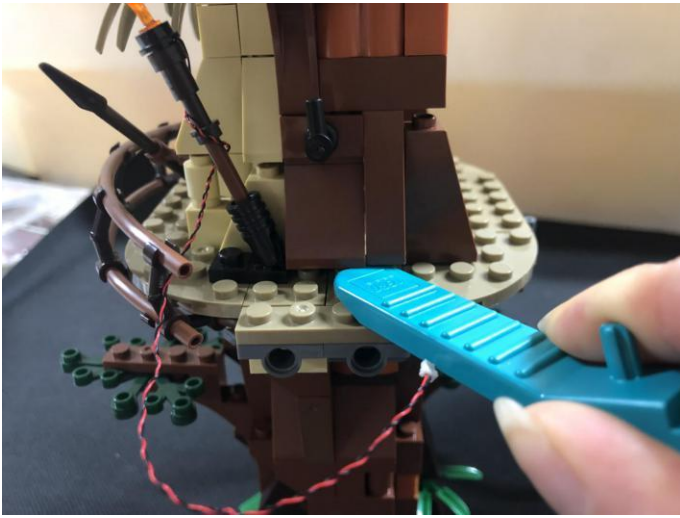
**11.** Take a warm white 15cm dot light, a black 1x1 round plate with hole. Repeat the steps above to install the other torch (torch#2) .



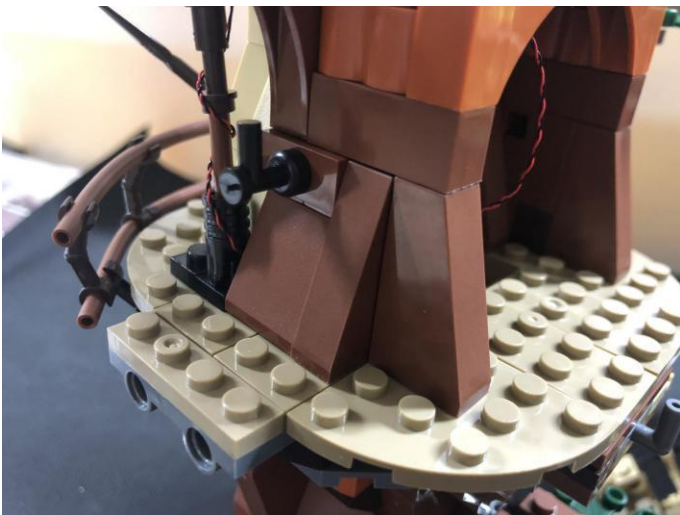
**12.** Disconnect the bridge as per below.



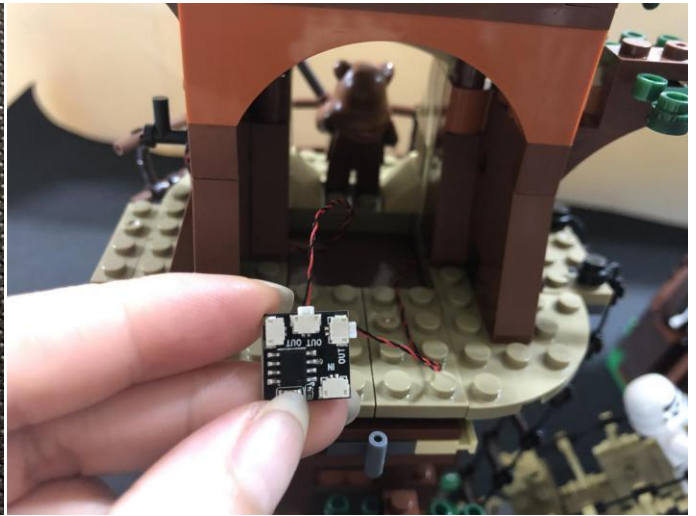
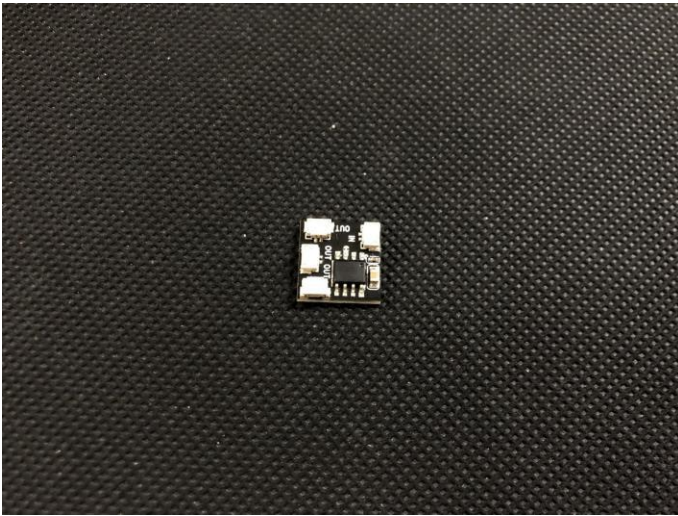
**13.**Lift the following piece to allow the cable thread through the gap to the inside.



**14.**Reconnect the piece we lifted. Repeat the steps we did before to thread the other cable to the inside as per below.



**15.** Take a Flicker Effects Board, connect the cable of the torch#1 and torch#2 to the Flicker Effects Board.



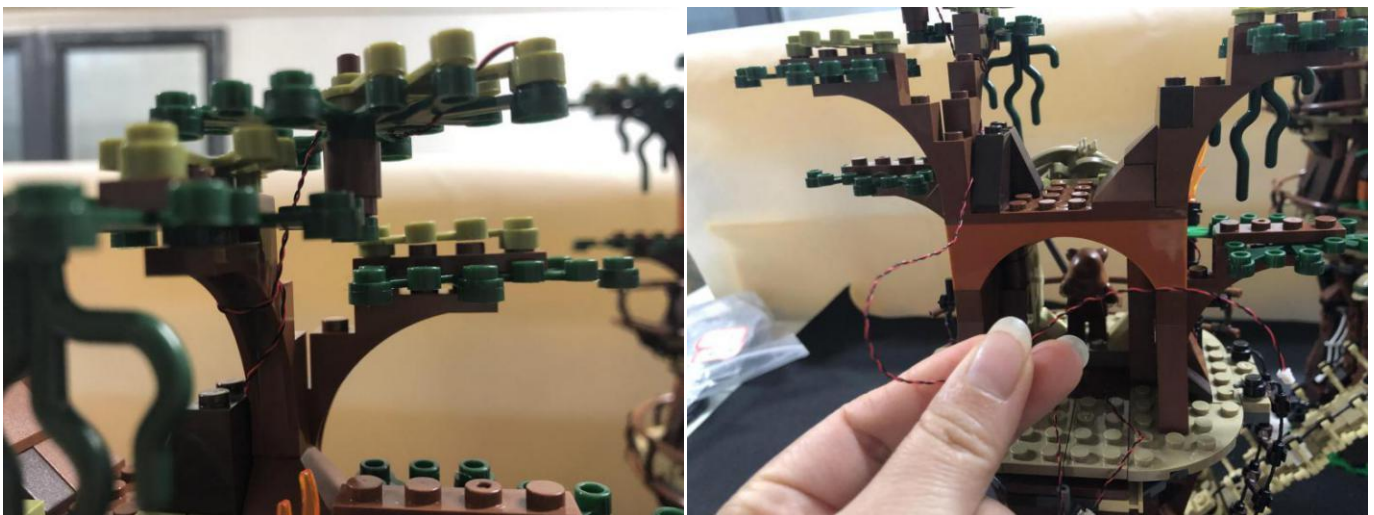
**16.** Take a 30cm green dot light.



**17.** Install the light on the leaf, thread the light through the hole on the leaf, pull the cable out. (Note: you can install the light to any leaf on the tree ).

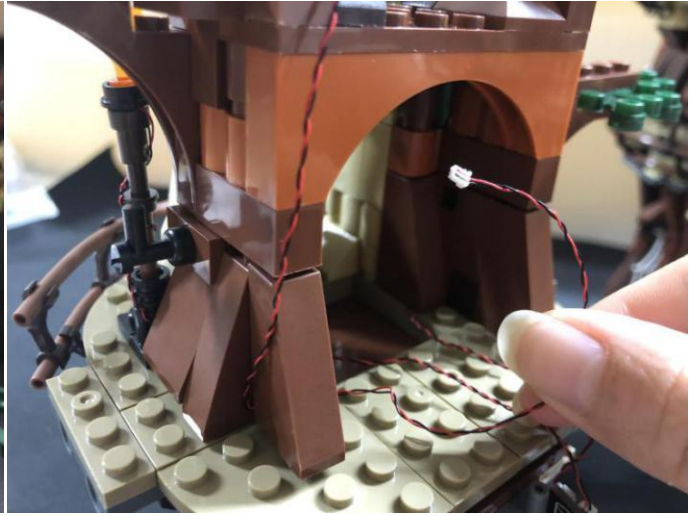
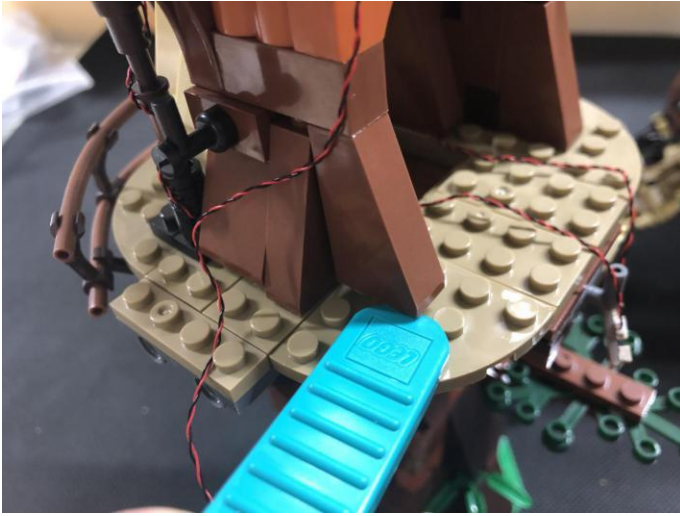


**18.** Tuck the cable around the trunk several times (there's no specific position you need to place the cable at), pull the cable backward.

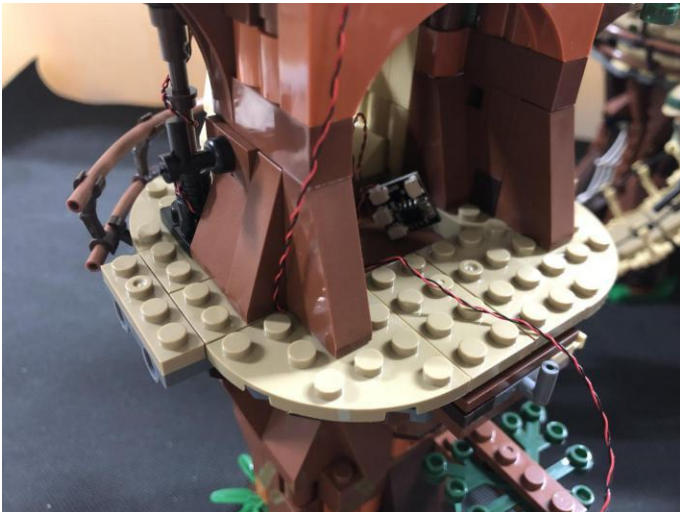




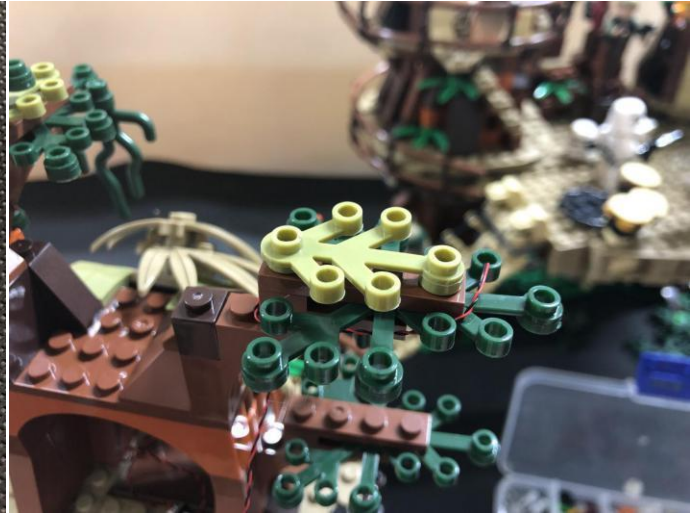
**19.**Lift the following piece, thread the cable of the leaf through the gap, reconnect the piece we lifted.



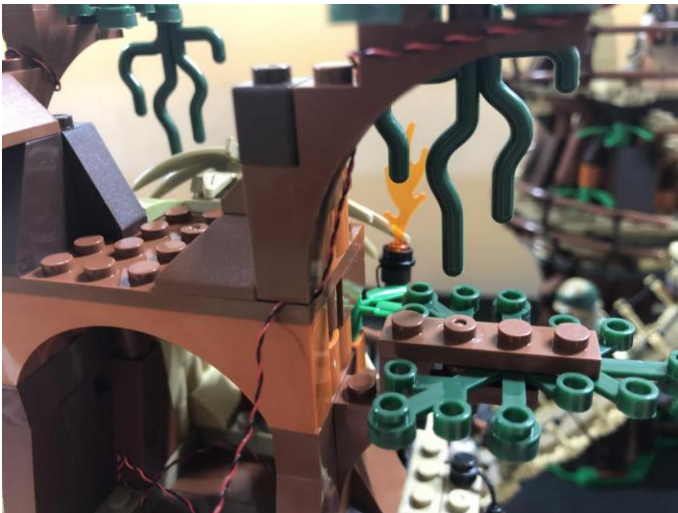
**20**



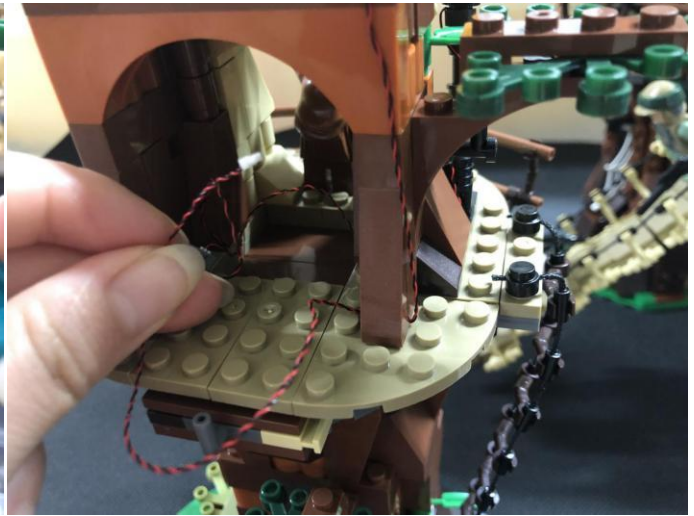
**21. Take a green 30cm dot light to install another light for the leaf (note: you can install it to any leaf).**



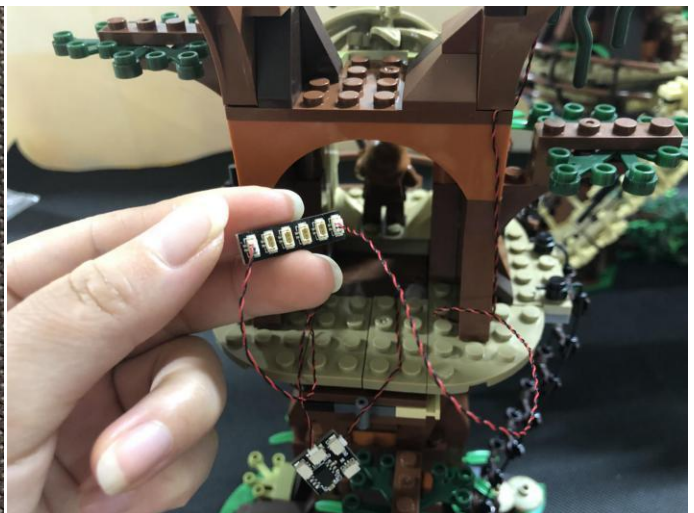
**22. Wind the cable around the trunk twice, then secure it as per below.**



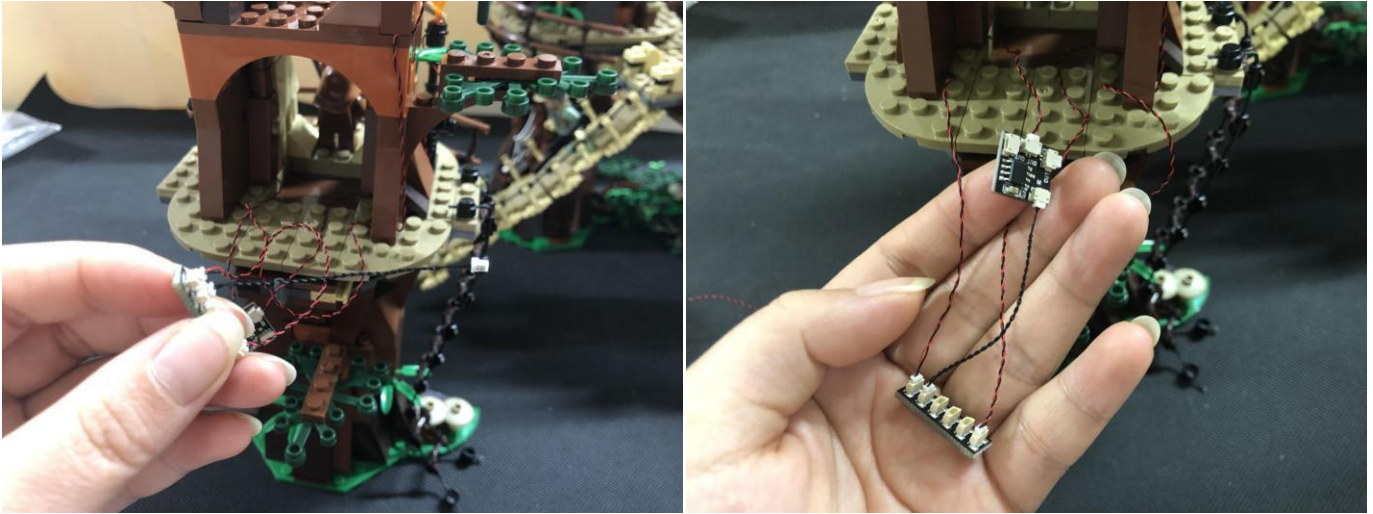
**23.**Lift the following piece to allow the cable thread through the gap as per below.



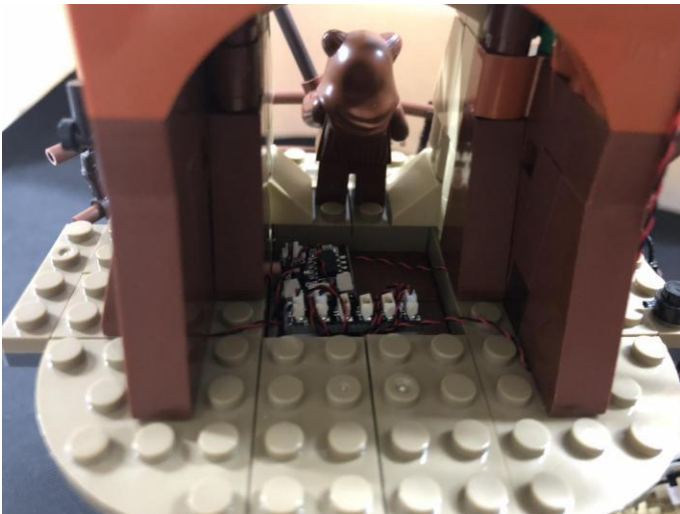
**24.**Take a 5cm connecting cable, a 6-port expansion board, connect the 2 cables from the leaves to the expansion board.



**25. Connect the 5cm connecting cable to the expansion board, connect the other end to the Flicker Effects Board.**



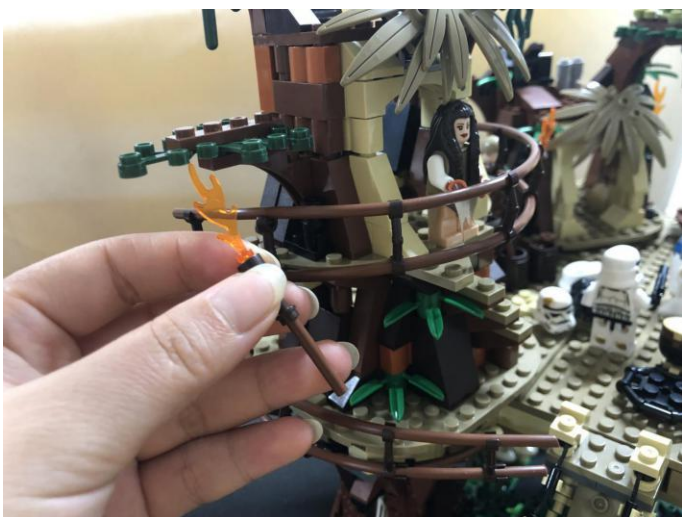
**26. Tuck excess cables, stick the expansion board and the Flicker Effects Board to the following places with the adhesive squares.**



**27.**We'll continue to install lights for the following part.



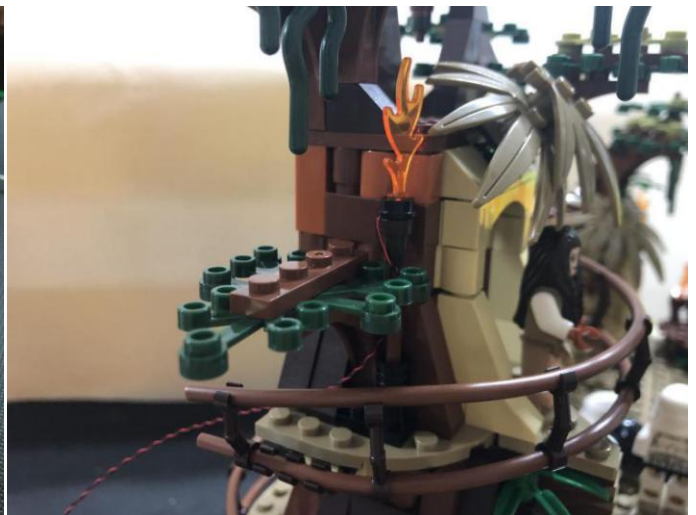
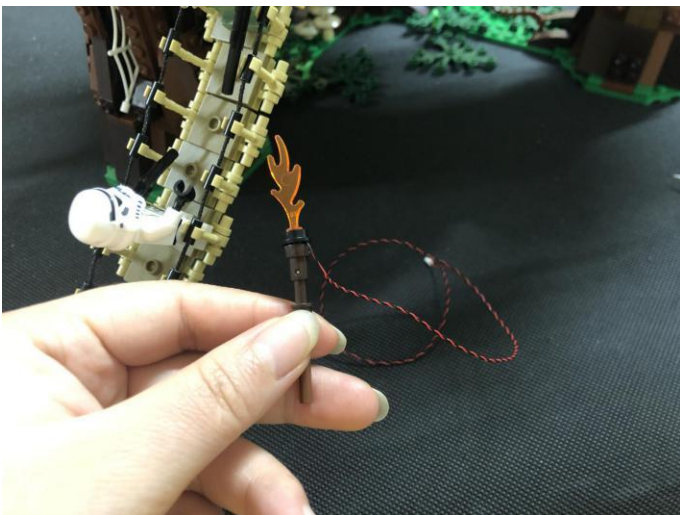
**28.**Remove the torch (torch#3).



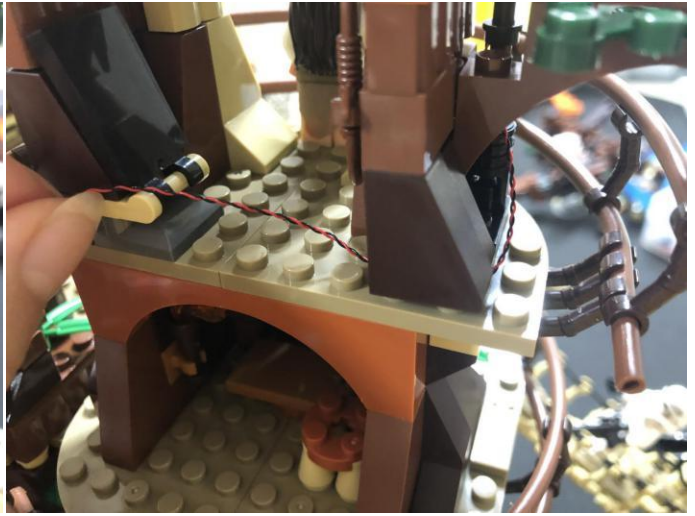
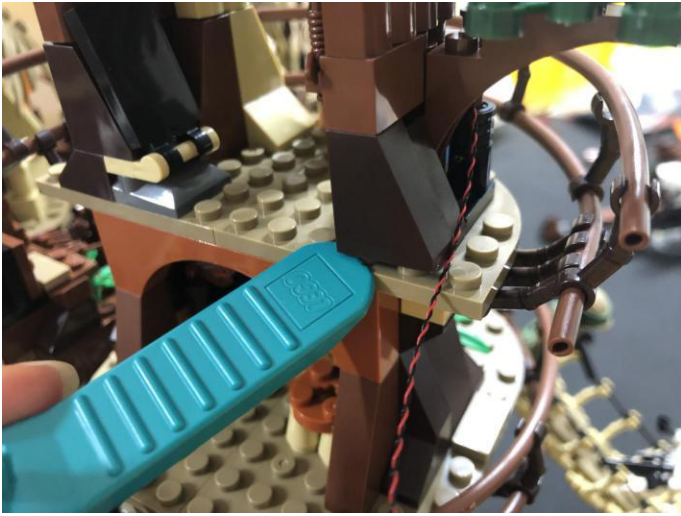
**29.**Take a warm white 30cm dot light, a black 1x1 round plate with hole, repeat the steps we did before for installing torch#1 to install this torch.



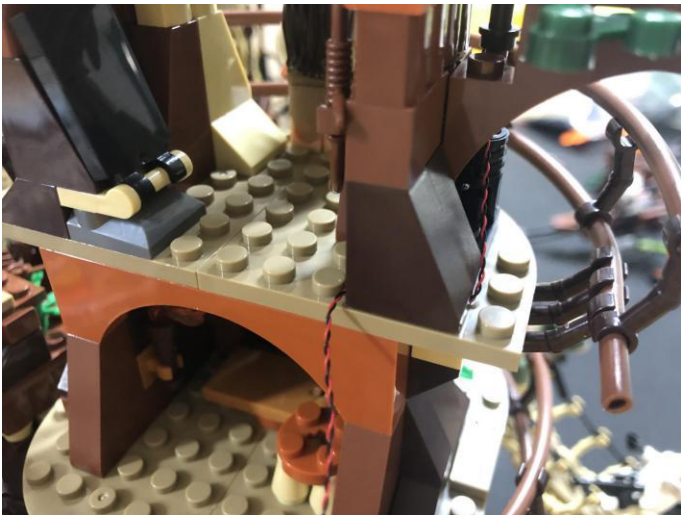
**30.**Reconnect the torch.



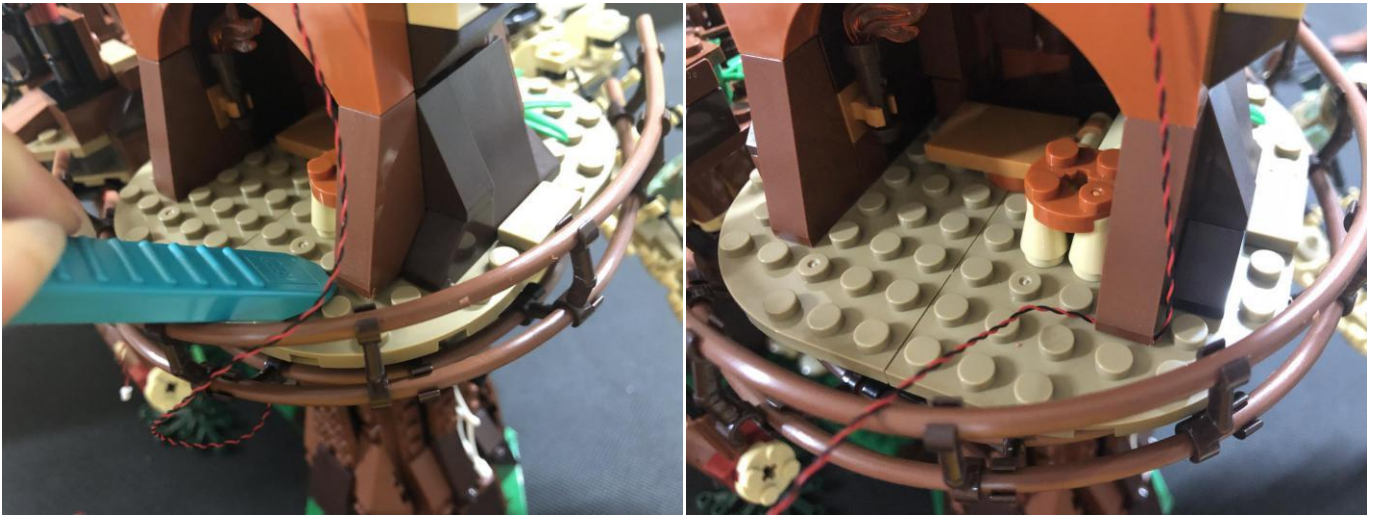
**31.** Lift the following piece, thread the cable of the light through, reconnect the piece we lifted to secure the cable, and pull the cable downward.



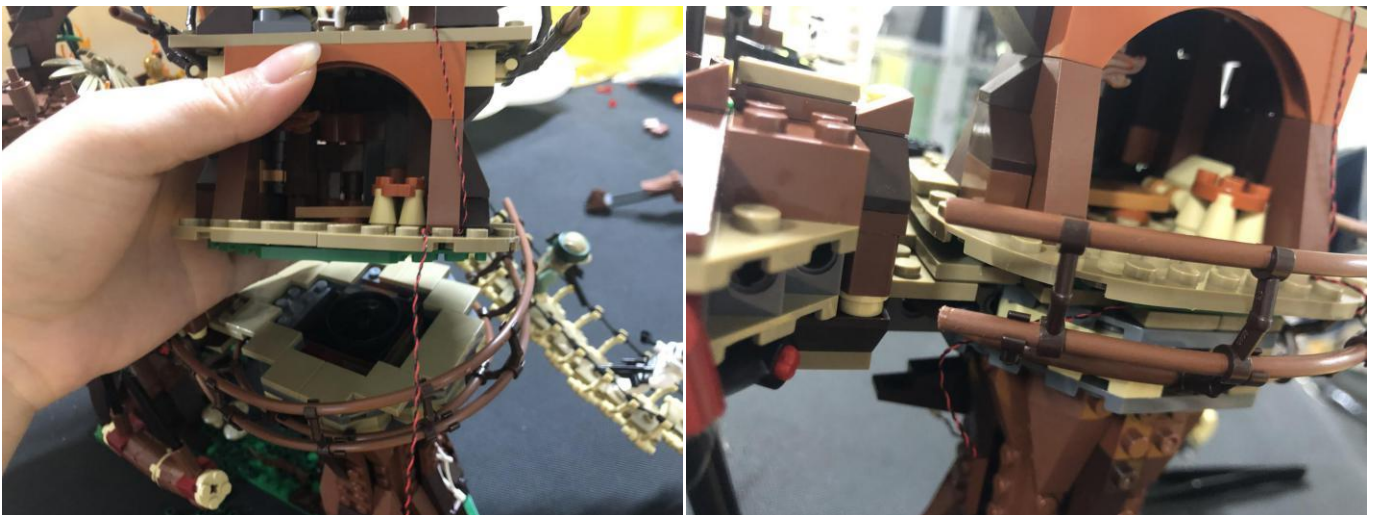
**32**



**33.**Continue to lift the following piece to secure the cable as per below.

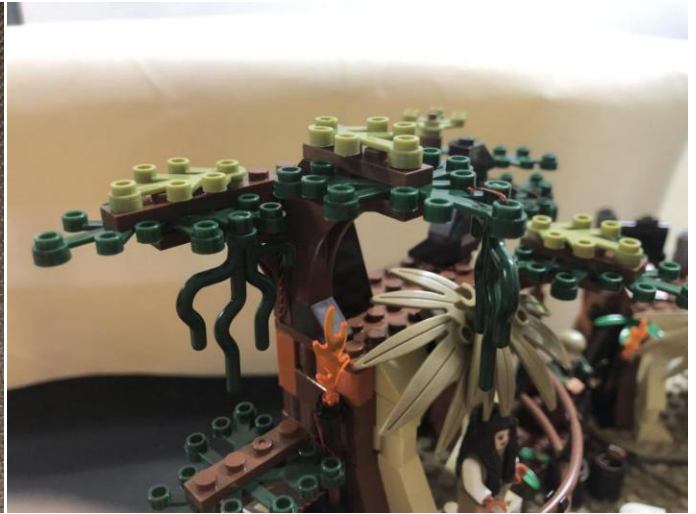


**34.**Disconnect the whole house to hide the cable underneath, and pull the cable out from the left.





**35.** Take 2 green 30cm dot light, connect the 2 lights on the leaves as we did before (note: you can connect them to any leaves).



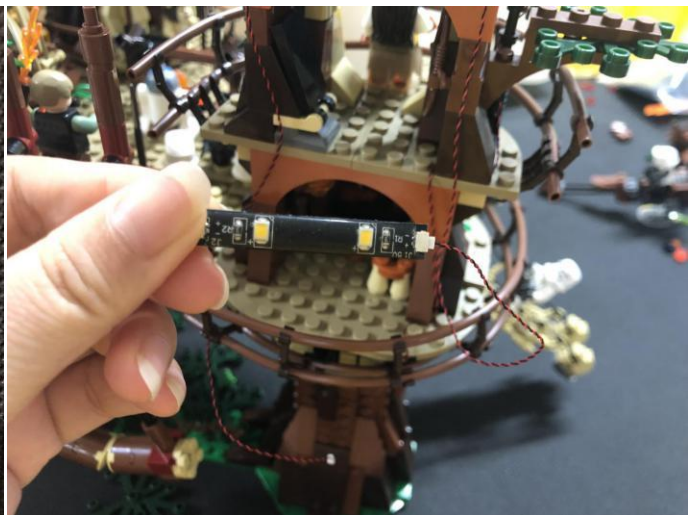
**36**



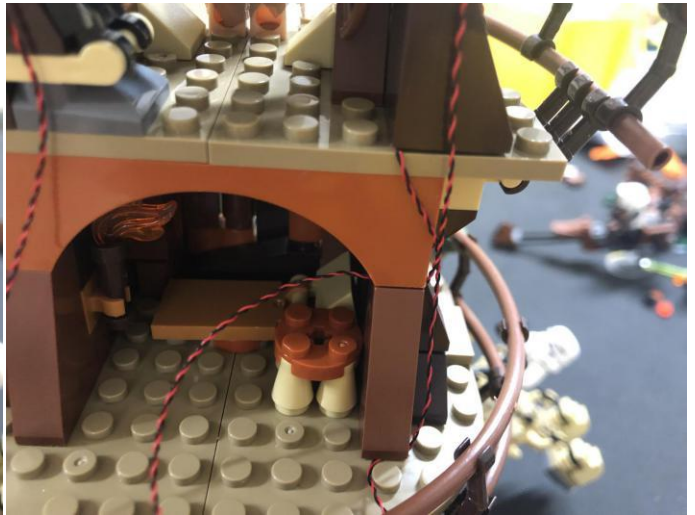
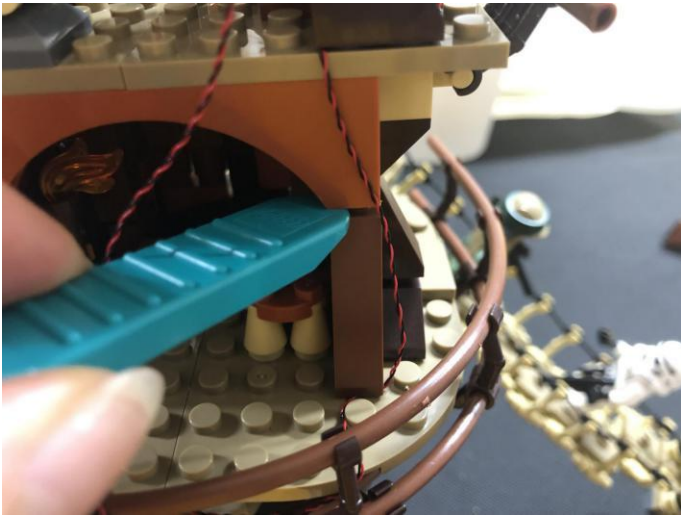
**37.**Tuck the cables around the trunk several times, then, pull them backward, and secure them as per below.



**38.**Take a warm white strip light, connect the cable at from the right side to the strip light.



**39.**Lift the orange door to secure the cable as per below.



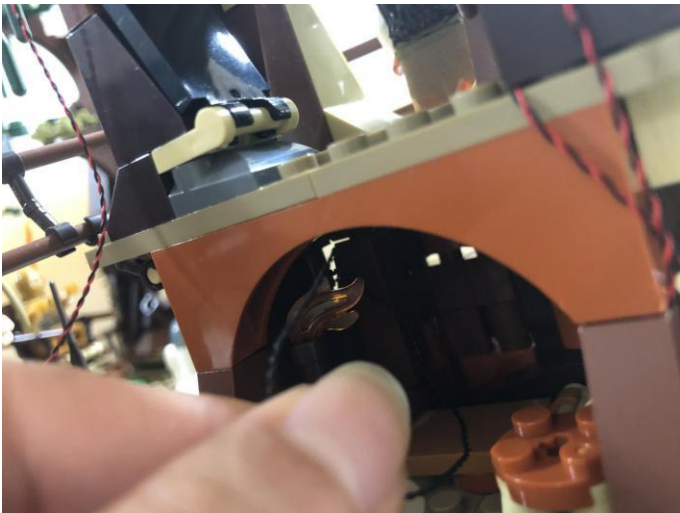
**40.**Take a 15cm connecting cable, connect it to the other end of the strip light.



**41. Stick the strip light to the ceiling of the room with bed inside**



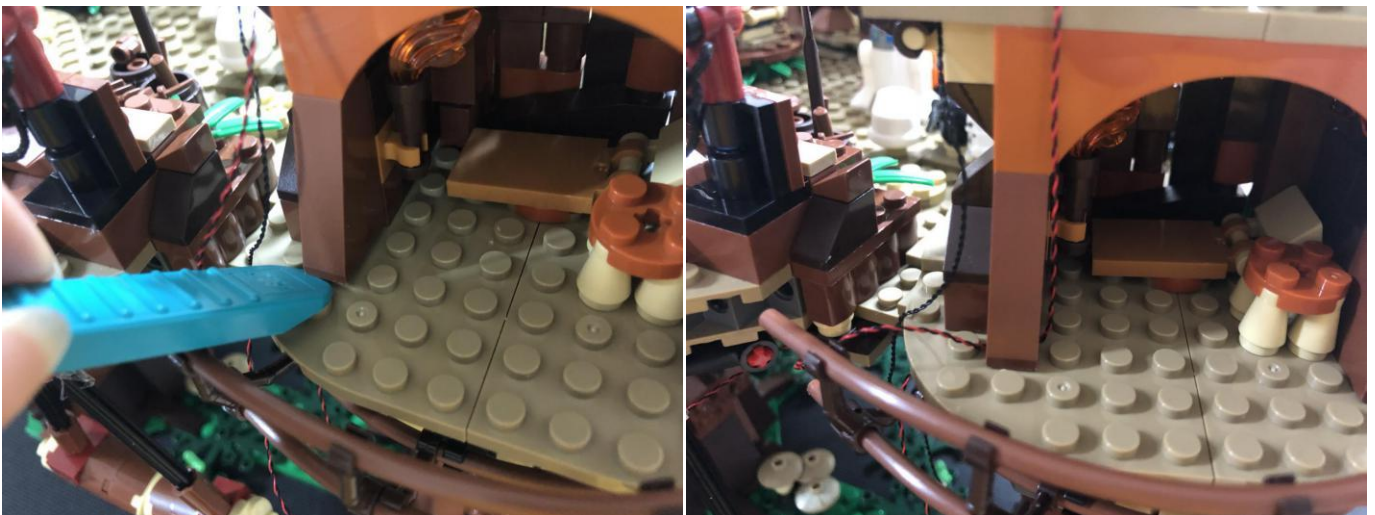
**42. Thread the cables connected to the strip light through the gap at the wall as per below.**



**43. Continue to thread them to the back.**



**44. Lift the following place, thread the cable of the leaf at the left through the gap, reconnect the piece to secure the cables, pull the cables downward.**



**45**



**46.** Take a 8-port expansion board, connect the strip light and the cables of the lights on the leaves to the expansion board.



**47. Turn the whole piece to its side, stick the expansion board to the bottom with adhesive squares.**



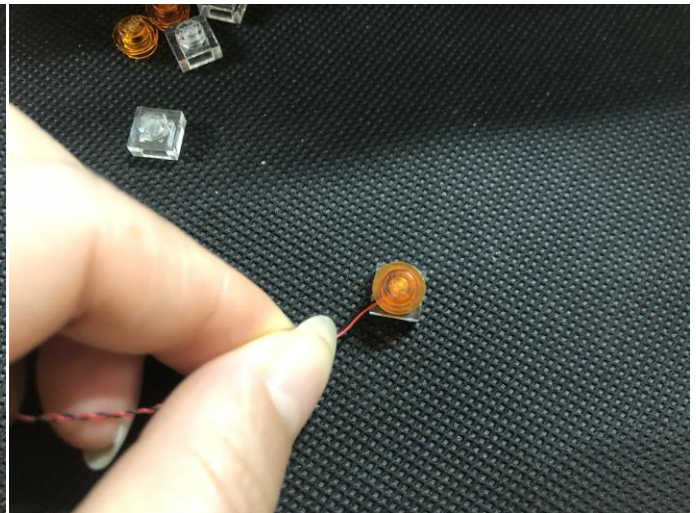
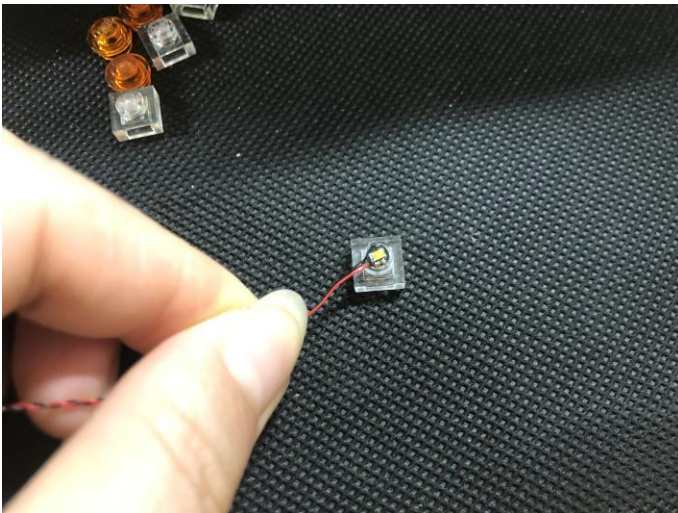
**48. Move onto installing lights for the fire, remove the fire pieces.**



**49.**Take 4 warm white 30cm dot lights, 4 trans orange 1x1 piece, and 4 trans 1x1 pieces.

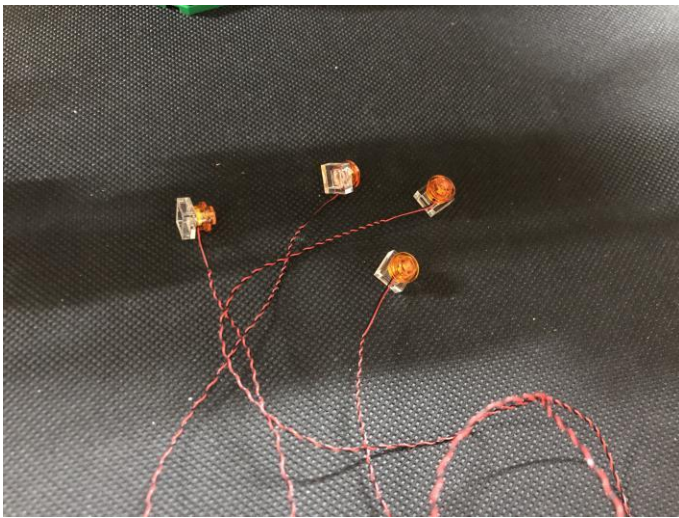


**50.**Take a dot light, with lighting part facing up, connect it to the trans piece, and secure it with the trans orange piece.

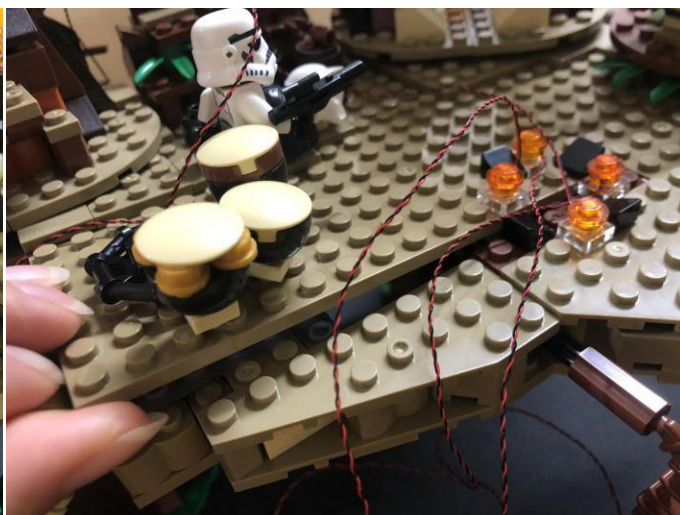




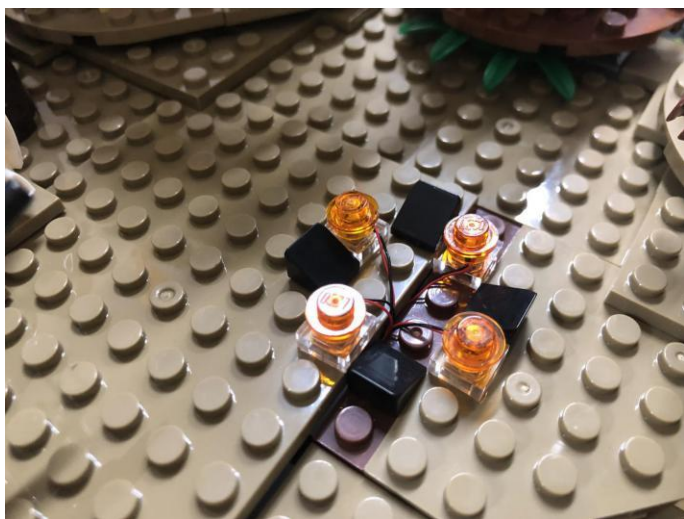
**51.** Repeat the steps above to install the last 3 lights  
Then, connect them to the following places.



**52.** Remove the grill, lift the following plate.



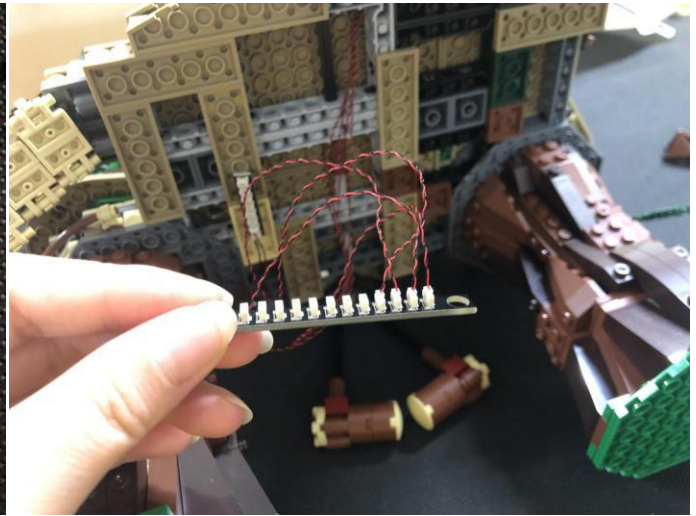
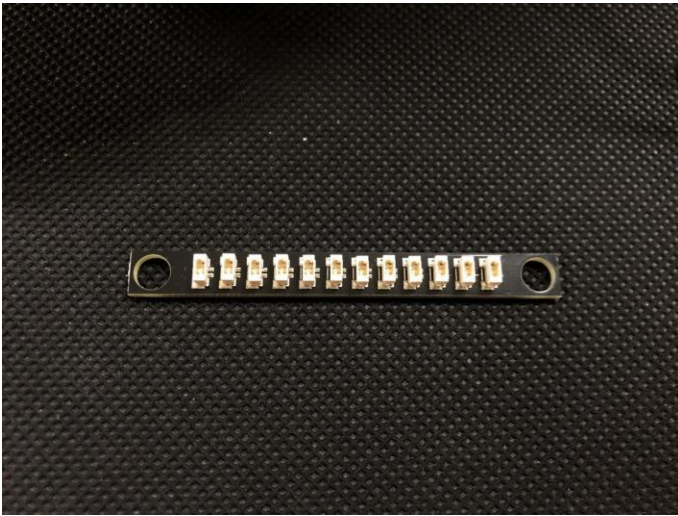
**53. Pull all the 4 cables of the fire lights to the bottom, reconnect the base plate.**



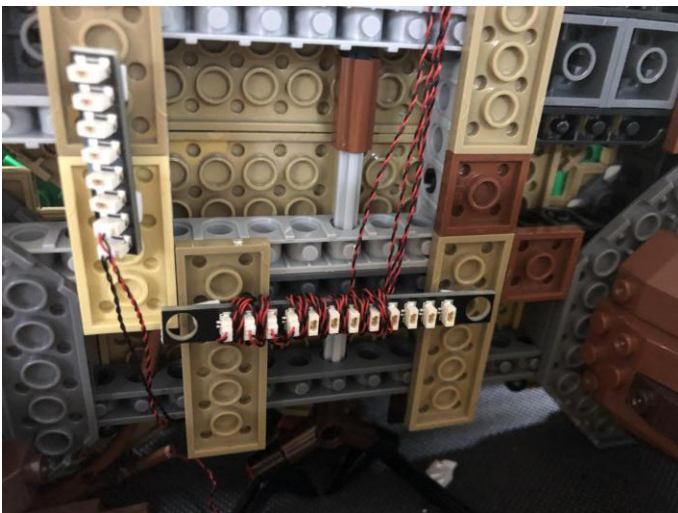
**54. Reconnect the fire and the grill as per below.**



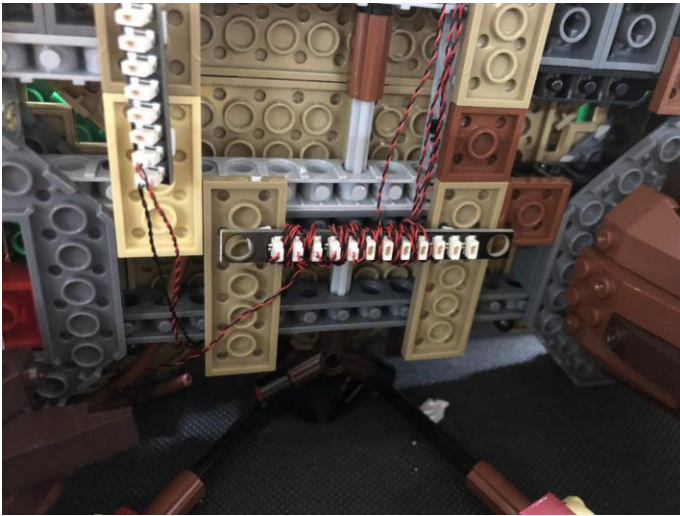
**55.** Take a 12-port expansion board, connect the 4 cables of the fire lights to the expansion board.



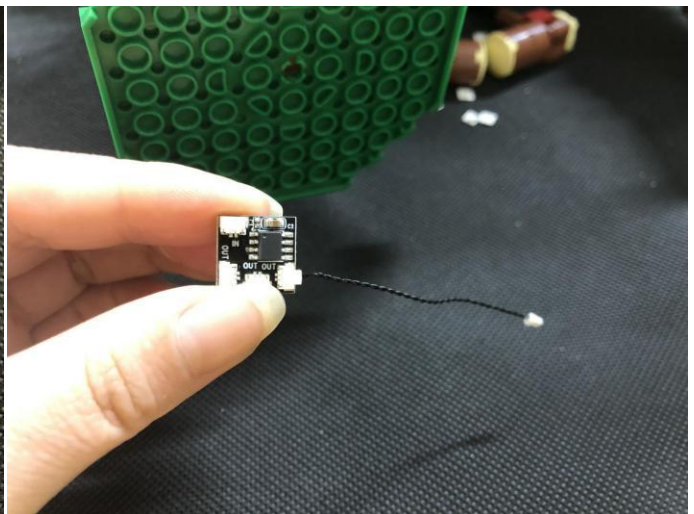
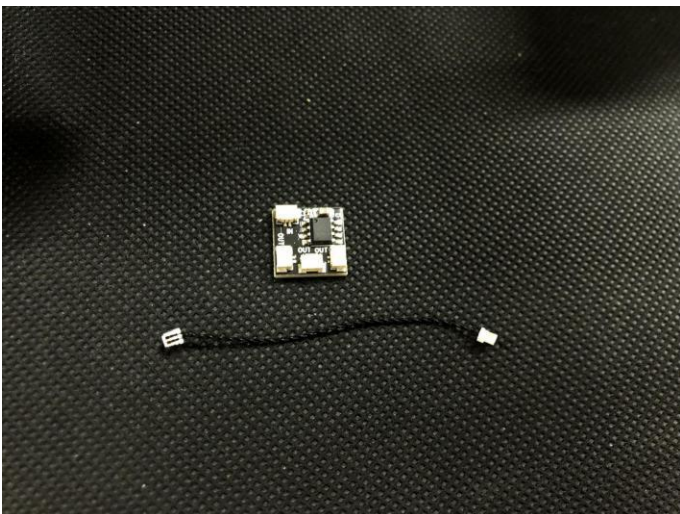
**56.** Tuck excess cables, stick the expansion board to the bottom with adhesive squares.



**57. Connect the cable of the torch#3 to the 12-port expansion board.**



**58. Take a Flicker Effects Board, a 5cm connecting cable, connect the connecting cable to the Flicker Effects Board (note: do not connect it to the port for the power).**



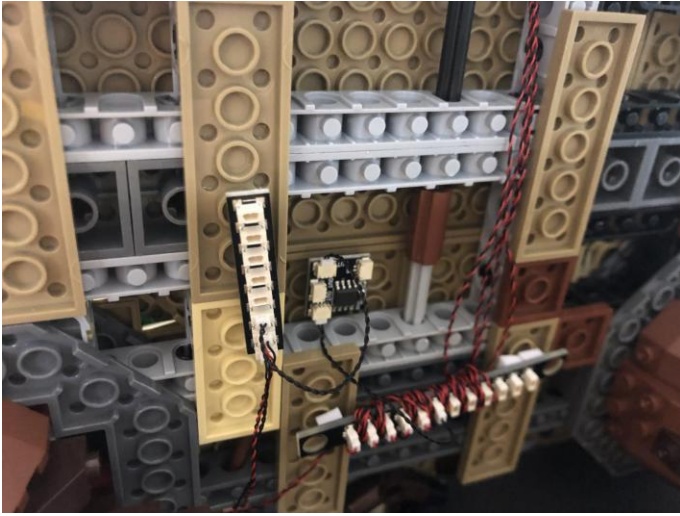
**59.** Connect the other end of the connecting cable to the 12-port expansion board.



**60.** Take a 5cm connecting cable, connect it to the following port.



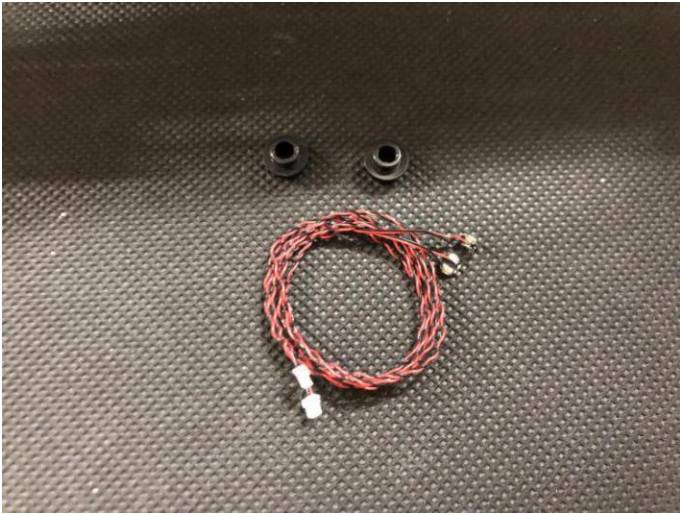
**61. Connect the other end of the connecting cable to the 8-port expansion board.**



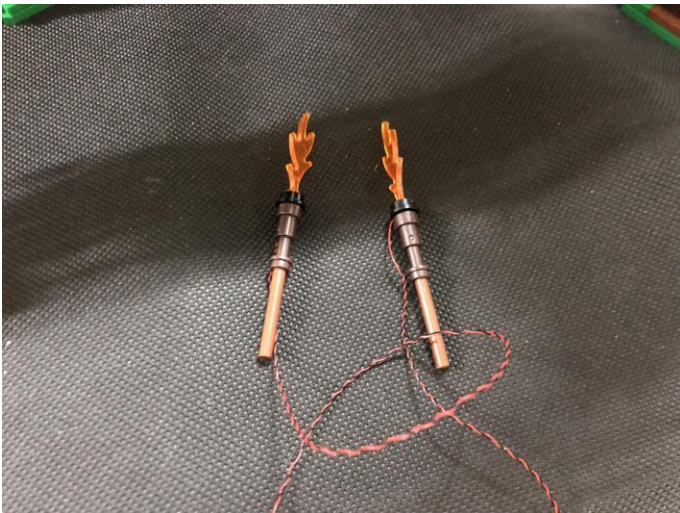
**62. We will now install lights for the wooden house at the far right, remove the 2 torches (torch#4, torch#5) from the door.**



**63.**Take 2 warm white dot lights, 2 black 1x1 round plates with hole, repeat the steps we did before for installing torch#1 to install torch#4, torch#5.



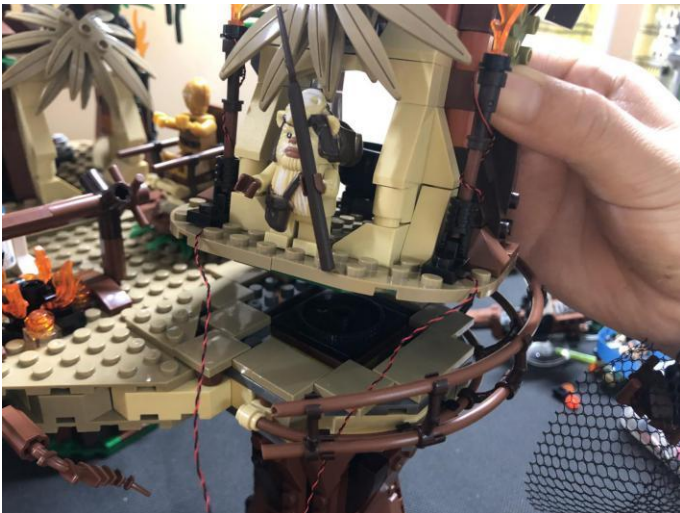
**64.**Reconnect the torches as per below.



**65. Secure the cables with the bases of the torches.**



**66. Lift the whole house, thread the cables of the torches through the following space and pull them out from the bottom.**

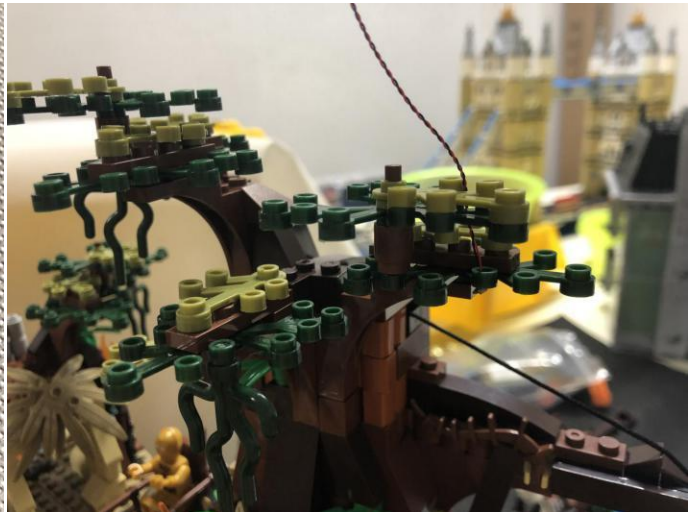




## 67.Reconnect the house.



## 68.Take a green 30cm dot light, install it to the leaf (note: you can install it to any leaf).



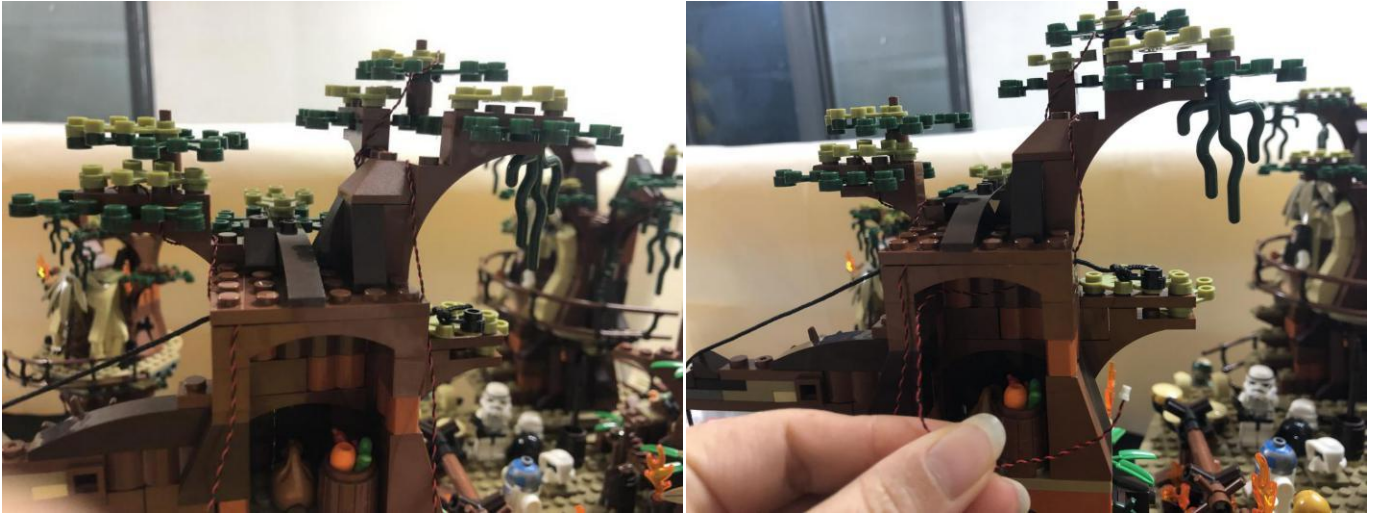
**69.**Wind the cables around the trunk several time, lift the following piece to secure the cable, pull the cable backward.



**70.**Take a green 30cm dot light, install it to a leaf at the other side (note: also you can install it to any leaf).



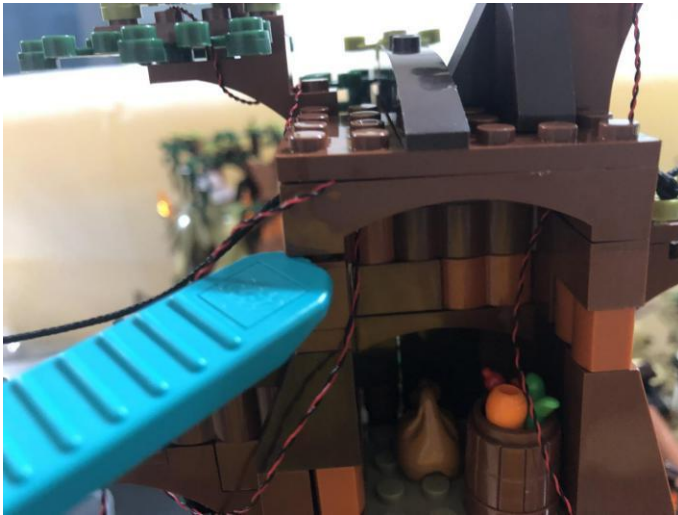
**71. Thread the cable of the light to the inside from the side of the house as per below.**



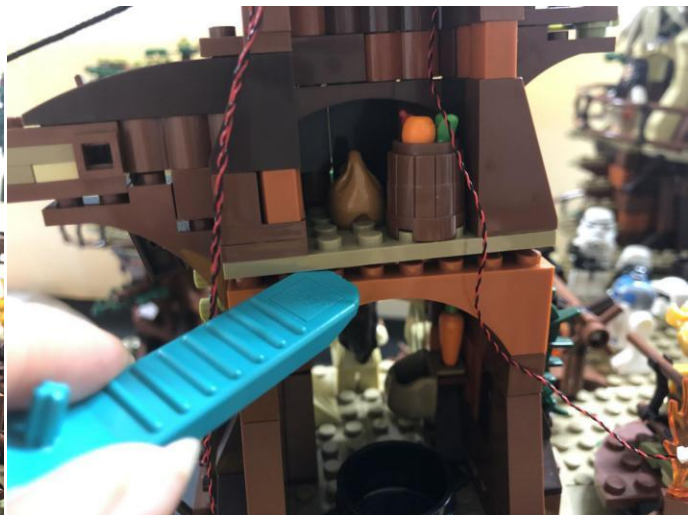
**72. Take a warm white 15cm dot light, a trans 2x2 piece, install the light to the ceiling of the second floor.**



**73. Lift the following brown door to secure the cable.**



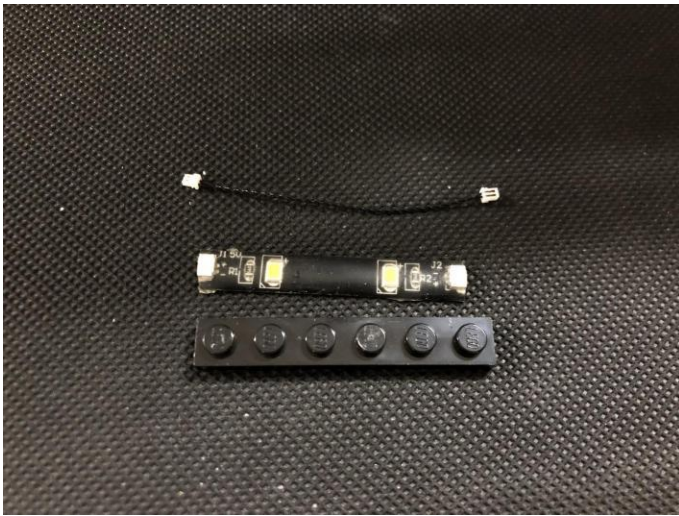
**74. Group the cables at the left side together, lift the second floor as per below.**



**75. Thread the 2 cables to the inside.**



**76.** Take a 5cm connecting cable, a warm white strip light, a 1x6 piece (with any colour), stick the strip light to the 1x6 piece.



**77.** Connect the connecting cable to the strip light, connect the cable from the light we installed before to the other end of the strip light.



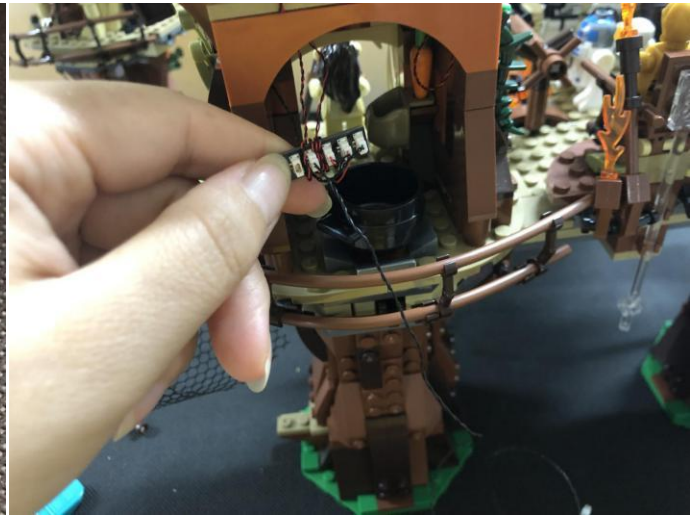
**78. Connect the strip light to the ceiling of the first floor.**



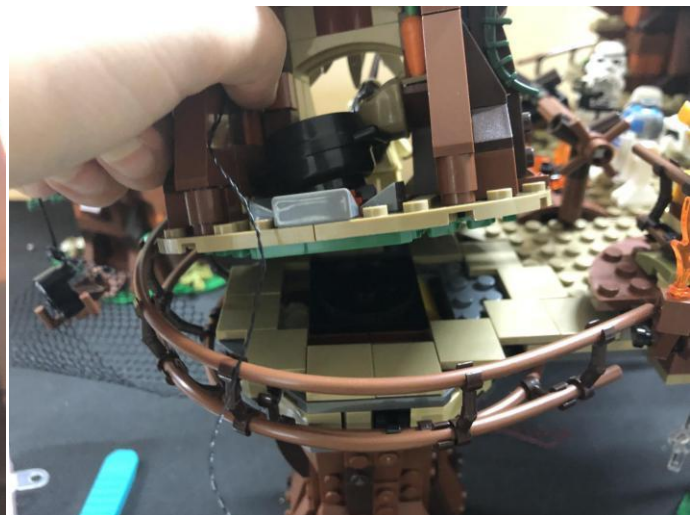
**79. Take a 6-port expansion board, connect the cables of the strip lights and the dot lights to the expansion board.**



**80.**Take a 30cm connecting cable, connect it to the 6-port expansion board.



**81.**Stick the expansion board to the ceiling with adhesive squares. Lift the house as per below.



**82.** Thread the cable through the following space, pull them out from the bottom, reconnect the house.

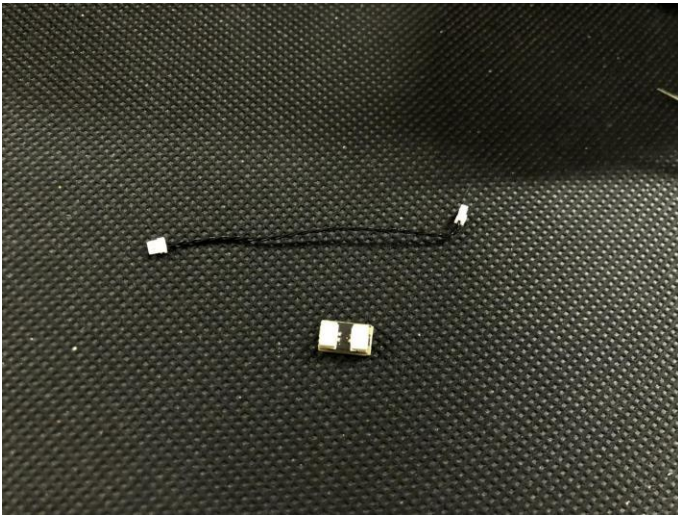


**83.** Turn the house to its side, connect the cables of torch#4, torch#5 to the Flicker Effects Board and the 12-port expansion board.

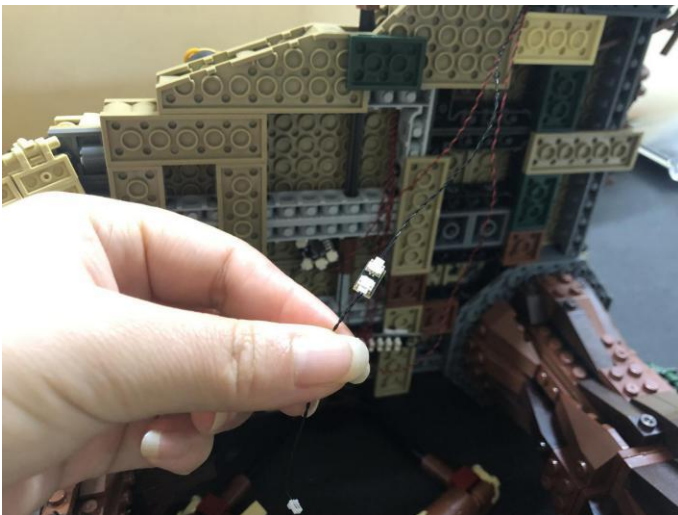




**84.** Take a 5cm connecting cable, a 2-port expansion board, connect the cable to the expansion board.



**85.** Connect the connecting cable mentioned before to the 2-port expansion board, connect the 5cm connecting cable from the 2-port expansion board to the 8-port expansion board.



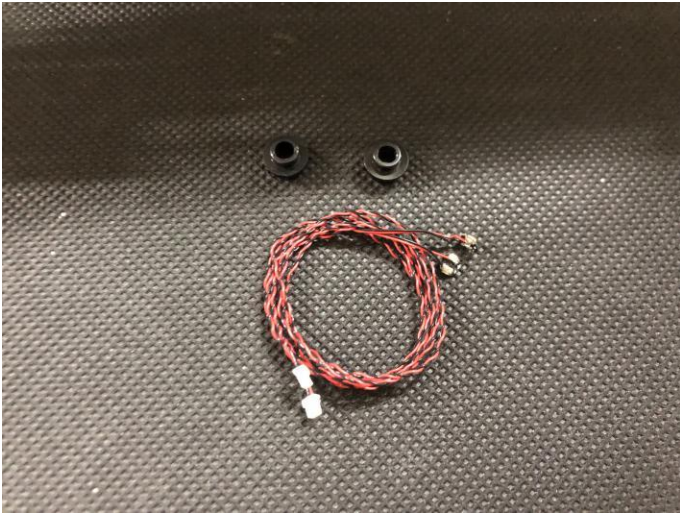
**86.** Now, continue to install lights for the torches at the back of the chair, turn to the back of the chair.



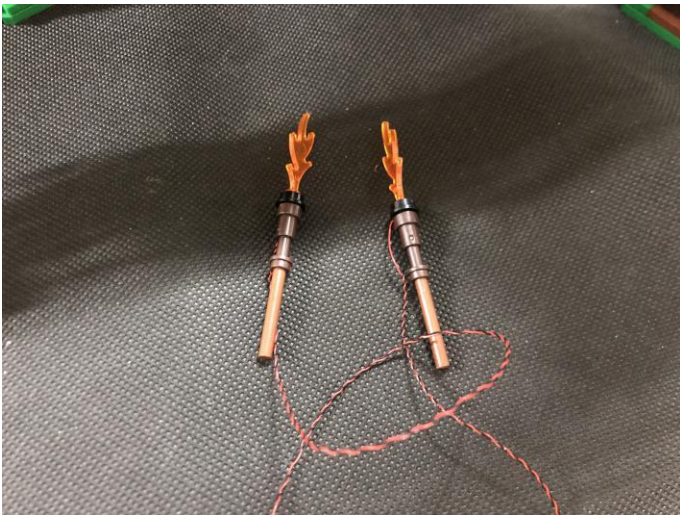
**87.** Remove the 2 torches (torch#6, torch#7).



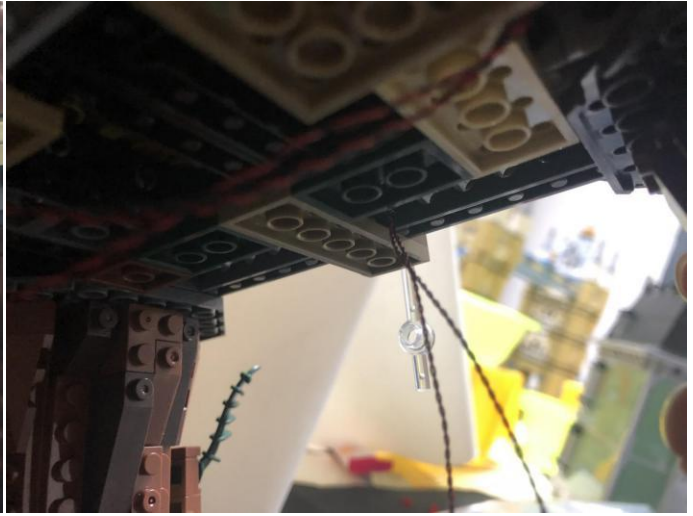
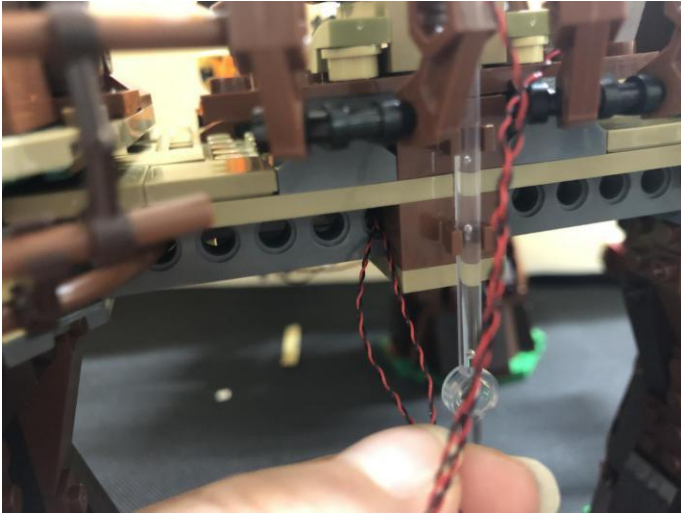
**88.**Take a warm white 30cm do t light, 2 black 1x1 round plate with hole, follow the steps we did before for installing the torch#1 to install torch#7, torch#8.



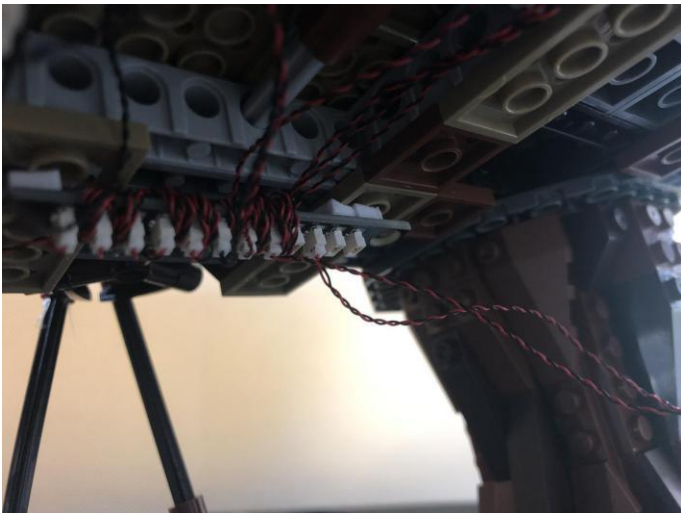
**89.**Reconnect the torches.



**90.** Thread the cables of the lights through the following piece.



**91.** Connect the cables from the 2 torches to the 12-port expansion board.



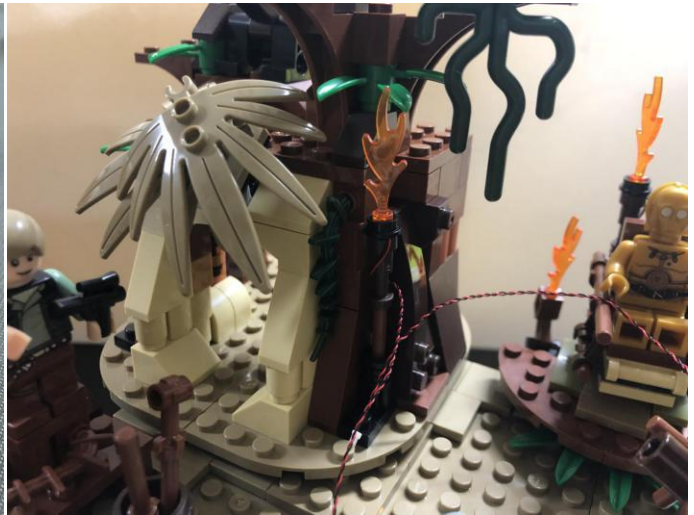
**92.**Now, we'll install lights for the last wooden house, remove the torch(torch#8).



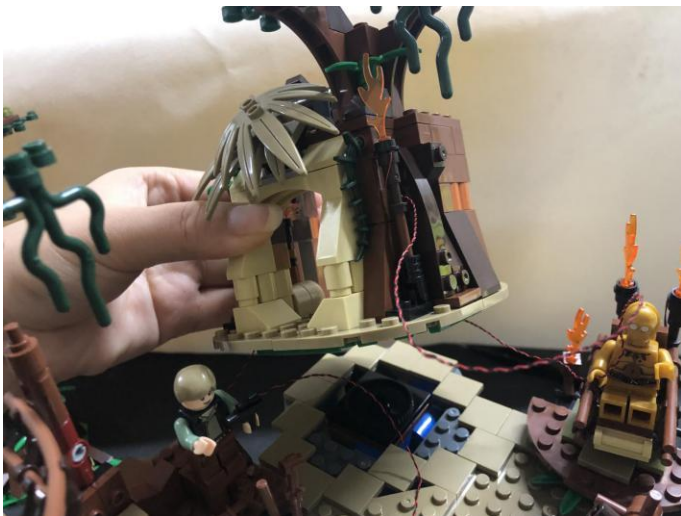
**93.**Take a warm white 30cm dot light, a black 1x1 round plate with hole. Repeat the steps we did for installing torch#1 to install torch#8.



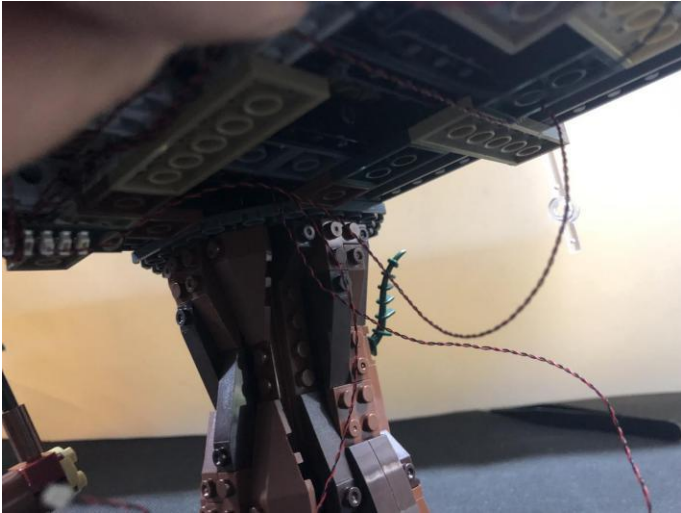
**94. Install the light as per below, reconnect the torch.**



**95. Take a warm white 30cm dot light, a black 1x1 round plate with hole, repeat the previous steps to install the torch#9  
Lift the house thread the cable of the torch and pull it out from the bottom.**



96



97. Move onto install lights for the fire.

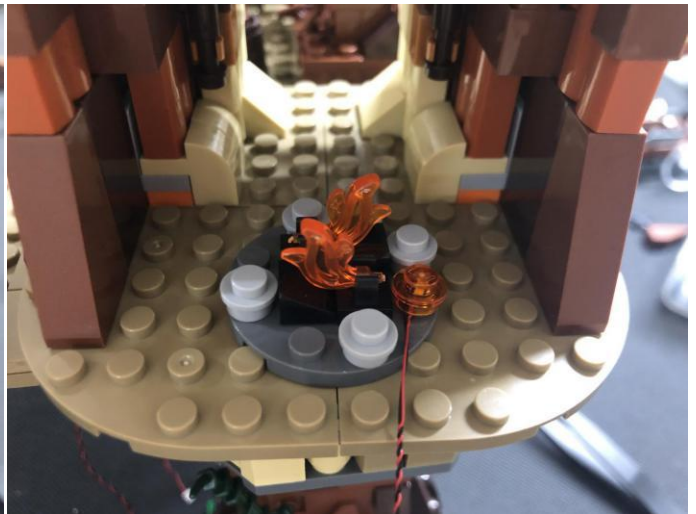
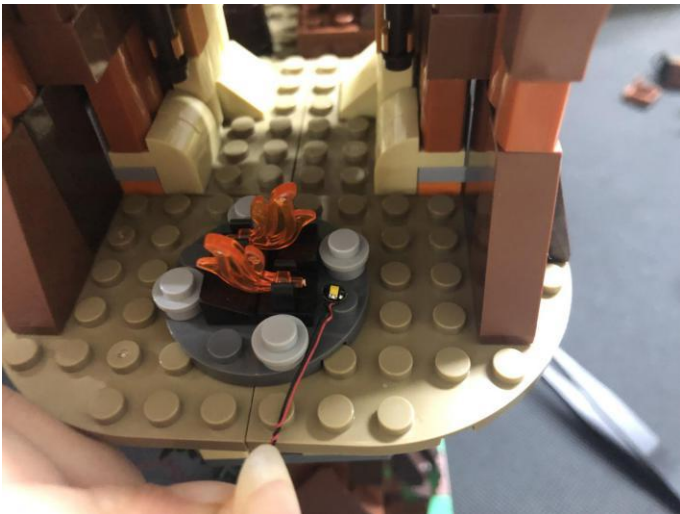


**98.** Take 2 warm white 30cm dot lights, 2 trans orange 1x1 pieces.

With lighting part facing up, connect the light to the following place, secure it with the trans orange piece.

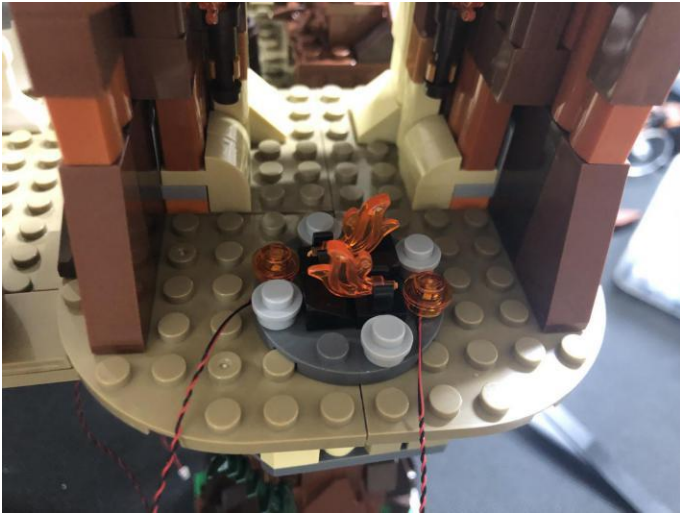


**99**





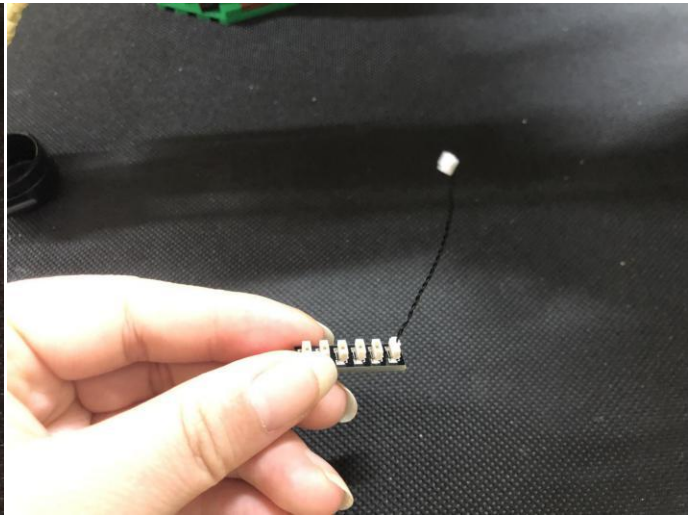
**100.** Repeat the steps above to install the other light, lift the house to allow the cable thread through the following space, and pull it out from the bottom.



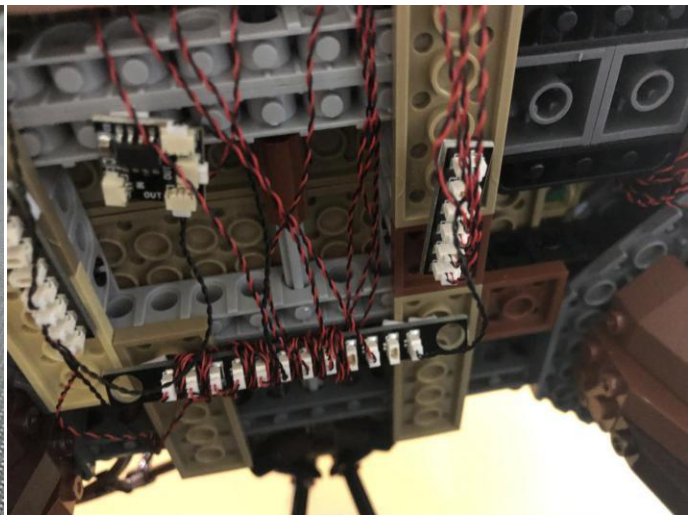
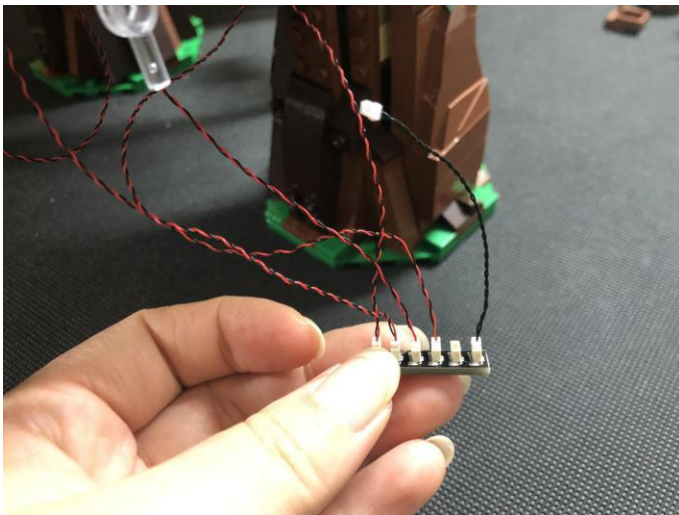
**101**



**102.** Take a 5cm connecting cable, a 6-port expansion board, connect the connecting cable to the expansion board.



**103.** Connect the cables from the fire to the expansion board, stick the 6-port expansion board to the bottom, and connect the connecting cable on the 6-port expansion board to the 12-port expansion board.



**104.** Take 2 green 30cm dot light to install lights for the leaves (note: you can install them on any leaves).



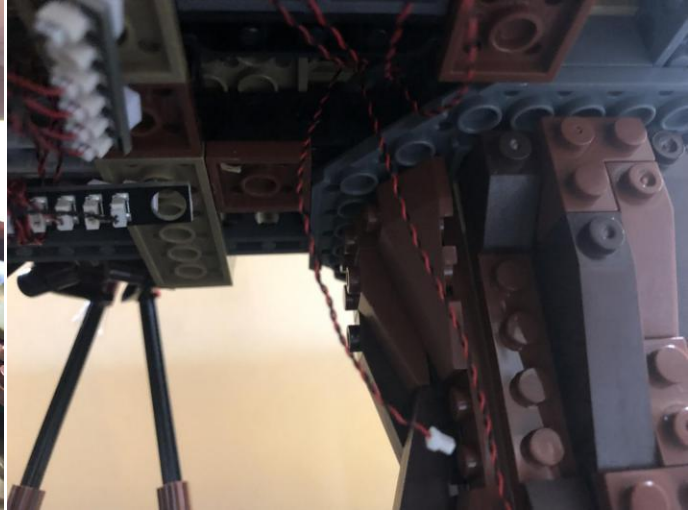
**105**



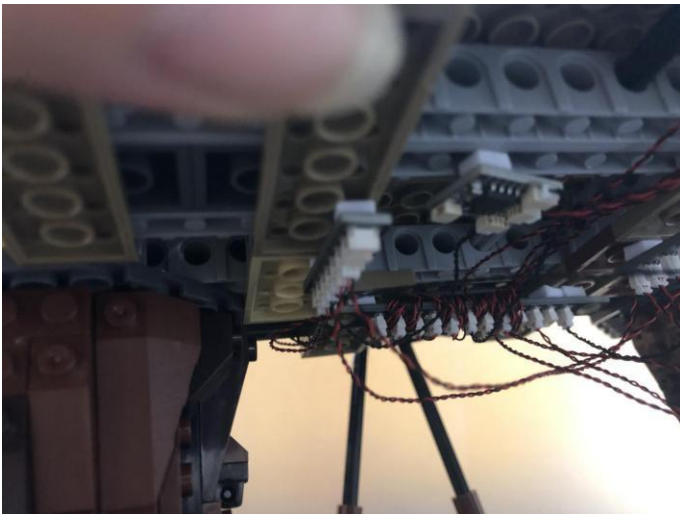
**106**



**107.**After installation of the leaves, lift the wooden house to allow the cables thread through the following space and pull them out from the bottom, then, connect them to the 8-port expansion board.



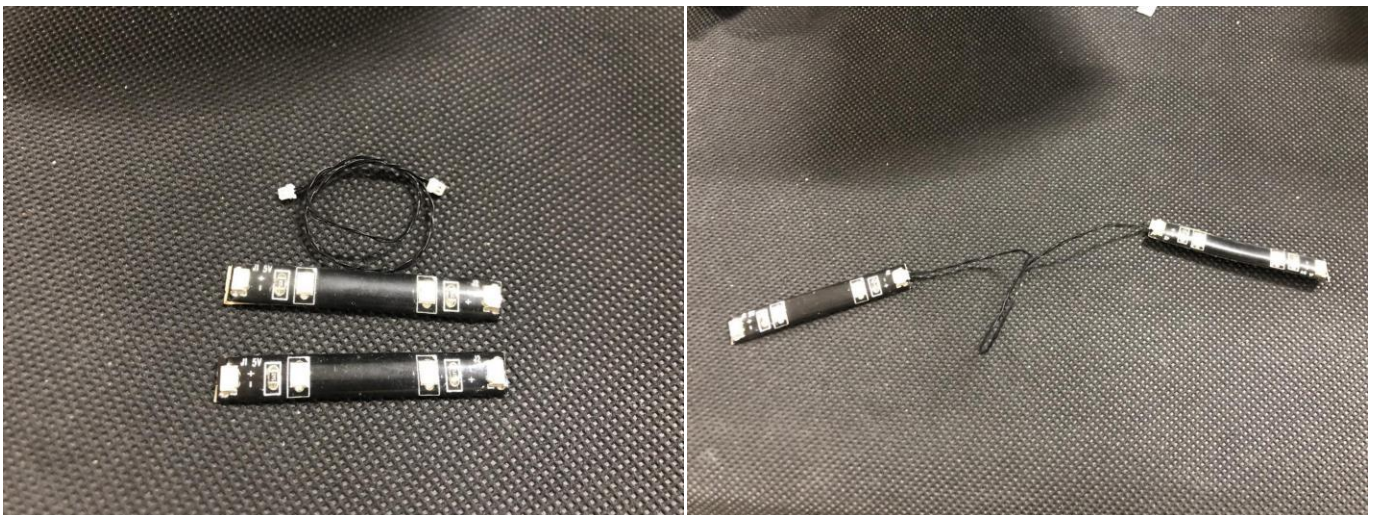
**108**



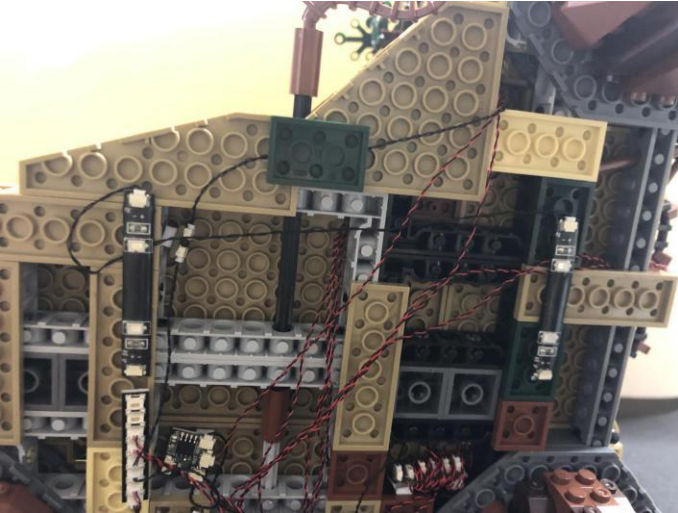
**109.** Turn the house to its side, tuck excess cables as per below.



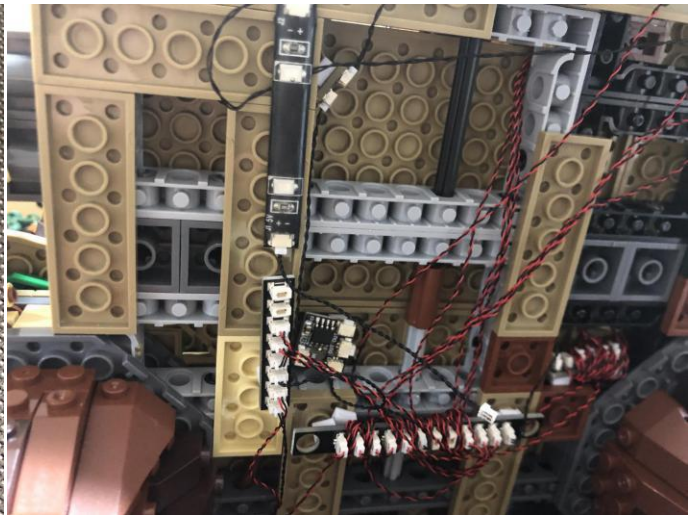
**110.** Take 2 green strip lights, a 15cm connecting cable. Assemble them as per below.



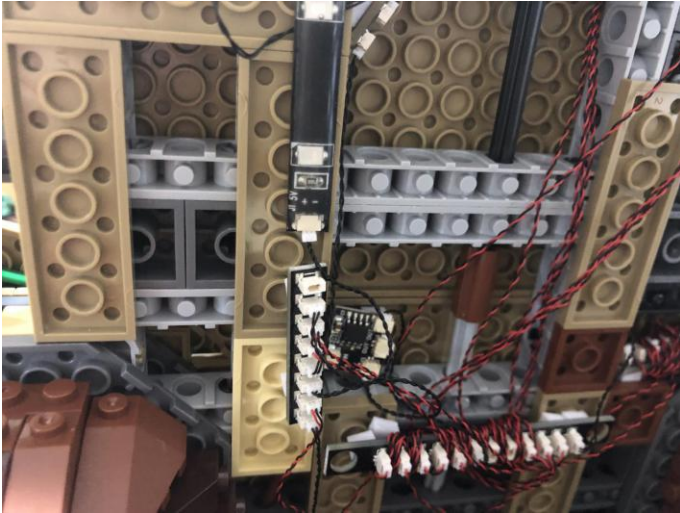
**111. Stick the strip lights to the bottom as per below.**



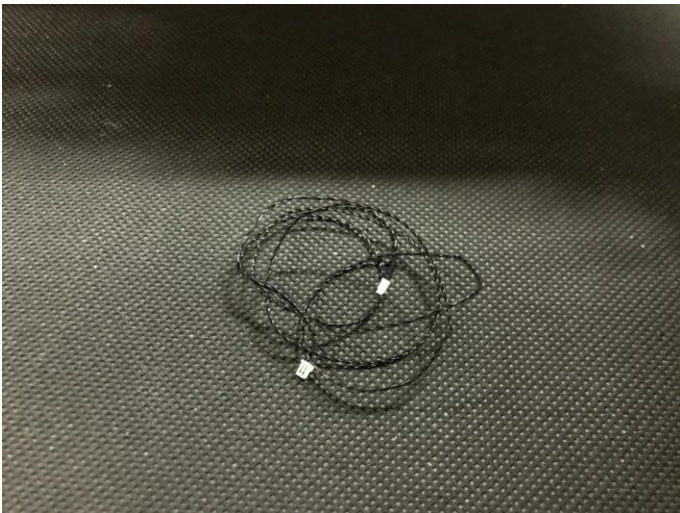
**112. Take a 5cm connecting cable, connect one end of the connecting cable to the strip light, the other end to the 8-port expansion board.**



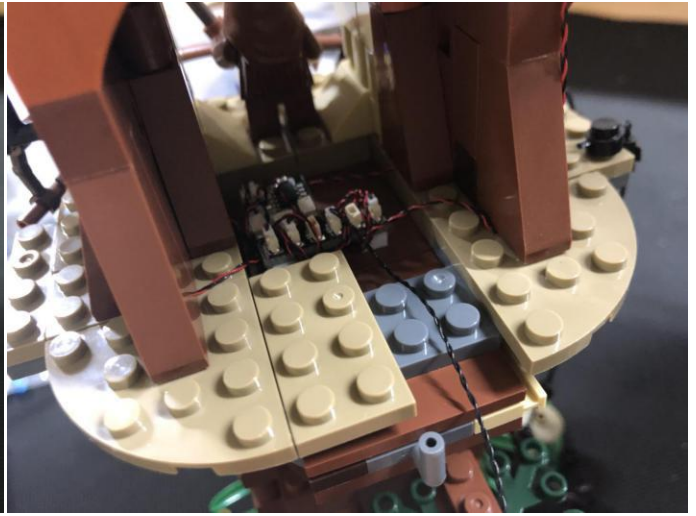
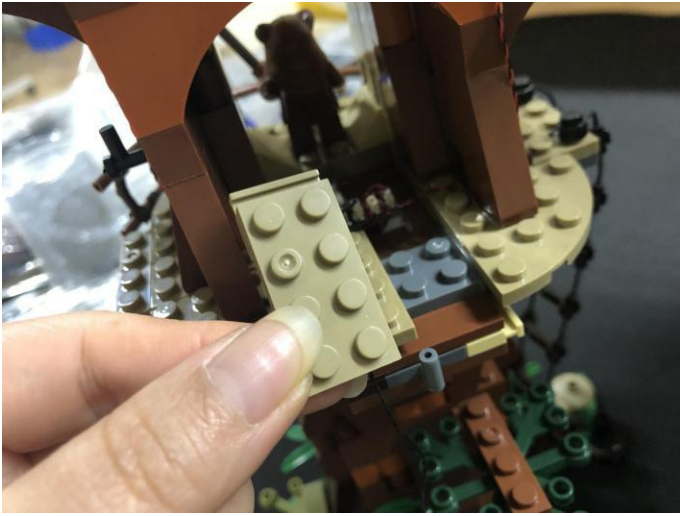
**113**



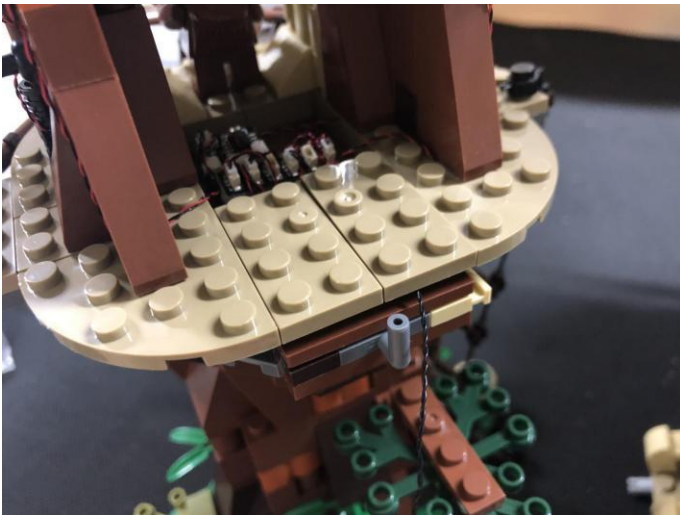
**114.** Take a 50cm connecting cable, connect the connecting cable to the expansion board at the first wooden house we installed.



**115.** Remove the following piece to allow the connecting cable thread through the following space, reconnect the piece to secure the cable.

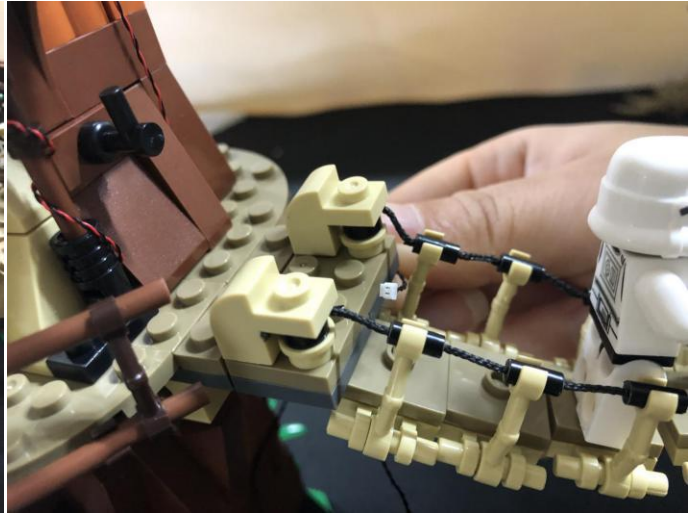


**116**





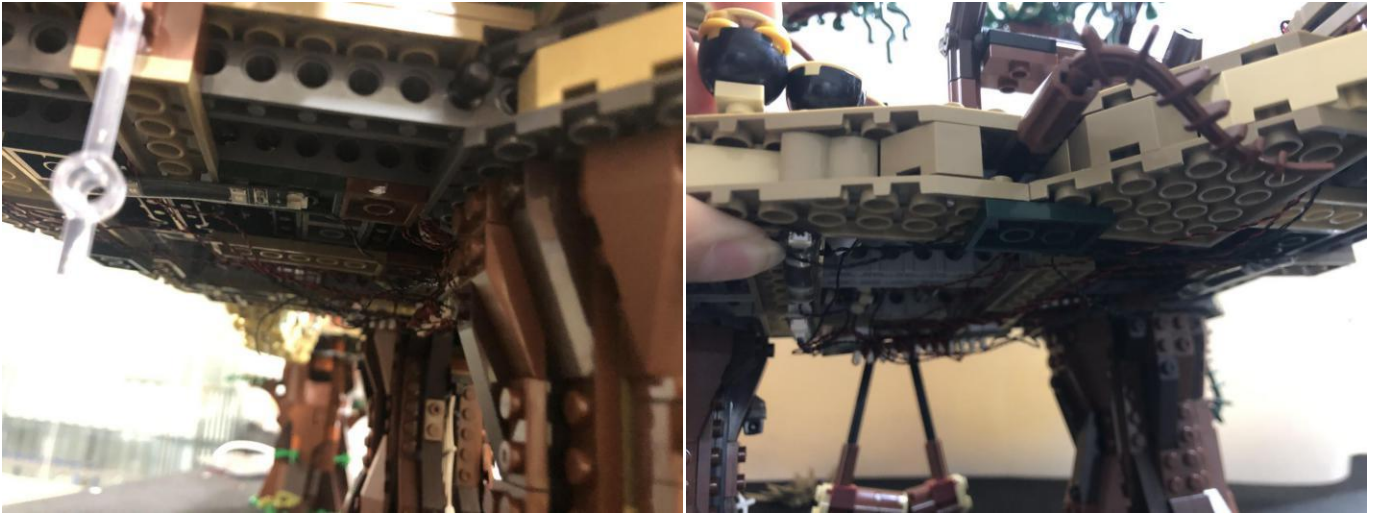
**117.**Reconnect the bridge we removed before, place the cable alongside the bridge as per below.



**118**



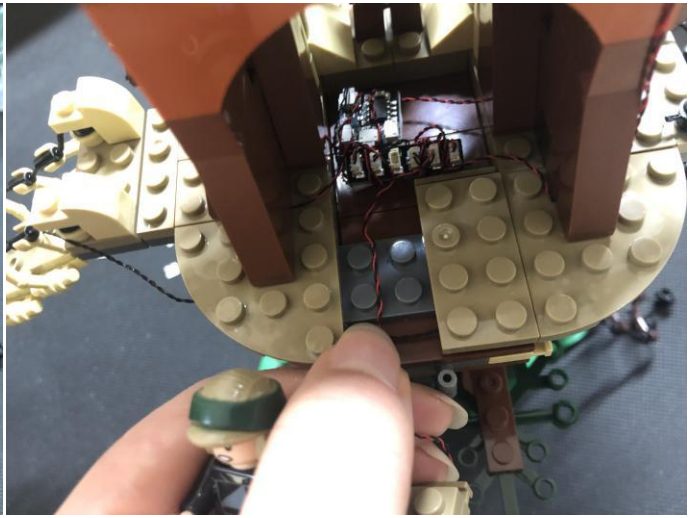
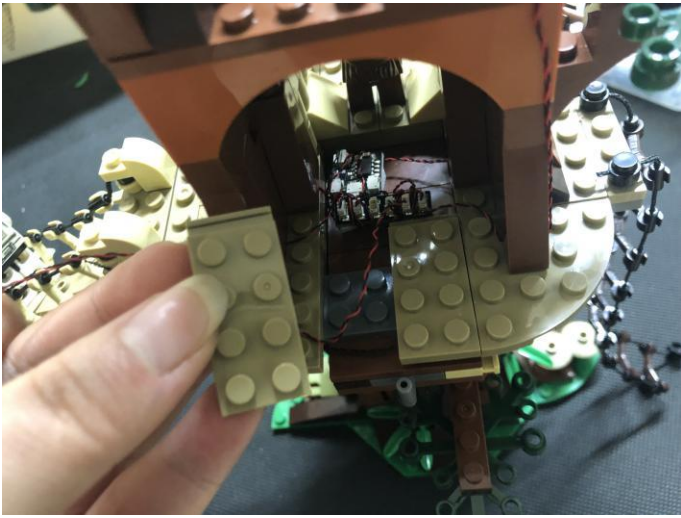
**119.** Connect the connecting cable to the spare port of the following strip light, secure the cable with the dark green piece.



**120.** Connect the cable from the laser sword to the first expansion board as per below.



**121.**remove the following piece, place the cable as per below, reconnect the piece to secure the cable.



**122**



**123.**place the doll at the following position.



**124.** Take the USB cable, connect it to the 8-port expansion board.



Good job, you've done all the installation steps, power it up and enjoy your work.

