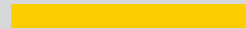




**LIGHT<sup>MY</sup>  
BRICKS**



**LEGO® WINTER VILLAGE STATION  
#10259 LIGHT KIT  
INSTALLATION GUIDE**

# Light My Bricks



## LEGO® WINTER VILLAGE STATION 10259 INSTALLATION GUIDE

Hi There!

We're here to help you get started on the LEGO®

Winter Village Station 10259 Light Kit.

This PDF details the instructions for the LED light kit only. If you are wishing to purchase this product, please [click here](#) to view the product page.

If you run into any issues, please refer to the troubleshooting section towards the end of this guide.

Have fun and enjoy!





## PACKAGE CONTENTS:



7 x White 30cm Bit Light \*

6 x White 15cm Bit Light

4 x White Strip Light

1 x Multi Colour Light String



1 x 8-Port Expansion Board

1 x 12-Port Expansion Board



2 x 5cm Connecting Cable

2 x 15cm Connecting Cable

1 x 50cm Connecting Cable



1 x AA Battery Pack

(Batteries not Included)

## ASSORTED BRICKS:

- 4 x Plate 1x6 - Light Grey
- 2 x Plates 1x4 - White
- 2 x Round Plate 1x1 - Trans Clear
- 2 x Round Plate 1x1 - Trans Orange
- 1 x Plate W/ Rounded Bottom 2x2 - Trans Clear

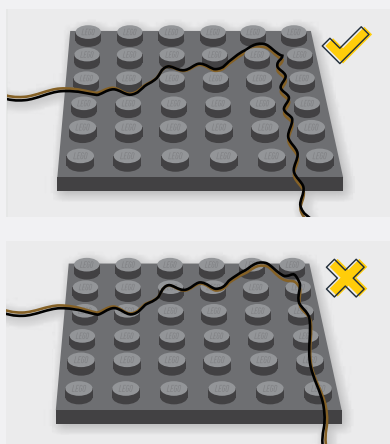
\* Indicates components which include spares

## Contents

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Final Product	42
Troubleshooting	43
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## Before You Begin



### 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.*

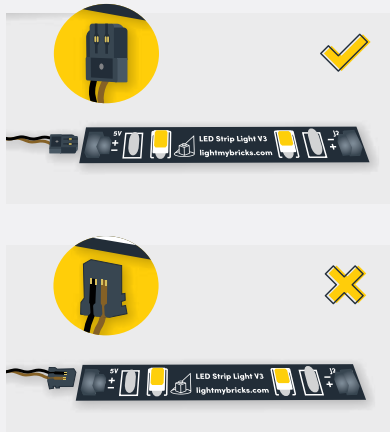


### Connecting Cable Connectors To Expansion Boards

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.*

## Before You Begin



### 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.



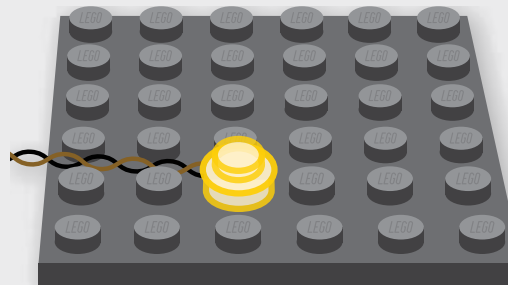
### Connecting Micro Cable Connectors To Micro Expansion Board Ports

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.

## Before You Begin

### 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.



# Before You Begin

## The Symbols Used In This Guide

When going through the following guide you will come across symbols and formats that will assist with the installation of your light kit. Take notice of them as each has a specific purpose.

### Light Kit Component

This is the most important image format as it indicates which part to use from the Light Kit. Make sure you pay close attention to which part is shown.

White 30cm Bit Light



### Connect

Used when you need to connect a LEGO piece or LMB component.



### Disconnect

Used when you need to remove a LEGO piece/ section or LMB component.



### Directional

Used to show where to route cables, place components, or move them.



### Bend/Pivot

Used when a component needs to be bent, or part folded or pivoted.



### Turn/ Flip

Will be found in the top left corner when the set needs to be rotated or flipped.



### Twist/ Braid

Seen when a set of cables need to be grouped and twisted together.



### Power On Test

Found at the end of a major step to test the lights. Will be located in the top left corner.



### Note

Notes will be found alongside the instruction photos and explain what to do.



## Before You Begin

### Repeat Step

Repeat the previous step eg.  
Make a spotlight, then make a  
second spotlight.

x2

### Connect Focus

Used to highlight a hard to  
see area where a component  
is being connected.



### Disconnect Focus

Used to highlight a hard to  
see area where a component  
is being disconnected.



### General Focus

Used to highlight a hard to  
see area where a component  
needs to be acted on.



### General Note

This is a sample note that is  
used anywhere in this guide. It  
will explain a difficult section  
where photos are hard to  
illustrate or easily confused.

### Connect Note

The green coloured note is  
used when the topic focuses  
on a component being  
connected, like the shown  
Power Bank.

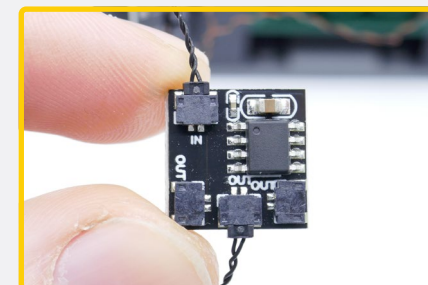
### Disconnect Note

The red coloured note is  
used when the topic focuses  
on a component being  
disconnected or like here, the  
removed pieces.



#### NOTE

Take the 5cm Connecting Cable  
from the 4-Port Micro Expansion  
Board and route it into the "IN"  
port of the Flicker Effects Board



#### NOTE

Connect to a 5V USB Power Bank,  
5V USB Wall Adaptor, or USB to AA  
Battery Pack (sold separately)



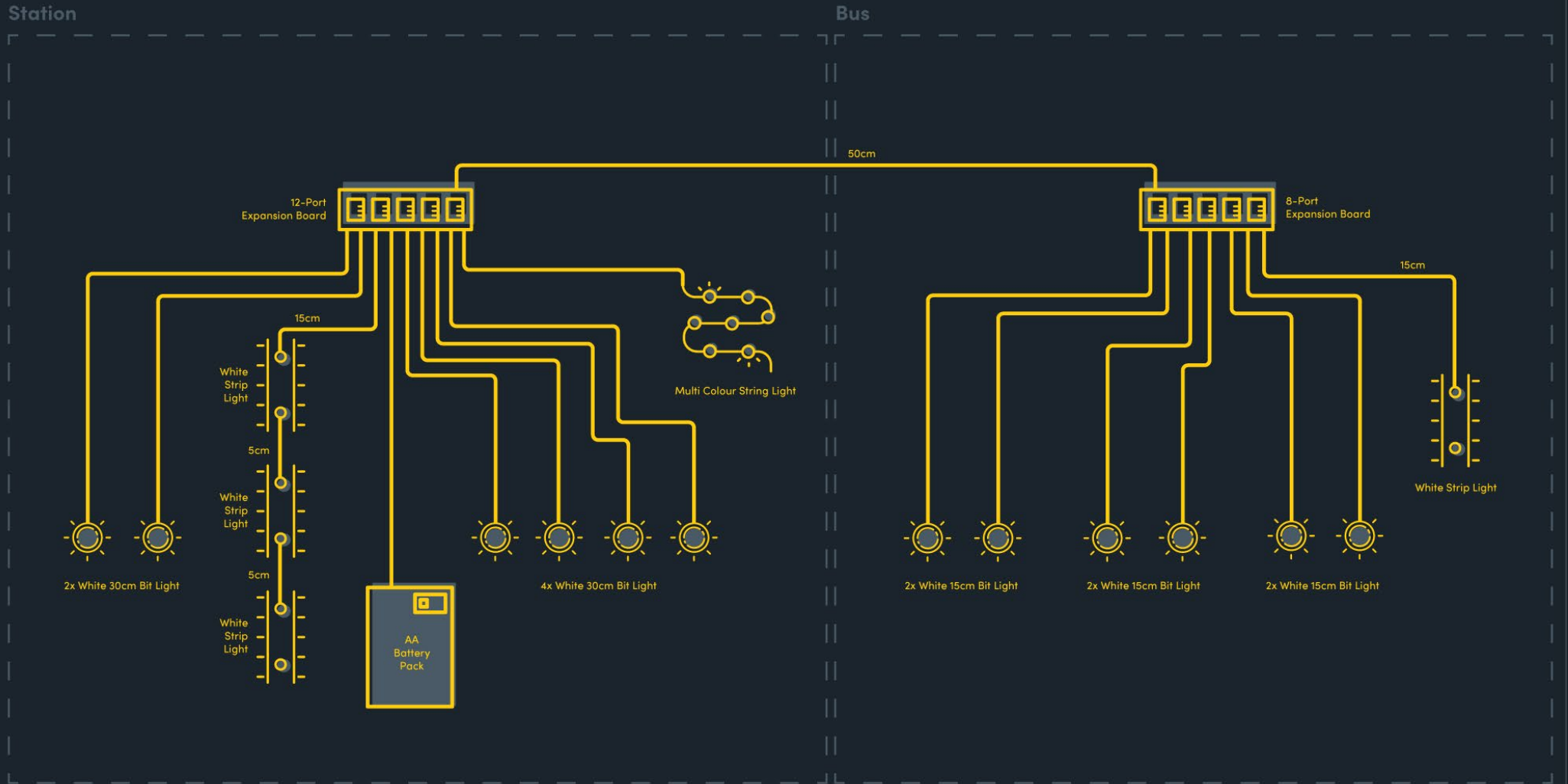
#### NOTE

You should have these parts left  
over that were removed from the  
LEGO set





# BLUEPRINT

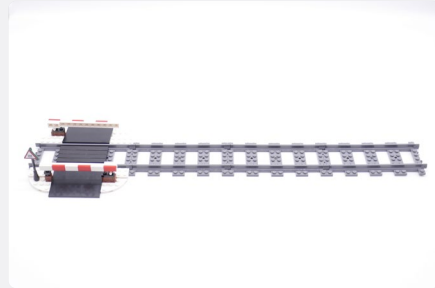




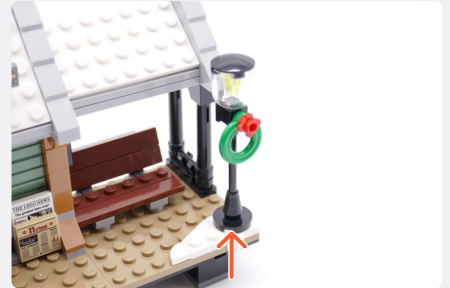
## INSTRUCTIONS

To ensure a smooth installation of your light kit, please read and follow each step carefully. If you run into any issues, please refer to the online troubleshooting guide.

1



2





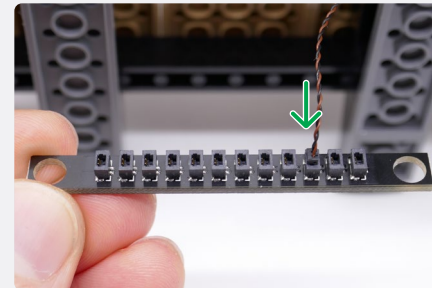
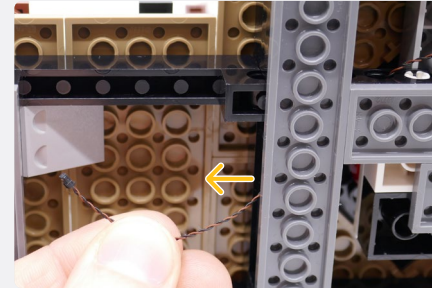
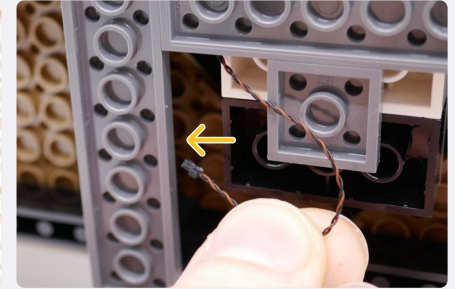
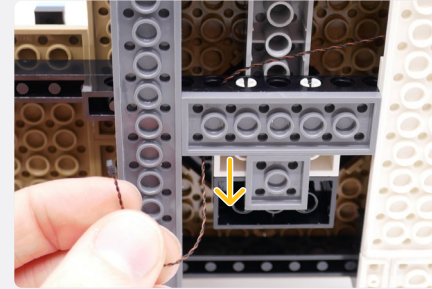
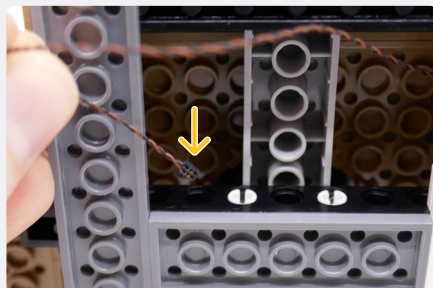
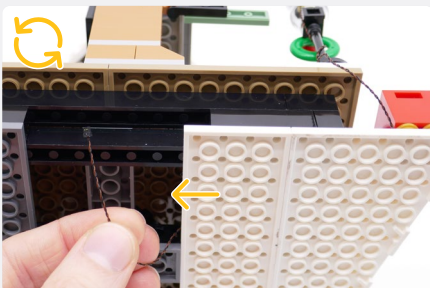
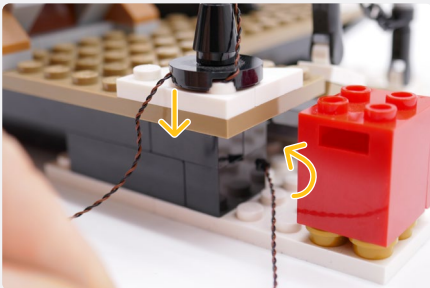
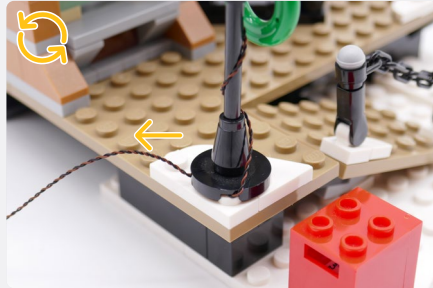
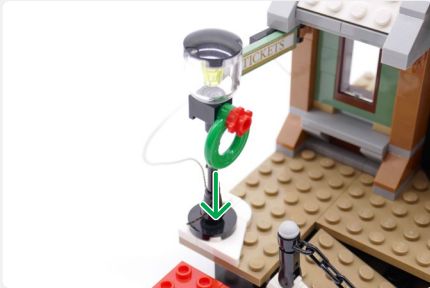
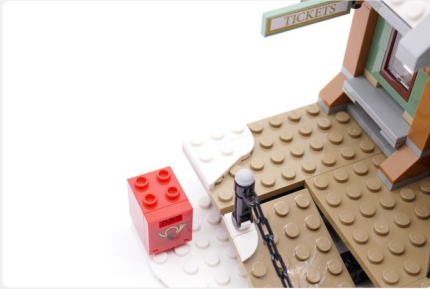
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White 30cm Bit Light

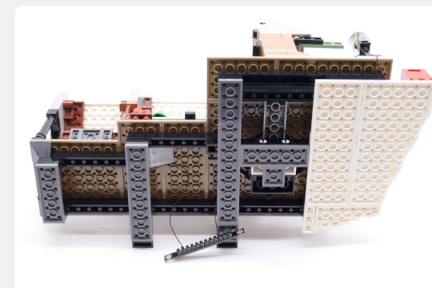
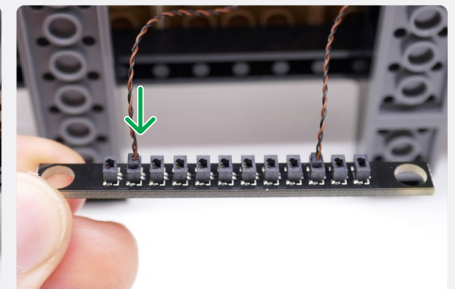
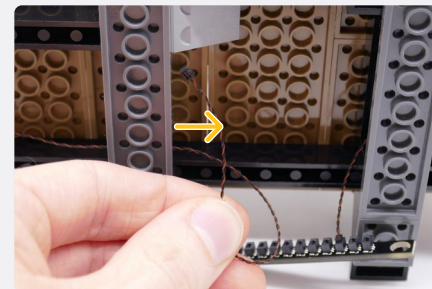
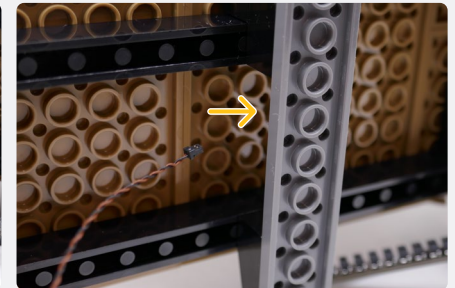
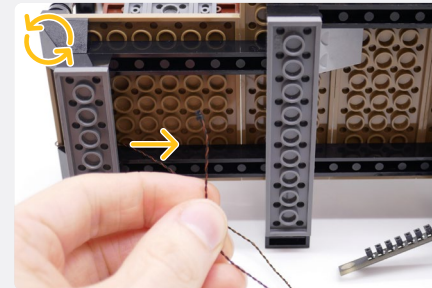
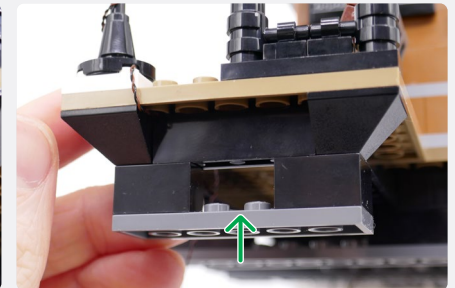
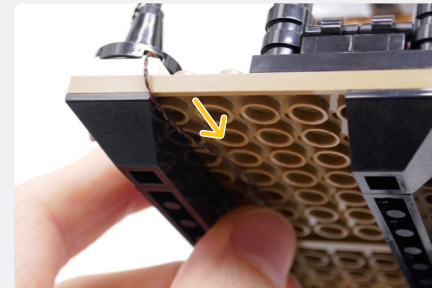
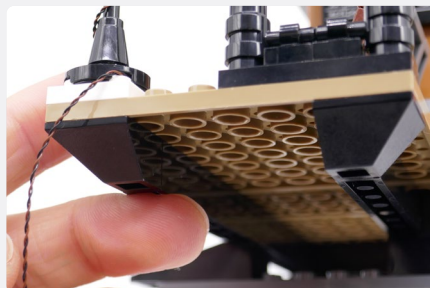
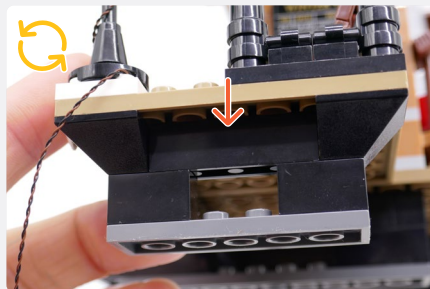
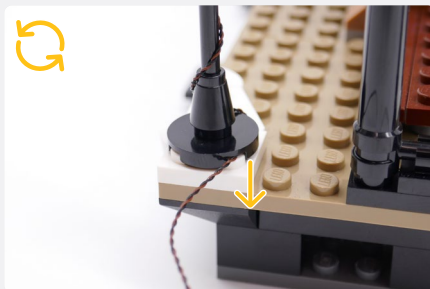
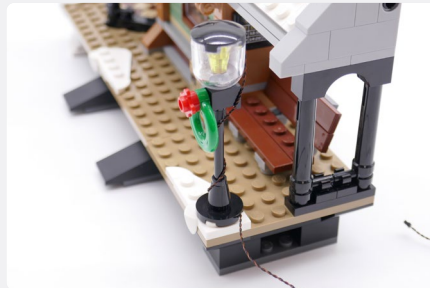


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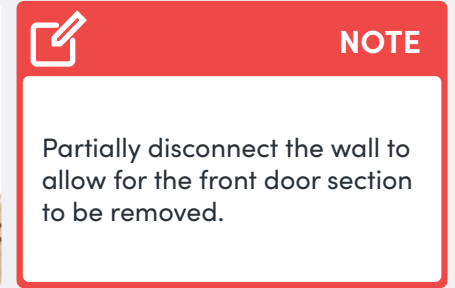
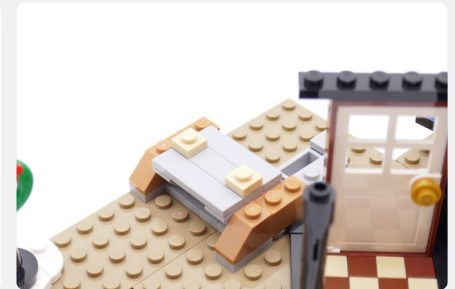
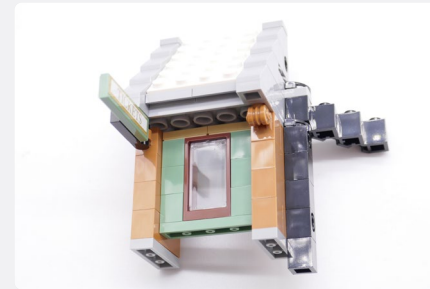
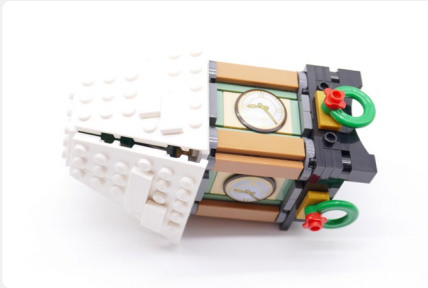




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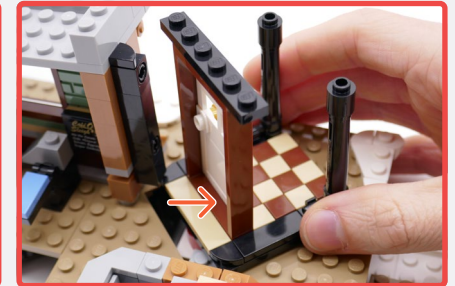
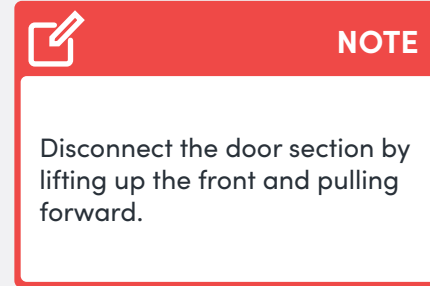


6



NOTE

Partially disconnect the wall to allow for the front door section to be removed.

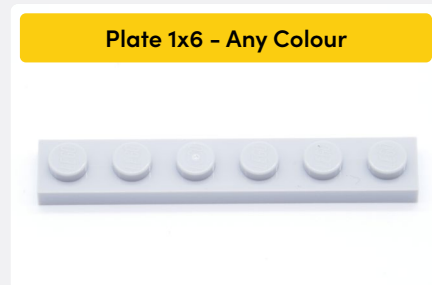


NOTE

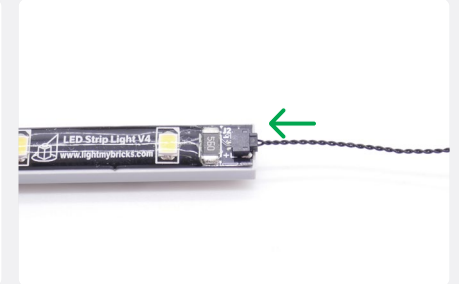
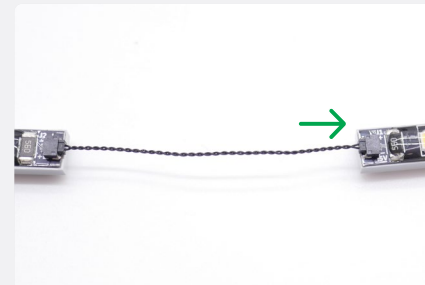
Disconnect the door section by lifting up the front and pulling forward.



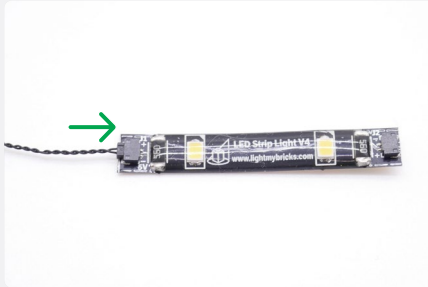
7



8



## 15cm Connecting Cable

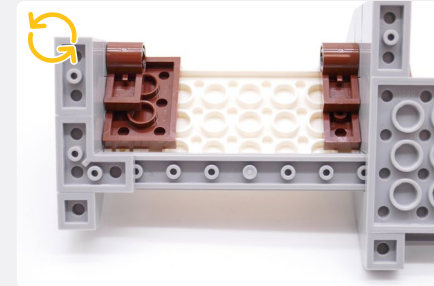
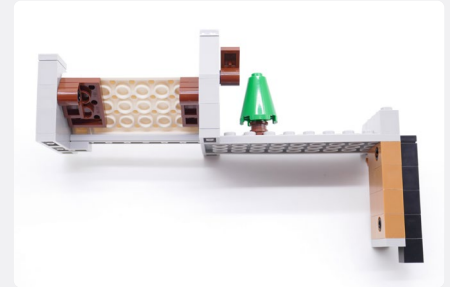
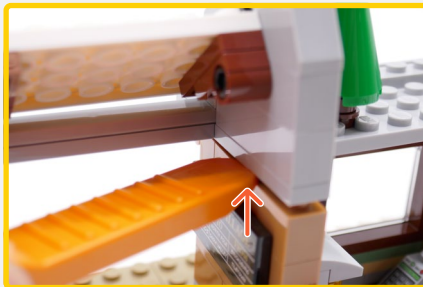
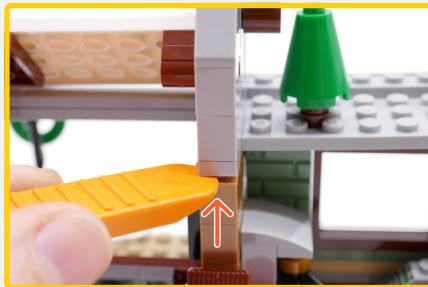


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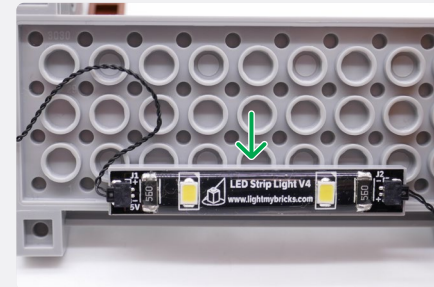
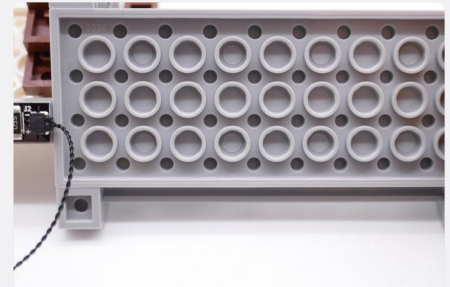
**NOTE**

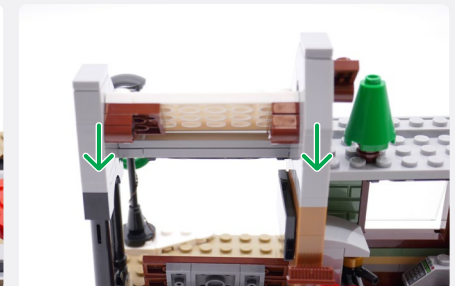
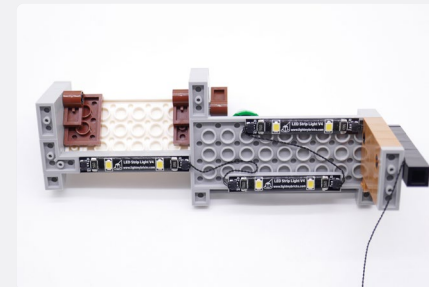
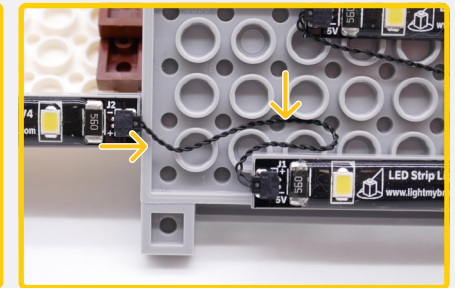
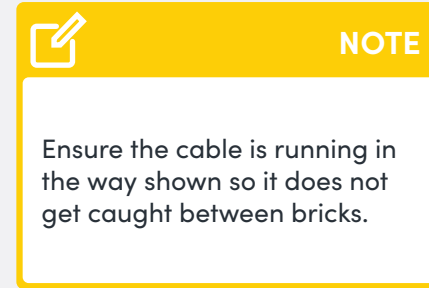
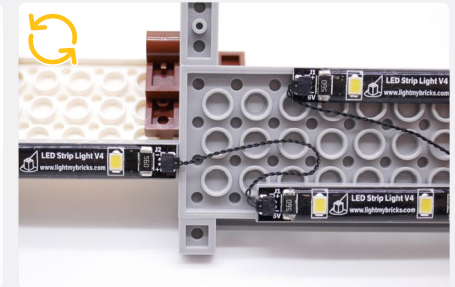
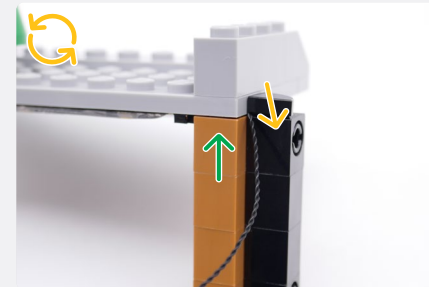
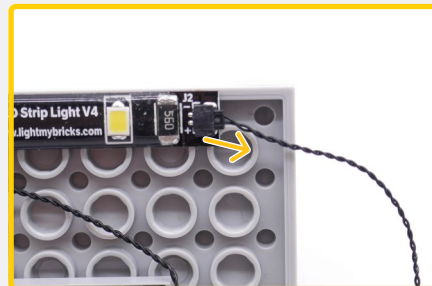
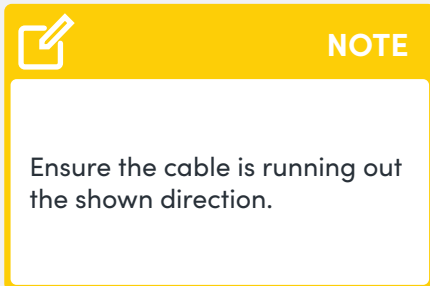
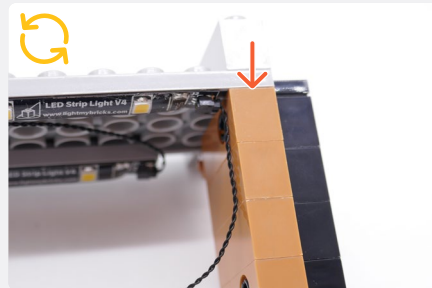
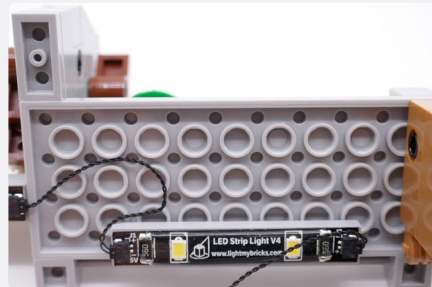
Pry apart the bricks by using the LEGO Brick Separator Tool or similar.



**NOTE**

Take the first Strip Light with the single 5cm Connecting Cable. Have the cable running out to the right.



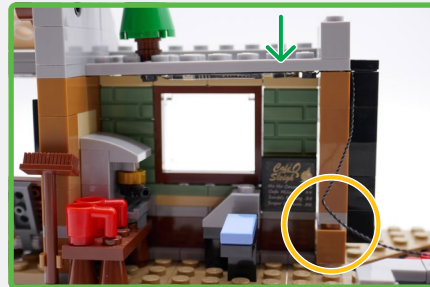






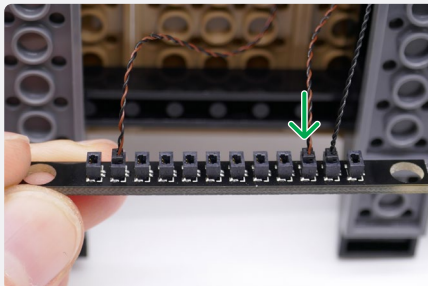
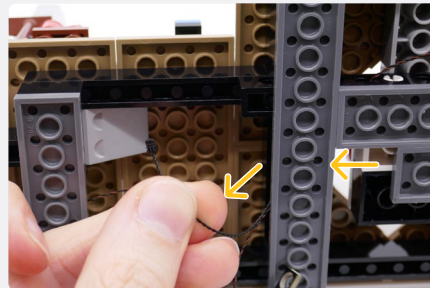
### NOTE

Reconnect the roof section but leave the same gap as before.

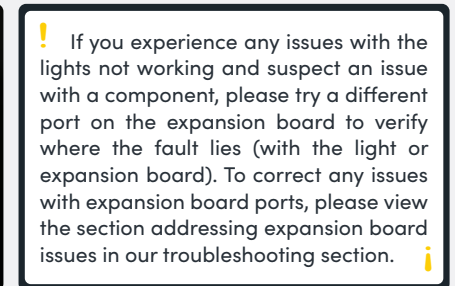
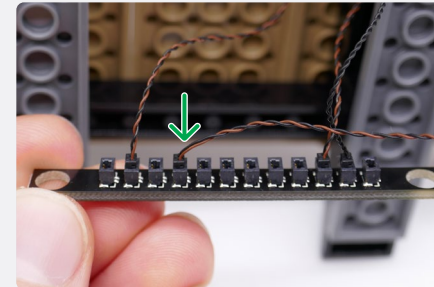


### NOTE

Ensure the cable is running between the studs as it is reconnected.



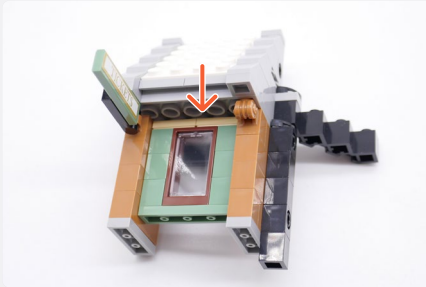
### AA Battery Pack



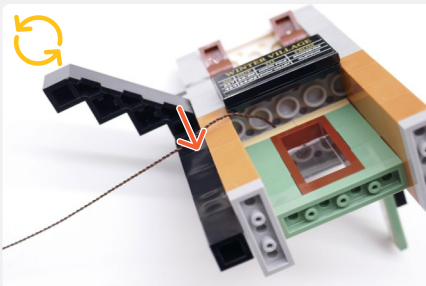
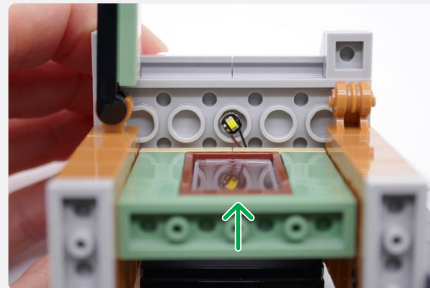
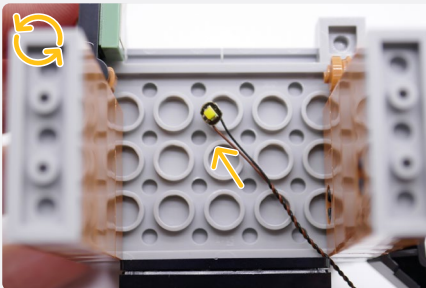
! If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing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



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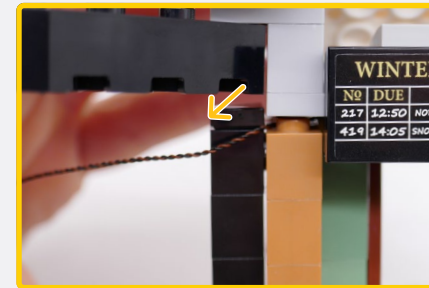
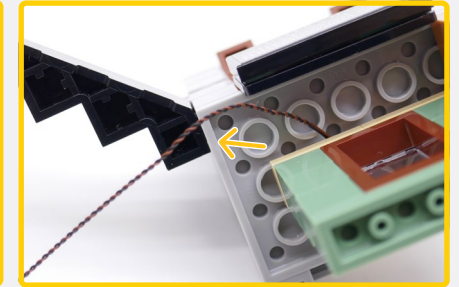


White 30cm Bit Light



NOTE

Ensure the cable is running out the shown direction in between the studs.



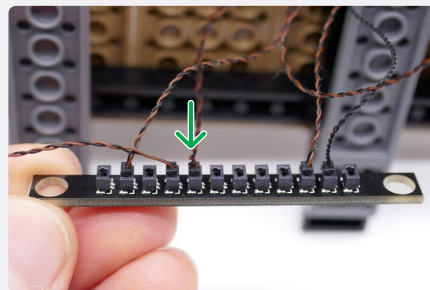
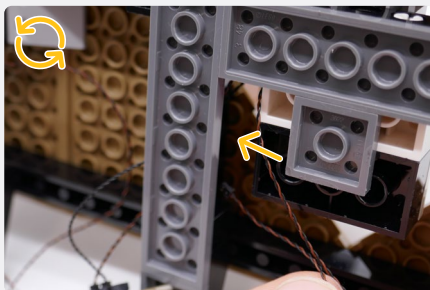
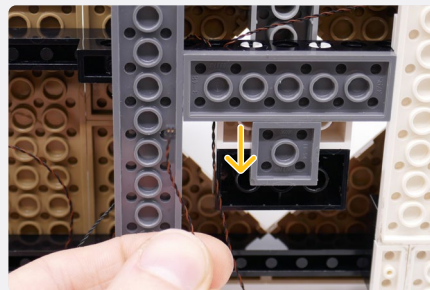
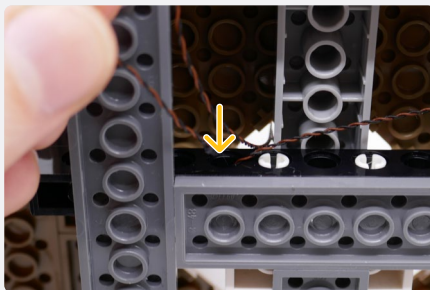
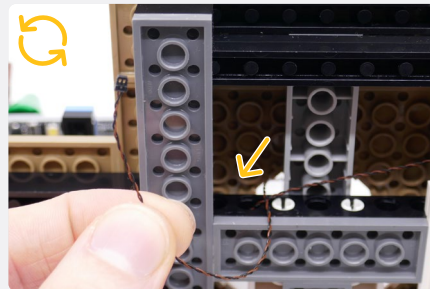
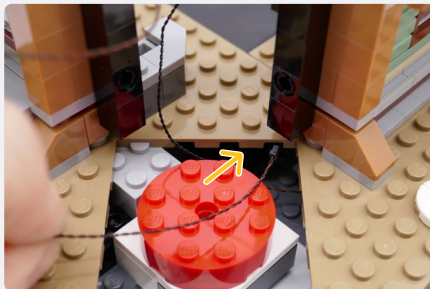
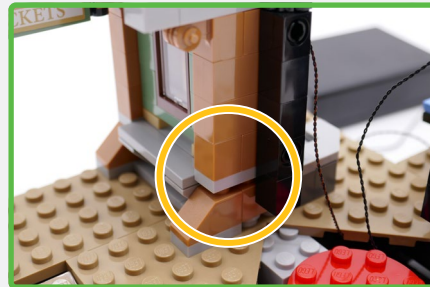
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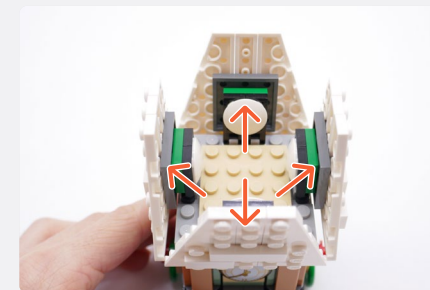
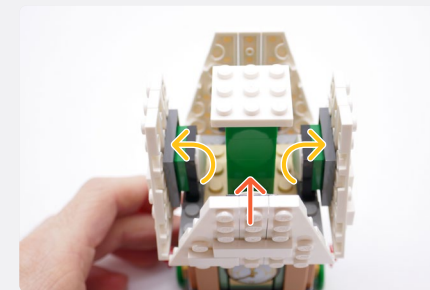
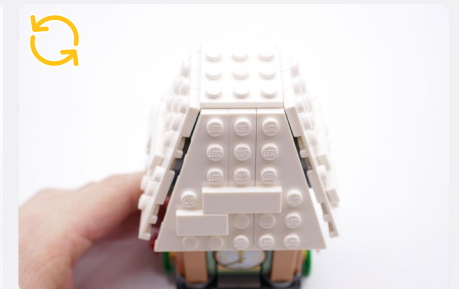


## NOTE

Reconnect the building but leave the same gap as before.

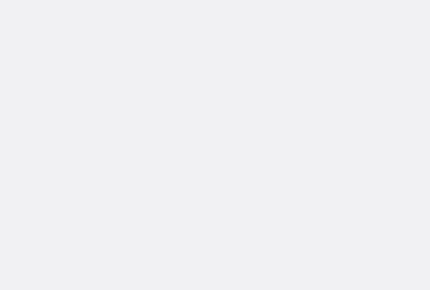
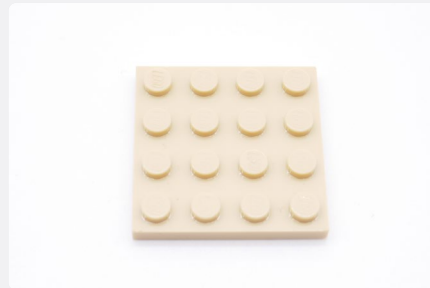
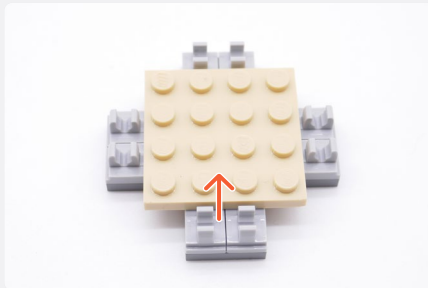
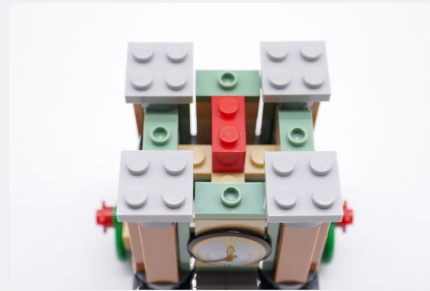
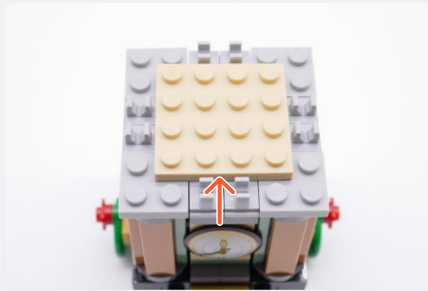


## 13





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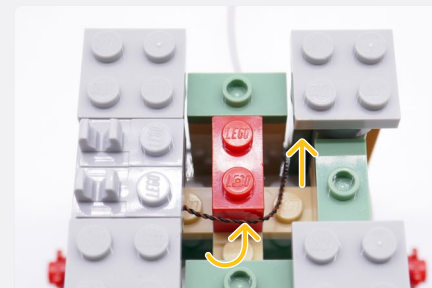
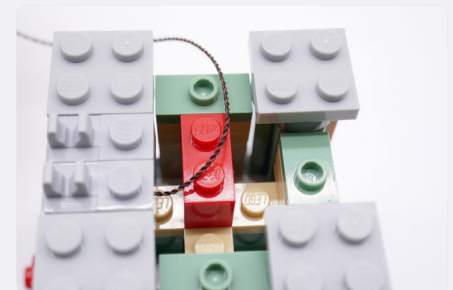
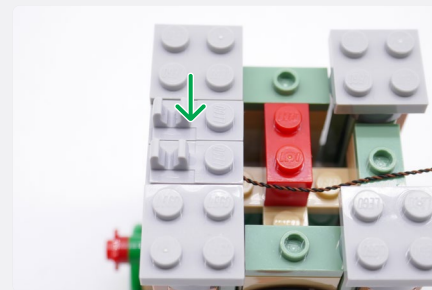
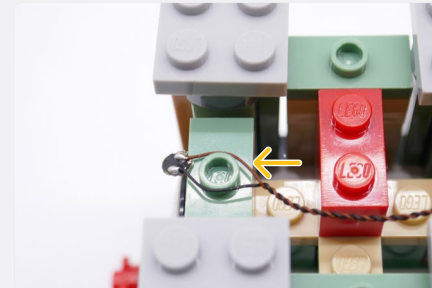


White 30cm Bit Light

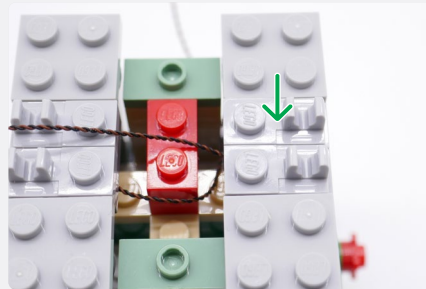
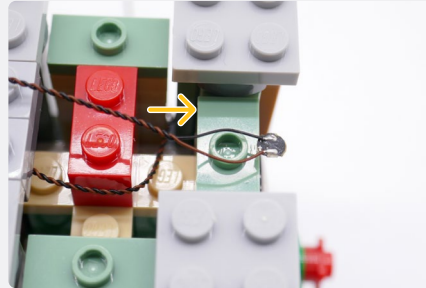
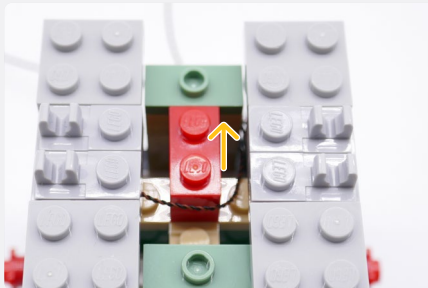
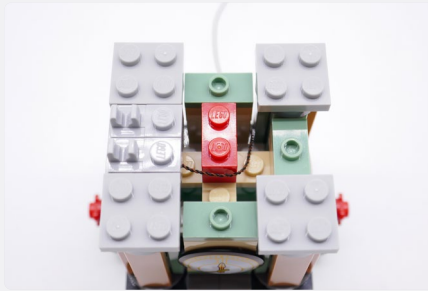


NOTE

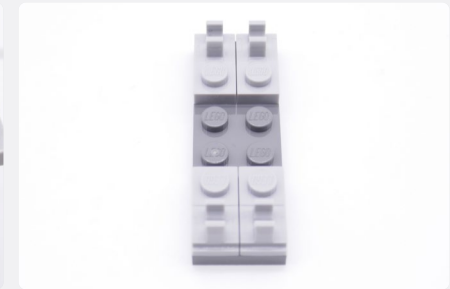
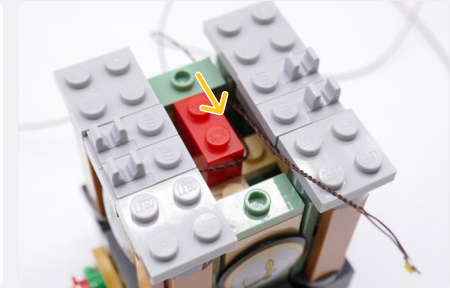
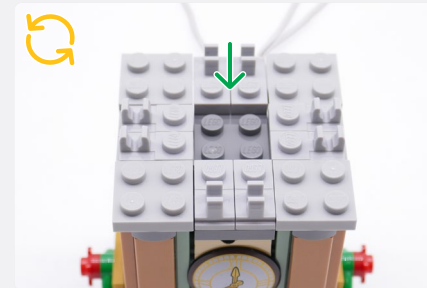
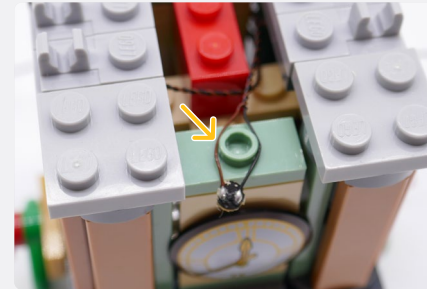
Lightly part the cable halves to look like this.



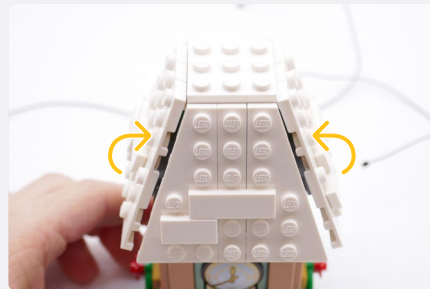
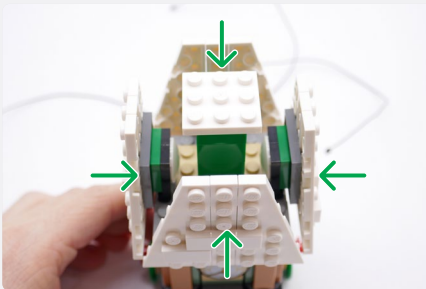
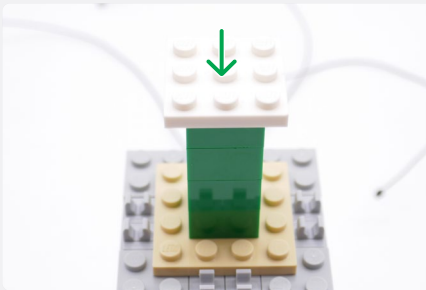
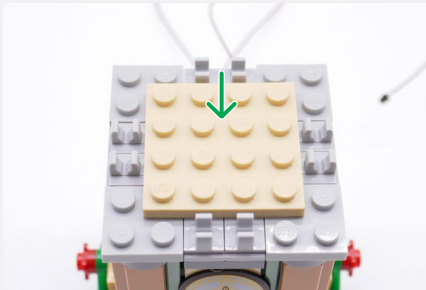
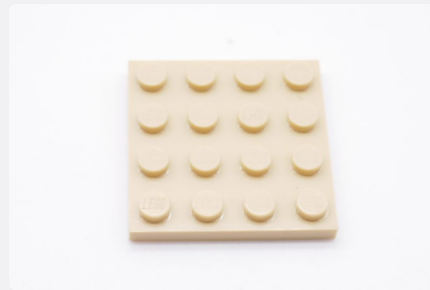
15



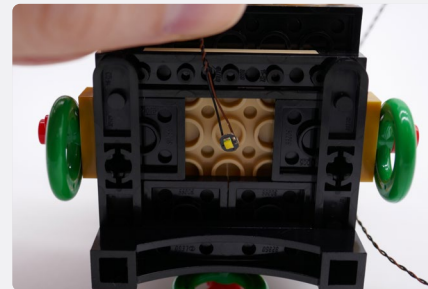
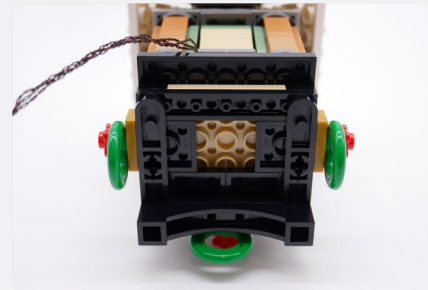
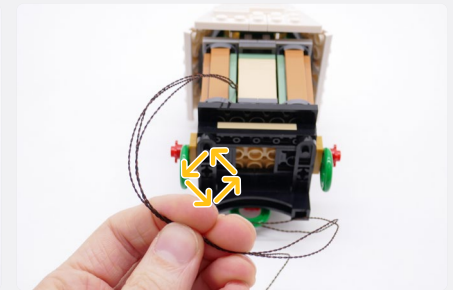
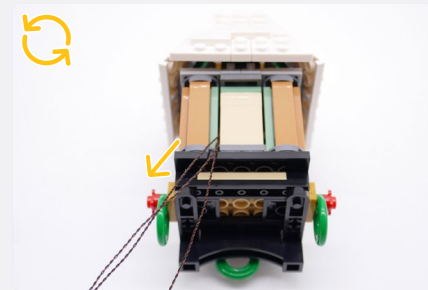
16



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18



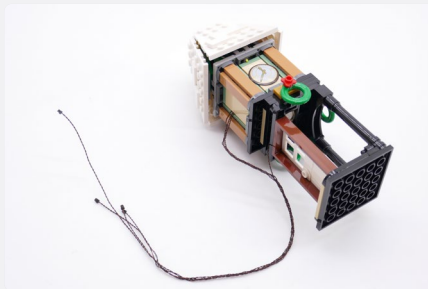
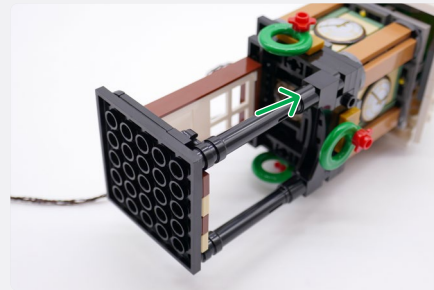
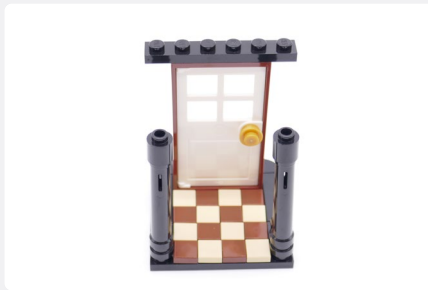
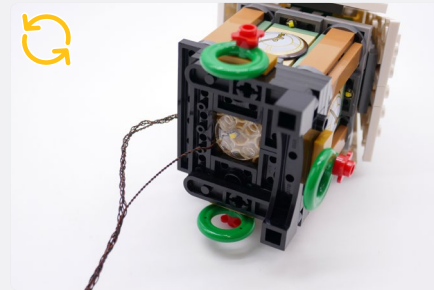
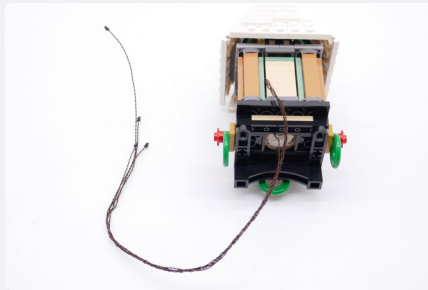
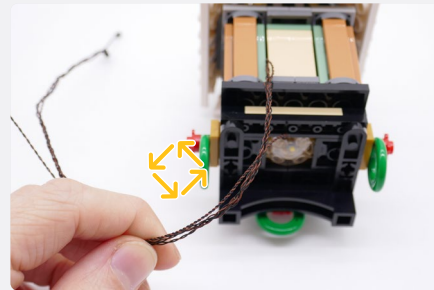
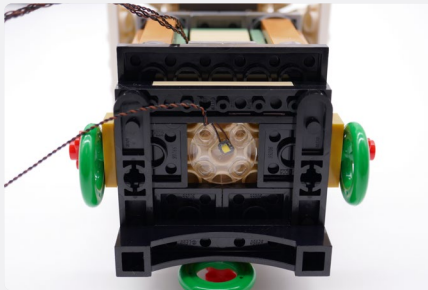
White 30cm Bit Light



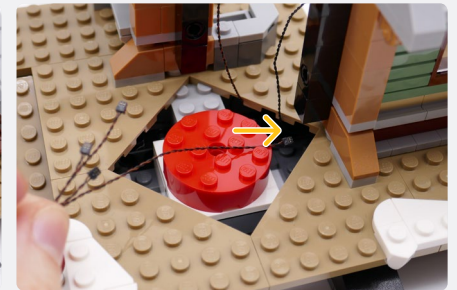
Plate 2x2 W/ Rounded Bottom - Trans Clear





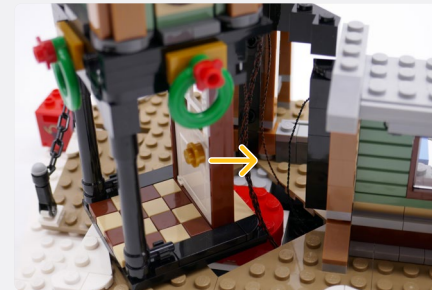
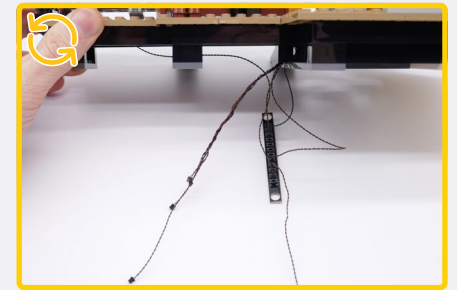


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NOTE

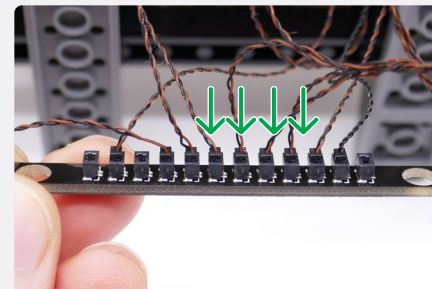
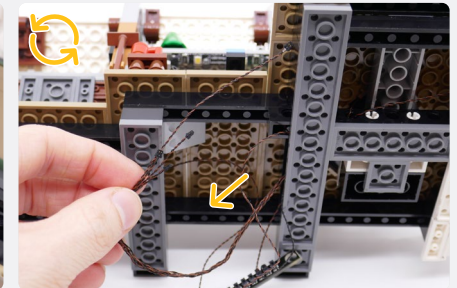
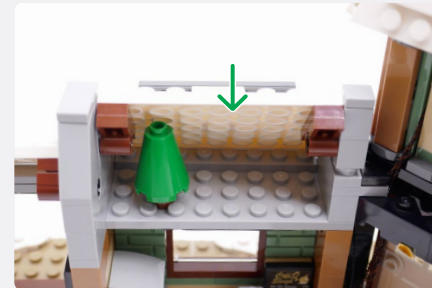
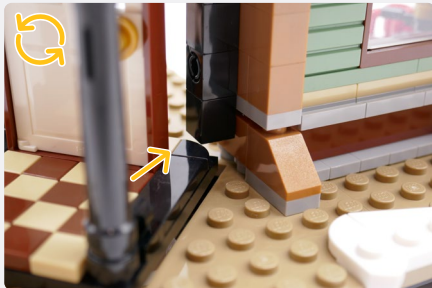
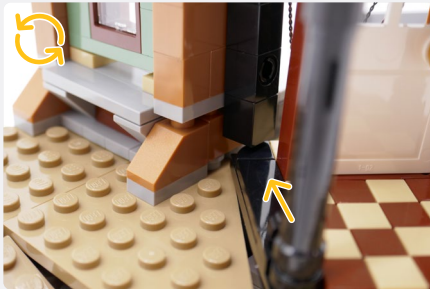
Run the cables through the gap underneath and out here.





## NOTE

Lightly part the cable halves to look like this.





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Multi-Colour String Light

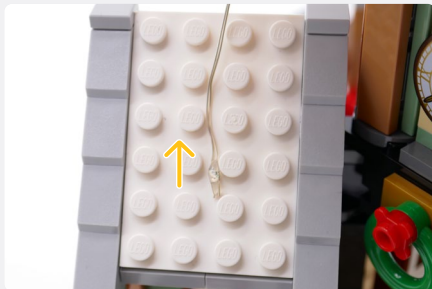
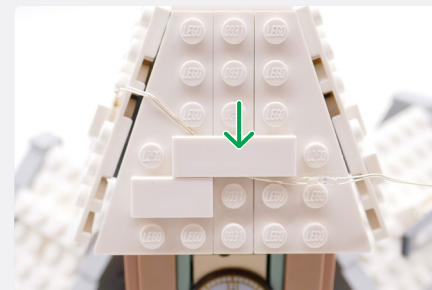
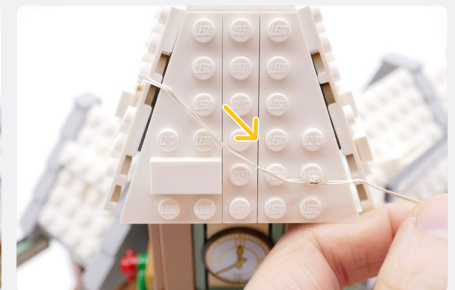
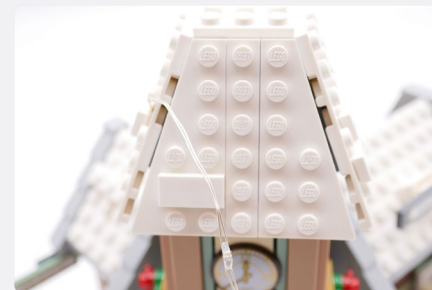
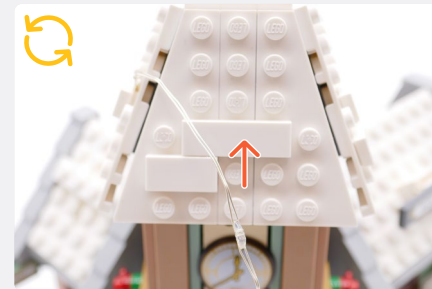
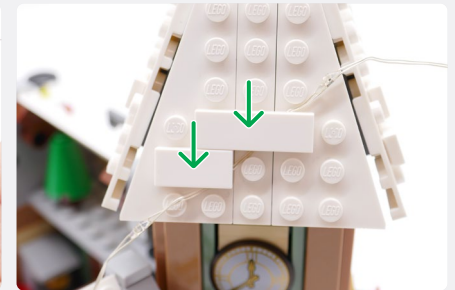
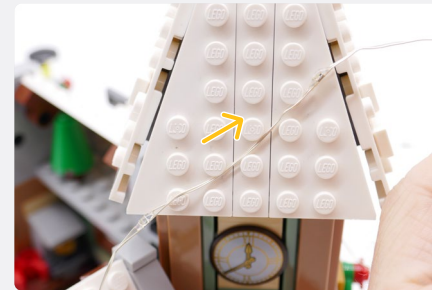
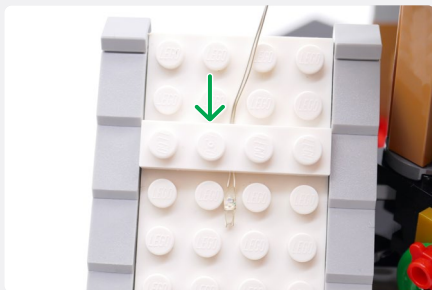


Plate 1x4 - White





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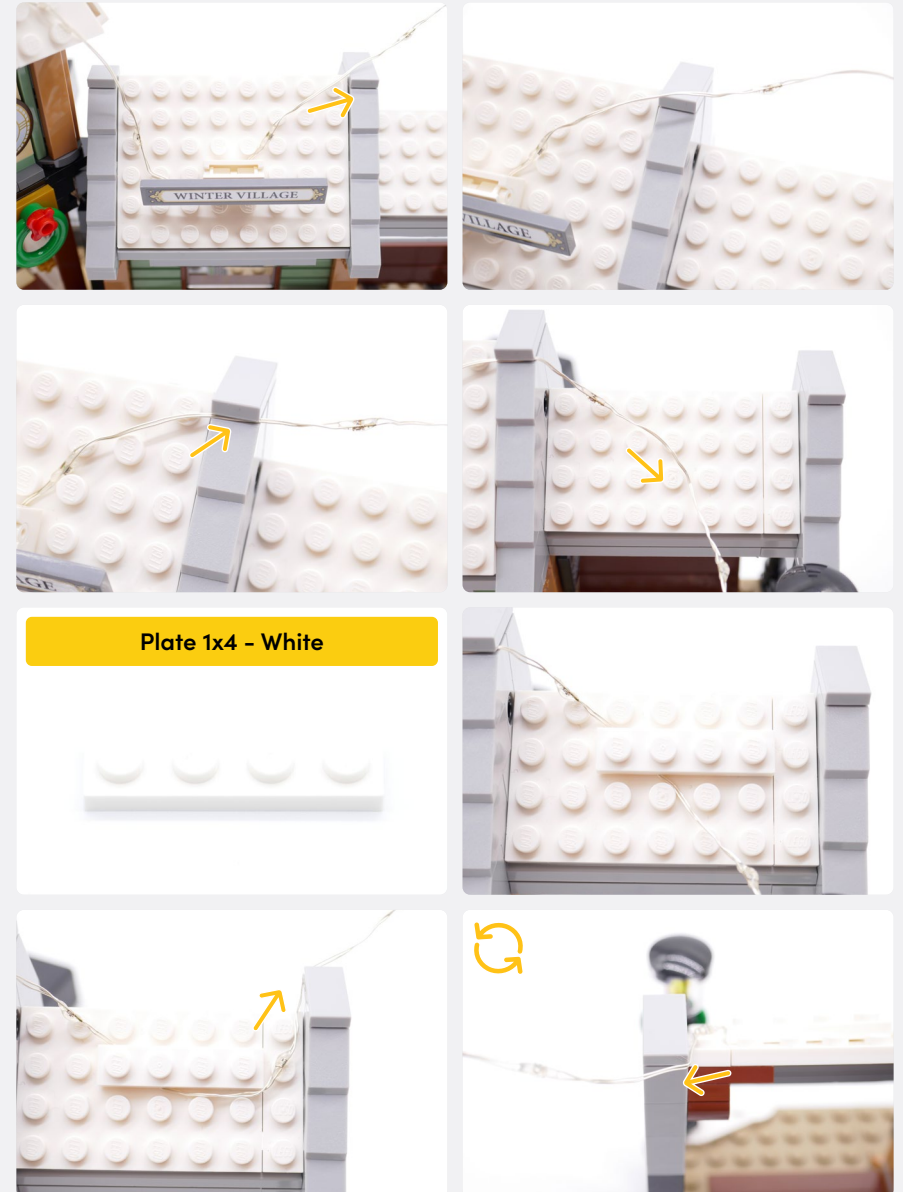
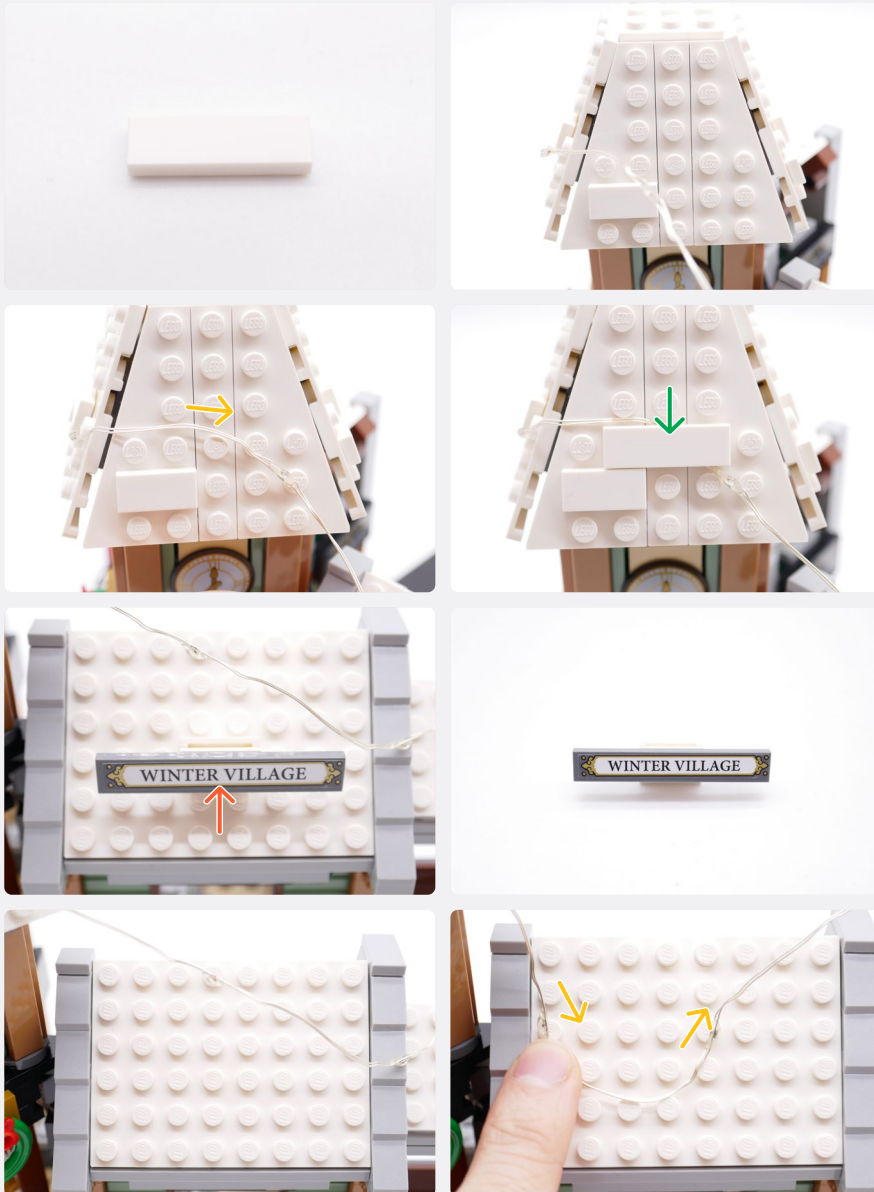
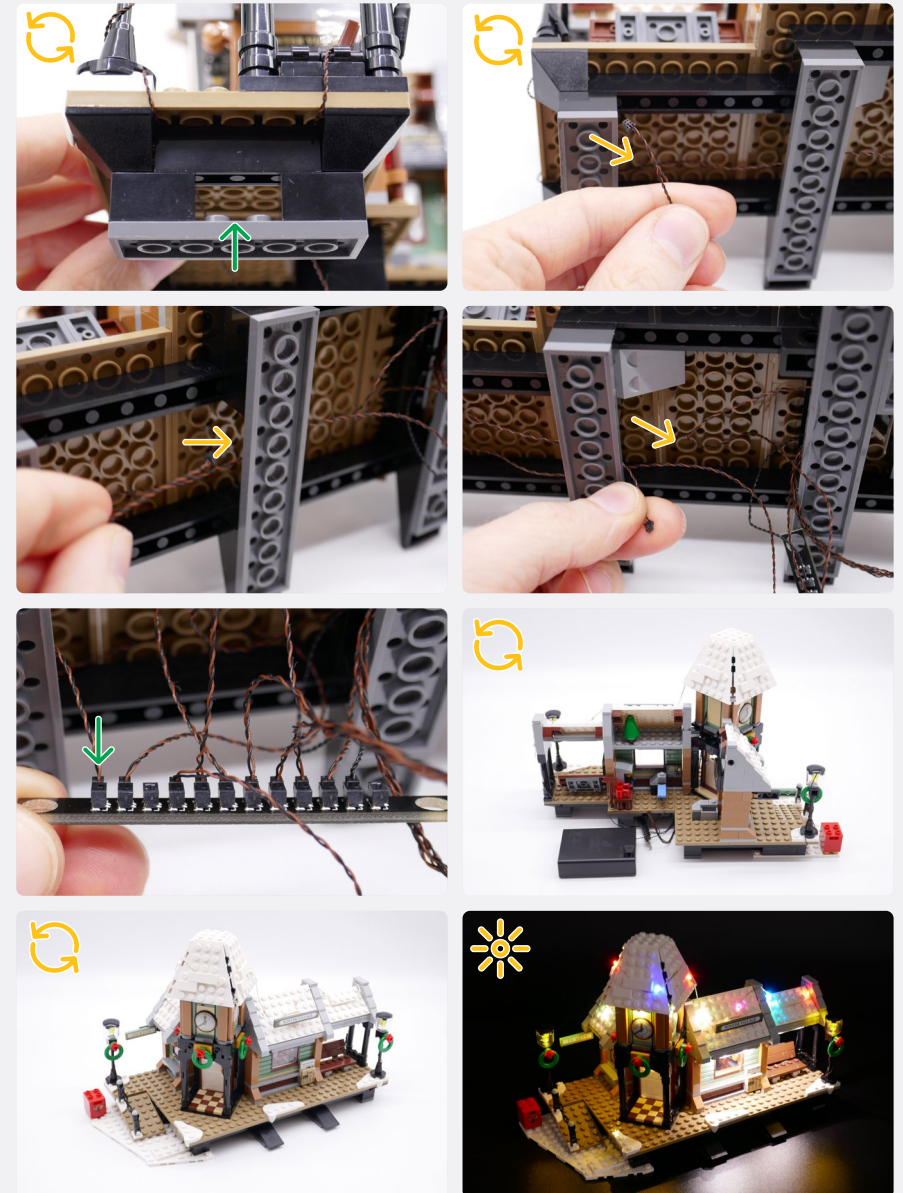
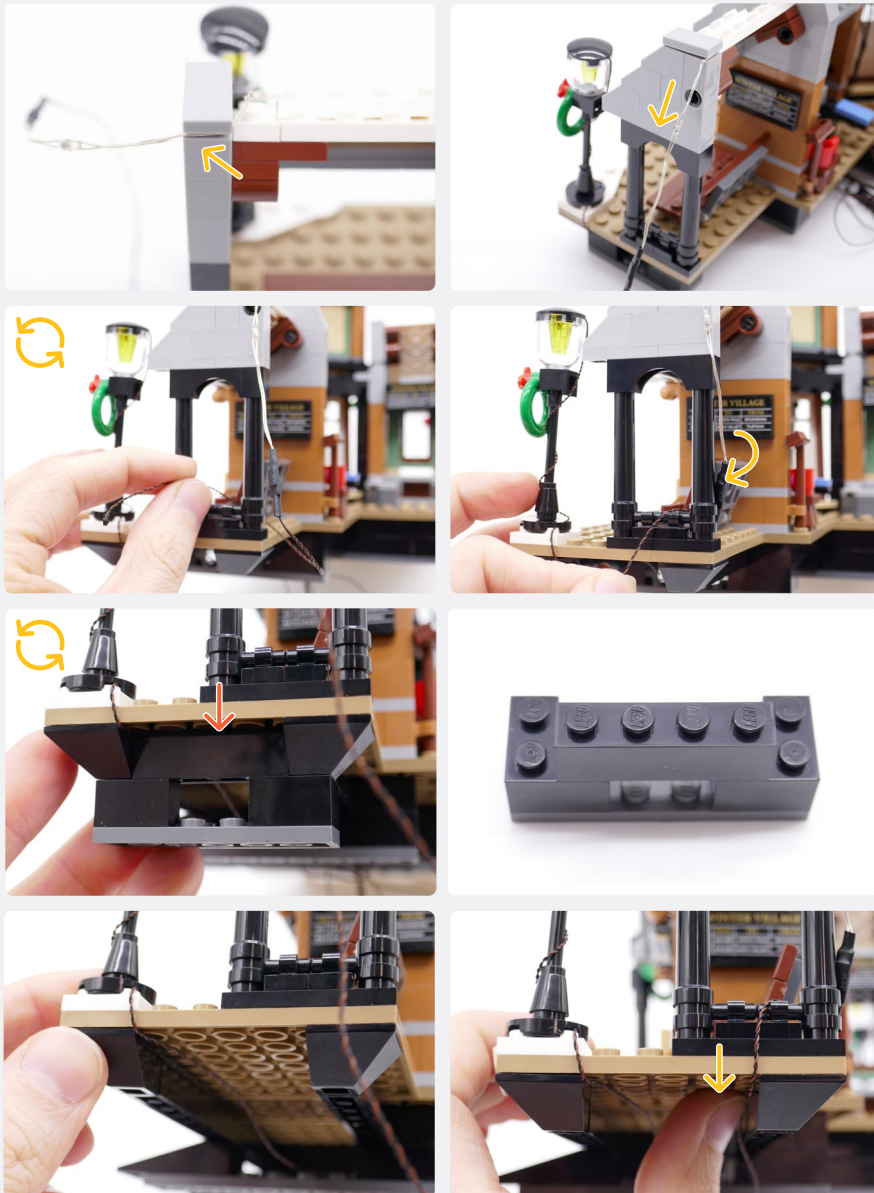


Plate 1x4 - White

22

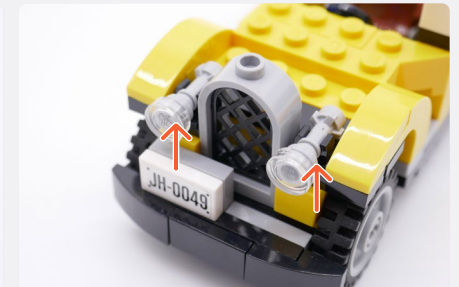
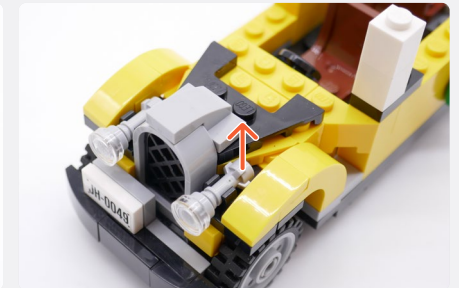






! If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing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

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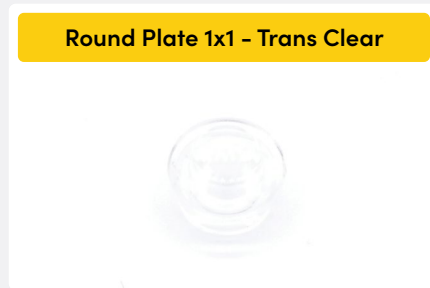
24



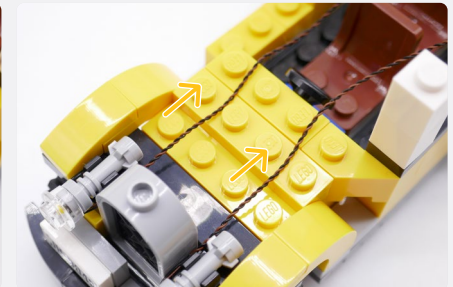
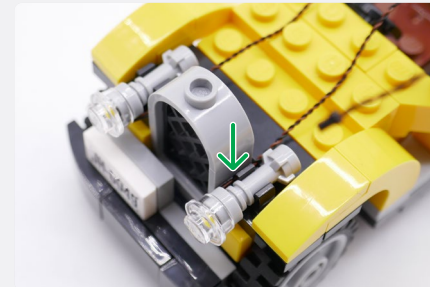
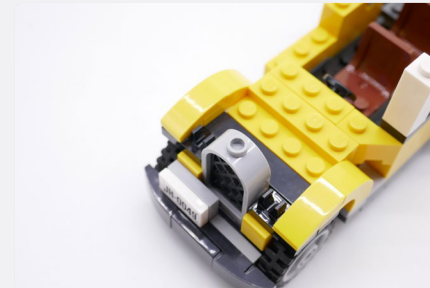
White 15cm Bit Light



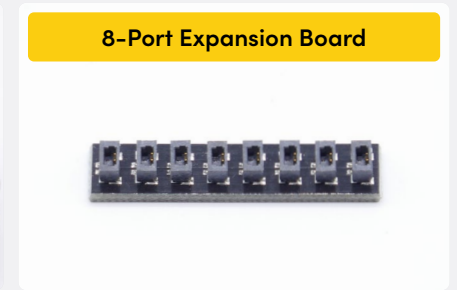
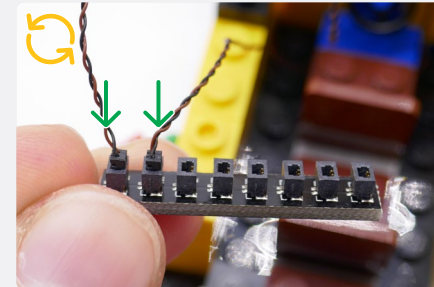
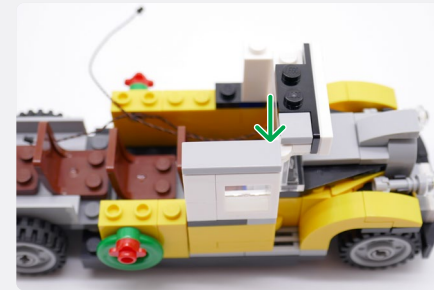
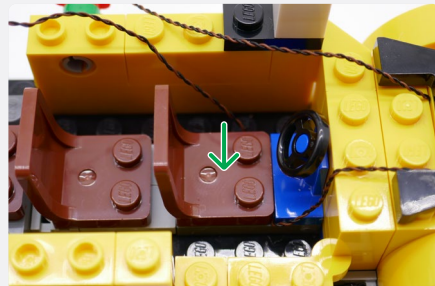
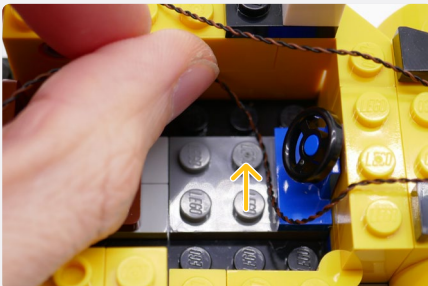
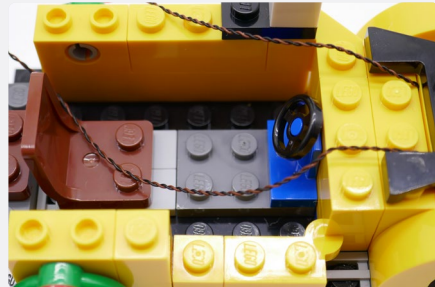
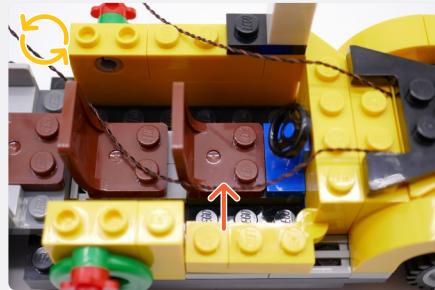
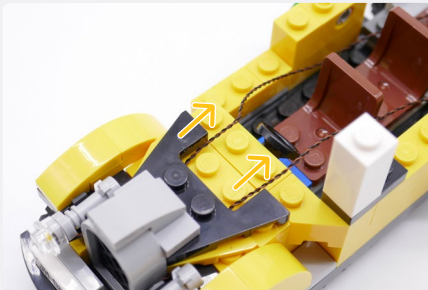
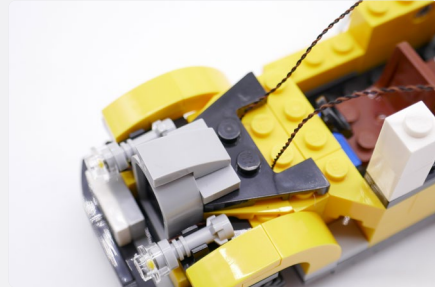
Round Plate 1x1 - Trans Clear



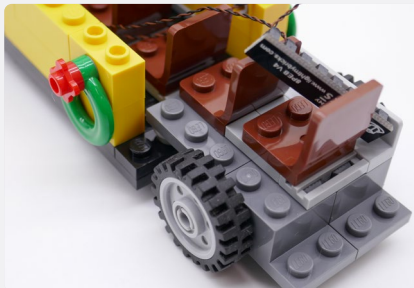
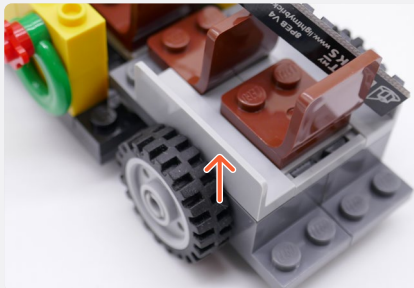
25





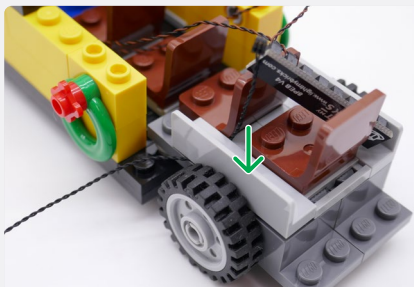


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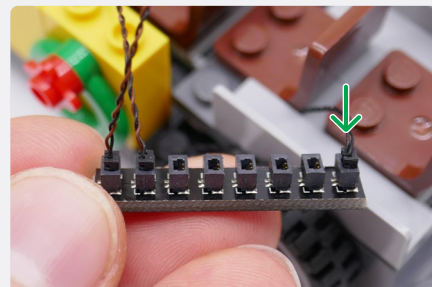
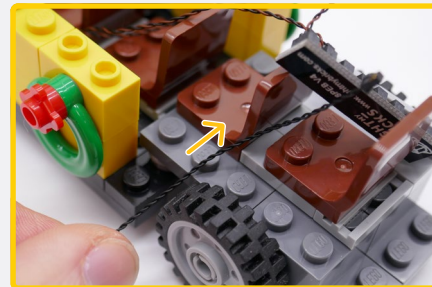


NOTE

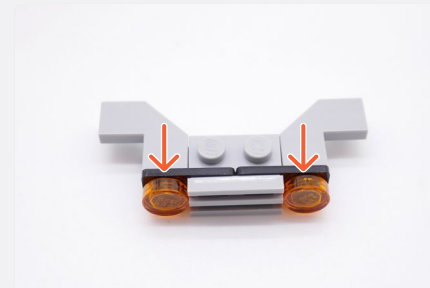
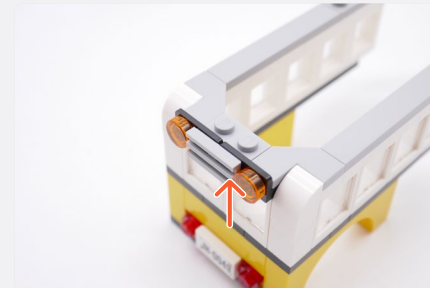
Leave around 5cm of length on the 50cm cable when connecting the grey piece.



50cm Connecting Cable



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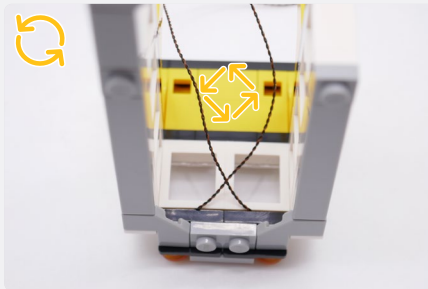
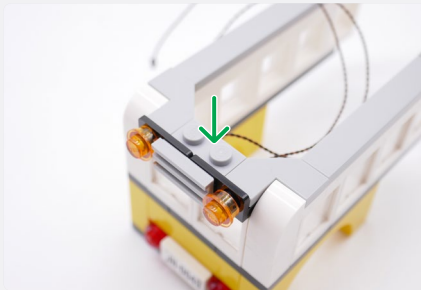
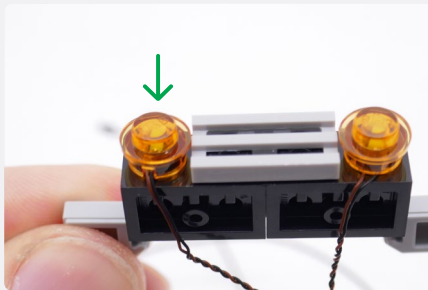
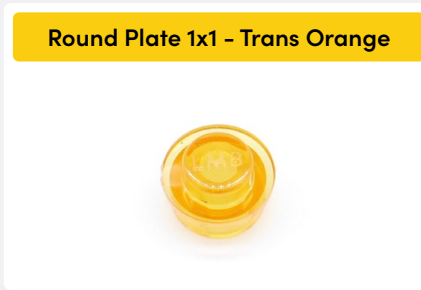
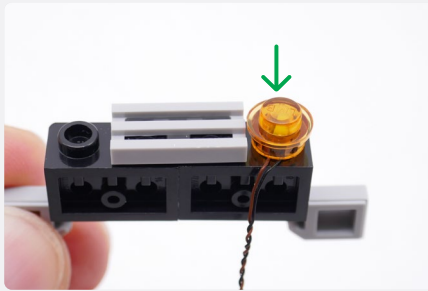


White 15cm Bit Light

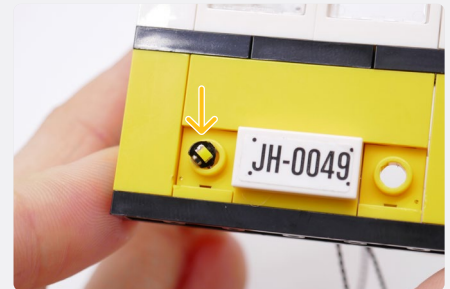


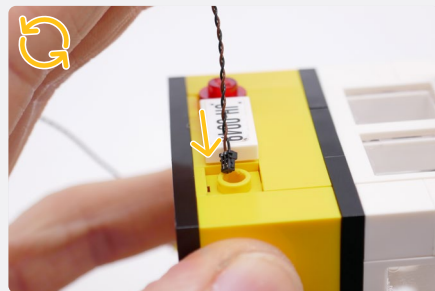
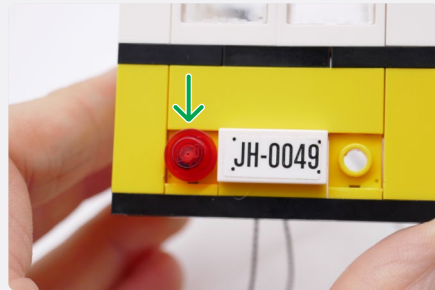
Round Plate 1x1 - Trans Orange



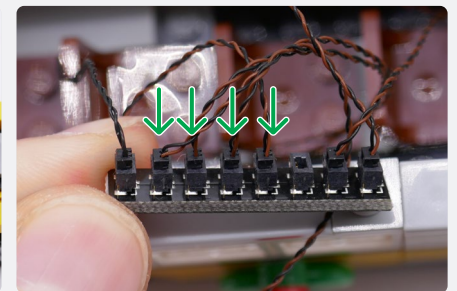


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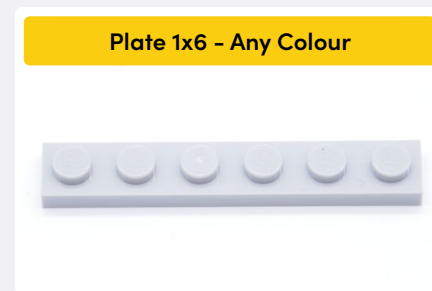




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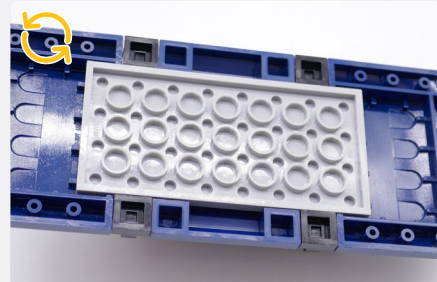




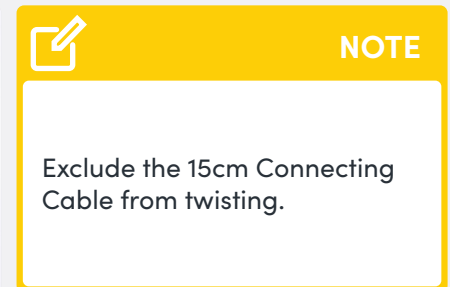
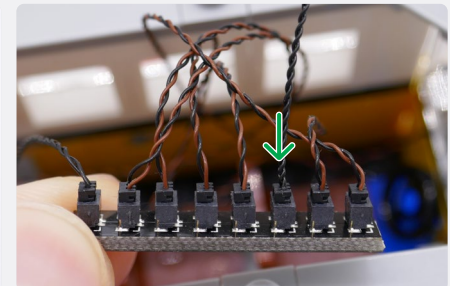
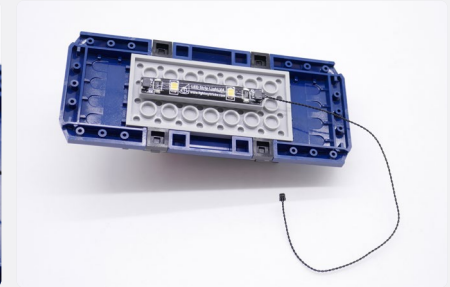
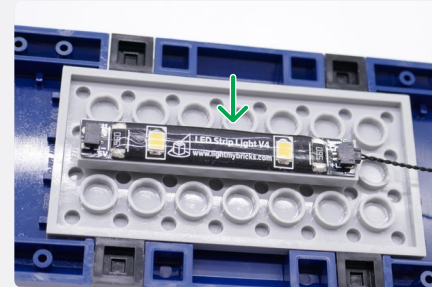
### White Strip Light



### 15cm Connecting Cable

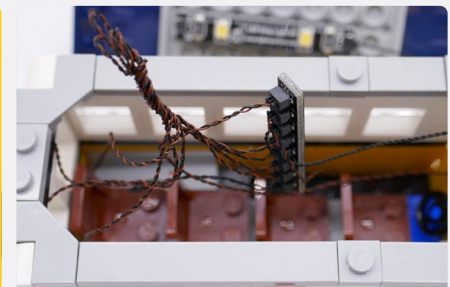


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### NOTE

Exclude the 15cm Connecting Cable from twisting.



DISCONNECT



CONNECT



DIRECTIONAL



BEND / PIVOT



TURN / FLIP



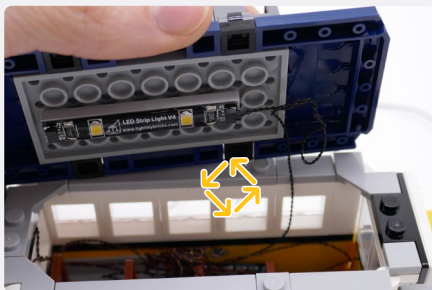
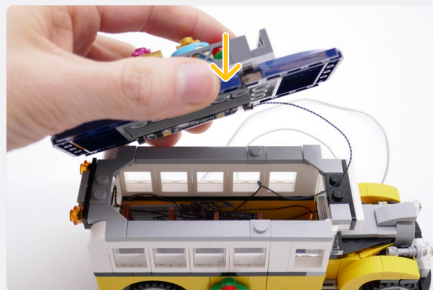
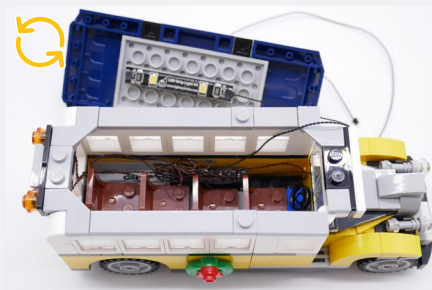
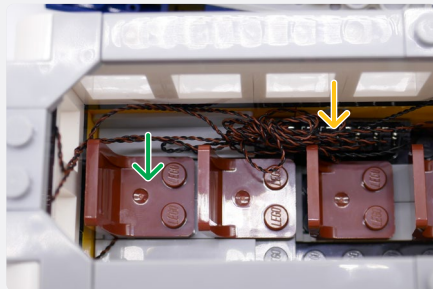
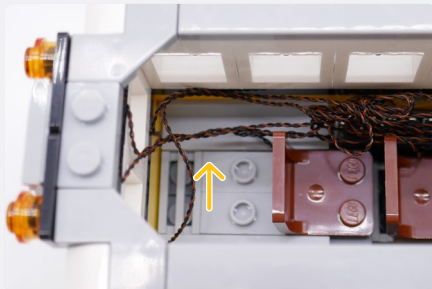
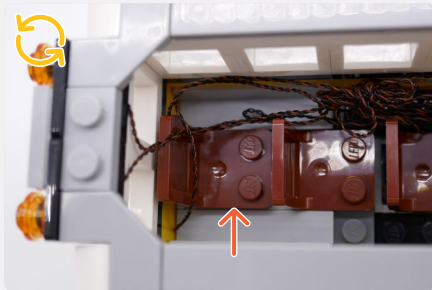
TWIST / BRAID



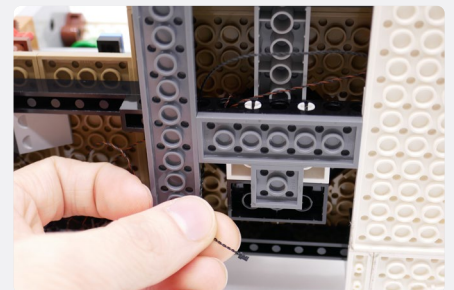
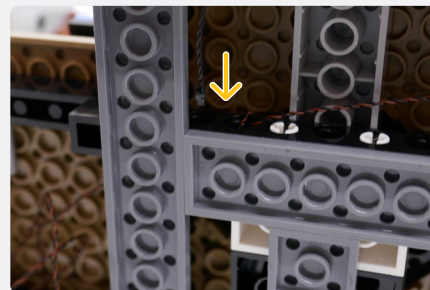
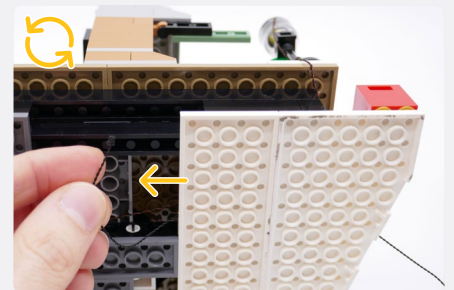
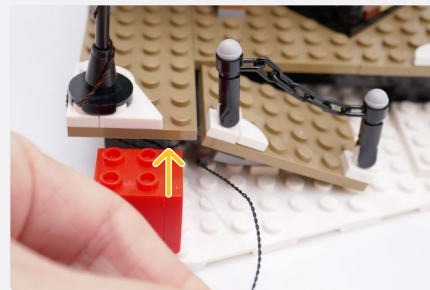
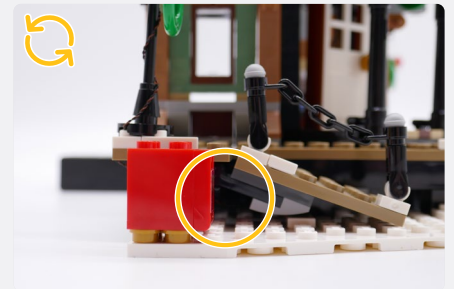
POWER ON TEST



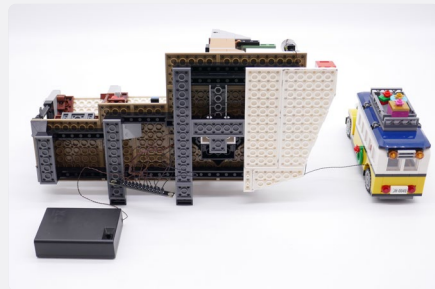
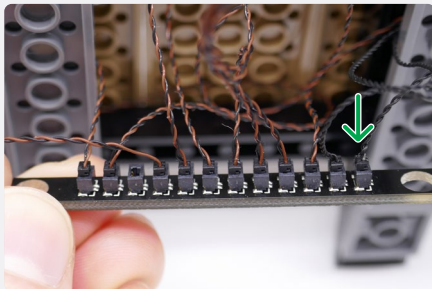
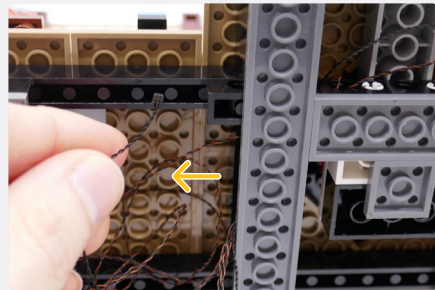
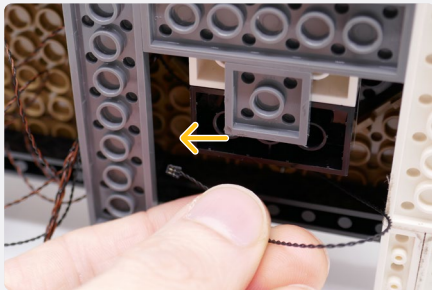
NOTE ICON



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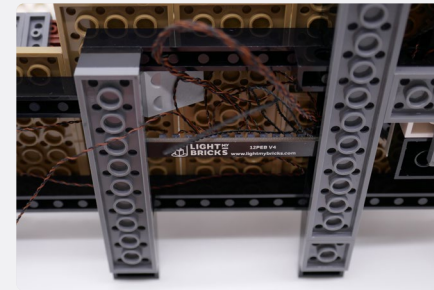
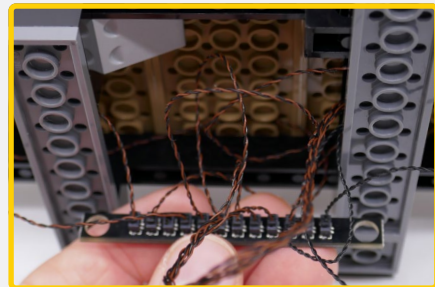


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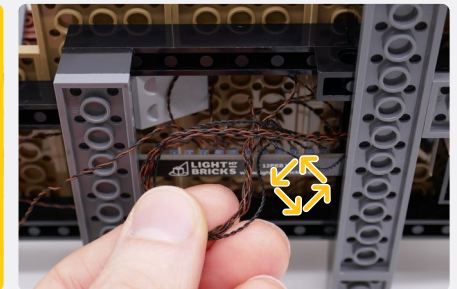
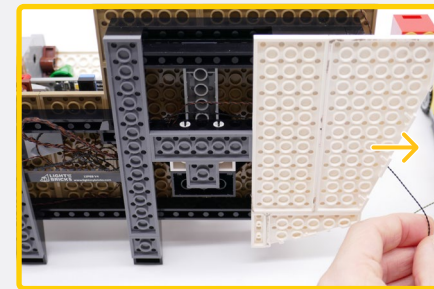
NOTE

Lay the 12-Port Expansion Board on the indicated studs.



NOTE

Pull out some excess length on the cable connected to the bus.



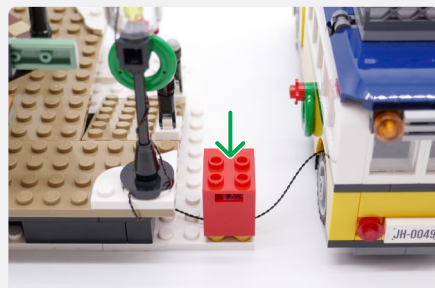
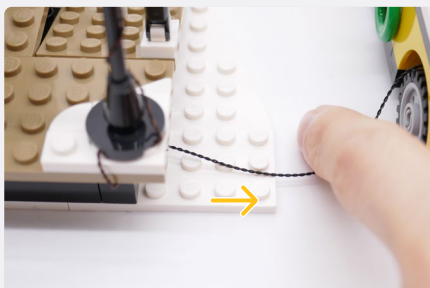
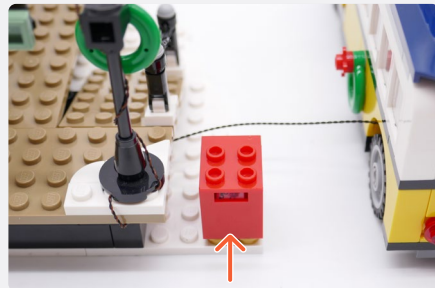
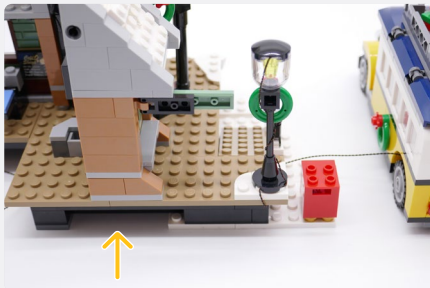
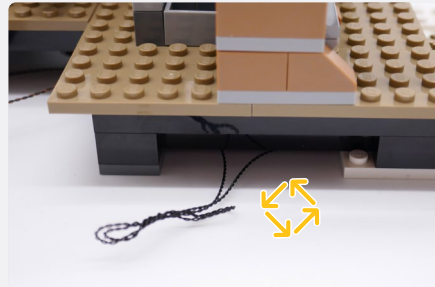
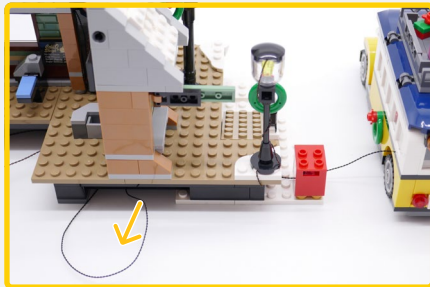
34



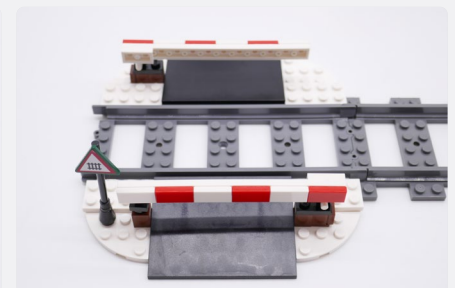
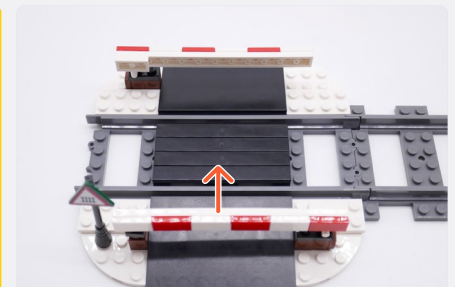
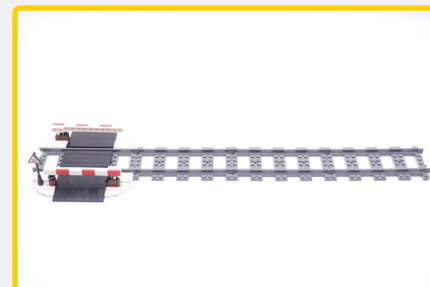
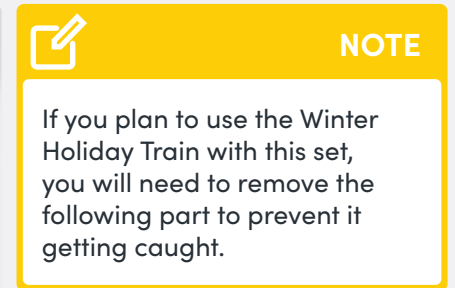
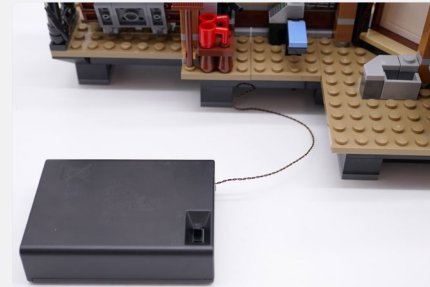
NOTE

If you wish to have the car able to move around skip to Step 35.





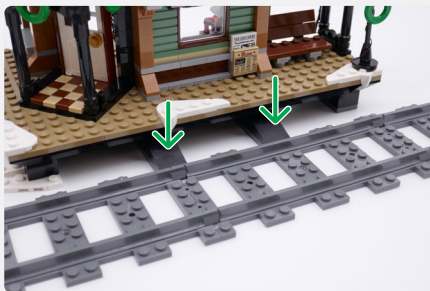
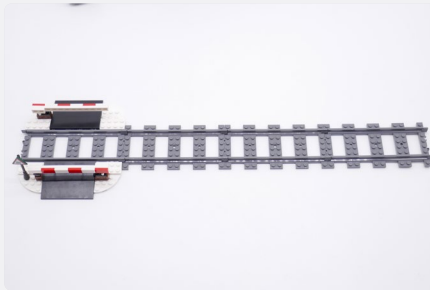
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NOTE

If you plan to use the Winter Holiday Train with this set, you will need to remove the following part to prevent it getting caught.





### NOTE

You should have these parts left over that were removed from the LEGO set

### Removed Pieces



! 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 in our troubleshooting section. i

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## FINAL PRODUCT

This finally completes installation of the Light My Bricks

LEGO® Winter Village Station 10259 Light Kit.





## TROUBLESHOOTING

Light My Bricks lighting kits contain individual components that are very small and can be easily damaged if not handled correctly.

To prevent unnecessary damage to components, we highly recommend that the User Guide section, **“Important things to note”** is read carefully. Follow the handling procedures in the User Guide to help prevent faults and damages to your Light My Bricks components.

If you are experiencing issues with your Light My Bricks set, watch our troubleshooting video [here](#) or read on for a list of common causes to help you troubleshoot.

## Troubleshooting

**Firstly, ensure that the batteries have power using a battery charge gauge.**

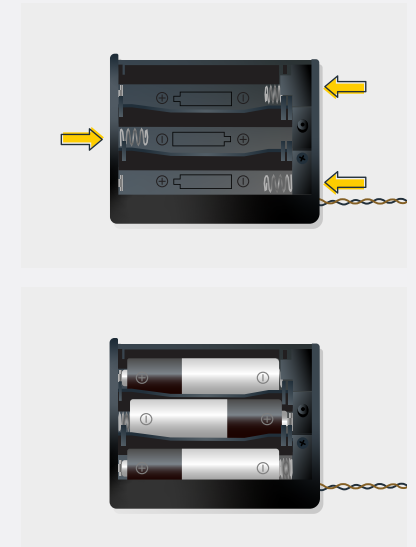
**If the batteries have no power, replace the batteries.**

**If the batteries still have power, check to see if the batteries have been inserted correctly into the battery pack.**

### Check for AA batteries using the AA battery pack

Inside the battery pack are symbols indicating which direction the AA battery should be inserted. The flat side of the battery should be paired with the spring side of the battery pack.

If the batteries have been installed correctly and your kit still isn't operating correctly, the next step is to check the wiring.





# Troubleshooting

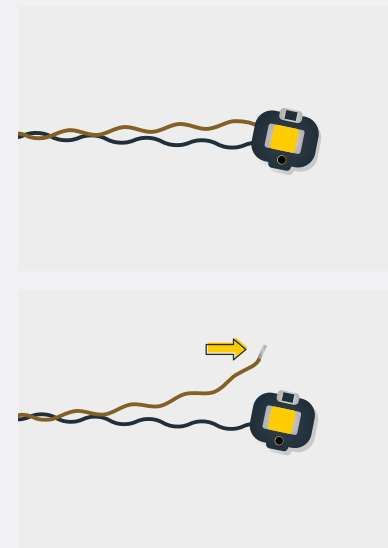
## Check Your Wires

In order for Light My Bricks components to fit in between and underneath LEGO® bricks, the components need to be very small. Due to this nature, Light My Bricks components can be easily damaged when not handled correctly.

Be careful when removing unpacked components out of the packaging and ensure not to forcibly pull at the wires as this can damage the soldering that attach the wires to the LEDs.

If the wiring is detached from the LED itself, the light will not operate.

When connecting lights to your LEGO® set, check that there are no pinched wires underneath or in between bricks and plates. When the wires are pinched and the exposed wires are touching each other, this can cause a crosswire and the lights to not function correctly.



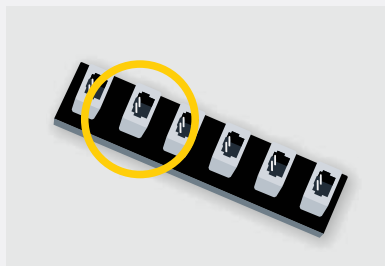
## Troubleshooting

### Check Your Expansion Board Ports/ Strip Light Ports / Effects Board Ports

It is important to note that connectors can only be inserted to the expansion board, strip light, or effects board ports in one direction.

Forcibly inserting connectors in the incorrect direction will result in damaging the pins inside each of the ports on your component board.

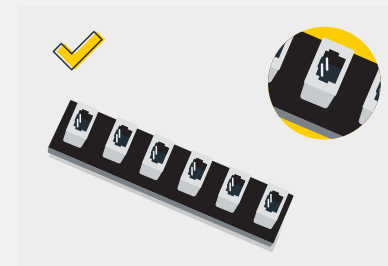
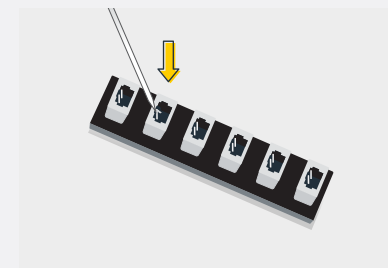
Not only will a light connected to the damaged port not work, but if the pins inside the port are bent to a point they are touching each other, this can result in all other lights in the system to stop working. This is a short circuit.



A short circuit can also result in overheating of the board, cable or batteries. If you suspect a short circuit, **DISCONNECT POWER IMMEDIATELY**. Batteries can fail, catch fire, or even explode if left connected to a short circuit for too long.

If you suspect you have a faulty component due to a bent pin, try the following steps:

If you look carefully inside each of the ports, each port contains 2 small pins that should be straight. You will be able to identify a faulty port if it has any bent pins.





## CONTACT US

If you have an enquiry regarding the online shop, our products or a general enquiry please refer to our Frequently Asked Questions webpage here. Alternatively, you can contact our Customer Services team by visiting our online support portal here.

**[support.lightmybricks.com](https://support.lightmybricks.com)**

We thank you for purchasing this product and hope you enjoy!





[lightmybricks.com](https://lightmybricks.com)