



**LIGHT^{MY}
BRICKS**



**LEGO® GRINGOTTS WIZARDING BANK
COLLECTOR'S EDITION #76417 LIGHT KIT
PART 2
INSTALLATION GUIDE**

Light My Bricks



LEGO® GRINGOTTS WIZARDING BANK COLLECTOR'S EDITION 76417 INSTALLATION GUIDE

Hi There!

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

Gringotts Wizarding Bank Collector's Edition 76417 Light Kit.

This PDF details the instructions for the LED light kit only.

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

Have fun and enjoy!

INSTALLATION GUIDE



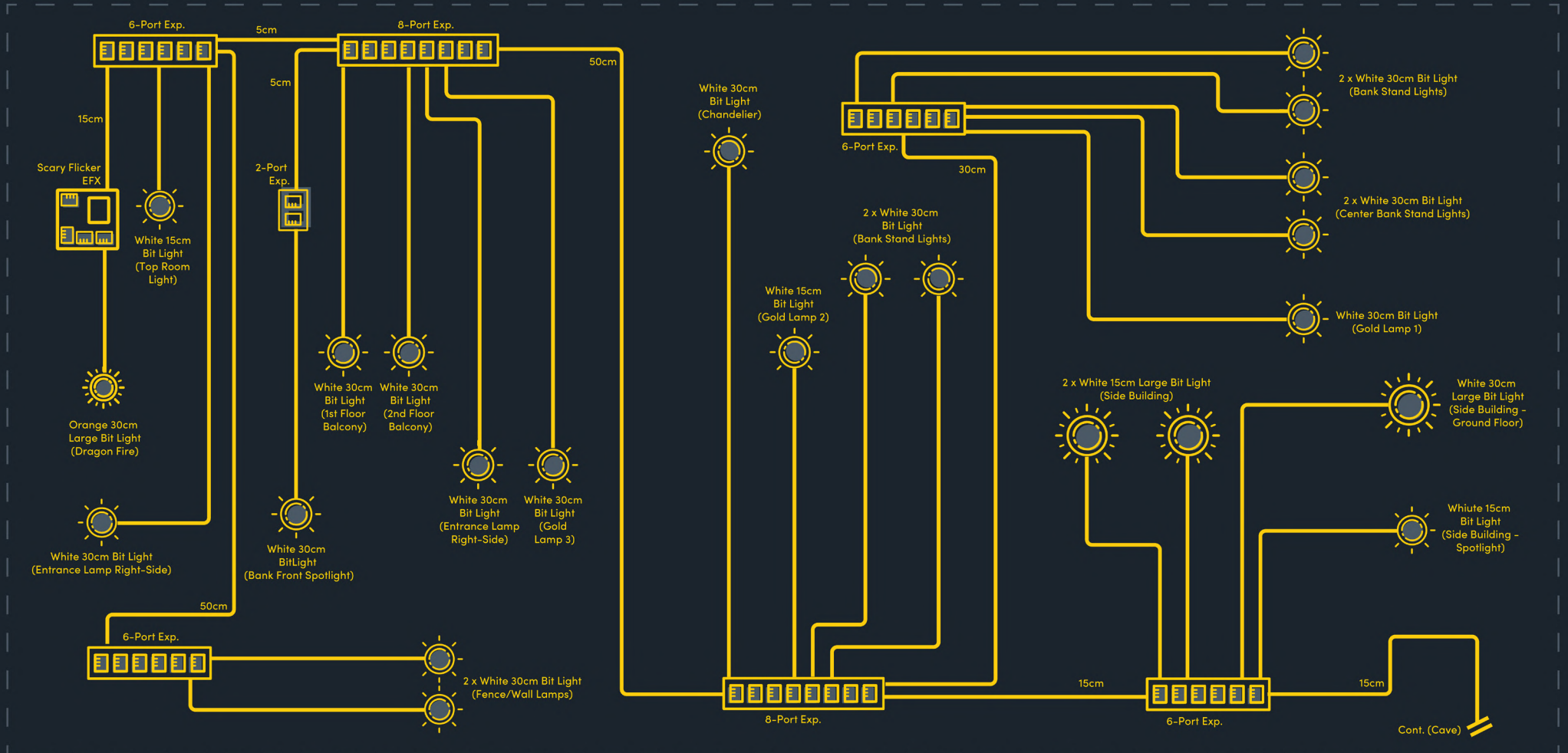
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BLUEPRINT

Gringotts Bank + Dragon





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.



Wenn Sie Probleme mit Ihrem Light My Bricks-Set haben, sehen Sie sich unser Video zur Fehlerbehebung an oder lesen Sie die Auflistung der häufigsten Ursachen, die Ihnen bei der Fehlersuche helfen hier.



Si vous rencontrez des problèmes avec votre kit Light My Bricks, regardez notre vidéo de dépannage ou consultez la liste des causes les plus fréquentes pour vous aider à les résoudre ici.

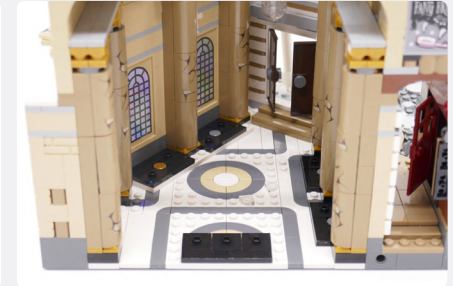
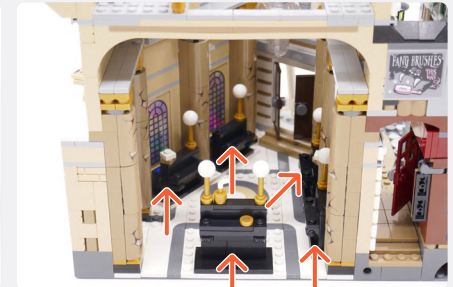


Se si verificano problemi con il set Light My Bricks, guardare il nostro video per la risoluzione dei problemi o leggere l'elenco delle cause più comuni per la risoluzione dei problemi [qui](#).

1



2

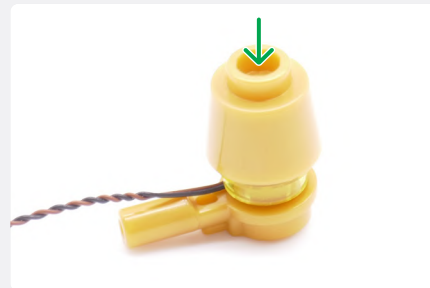
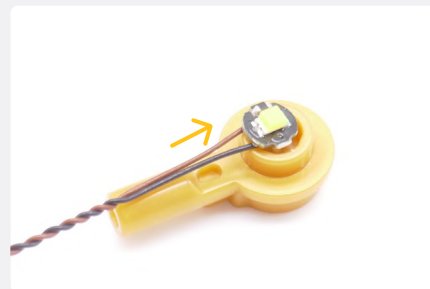




3



White 30cm Bit Light

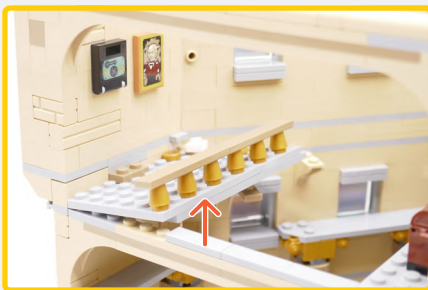


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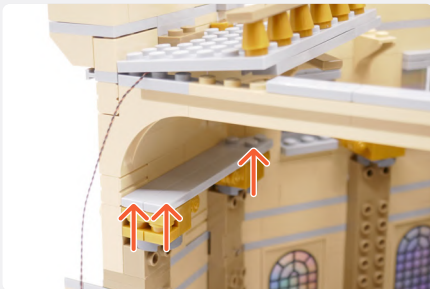
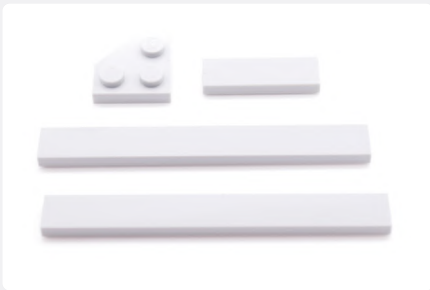
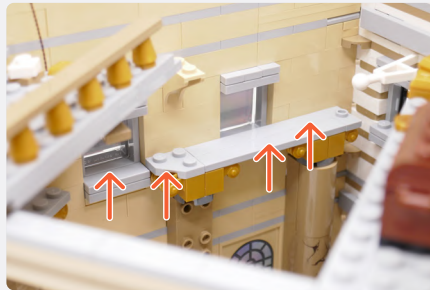
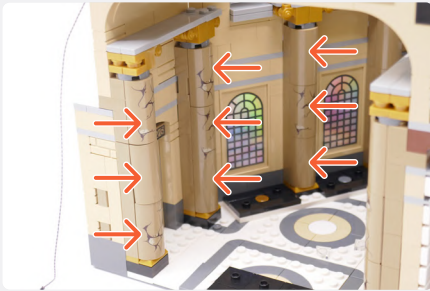


NOTE

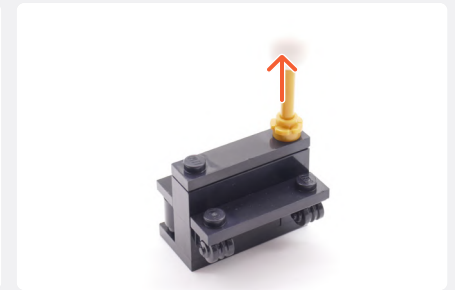
Slightly lift the floor up



5



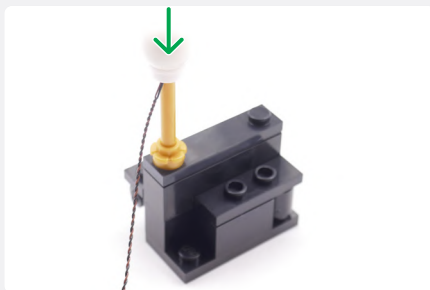
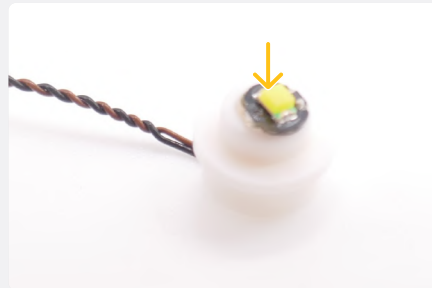
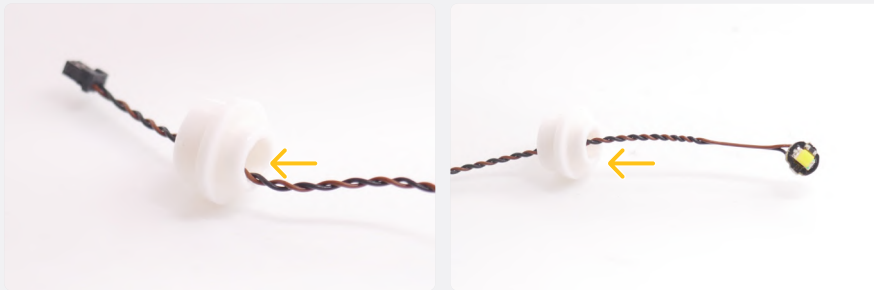
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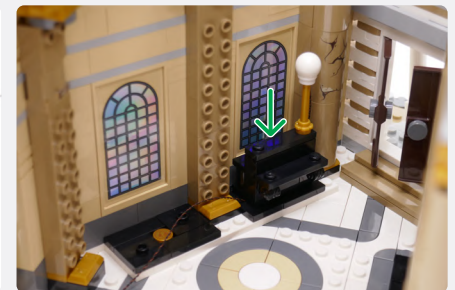
White 30cm Bit Light

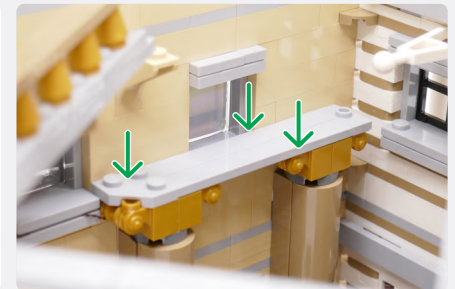
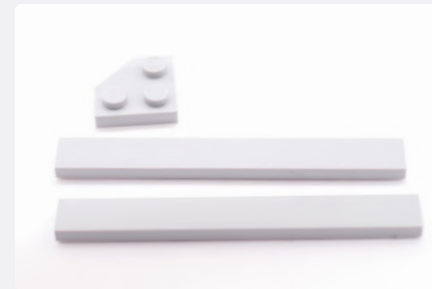
Plate, Round 1x1 with Open Stud - White



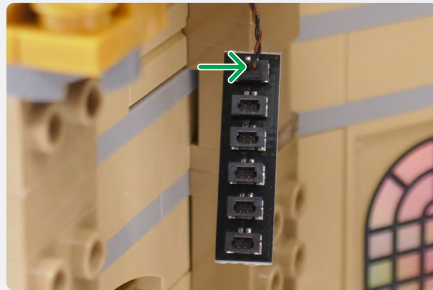
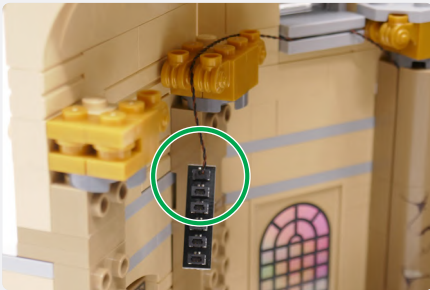
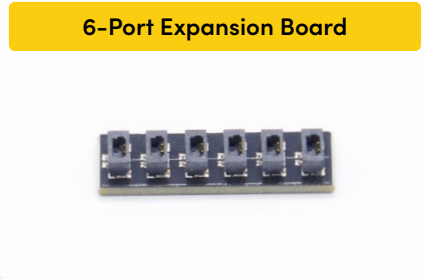


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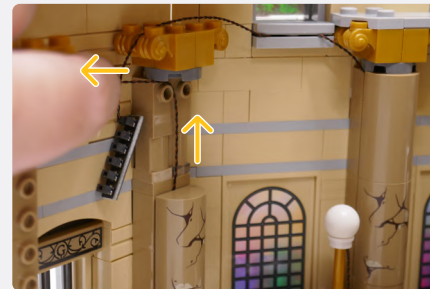
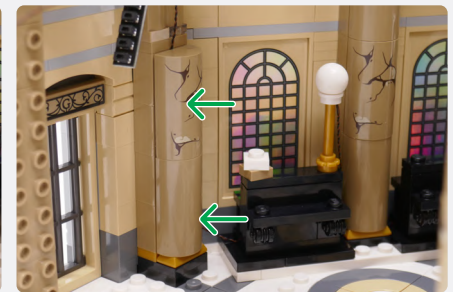




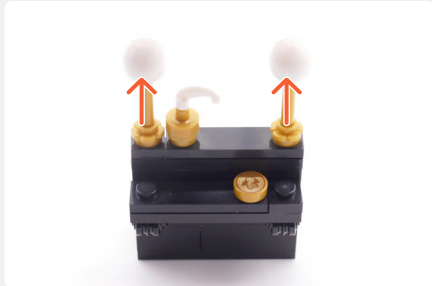
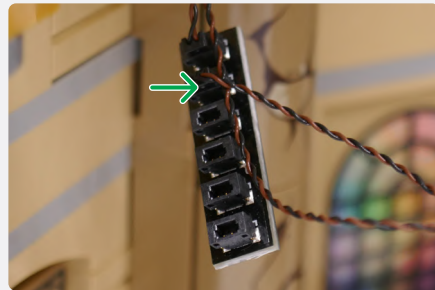
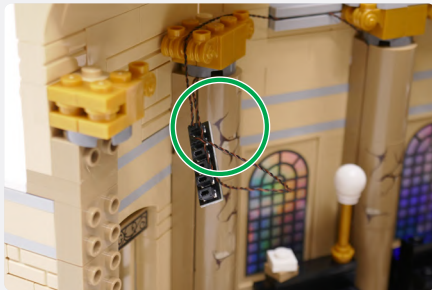
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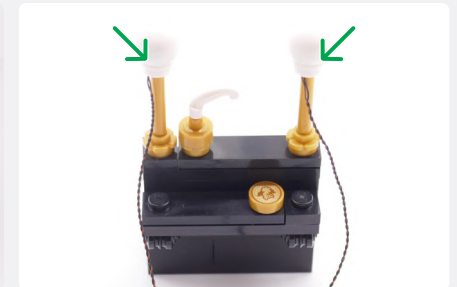
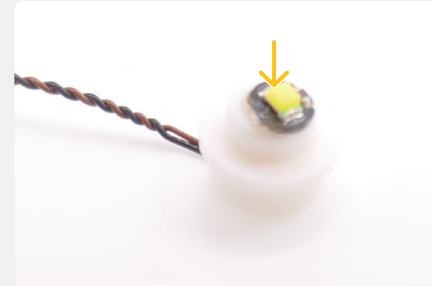
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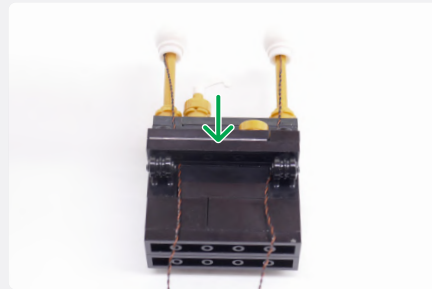


White 30cm Bit Light

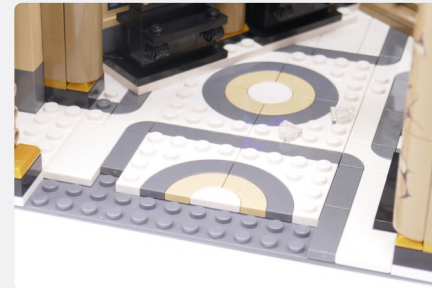
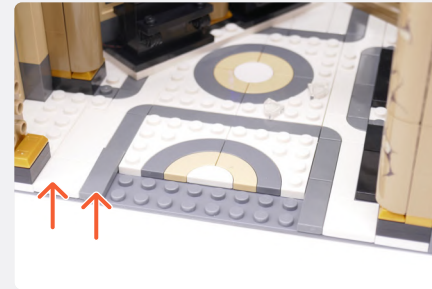
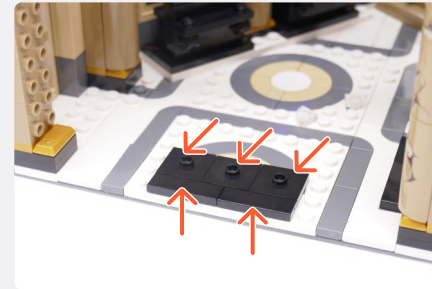


Plate, Round 1x1 with Open Stud - White

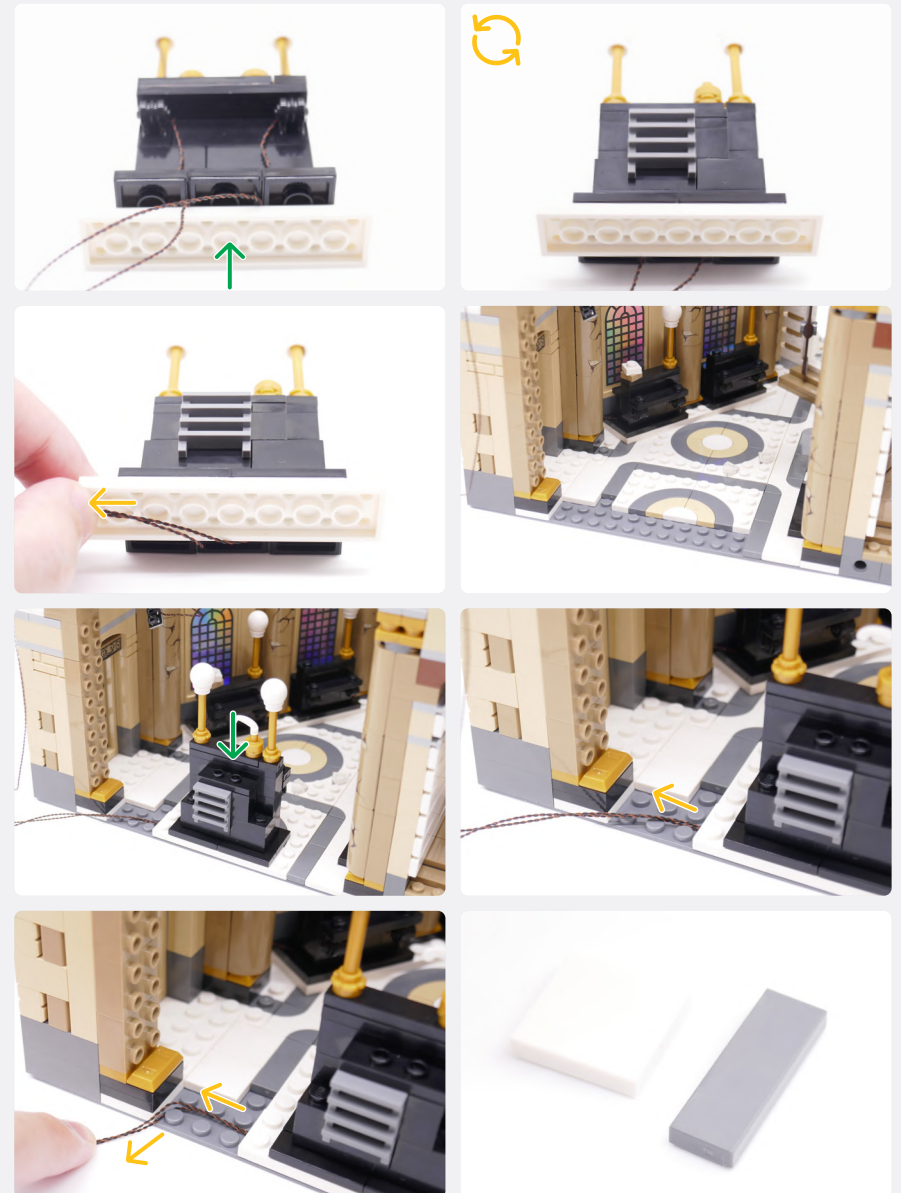
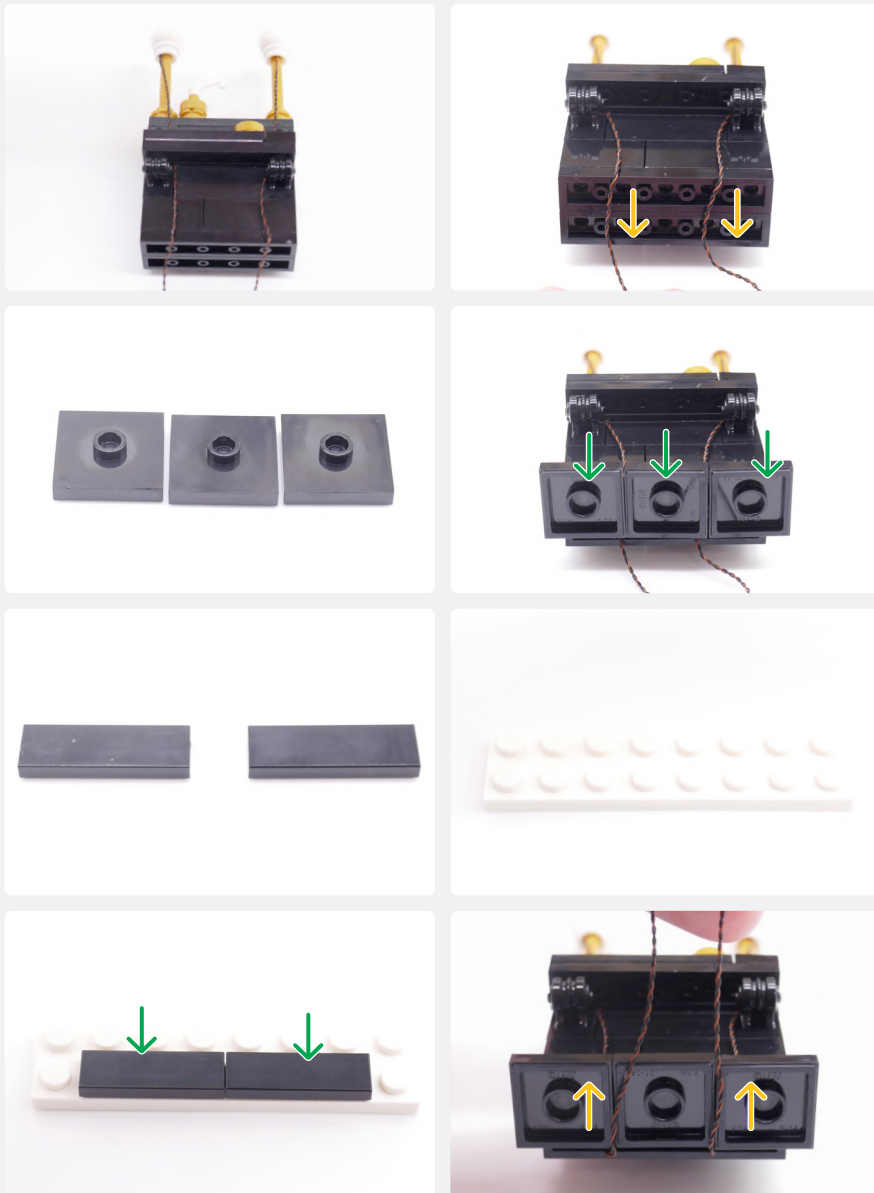




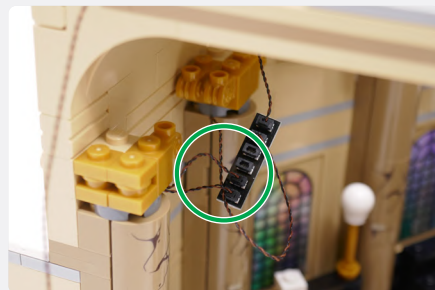
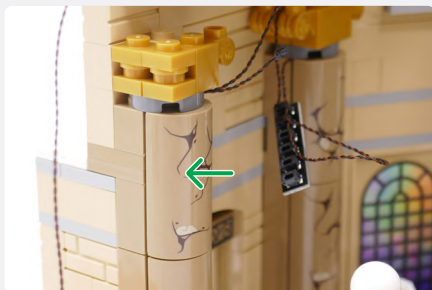
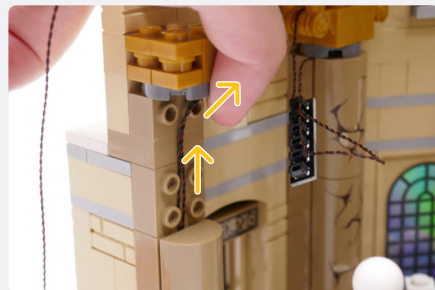
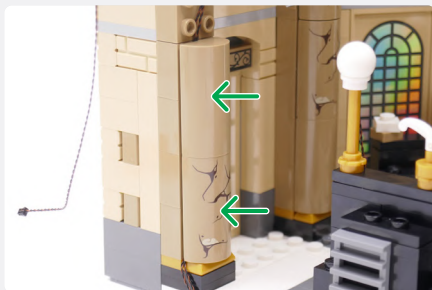
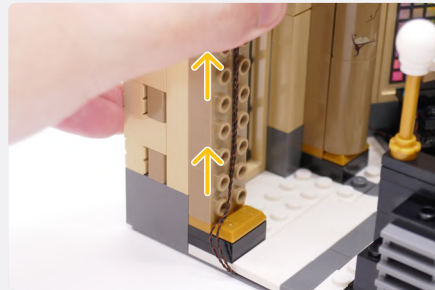
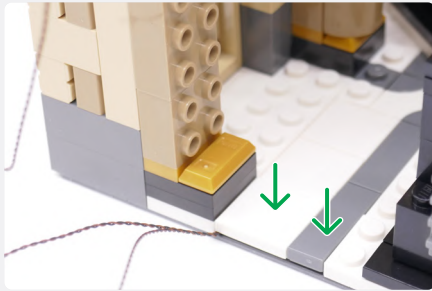
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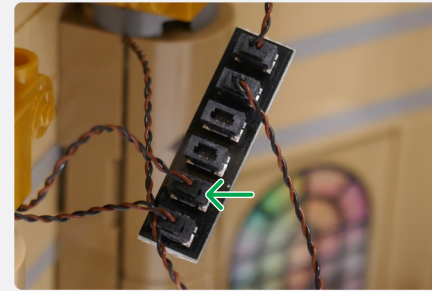
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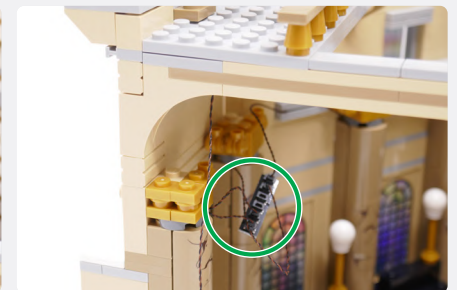
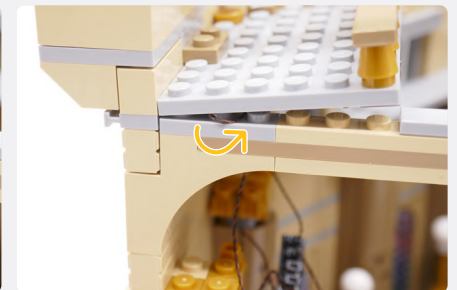
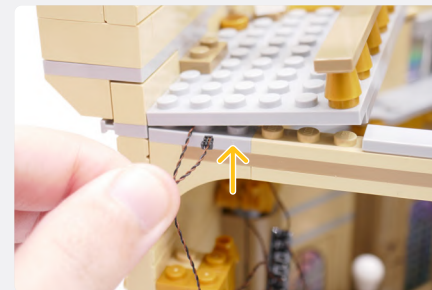


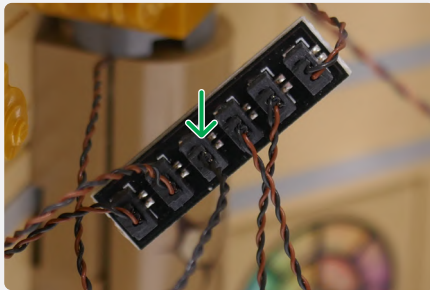
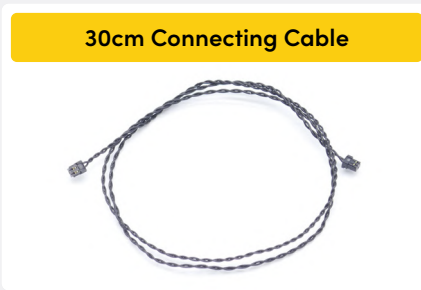
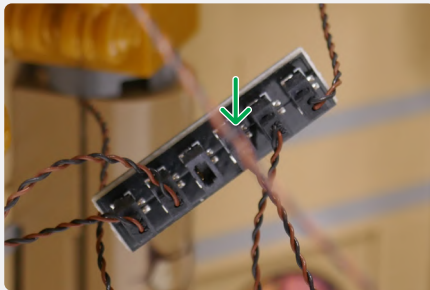
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NOTE

Take the cable from the Gold Lamp (from Step 3) and thread it as shown

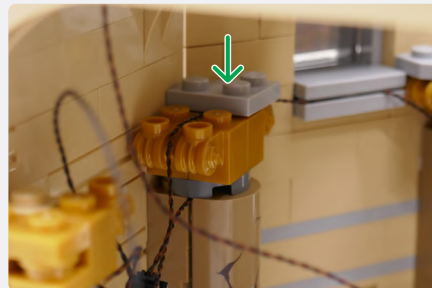




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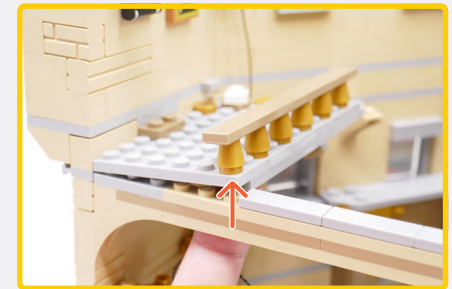
NOTE

Thread the Bit Light from the Bank Stand (Step 7) between the studs



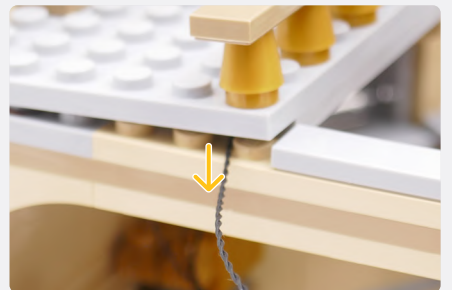
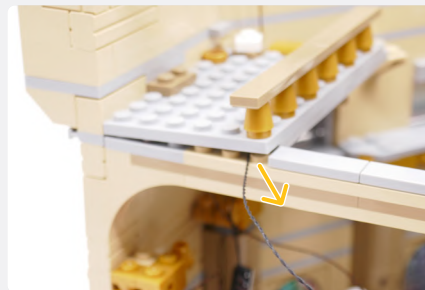
NOTE

Slightly lift the floor again but ensure the cable from the Gold Lamp is still secured in position



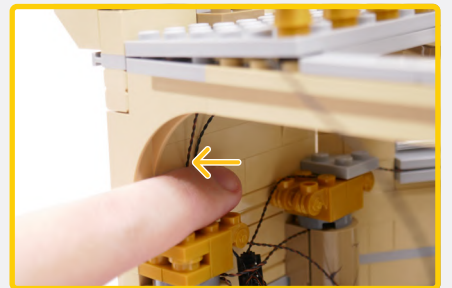
NOTE

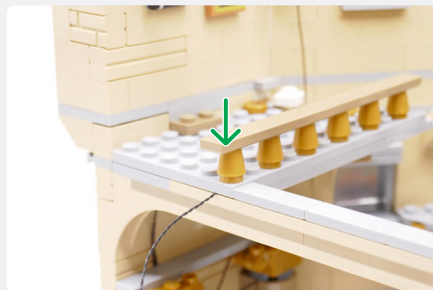
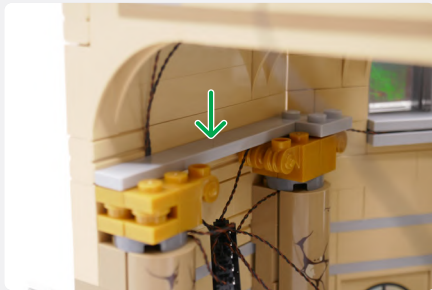
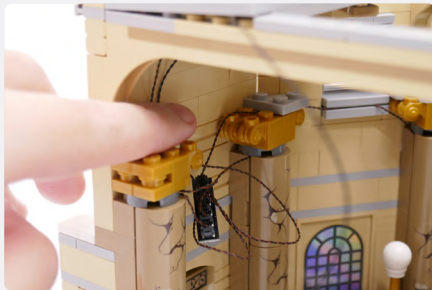
Hold the 6-Port Expansion Board in the following position before routing the 30cm Connecting Cable



NOTE

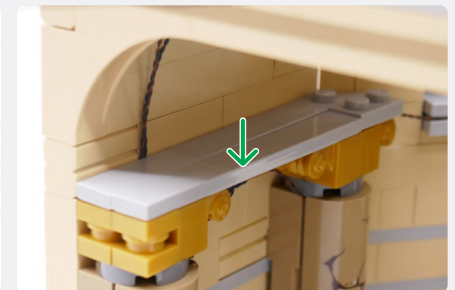
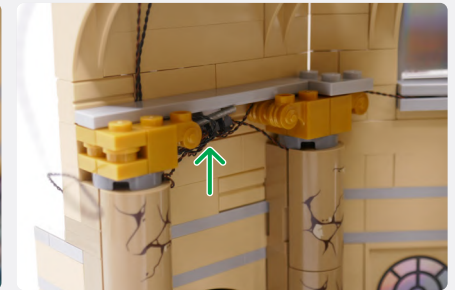
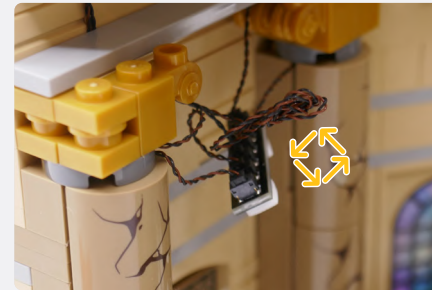
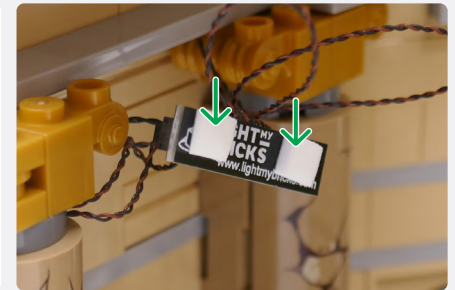
Push the Connecting Cable and Bit Light cable (from the Gold Lamp) against the wall to reduce visibility. Ensure the Expansion Board is still in the same position



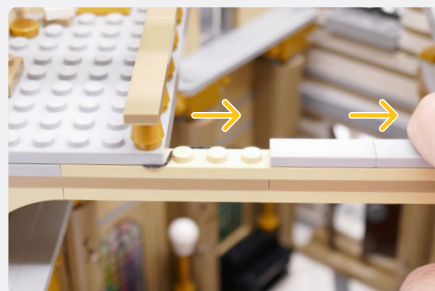
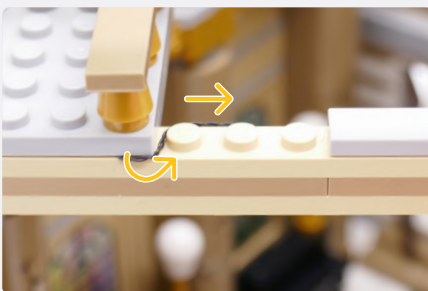
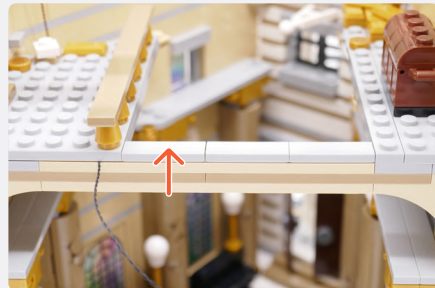


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2x Adhesive Square



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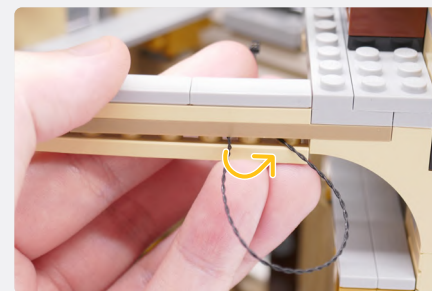
NOTE

Slightly disconnect the following plate

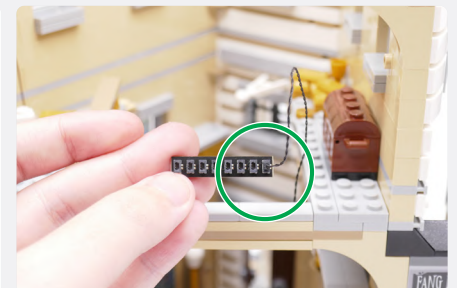


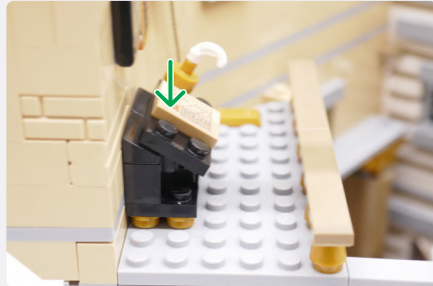
NOTE

Thread the Connecting Cable

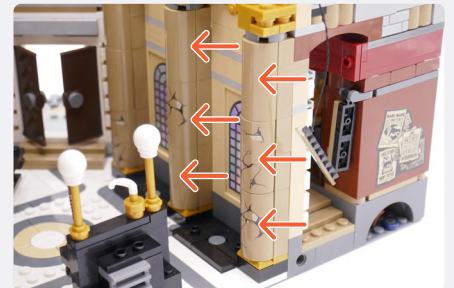
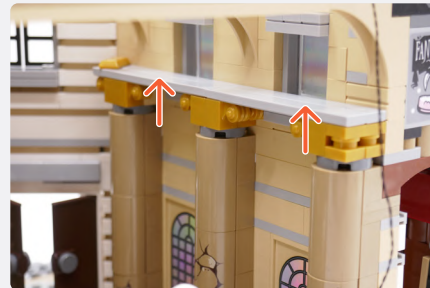


8-Port Expansion Board






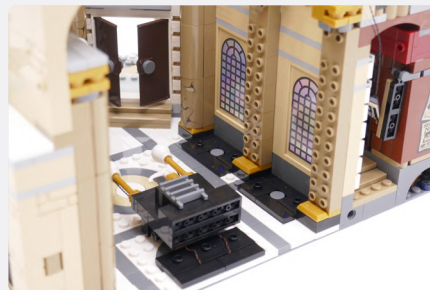
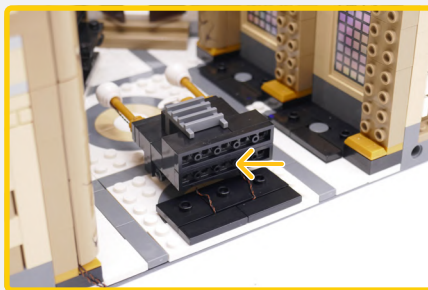
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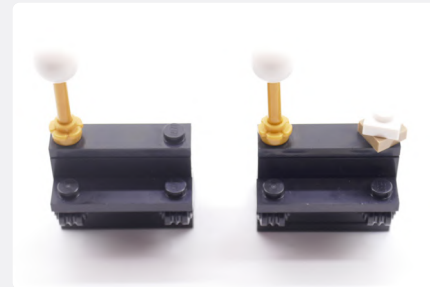


 **NOTE**

If you are having trouble with this section, you can lay down the following bank stand



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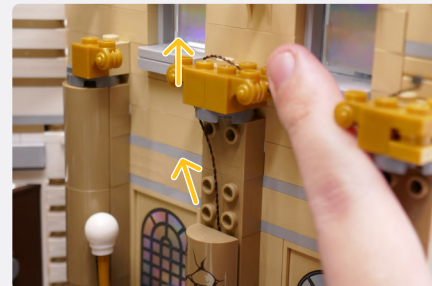
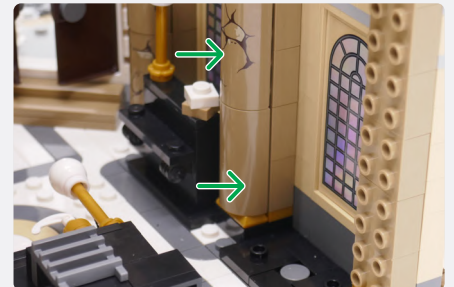
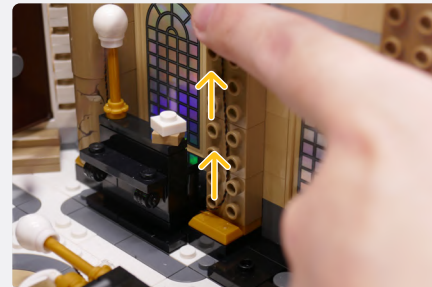
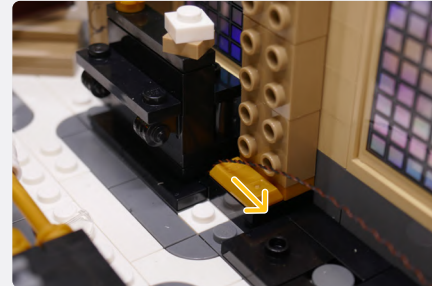
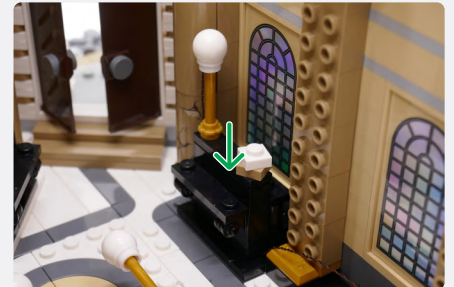
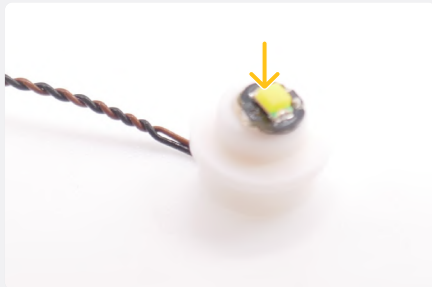
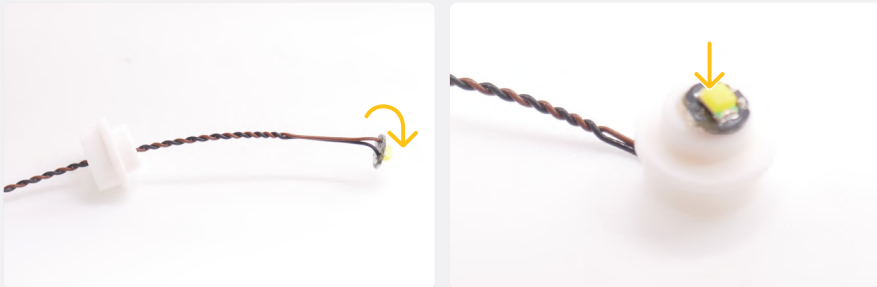


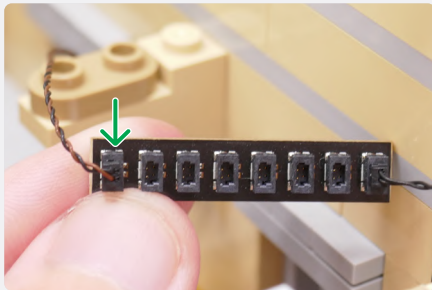
White 30cm Bit Light

Plate, Round 1x1 with Open Stud - White

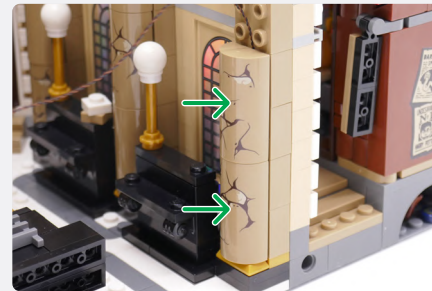
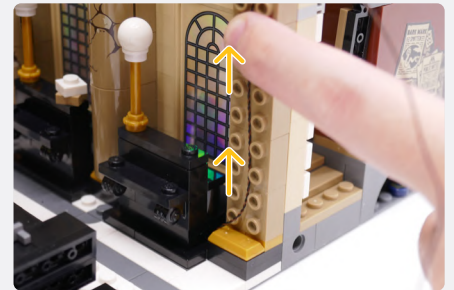
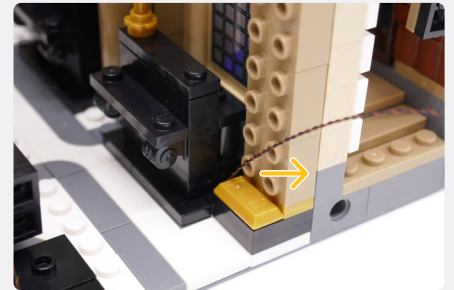
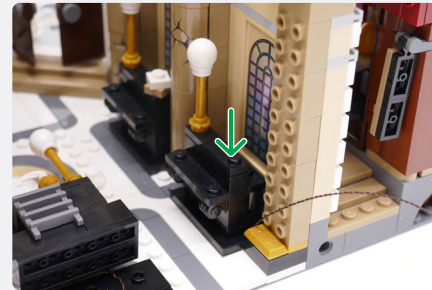


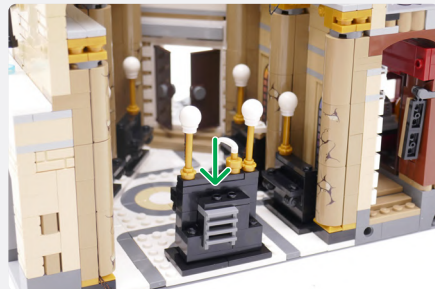
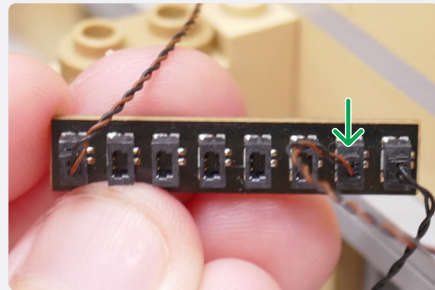
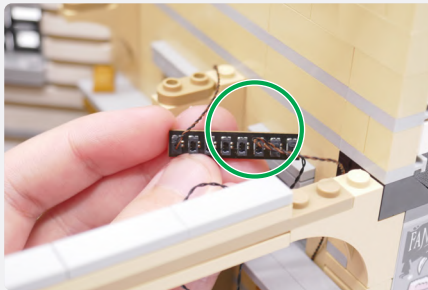
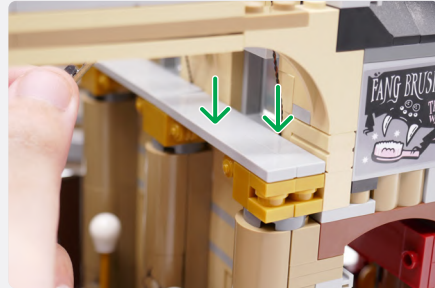
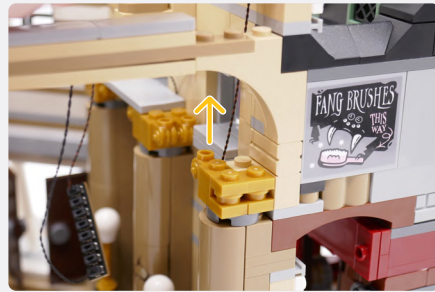
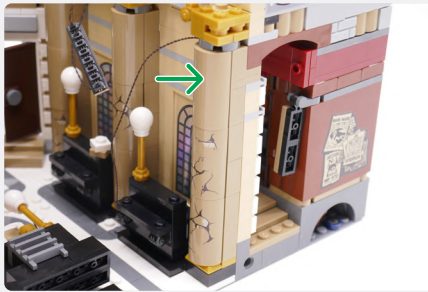
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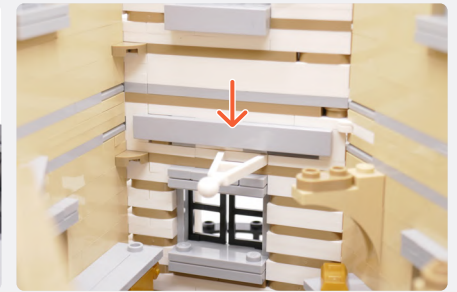


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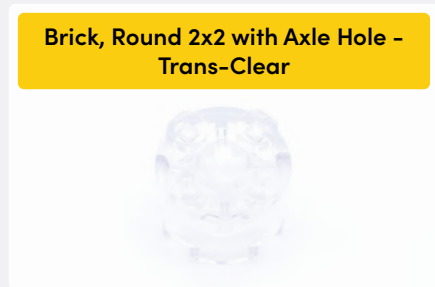


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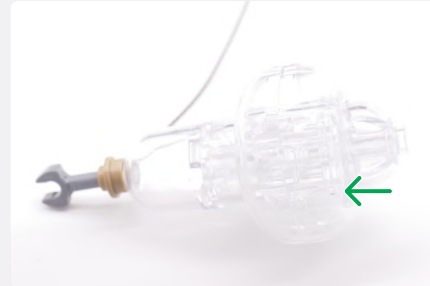


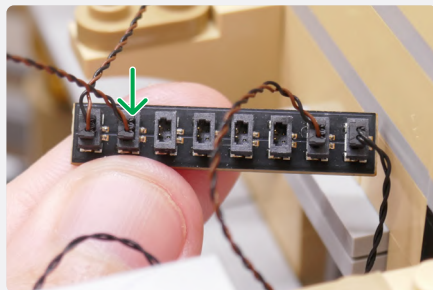
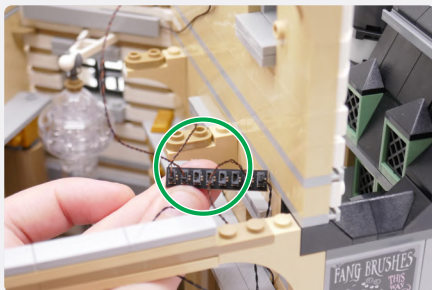
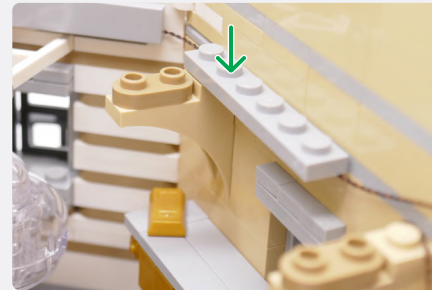
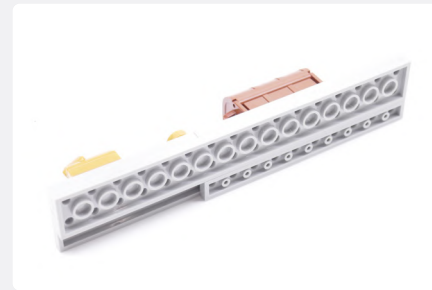
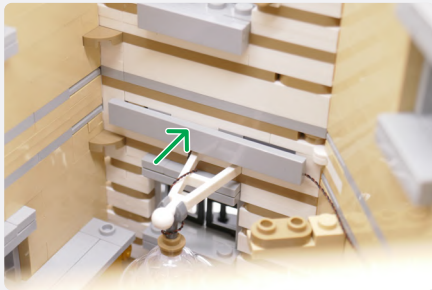
23



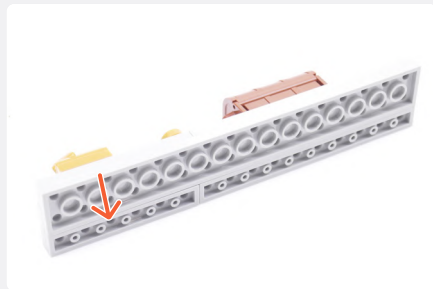


24



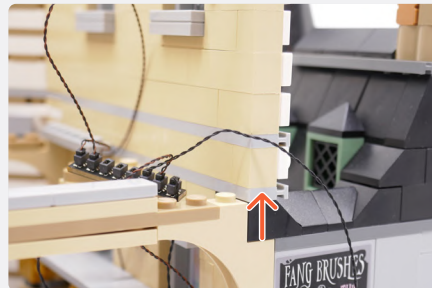
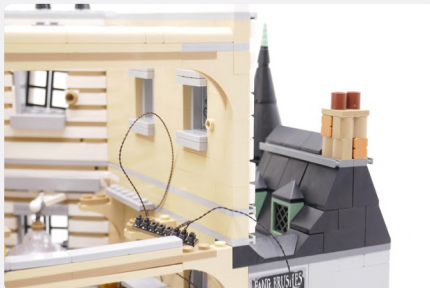
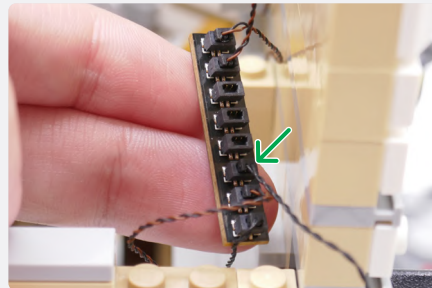
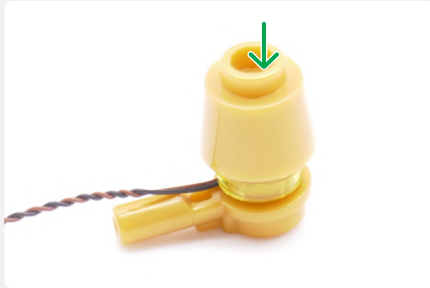
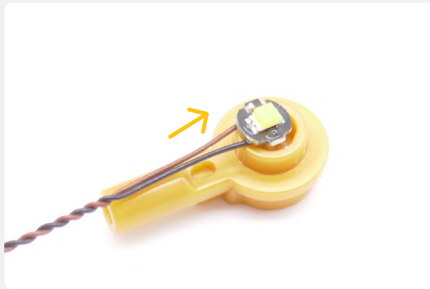


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White 15cm Bit Light



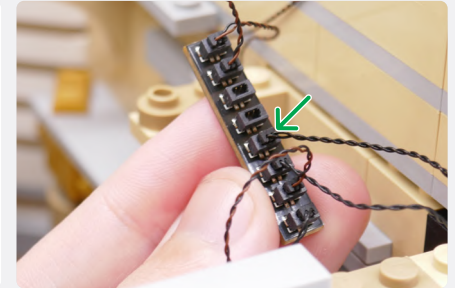


NOTE

Slightly lift the wall as shown

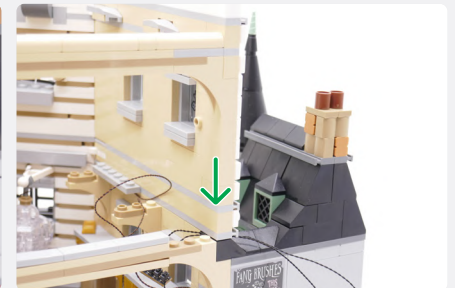
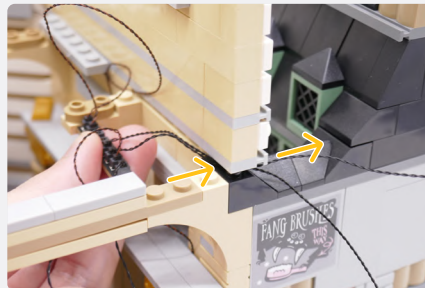
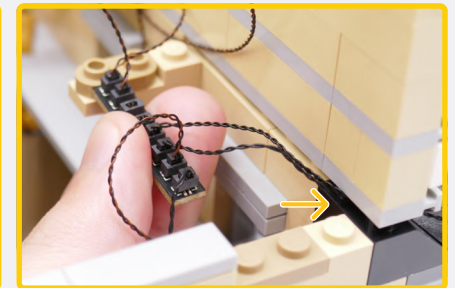


50cm Connecting Cable



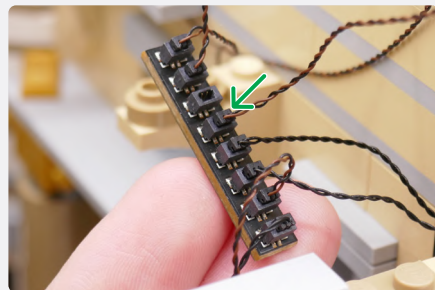
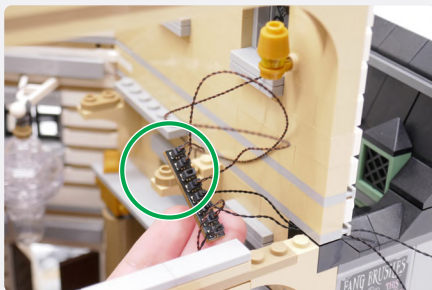
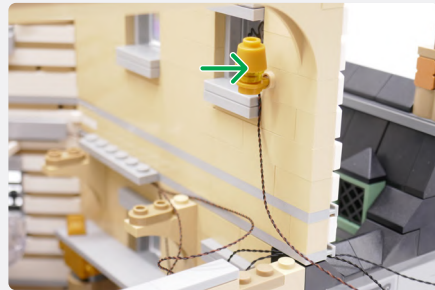
NOTE

Thread both Connecting Cables between the wall as shown



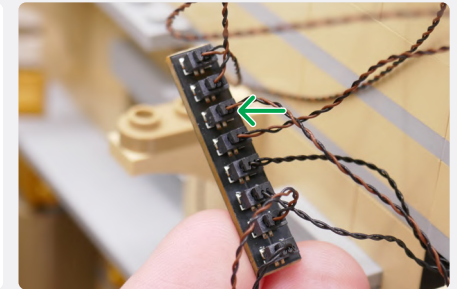
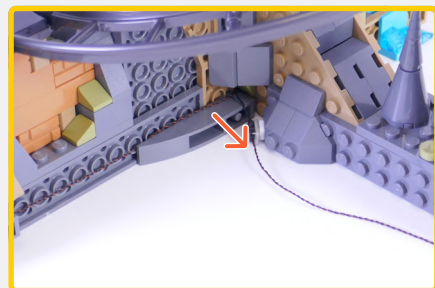
26

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NOTE

Disconnect the USB Power Cable from the base section (Part 1)



NOTE

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

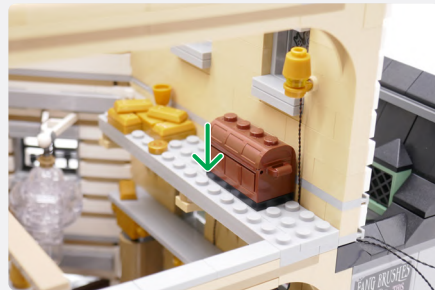
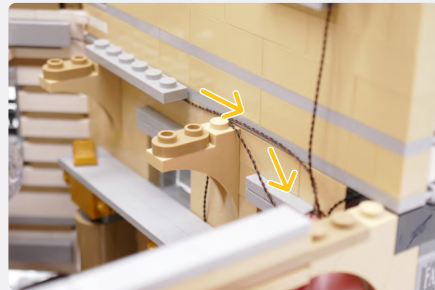
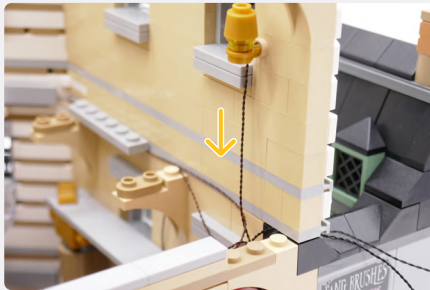
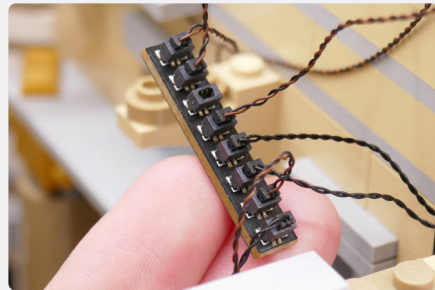
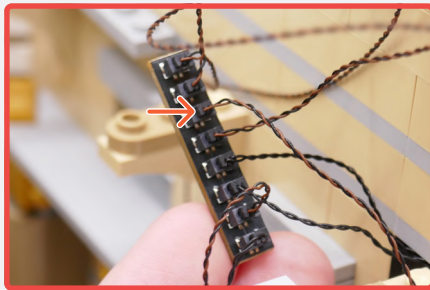


If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing expansion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

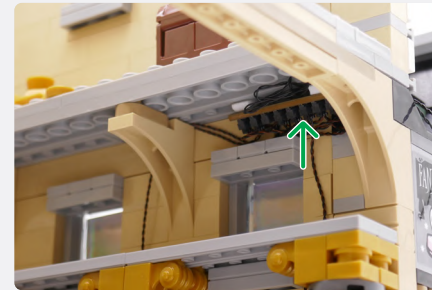
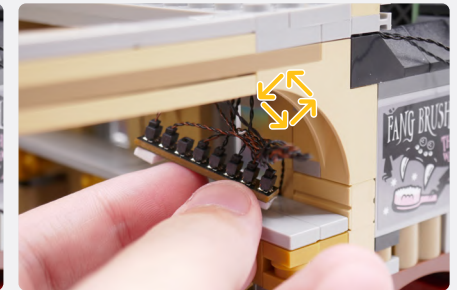
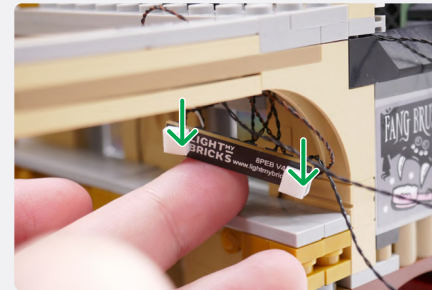
NOTE

Disconnect the USB Power Cable

28



2x Adhesive Square



NOTE

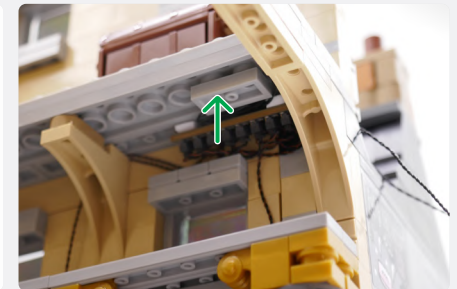
Ensure there are no visible dangling cables



NOTE

Use the Plate 1x2 to assist in pinning up any dangling cables

Plate 1x2 - Light Bluish Gray

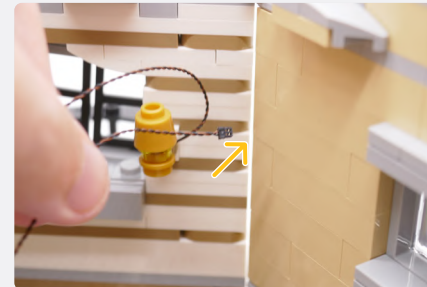
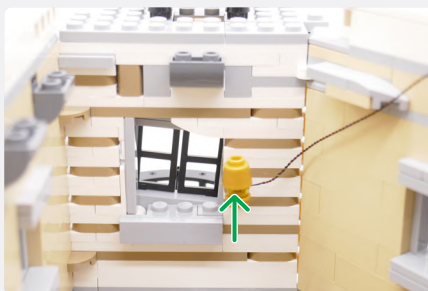


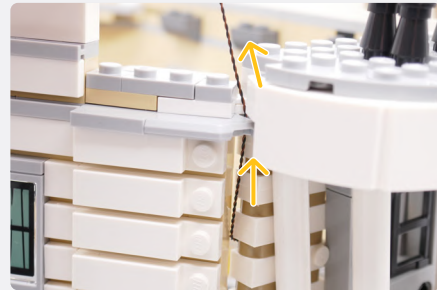
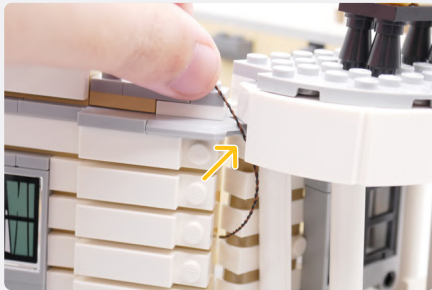
29



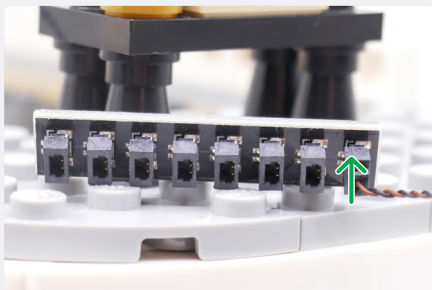
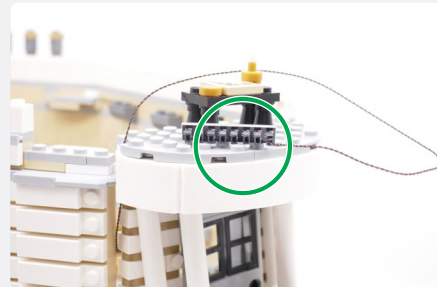
NOTE

Take the second Gold Lamp (30cm Bit Light) from Step 3





8-Port Expansion Board



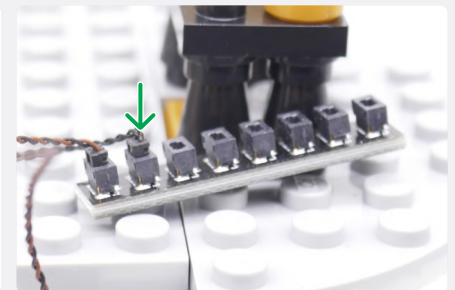
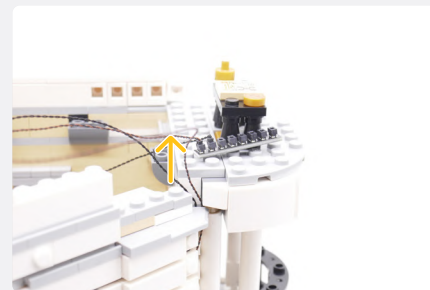
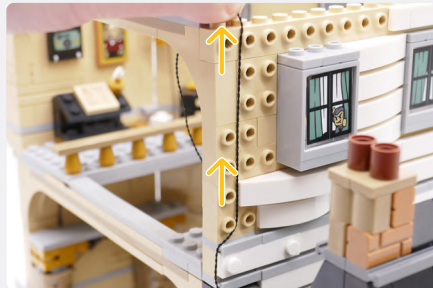
30



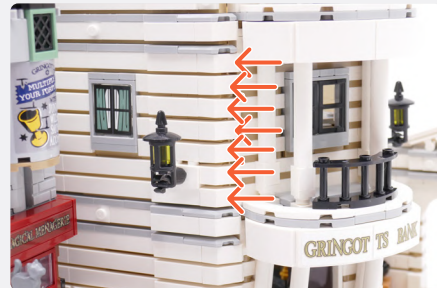


NOTE

Take the 50cm Connecting Cable from Step 26 and route it as shown



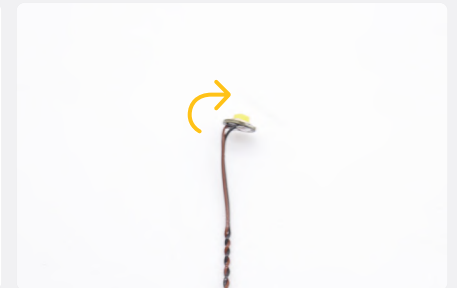
31



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White 30cm Bit Light



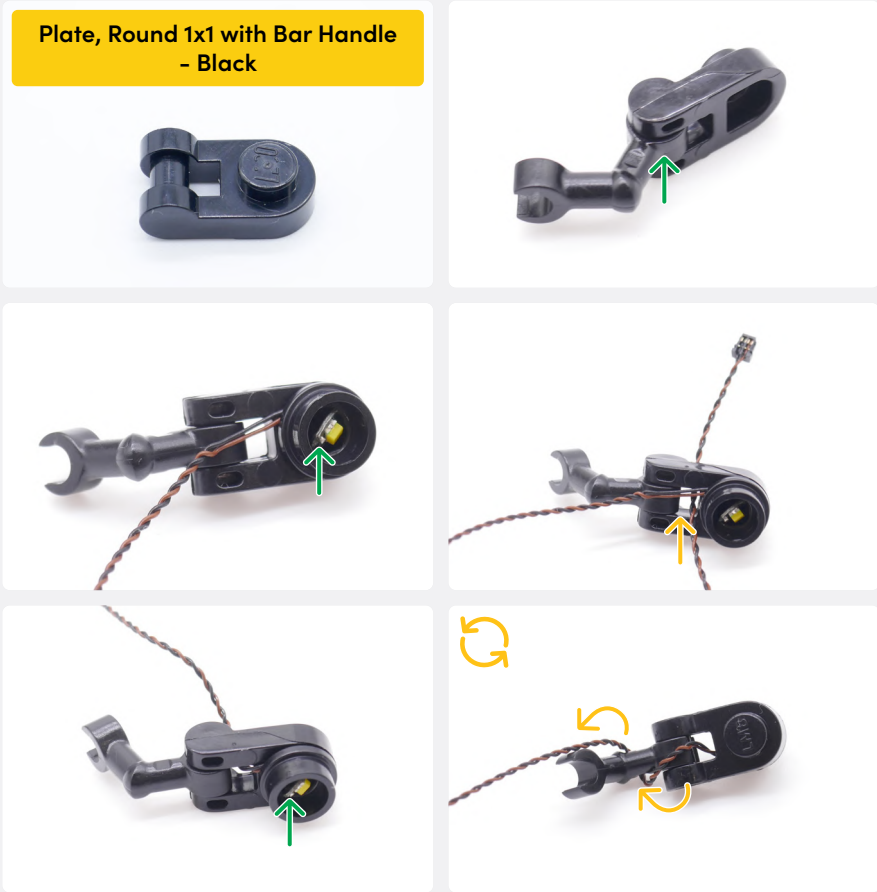
Plate, Round 1x1 with Open Stud - Black



Arm Skeleton, Bent with Clips at 90 degrees (Vertical Grip) - Black

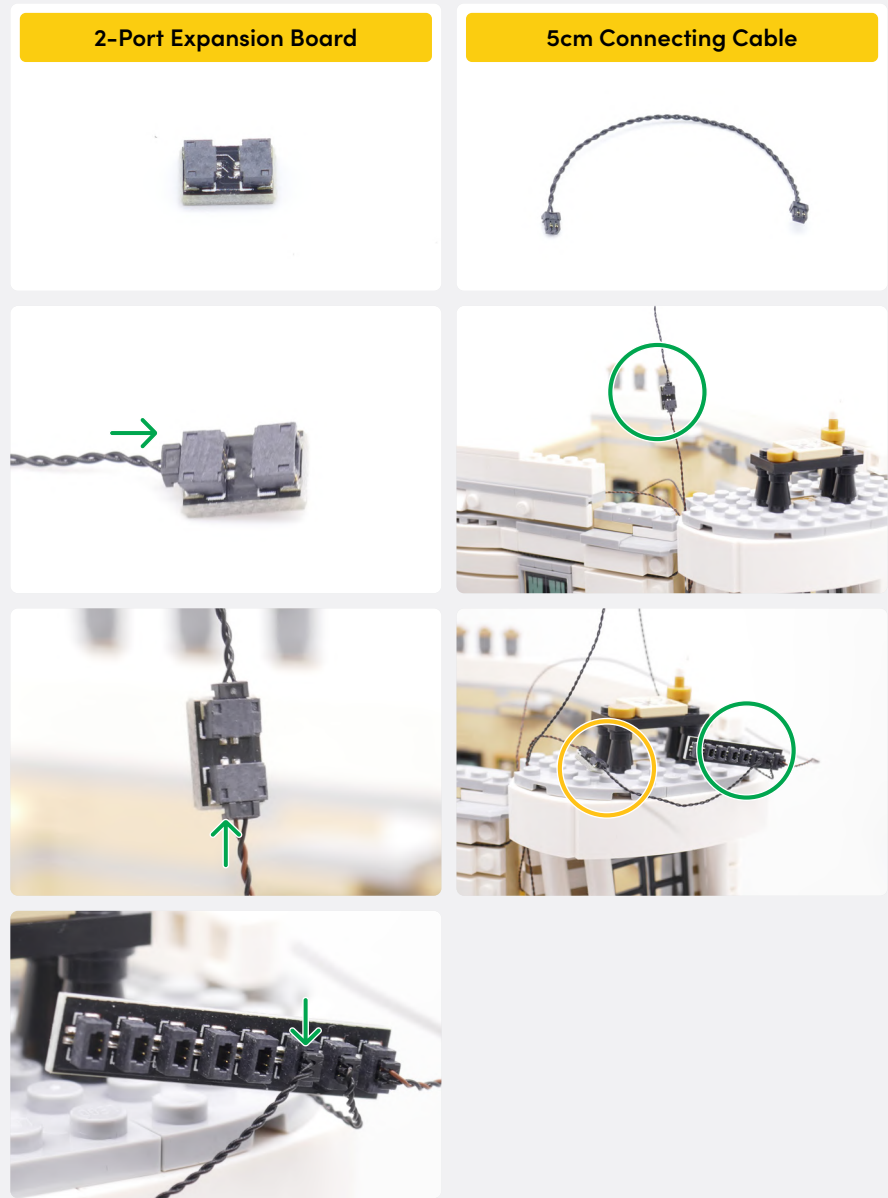
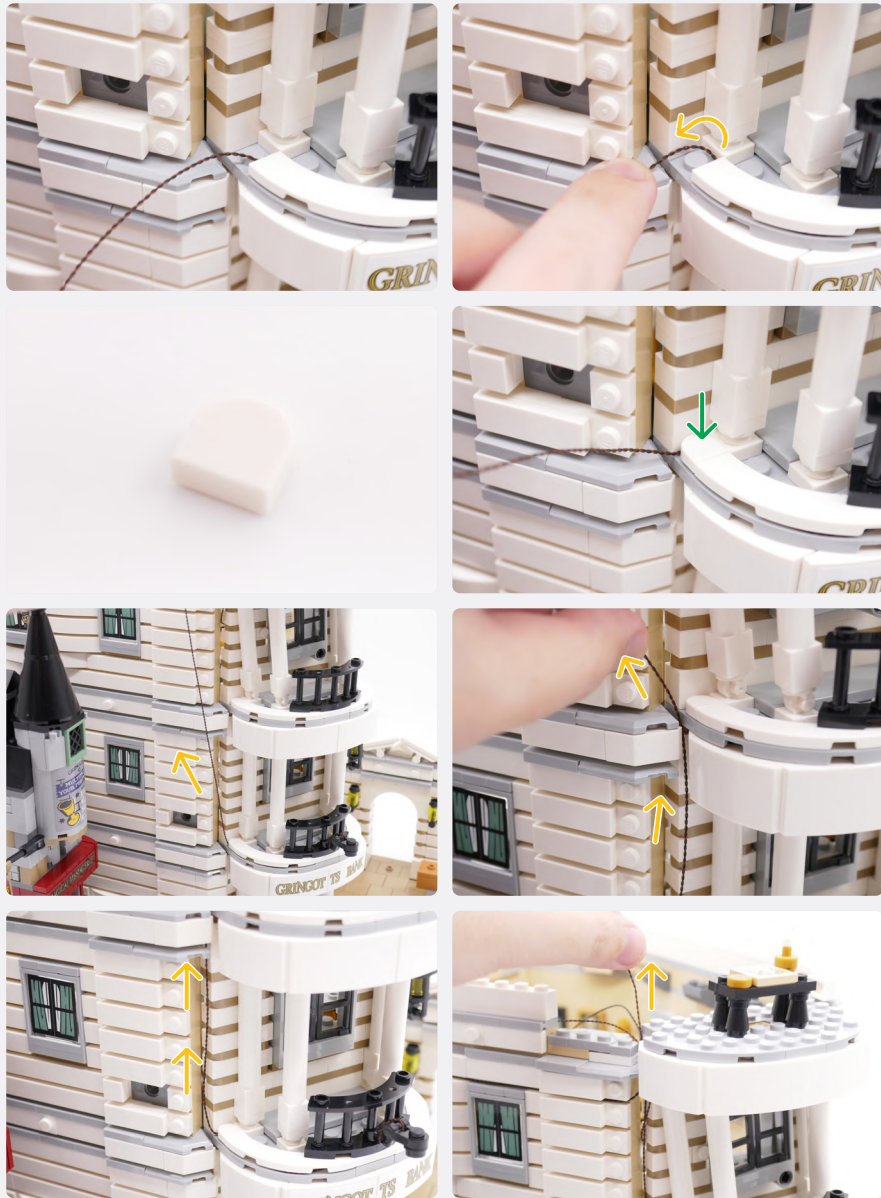


Plate, Round 1x1 with Bar Handle
- Black



33





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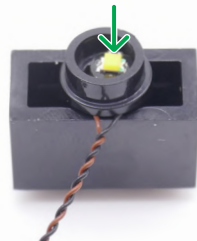
White 30cm Bit Light



Plate, Round 1x1 with Open Stud - Black



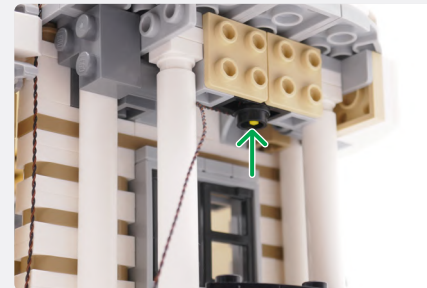
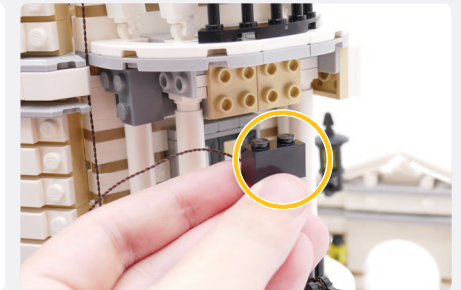
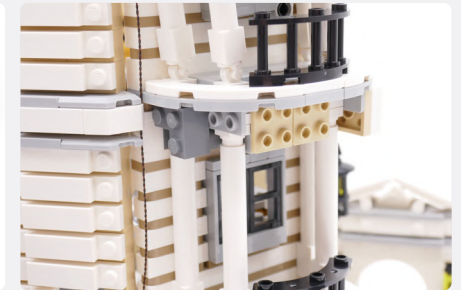
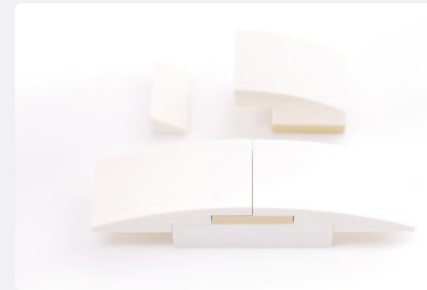
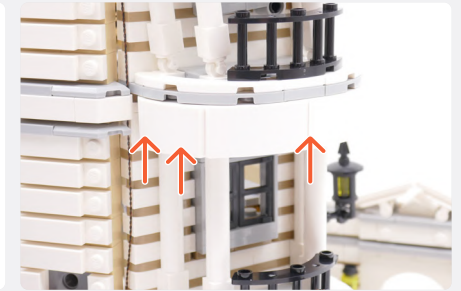
Brick 1x2 - Black



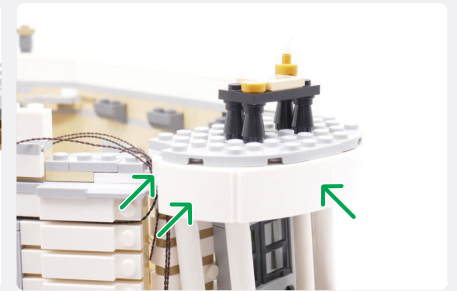
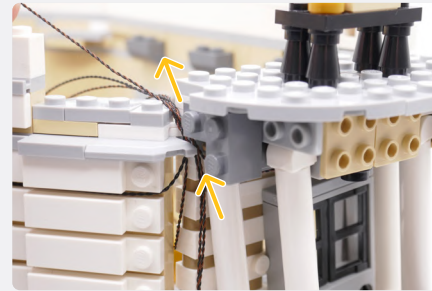
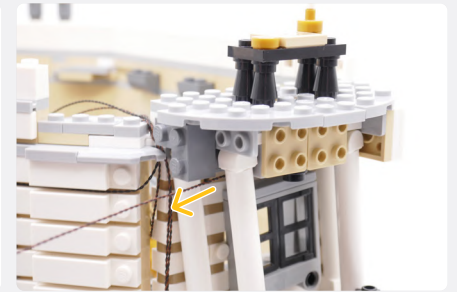
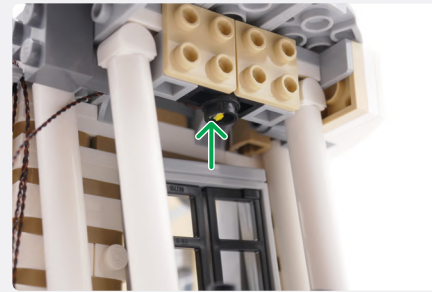
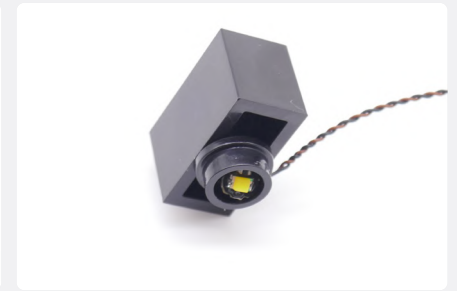
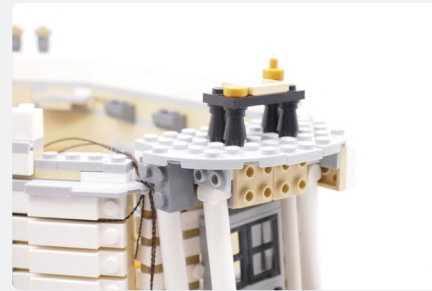
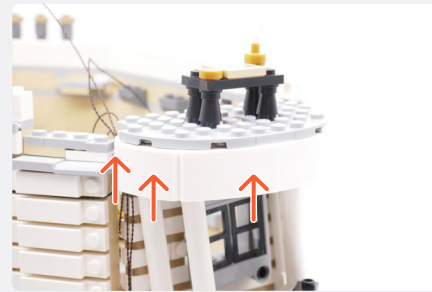
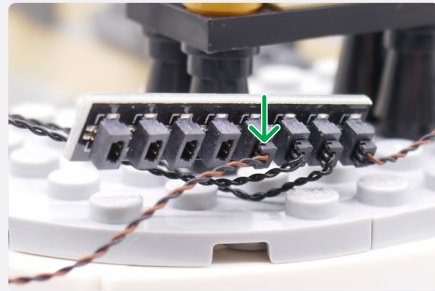
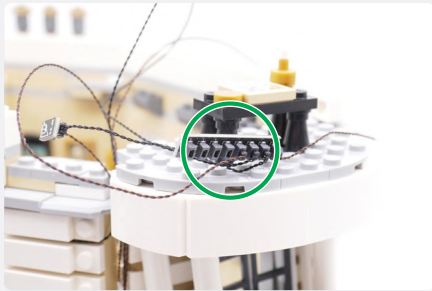
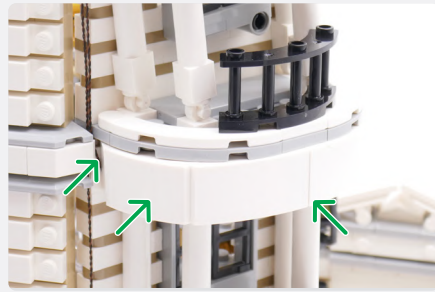
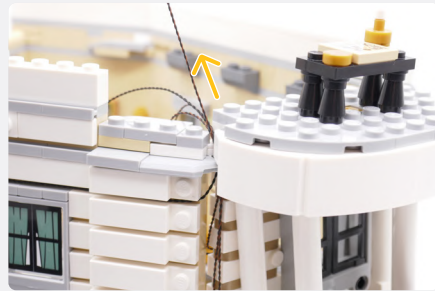
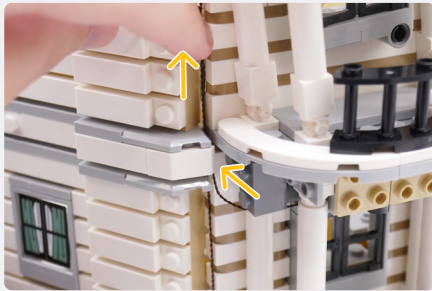
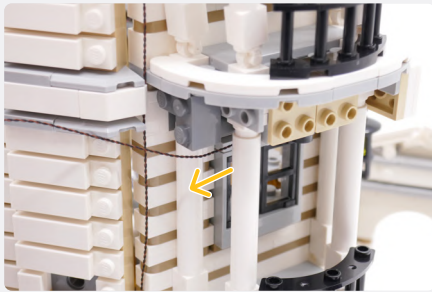
x2



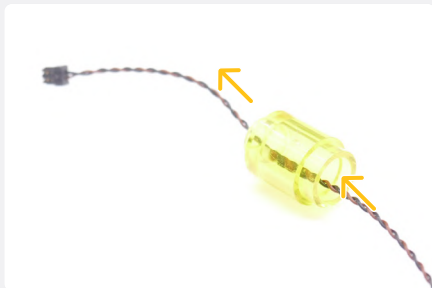
35



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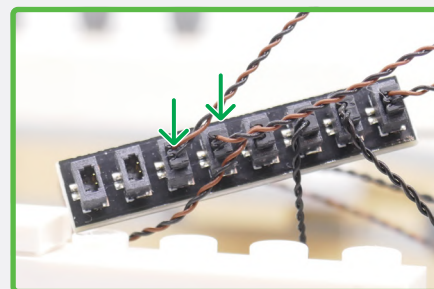


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NOTE

Connect both loose Bit Lights to the Expansion Board

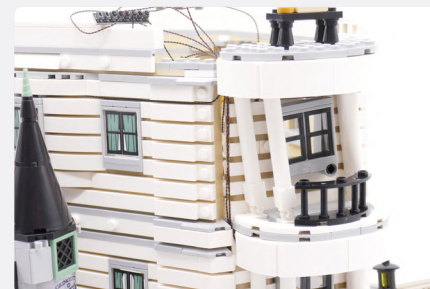


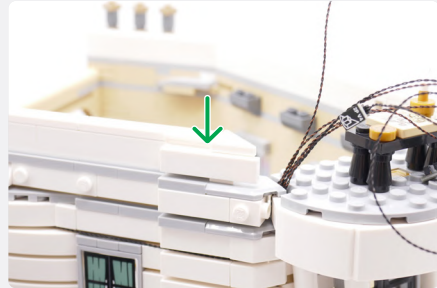
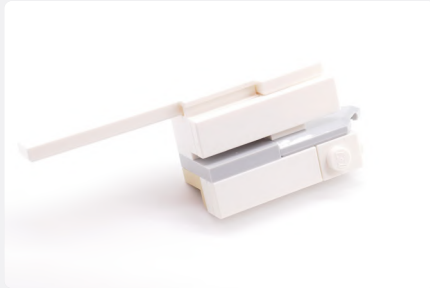
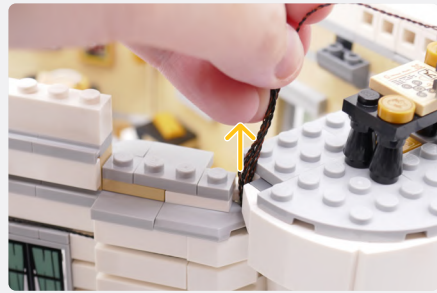
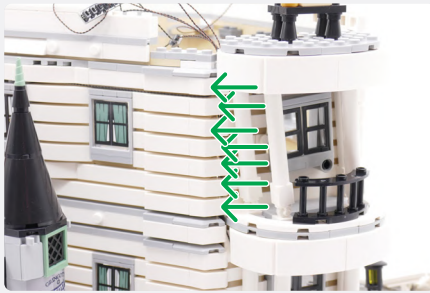
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NOTE

Use the LEGO Removal Tool to assist in pushing the cables



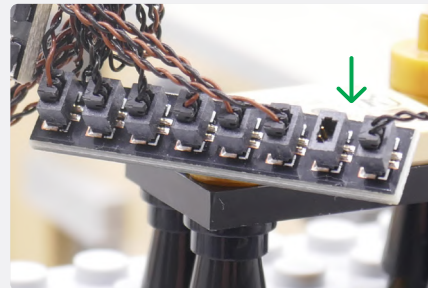
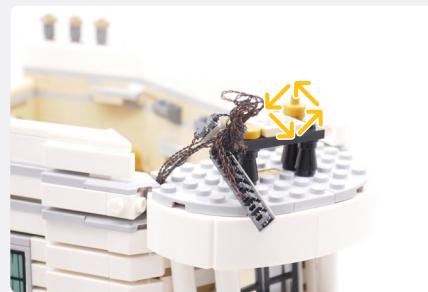
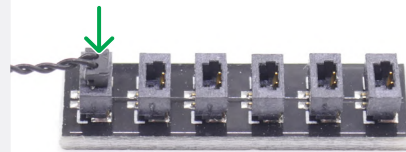


40

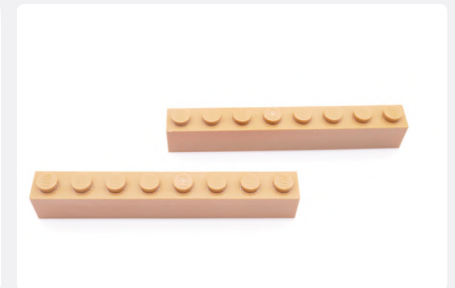
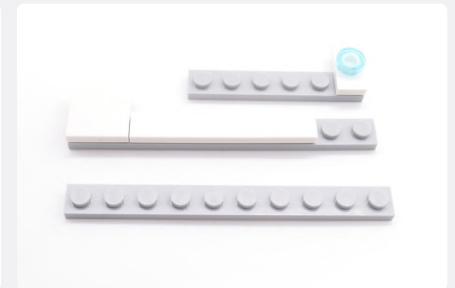
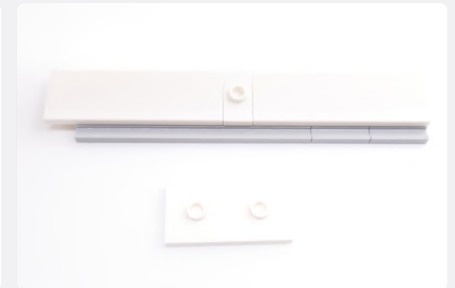
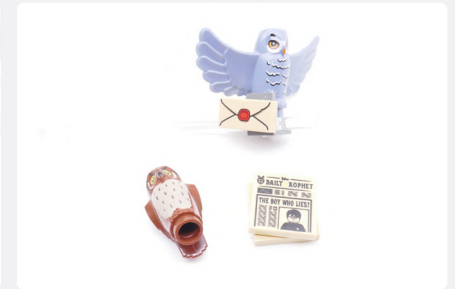
5cm Connecting Cable



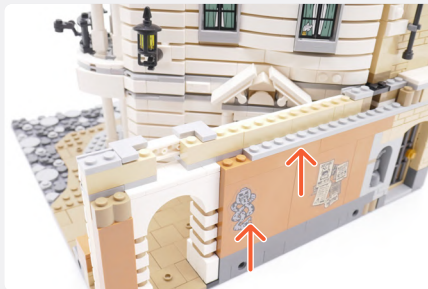
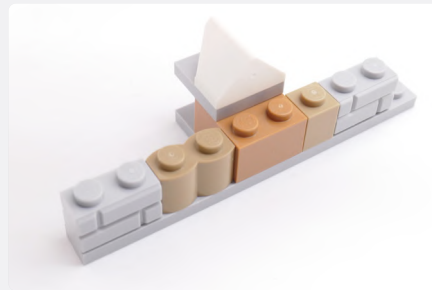
6-Port Expansion Board




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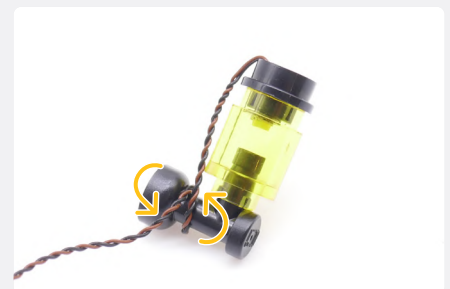


 **NOTE**

Slightly lift the following section



White 30cm Bit Light





NOTE

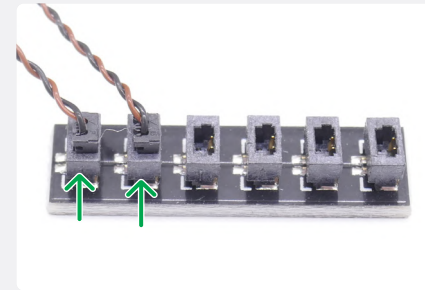
Slightly split the wall to create a gap



NOTE

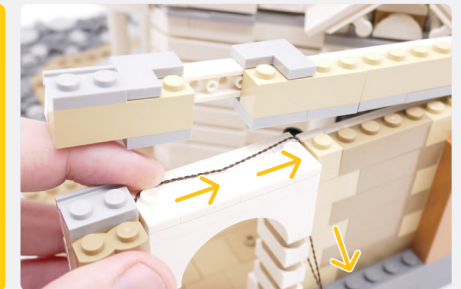
Slightly split the wall to create a gap



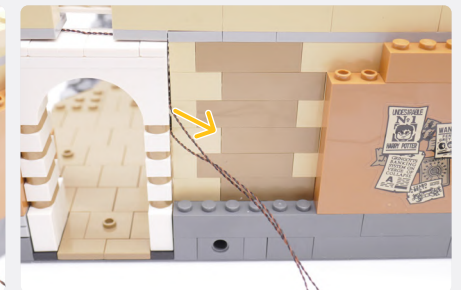
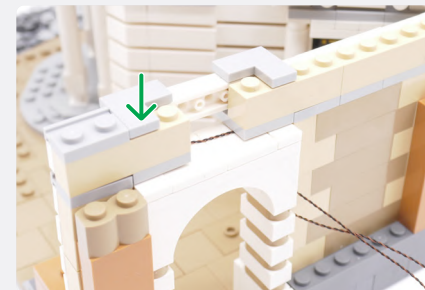
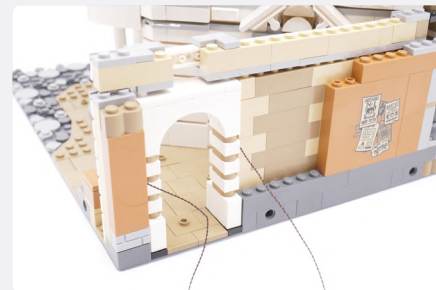


NOTE

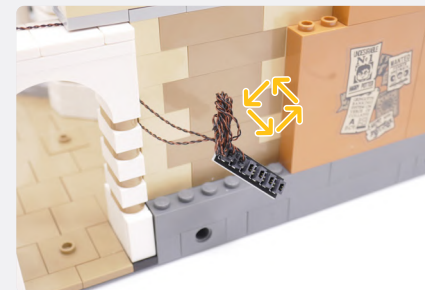
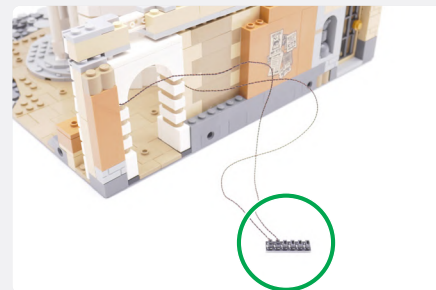
Take the cable from the right Lamp Post and route it as shown



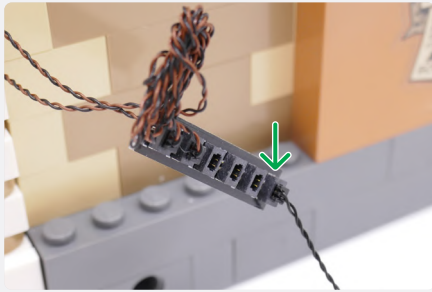
44



6-Port Expansion Board

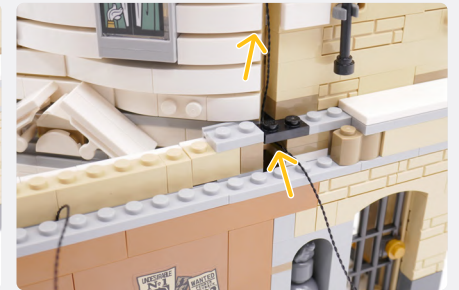
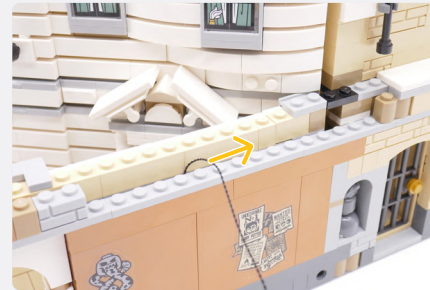
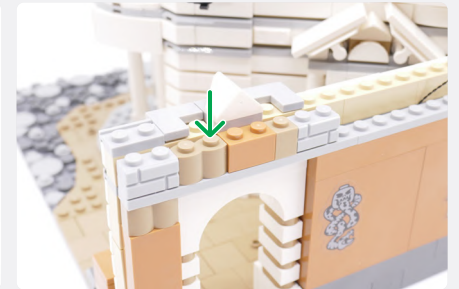
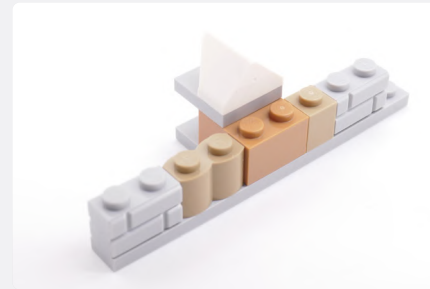
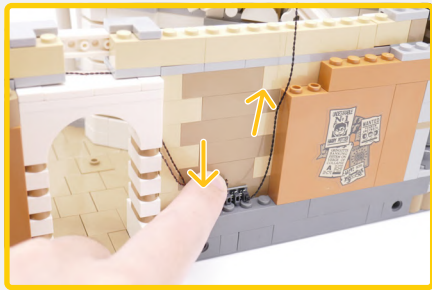


50cm Connecting Cable

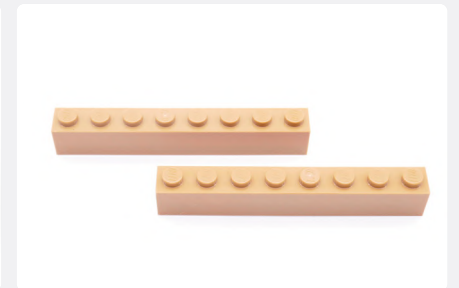
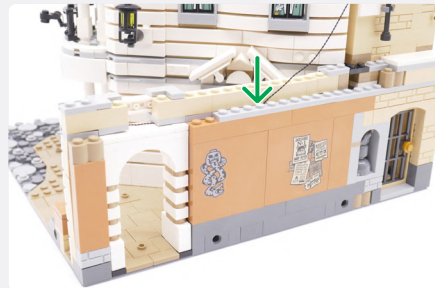
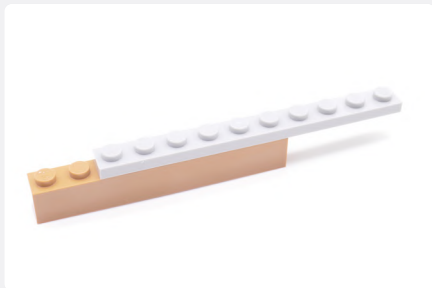
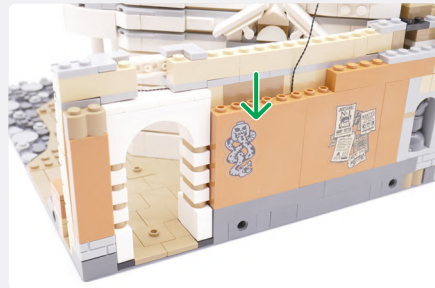


NOTE

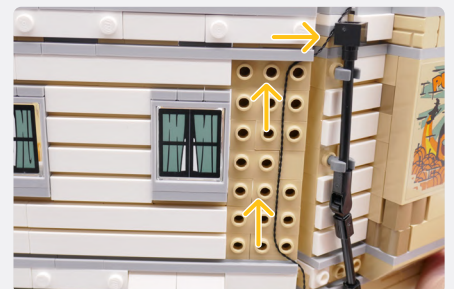
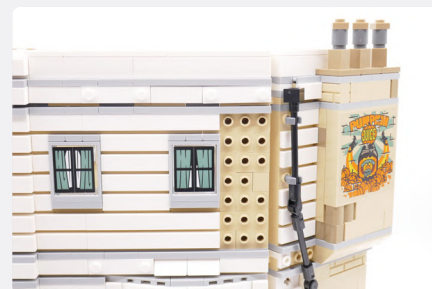
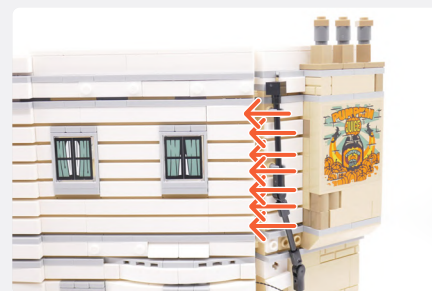
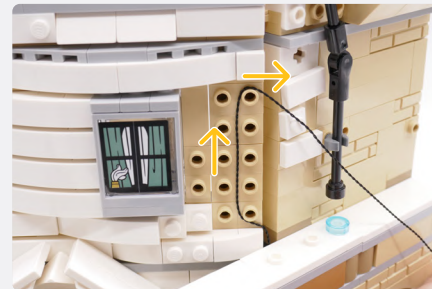
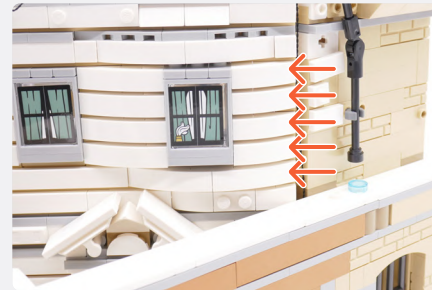
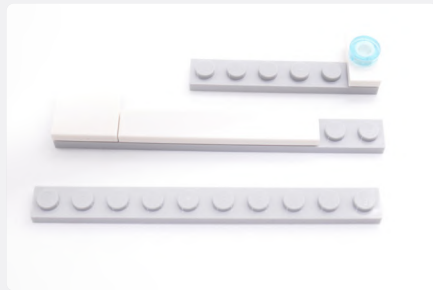
Hold the Expansion Board in the following position as you route the 50cm Connecting Cable

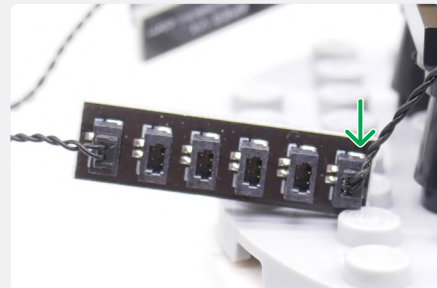


45

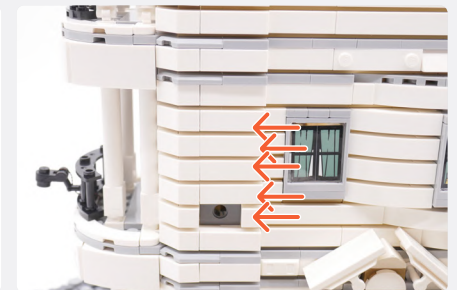


46

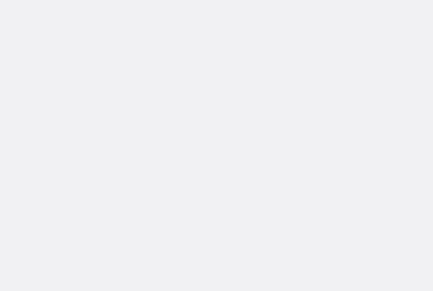
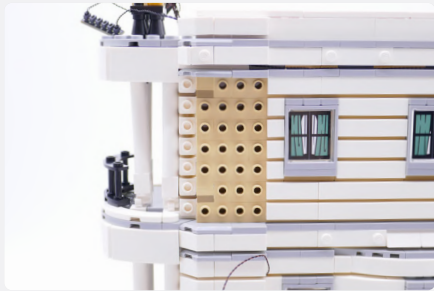
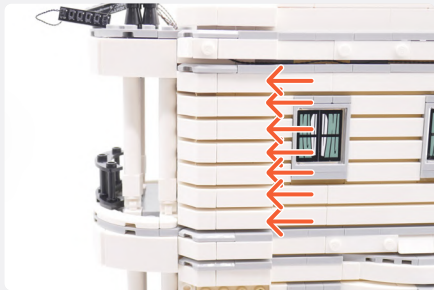




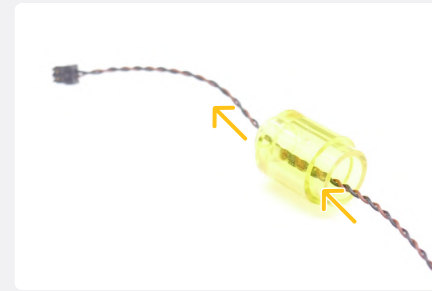
47



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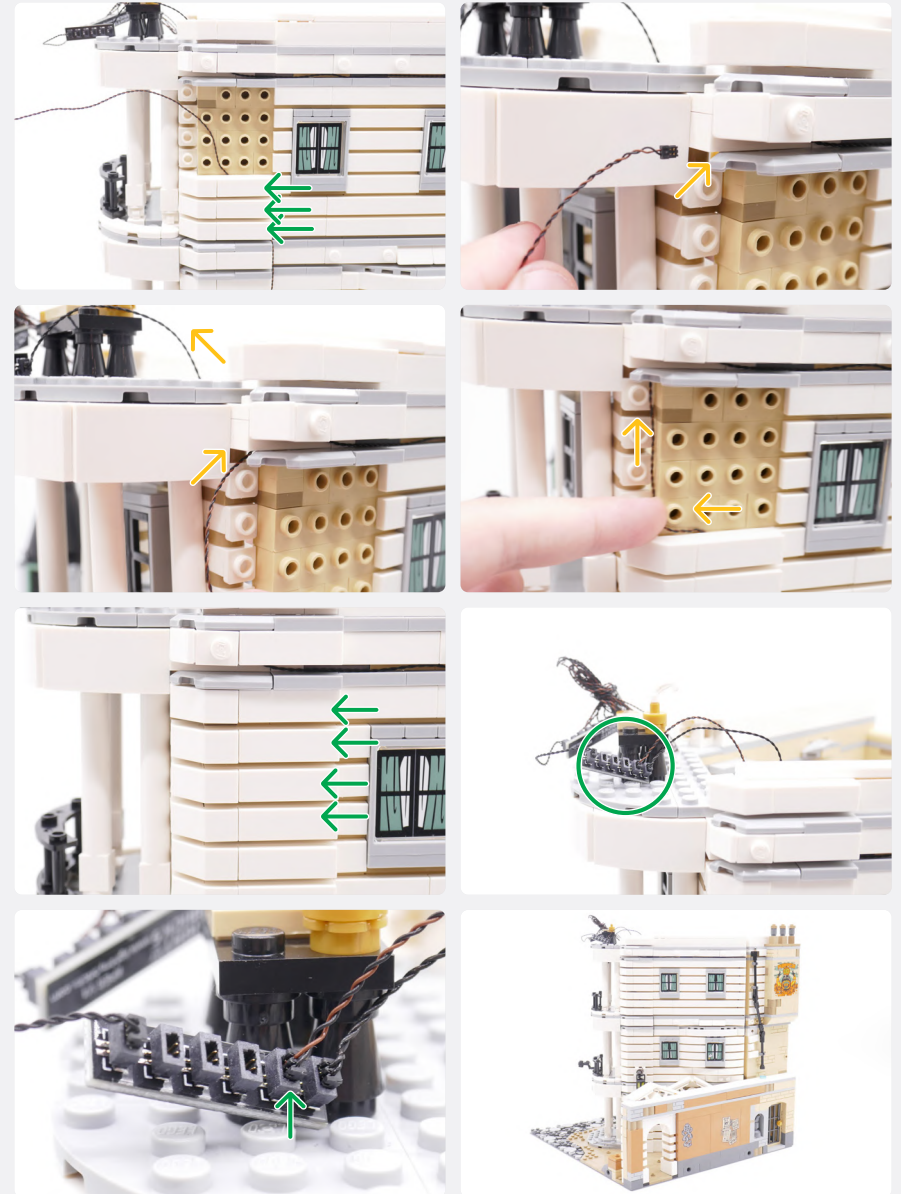
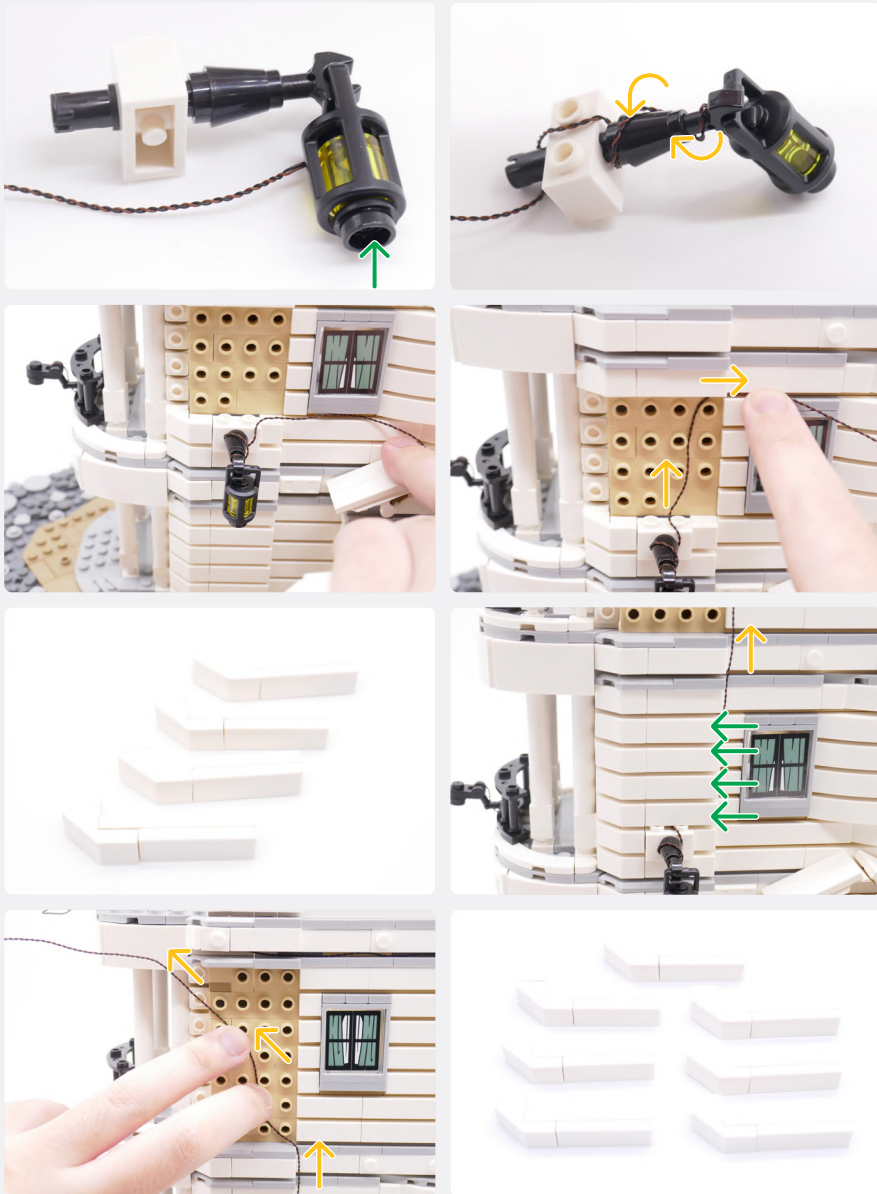
White 30cm Bit Light



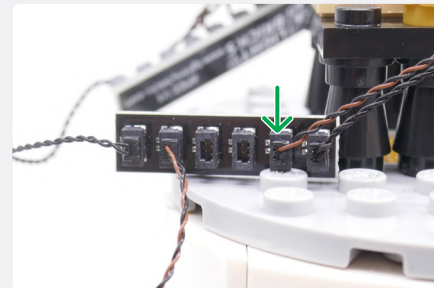
Plate, Round 1x1 - Black



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50



NOTE

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

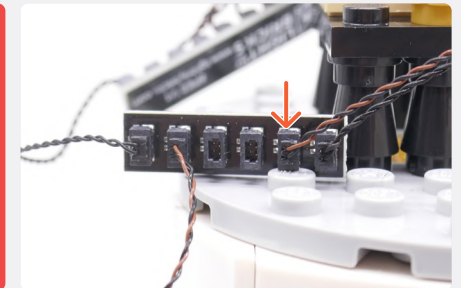


! If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing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



NOTE

Disconnect the USB Power Cable



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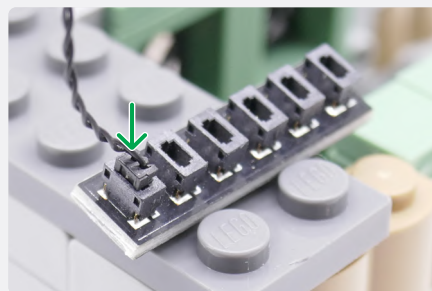


NOTE

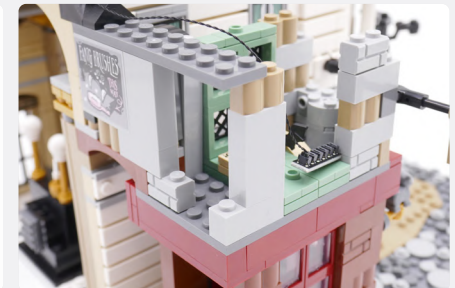
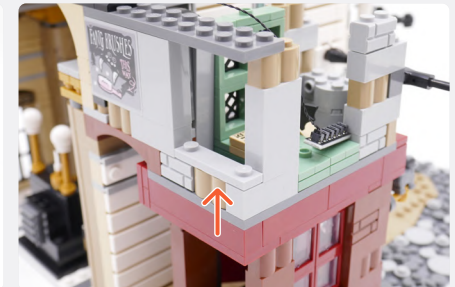
Take the loose 15cm Connecting Cable



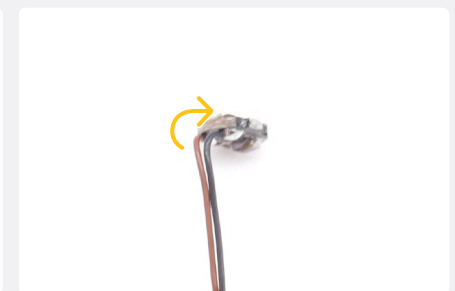
6-Port Expansion Board



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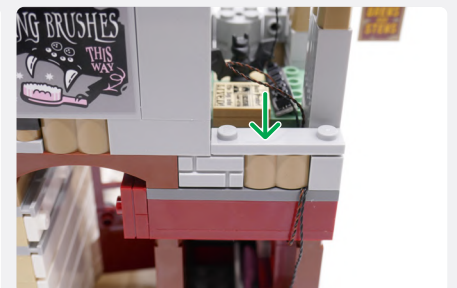
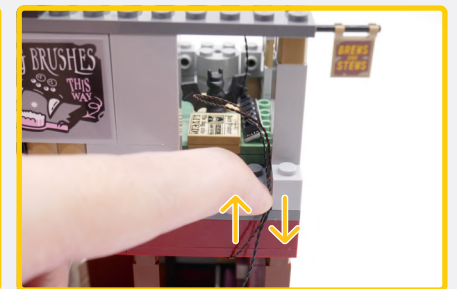
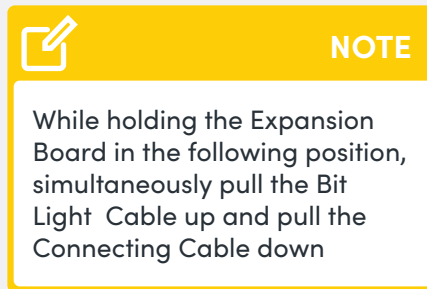
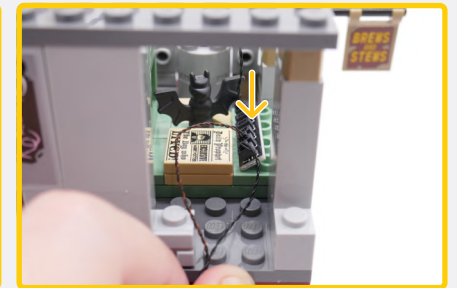
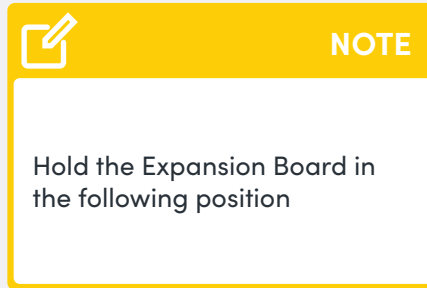
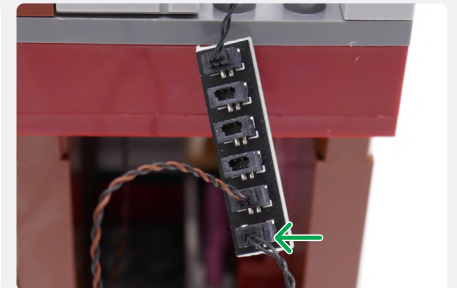
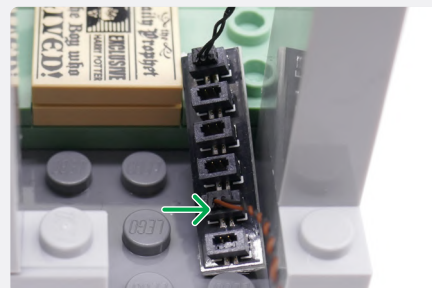
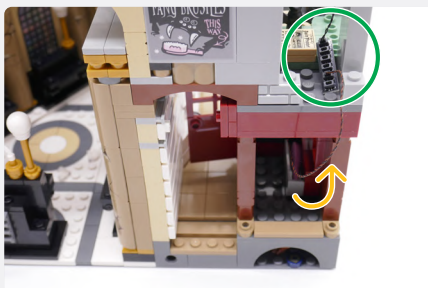
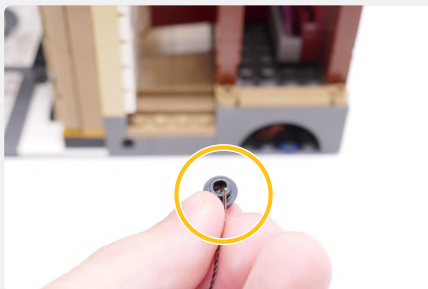
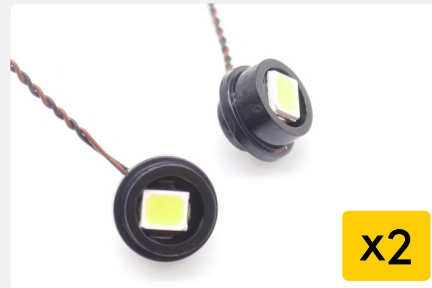
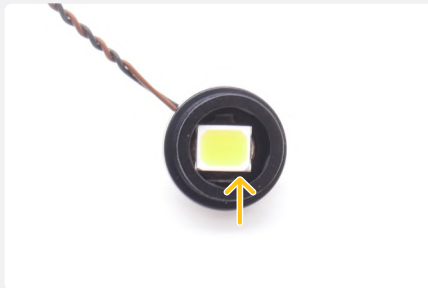
Warm White 15cm Large Bit Light

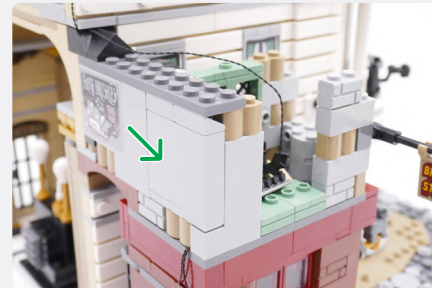
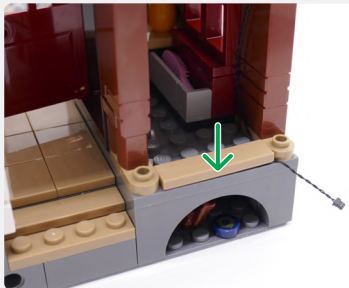
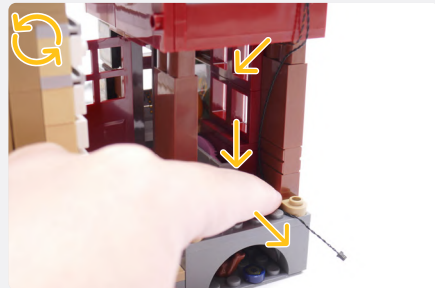
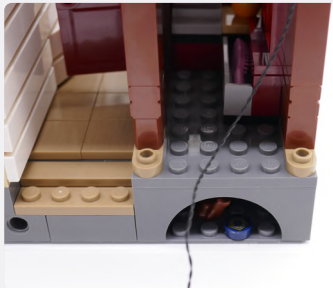
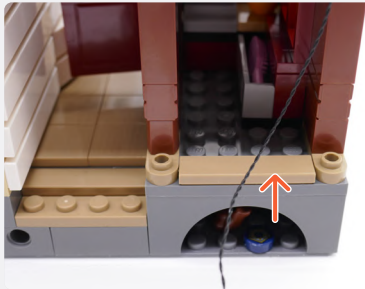


Plate, Round 1x1 with Open Stud - Black



53

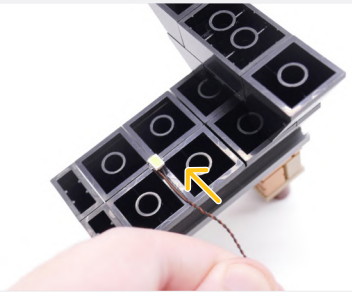




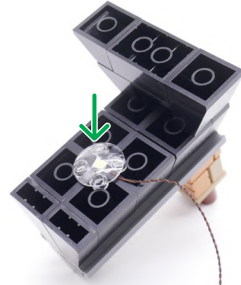
54



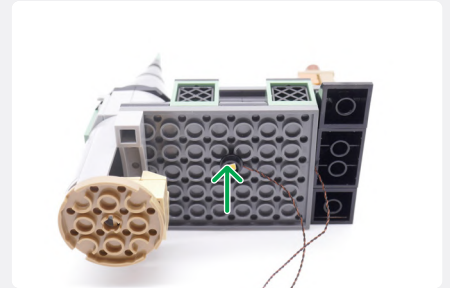
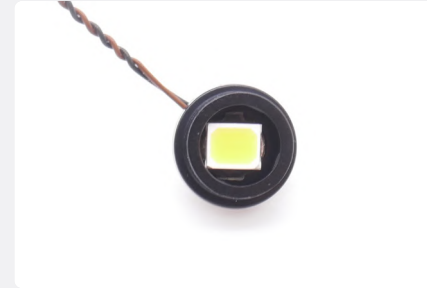
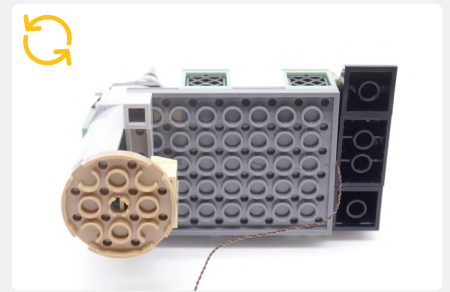
Warm White 15cm Large Bit Light



Plate, Round 2x2 with Rounded Bottom (Boat Stud) - Trans-Clear

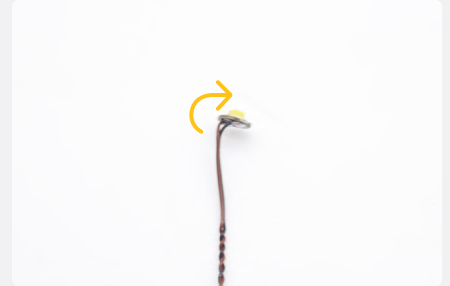
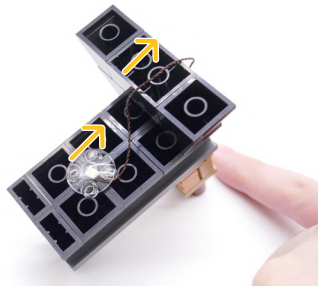


55

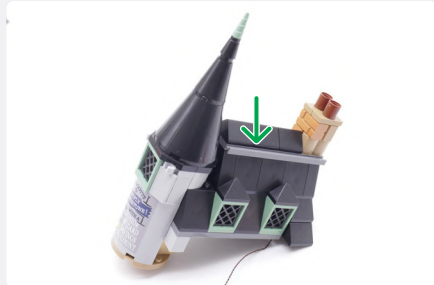


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White 15cm Bit Light



Plate, Round 1x1 with Open Stud - Black



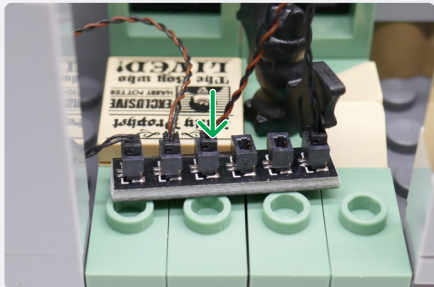
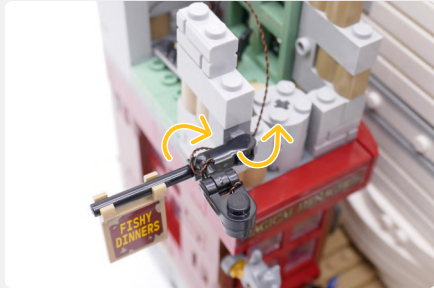
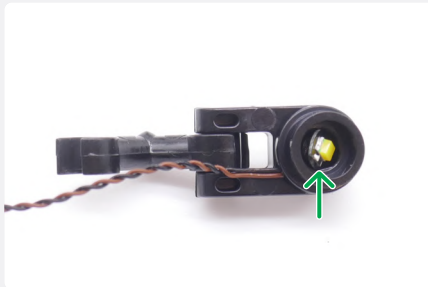
57



Plate, Round 1x1 with Bar Handle - Black



Arm Skeleton, Bent with Clips (Horizontal Grip) - Black

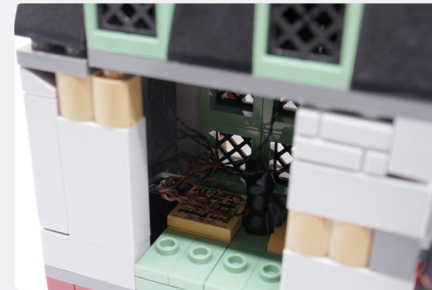
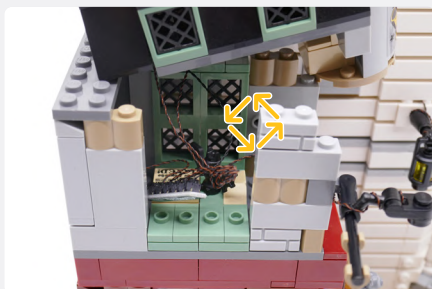
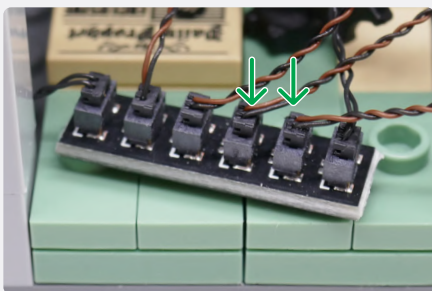
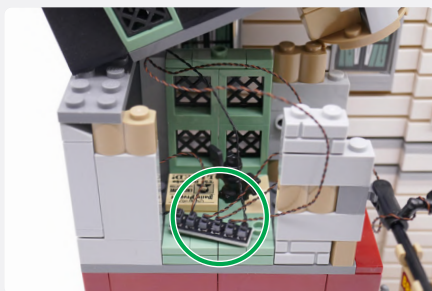
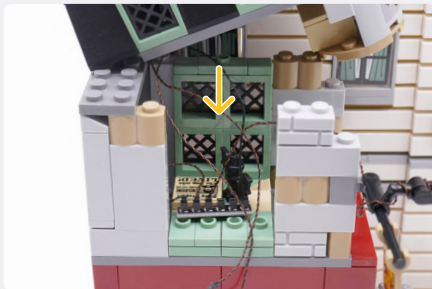


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NOTE

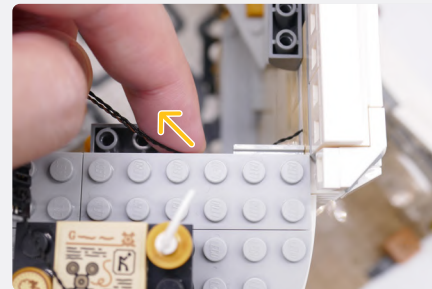
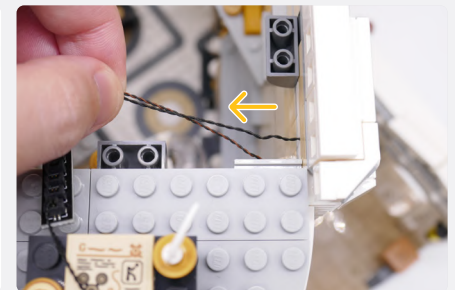
Carefully rest the top section as shown

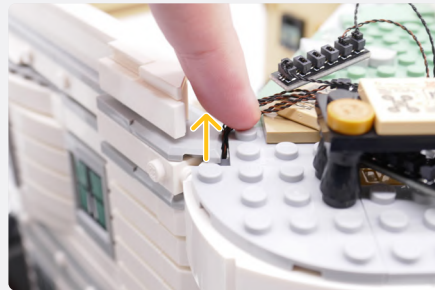
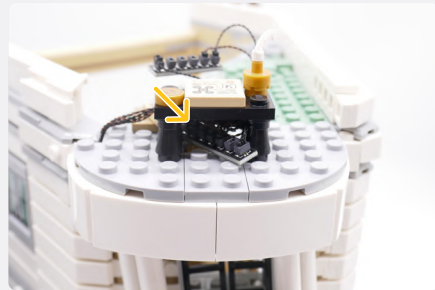


59



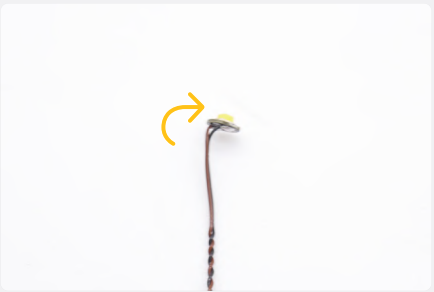
60



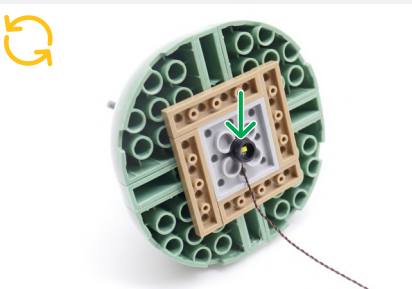


61

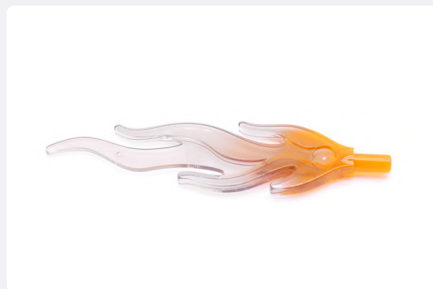
White 15cm Bit Light



Plate, Round 1x1 with Open Stud - Black



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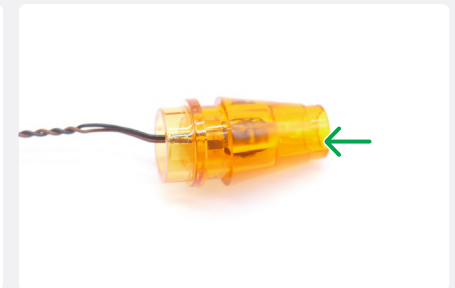
Orange 30cm Large Bit Light



Plate, Round 1x1 with Open Stud - Trans-Orange



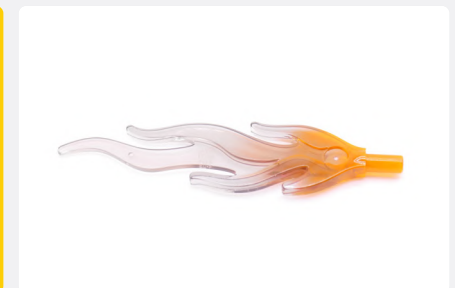
Cone 1x1 with Top Groove - Trans-Orange



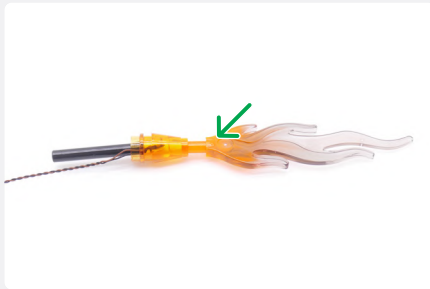
Bar 3L (Bar Arrow) - Black


NOTE

Do not push the bar too far forward otherwise it will crush the LED

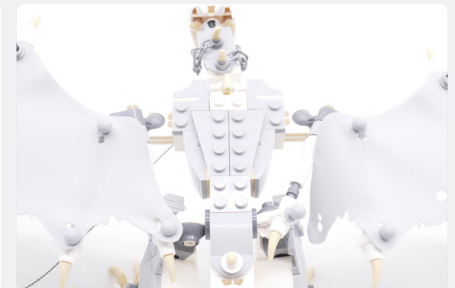
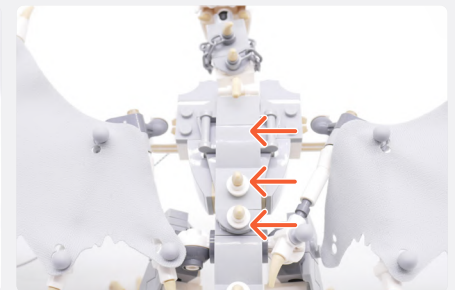
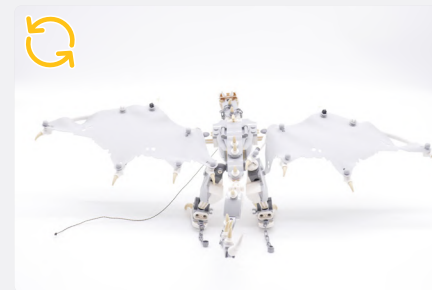
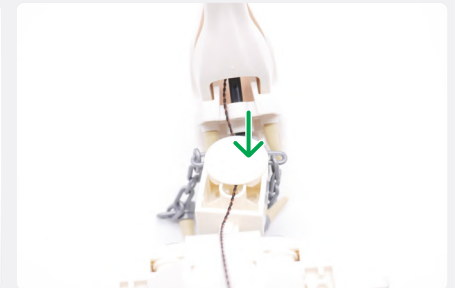
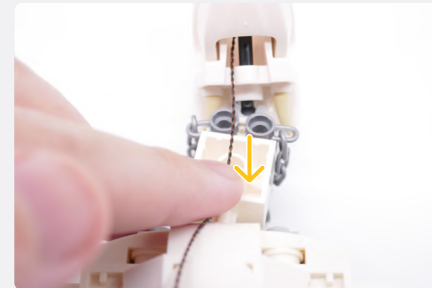


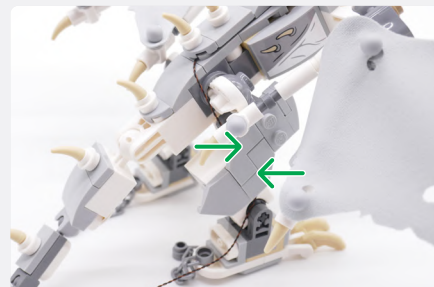
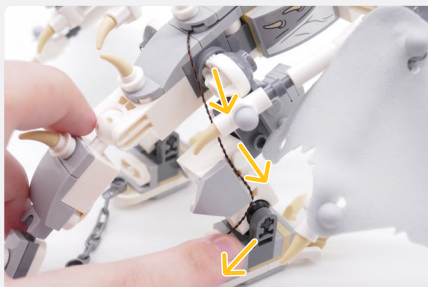
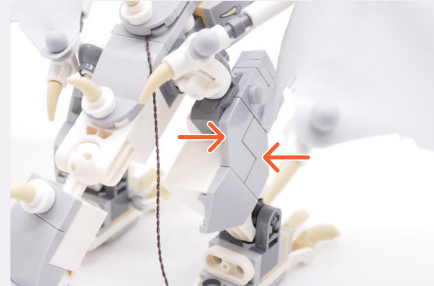
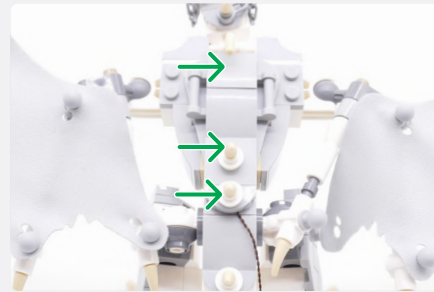
63



 **NOTE**

Position the Flame so that the LED is facing down





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15cm Connecting Cable



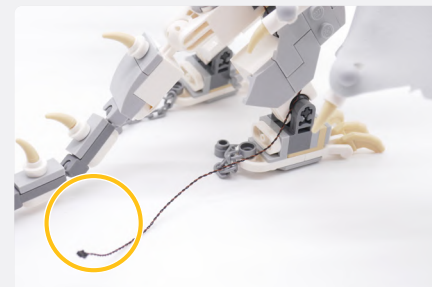
Scary Flicker Effects Board



NOTE

Connect the 15cm Connecting Cable into the "IN" port of the Scary Flicker Effects Board

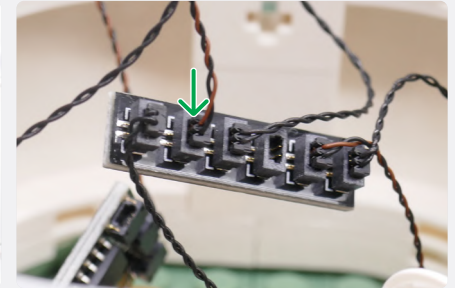
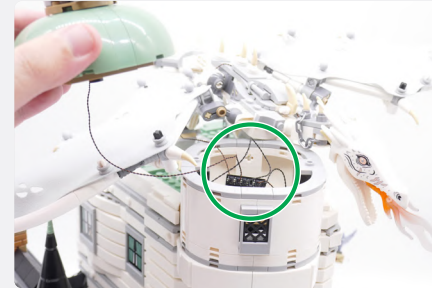
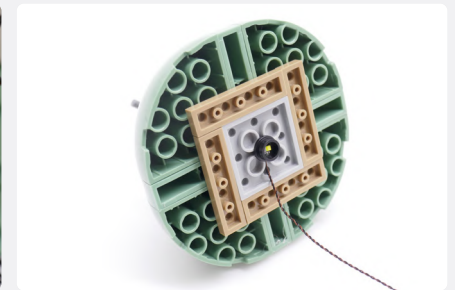
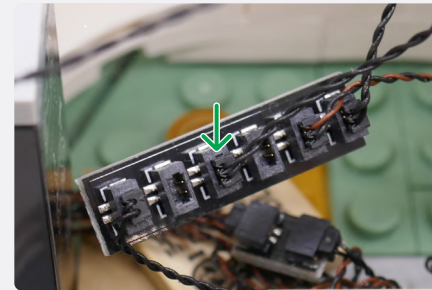
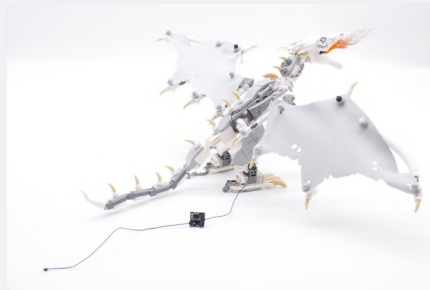
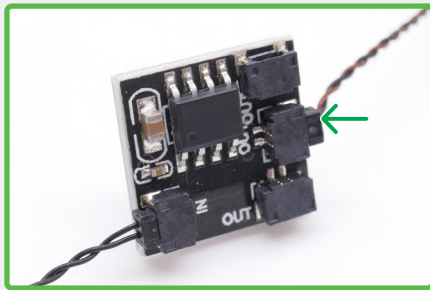
NOTE




NOTE

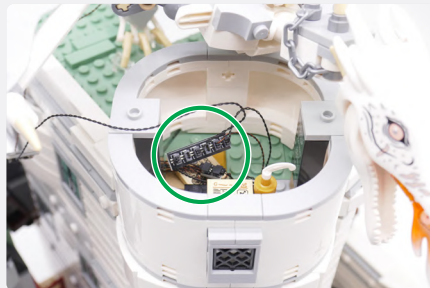
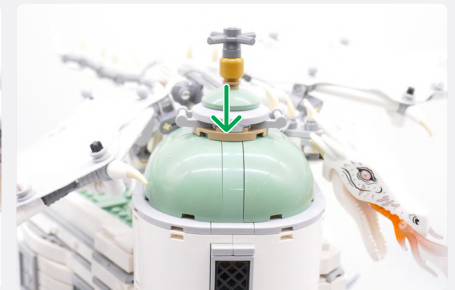
Connect the Orange Large Bit Light into the "OUT" port of the Scary Flicker Effects Board

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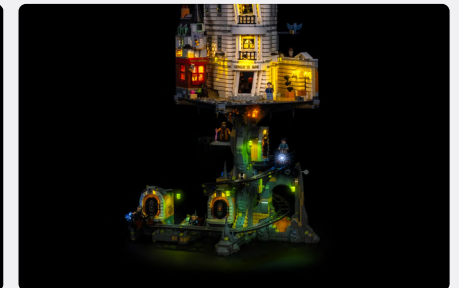
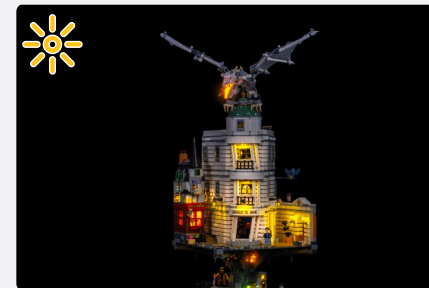
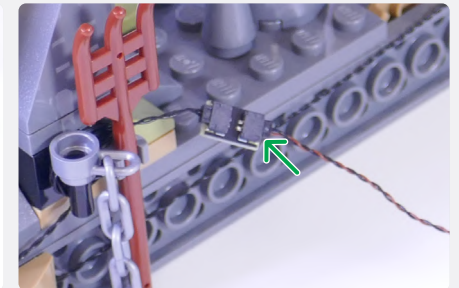
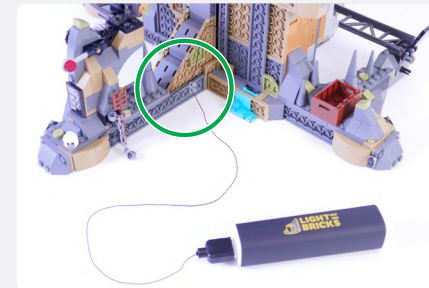
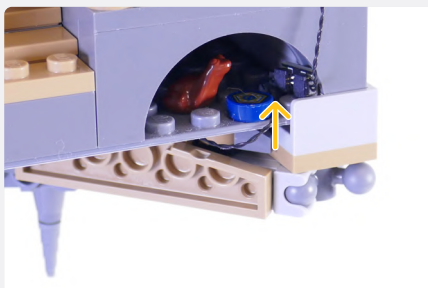
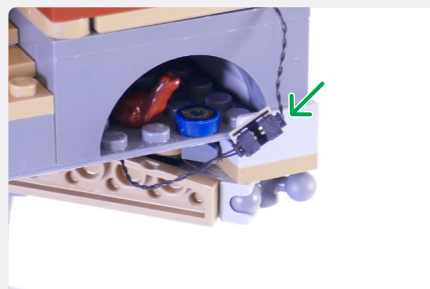
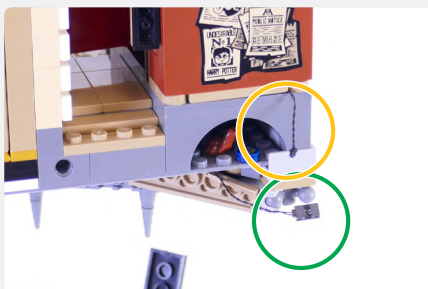
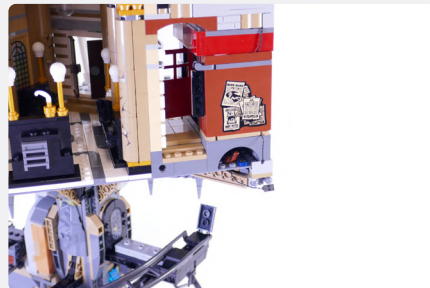



 **NOTE**

Carefully rest the Dragon on top of the building



66



! 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.
 


NOTE

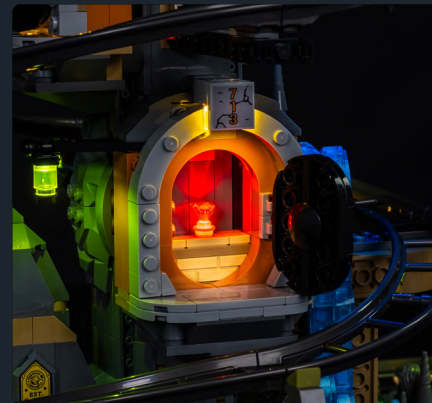
You should have these parts left over that were removed from the LEGO set



FINAL PRODUCT

This finally completes installation of the Light My Bricks

LEGO® Gringotts Wizarding Bank Collector's Edition 76417 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 or read on for a list of common causes to help you troubleshoot.



Wenn Sie Probleme mit Ihrem Light My Bricks-Set haben, sehen Sie sich unser Video zur Fehlerbehebung an oder lesen Sie die Auflistung der häufigsten Ursachen, die Ihnen bei der Fehlersuche helfen hier.



Si vous rencontrez des problèmes avec votre kit Light My Bricks, regardez notre vidéo de dépannage ou consultez la liste des causes les plus fréquentes pour vous aider à les résoudre ici.



Se si verificano problemi con il set Light My Bricks, guardare il nostro video per la risoluzione dei problemi o leggere l'elenco delle cause più comuni per la risoluzione dei problemi qui.

Troubleshooting

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

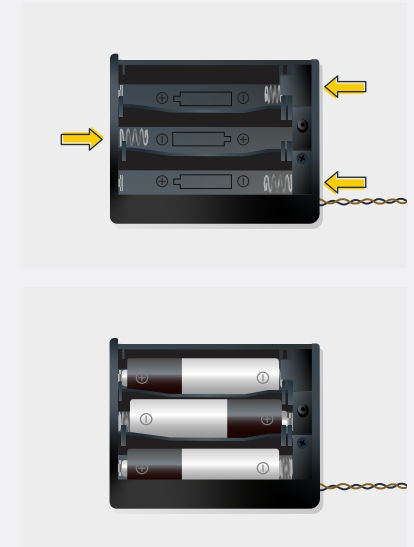
If the batteries have no power, replace the batteries.

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

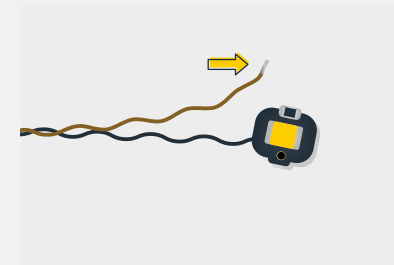
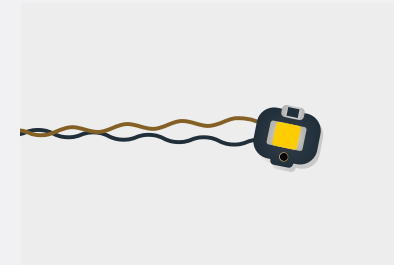
In order for Light My Bricks components to fit in between and underneath LEGO® bricks, the components need to be very small. Due to this nature, Light My Bricks components can be easily damaged when not handled correctly.

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.



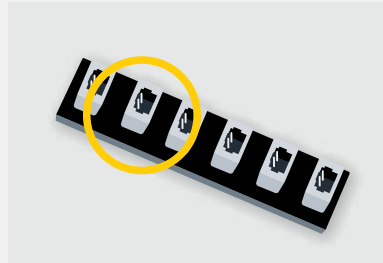
Troubleshooting

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.

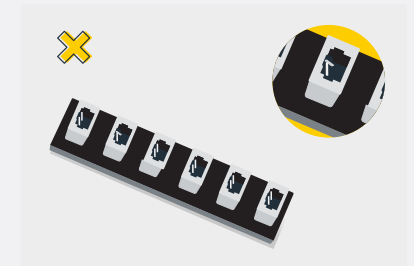
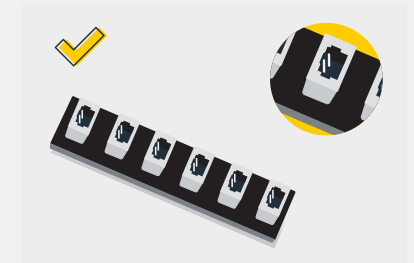
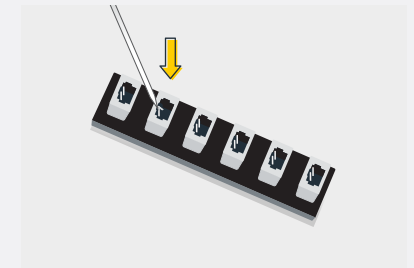
Not only will a light connected to the damaged port not work, but if the pins inside the port are bent to a point they are touching each other, this can result in all other lights in the system to stop working. This is a short circuit.



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.

Alternatively, you can contact our Customer Services team by visiting our online support portal.

support.lightmybrick.com

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



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