



**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 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!



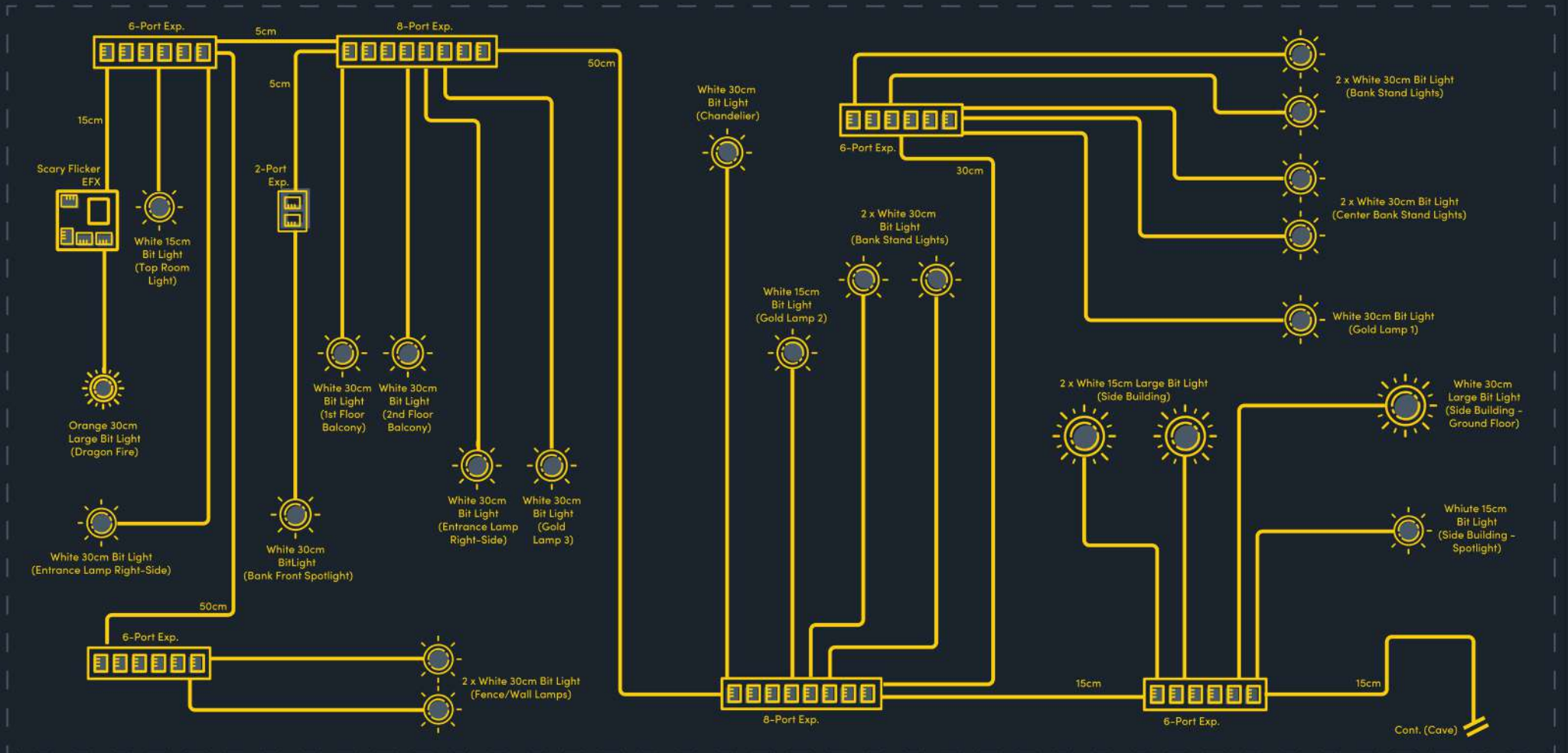
Contents

Blueprint	4
Instructions	5
Final Product	64
Troubleshooting	65
Contact	69



BLUEPRINT

Gringotts Bank + Dragon





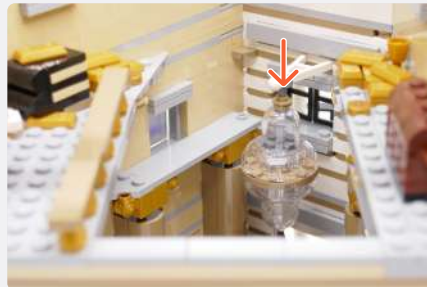
INSTRUCTIONS

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.

1



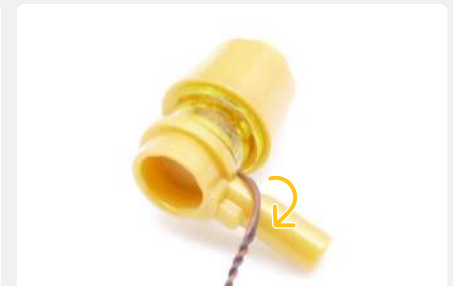
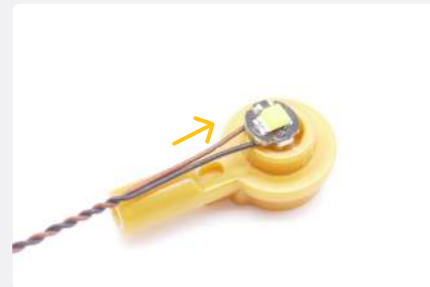
2



3




White 30cm Bit Light

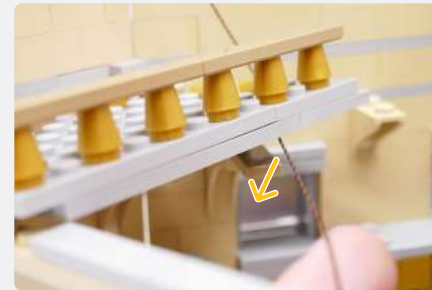


4

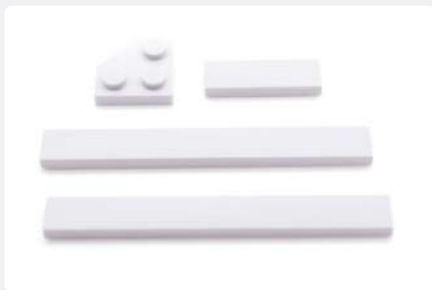
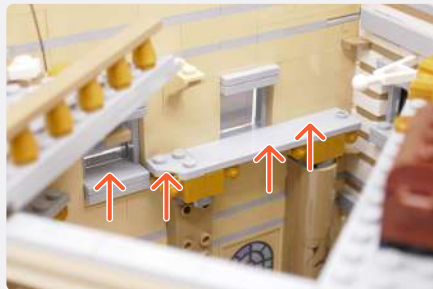
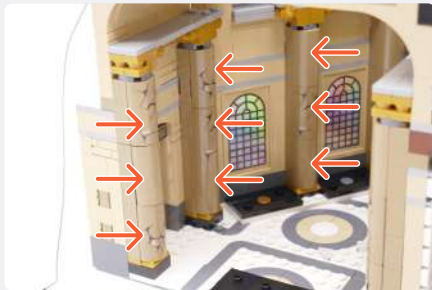


 **NOTE**

Slightly lift the floor up



5



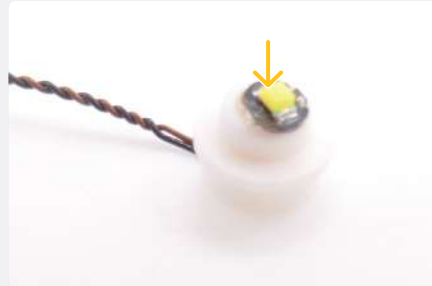
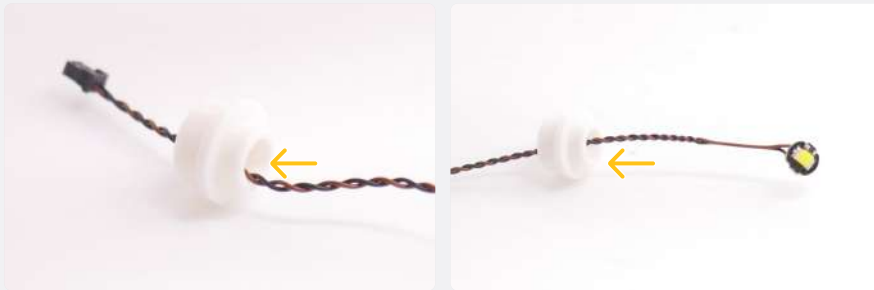
6



White 30cm Bit Light

Plate, Round 1x1 with Open Stud - White





7

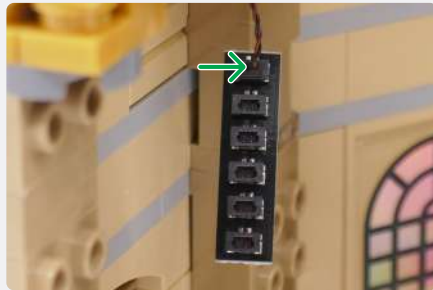




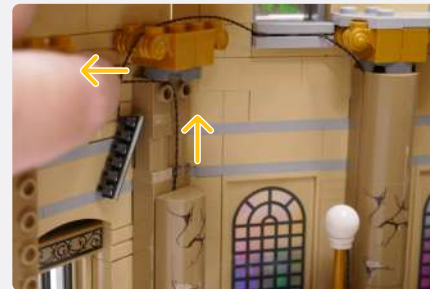
8



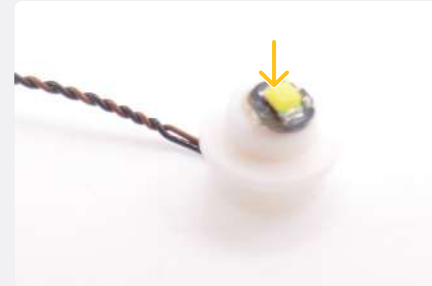
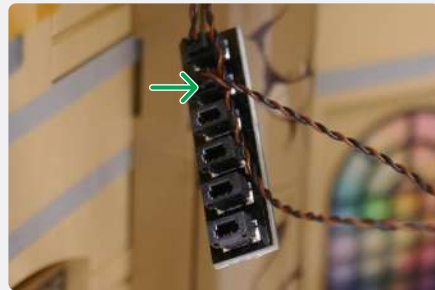
6-Port Expansion Board



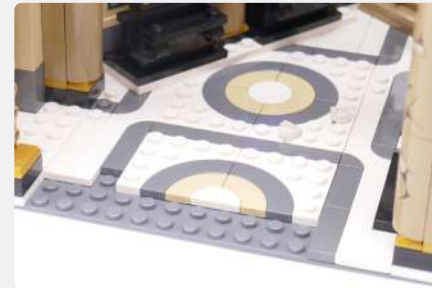
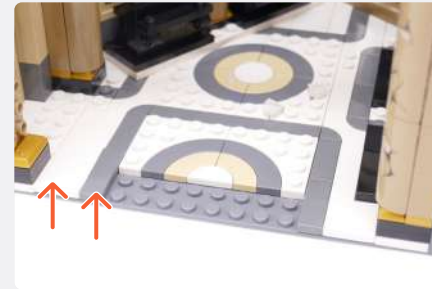
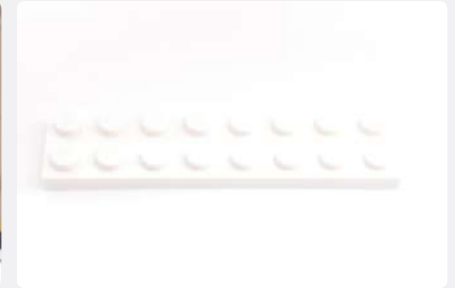
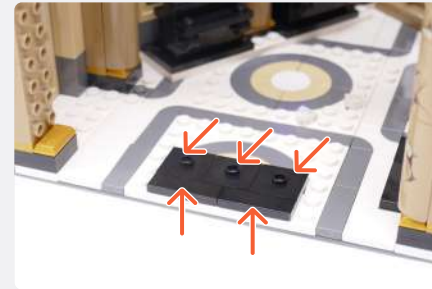
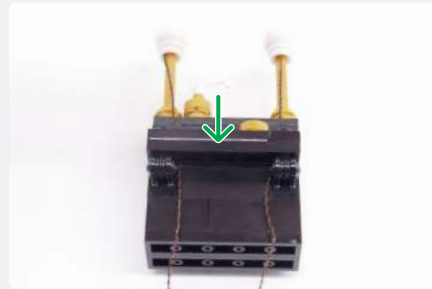
9



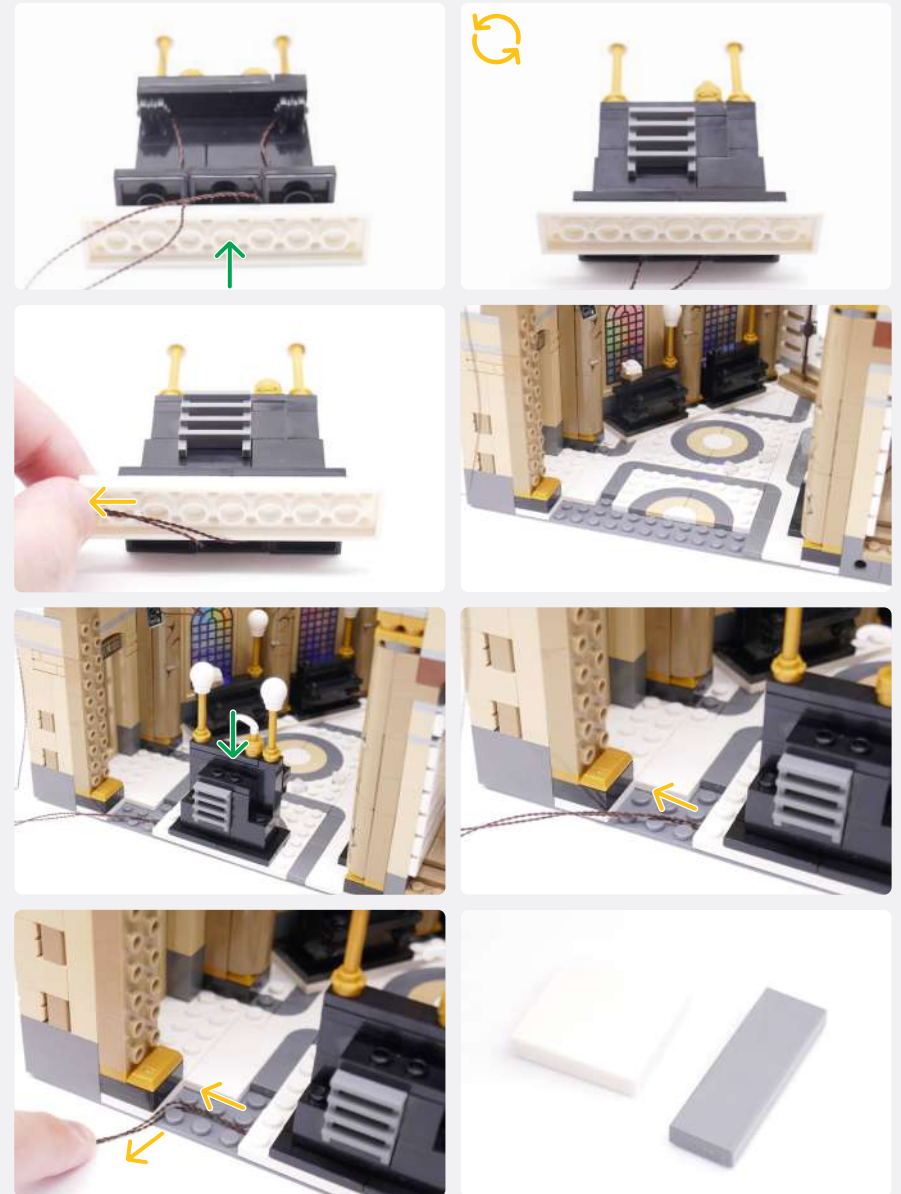
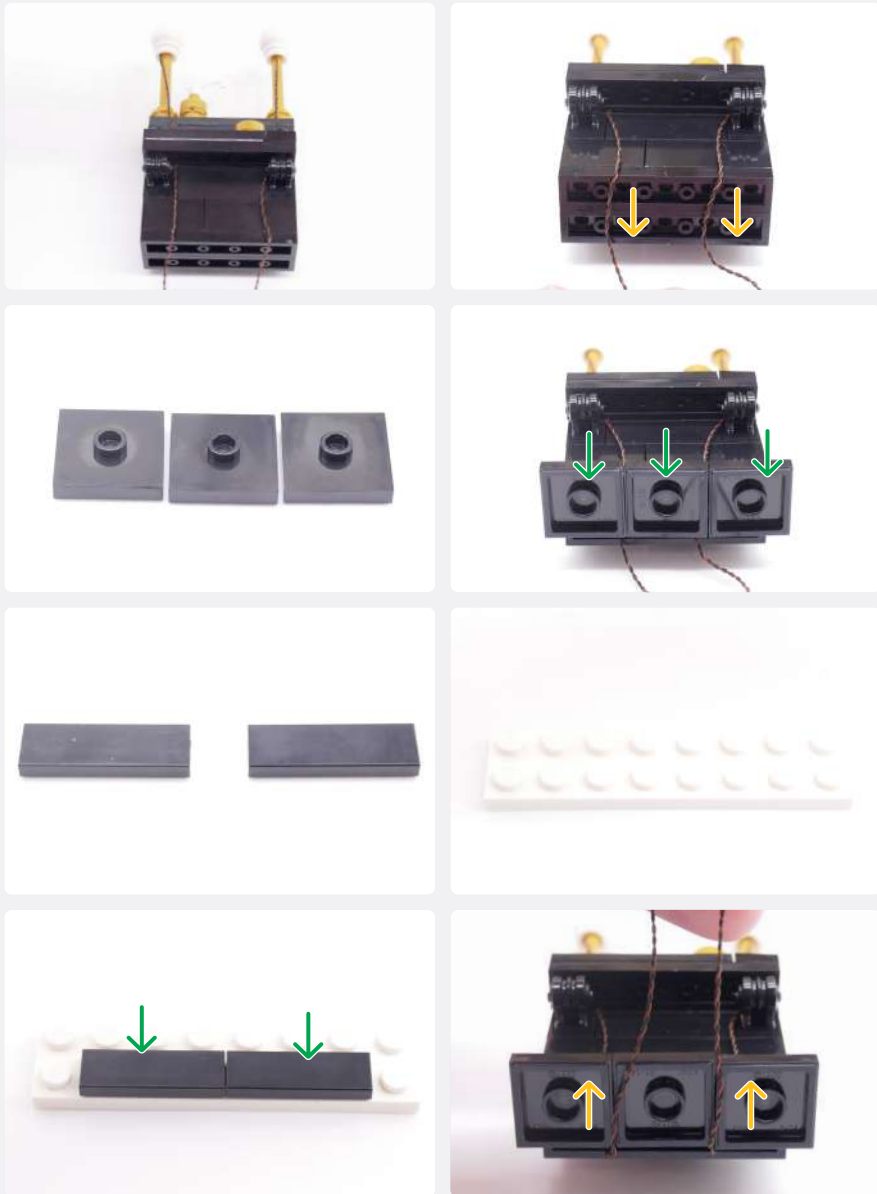
10



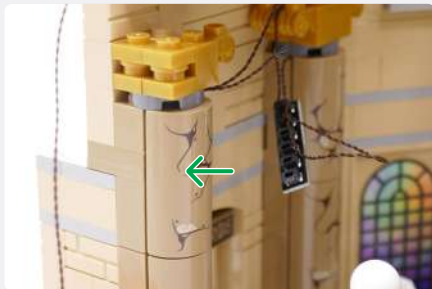
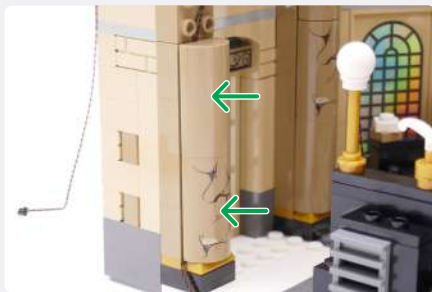
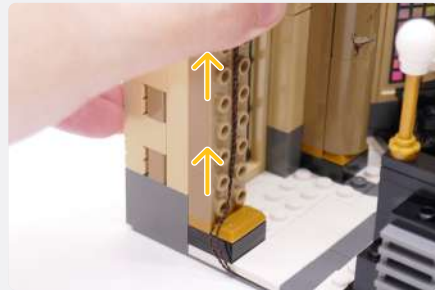
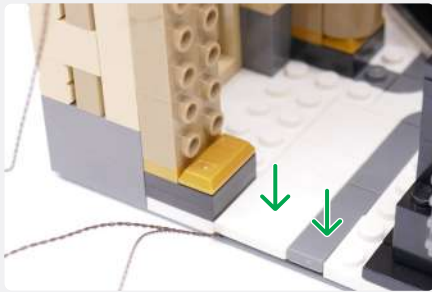
11



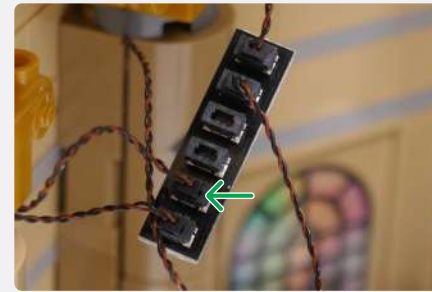
12



13



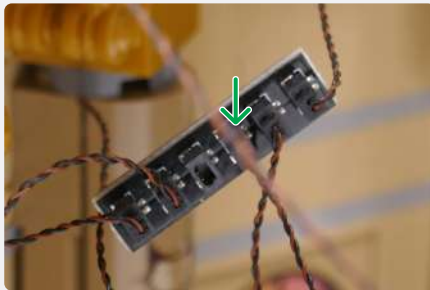
14



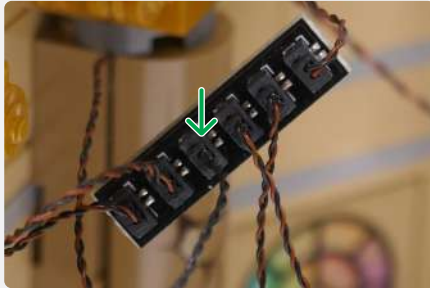
NOTE

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





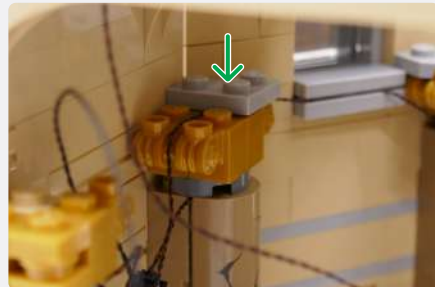
30cm Connecting Cable



15

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

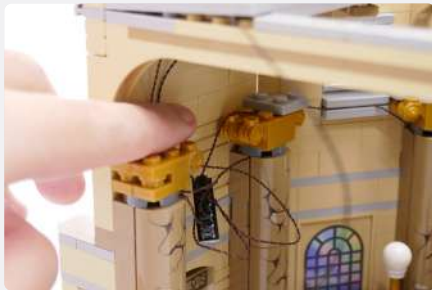
Hold the 6-Port Expansion Board in the following position before routing the 30cm Connecting Cable



NOTE

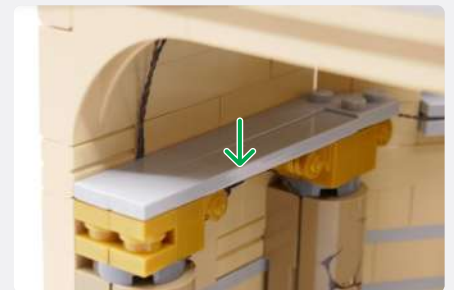
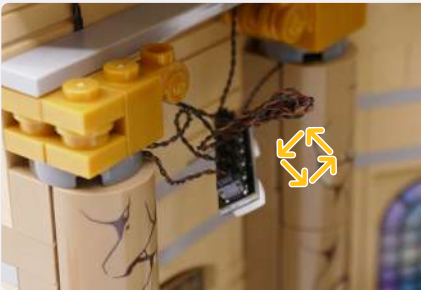
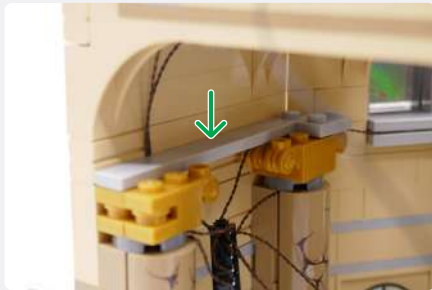
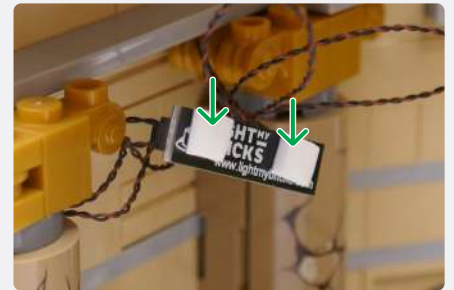
Push the Connecting Cable and Bit Light cable (from the Gold Lamp) against the wall to reduce visibility. Ensure the Expansion Board is still in the same position





16

2x Adhesive Square



17



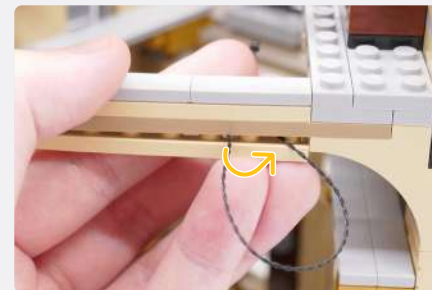
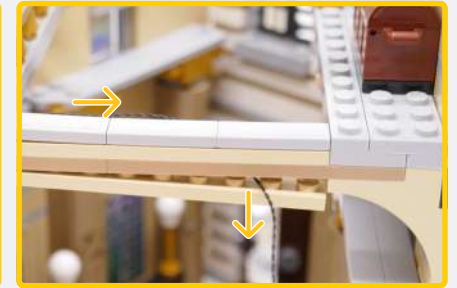
NOTE

Slightly disconnect the following plate



NOTE

Thread the Connecting Cable

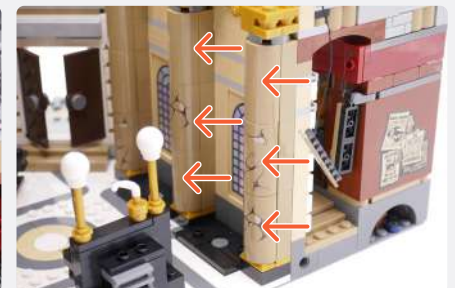


8-Port Expansion Board





18





NOTE

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



19

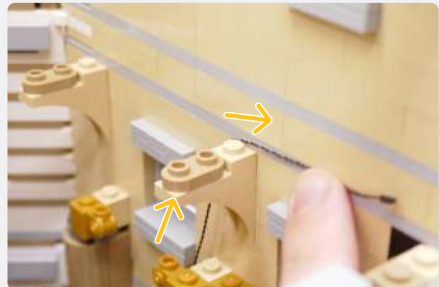
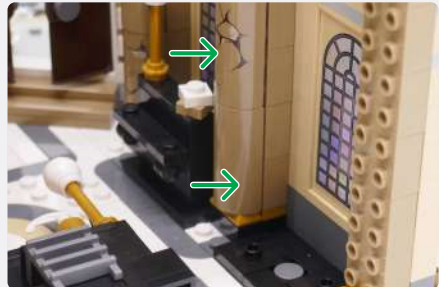
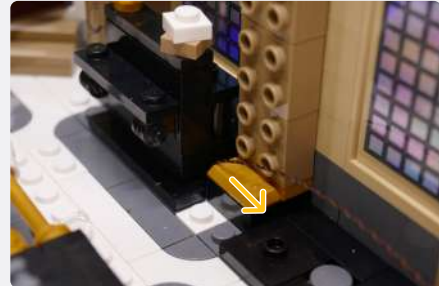
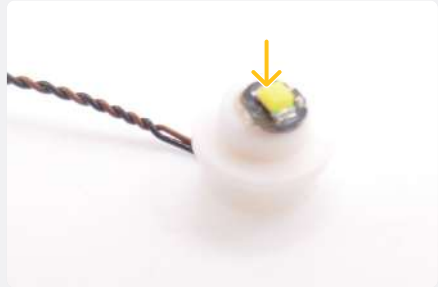


White 30cm Bit Light

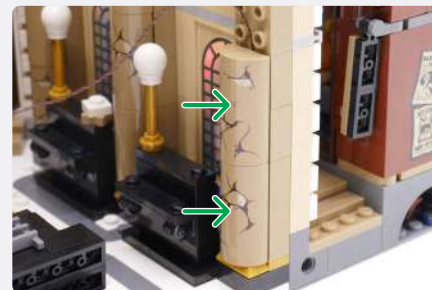
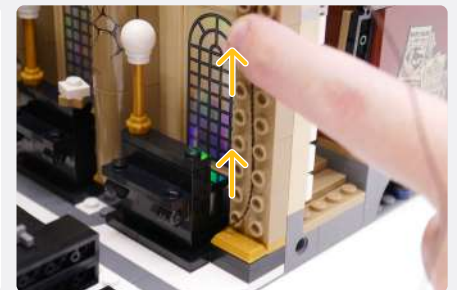
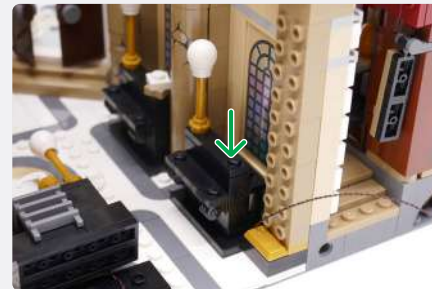
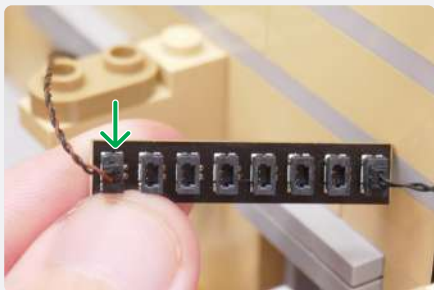
Plate, Round 1x1 with Open Stud - White

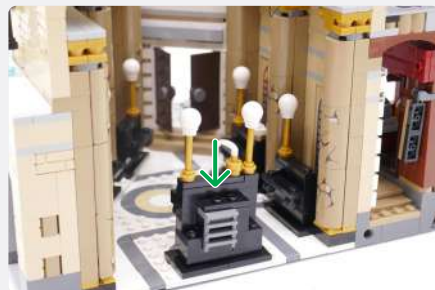
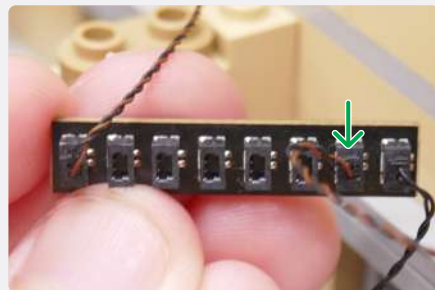
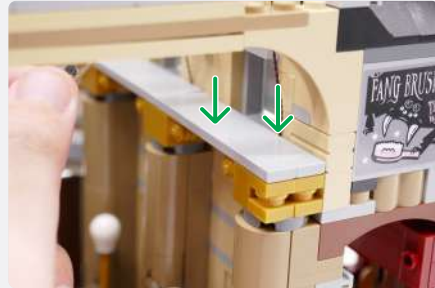
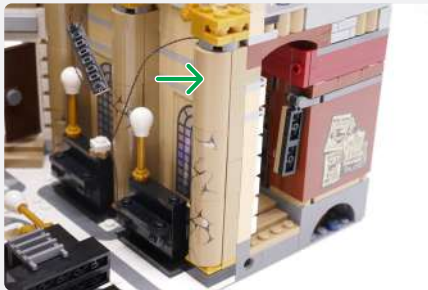


20



21



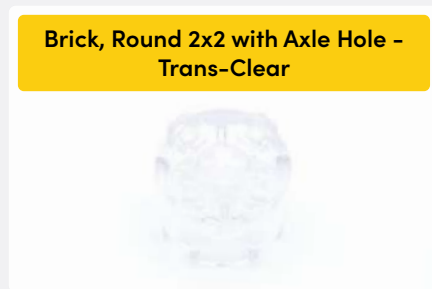


22

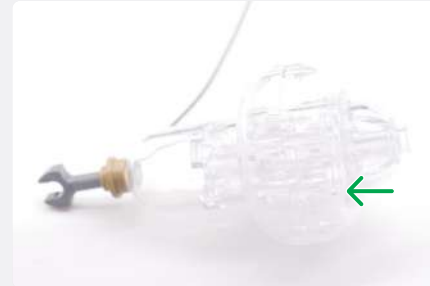


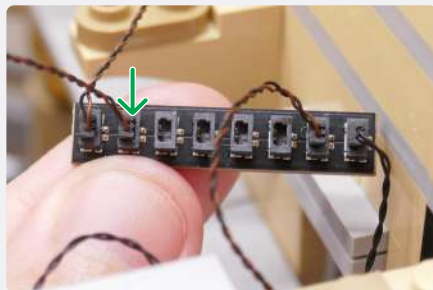
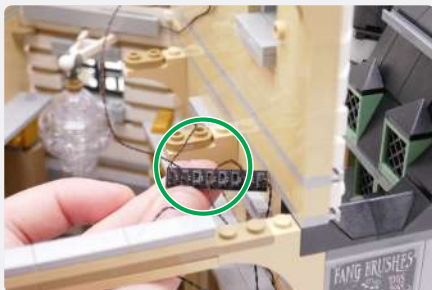
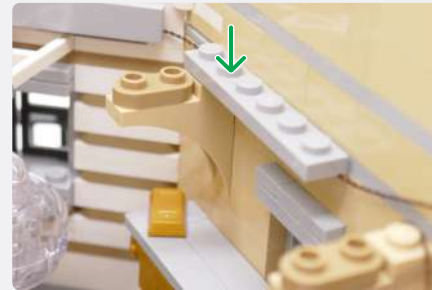
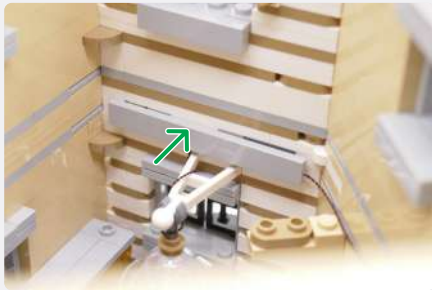
23



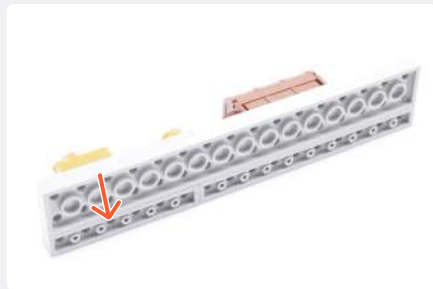


24





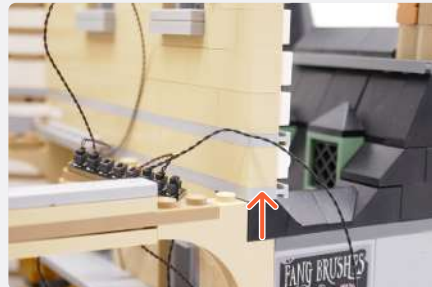
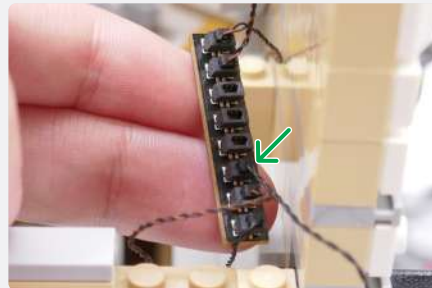
25





26

15cm Connecting Cable

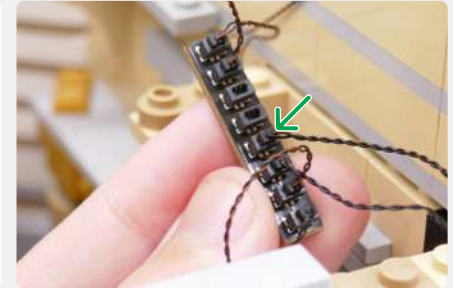


NOTE

Slightly lift the wall as shown

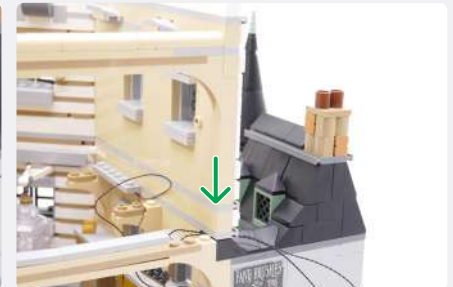
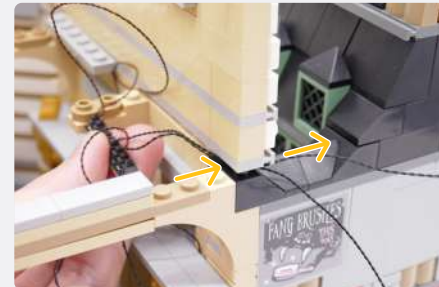
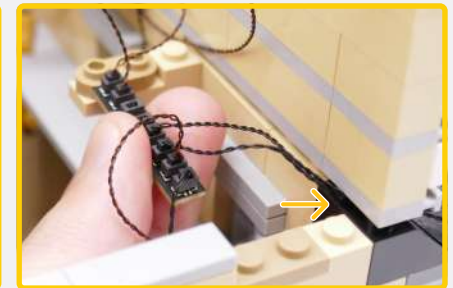


50cm Connecting Cable

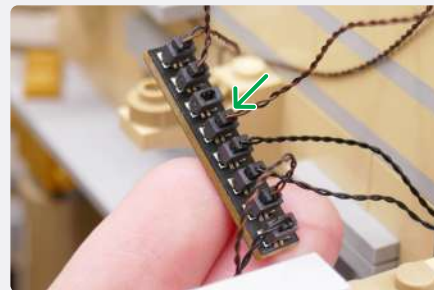



NOTE

Thread both Connecting Cables between the wall as shown

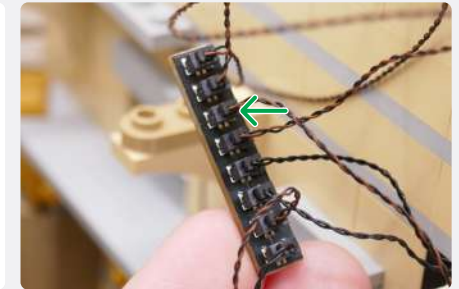
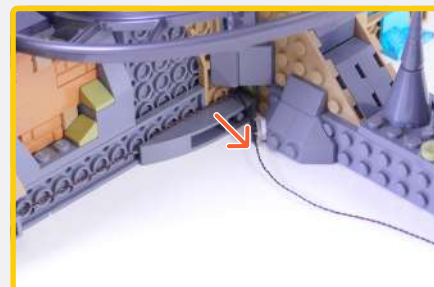



27



 **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)

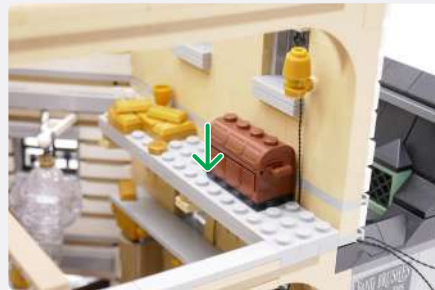
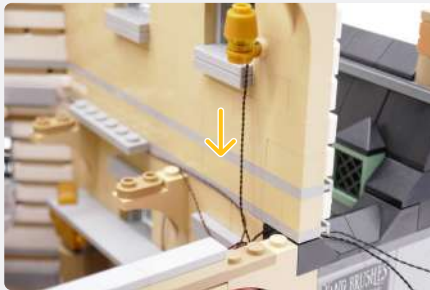
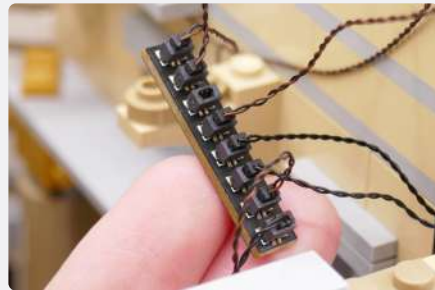


 If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing expansion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

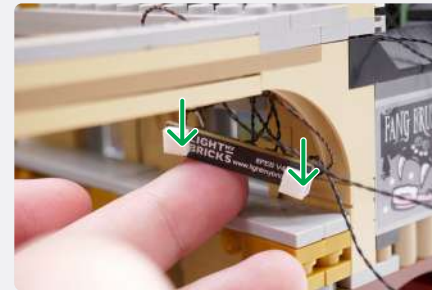
 **NOTE**

Disconnect the USB Power Cable

28



2x Adhesive Square



NOTE

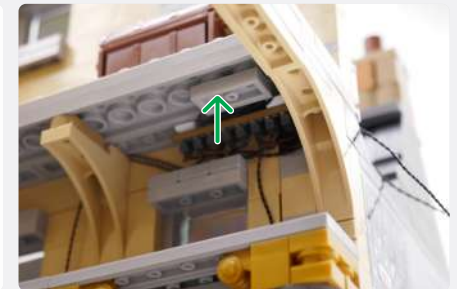
Ensure there are no visible dangling cables



NOTE

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

Plate 1x2 - Light Bluish Gray

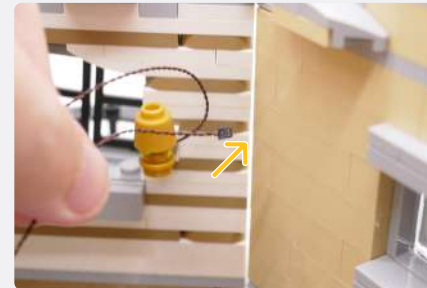
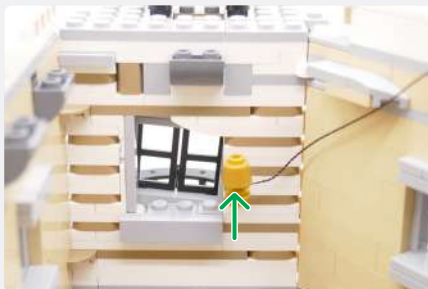


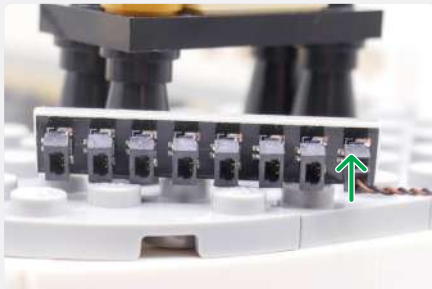
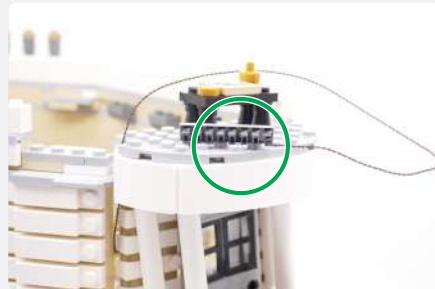
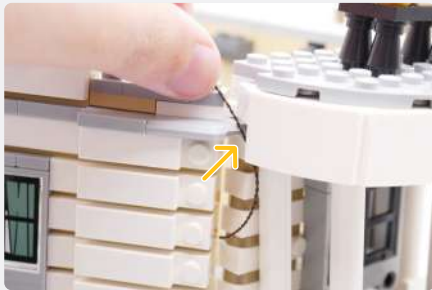
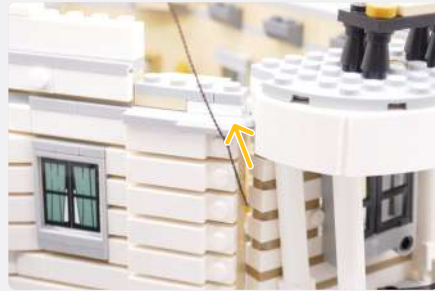
29



NOTE

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





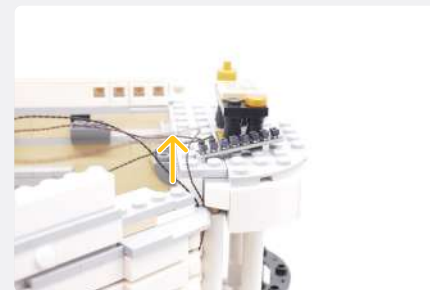
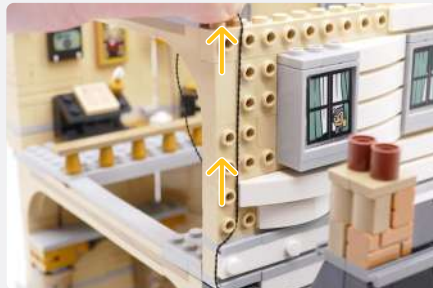
30





NOTE

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



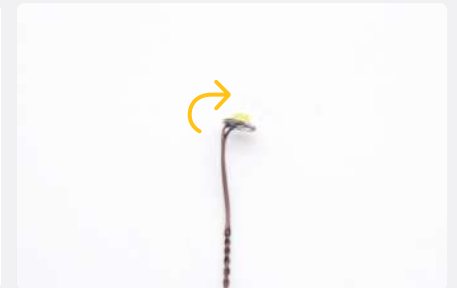
31



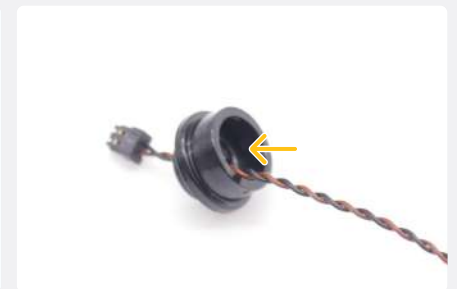
32



White 30cm Bit Light



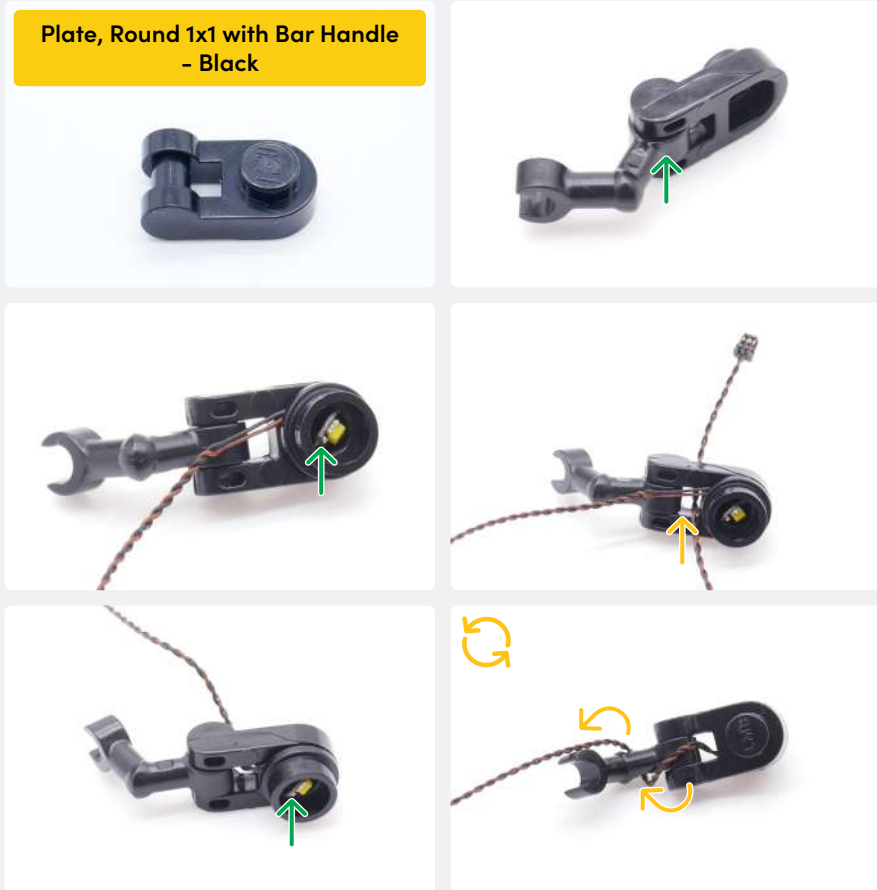
Plate, Round 1x1 with Open Stud - Black



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

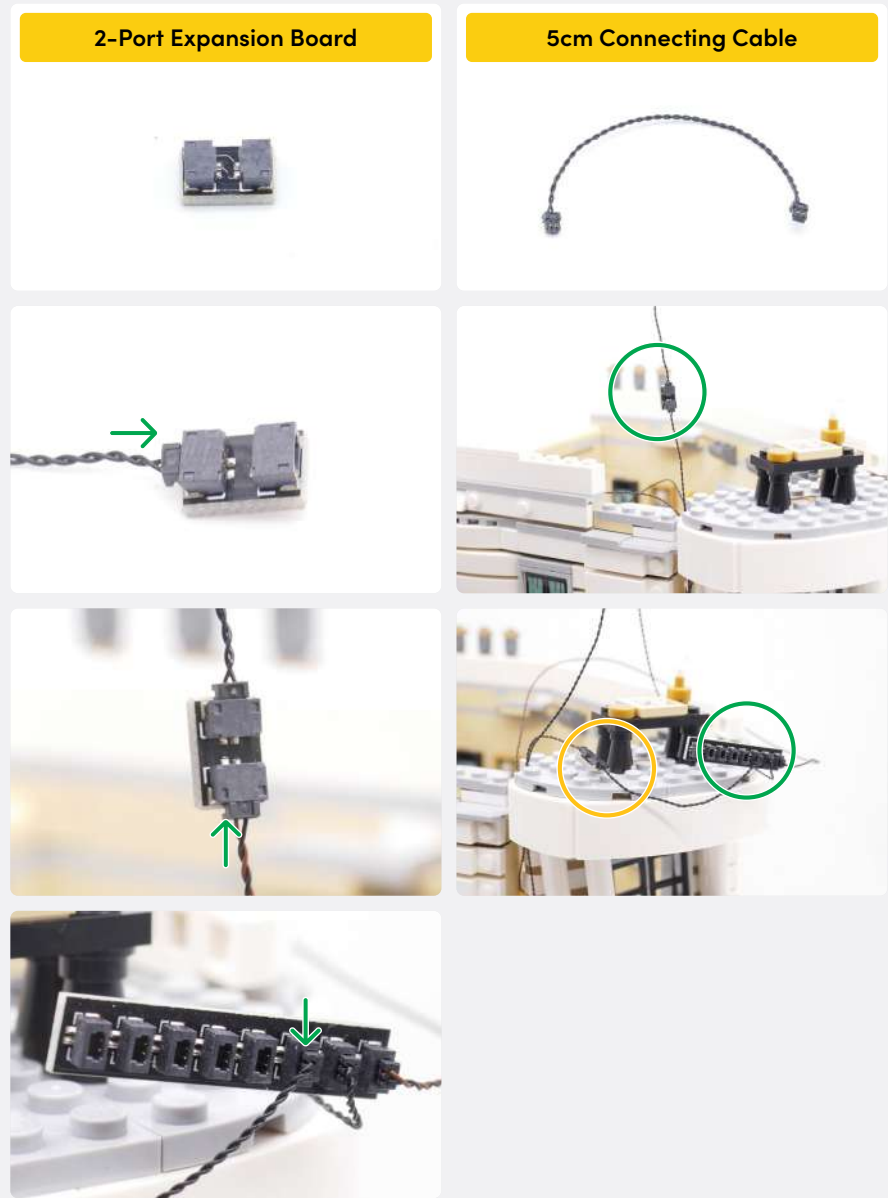
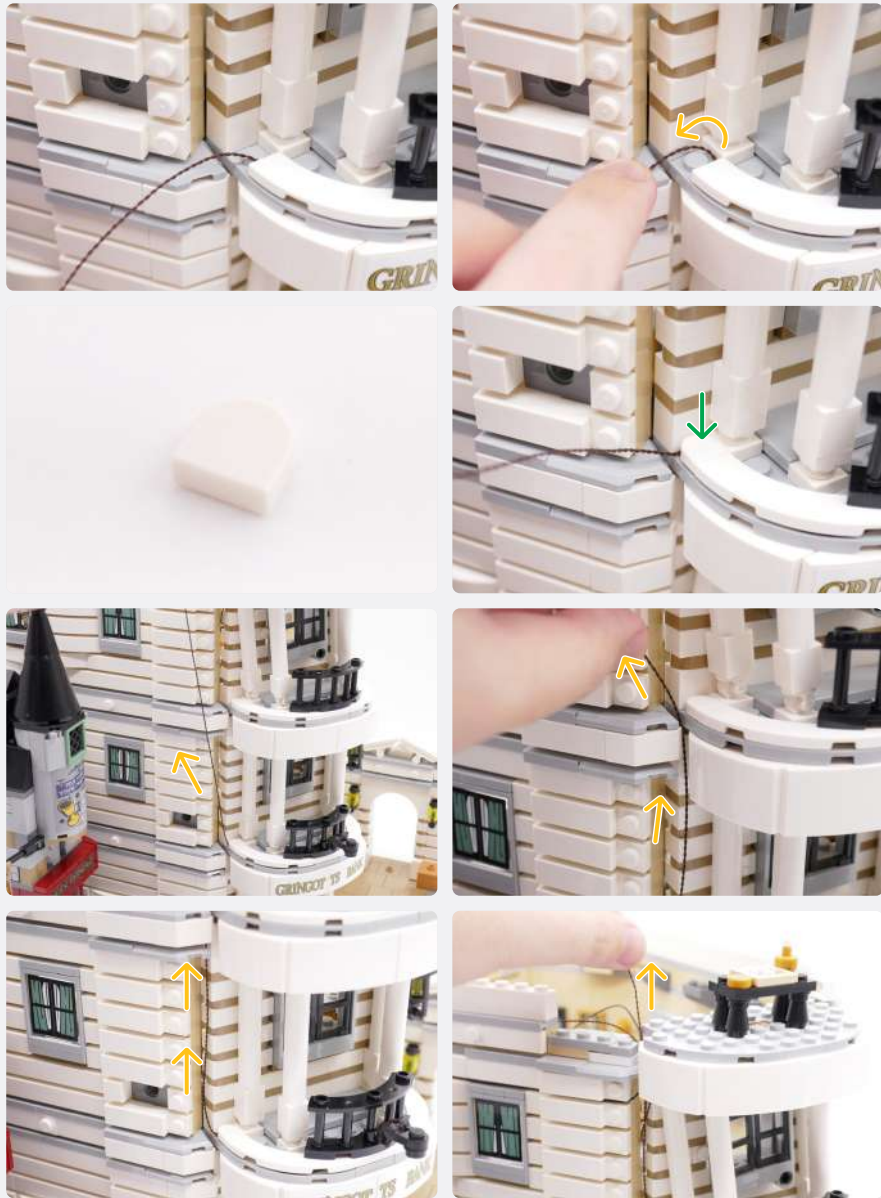


Plate, Round 1x1 with Bar Handle
- Black



33





34

White 30cm Bit Light



Plate, Round 1x1 with Open Stud - Black



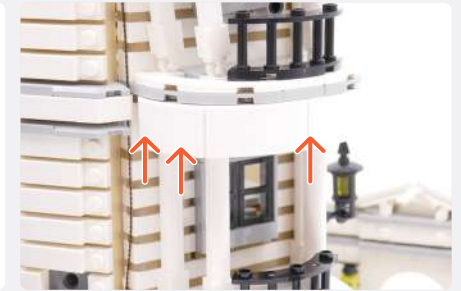
Brick 1x2 - Black



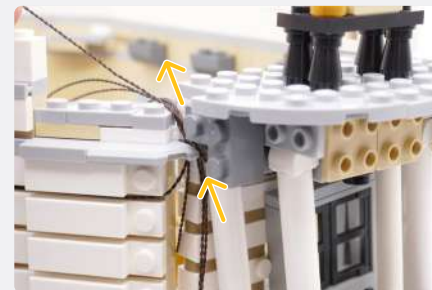
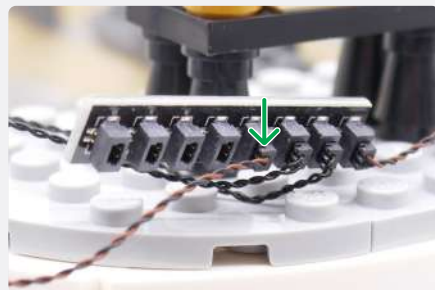
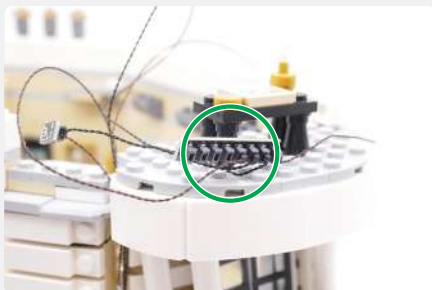
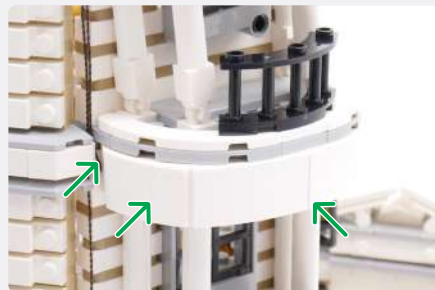
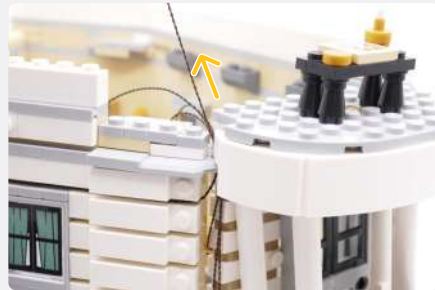
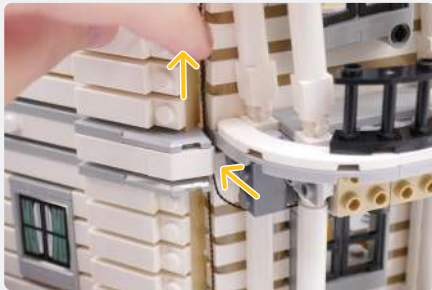
x2



35



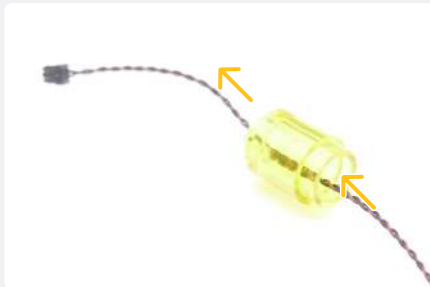
36



37



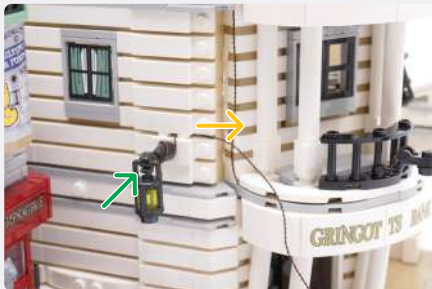
White 30cm Bit Light



Plate, Round 1x1 - Black

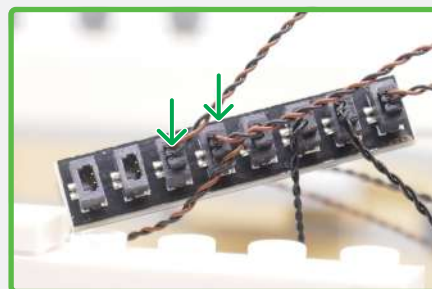


38



NOTE

Connect both loose Bit Lights to the Expansion Board



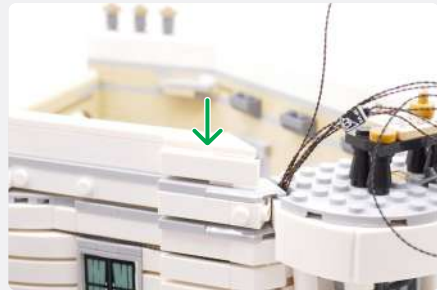
39



NOTE

Use the LEGO Removal Tool to assist in pushing the cables





40

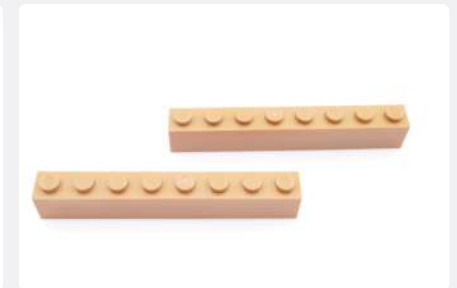
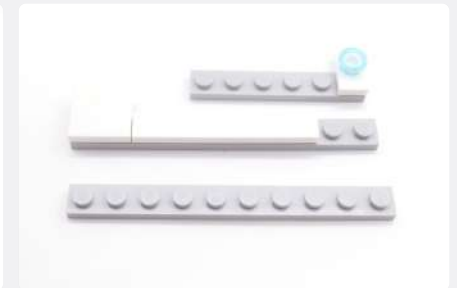
5cm Connecting Cable



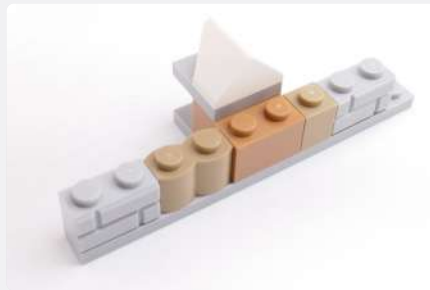
6-Port Expansion Board




41



42

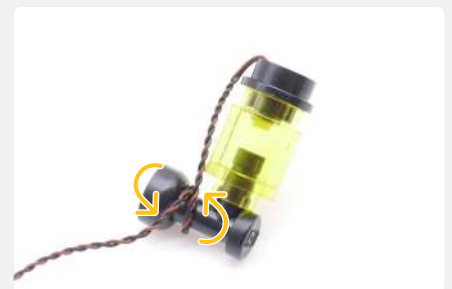


 **NOTE**

Slightly lift the following section



White 30cm Bit Light





NOTE

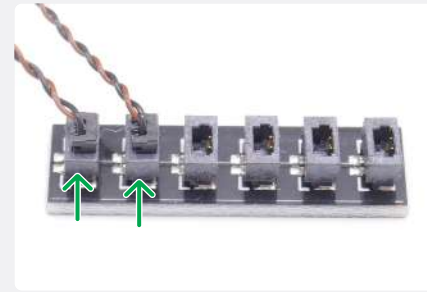
Slightly split the wall to create a gap



NOTE

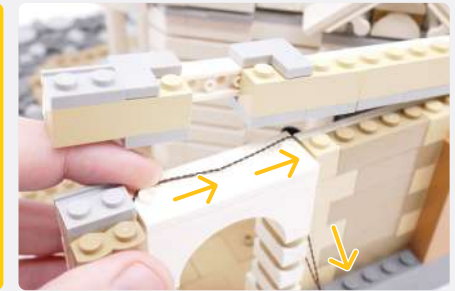
Slightly split the wall to create a gap



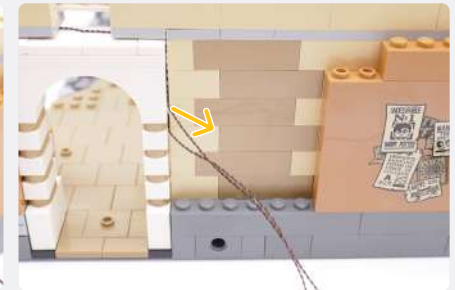
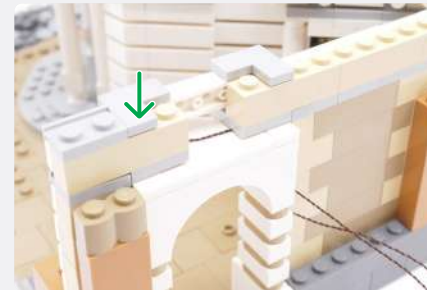
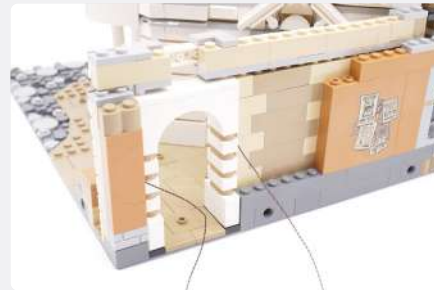


NOTE

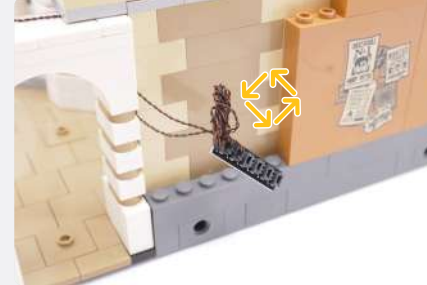
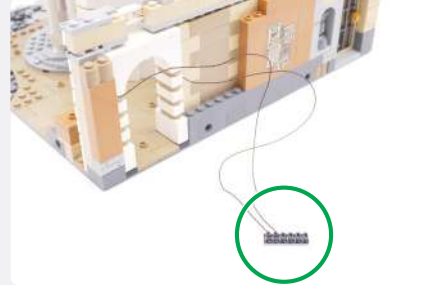
Take the cable from the right Lamp Post and route it as shown



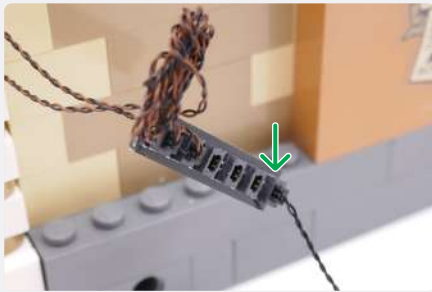
44



6-Port Expansion Board

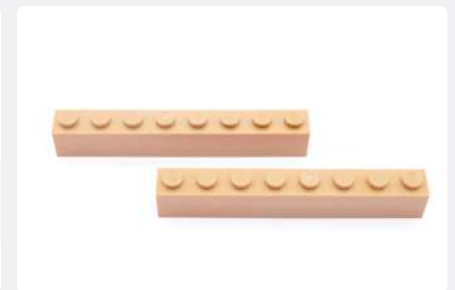
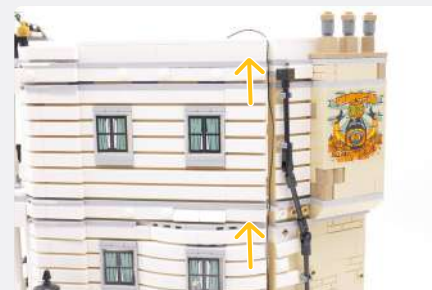
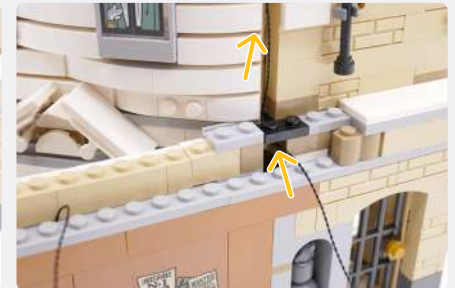
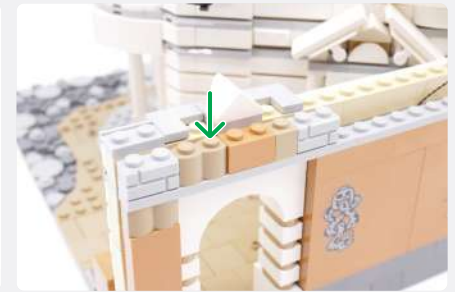
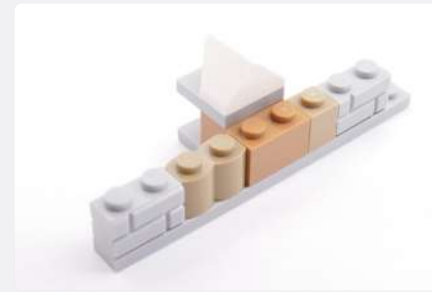
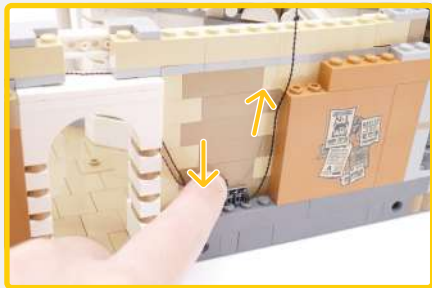


50cm Connecting Cable

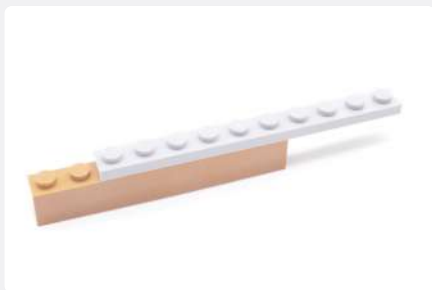
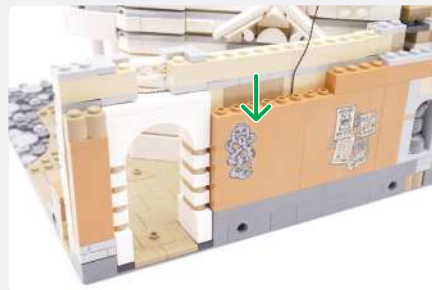


NOTE

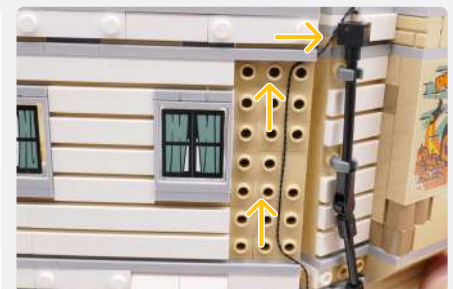
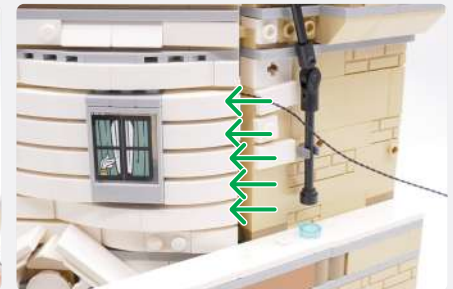
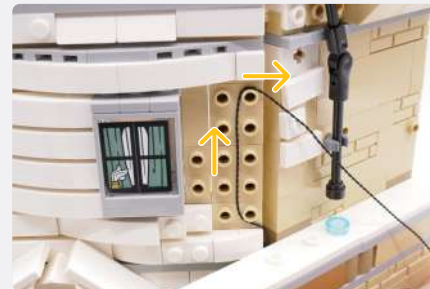
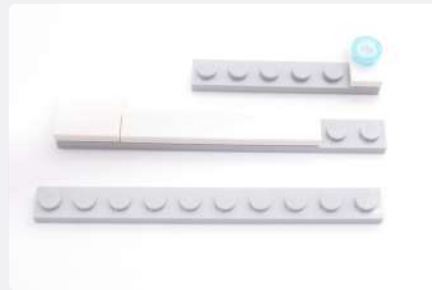
Hold the Expansion Board in the following position as you route the 50cm Connecting Cable

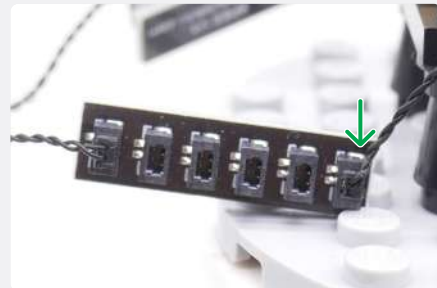


45

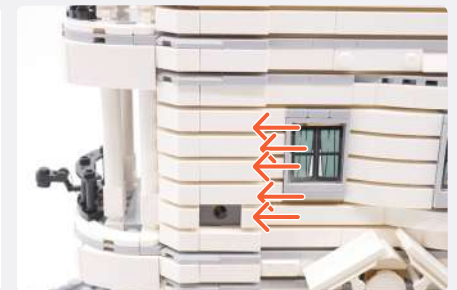


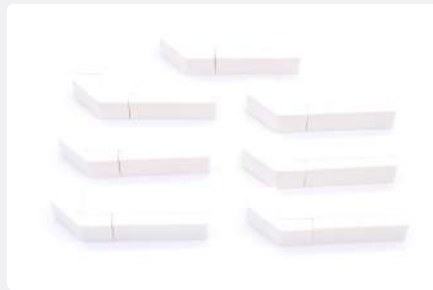
46





47





White 30cm Bit Light

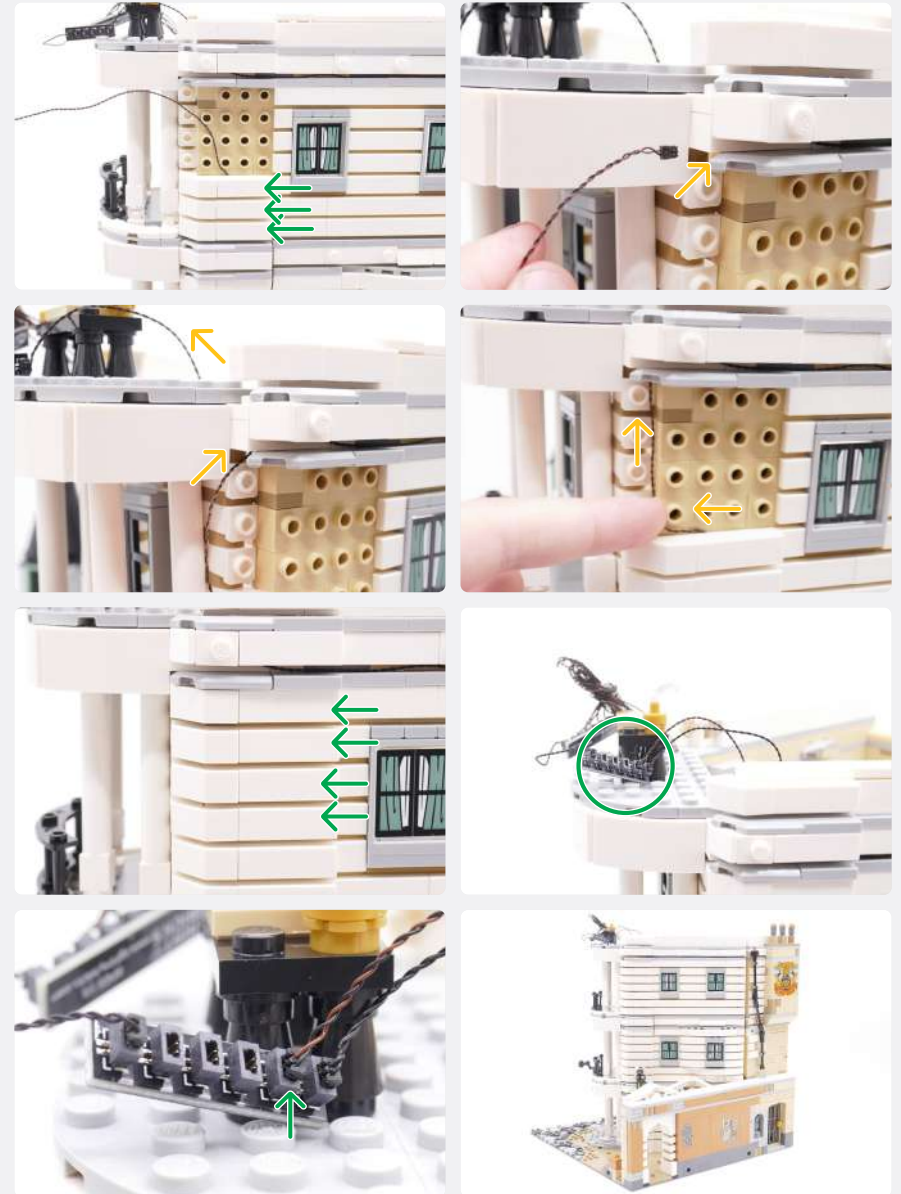
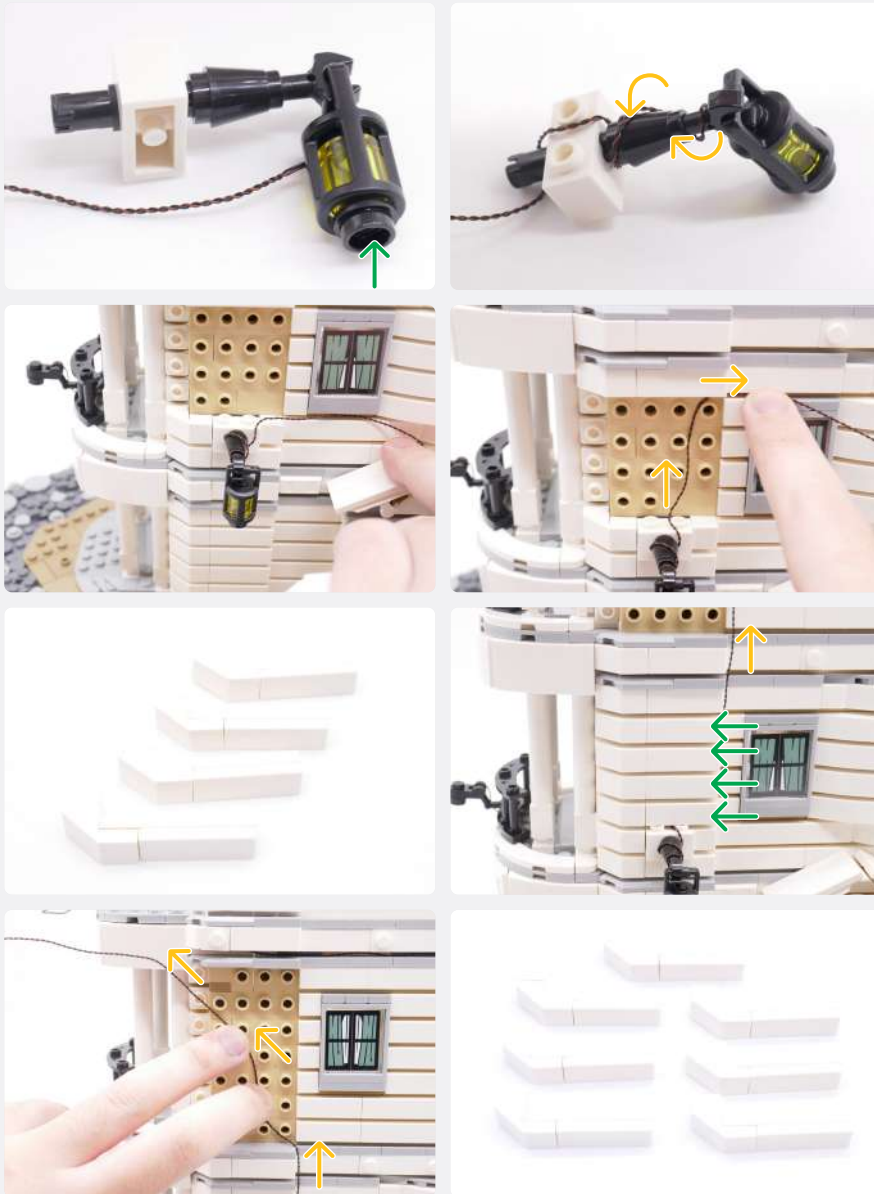


Plate, Round 1x1 - Black

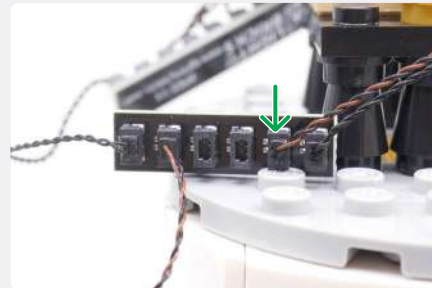


48

49



50



NOTE

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

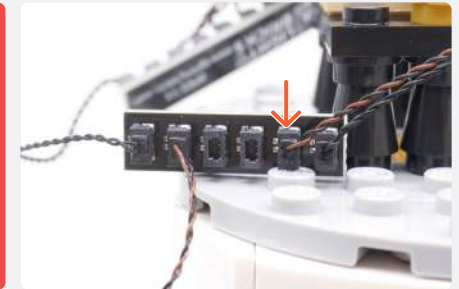


! If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing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



NOTE

Disconnect the USB Power Cable

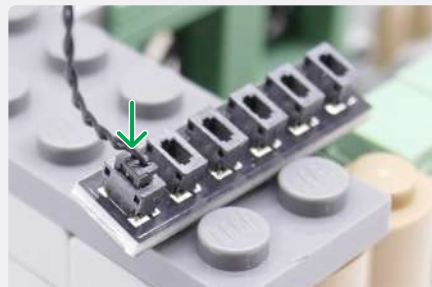


51

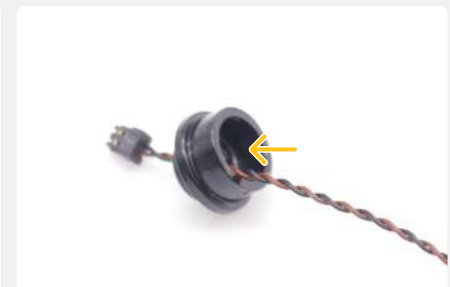
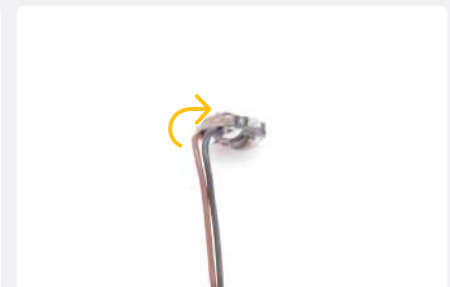
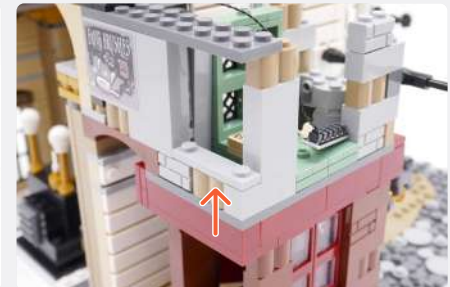


NOTE

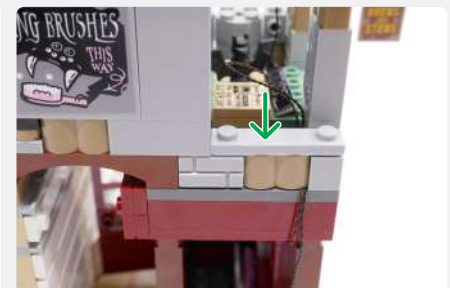
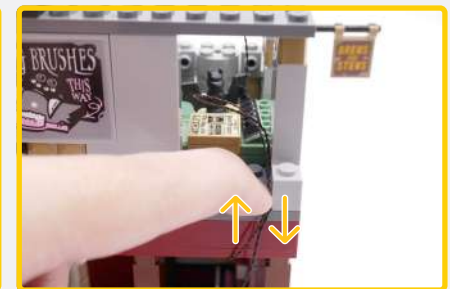
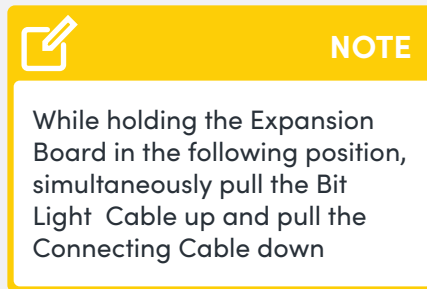
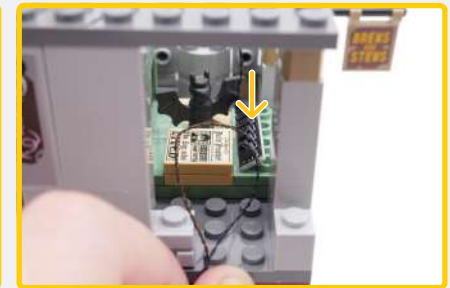
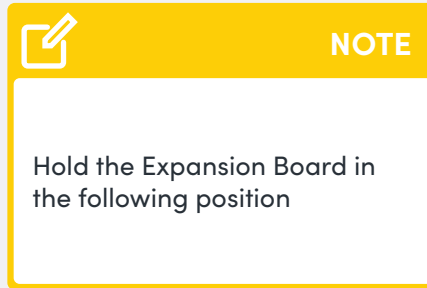
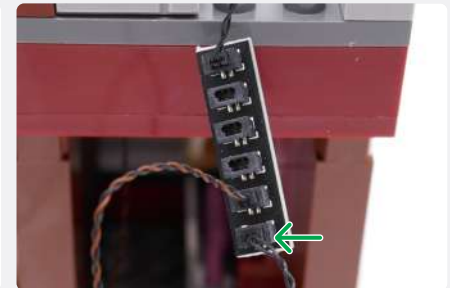
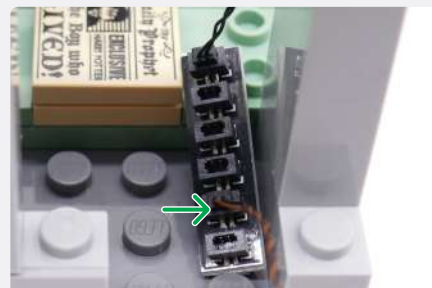
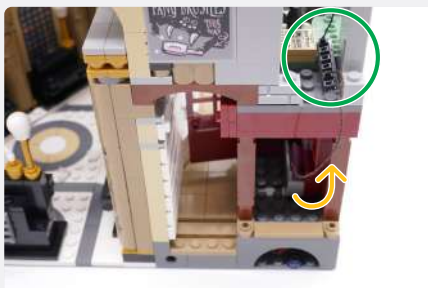
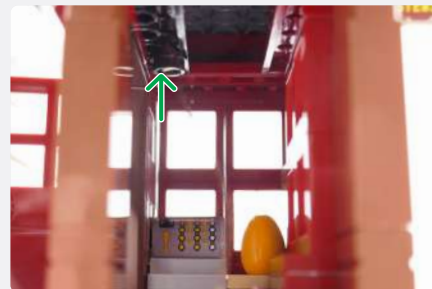
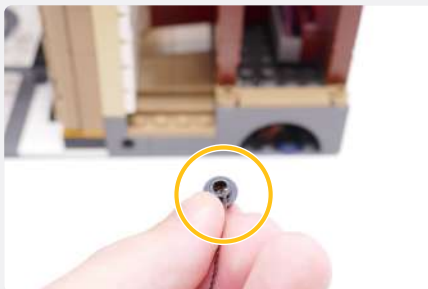
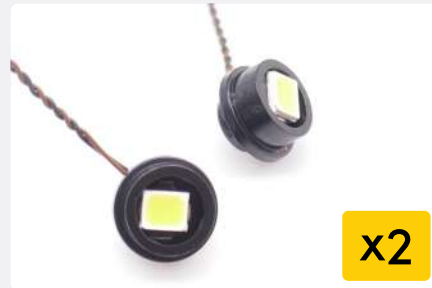
Take the loose 15cm Connecting Cable

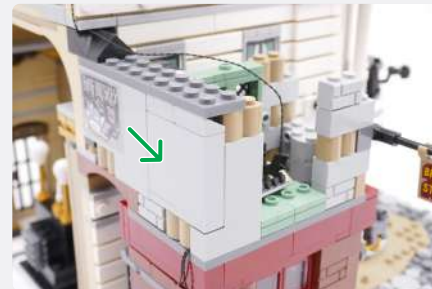
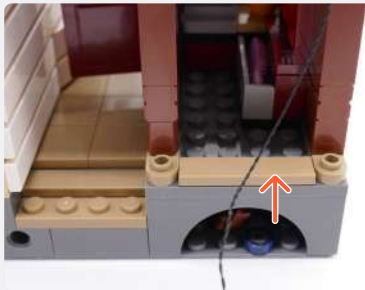


52



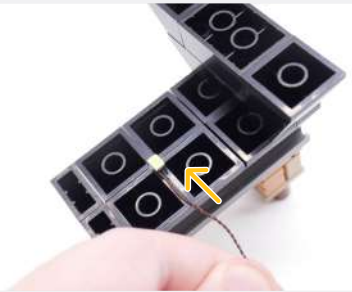
53



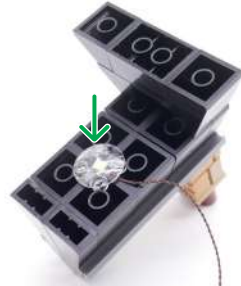


54

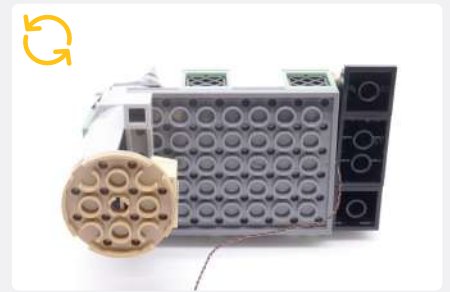
Warm White 15cm Large Bit Light



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



55



56

White 15cm Bit Light



Plate, Round 1x1 with Open Stud - Black



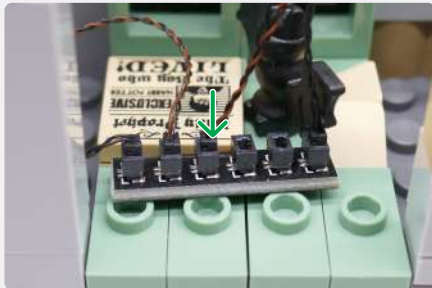
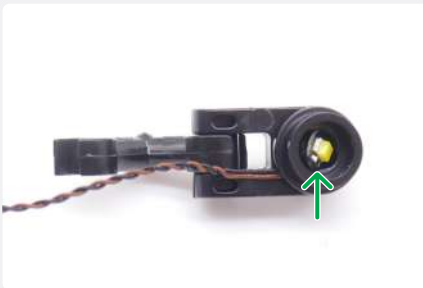
57



Plate, Round 1x1 with Bar Handle - Black



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

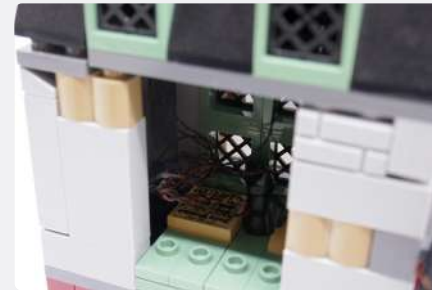
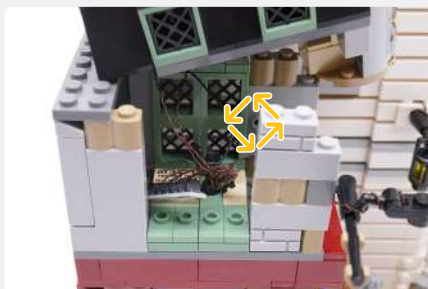
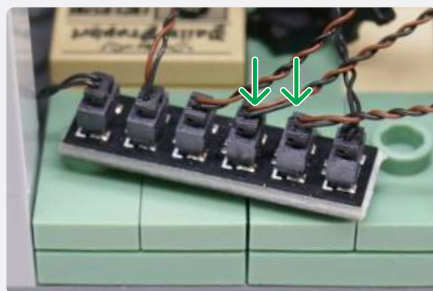
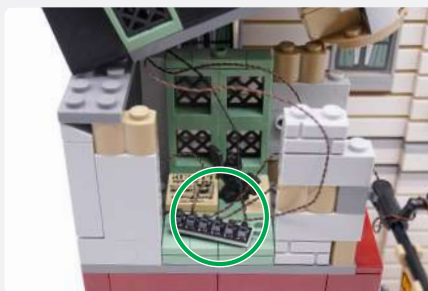
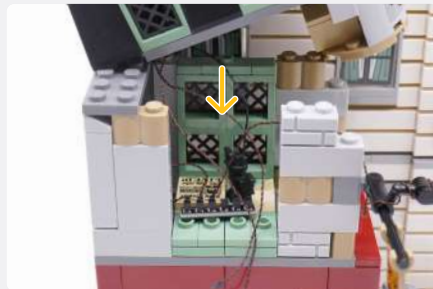


58



NOTE

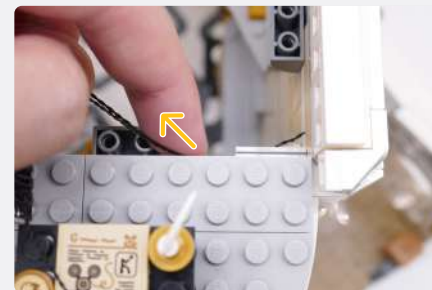
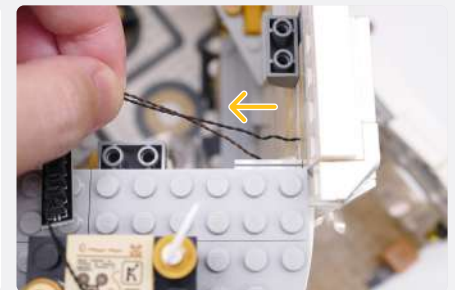
Carefully rest the top section as shown

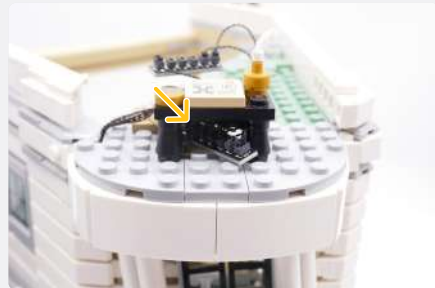


59



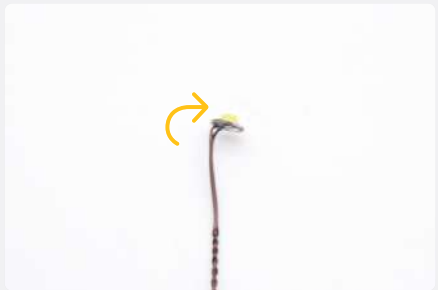
60



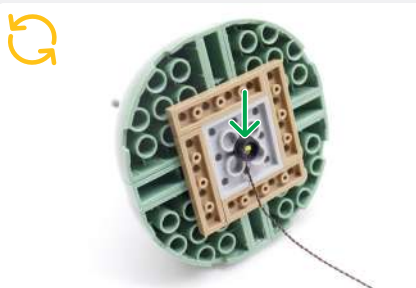


61

White 15cm Bit Light



Plate, Round 1x1 with Open Stud - Black

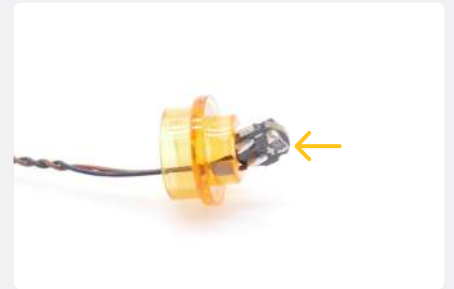


62

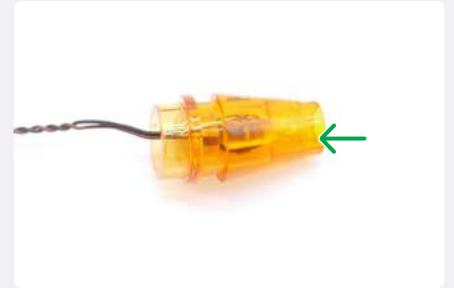


Orange 30cm Large Bit Light

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

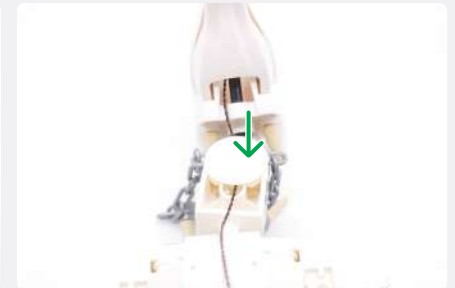
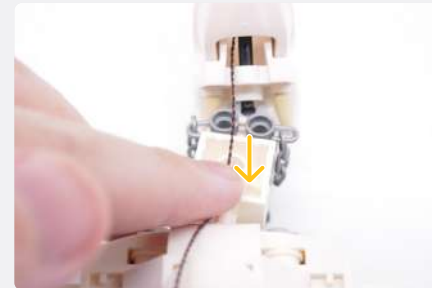


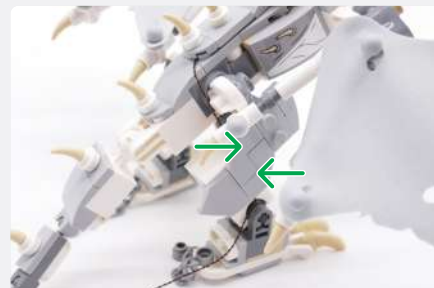
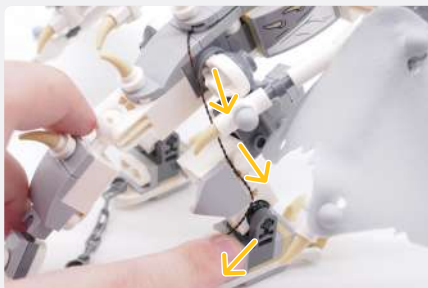
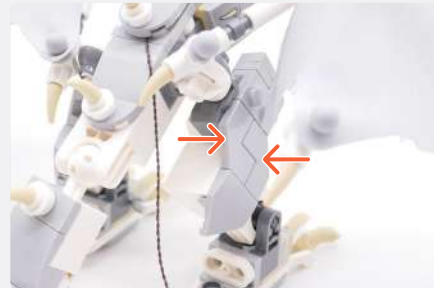
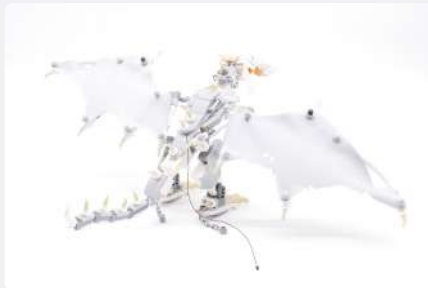
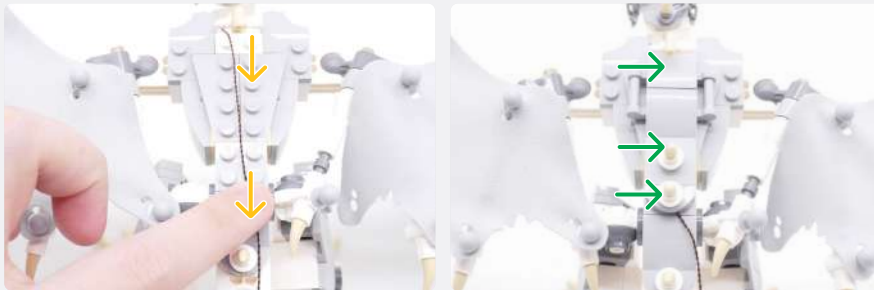
63



NOTE

Position the Flame so that the LED is facing down





64



15cm Connecting Cable

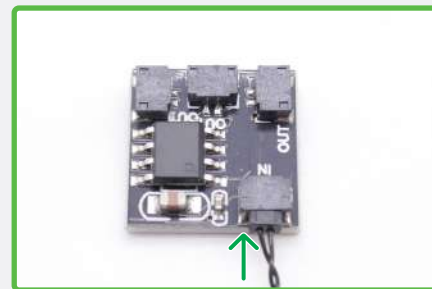


Scary Flicker Effects Board



NOTE

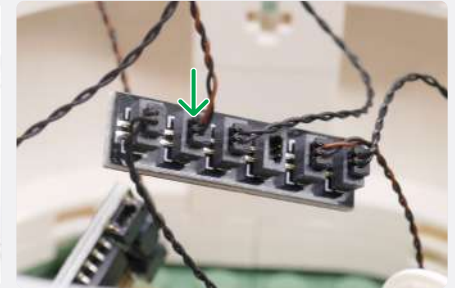
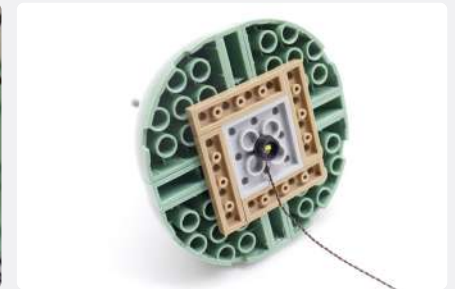
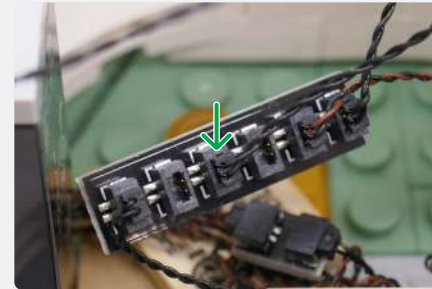
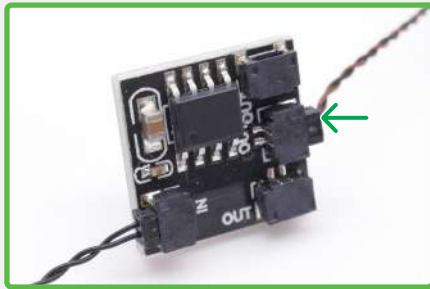
Connect the 15cm Connecting Cable into the "IN" port of the Scary Flicker Effects Board




NOTE

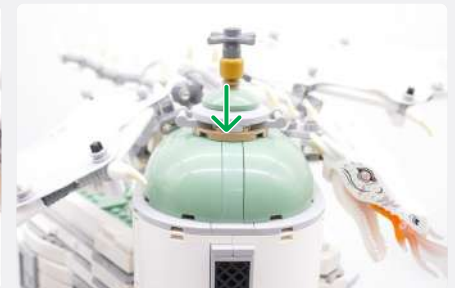
Connect the Orange Large Bit Light into the "OUT" port of the Scary Flicker Effects Board

65

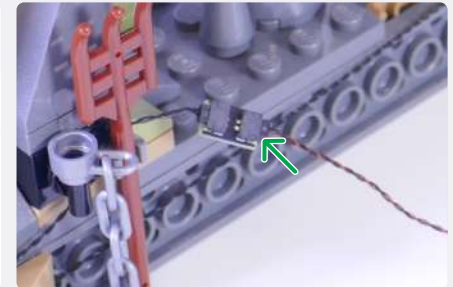
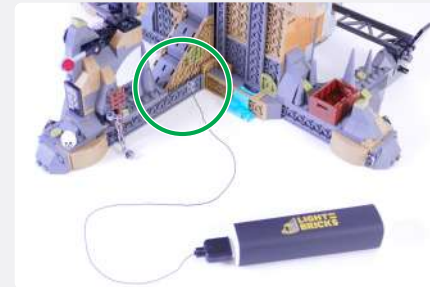
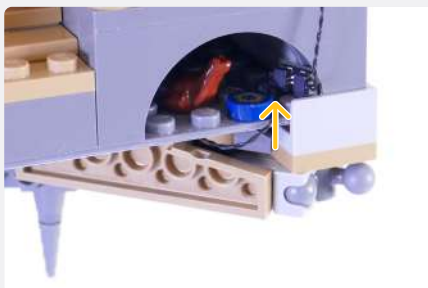
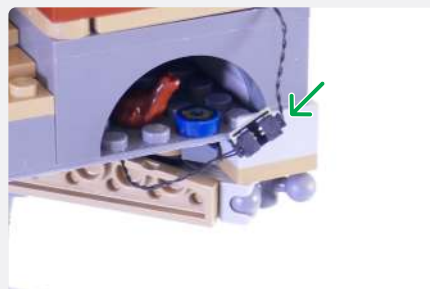
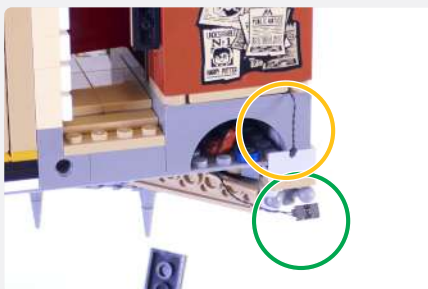


 **NOTE**

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. i

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 [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.

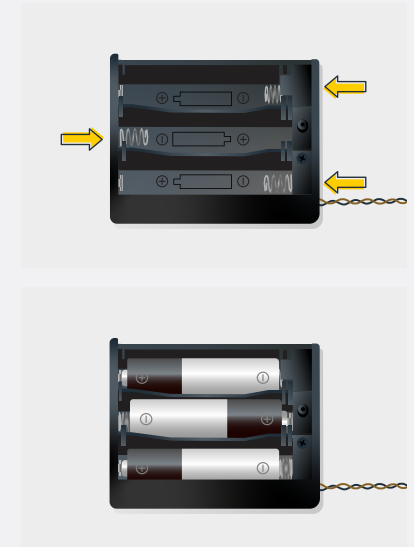
If the batteries have no power, replace the batteries.

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

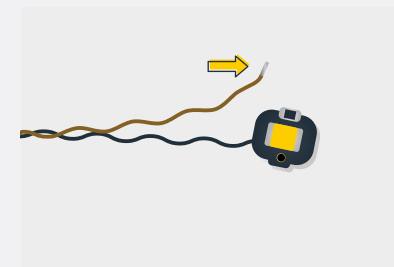
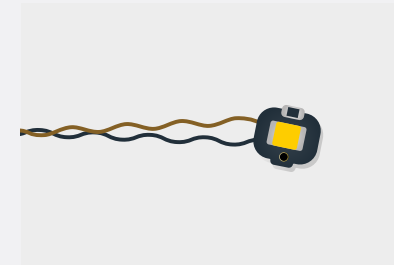
In order for Light My Bricks components to fit in between and underneath LEGO® bricks, the components need to be very small. Due to this nature, Light My Bricks components can be easily damaged when not handled correctly.

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.



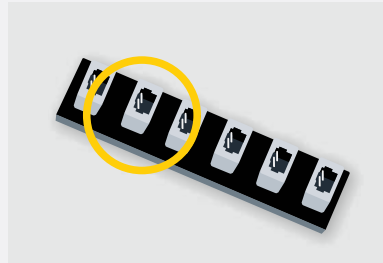
Troubleshooting

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.

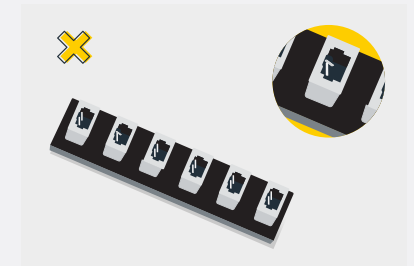
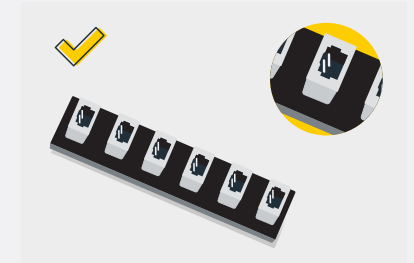
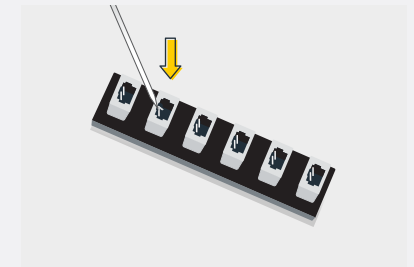
Not only will a light connected to the damaged port not work, but if the pins inside the port are bent to a point they are touching each other, this can result in all other lights in the system to stop working. This is a short circuit.



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

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



lightmybricks.com