LIGHT MY BRICKS

LEGO® EIFFEL TOWER #10307 LIGHT KIT

INSTALLATION GUIDE

Part 2 of 2

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INSTRUCTIONS: Part 2

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

NOTE

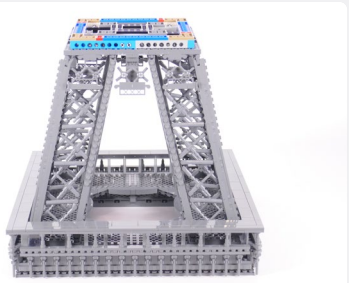
This is Part 2 of the Eiffel Tower Light Kit Instructions

If you have not completed Part 1 first, click the box.

Click me!

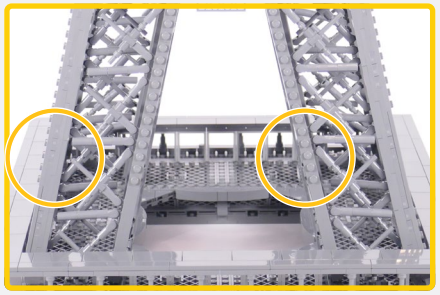
Part 1

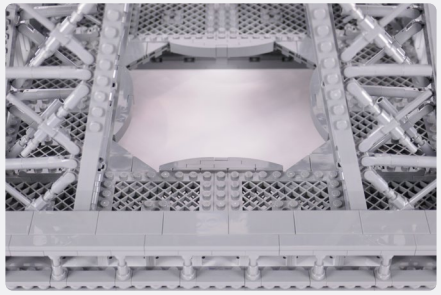
Links to instructions portal page



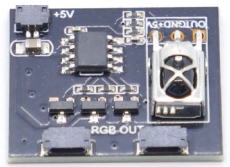
NOTE

Ensure the 2nd level of the Eiffel Tower lines up with the first. The correct side has the flat plates and studs in the following locations.





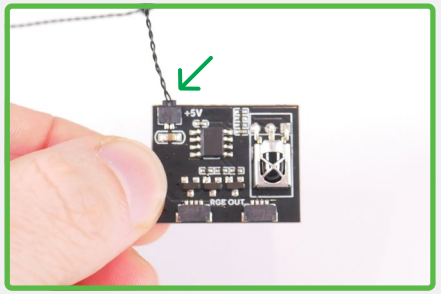
RGB IR Control Board

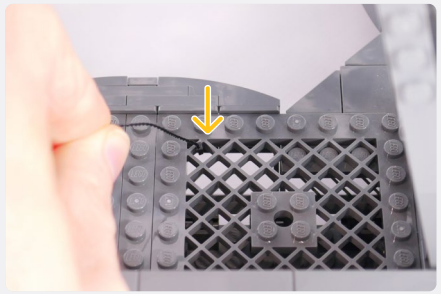


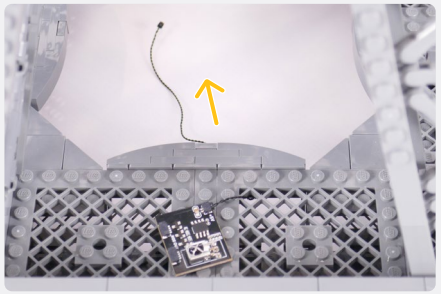
15cm Connecting Cable

NOTE

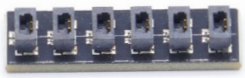
Connect the 15cm Connecting Cable into the “+5V” port on the RGB IR Control Board.

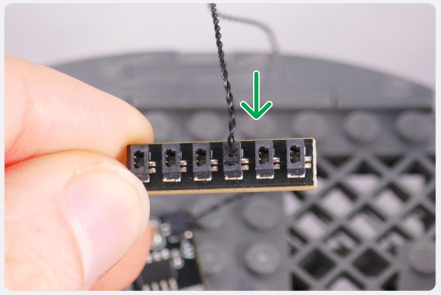






6-Port Expansion Board





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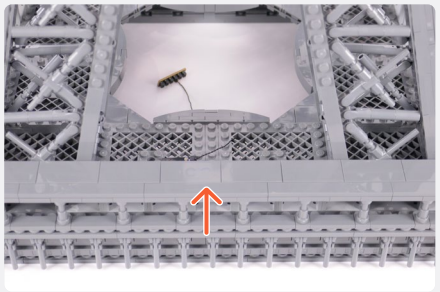
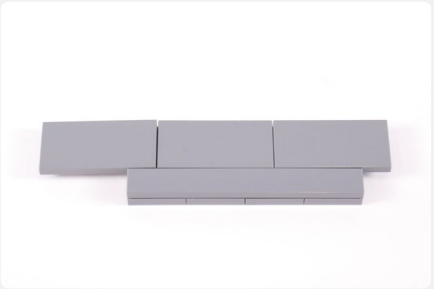
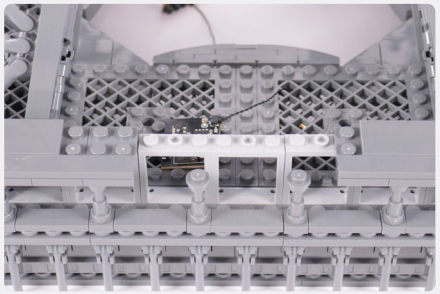
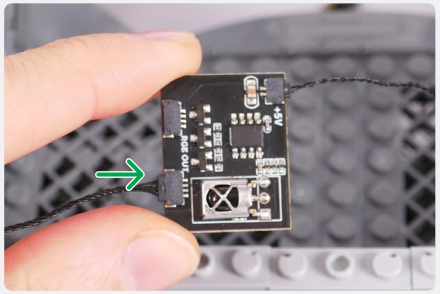
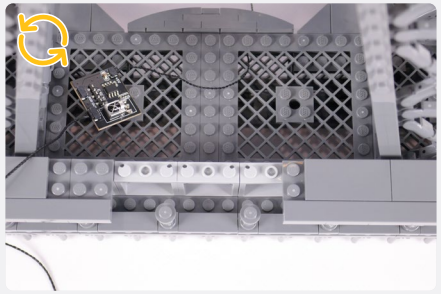




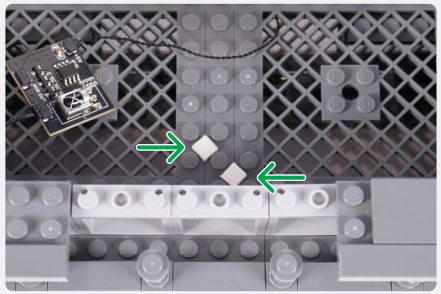


RGB 30cm Connecting Cable





2x Adhesive Square



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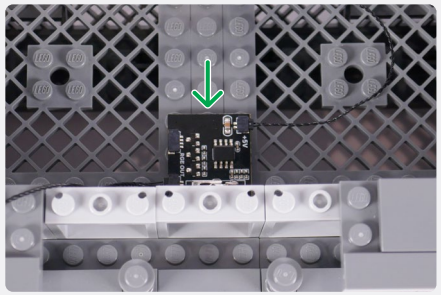
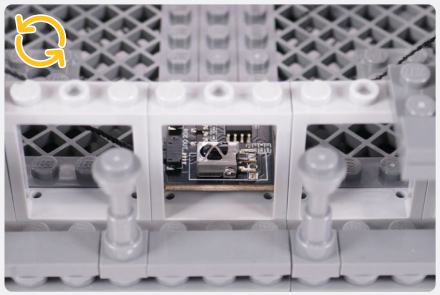
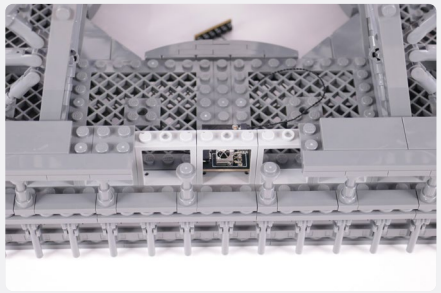
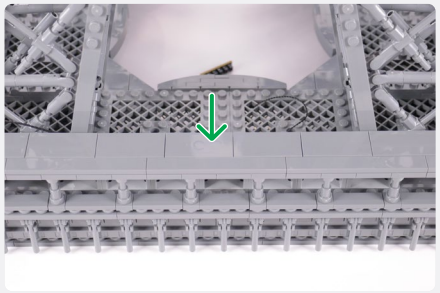
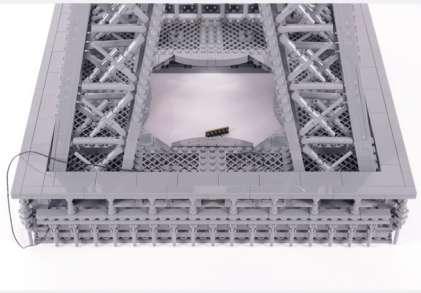


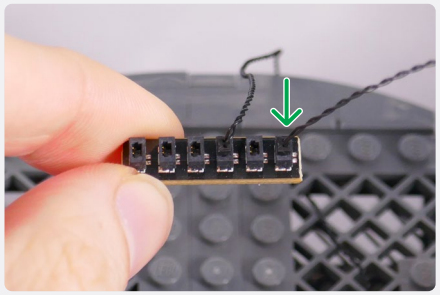




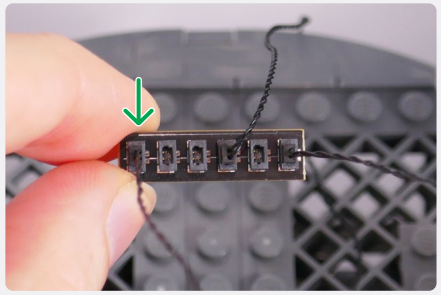


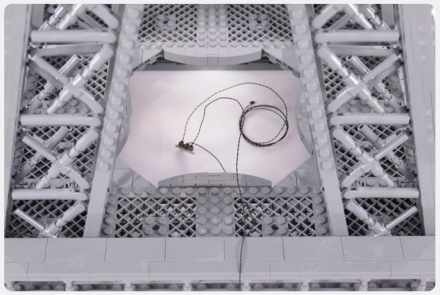


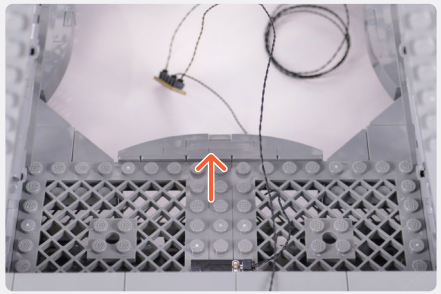
50cm Connecting Cable

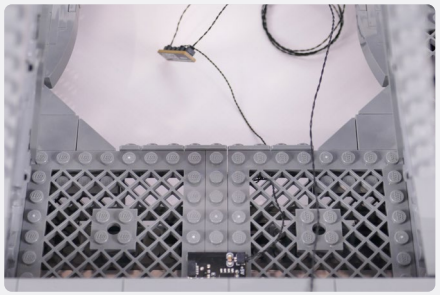


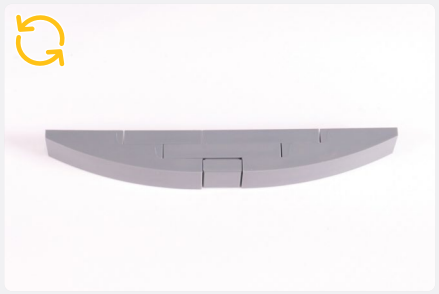
50cm Connecting Cable



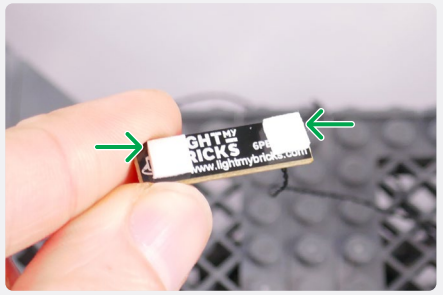


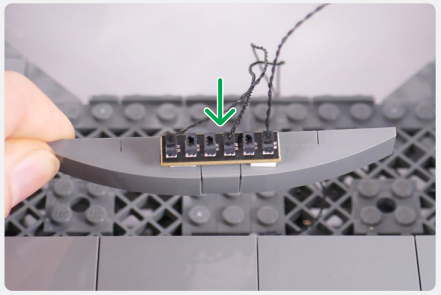


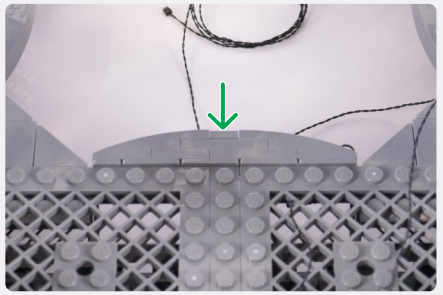




2x Adhesive Square

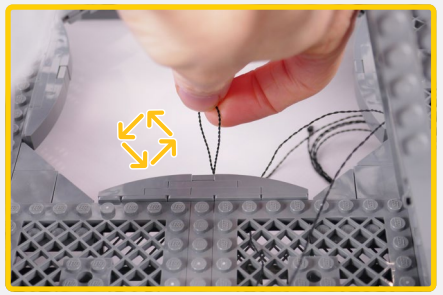


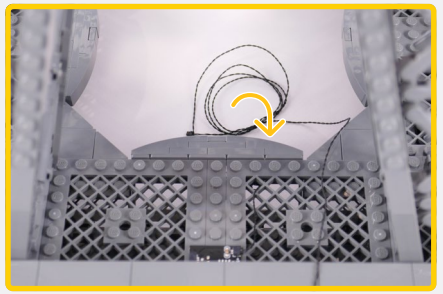




NOTE

Twist the 15cm Connecting Cable and fold it under the 6-Port Expansion Board.





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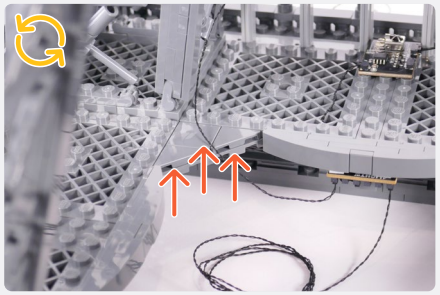
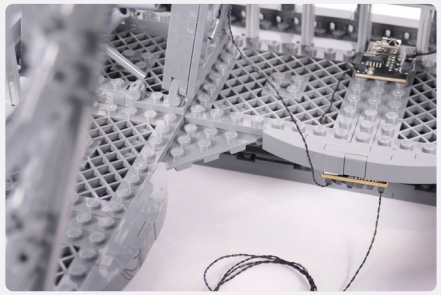
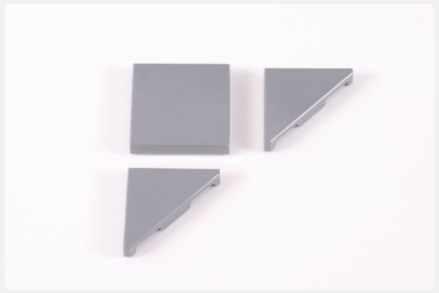
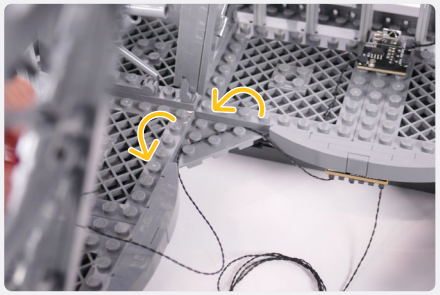


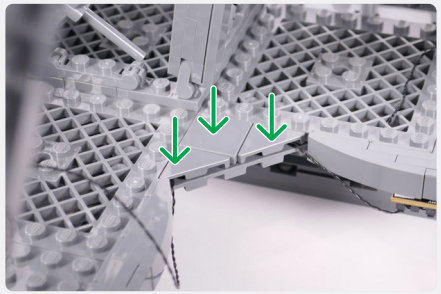


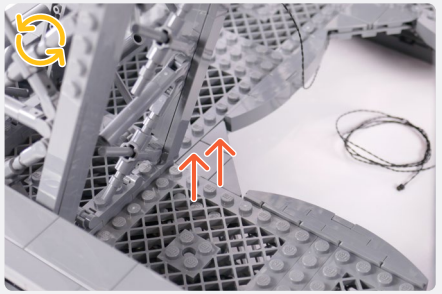


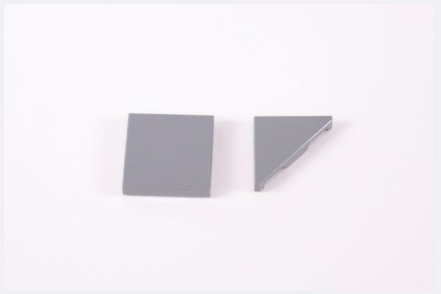
NOTE

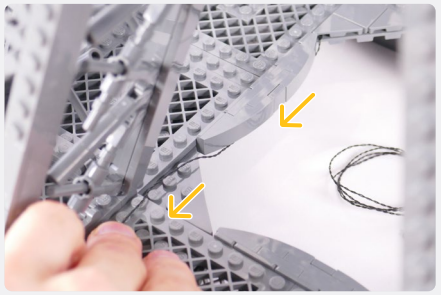
For Steps 4-5, use one 50cm Connecting Cable while leaving one 50cm Connecting Cable for a later step.

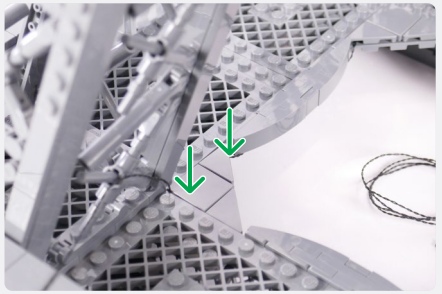












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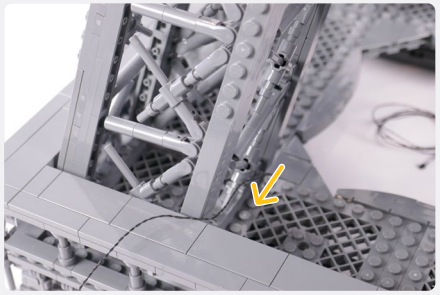
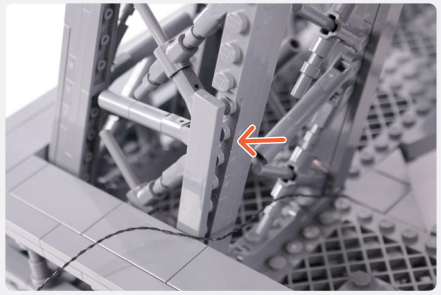
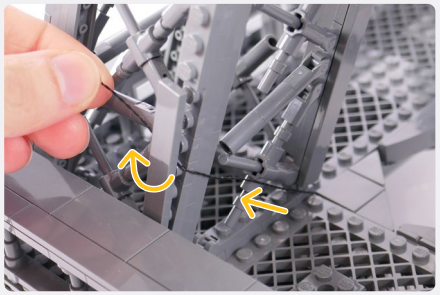
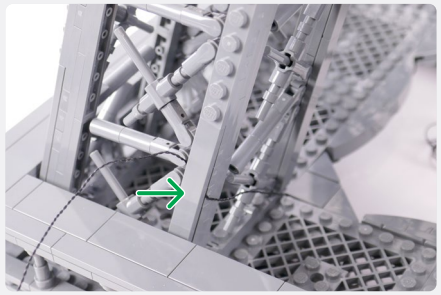
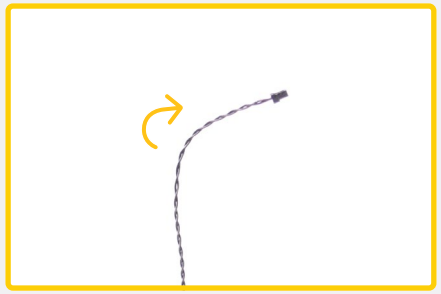
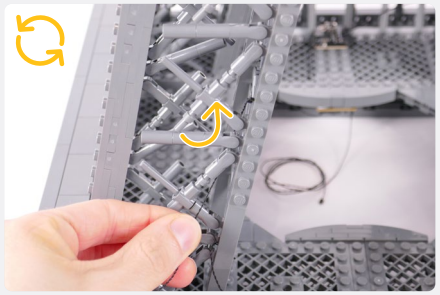
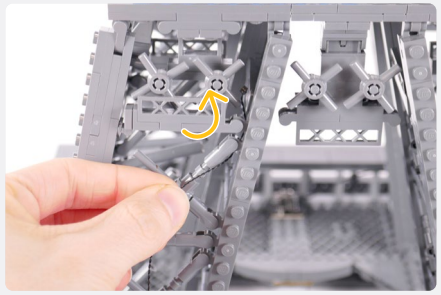
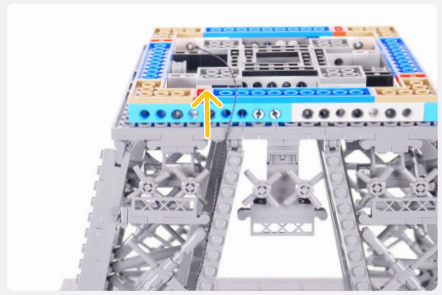





NOTE

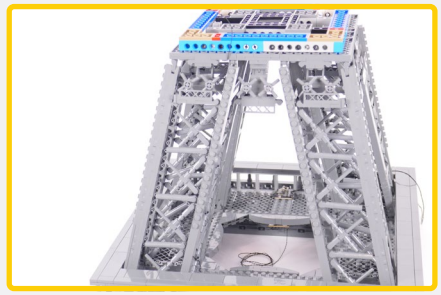
Bend the loose end of the Connecting Cable to look like pictured, to more easily wrap it around the beams.

NOTE

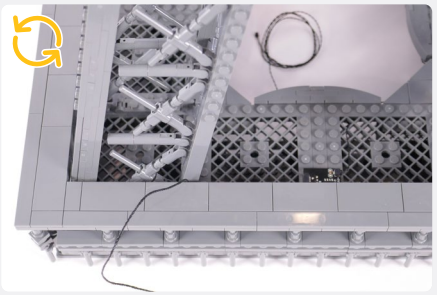
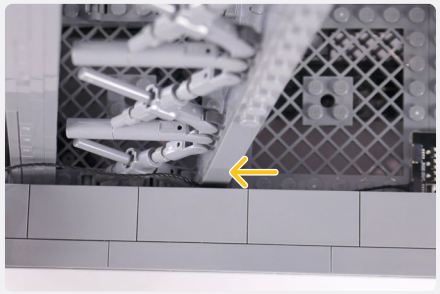
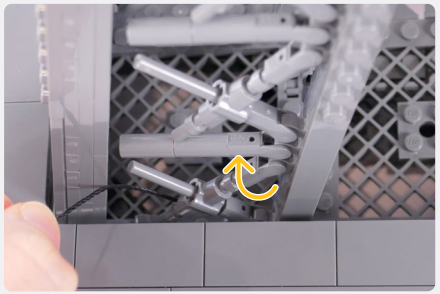
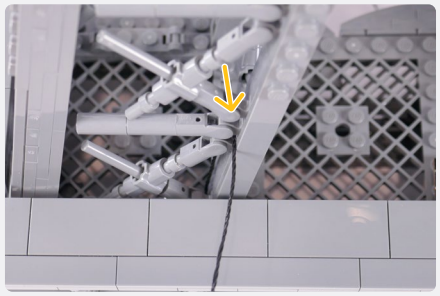
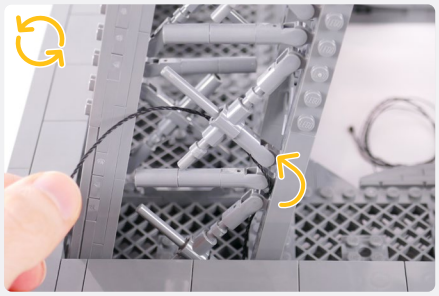
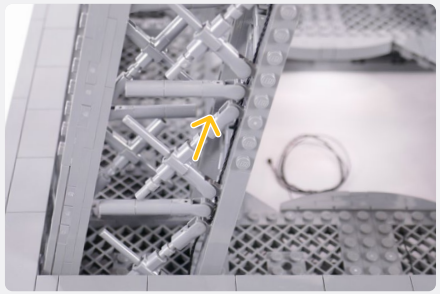
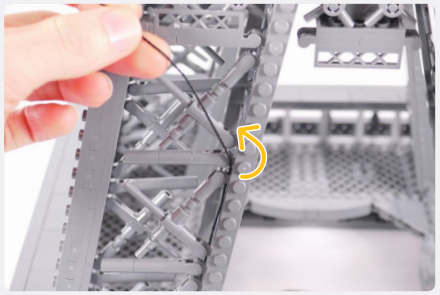
Leave the 50cm Connecting Cable loose for a later step.



6

NOTE

Take the loose RGB Connecting Cable and thread it up the left column.

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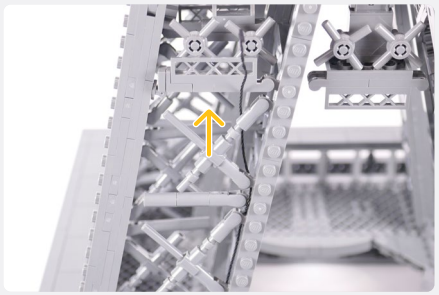
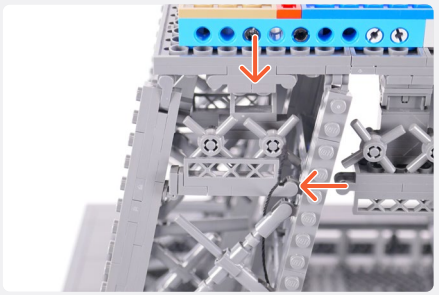
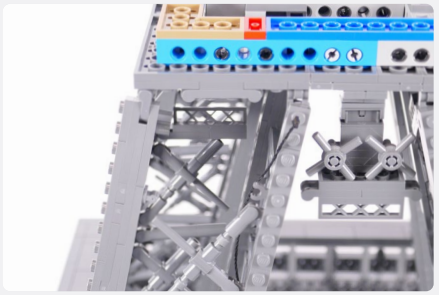
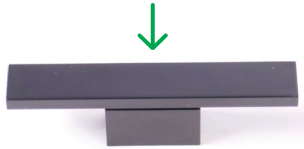



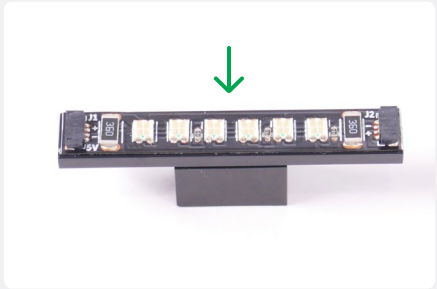


Tile 1x6 - Black

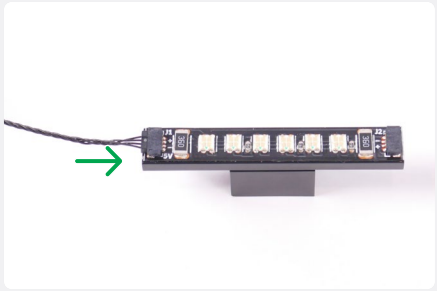
Brick 1x2 - Black



RGB Strip Light 2.0



RGB 15cm Connecting Cable



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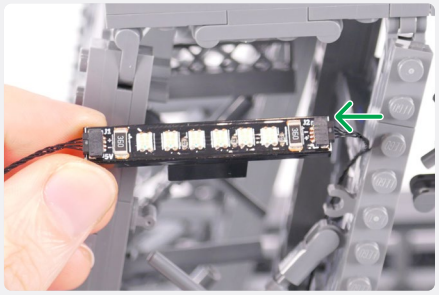

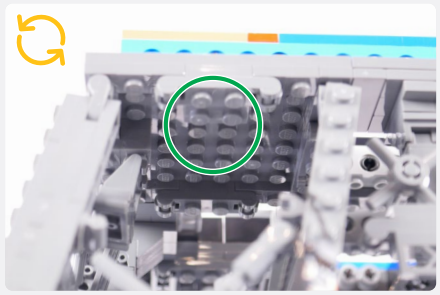

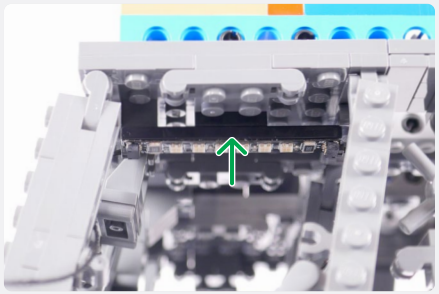

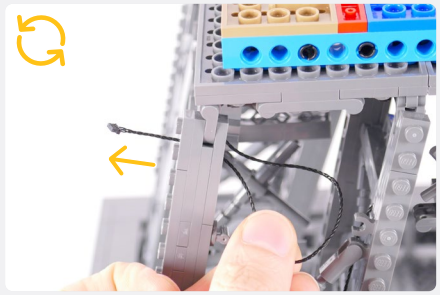

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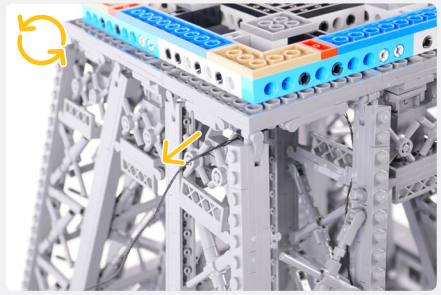

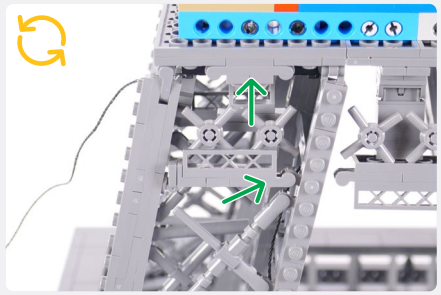

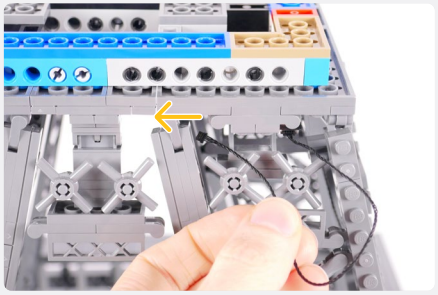

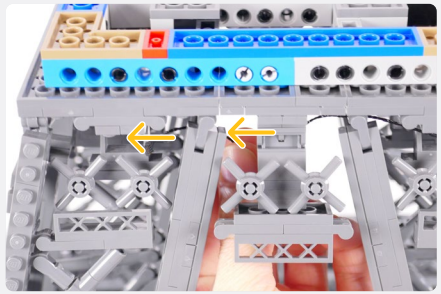

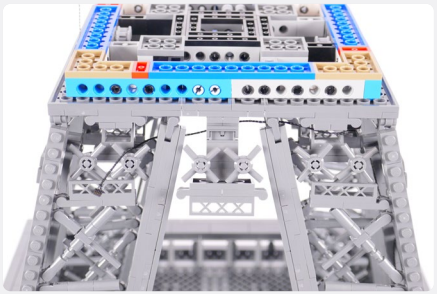

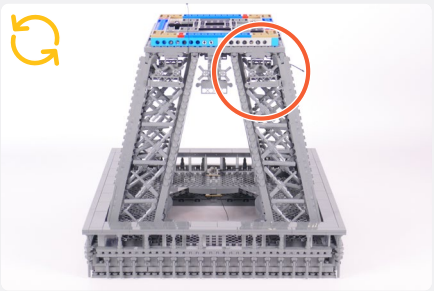

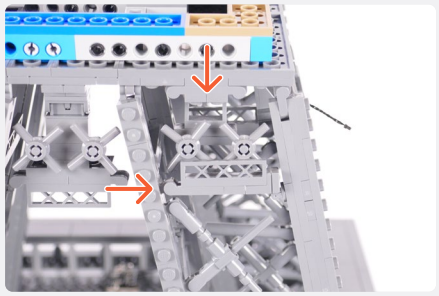

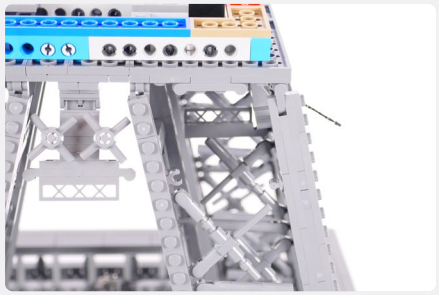

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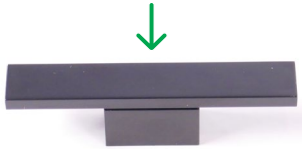
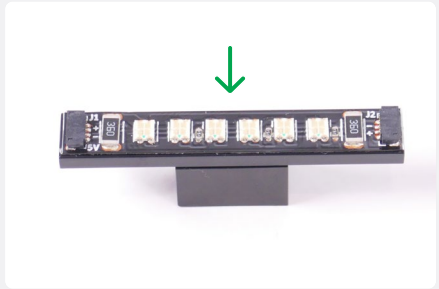
Tile 1x6 - Black

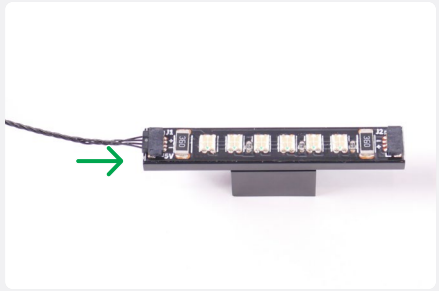
Brick 1x2 - Black



RGB Strip Light 2.0



RGB 15cm Connecting Cable



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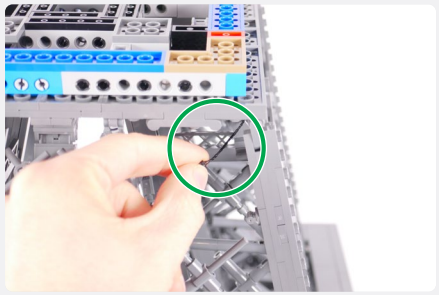

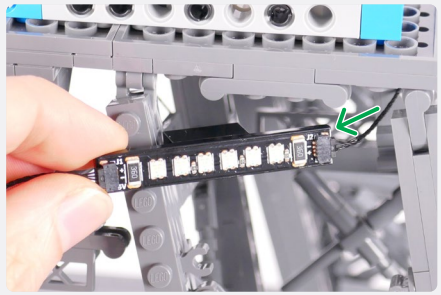

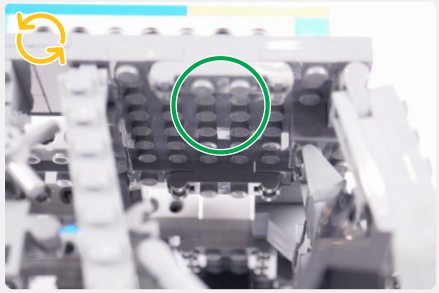

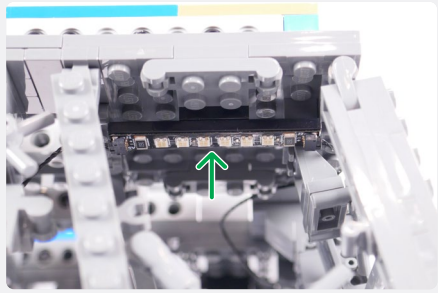

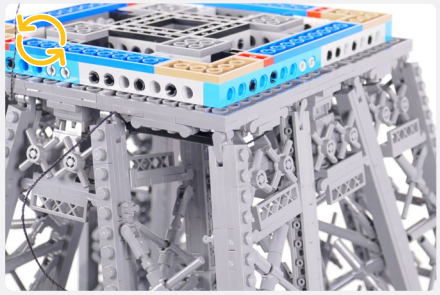
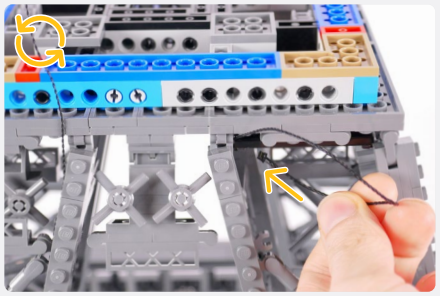
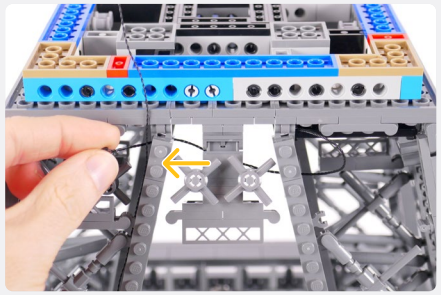
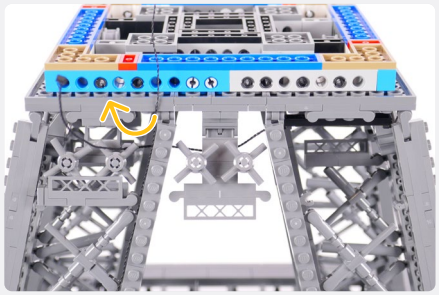
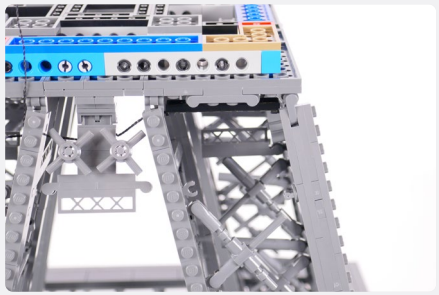
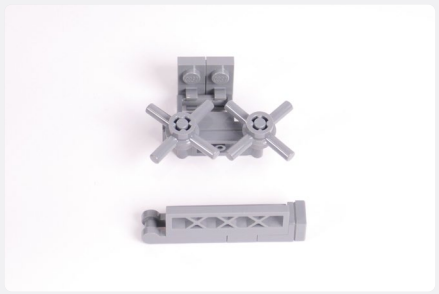
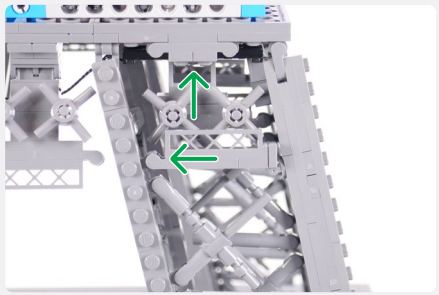

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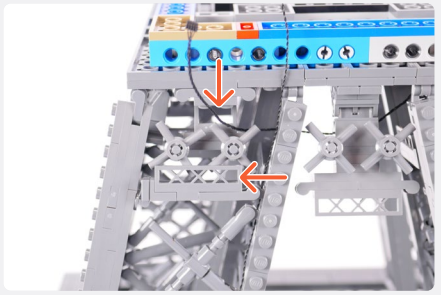
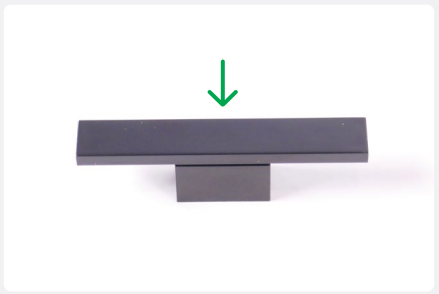
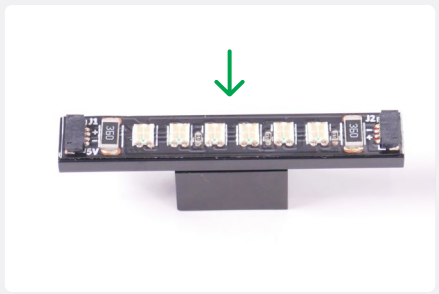


Tile 1x6 - Black

Brick 1x2 - Black



RGB Strip Light 2.0



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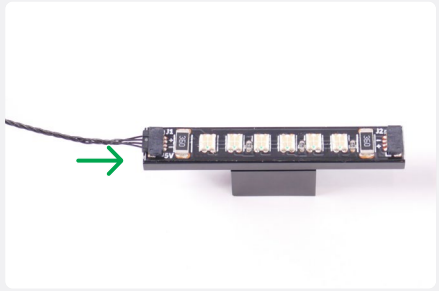
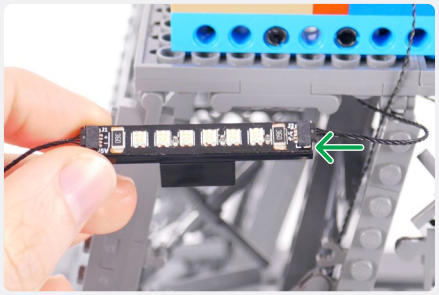
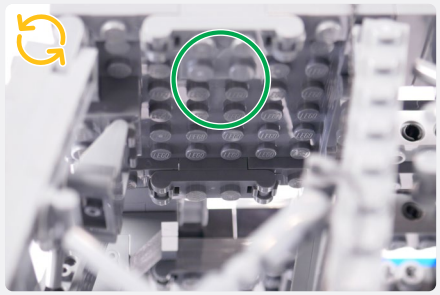
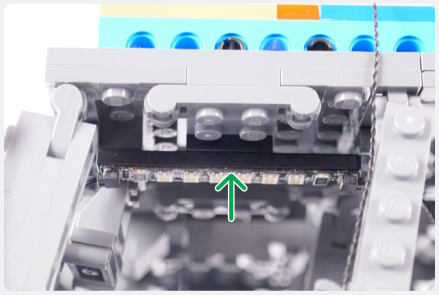
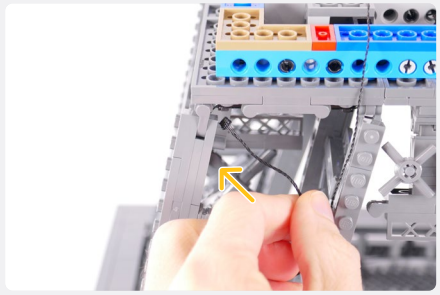
RGB 15cm Connecting Cable

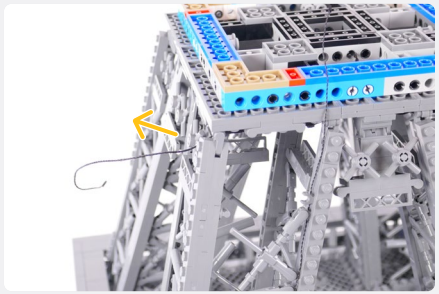


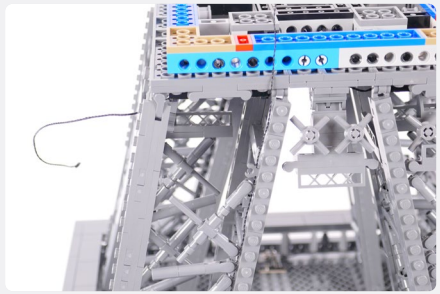


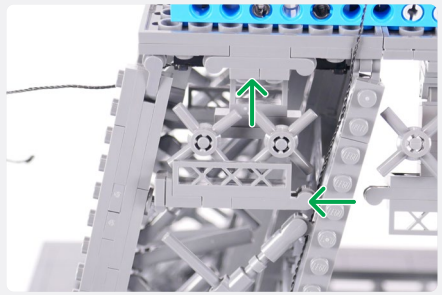


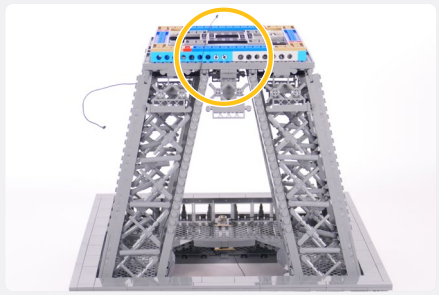


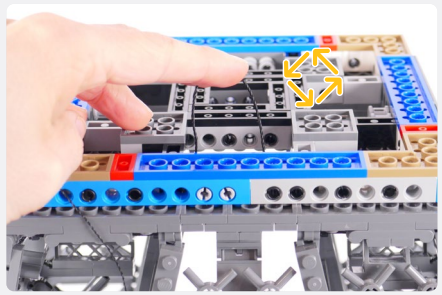


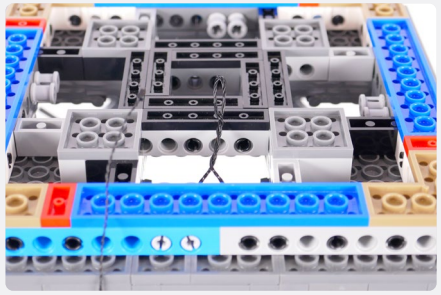


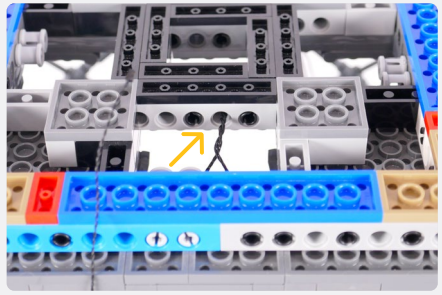












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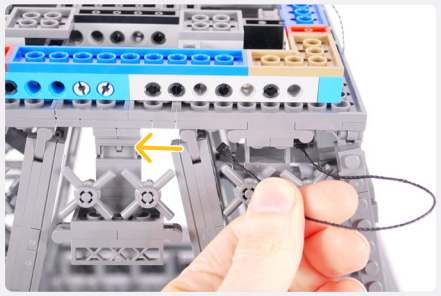
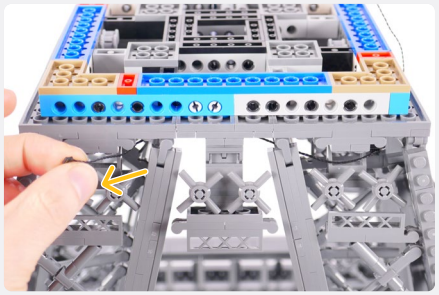
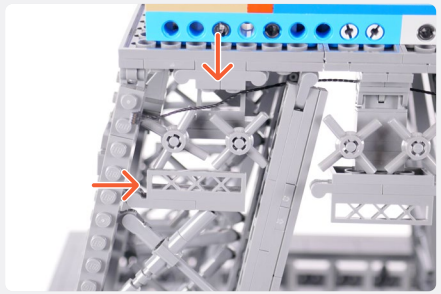
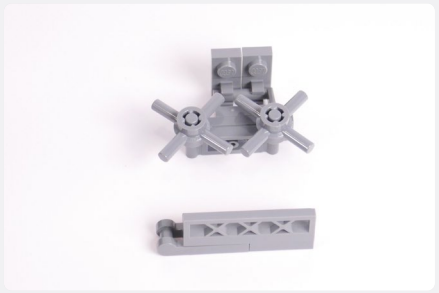
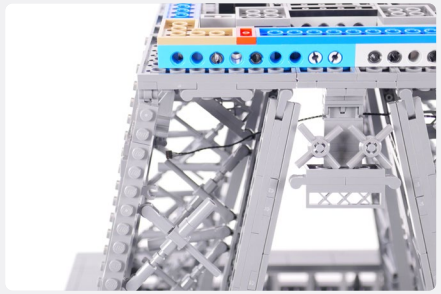




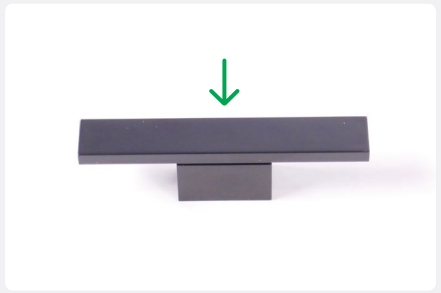




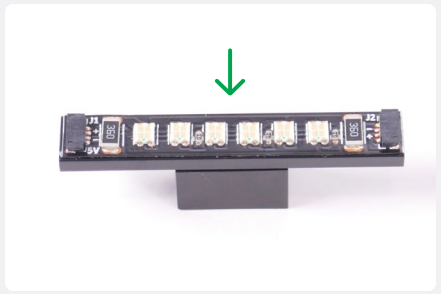


Tile 1x6 - Black

Brick 1x2 - Black



RGB Strip Light 2.0



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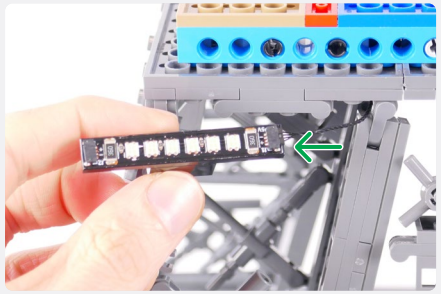

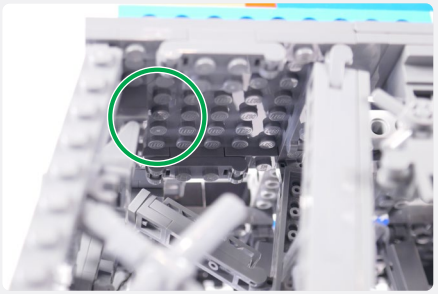

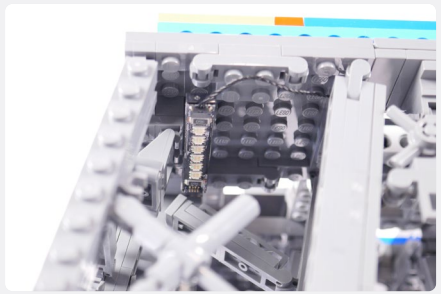

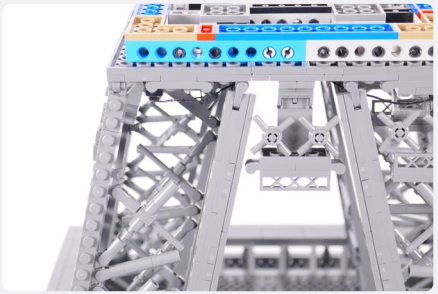

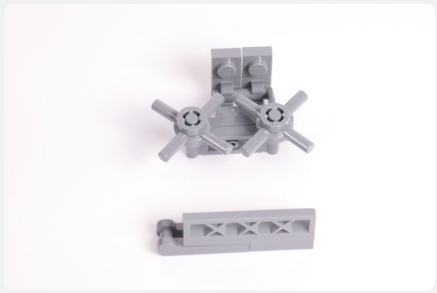

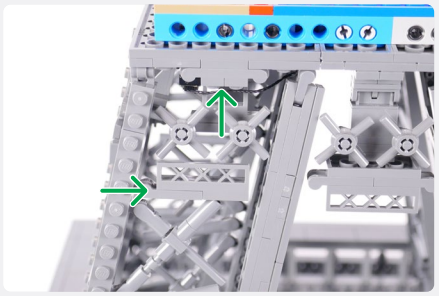

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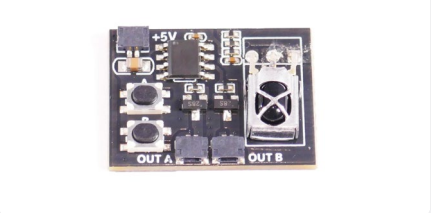
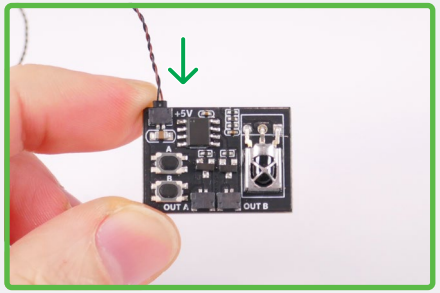
IR Switch Board

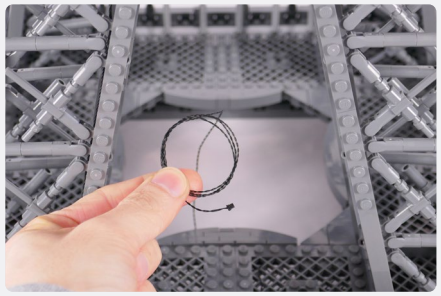


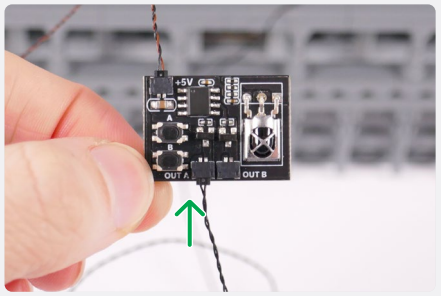
USB Power Cable

NOTE

Connect the USB Power Cable into the "+5V" port of the IR Switch Board.

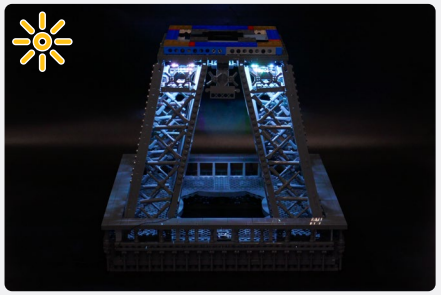






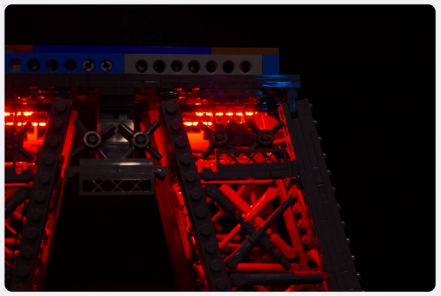
NOTE

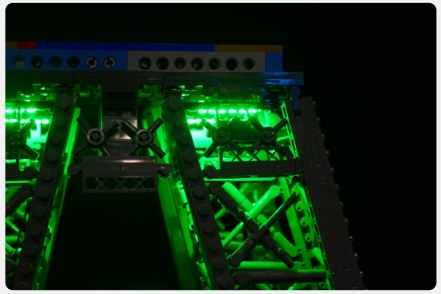
Connect to a 5V USB Wall Adaptor (sold separately). A power bank or battery pack is not recommended to power this set.

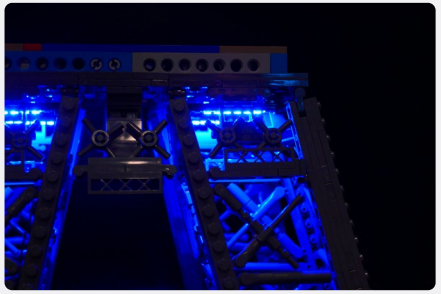


NOTE

Press the R, G, and B buttons on the Remote, aimed at the RGB IR board, to change the Strip Lights to Red, Green, and Blue to test if they are working.







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

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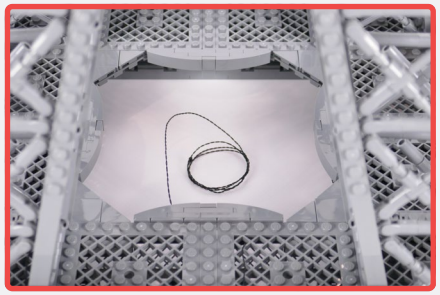
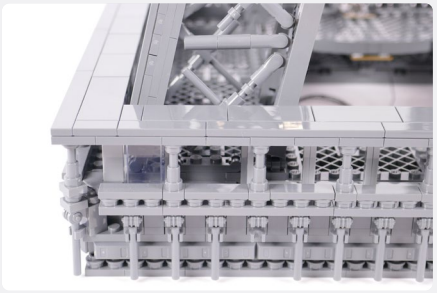
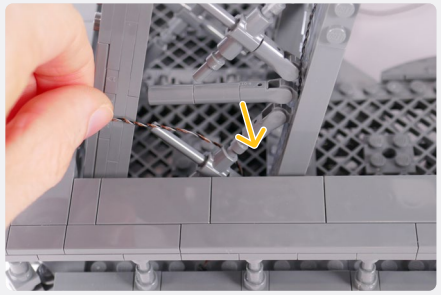
NOTE

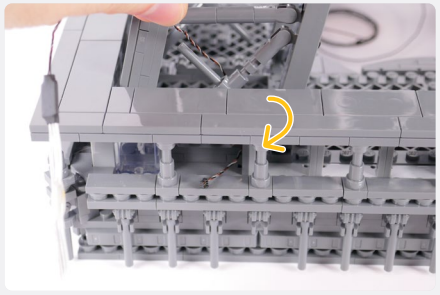
Disconnect the USB and IR Switch Board from the light kit and leave the 50cm Connecting Cable in its original position.

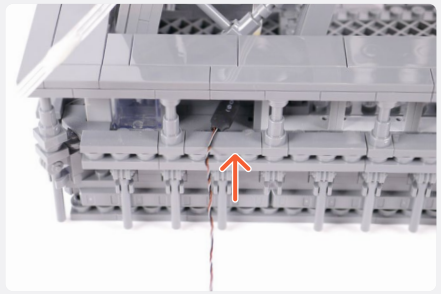


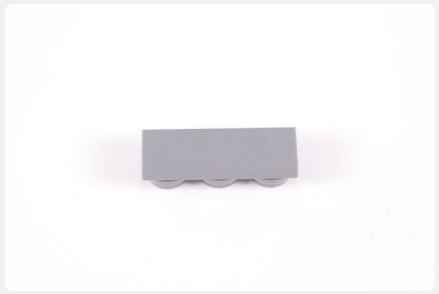


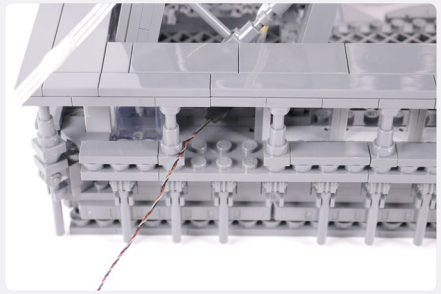
Light String 15 LED 3Pin - Warm White

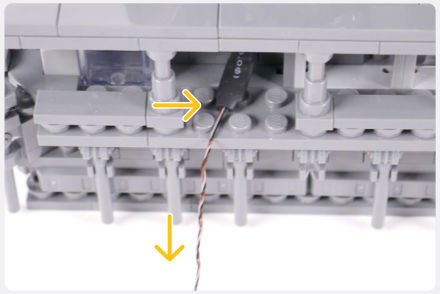


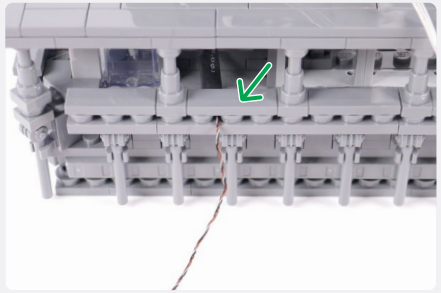


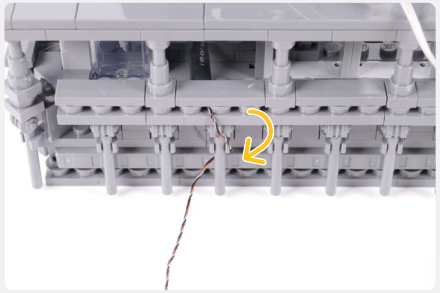












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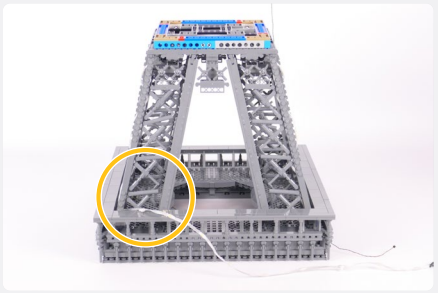
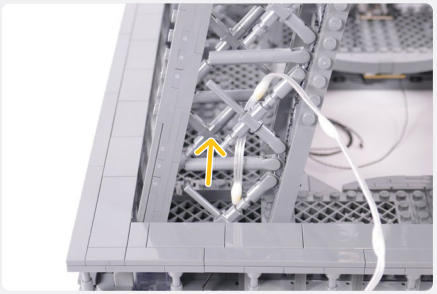
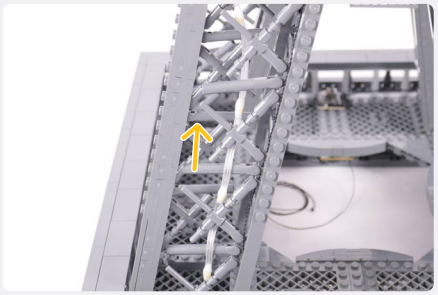
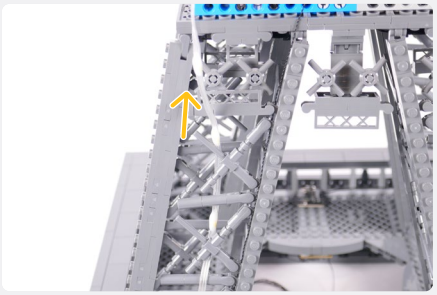
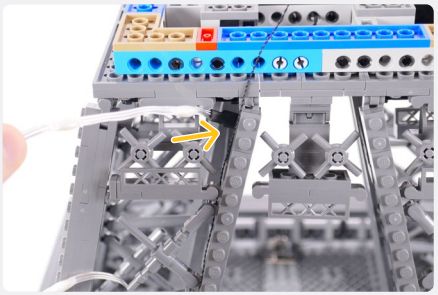
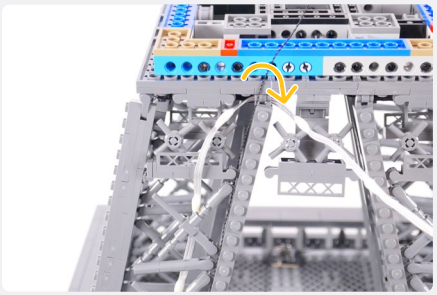
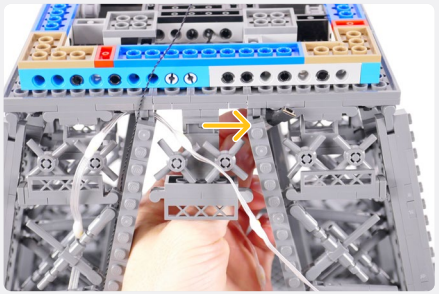
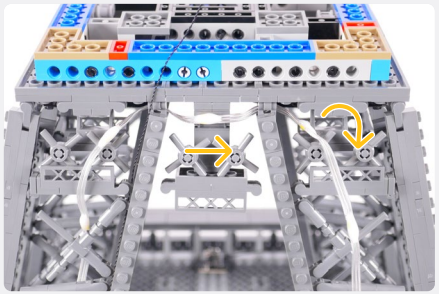

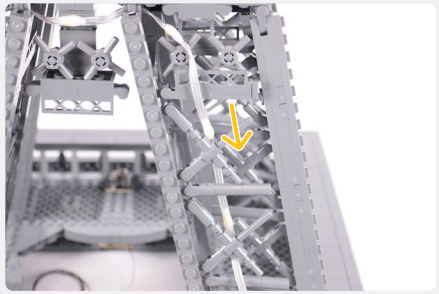
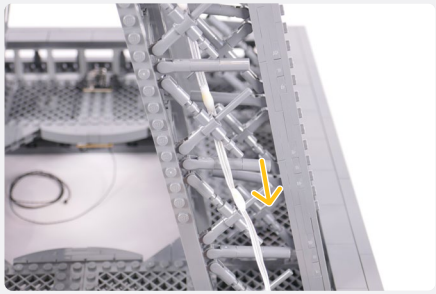

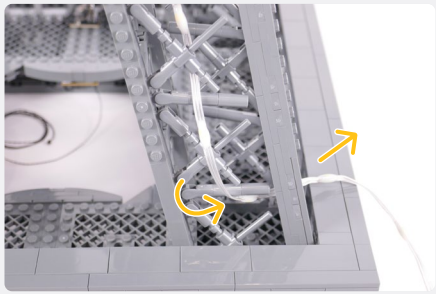
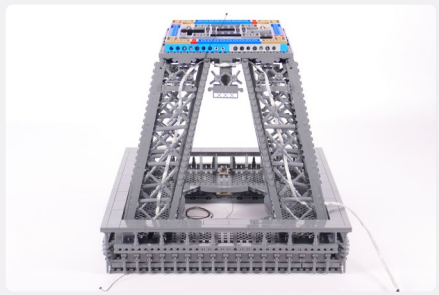
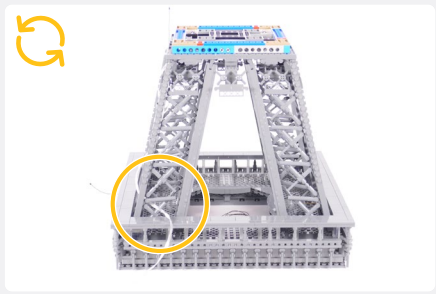
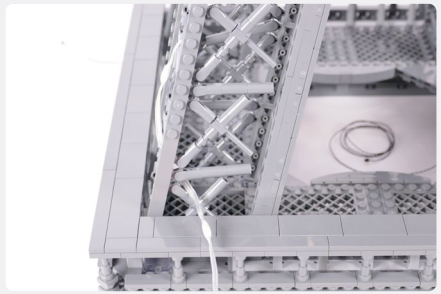
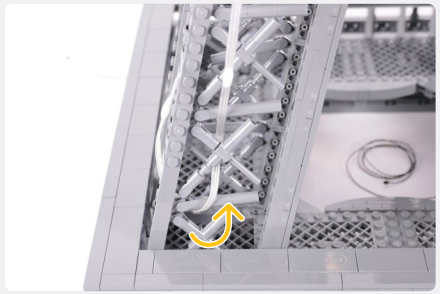

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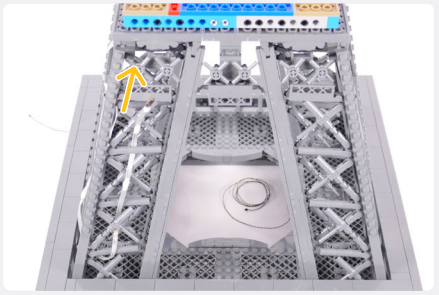
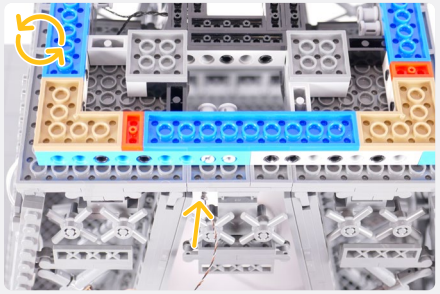
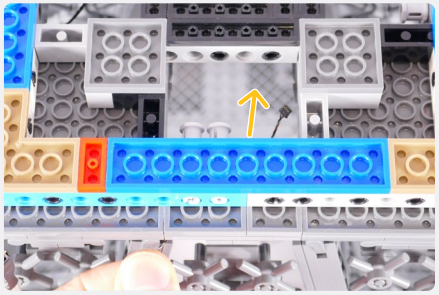
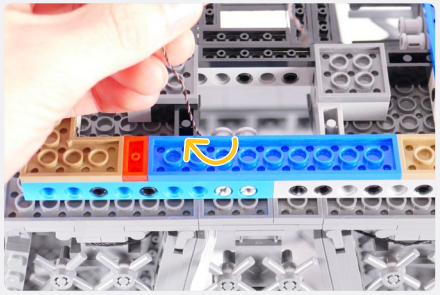
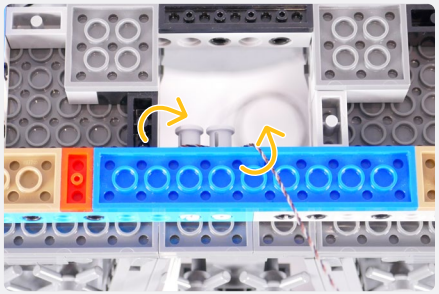


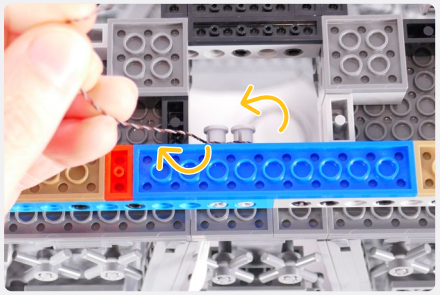
Light String 15 LED 3Pin - Warm White

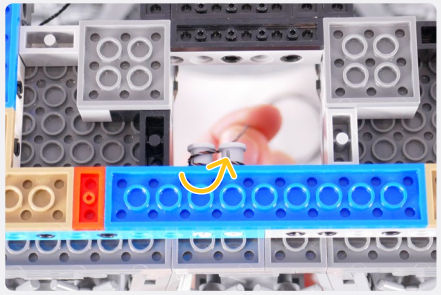


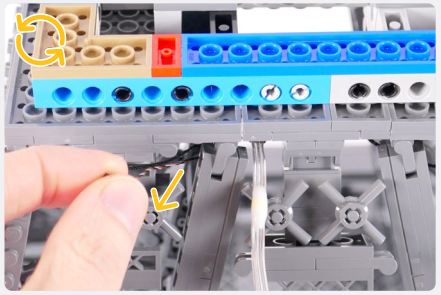


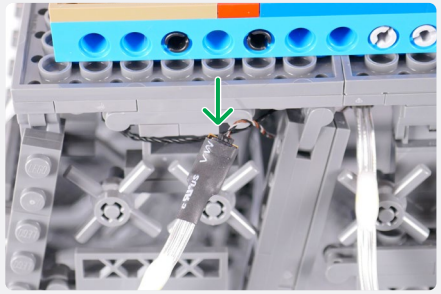


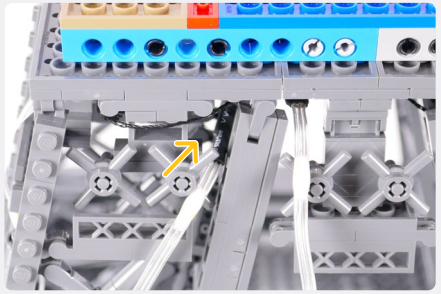


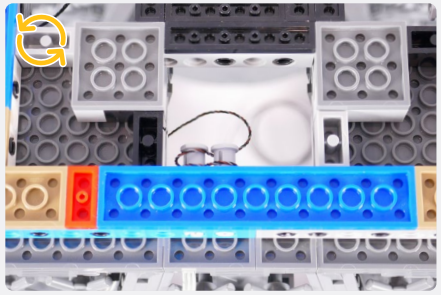


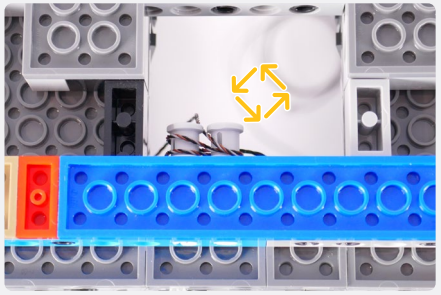


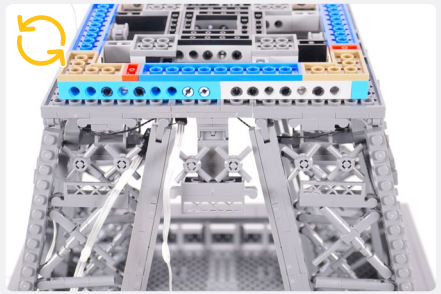












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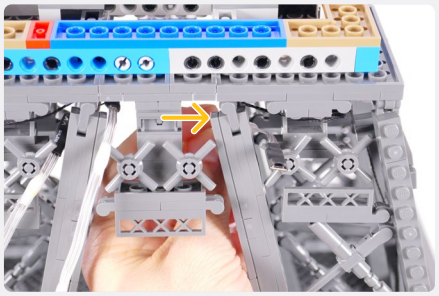
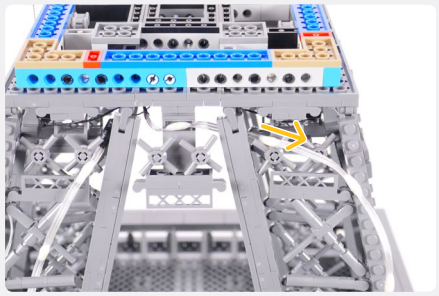
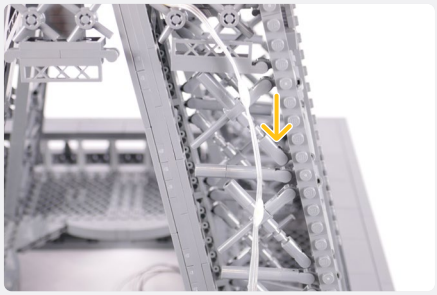
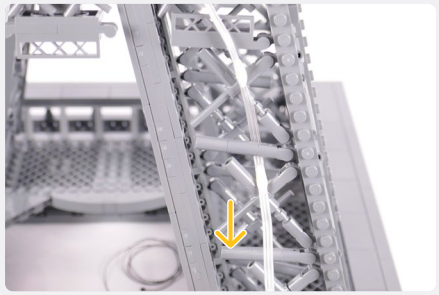
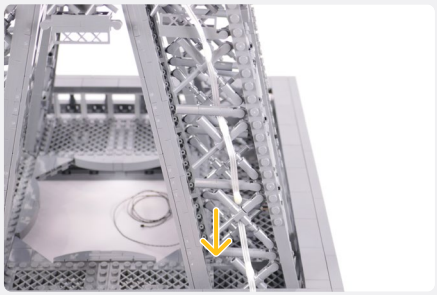
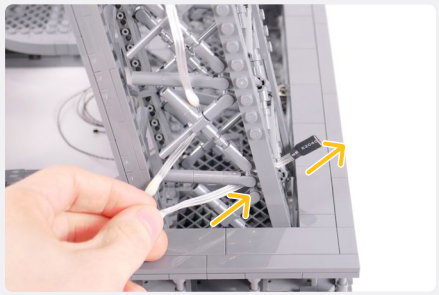
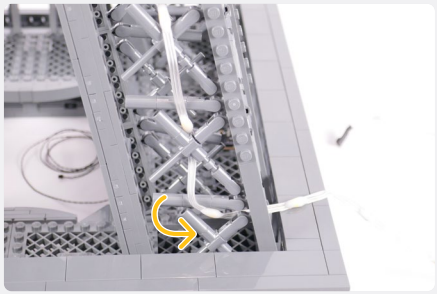
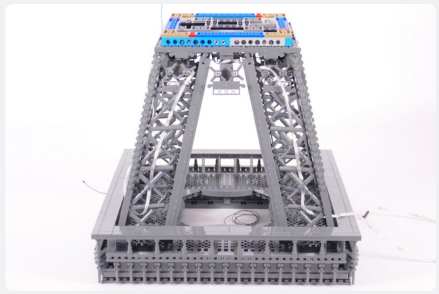

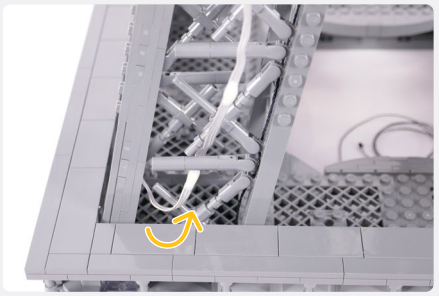

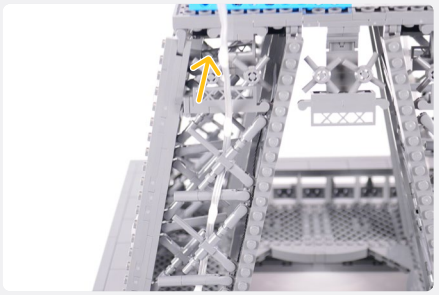
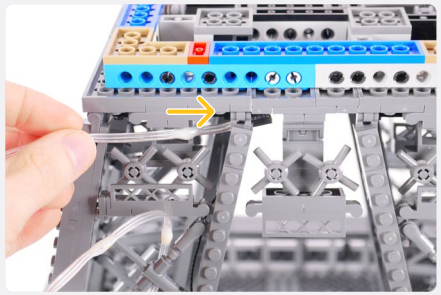
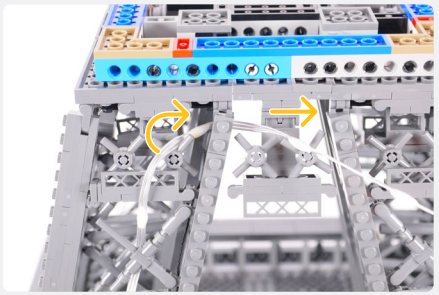
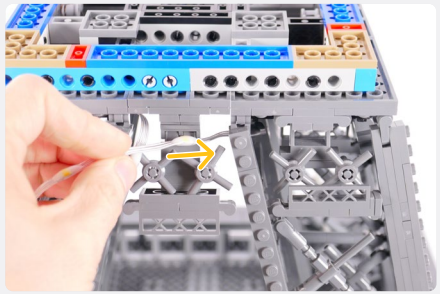
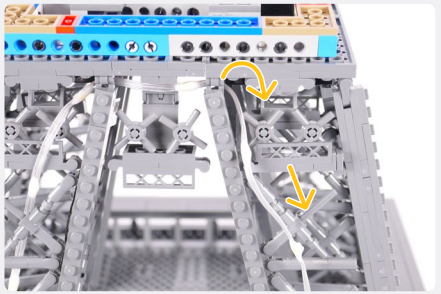

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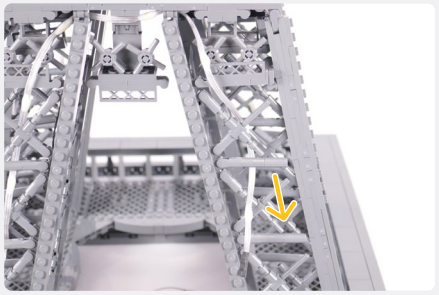
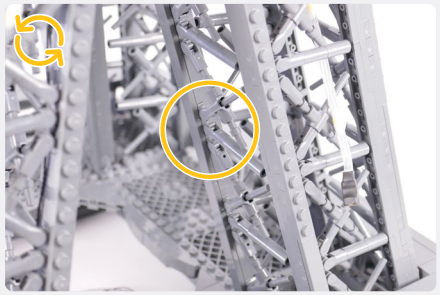
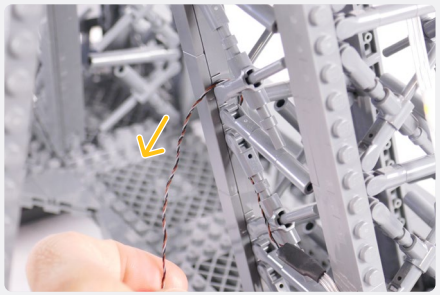
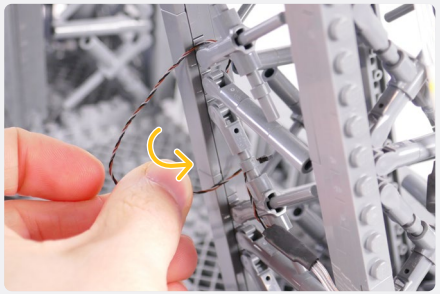
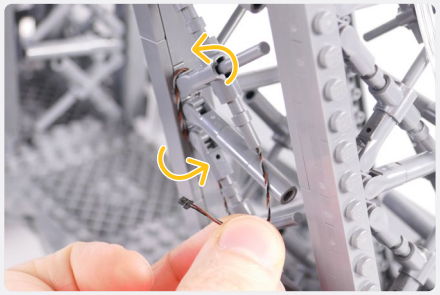


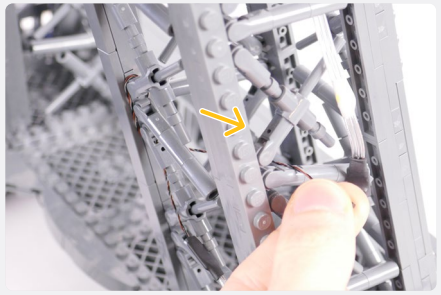


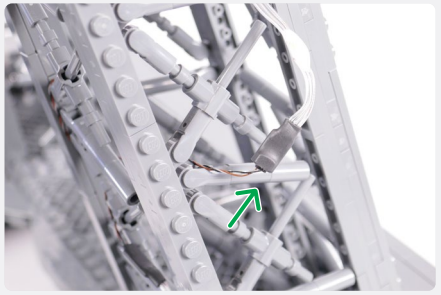
Light String 15 LED 3Pin - Warm White

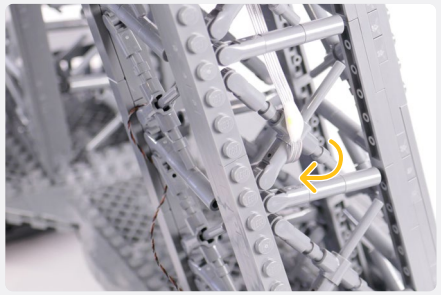


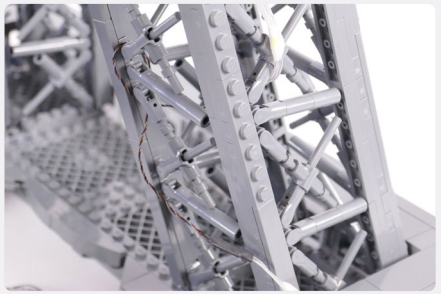


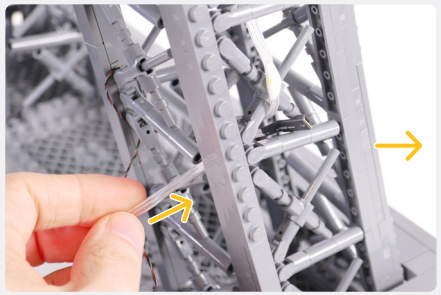


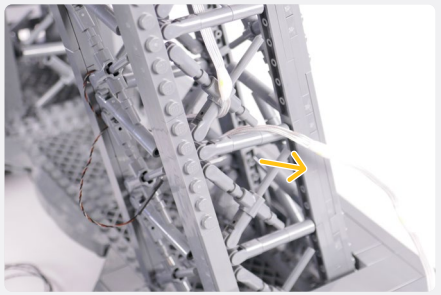


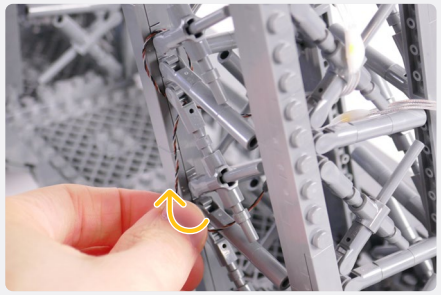


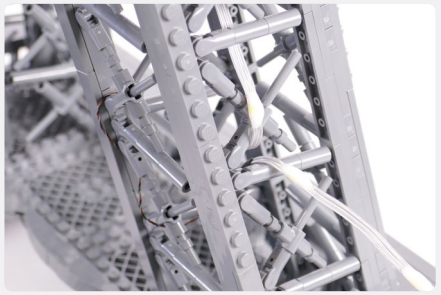












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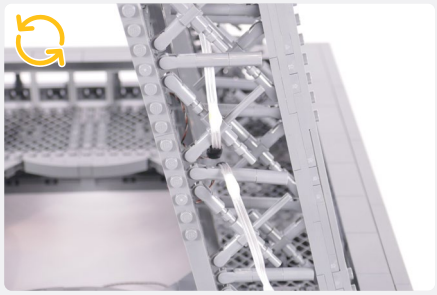
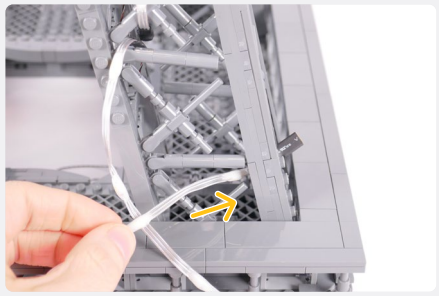
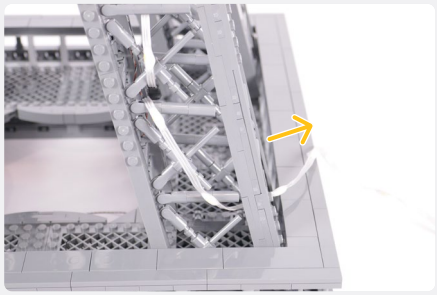
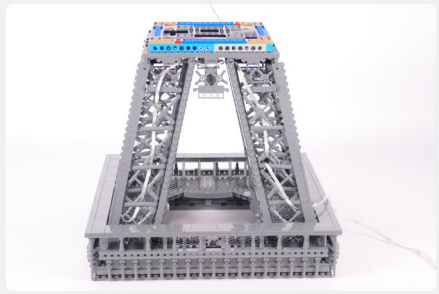
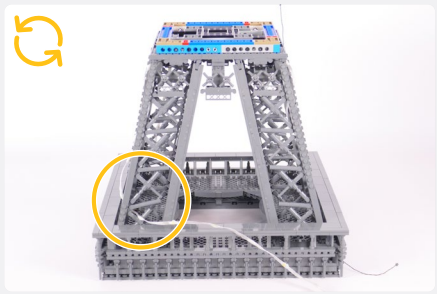
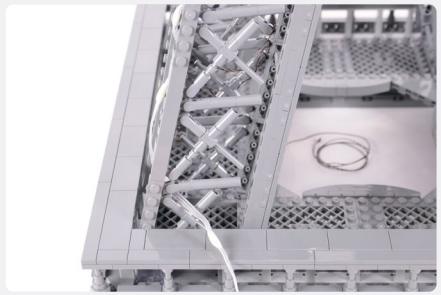
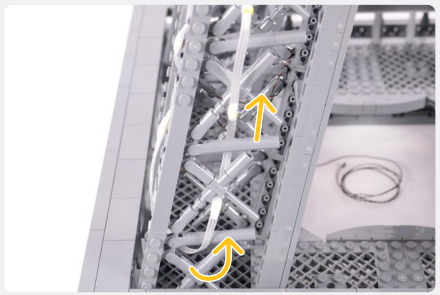
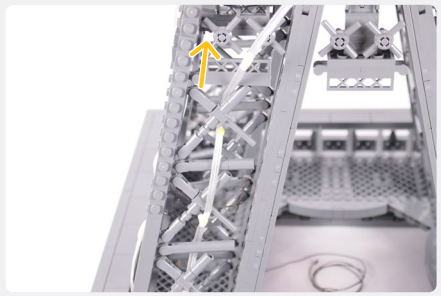
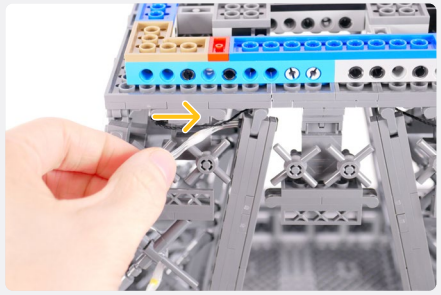
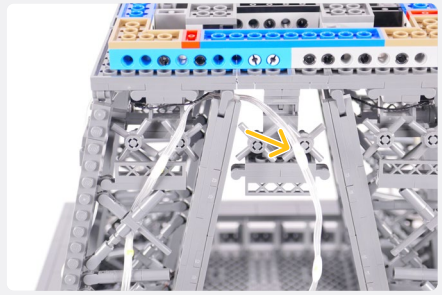
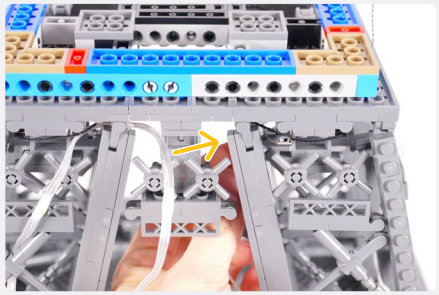
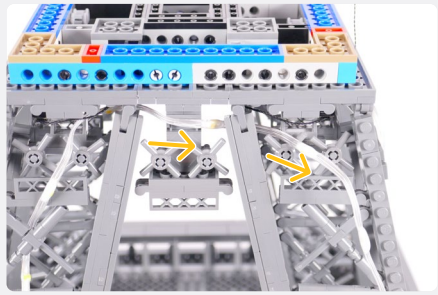
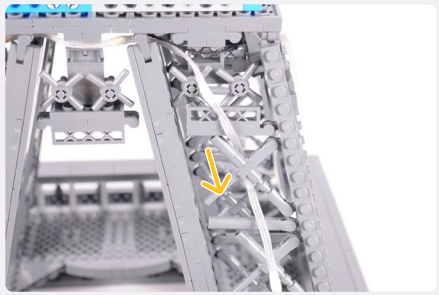
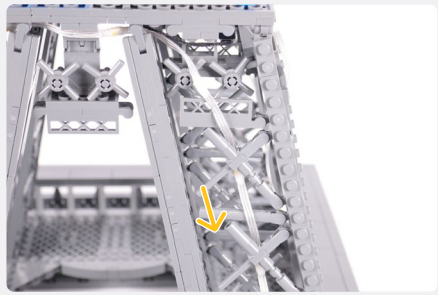
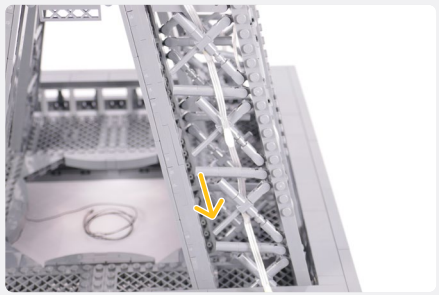
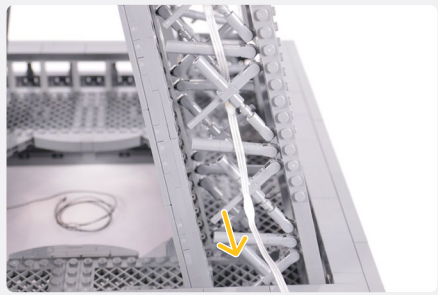
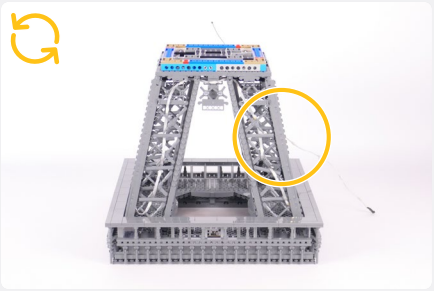
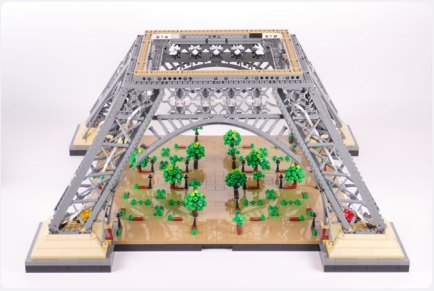









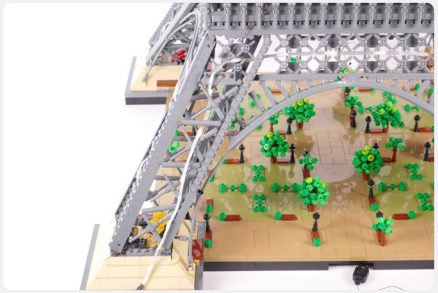









NOTE

Leave the end of the String Light loose to connect to the bottom section later.







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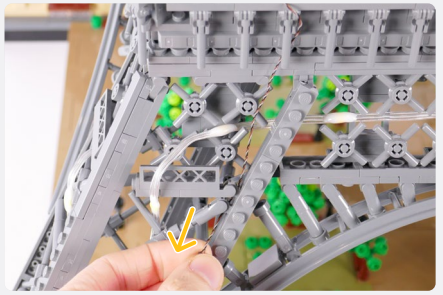
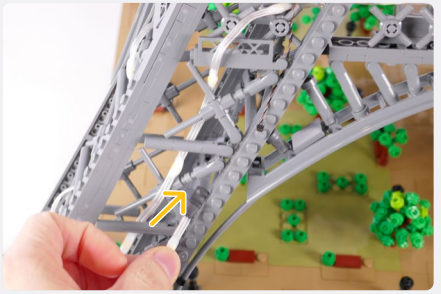
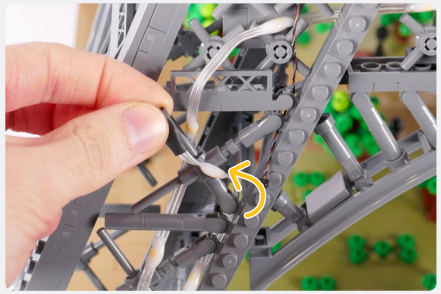
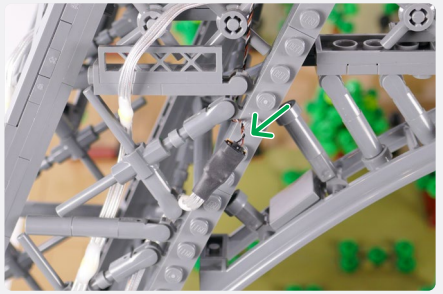
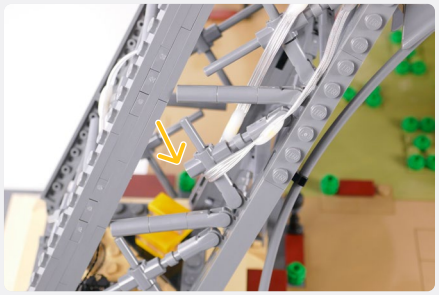
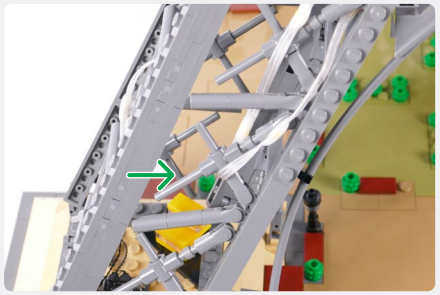


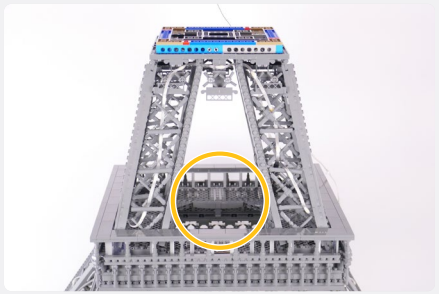


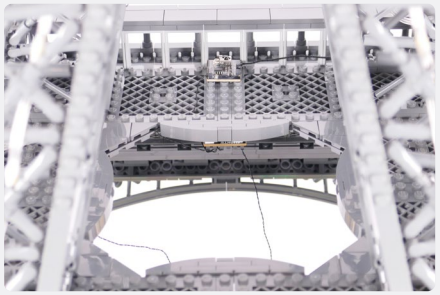






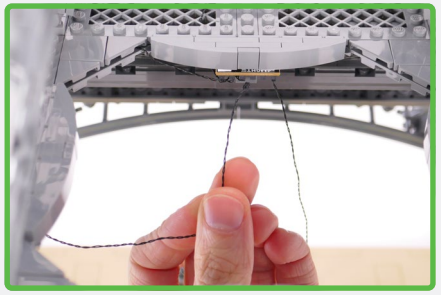


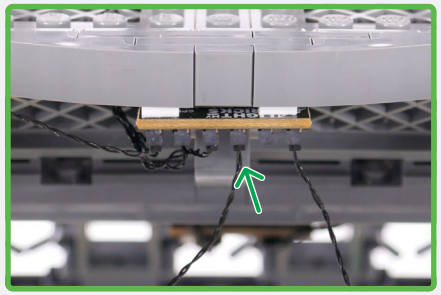


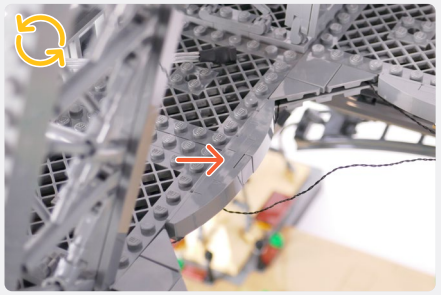


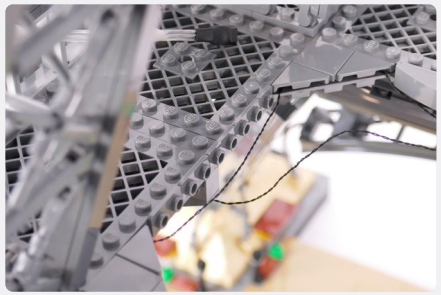
NOTE

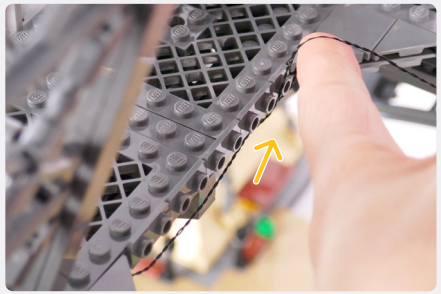
Take the 15cm Connecting Cable from the bottom level in Part 1, and connect it to the 6-Port Expansion Board.

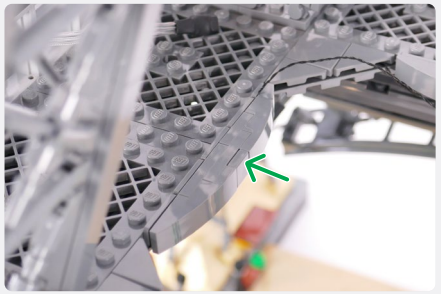


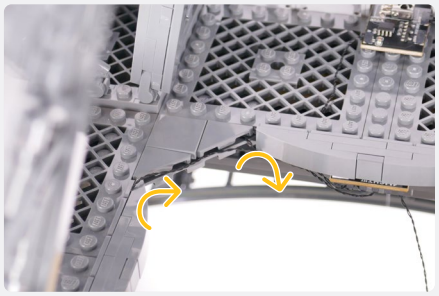












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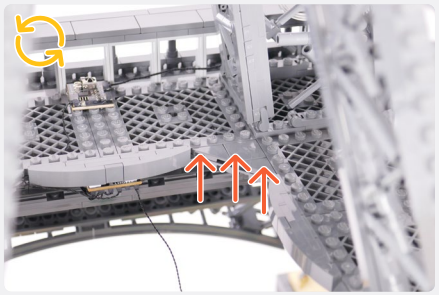
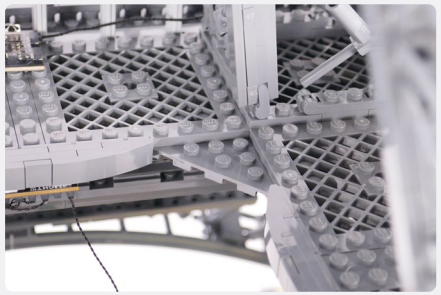
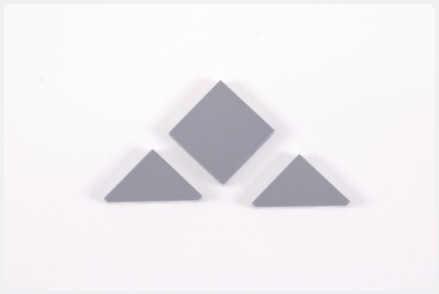
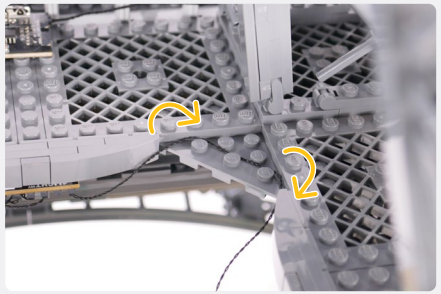
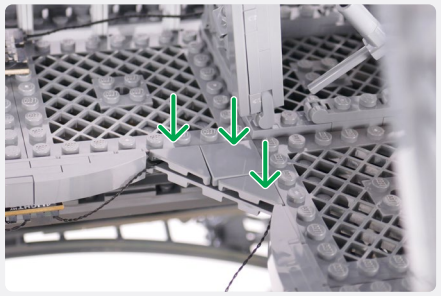
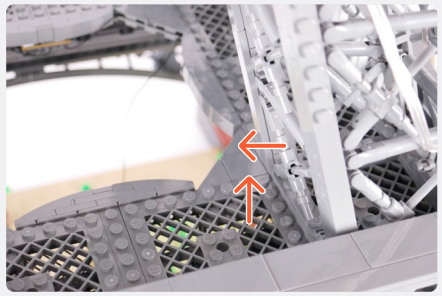
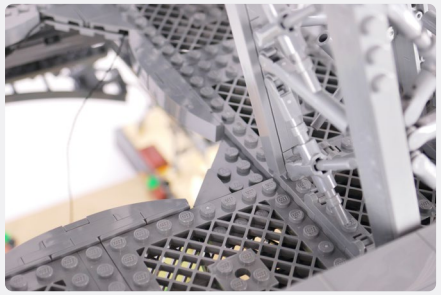
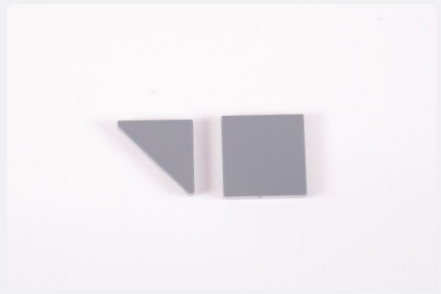
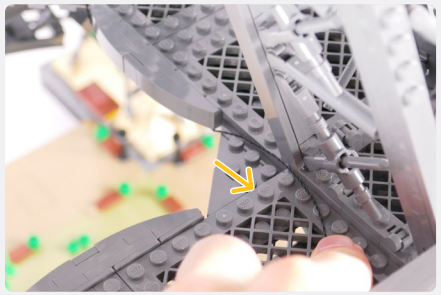
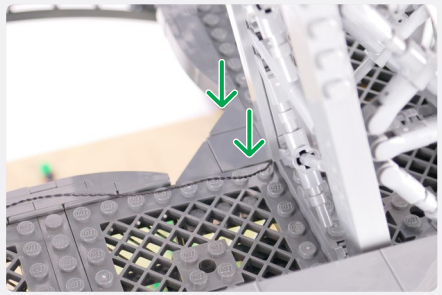
NOTE

Take the 50cm Connecting Cable that is loose from Step 3.

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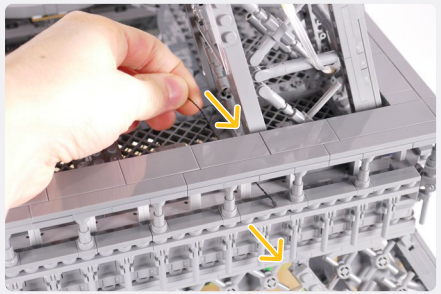
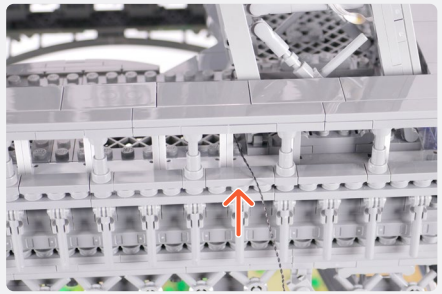

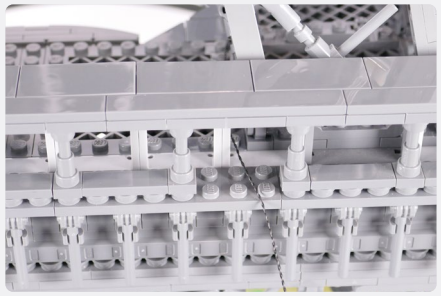
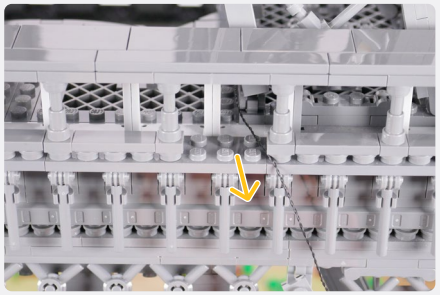
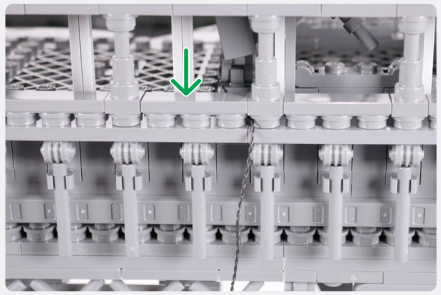
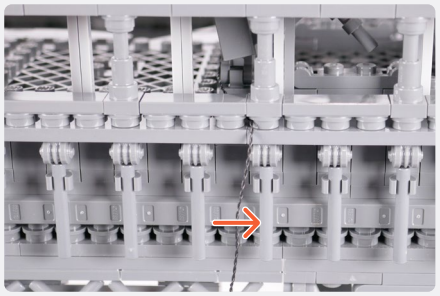
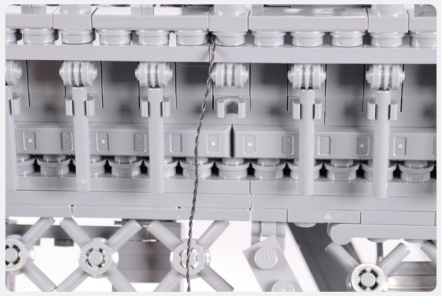

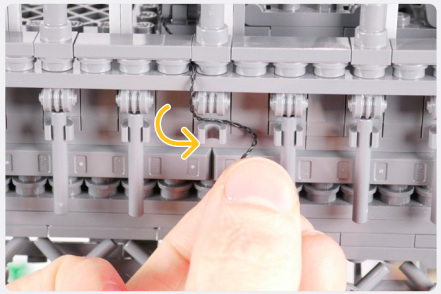

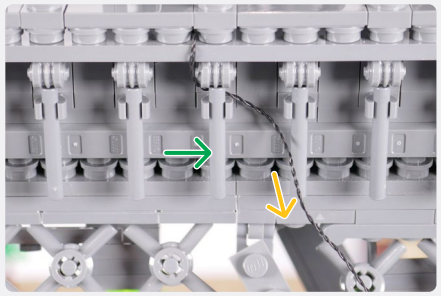
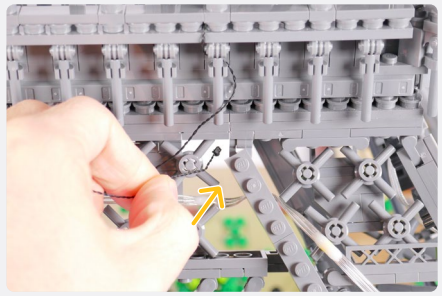
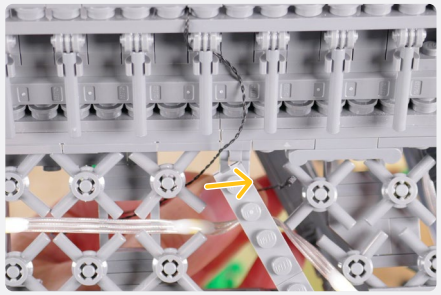
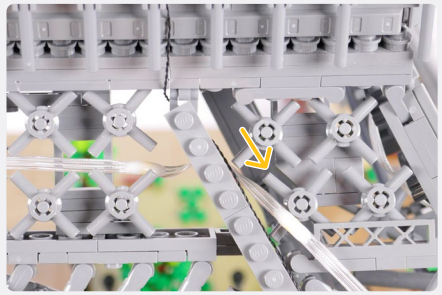

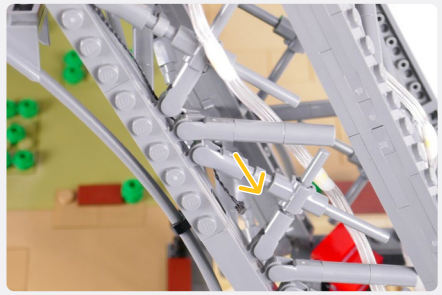

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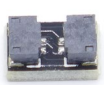
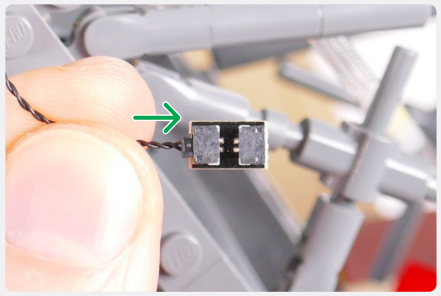
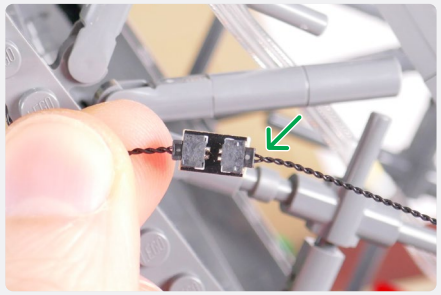
2-Port Expansion Board

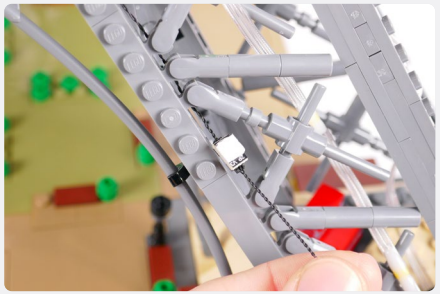


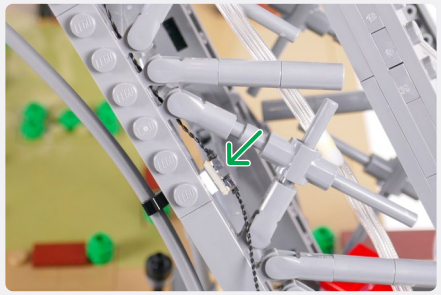


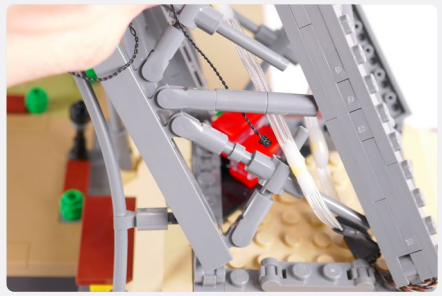
15cm Connecting Cable

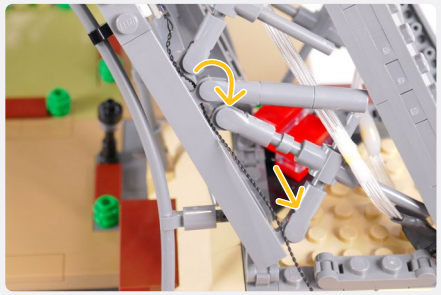


Adhesive Square









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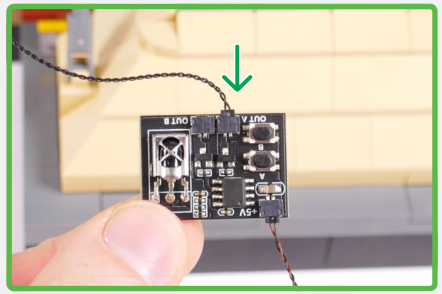
NOTE

Take the USB Power Cable plus IR Switch Board from Step 16.

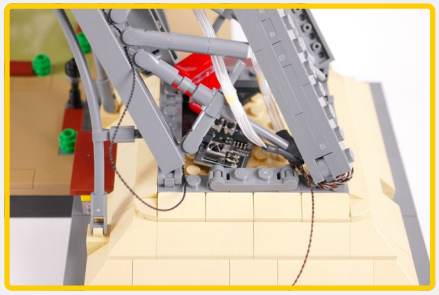
NOTE

Connect the loose 15cm Connecting Cable into the “OUT A” Port of the IR Control Board.



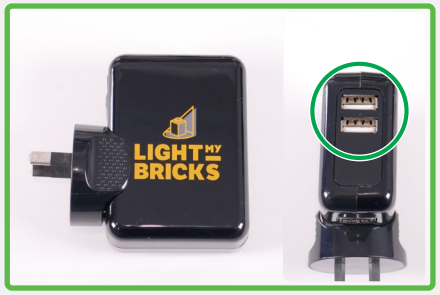
NOTE

Leave the IR Switch Board plus USB Power Cable sitting in this area until later on.



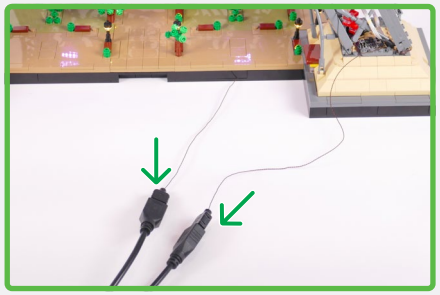
NOTE

To test and use the light kit, it is recommended to use an LMB Power Adapter to plug in the two USB Power Cables coming from the set.



NOTE

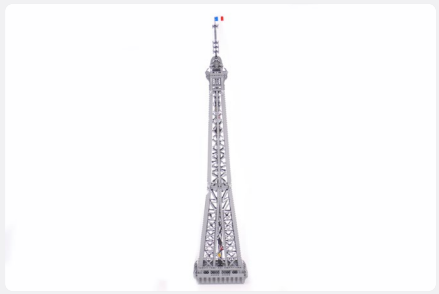
To extend the USB Power Cables, plug them into two USB Extension Cables and then to the Power Adapter.



NOTE

Connect to a 5V USB Wall Adaptor (sold separately). A power bank or battery pack is not recommended to power this set.

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



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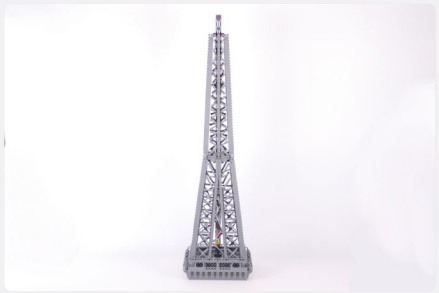

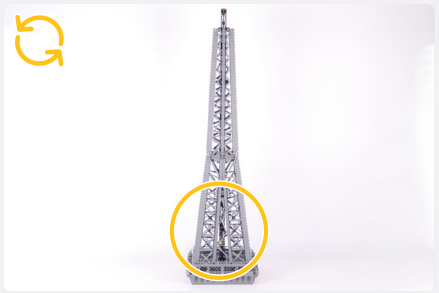

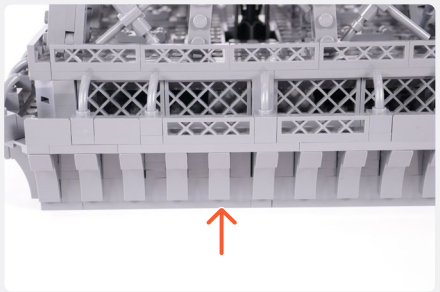

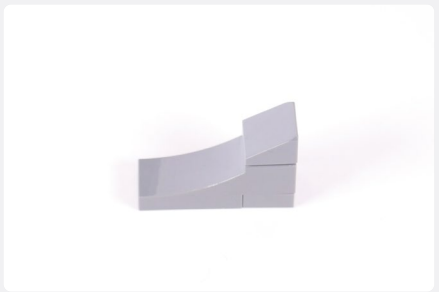

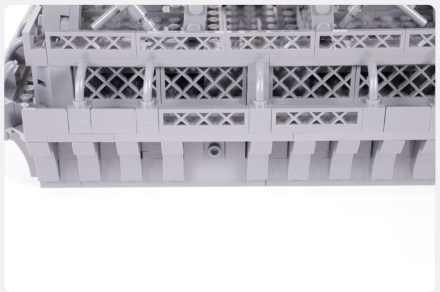

30cm Connecting Cable

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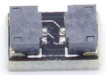
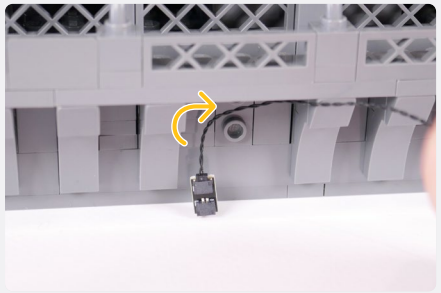
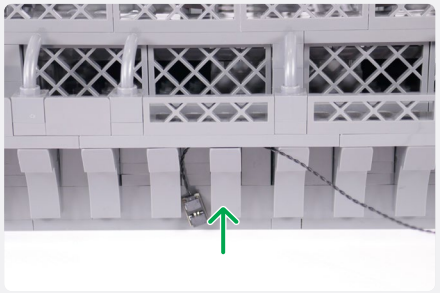
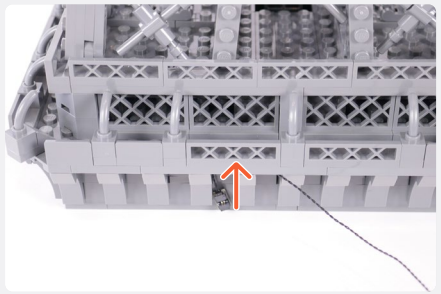
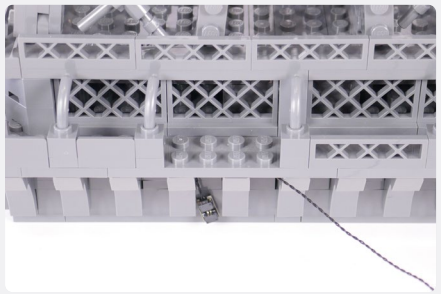
2-Port Expansion Board

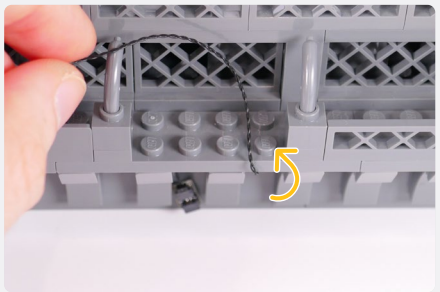


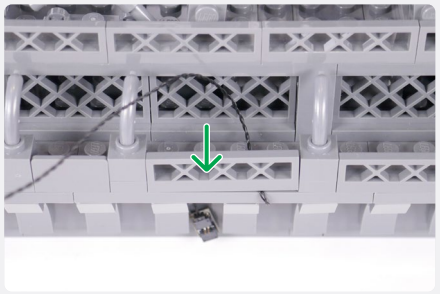
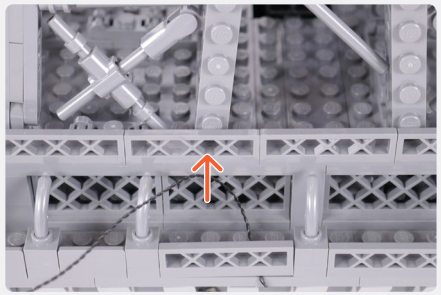


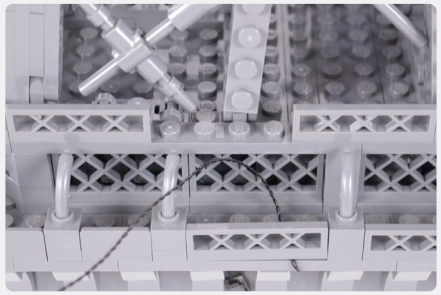
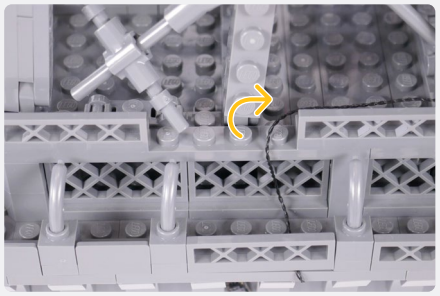
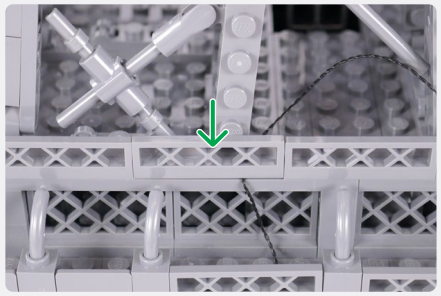


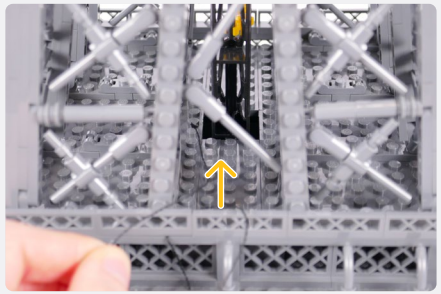








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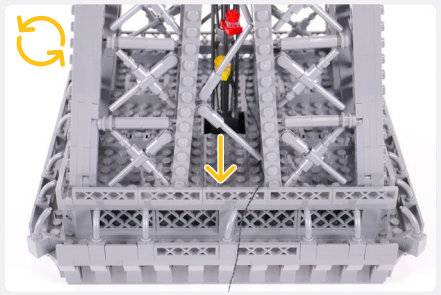

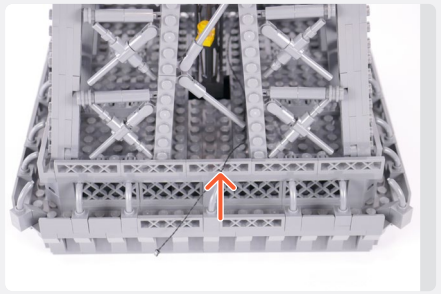

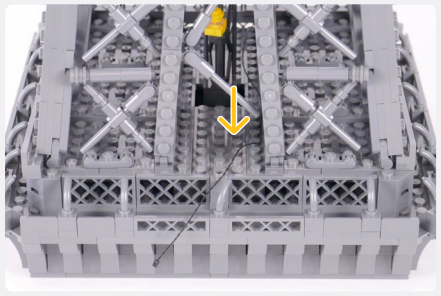

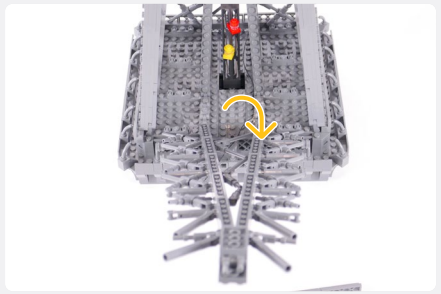
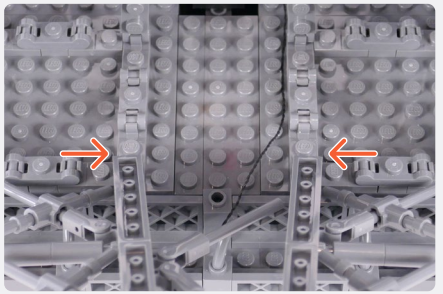

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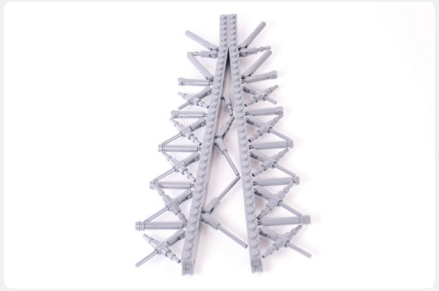
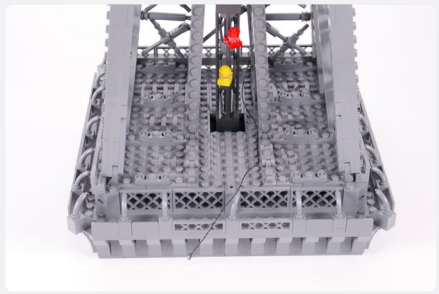
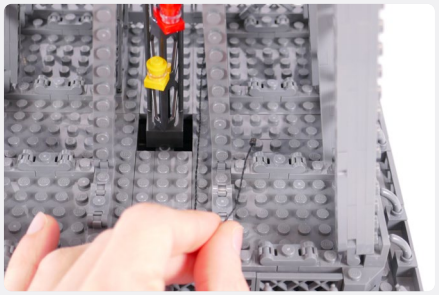
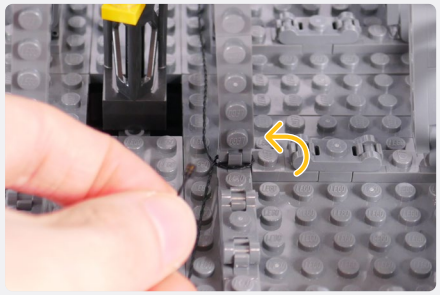
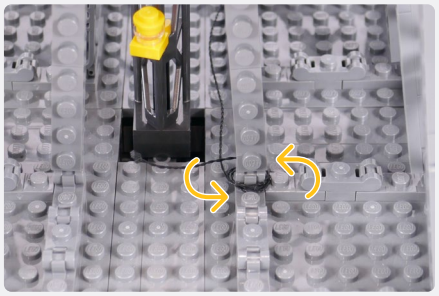


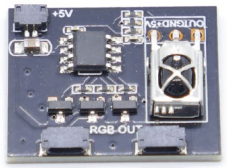


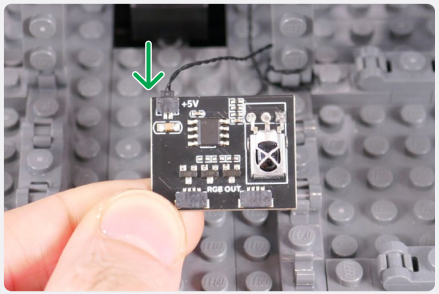




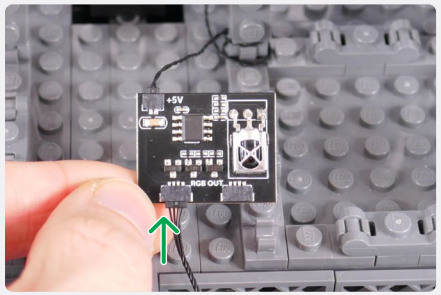


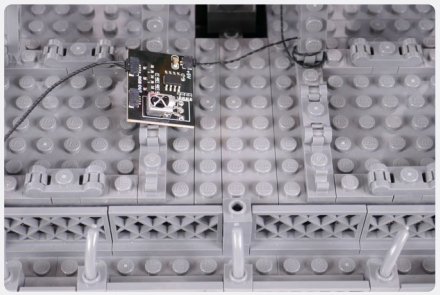
RGB IR Control Board



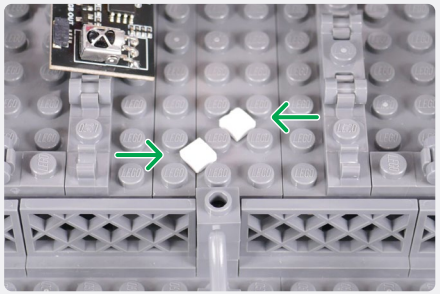


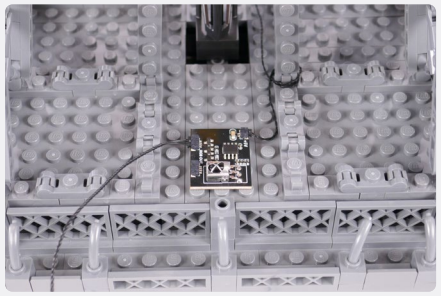
RGB 30cm Connecting Cable





2x Adhesive Square





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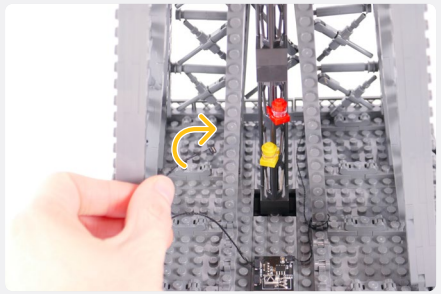


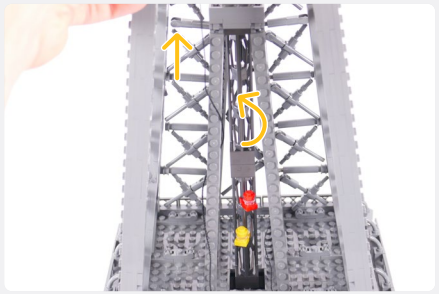
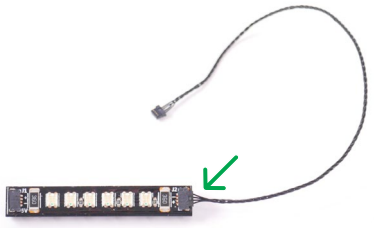
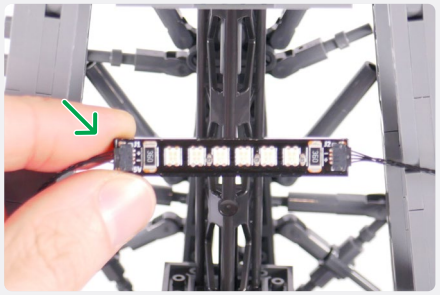


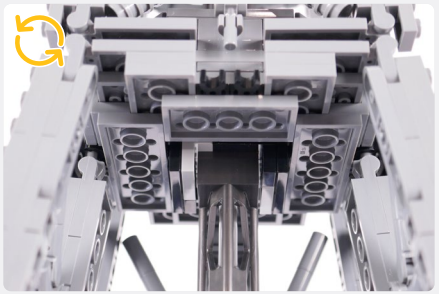
Plate 1x6 - Black

RGB Strip Light 2.0

RGB 15cm Connecting Cable







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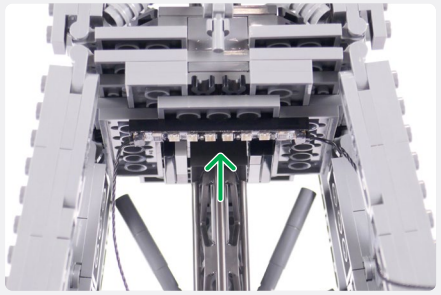

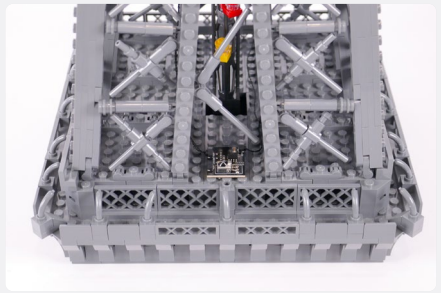

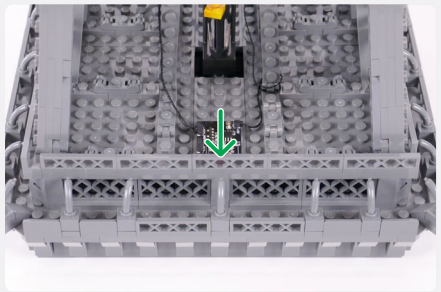

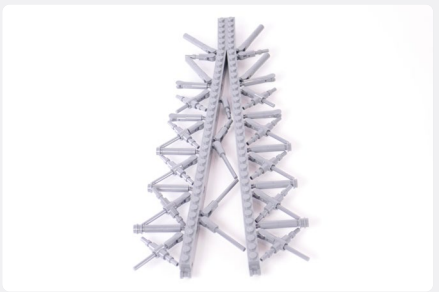

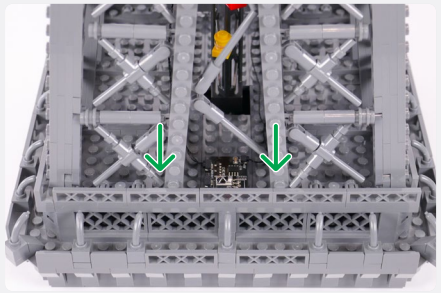

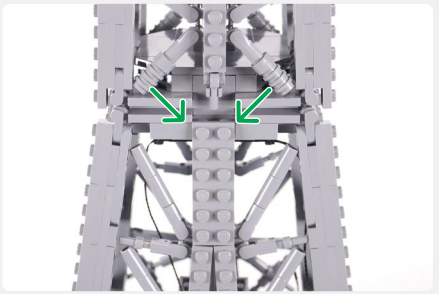

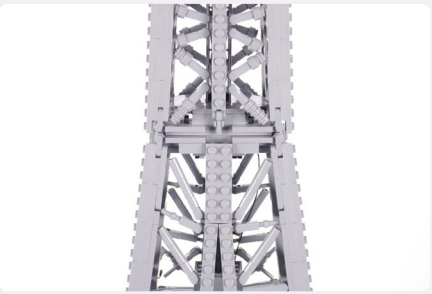

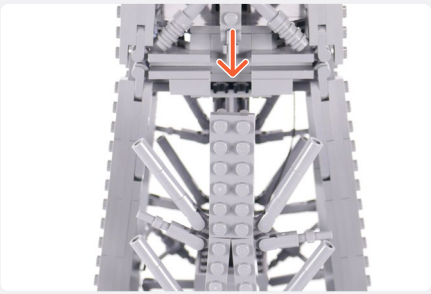

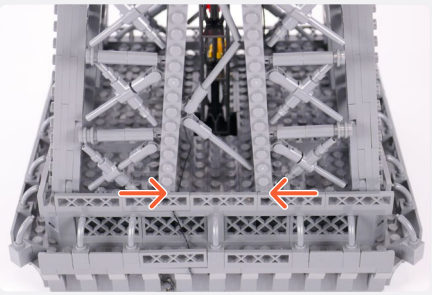

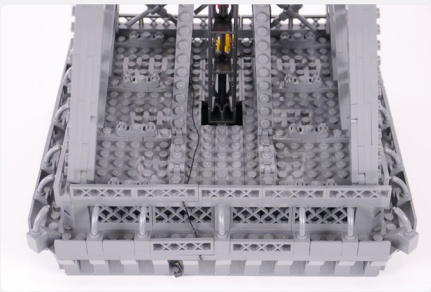

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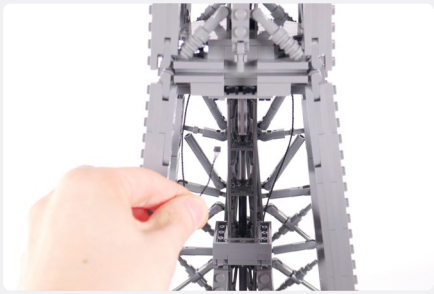
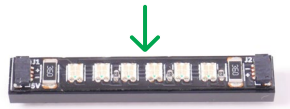
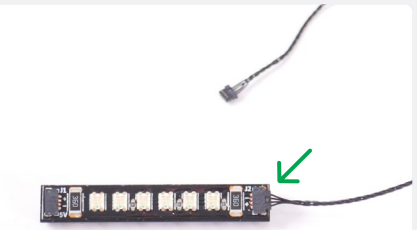


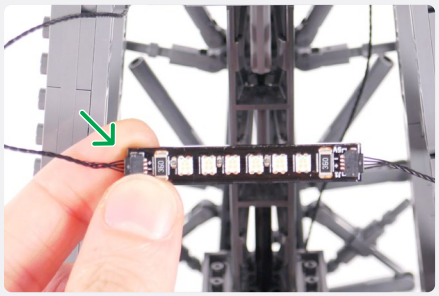
Plate 1x6 - Black

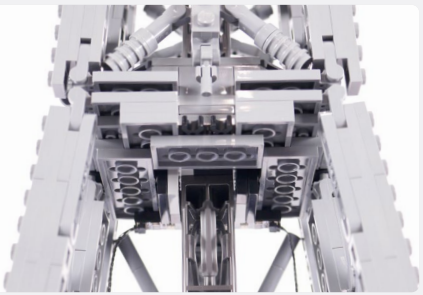
RGB Strip Light 2.0

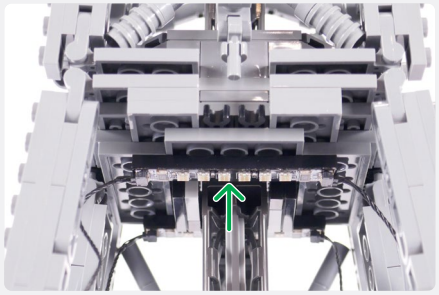
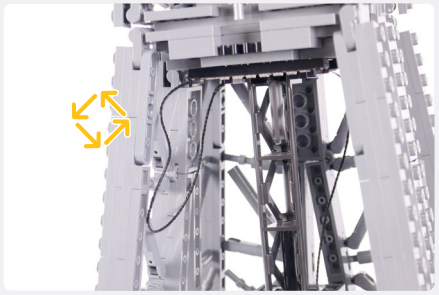
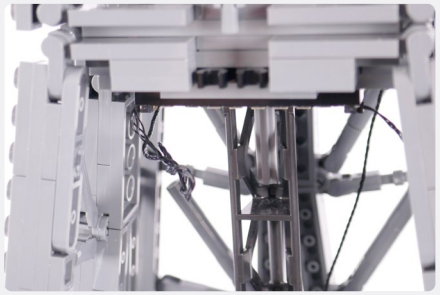
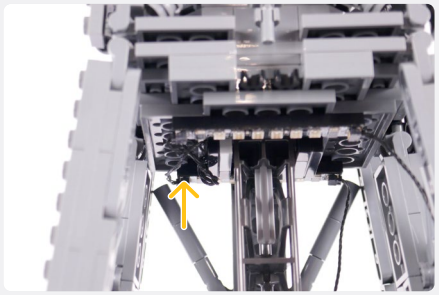
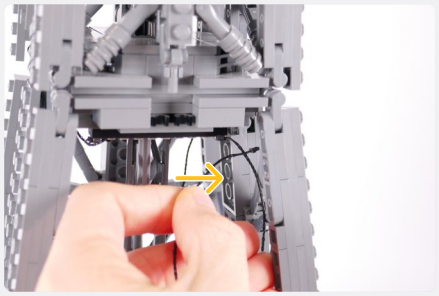
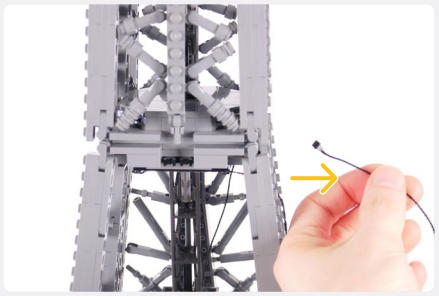
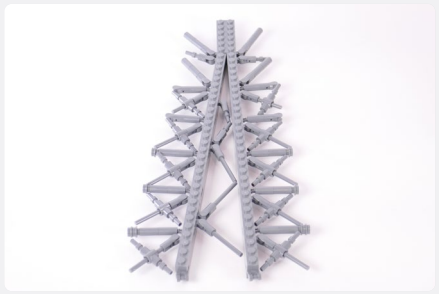
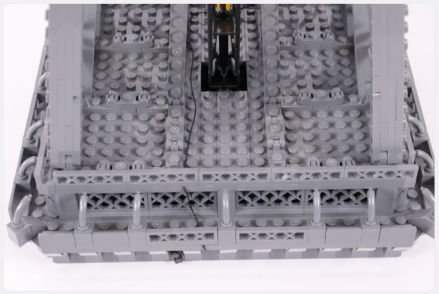


RGB 30cm Connecting Cable







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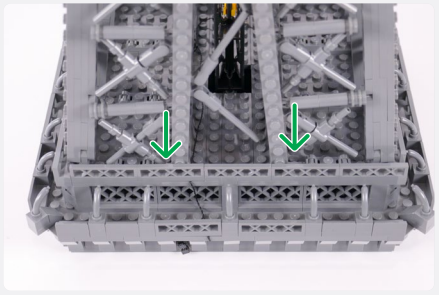
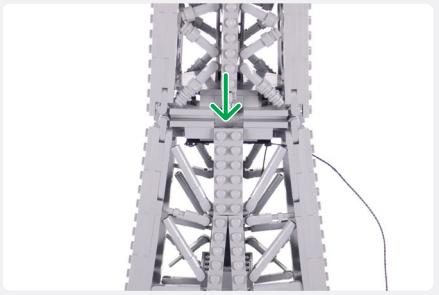

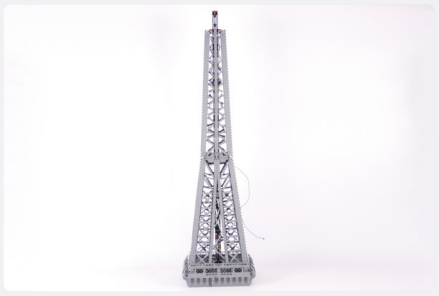

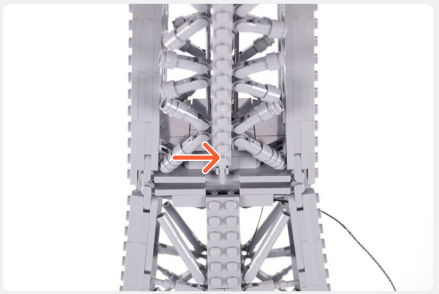

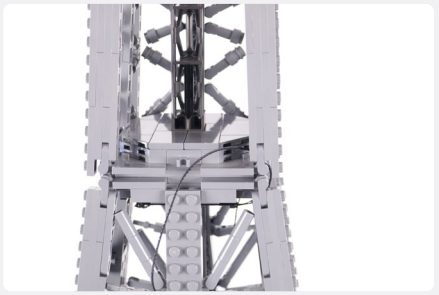
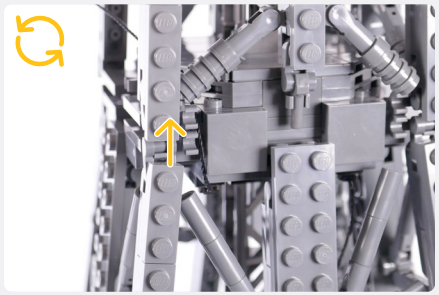
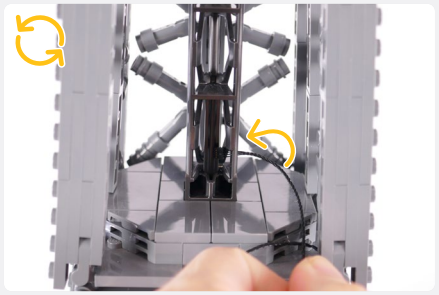
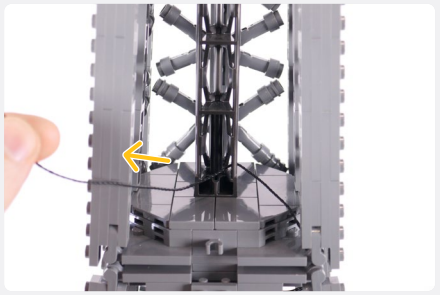

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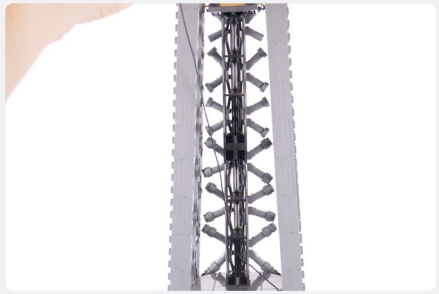
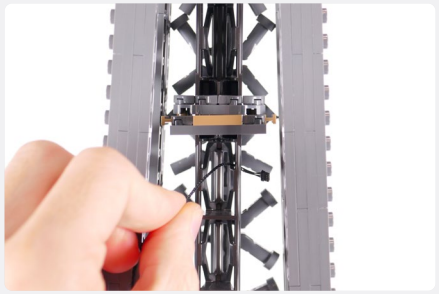
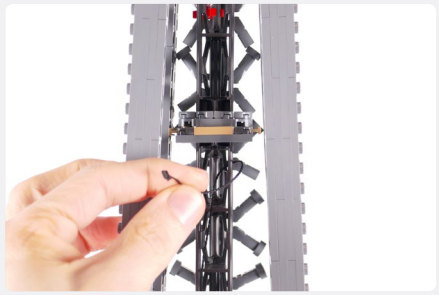
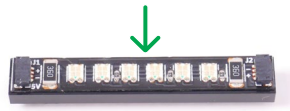
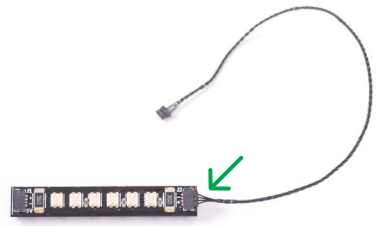




Plate 1x6 - Black

RGB Strip Light 2.0



RGB 15cm Connecting Cable



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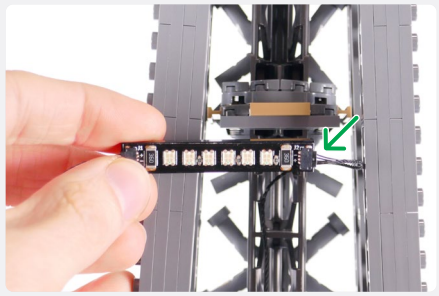
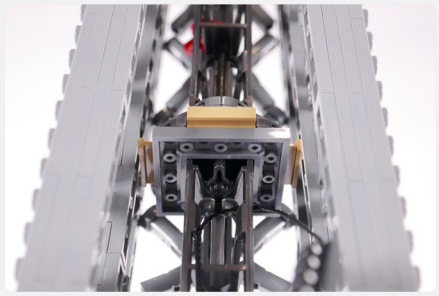
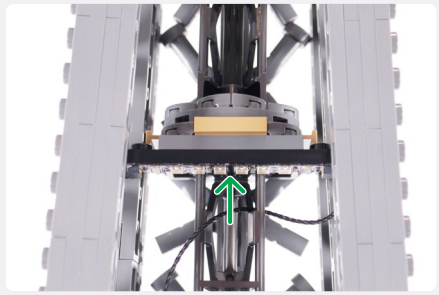
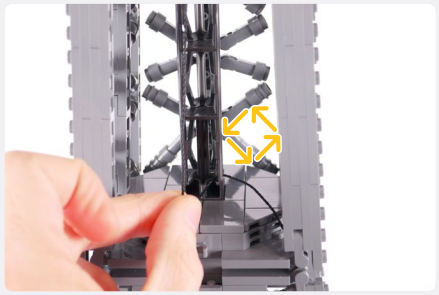
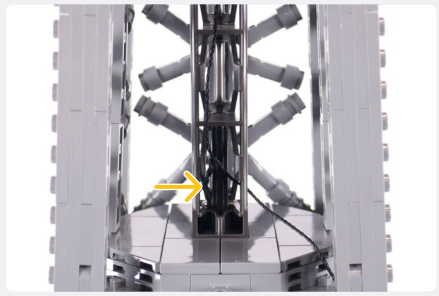

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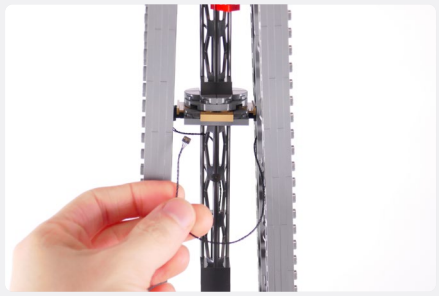
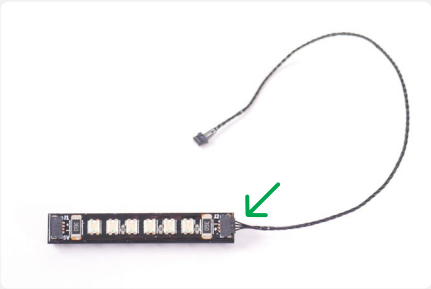
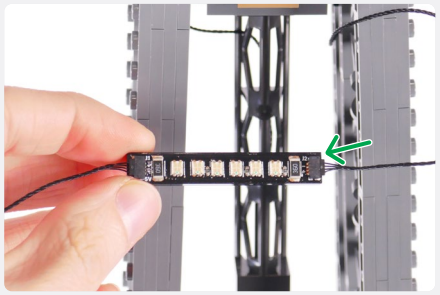


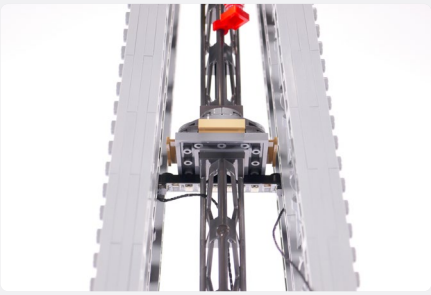
Plate 1x6 - Black

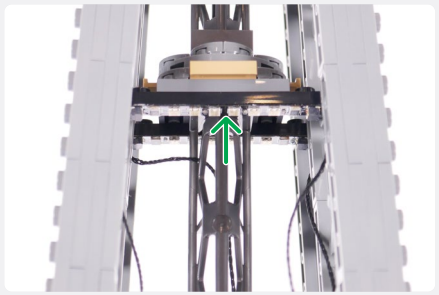
RGB Strip Light 2.0

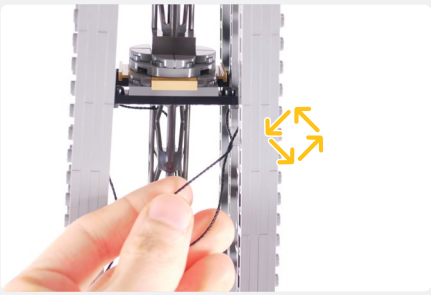
RGB 15cm Connecting Cable

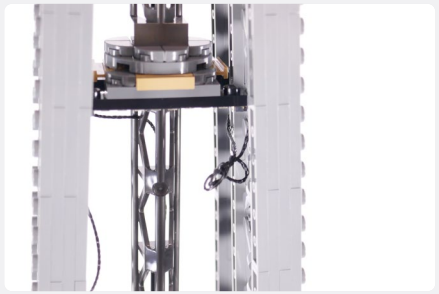


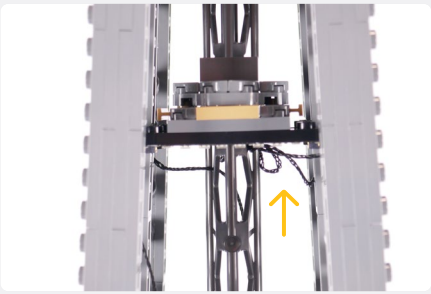












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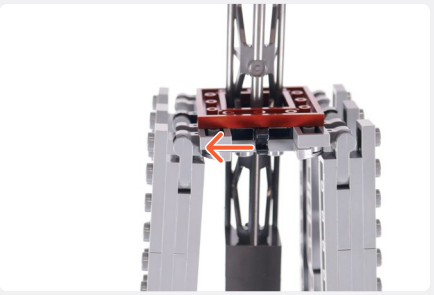
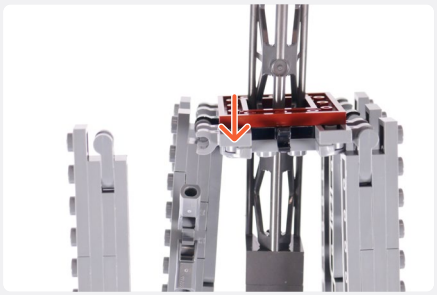
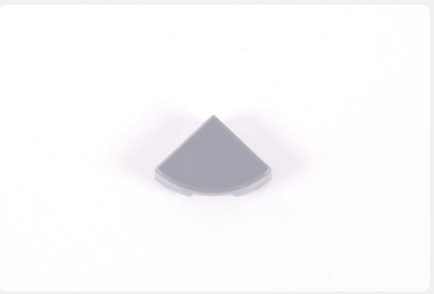
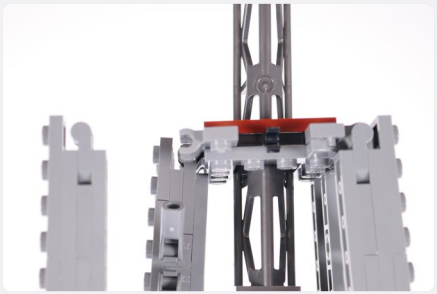
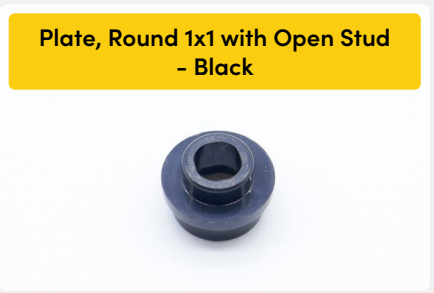


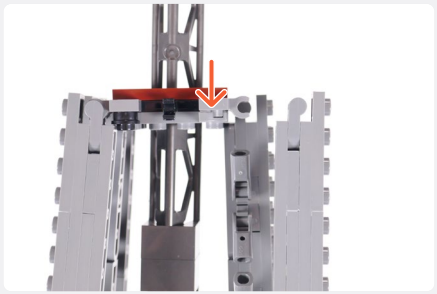
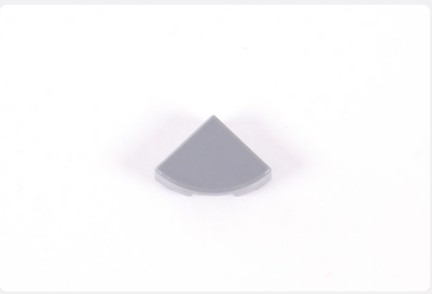




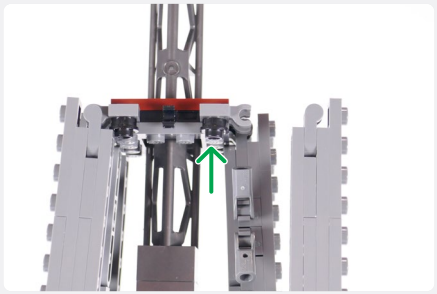


Plate, Round 1x1 with Open Stud - Black

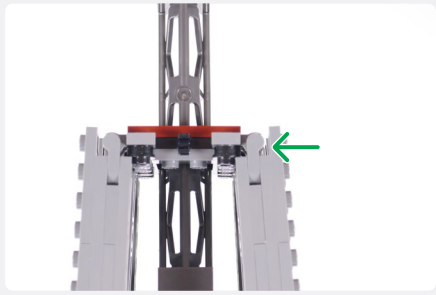
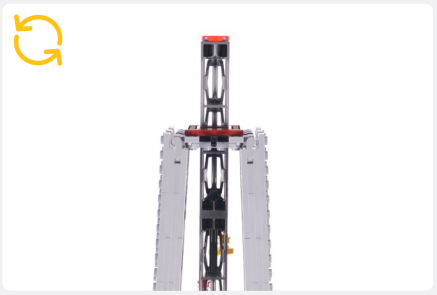


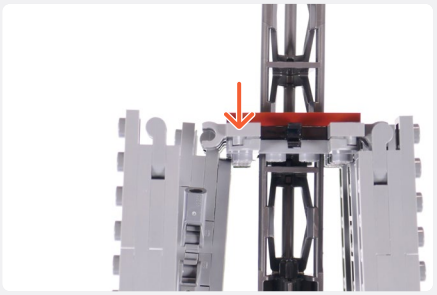
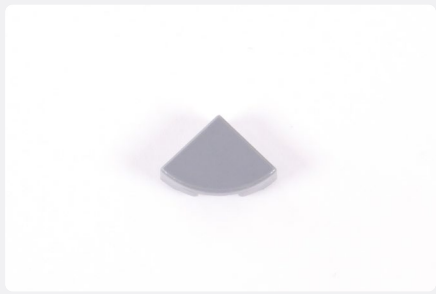
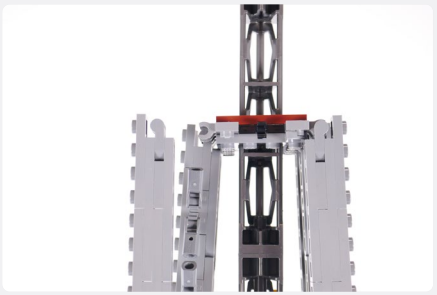



Plate, Round 1x1 with Open Stud - Black

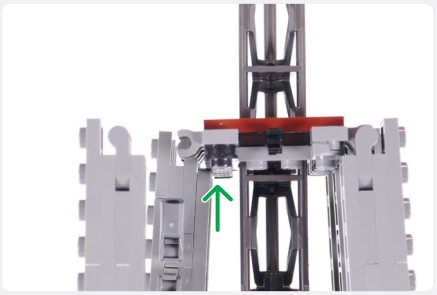


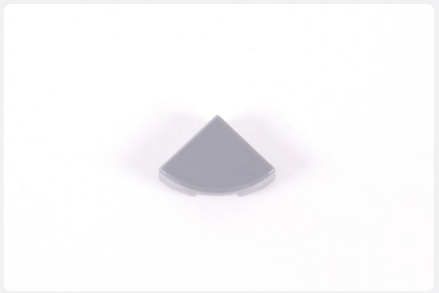
41

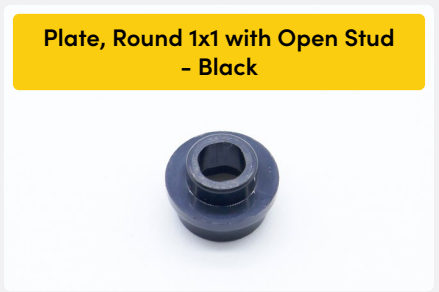




Plate, Round 1x1 with Open Stud - Black





Plate, Round 1x1 with Open Stud - Black



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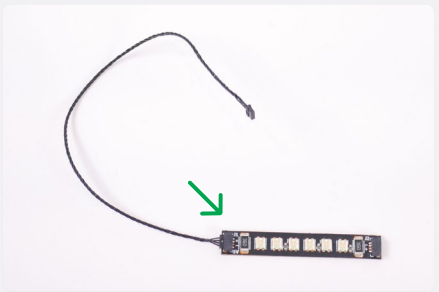
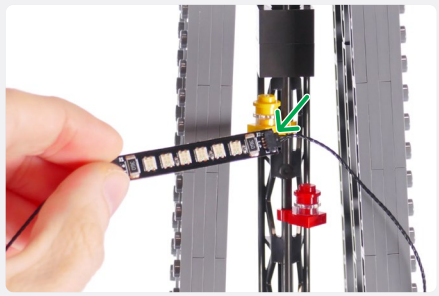
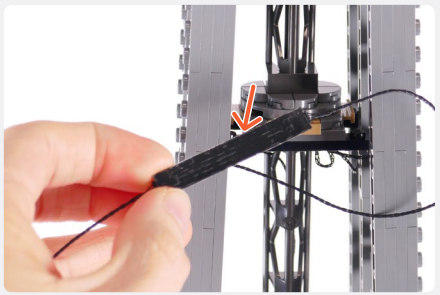
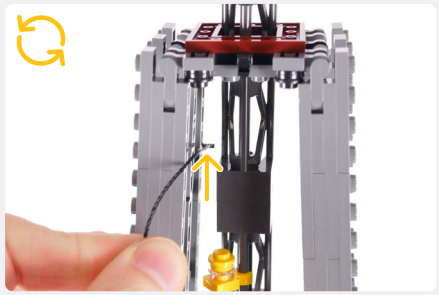
RGB Strip Light 2.0

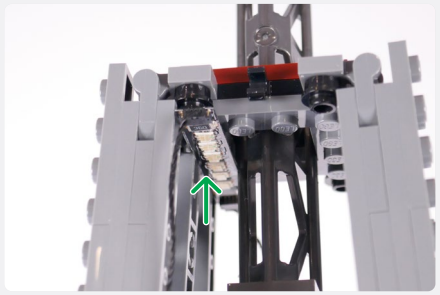
RGB 15cm Connecting Cable





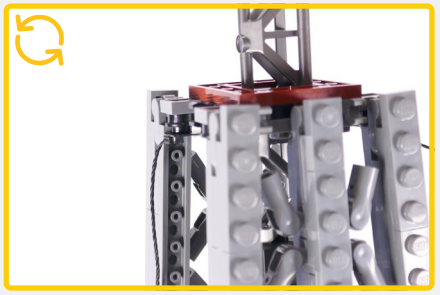


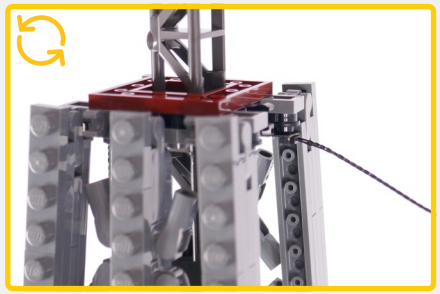




NOTE

Ensure the Strip Light is stuck in the position shown, with the ends lining up with the edge of the Round Plate.





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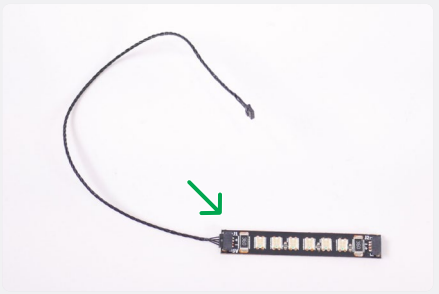
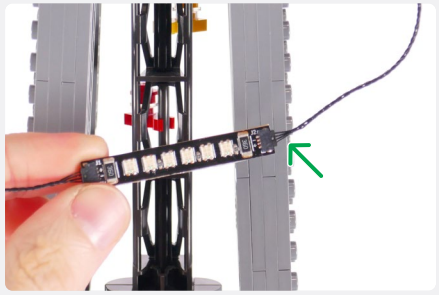
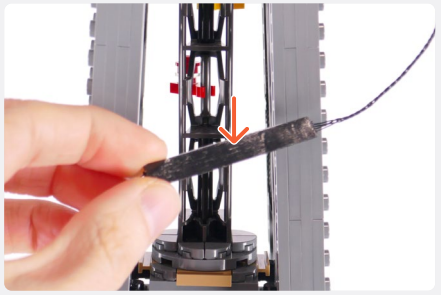
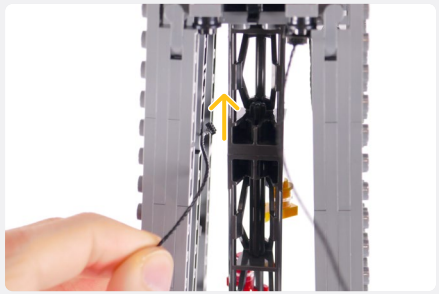
RGB Strip Light 2.0

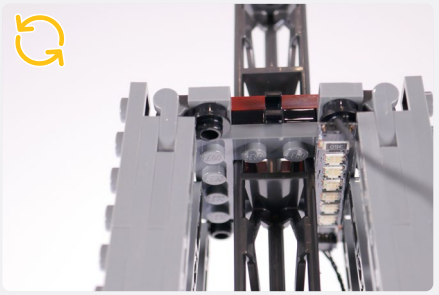
RGB 15cm Connecting Cable

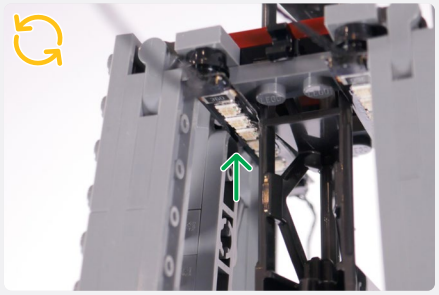
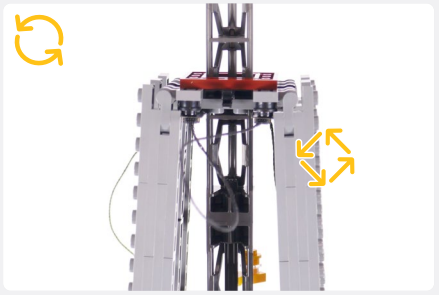




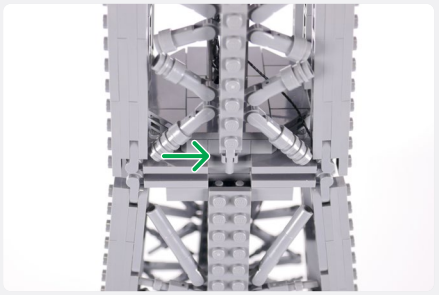






44



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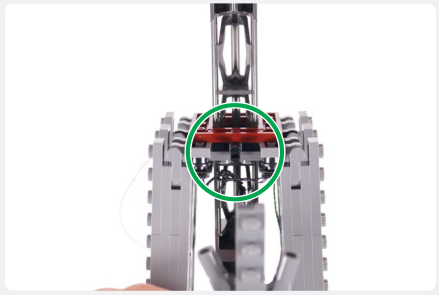
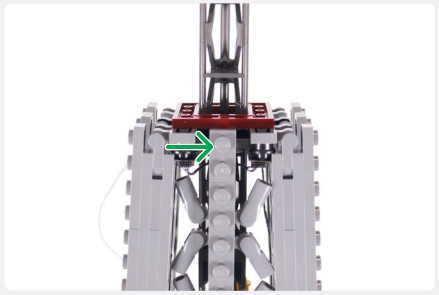
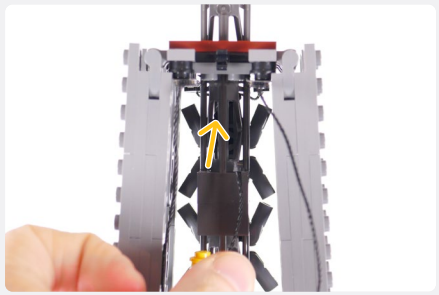
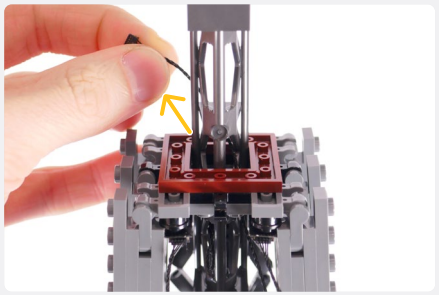
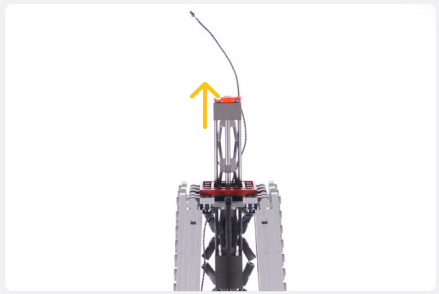
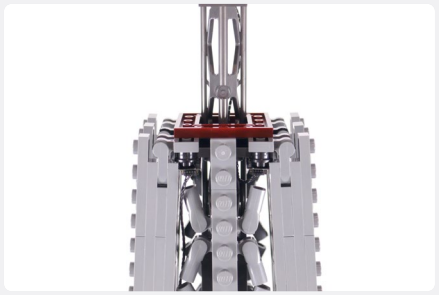
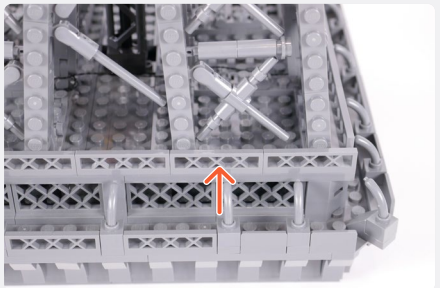
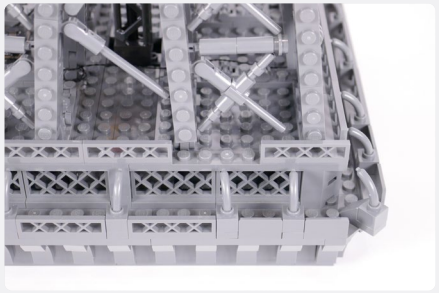
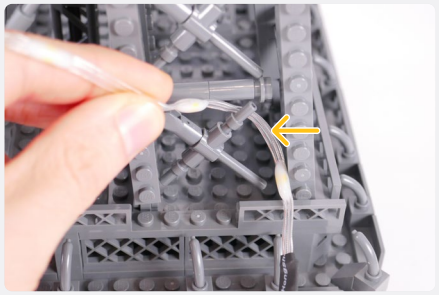
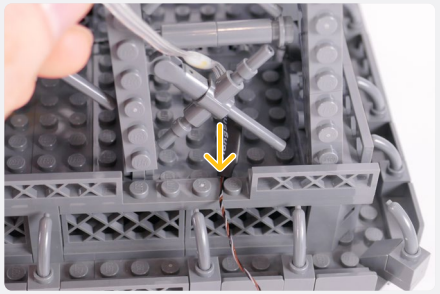
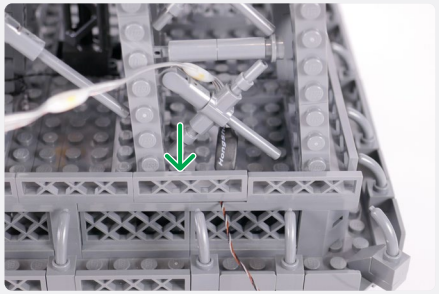
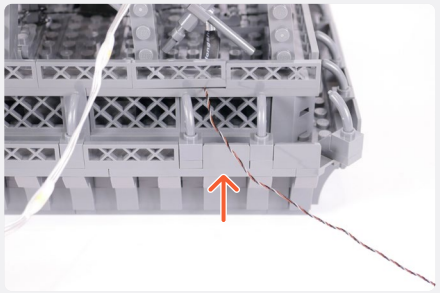



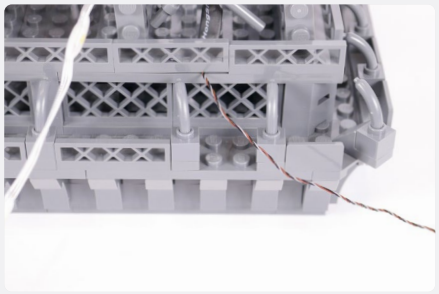
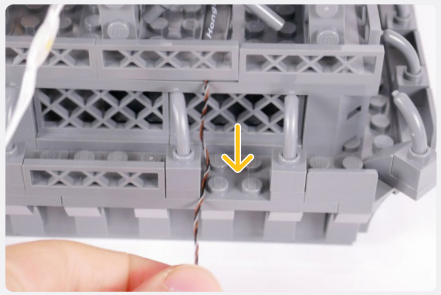
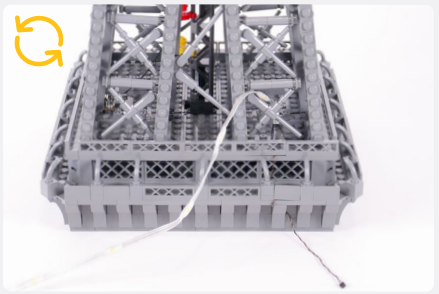
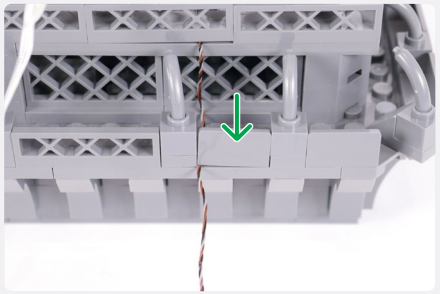
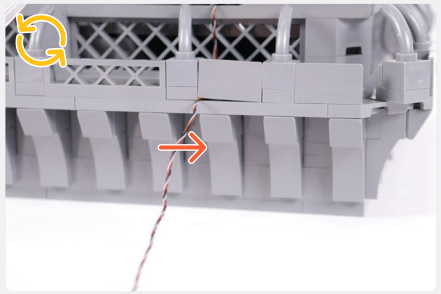




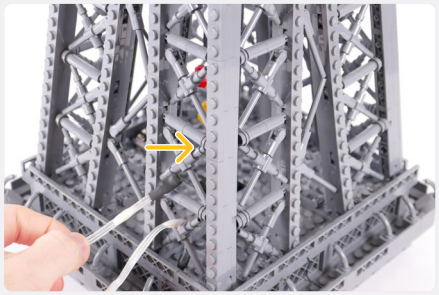
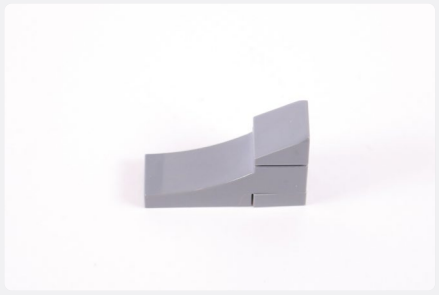
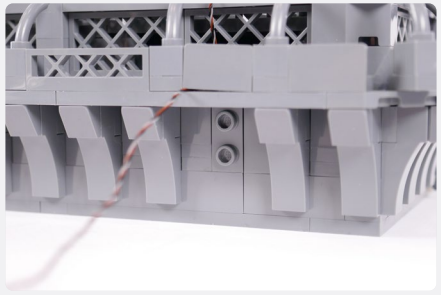
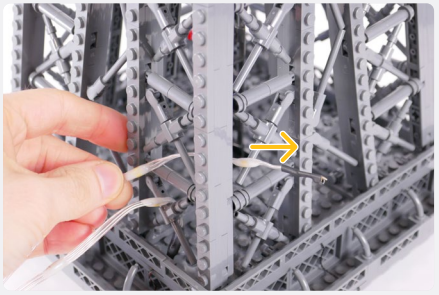
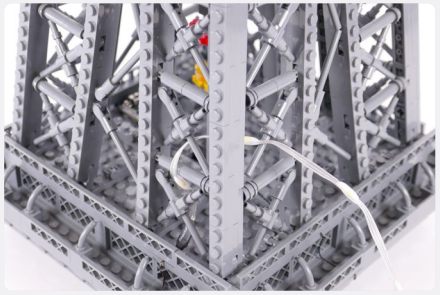
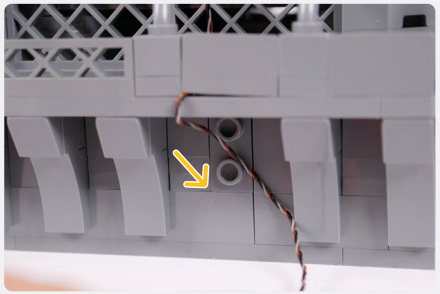
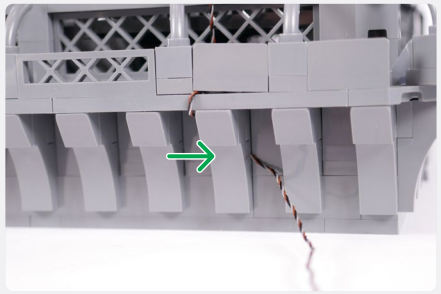
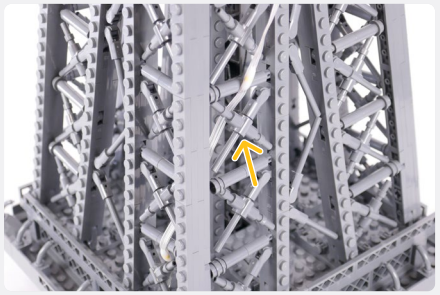
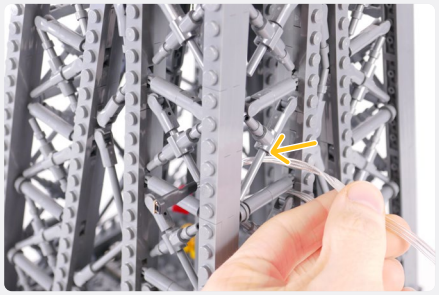






Light String 15 LED 3Pin - Warm White





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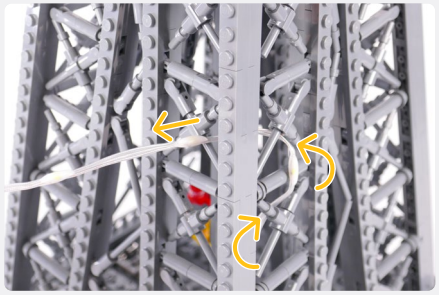
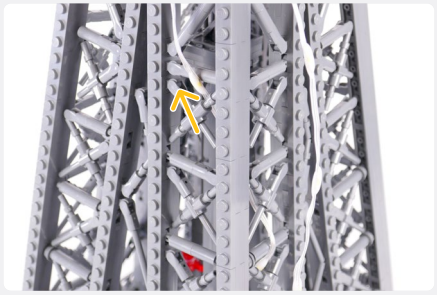
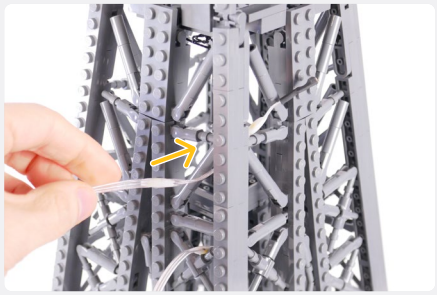
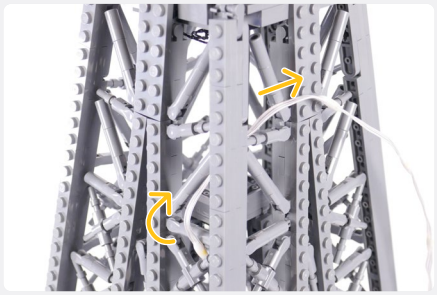
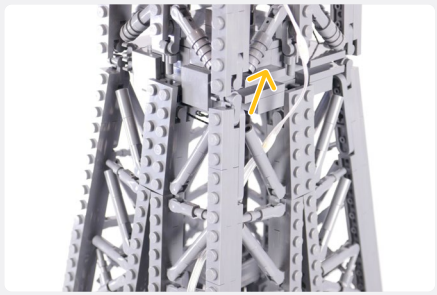
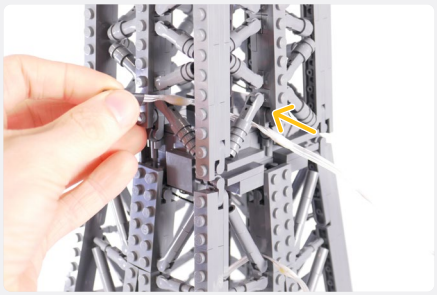
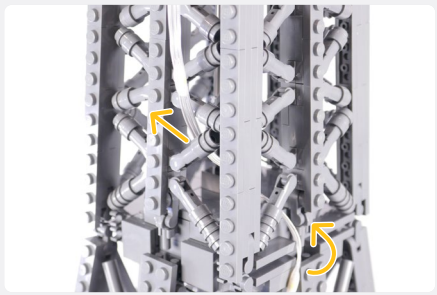
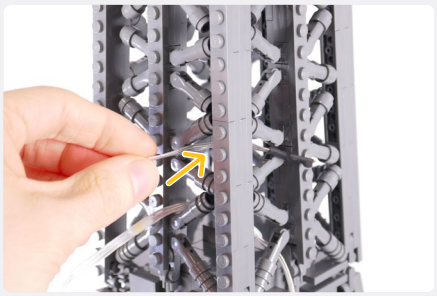

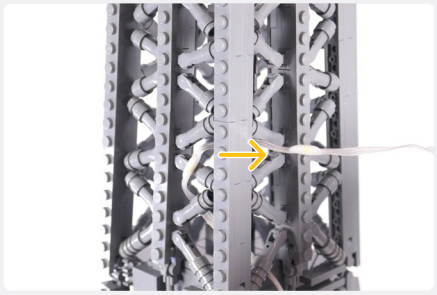
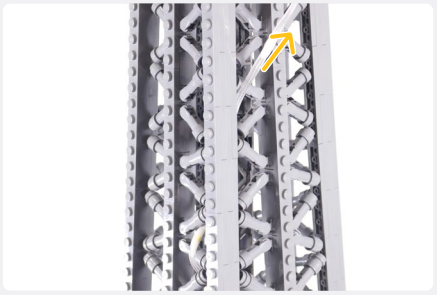
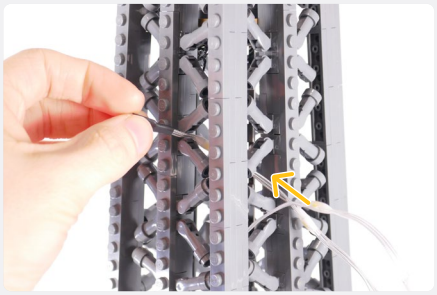

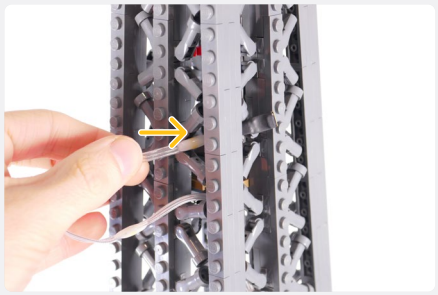
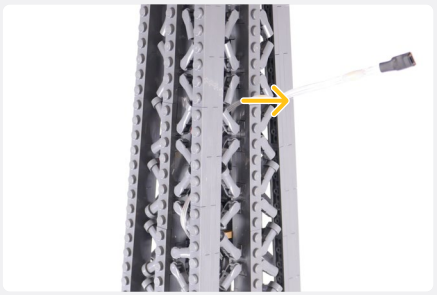
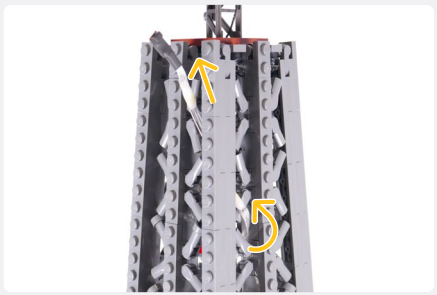

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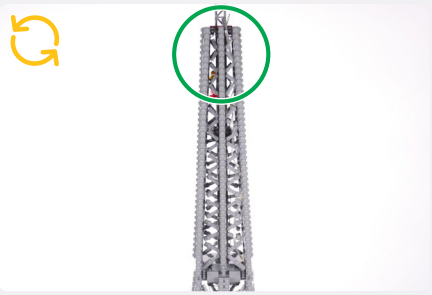
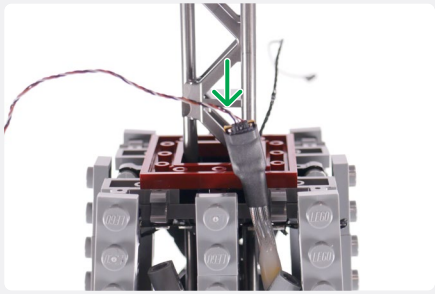
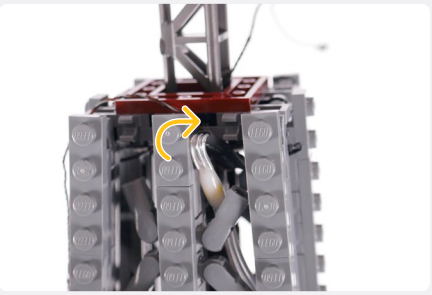
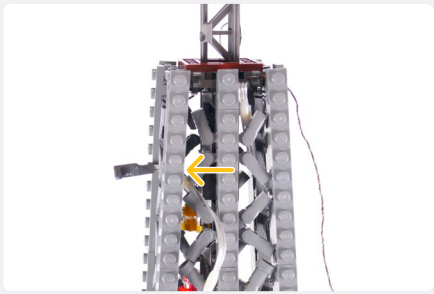
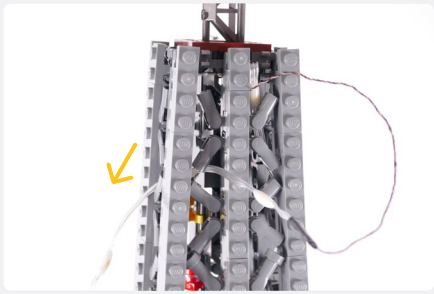
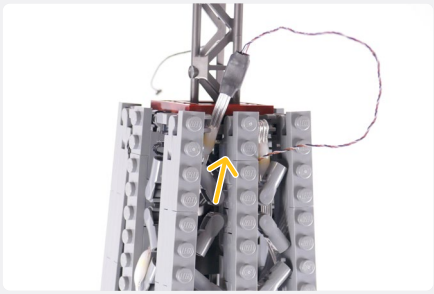
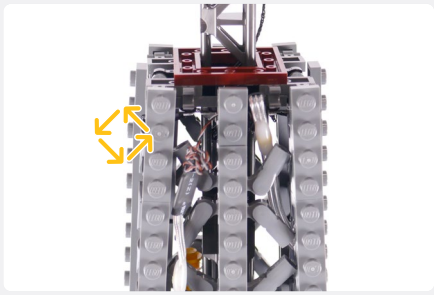
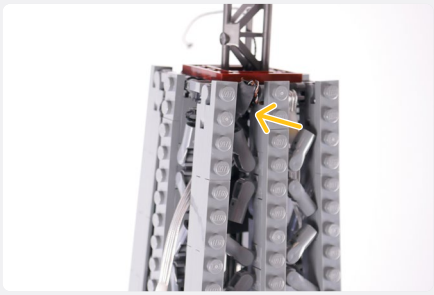


Light String 15 LED 3Pin - Warm White

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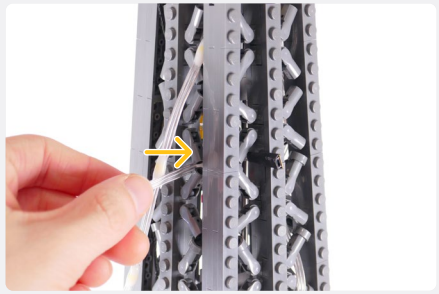

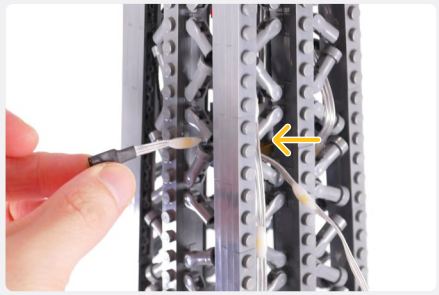

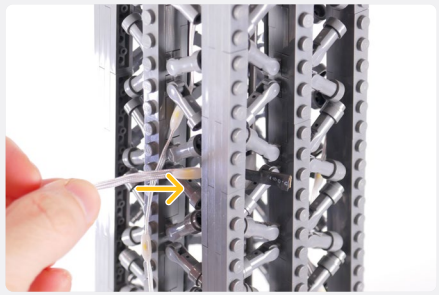
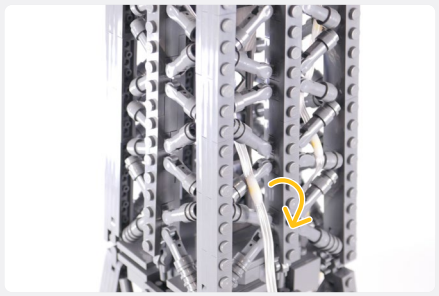
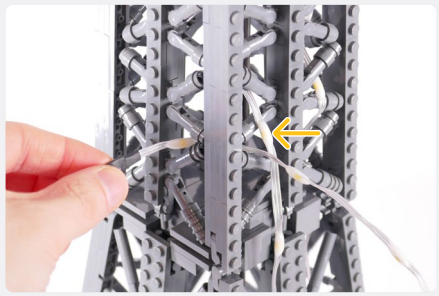

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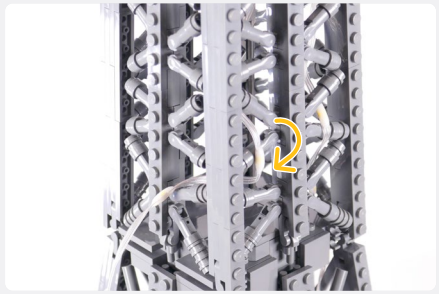
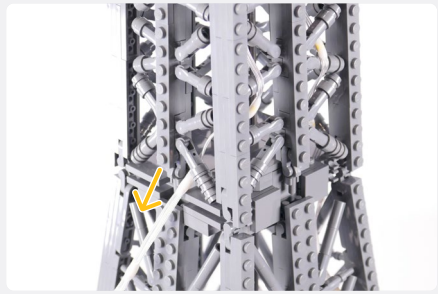
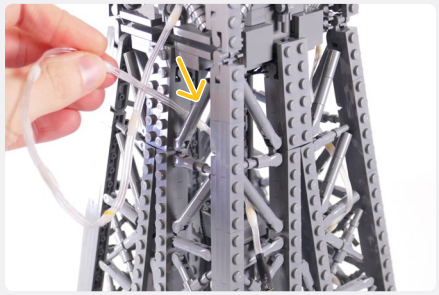
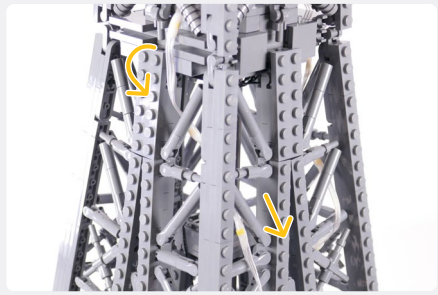
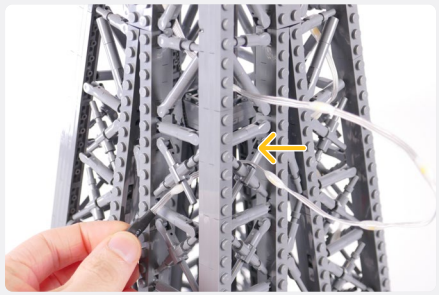
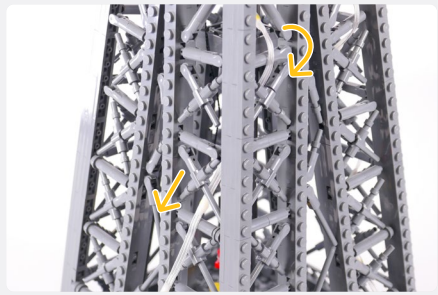
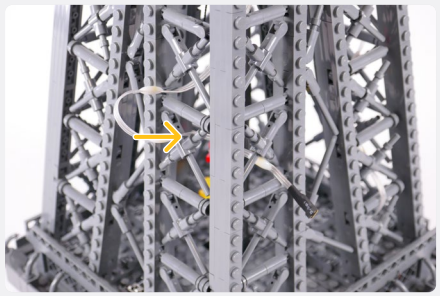
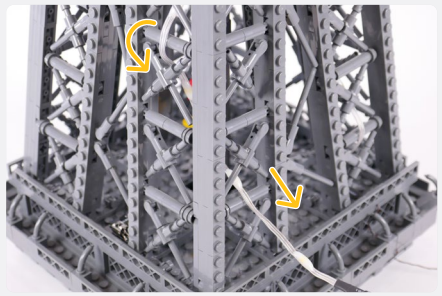

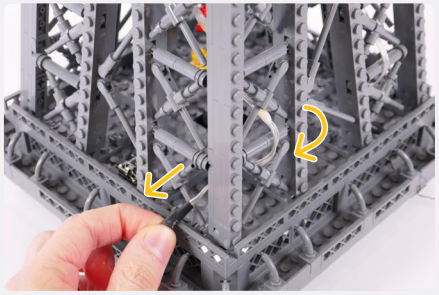

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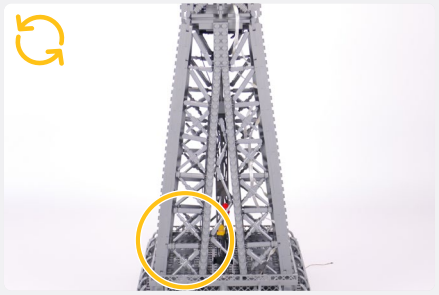
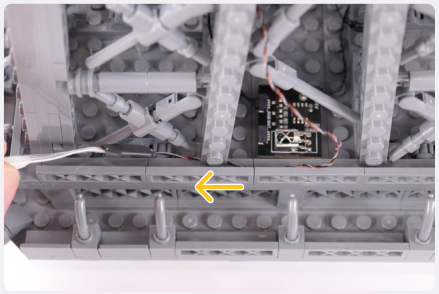
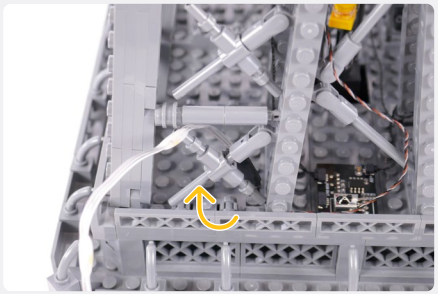
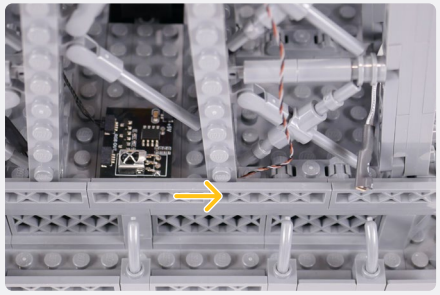
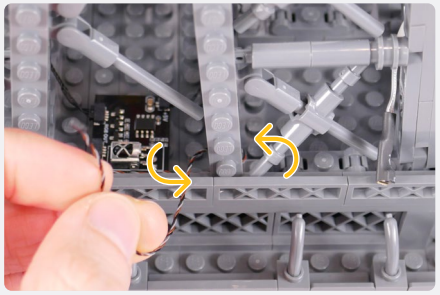
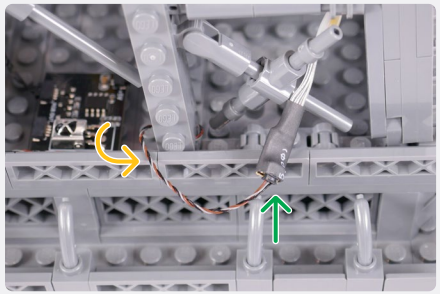
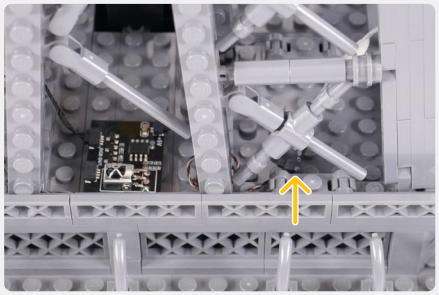


Light String 15 LED 3Pin - Warm White

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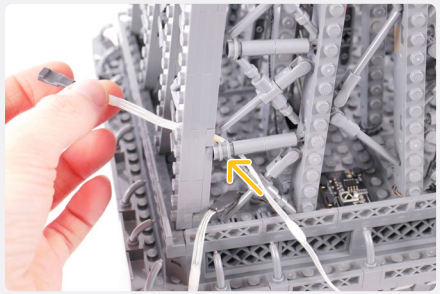
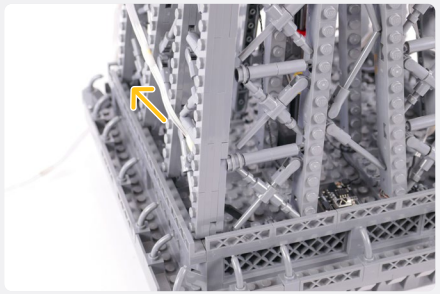

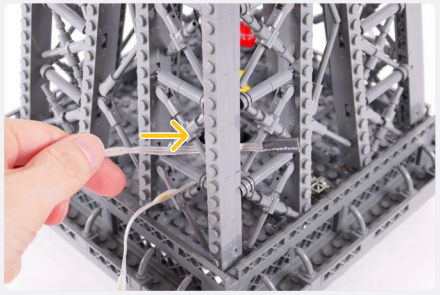
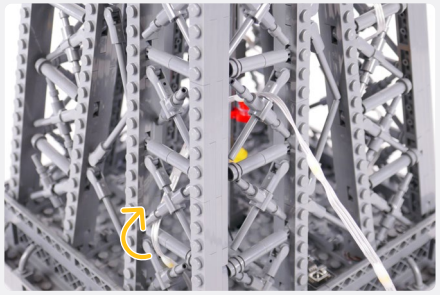
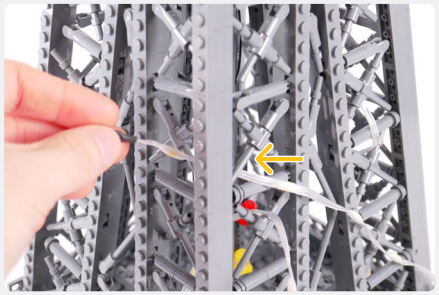
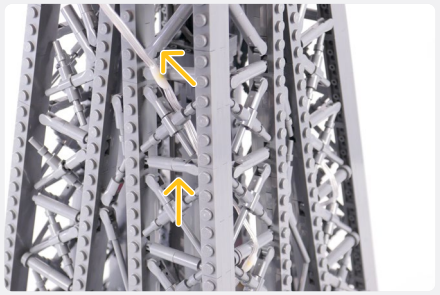

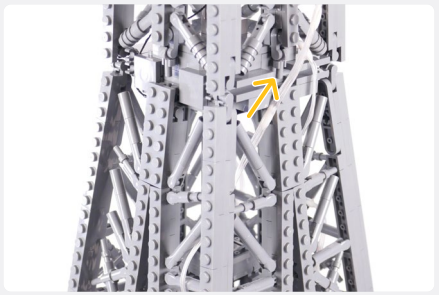
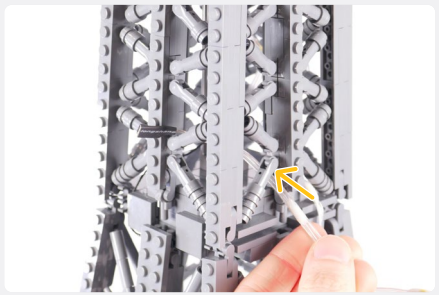
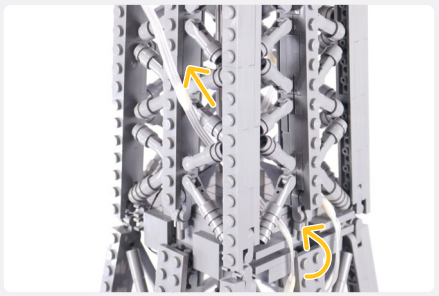

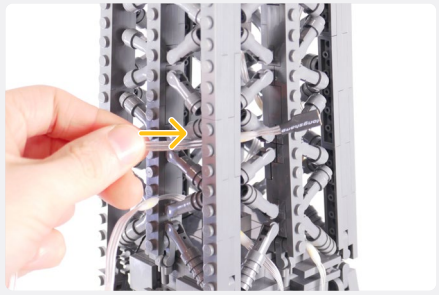
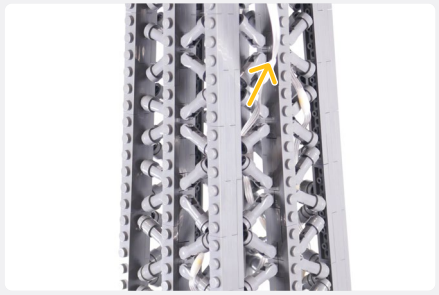
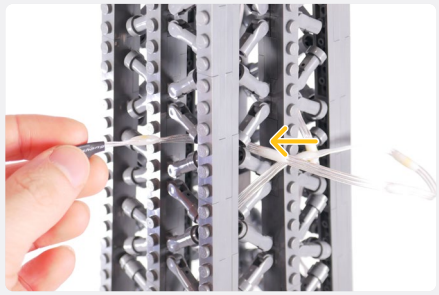
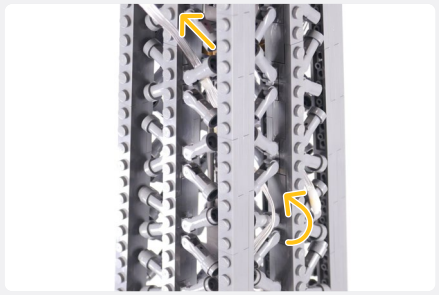
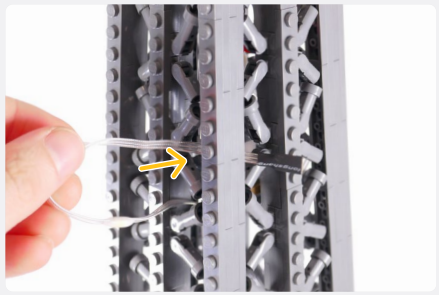

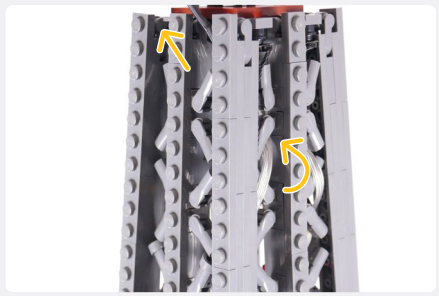
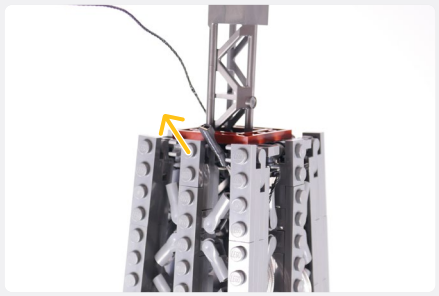

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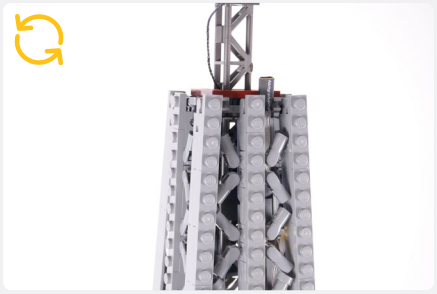
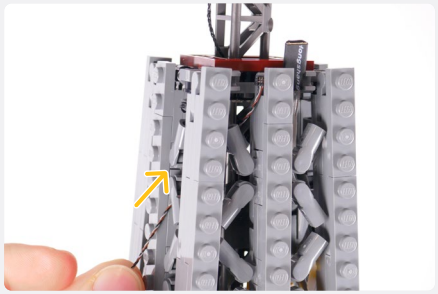
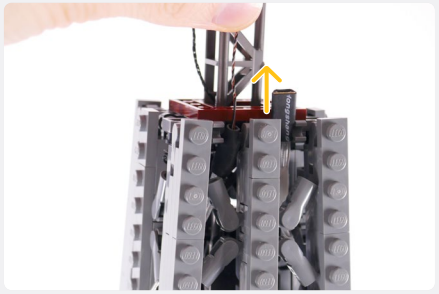
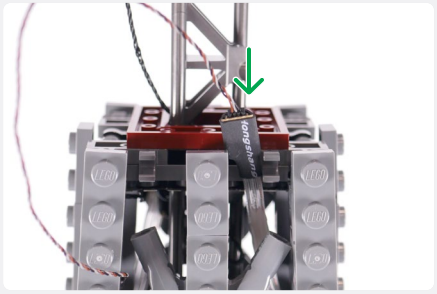
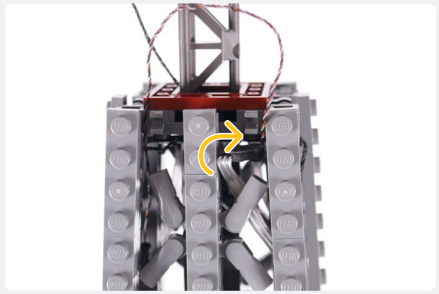


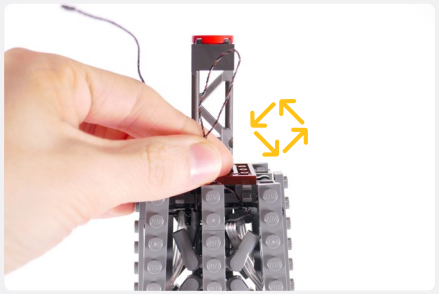
Light String 15 LED 3Pin - Warm White

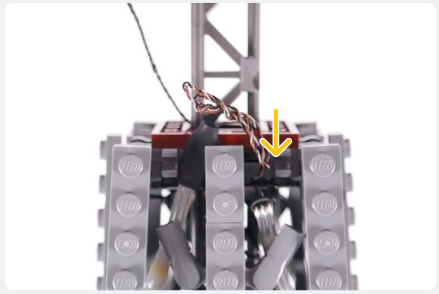












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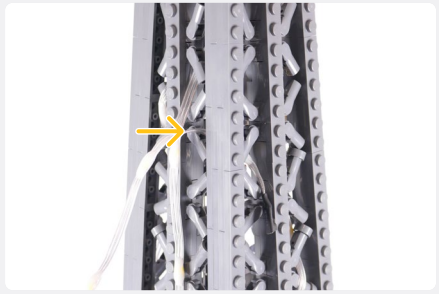

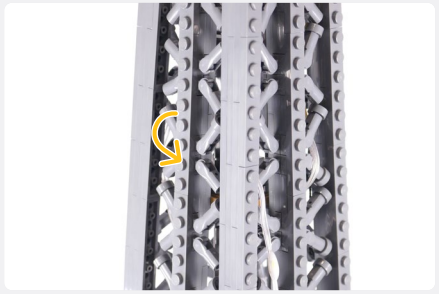

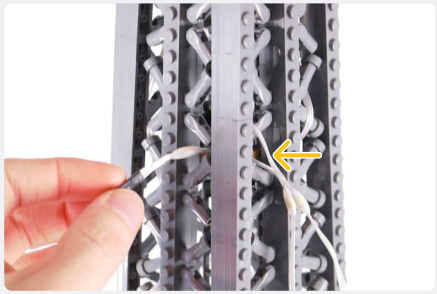

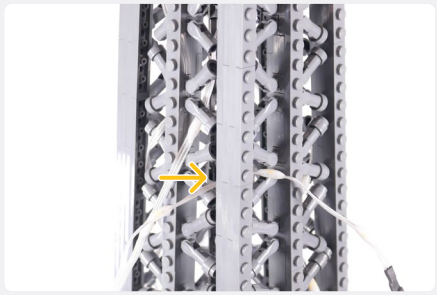
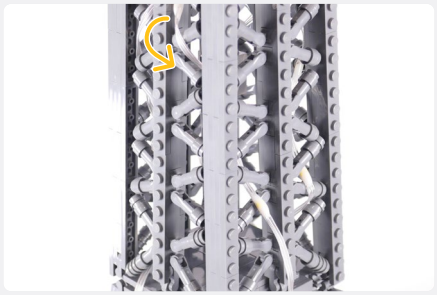

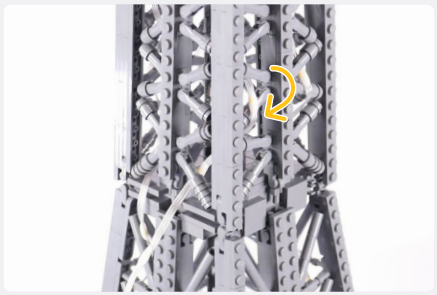
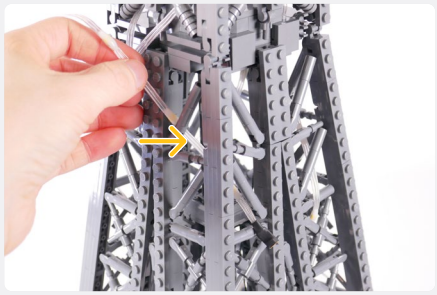

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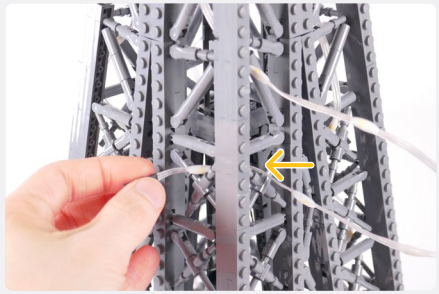
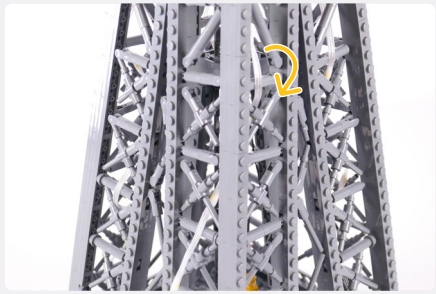
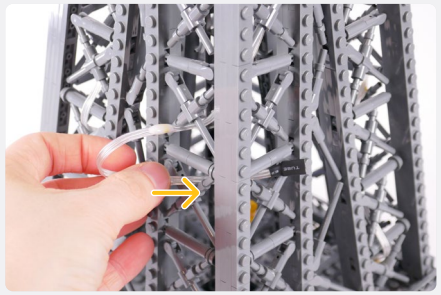
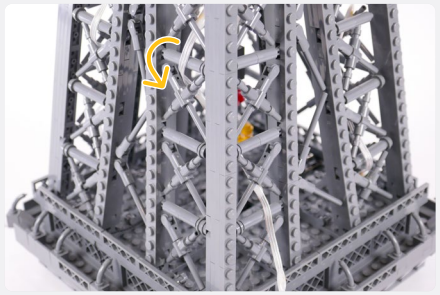
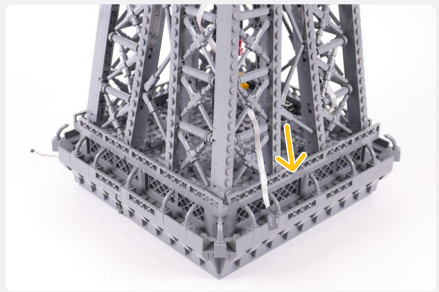
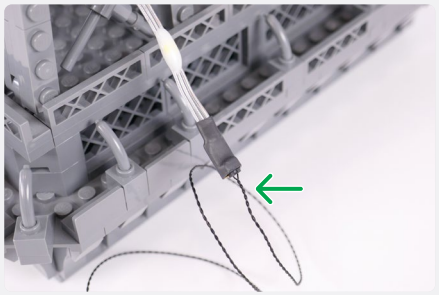
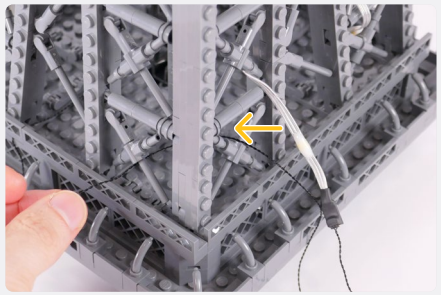
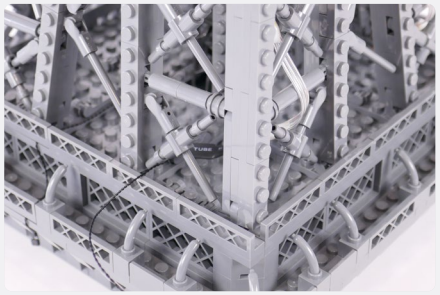
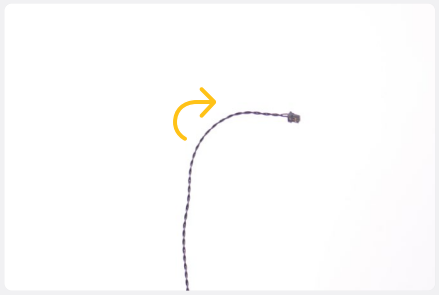
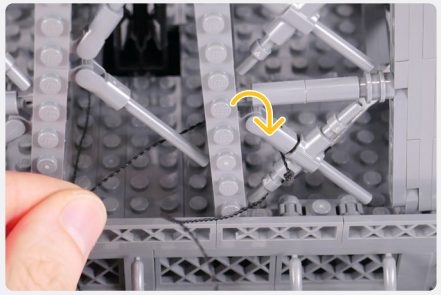
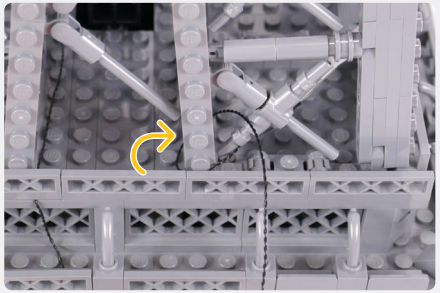
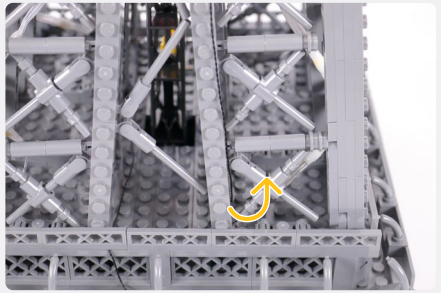






2Pin-3Pin 30cm Connecting Cable

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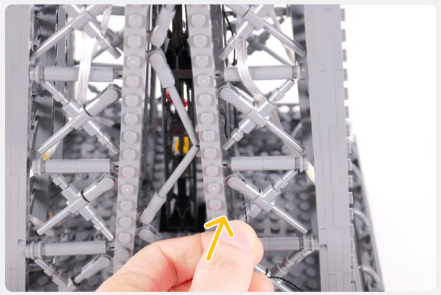
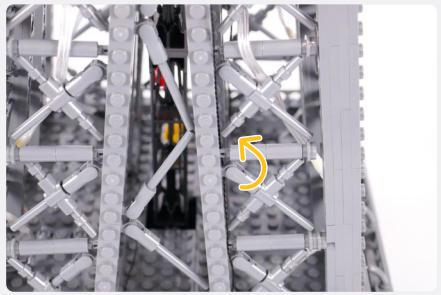
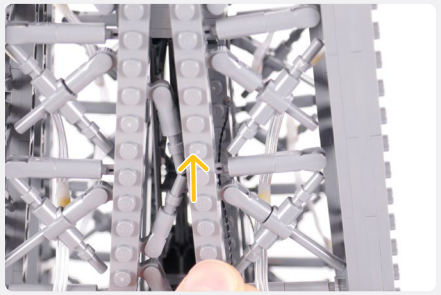
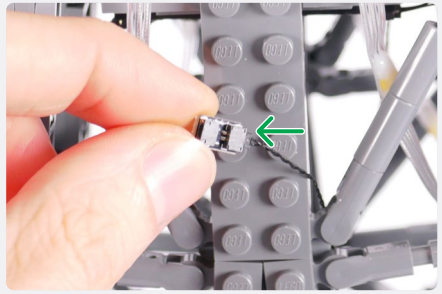
2-Port Expansion Board



50cm Connecting Cable

Adhesive Square

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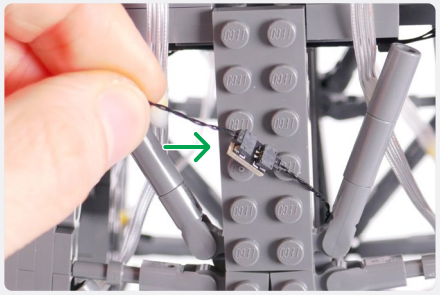
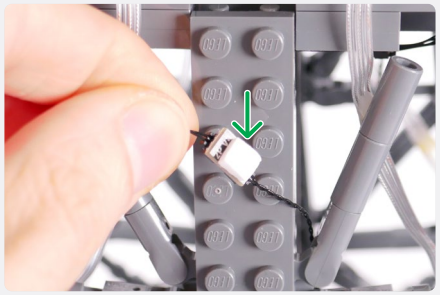
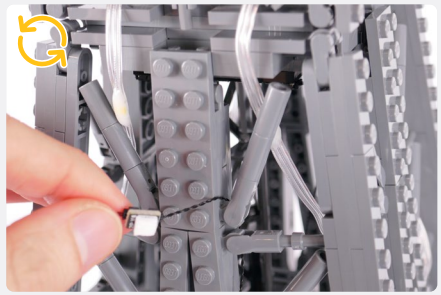
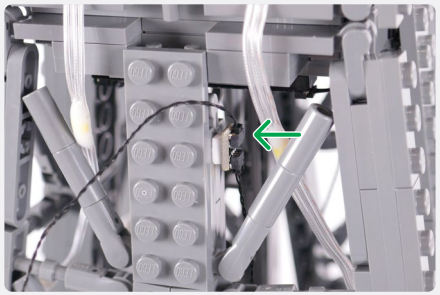
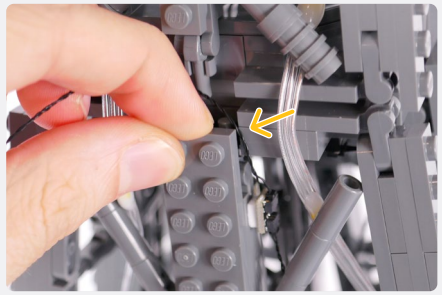
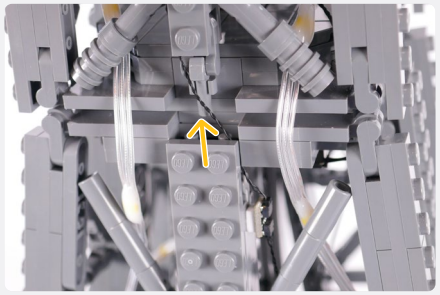
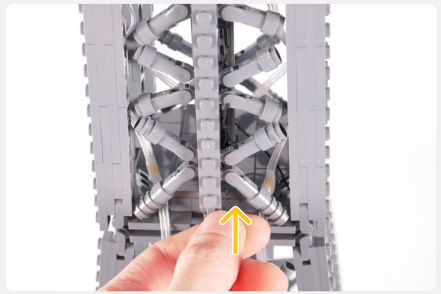
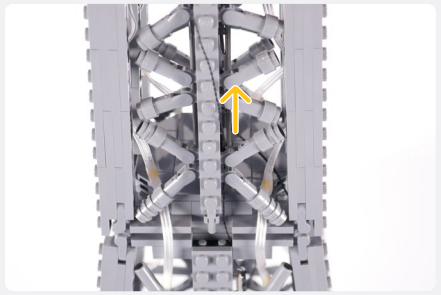
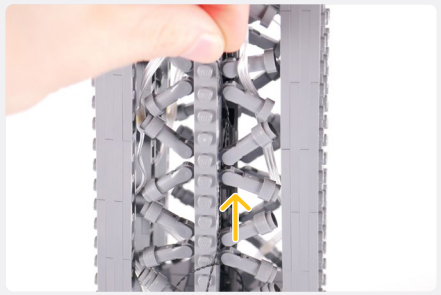
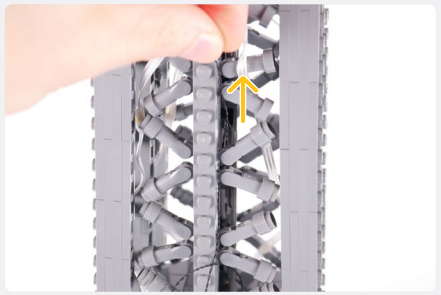
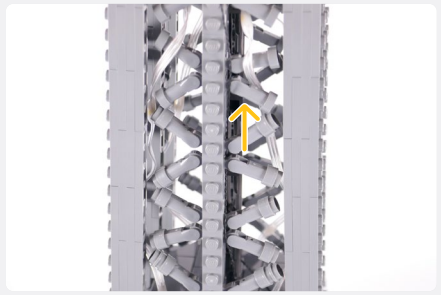
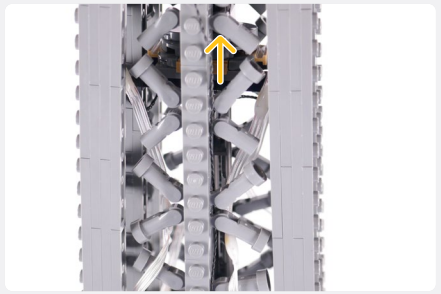
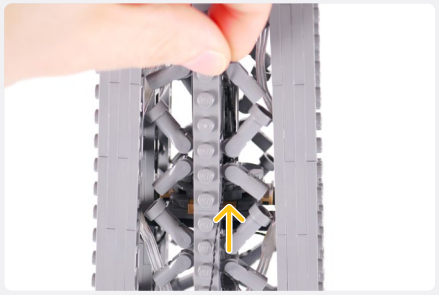
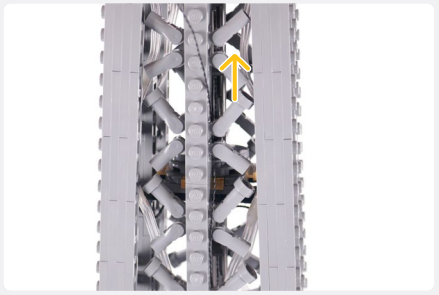
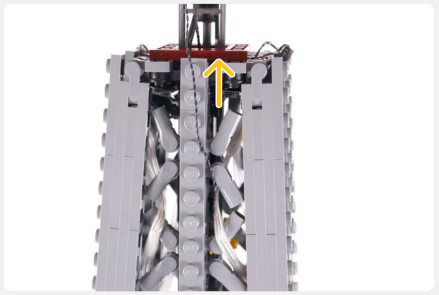







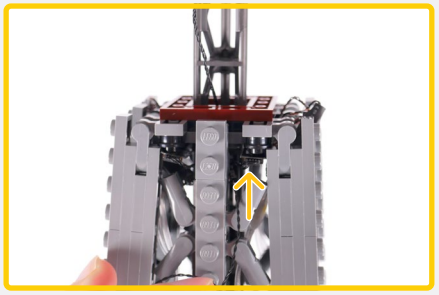
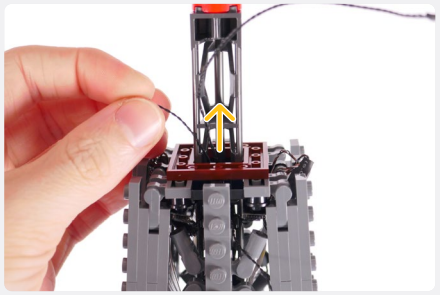
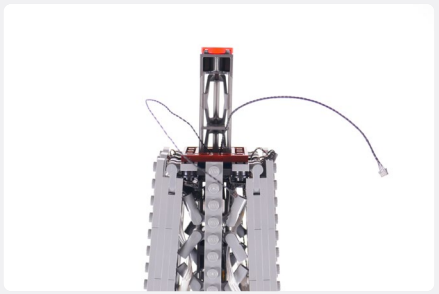









NOTE

Thread the cable up through the middle of the tower like in Step 45.

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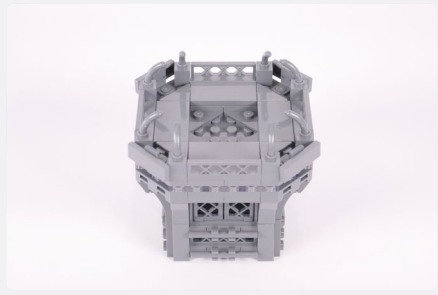
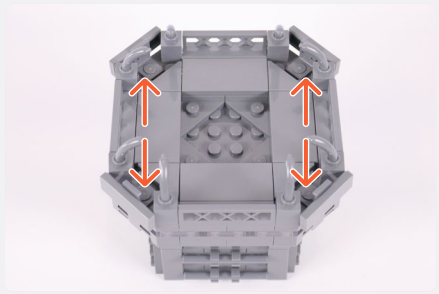
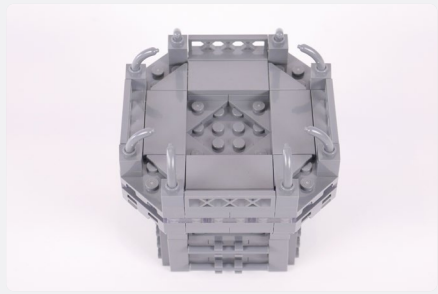
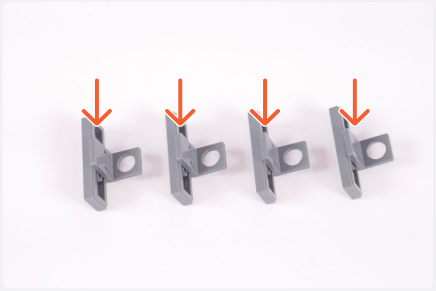
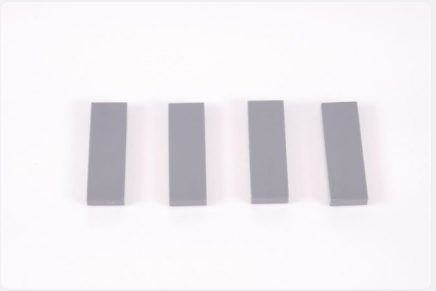
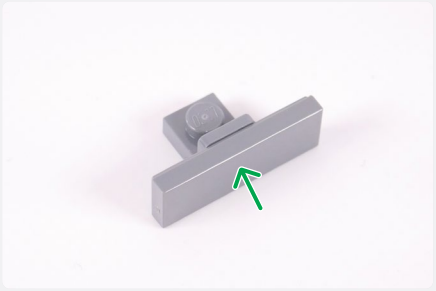
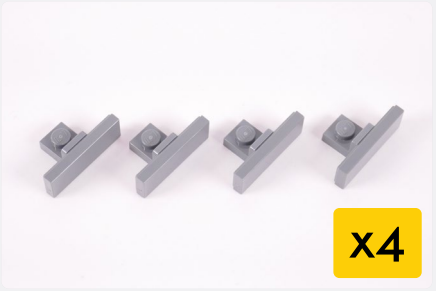






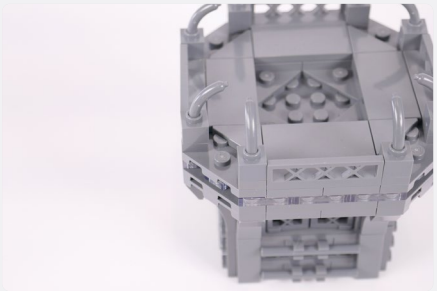


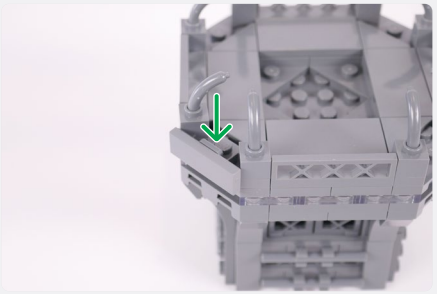
Bracket 1x1 - 1x1 Inverted - Dark Bluish Gray





x4





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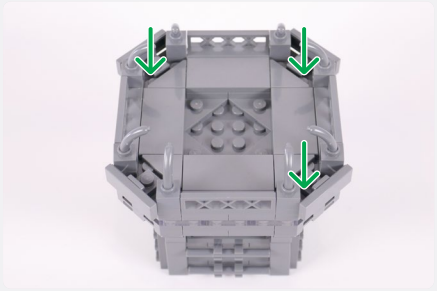
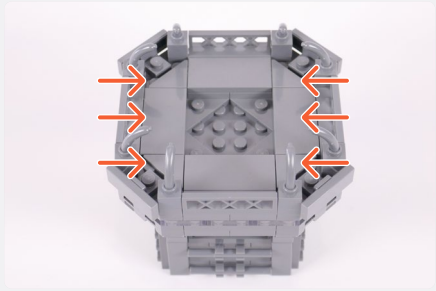
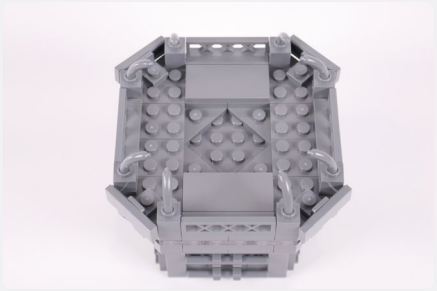
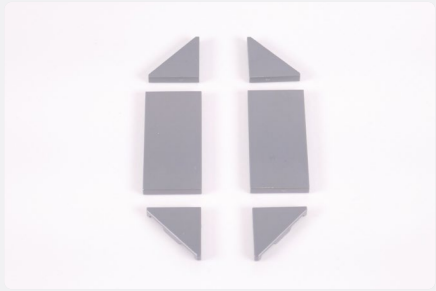


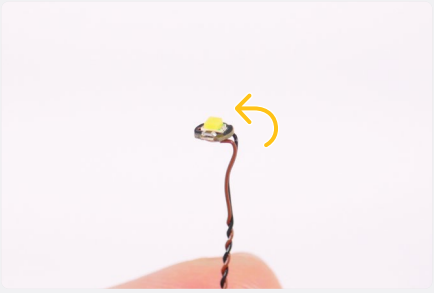






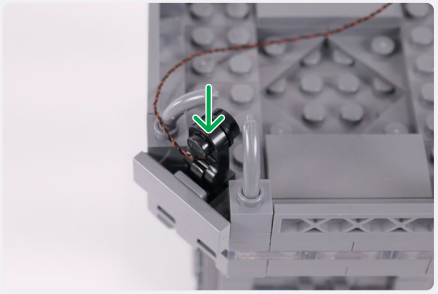
White 15cm Bit Light

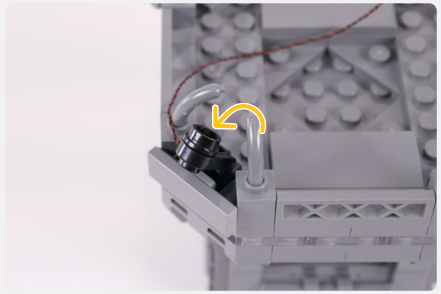
Plate, Round 1x1 with Open Stud - Black

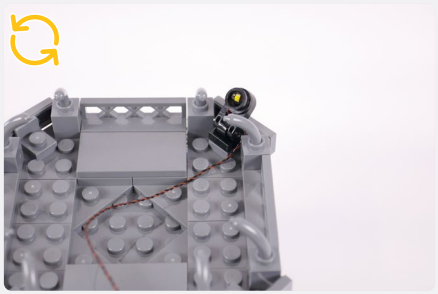


Plate, Round 1x1 with Bar Handle - Black

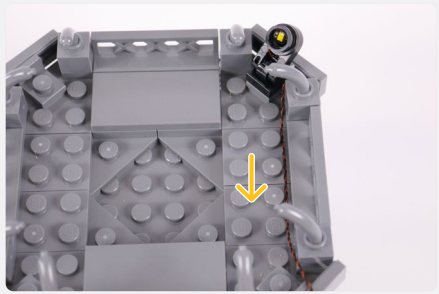
60

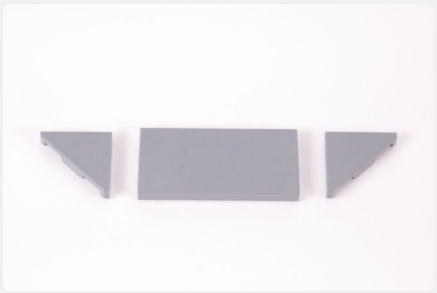






Tile, Modified 1x1 with Open O Clip - Black





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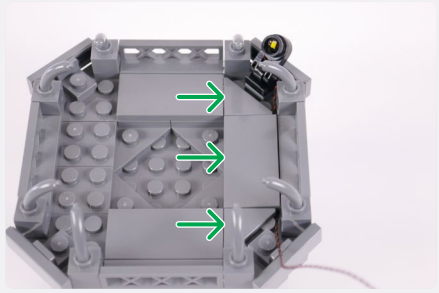
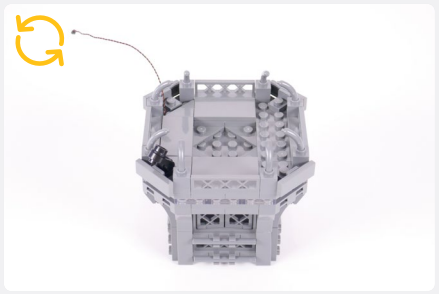
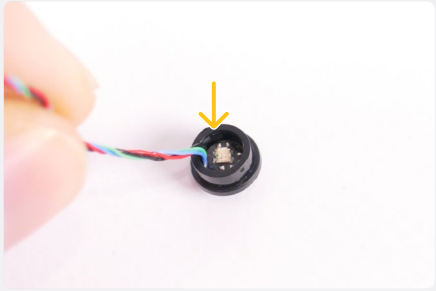
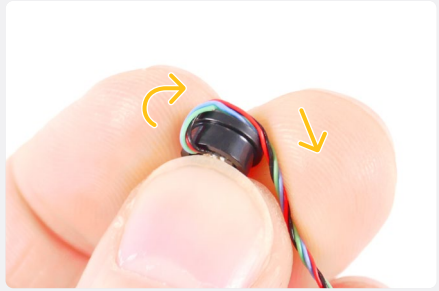




RGB 15cm Bit Light

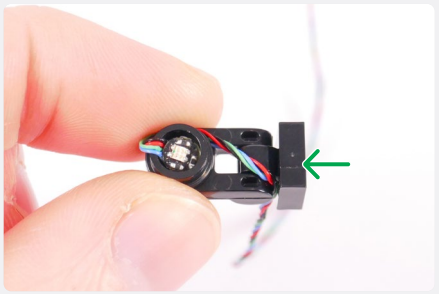
Plate, Round 1x1 with Open Stud - Black

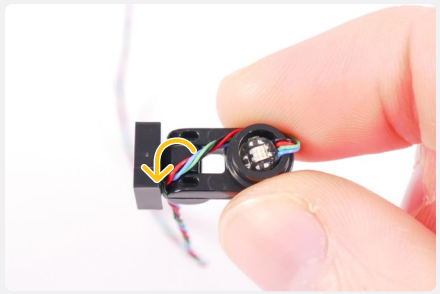




Plate, Round 1x1 with Bar Handle - Black

Tile, Modified 1x1 with Open O Clip - Black





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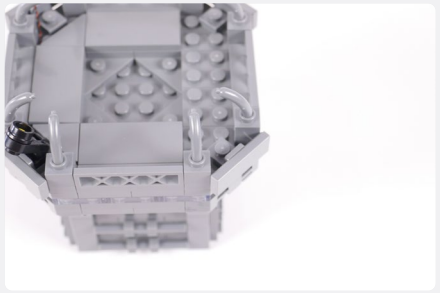

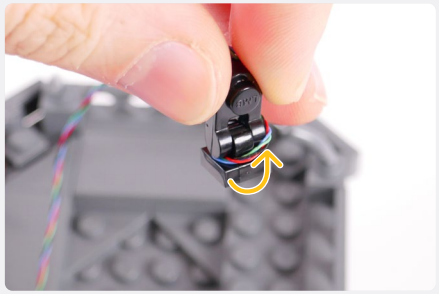

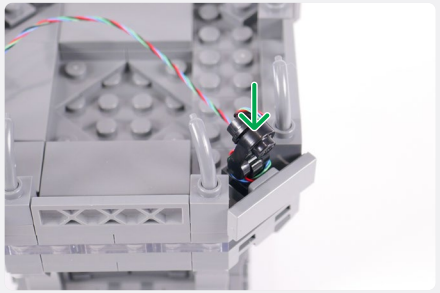

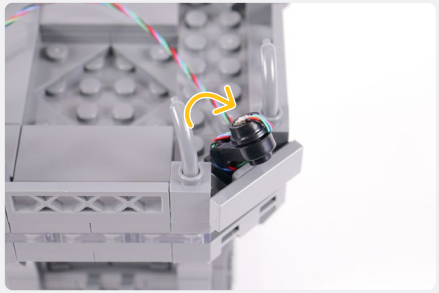

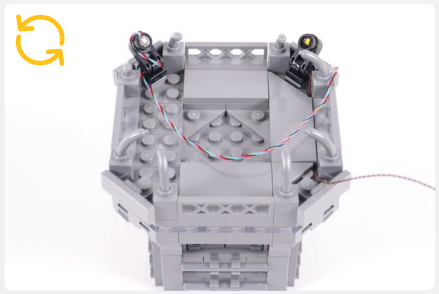
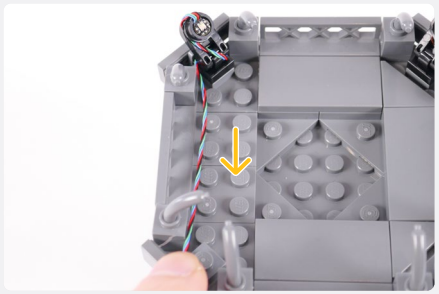
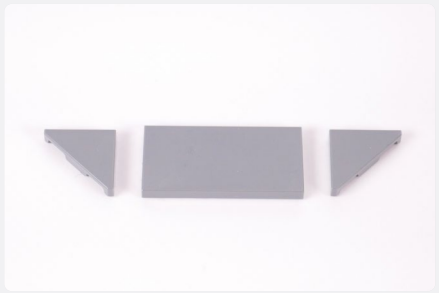
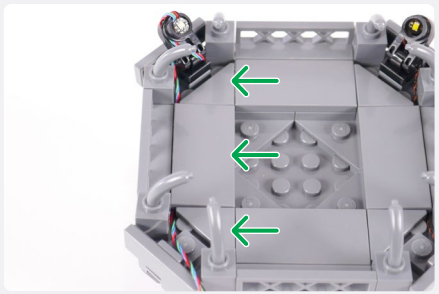
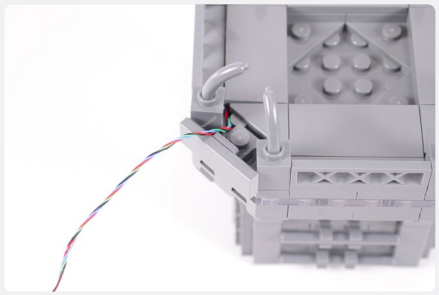
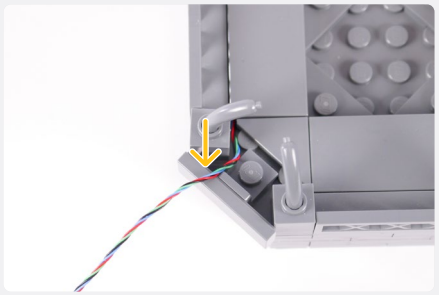
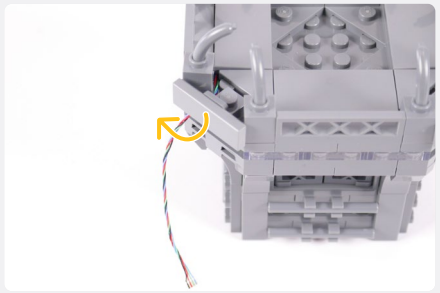
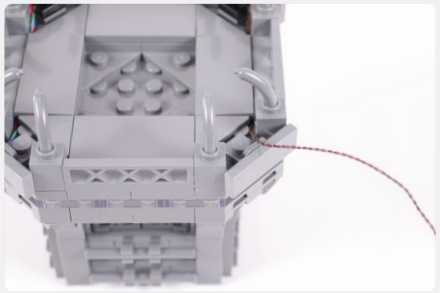

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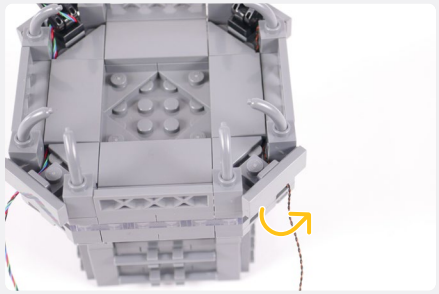
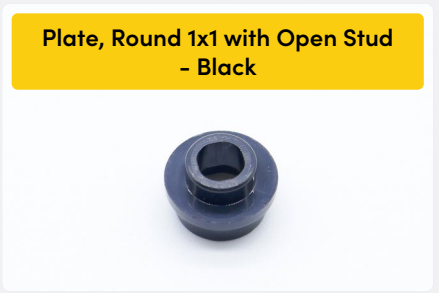
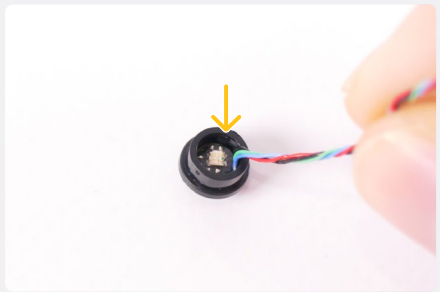
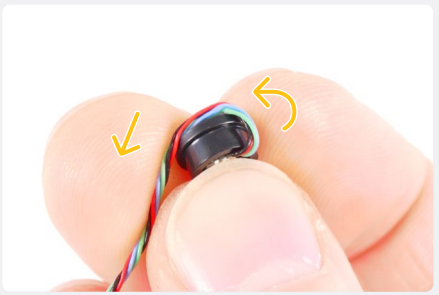


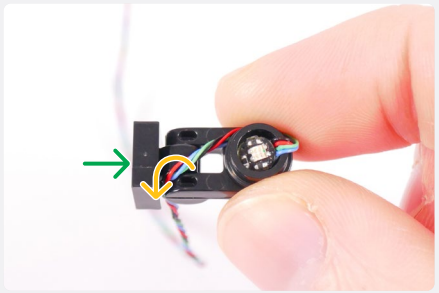
RGB 15cm Bit Light

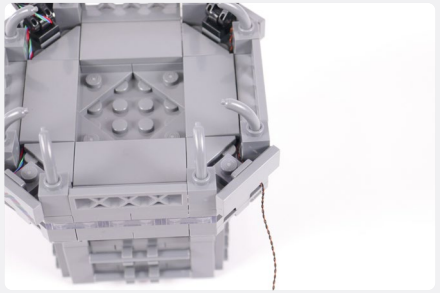
Plate, Round 1x1 with Open Stud - Black

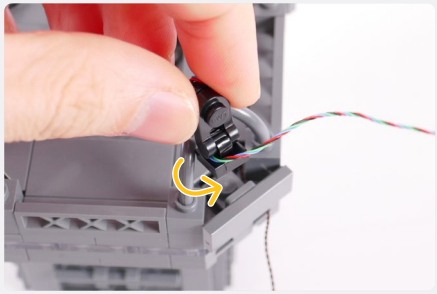




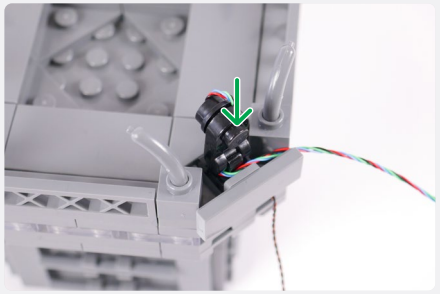
Plate, Round 1x1 with Bar Handle - Black

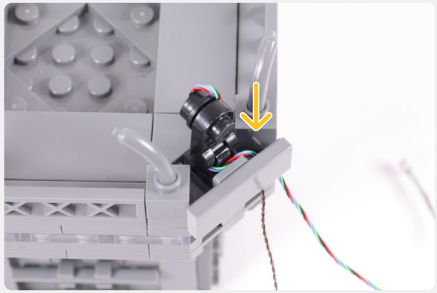
Tile, Modified 1x1 with Open O Clip - Black

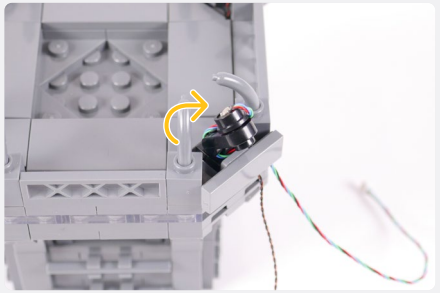












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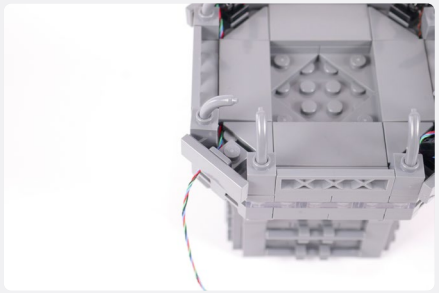

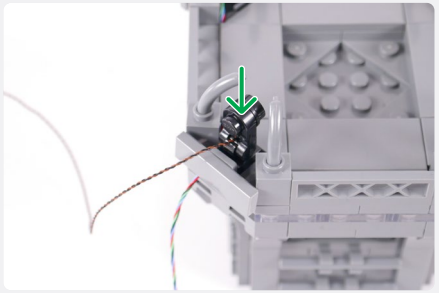

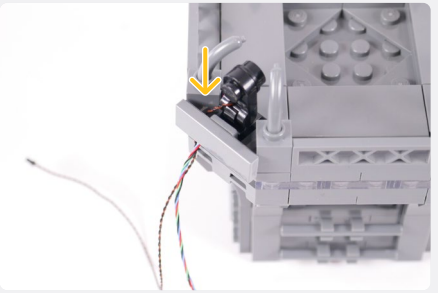

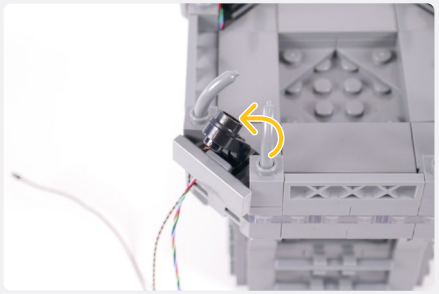

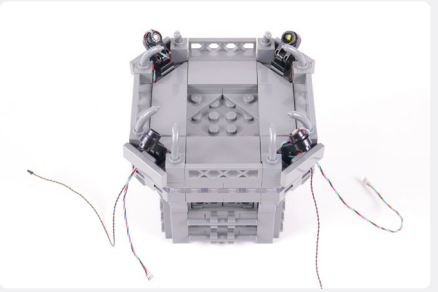

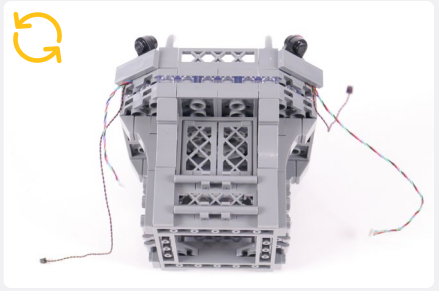

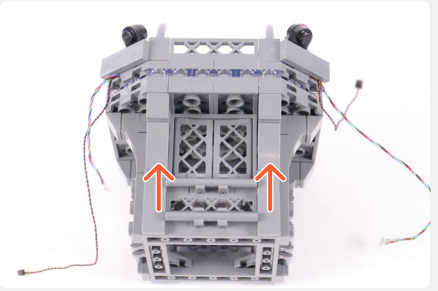

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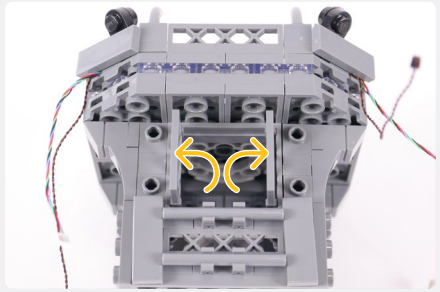
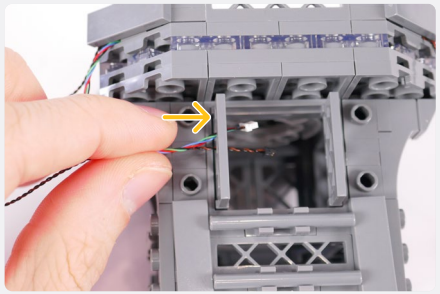
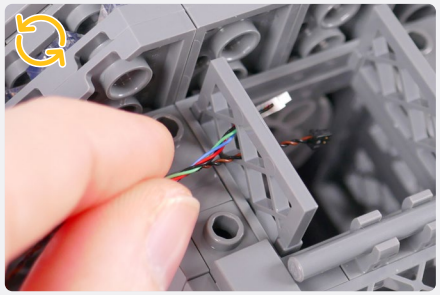
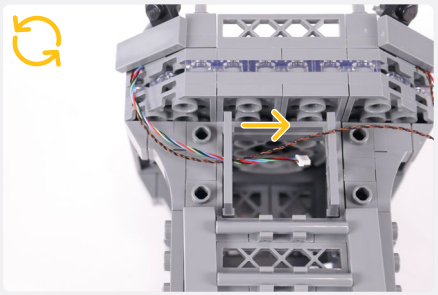

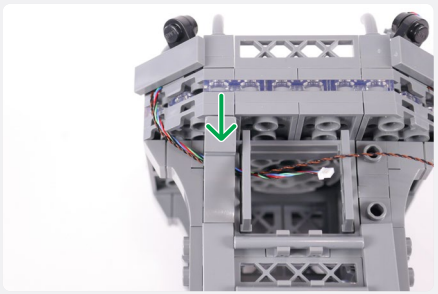
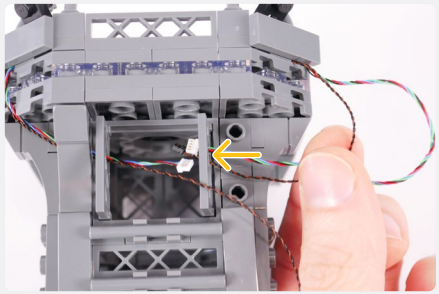

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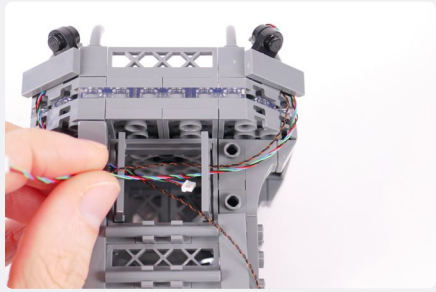
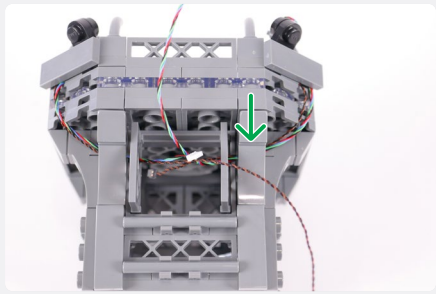
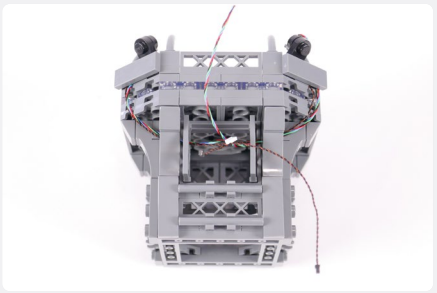
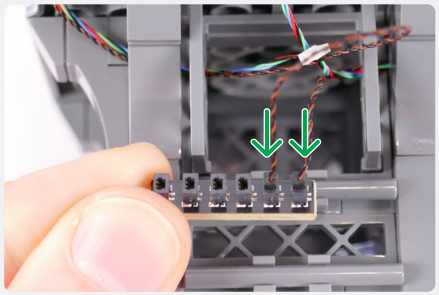
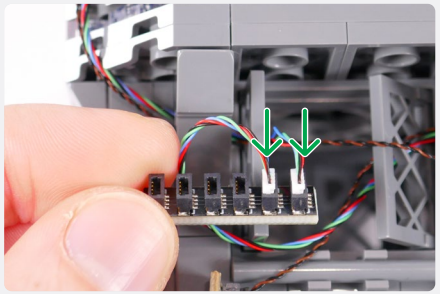


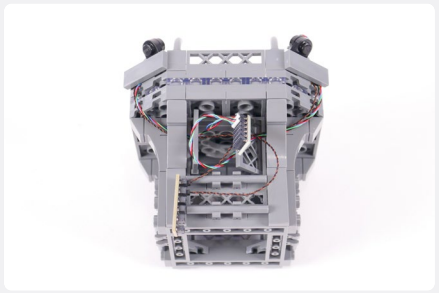



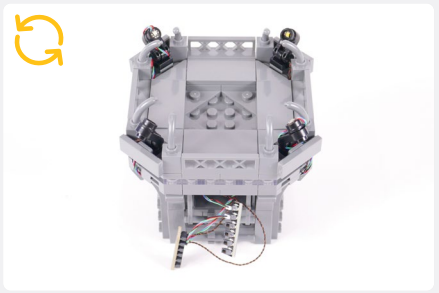
6-Port Expansion Board

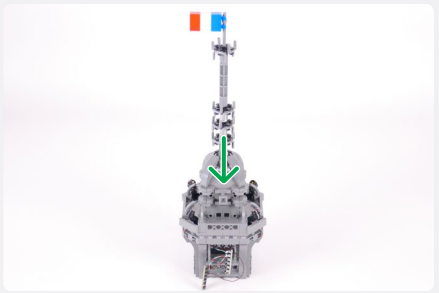


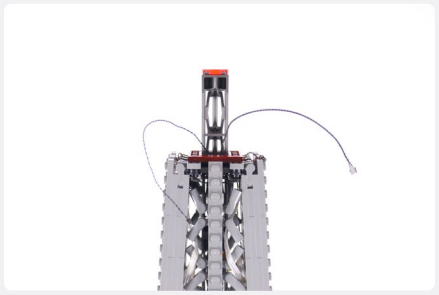
RGB 6-Port Expansion Board





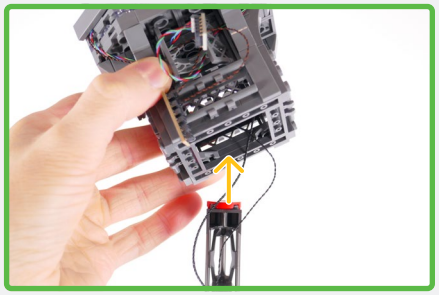


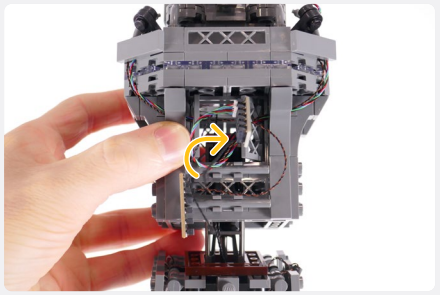


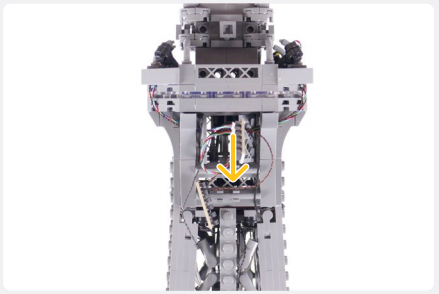


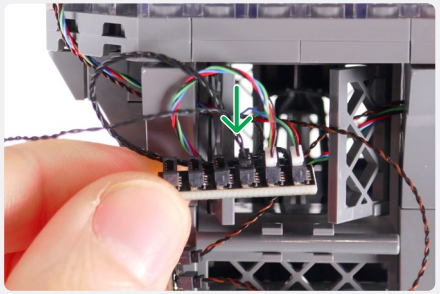
NOTE

Thread the cables on the tower up through the open window on the top section, plug them into the corresponding boards.





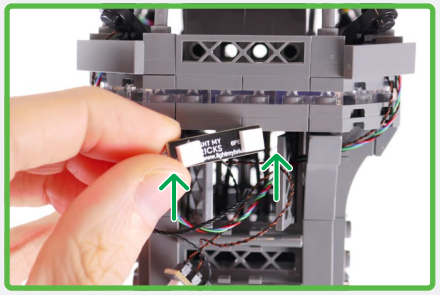


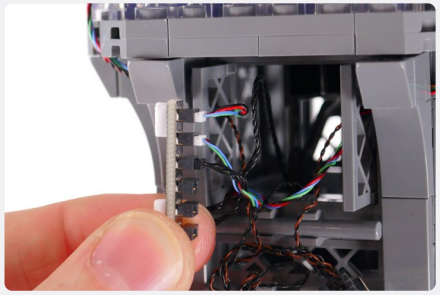


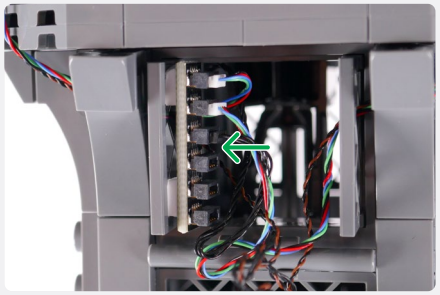
2x Adhesive Square

NOTE

Attach the Adhesive Squares to the back of the RGB 6-Port Expansion Board.







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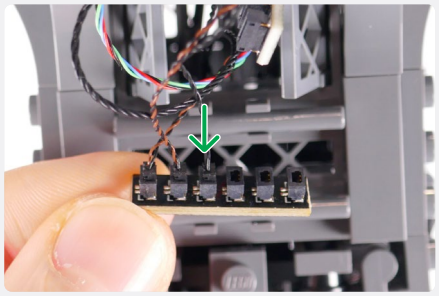
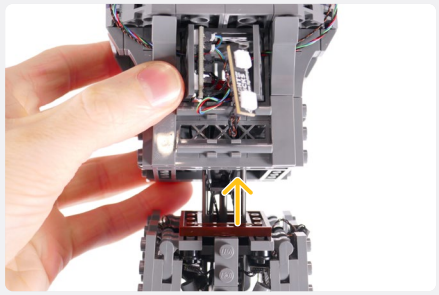
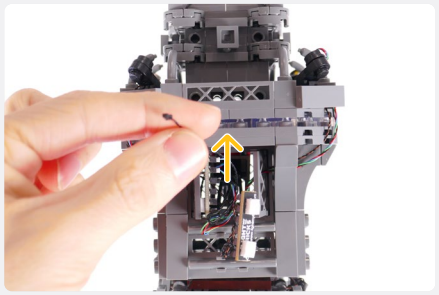
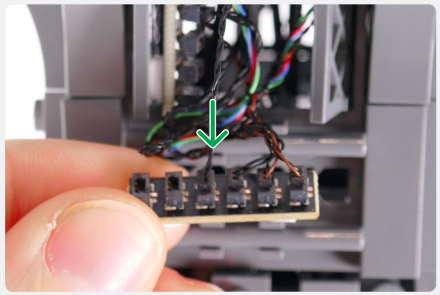


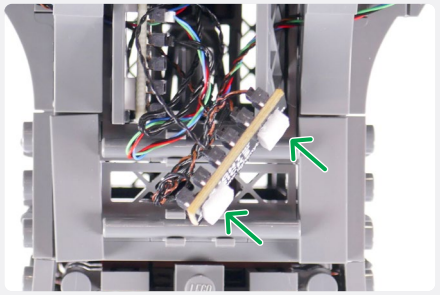
120cm Connecting Cable

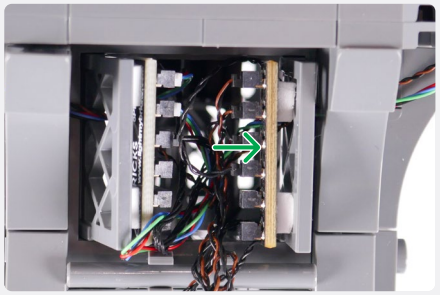






2x Adhesive Square





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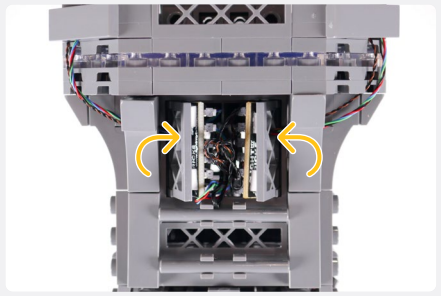

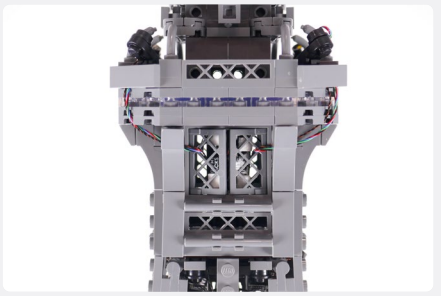

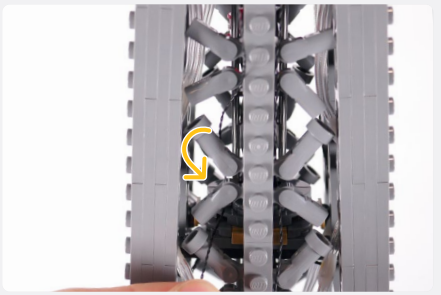

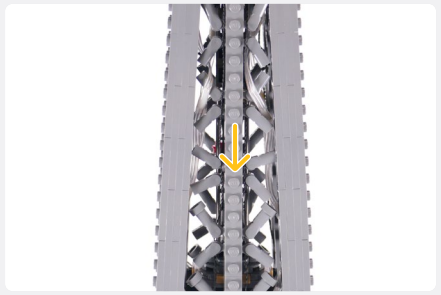

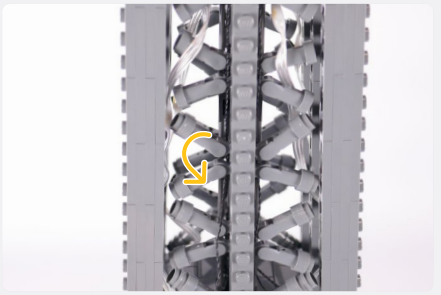

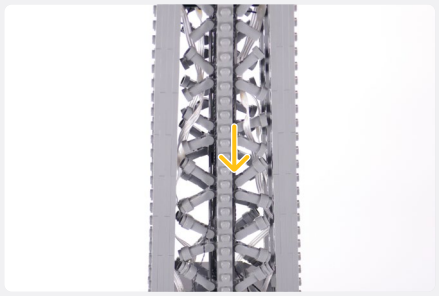
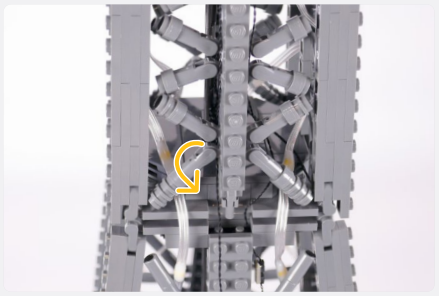

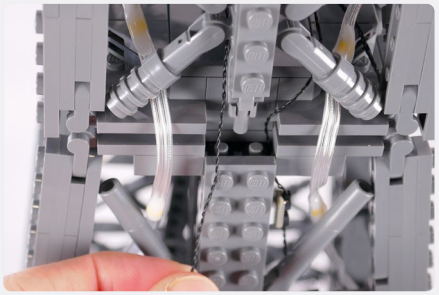
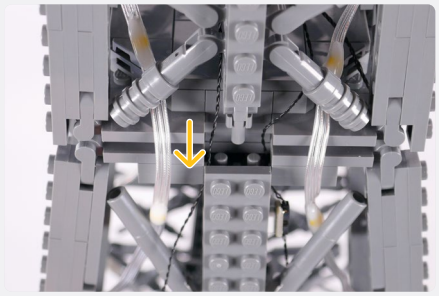
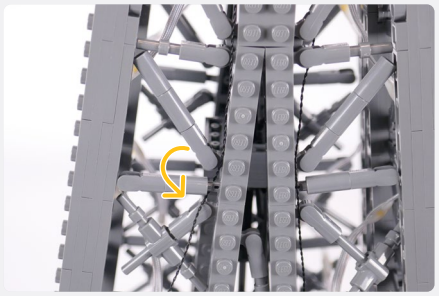
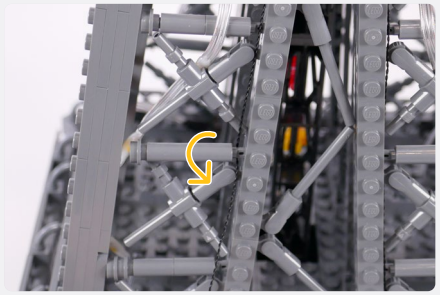

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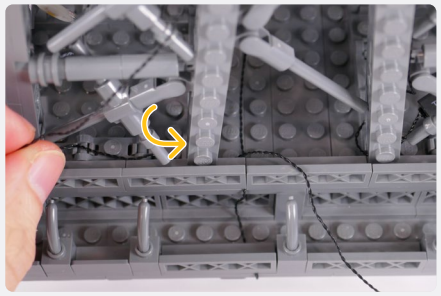
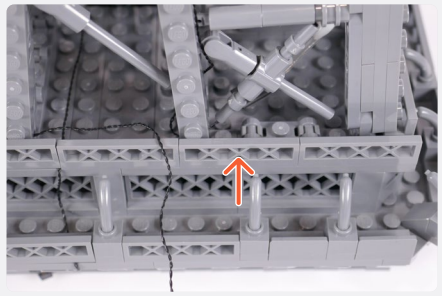
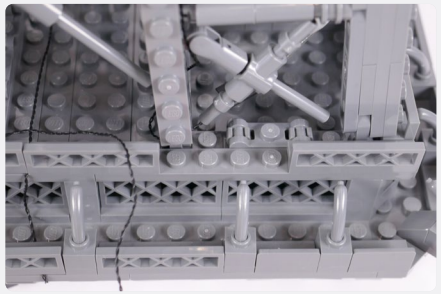

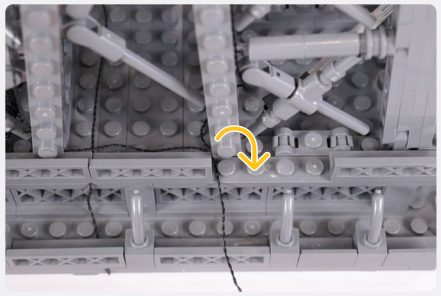
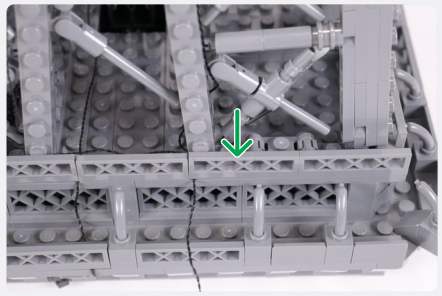
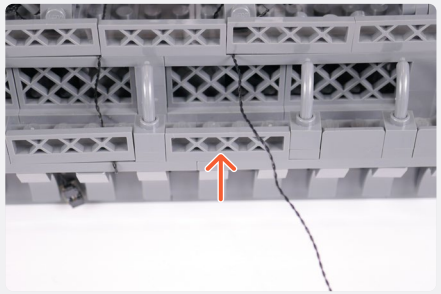

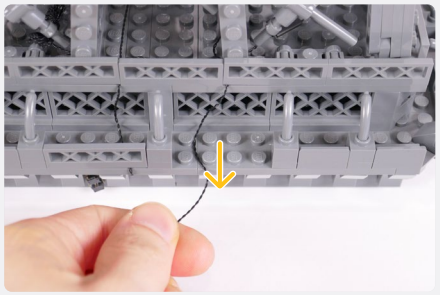
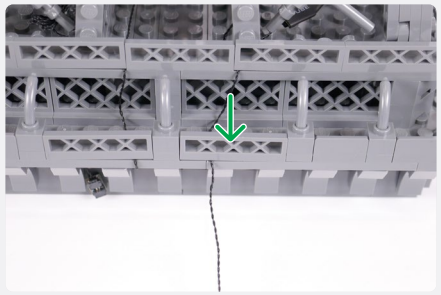
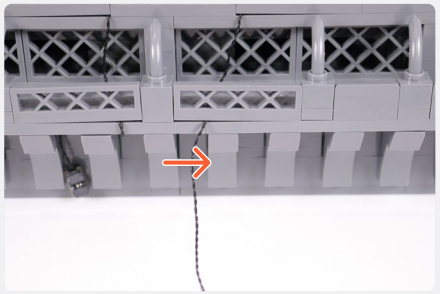

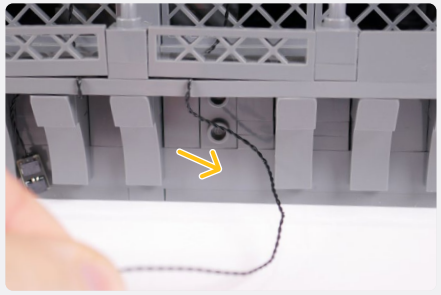
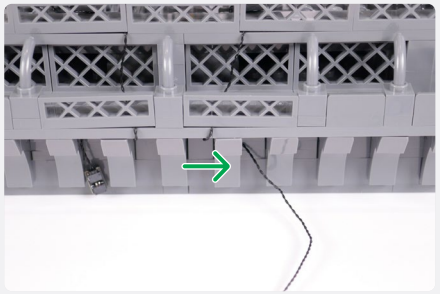

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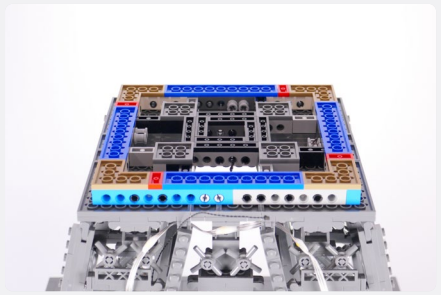
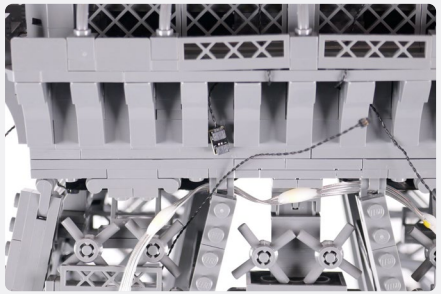
NOTE

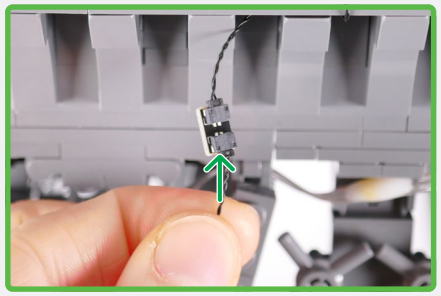
Ensure the Eiffel Tower base with the USB Power Cables coming out is facing you. The Top Section side with the cables lines up with it.



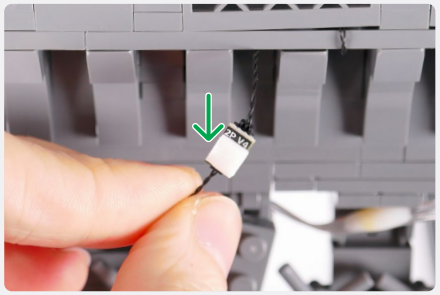


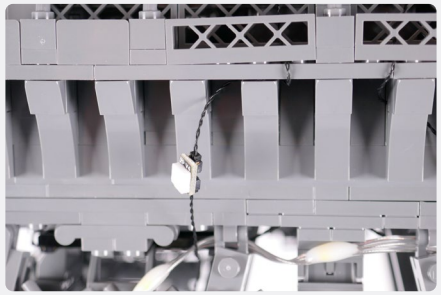
NOTE

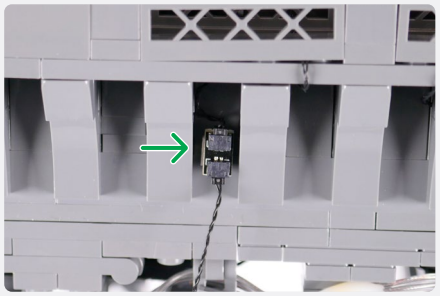
Connect the 30cm Connecting Cable from Step 5 into the 2-Port Expansion Board from Step 29.

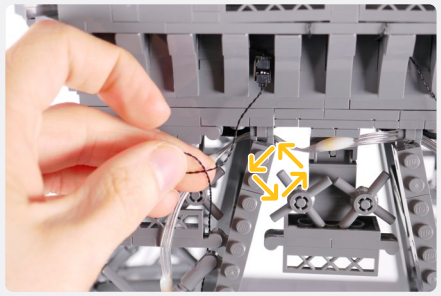


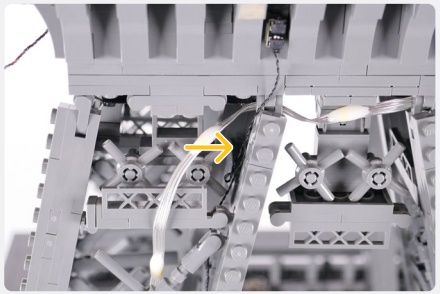
Adhesive Square











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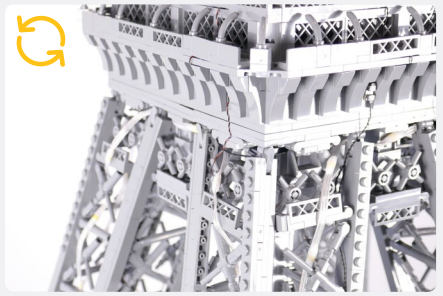
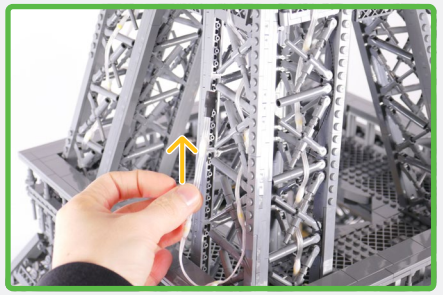
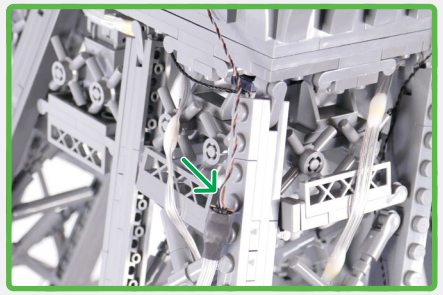
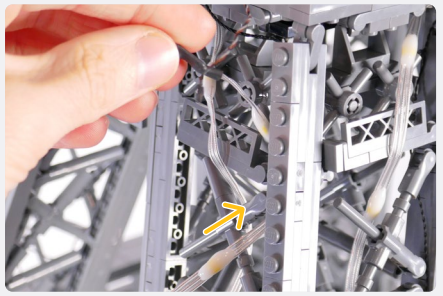


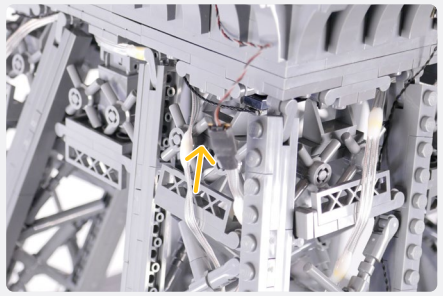
NOTE

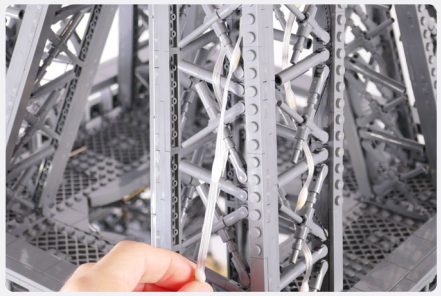
Connect the String Light cable from Step 46 into the String Light from Step 22.

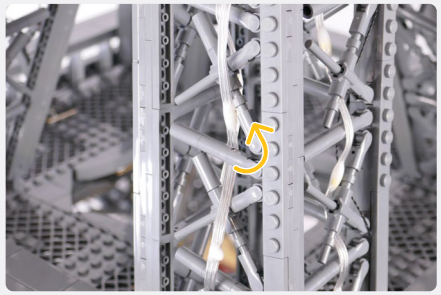
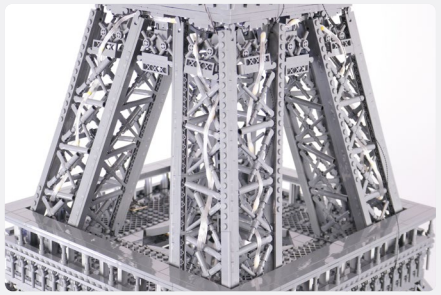
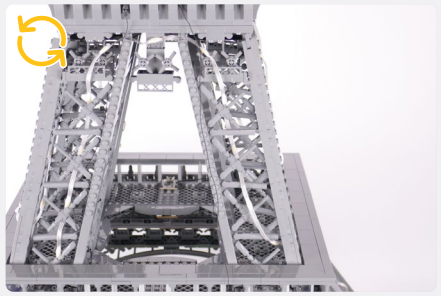
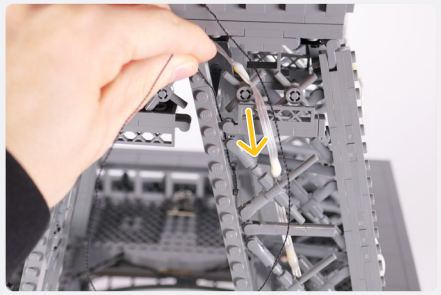
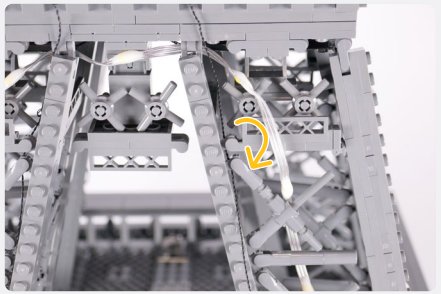


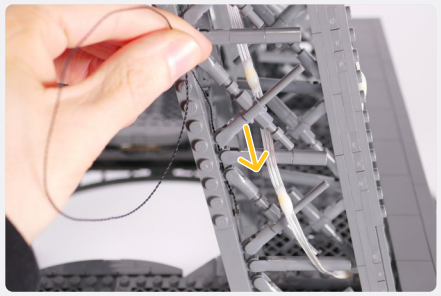


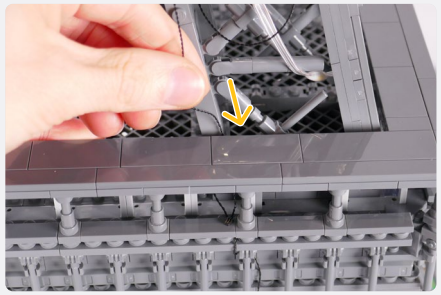
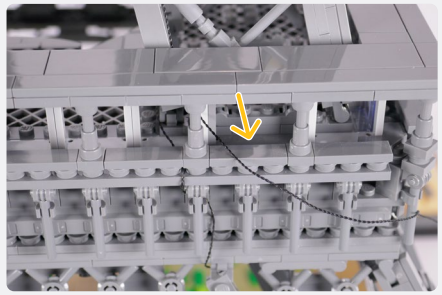
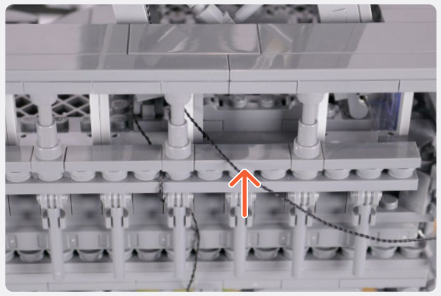


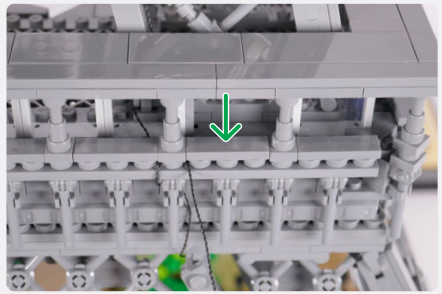








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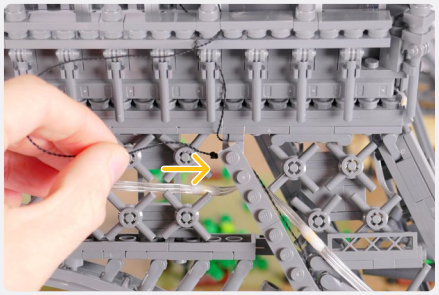
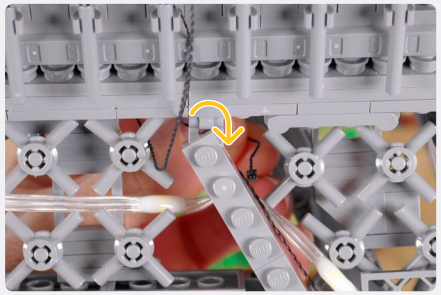
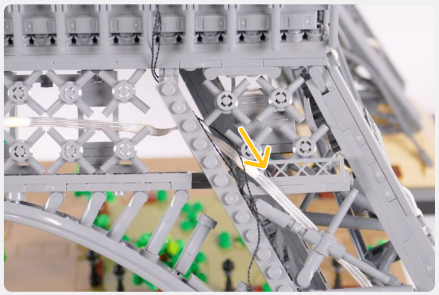
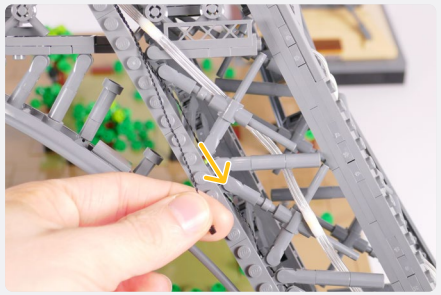
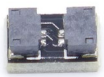


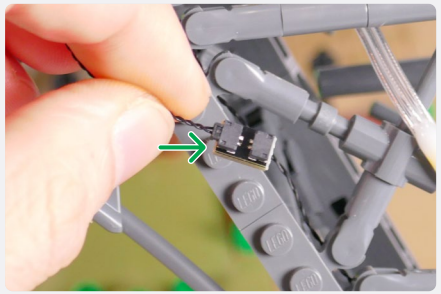




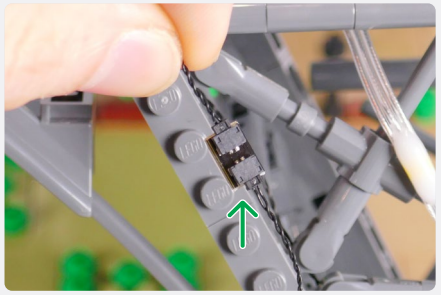


2-Port Expansion Board

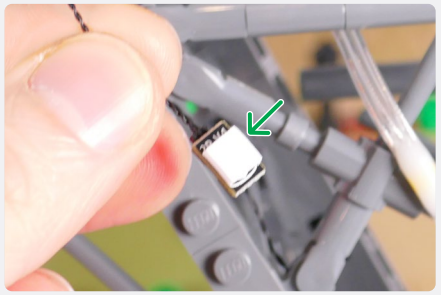


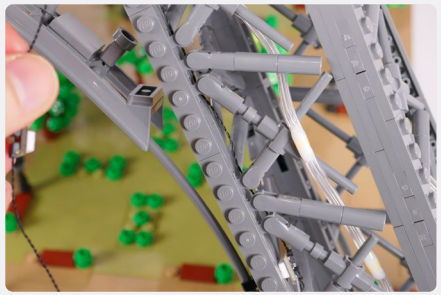


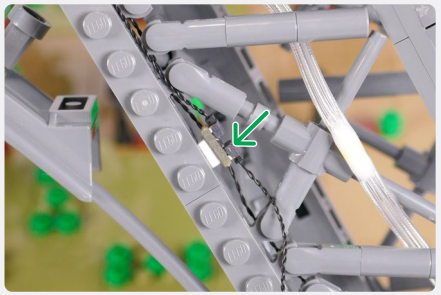
30cm Connecting Cable

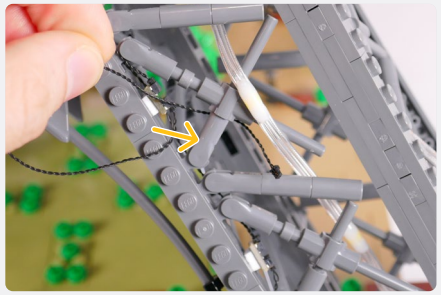


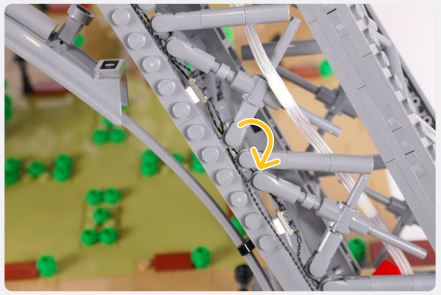
Adhesive Square











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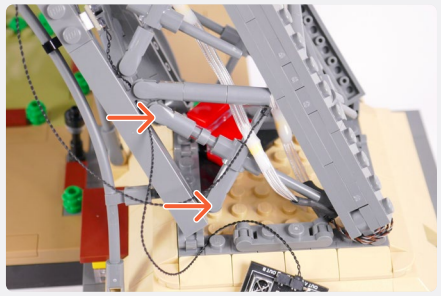
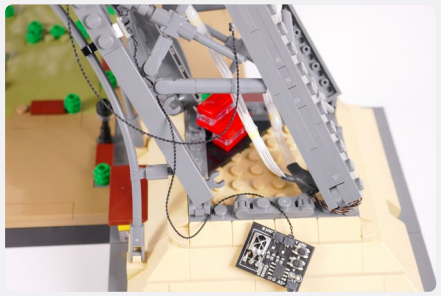
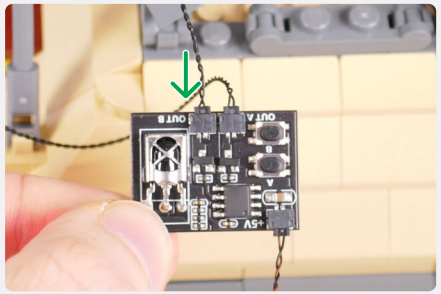
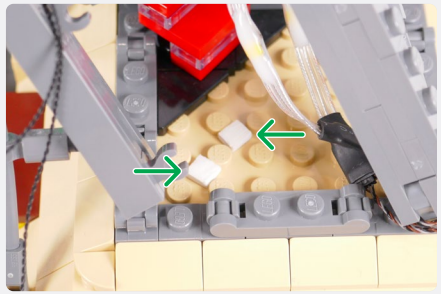
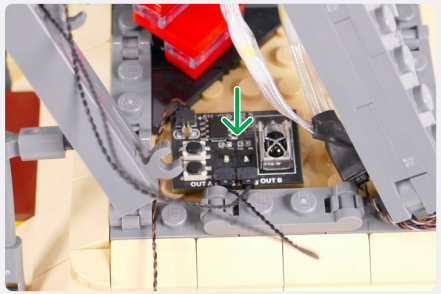





2x Adhesive Square

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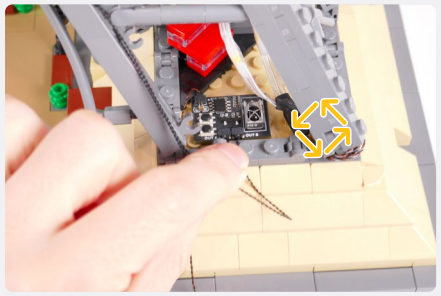
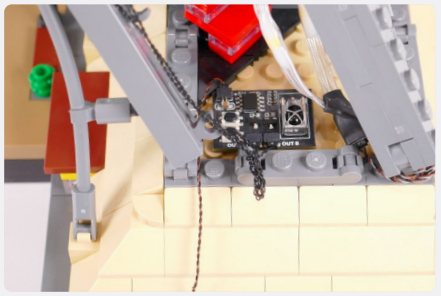

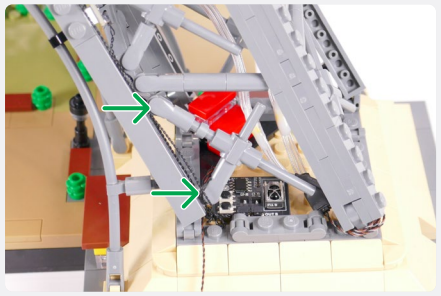
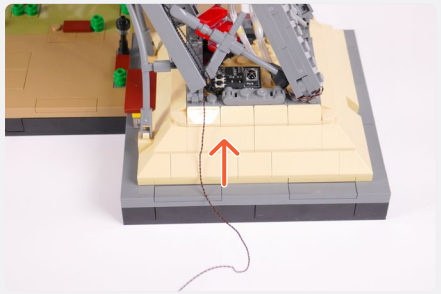
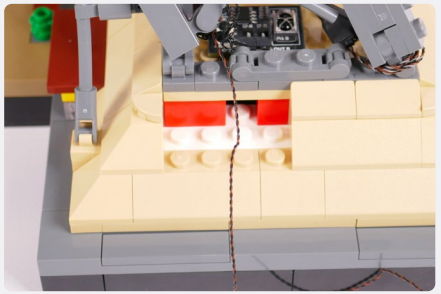

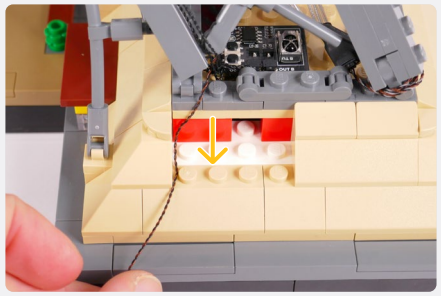
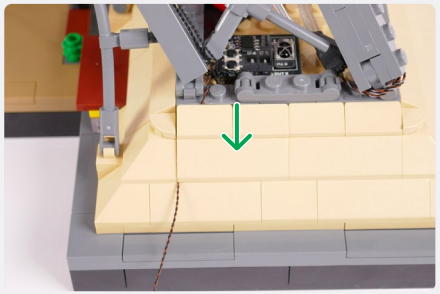
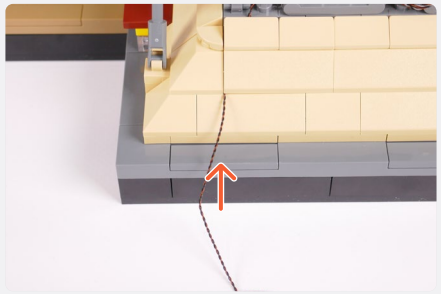
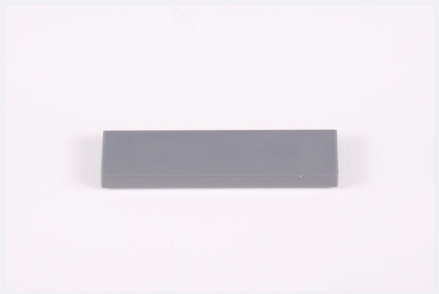
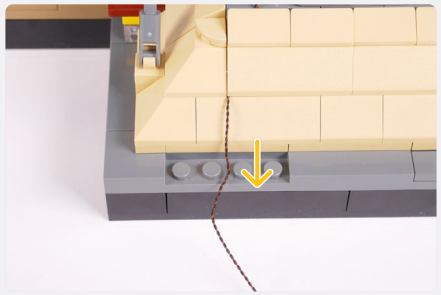
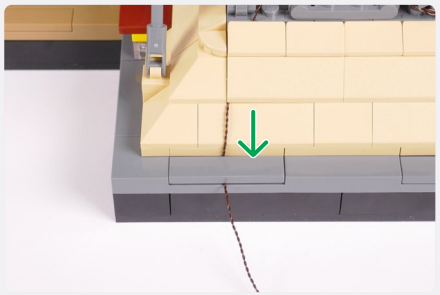
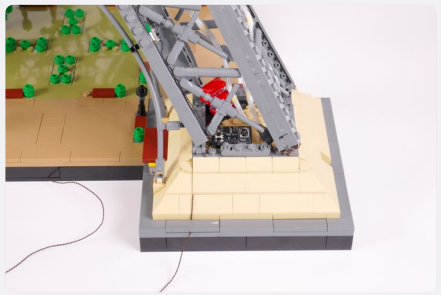

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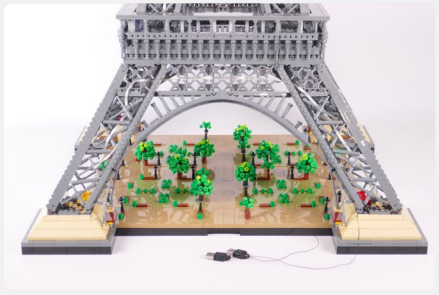
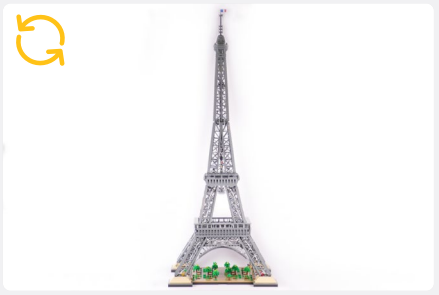
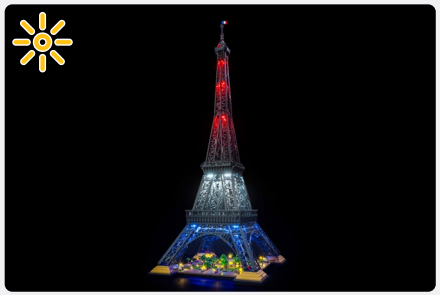



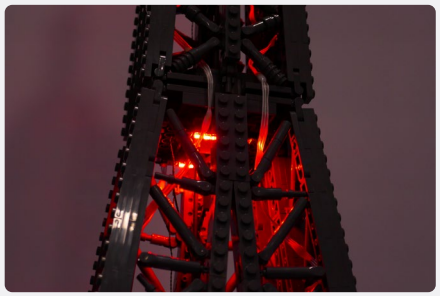
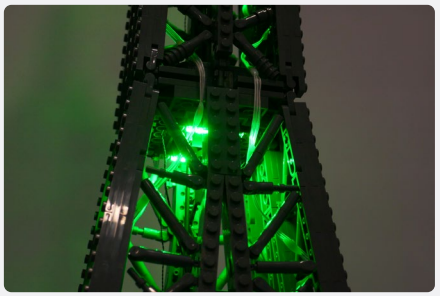
NOTE

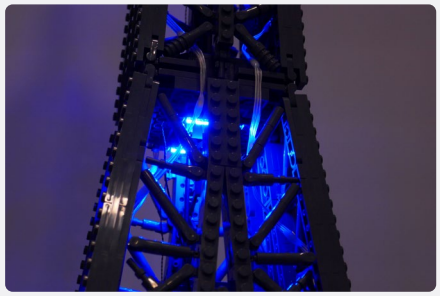
Connect to a 5V USB Wall Adaptor (sold separately). A power bank or battery pack is not recommended to power this set.

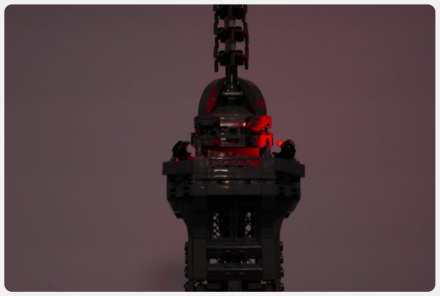


NOTE

Press the R, G, and B buttons on the Remote to change the Strip Lights and RGB Bit Lights to Red, Green, and Blue to test if they are working.

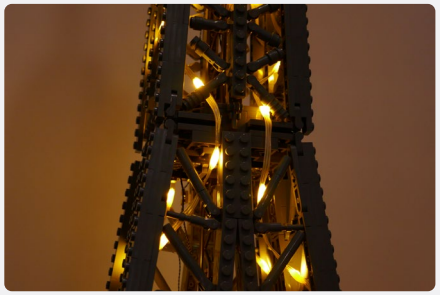







NOTE

Swap to the Sparkle Mode by pressing the ON and OFF buttons on the remote to test if the String Lights are working.



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

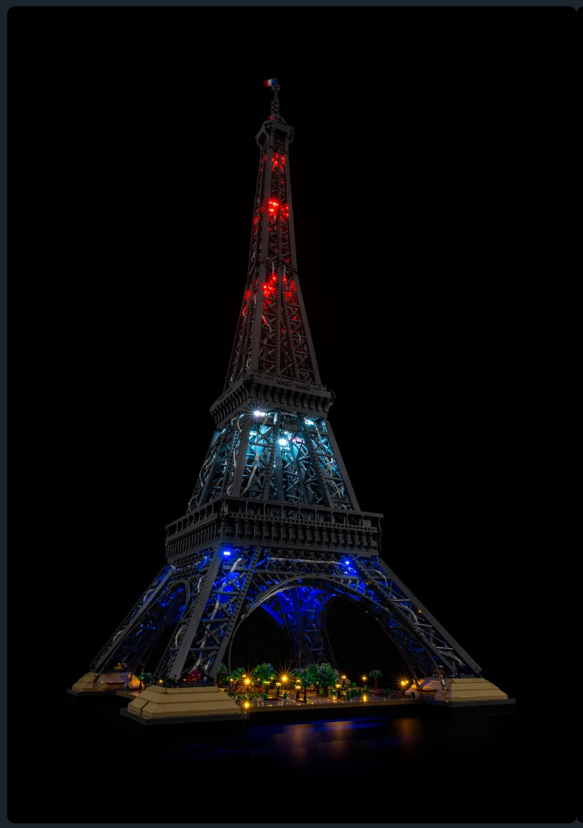
You should have these parts left over that were removed from the LEGO set.

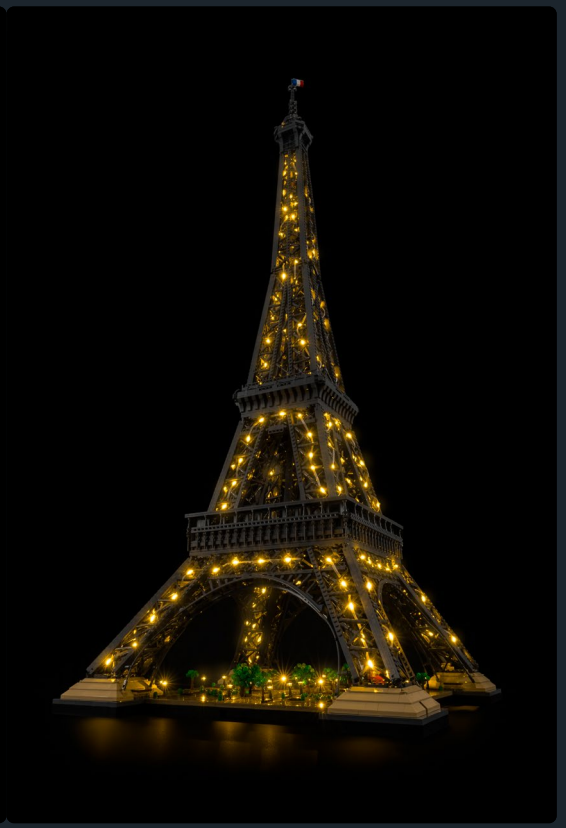
Removed Pieces

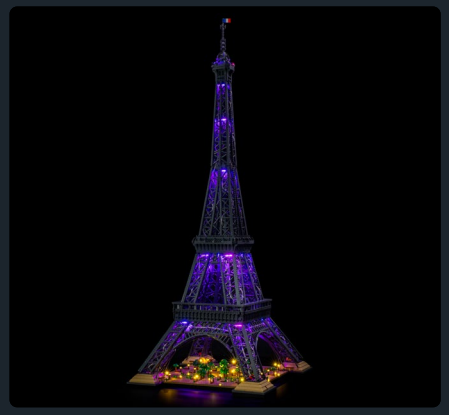
FINAL PRODUCT

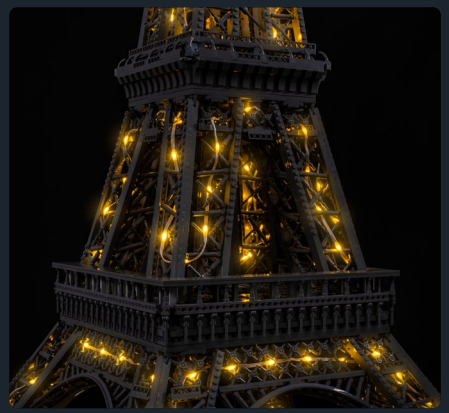
This finally completes installation of the Light My Bricks

LEGO® Eiffel Tower 10307 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.

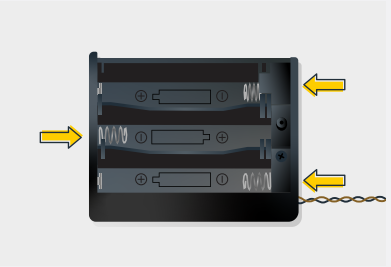
If the batteries have no power, replace the batteries.

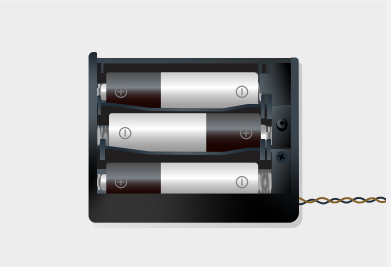
If the batteries still have power, check to see if the batteries have been inserted correctly into the battery pack.

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

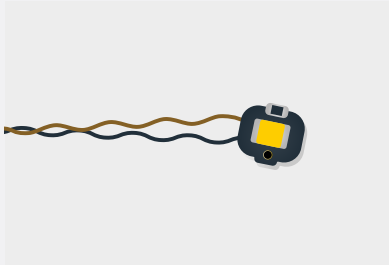
Check Your Wires

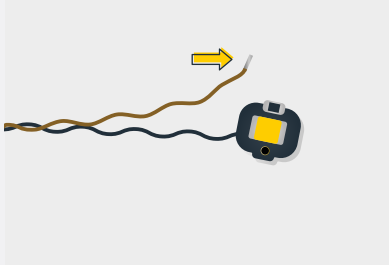
In order for Light My Bricks components to fit in between and underneath LEGO® bricks, the components need to be very small. Due to this nature, Light My Bricks components can be easily damaged when not handled correctly.

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.





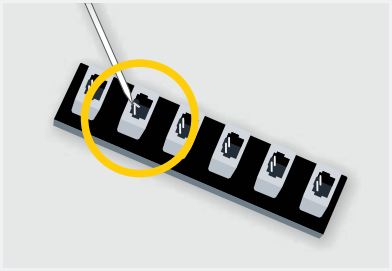
Troubleshooting

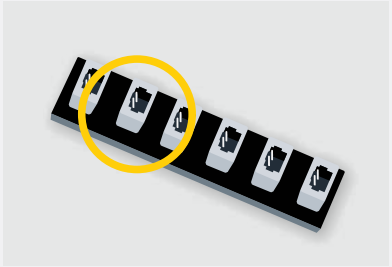
Check Your Expansion Board Ports/ Strip Light Ports / Effects Board Ports

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.

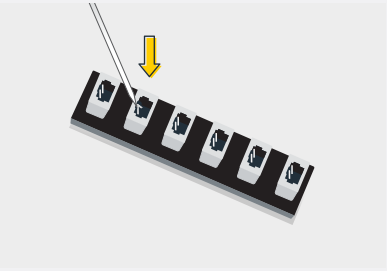




A short circuit can also result in overheating of the board, cable or batteries. If you suspect a short circuit, DISCONNECT POWER IMMEDIATELY Batteries can fail, catch fire, or even explode if left connected to a short circuit for too long.

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!

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