



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



**LEGO® PORSCHE 911  
#10295 LIGHT KIT  
INSTALLATION GUIDE**

# Light My Bricks



## LEGO® PORSCHE 911 #10295 LIGHT KIT INSTALLATION GUIDE

Hi There!

We're here to help you get started on the LEGO®  
Porsche 911 (10295) Light Kit.

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

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

Have fun and enjoy!



## PACKAGE CONTENTS:



- 4 x White 30cm Bit Lights
- 3 x White 15cm Bit Lights
- 2 x Warm White Large 30cm Bit Lights
- 2 x Warm White 30cm Headlight



- 1 x 6-Port Expansion Boards
- 1 x 8-Port Expansion Boards
- 2 x Adhesive Squares



- 1 x NC Push Board



- 1 x 15cm Connecting Cables
- 1 x 30cm Connecting Cables



- 1 x USB Power Cable  
(Power Source not Included)

## LEGO PIECES:



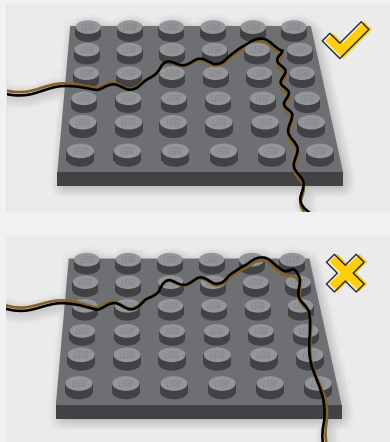
- 1 x Trans Clear Plate 2x2 w/ Rounded Bottom
- 1 x Trans Clear 1x1 Round Plate
- 1 x Dark Bluish Grey 1x2 Tile
- 1 x Black 2x6 Plate
- 2 x Black Brick 1x1 Modified w/ Stud on One Side

## Contents

Before You Begin	5
Instructions	8
Final Product	25
Troubleshooting	26
Contact	32



## Before You Begin



### Laying cables in between and underneath bricks

Cables can fit in between and underneath LEGO® bricks, plates, and tiles providing they are laid correctly between the LEGO® studs. Do NOT forcefully join LEGO® together around cables; instead ensure they are laying comfortably in between each stud.

*CAUTION: Forcing LEGO® to connect over a cable can result in damaging the cable and light.*

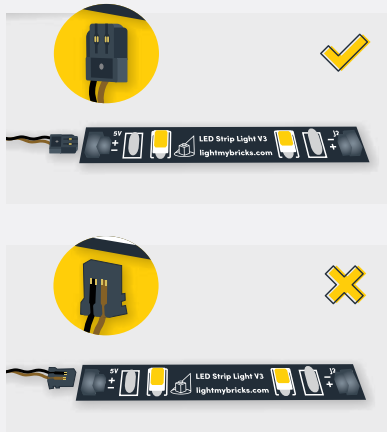


### Connecting Cable Connectors To Expansion Boards

Take extra care when inserting connectors to ports of Expansion Boards. Connectors can be inserted only one way. With the expansion board facing up, look for the soldered “=” symbol on the left side of the port. The connector side with the wires exposed should be facing toward the soldered “=” symbol as you insert into the port. If a plug won’t fit easily into a port connector, do not force it.

*Incorrectly inserting the connector can result in bent pins inside the port or possible overheating of the expansion board when connected.*

## Before You Begin



### Connecting Cable Connectors To Strip Lights

Take extra care when inserting connectors to ports on the Strip Lights. Connectors can be inserted only one way. With the Strip Light facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, don't force it. Doing so will damage the plug and the connector.



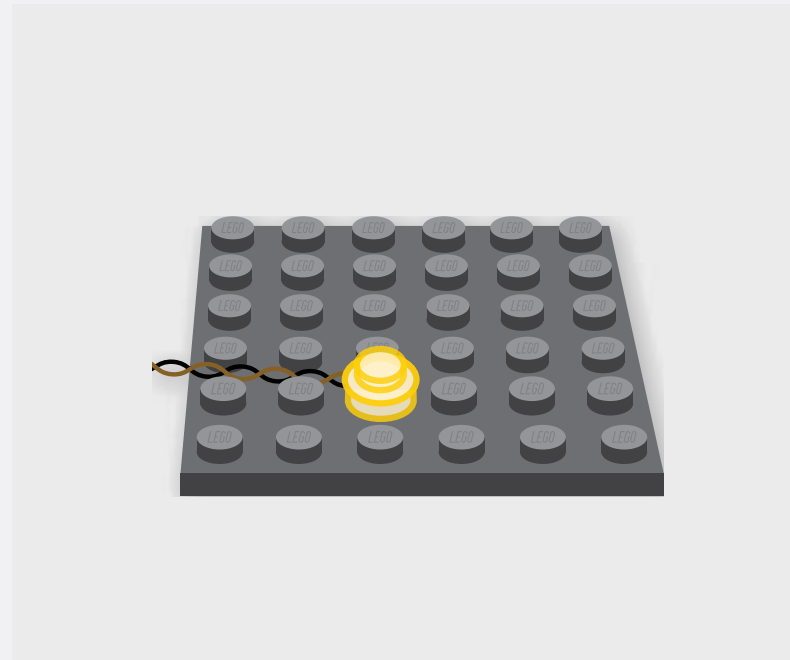
### Connecting Micro Cable Connectors To Micro Expansion Board Ports

Take extra care when inserting the micro connectors to micro ports of Micro Expansion Boards. Connecting Micro Bit Lights to Micro Expansion Boards is similar to connecting lights and cables to Strip Lights. With the expansion board facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, do not force it. Use your fingernail to push the plastic part of the connector to the micro port.

## Before You Begin

### Installing Bit Lights Under Lego® Bricks And Plates

When installing Bit Lights under LEGO® pieces, ensure they are placed the correct way up (Yellow LED component exposed). You can either place them directly on top of LEGO® studs or in between.

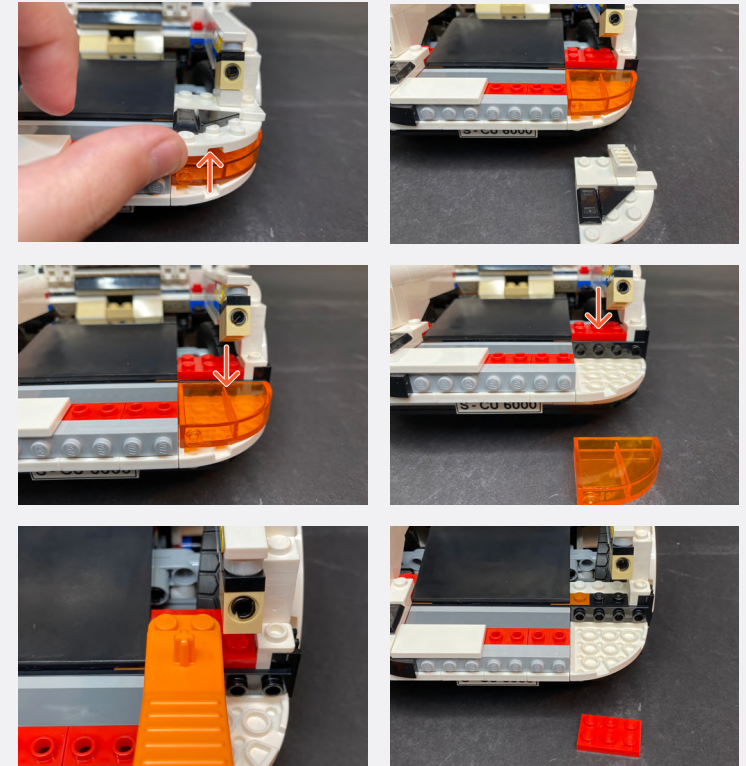
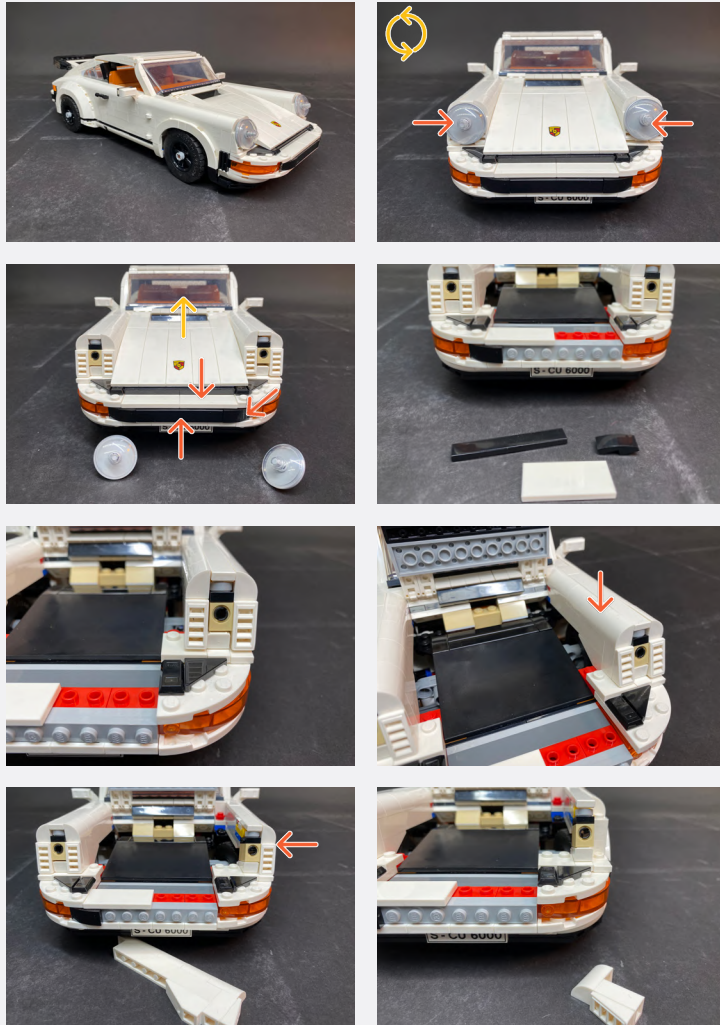




## INSTRUCTIONS

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

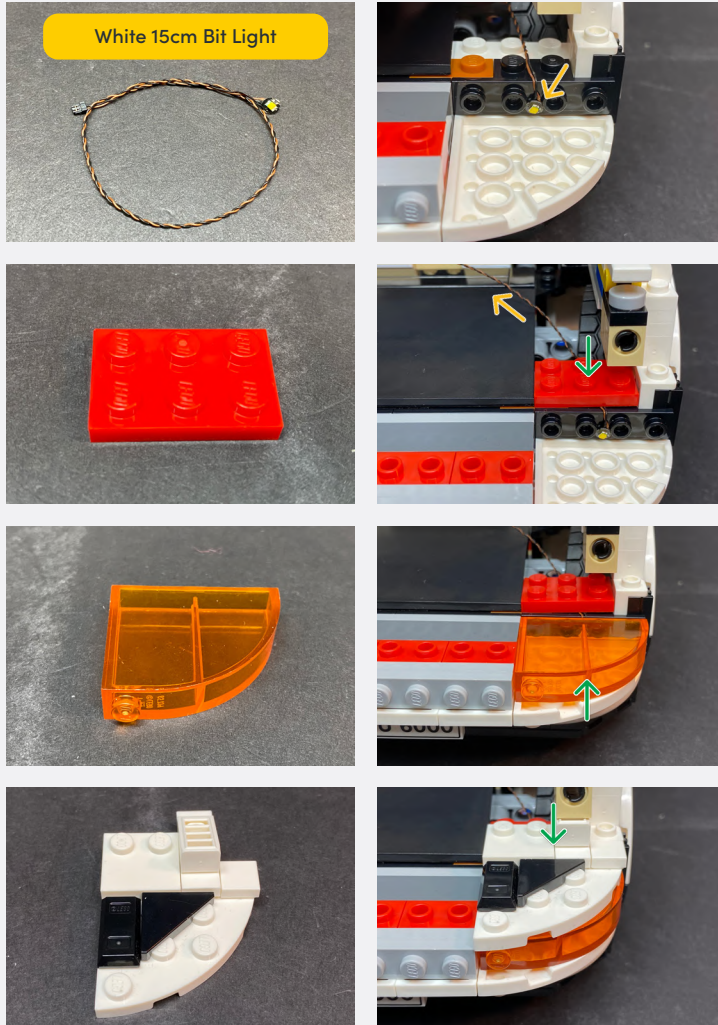
1



**Legend**    → DISCONNECT    → CONNECT / RECONNECT    ↻ TURN / FLIP    → DIRECTIONAL    ↻ TWIST / BRAID    ✨ POWER ON TEST    📝 NOTE ICON



**2**

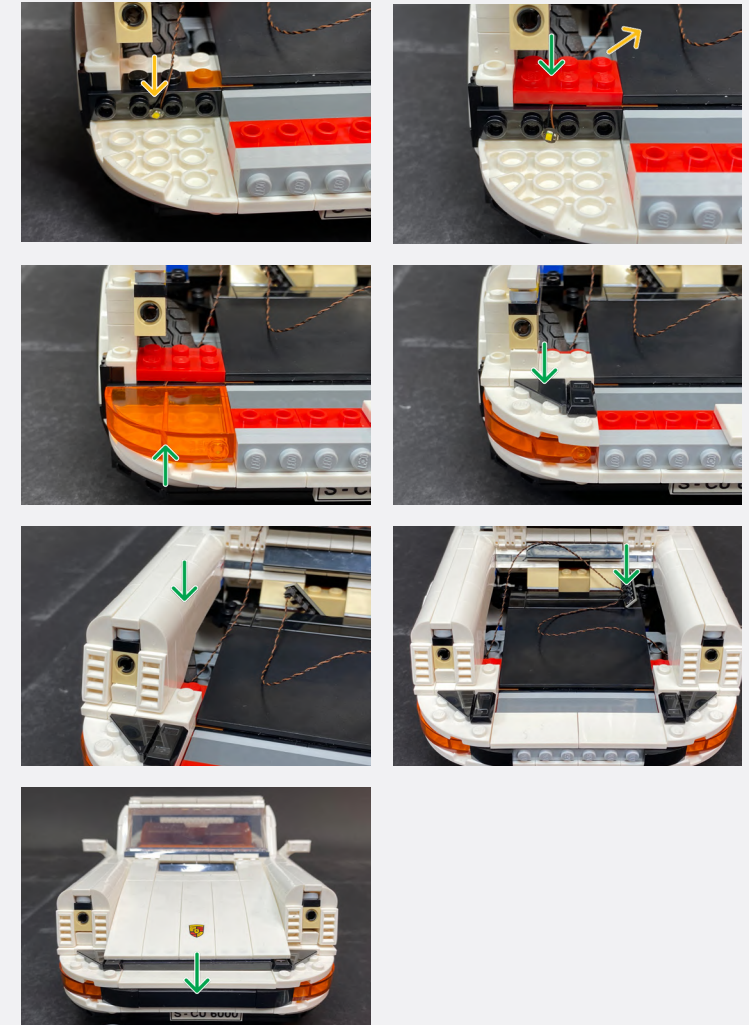
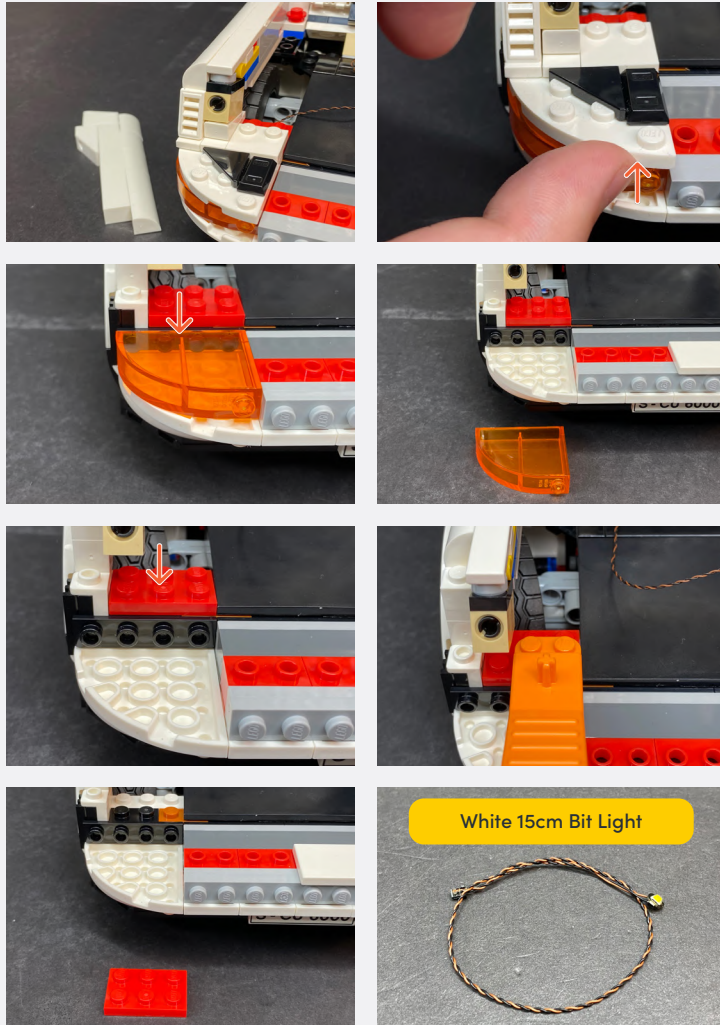


**3**



**Legend**

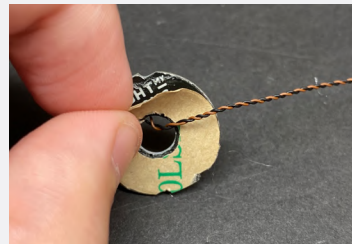
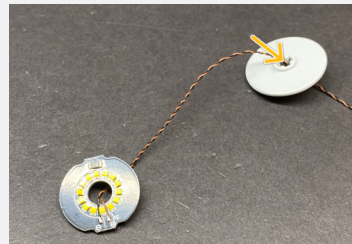
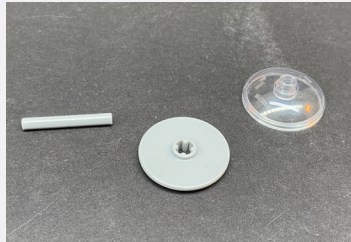
- DISCONNECT
- CONNECT / RECONNECT
- ↻ TURN / FLIP
- DIRECTIONAL
- ↻↻ TWIST / BRAID
- ✳ POWER ON TEST
- 📝 NOTE ICON




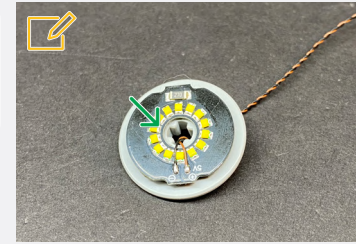
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**4**



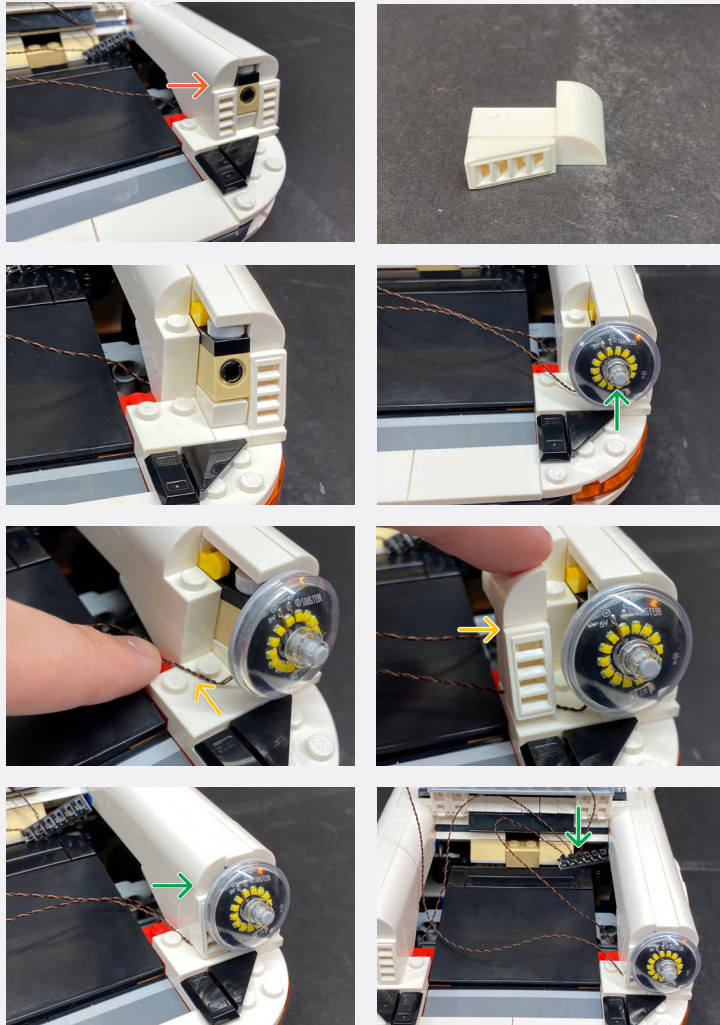
 Mount the headlight to the disc using the headlight's adhesive backing



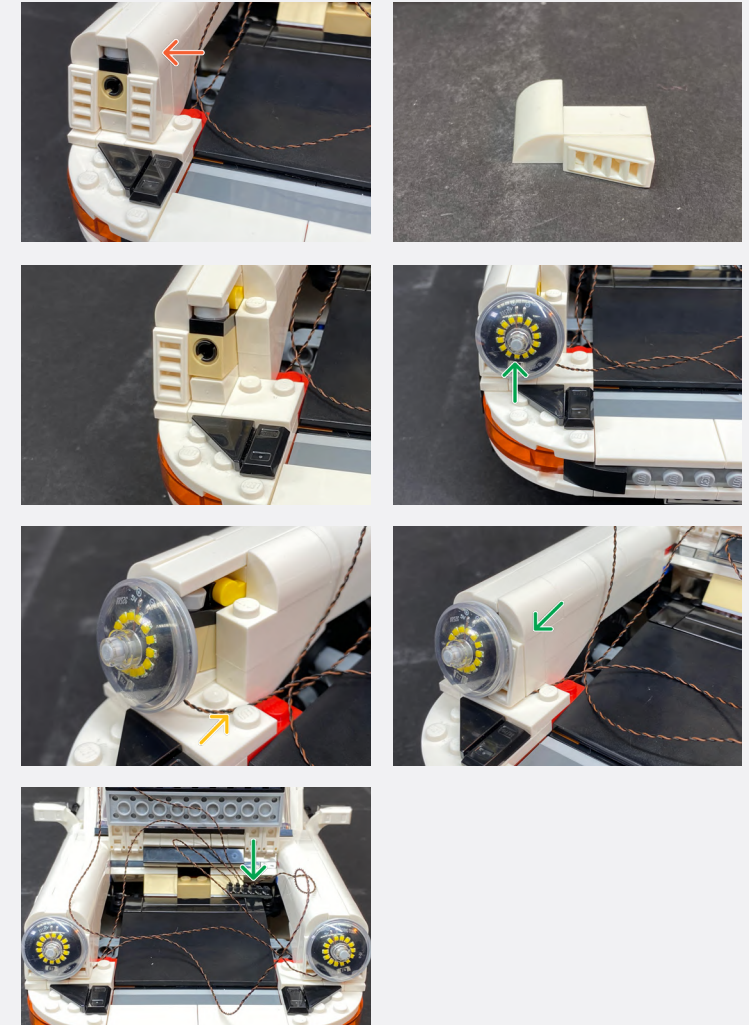
**Legend**    DISCONNECT    CONNECT / RECONNECT    TURN / FLIP    DIRECTIONAL    TWIST / BRAID    POWER ON TEST    NOTE ICON



5



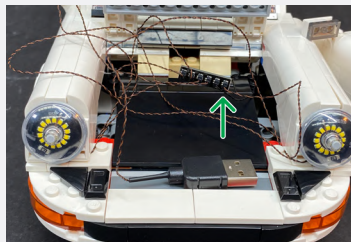
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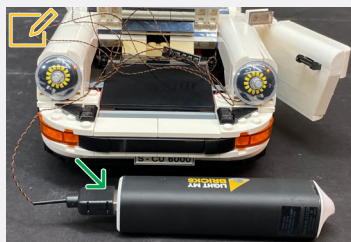
Legend

- DISCONNECT
- CONNECT / RECONNECT
- ↻ TURN / FLIP
- DIRECTIONAL
- ↻↻ TWIST / BRAID
- ✳ POWER ON TEST
- 📝 NOTE ICON

📌 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.

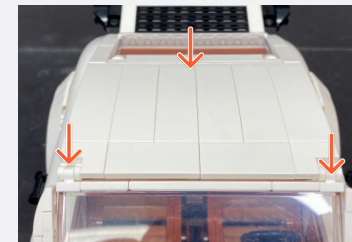
**7**
**USB Power Cable**


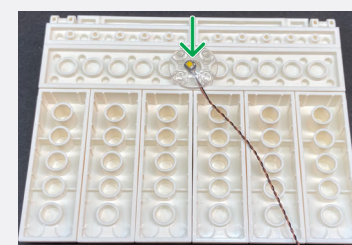
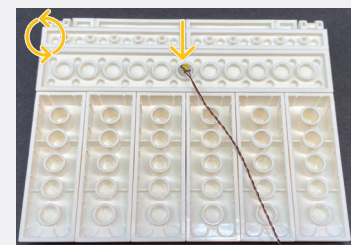
📌 Connect to a USB Power Bank, USB to AA Battery Pack or USB Wall Adaptor (each sold separately)



If you have built the Targa version, please click [here](#) to skip to page 27.

If you have built the Turbo version, please continue to the next step.

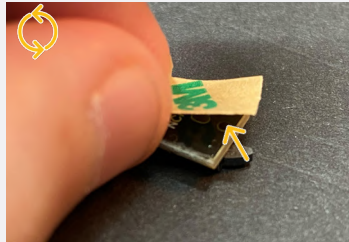
**8**

**Trans Clear Plate 2x2 w/ Rounded Bottom**

**White 15cm Bit Light**

**Legend**

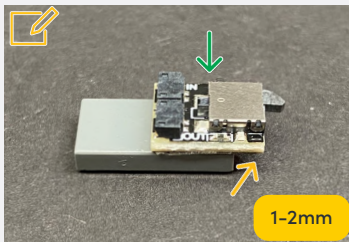
- DISCONNECT
- CONNECT / RECONNECT
- ↻ TURN / FLIP
- DIRECTIONAL
- ↻↻ TWIST / BRAID
- ☀ POWER ON TEST
- 📌 NOTE ICON



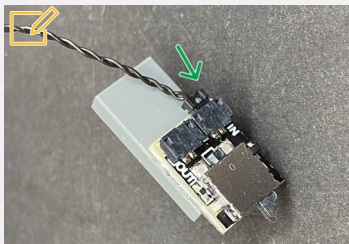
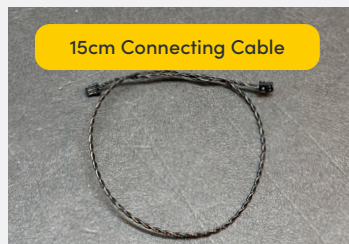
9



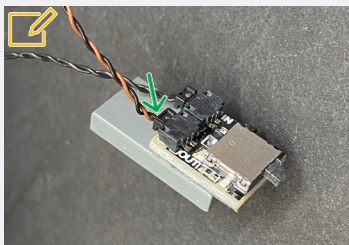
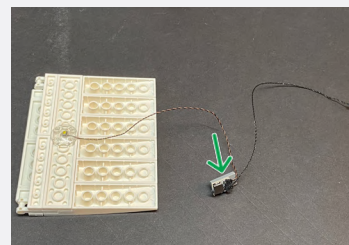
Mount the NC Push Board ensuring there is 1-2mm of overhang to the trigger side.



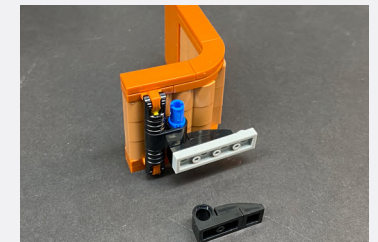
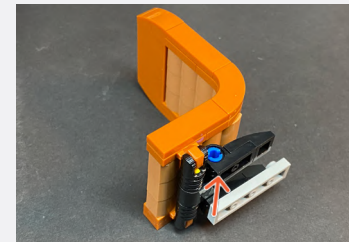
Connect the 15cm Connecting Cable to the 'IN' port of the NC Push Board



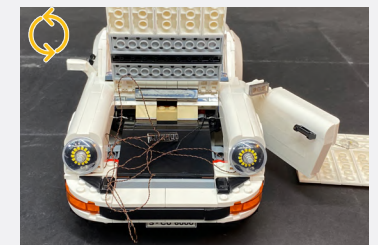
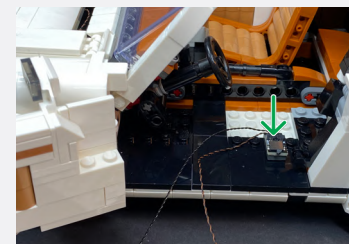
Connect the White 15cm Bit Light to the 'OUT' port of the NC Push Board



10



11



Legend

- DISCONNECT
- CONNECT / RECONNECT
- TURN / FLIP
- DIRECTIONAL
- TWIST / BRAID
- POWER ON TEST
- NOTE ICON



📌 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.

**12**



📌 Pull the Bit Light Cable up behind the driver seat

**13**



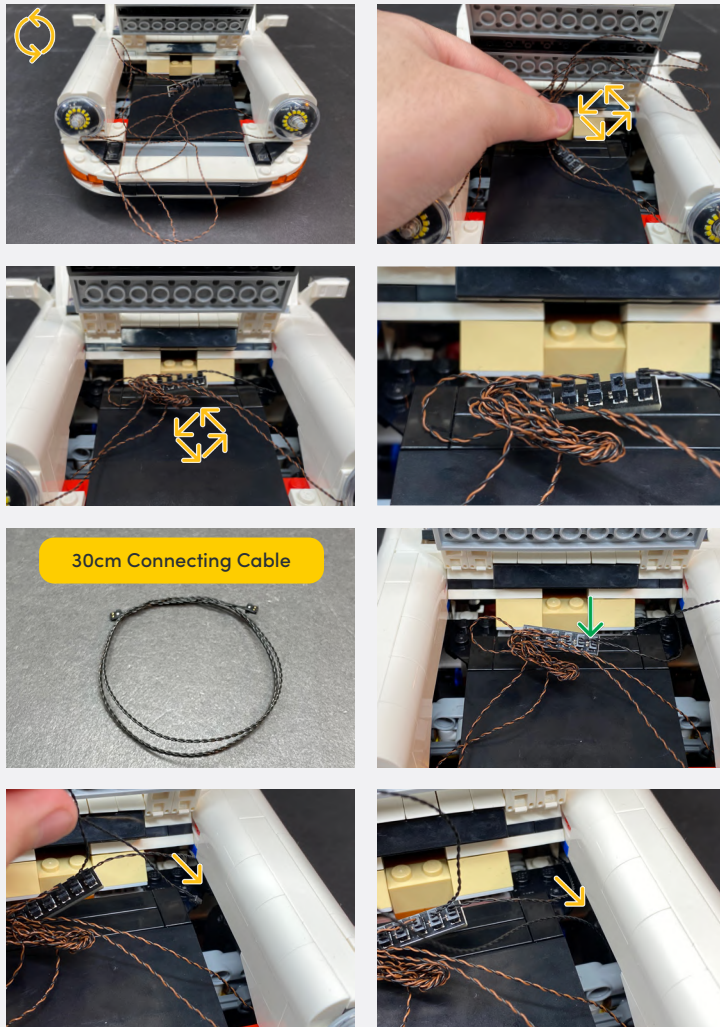
📌 The interior light should activate when the door is opened and deactivate when the door is closed.

You may need to adjust the position of the NC Push Board to ensure the door pushes the trigger when closed

**Legend**

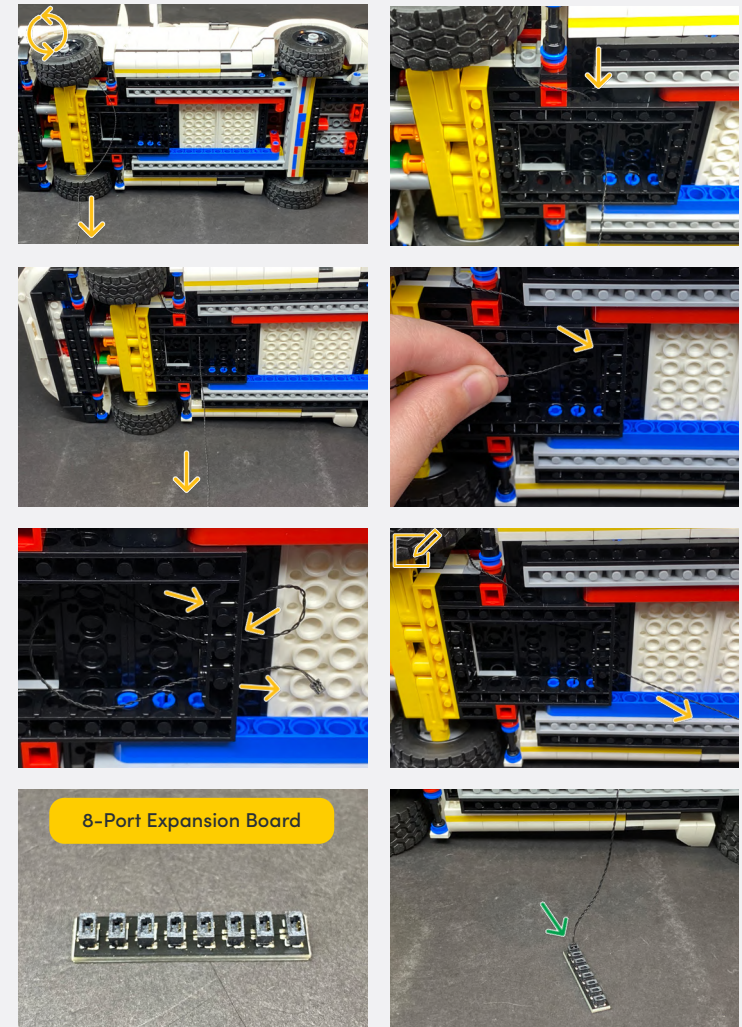
- ➔ DISCONNECT
- ➞ CONNECT / RECONNECT
- ↻ TURN / FLIP
- ➞ DIRECTIONAL
- ↻ TWIST / BRAID
- ☀ POWER ON TEST
- 📌 NOTE ICON

14



30cm Connecting Cable

☞ Pull the wire towards the back of the car to secure the wire and ensure it does not dangle

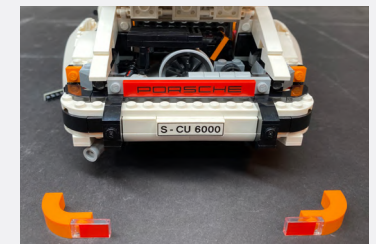
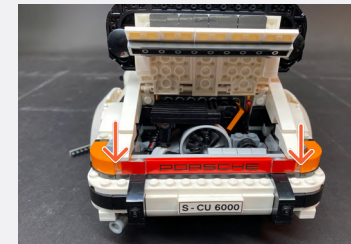
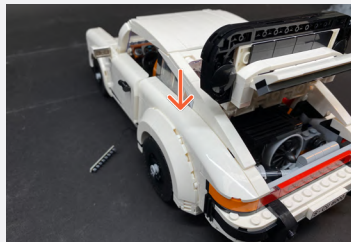
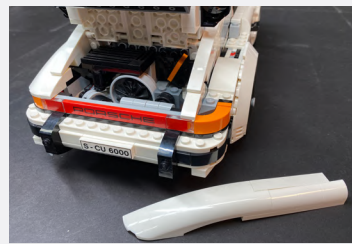
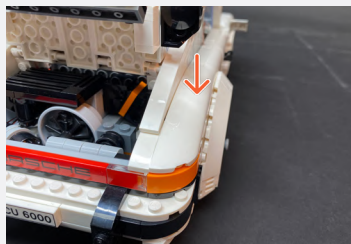
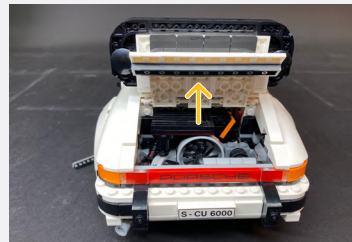
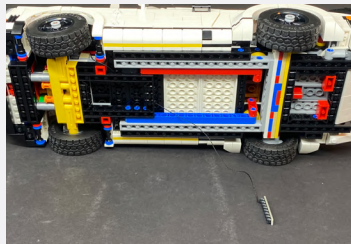


8-Port Expansion Board

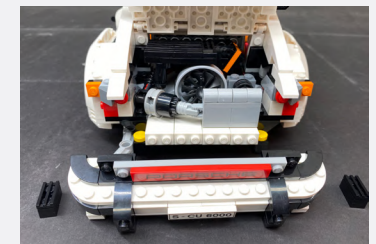
**Legend** → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ↻ TWIST / BRAID \* POWER ON TEST 📌 NOTE ICON



15



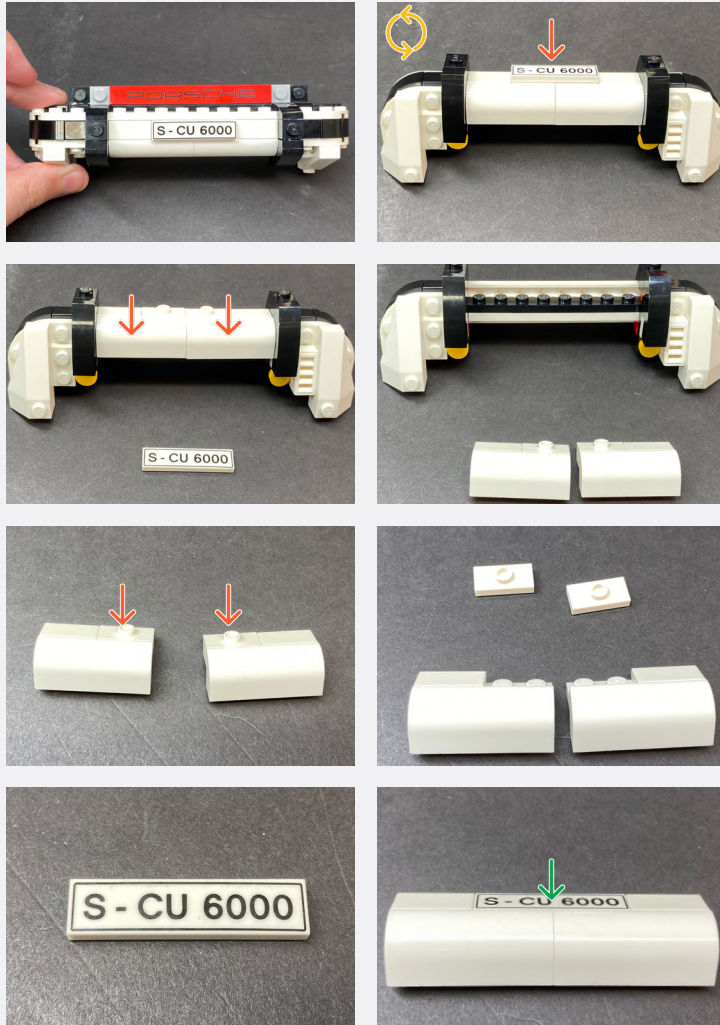
To remove the bumper section, pull the 2 sides outwards simultaneously as shown



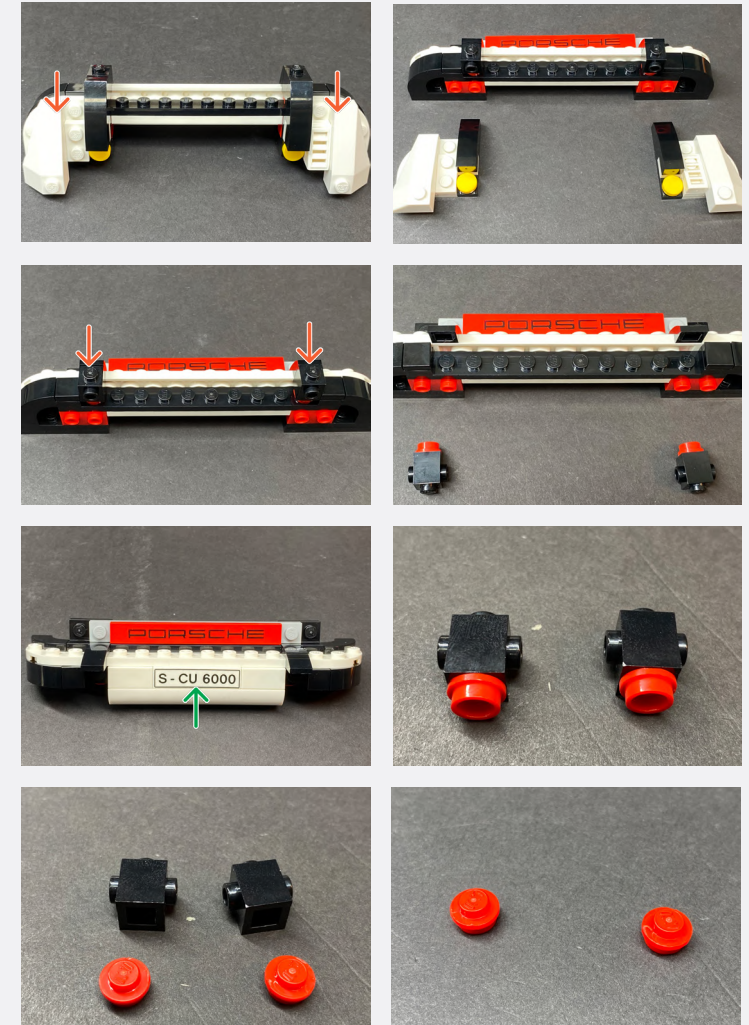
Legend

- DISCONNECT
- CONNECT / RECONNECT
- ↻ TURN / FLIP
- DIRECTIONAL
- ↻↻ TWIST / BRAID
- ✳ POWER ON TEST
- 📝 NOTE ICON

**16**



**17**



**Legend**

-  DISCONNECT
-  CONNECT / RECONNECT
-  TURN / FLIP
-  DIRECTIONAL
-  TWIST / BRAID
-  POWER ON TEST
-  NOTE ICON



# 18

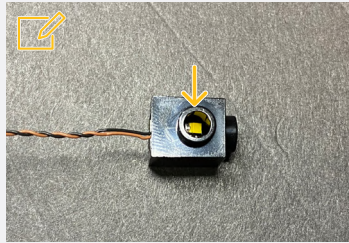
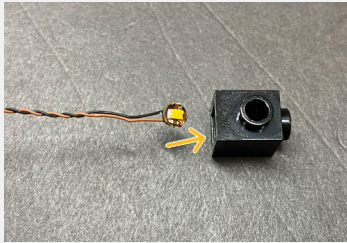
Black Brick 1x1 Modified w/  
Stud on One Side



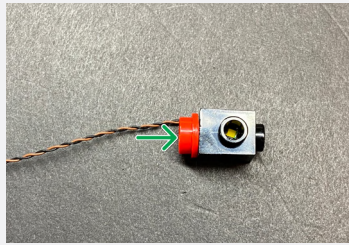
White 30cm Bit Light



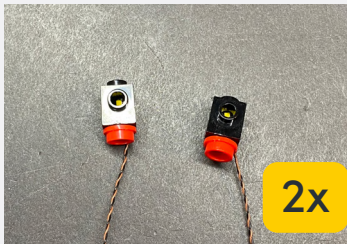
☑ Ensure the LED is positioned so that it shines out through the open stud



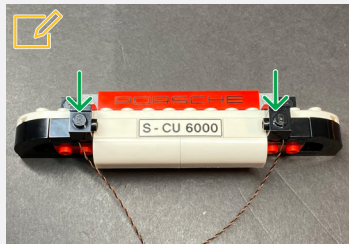
☑ Use the red stud you removed in the previous step to secure the bit light



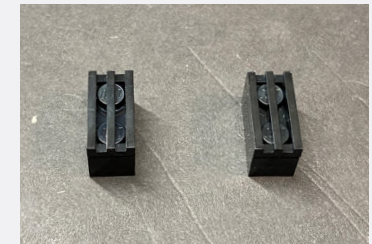
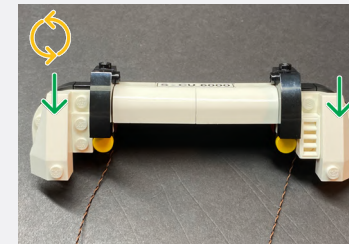
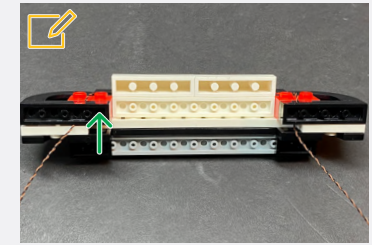
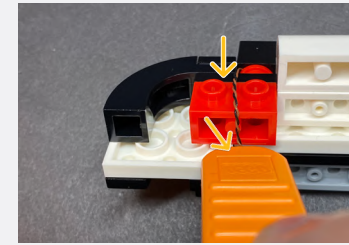
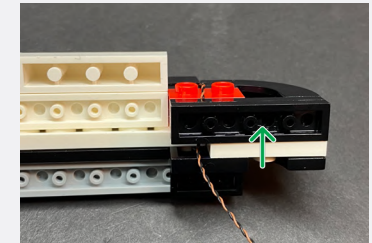
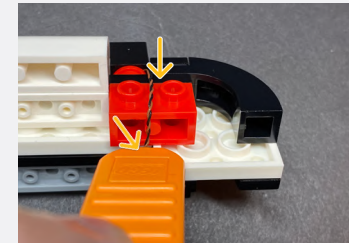
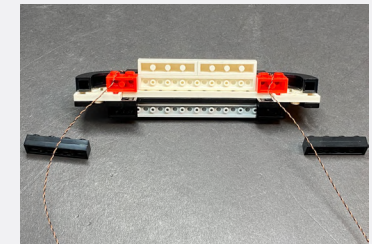
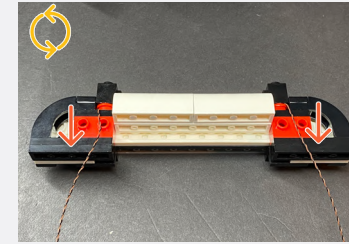
☑ Ensure the open studs are facing toward the registration plate



2x



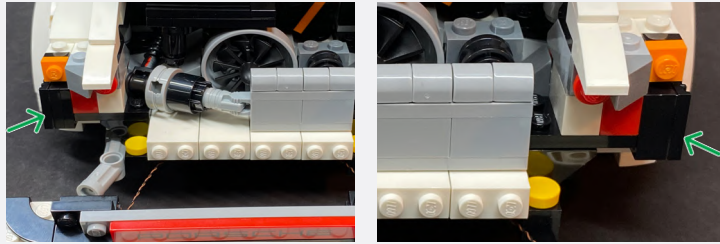
# 19



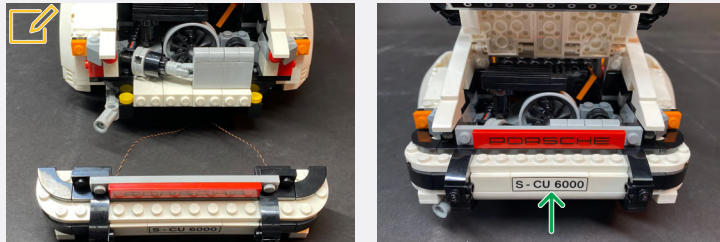
## Legend

- DISCONNECT
- CONNECT / RECONNECT
- TURN / FLIP
- DIRECTIONAL
- TWIST / BRAID
- POWER ON TEST
- NOTE ICON

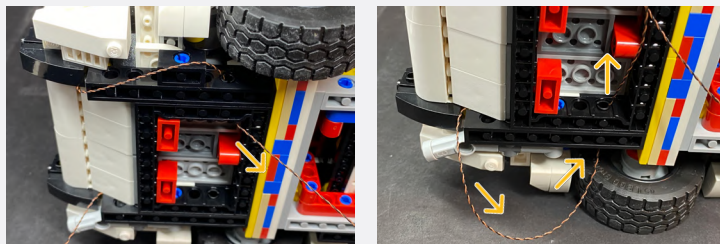
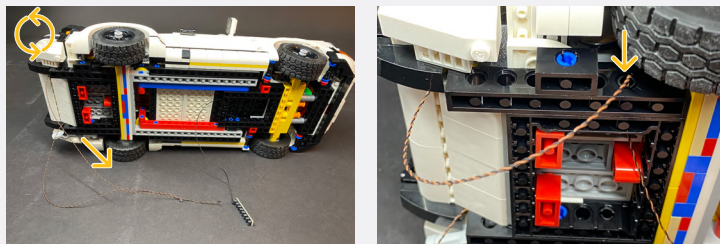




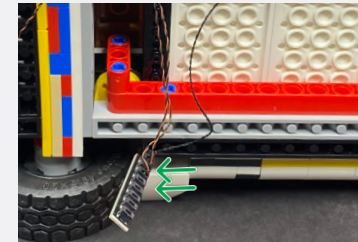
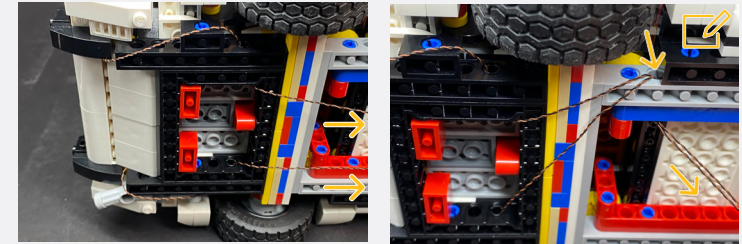
Slide the wires beneath the car so that we can connect it to the expansion board later on



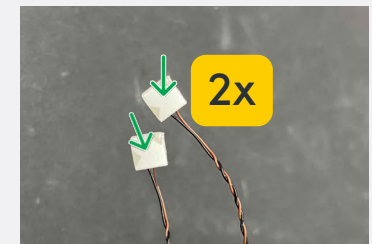
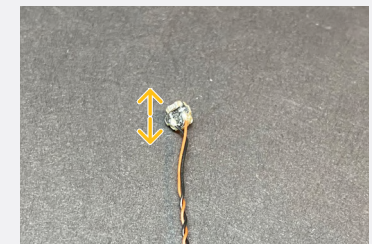
**20**



Pull both wires towards the front of the car to secure and ensure they do not dangle



**21**

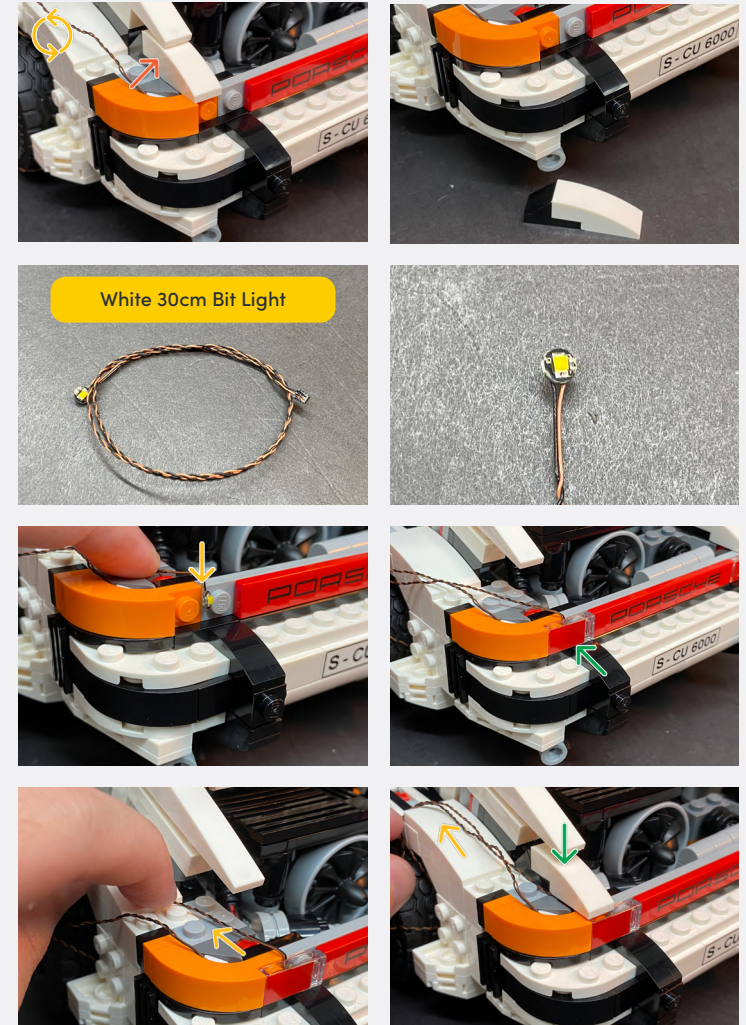


**Legend** → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ↻ TWIST / BRAID \* POWER ON TEST 📝 NOTE ICON





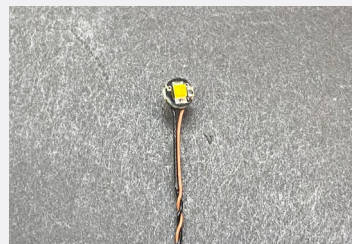
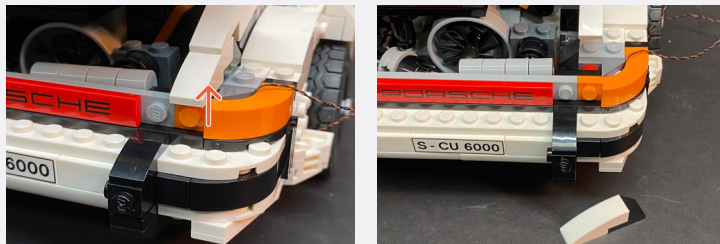
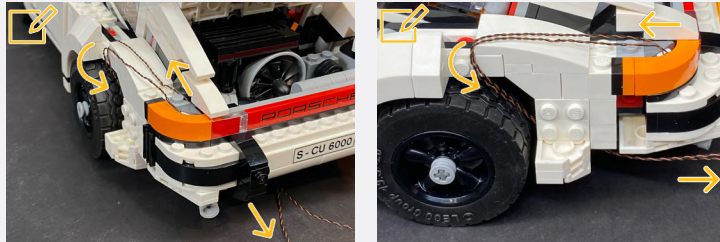
**23**



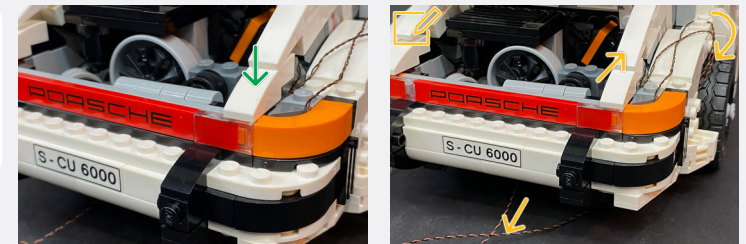
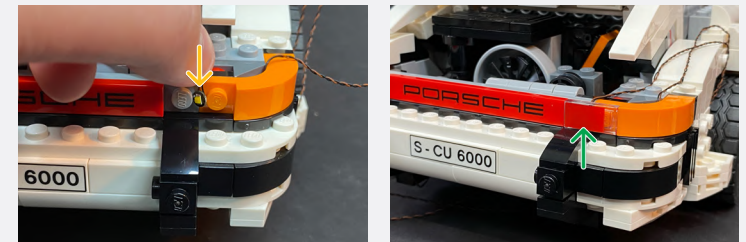
**Legend**    → DISCONNECT    → CONNECT / RECONNECT    ↻ TURN / FLIP    → DIRECTIONAL    ↻ TWIST / BRAID    ✨ POWER ON TEST    📝 NOTE ICON



Thread both cables underneath the car (over the tyre). Pull the cables out from the back



Thread both cables underneath the car (over the tyre). Pull the cables out from the back



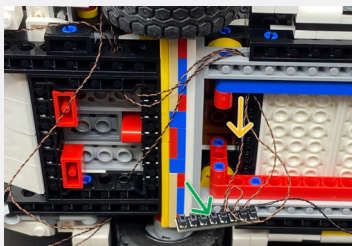
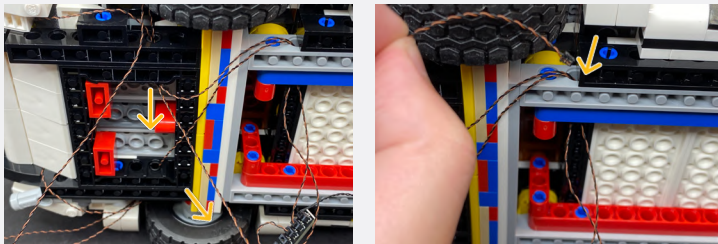
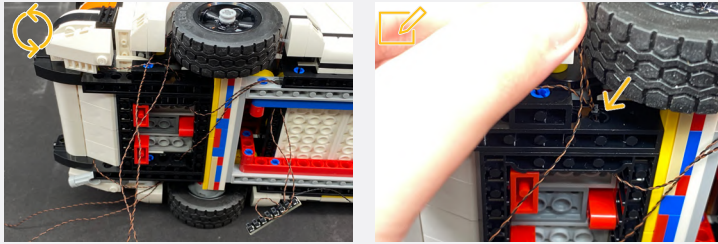
Legend

- DISCONNECT
- CONNECT / RECONNECT
- ↻ TURN / FLIP
- DIRECTIONAL
- ↻↻ TWIST / BRAID
- ✳ POWER ON TEST
- 📝 NOTE ICON



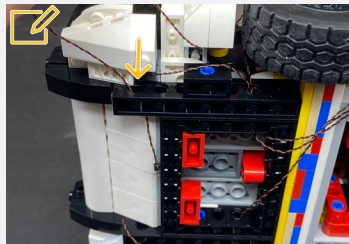
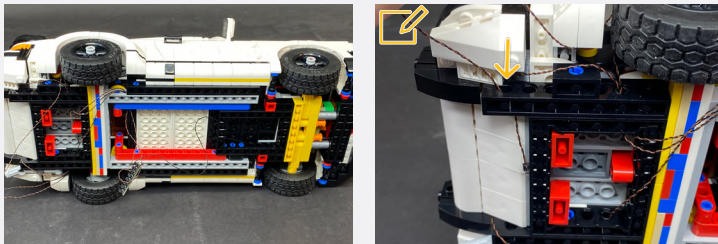
## 25

Using the shorter wire from the top side, thread it through the holes as shown



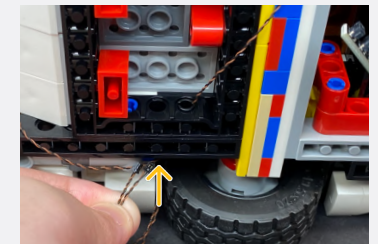
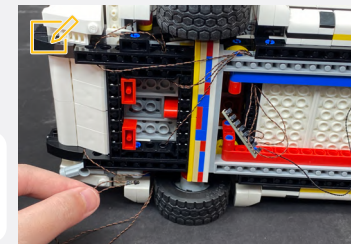
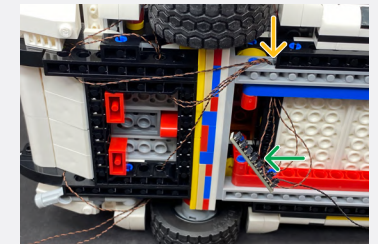
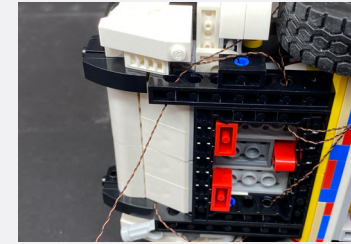
## 26

Using the longer wire from the top side, thread it through the holes as shown

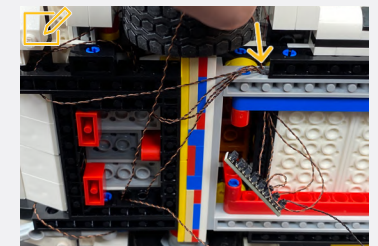


## 27

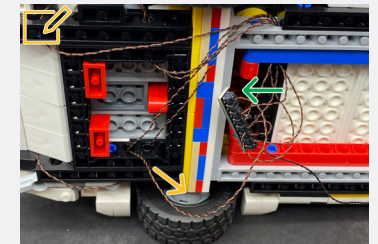
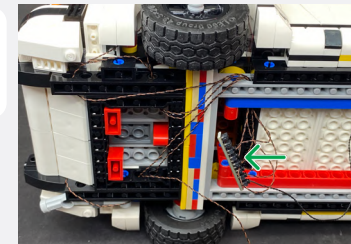
Thread both bottom wires through the first hole as shown



Thread the longer wire through the same hole as previous wires.



Connect the shorter wire directly to the expansion board.



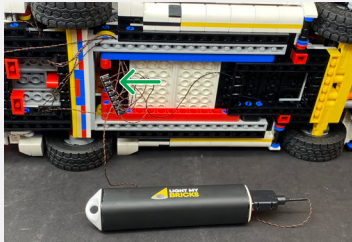
### Legend

- DISCONNECT
- CONNECT / RECONNECT
- TURN / FLIP
- DIRECTIONAL
- TWIST / BRAID
- POWER ON TEST
- NOTE ICON

📌 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.

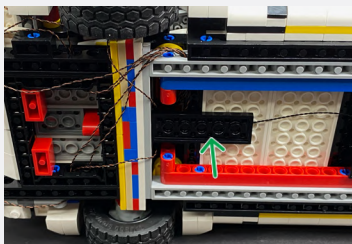
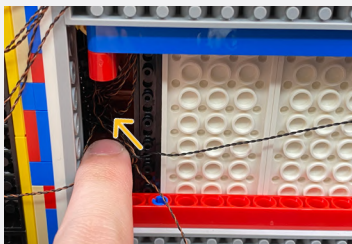
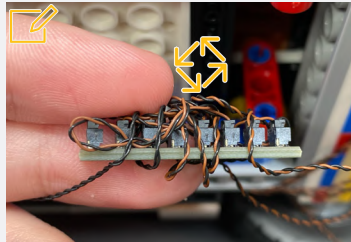
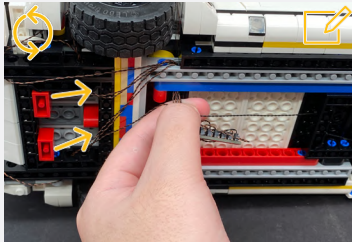
28

📌 Reconnect the USB Power Cable to the 8-Port Expansion Board



29

📌 Secure and eliminate excess cable by wrapping them around the expansion board.



30



Legend

- DISCONNECT
- CONNECT / RECONNECT
- TURN / FLIP
- DIRECTIONAL
- TWIST / BRAID
- POWER ON TEST
- NOTE ICON

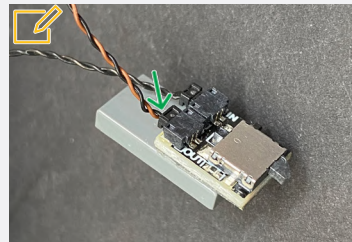
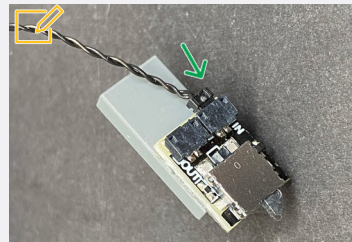
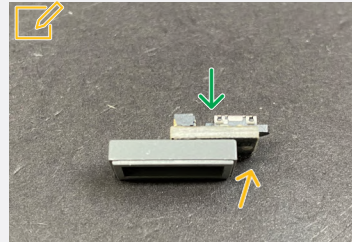
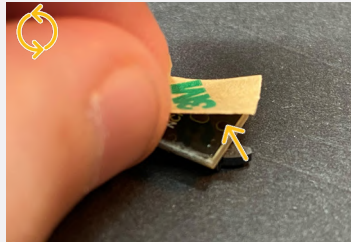
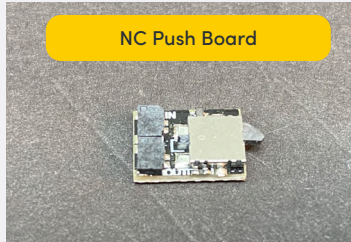


## TARGA VERSION

If you have built the Turbo version,  
please continue to the next step.



1

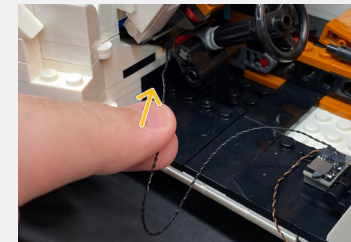
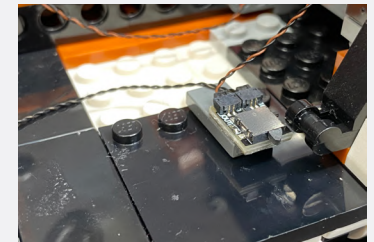
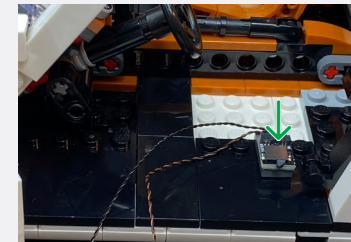
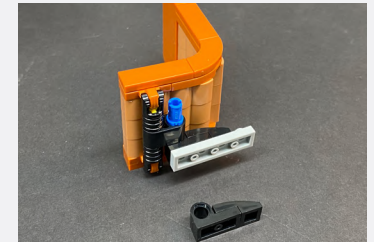
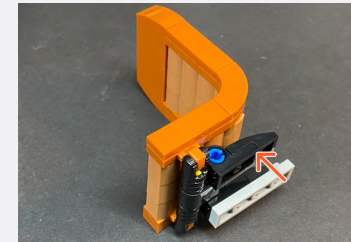


Mount the NC Push Board ensuring there is 1-2mm of overhang to the trigger side.

Connect the 15cm Connecting Cable to the 'IN' port of the NC Push Board

Connect the White 15cm Bit Light to the 'OUT' port of the NC Push Board

2



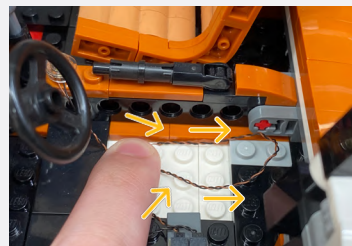
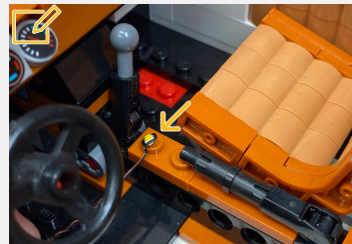
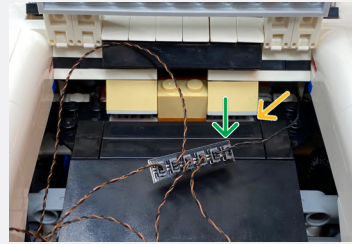
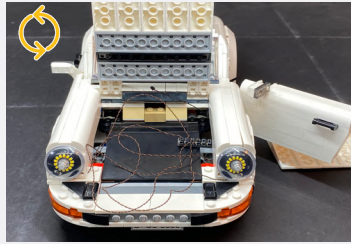
**Legend**

- DISCONNECT
- CONNECT / RECONNECT
- ↻ TURN / FLIP
- DIRECTIONAL
- ↻↻ TWIST / BRAID
- ✳ POWER ON TEST
- 📝 NOTE ICON



3

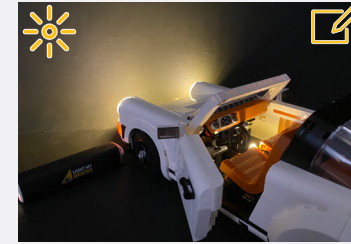
Place the Bit Light from previous step over the following stud



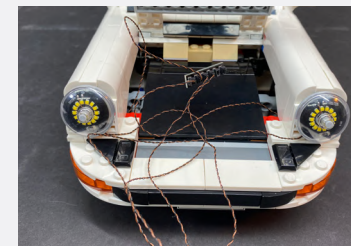
4

The interior light should activate when the door is opened and deactivate when the door is closed.

You may need to adjust the position of the NC Push Board to ensure the door pushes the trigger when closed



5

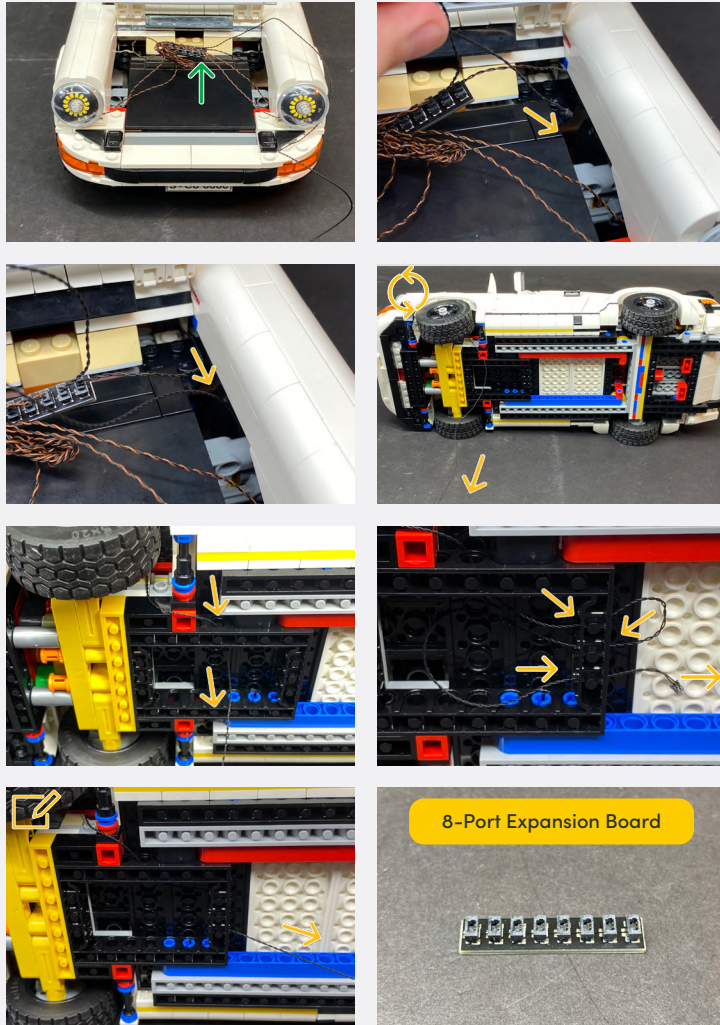



Legend

- DISCONNECT
- CONNECT / RECONNECT
- TURN / FLIP
- DIRECTIONAL
- TWIST / BRAID
- POWER ON TEST
- NOTE ICON



**6**

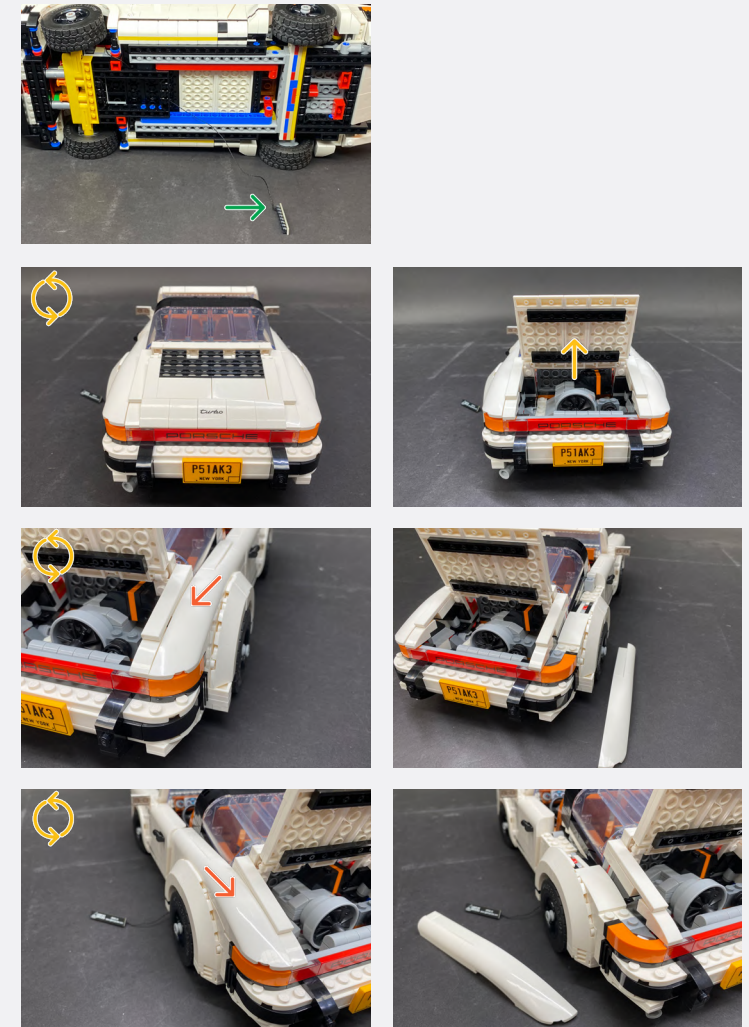


 Pull the wire towards the back of the car to secure it and ensure it does not dangle

8-Port Expansion Board



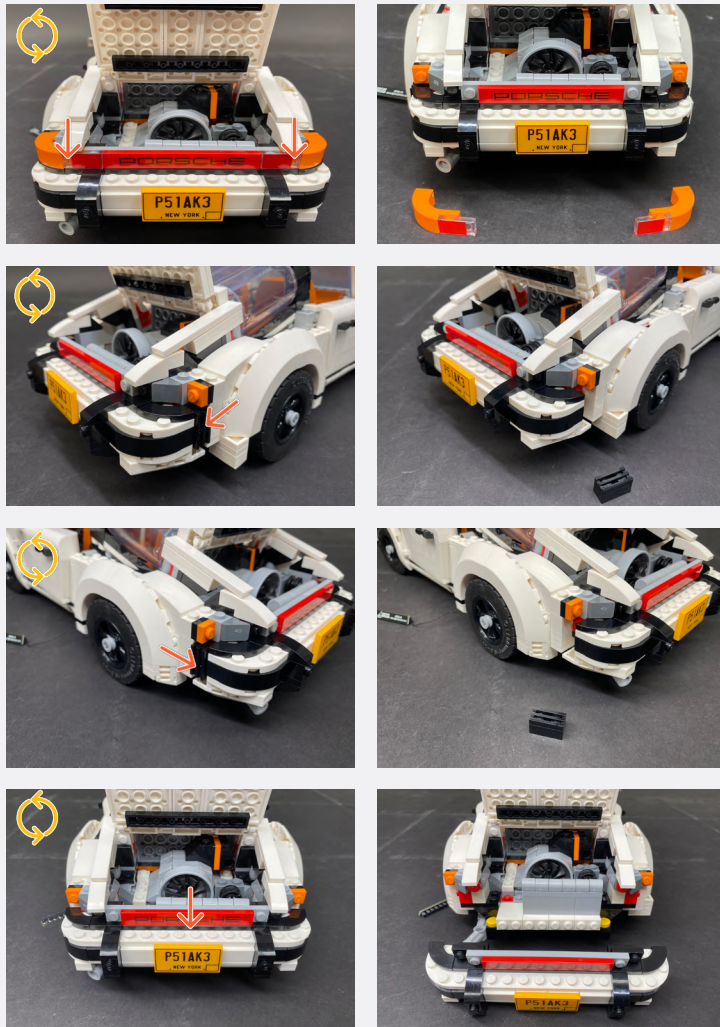
**7**



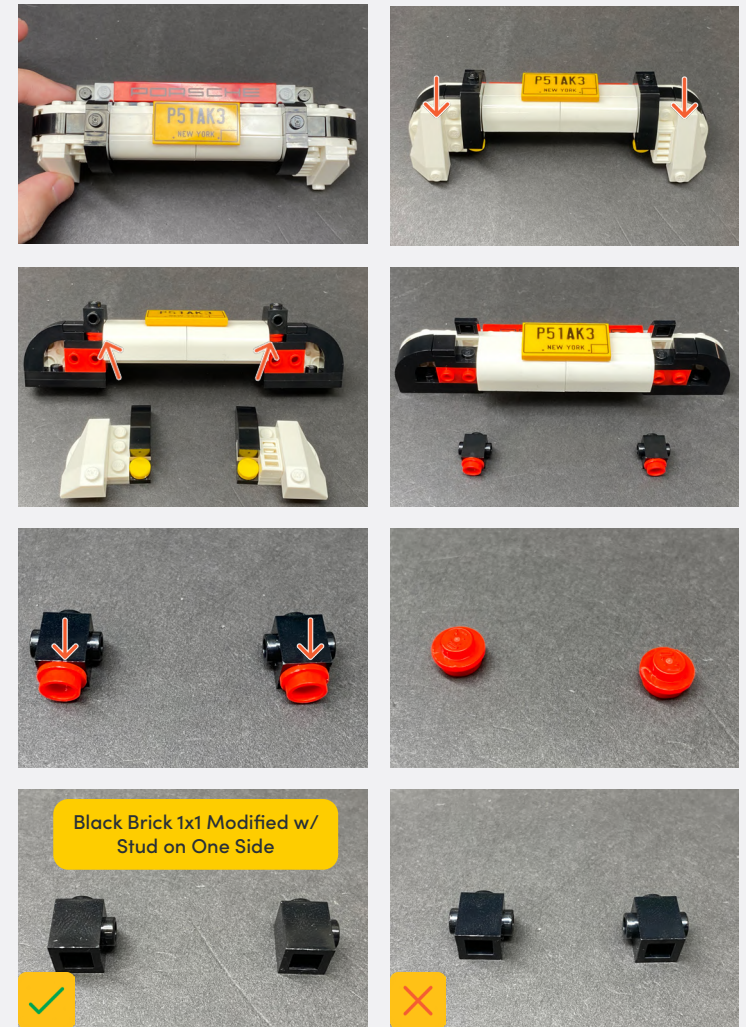
**Legend**

-  DISCONNECT
-  CONNECT / RECONNECT
-  TURN / FLIP
-  DIRECTIONAL
-  TWIST / BRAID
-  POWER ON TEST
-  NOTE ICON



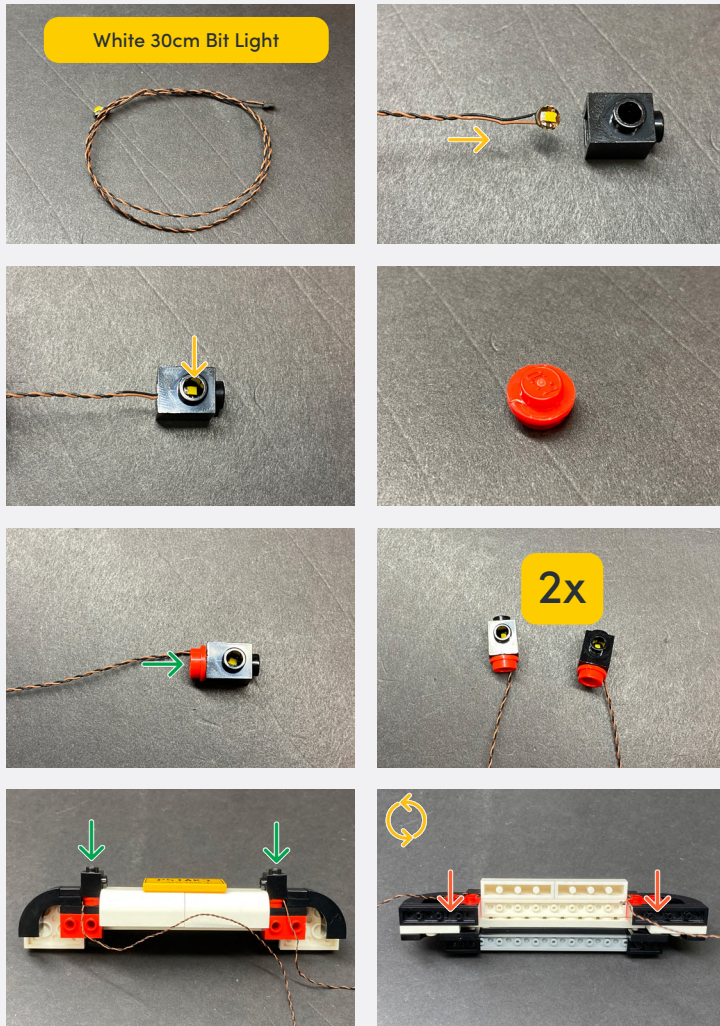


**8**



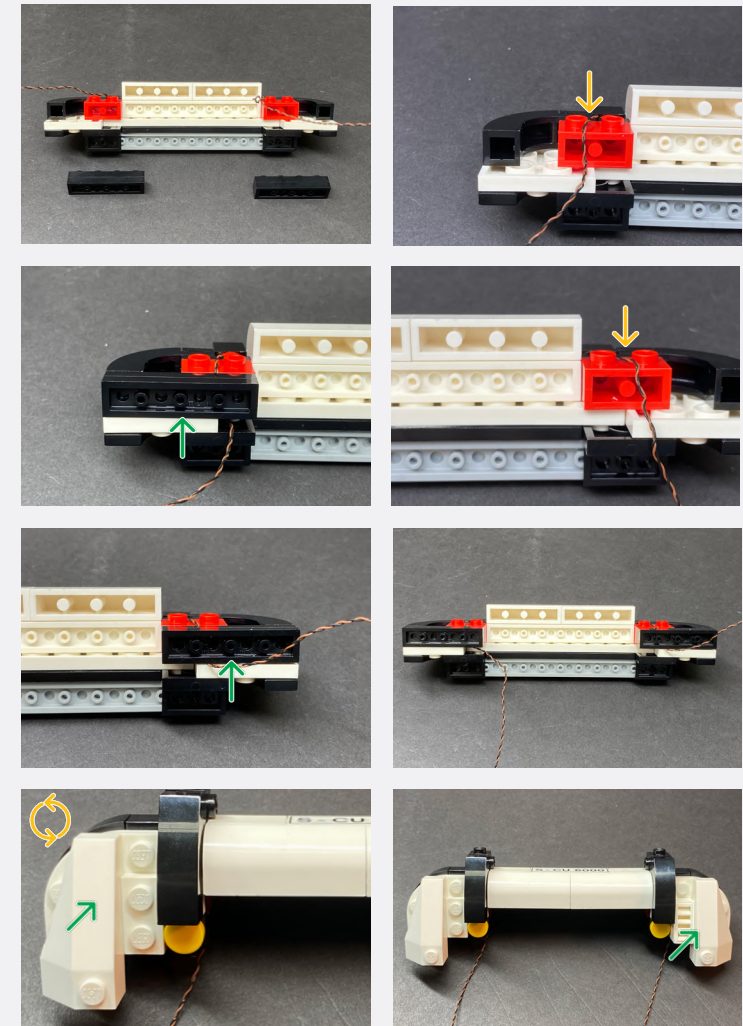
**Legend** → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ↺ TWIST / BRAID \* POWER ON TEST 📝 NOTE ICON





Ensure the LED is positioned so that it shines out through the open stud

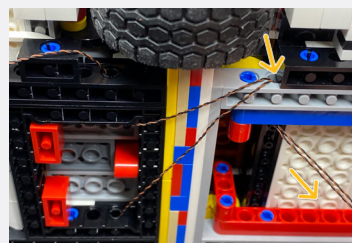
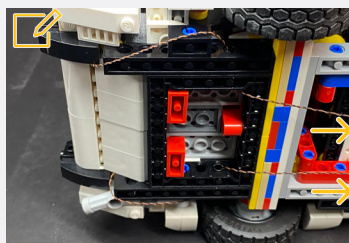
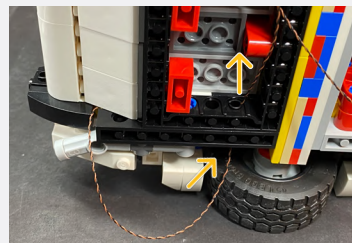
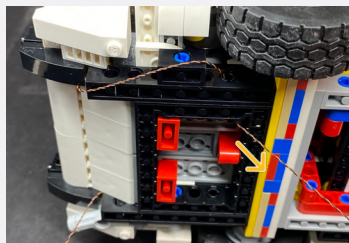
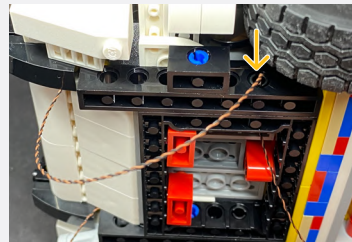
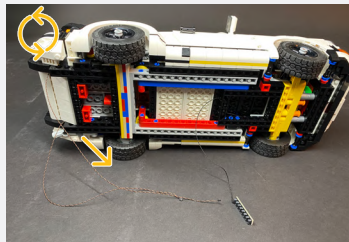
9



Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ↻ TWIST / BRAID \* POWER ON TEST 📝 NOTE ICON

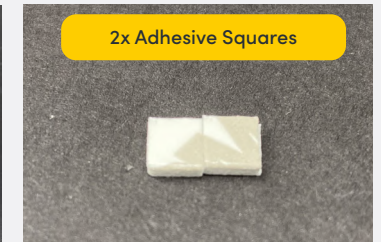
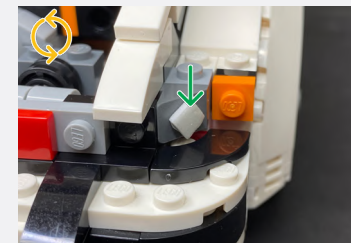
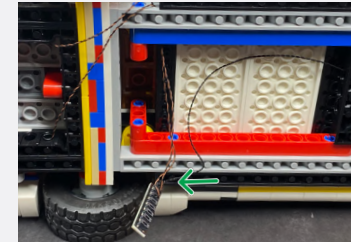


**10**



☞ Pull both wires towards the front of the car to secure them and ensure they do not dangle

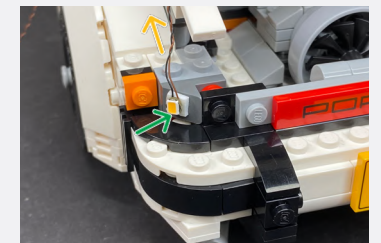
**11**



2x Adhesive Squares



2x White Large 30cm Bit Light



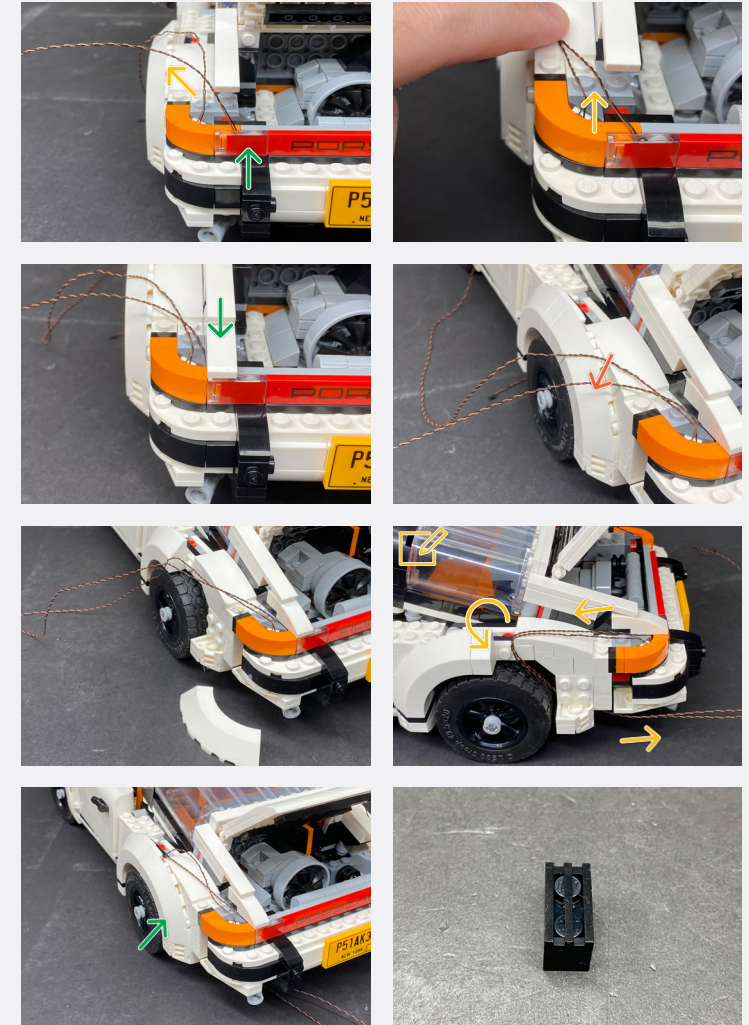
**Legend**

- DISCONNECT
- CONNECT / RECONNECT
- ↻ TURN / FLIP
- DIRECTIONAL
- ↻↻ TWIST / BRAID
- ✳ POWER ON TEST
- ☞ NOTE ICON



12

White 30cm Bit Light



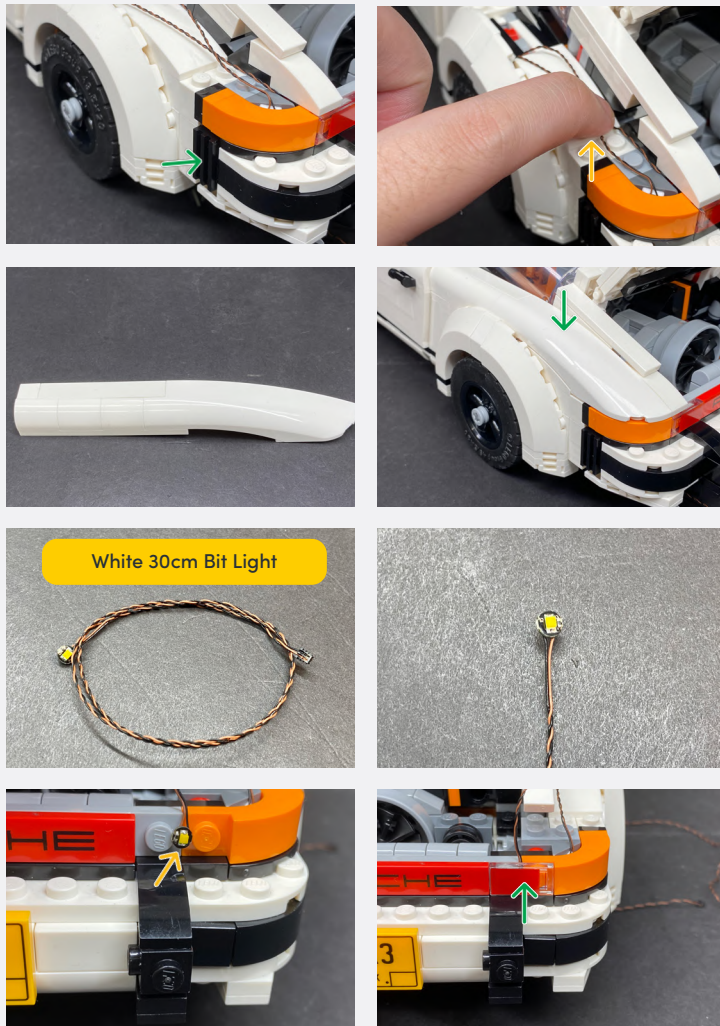
13

✍ Thread both cables underneath the car (over the tyre). Pull the cables out from the back

**Legend** → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ↺ TWIST / BRAID ✨ POWER ON TEST 📝 NOTE ICON



14



Thread both cables underneath the car (over the tyre). Pull the cables out from the back



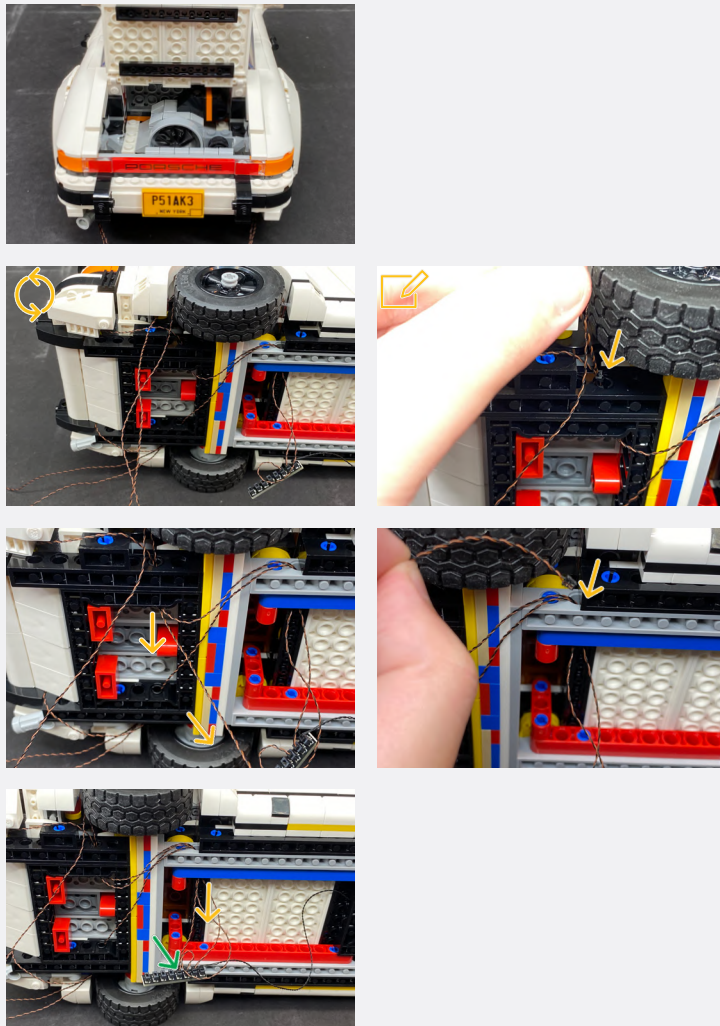
## Legend

- DISCONNECT
- CONNECT / RECONNECT
- TURN / FLIP
- DIRECTIONAL
- TWIST / BRAID
- POWER ON TEST
- NOTE ICON



# 15

Using the shorter wire from the top side, thread it through the holes as shown

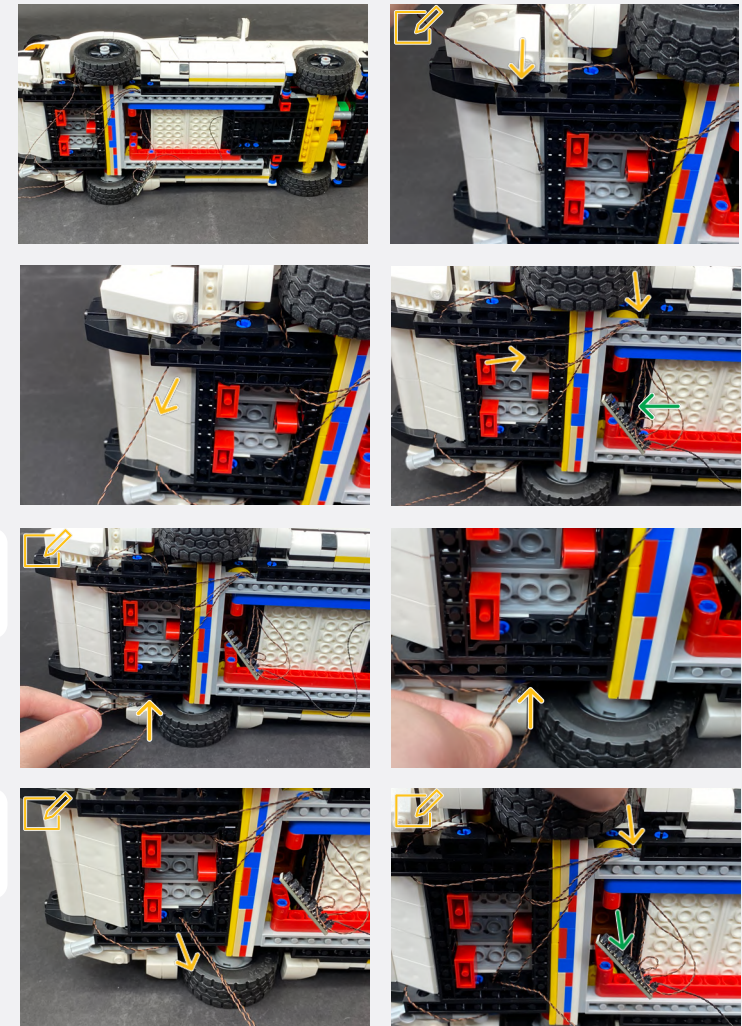


# 16

Using the longer wire from the top side, thread it through the holes as shown

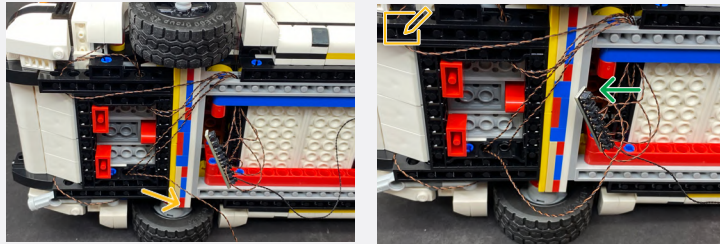
Thread both bottom wires through the first hole as shown

Thread the longer wire through the same hole as previous wires.



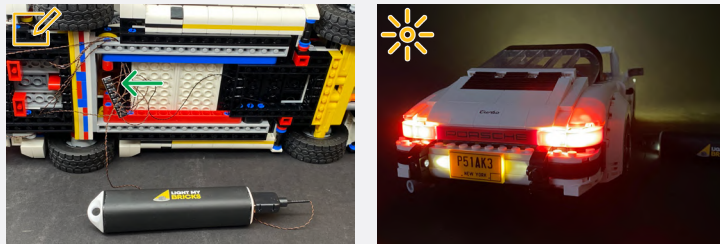
**Legend**    → DISCONNECT    → CONNECT / RECONNECT    ↻ TURN / FLIP    → DIRECTIONAL    ↻ TWIST / BRAID    ✨ POWER ON TEST    📝 NOTE ICON

Connect the shorter wire directly to the expansion board.



17

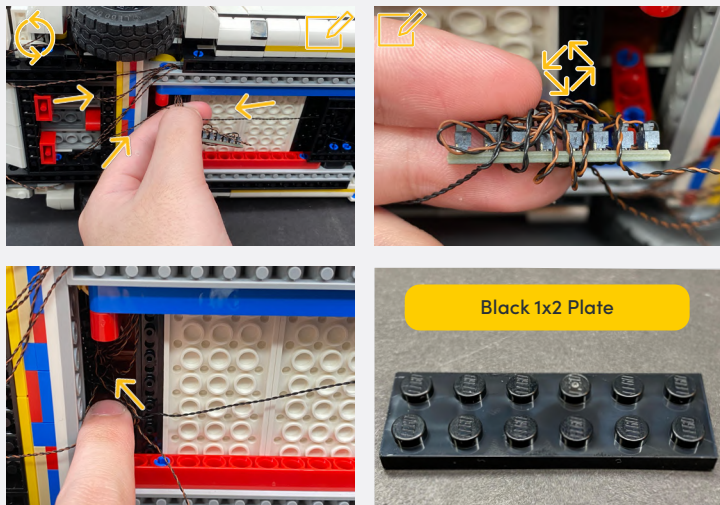
Reconnect the USB Power Cable to the 8-Port Expansion Board



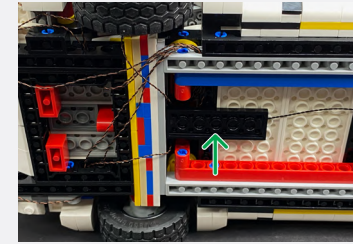
18

Pull all the wires (excluding the USB Power Cable) tightly to ensure no wires are loose.

Wrap the wires (excluding the USB cable) around the expansion board to secure the wires in a tight manner.



19



Legend

- DISCONNECT
- CONNECT / RECONNECT
- TURN / FLIP
- DIRECTIONAL
- TWIST / BRAID
- POWER ON TEST
- NOTE ICON



## FINAL PRODUCT

This finally completes installation of the Light My Bricks Porsche 911 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.**

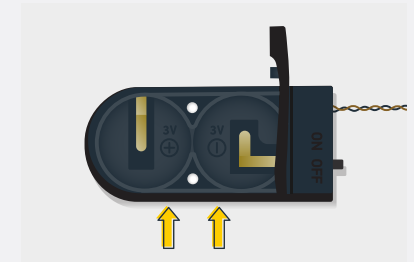
**If the batteries have no power, replace the batteries.**

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

### Check For CR2032 Batteries Using The Flat Battery Pack

Inside the battery pack is a symbol indicating which side the (round) CR2032 battery should be inserted. Check that the “+” side of the battery pack has the battery with the “+” symbol facing downwards.

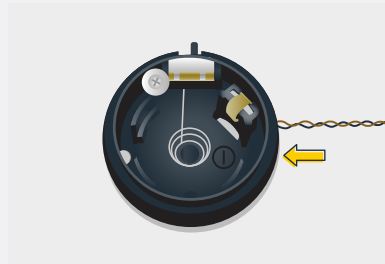
On the opposite side, the “-” side of the battery pack should have the battery flipped upside down, that is the “+” symbol facing upwards.



## Troubleshooting

### Check For Cr2032 Batteries Using The Round Battery Pack

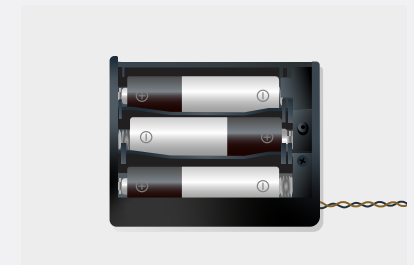
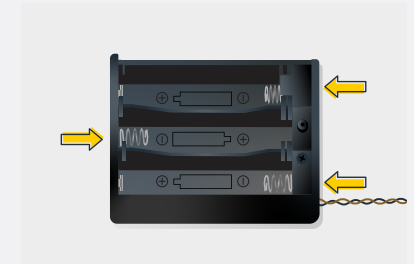
Inside the battery pack is a symbol indicating which side the (round) CR2032 battery should be inserted. In this case, for the stacked battery pack, ensure that BOTH batteries have the “+” symbol facing upwards.



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

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

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





# Troubleshooting

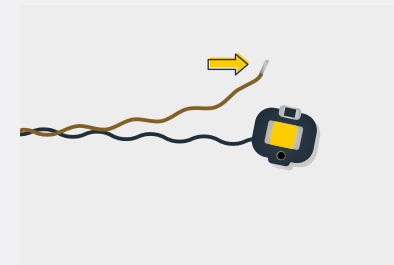
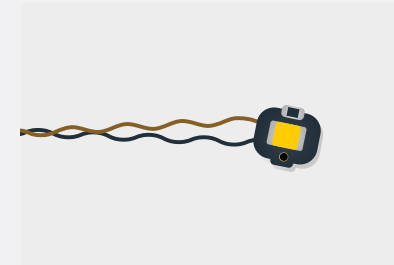
## Check Your Wires

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

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

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

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



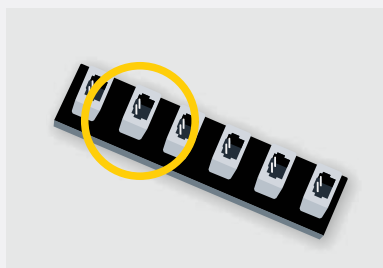
## Troubleshooting

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

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

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

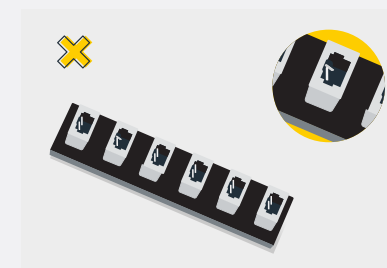
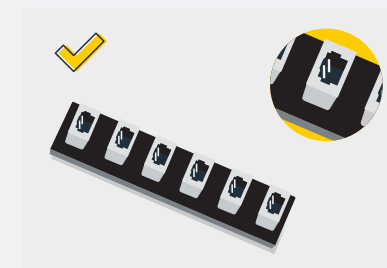
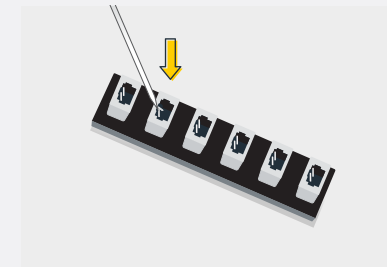
Not only will a light connected to the damaged port not work, but if the pins inside the port are bent to a point they are touching each other, this can result in all other lights in the system to stop working. This is a short circuit.



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

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

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







## CONTACT US

If you have an enquiry regarding the online shop, our products or a general enquiry please refer to our Frequently Asked Questions webpage here.

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

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

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



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