LIGHT MY BRICKS

LEGO® FORD F-150 RAPTOR #42126 LIGHT KIT INSTALLATION GUIDE

Light My Bricks

LEGO® FORD F-150 RAPTOR #42126 LIGHT KIT INSTALLATION GUIDE

Hi There!

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

Ford F-150 Raptor (42126) Light Kit.

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

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

Have fun and enjoy!

INSTALLATION GUIDE

PACKAGE CONTENTS:

4 x Cool White 15cm Bit Light
5 x Red 30cm Bit Light
1 x White Strip Light

1 x 6-Port Expansion Board
1 x 8-Port Expansion Board
4 x Adhesive Squares

1 x NC Push Board

1 x 15cm Connecting Cable
2 x 30cm Connecting Cable

1 x USB Power Cable
(Power Source not Included)

ASSORTED BRICKS:

- 6 x Tile 1x1 W Clip Round Edges - Black
- 4 x Tile 1x2 - Trans Clear
- 2 x Tile 1x2 - Black
- 2 x Plate 1x1 - Trans Red
- 2 x Slope 30 1x1x1/2 - Trans Clear
- 6 x Slope 30 1x1x1/2 - Trans Red
- 5 x Technic Pin 1/2 - Light Grey
- 6 x Plate 1x2 MW Handle on End - Light Grey

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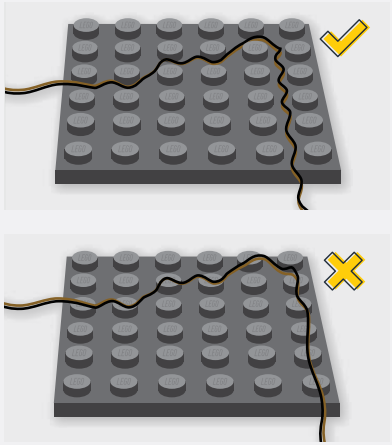
Before You Begin



Laying cables in between and underneath bricks

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

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

Connecting Cable Connectors To Expansion Boards

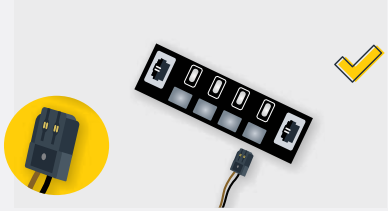
Take extra care when inserting connectors to ports of Expansion Boards. Connectors can be inserted only one way. With the expansion board facing up, look for the soldered "=" symbol on the left side of the port. The connector side with the wires exposed should be facing toward the soldered "=" symbol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

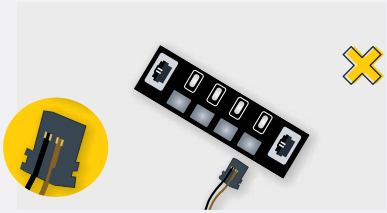
Incorrectly inserting the connector can can result in bent pins inside the port or possible overheating of the expansion board when connected.

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.





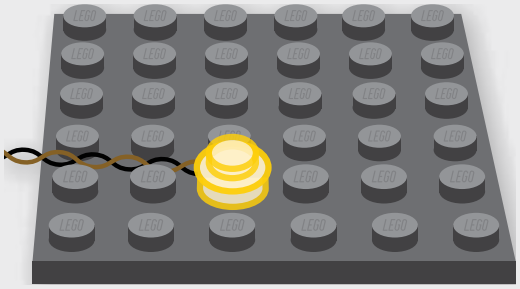
Connecting Micro Cable Connectors To Micro Expansion Board Ports

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.

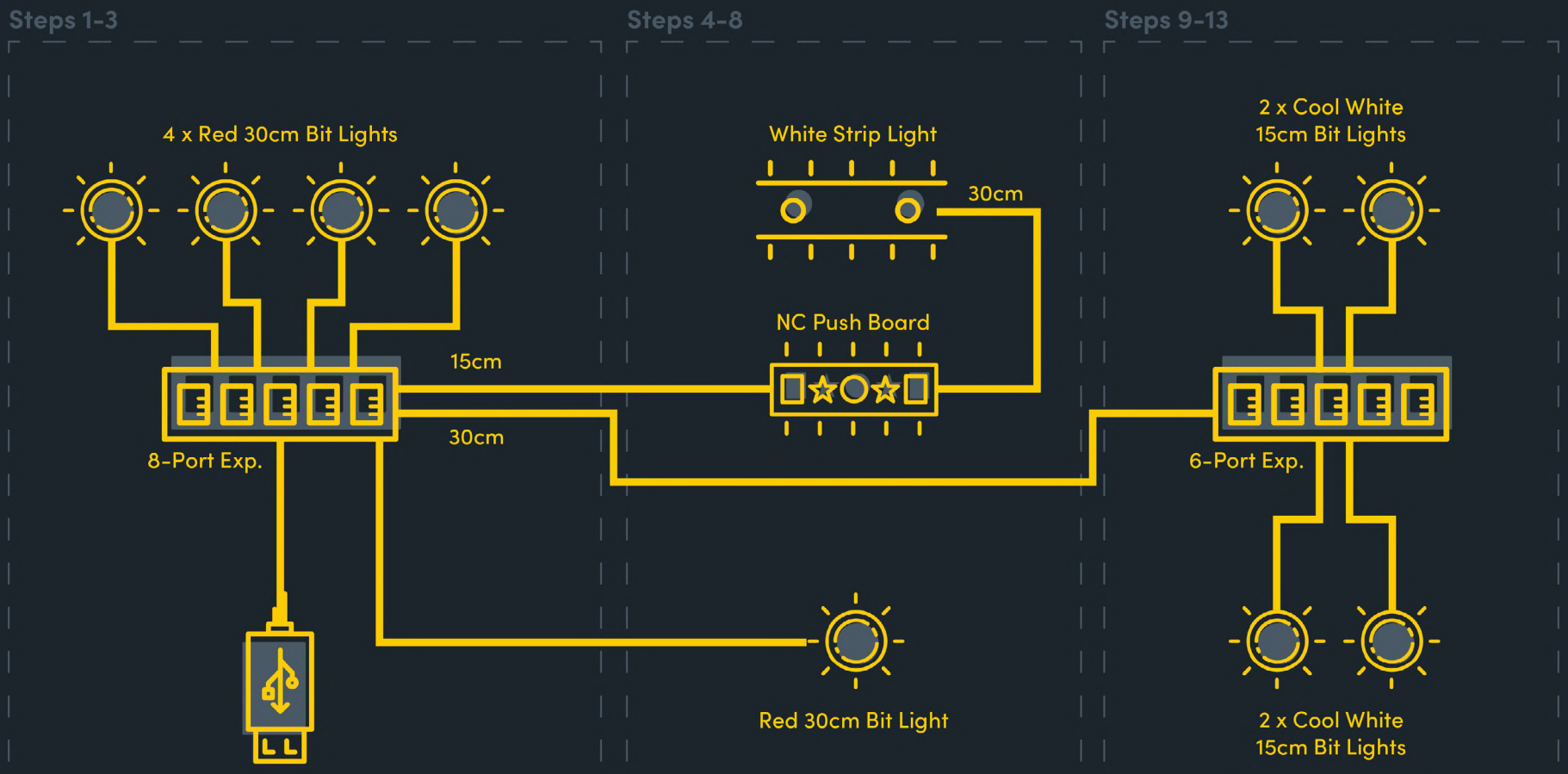
Before You Begin

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.



BLUEPRINT

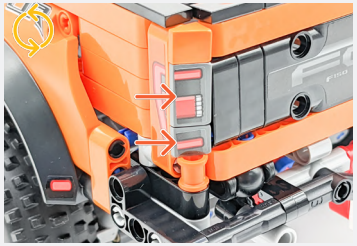

Steps 1-3
Steps 4-8
Steps 9-13
4 x Red 30cm Bit Lights
White Strip Light
30cm
2 x Cool White
15cm Bit Lights
NC Push Board
15cm
30cm
8-Port Exp.
6-Port Exp.
Red 30cm Bit Light
2 x Cool White
15cm Bit Lights

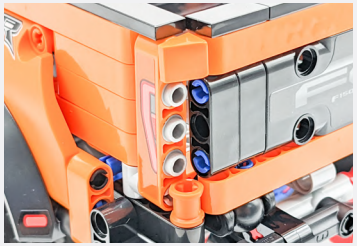
INSTRUCTIONS

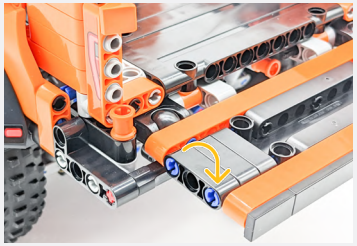
To ensure a smooth installation of your light kit, please read and follow each step carefully. If you run into any issues, please refer to the online troubleshooting guide.

LEGEND:	DISCONNECT	CONNECT / RECONNECT	TURN / FLIP	DIRECTIONAL	TWIST / BRAID	POWER ON / TEST
LEGENDE:	TRENNEN	VERNINDEN / WIEDERVERBINDEN	WENDEN / KIPPEN	DIRECTIONAL	DREHEN / VERDREHEN	EINSCHALTEN / TESTEN
LÉGENDE:	DÉCONNECTER	CONNECTER / RECONNECTER	TOUR / INCLINAISON	DIRECTIONNEL	TORSION / TRESSER	POWER ON / TEST
LEGGENDA:	SCOLLEGARE	CONNETTI / RICONNETTI	ROTARE / INCLINARE	DIREZIONALE	TWIST / TRECCIA	POWER ON / TEST

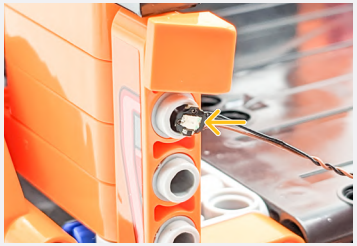
1



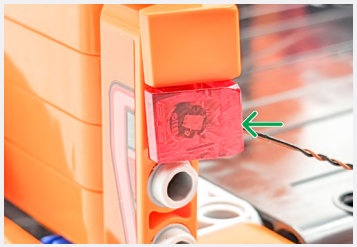




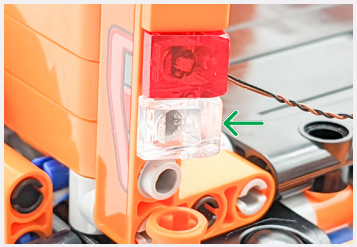
Red 30cm Bit Light



Slope 30 1x1x1/2 - Trans Red

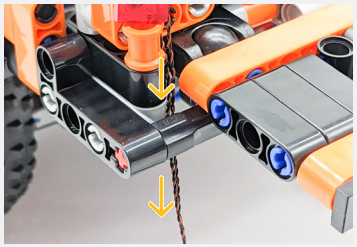


Slope 30 1 x 1 x 2/3
Trans Clear



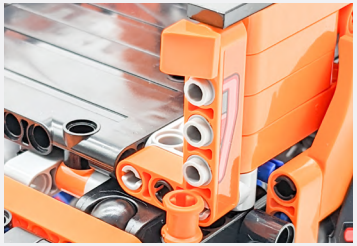
Red 30cm Bit Light

Slope 30 1x1x1/2 - Trans Red

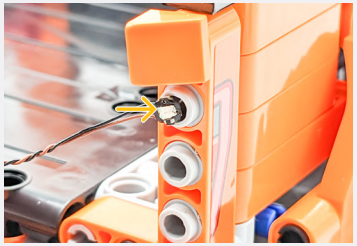


Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

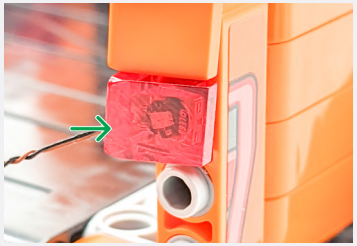
2



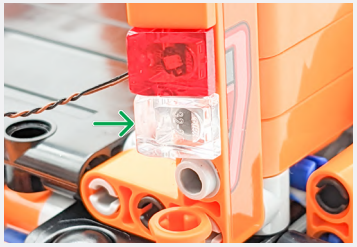
Red 30cm Bit Light



Slope 30 1x1x1/2 - Trans Red

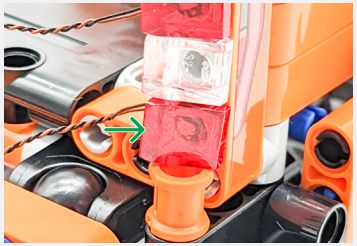


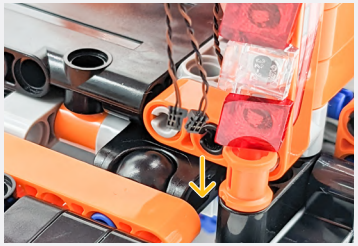
Slope 30 1 x 1 x 2/3
Trans Clear

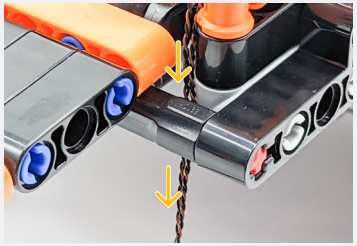


Red 30cm Bit Light

Slope 30 1x1x1/2 - Trans Red



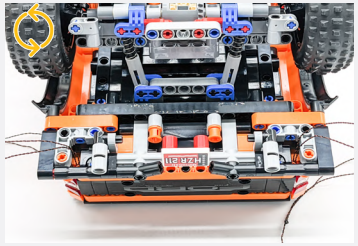


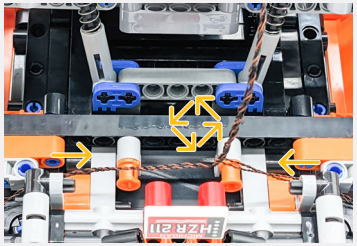


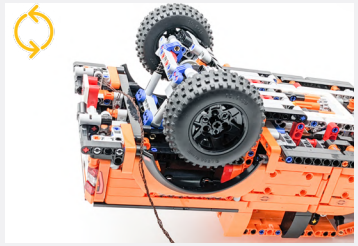
Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

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.

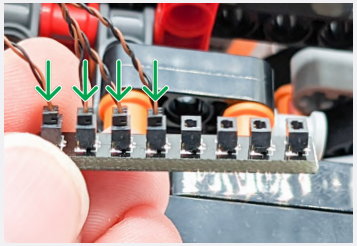
3



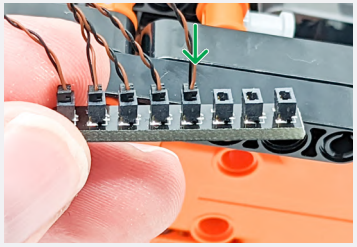




8-Port Expansion Board



USB Power Cable



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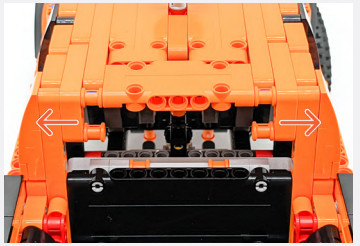
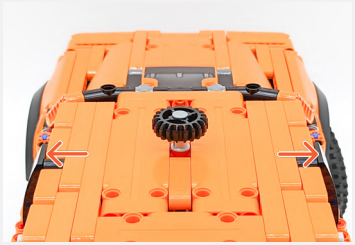
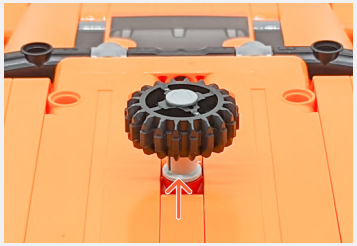
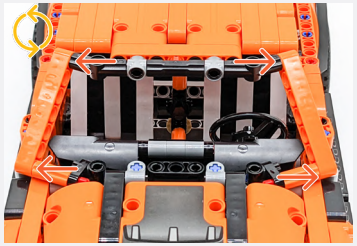
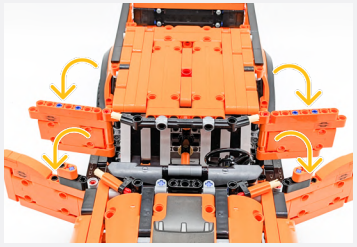
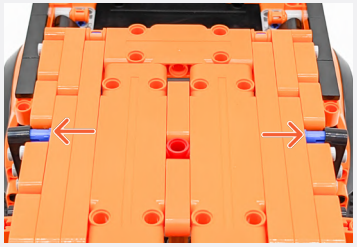


Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

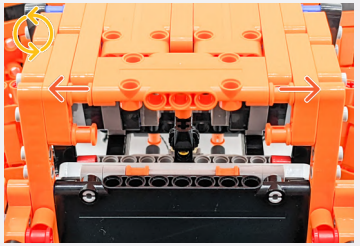
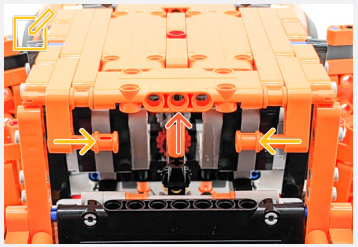






Partially pull out the technic pins without removing them.

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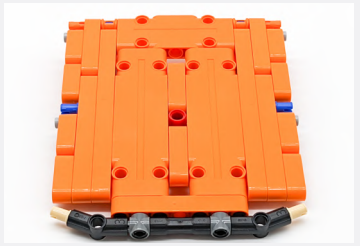
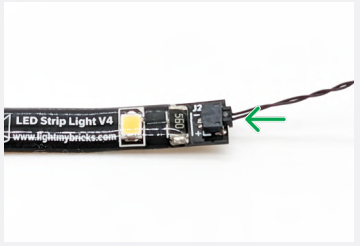
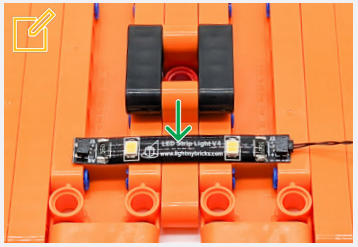


White Strip Light

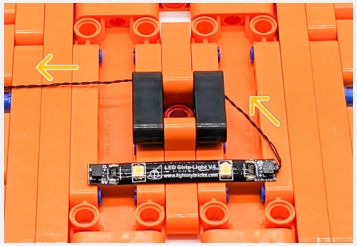
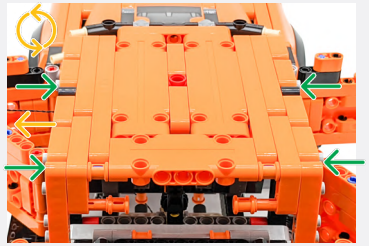
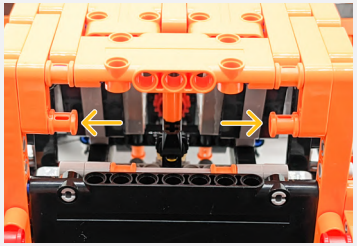
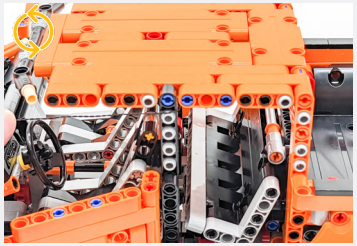
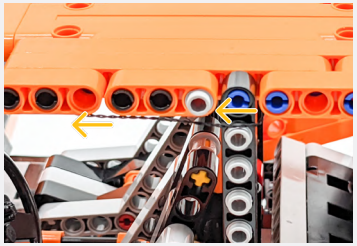
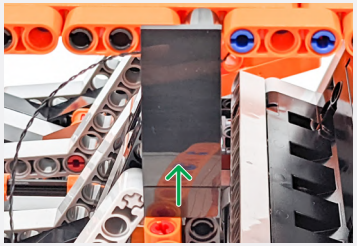
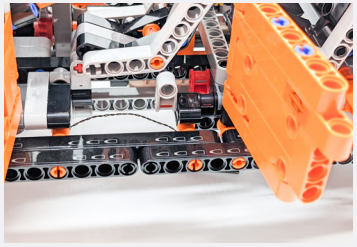
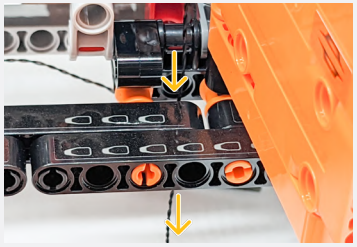
30cm Connecting Cable

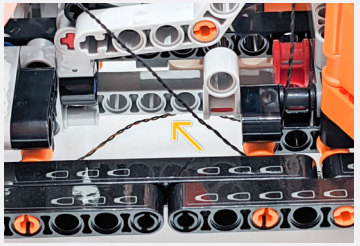
Remove backing tape to adhere the Strip Light in place.



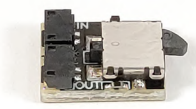


Legend — DISCONNECT — CONNECT / RECONNECT — TURN / FLIP — DIRECTIONAL — TWIST / BRAID — POWER ON TEST — NOTE ICON

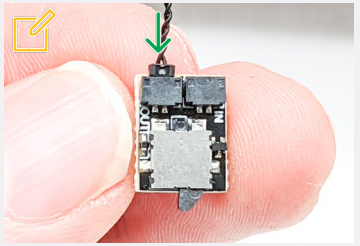











NC Push Board



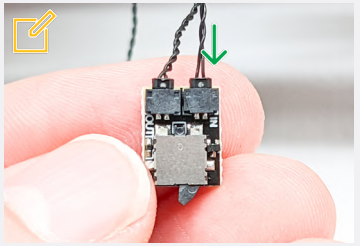
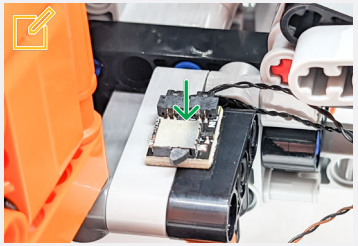
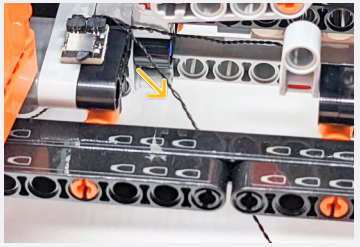
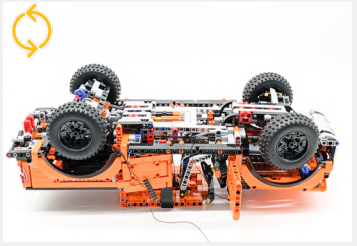
Connect the 30cm Connecting Cable to the “OUT” Port on the NC Push Board.



15cm Connecting Cable

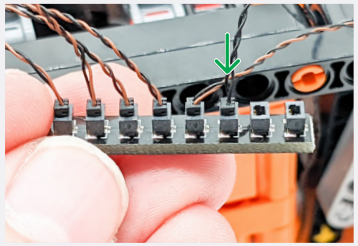
Connect the 15cm Connecting Cable to the “IN” Port on the NC Push Board.

Remove backing tape to adhere the NC Push Board in place as shown.

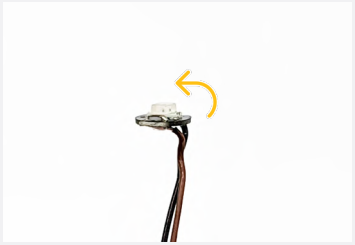





Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

6



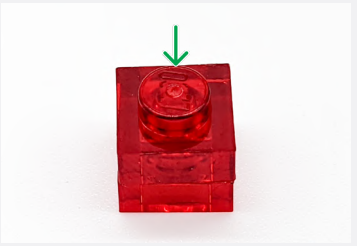
Red 30cm Bit Light

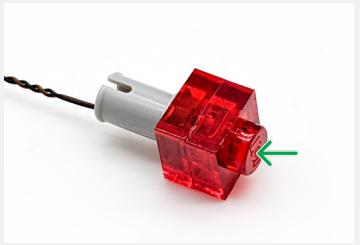


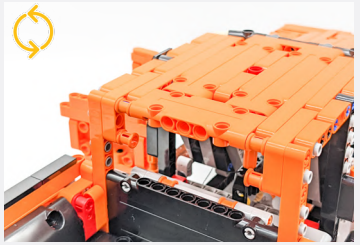
Technic Pin 1/2 - Light Grey

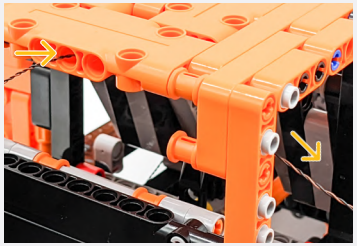
Plate 1x1 - Trans Red

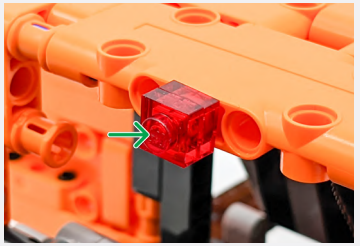
Plate 1x1 - Trans Red





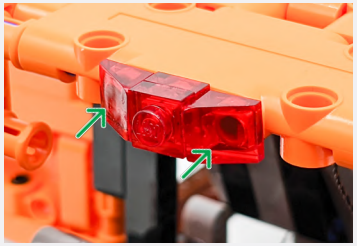


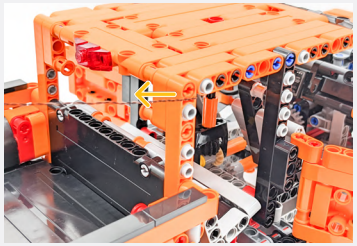


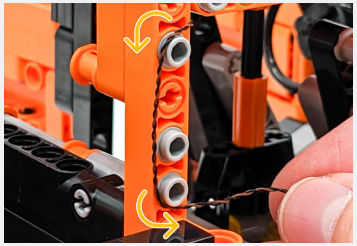


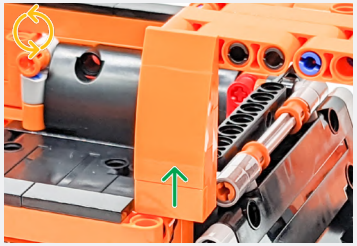
Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

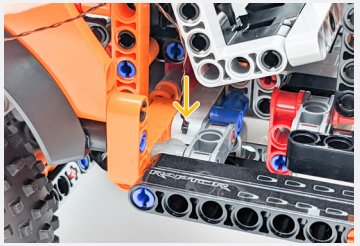
7

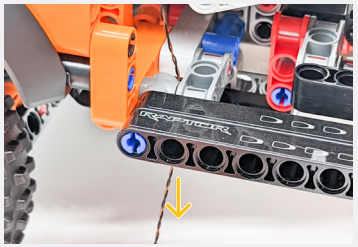


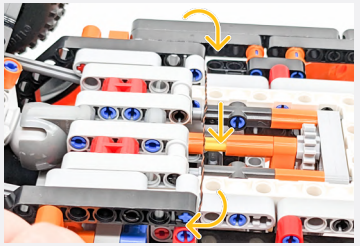


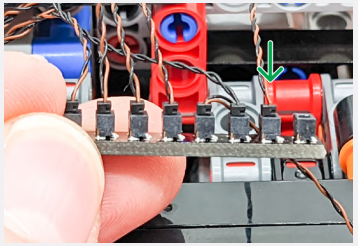








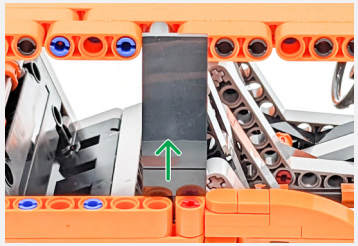
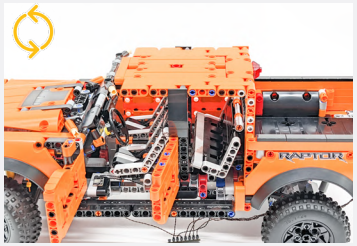
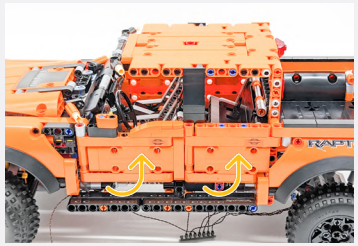
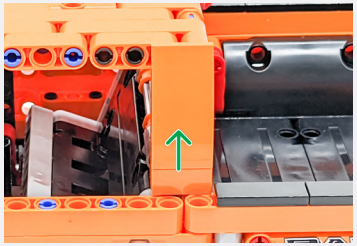


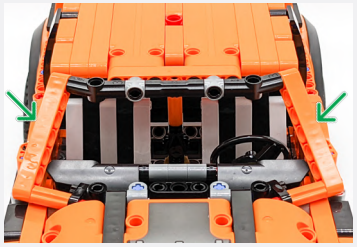


Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

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.

8



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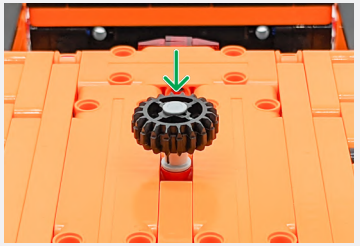
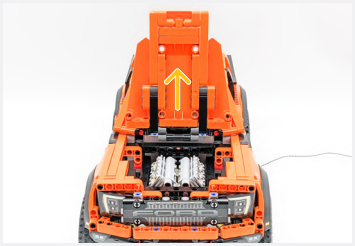
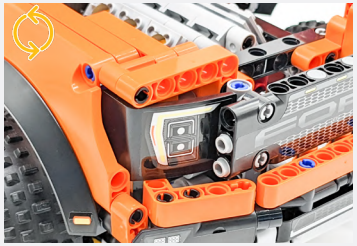
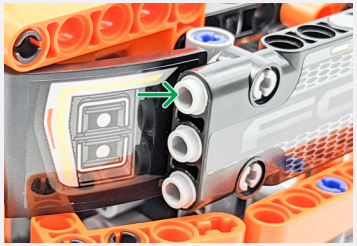


Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON





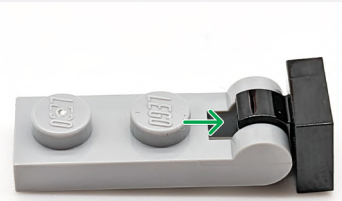
Technic Pin 1/2 - Light Grey



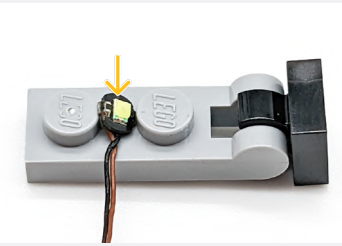
10

Plate 1x2 Mod w/ Handle On End - Any Colour

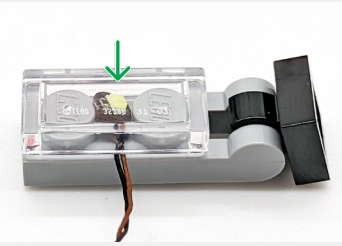
Black 1x1 Tile w/ Clip Rounded Edges



Cool White 15cm Bit Light

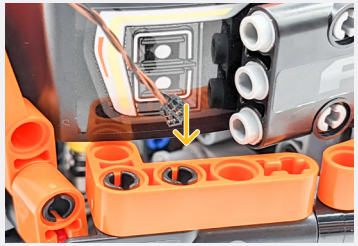


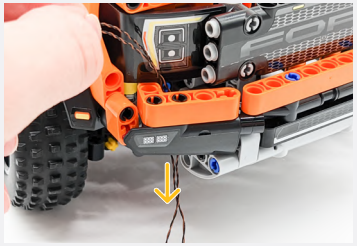
Tile 1x2 - Trans Clear

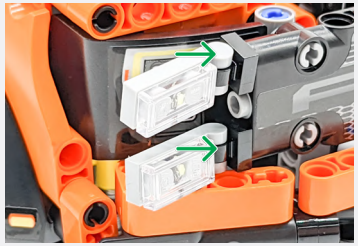


x2

Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON



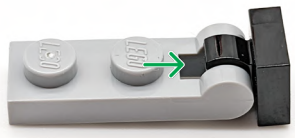




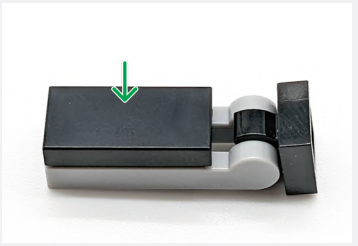
11

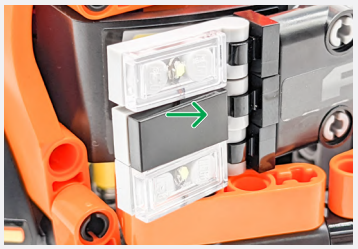
Plate 1x2 Mod w/ Handle On End - Any Colour

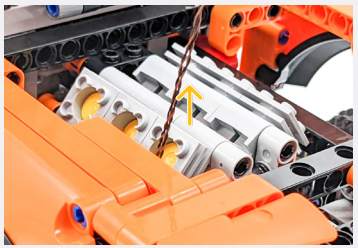
Black 1x1 Tile w/ Clip Rounded Edges



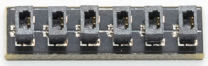
Tile 1x2 - Black

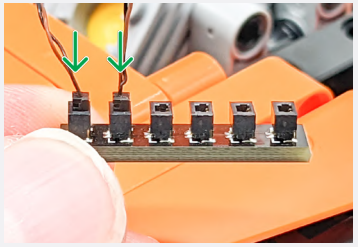






6-Port Expansion Board





Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

12

Technic Pin 1/2 - Light Grey

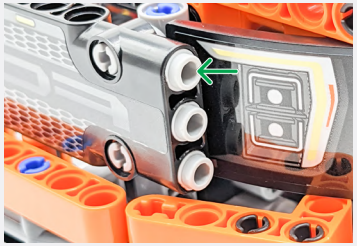
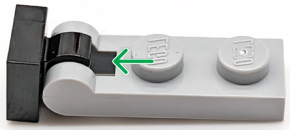


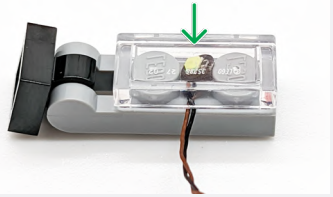
Plate 1x2 Mod w/ Handle On End - Any Colour

Black 1x1 Tile w/ Clip Rounded Edges



Cool White 15cm Bit Light

Tile 1x2 - Trans Clear



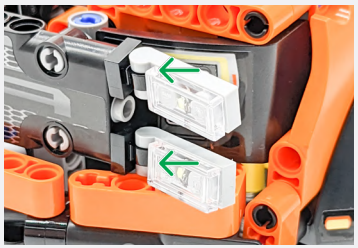
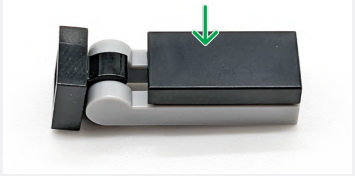


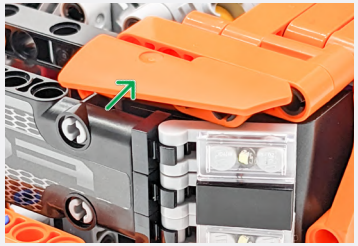
Plate 1x2 Mod w/ Handle On End - Any Colour

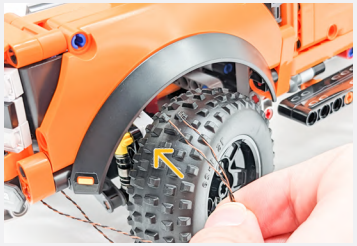
Black 1x1 Tile w/ Clip Rounded Edges

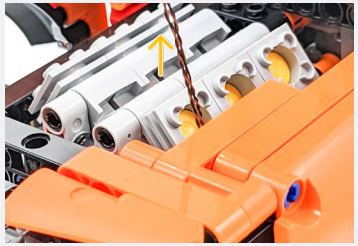
Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

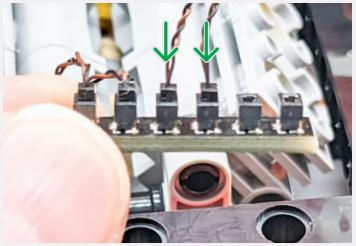
Tile 1x2 - Black





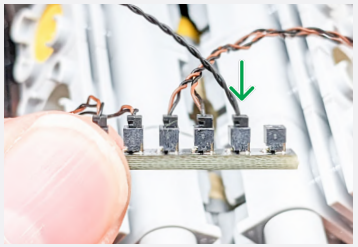




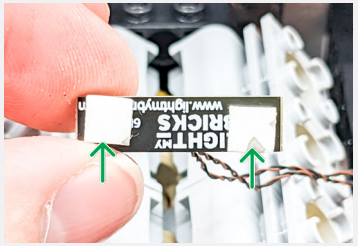


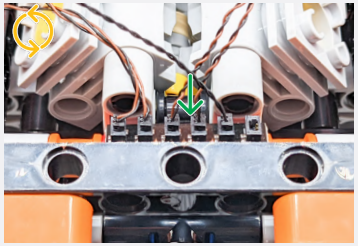
13

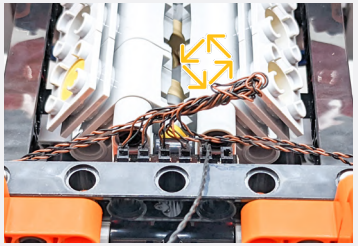
30cm Connecting Cable

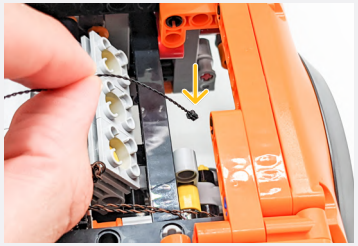


2x Adhesive Squares



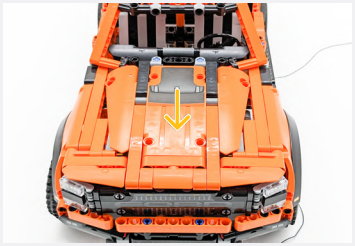


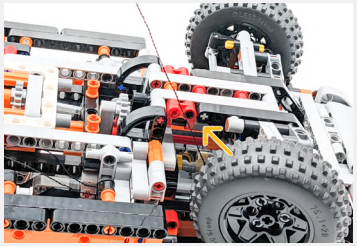




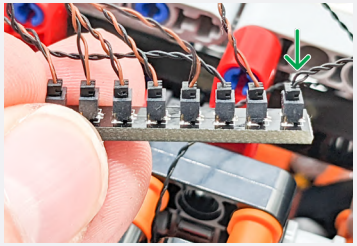
Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

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.

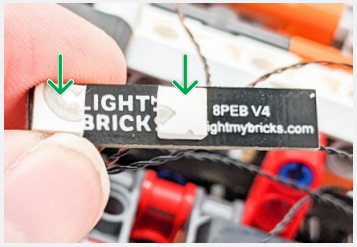


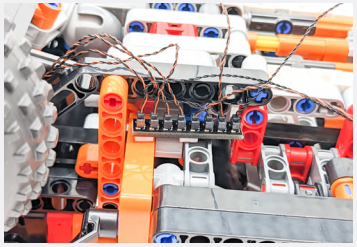


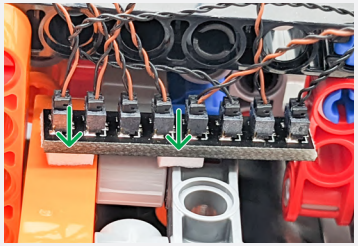
Connect the 30cm Connecting Cable to the last port in the 8-Port Expansion Board from step 3.

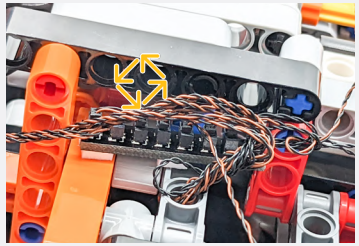


2x Adhesive Squares





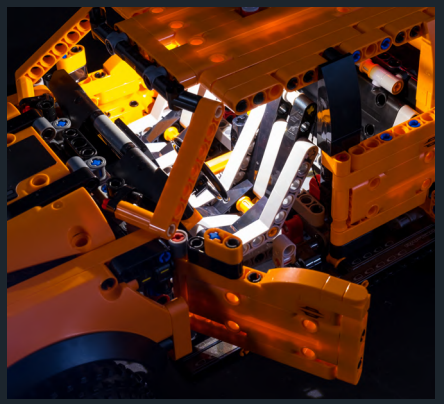




Legend → DISCONNECT → CONNECT / RECONNECT ↻ TURN / FLIP → DIRECTIONAL ⤢ TWIST / BRAID ✳ POWER ON TEST ✎ NOTE ICON

FINAL PRODUCT

This finally completes installation of the Light My Bricks Ford F-150 Raptor 42126 Light Kit.



TROUBLESHOOTING

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

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

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

Troubleshooting

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

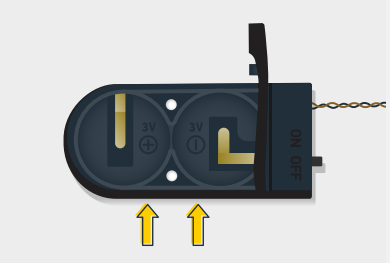
If the batteries have no power, replace the batteries.

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.

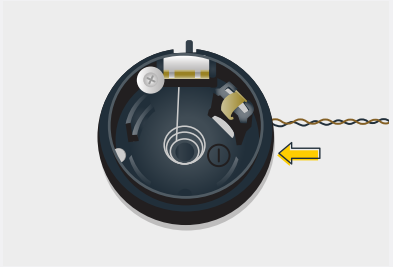
On the opposite side, the "-" side of the battery pack should have the battery flipped upside down, that is the "+" symbol facing upwards

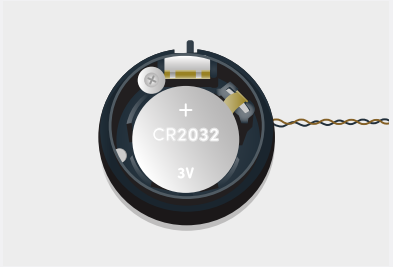


Troubleshooting

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.

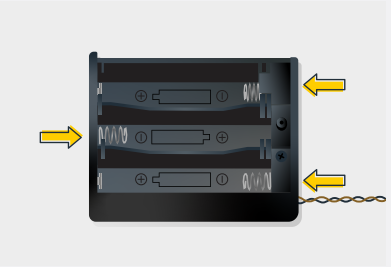


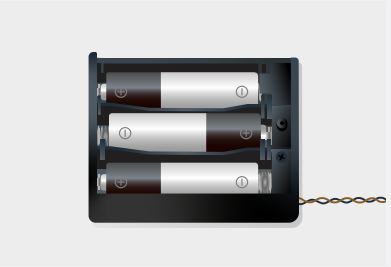


Check for AA batteries using the AA battery pack

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

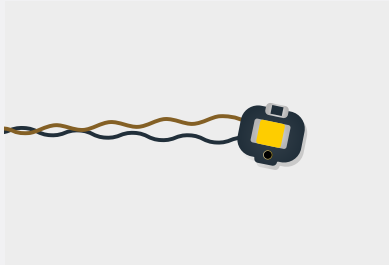
Check Your Wires

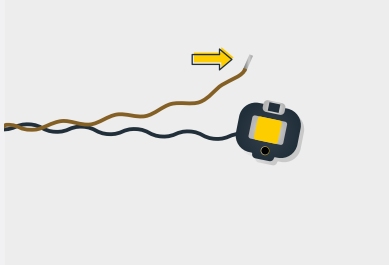
In order for Light My Bricks components to fit in between and underneath LEGO® bricks, the components need to be very small. Due to this nature, Light My Bricks components can be easily damaged when not handled correctly.

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.





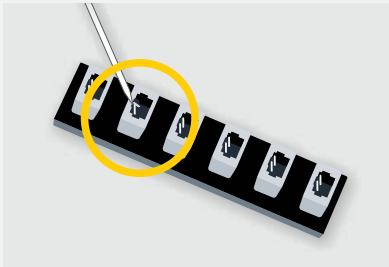
Troubleshooting

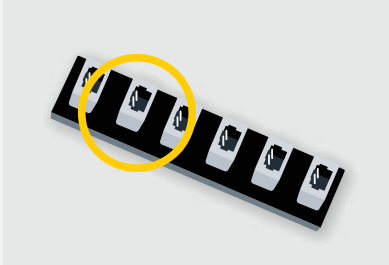
Check Your Expansion Board Ports/ Strip Light Ports / Effects Board Ports

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.

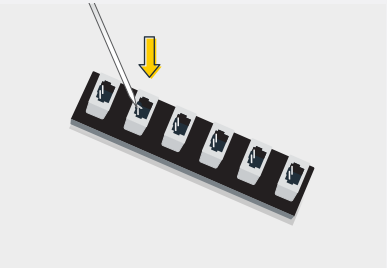


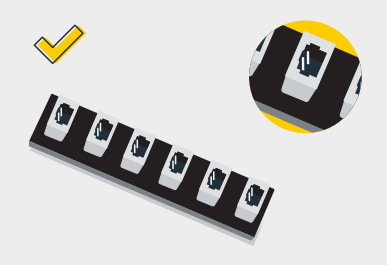


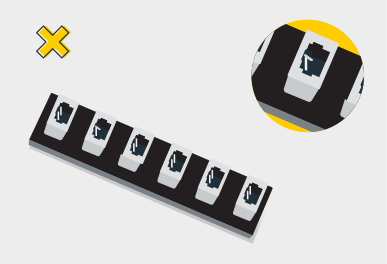
A short circuit can also result in overheating of the board, cable or batteries. If you suspect a short circuit, DISCONNECT POWER IMMEDIATELY Batteries can fail, catch fire, or even explode if left connected to a short circuit for too long.

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

support.lightmybricks.com

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

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