Lighting Kit LEGO 42098

Thank you for choosing our lighting products. We are committed to LEGO product study and lighting development, we're always trying our best to provide LEGO fans with the best products and the best installation ideas.
Must be careful observation, imagination can be infinite.
We provide basic parts to support your imagination.
DO IT YOURSELF .that's what LEGO is .

As always, Lego has been adhering to the DIY philosophy from product selection, research and development to sales. Consumers buy the parts, you will assemble them by yourself, and you can experience every step from picking up the first piece to installing the last one. Besides, LEGO has different answers for the installation form and method of each part. Vonado lighting also does not want to kill your unlimited creativity, we will try our best to make products with high variability, high playability and unlimited play. If you have any dissatisfaction or your own ideas on the parts such as the color of the lights, the length of the cables, the installation position of the product, and the final effects of each module, you can make your own arrangement, and we will cooperate with you to replace or repurchase.
LETS MOVE!

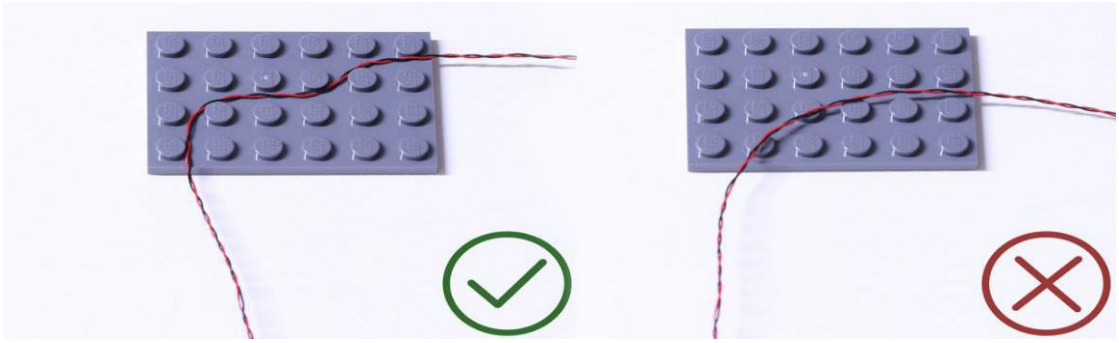
Package contents：

- 12 x Bit Lights-15CM-White
- 5 x Bit Lights-15CM-Warm White
- 8 x Bit Lights-15CM-Red
- 1 x LED Strip Light-Warm White
- 1 x 4-port Expansion Boards
- 1 x 6-port Expansion Board
- 2 x 8-port Expansion Boards
- 1 x 12-port Expansion Board
- 1 x Connecting Cables-15CM
- 1 x Connecting Cables-30CM
- 2 x Connecting Cable-50CM
- 1 x USB Power Cable
- 1 x AAA Battery Pack

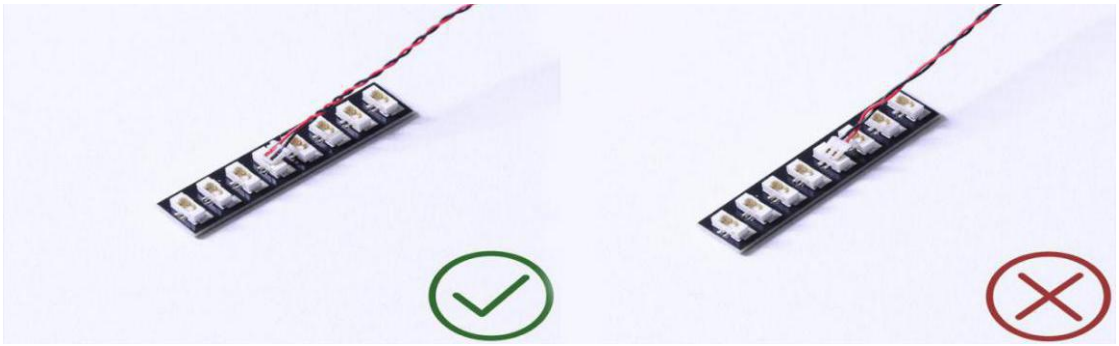
Extra pieces

Note:

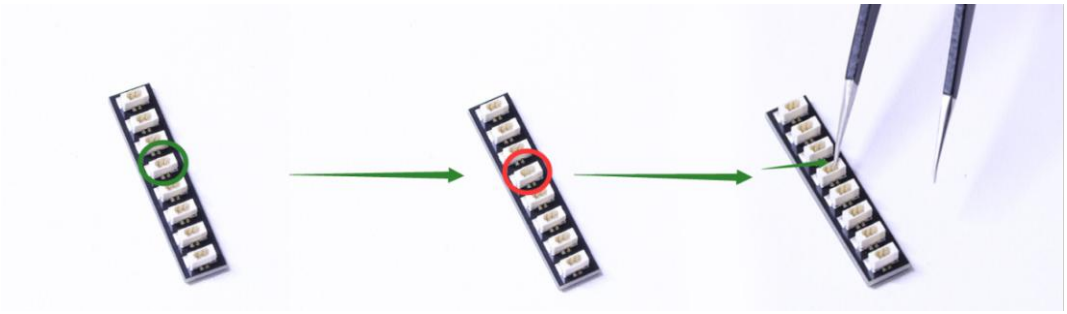
Place wires on the surface or under the building blocks.
The wire can be place between the building blocks or under the block, but they should be placed between the studs correctly.



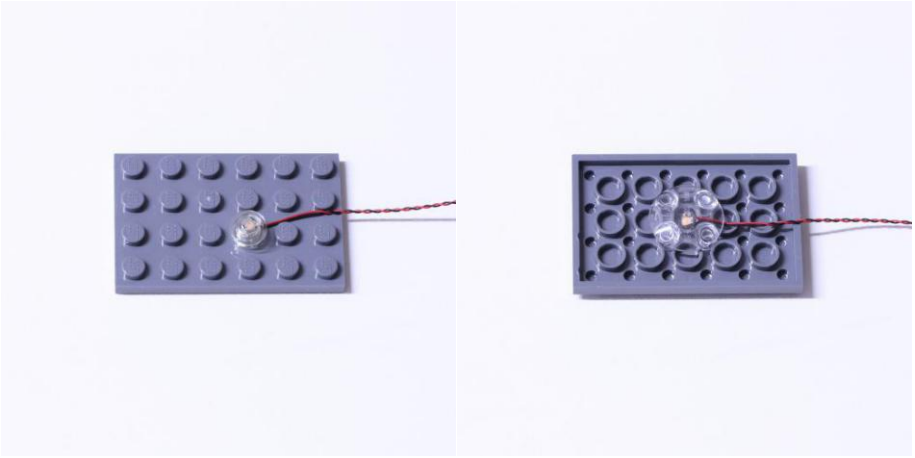
Insert the connectors to the ports.
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, and don't force it, for that may result in bent pins inside the port or overheating of the expansion board.



At this point, use the tweezers to straighten the bent pins.

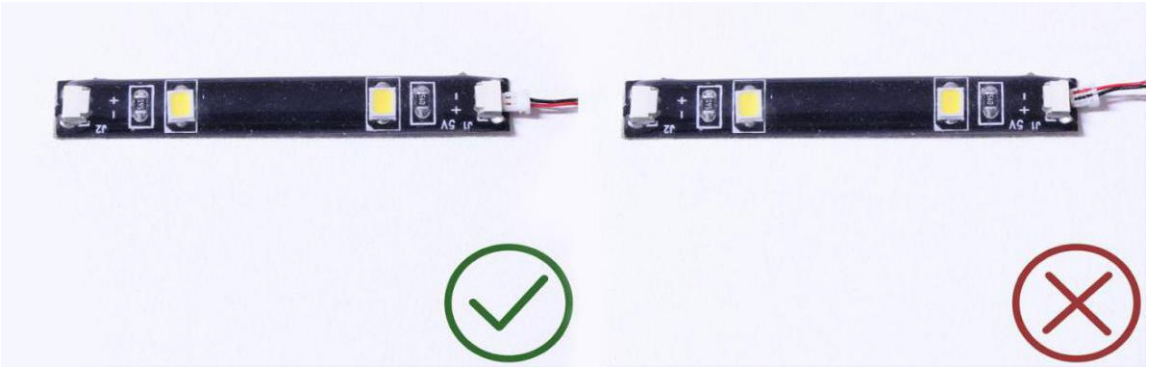


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put they either on the top of the studs or between studs.



Connecting cable connectors to Strip Lights

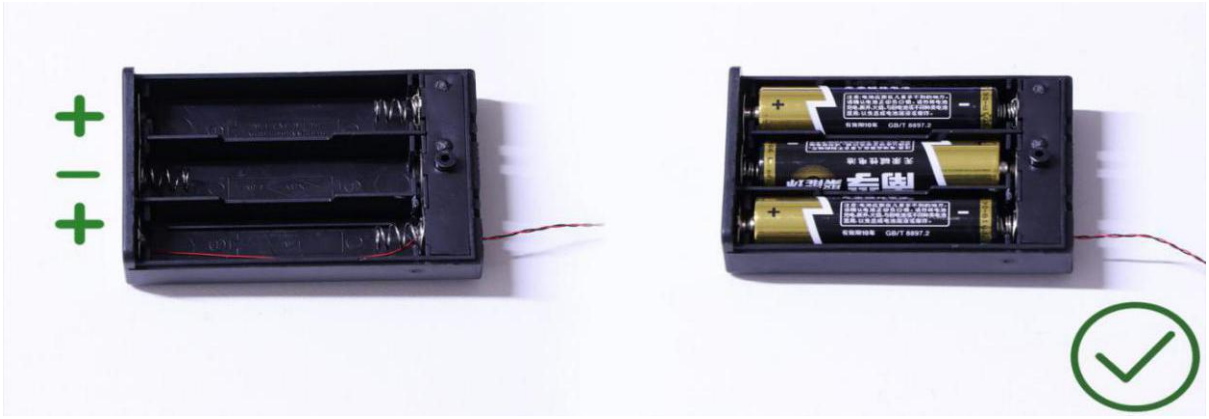
Take extra care when inserting connectors to ports on the Strip Lights. Connectors can be inserted only one way. With the Strip Light facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, don't force it. Doing so will damage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



Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.

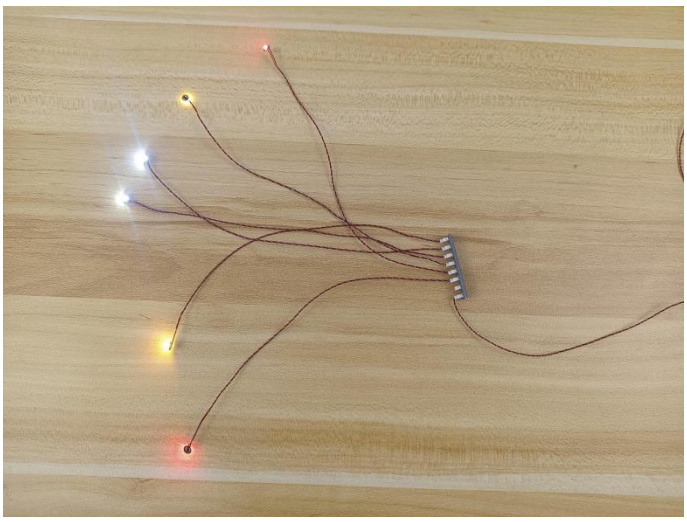
+
−

CR2032
LITHIUM BATTERY
3V


+
−
+

Instructions for installing this kit:

Car Carrier Classic Version, Lighting Kit, 11 bags in total.
Power supply: AAA battery pack (self-contained battery), and USB power cable (self-contained power bank or mobile phone charger).
Firstly, take the power source (power bank or mobile phone charger), connect it to the USB cable, connect the other end of the USB cable to the expansion board to verify all the lights one by one.

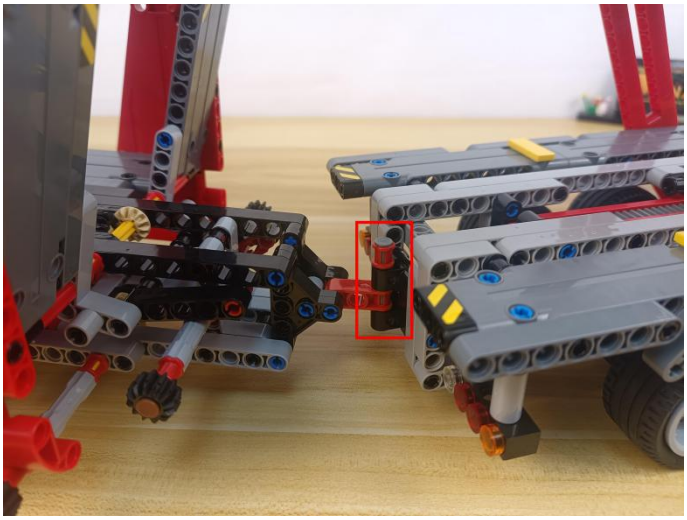


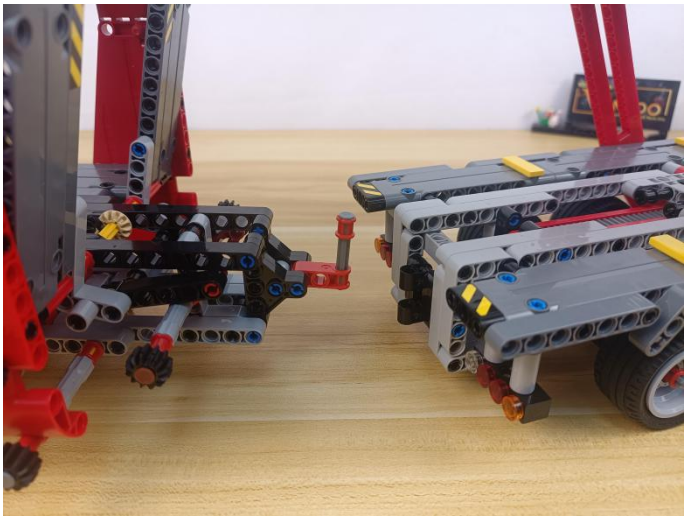
After the verification, disconnect the lights and put them back to the bags.
(note: put the lights back to the bags when verification of the lights from the same bag is done, then, continue to verify the lights in another bag.)
OK, Let's Begin! (you can use the tweezer if necessary.)
(Tips: the tweezer is sharp, you should be careful when using it, do not hurt yourself or scratch the pieces; be gentle and do not wear the cables.)

Instructions for installing this kit:

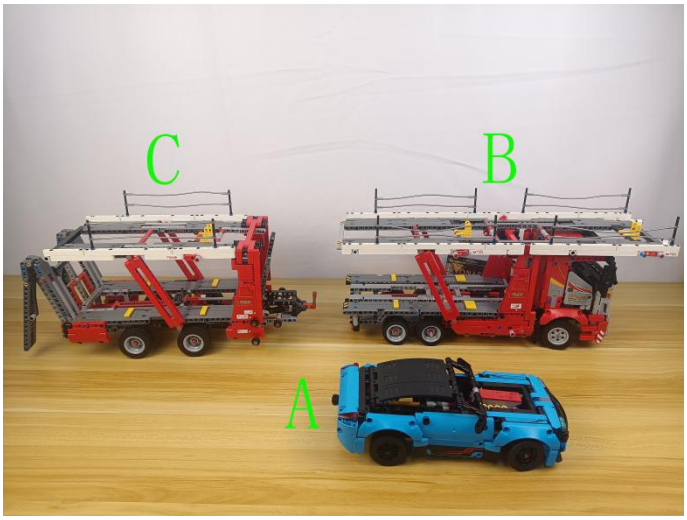
Take the car carrier firstly.

Pull the joint bolt up as per below.





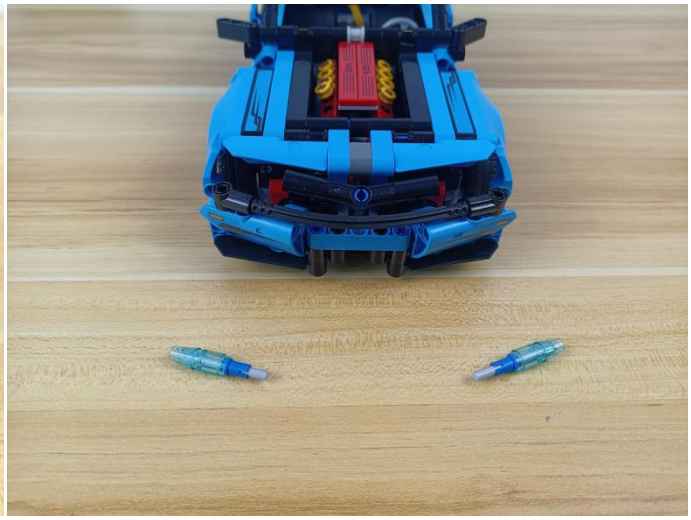
Divide them into A, B and C part.



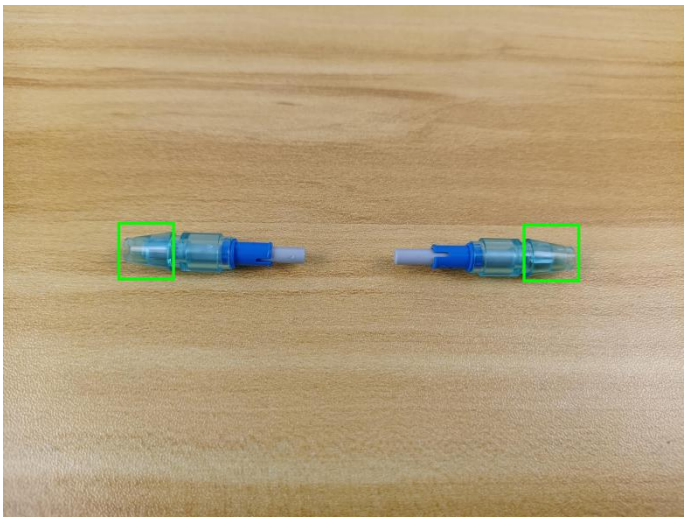
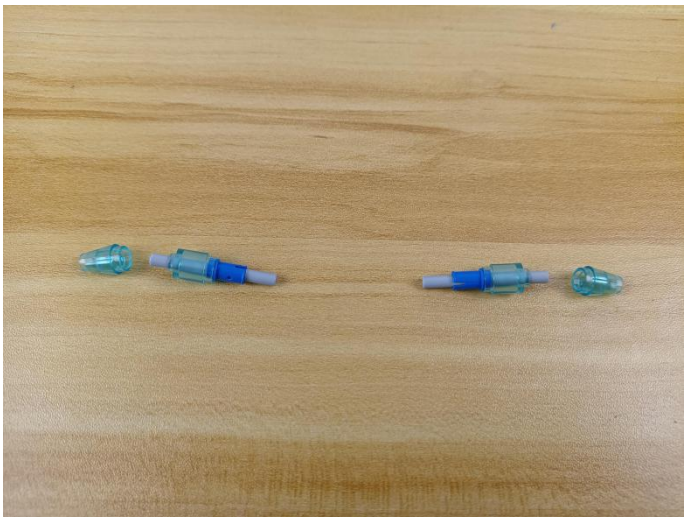
Start from installing lights for the A part.

Turn to the head.

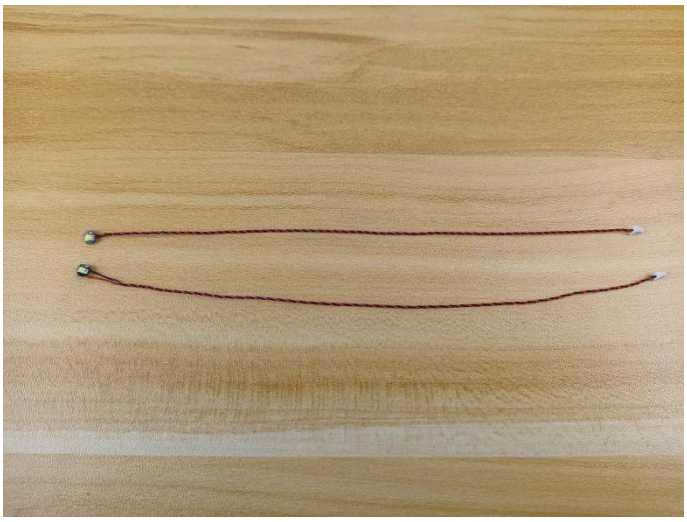
Remove the following blue pieces from both sides.



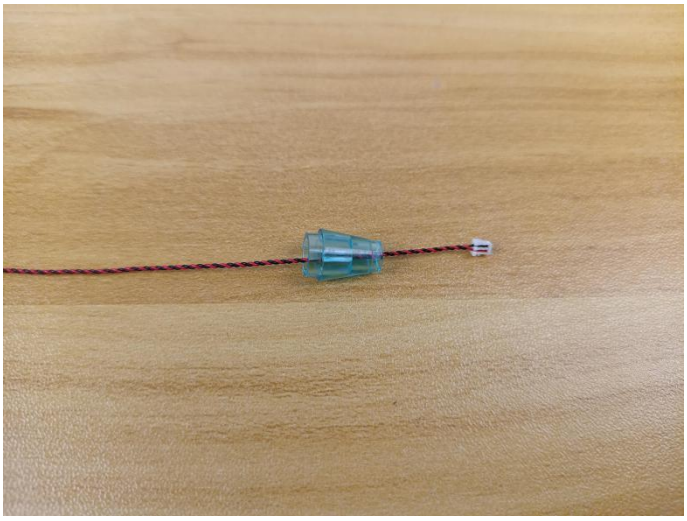
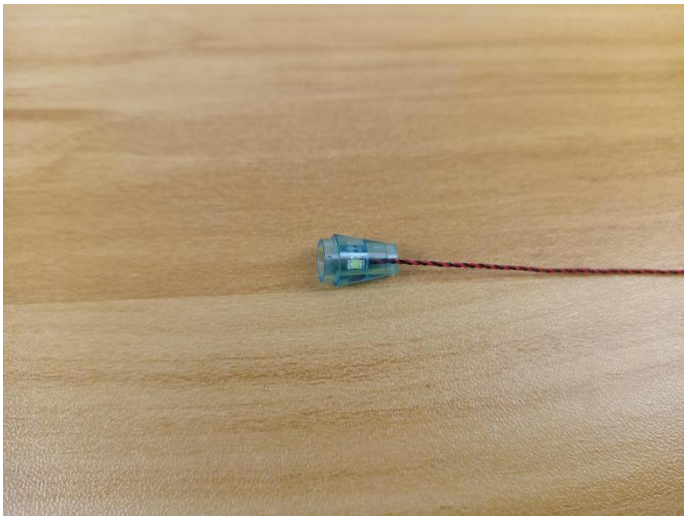
Continue to disconnect the following blue pieces.

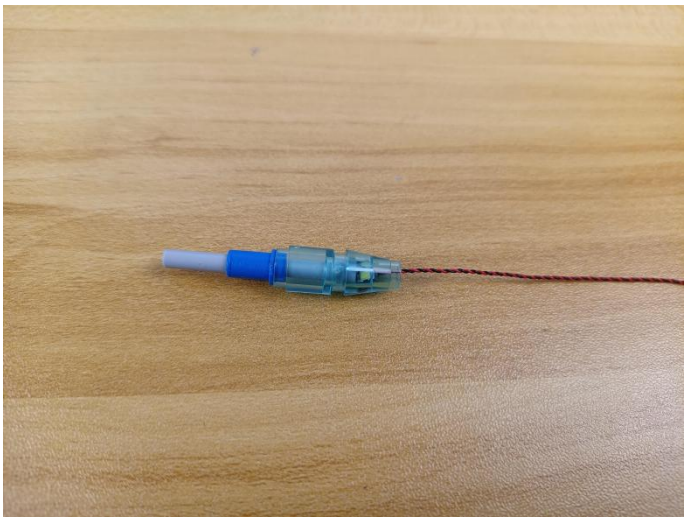
Take 2 white 15cm dot lights.



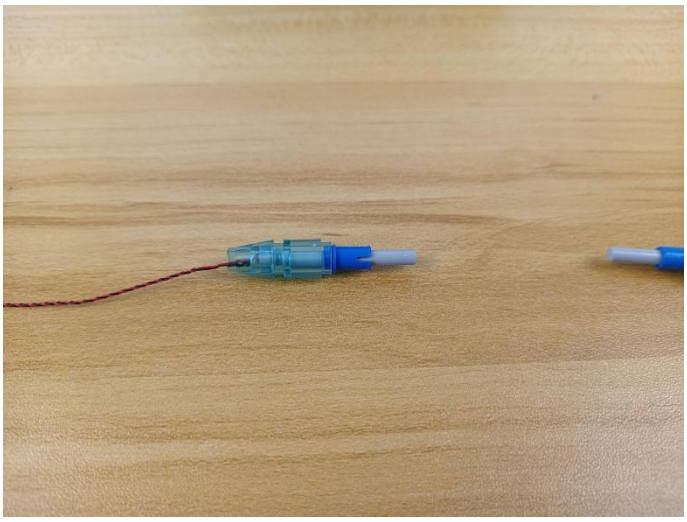
Thread the cable through the hole and tighten it up.

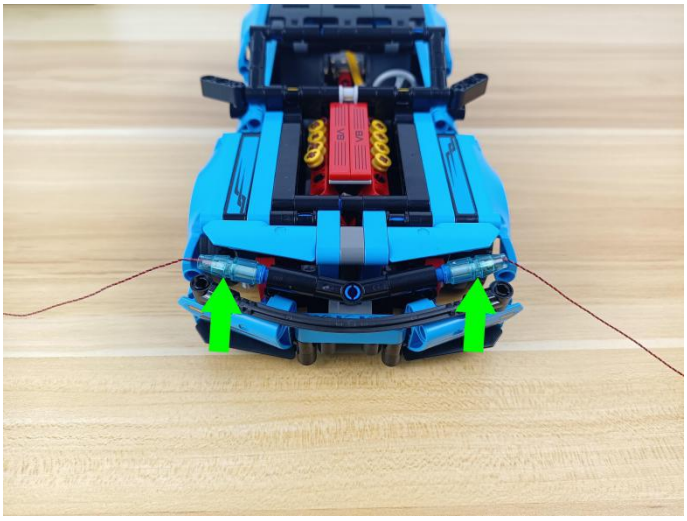
Reconnect the blue piece.



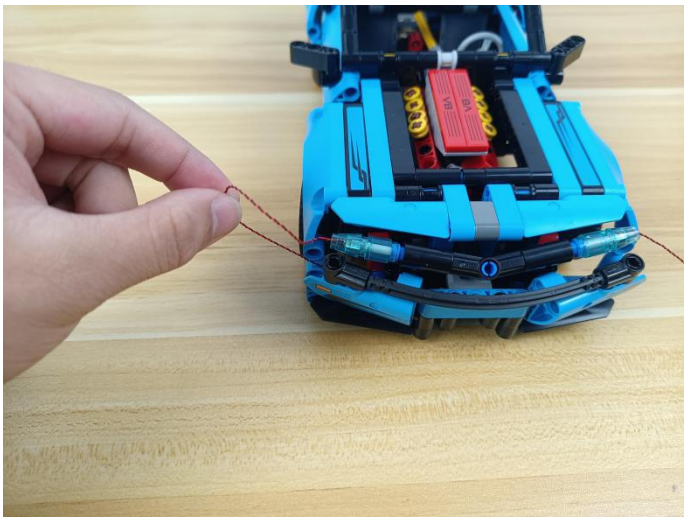
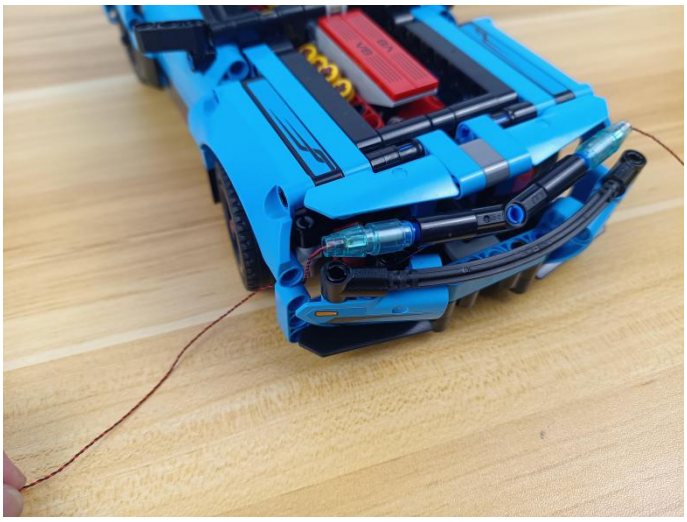
Install the other light in the same way.



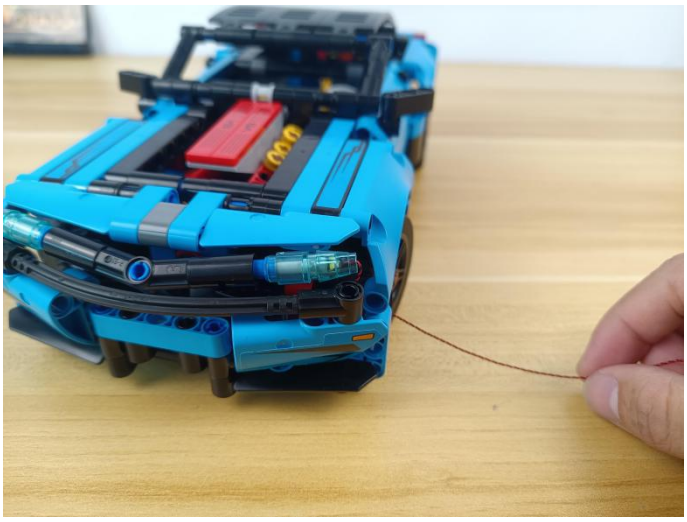
Reconnect the blue pieces.



Thread the cable through the following space, and pull it out from the bottom.

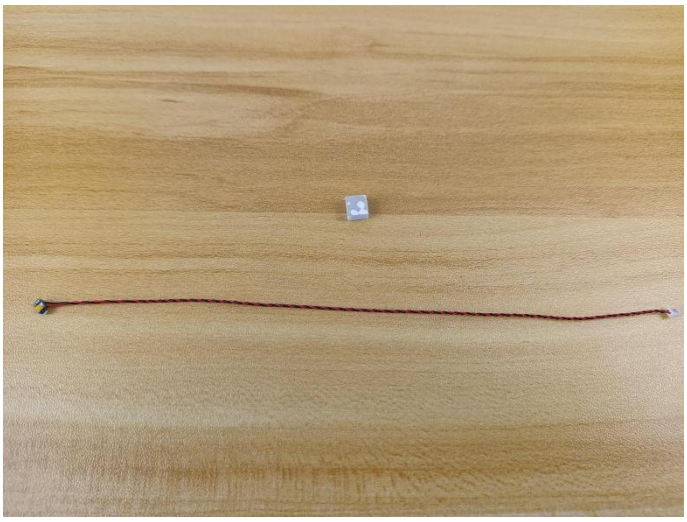



Place the cable at the other side in the same way.

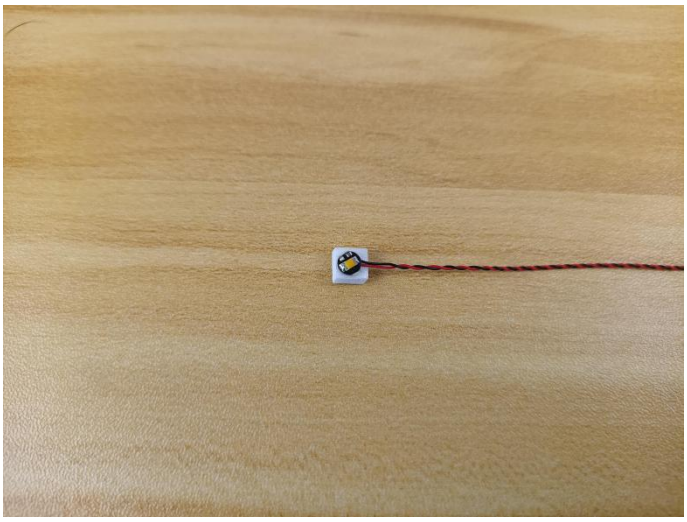


Turn to the side.

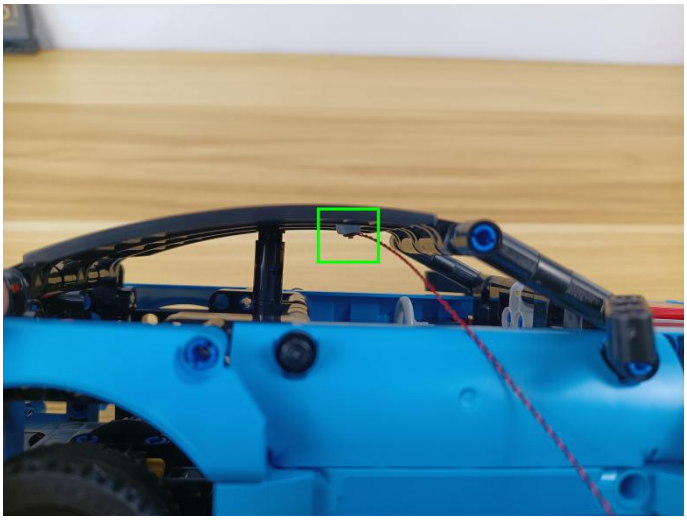
Take a warm white 15cm dot light, an adhesive square.



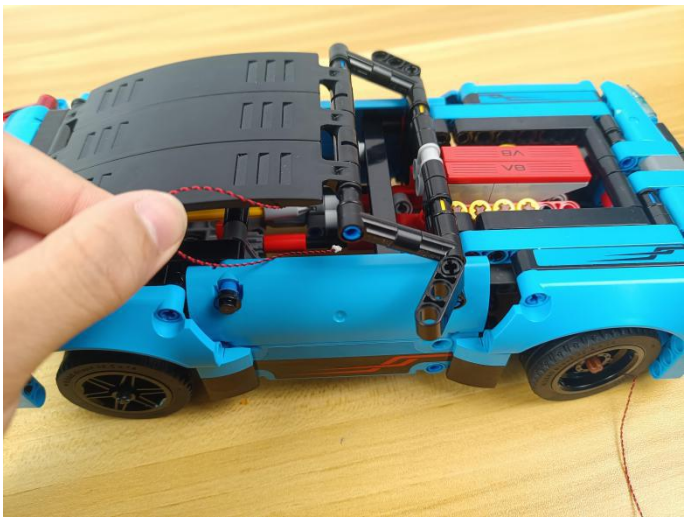
Stick the adhesive square to the back of the light.



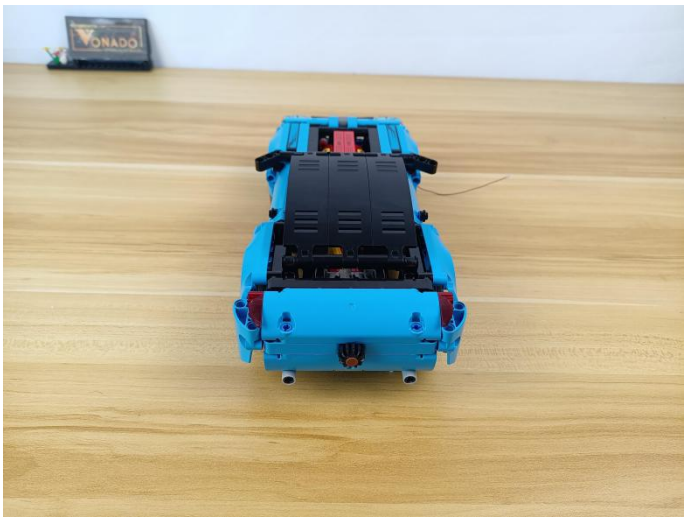
Stick the light to the roof inside as per below.



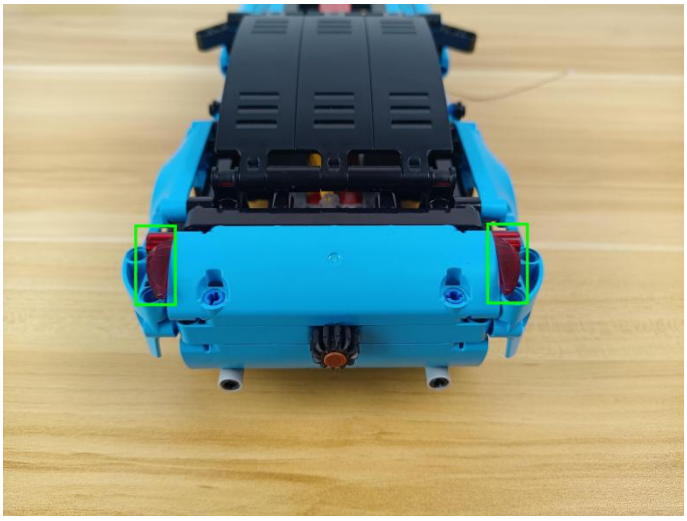
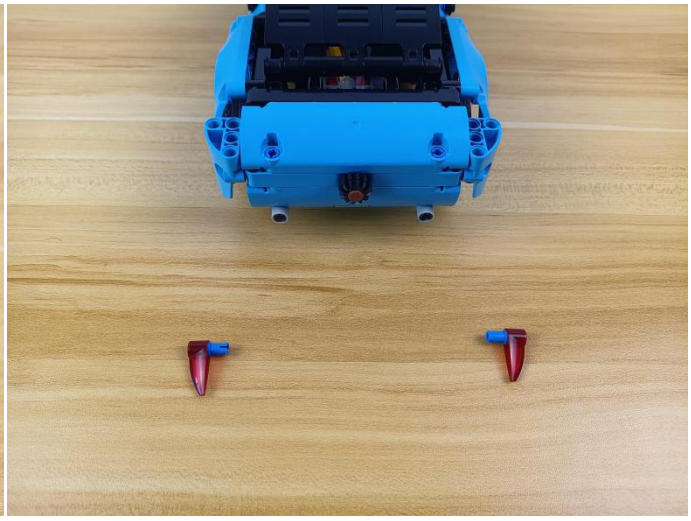
Thread the cable through the following space, and pull it out from the bottom.



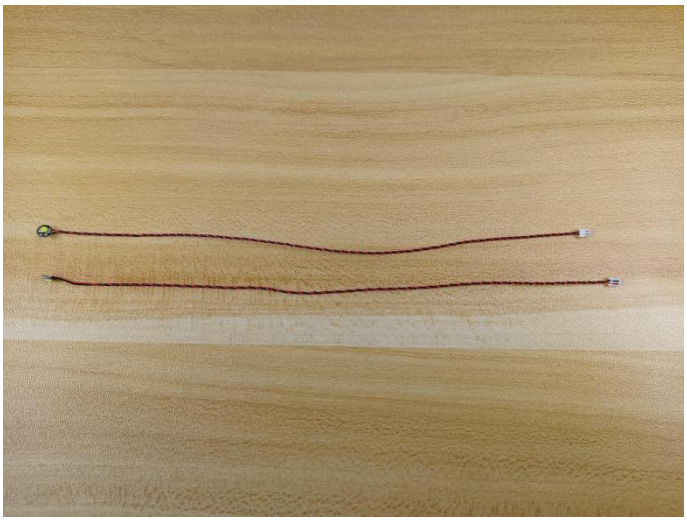
Turn to the tail.



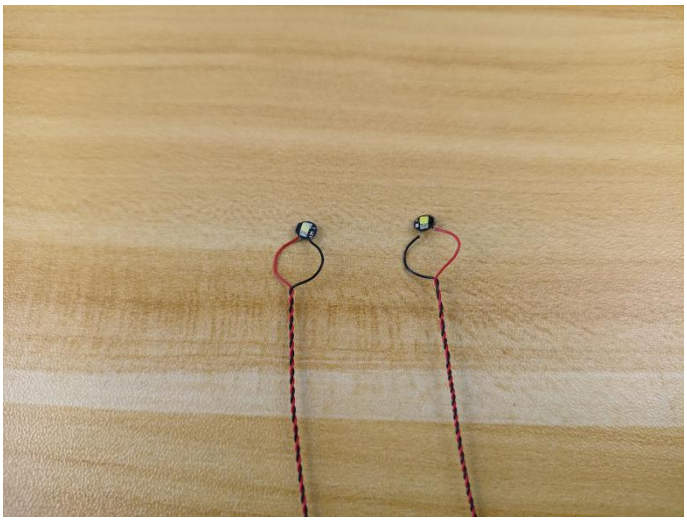
Remove the following red pieces from both sides.

Take 2 white 15cm dot lights.



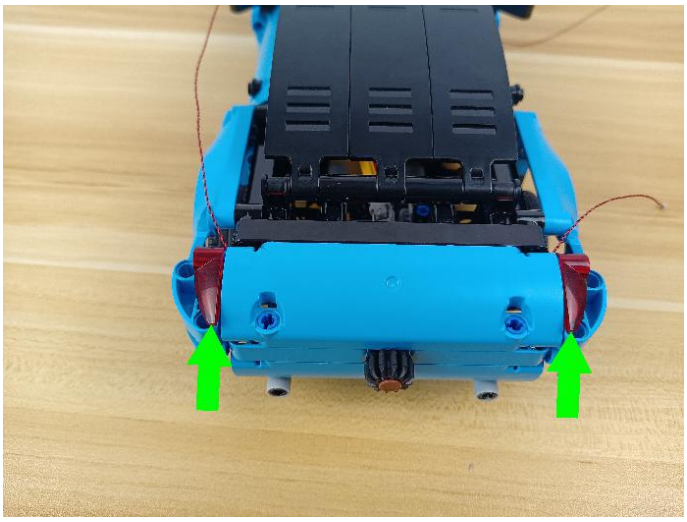
Split the cables as per below.



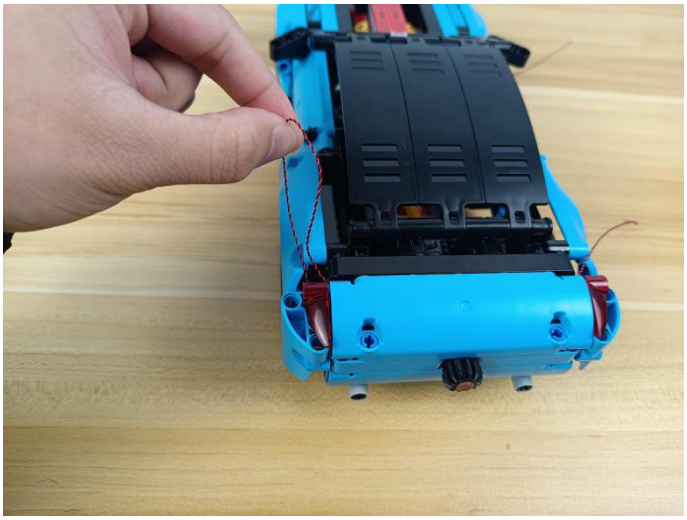
With lighting part facing outside, connect the lights at the blue pieces.

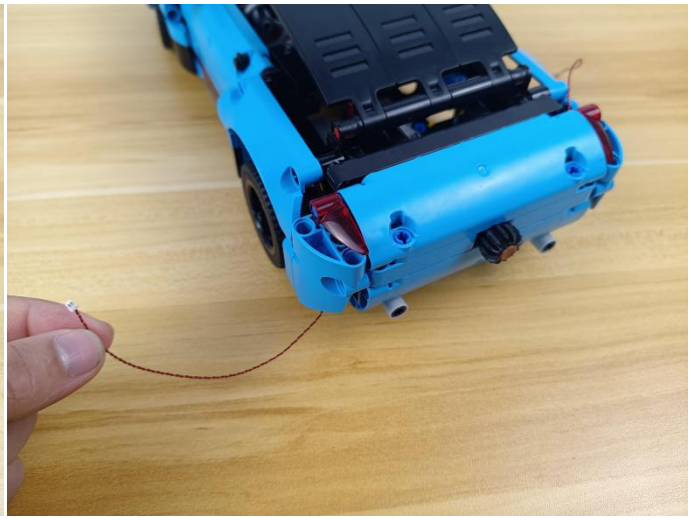
Tighten the cables up.

Reconnect the red pieces.

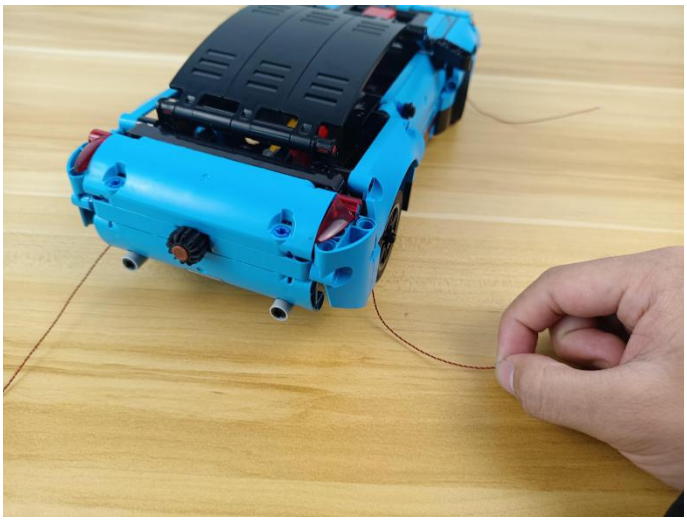


Thread the cable through the following space, and pull it out from the bottom.

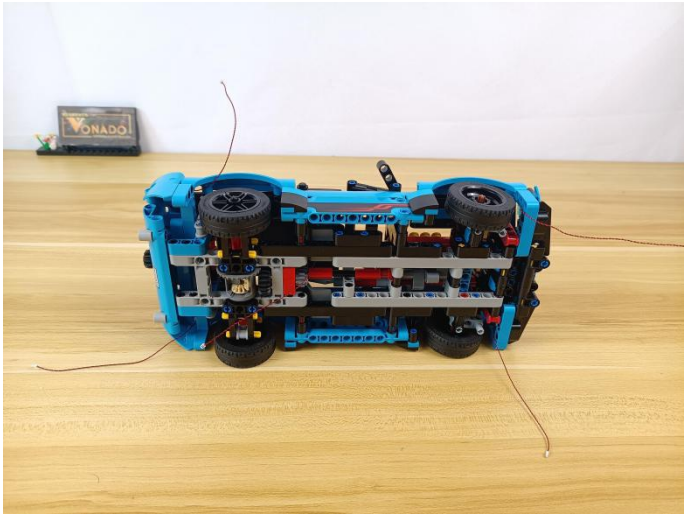




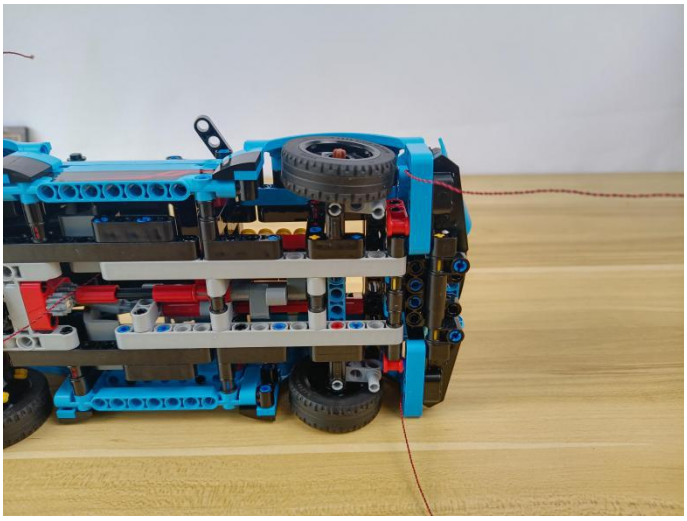
Place the cable at the other side in the same way.



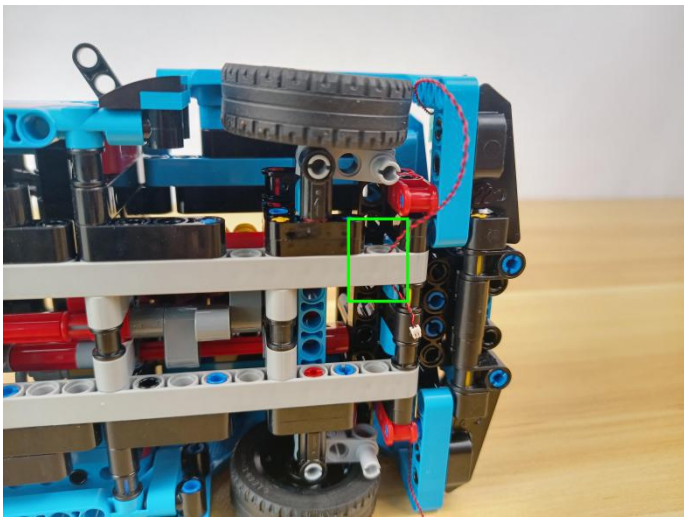
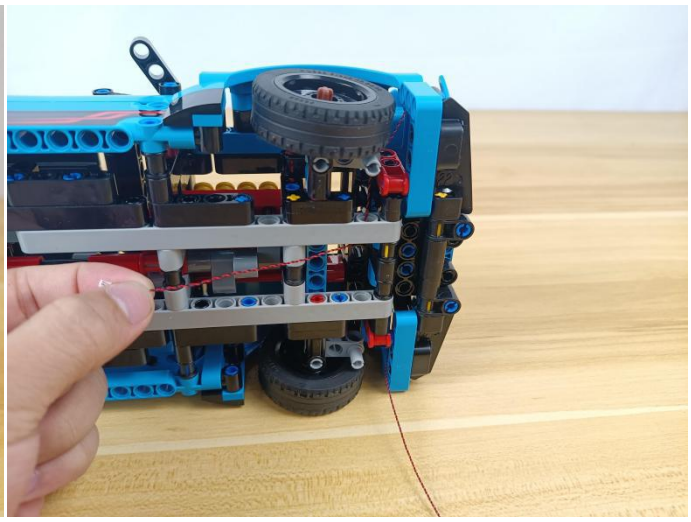
Turn the car over.



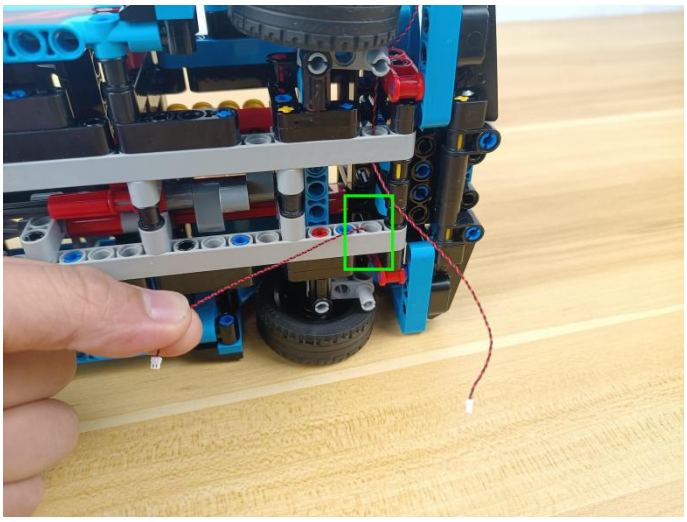
Turn to the head.



Thread the following cable through the following space, and pull it out.

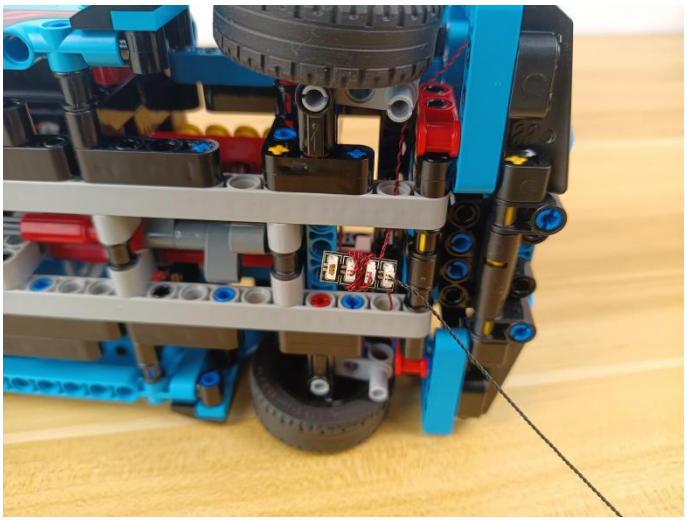



Continue to thread the following cable through the hole and pull it out.

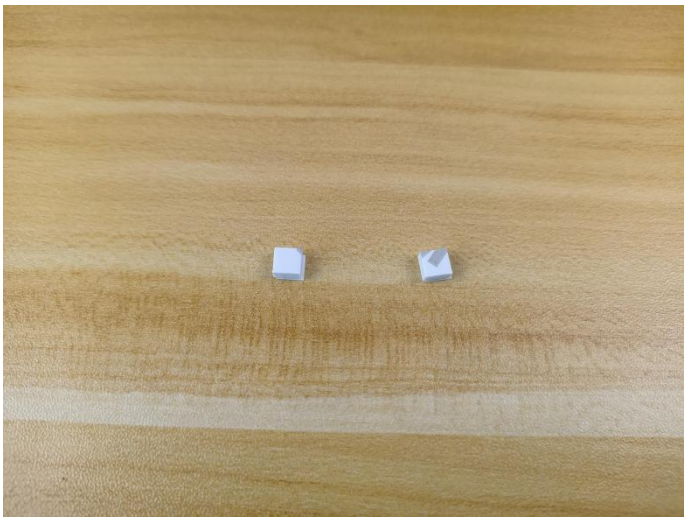


Take a 15cm connecting cable, a 4-port expansion board, assemble the as per below.

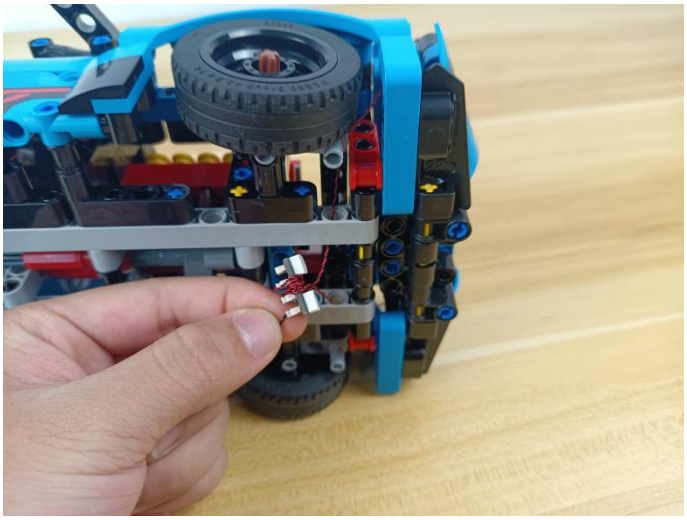
Connect the following 2 cables to the expansion board, you can tuck excess cables around the expansion board.

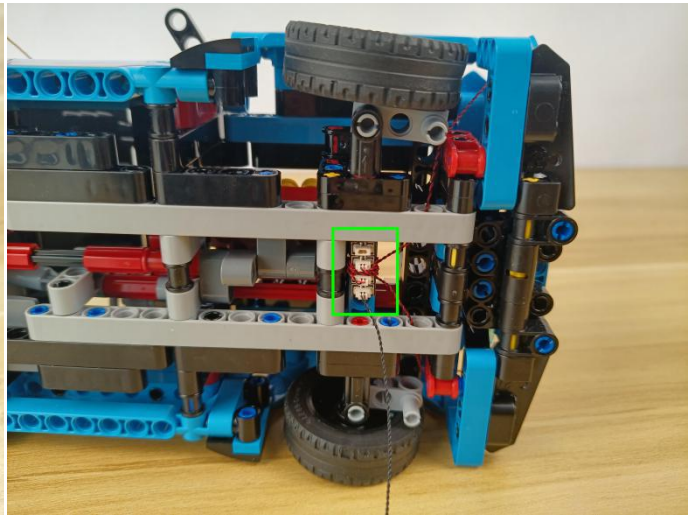


Take 2 adhesive squares.

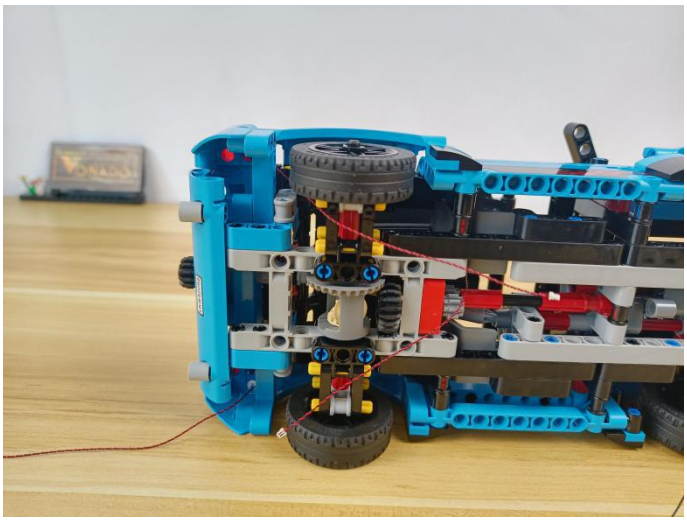


Stick them to the back of the expansion board, and stick the expansion board to the following place.

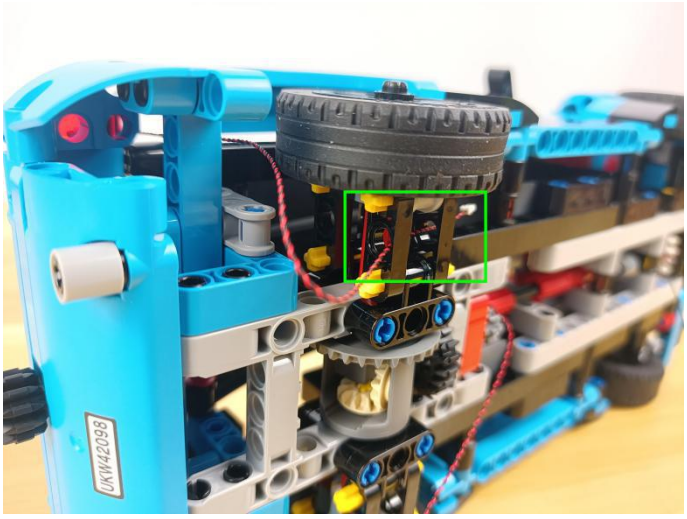


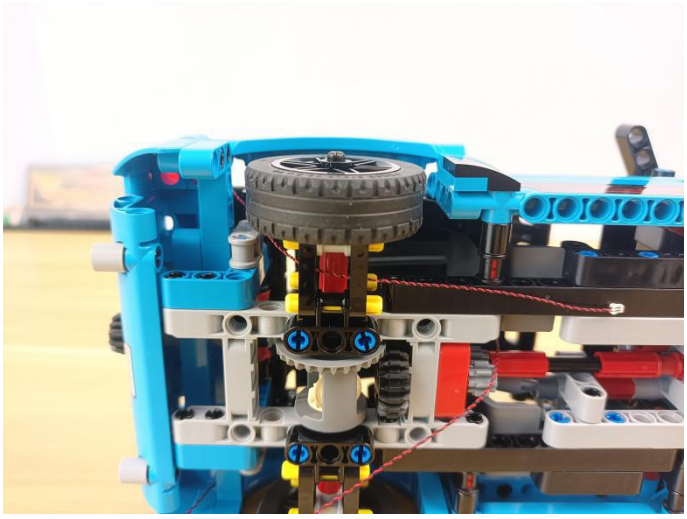


Turn to the tail.

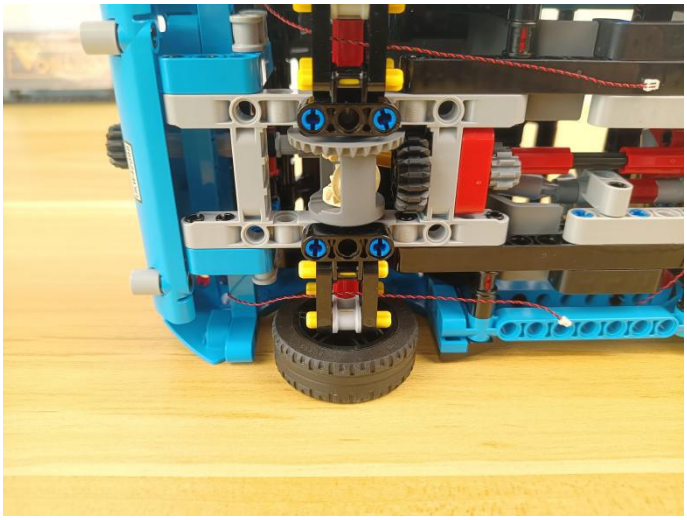


Thread the following cable through the black piece.

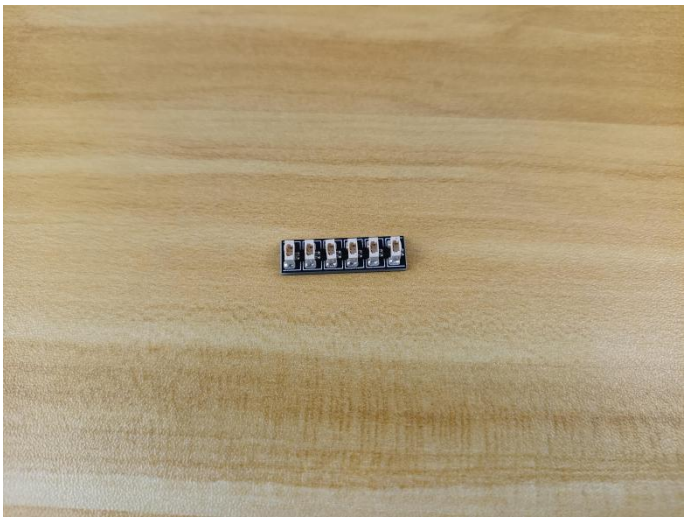




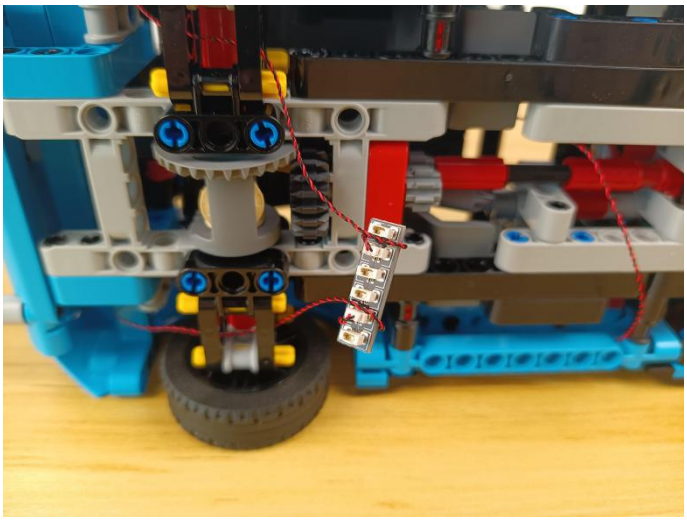
Place the following cable similarly.



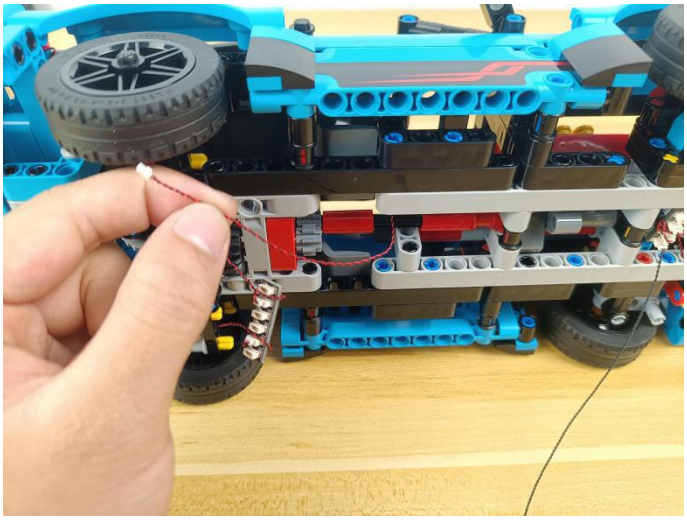
Take a 6-port expansion board.

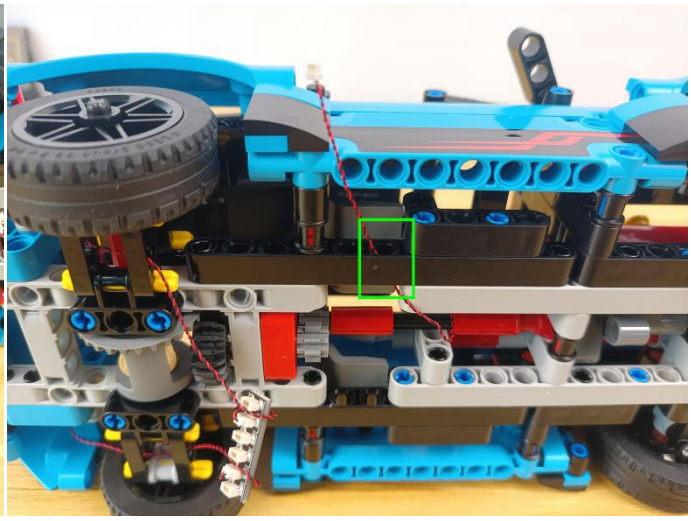


Connect the follwoing 2 cables to the expansion board.

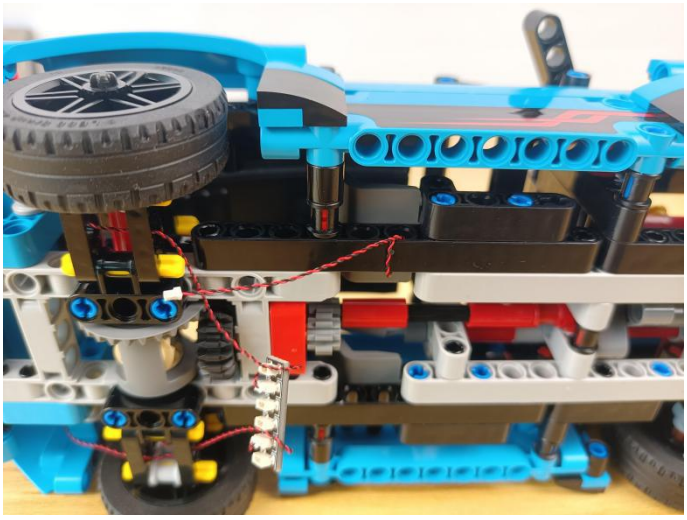
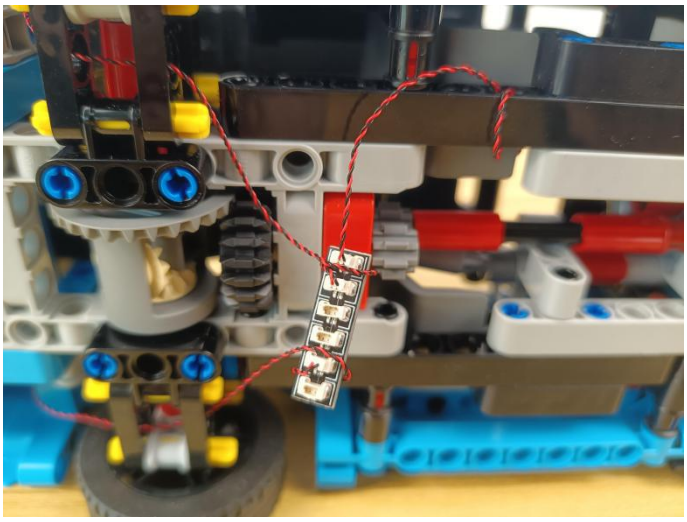


Thread the cable from the roof inside through the following space.

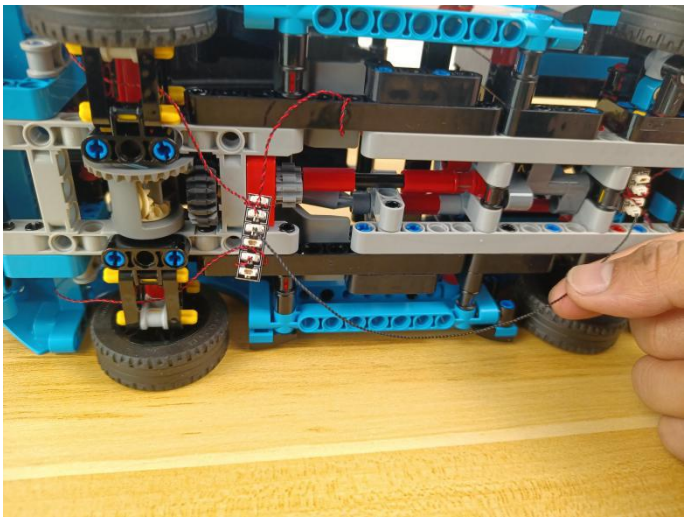




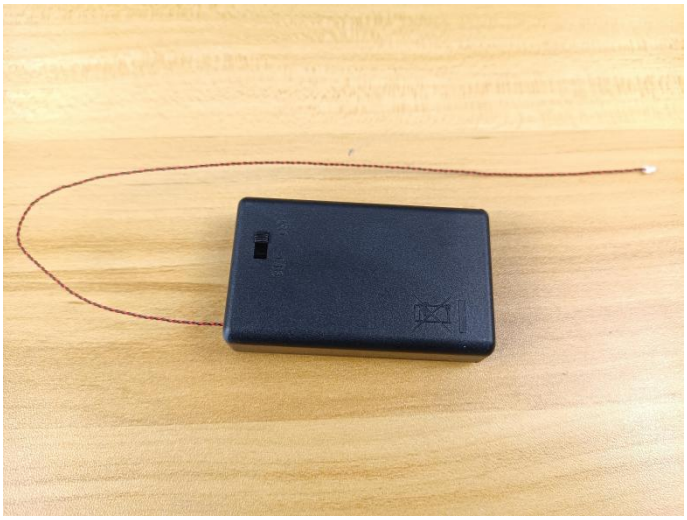
Wind it around the black piece before connecting it to the expansion board.

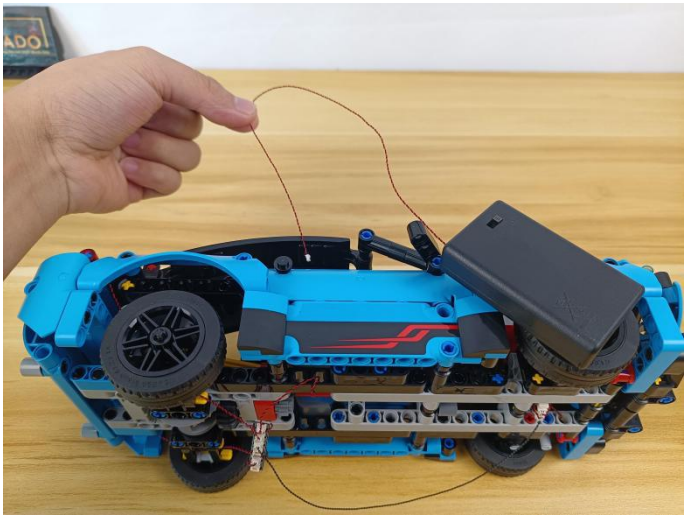
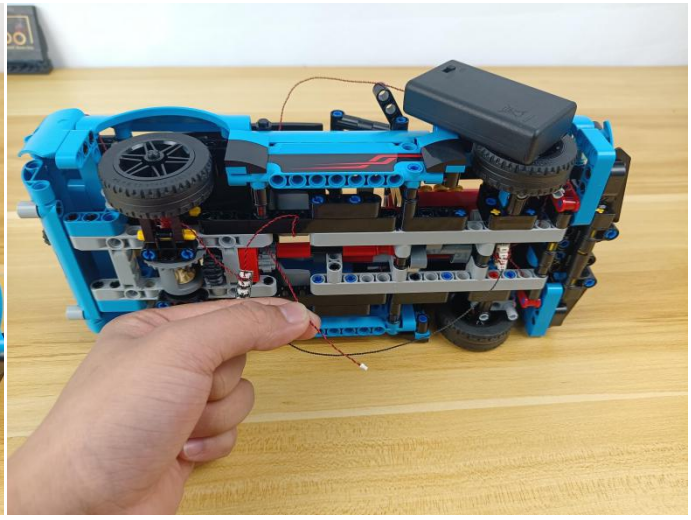
Connect the cable from the 4-port expansion board to the 6-port expansion board.



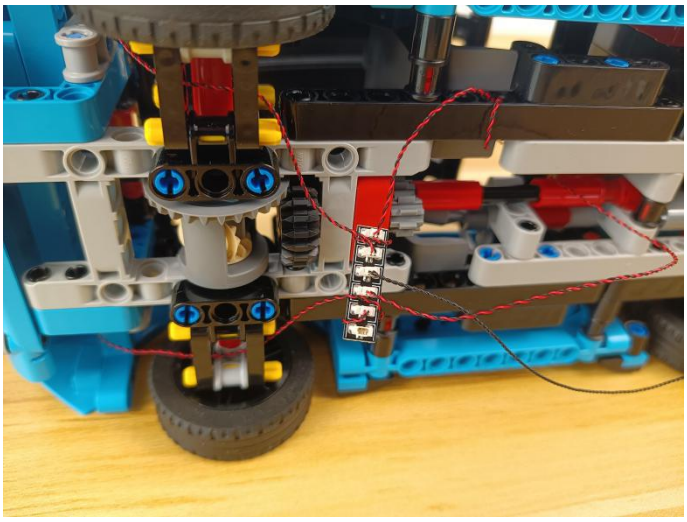
Take an AAA battery pack.



Thread the cable from the battery pack through the car to the bottom.

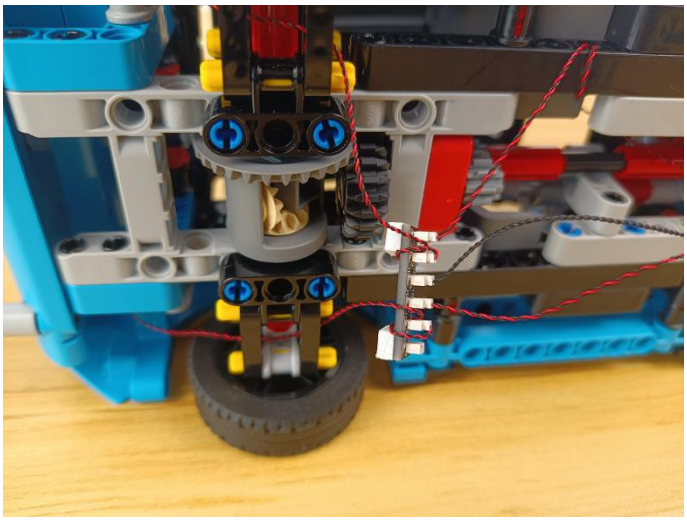
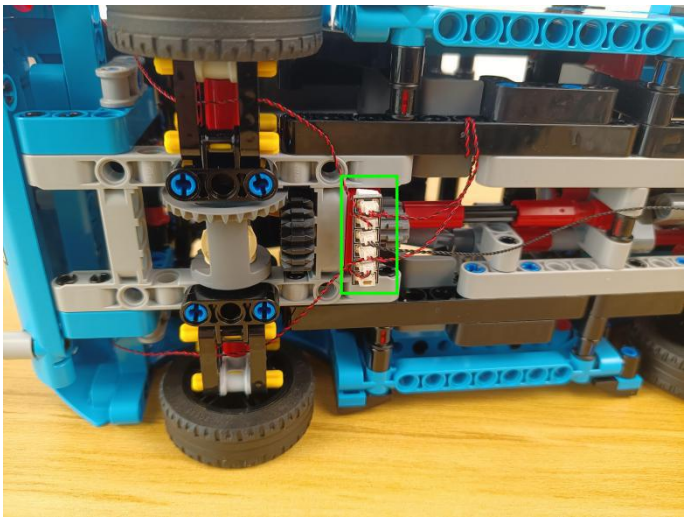



Connect the cable from the battery pack to the 6-port expansion board.

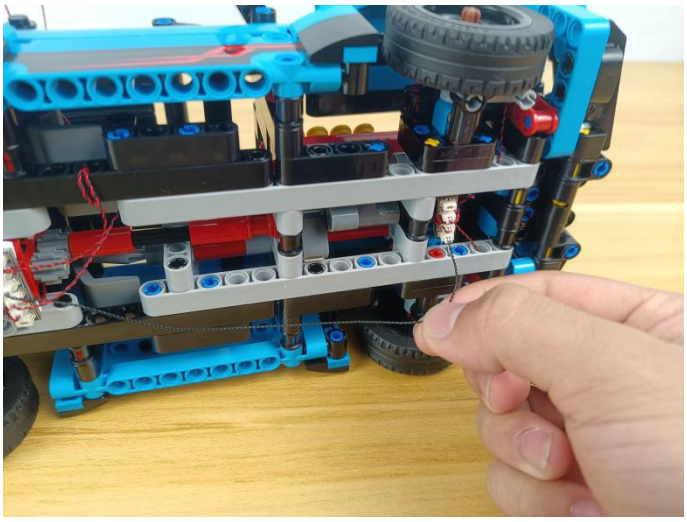
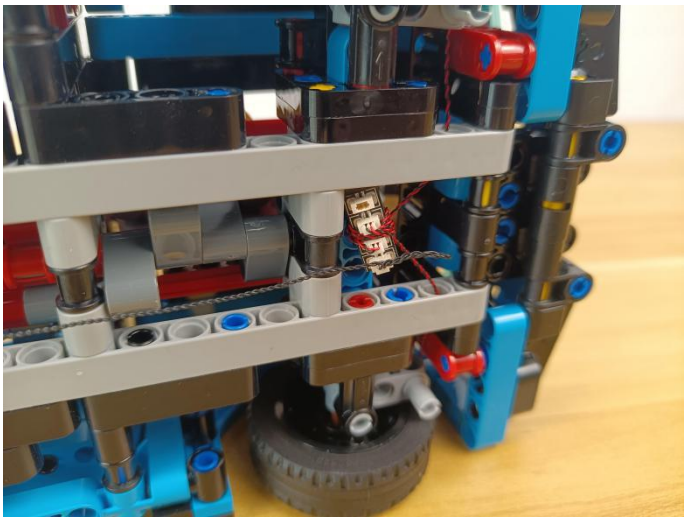


Take 2 adhesive squares.

Stick them to the back of the expansion board, and stick the expansion board to the following place.

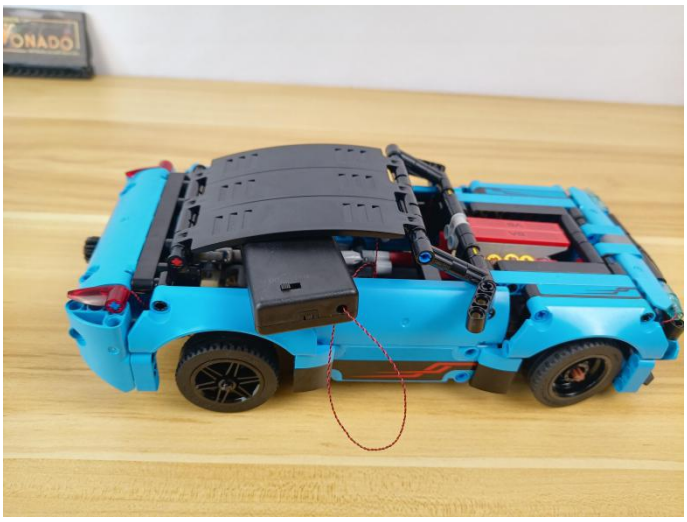



Tighten excess cables up as per below.

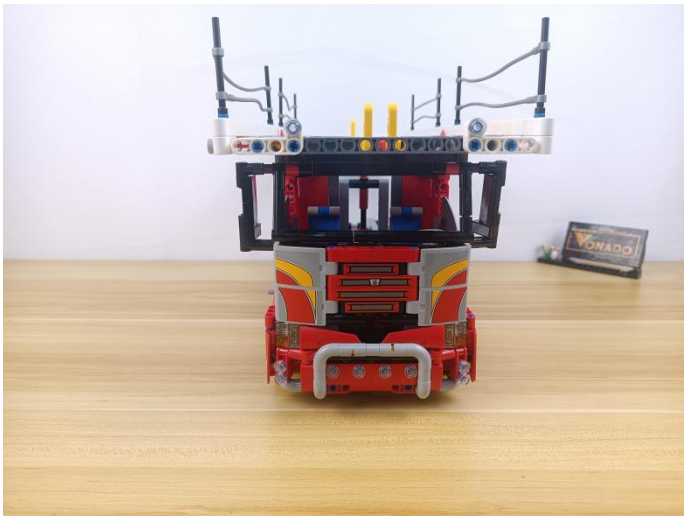
Turn the car to the side.

Tuck the battery pack inside the driver’ s room.

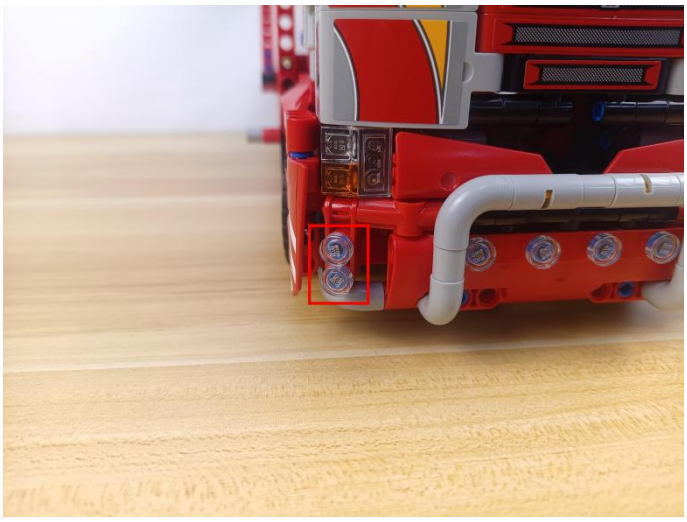


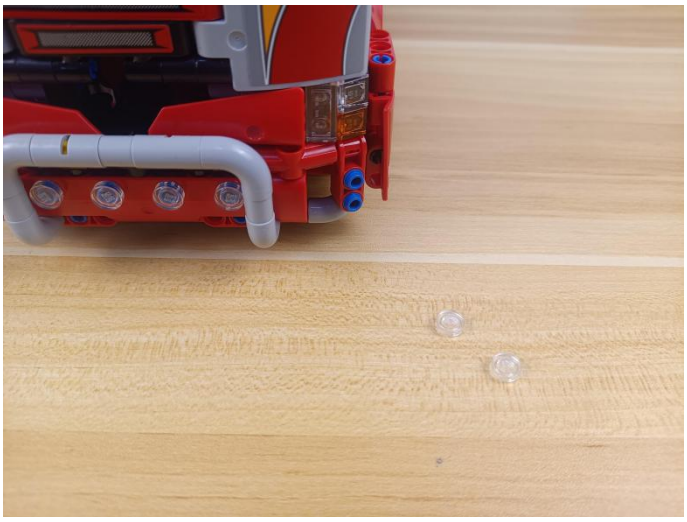
Start from installing lights for the B part.

Turn it to the front.

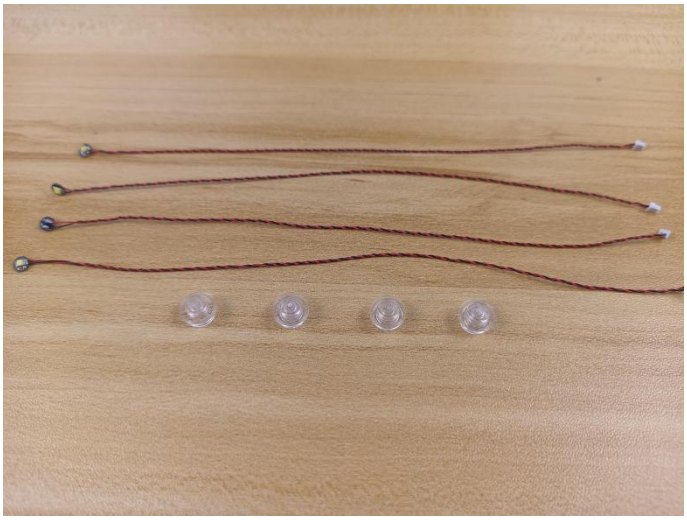


Remove the following 2 round plates from each side.

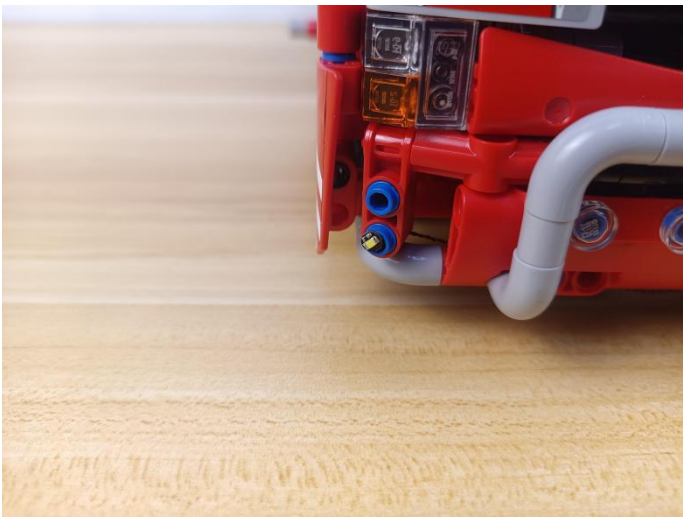




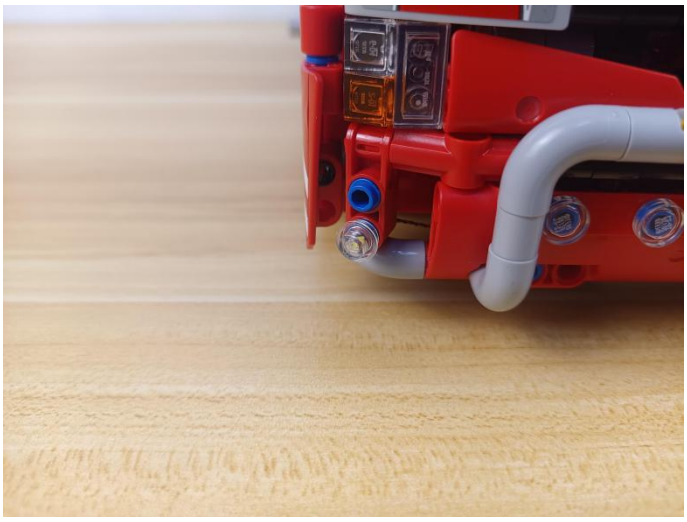
Take 4 white 15cm bit lights, 4 trans white 1x1 round plates.



With lighting part facing up, thread the following cable through the hole, and pull it to the bottom.

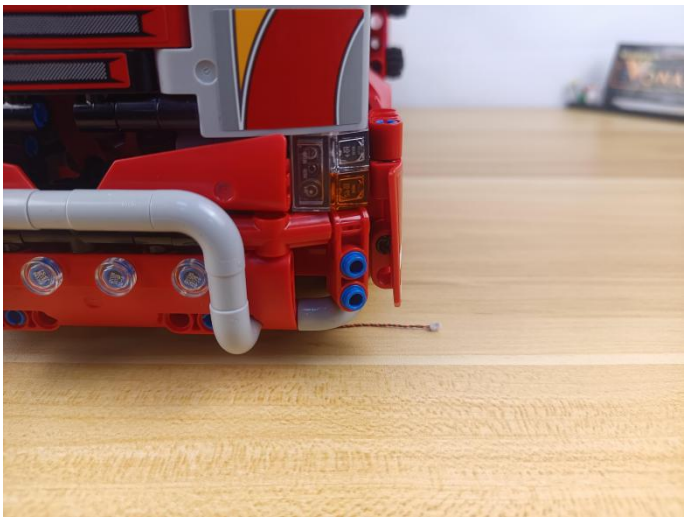
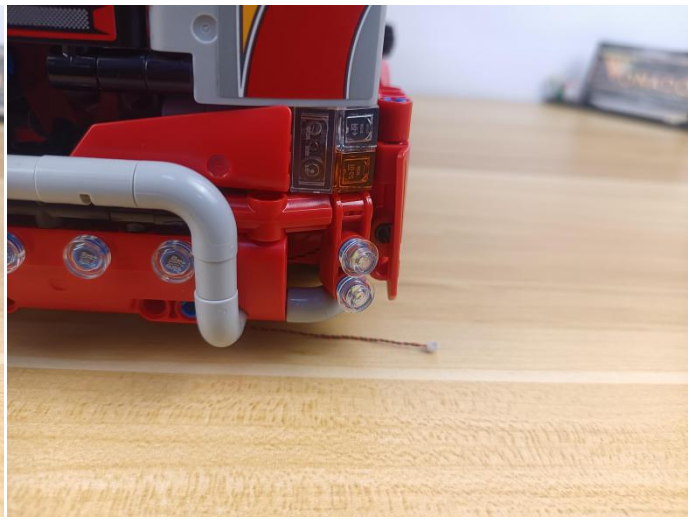


Connect the white round plate over.

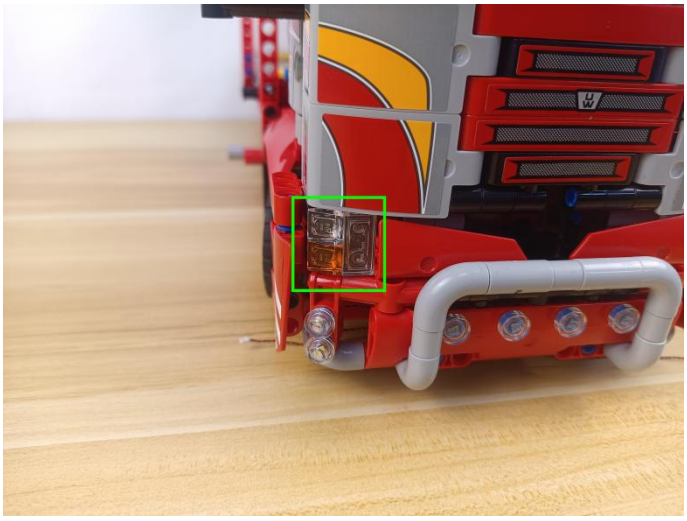


Install the other light in the same way.

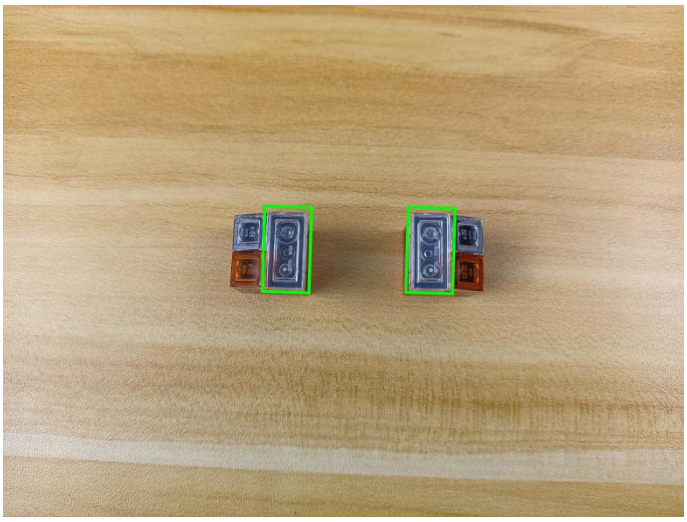
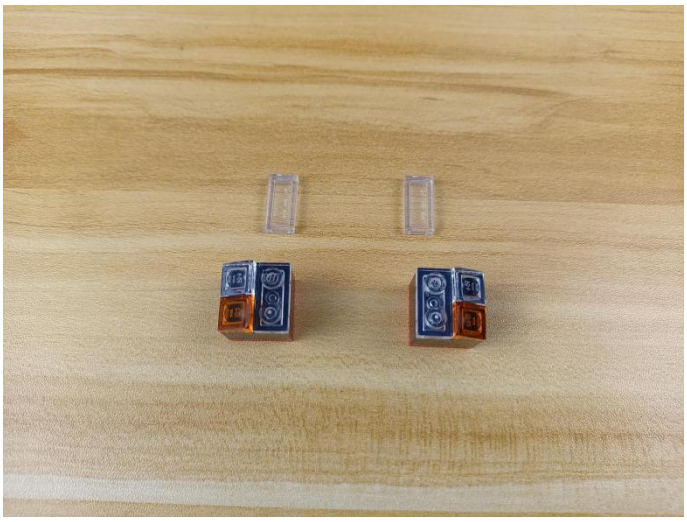
Turn to the right, install the following 2 lights as we did before.

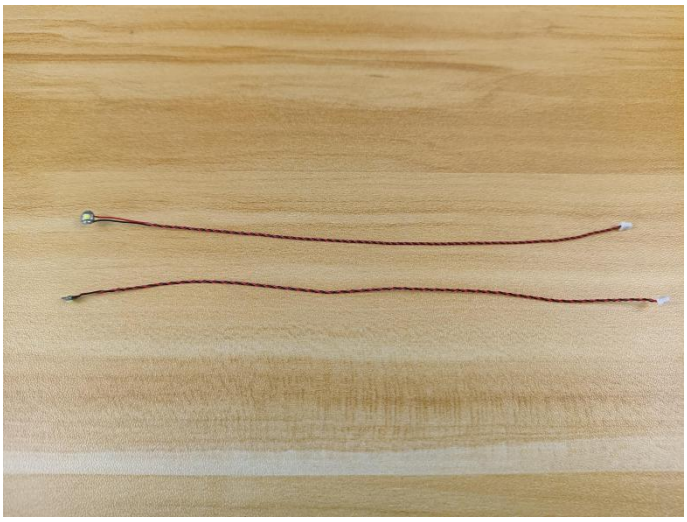
Remove the following pieces from both sides.



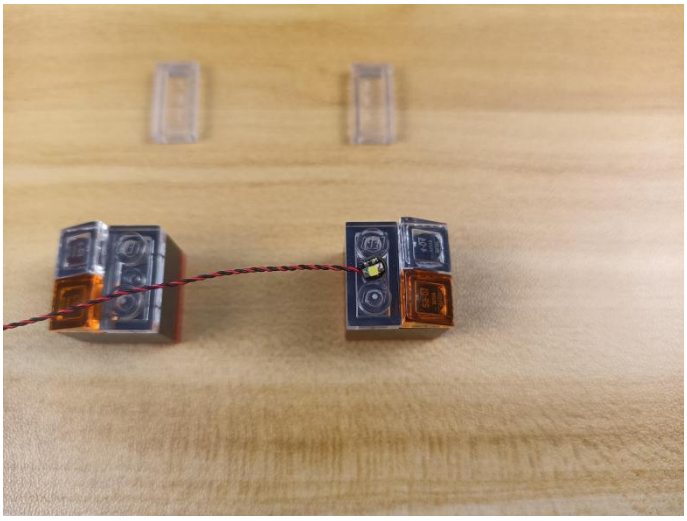
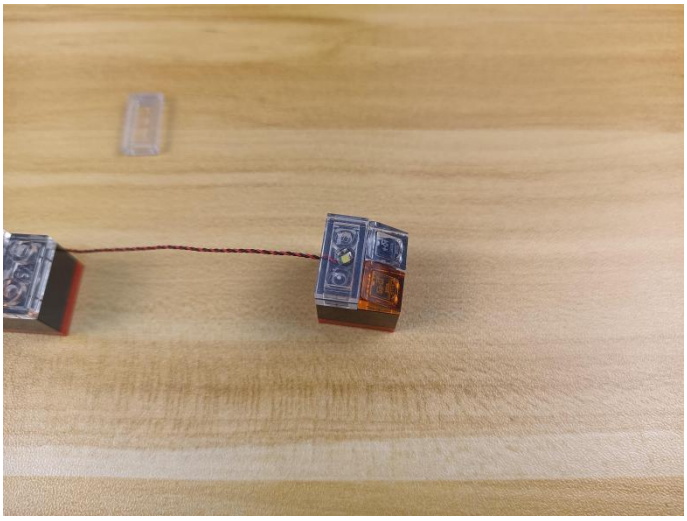
Remove the following white plates.

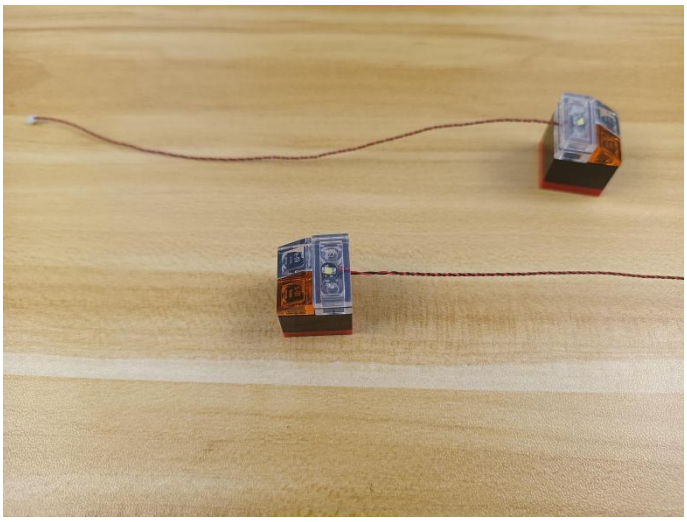
Take 2 white 15cm bit lights.



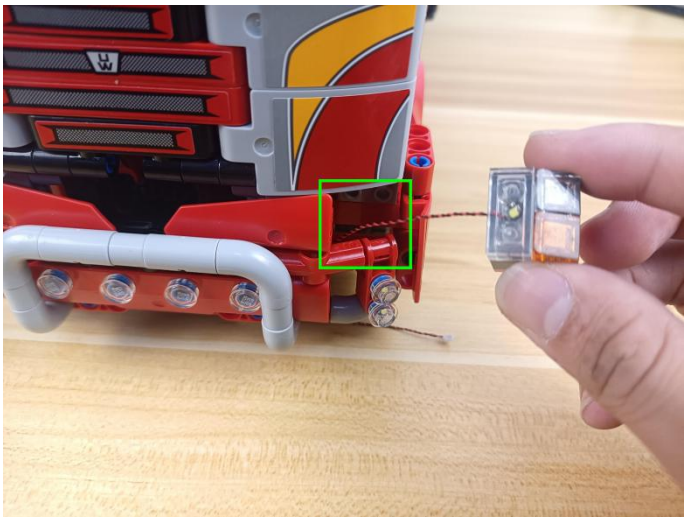
With lighting part facing up, reconnect the white plate.

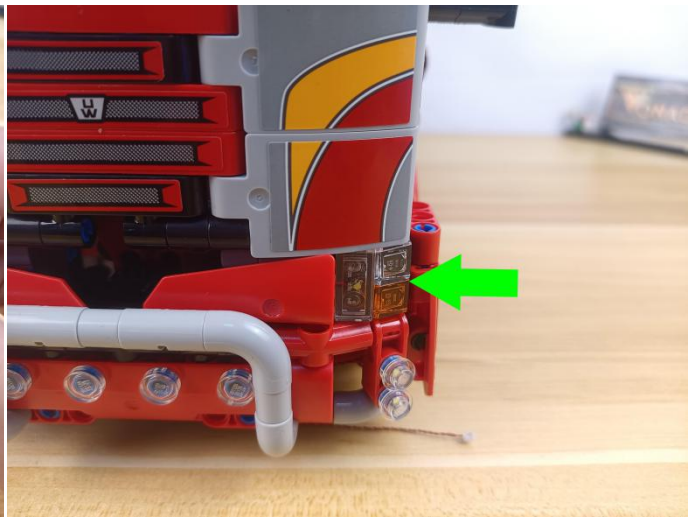



Install the other light in the same way.

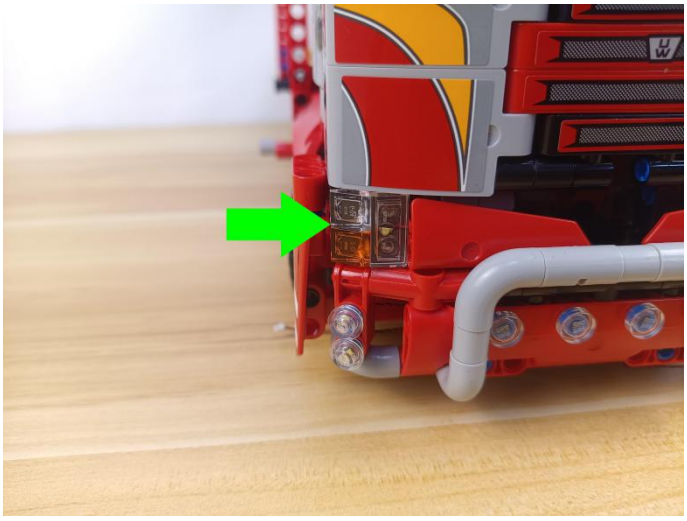


Thread the following cable through the space to the bottom, and reconnect the piece.



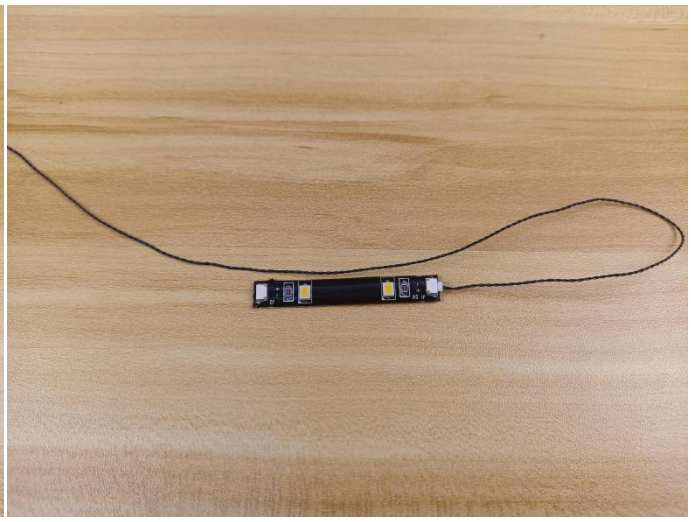


Install the light at the other side in the same way.



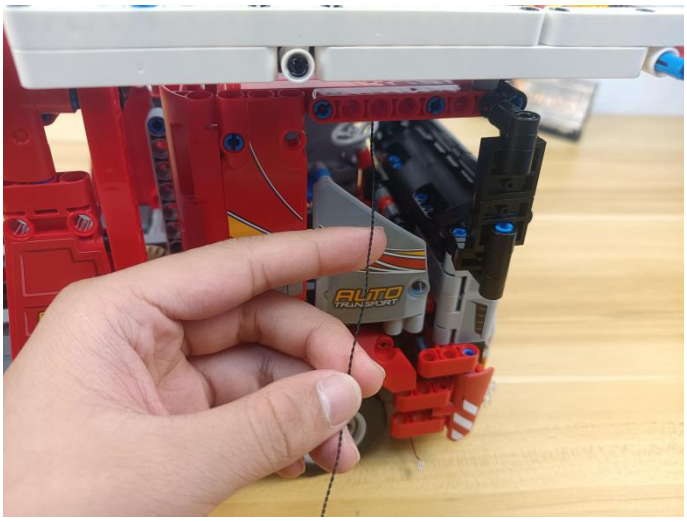
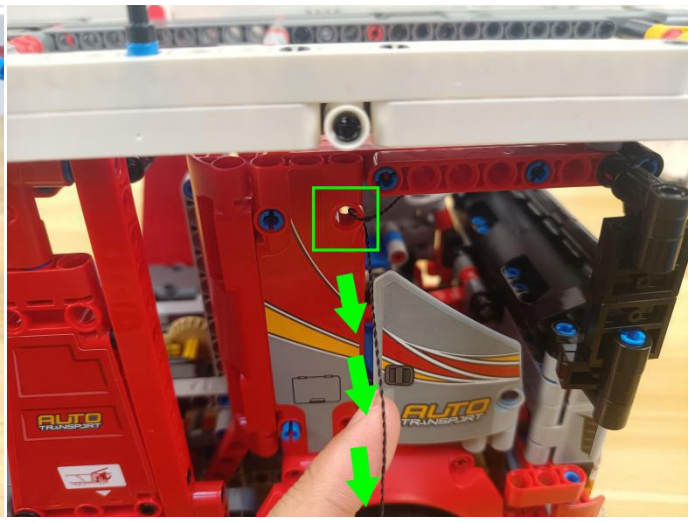
Turn to the side.

Take a 30cm connecting cable, a warm white strip light, assemble them as per below.

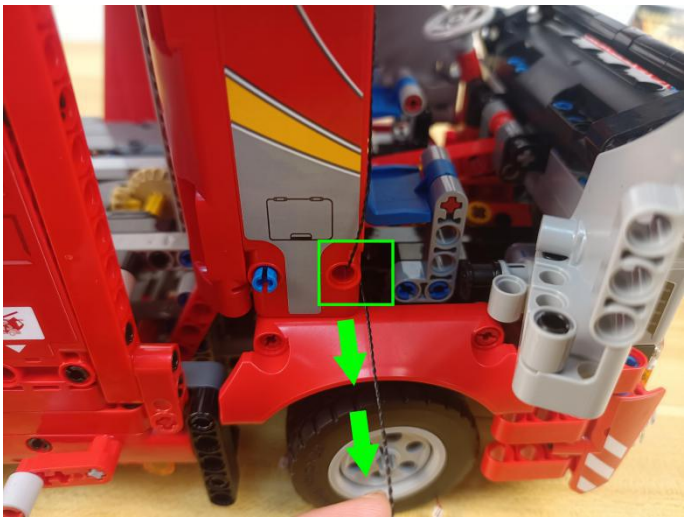


Stick the strip light inside the driver’s room.

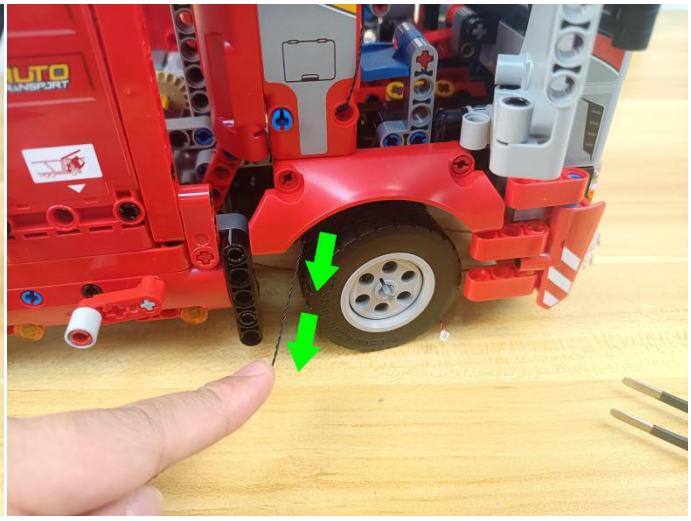
Thread the following cable through the hole, and pull it out.

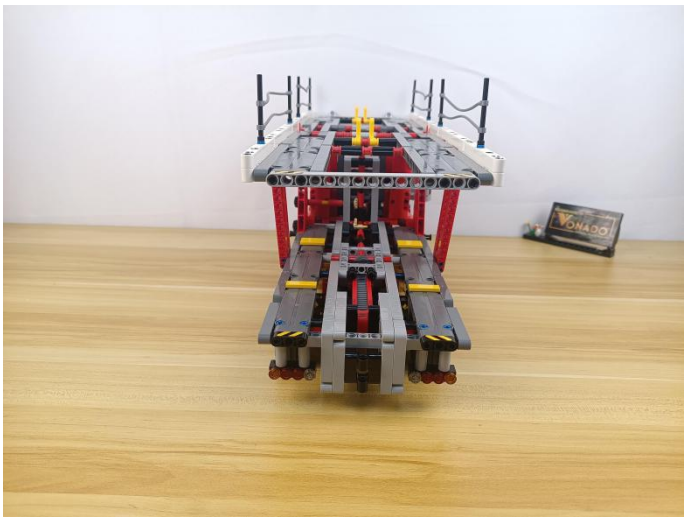
Continue to thread it through the following hole.



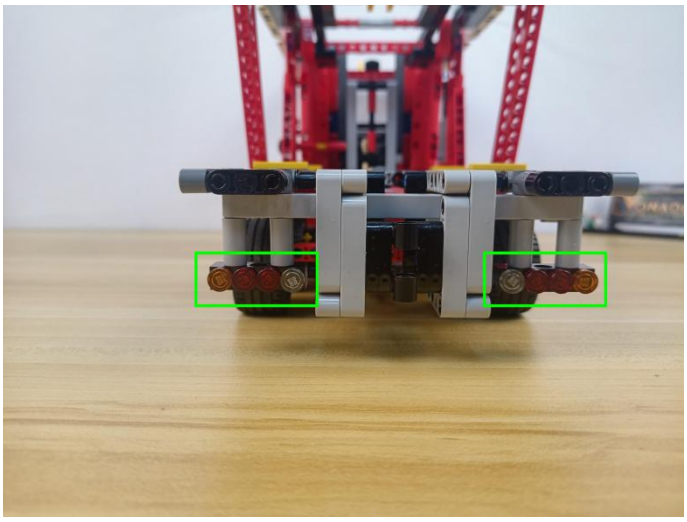
And thread it through the following space to the bottom.

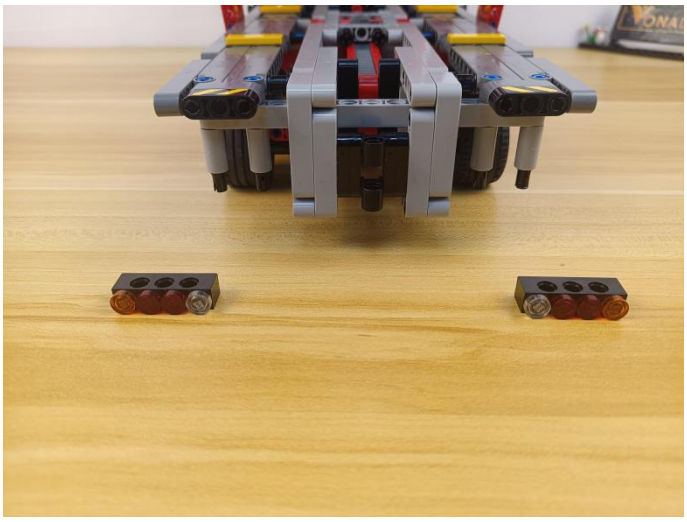


Turn to the following place.

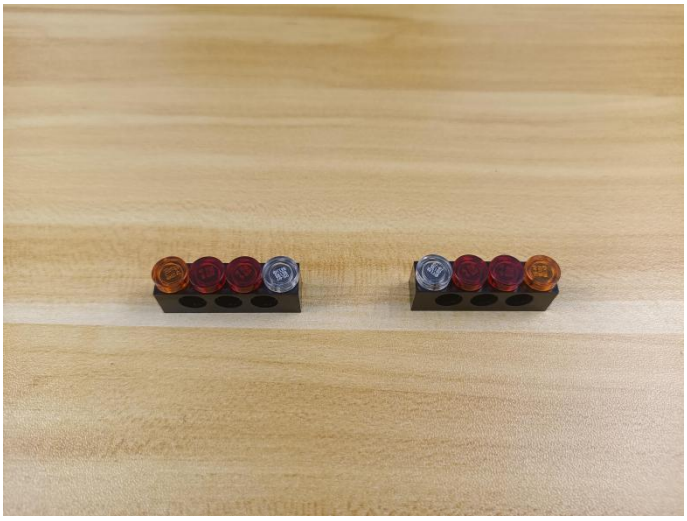


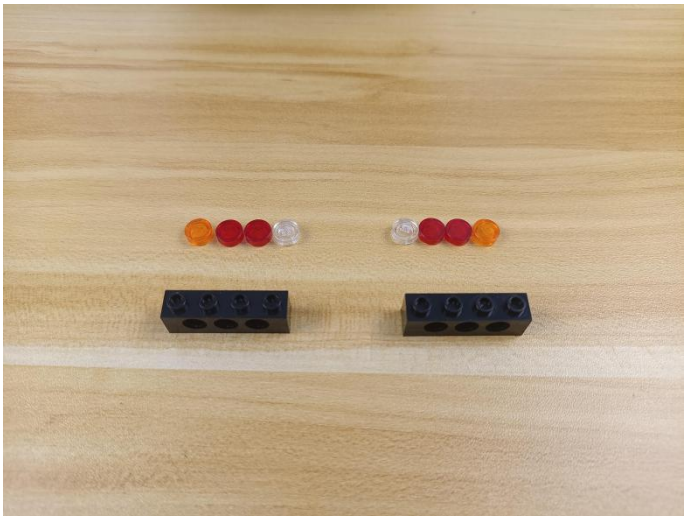
Remove the following pieces from both sides.



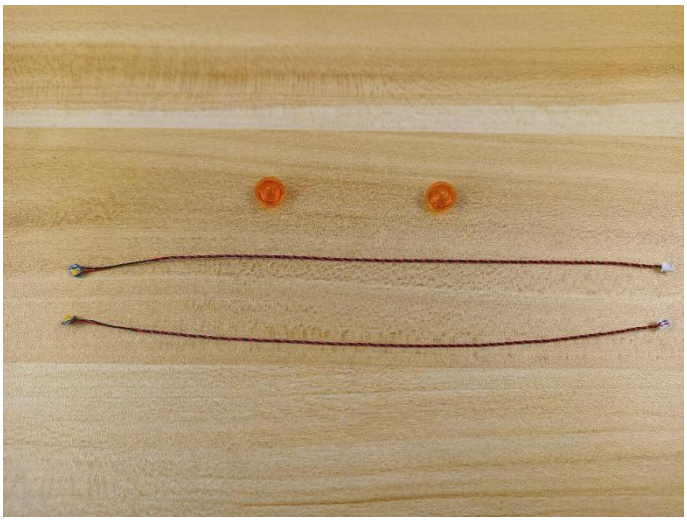


Continue to disconnect all the round plates from them.





Take 2 warm white 15cm bit lights, 2 trans orange 1x1 round plates (with opening).

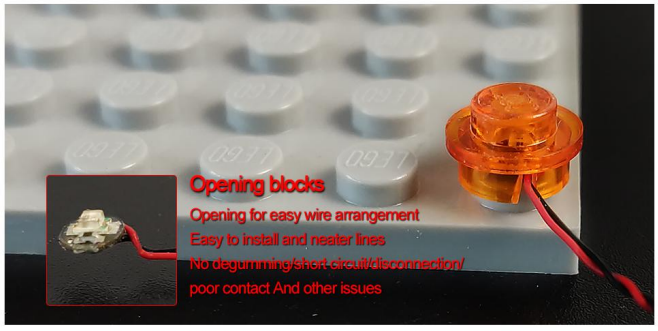


Friendly tips

The small round pellets in the parts package are designed with openings. After manual processing, the cut-out gap is about 1mm wide and 2mm deep.

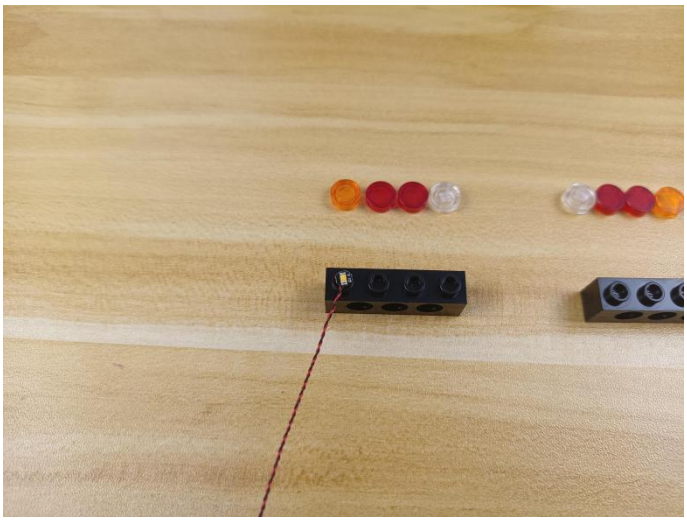
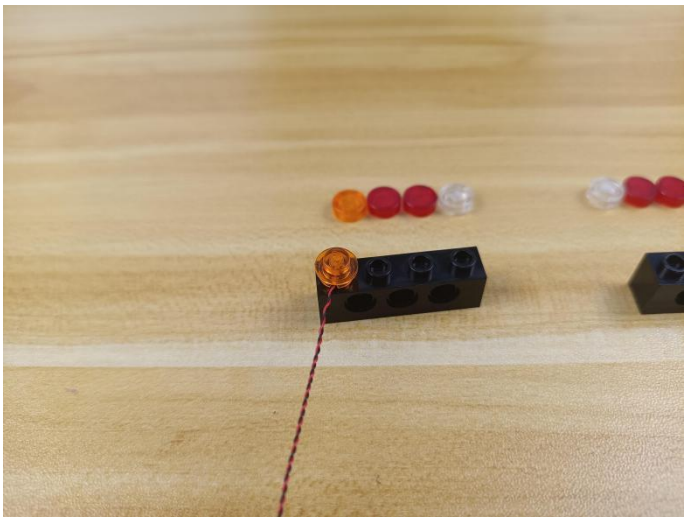
No opening:

Opening pieces:

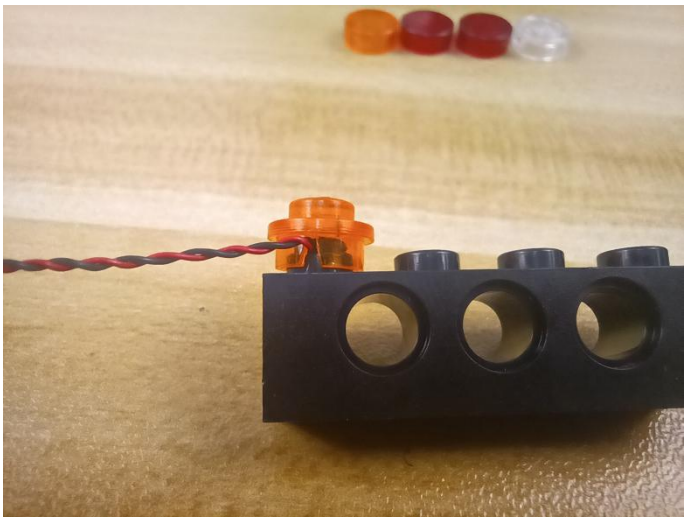


Need to install the lamp thread through the gap on the building block.

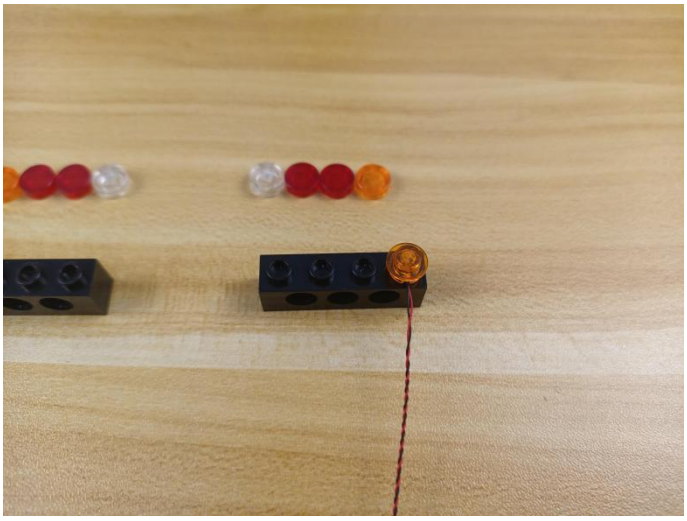
With lighting part facing up, connect the orange round plate over.

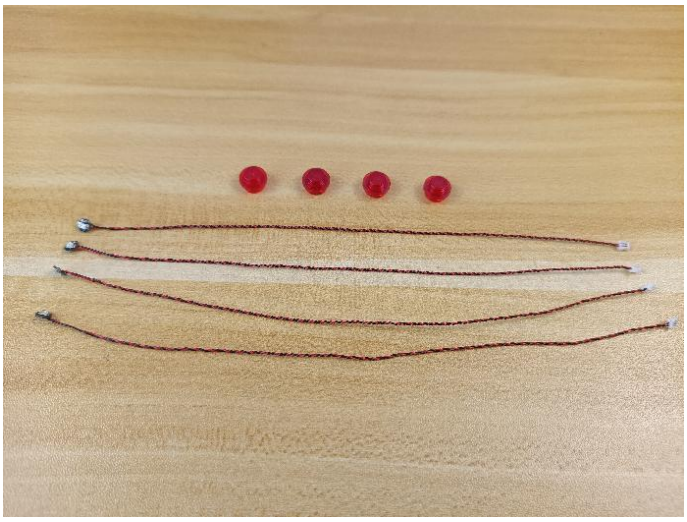
Stuck the cable at the opening (as per below).



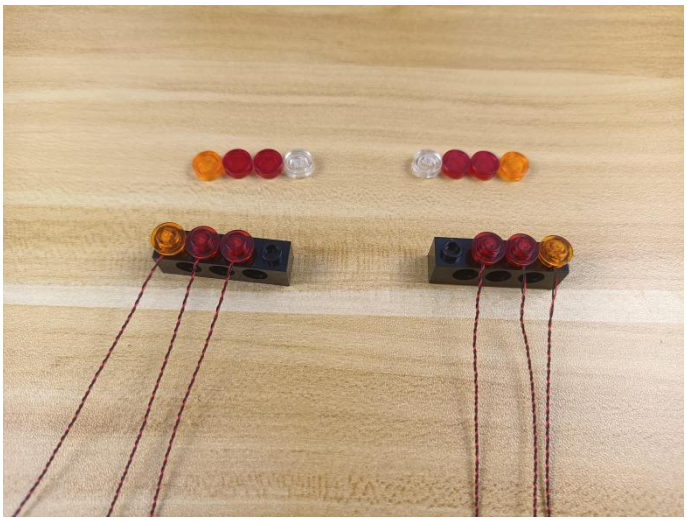
Install the other light in the same way.



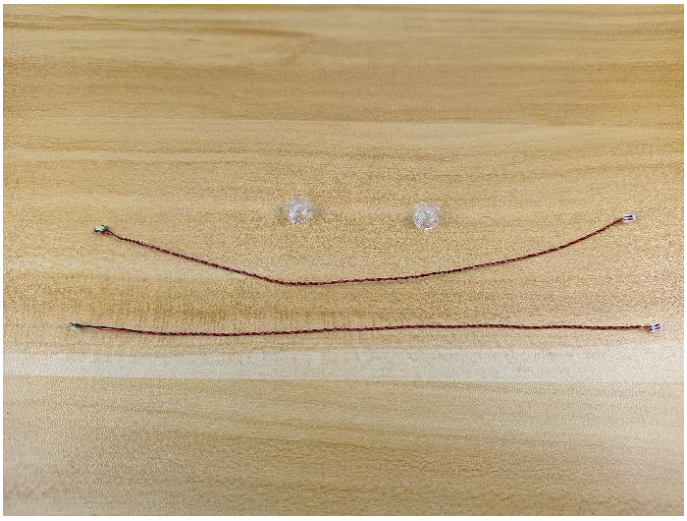
Take 4 red 15cm bit lights, 4 trans red 1x1 round plates (with opening).



Install the lights as we did before.

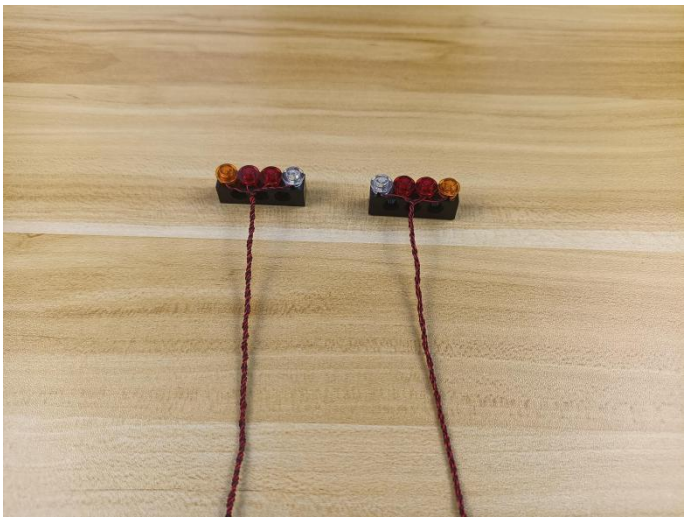


Take 2 white 15cm bit lights, 2 trans white 1x1 round plates (with opening).

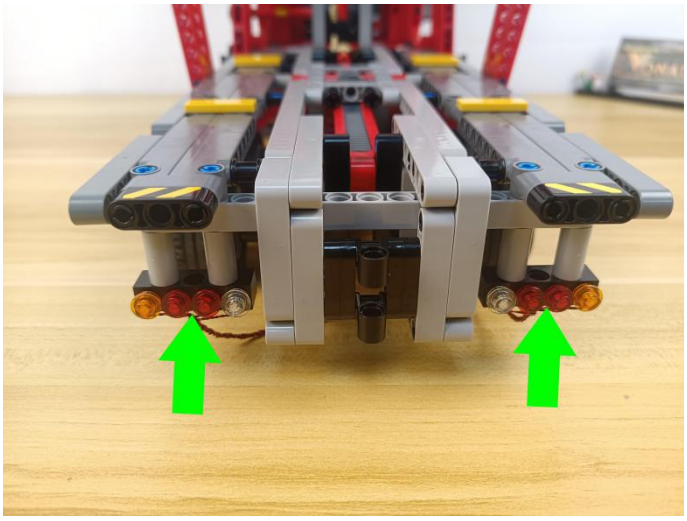


Install the lights as we did before.

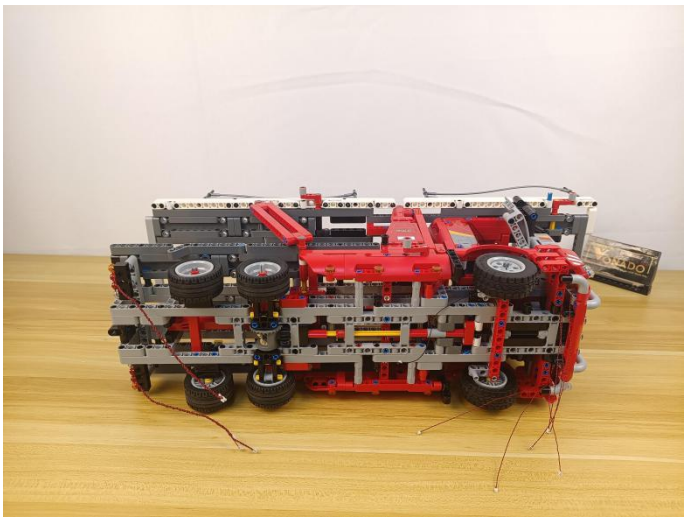
Group the cables at each piece together.



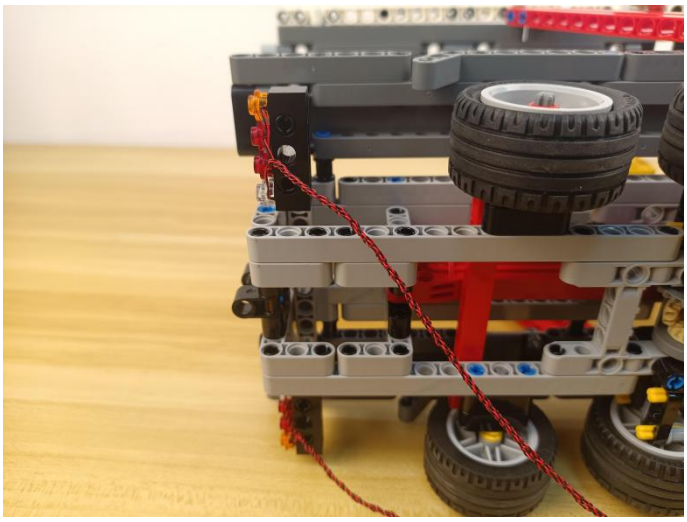
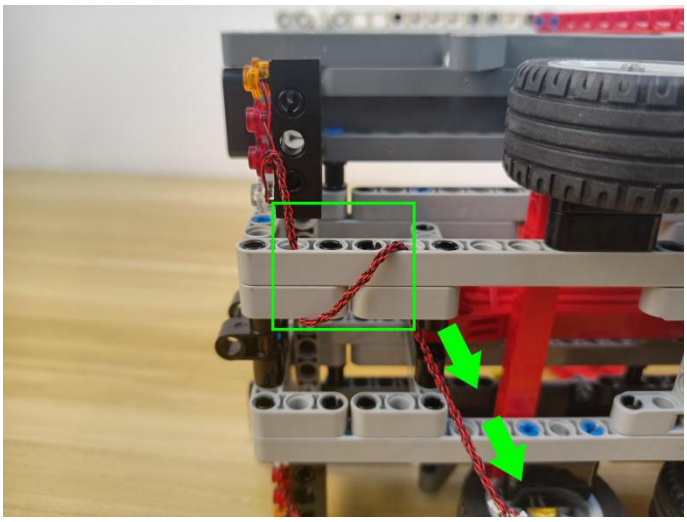
Reconnect the pieces.



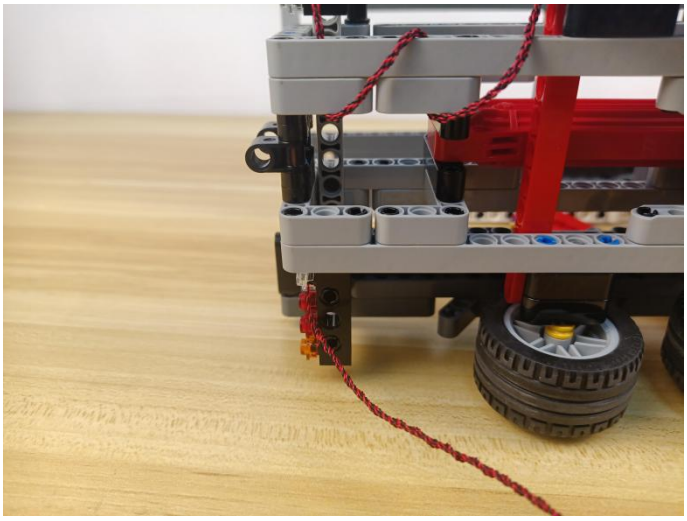
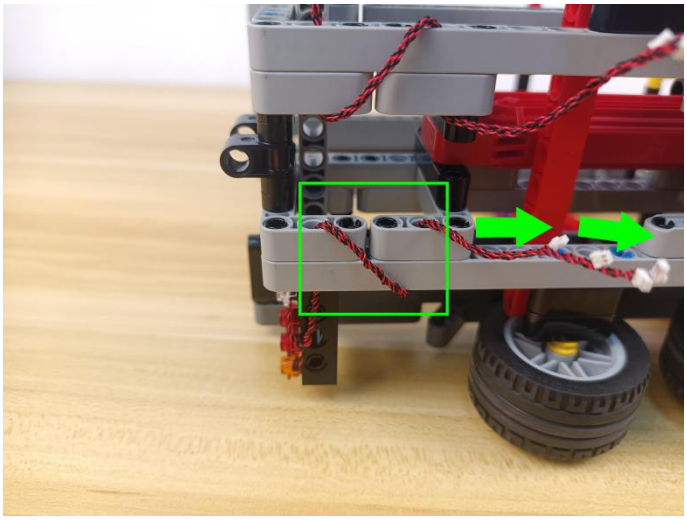
Turn the car over.



Place the following cables as per below.

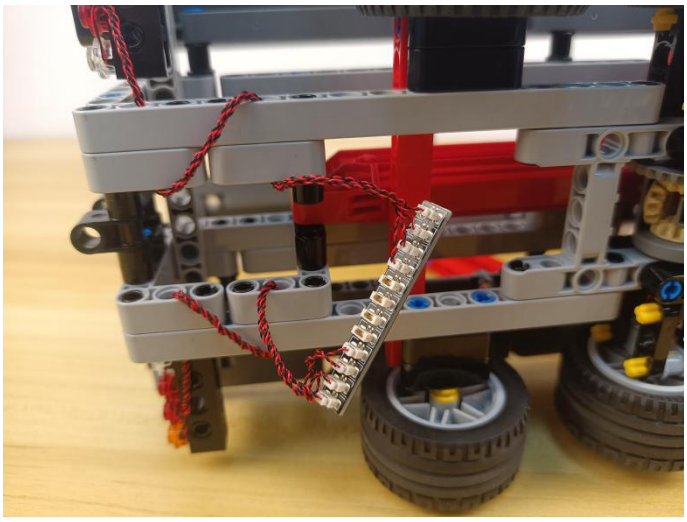



Place the cables at the bottom as per below.

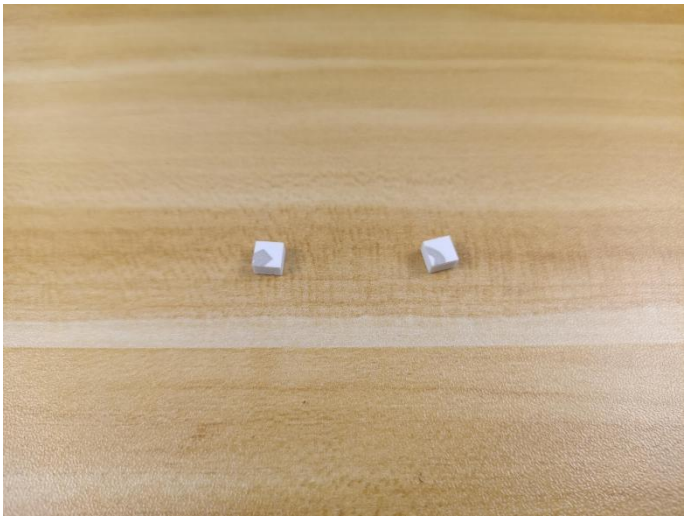



Take a 12-port expansion board.

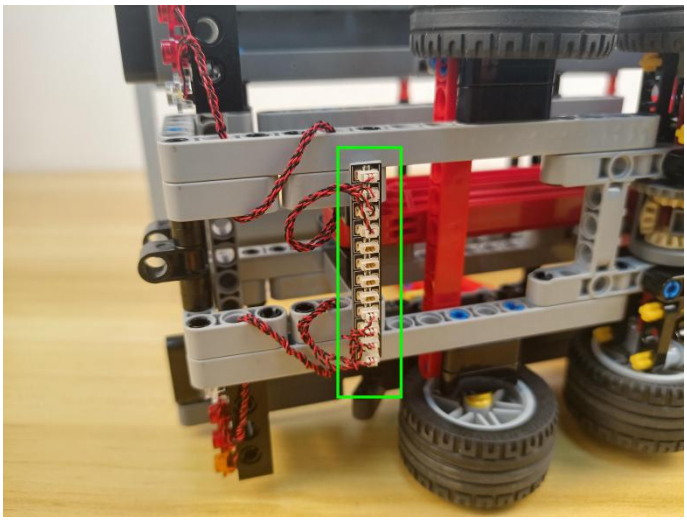
Connect the following 6 cables to the expansion board.



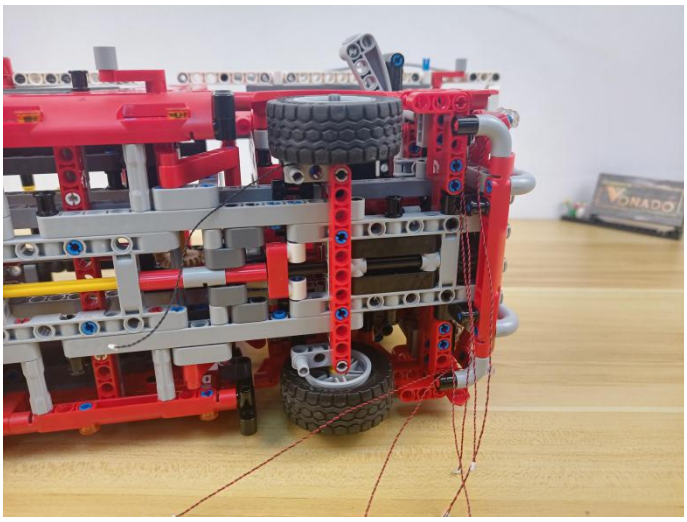
Take 2 adhesive squares.



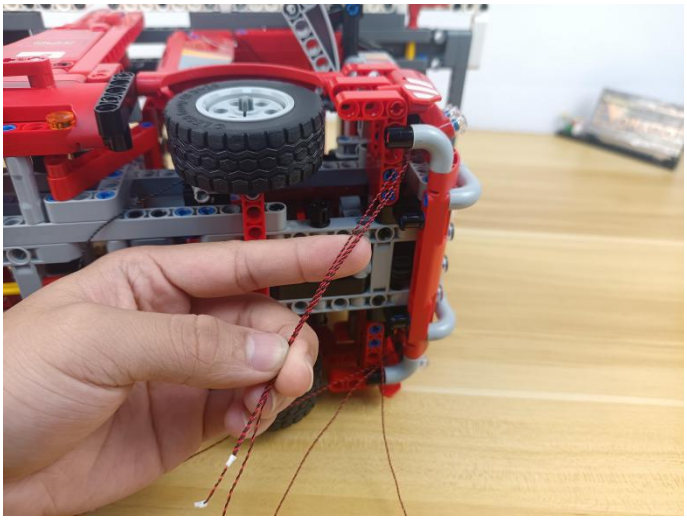
Stick them to the back of the expansion board, and stick the expansion board to the following place.

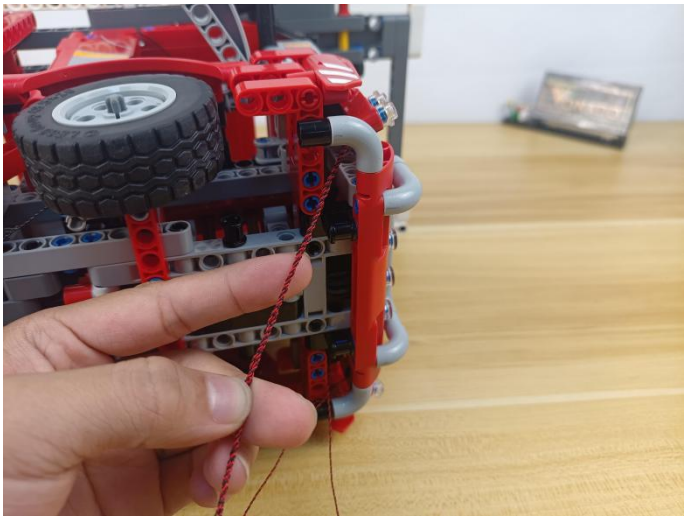


Turn to the head.

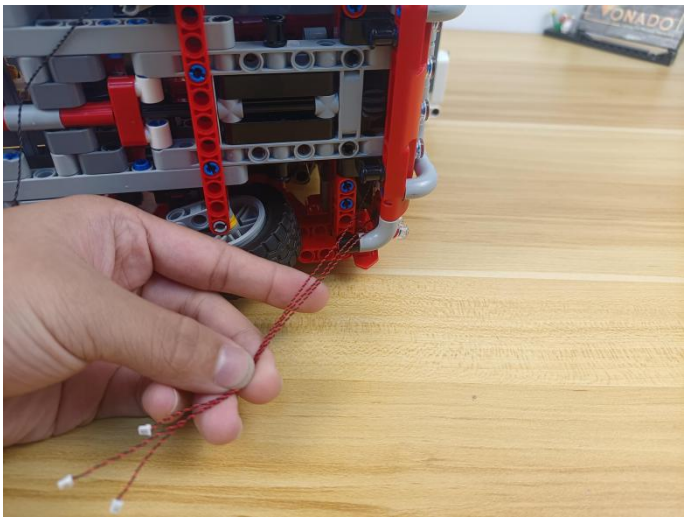
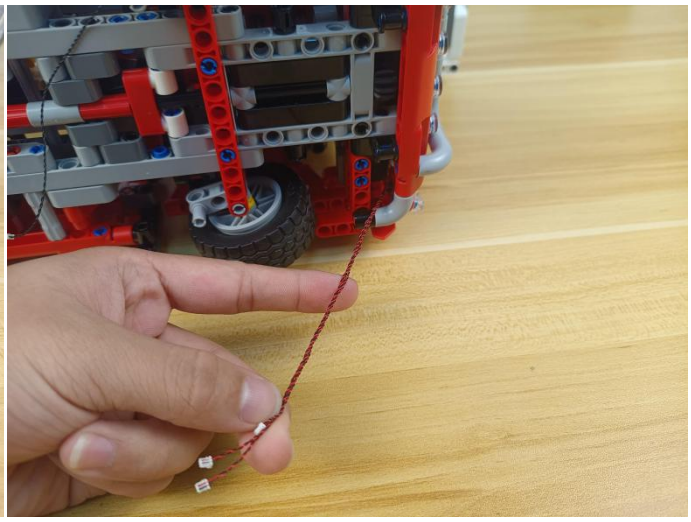


Group the following 3 cables together.

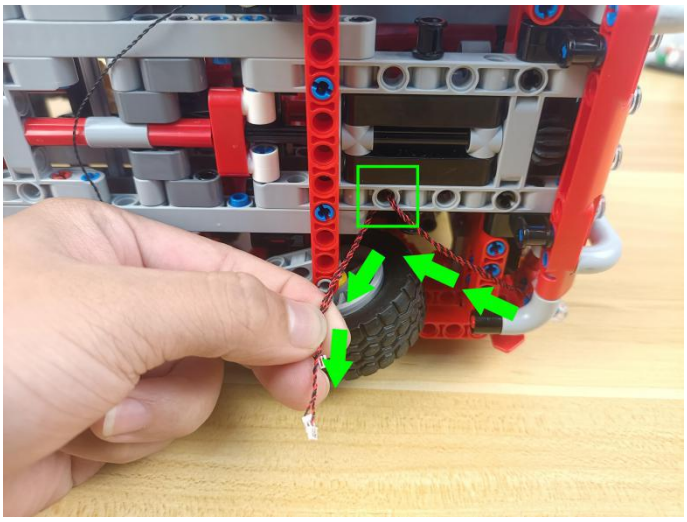




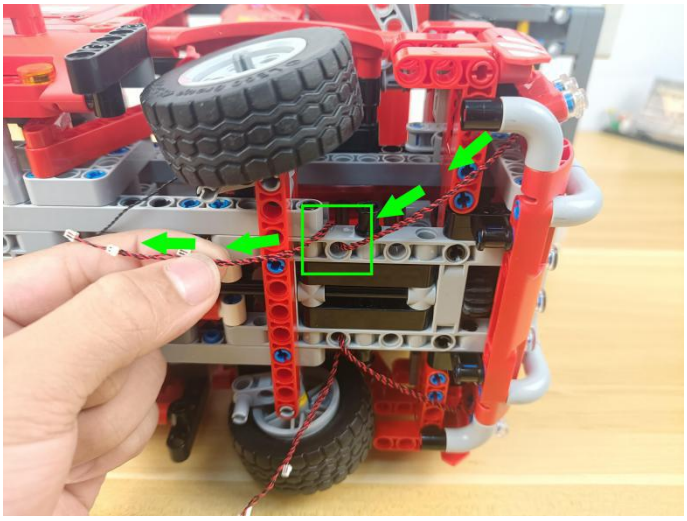
And group the cables underneath together.

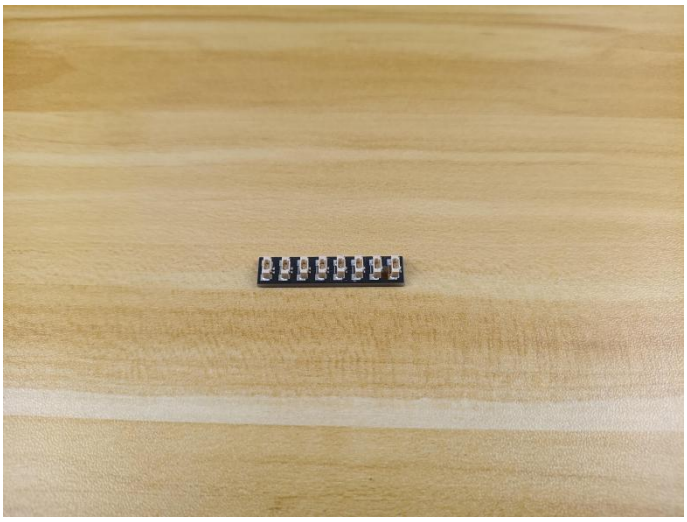
Place the cables as per below.



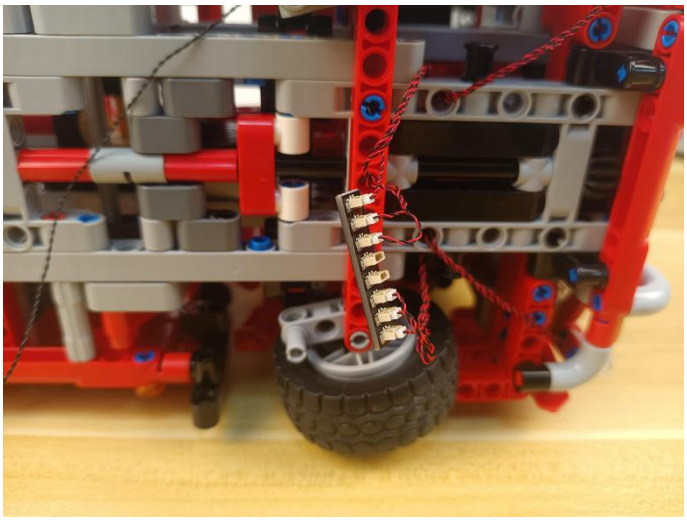
Place the cable at the upper place as per below.



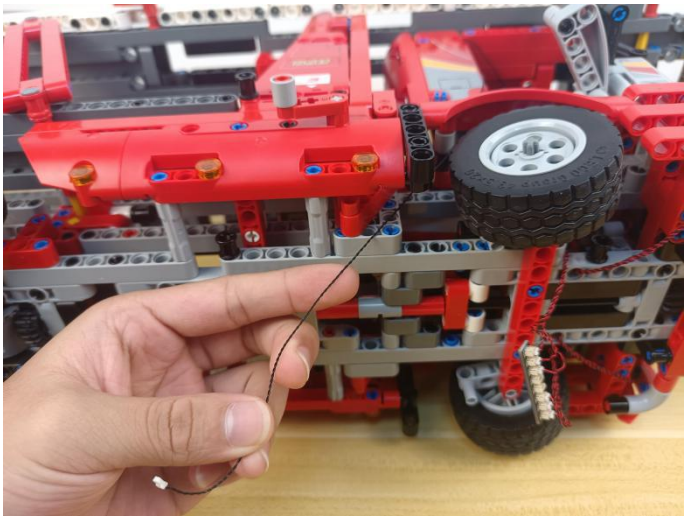
Take an 8-port expansion board.

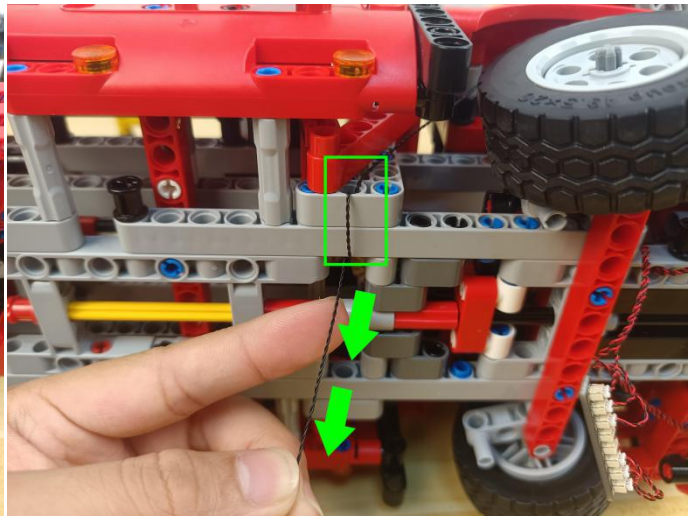


Connect all the cables from the head to the expansion board.

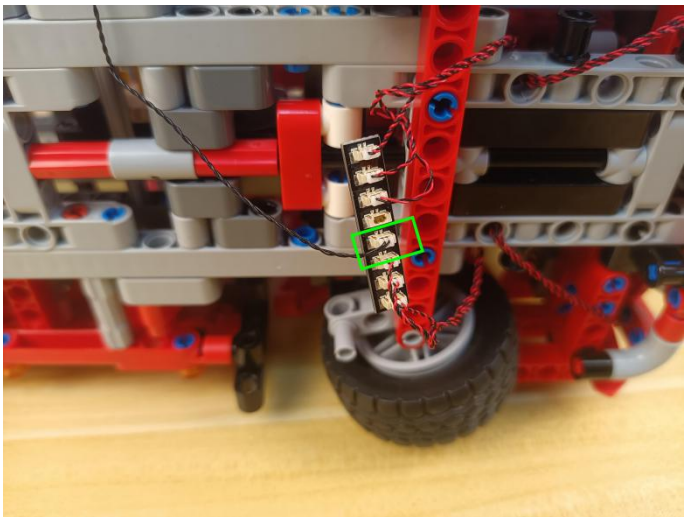


Thread the connecting cable from the strip light through the hole, and wind it around the piece.

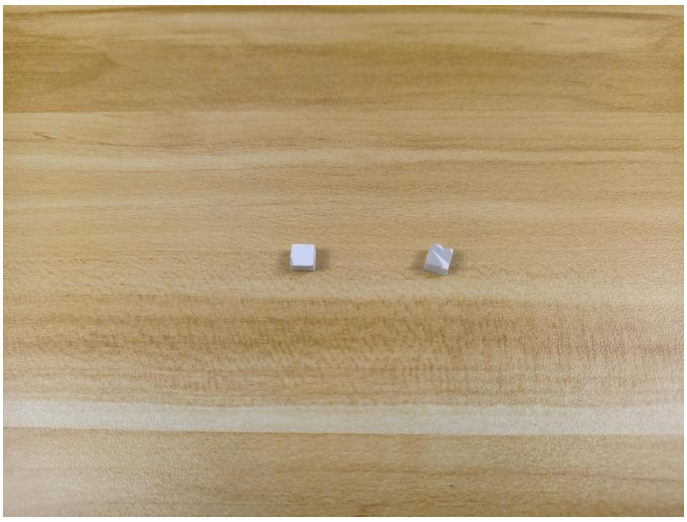




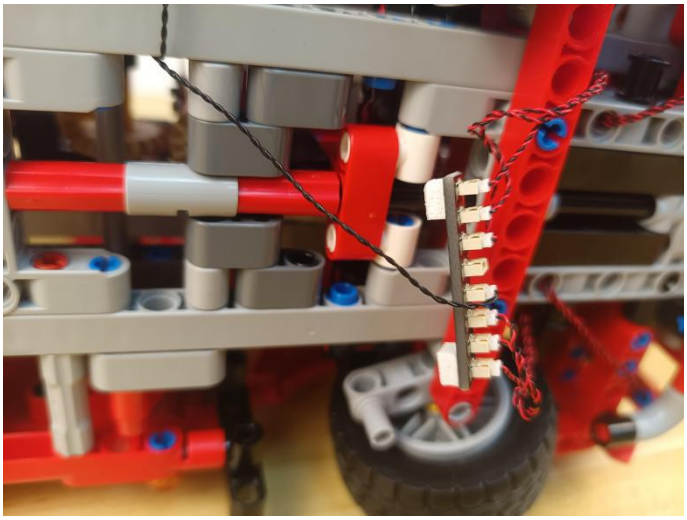
Connect the connecting cable to the expansion board.

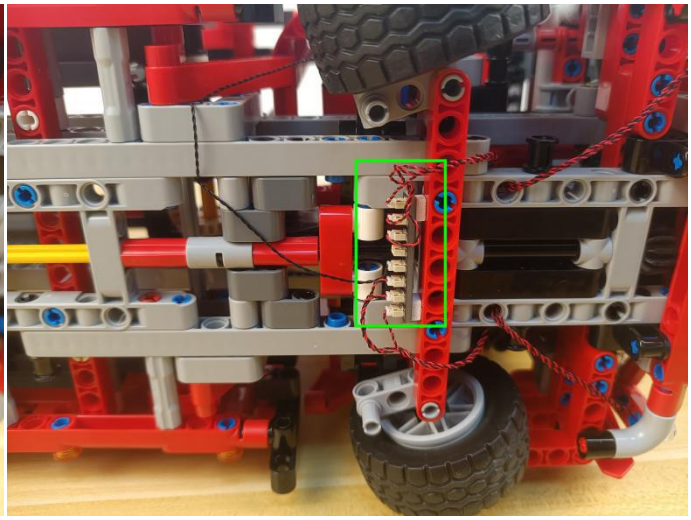


Take 2 adhesive squares.



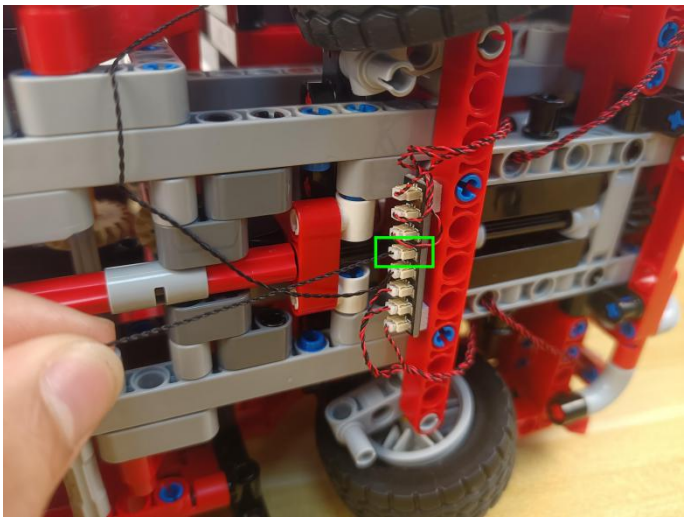
Stick them to the back of the expansion board, and stick the expansion board to the following place.



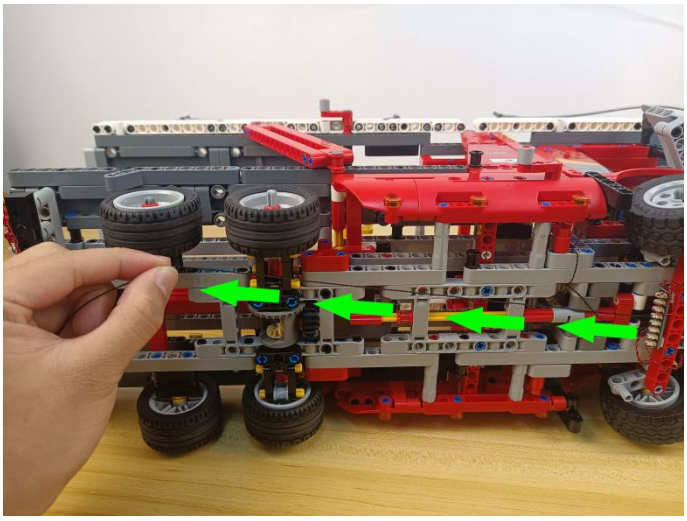


Take a 50cm connecting cable.

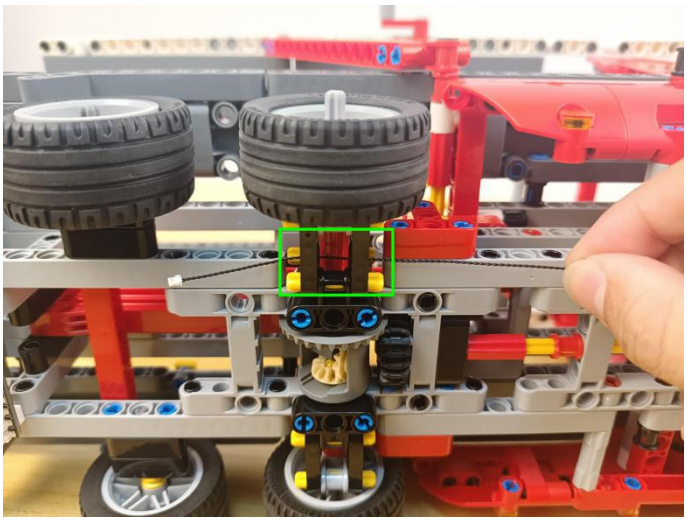
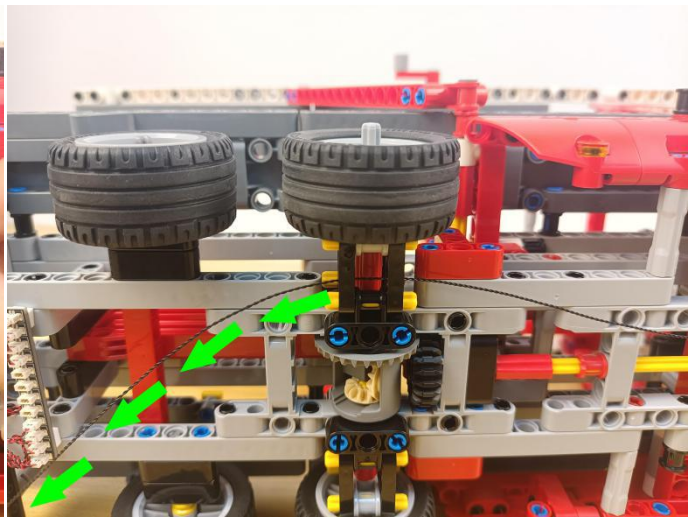
Connect it to the 8-port expansion board.



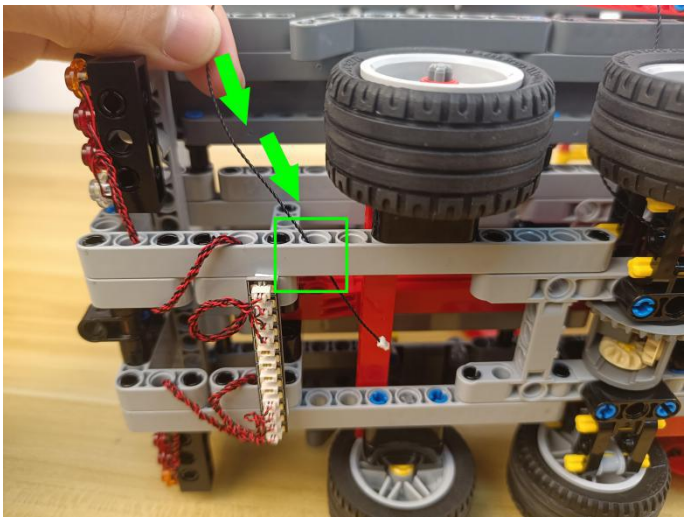
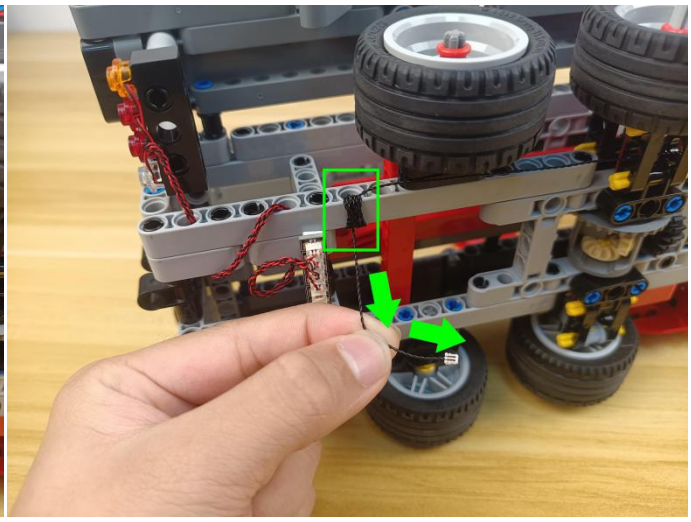
Pull the connecting cable all the way to the back.



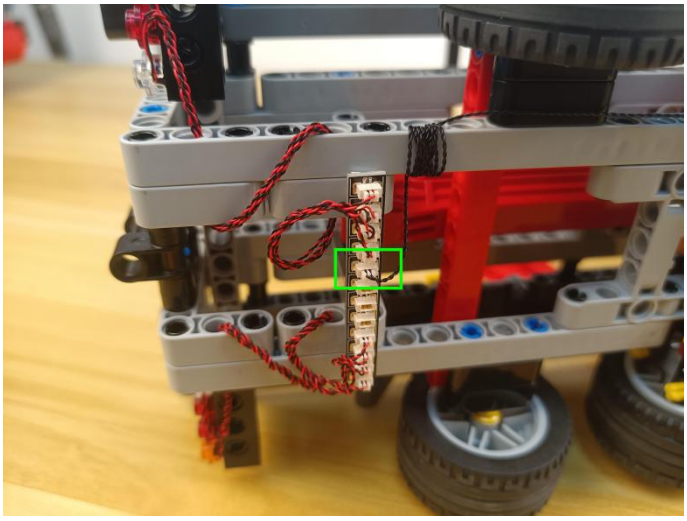
Continue to thread the cable through the hole, and pull it out.

Thread it through the following hole and wind it around the following piece.

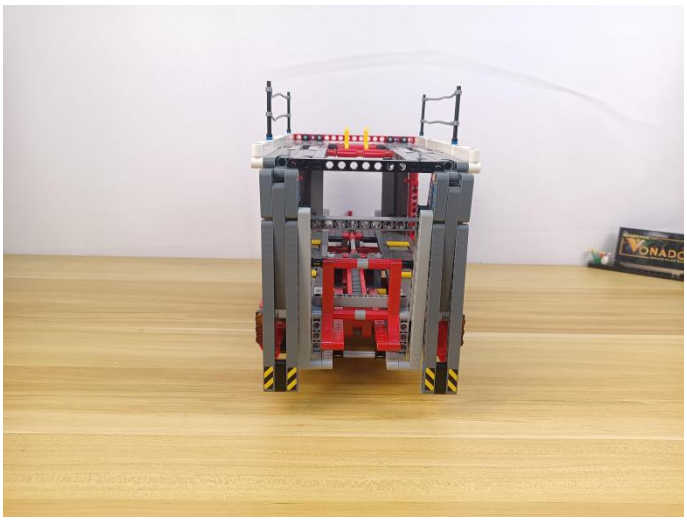



Connect the connecting cable to the expansion board.

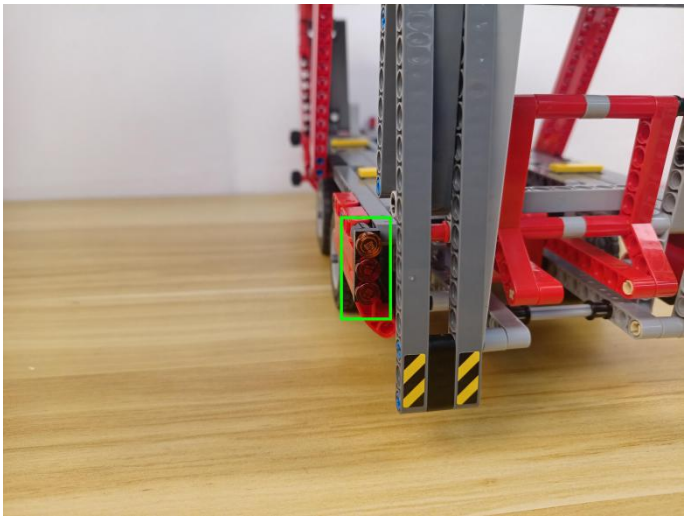


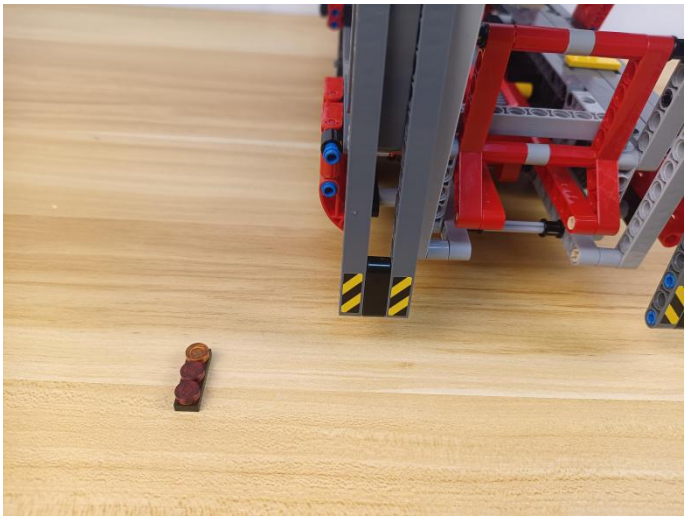
Continue to install lights for the C part.

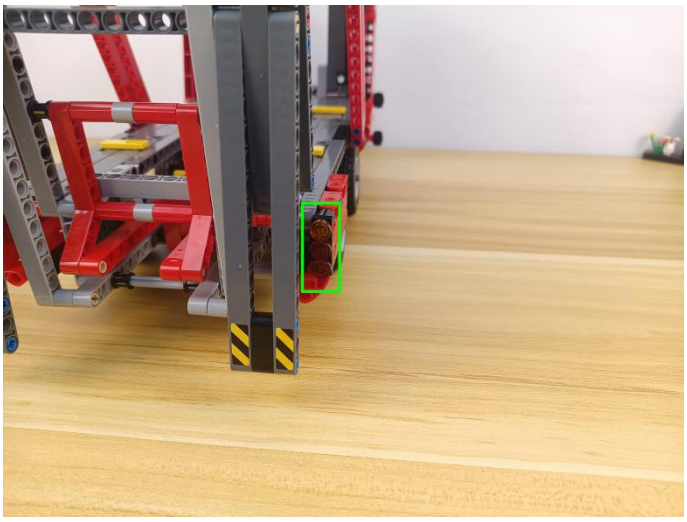
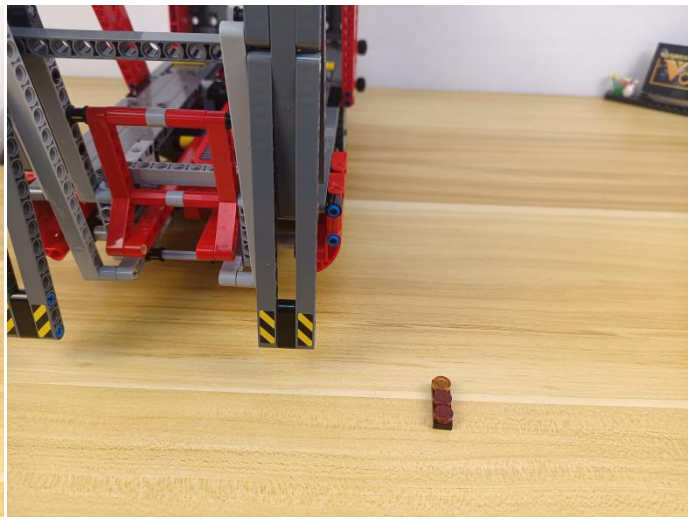
Turn to the following place.



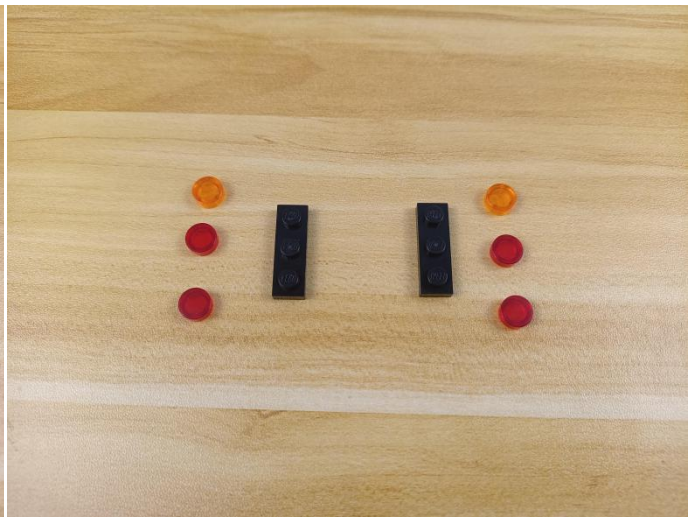
Remove the following pieces from both sides.



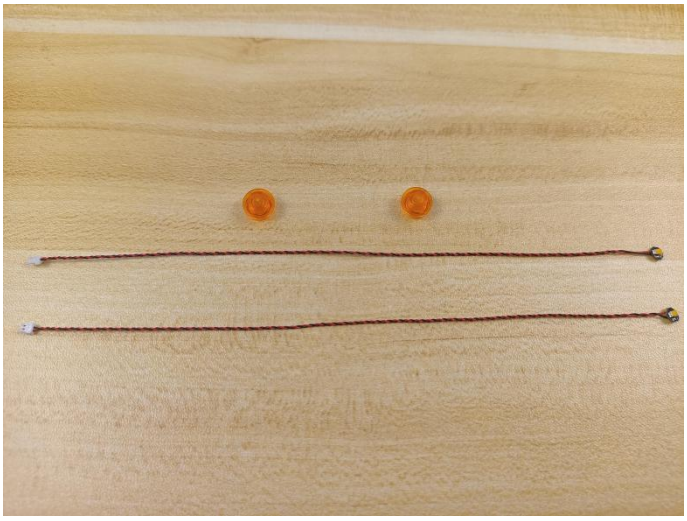


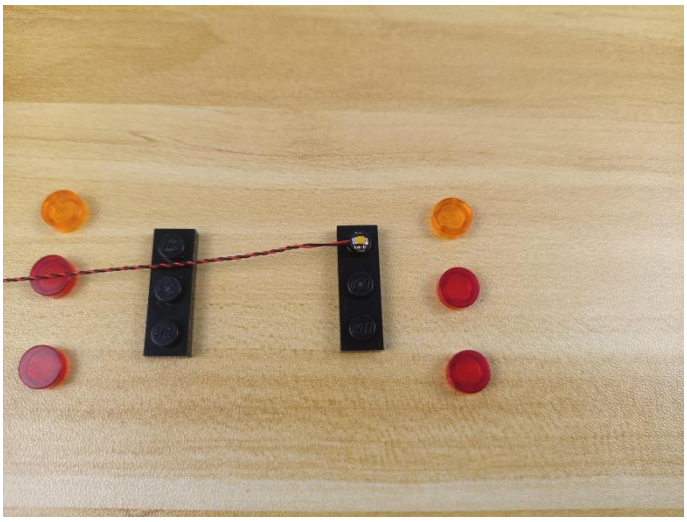
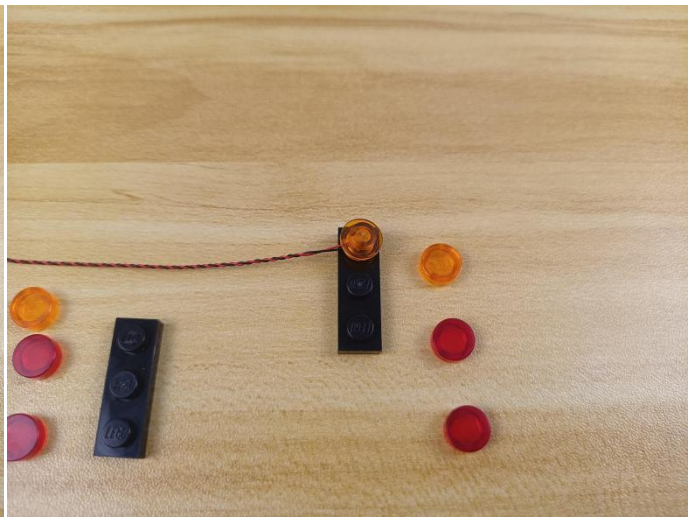
Continue to disconnect all the round plates from them.



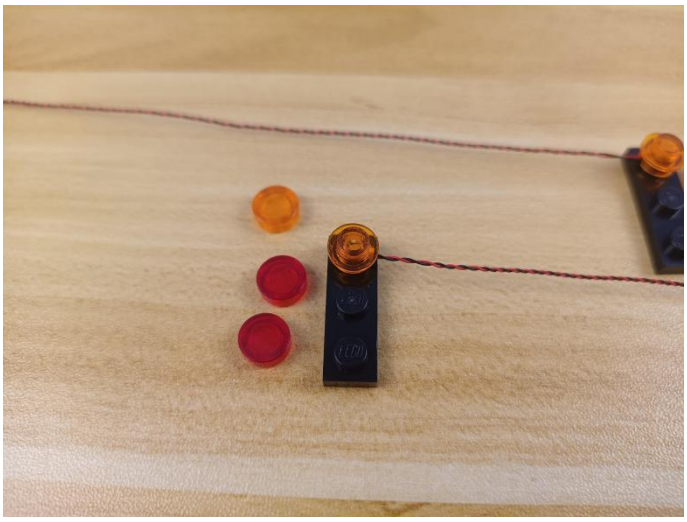
Take 2 warm white 15cm bit lights, 2 trans orange 1x1 round plates (with opening).



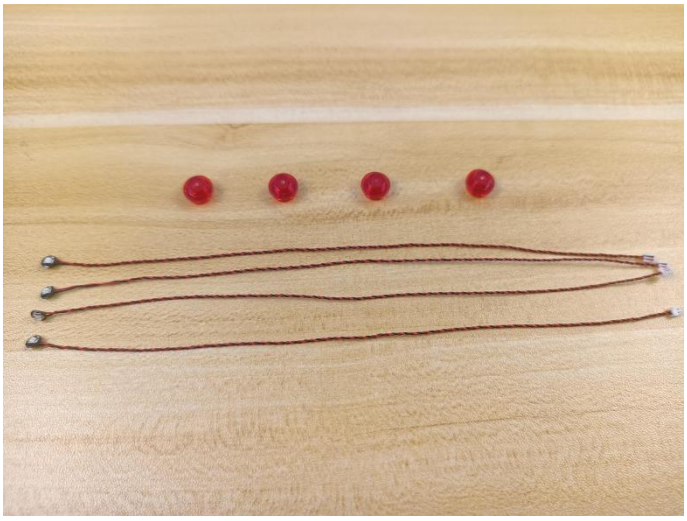
With lighting part facing up, connect the orange round plate over.

Install the other light in the same way.

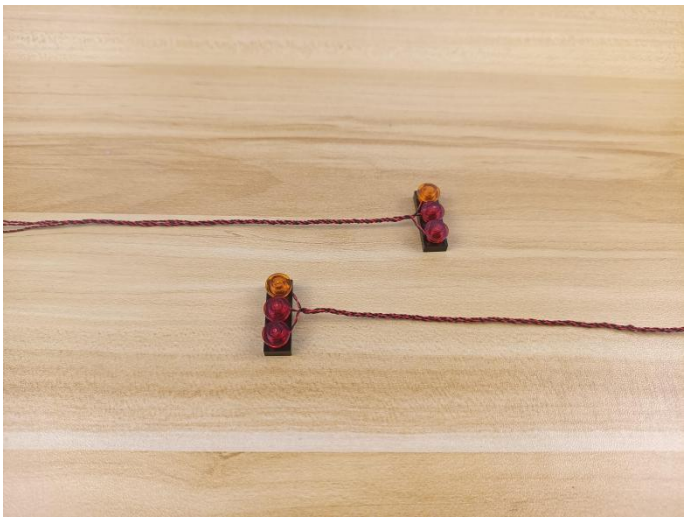


Take 4 red 15cm bit lights, 4 trans red 1x1 round plates (with opening).

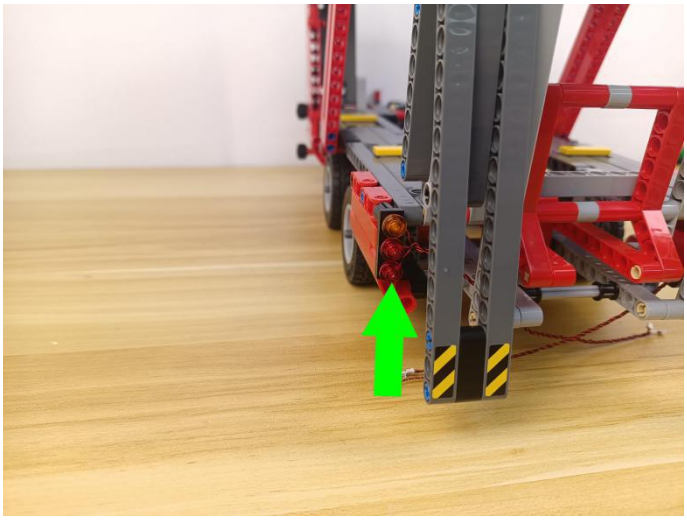


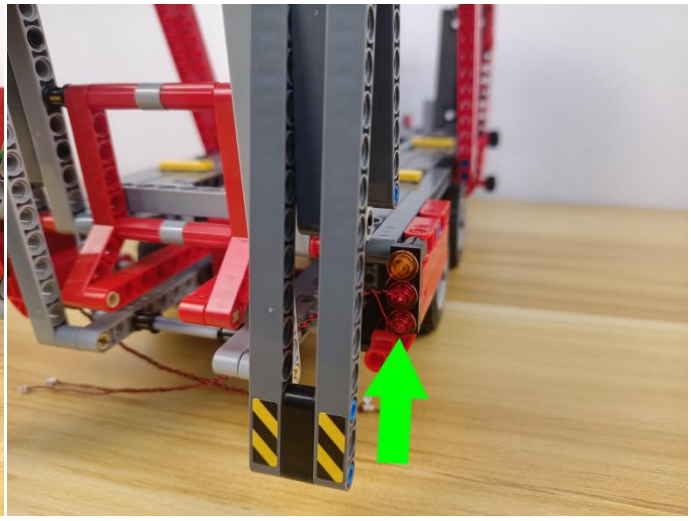
Install the lights as we did before.

Group the cables together respectively.

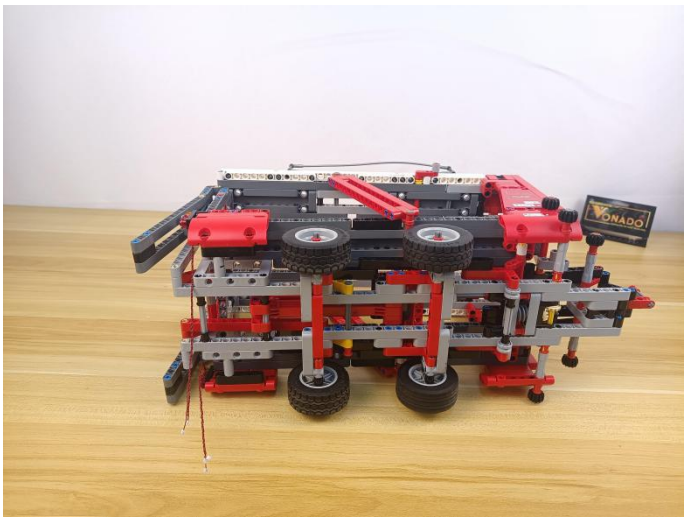


Reconnect the 2 pieces.

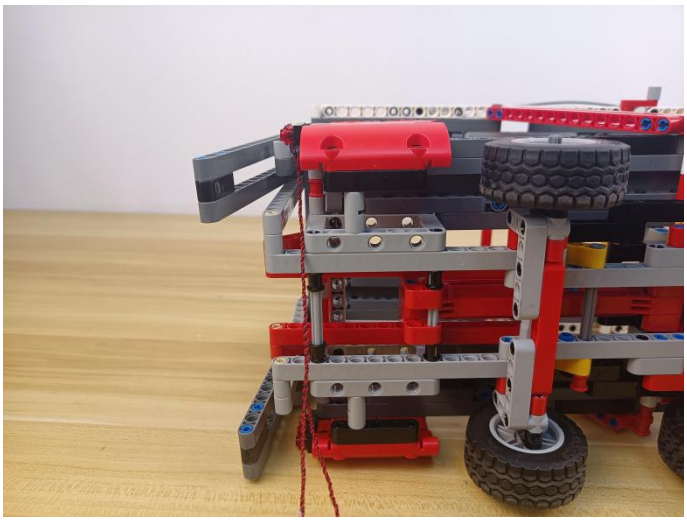


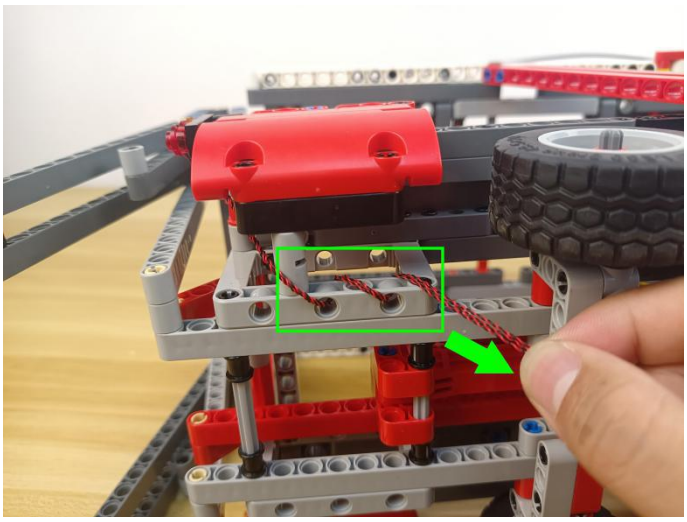


Turn it over.

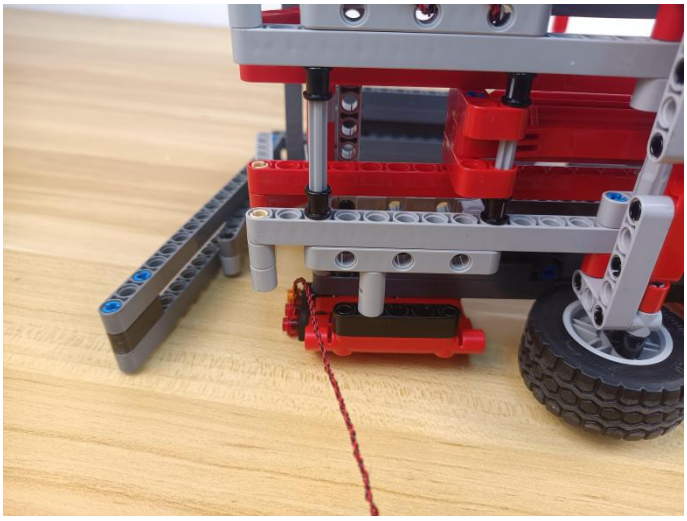


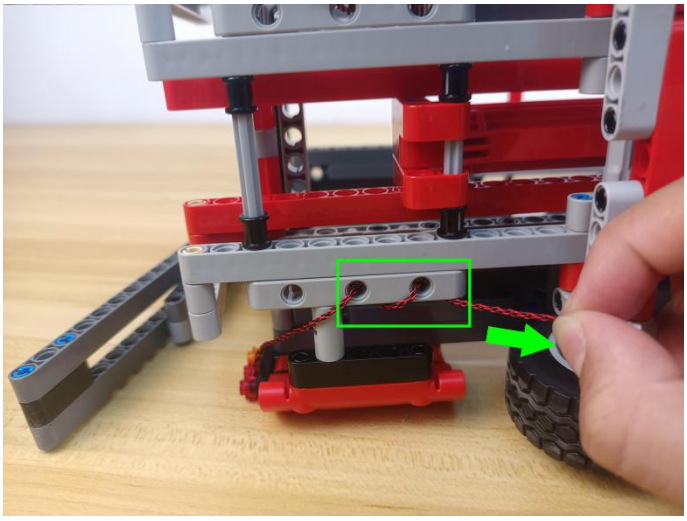
Place the cables as per below.



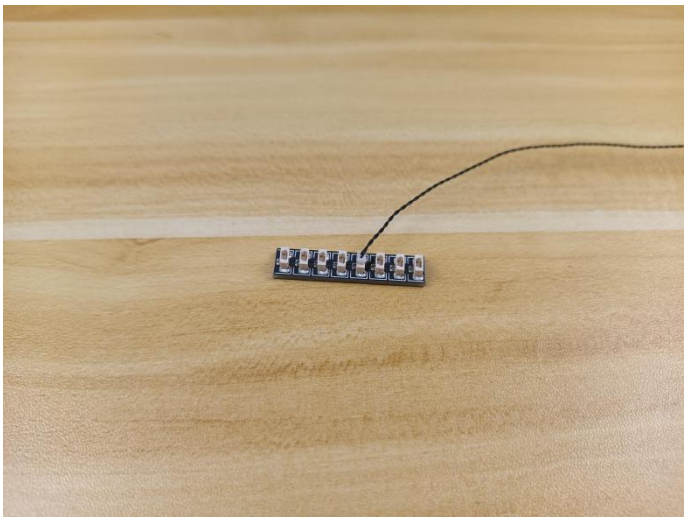


Place the cables at the bottom as per below.

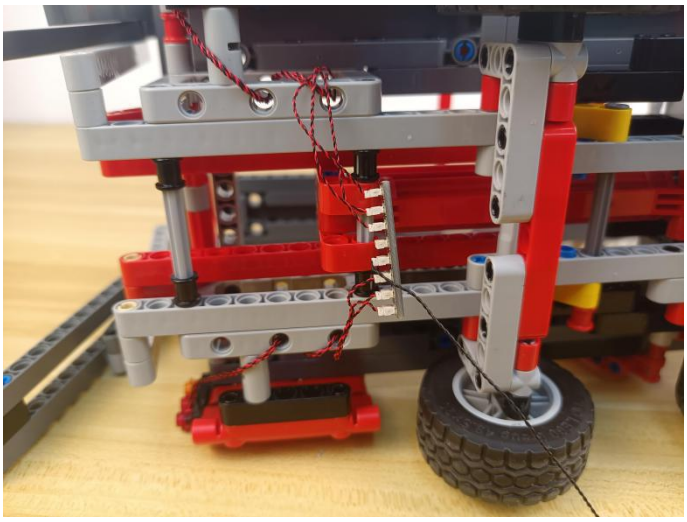




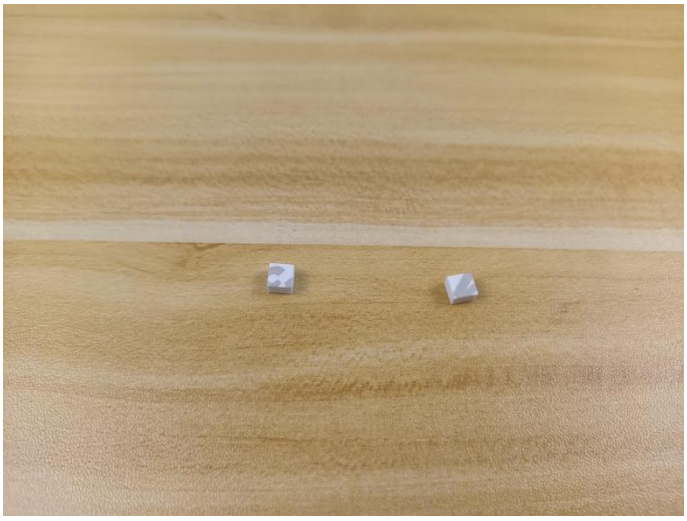
Take a 50cm connecting cable, an 8-port expansion board.



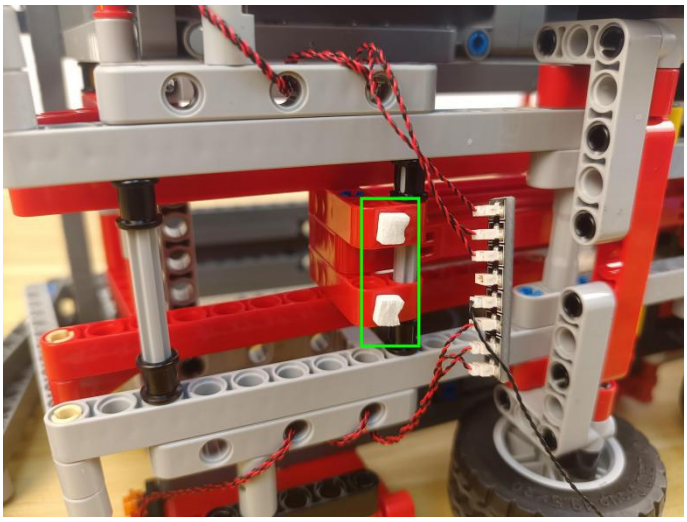
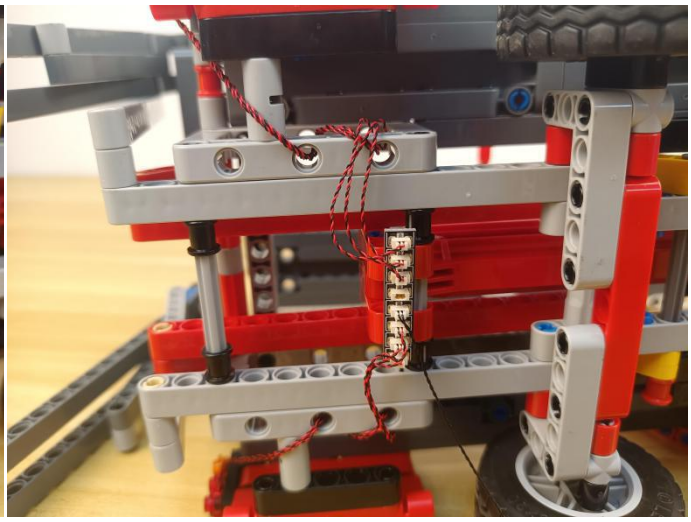
Connect all the following cables to the expansion board.



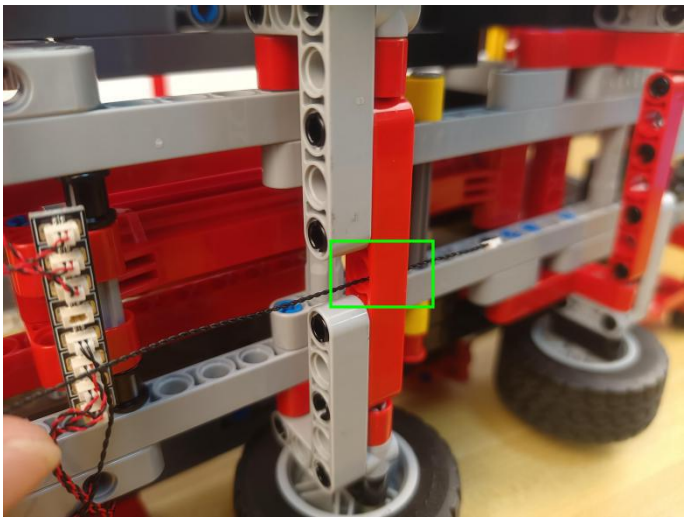
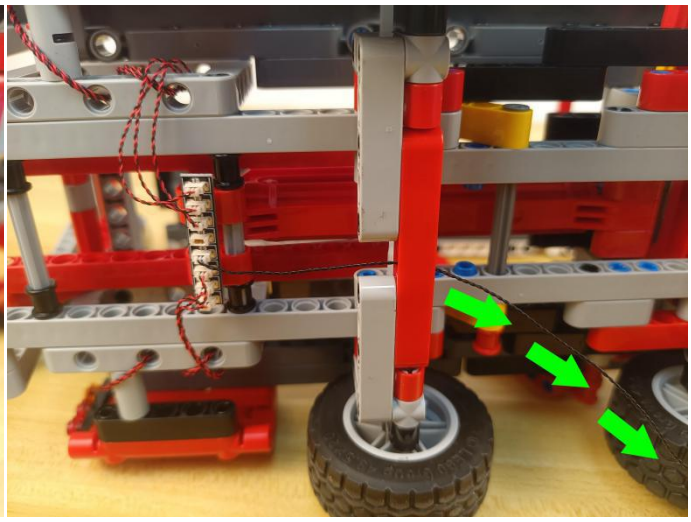
Take 2 adhesive squares.



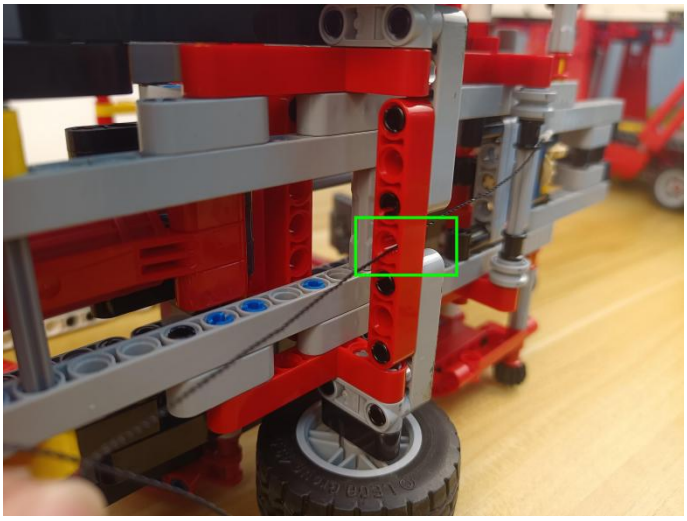
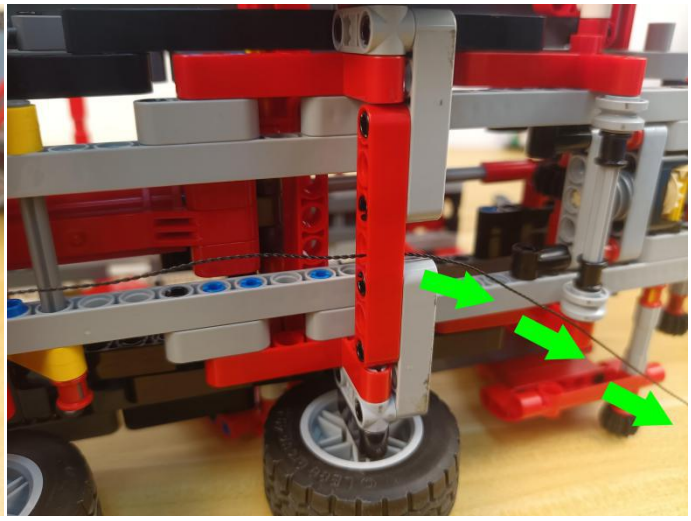
Stick them to the following place, and stick the expansion board to them.

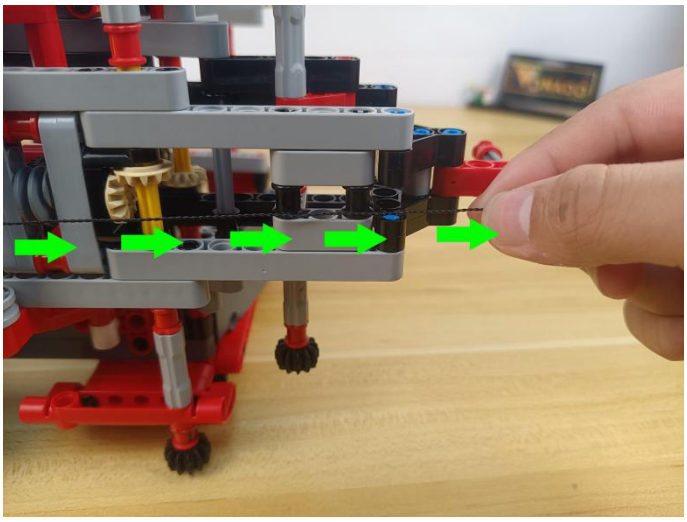
Thread the following cable through the hole, and pull it out.

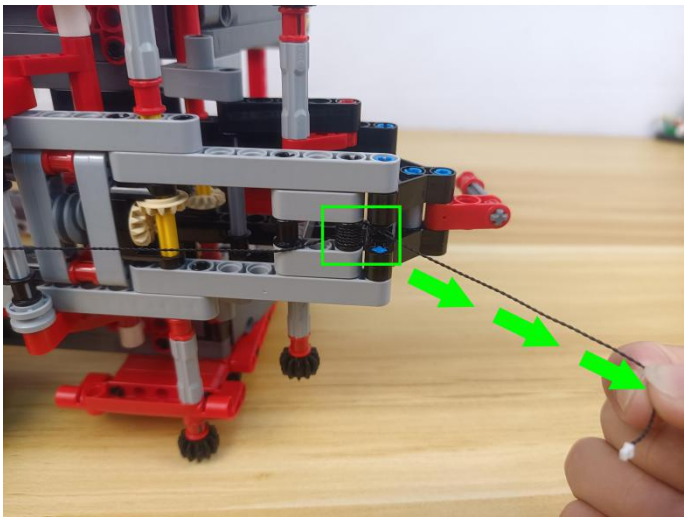
Continue to thread it through the hole, and pull it out.

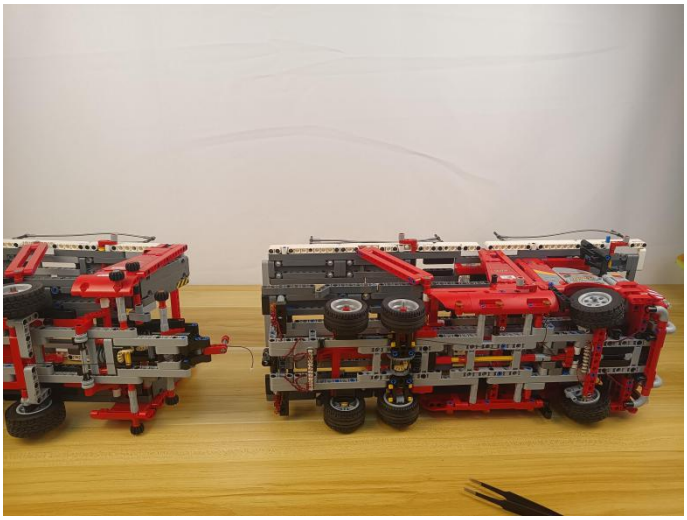
Pull the connecting cable to the front.

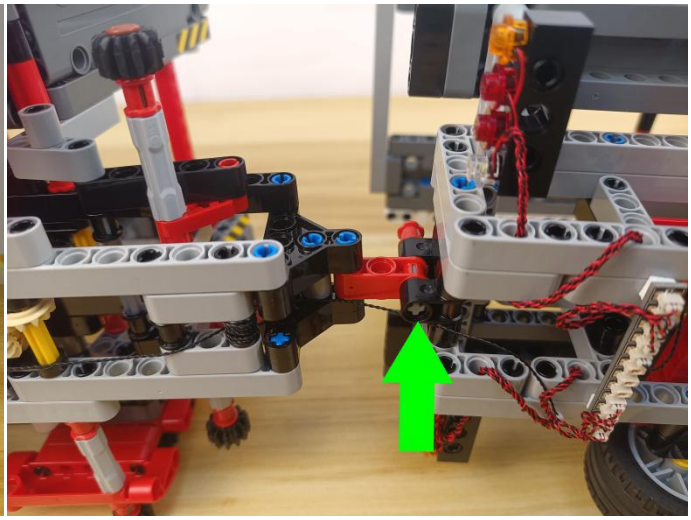


Wind it around the following piece.

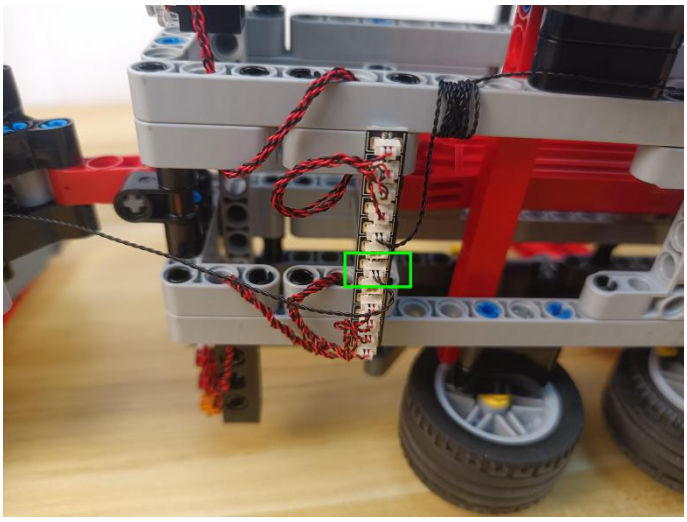


Connect the B part and the C part together.



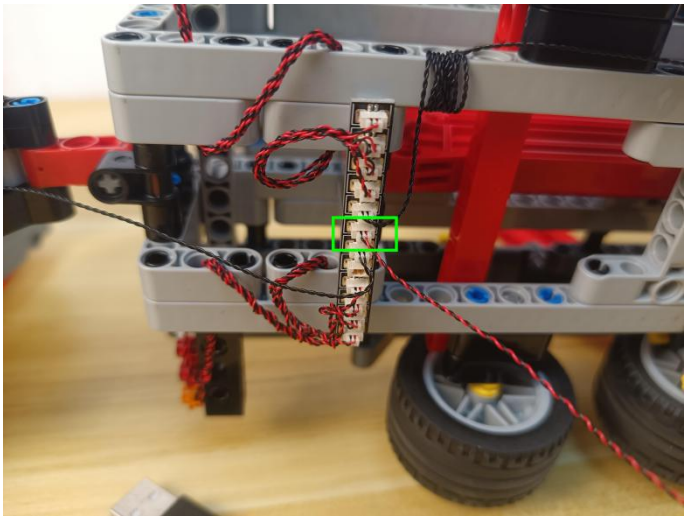


Connect the following connecting cable from the C part to the expansion board at the B part.



Take a USB power cable.

Connect it to the following expansion board.



This completes installation of this LED Lighting Kit. ENJOY!

The above are ideas and instructions provided by our designers. Please move on:

1: Do you have any suggestions about the material and quality of our products?

2: Do you have any suggestions on the installation instructions and the degree of difficulty of the installation?

3: If you have better installation method and ideas, please contact us in time.