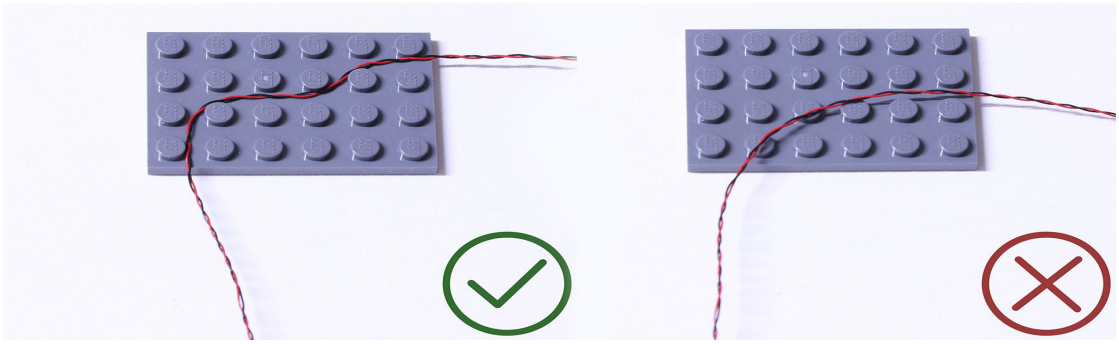
MACK ANTHEM #42078 Advanced Version

Pocket Content:

3 X 12-Port Expansion Boards
2 X AA Battery Pack
12 X 15cm White Dot Lights
12 X 30cm White Dot Lights
2 X 30cm White Self-Flashing Light
1 X Warm White Strip Light
1 X 15cm Connecting Cable
1 X 30cm Connecting Cable
LEGO Pieces

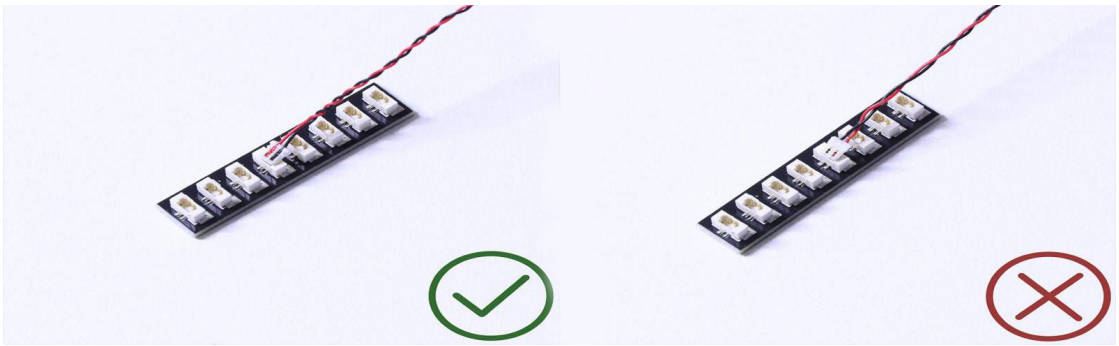
Note:

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

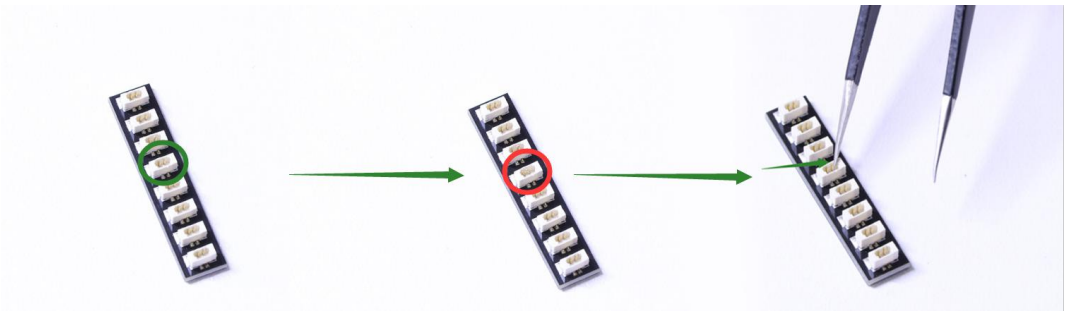


Insert the connectors to the ports.

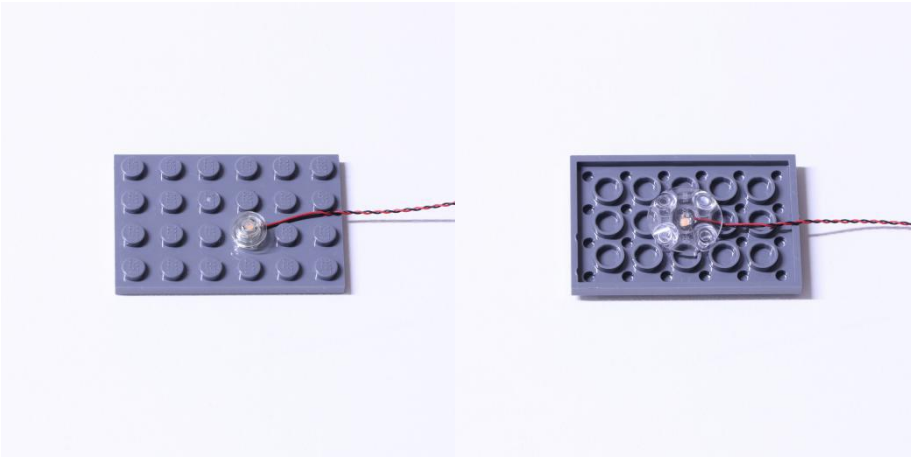
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, 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.

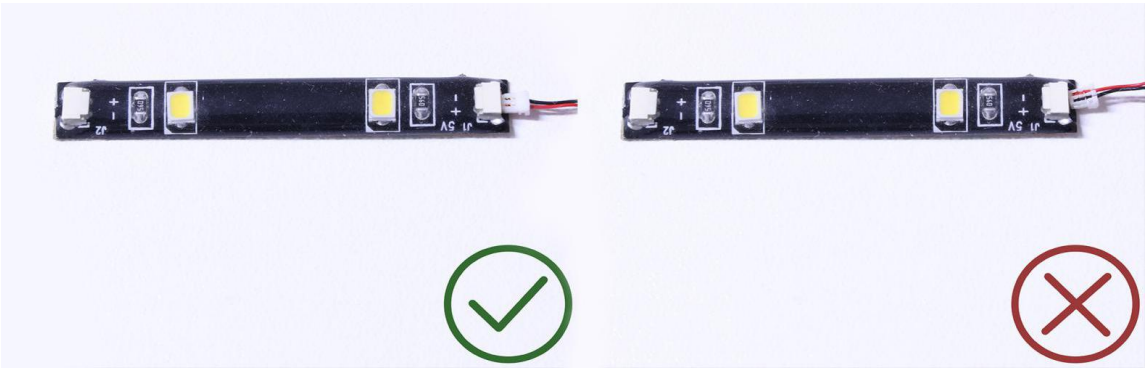


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put they either on the top of the studs or between studs.

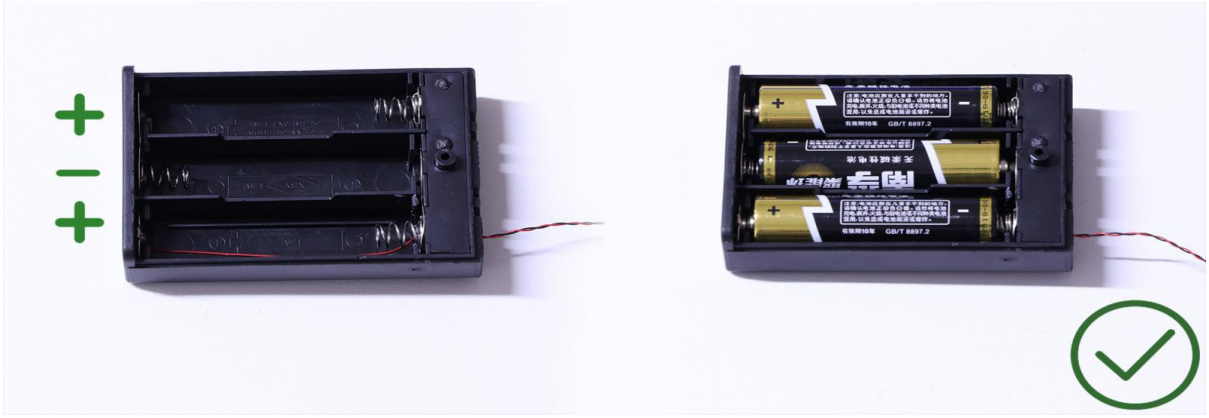


Connecting cable connectors to Strip Lights

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.

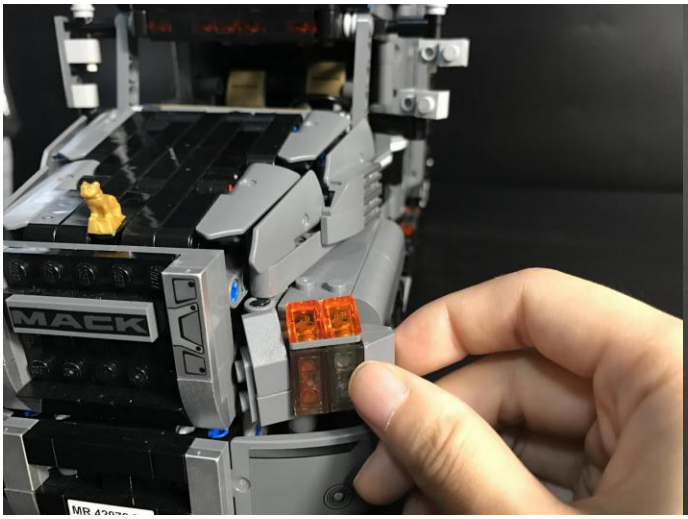


OK, Let’s Begin!

Instructions for installing this kit

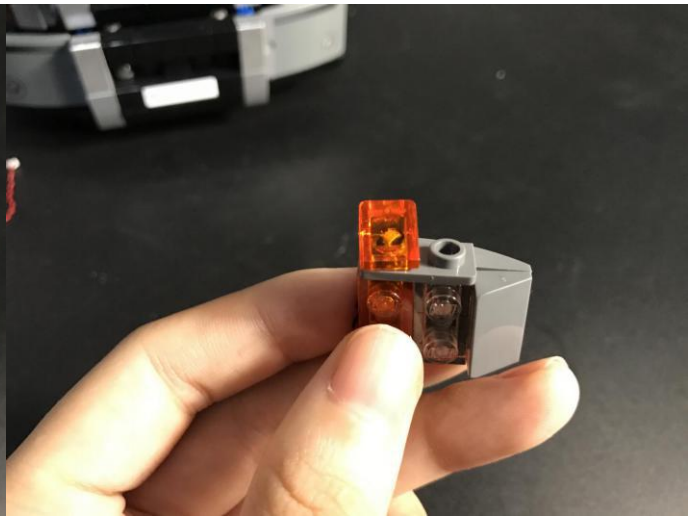
Divide the car into 2 parts. Now we start with the first part of the headlights.

We first install the right front headlight, remove the pieces as shown in the picture, and take four 15cm white dot lights.

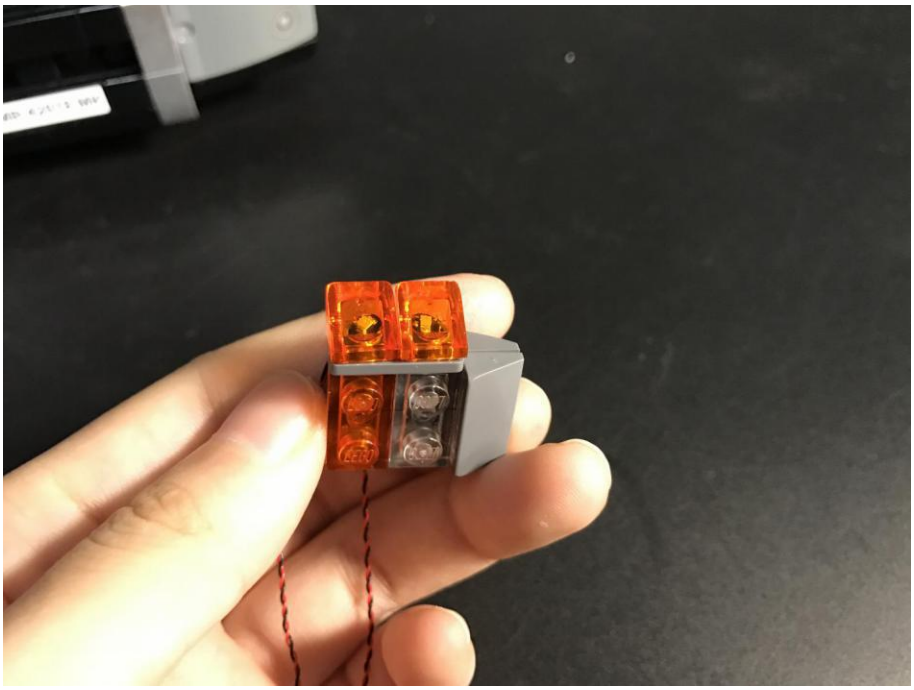


Remove the transparent part of the the piece.

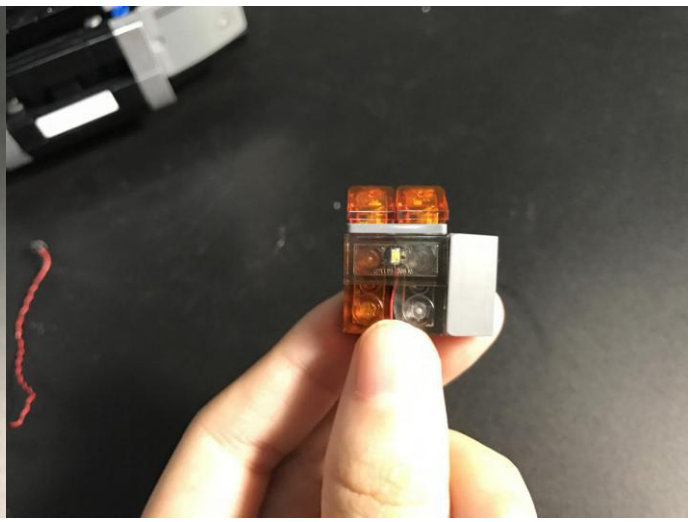
Take the first dot light, put the lighting side up, and fix it with orange transparent piece. Pay attention to the line facing the rear.



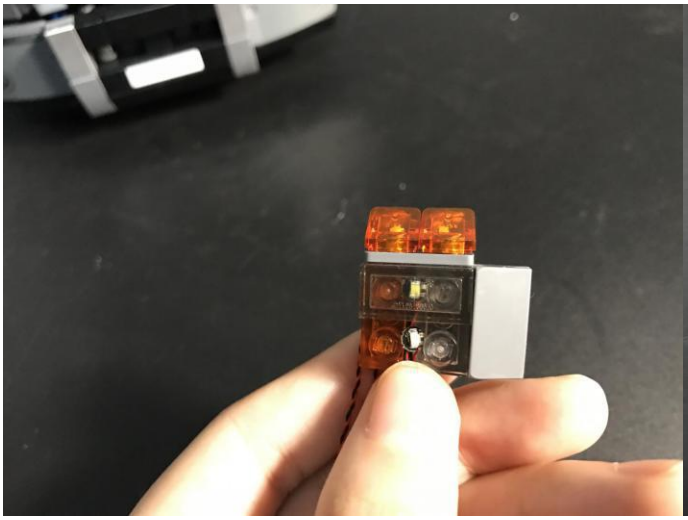
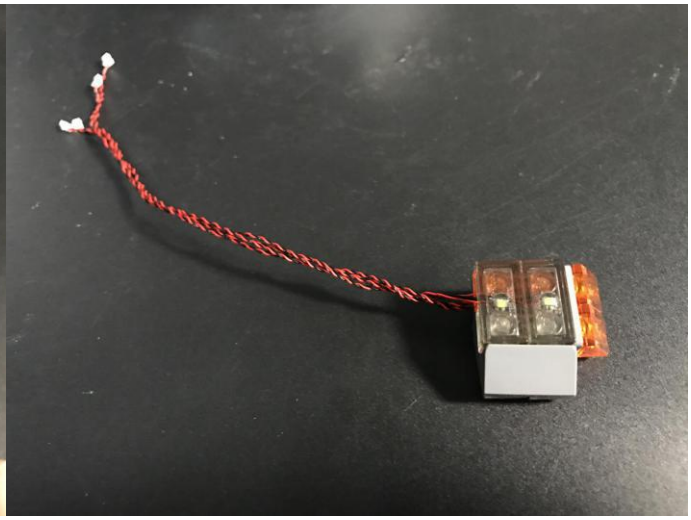
Repeat the operation to install the second dot light.



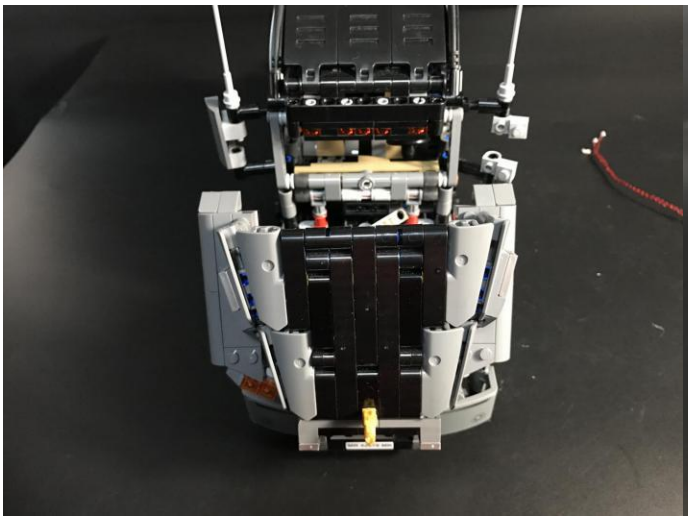
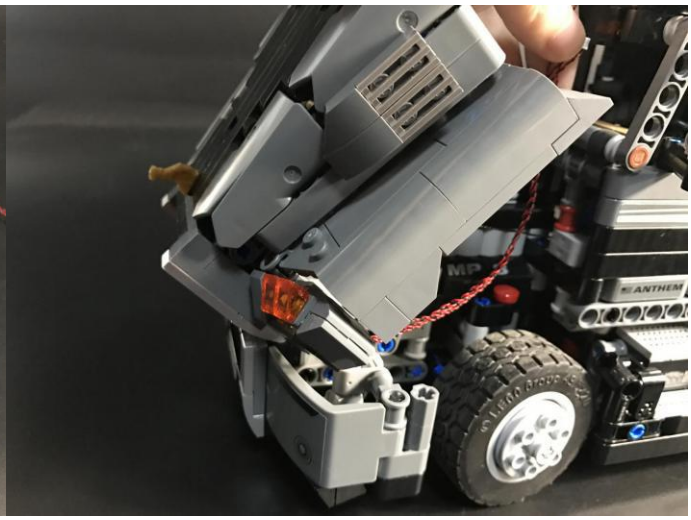
Take the third dot light, with the lighting side facing up and fixed it with a gray transparent plate.



The fourth dot light is pressed on the third cable and fix it with a gray transparent plate. Install 4 dot lights and twist 4 cables into one strand.

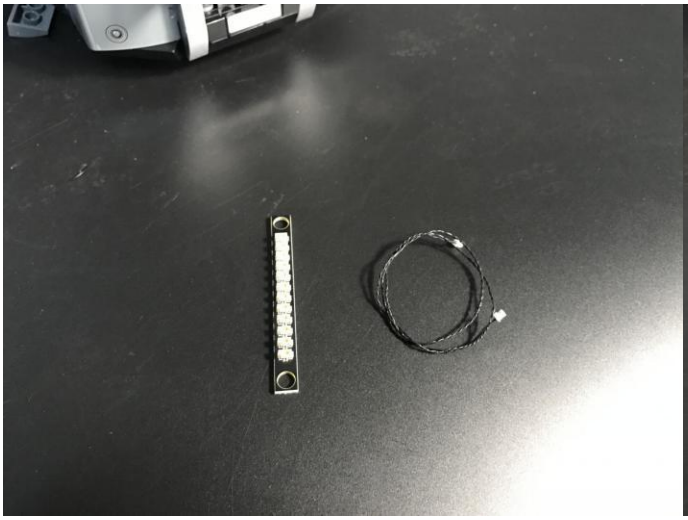
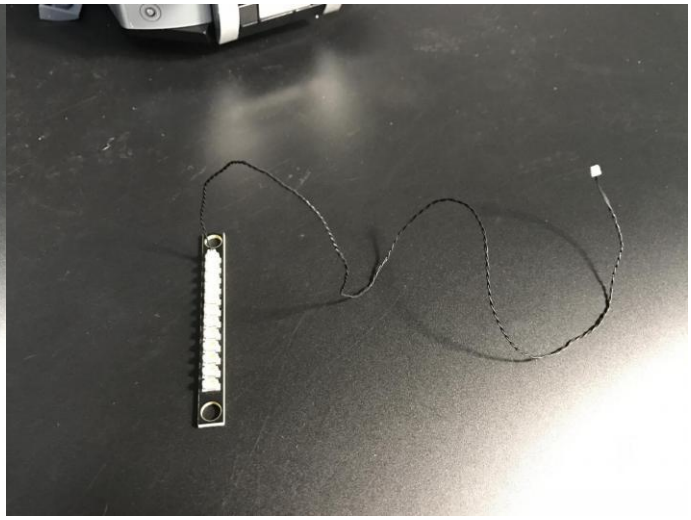



Lift the front cover, pull the cable into the front of the car, and reconnect the headlights.

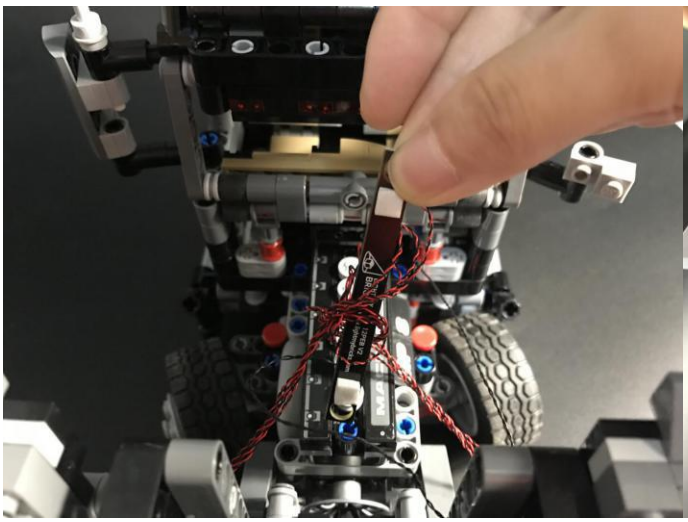
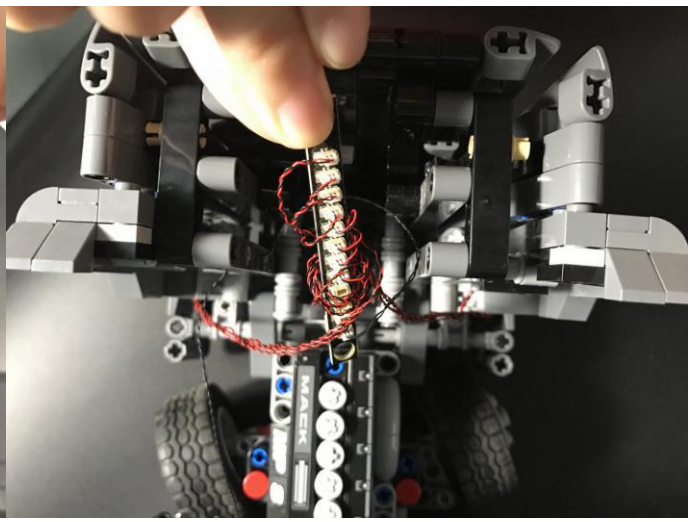



Take another 15cm white dot lights, then repeat the above operation to install the left side light.

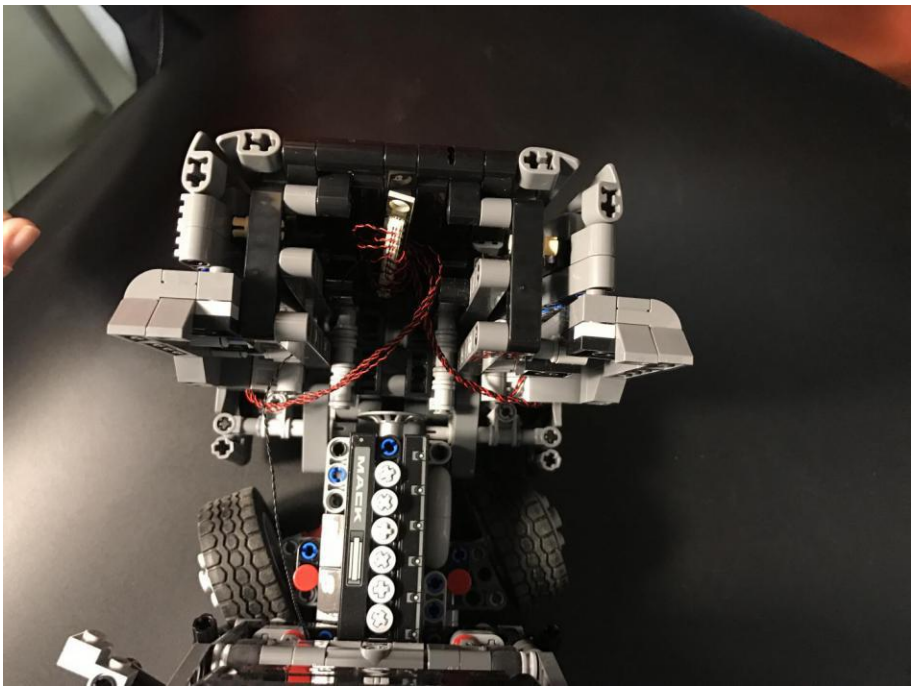
Take a 12-port expansion board and a 30cm cable, as shown in the picture..

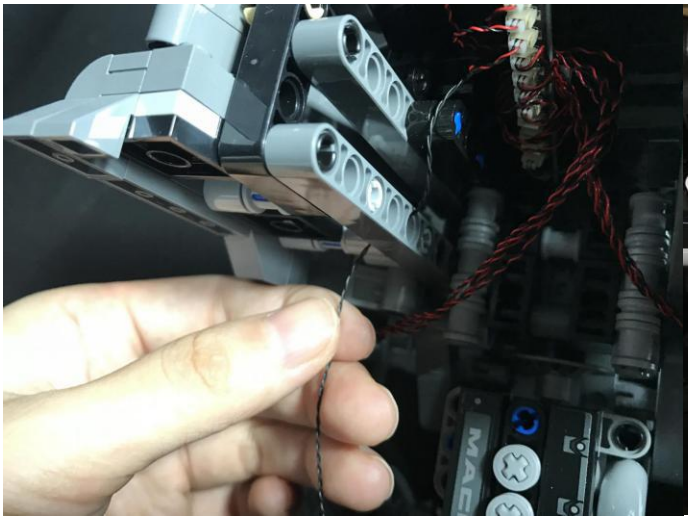
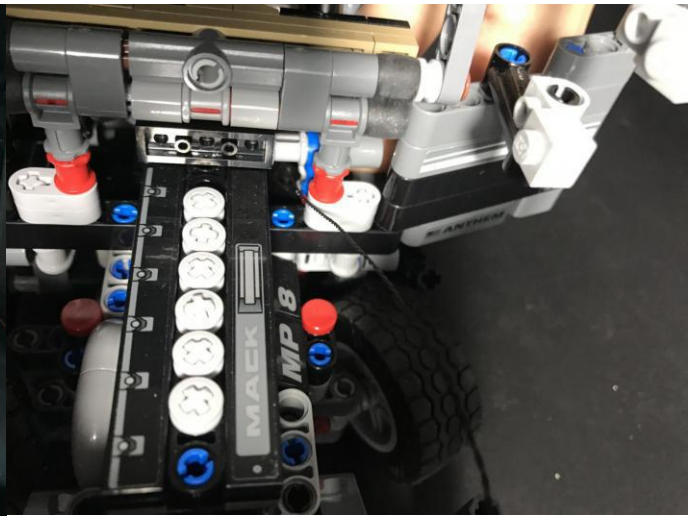
Take 2 pieces of adhesive squares, stick it on the back of the board, connect all the dot lights in the front of the car, and wrap it around the board according to the slack of the cable.

Fix the board to the inner wall of the front cover.

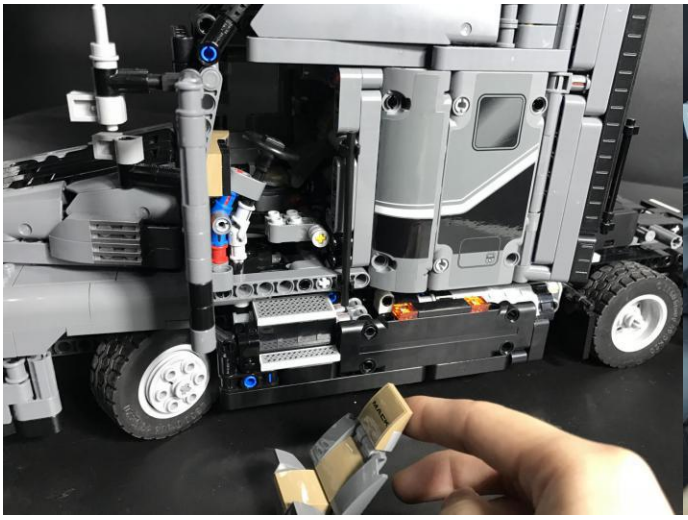
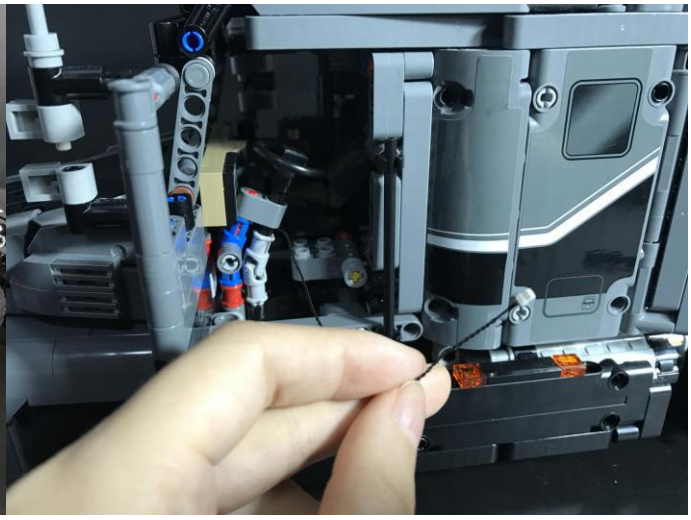


Pass the other end of the 30cm cable through the hole on the right side and then into the cab.

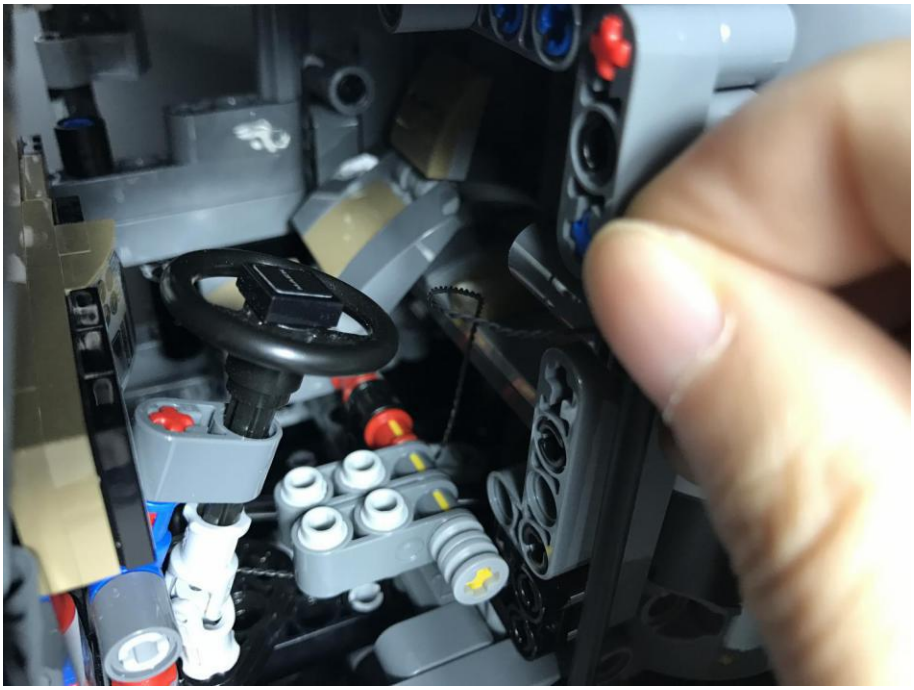



Now that we have completed the installation of the headlights, connect the power supply and test it!

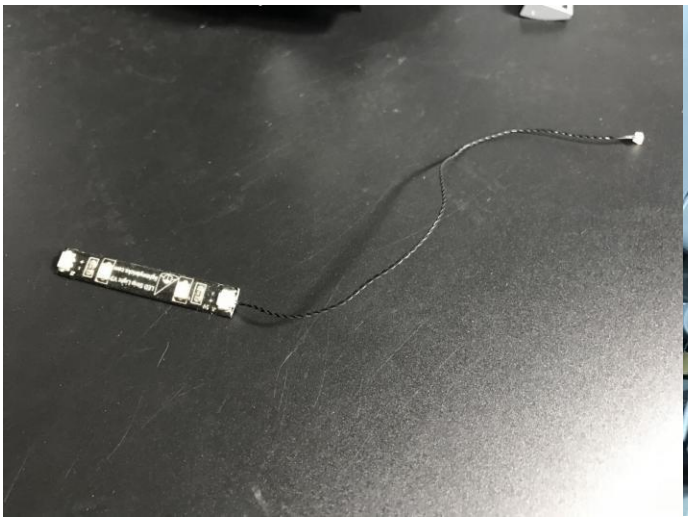
Remove the driver's seat and pull out the 30cm cable that passes through the front of the car.

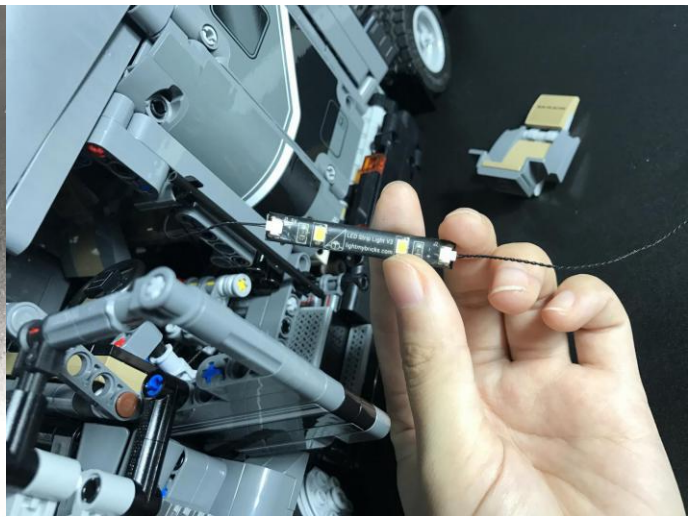



Pass the 30cm cable through the bottom of the driver's seat.

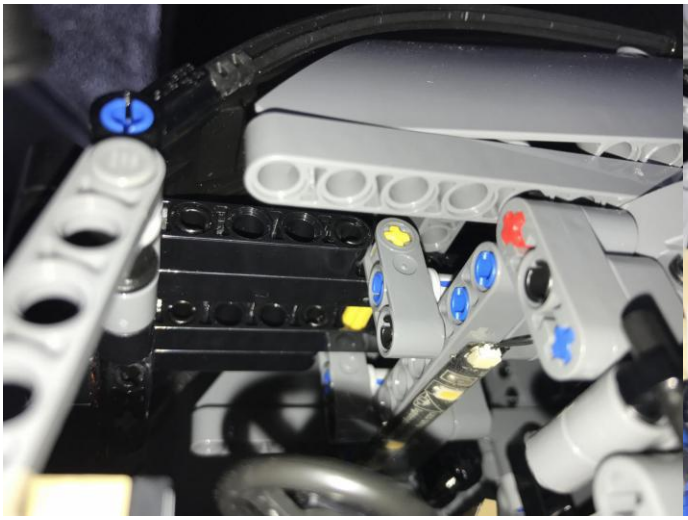


Take one warm white dot light, connect one 15cm cable, and the other end connect 30cm cable.

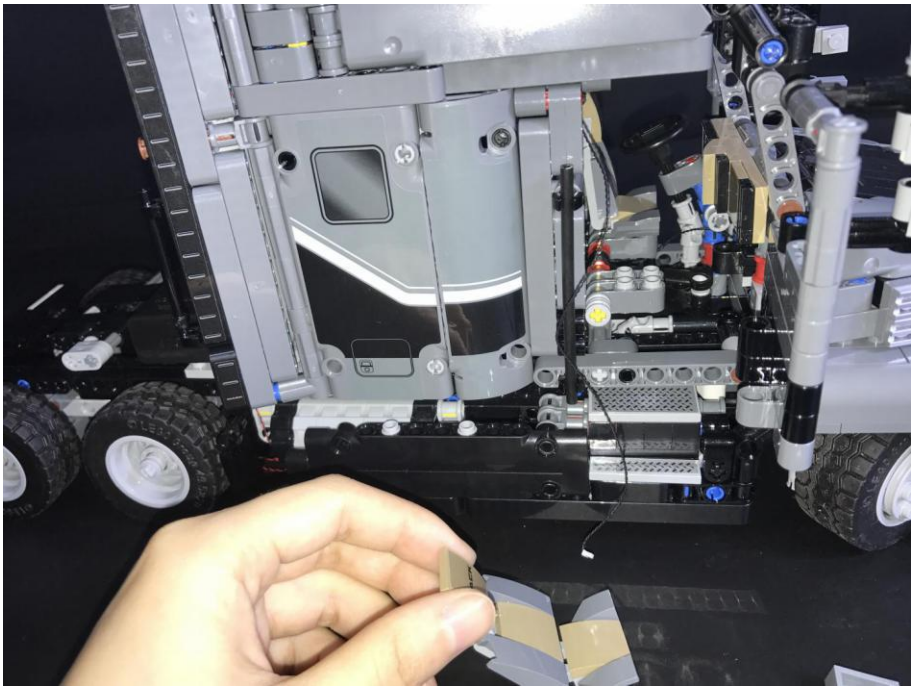




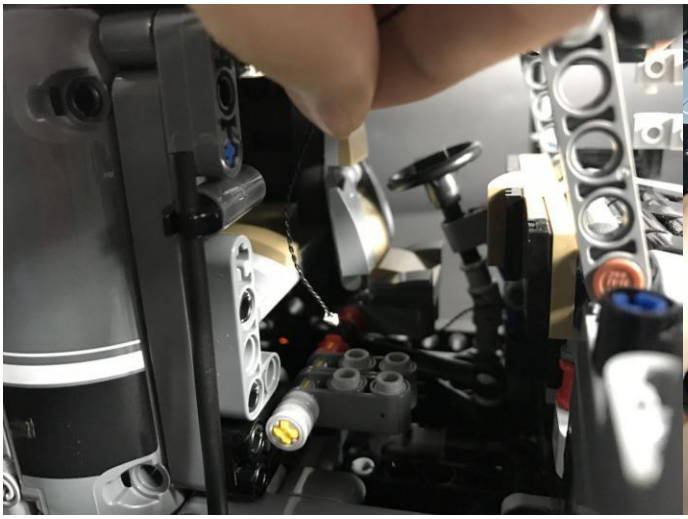
Remove the sticker on the back of the strip light, stick it to the roof, and the 15cm cable is facing the co-pilot direction. Restore the driver's seat.

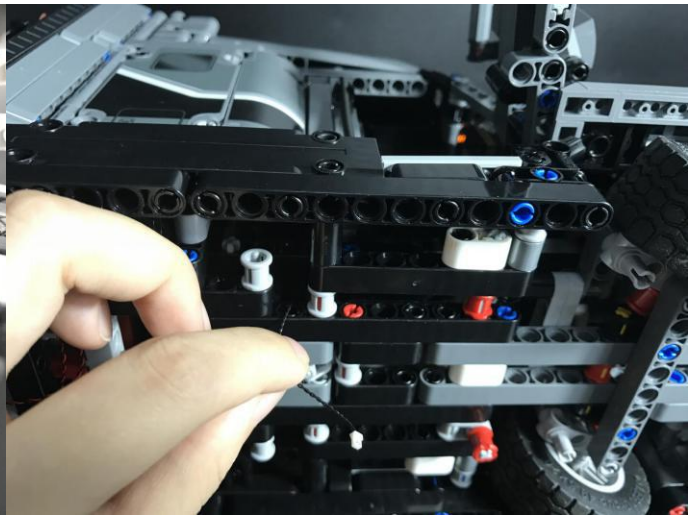


Go to the co-pilot side and remove the seat.

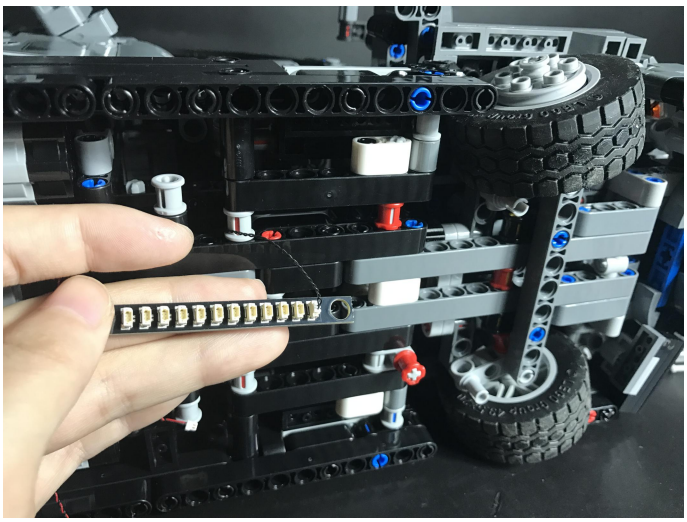


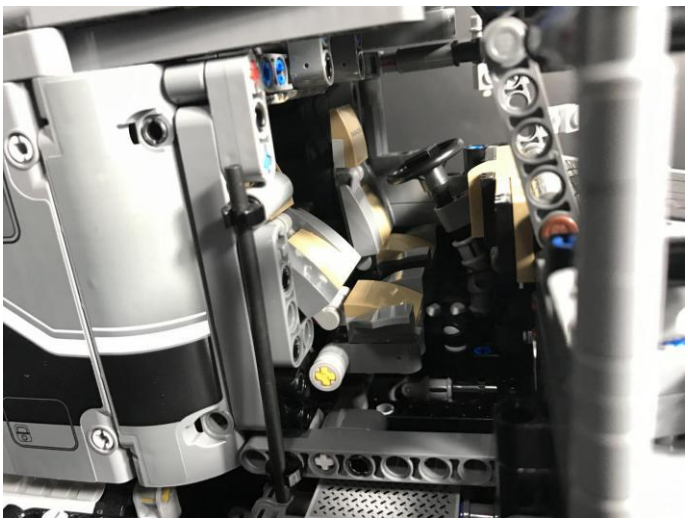
Pass the 15cm cable from the rear of the seat to the bottom of the vehicle and pull it out from the bottom of the vehicle.



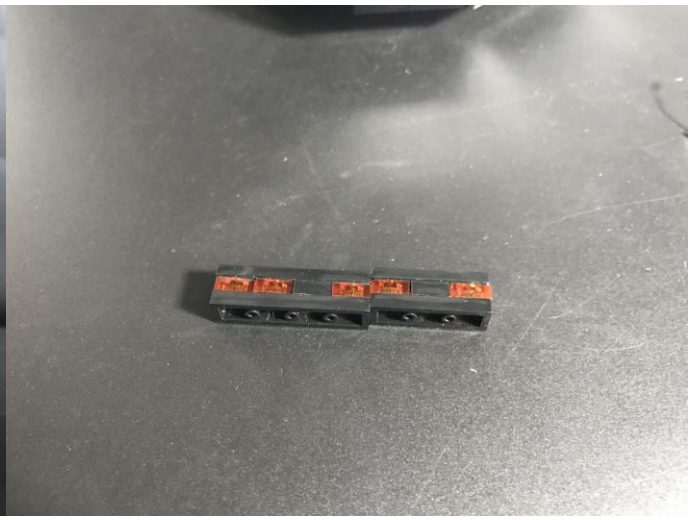


Take the second 12-port expansion board and connect the 15cm cable at the bottom of the car. Connect to the power supply and test it!



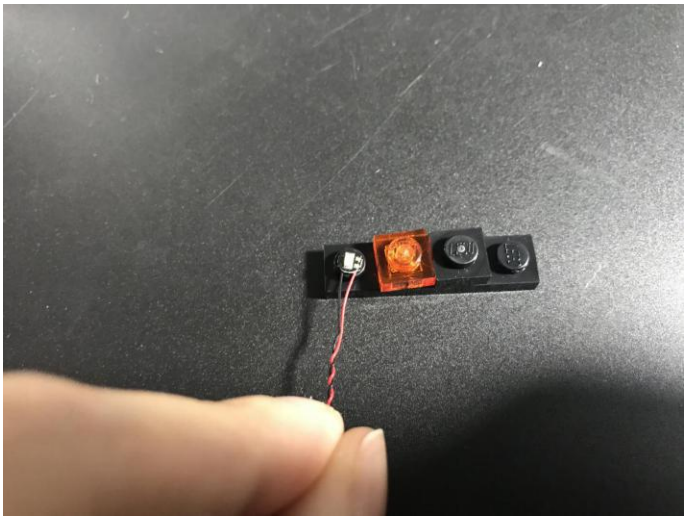


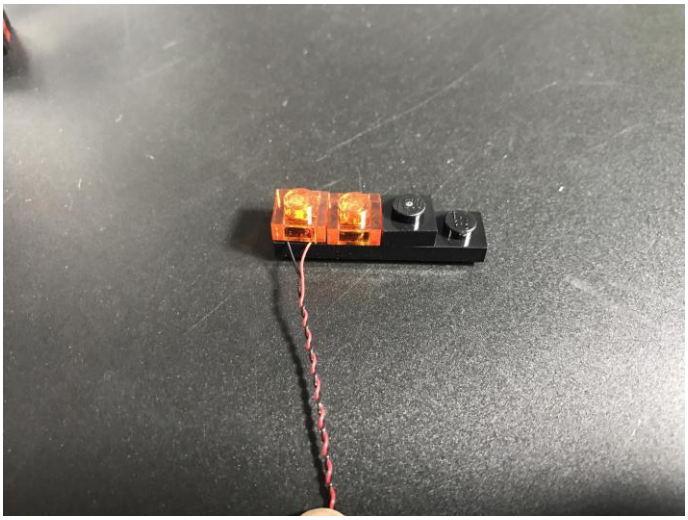
Then remove the base plate on the window.

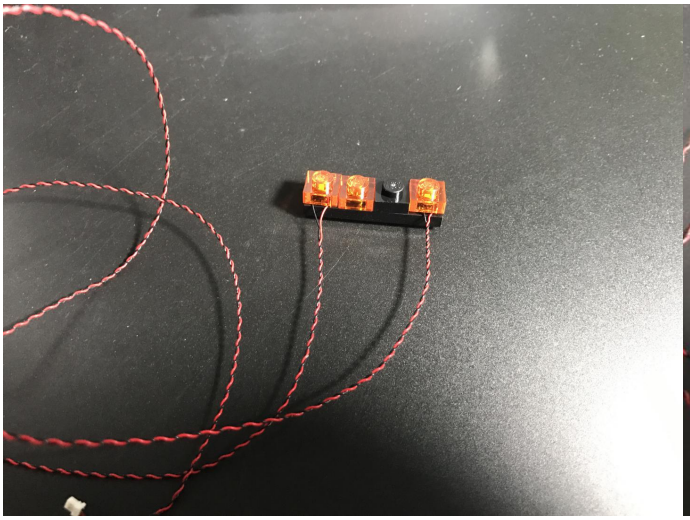


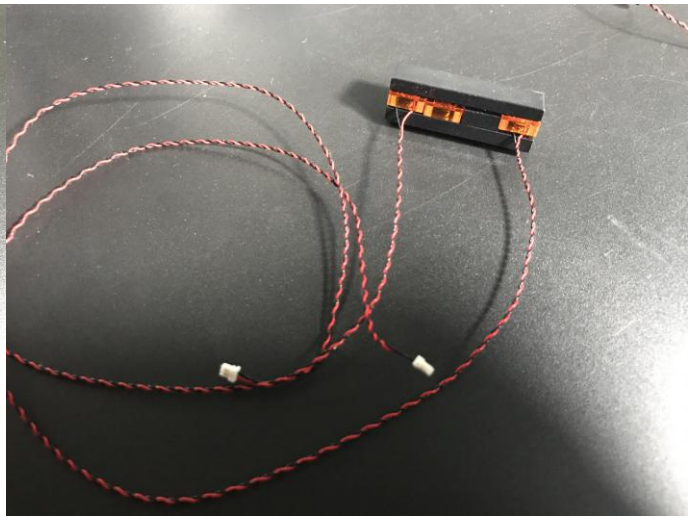
First install 1*4 piece, remove the two pieces of transparent parts as shown below, and install one dot light at each end.

Take three 30cm white dot lights, fix the first lighting side upward with a transparent piece, and the second one is same. Reconnect the base plate.

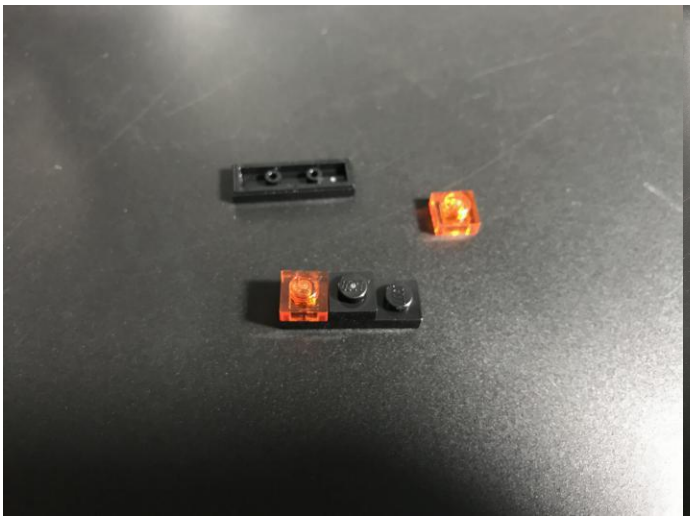


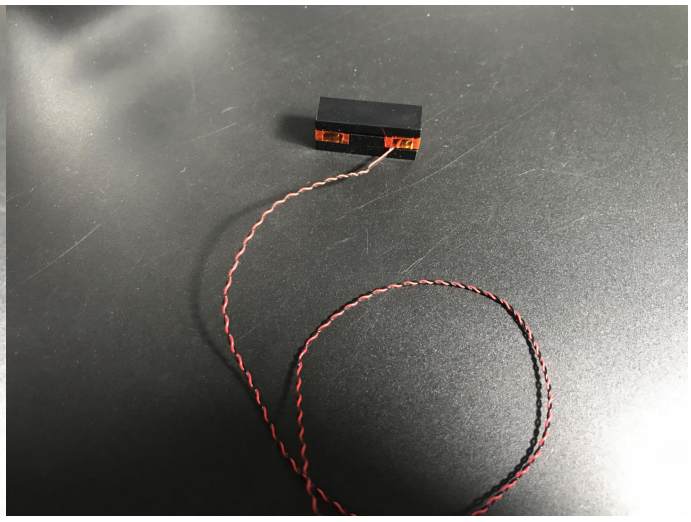




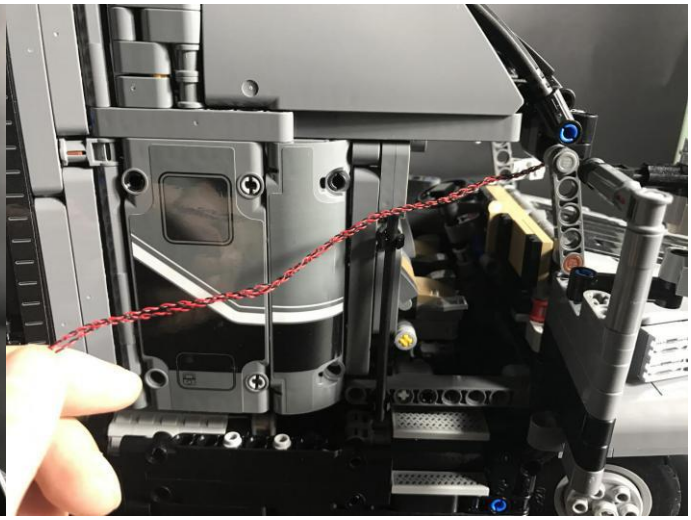


Similarly, install a third dot light on one end of the 1*3 piece.

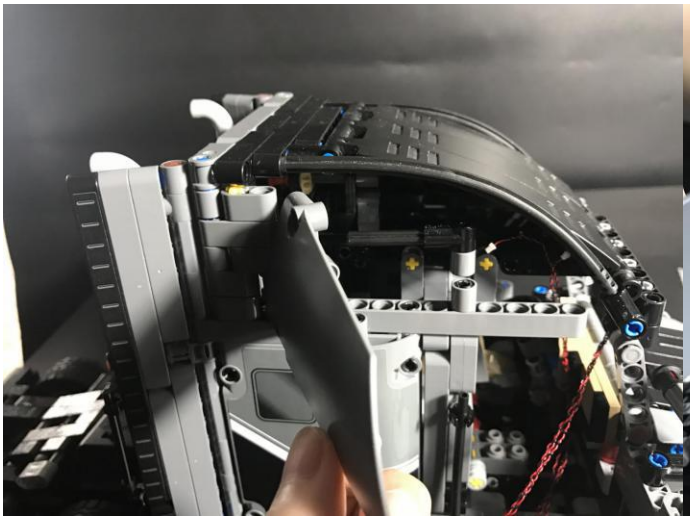
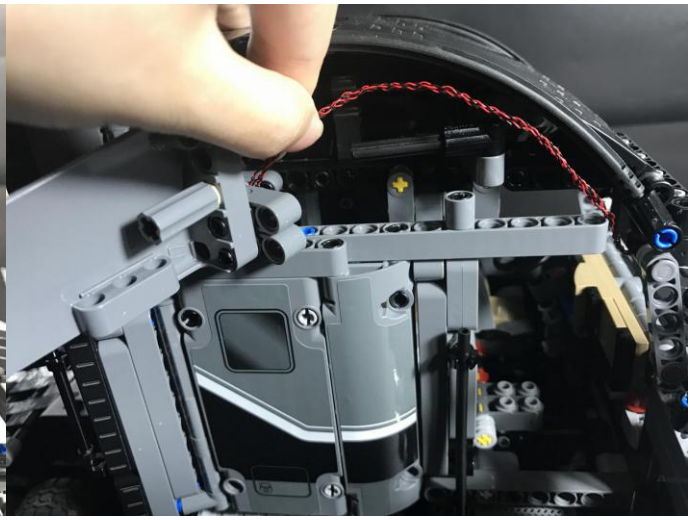




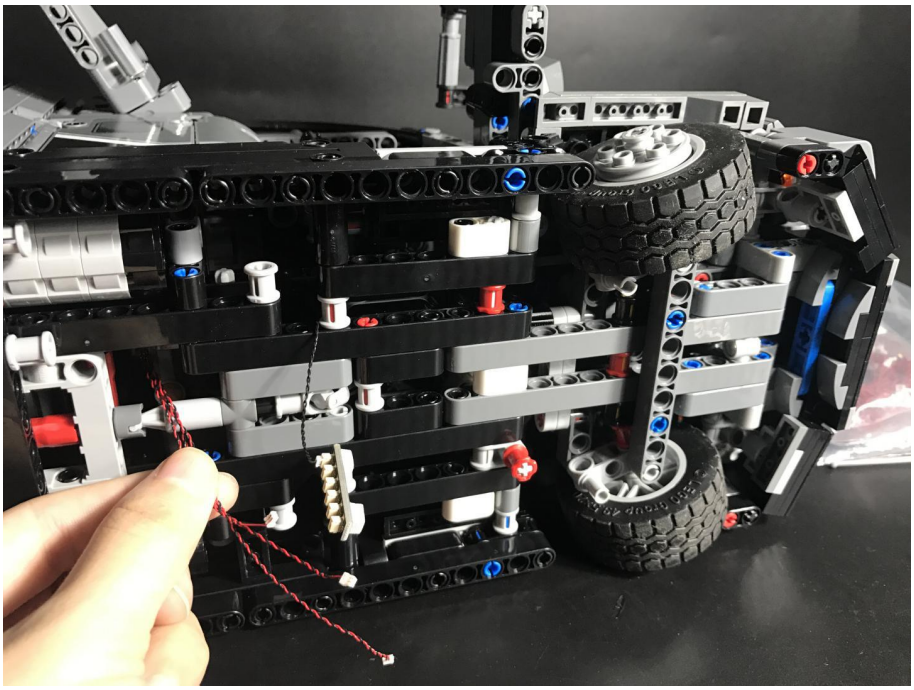
Reconnect the front pieces and twist the 3 cables into one.



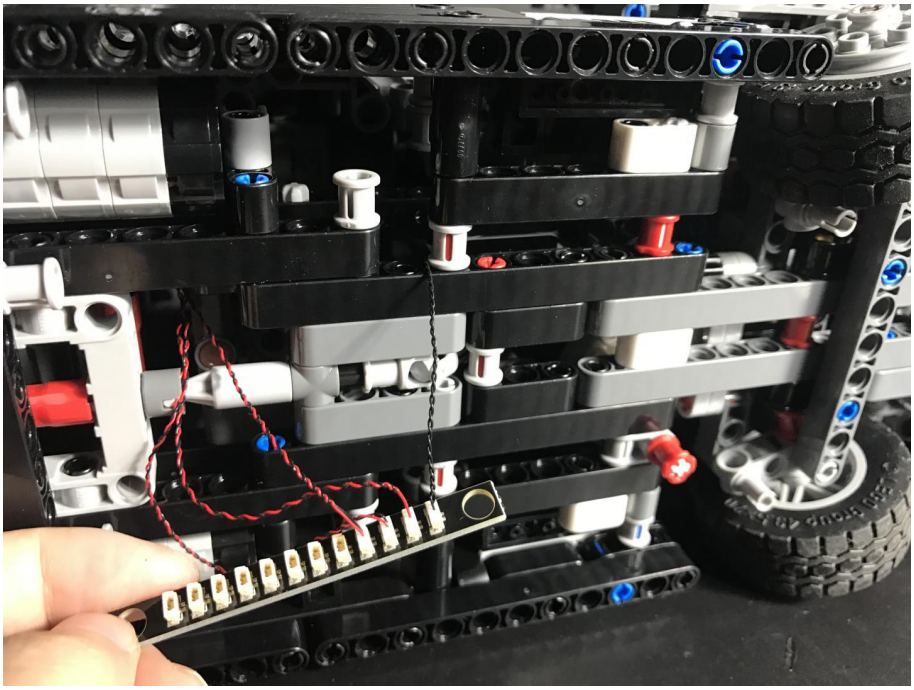
Disassemble the gray plate on the side of the front of the car, pass the cable through the upper beam and then pass it down into the bottom of the car.

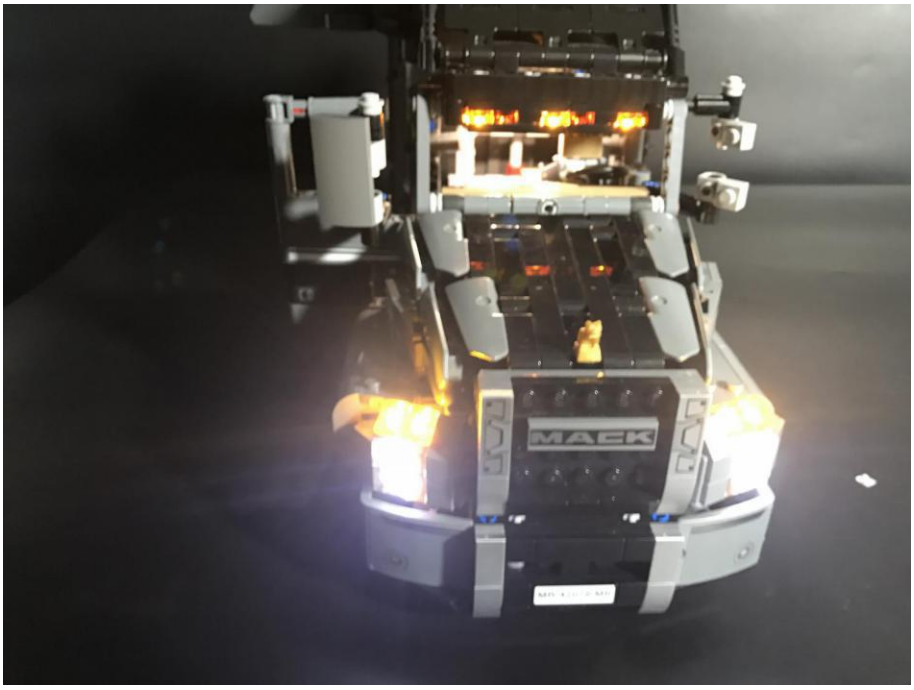



Pull out from the bottom of the car and use the tweezers or chopsticks to assist.

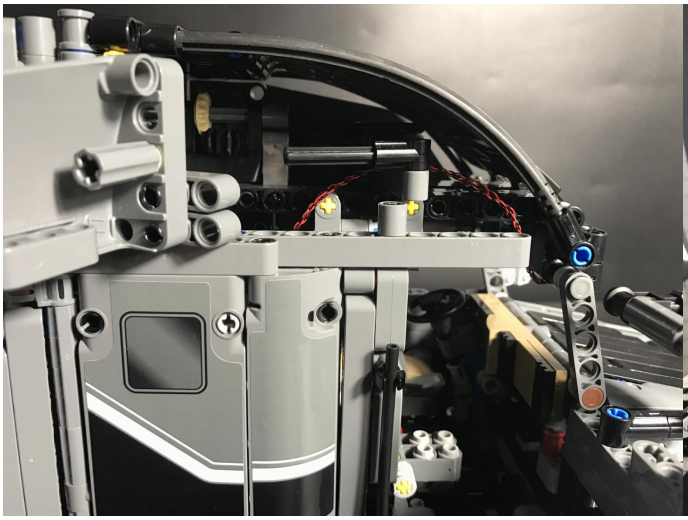
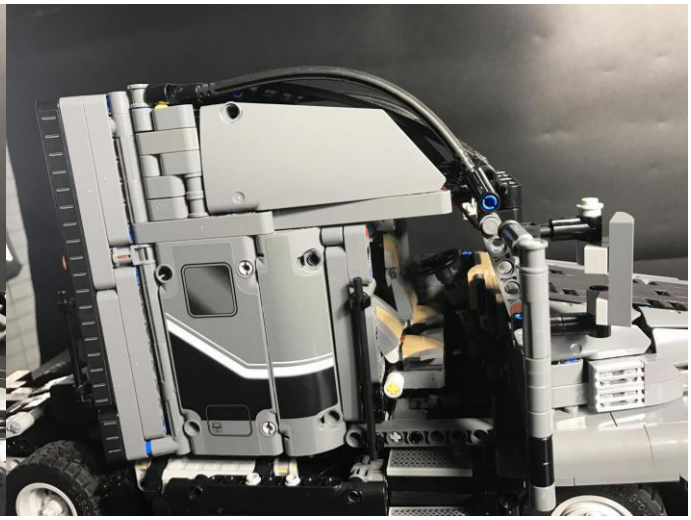


Connect the plug to the 12-port expansion board and connect it to the power supply.

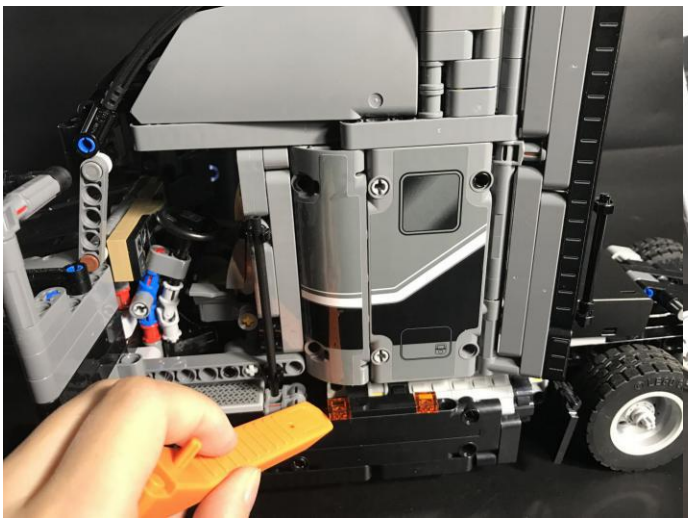
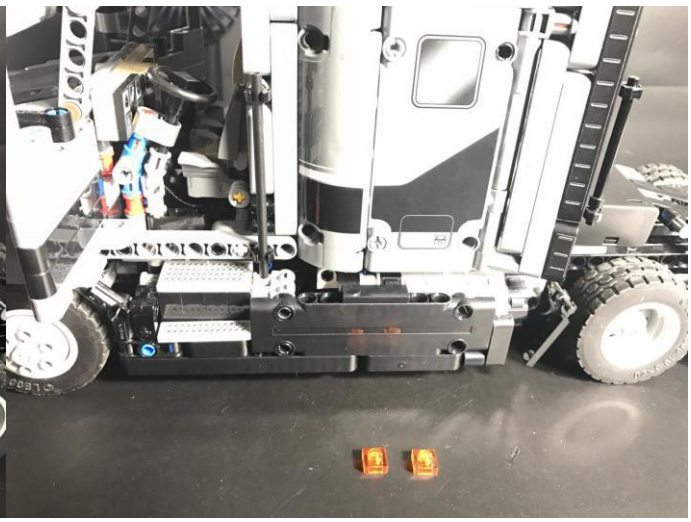




Reconnect the roof side gray plate and the co-driver seat.

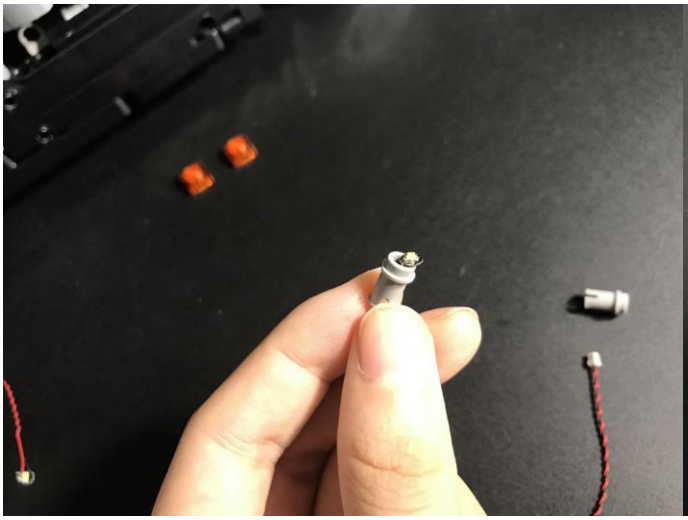
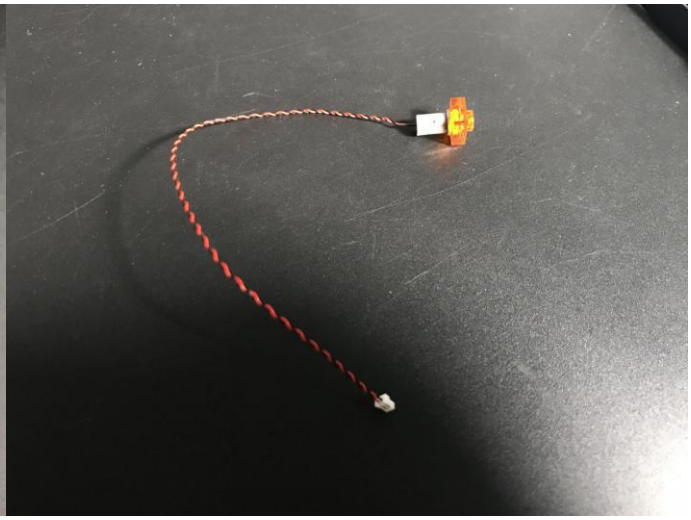



Then we start to install the lights on the side of the front of the car, and remove the orange transparent part in the picture.

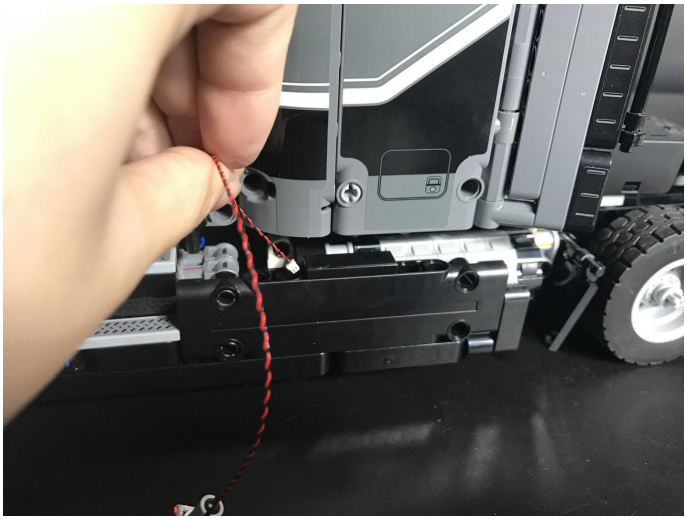
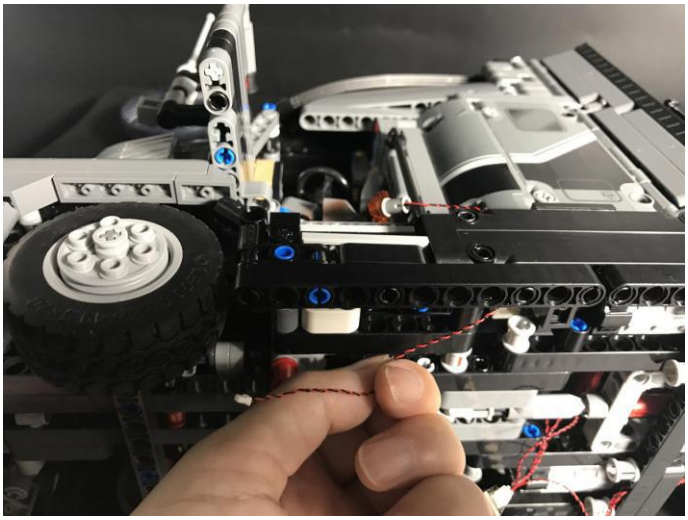



Take two 15cm white dot lights and 2 gray technologic pins.

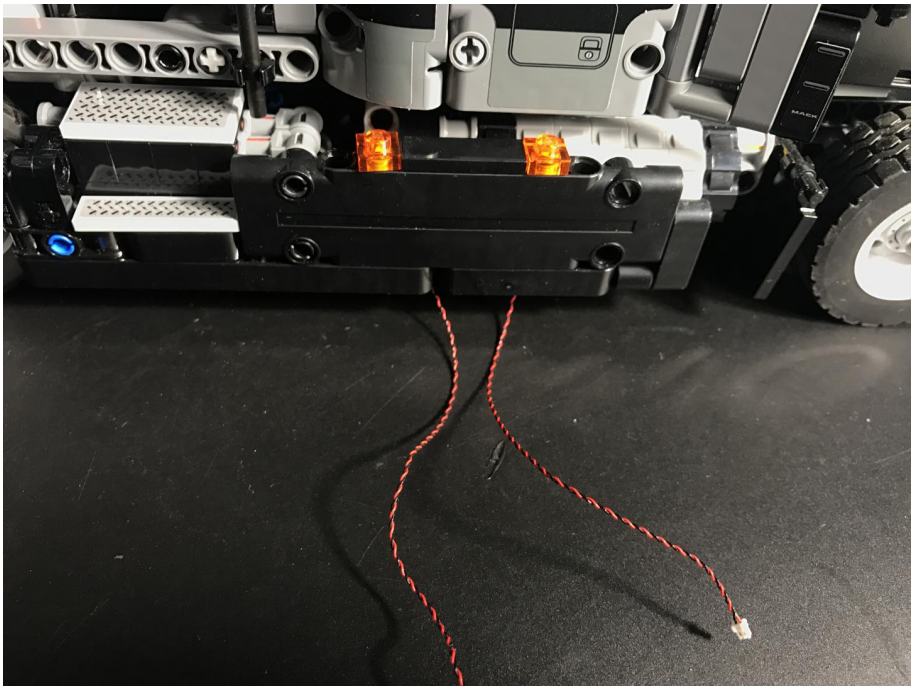
Insert the plug end of the dot light into the gray pin, fold the end of the light into 90°, and fasten the lighting side up with a transparent piece.

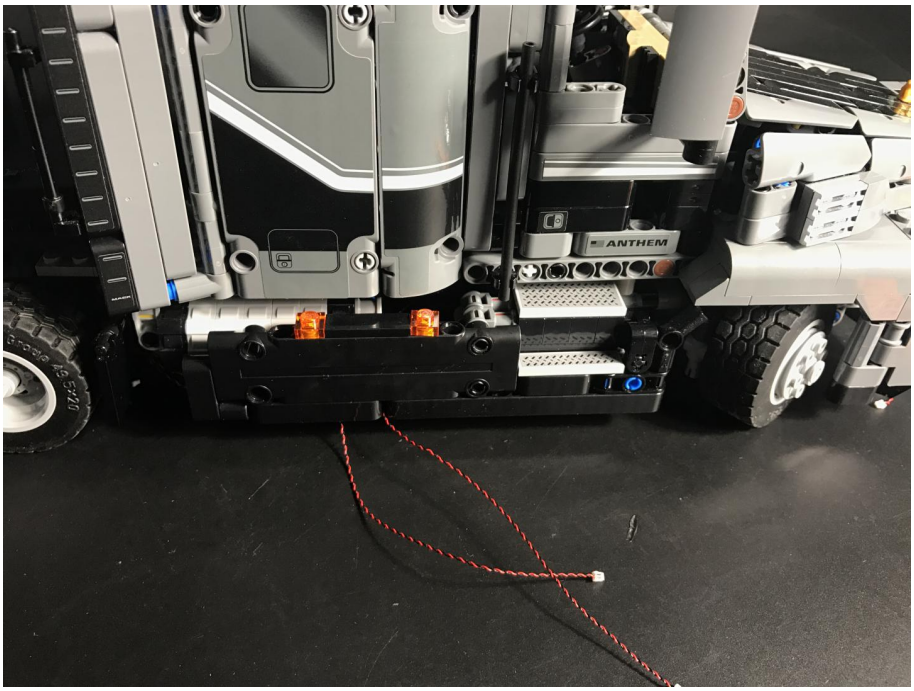
Then insert the plug end from the position where the transparent part was originally installed into the bottom of the vehicle, and fix the gray pin.

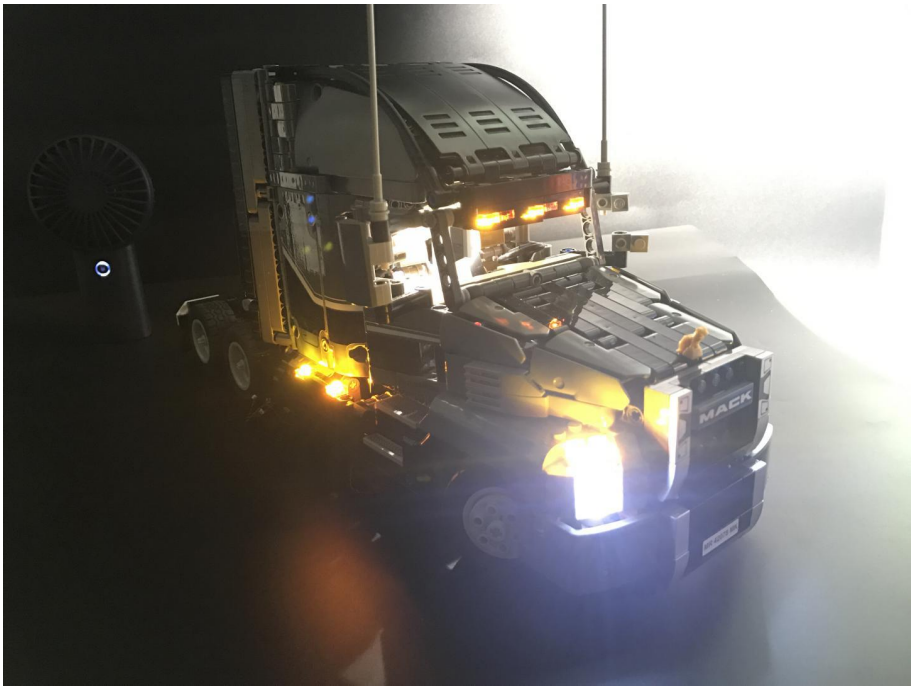
Repeat the operation to install another dot light.



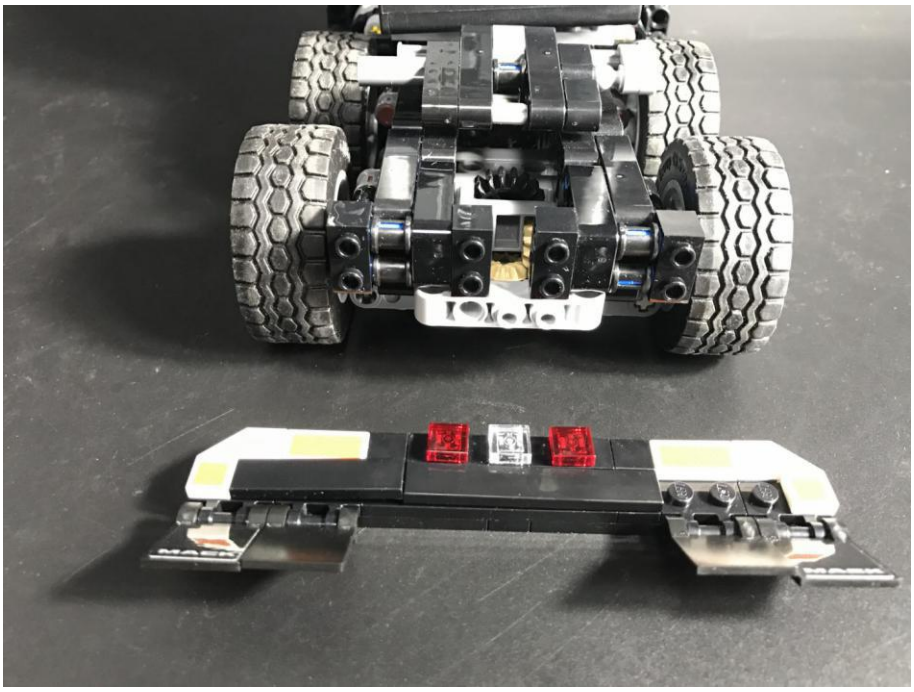
Go to the other side of the car, take two 15cm white dot lights and two gray pins, repeat the above operation to install the dot lights.



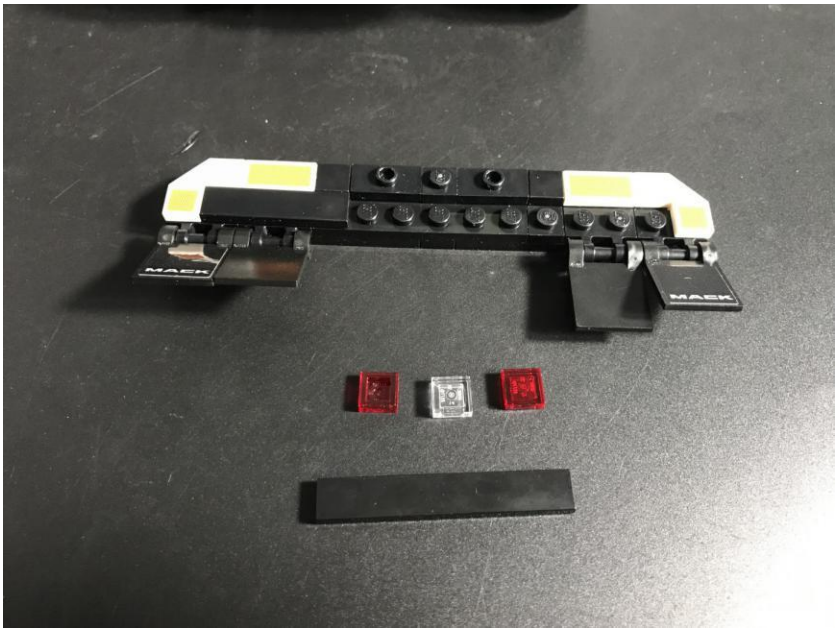
Connect the power supply and test it!



Now transfer the first part of the car to the rear of the car and remove the tail.

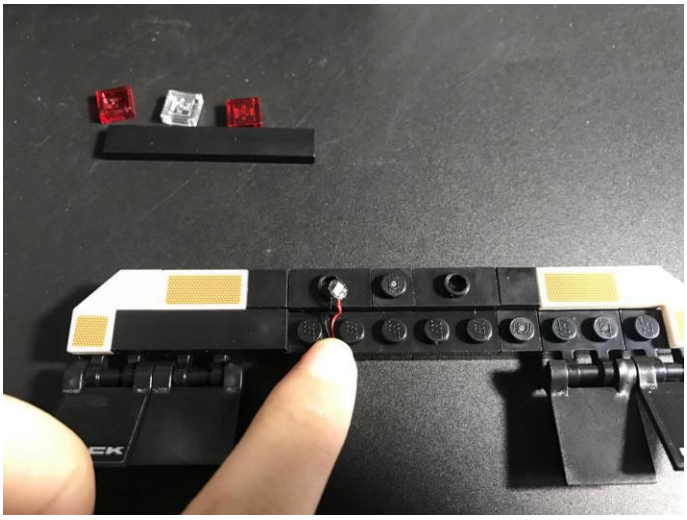


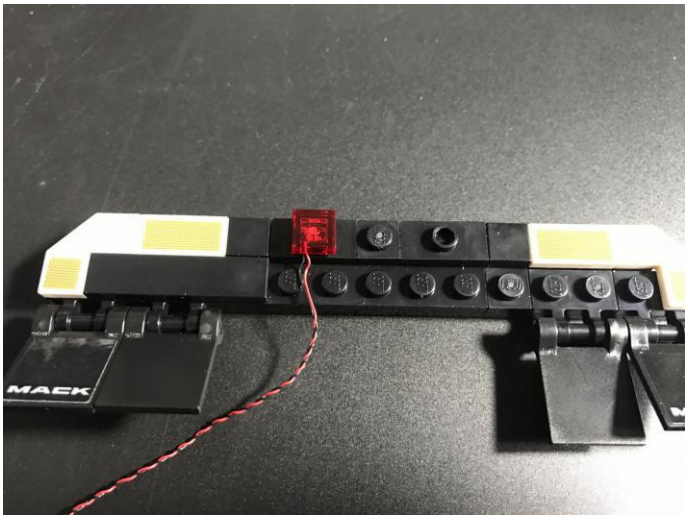
Separate the transparent part and the lower base plate.

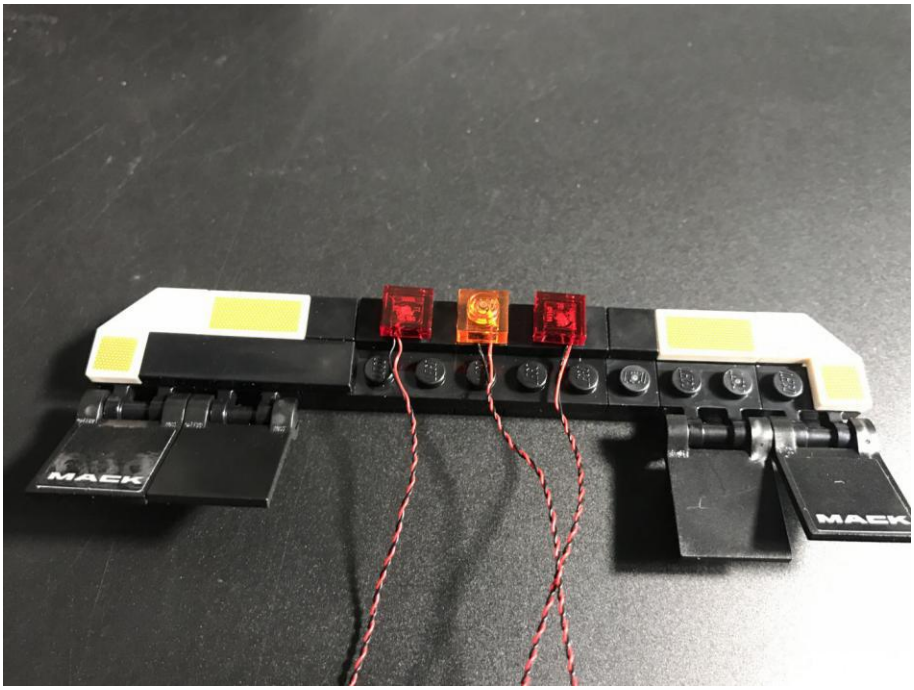


Take three 30cm white dot lights and one orange square transparent piece.

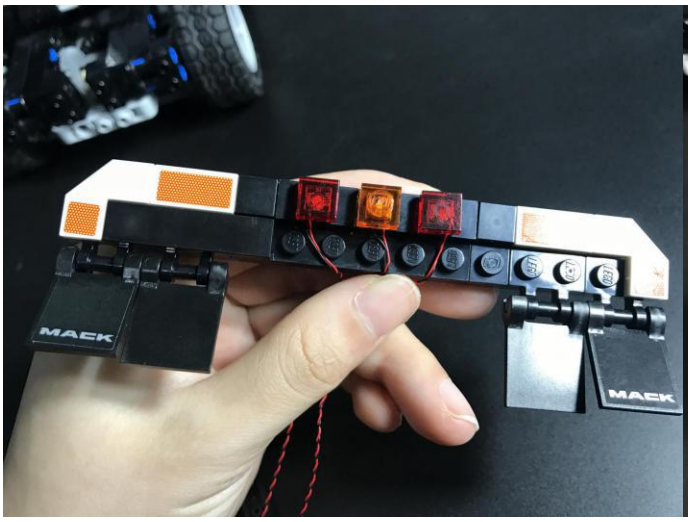
The three dot lights are sequentially fixed with a transparent piece, and the original white transparent piece is replaced with an orange transparent one.

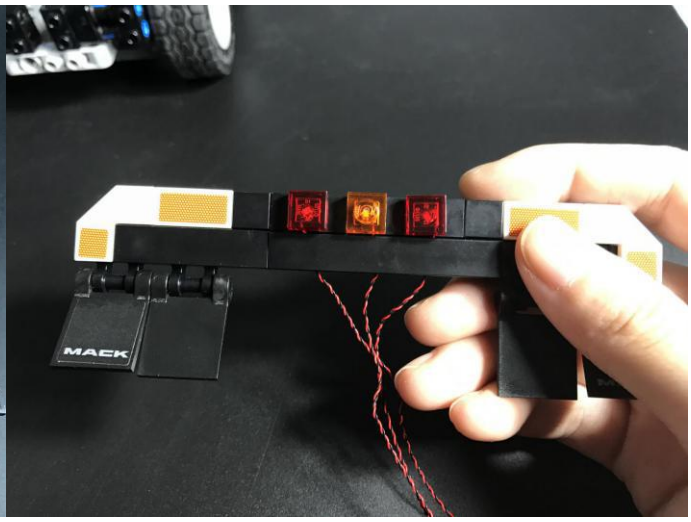




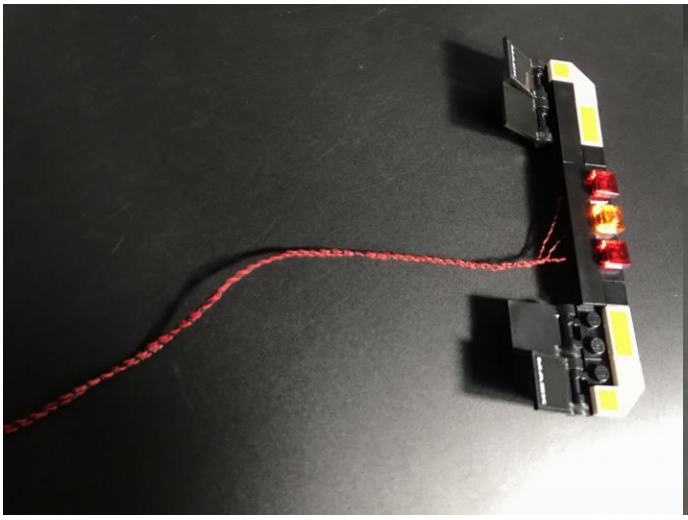


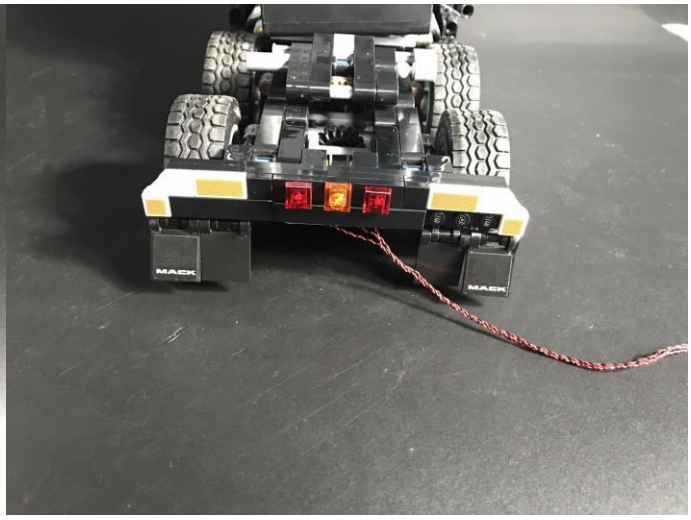
Press the 3 cables with the base plate to the lower stud gap.



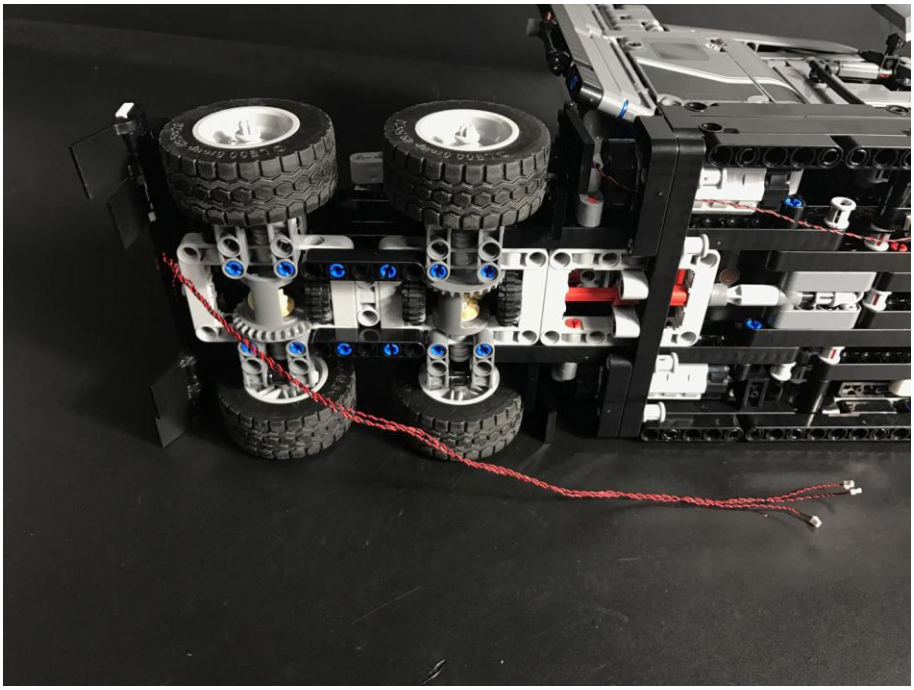


Screw the 3 cables to the right to make a strand.

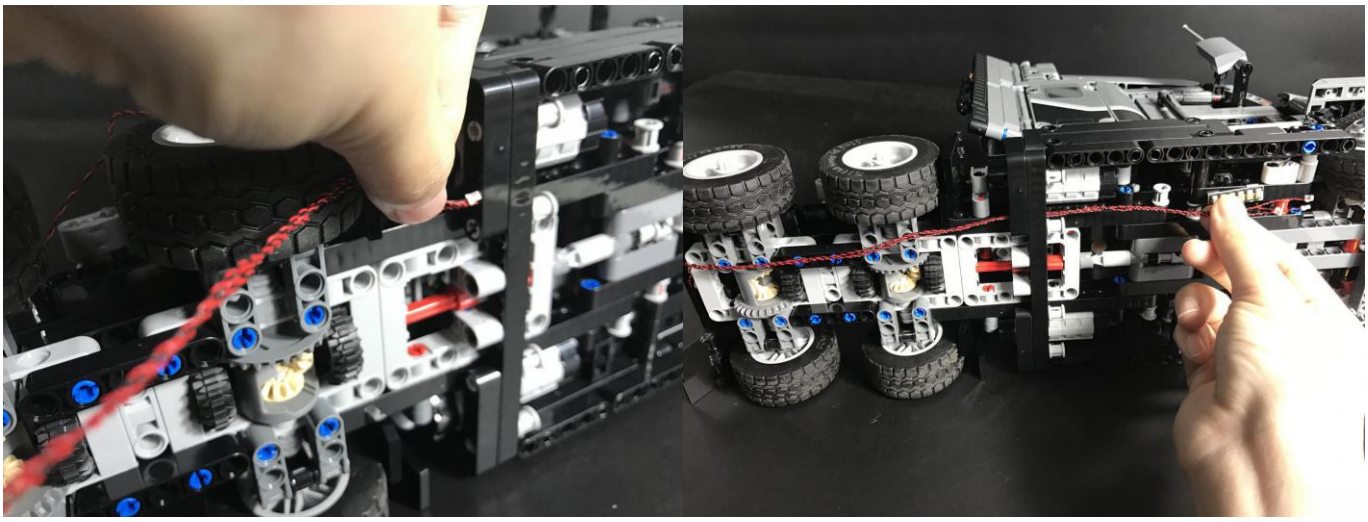




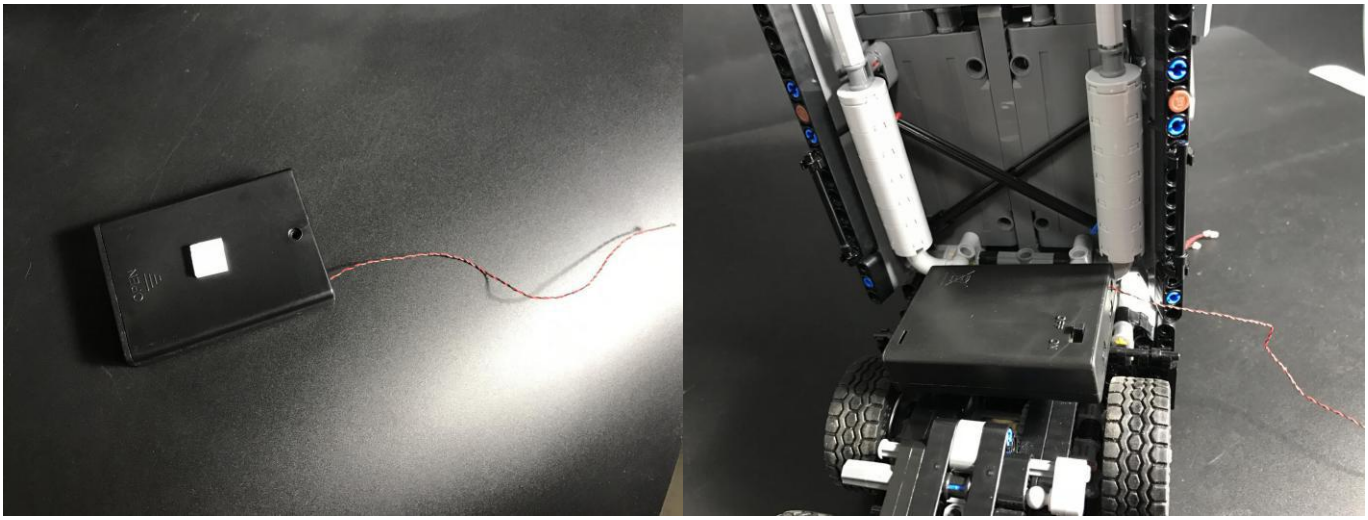
Put the car on the side.



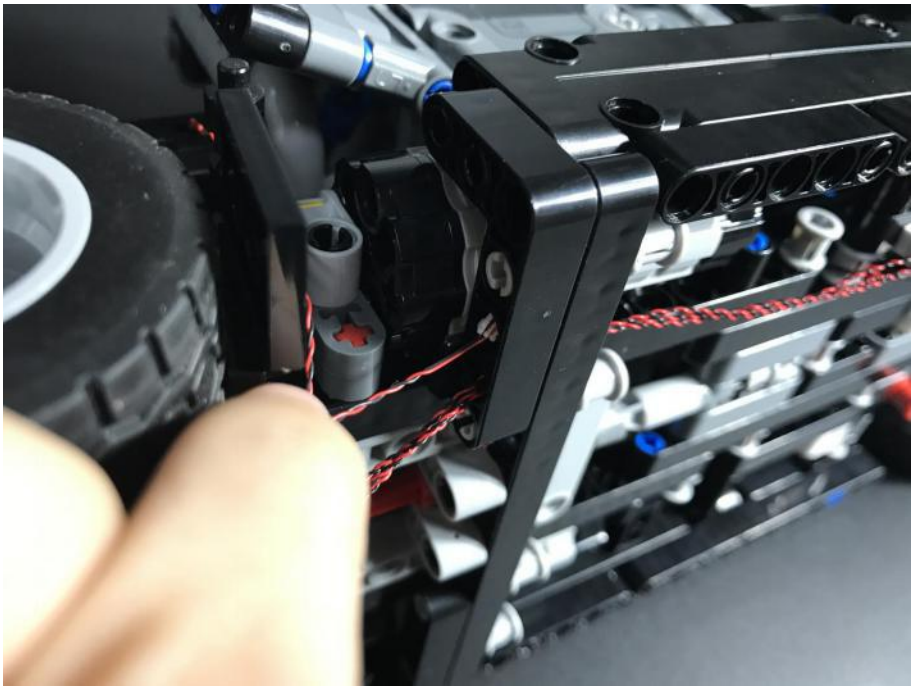
Pass the cable from the hole on the side of the car to the direction of the front.



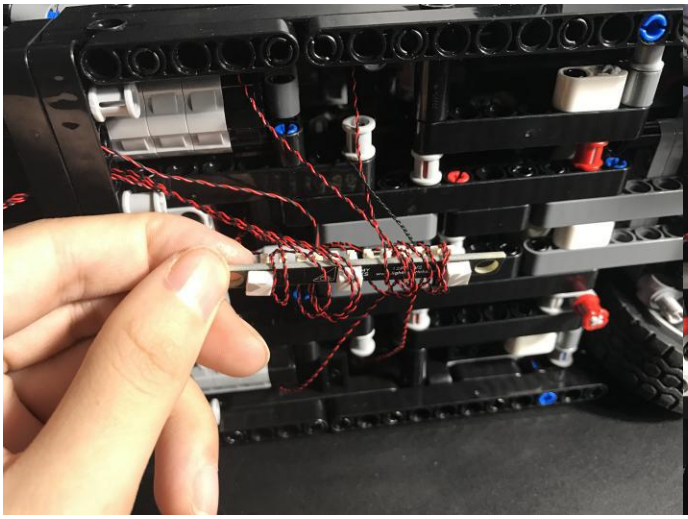
Take the battery pack, install the battery, stick the adhesive square on the other side of the light, fix the battery pack on the rear panel, and pay attention to the light upwards.

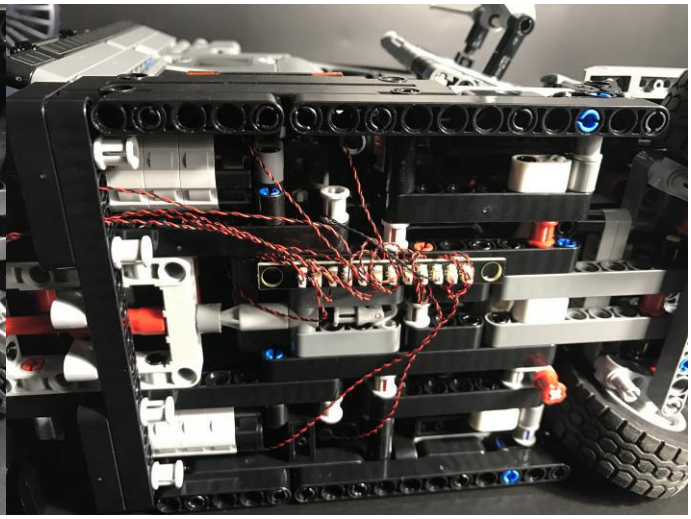


Pass the plug end on the battery pack through the hole in the bottom of the car and pull it toward the front of the car.



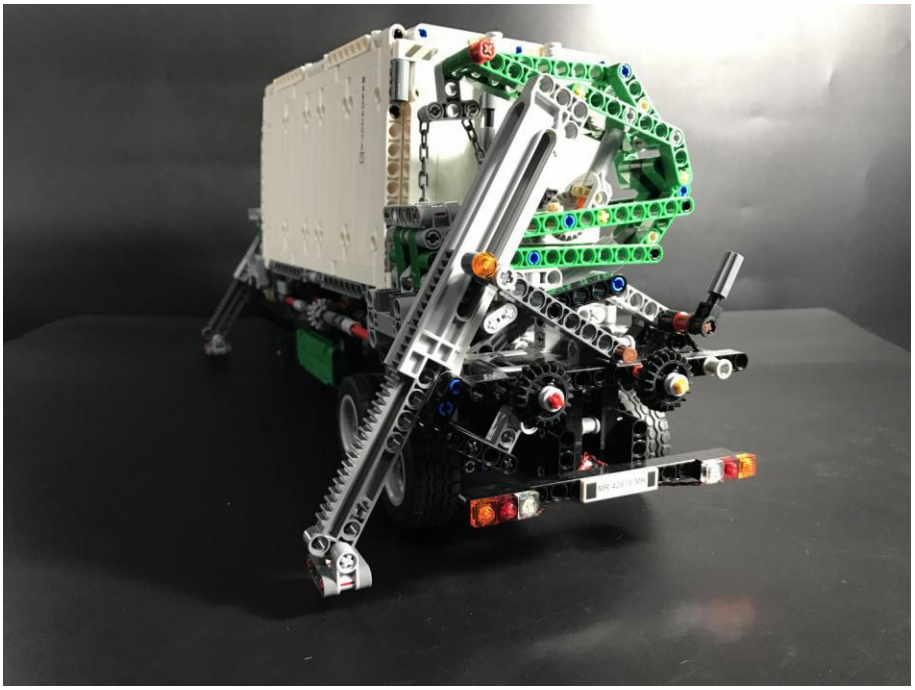
Connect the 12-port expansion board, attach adhesive square to the board, wrap it around the board according to the slack of the cable, and fix the board to the bottom of the vehicle.



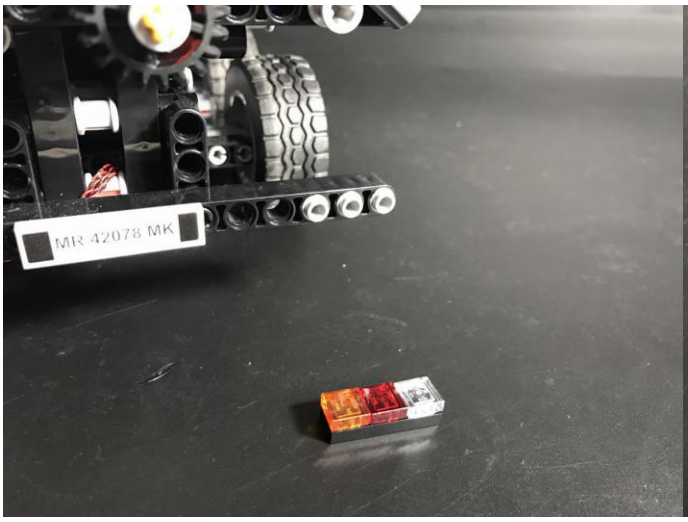


Now that we have completed the installation of the first part, open the light and enjoy it!

Then we start to install the second part of the taillights.

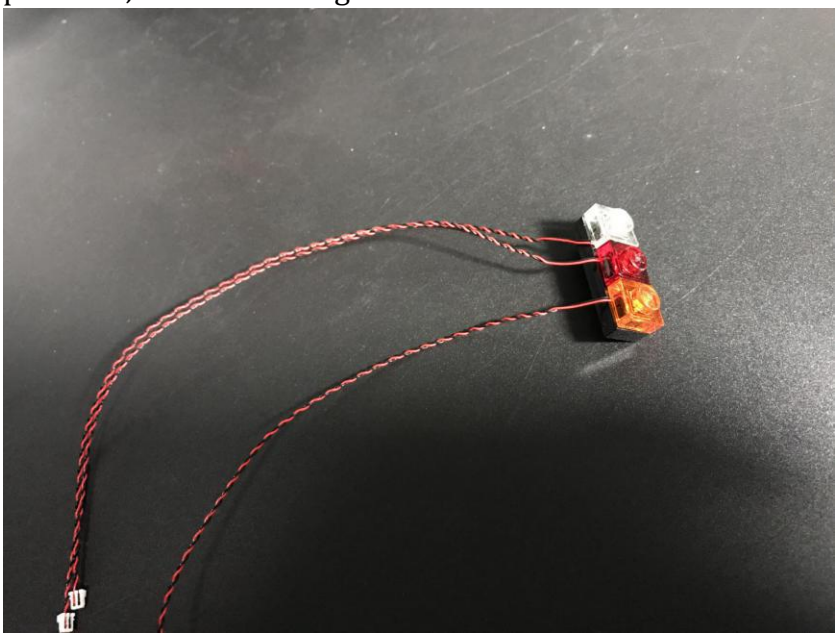


Remove the tail light on the right side and the light transparent piece.

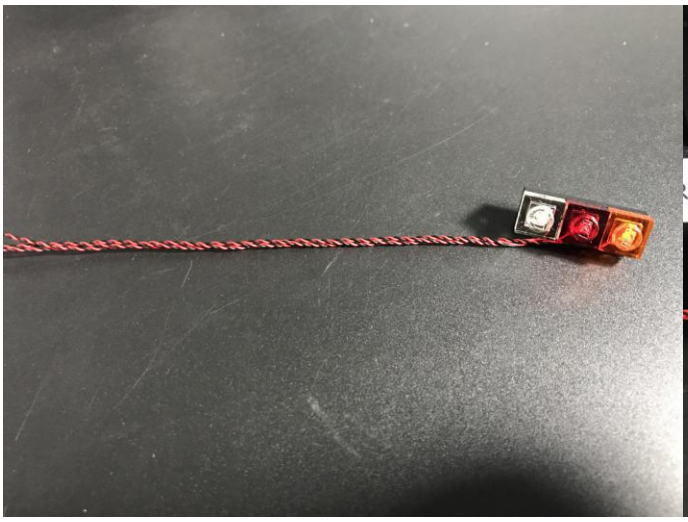


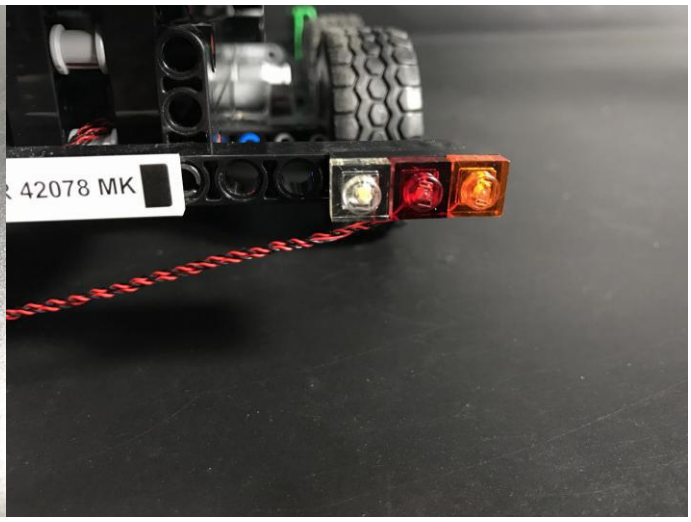
Take three 30cm white dot lights, and a orange, a red and a clear transparent pieces.

Repeat the previous operation, replace the original transparent piece with the transparent piece provided, and fix 3 dot lights.

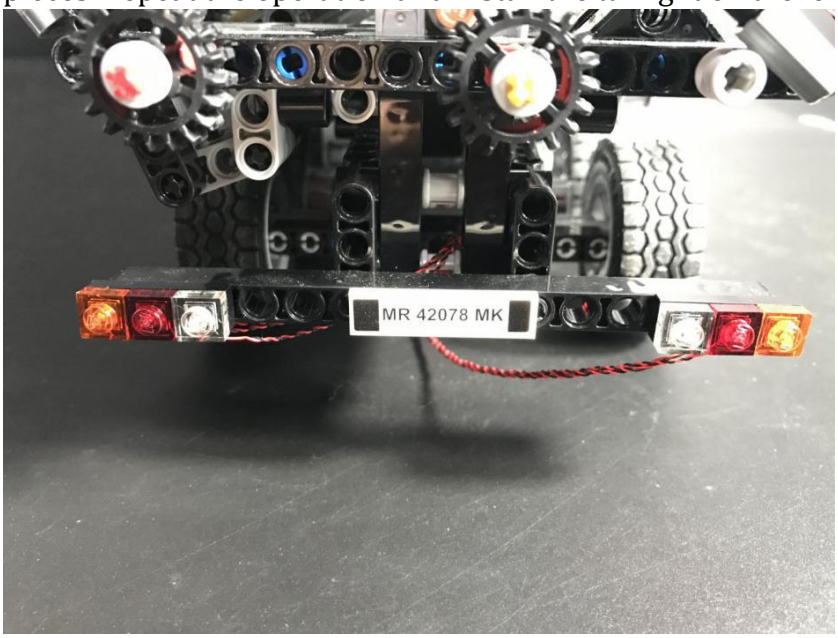


Screw the 3 cables to the left to make a strand, reconnect the taillight.

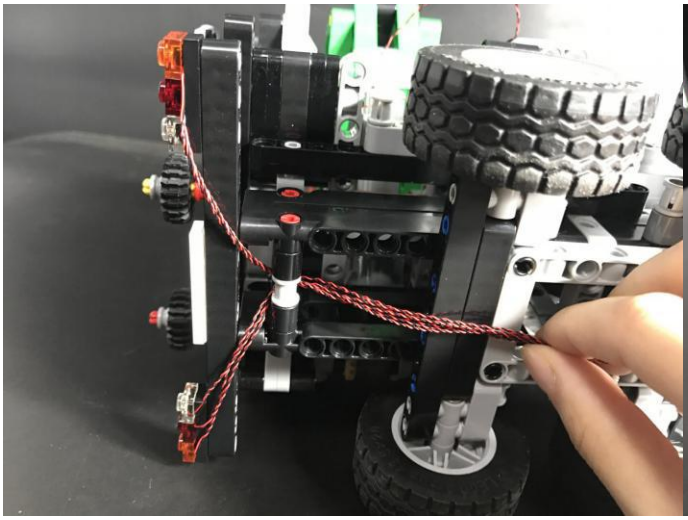


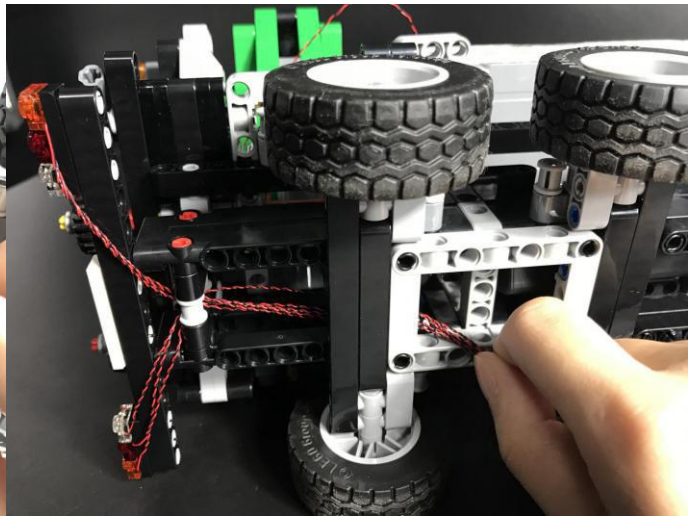


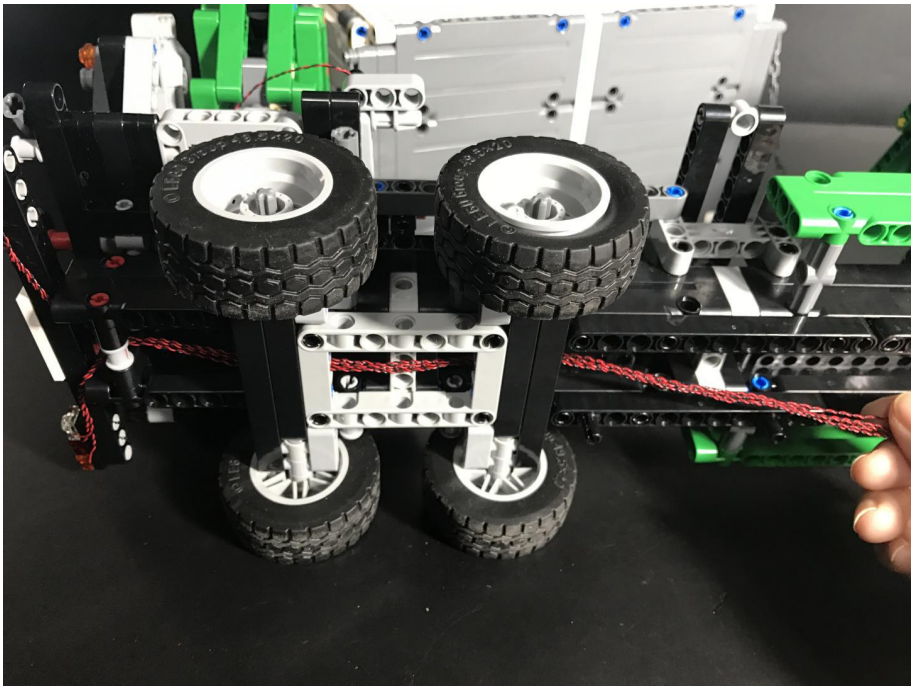
Take another three 30cm white dot lights, one for each of white, orange and red square transparent pieces. Repeat the operation and install the taillight on the left side.



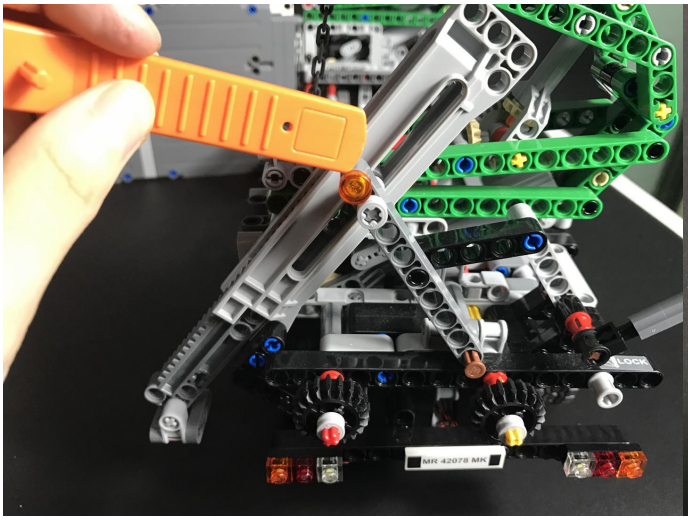
Place the car on the side, as shown below, thread the cable into the bottom of the car and pull it toward the middle of the car.





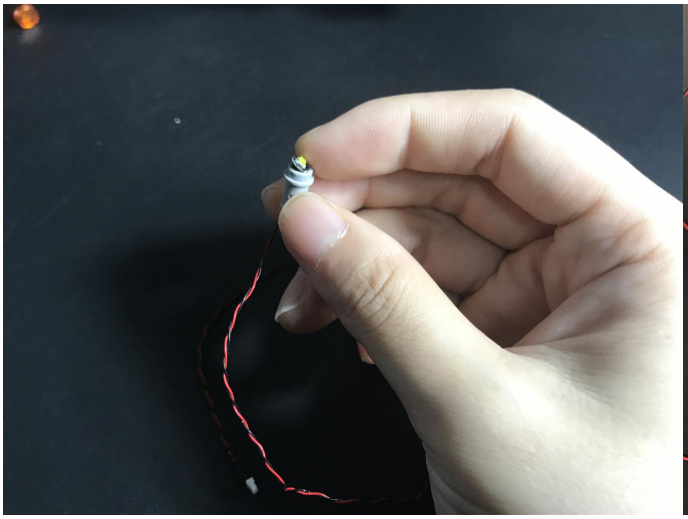
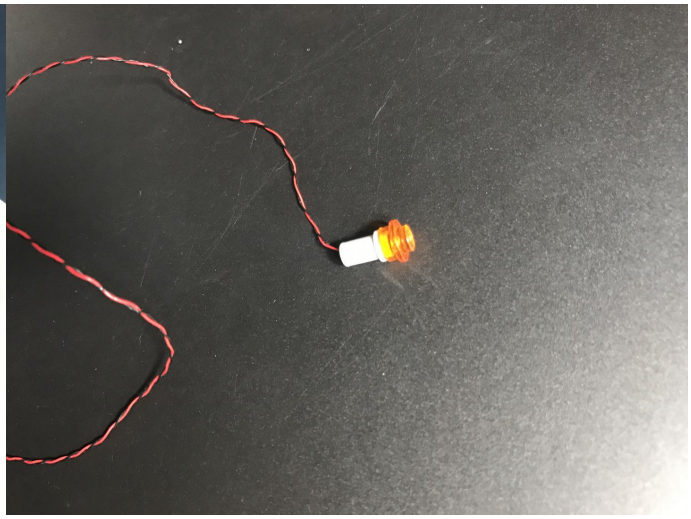


Then remove the orange transparent piece and the gray pin on the rear load-bearing bracket.

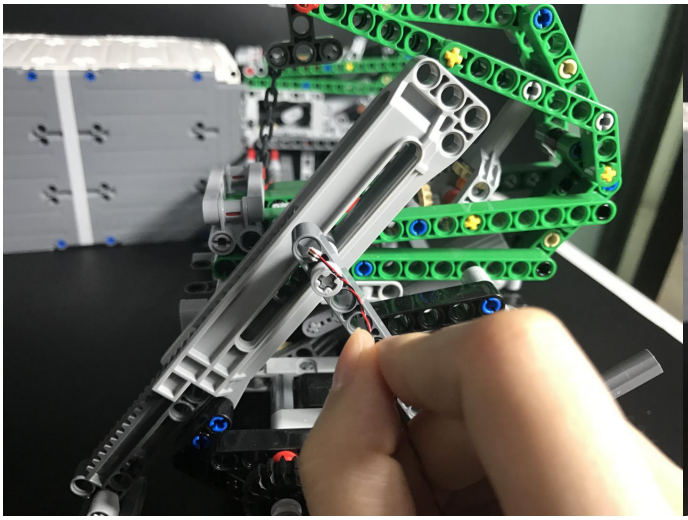
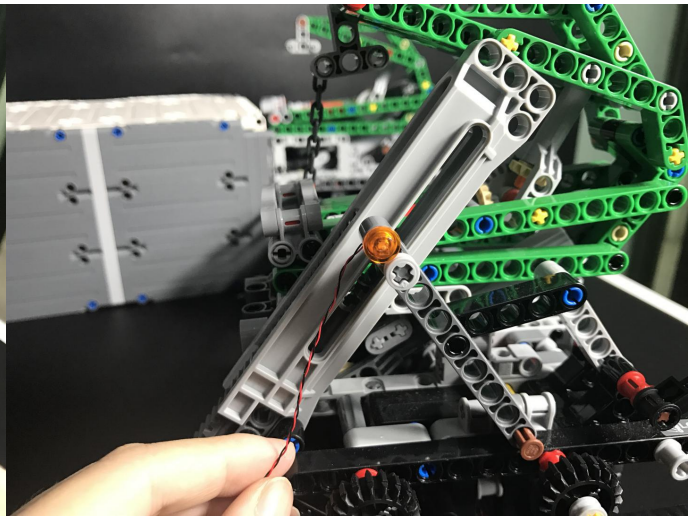


Take one 30cm white self-flashing light, one orange transparent small round plate.

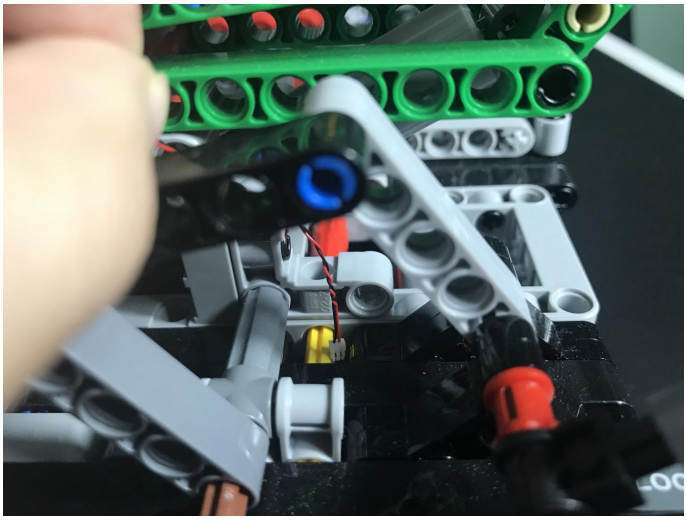
Put the plug end into the gray plug and use the orange transparent small round plate to hold the dot light.

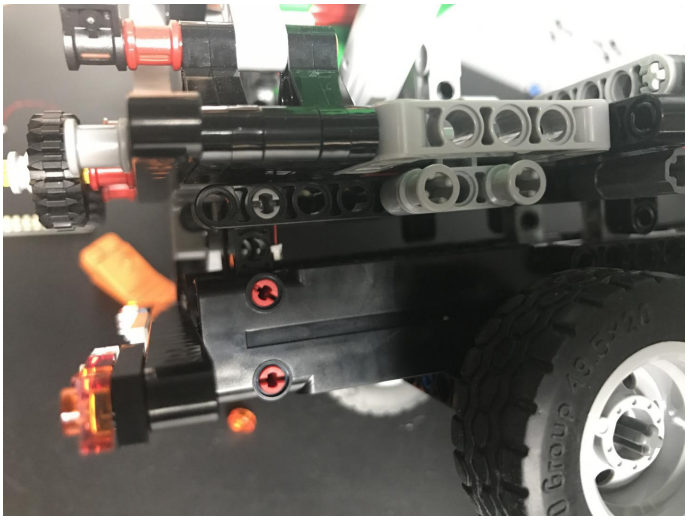



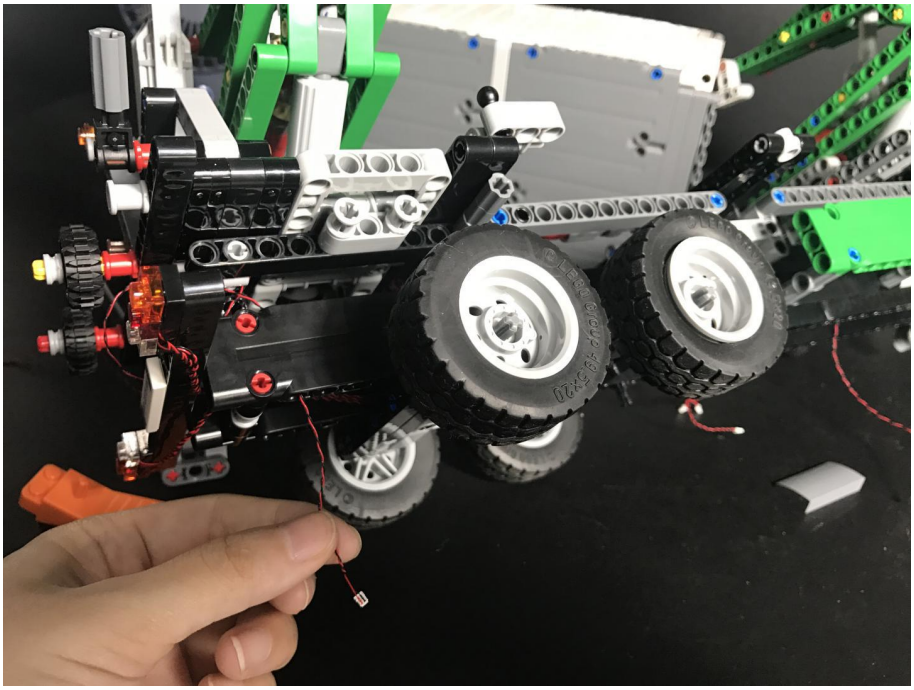
Then insert the plug end through the hole in the bracket and install the gray pin.

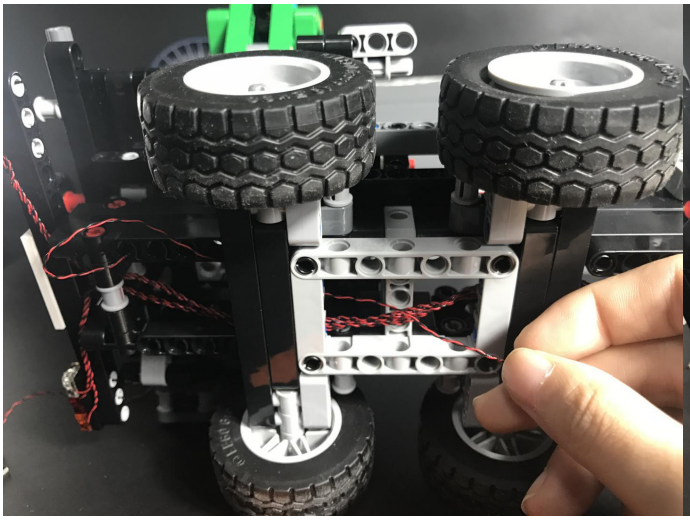
Then insert the plug end into the bottom of the vehicle from the gap next to the yellow brick under the inside of the bracket.

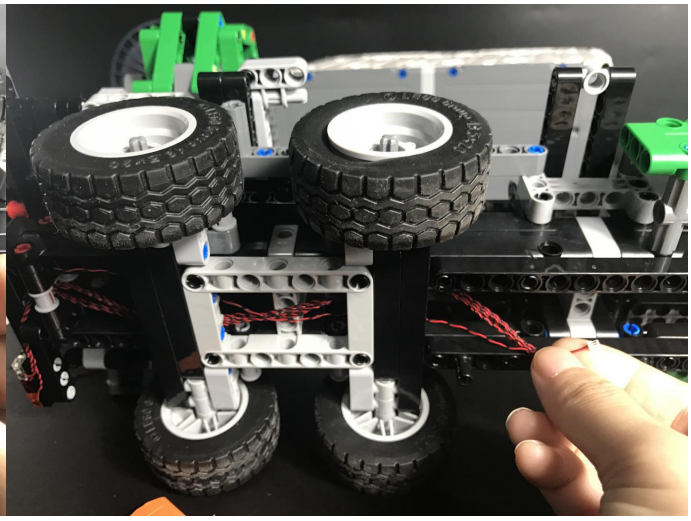




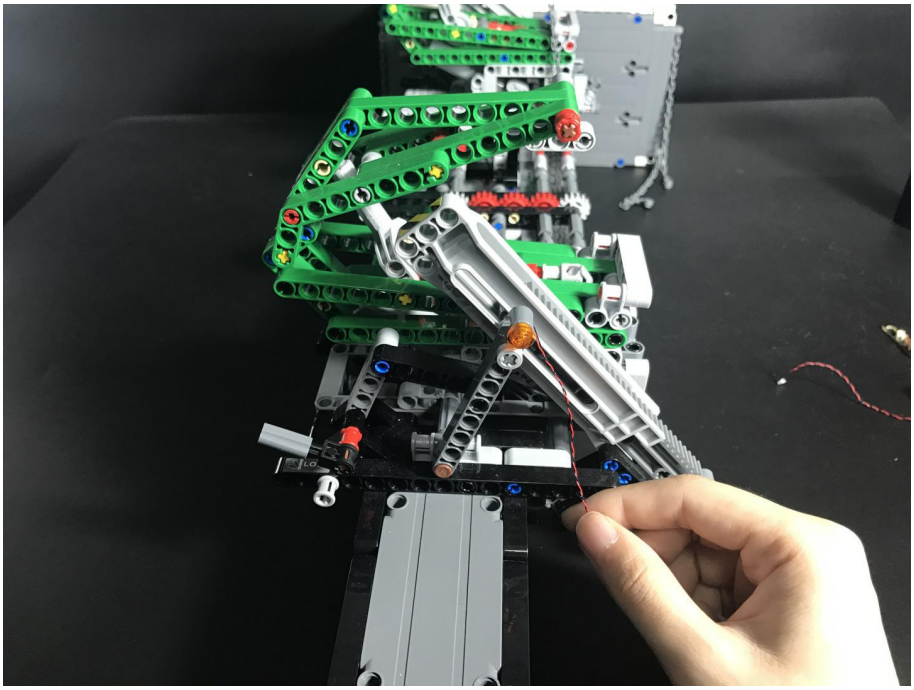


Thread to the middle of the car.

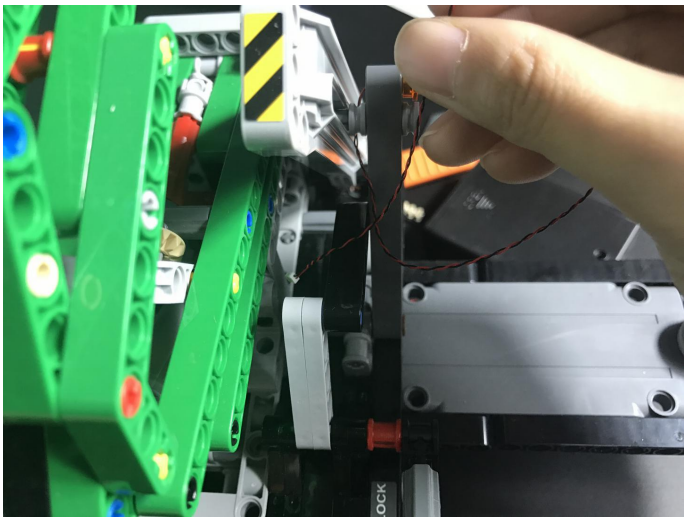


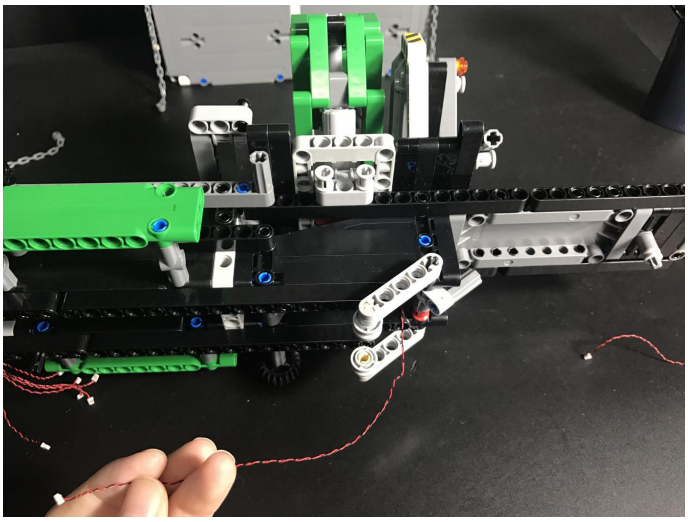


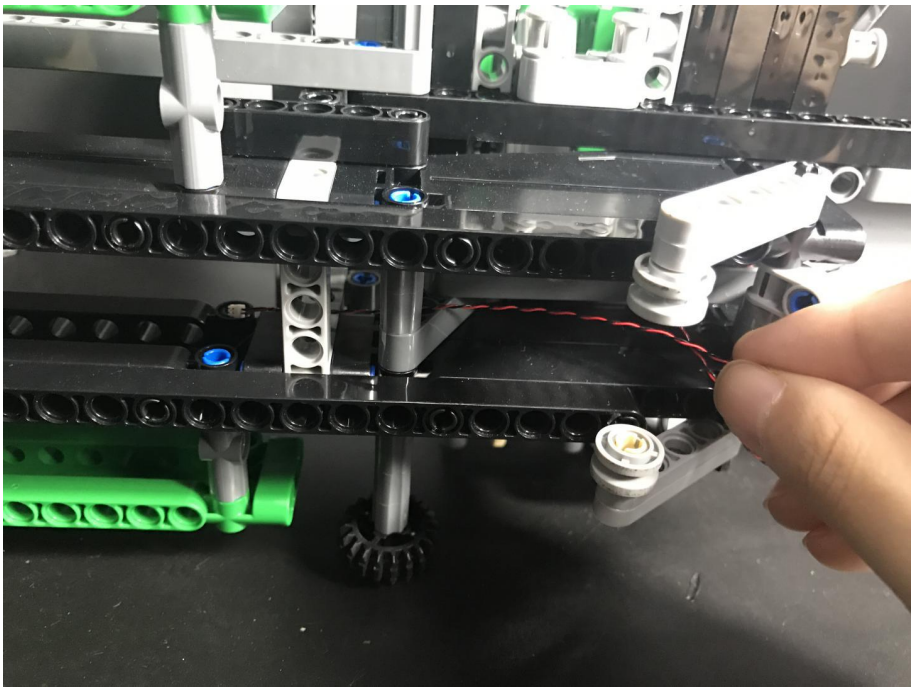
Take a 30cm white self-flashing light, an orange transparent small round plate. Install the light on bracket.



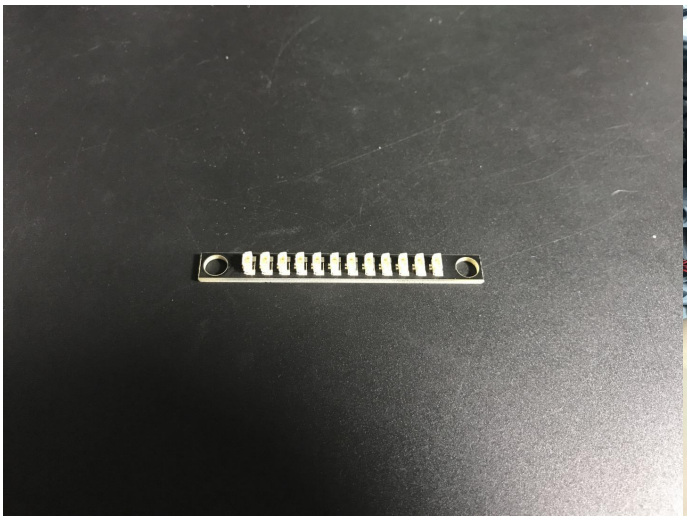
Thread the plug end into the bottom of the car and thread it toward the middle of the car.

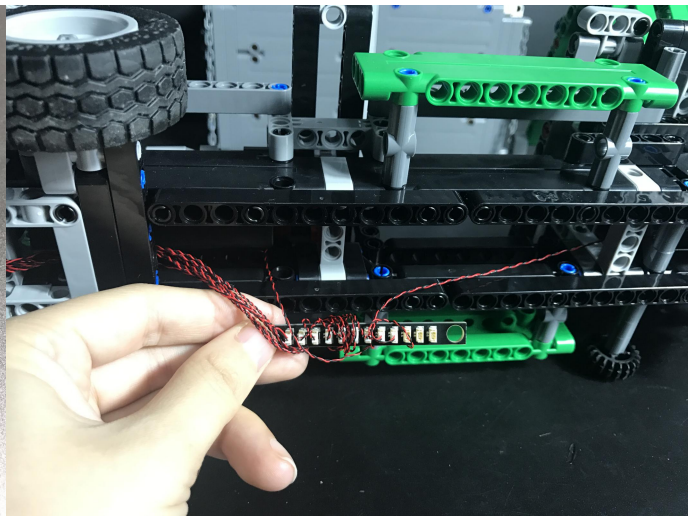




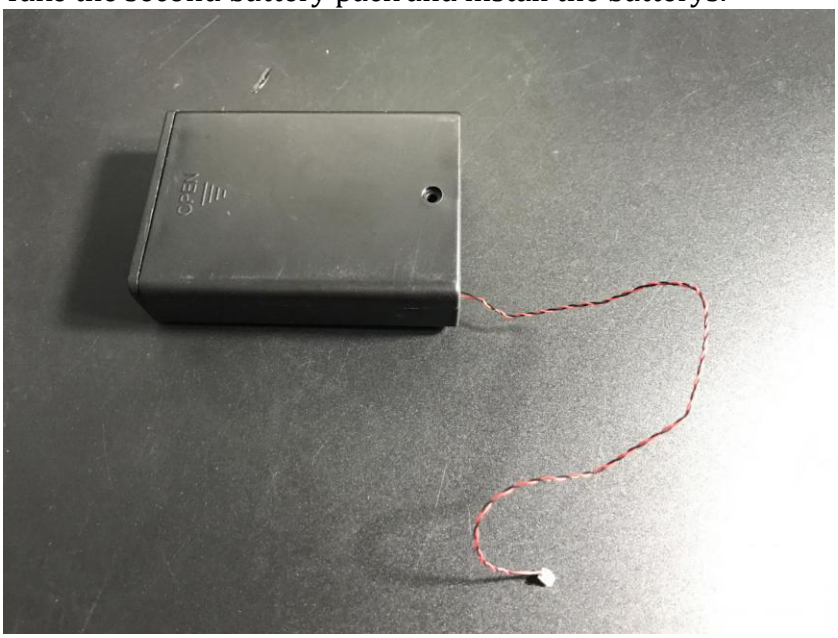


Take a12-port expansion board, connect all plugs, and wrap cables according to the slack of them.

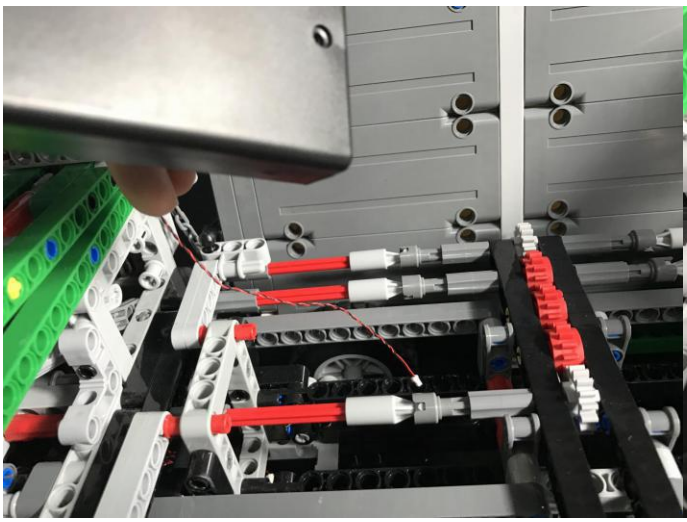


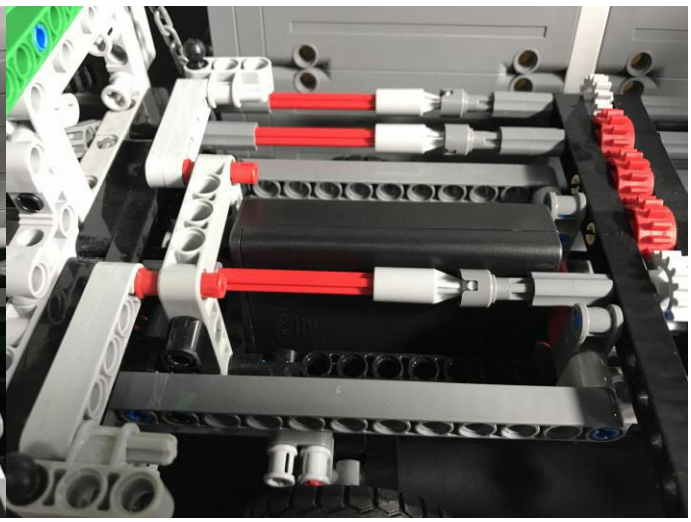


Take the second battery pack and install the batterys.

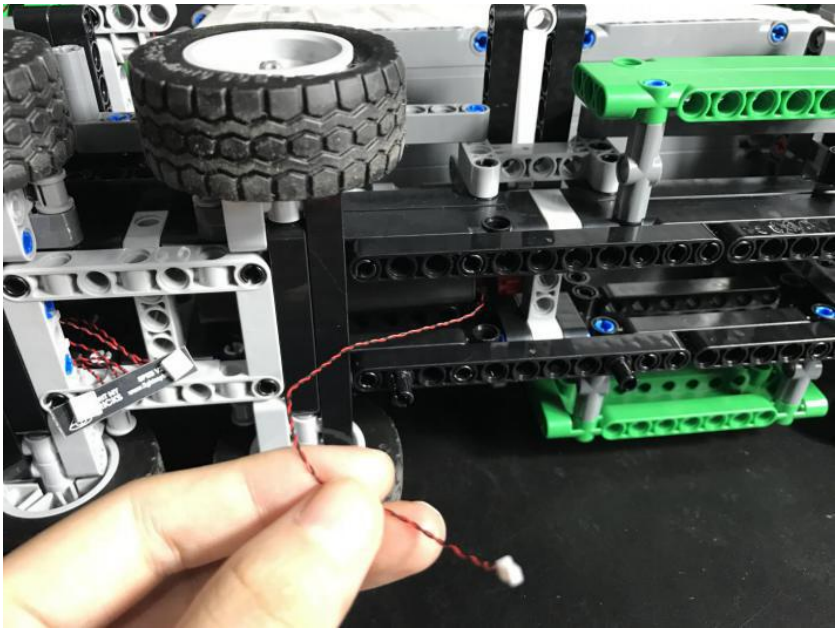


Put the battery pack cable into the bottom of the car, place the battery pack in the space as shown in the picture. Pay attention to the lighting side up.

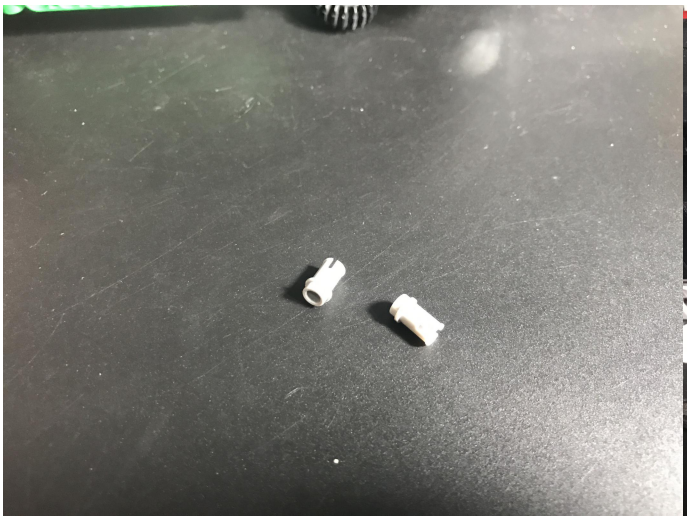


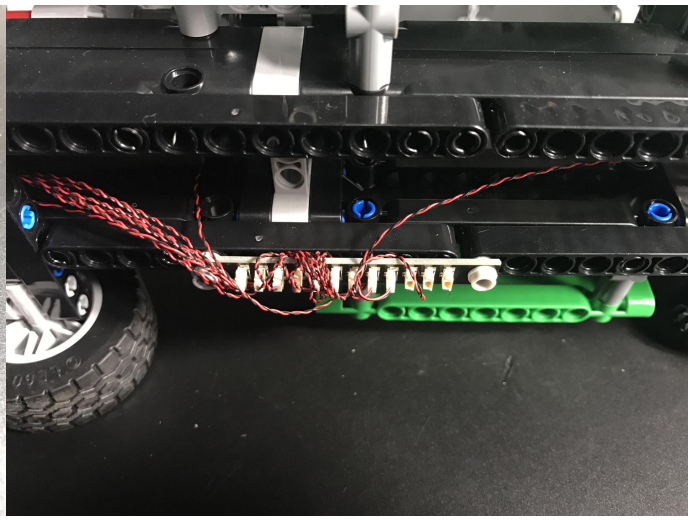


Pass the cable of battery pack toward the expansion board and connect it to the board.

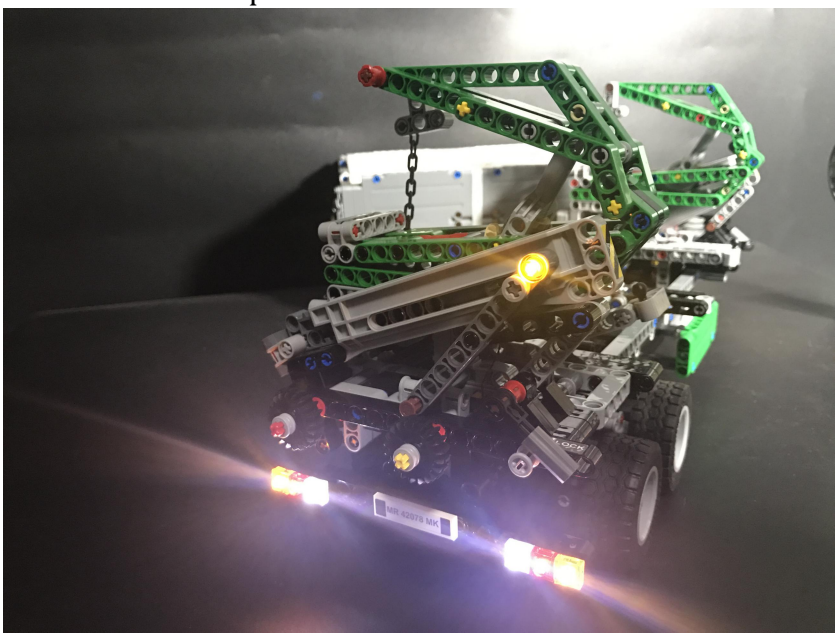


Take 2 gray pins and fix the 12-port expansion board on the hole of the underside technologic piece.





Now we have completed the installation of this kit. Turn on the light, I wish you a happy time!



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