

1989 Batmobile 76139 Advanced Version Lighting Kit

Package contents:

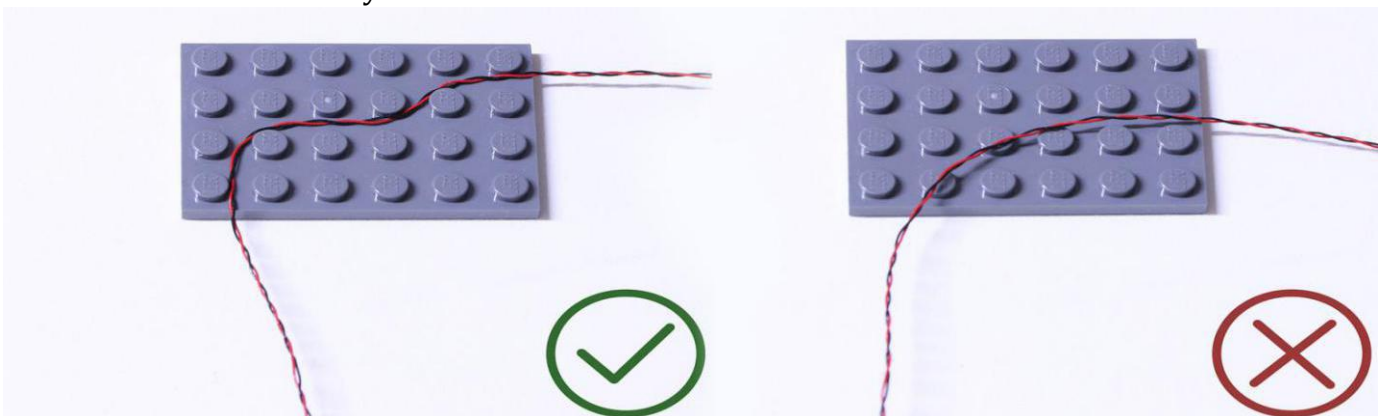
- 6 x 30cm Warm White Dot Lights
- 6 x 30cm Blue Dot Lights
- 4 x 30cm Red Dot Lights
- 4 x 15cm Red Dot Lights
- 1 x Warm White Strip Light
- 4 x Blue Strip Lights
- 3 x 5cm Connecting Cables
- 2 x 15cm Connecting Cables
- 5 x 30cm Connecting Cables
- 2 x 6-port Expansion Boards
- 1 x 8-port Expansion Board
- 1 x 12-port Expansion Board
- 1 x AA Battery Pack
- 1 x Flicker Effects Board
- 1 x Remote Control Switch Board

Extra LEGO pieces

Note:

Place wires on the surface or under the LEGO building blocks.

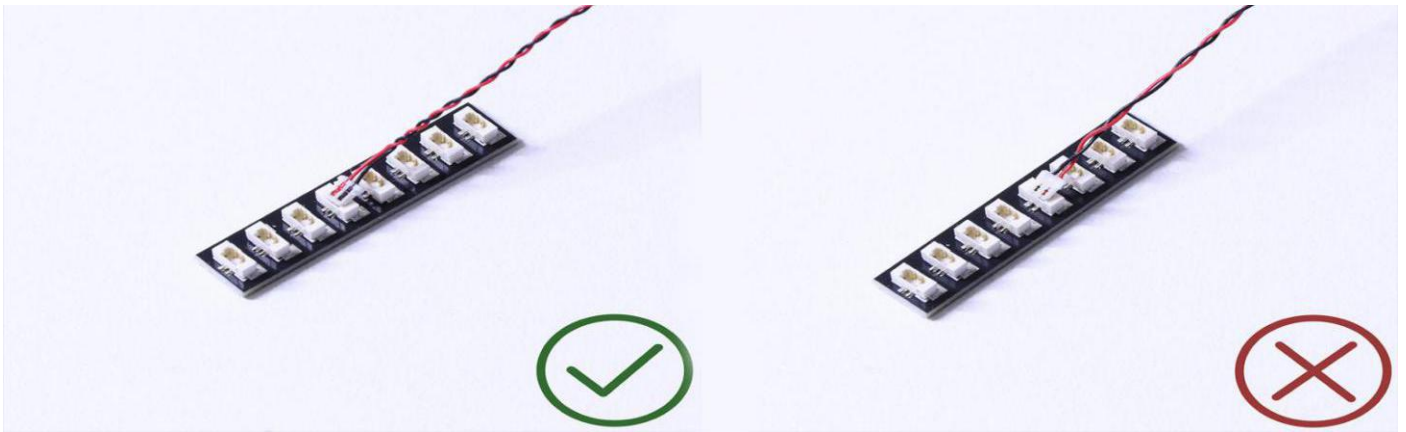
The wire can be placed between the building blocks or under the block, but they should be placed between the studs correctly.



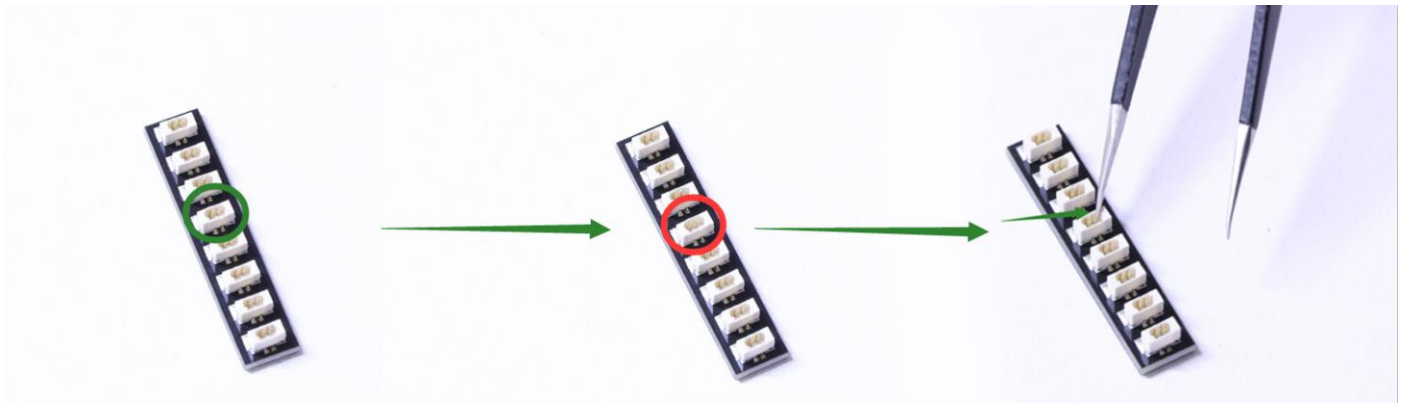
Insert the connectors to the ports.

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

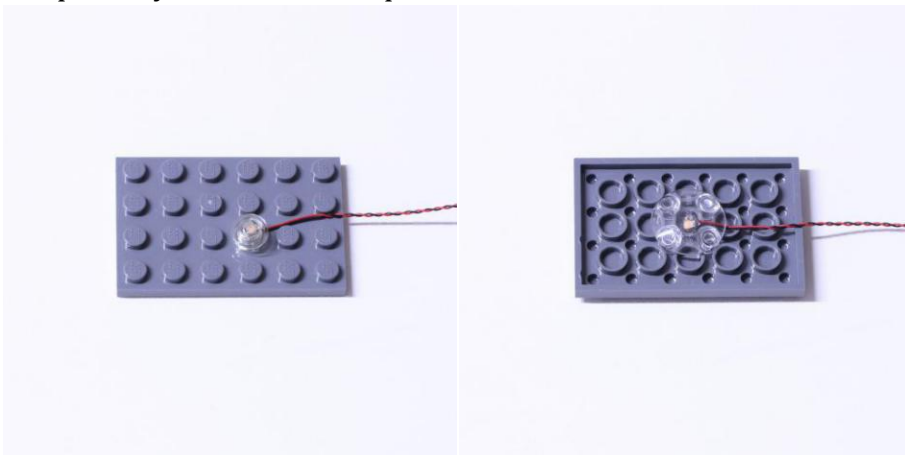
board.



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

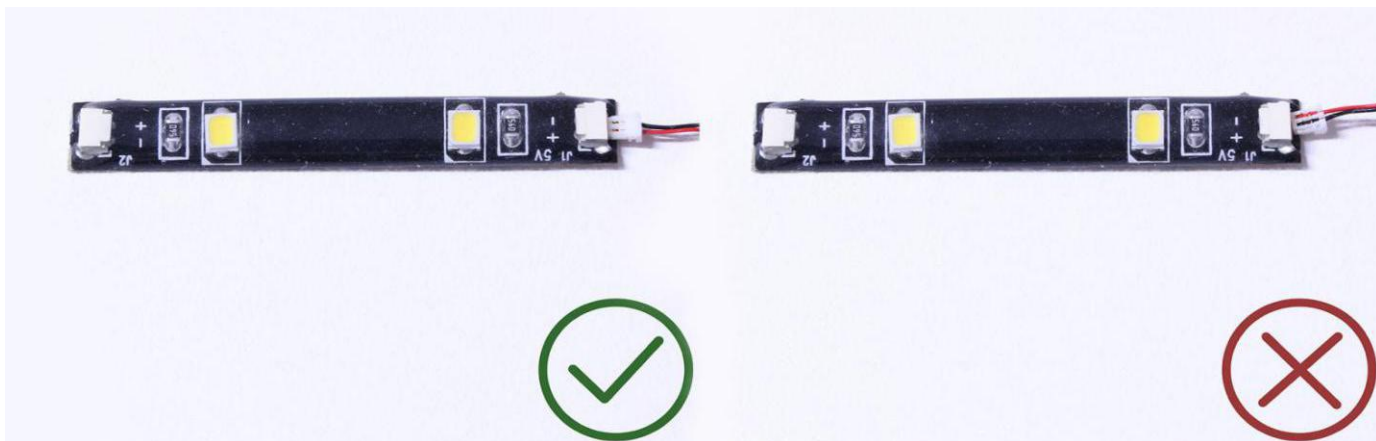


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

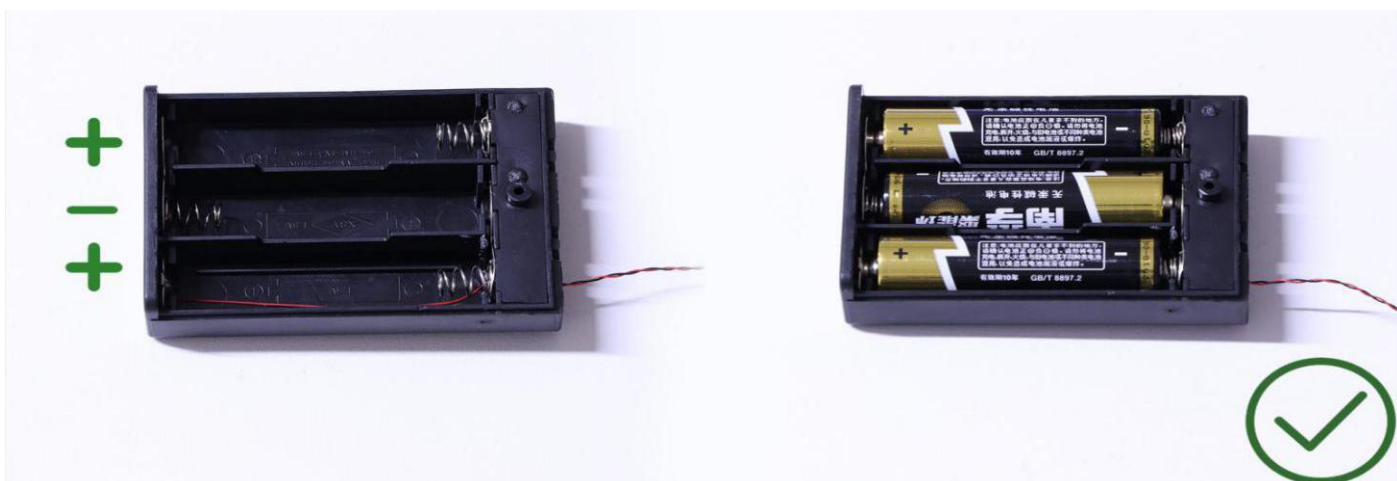


Connecting cable connectors to Strip Lights

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.



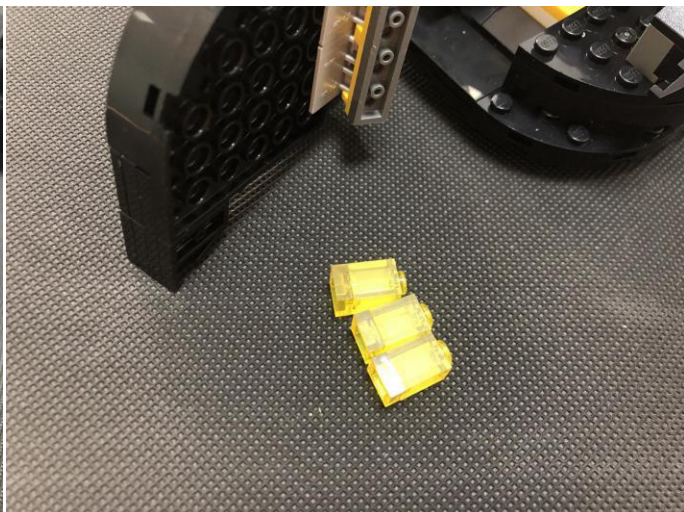
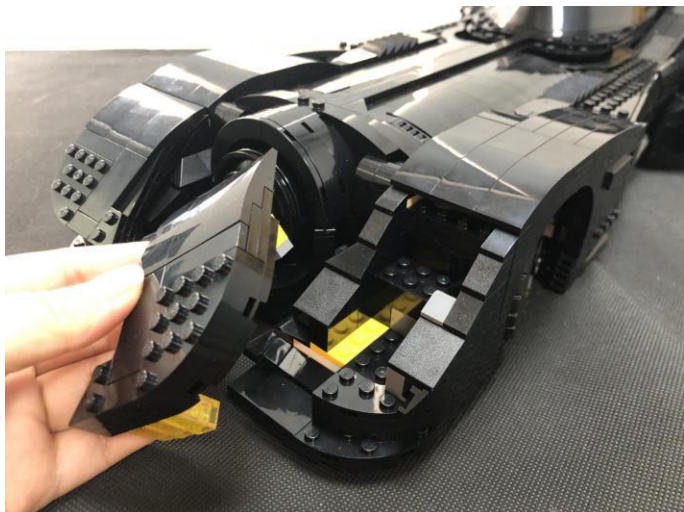
Instructions for installing this kit:

OK, Let' s Begin!

Start from installing the headlights.



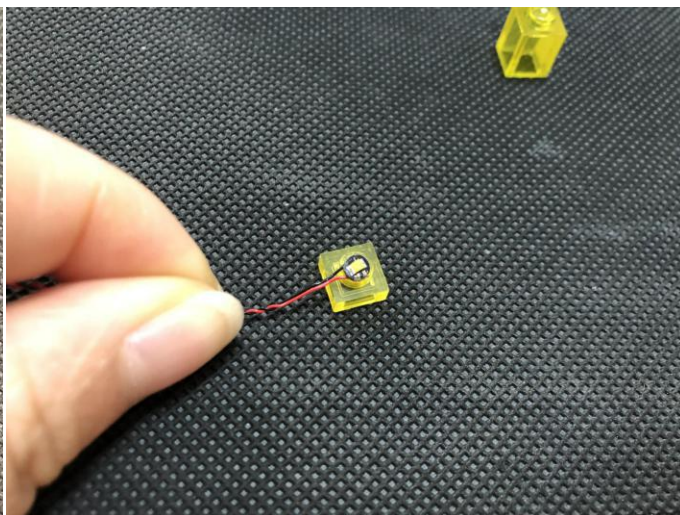
Remove the following pieces, remove the 3 trans yellow pieces as per below.



Disassemble the following pieces.



Take a warm white 30cm dot light, with lighting part facing up, place it over the 1x1 trans yellow piece.



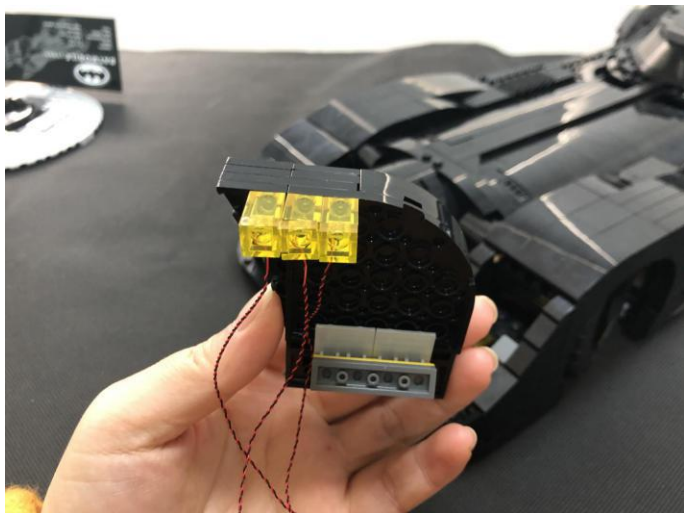
Reconnect the trans yellow brick to secure the light.



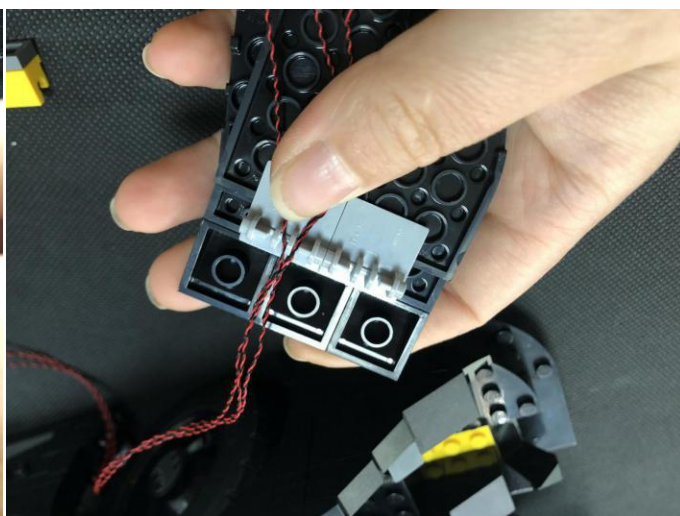
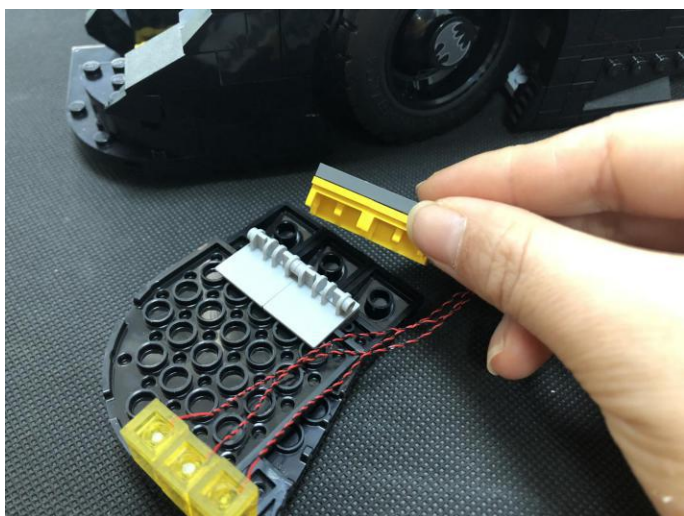
Take 2 warm white 30cm dot lights, repeat the previous steps to install the other 2 lights.



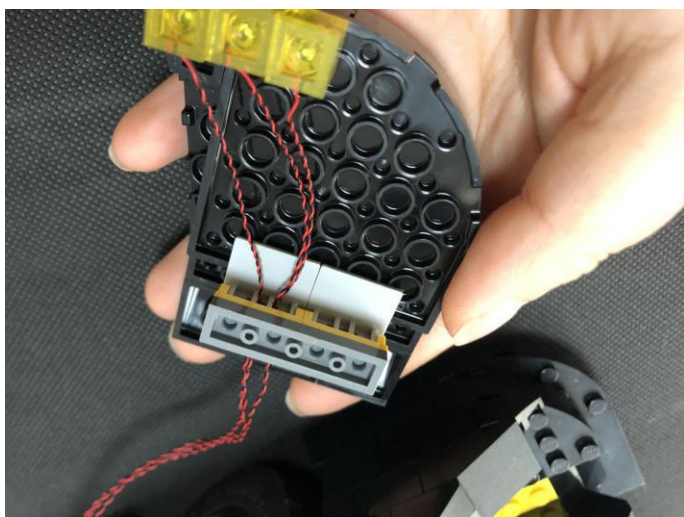
Reconnect the lights.



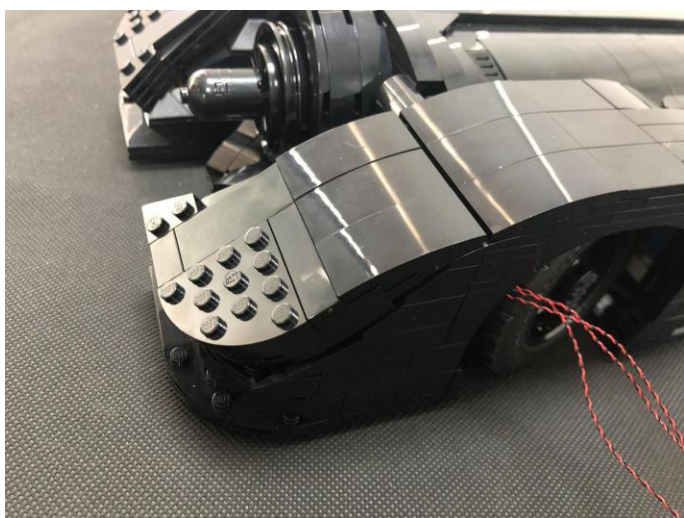
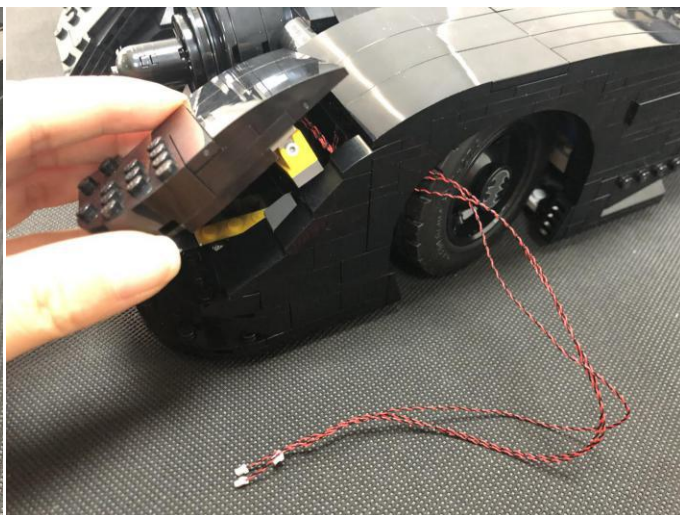
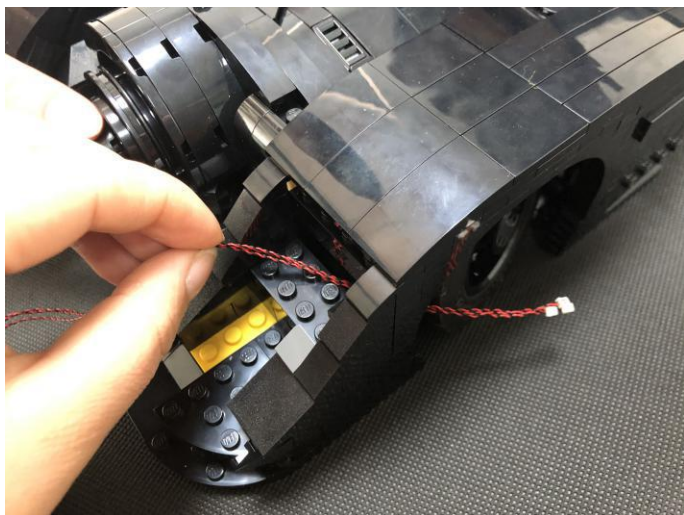
Remove the following piece, place the cable between the gray piece.



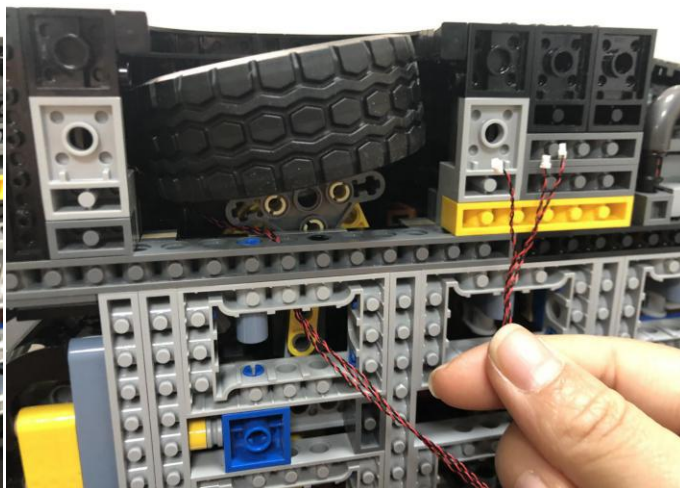
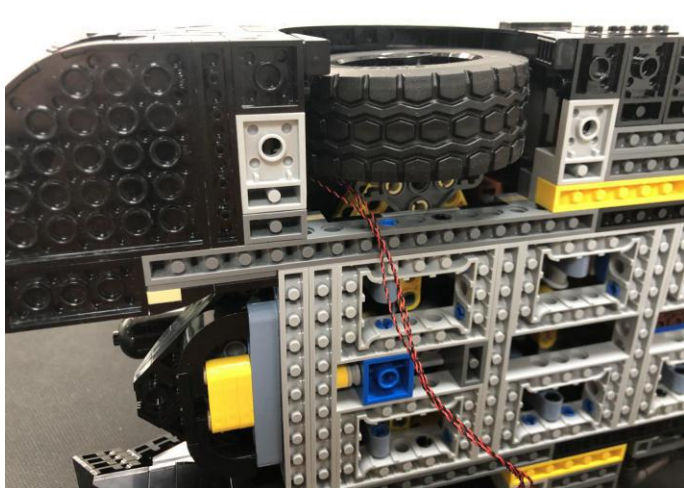
Reconnect the pieces we removed before.



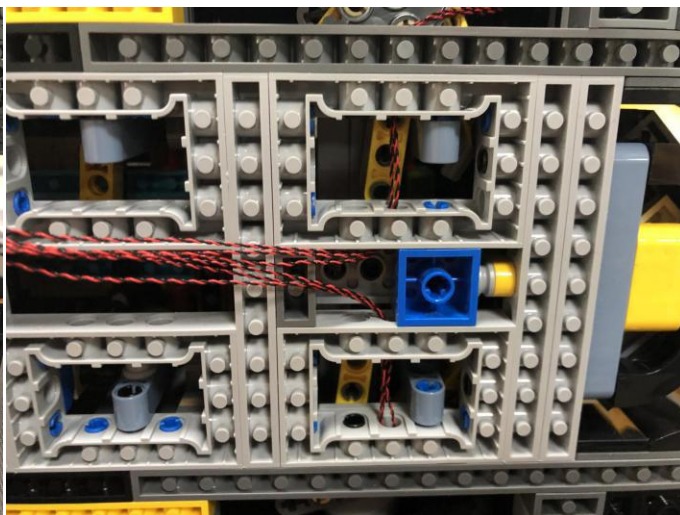
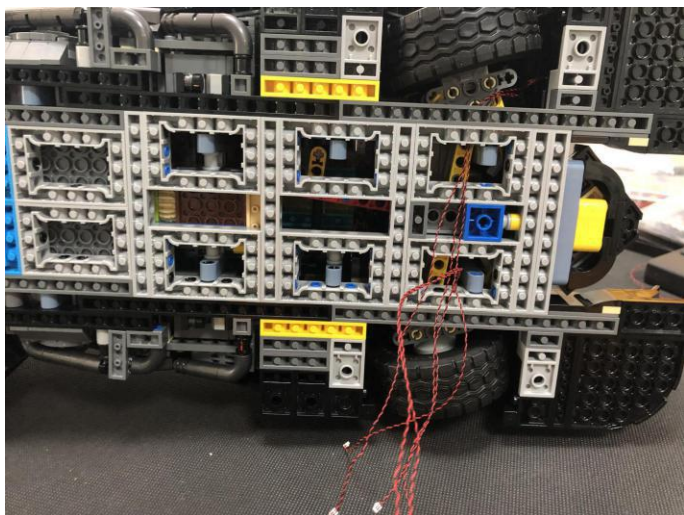
Thread the cables through the following spaces, reconnect the lid.



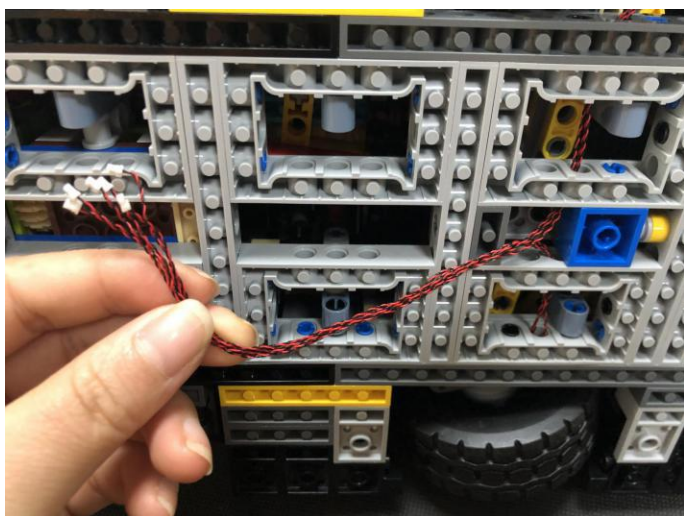
Turn the car to its side, thread the lights through the following holes at the bottom (Thread them randomly).



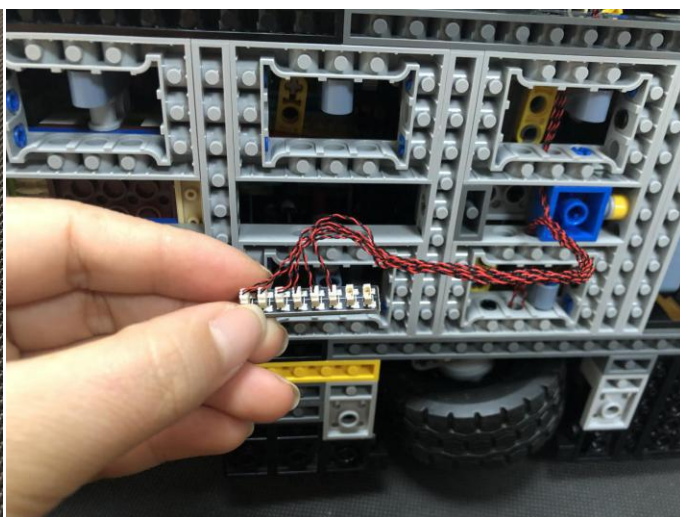
Take 3 warm white 30cm dot lights, repeat the steps above to install lights for the headlights at the other side.



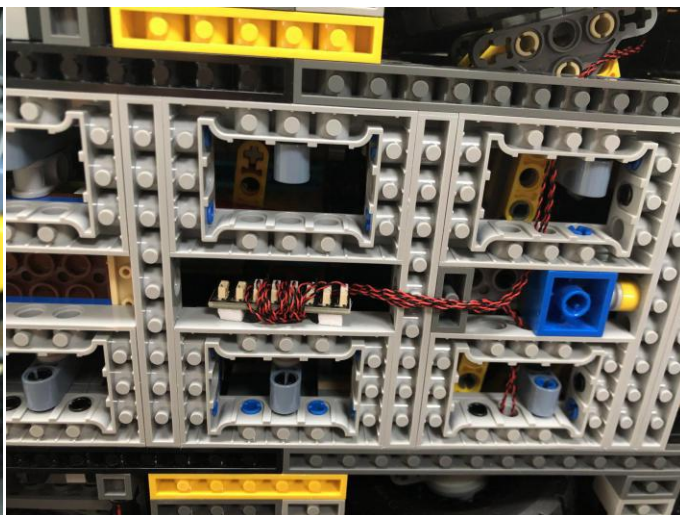
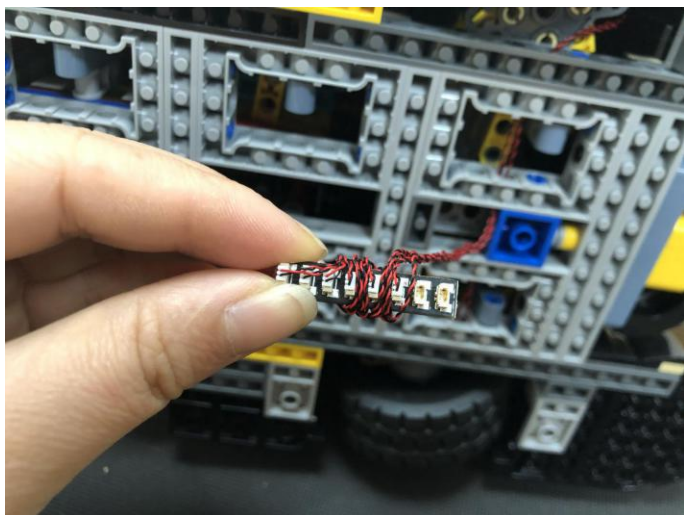
Group the cables from the headlights all together.



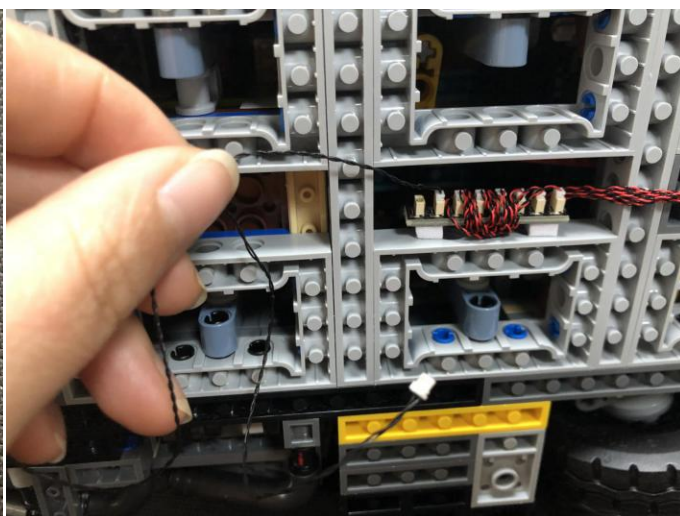
Take an 8-port expansion board, connect the 6 cables of the lights to it.



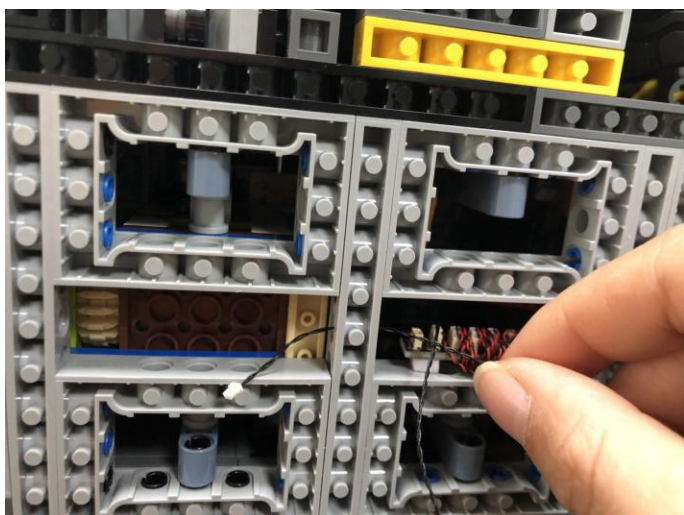
Tuck excess cables, and stick the expansion board to the following place with the adhesive squares.

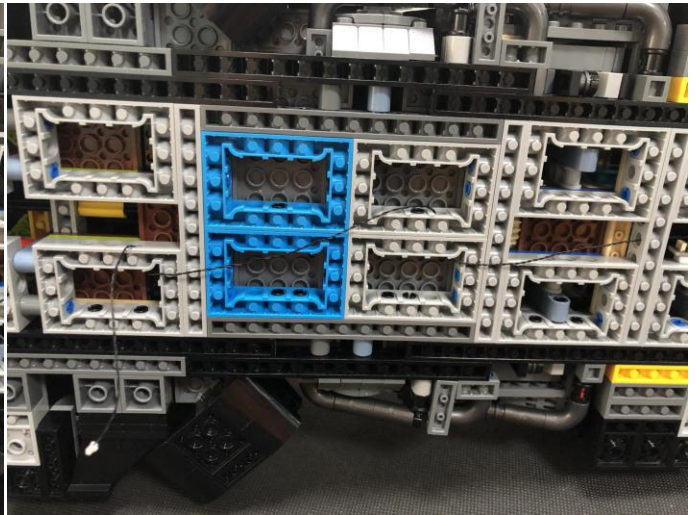
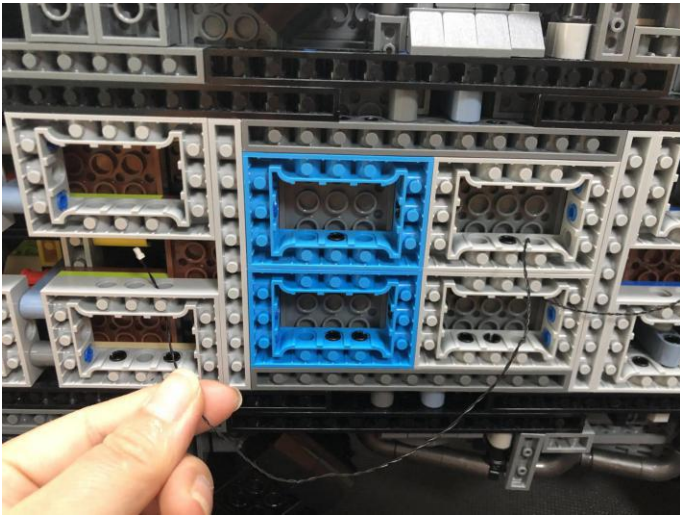


Take a 30cm connecting cable, connect it to the expansion board.



Thread the cable through the following holes(thread it as you wish), pull it to the tail of the car.



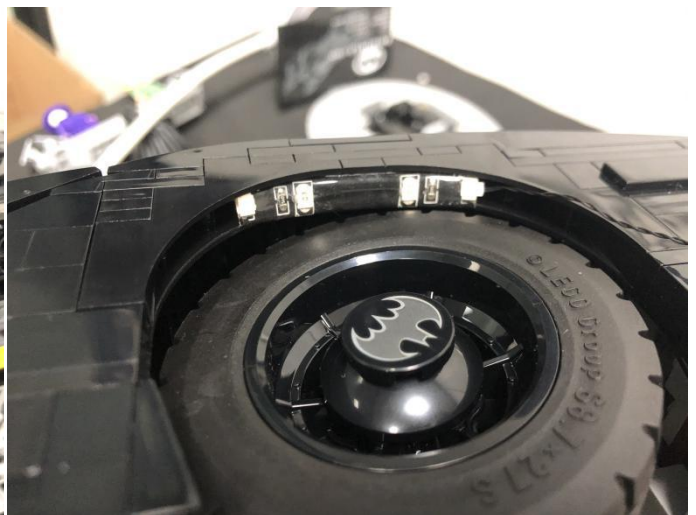


Continue to install the front wheel.

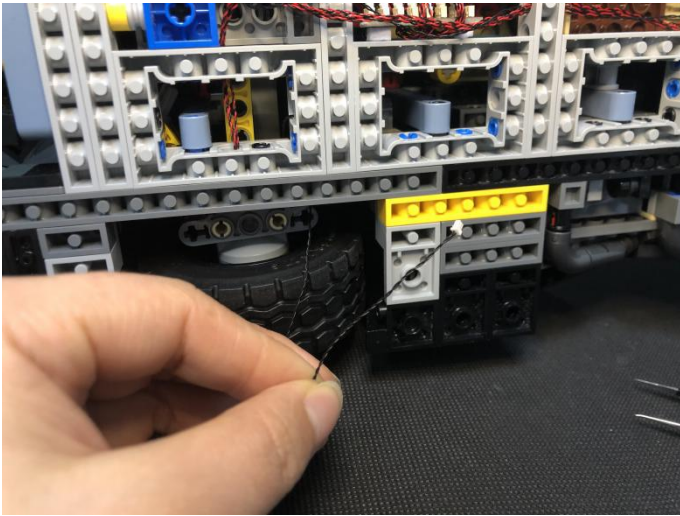
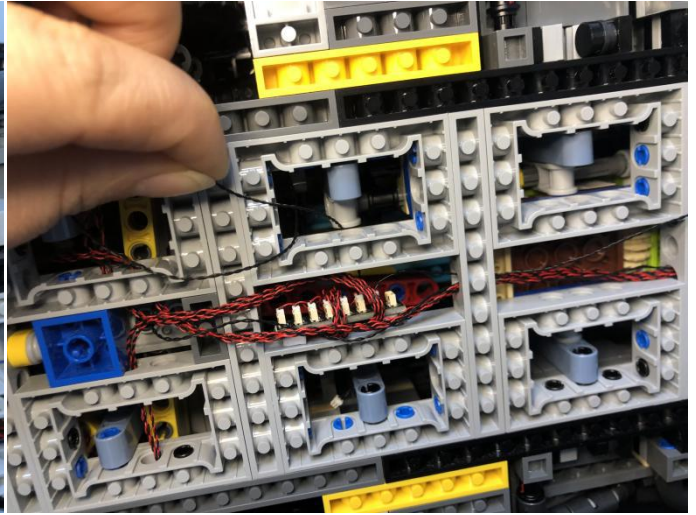
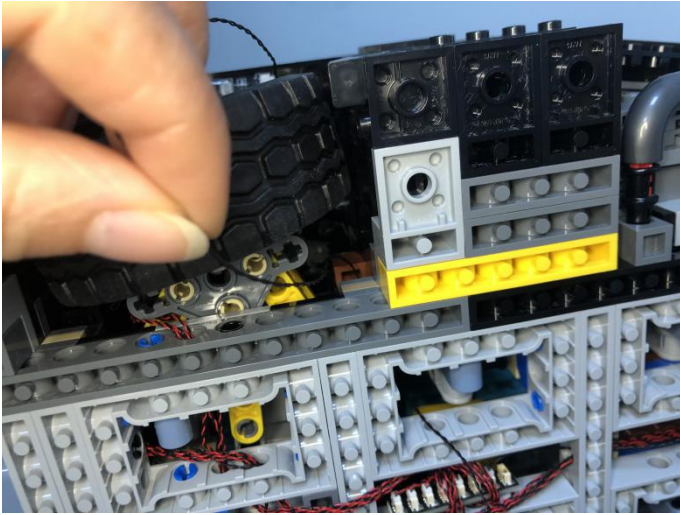
Take a 30cm connecting cable, a blue strip light, connect the connecting cable to the strip light.



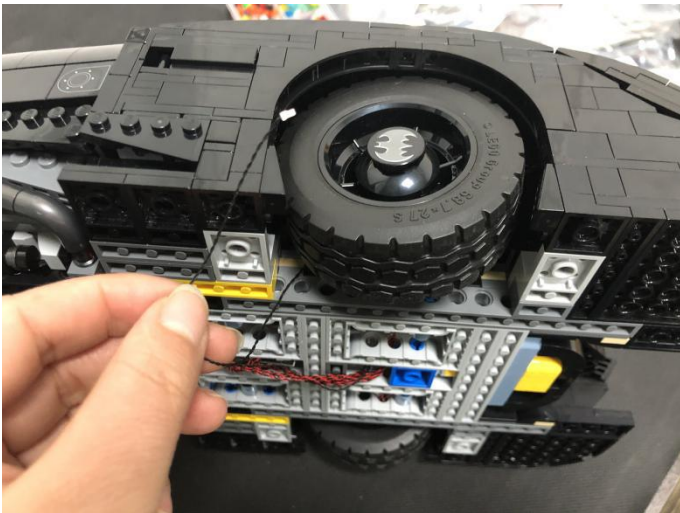
Turn the car over, stick the strip light to the following place.



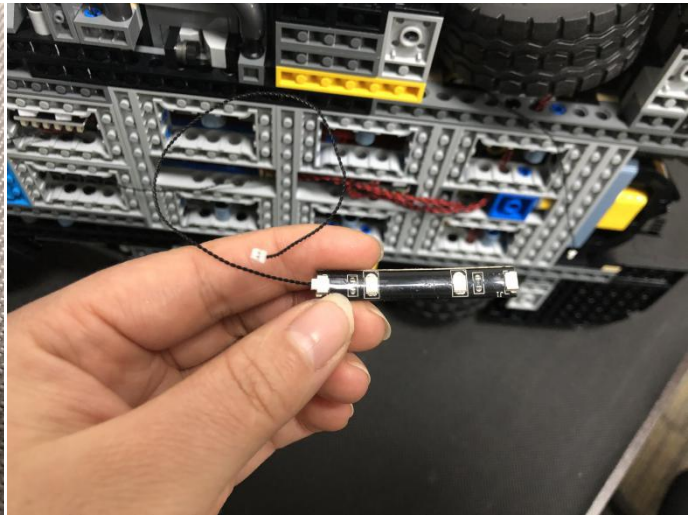
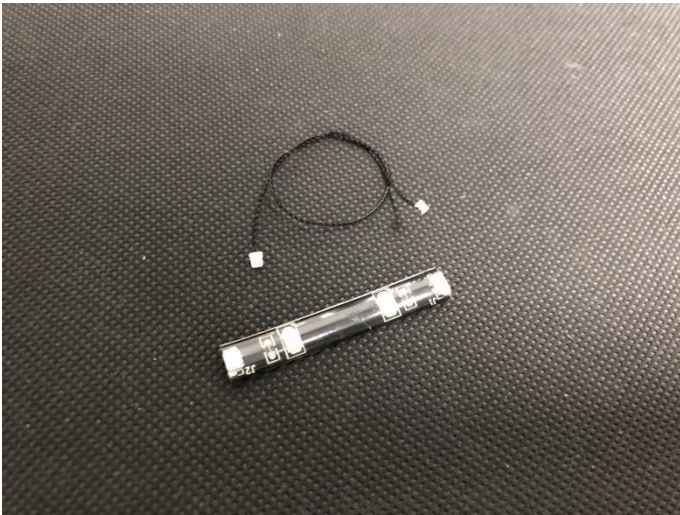
Thread the cable through the space at the inner side of the tire to the bottom.



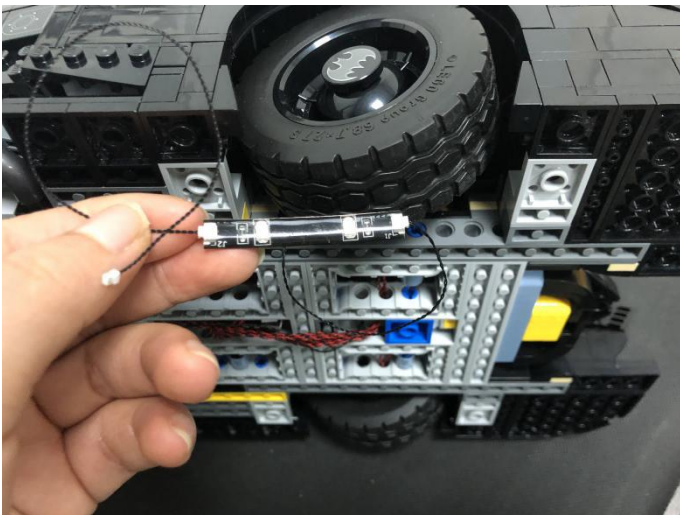
Turn the car over, pull the cable to the tire.



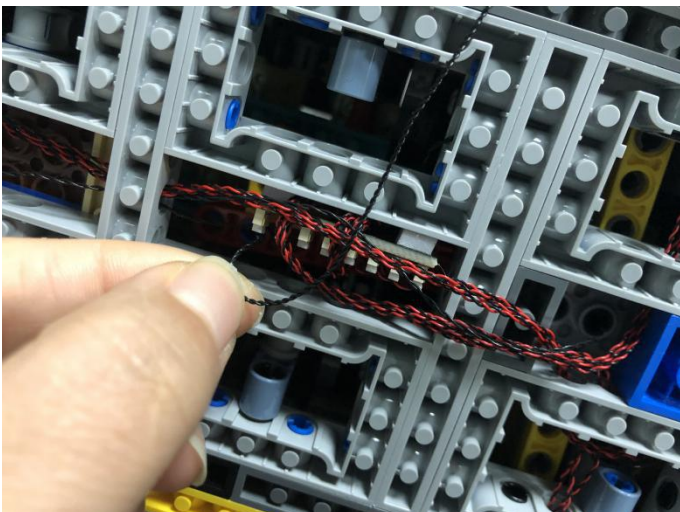
Take a 15cm connecting cable, a blue strip light, connect the connecting cable to the strip light.



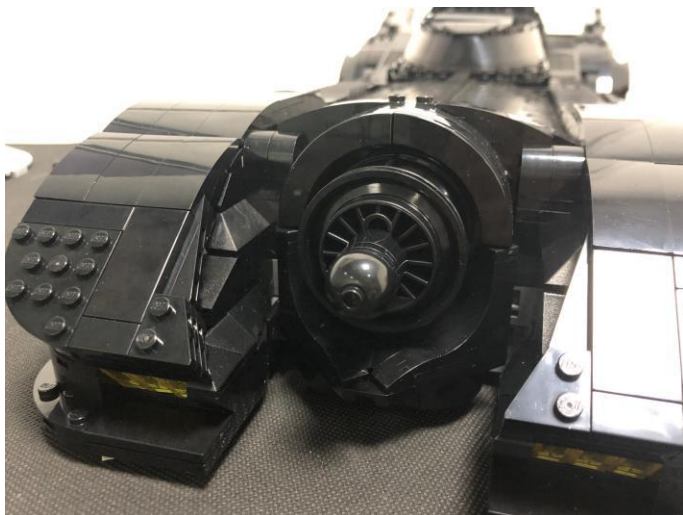
Connect the cable from the other side to the strip light, stick the strip light to the following place (Note: pull the 15cm connecting cable backward).



Connect the other end of the 15cm connecting cable to the 8-port expansion board.



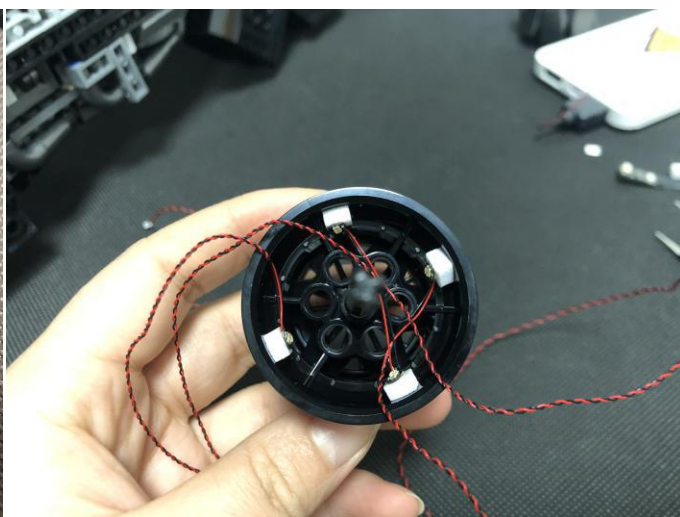
Move onto installing lights in front of the engine, remove the following pieces.



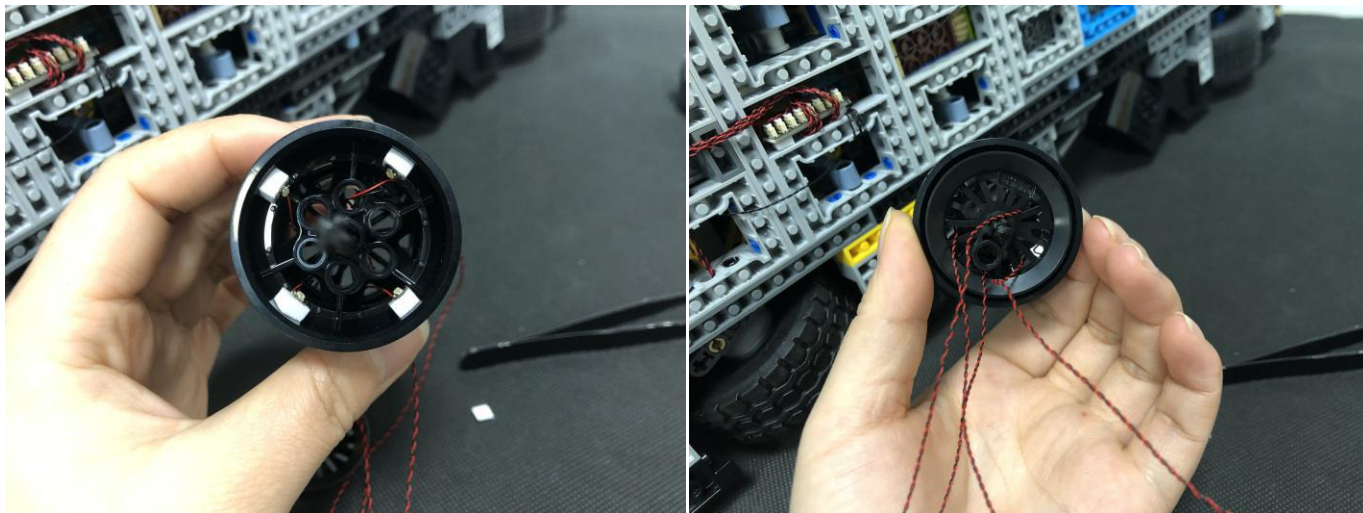
Disassemble them as per below.



Take 4 blue 30cm dot lights, stick them to the following places with adhesive squares.



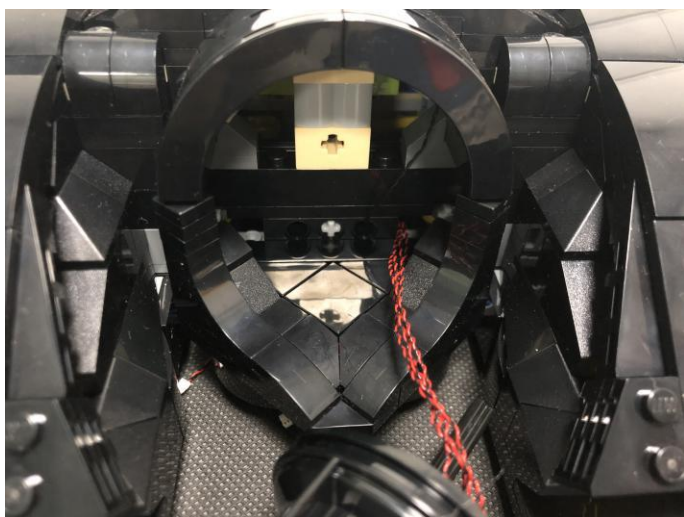
Pull the cables to the back.



Reconnect the pieces we removed before, group the cables together.



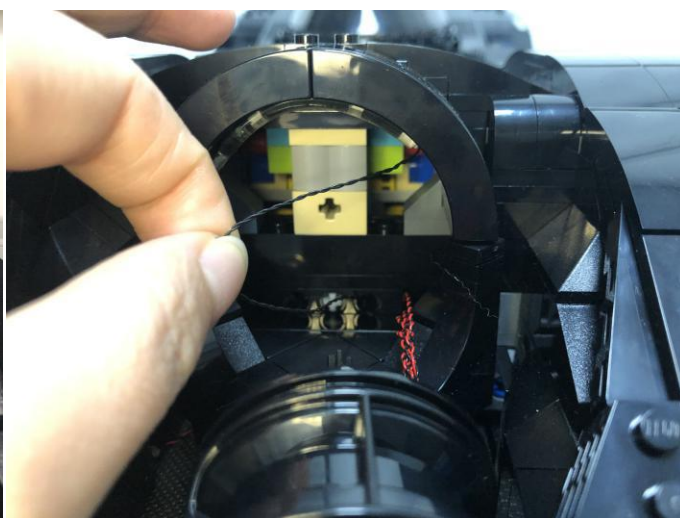
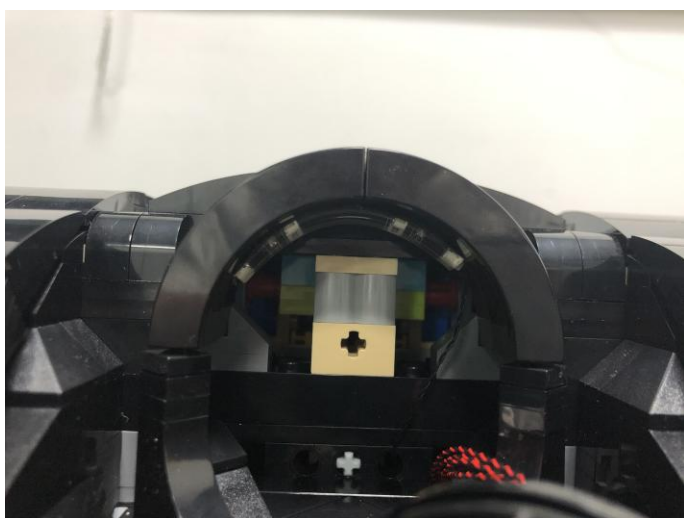
Thread the cables through the following space.



Take a 30cm connecting cable, a blue strip light, connect the cable to the strip lights.



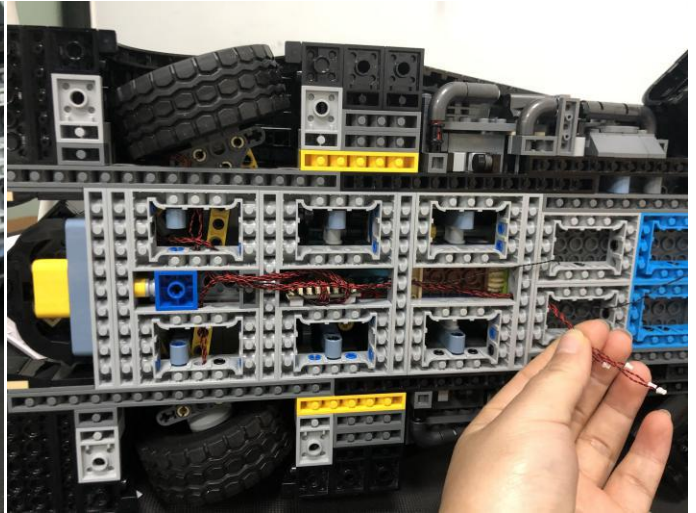
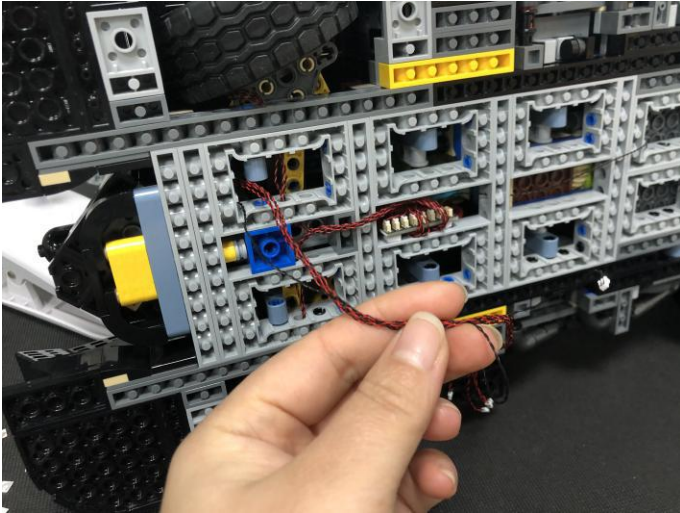
Stick the strip light to the following place, thread the cable through the following hole to the bottom.



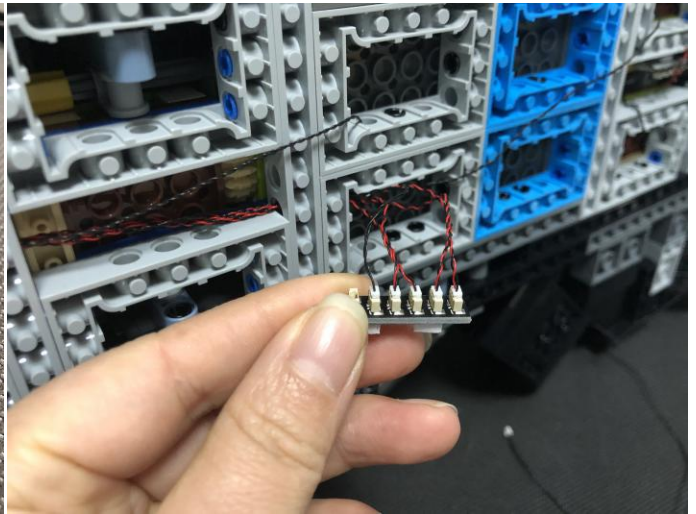
Reconnect the pieces.



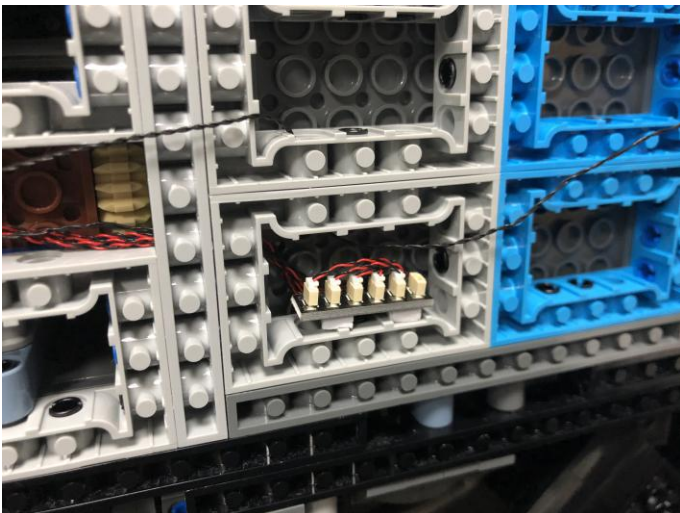
Pull the 4 cables of the lights and the connecting cable from the bottom, and thread them through the following holes(thread the holes randomly).



Take a 6-port expansion board, connect the cables to it.



Stick it to the following place with the adhesive squares.



Continue to install lights for the cockpit, open the door as per below.



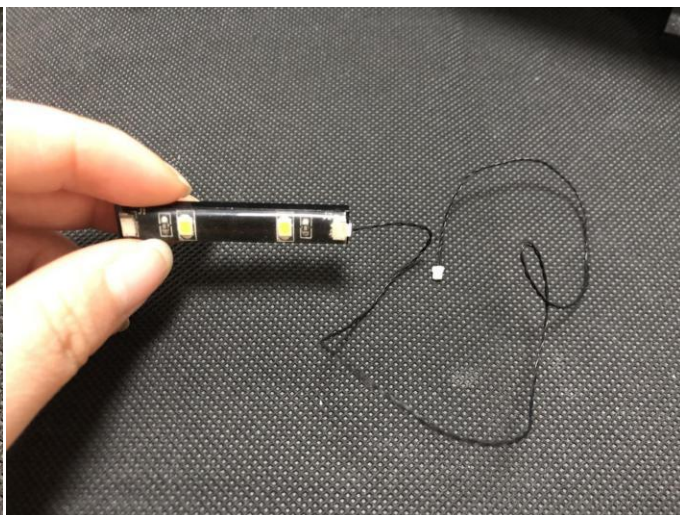
Remove the roof.



Take a warm white strip light, a 1x6 plate, stick the strip light to the plate as per below.



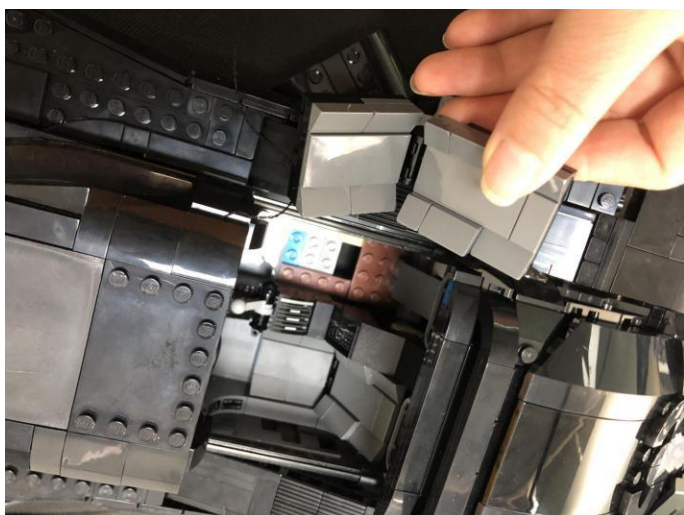
Take a 30cm connecting cable, connect it to the strip light.

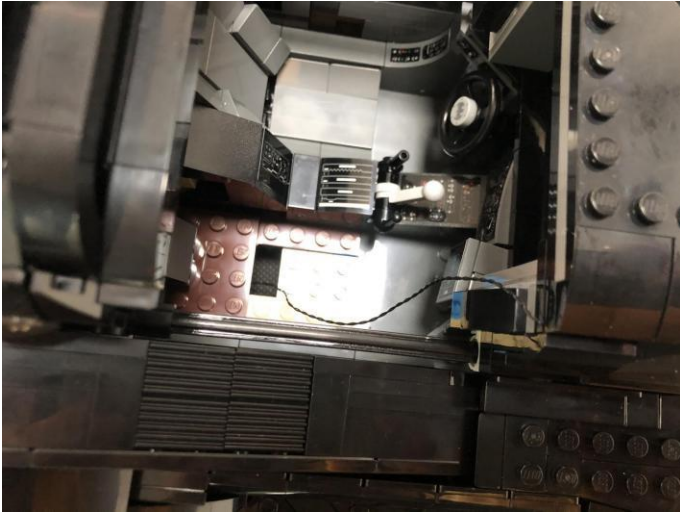


Stick the strip light to the roof, reconnect the roof, pull the cable aside, secure it with the roof as per below.



Remove the passenger seat, thread the cable through the space underneath.

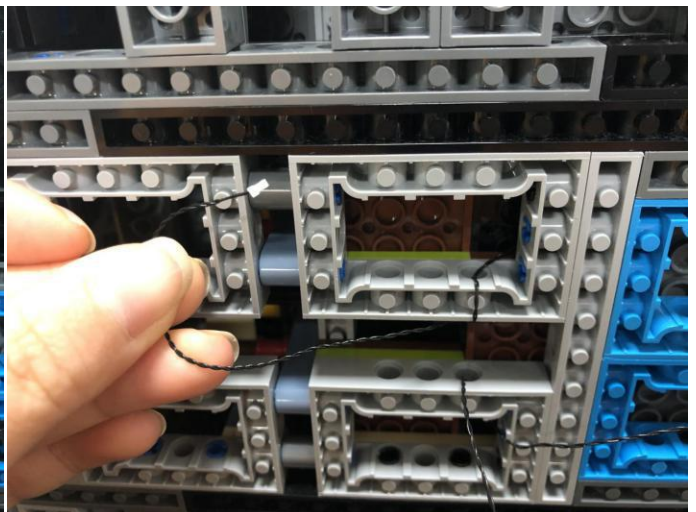




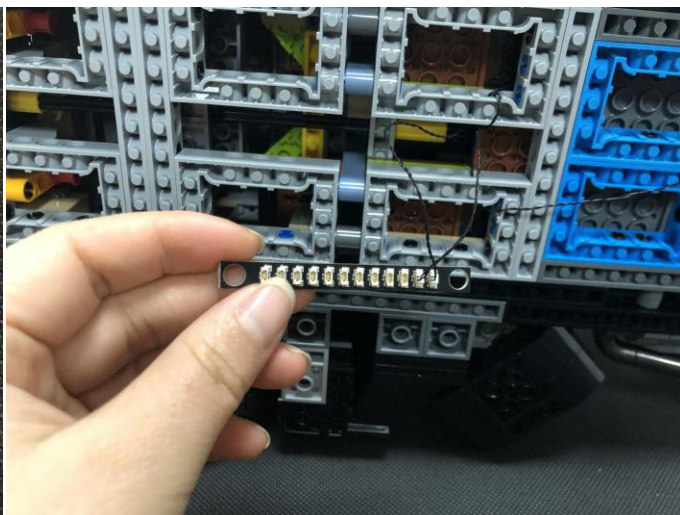
Reconnect the passenger seat (Note: leave enough cable to allow the door function when reconnecting the passenger seat).



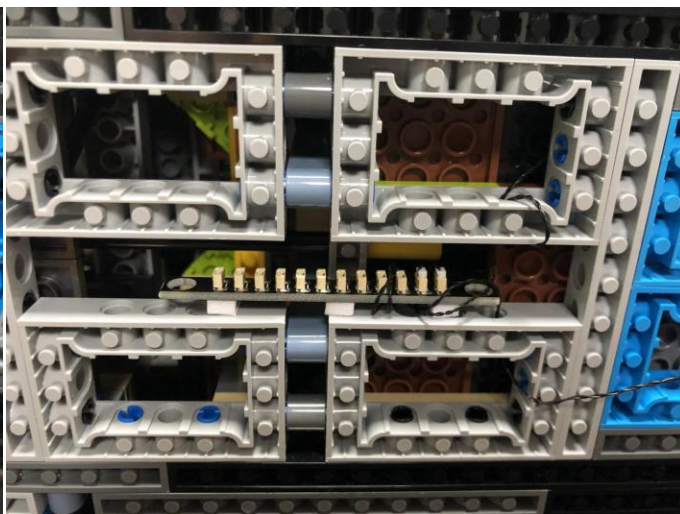
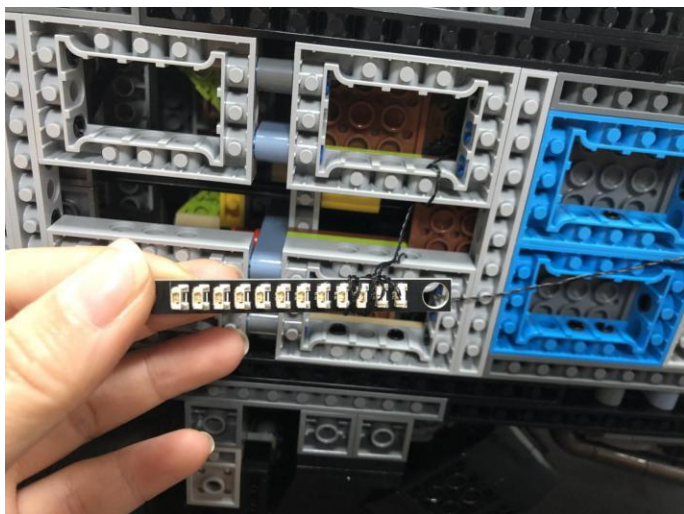
Thread the cable through and pull them out from the bottom.



Take a 12-port expansion board, connect the cables of the strip lights and the connecting cable from the expansion board with headlights cables to it.



Tuck excess cables, connect expansion board to the following place with adhesive squares.



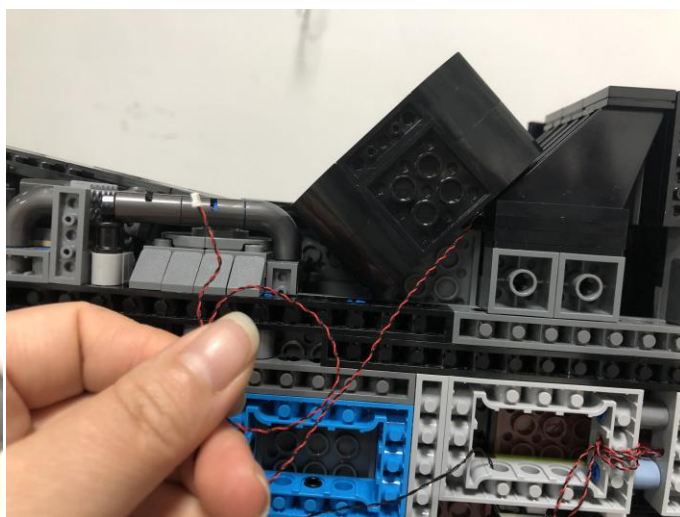
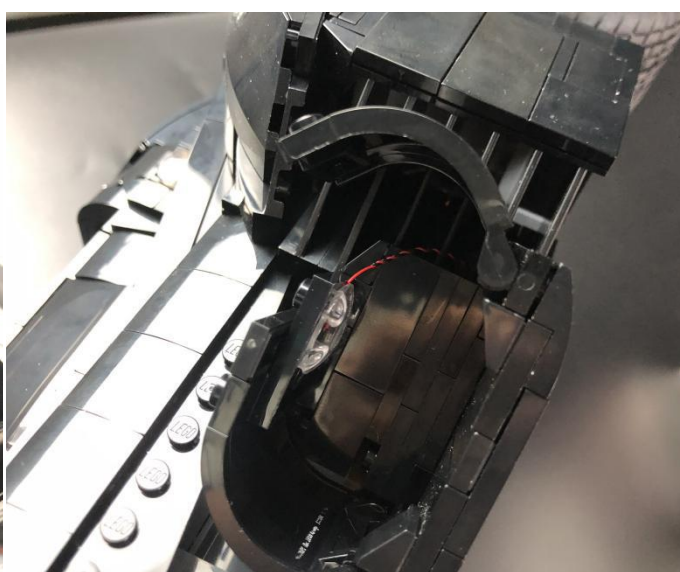
Now, we'll install lights for the 2 sides of the cockpit, open one side as per below.



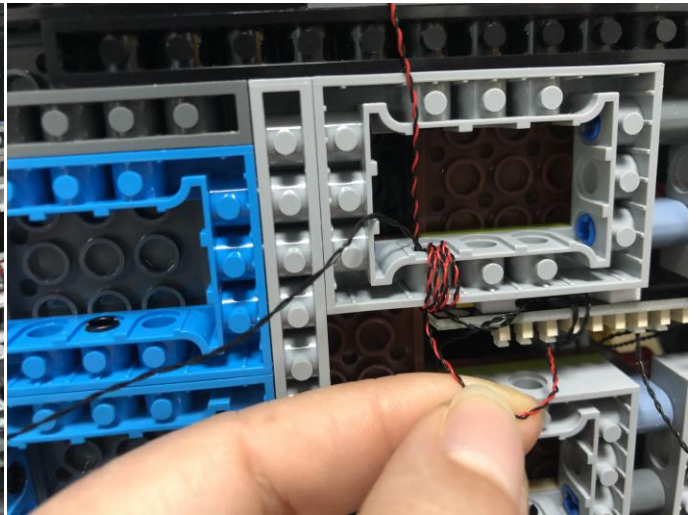
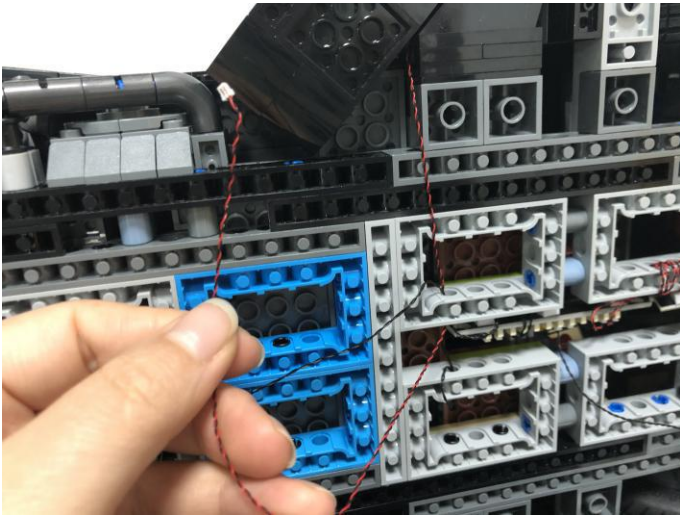
Take a 30cm blue dot light, a 2x2 trans round plate.



Secure the 2x2 trans round plate to the following place, pull the cable through the space to the bottom of the car.

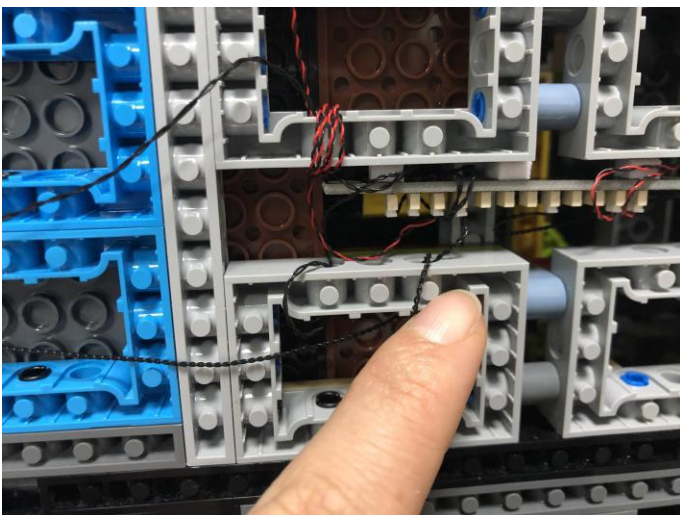
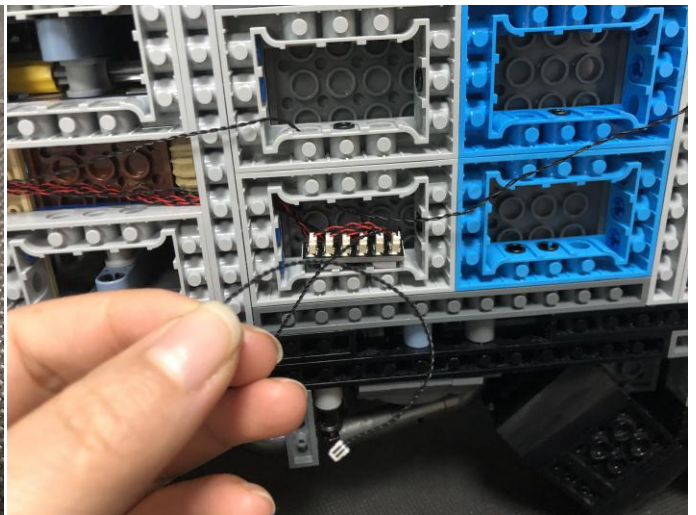


Thread the cable through the following space, wind excess cable around the holes, connect it to the 12-port expansion board.



Take a 30cm blue dot light, a 2x2 trans round plate, repeat the steps above to install light to the other side.

Take a 15cm connecting cable, connect it to the expansion board with lights from engine part, and connect the other end to the 12-port expansion board.



Continue to install lights for the tail, remove the lamp from one side.



Disassemble it as per below.



Take a 30cm red dot light, thread the light through the black round plate with hoe, pull the cable out till the light is placed against the hole.

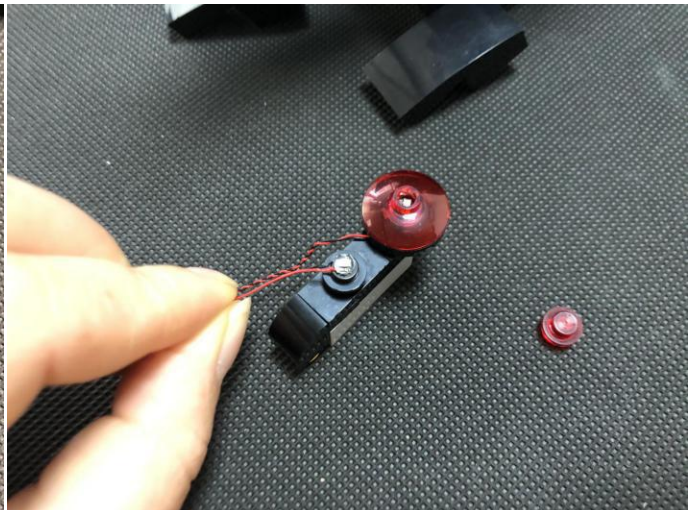




Secure the light with the trans red plate.



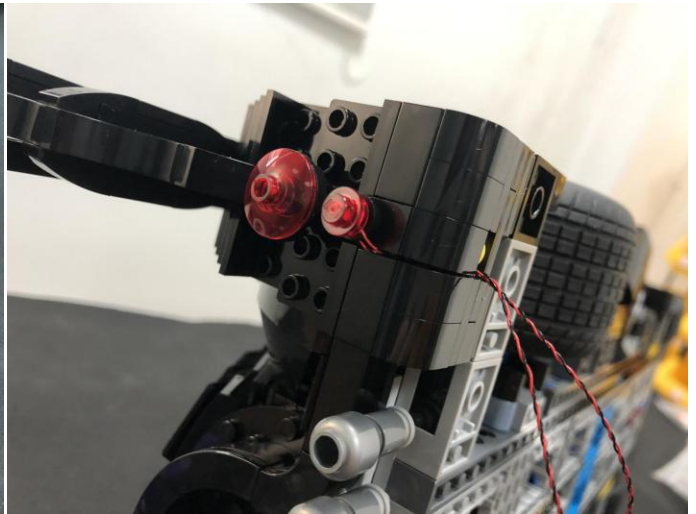
Take a 30cm red dot light, a 1x1 trans red round plate, with lighting part facing up, connect it to the following place.



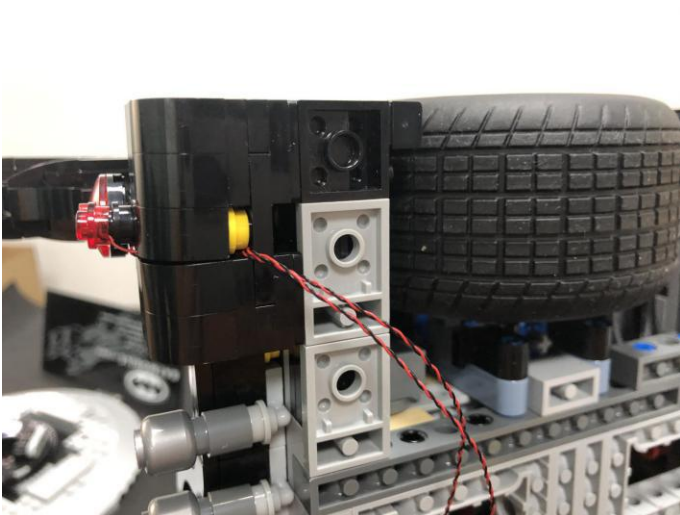
Secure the light with the trans red 1x1 round plate.



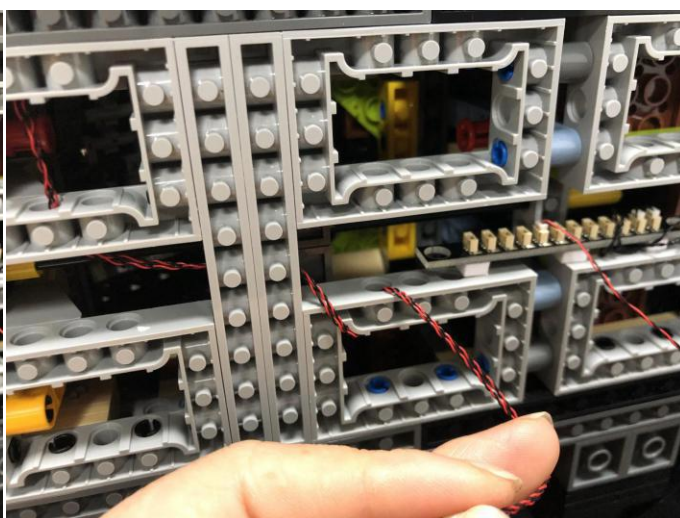
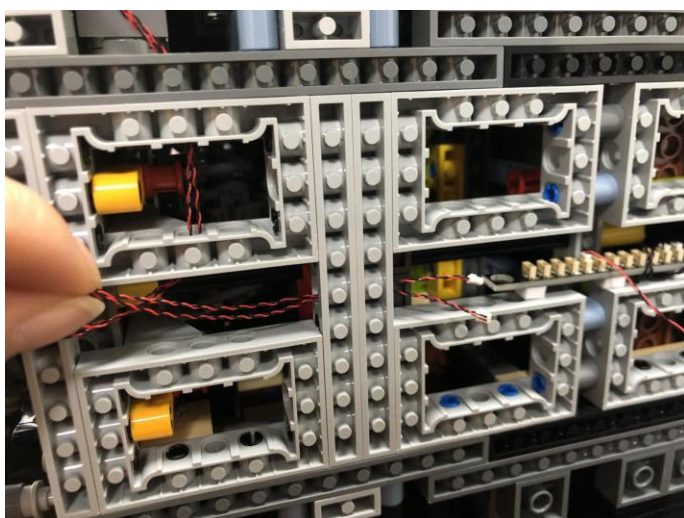
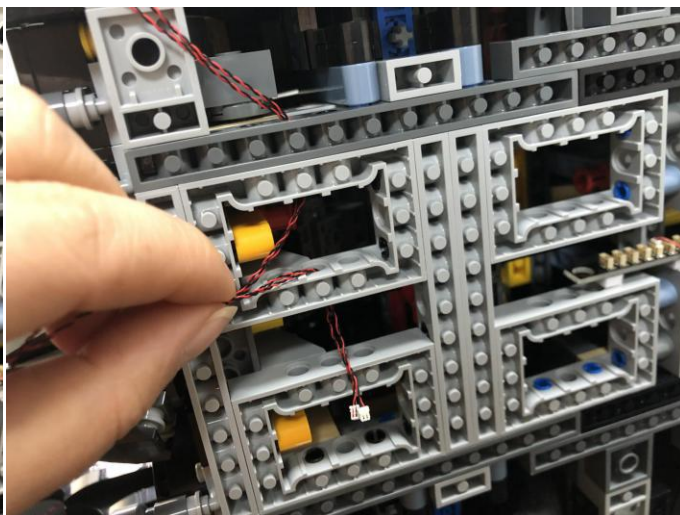
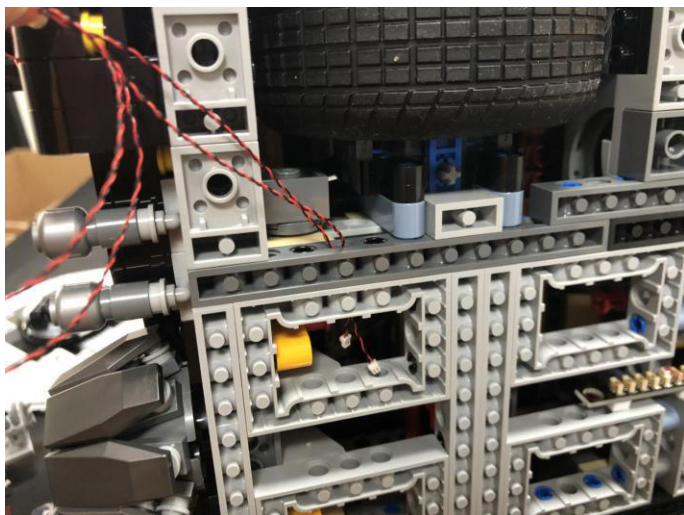
Wind the cable as per below, reconnect the other pieces.



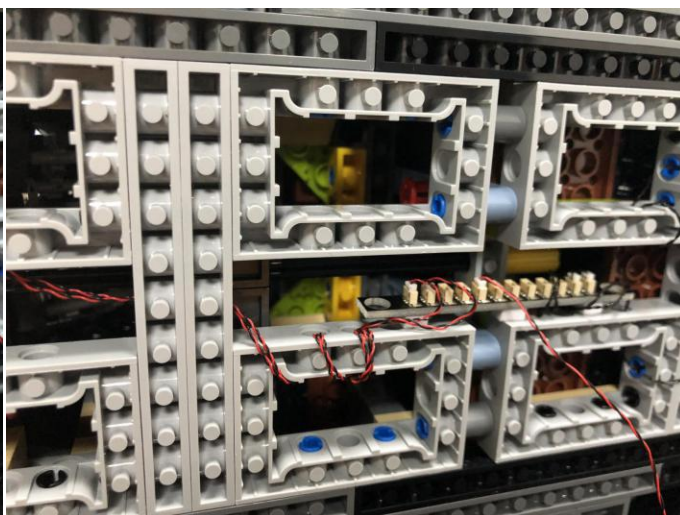
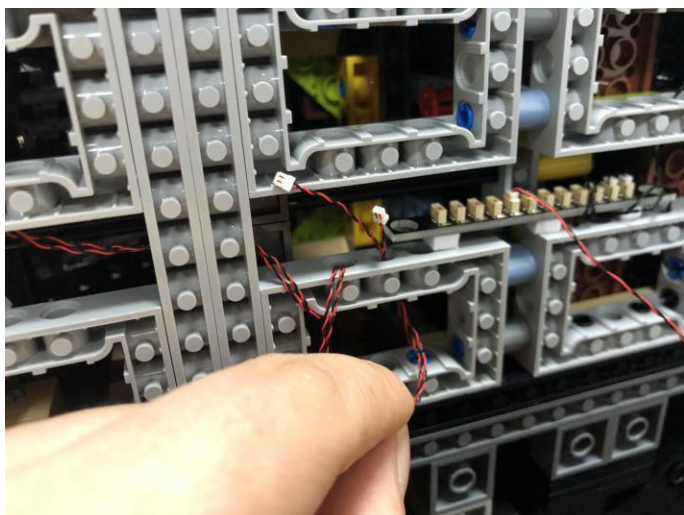
Pull the cable toward the bottom.



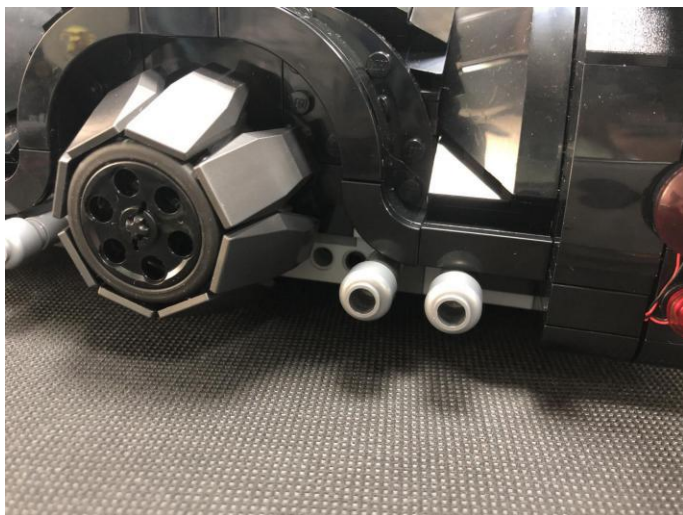
Thread the cable through the holes underneath the car(thread it randomly), and pull it to the 12-port expansion board.



Connect the cable to the 12-port expansion board.



Now, we' ll install lights for the exhausts, remove the 2 exhausts from the right side.



Disassemble them.



Take a 15cm red dot light, thread the cable through the 1x1 dark gray piece, pull the cable till the light is placed inside.

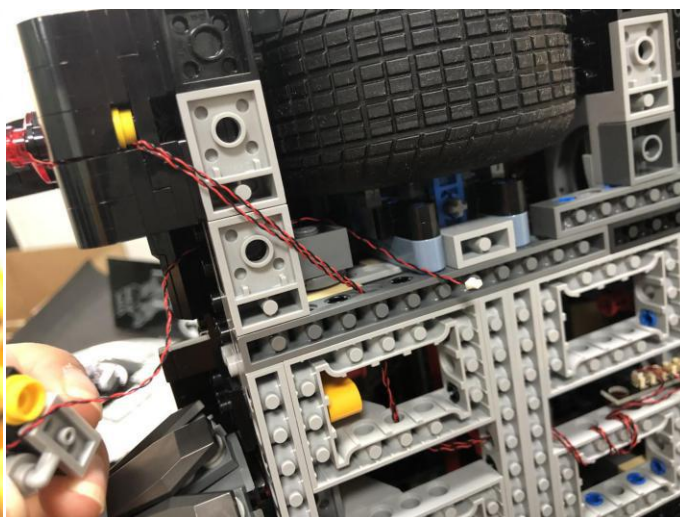
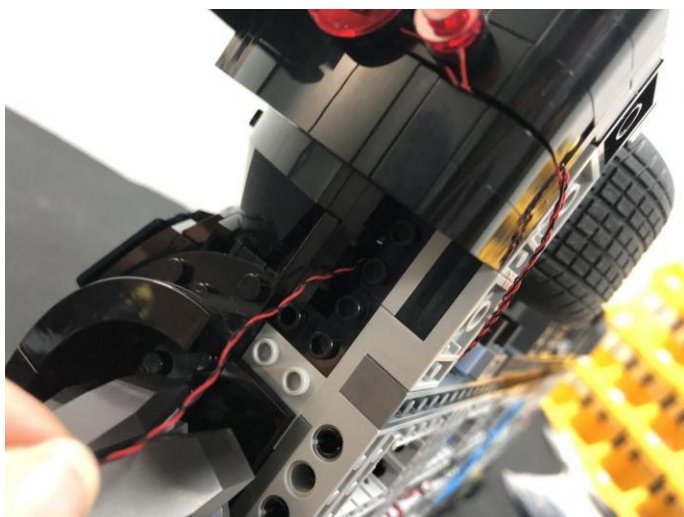




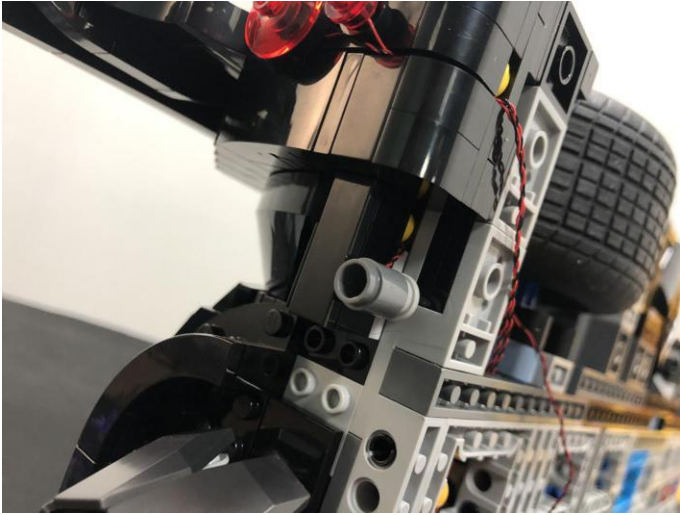
Reconnect the exhaust.



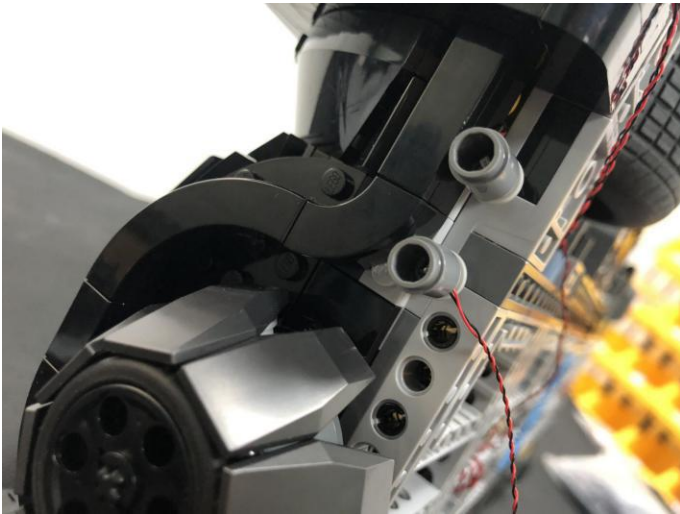
Thread the cable through the following space to the bottom of the car.



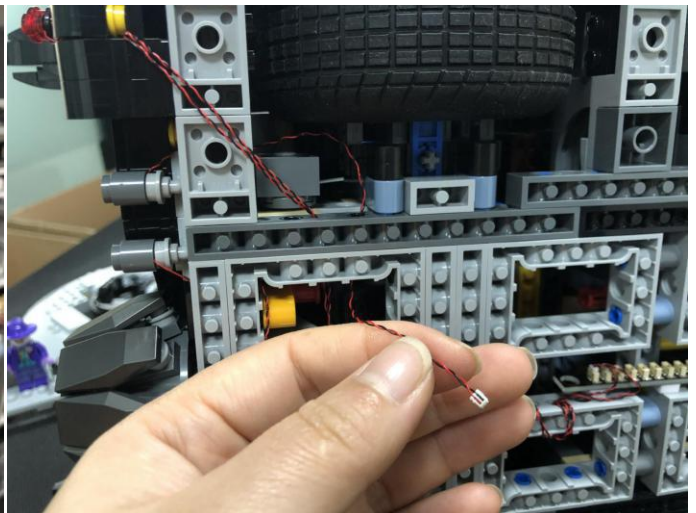
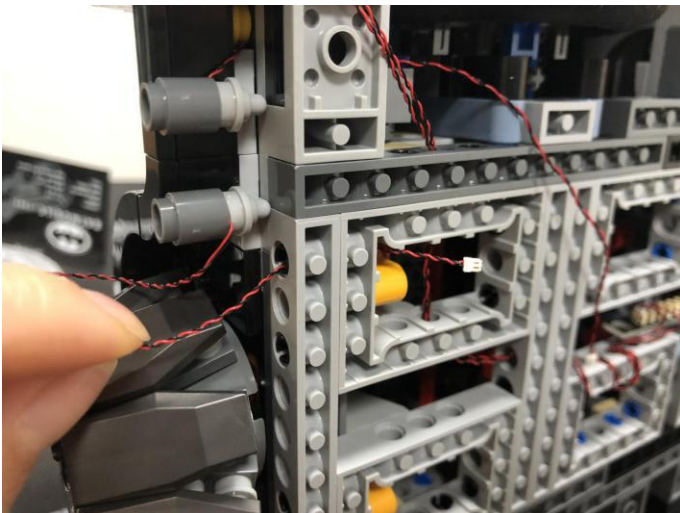
Reconnect the exhaust.



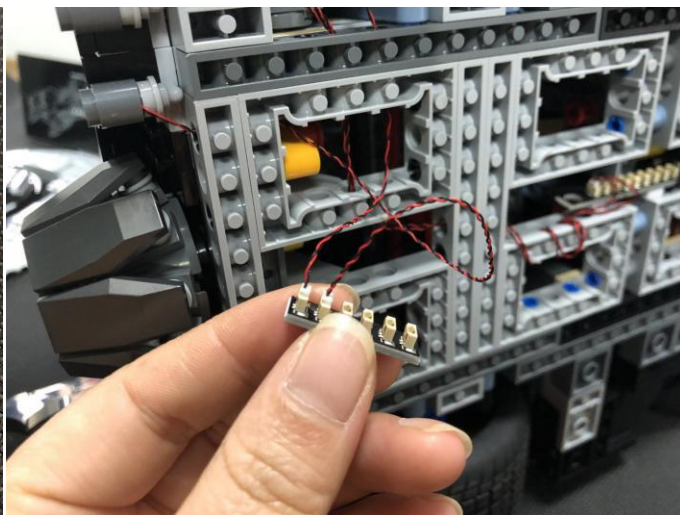
Take a 15cm red dot light repeat the steps above to install lights for the other exhaust.



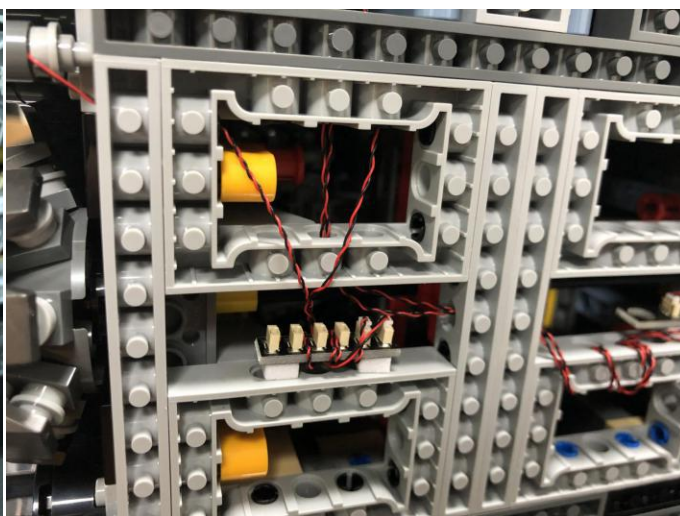
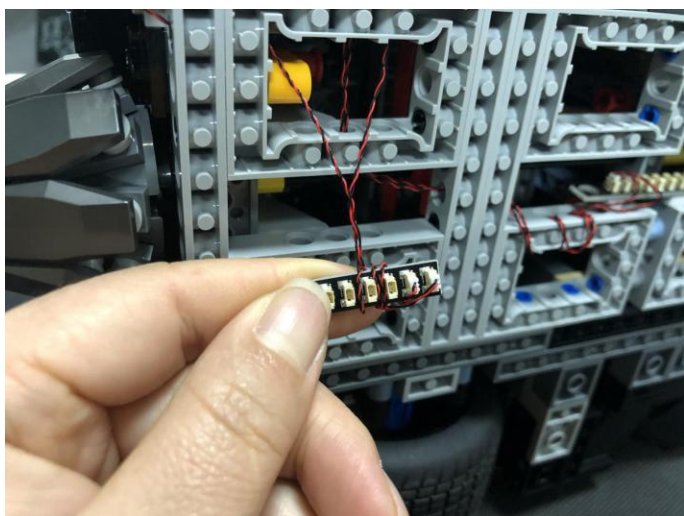
Thread the cable through the following place, and pull it out underneath the car.



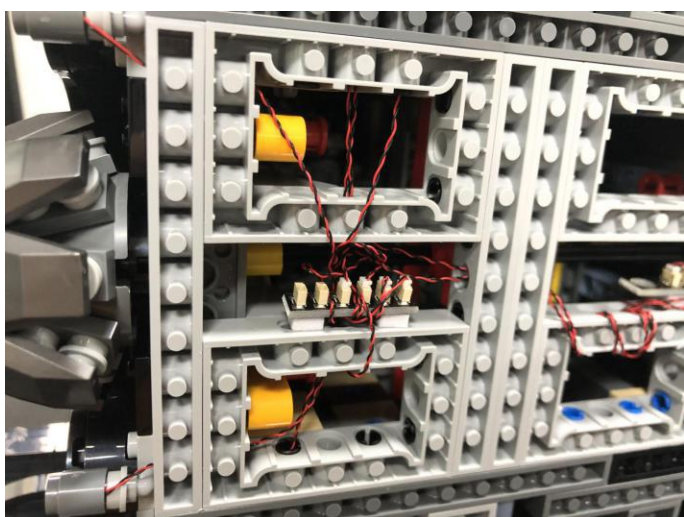
Take a 6-port expansion board, connect the 2 cables of the lights to it.



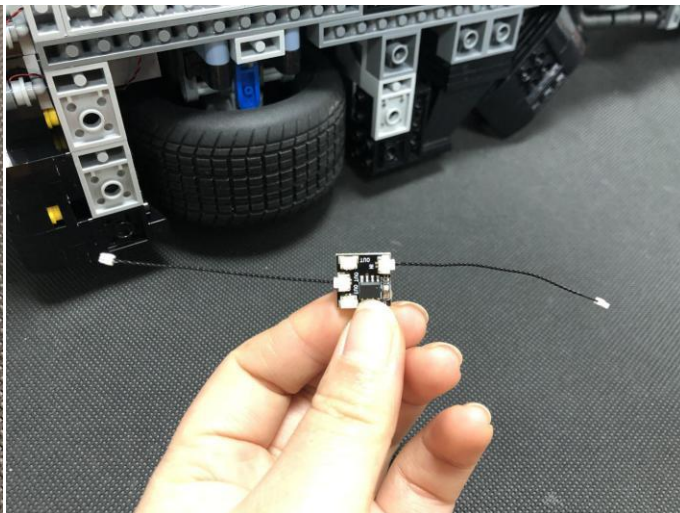
Tuck excess cables, stick the expansion board to the following place with adhesive squares.



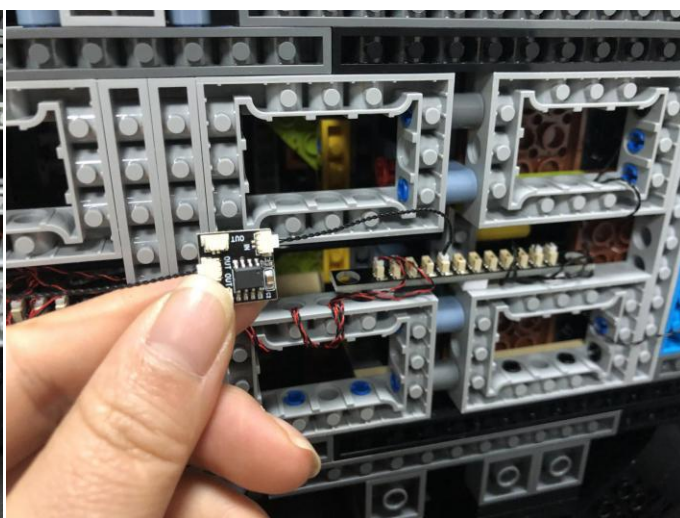
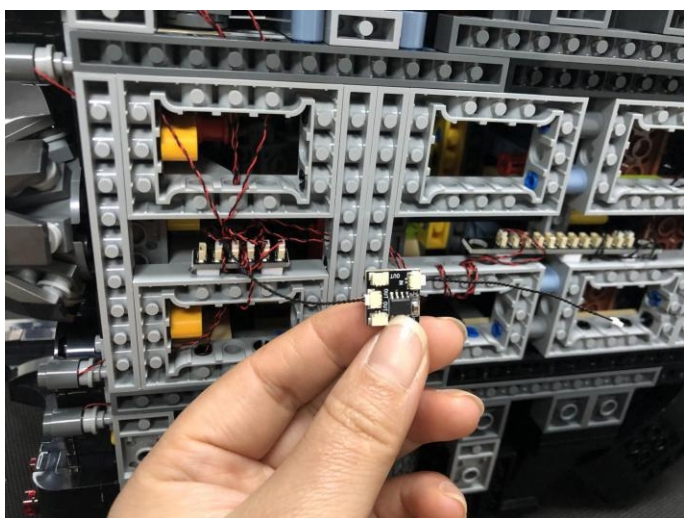
Take 2 more 15cm red dot lights, repeat the steps above to install lights for the exhausts at the other side.



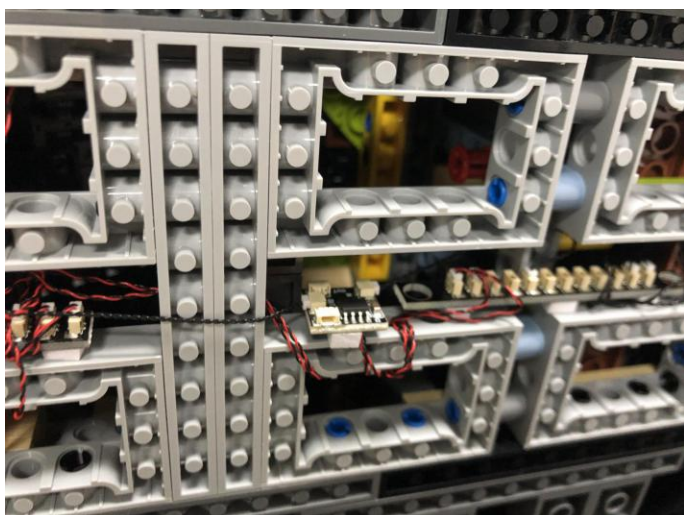
Take two 5cm connecting cable, a Flicker Effects Board, connect the two cables to the input and output ports of the Flicker Effects Board.



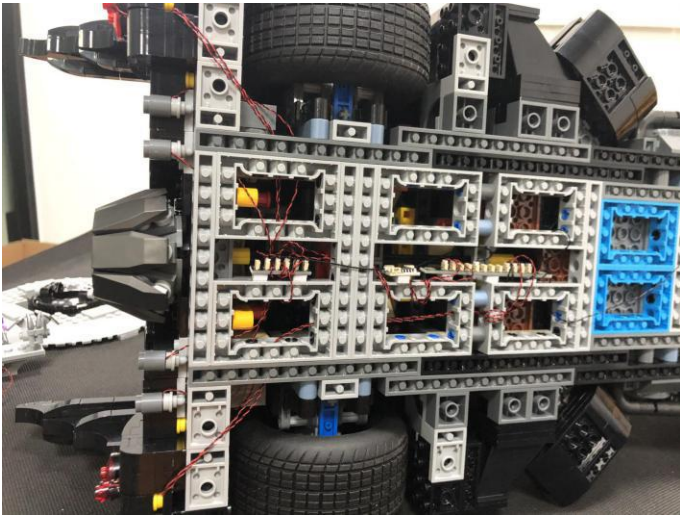
Connect the other end of the cable from the output port to the 6-port expansion board, connect the one from the input port to the 12-port expansion board.



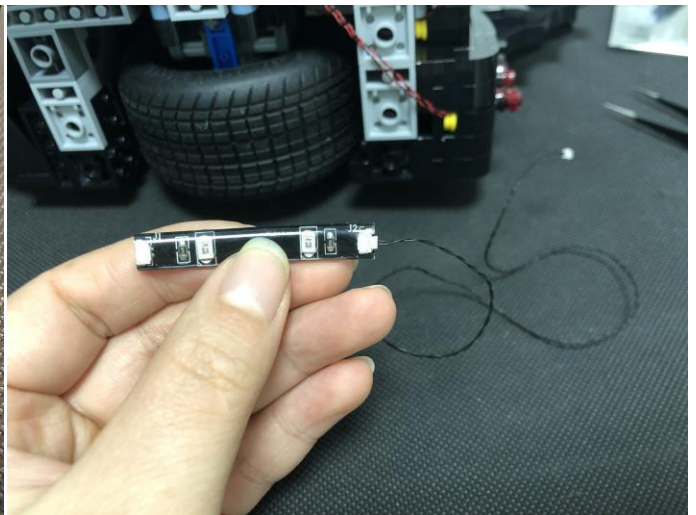
Stick the Flicker Effects Board to the following place.



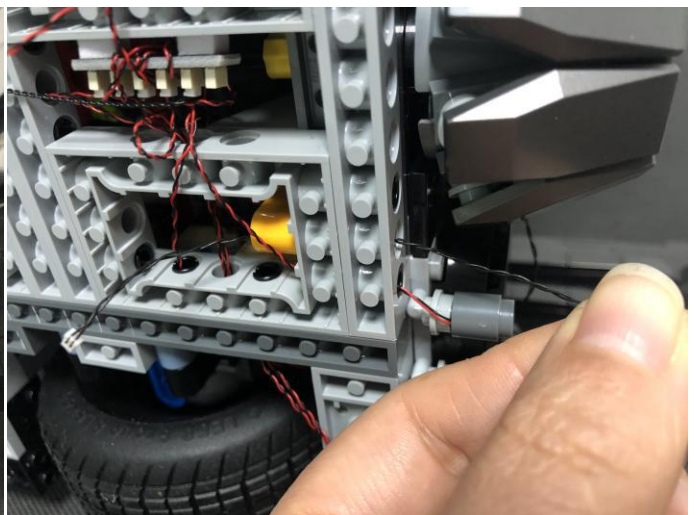
Take 2 red 30cm dot lights, a 1x1 trans red round plate, repeat the previous steps to install the taillights at the other side.



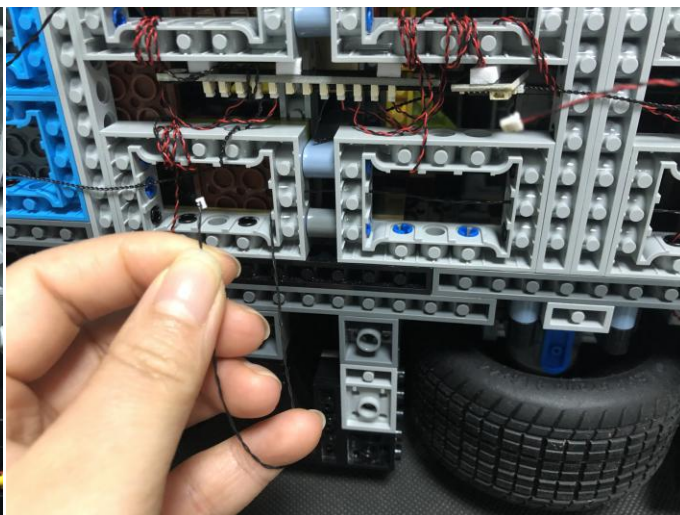
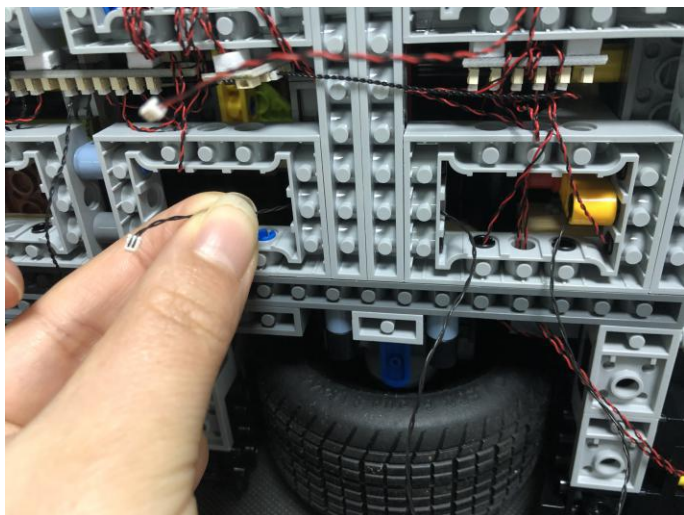
Take a 30cm connecting cable, a blue strip light, connect the connecting cable to the strip light.



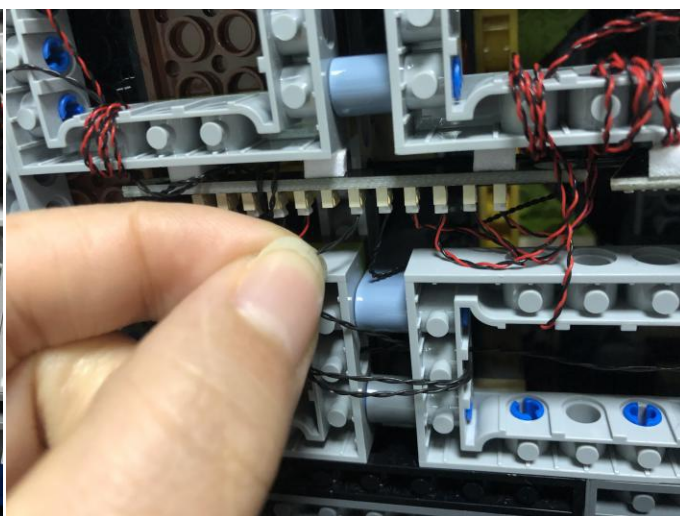
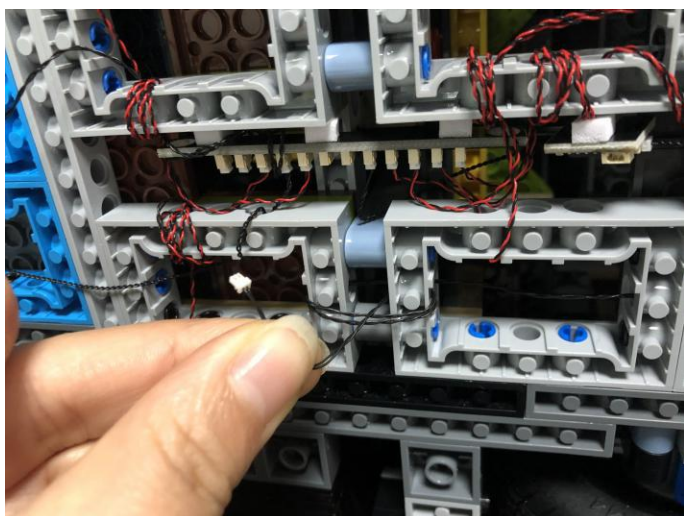
Stick the strip light to the following place over the tail, thread the connecting cable downward.



Thread the cable through the holes at the bottom(thread through them randomly).



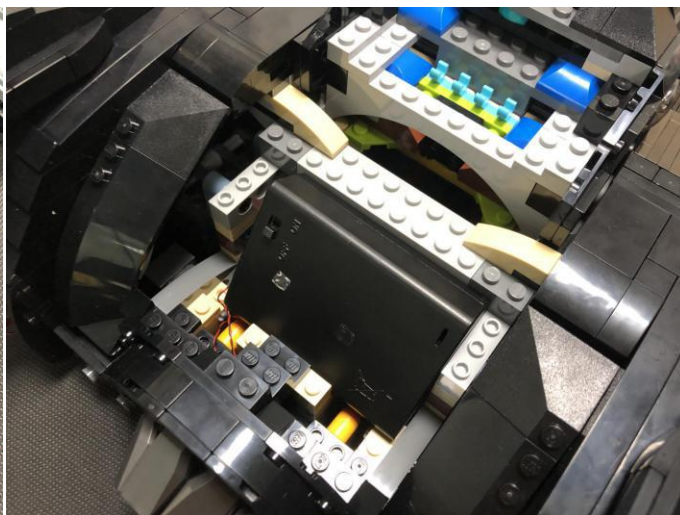
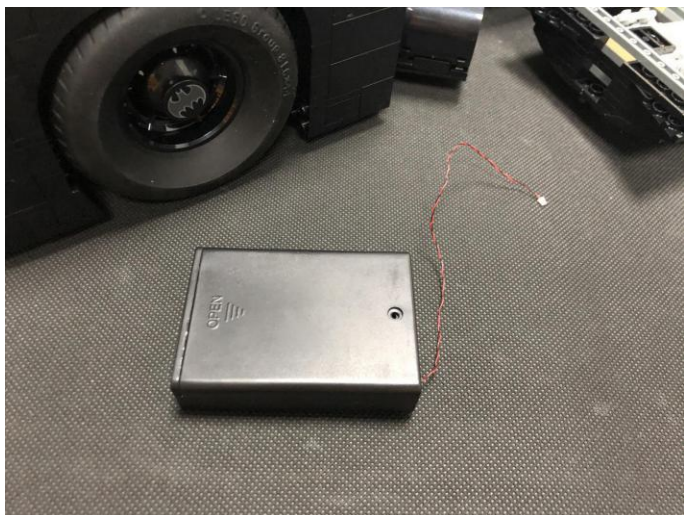
Tuck excess cables, connect it to the 12-port expansion board.



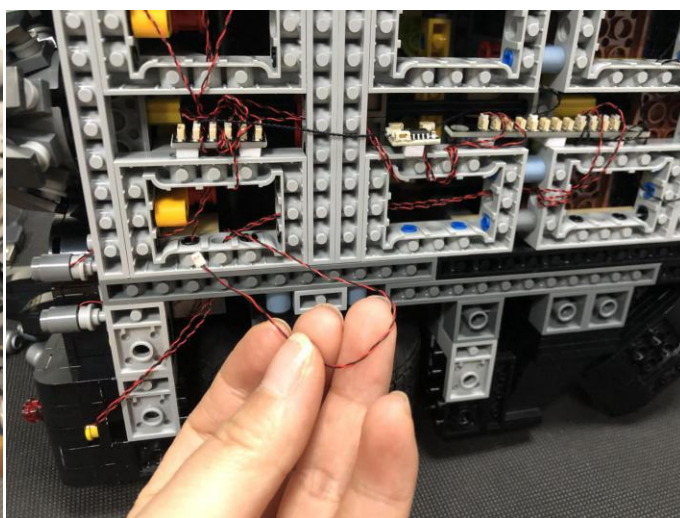
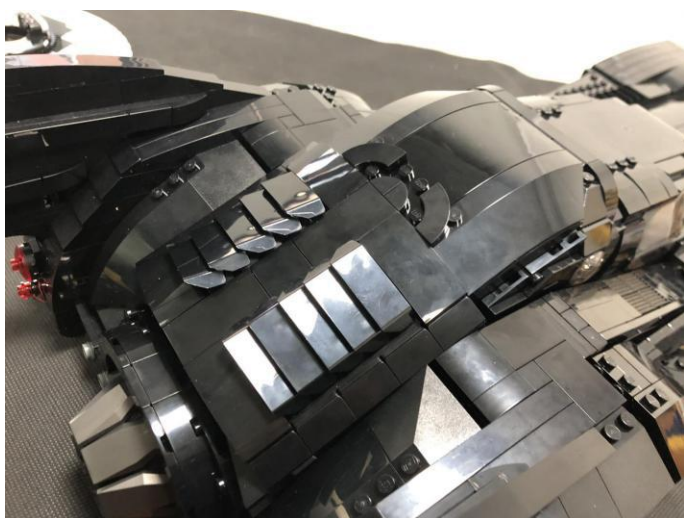
Remove the tail.



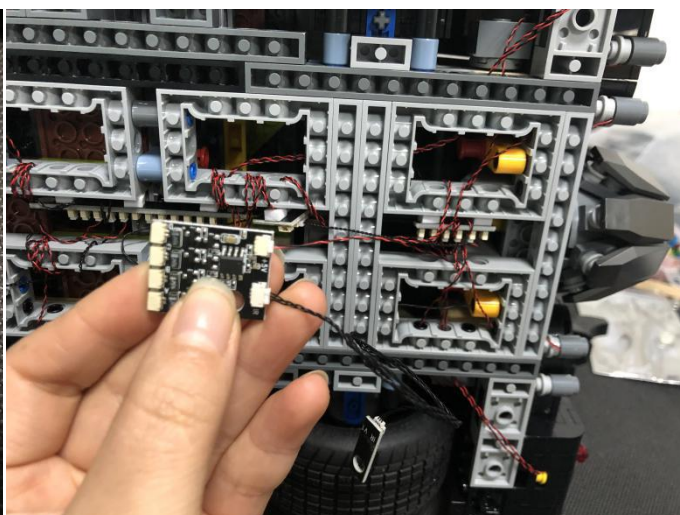
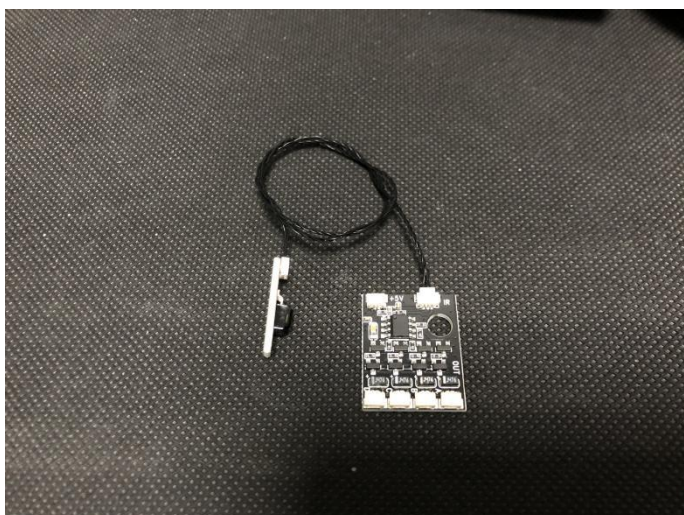
Take the battery pack, thread the cable through the space to the bottom.



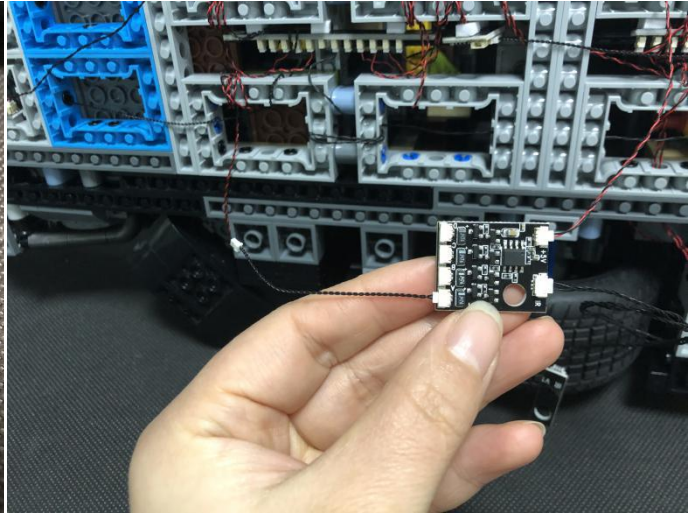
Reconnect the piece we removed before, turn the car to its side, pull the cable out from the bottom.



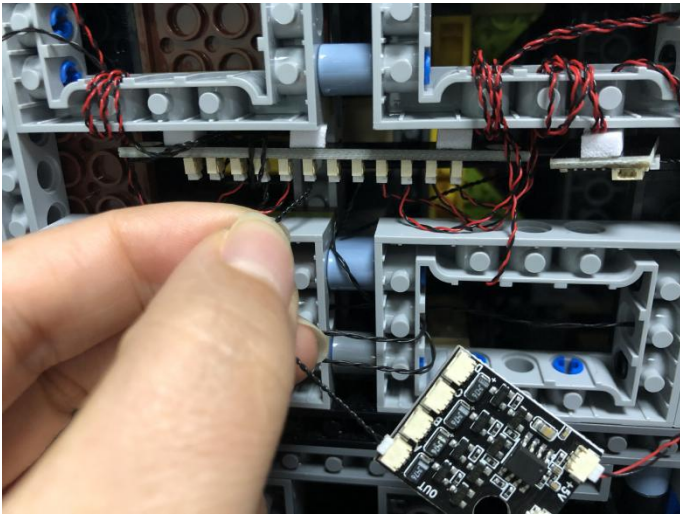
Take the Remote Control Switch Board, connect the connecting cable to the Remote Control Switch Board.



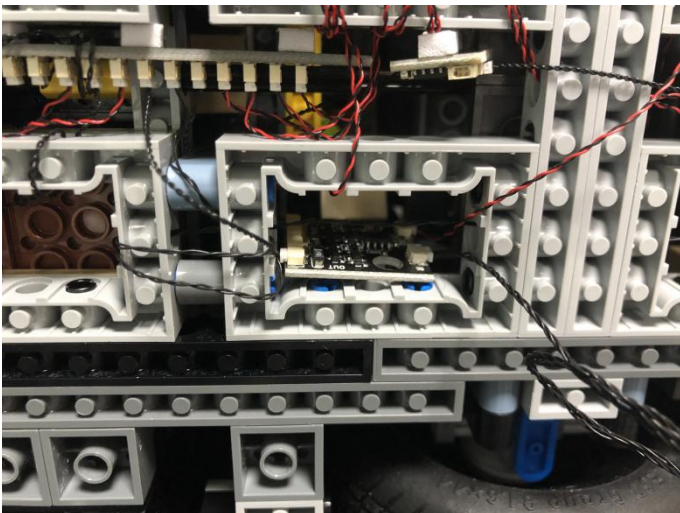
Take a 5cm connecting cable, connect it to one of the output port on the Remote Control Switch Board.



Connect the 5cm connecting cable to the 12-port expansion board.



Stick the Remote Control Switch Board to the following place with the adhesive squares.



This completes installation of this LED Lighting Kit. ENJOY!

