

## Volkswagen Beetle #10252

### Package contents:

- 4x Dot Lights (with 30cm cable)
- 2x Dot Lights (with 15 cm cable)
- 1x 8-port Expansion Board
- 1x Flat Battery Pack

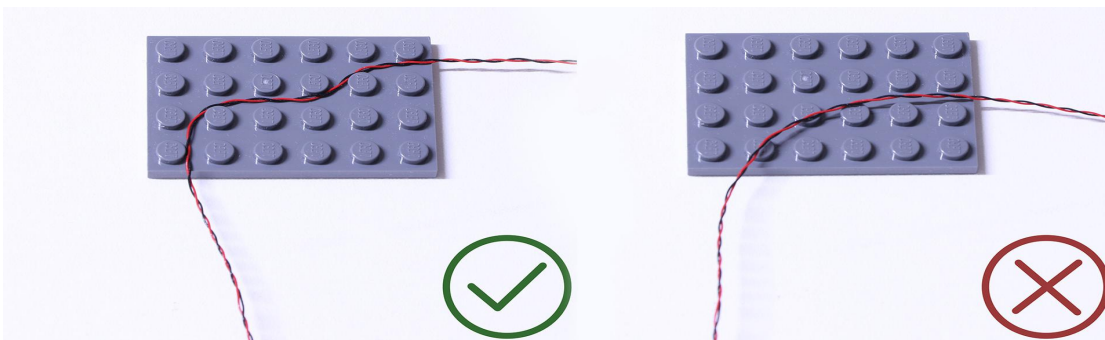
### Extra Pieces

- 2x Trans Red 1x1 plates

### Note:

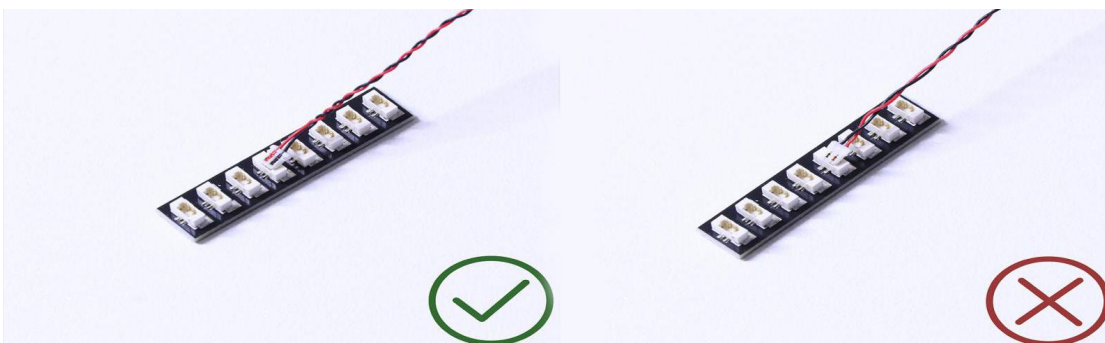
Place wires on the surface or under the LEGO building blocks.

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

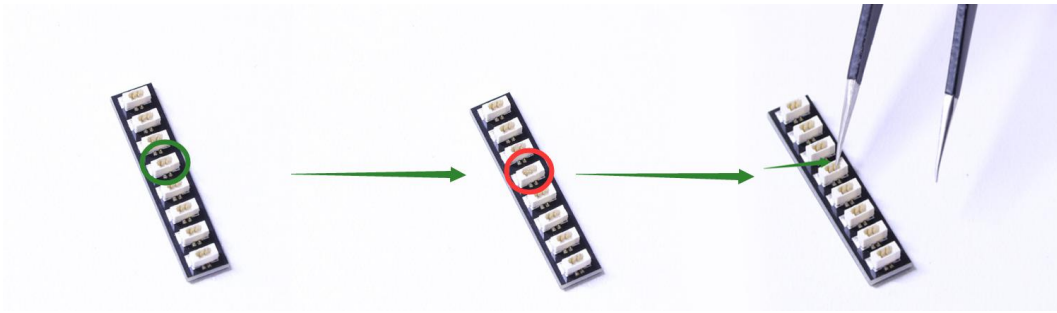


Insert the connectors to the ports.

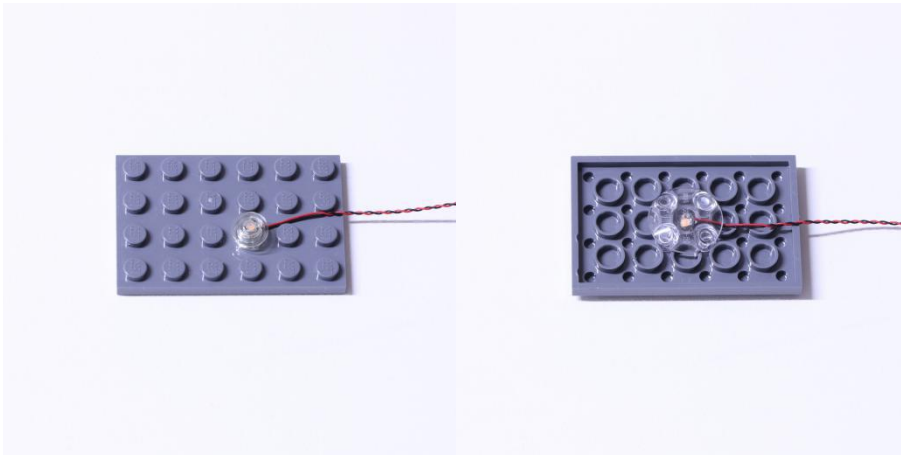
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

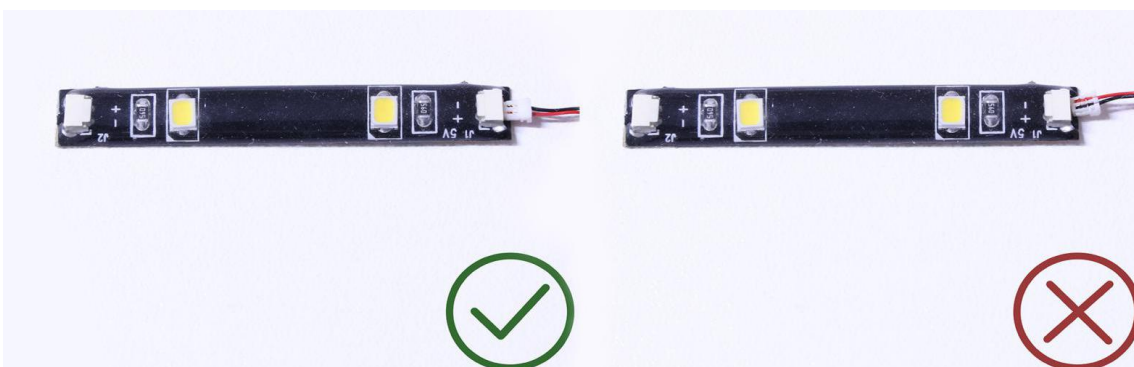


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

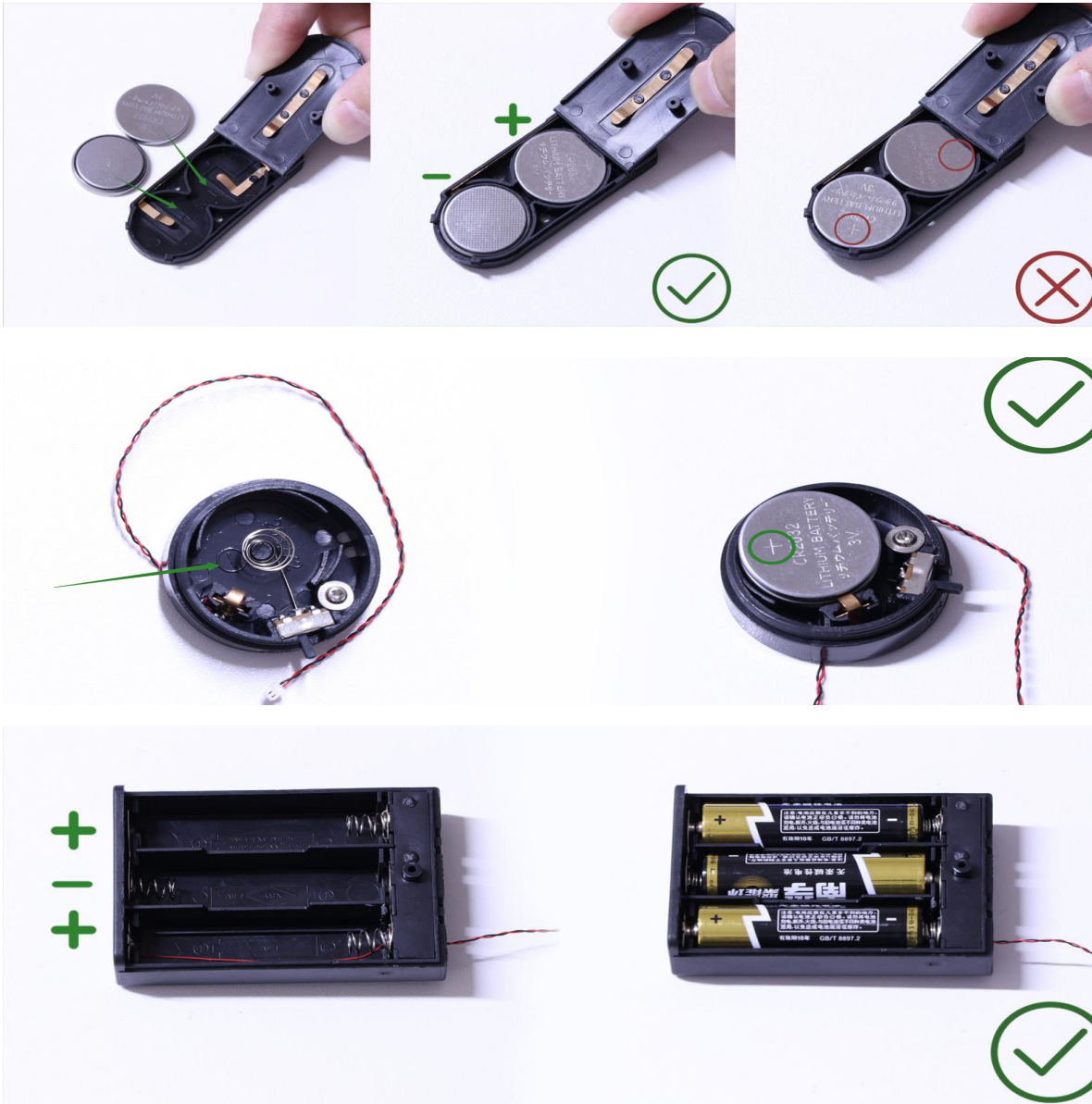


### Connecting cable connectors to Strip Lights

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.

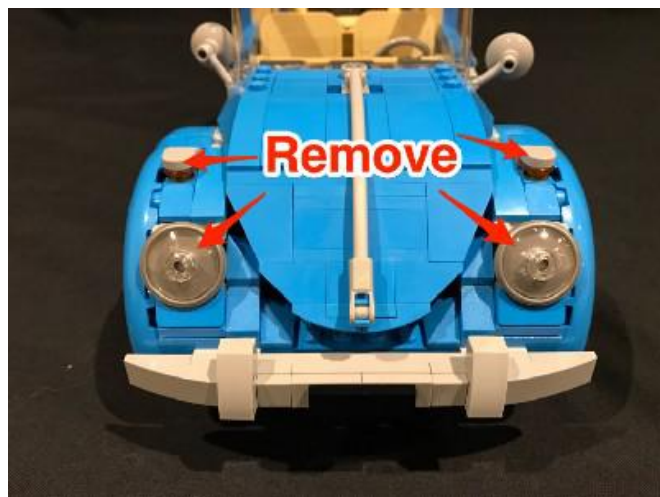


OK, Let's Begin!

## *Instructions for installing this kit*

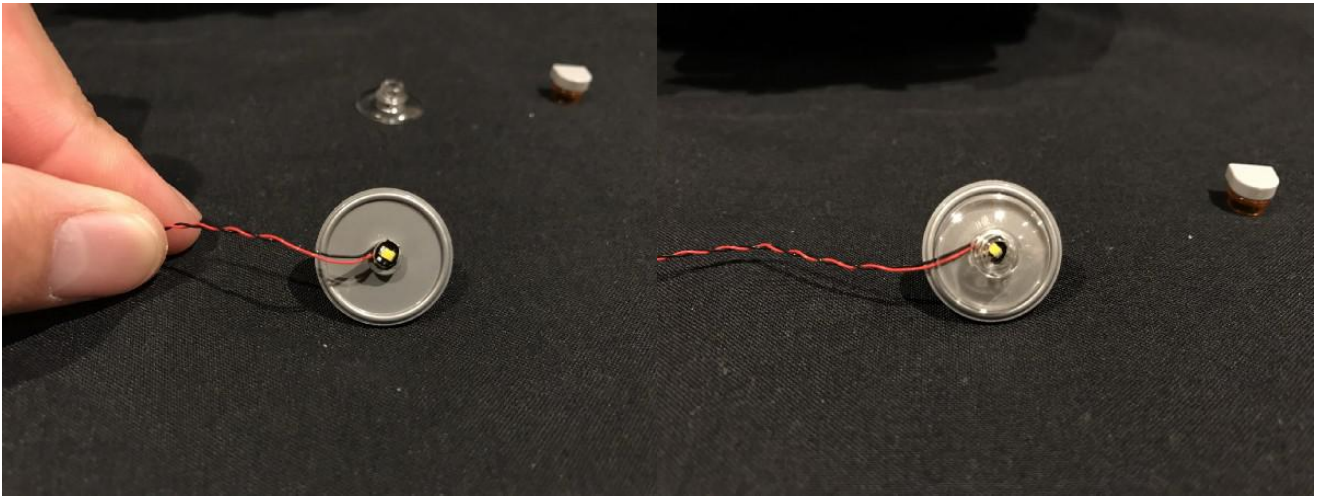
1.) We will start with installation of the headlights.

First remove the headlight sections as well as the indicator light sections and then disassemble these sections as per below.

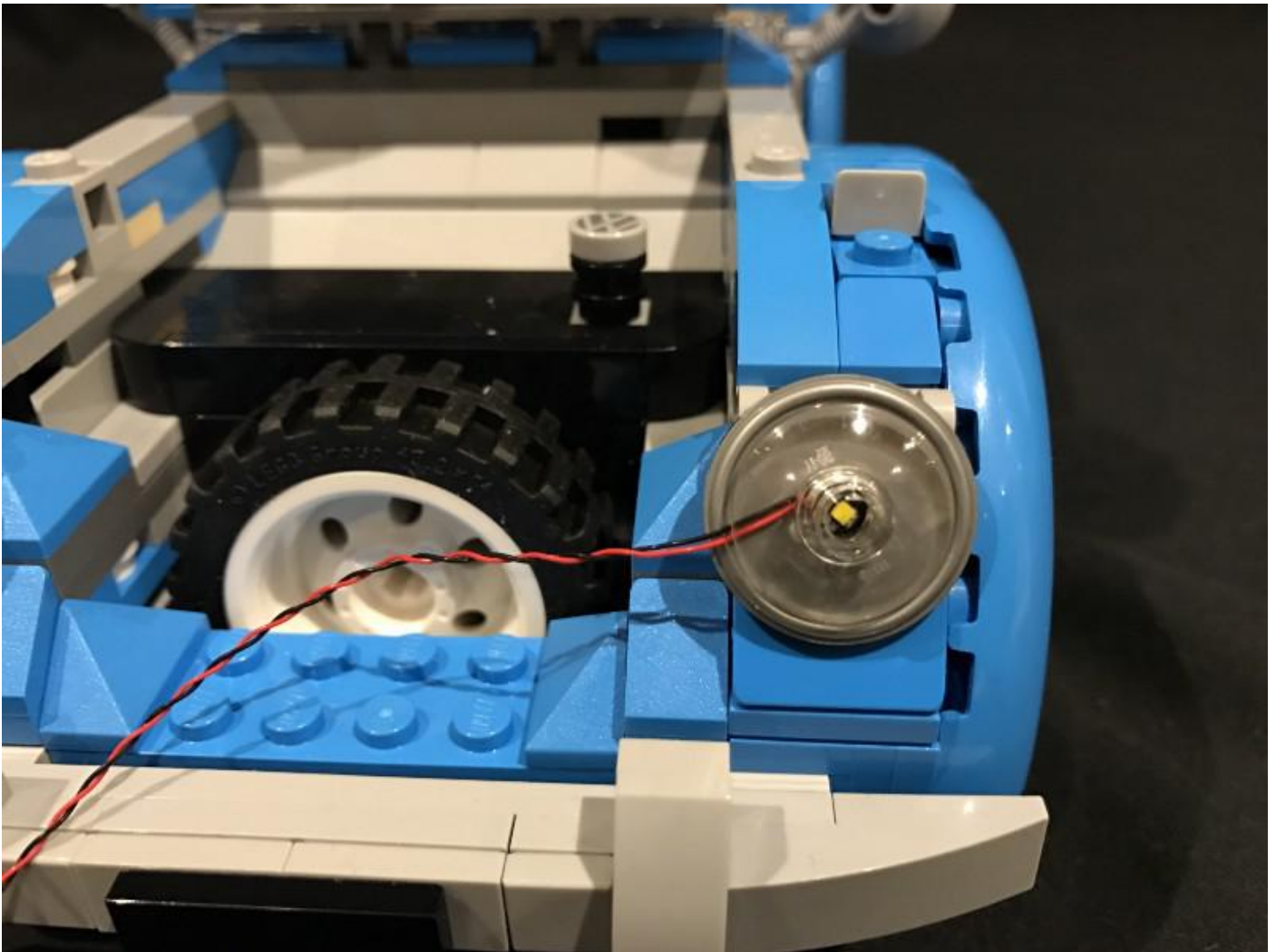


2.) Take one of the dot lights with 30 cm cable and place the LED component part directly over the stud of the headlight. Ensure it is facing the correct way up and then secure it in place by reconnecting the trans dish piece over the top.

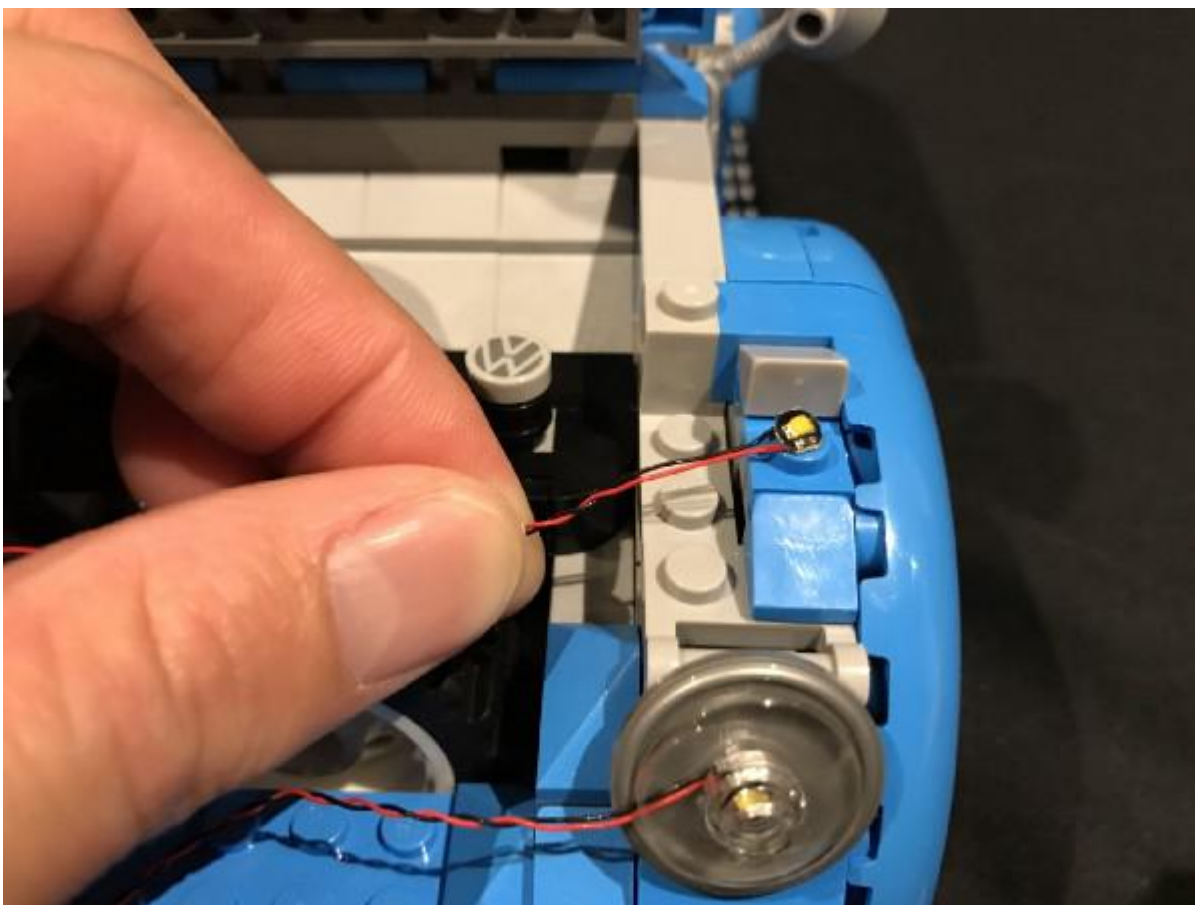
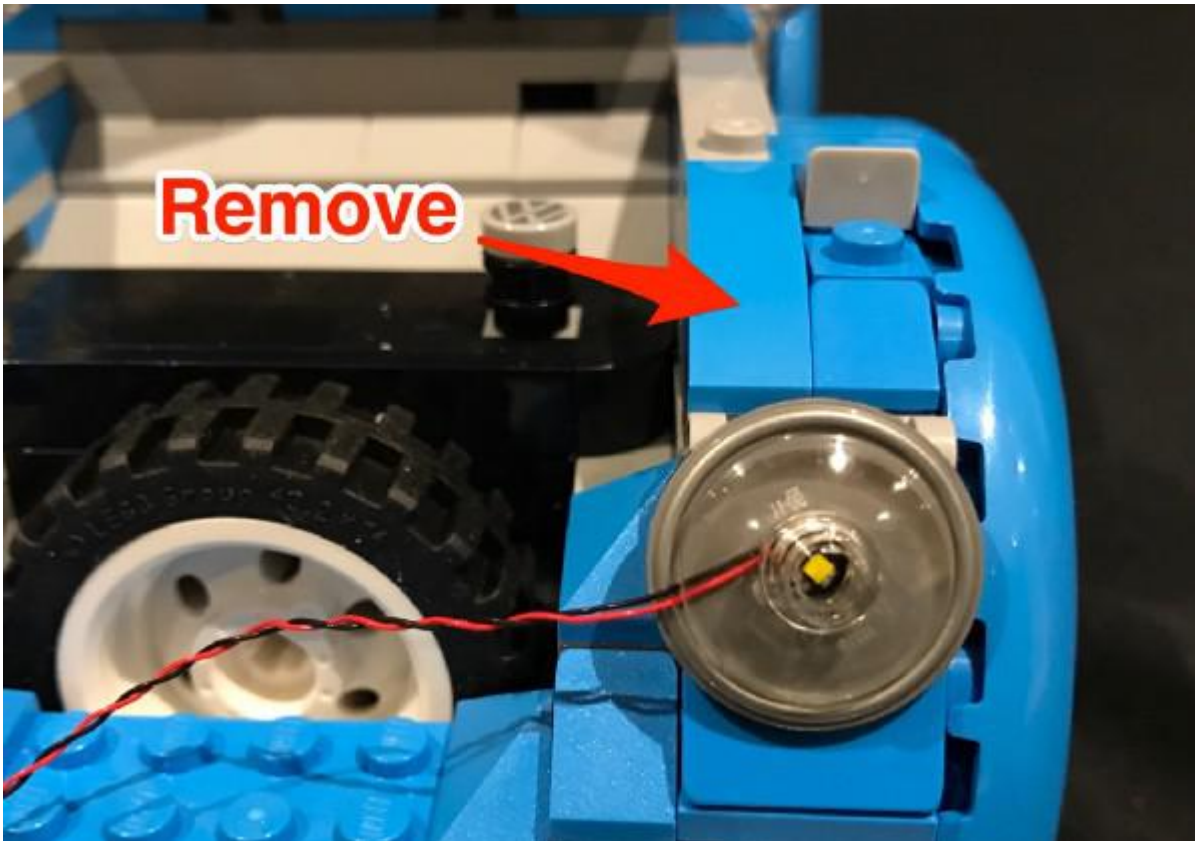




Reconnect this section back to the car ensuring the cable is facing inside of the bonnet.



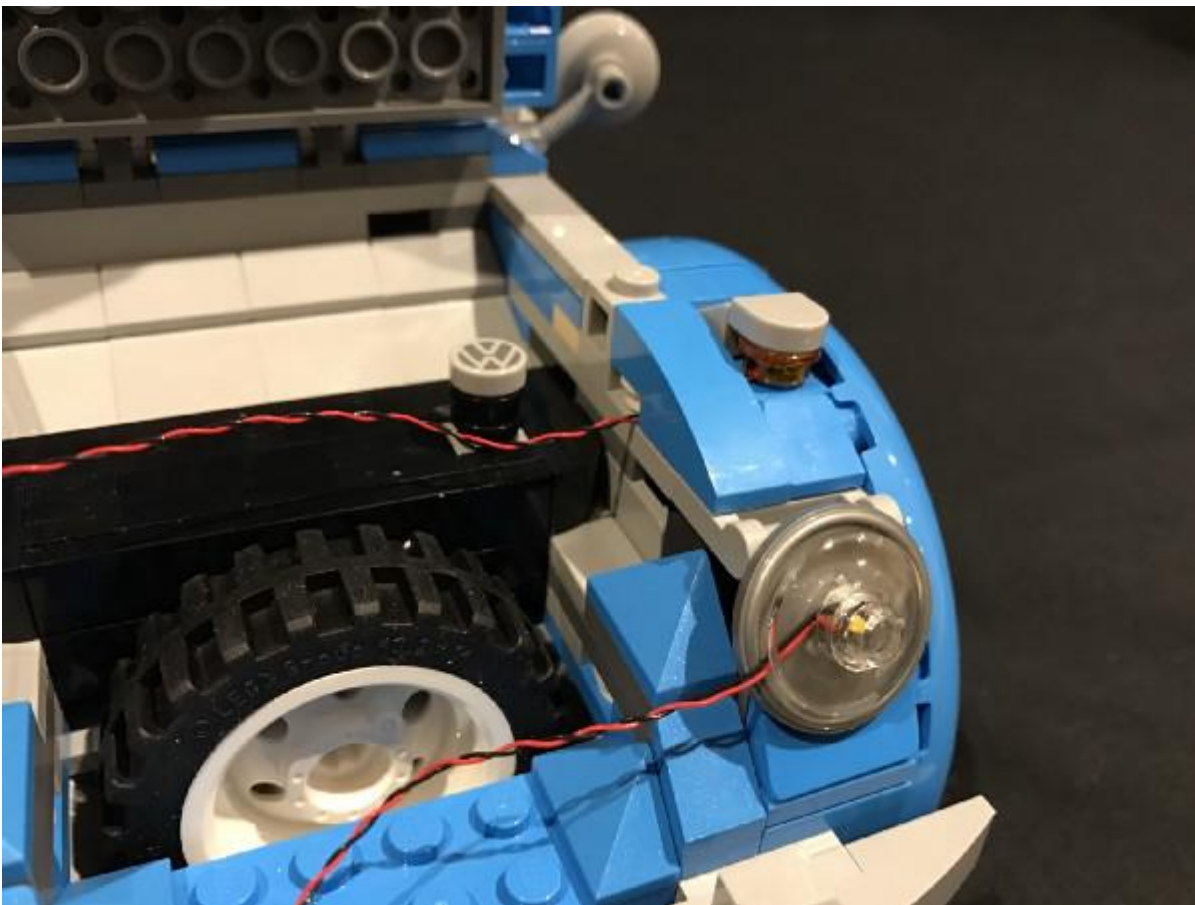
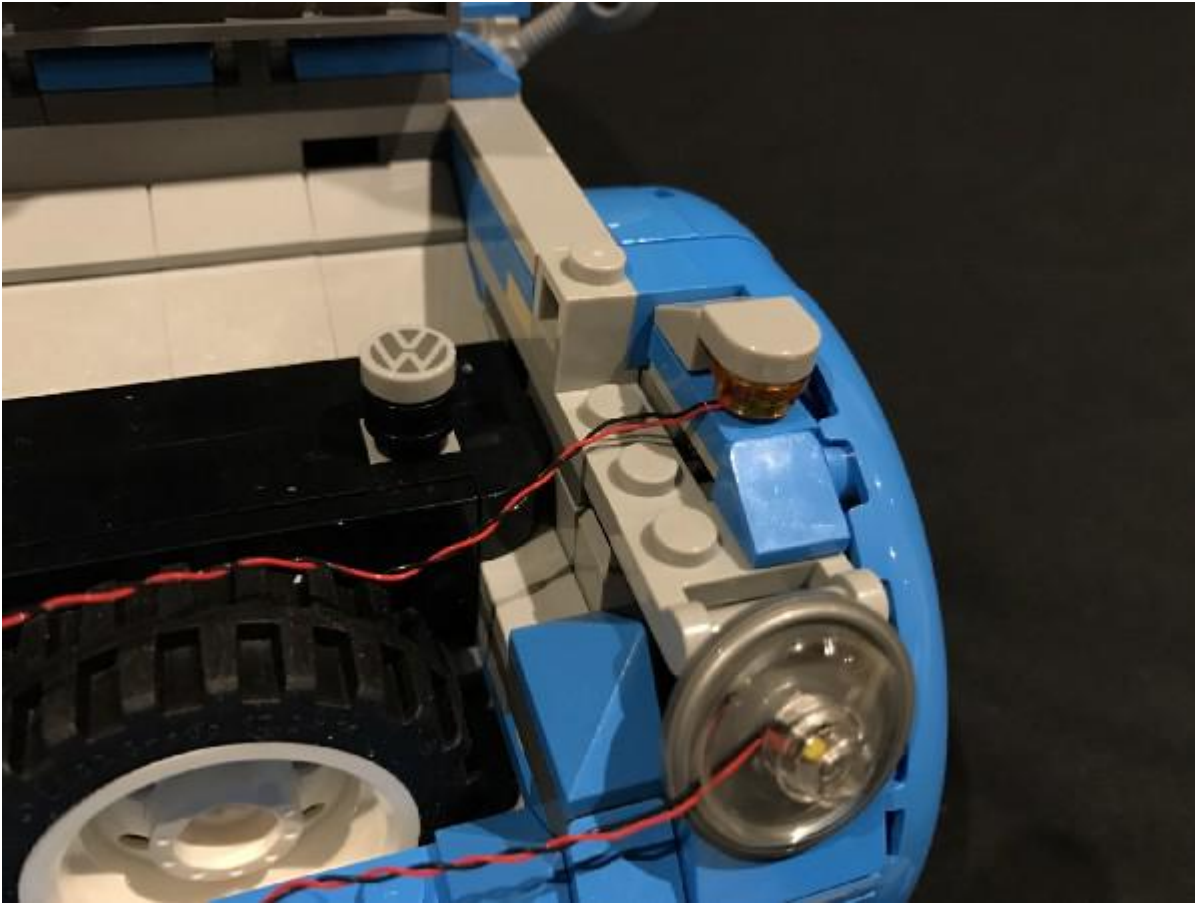
3. ) Remove the blue piece next to where the indicator light was and then take another dot light with 30cm cable and place it directly over the blue stud as per below.



Secure the dot light in place by reconnecting the indicator light piece directly over the top, ensuring the cable is facing toward the inside of the bonnet. Reconnect the blue piece we removed earlier ensuring

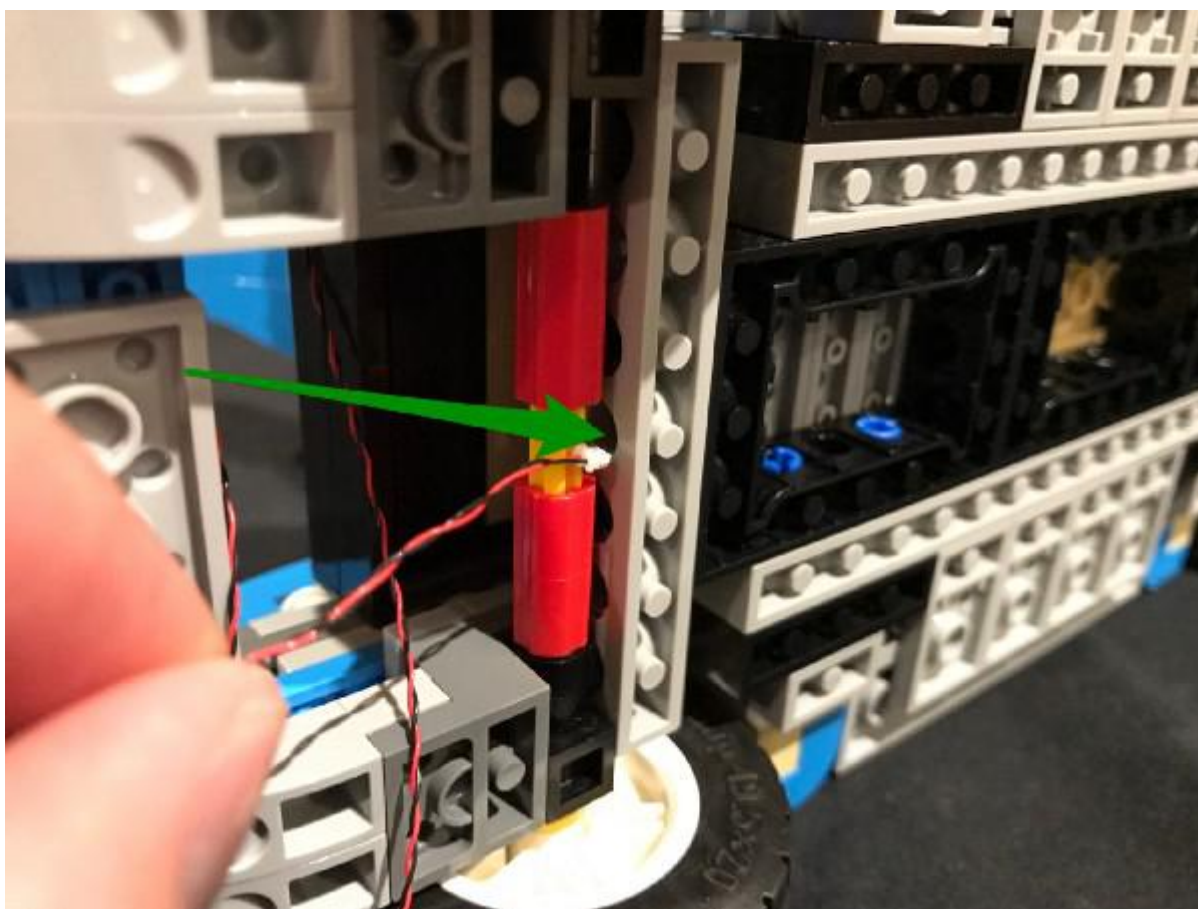
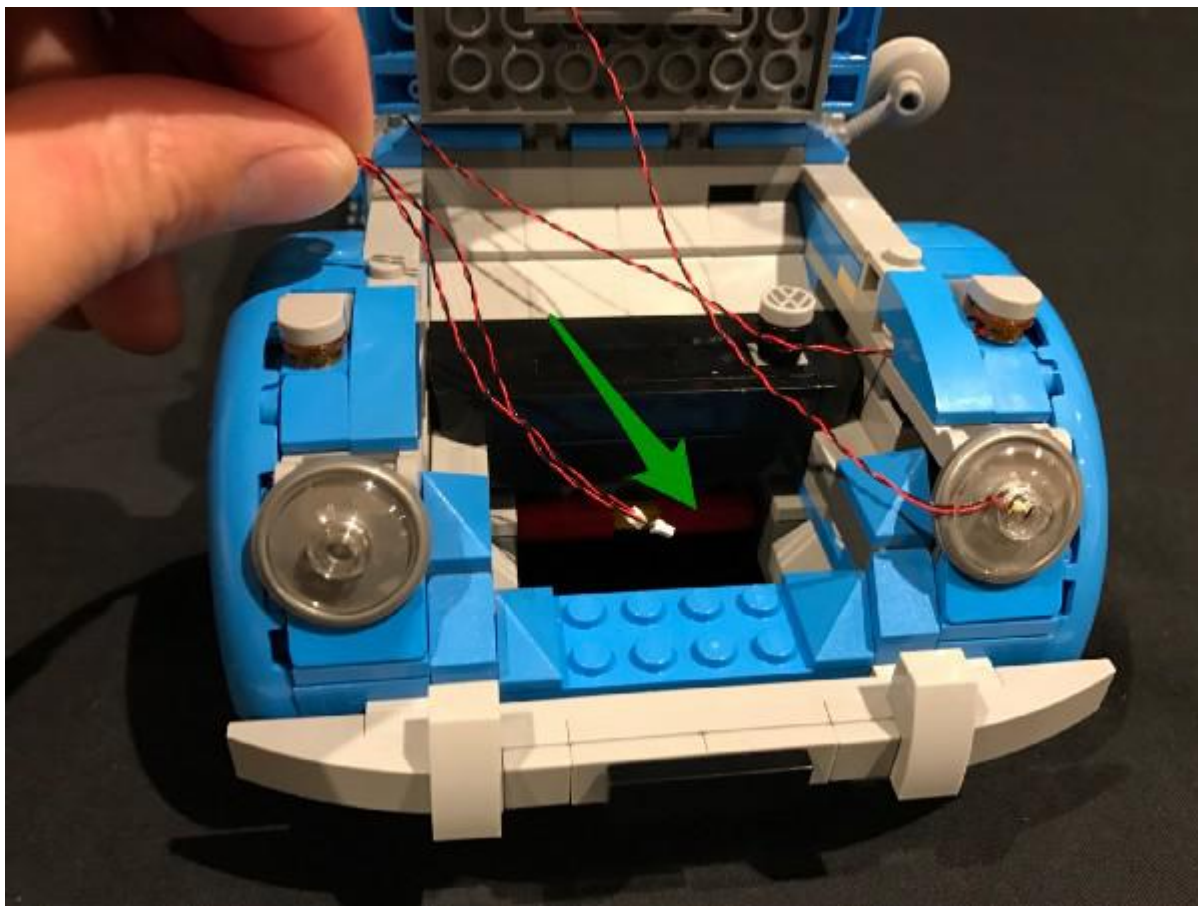


the cable underneath is laid in between studs.

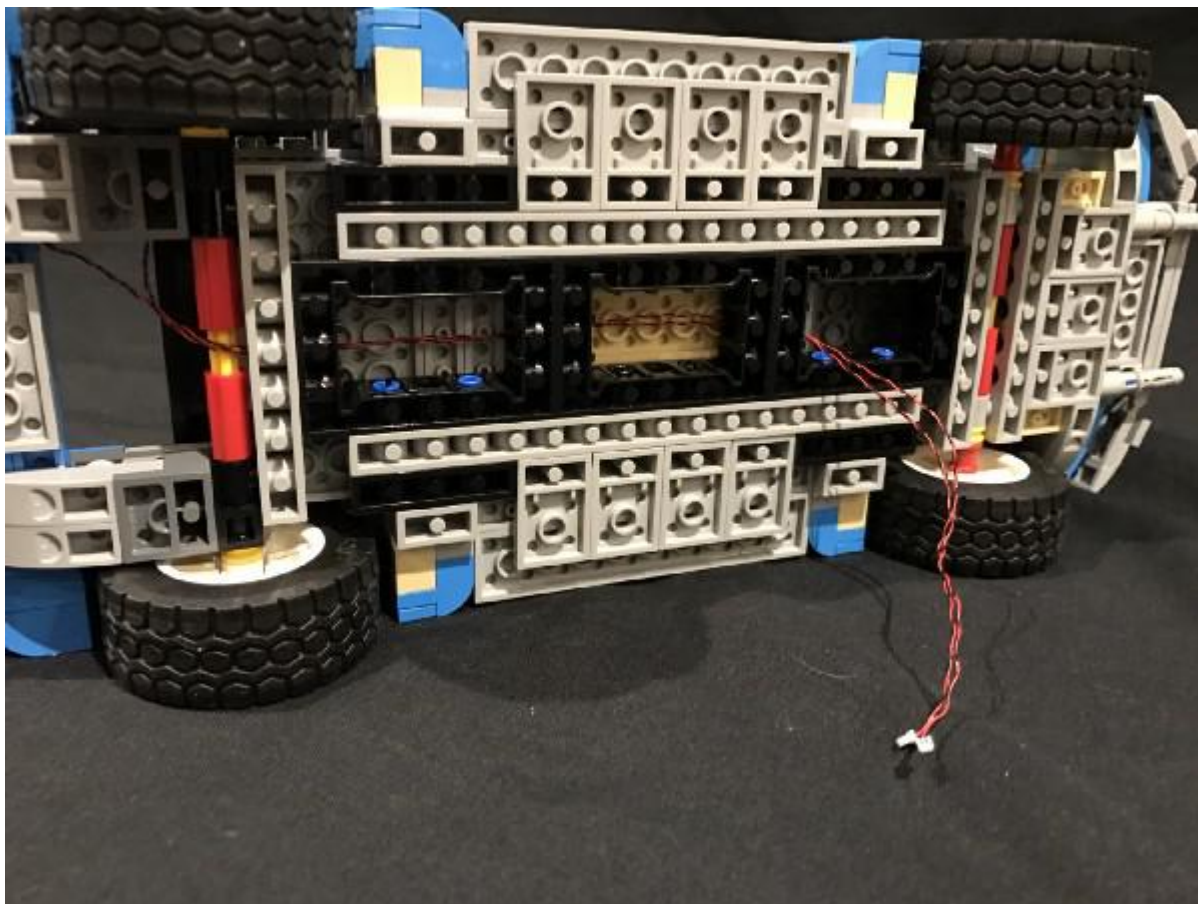
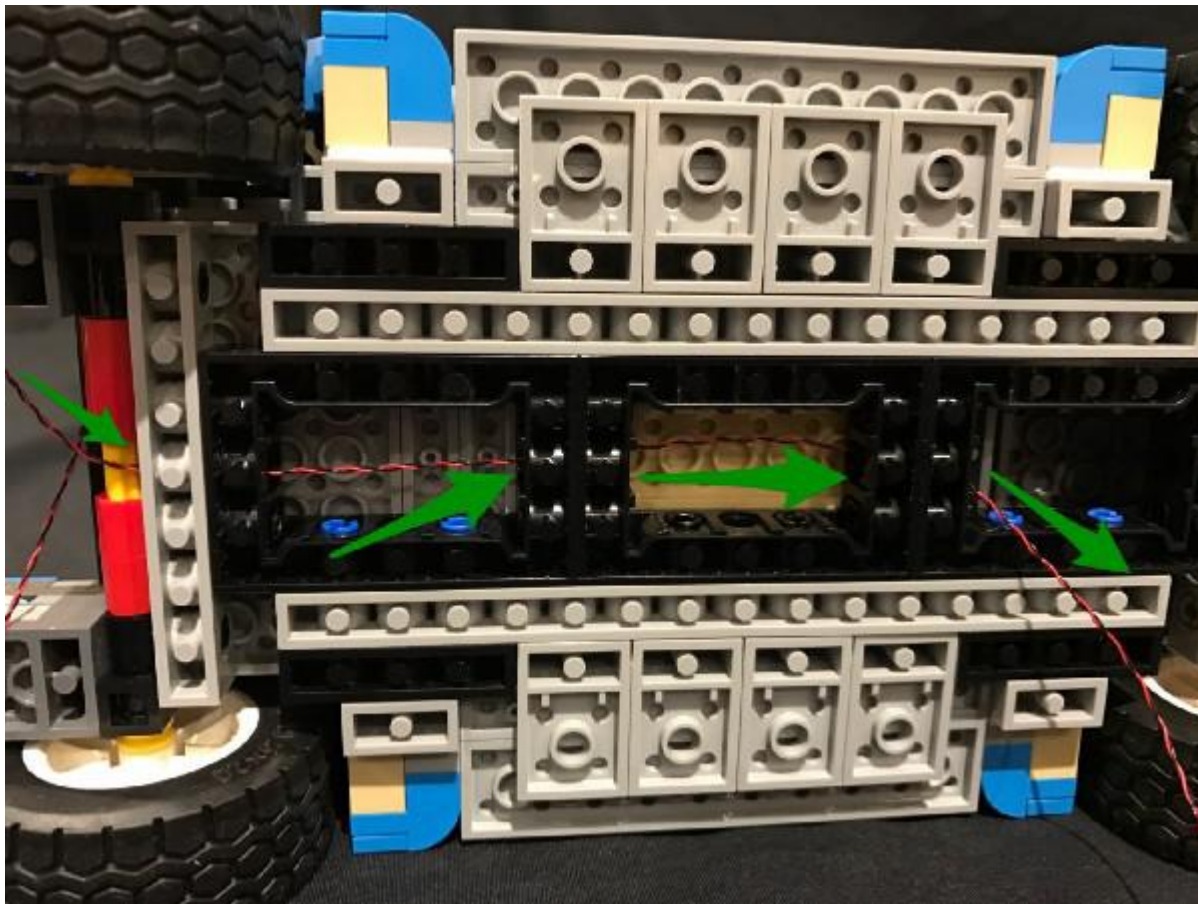


4. ) Remove the spare tyre from the inside and then thread the 2 cables down underneath the car. Lift the car up and then using one cable at a time, thread the cable through holes of the LEGO pieces down

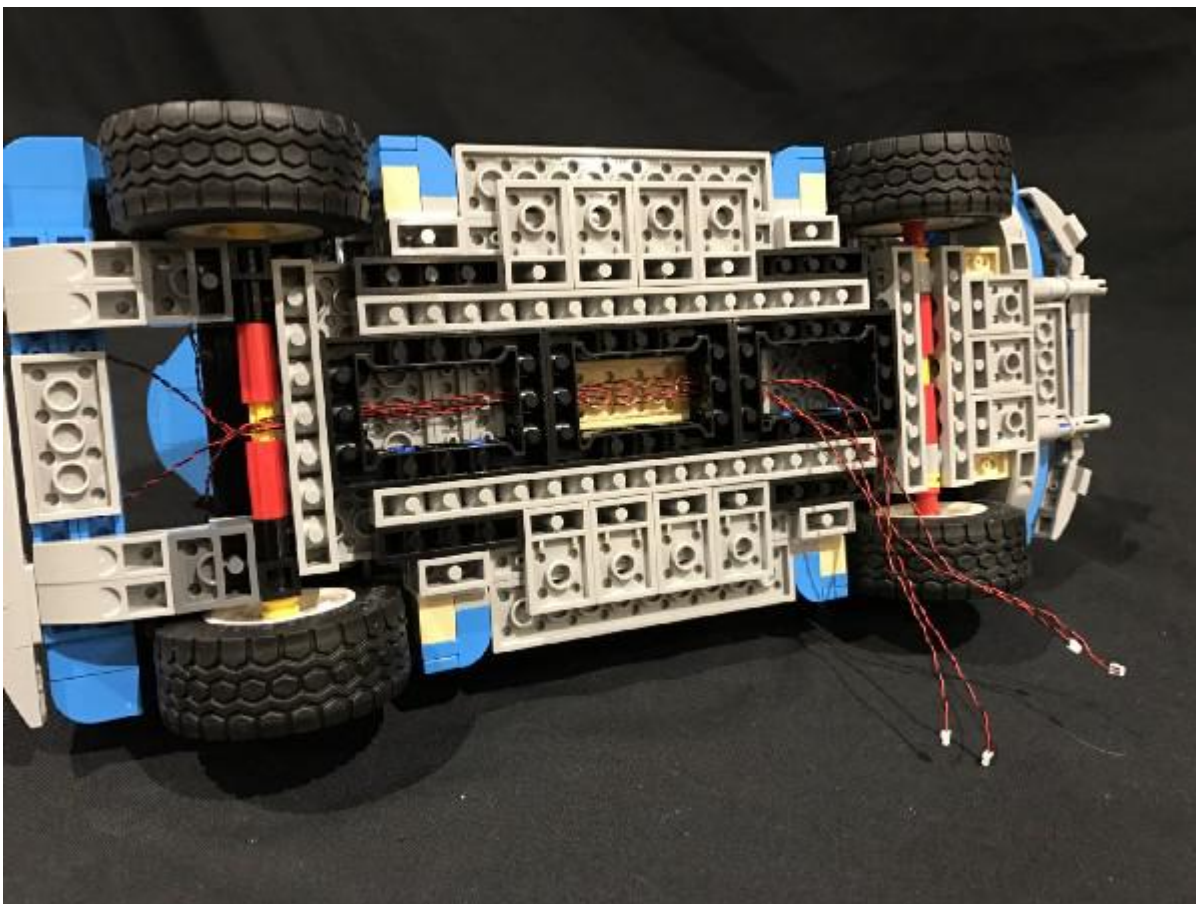
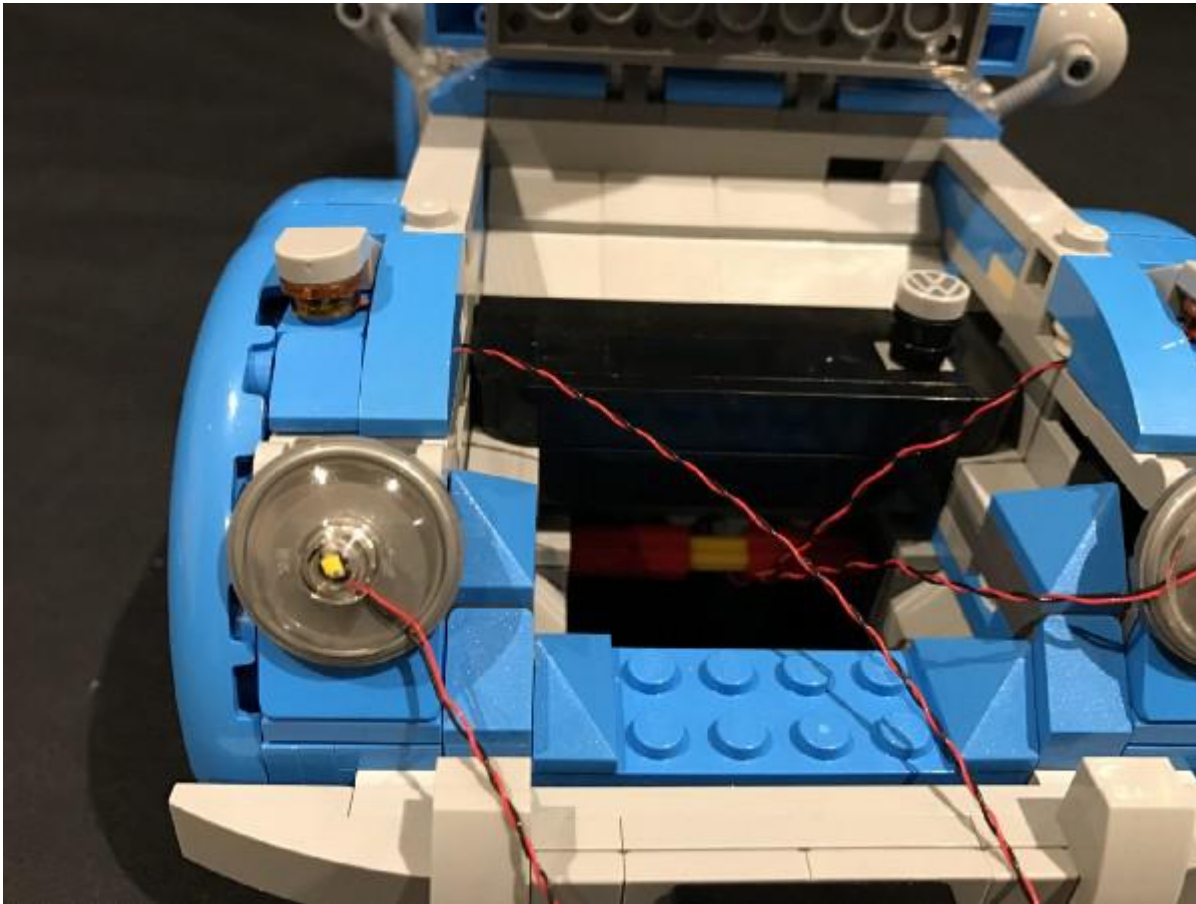
towards the back of the car.





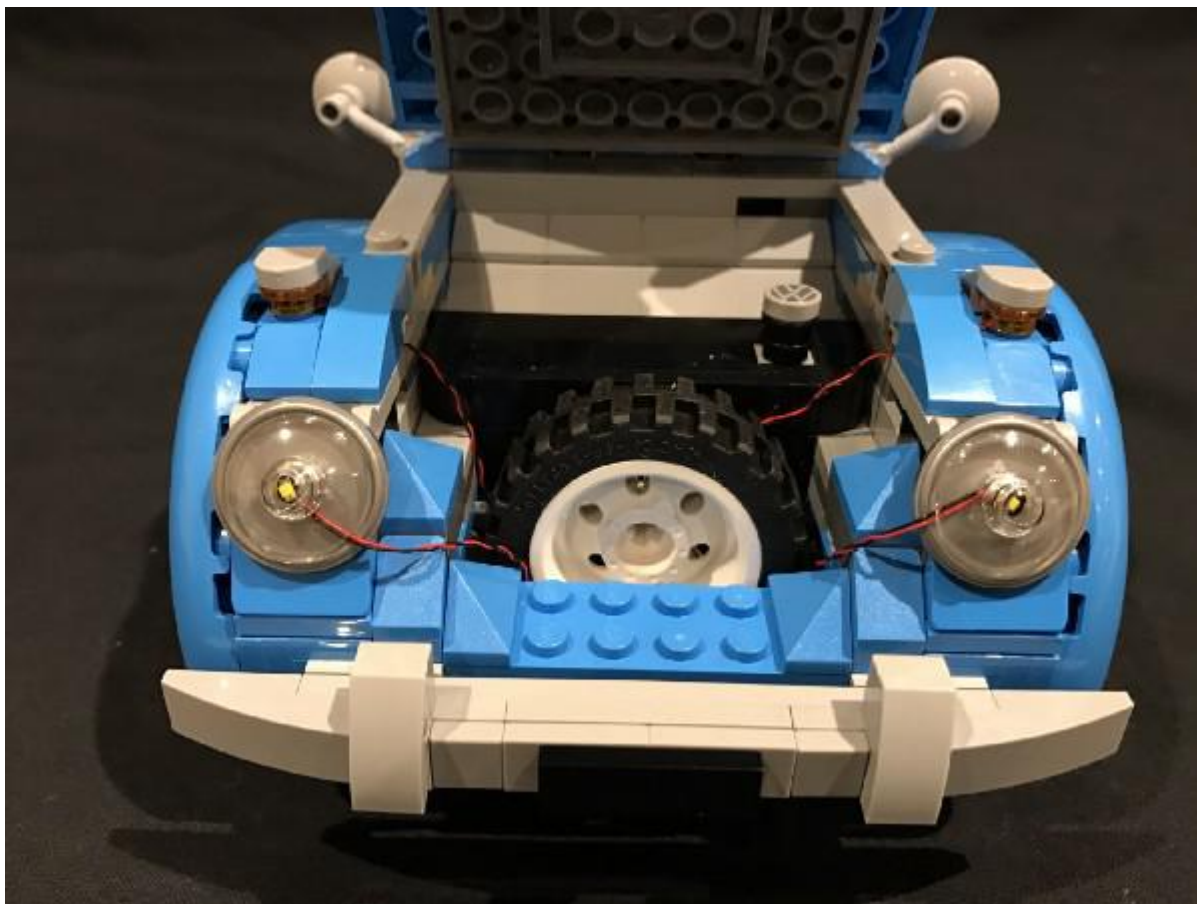


6.) Repeat the above process to install another 2 dot lights with 30cm cable to the left section of the front of the car.



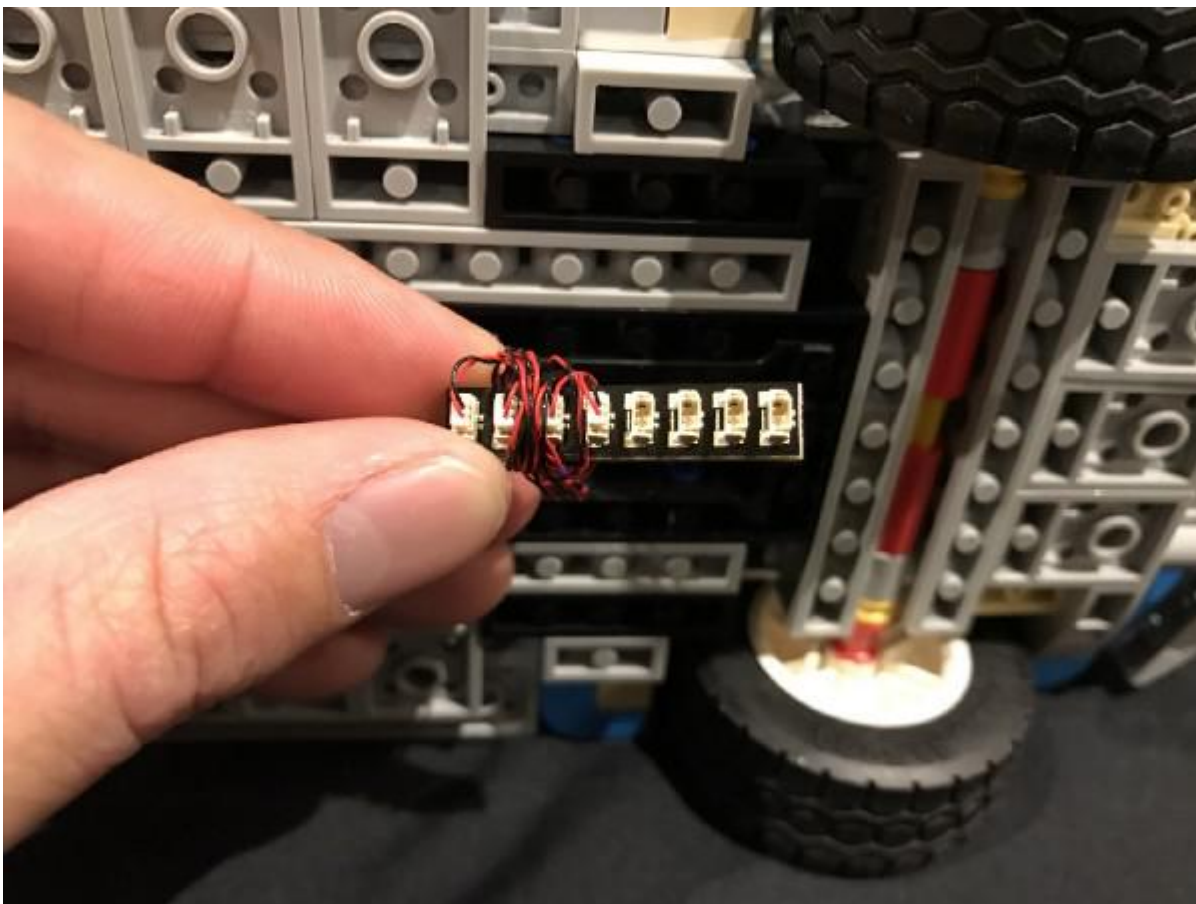
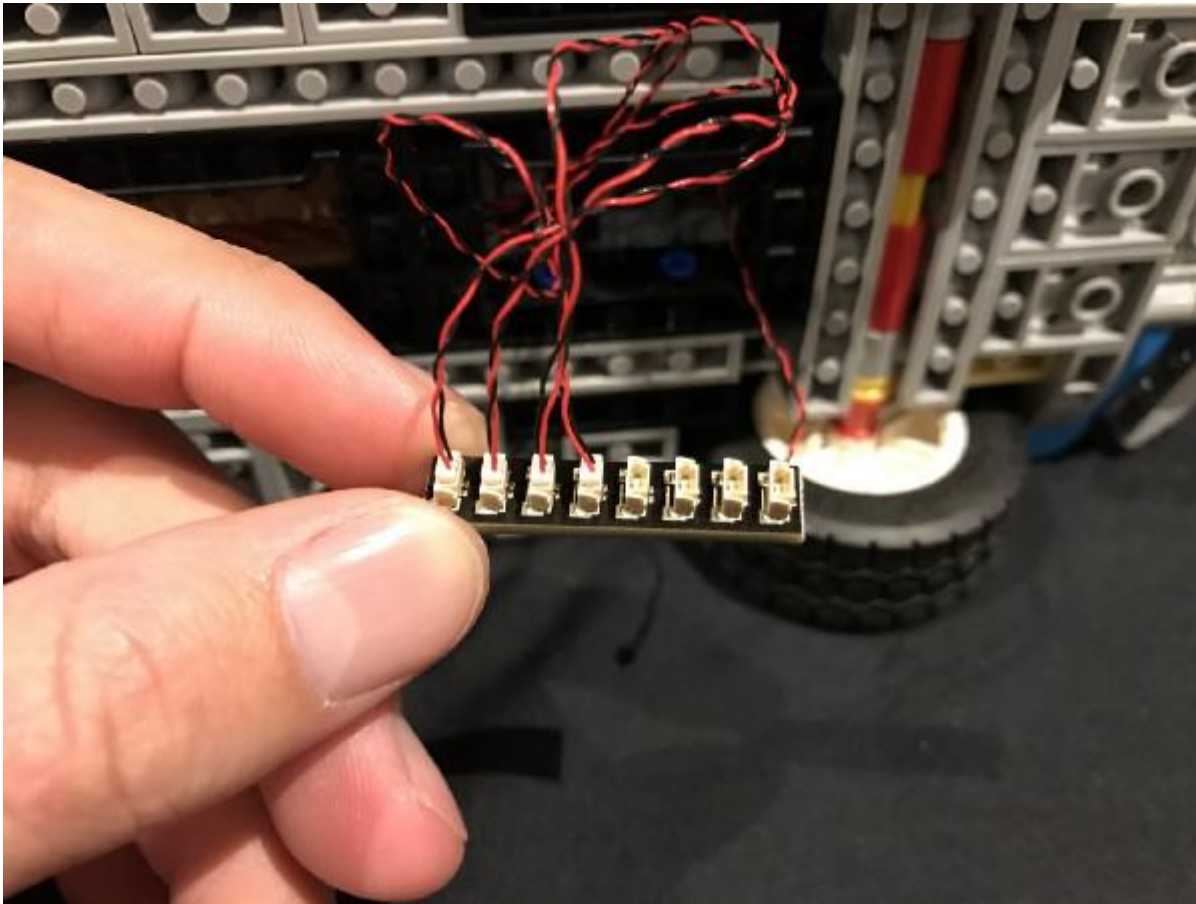


7. ) Place the tyre back inside and then close the bonnet.



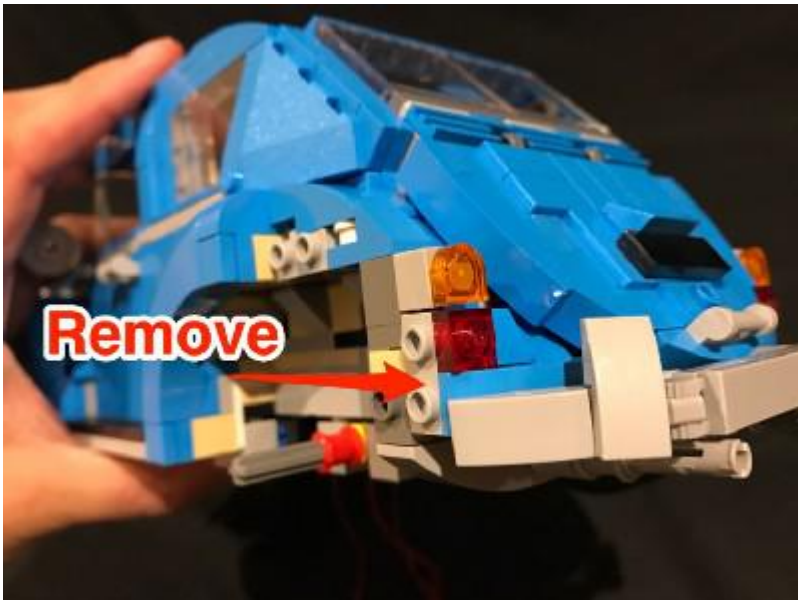
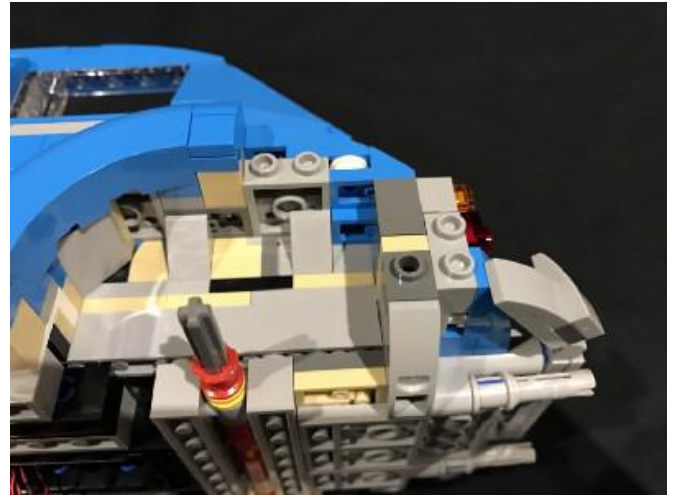
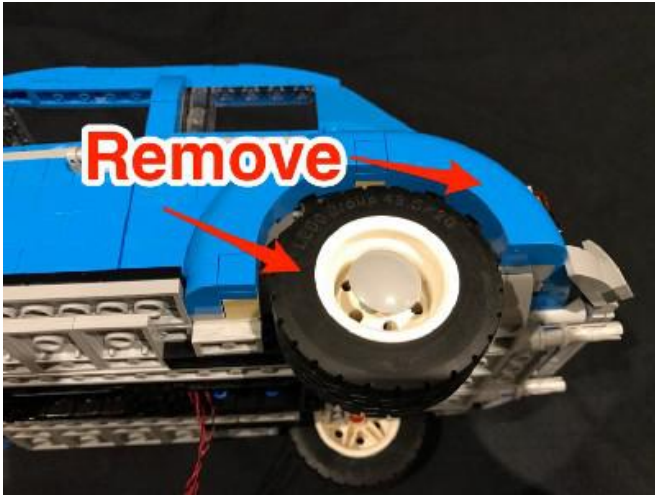


8. ) Take all 4 cables from underneath of the car and then connect them to the ports on the 8-port expansion board. To eliminate excess cables, wind the cables around the expansion board.



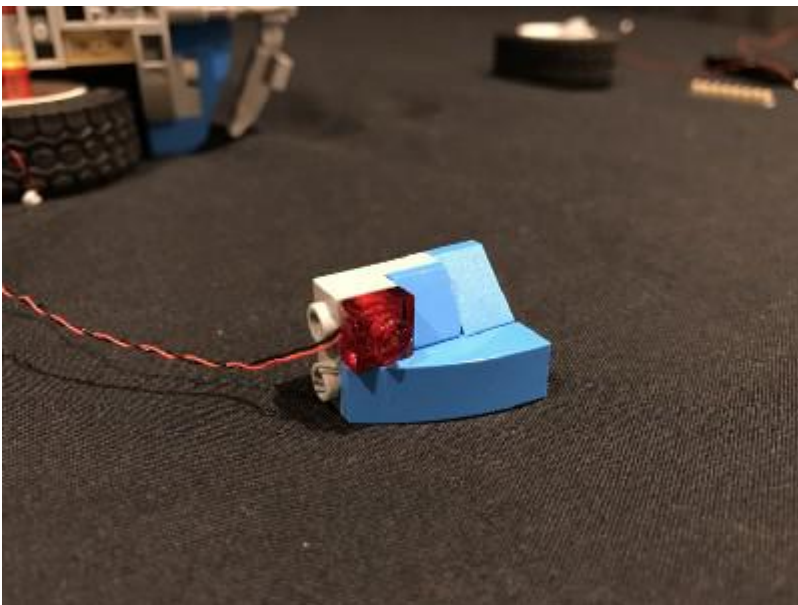
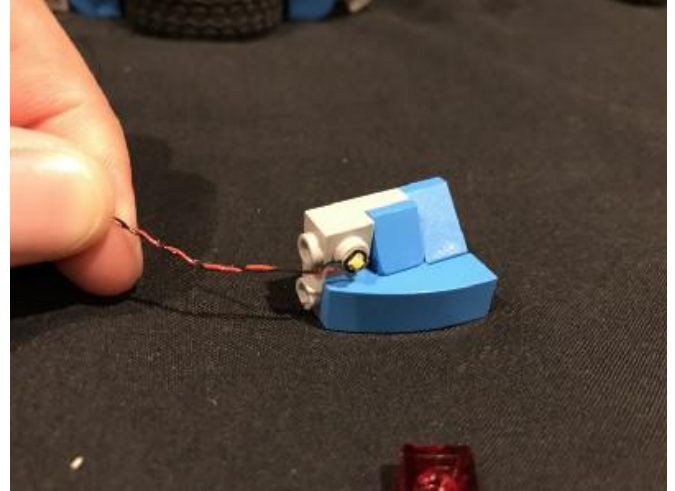
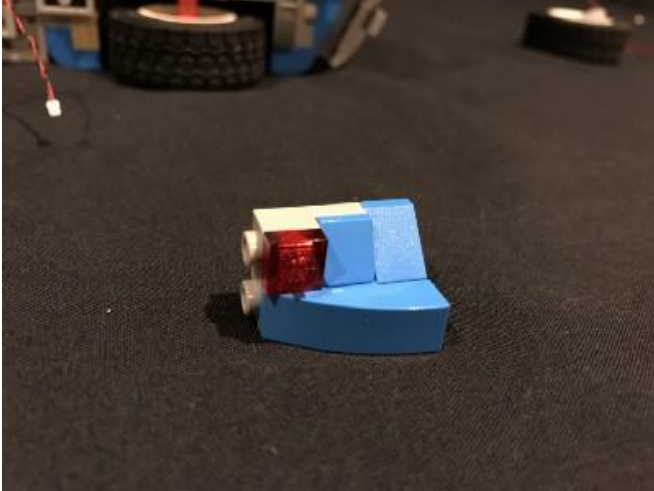
9.) We will now install the tail lights.

Start by removing the wheel, the blue LEGO piece on the right of the wheel, followed by the tail light section as per below.

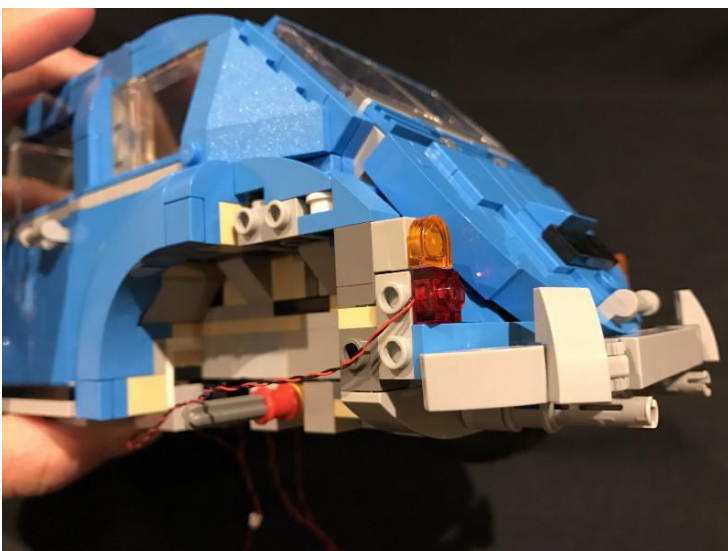


10.) Remove the original trans red tile and discard. We are unable to install a dot light underneath this particular tile as it is flat.

Take one dot light with 15cm cable and place the LED component directly over the top of the grey stud. Ensure the LED component is facing the correct way up and then secure it in place by connecting the trans red 1x1 plate (provided in this kit) directly over the top. Ensure the cable is facing toward the left, as pictured below.

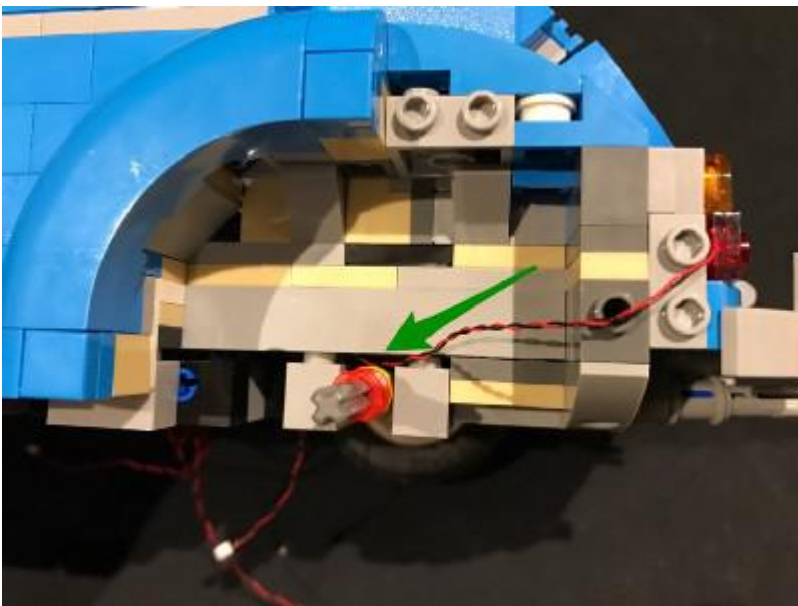
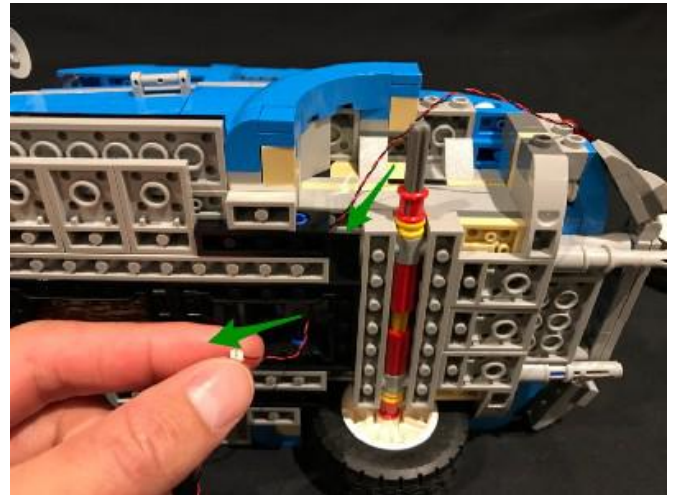
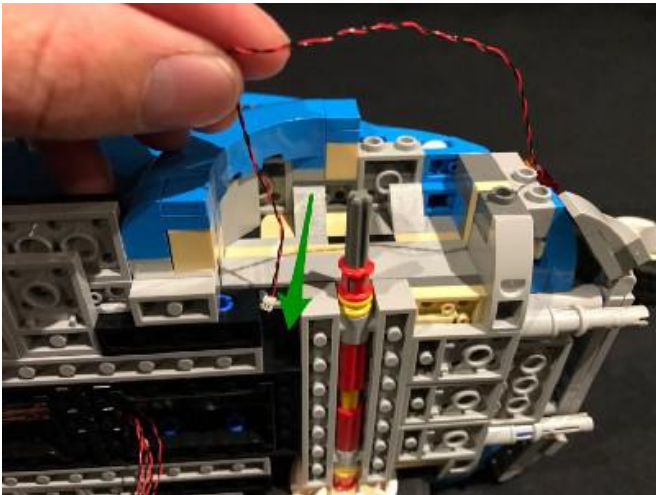


11.) Reconnect this tail light section with dot light installed back to the Beetle.

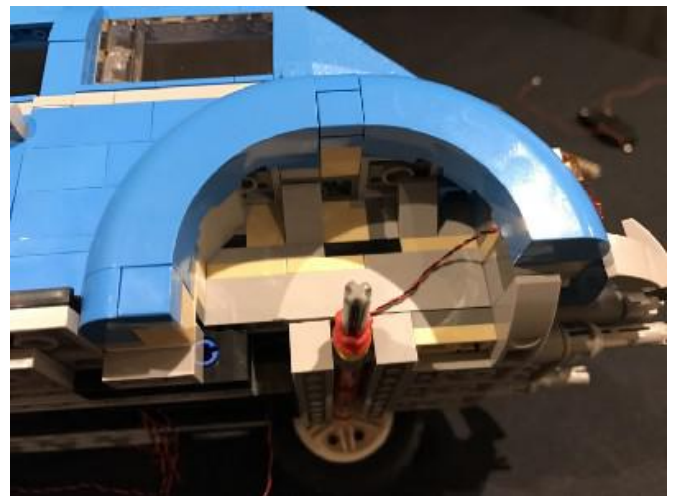
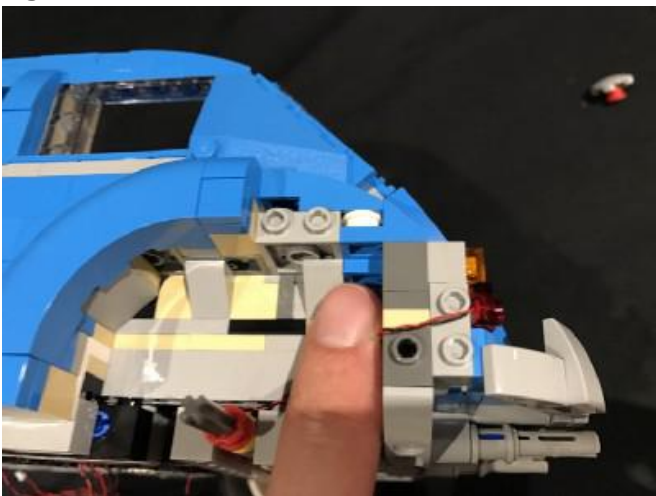


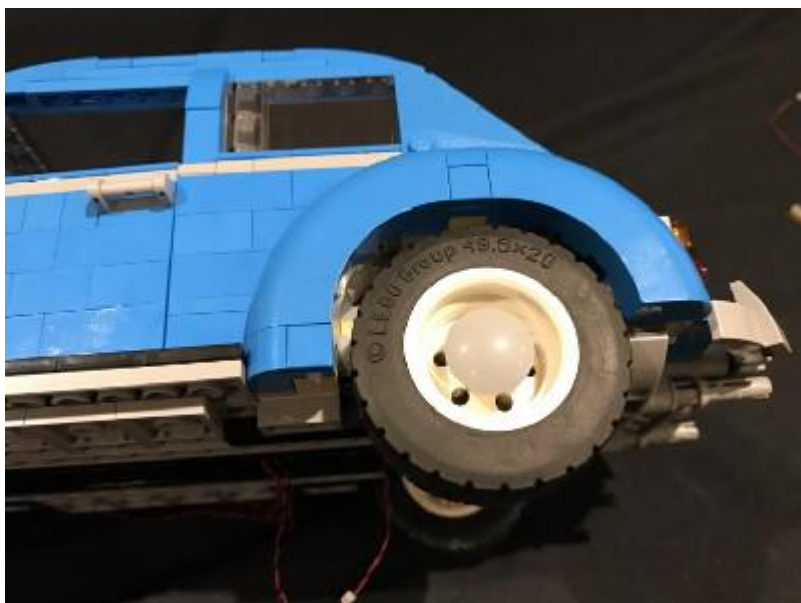


12. ) Thread the cable across and then inside the spacing between the black and grey bricks. Lift the grey bricks where the wheel axle is and then secure the cable in place by reconnecting the grey bricks back over the top.

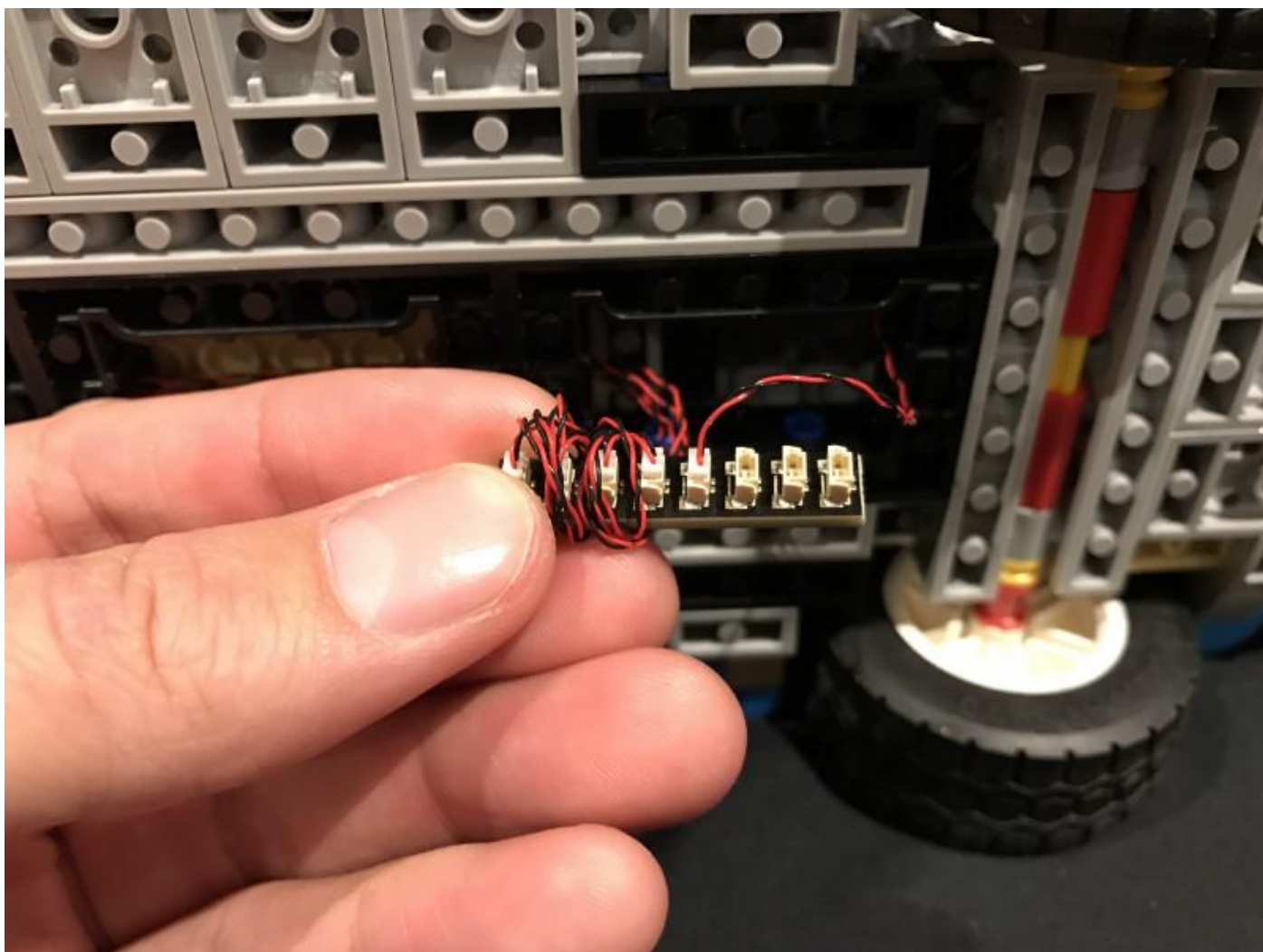


13. ) Ensure the cable is laid between studs before then reconnecting the wheel and blue piece on the right of the wheel.



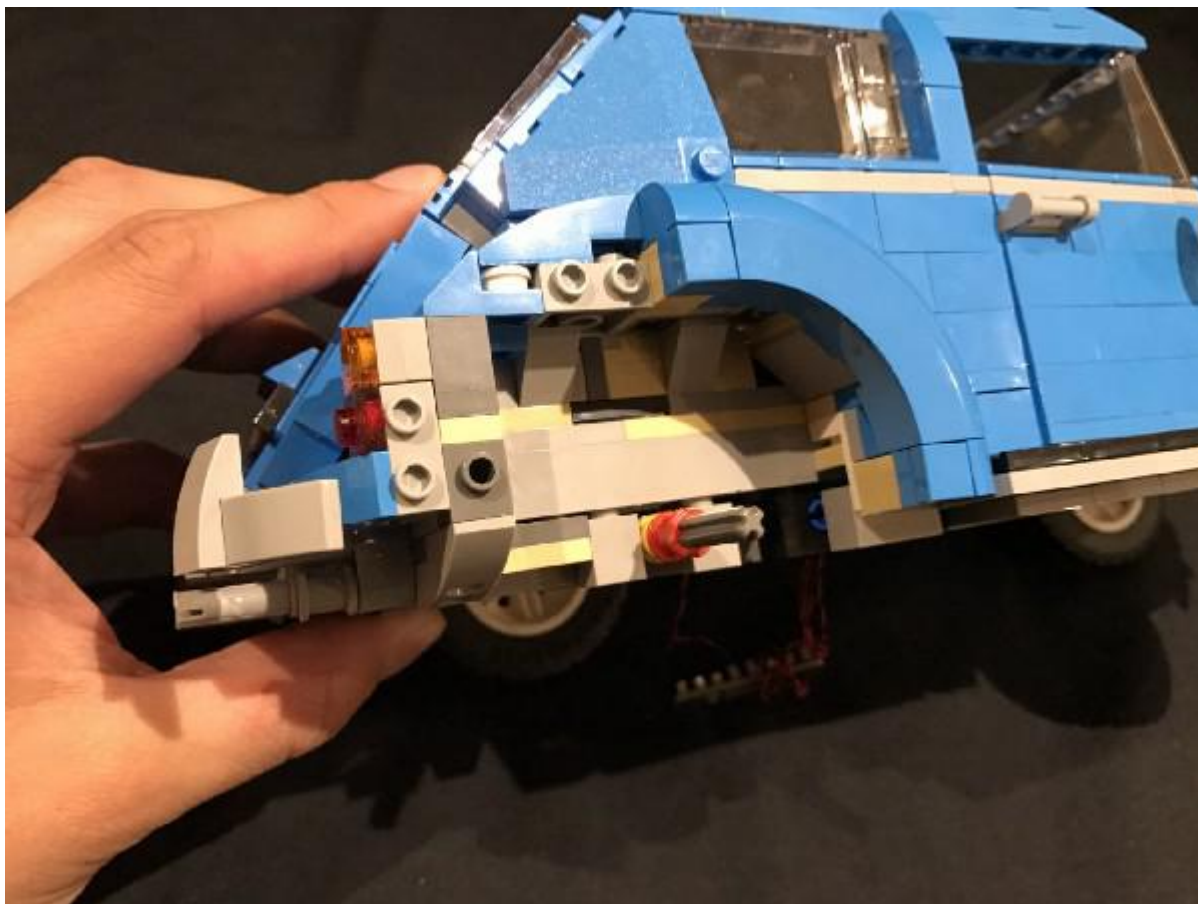


14. ) Pull the cable from the tail light down from underneath the car and then connect this to the next available port on the expansion board.

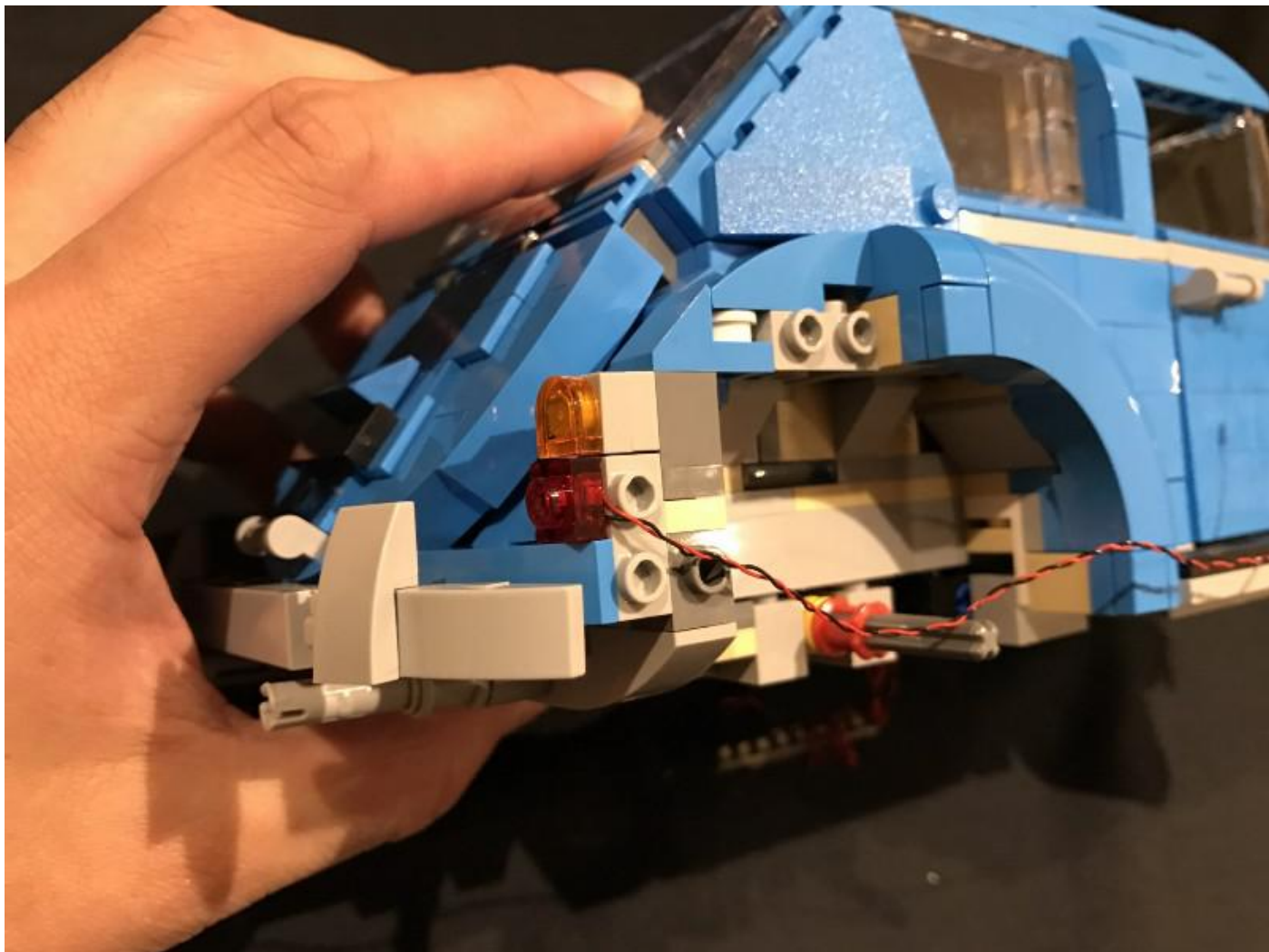




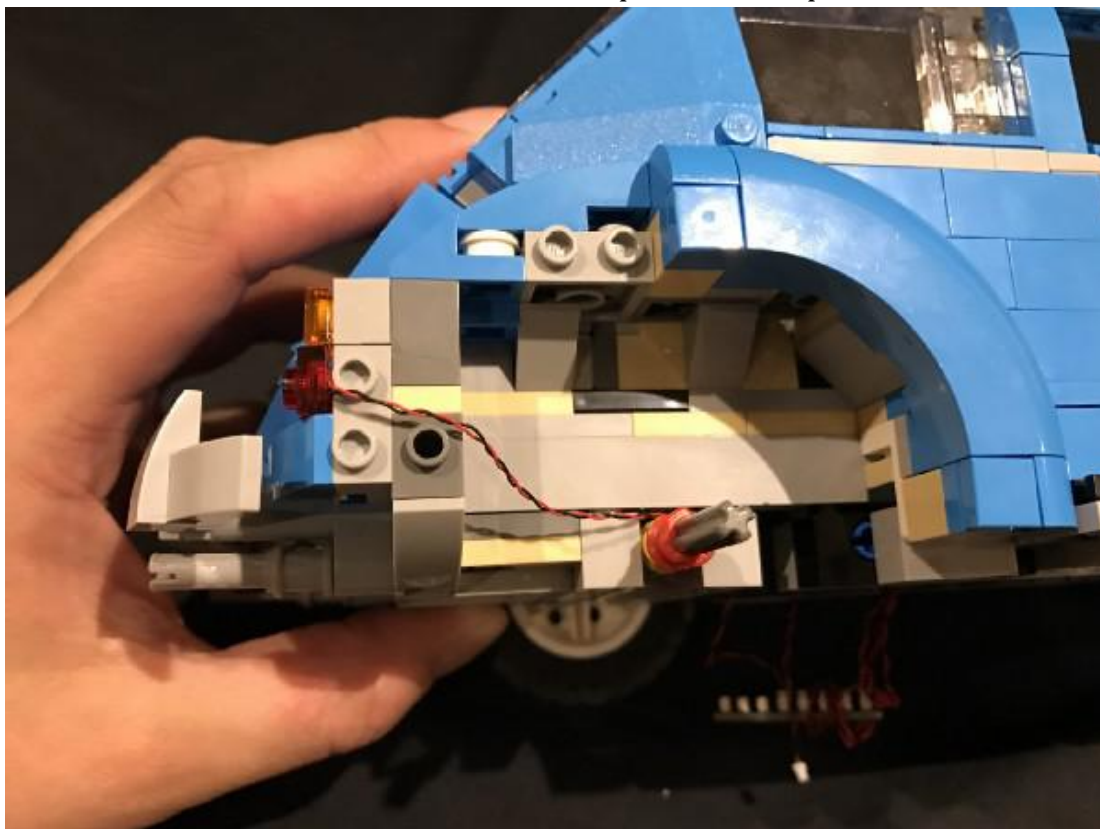
15. ) Turn the car over and then follow the previous steps to install another dot light to the right tail light.

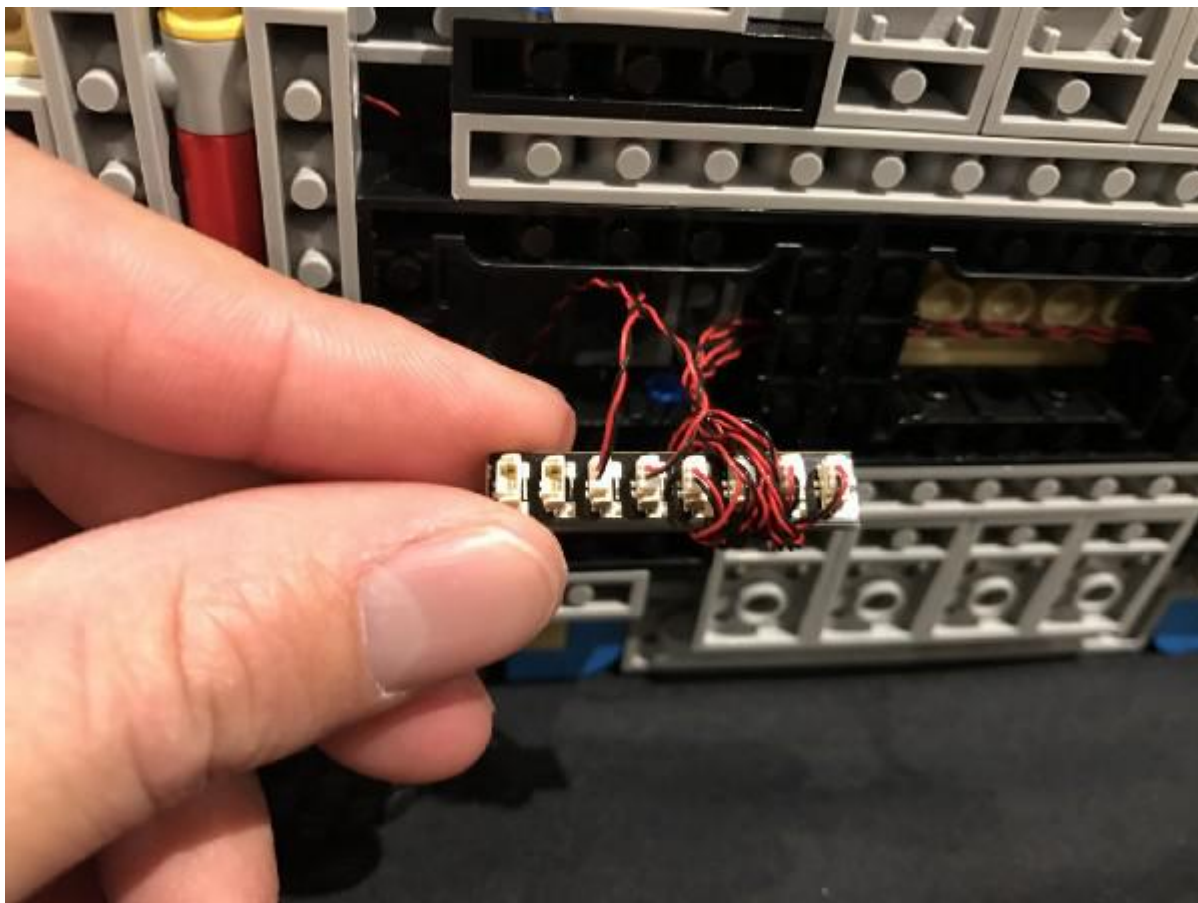




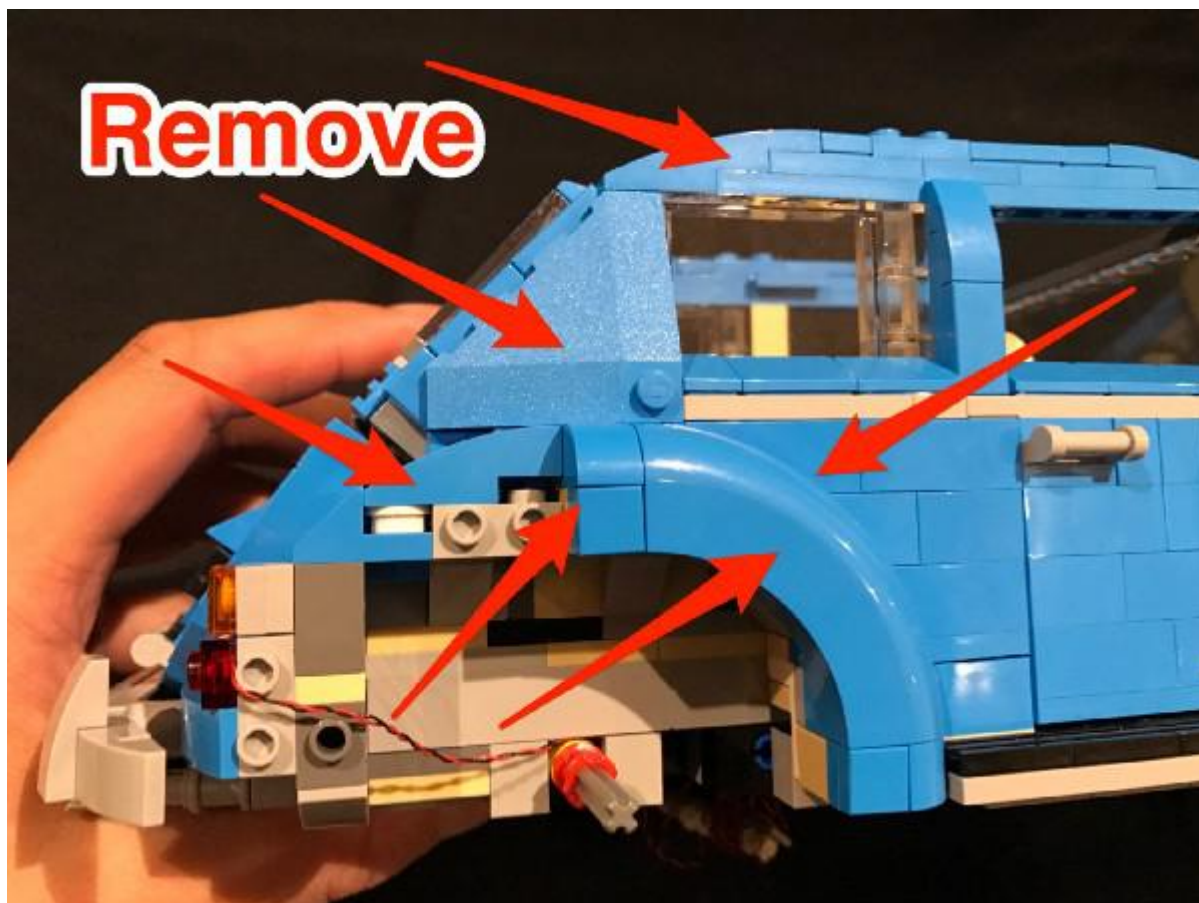


16. ) Thread the cable underneath the wheel axle like we did for the tail light on the other side, and then connect the cable into the next available port on the expansion board.

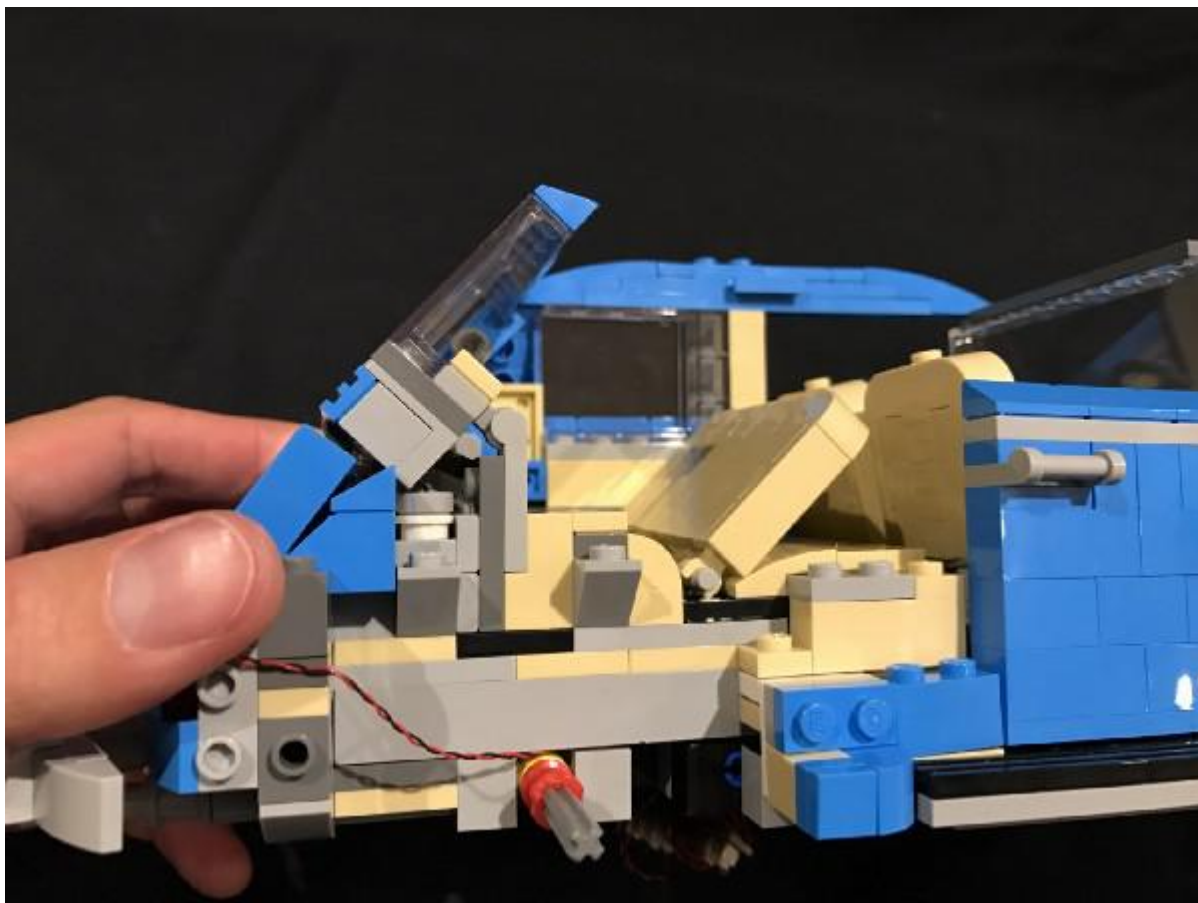




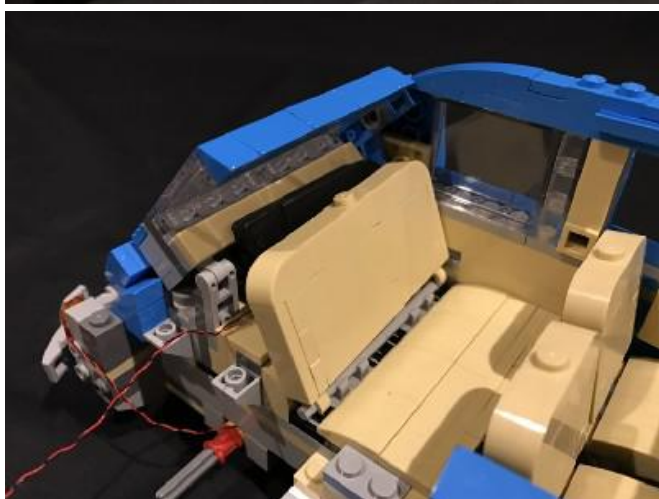
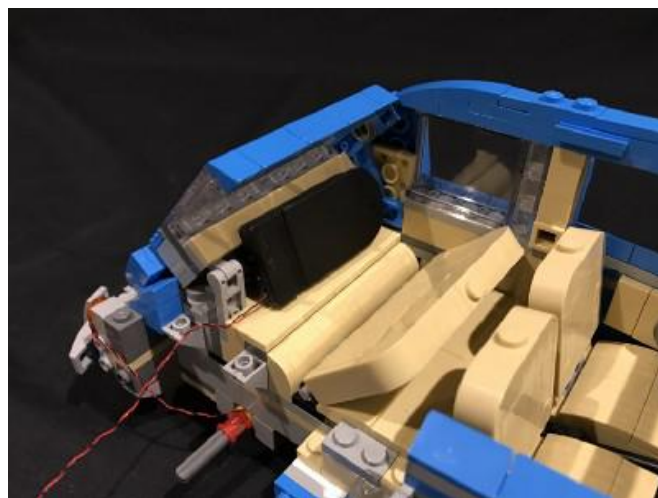
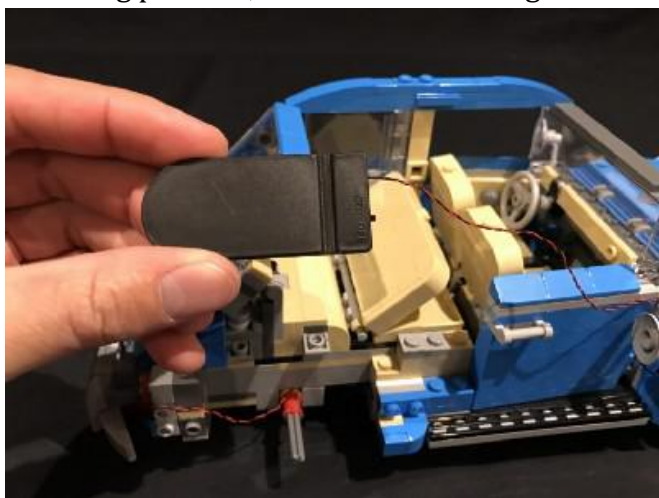
17.) Before we reconnect the wheel, remove the following pieces which make up the right back door.





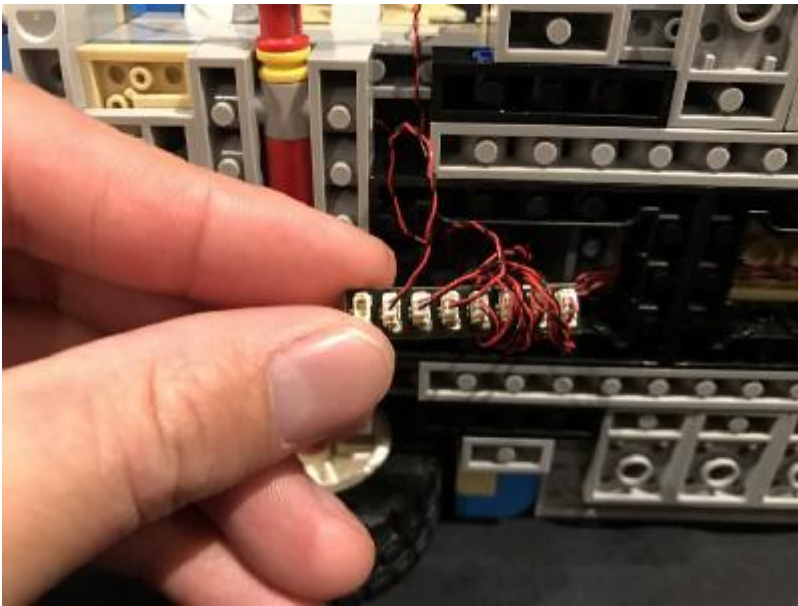
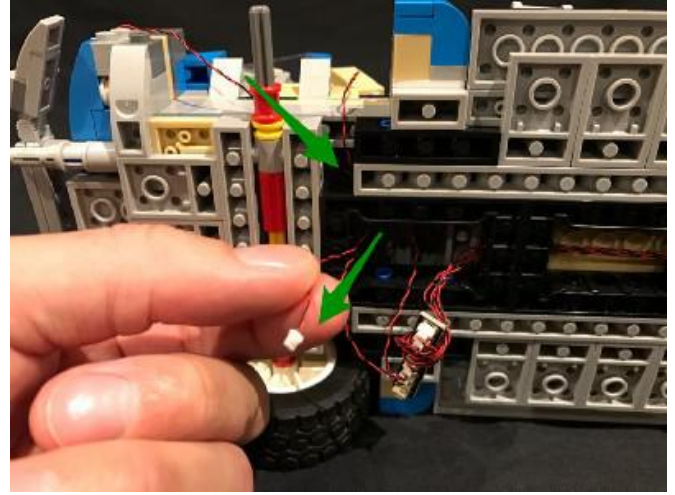
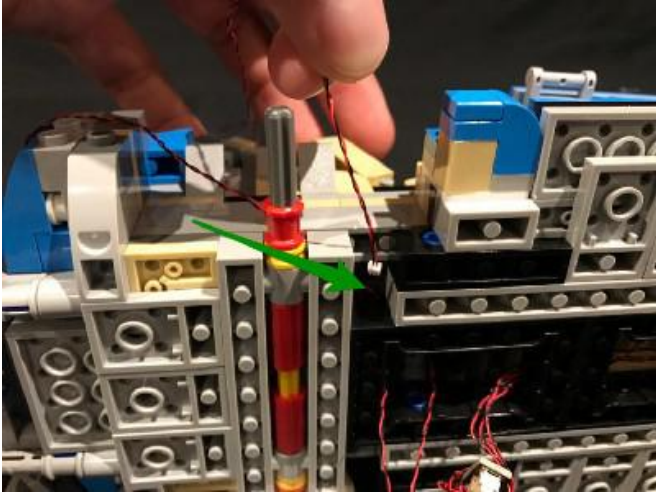


18.) Take the flat battery pack and insert 2x CR2032 batteries to it. Place it behind the back seat in the following position, with the cable facing the same way.

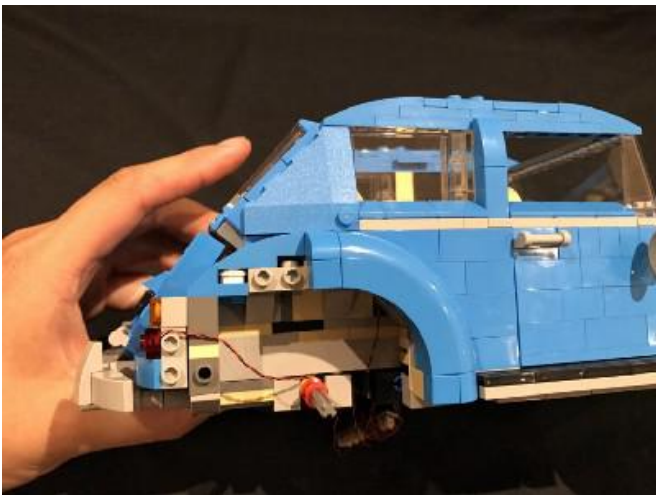




19.) Thread the cable down the side and then underneath the car through the same spacing where we threaded the tail light. Connect the cable to the next available port on the expansion board.

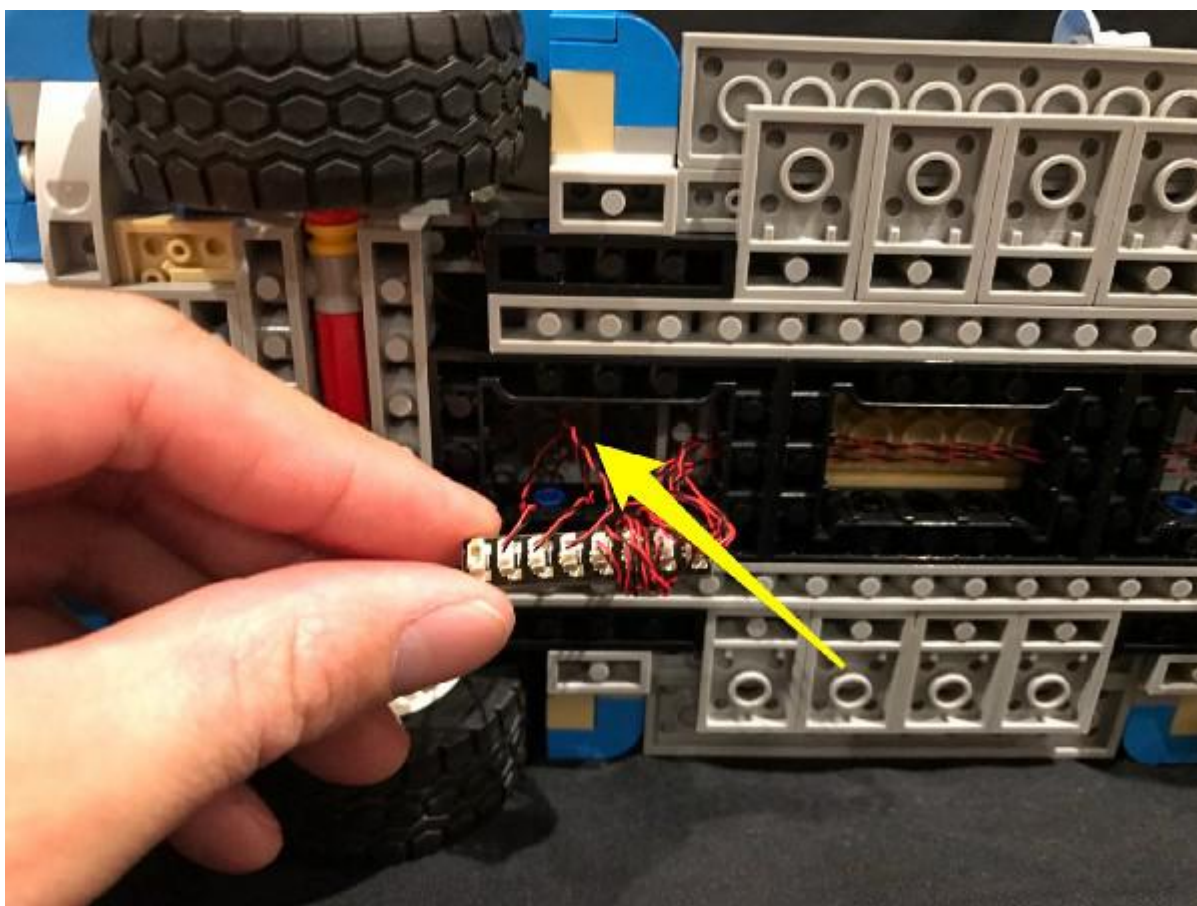


20.) Reconnect the pieces we removed which make up the right back door and then reconnect the wheel and surrounding pieces.

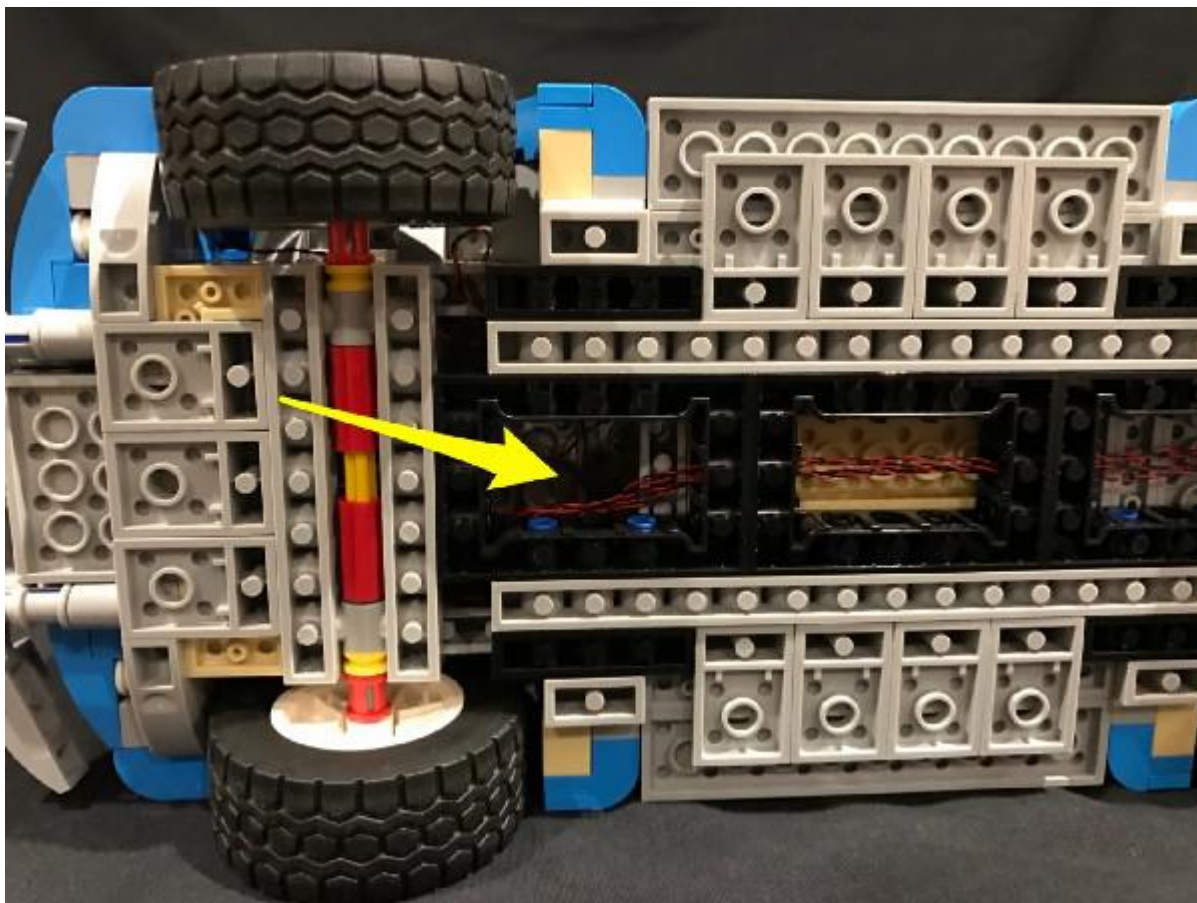




21.) Wind any remaining excess cables around the expansion board and then tuck everything in underneath the car in the following space.







22.) This now completes installation of your VW Beetle LED Light kit. All you need to do now is turn on the battery pack and ENJOY!

