Technic™ Land Rover Defender 42110 Basic Version Lighting Kit

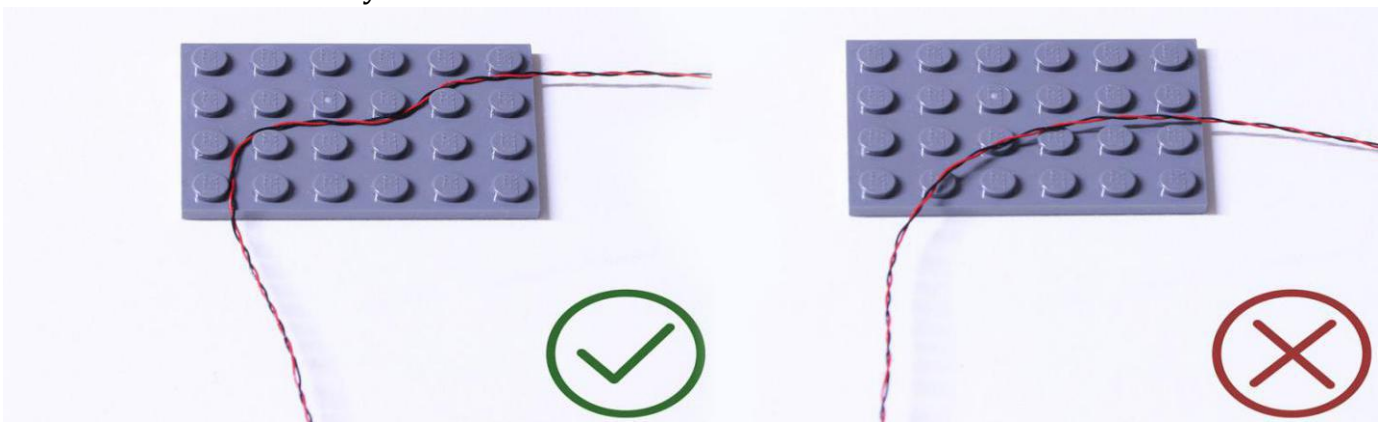
Package contents:

- 2 x 15cm Warm White Dot Lights
- 2 x 30cm Warm White Dot Lights
- 2 x 15cm Warm White Lights
- 2 x Warm White Strip Lights
- 2 x 15cm Connecting Cables
- 1 x 30cm Connecting Cable
- 1 x 6-port Expansion Board
- 1 x 8-port Expansion Board
- 1 x AAA Battery Pack

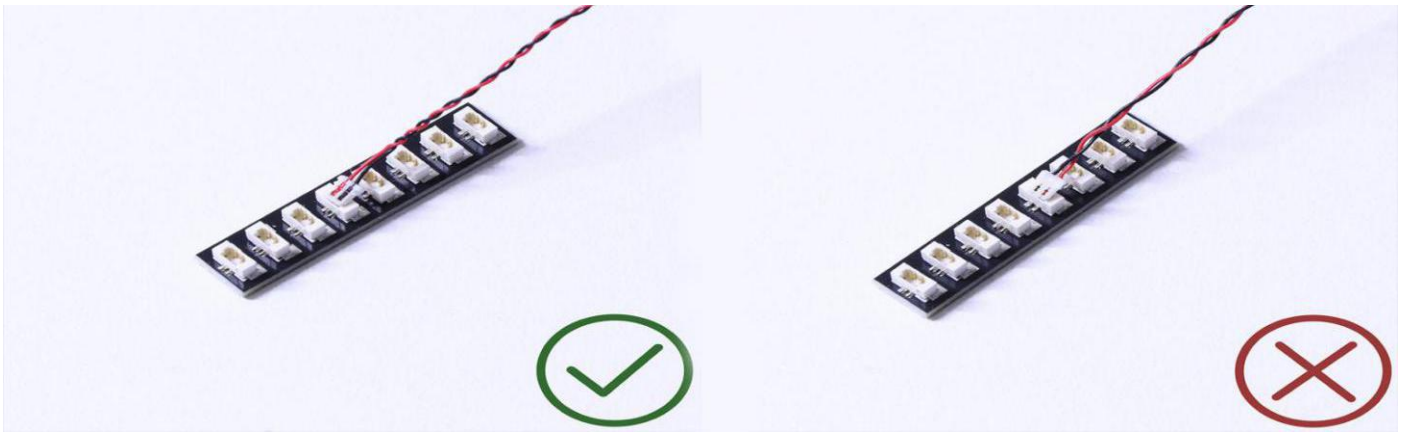
Extra LEGO pieces

Note:

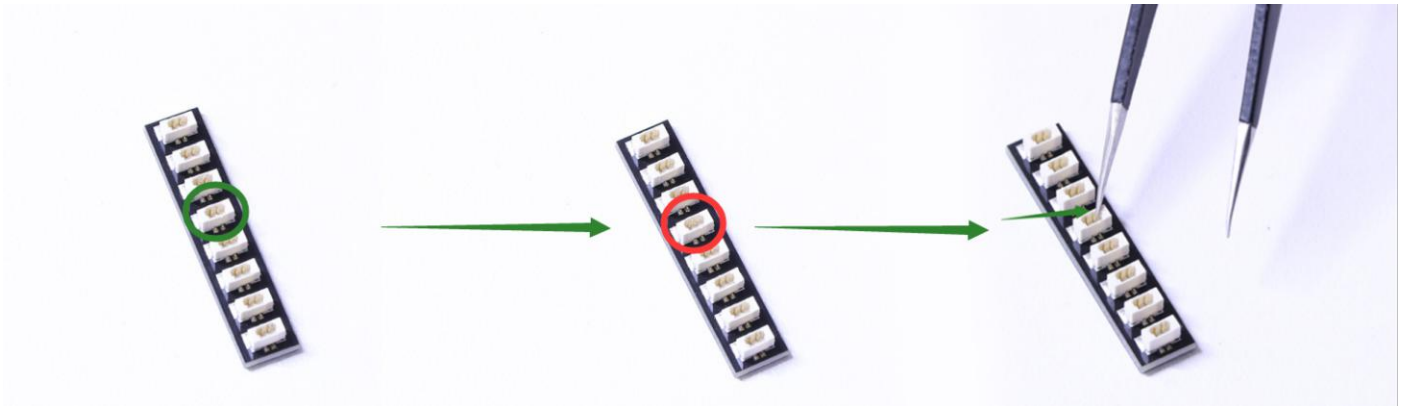
Place wires on the surface or under the LEGO building blocks.
The wire can be place between the building blocks or under the block, but they should be placed between the studs correctly.



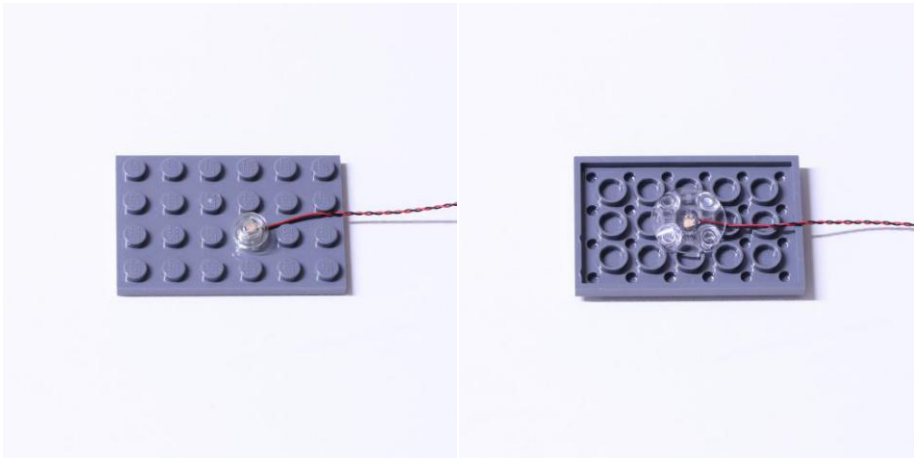
Insert the connectors to the ports.
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and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

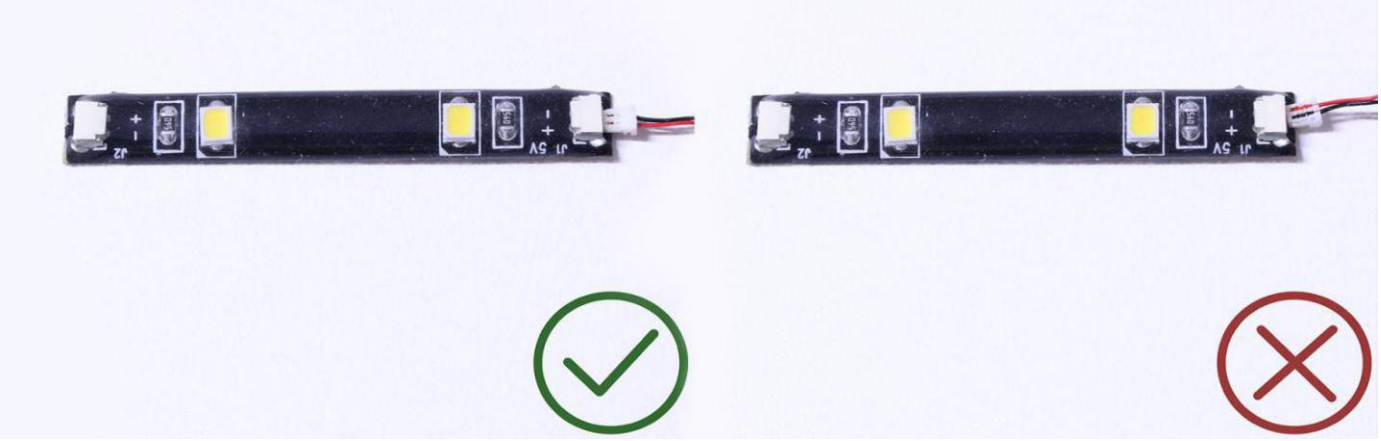


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put they either on the top of the studs or between studs.

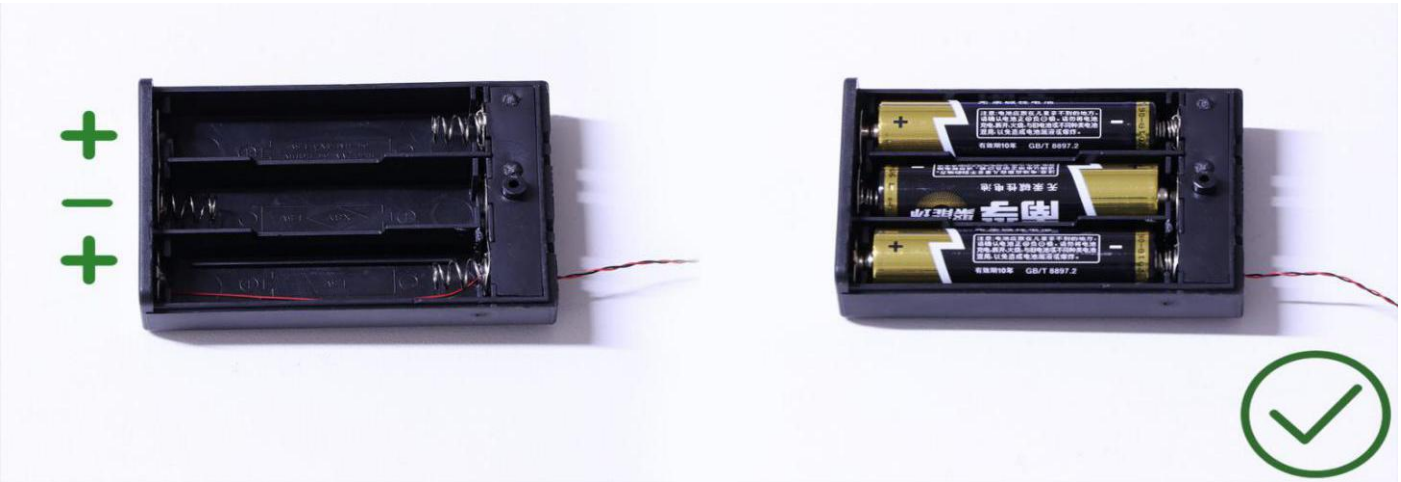


Connecting cable connectors to Strip Lights

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.



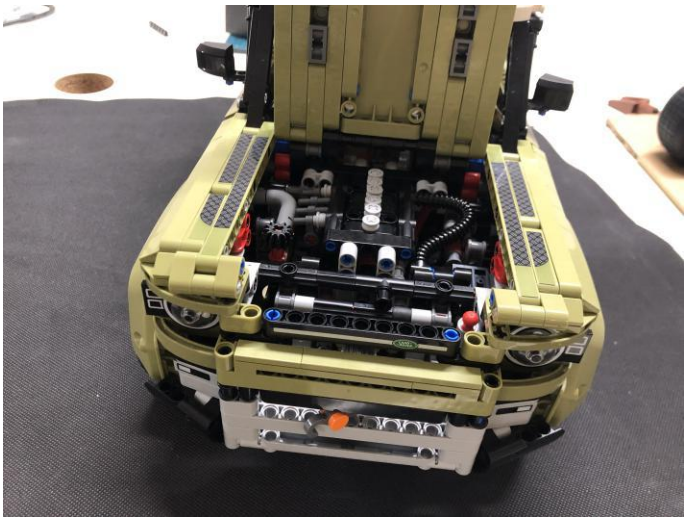
Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.



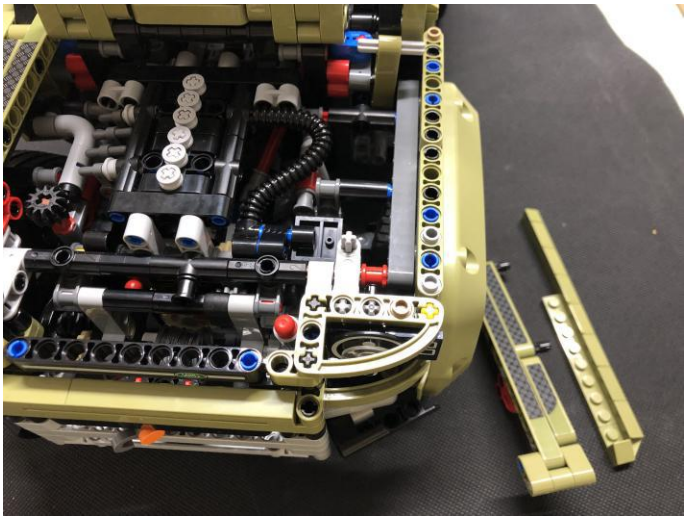
Instructions for installing this kit:

OK, Let’s Begin!

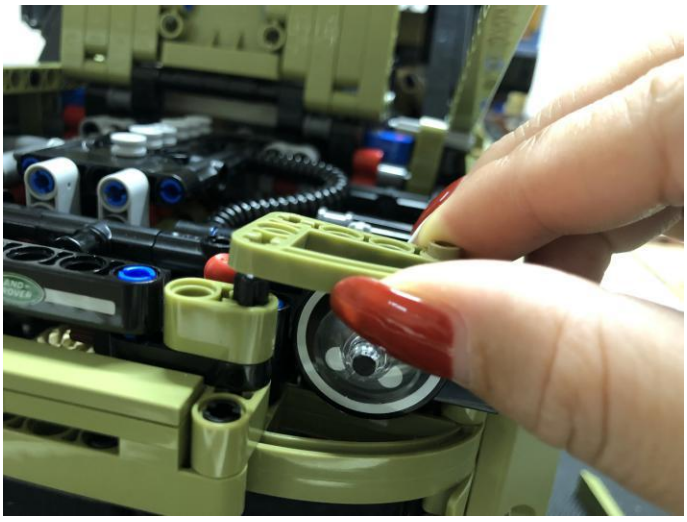
Start from installing the headlights, open the engine lid

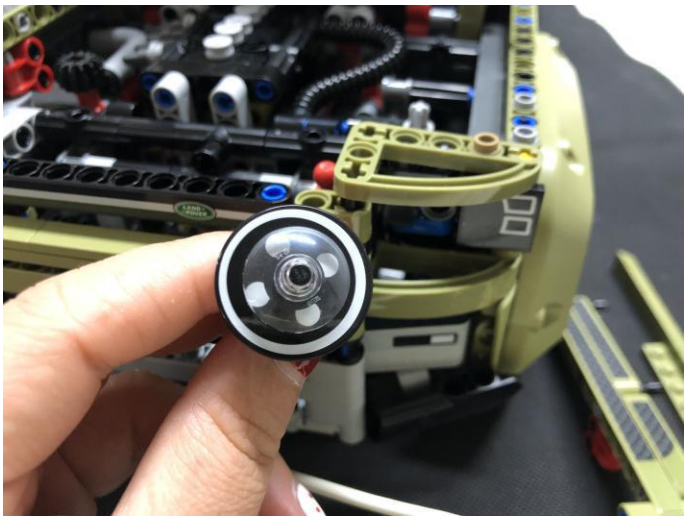


Remove the following pieces

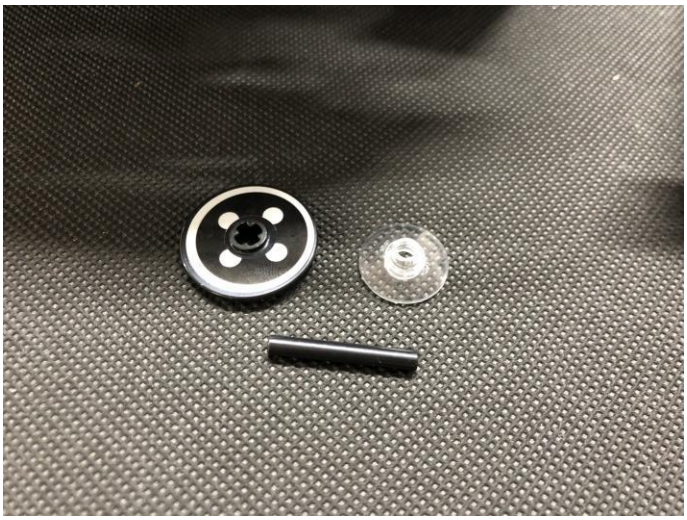


Lift the following piece, remove the headlights



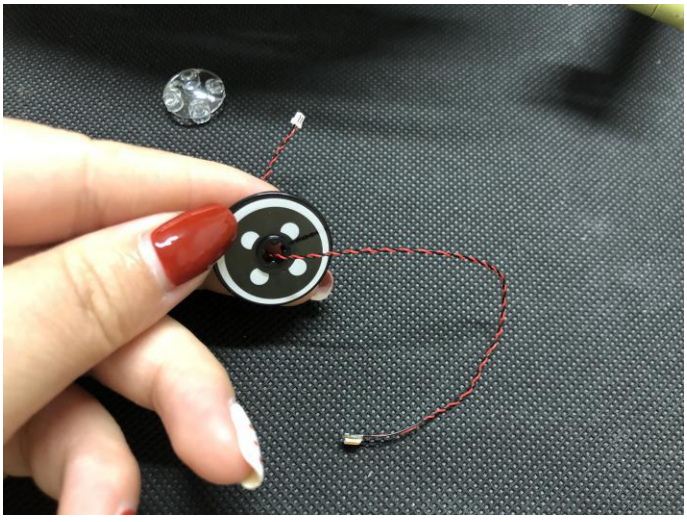


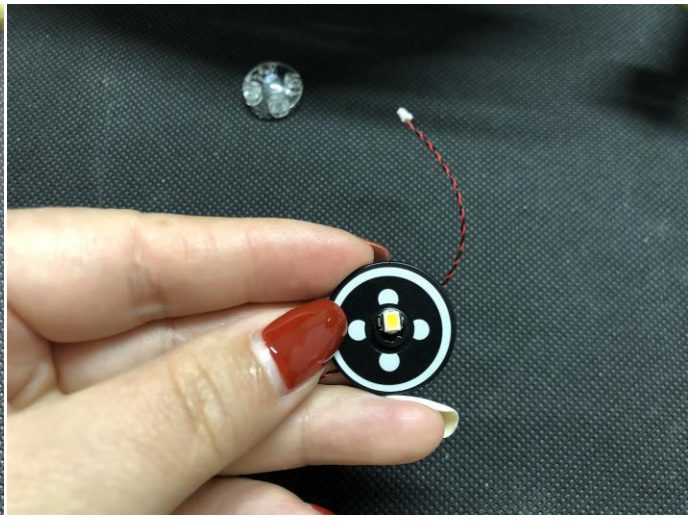
Disassemble the headlights as per below



Take a warm white 15cm light, a trans 2x2 round plate

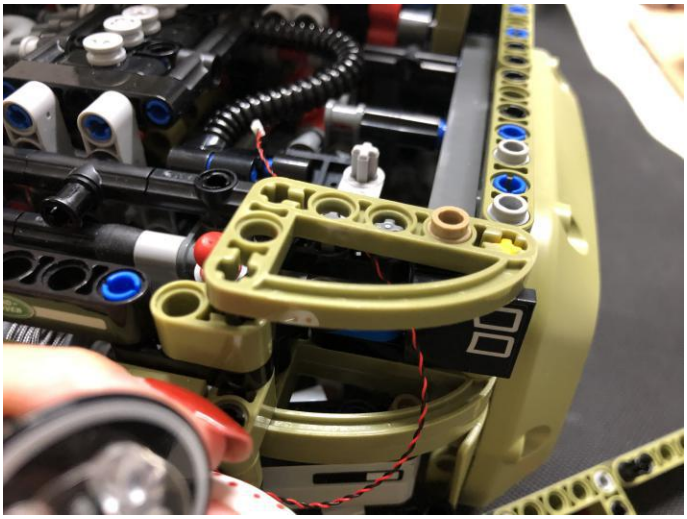
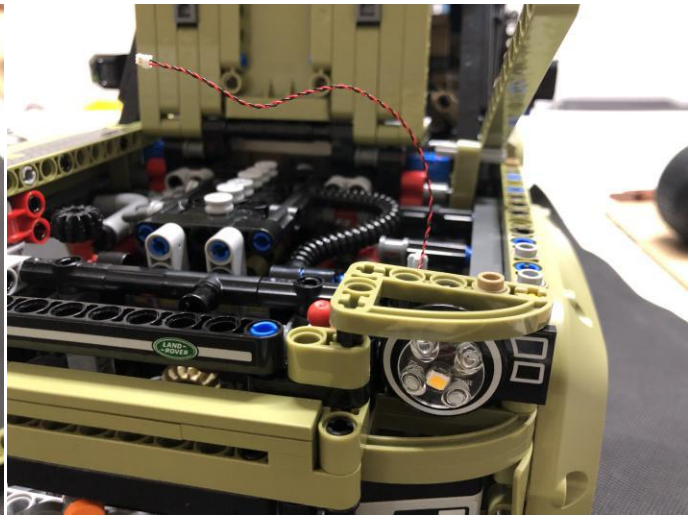
Thread the light through the hole at the middle of the black round plate, pull the cable out till the light is placed at the middle



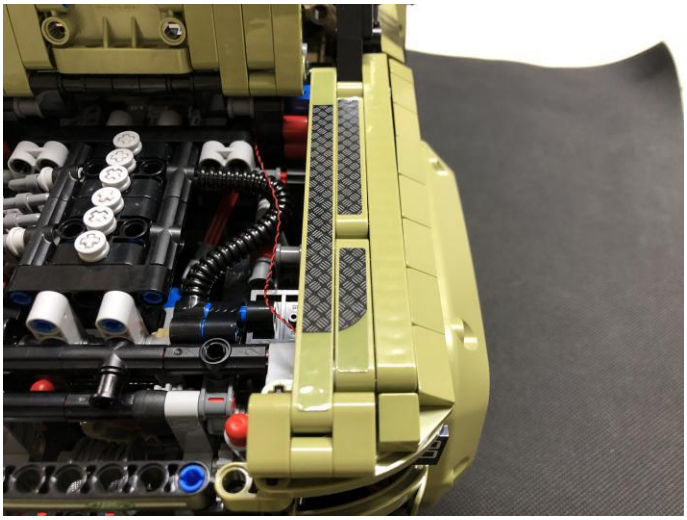


Take a trans round 2x2 plate, secure the light with it, reconnect the black stick

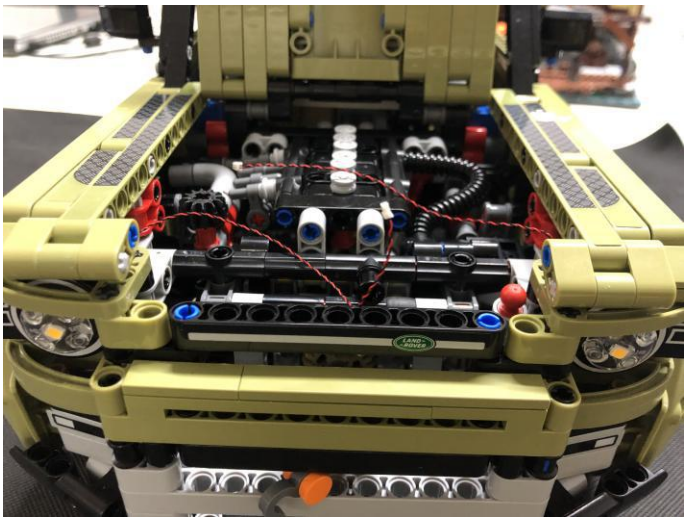
Thread the light through the following space, reconnect the headlight

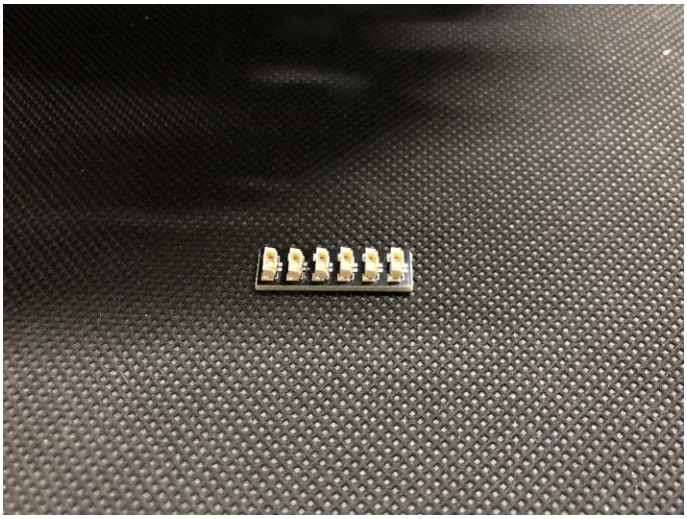
Reconnect the other pieces we removed before

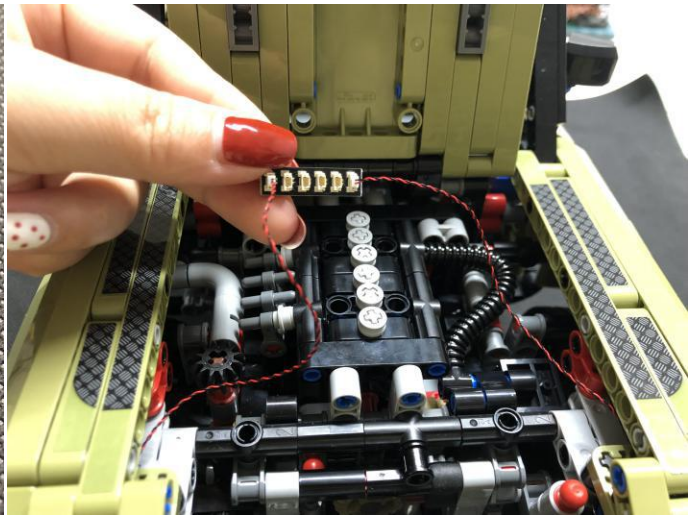


Take another 15cm light, a trans round 2x2 plate, repeat the steps above to install the headlight at the other side

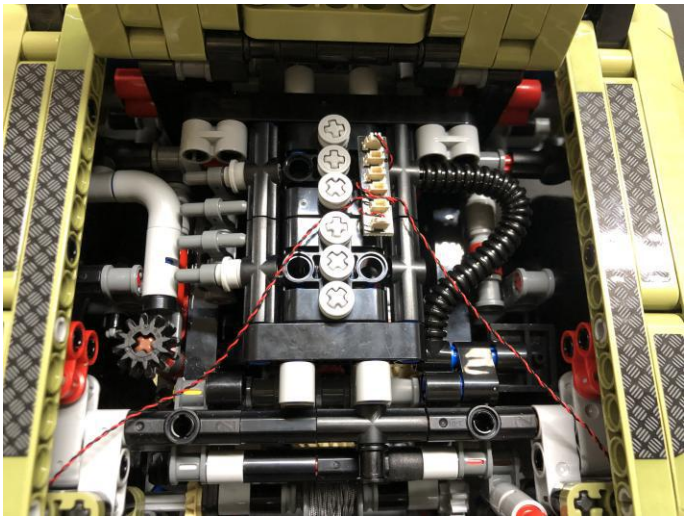


Take a 6-port expansion board, connect the cables of the headlights to it

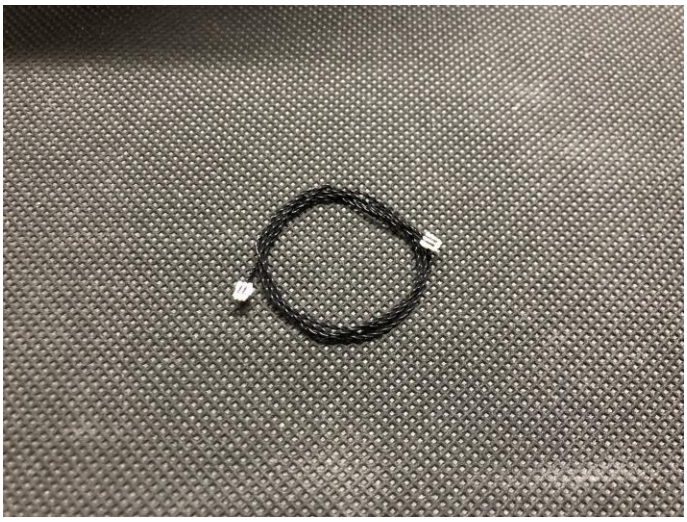


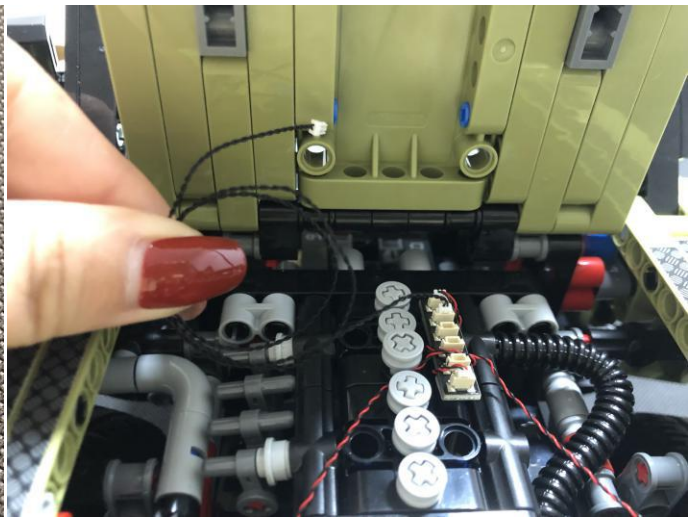


Stick the expansion board to the following place with the adhesive square

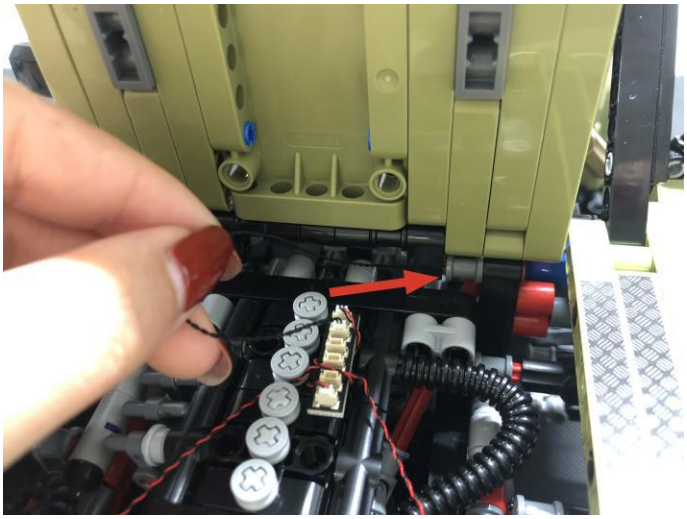


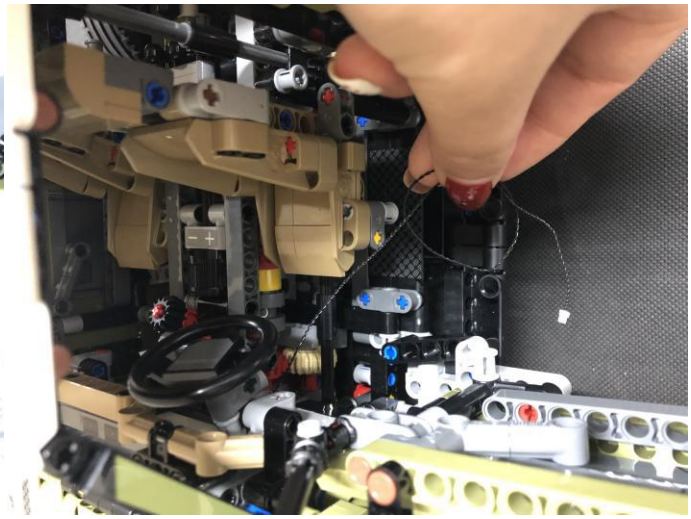
Take a 30cm connecting cable, connect it to the expansion board as per below



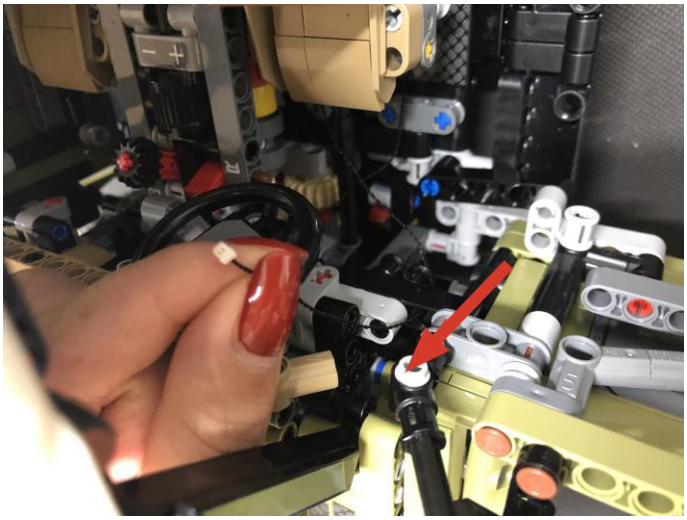


Thread the cable through the following space, pull it out from the driver’ s seat

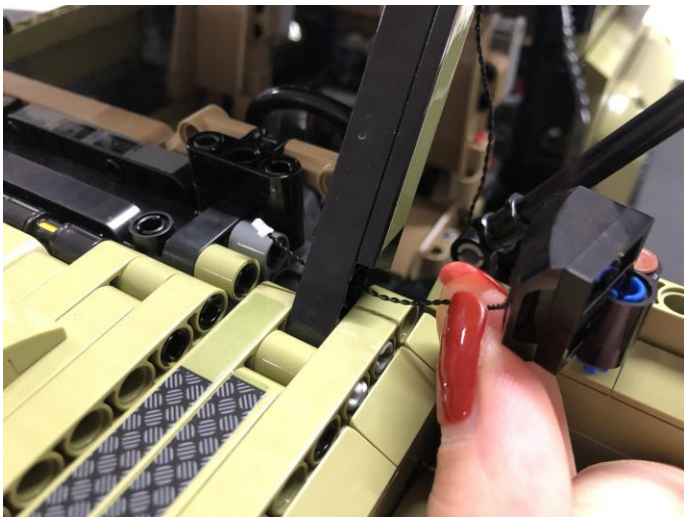




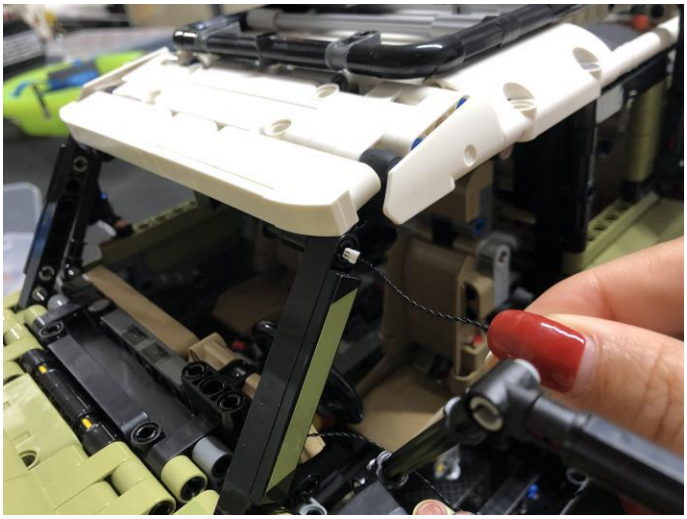
Continue to thread it through the following space

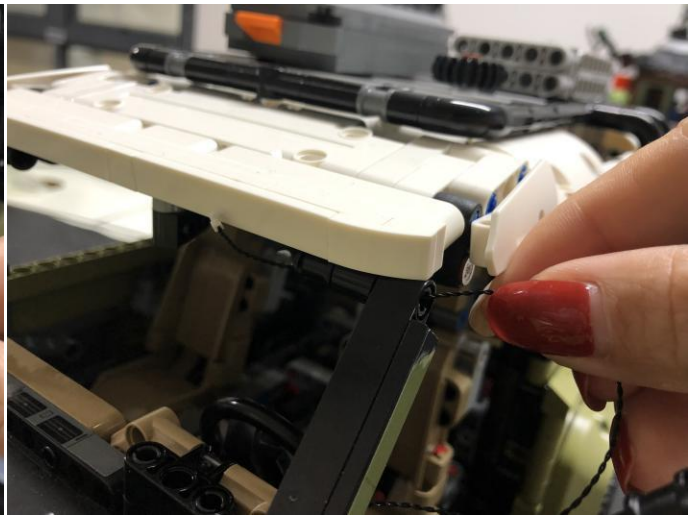


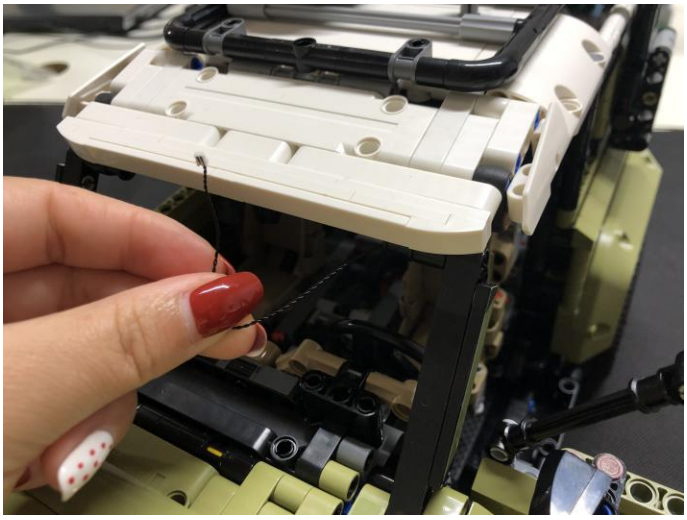
Pull it alongside the rearview mirror



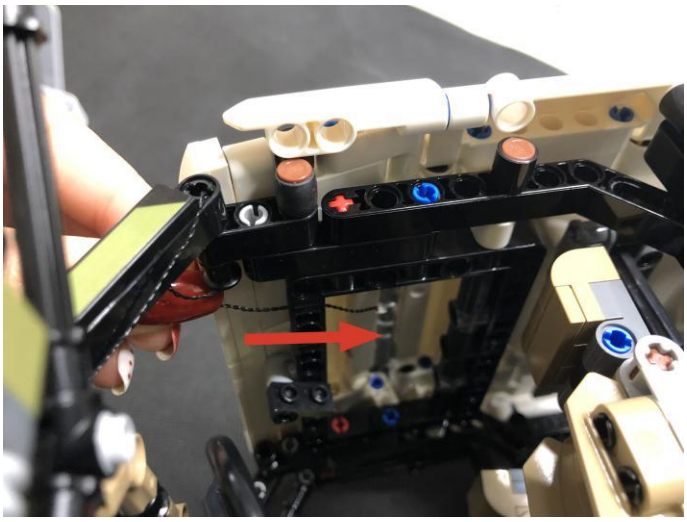
Place it alongside the window as per below



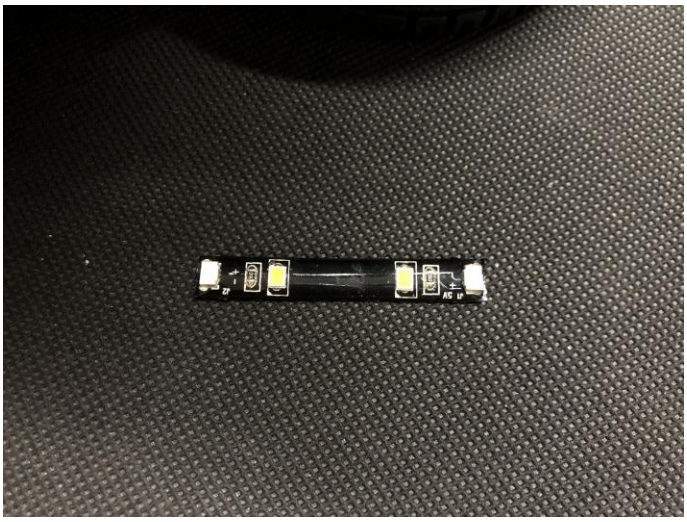


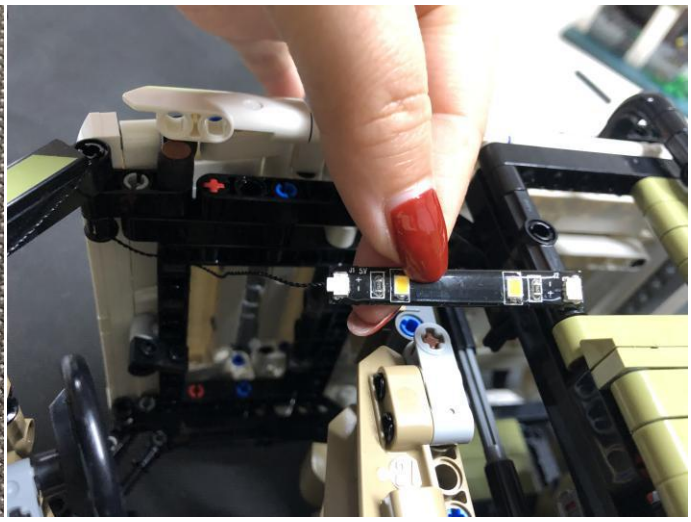


Thread the cable through the hole of the piece above the front seat

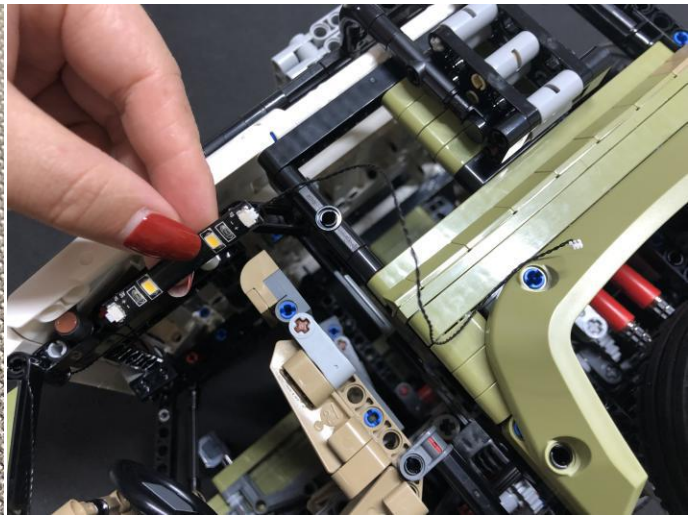


Take a warm white strip light, connect the cable from the roof to the left port on the strip light

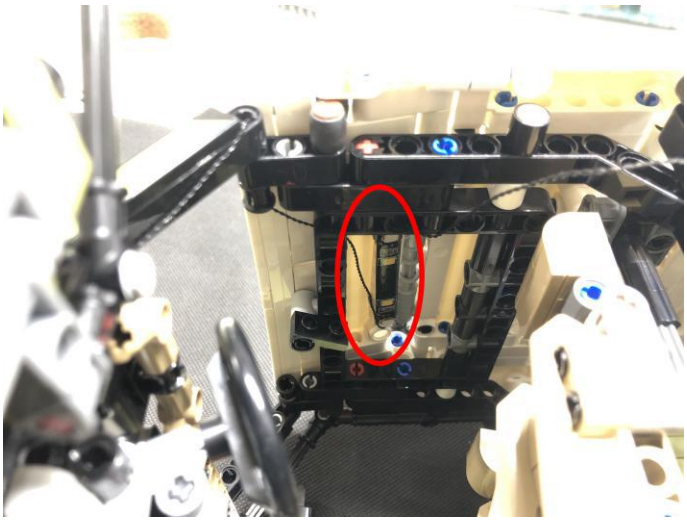




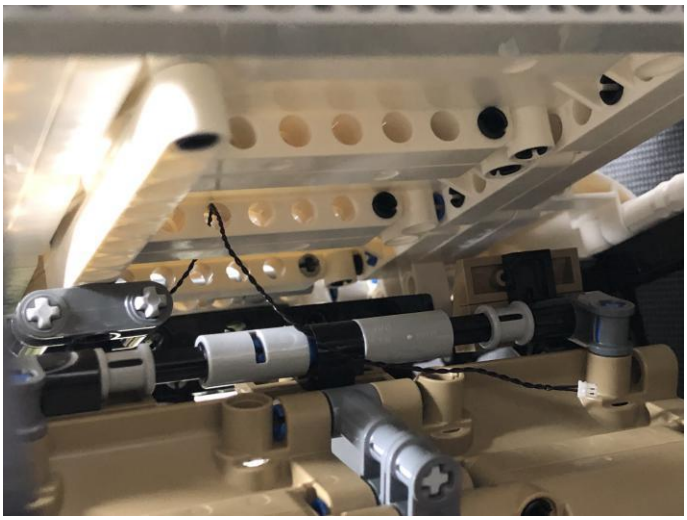
Take a 15cm connecting cable, connect it to the right port of the strip light

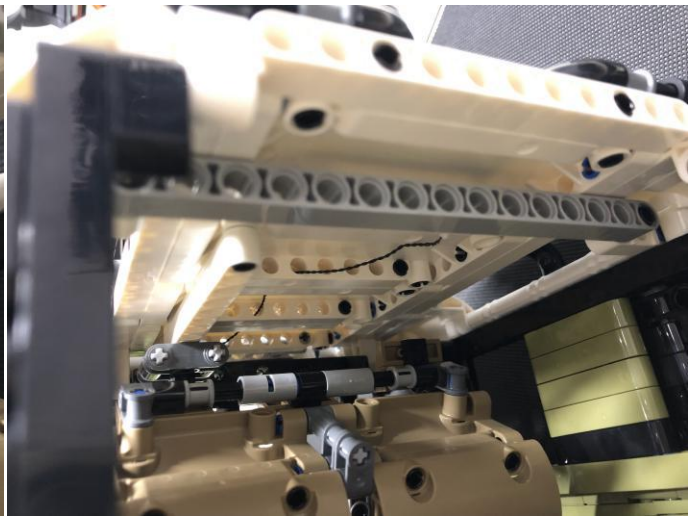


Stick the strip light to roof of the front seat as per below

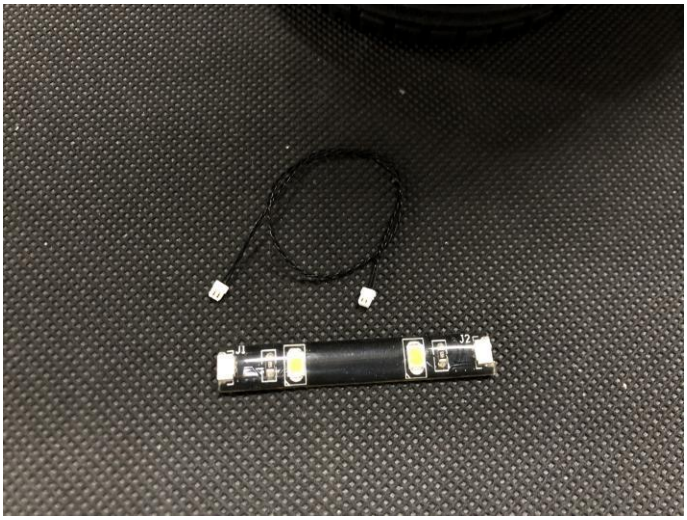


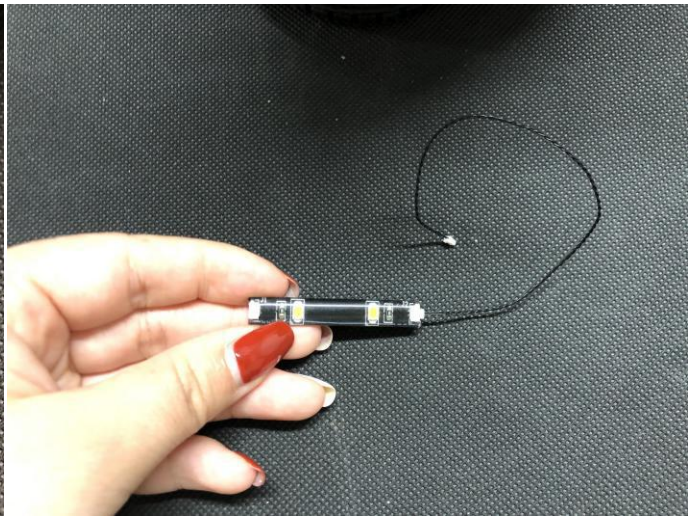
Thread the cable from the right port of the strip light through the holes at the roof, and pull it backward



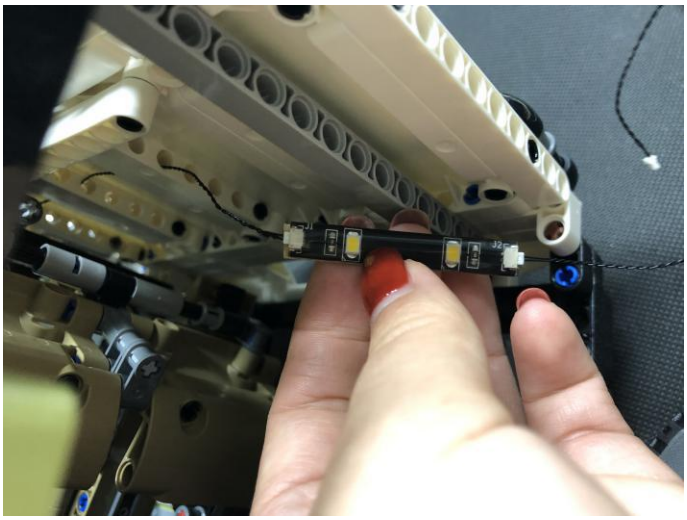


Take a 15cm connecting cable, a warm white strip light, connect the cable to the strip light as per below

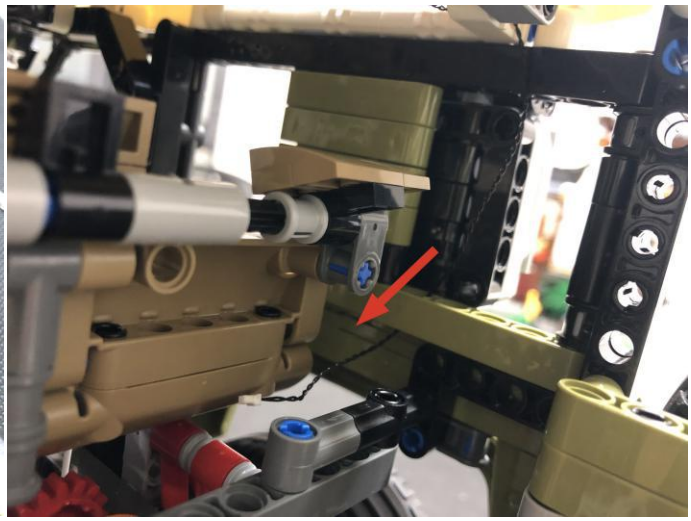




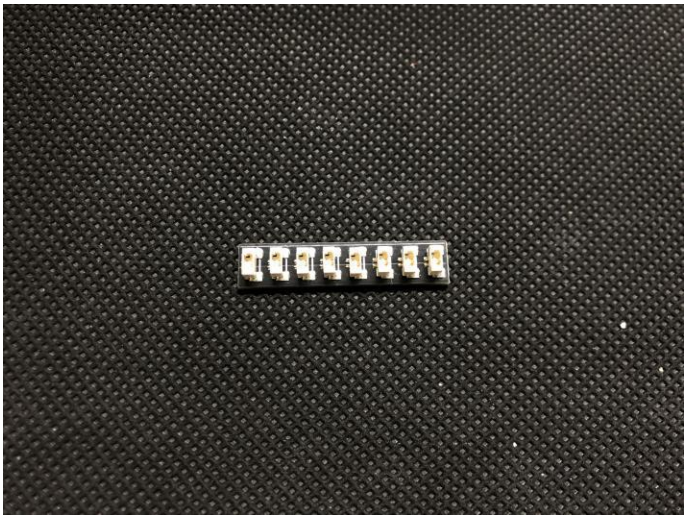
Connect the cable from the roof to the left port of the strip light, stick the strip light to the roof



Thread the connecting cable from the strip light through the following hole, and pull it backward to the trunk

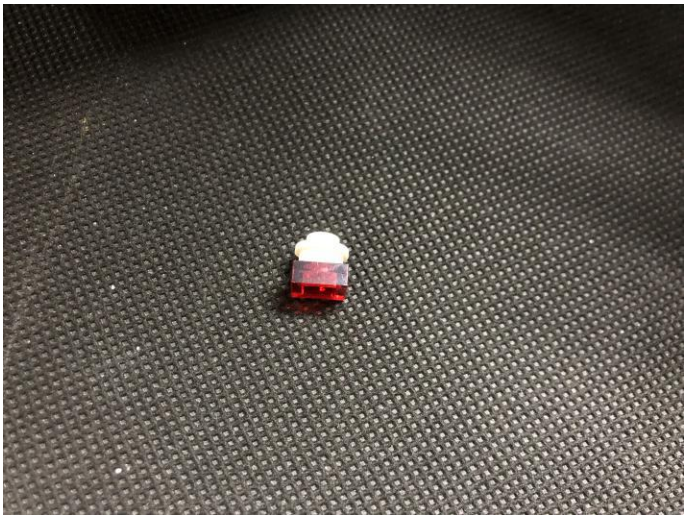


Take a 8-port expansion board, connect the cable to it

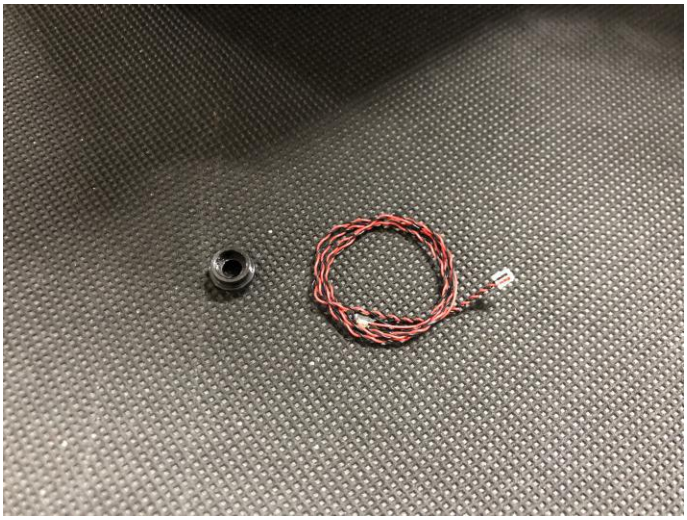


Move onto installing lights for the taillights

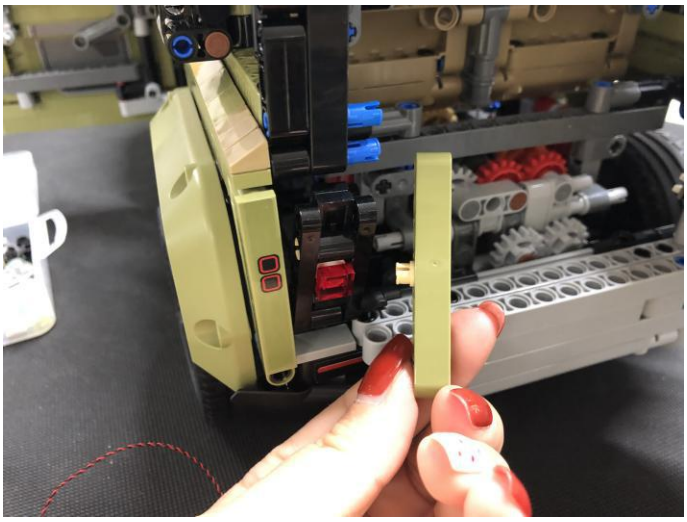
Remove one of the taillights, and disassemble it as per below



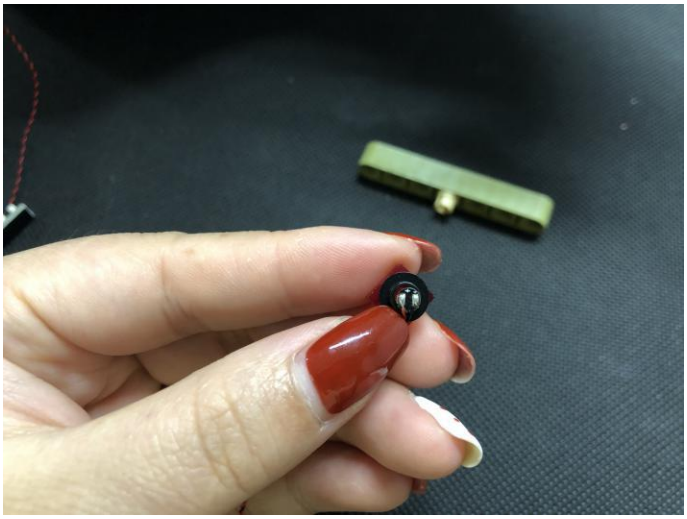
Take a warm white 30cm dot lights, a black round plate with hole



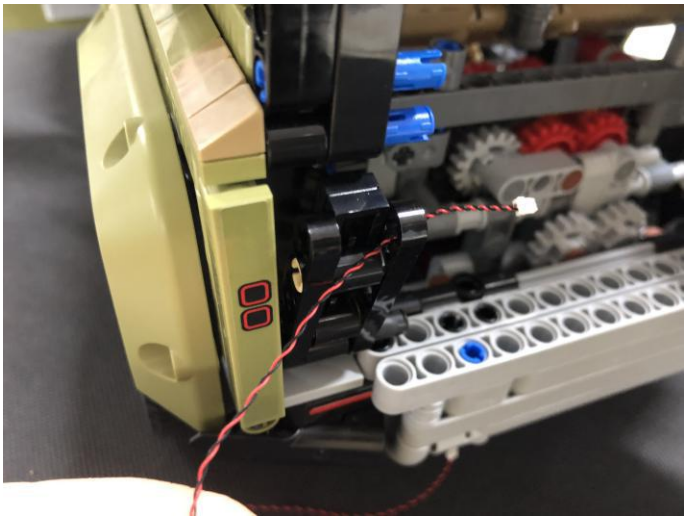
Remove the piece next to the taillight

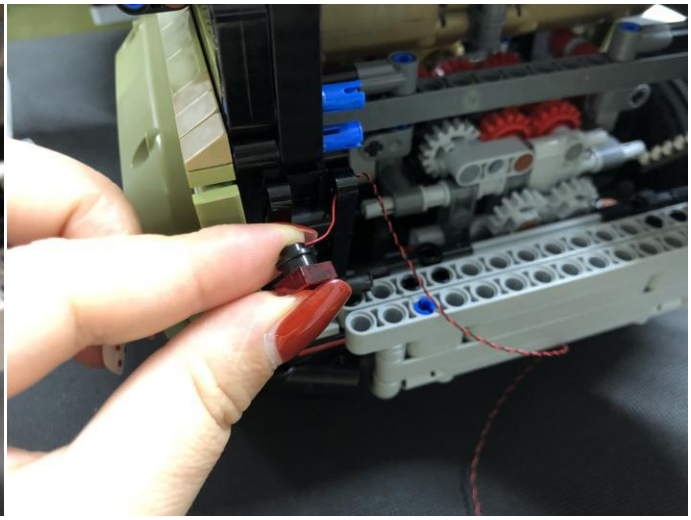


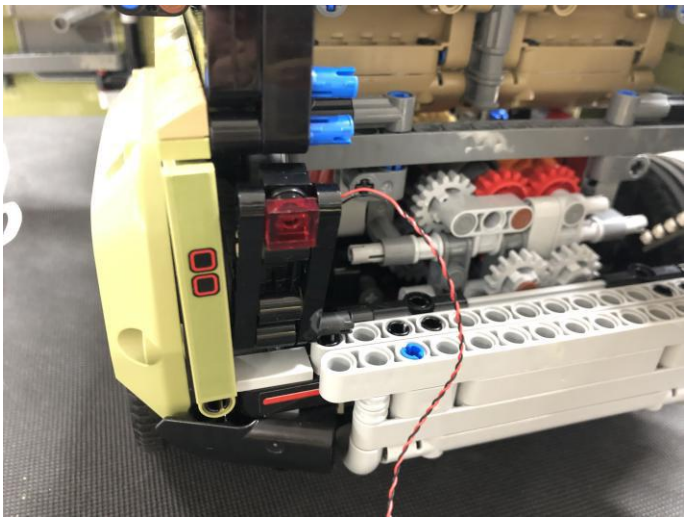
With the lighting part facing the hole, connect the light to the black round plate



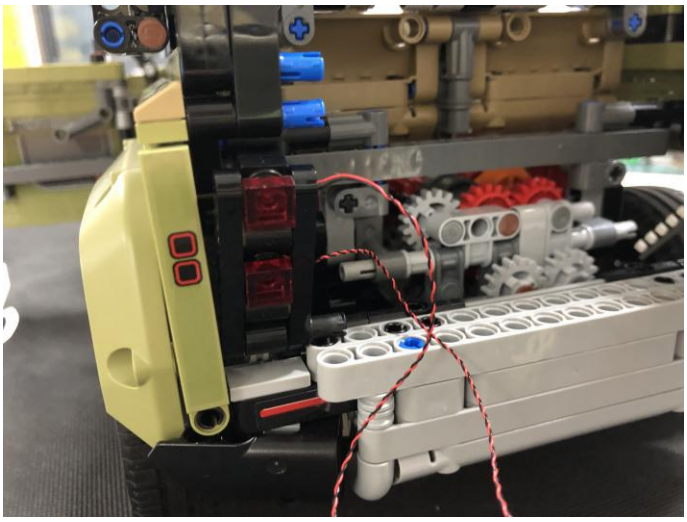
Thread the light through the following piece, reconnect the taillight



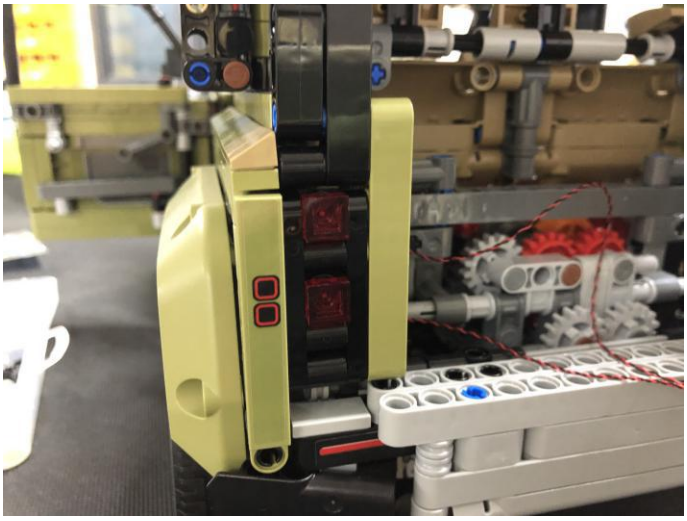


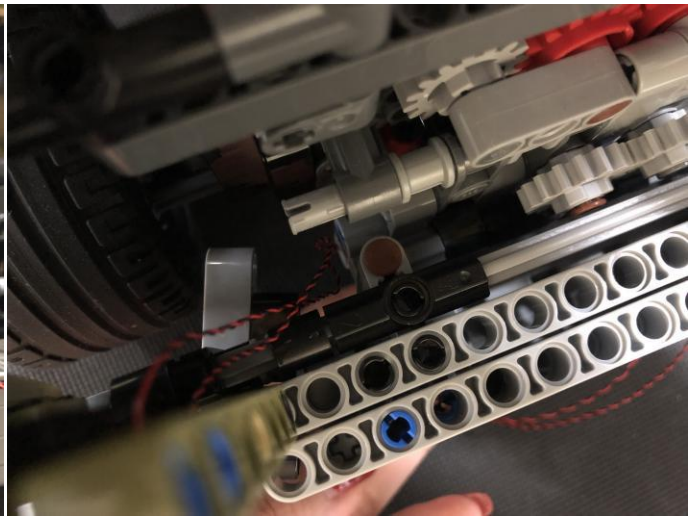


Take another 30cm warm white dot light, a black 1x1 round plate with hole, repeat the previous steps to install the taillight below

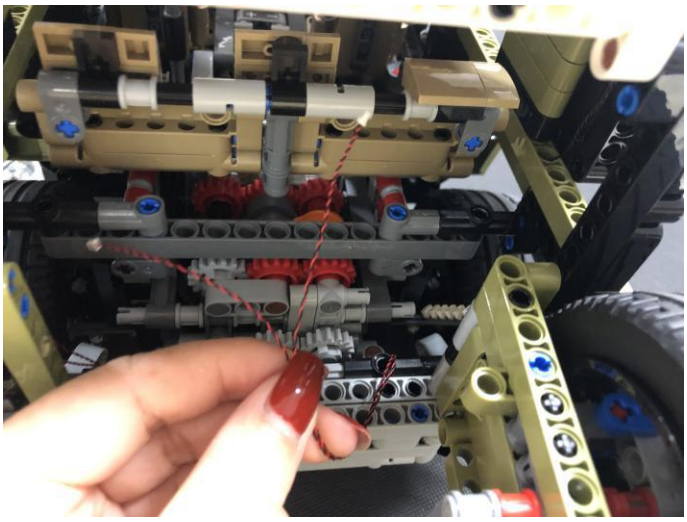


装reconnect the pieces we removed, place the cable as per below, and pull it to the bottom of the car

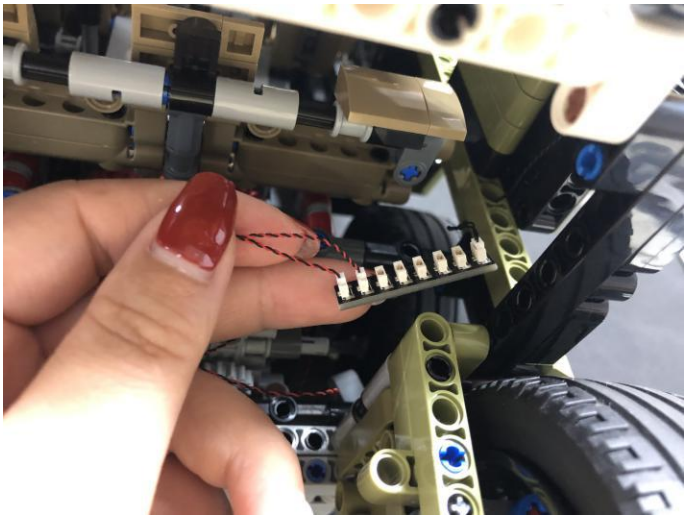




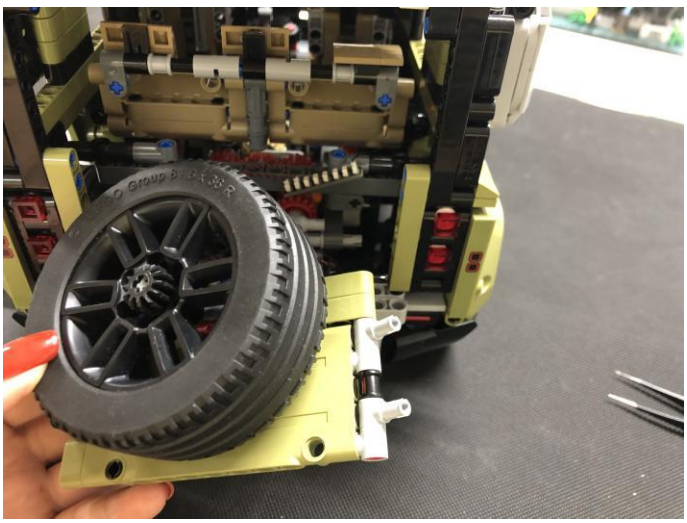
Pull the cable out from the right side where’s the expansion board was placed



connect the cable to the expansion board

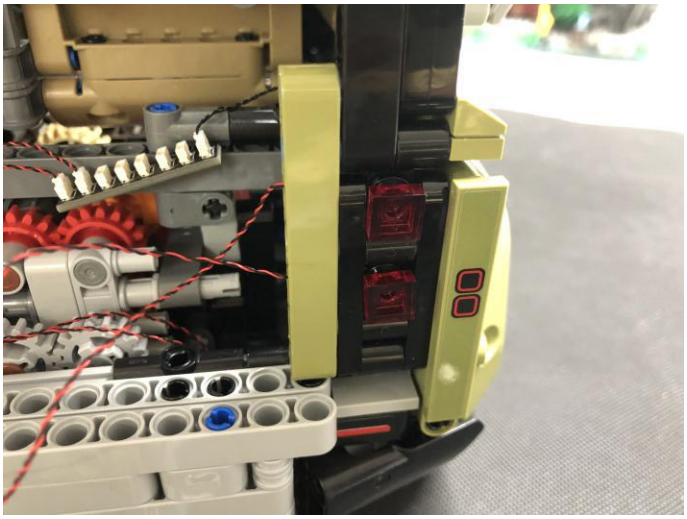


Remove the back door

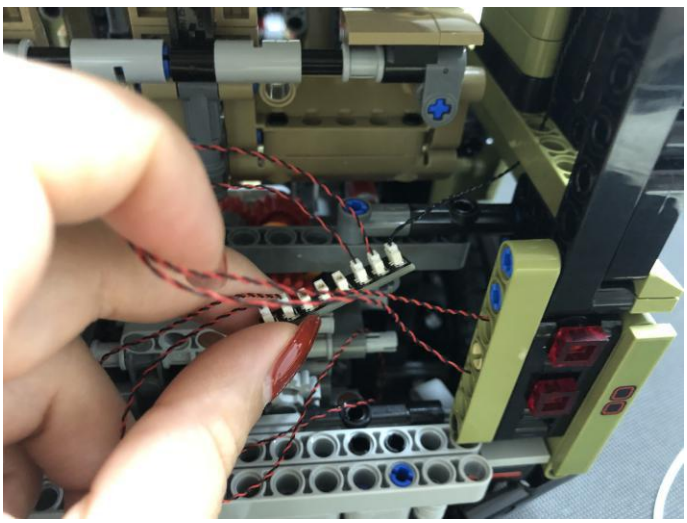


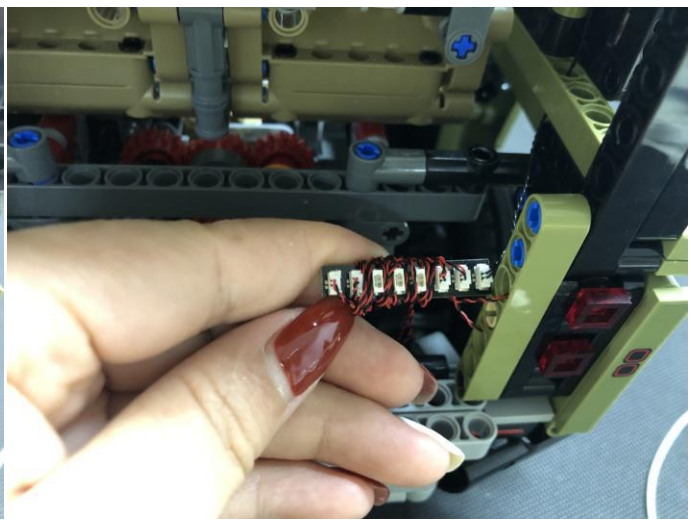
Take 2 warm white 15cm dot lights, 2 round black 1x1 plates

Follow the steps above to install the taillights at the right side

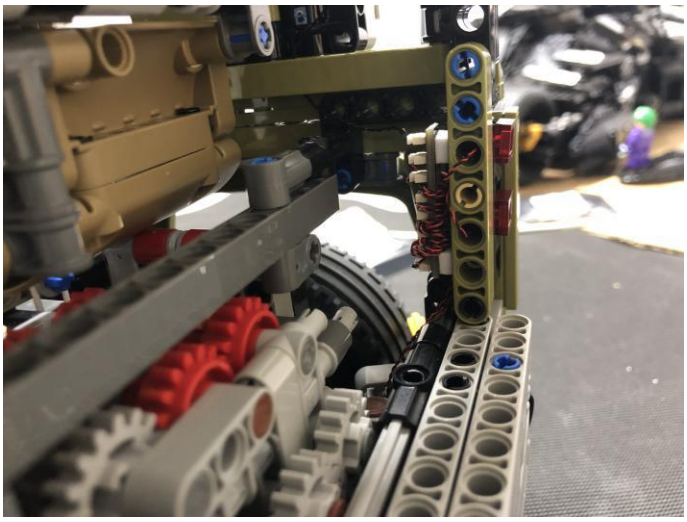


Connect the cable to the expansion board, tuck excess cables

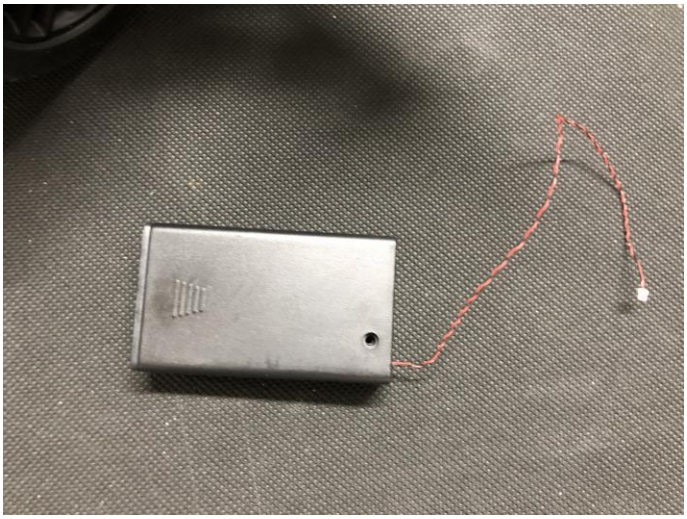


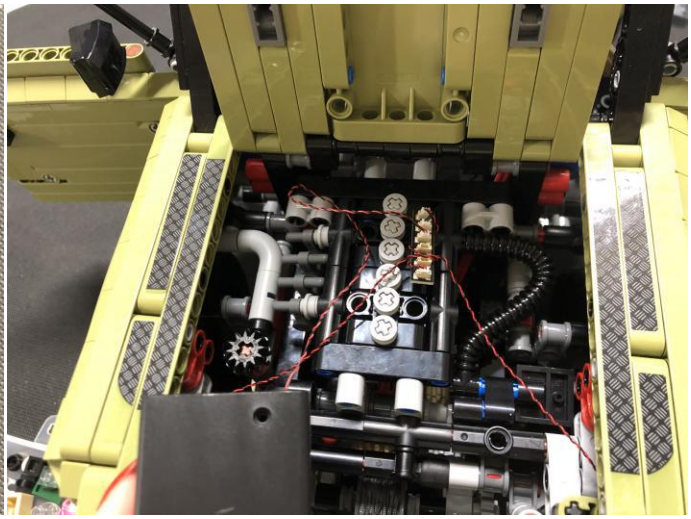


Stick the expansion board to the following place with the adhesive squares

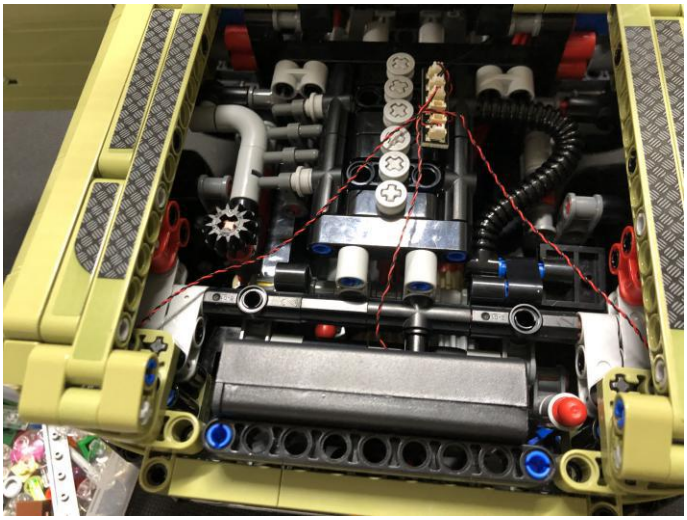


Take the battery pack, connect it to the 6-port expansion board at the front





Place the battery pack to the following place



This completes installation of this LED Lighting Kit. ENJOY!