

Technic™ Land Rover Defender 42110 Remote Controller Version Lighting Kit

Package contents:

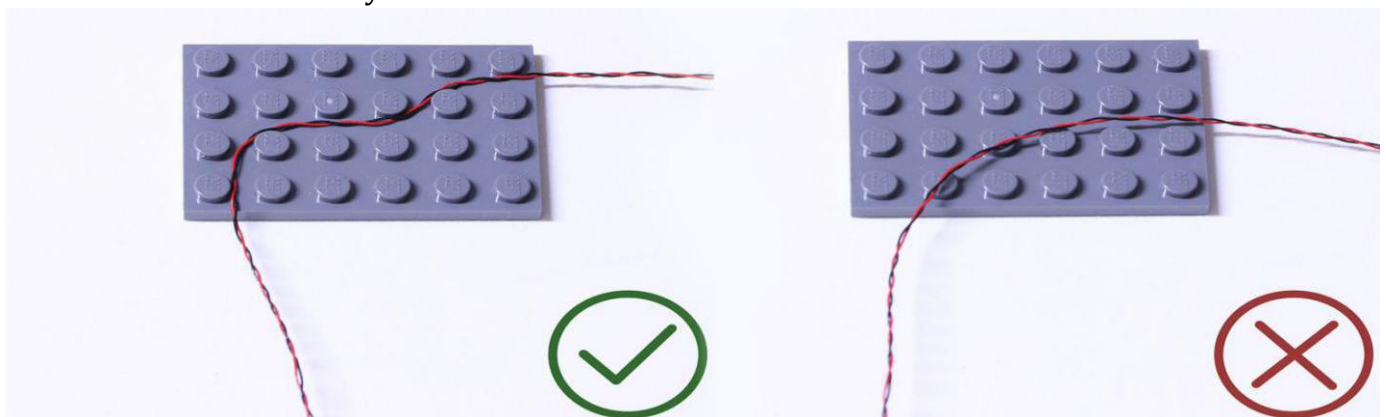
- 2 x 15cm Warm White Dot Lights
- 2 x 30cm Warm White Dot Lights
- 2 x 15cm Warm White Lights
- 2 x Warm White Strip Lights
- 4 x Blue Strip Lights
- 1 x 5cm Connecting Cable
- 3 x 15cm Connecting Cables
- 4 x 30cm Connecting Cables
- 1 x 6-Expansion Board
- 1 x 8-Expansion Board
- 1 x AAA Battery Pack
- 1 x Remote Control Switch Board

Extra LEGO pieces

Note:

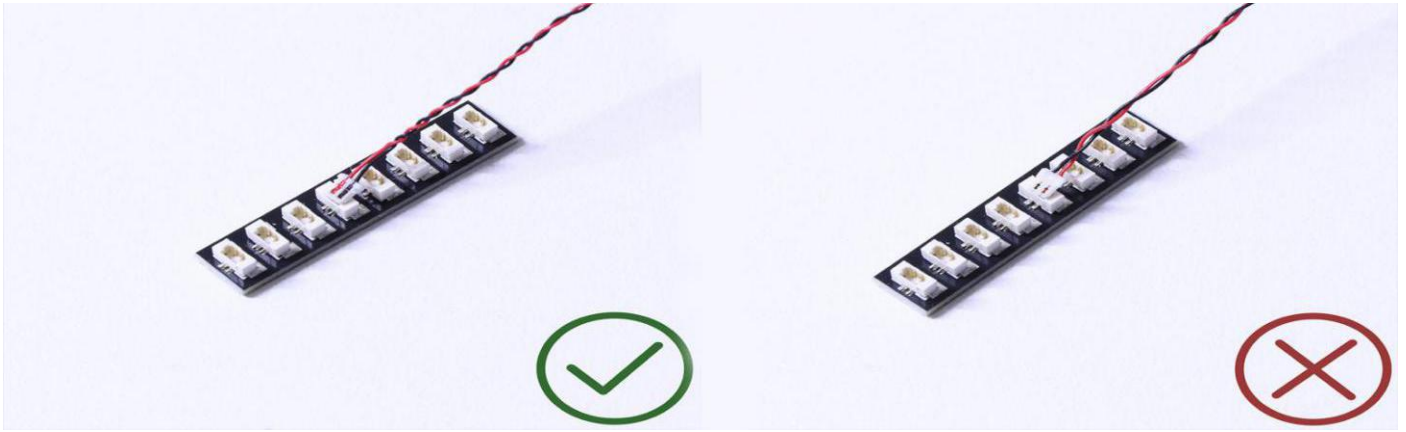
Place wires on the surface or under the LEGO building blocks.

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

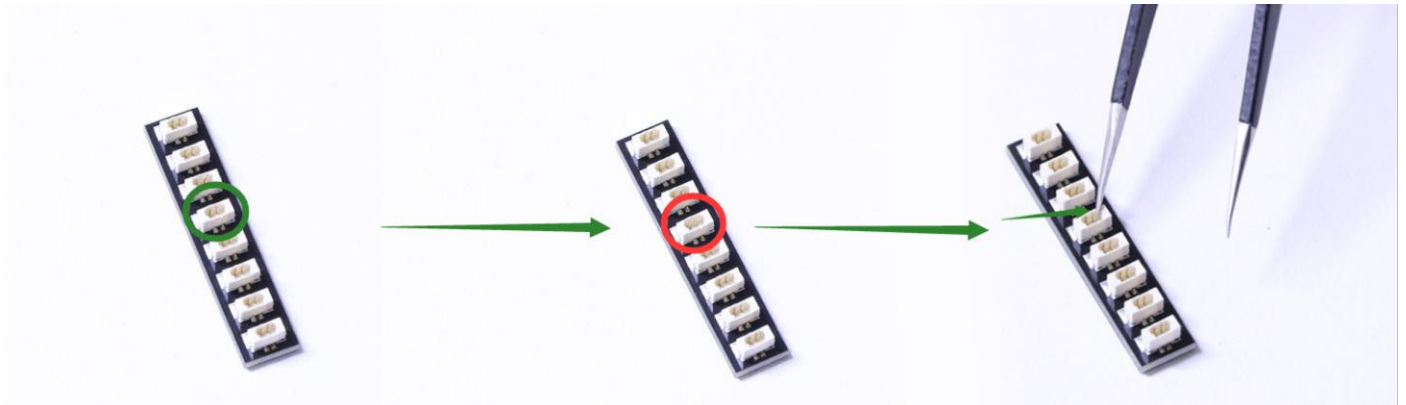


Insert the connectors to the ports.

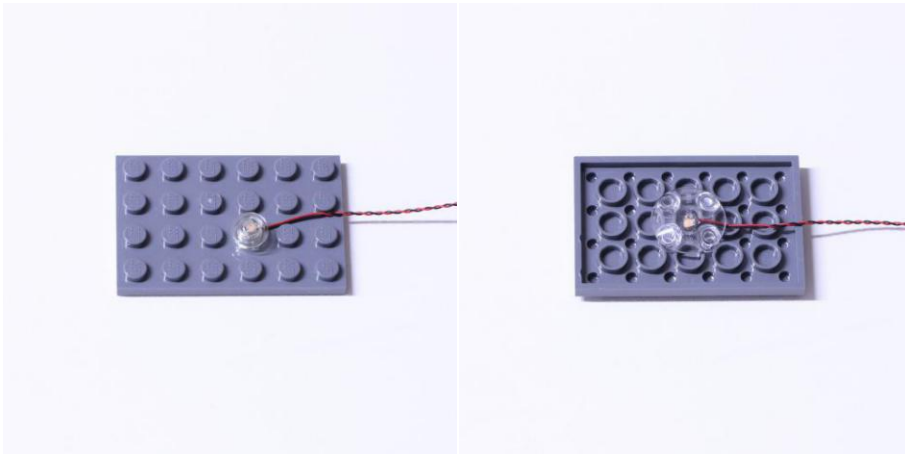
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

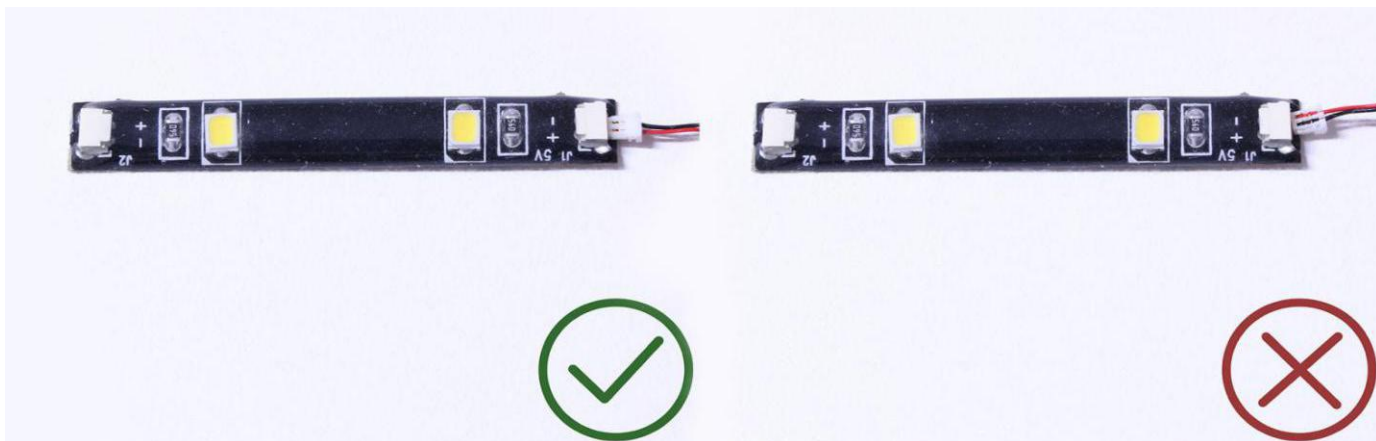


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

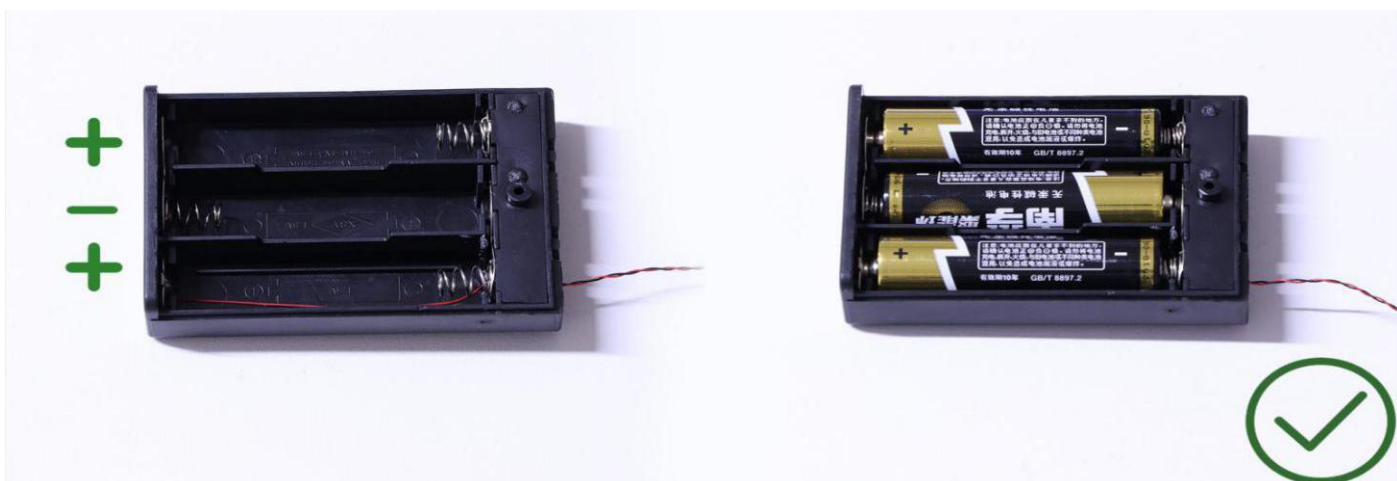


Connecting cable connectors to Strip Lights

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.



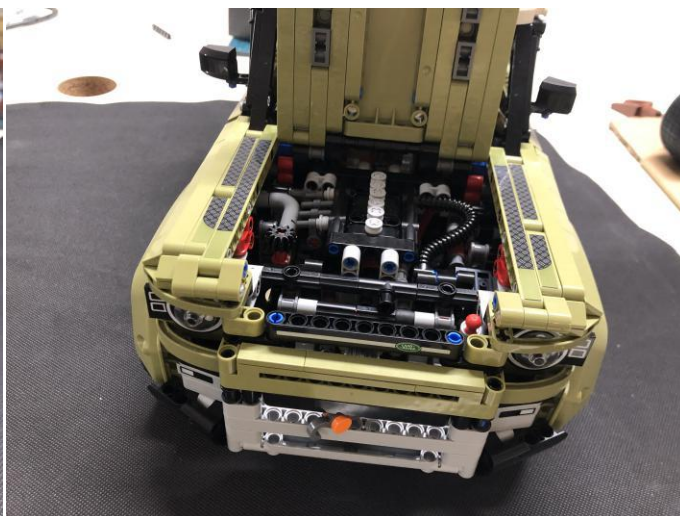
Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.



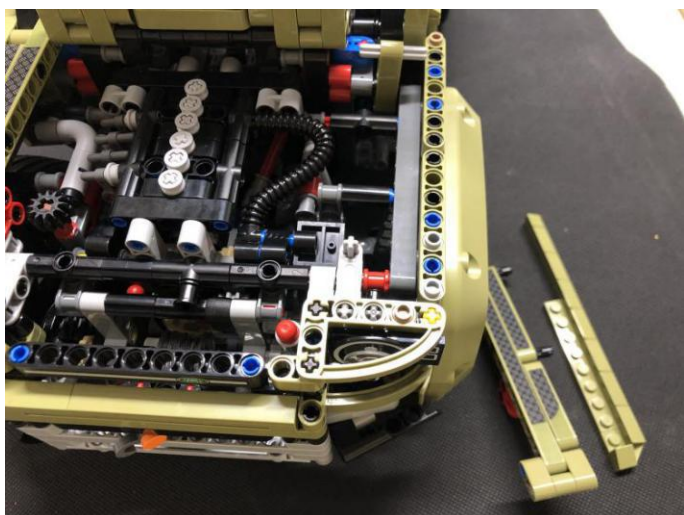
Instructions for installing this kit:

OK, Let' s Begin!

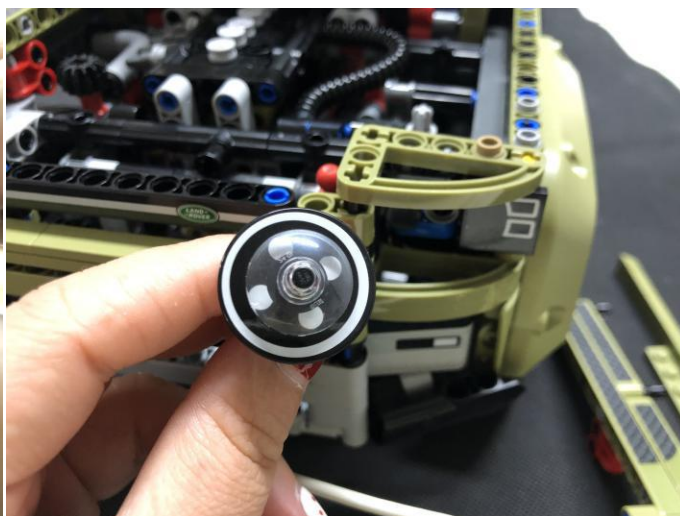
Start from installing the headlights, open the engine lid



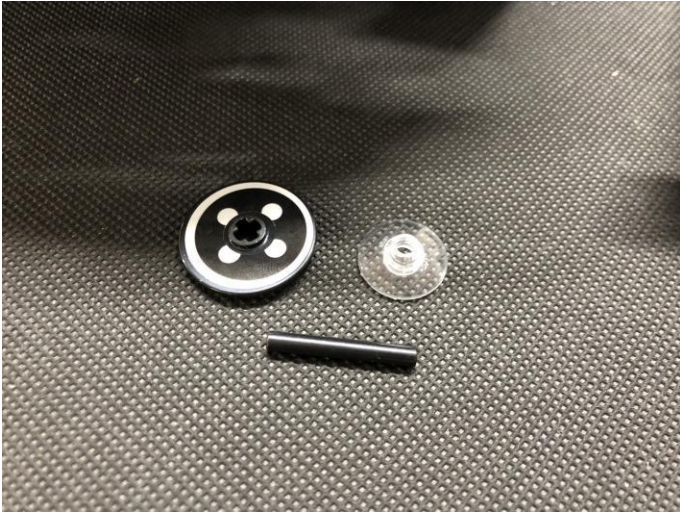
Remove the following pieces



Lift the following piece, remove the headlight



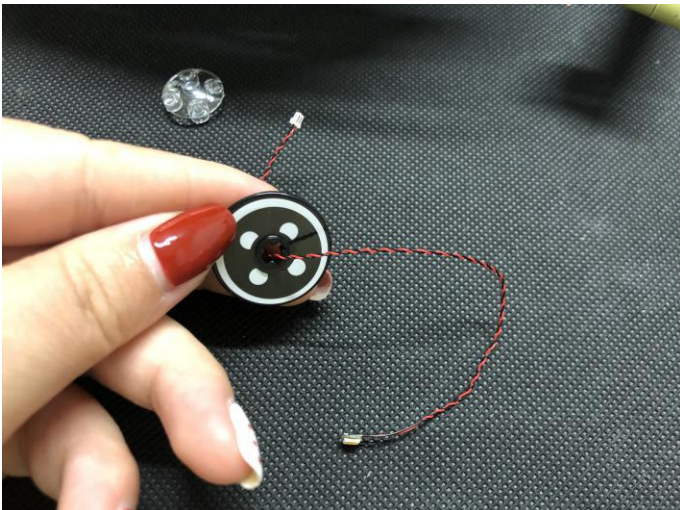
Disassemble the headlight as per below



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



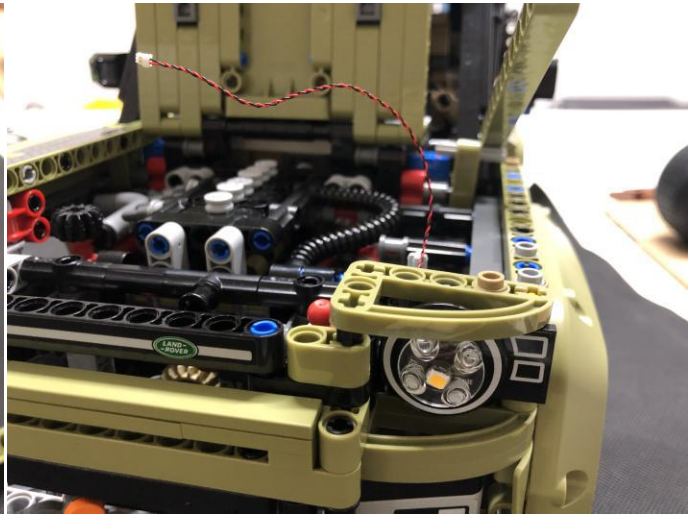
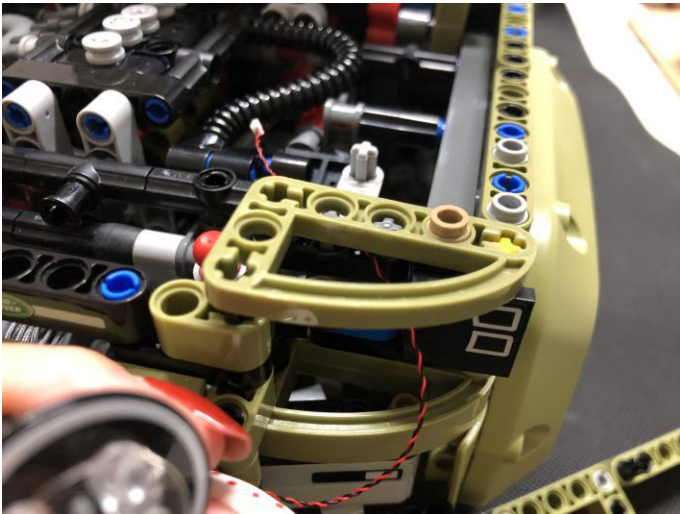
Thread the light through the hole of the black round plate, pull the cable out till the light is placed at the middle



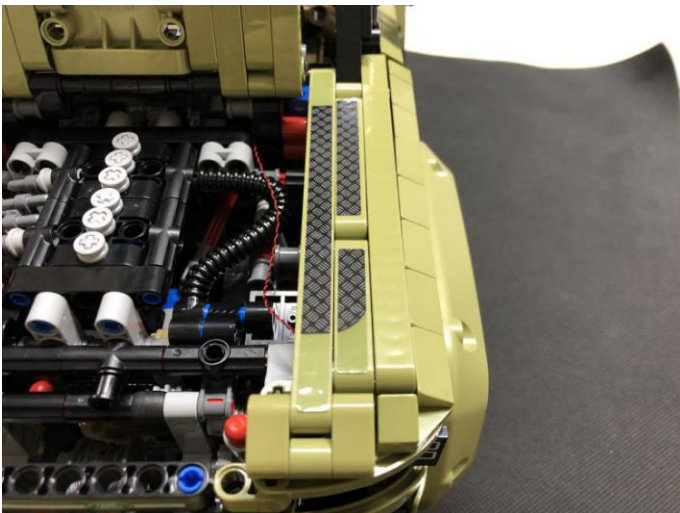
Take a trans round 2x2 plate, secure the light with it, reconnect the black stick



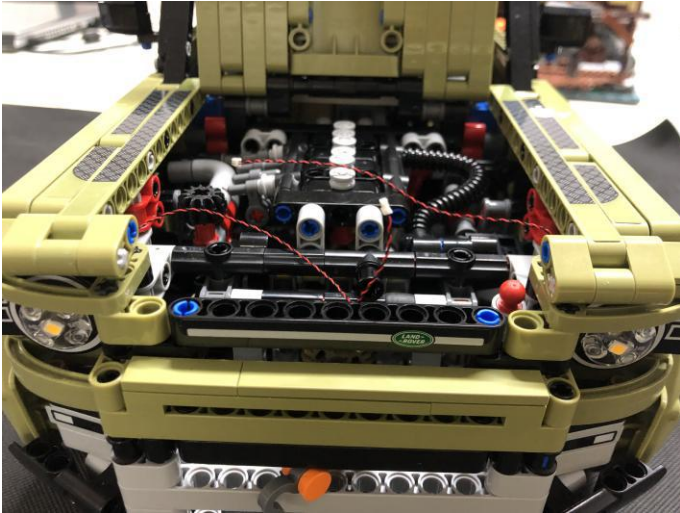
Thread the light through the following space, reconnect the headlight



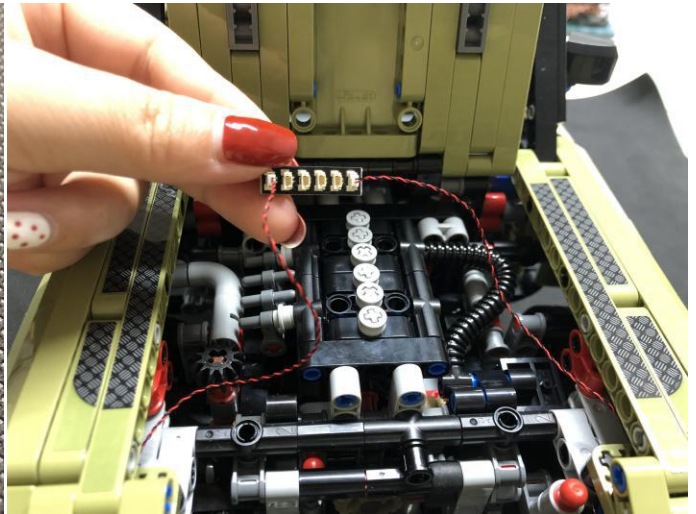
Reconnect the other pieces we removed before



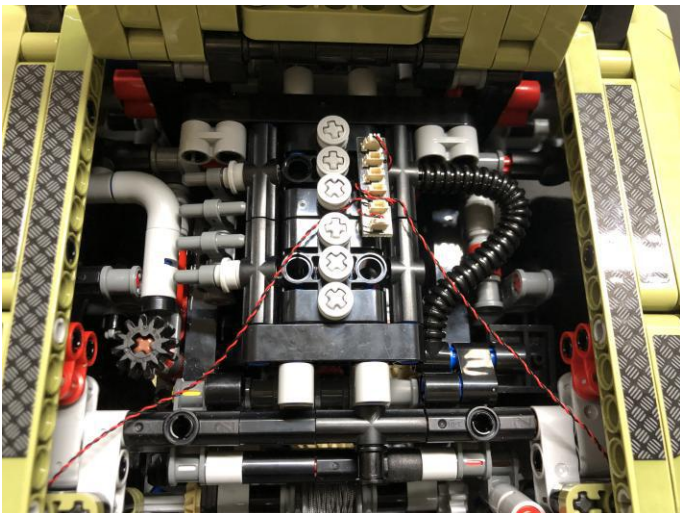
Take another 15cm light, a trans round 2x2 plate, repeat the steps above to install the headlight at the other side



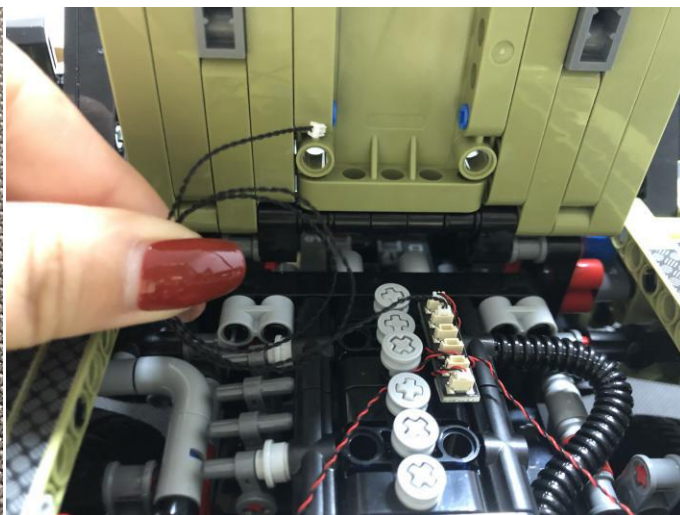
Take a 6-port expansion board, connect the cables of the headlights to it



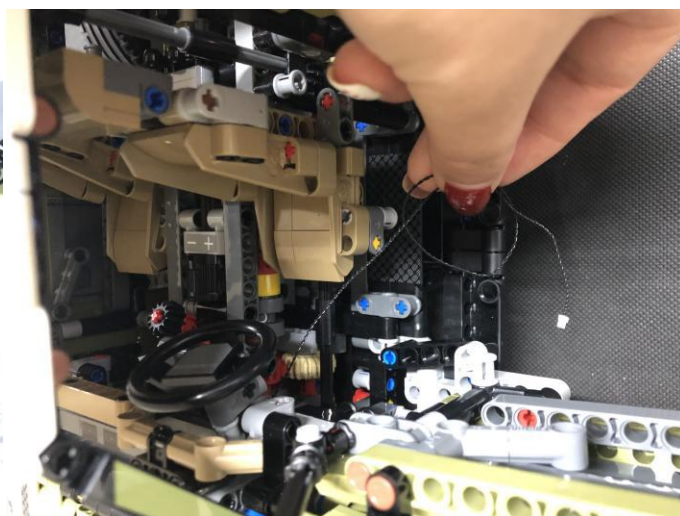
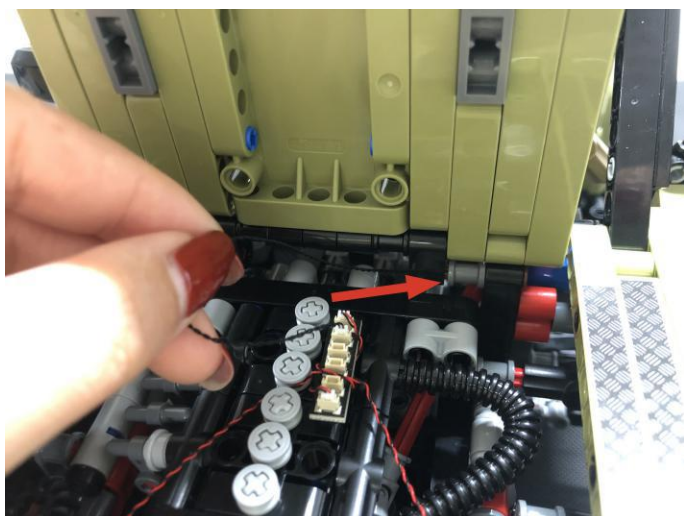
Stick the expansion board to the following place with the adhesive square



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



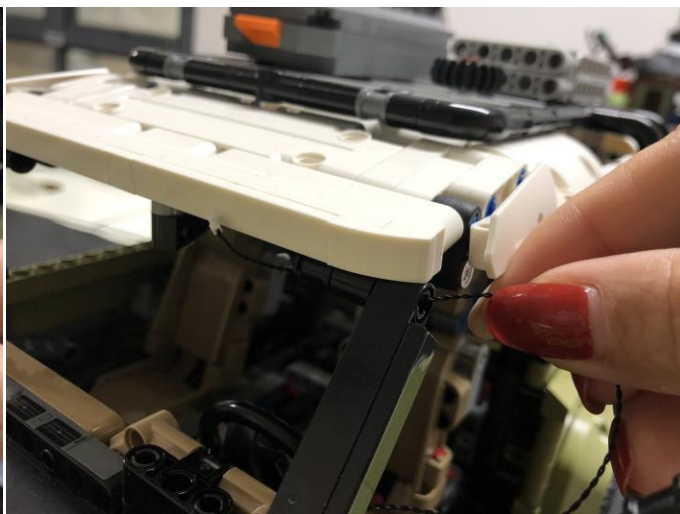
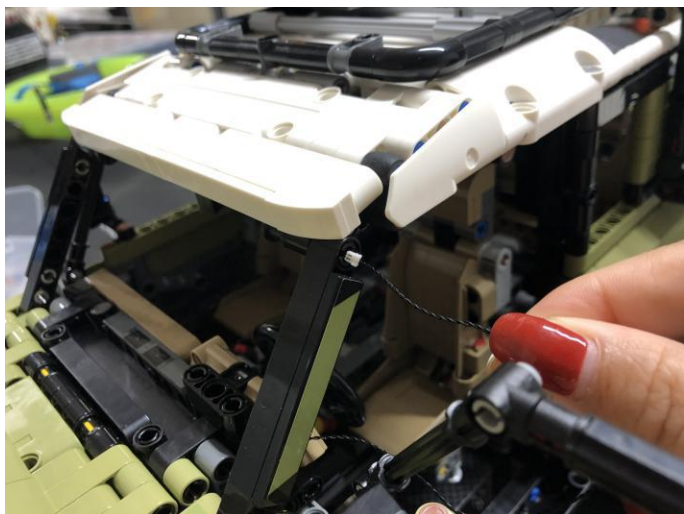
Continue to thread it through the following space



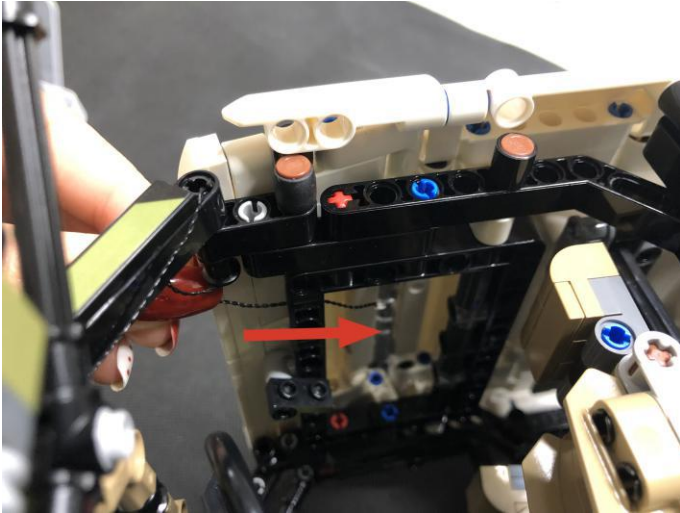
Thread it alongside the rearview mirror



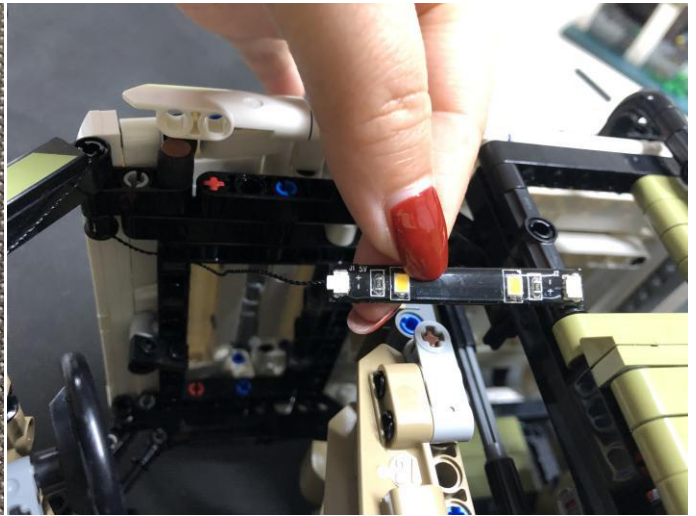
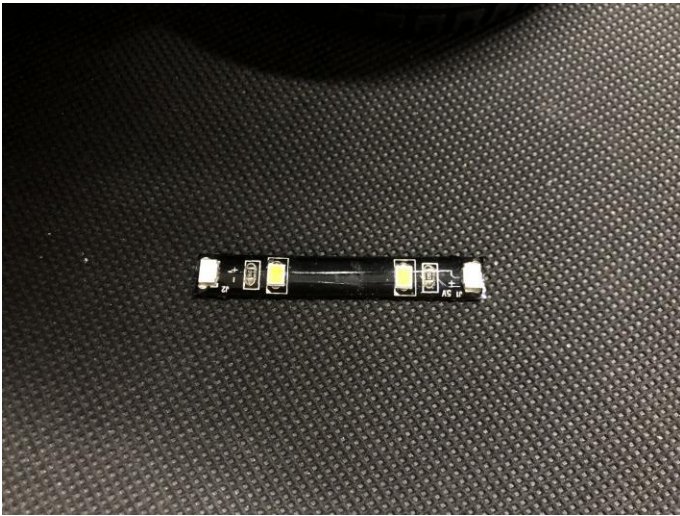
Place it alongside the window as per below



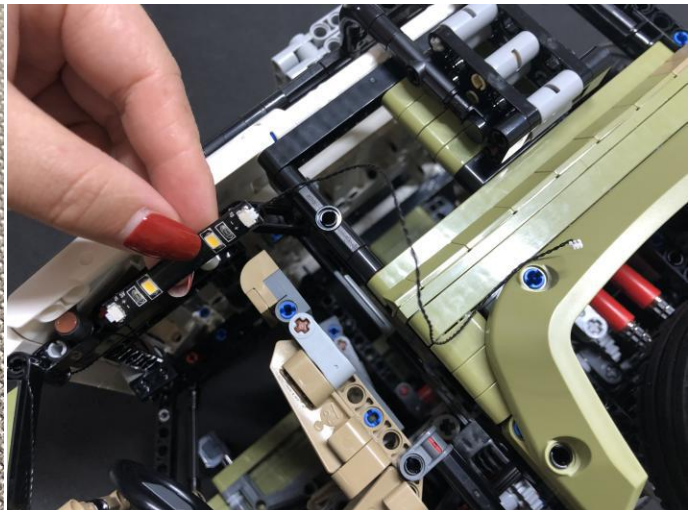
Thread the cable through the hole of the piece above the front seat



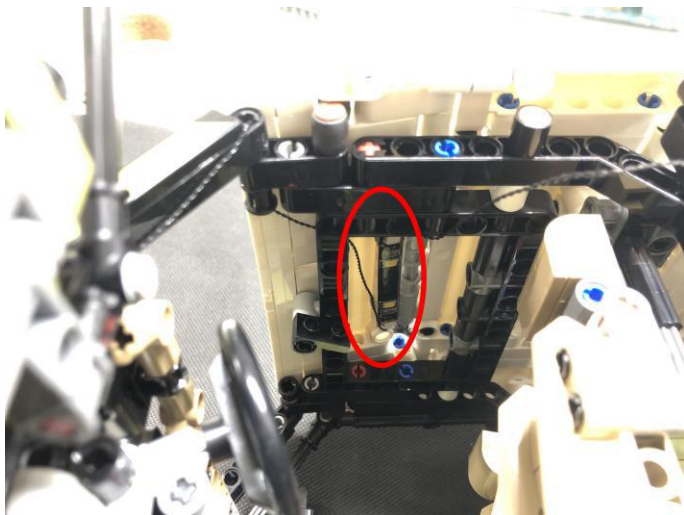
Take a warm white strip light, connect the cable from the roof to the left port on the strip light



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



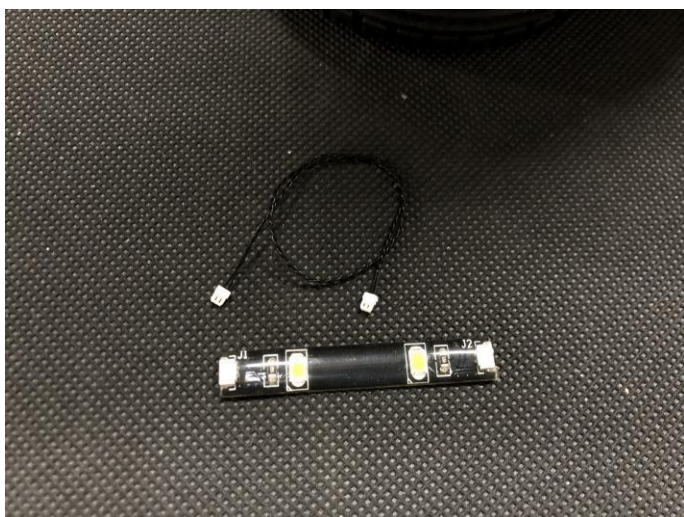
Stick the strip light to roof of the front seat as per below



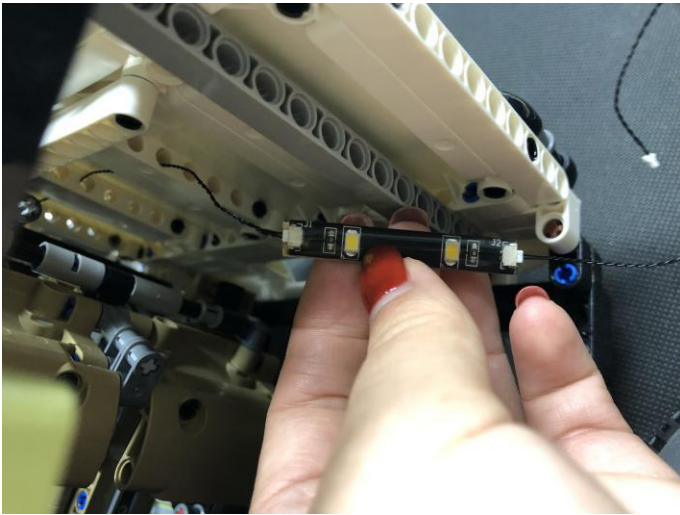
Thread the cable from the right port of the strip light through the holes at the roof, and pull it backward



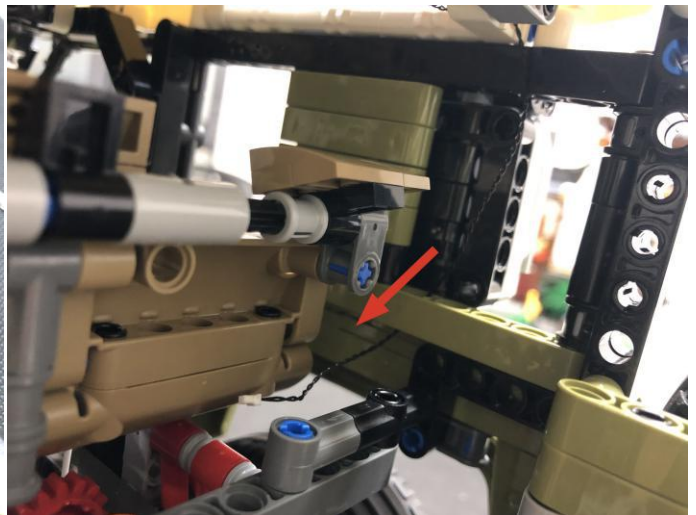
Take a 15cm connecting cable, a warm white strip light, connect the cable to the strip light as per below



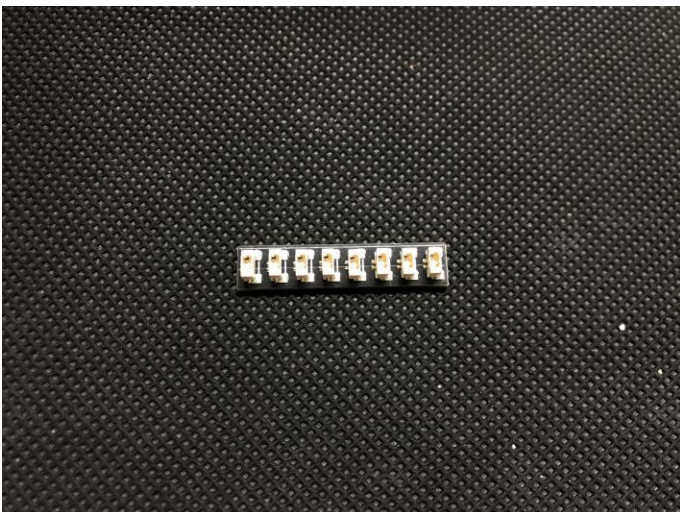
Connect the cable from the roof to the left port of the strip light, stick the strip light to the roof



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



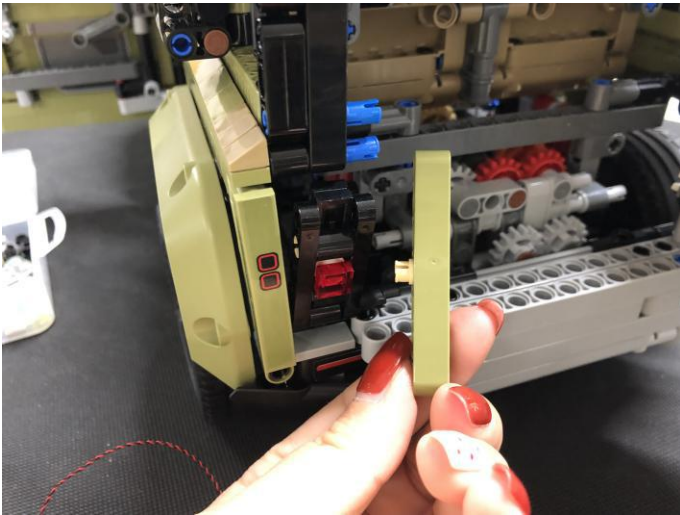
Remove one of the taillights, and disassemble it as per below



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



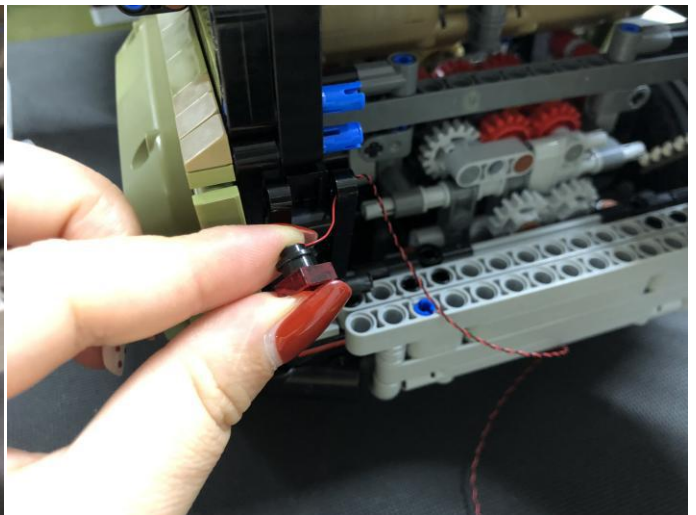
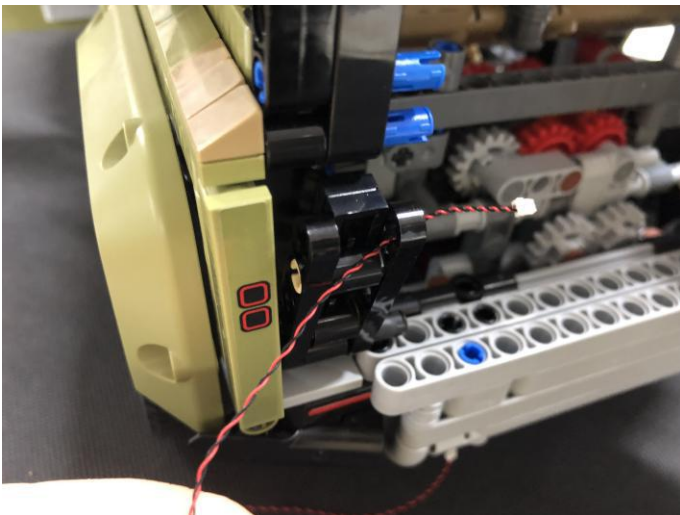
Remove the piece next to the taillight

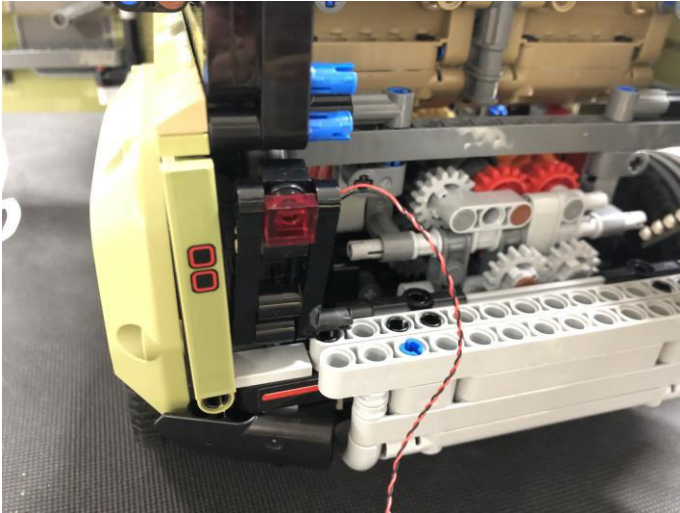


With the lighting part facing the hole, connect the light to the black round plate

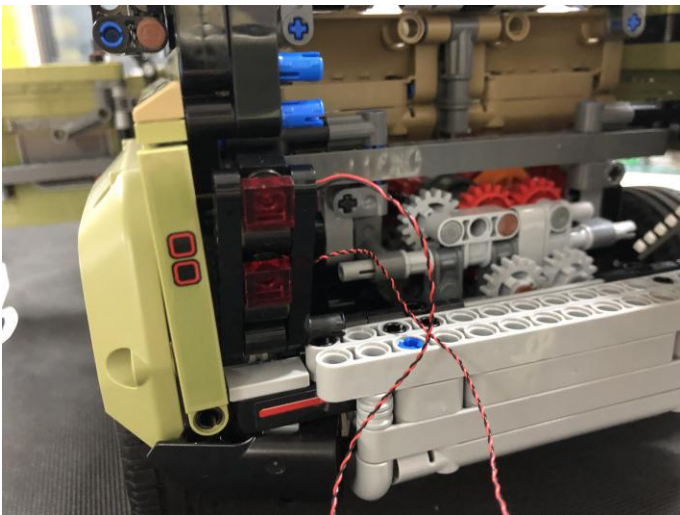


Thread the light through the following piece, reconnect the taillight

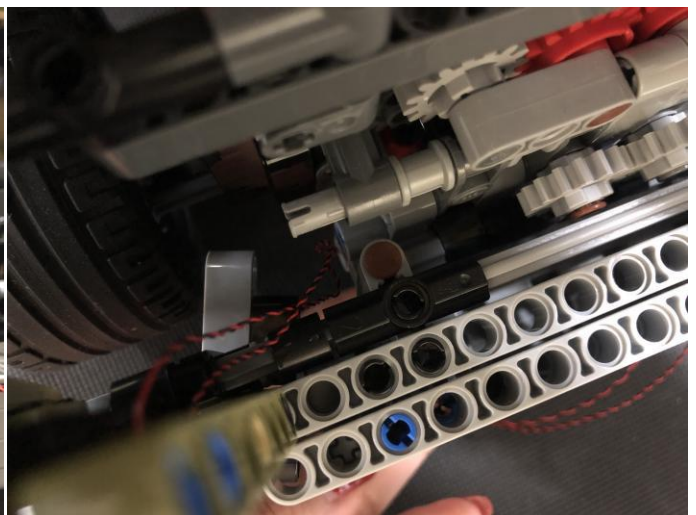
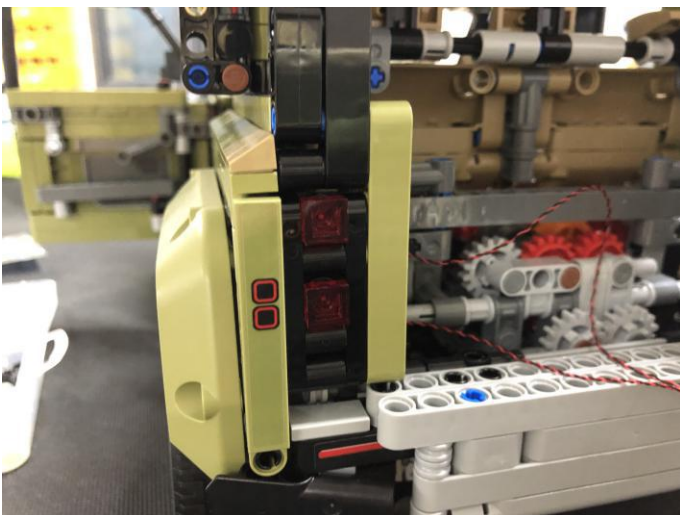




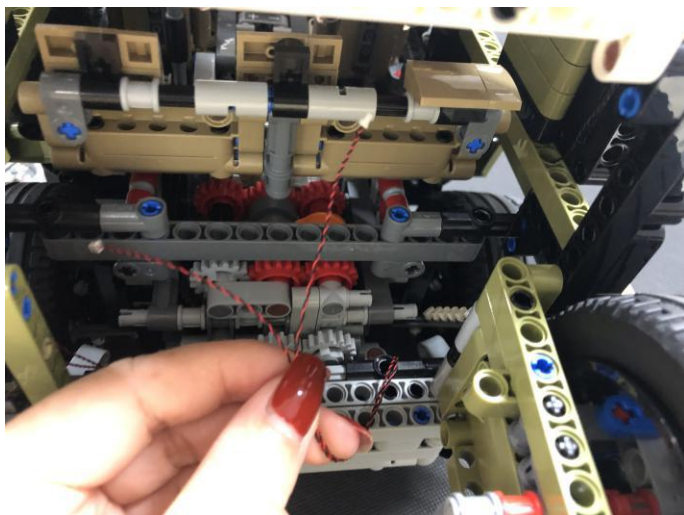
Take another 30cm warm white dot light, a black 1x1 round plate with hole, repeat the previous steps to install the taillight below



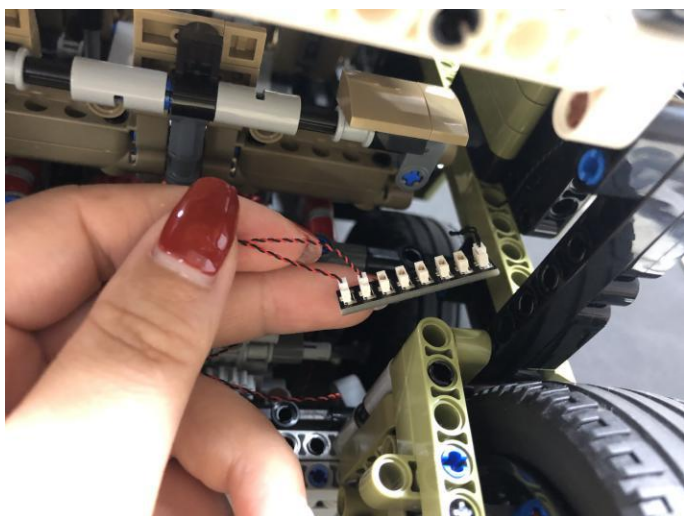
Reconnect the pieces we removed, place the cable as per below, and pull it to the bottom of the car



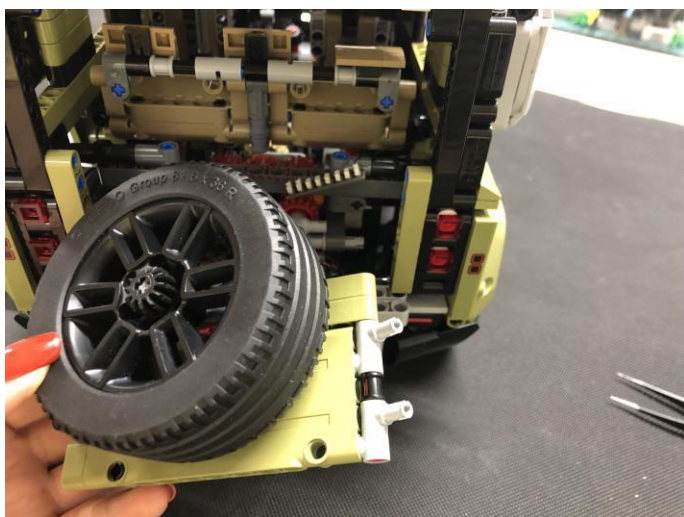
Pull the cable out from the right side where the expansion board was placed



connect the cable to the expansion board



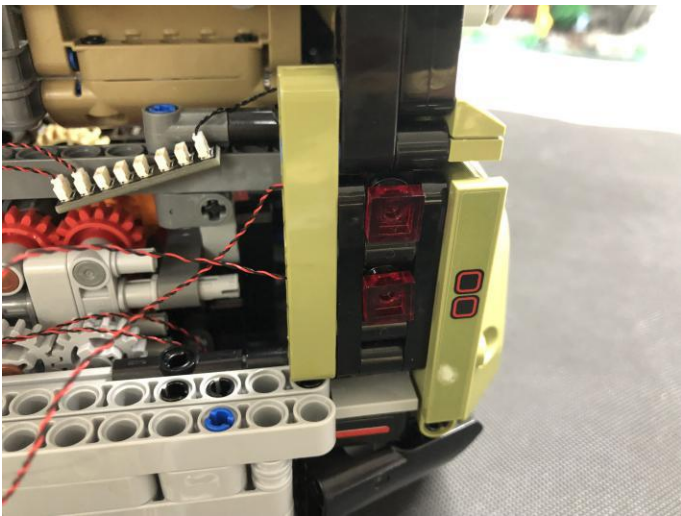
Remove the back door



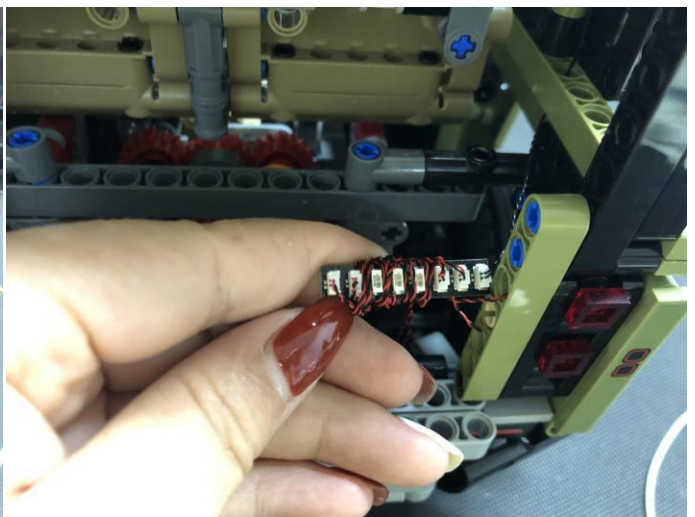
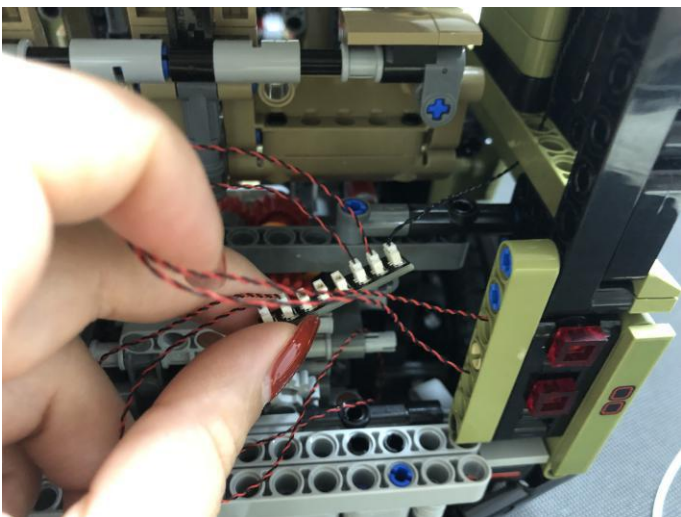
Take 2 warm white 15cm dot lights, 2 round black 1x1 plates



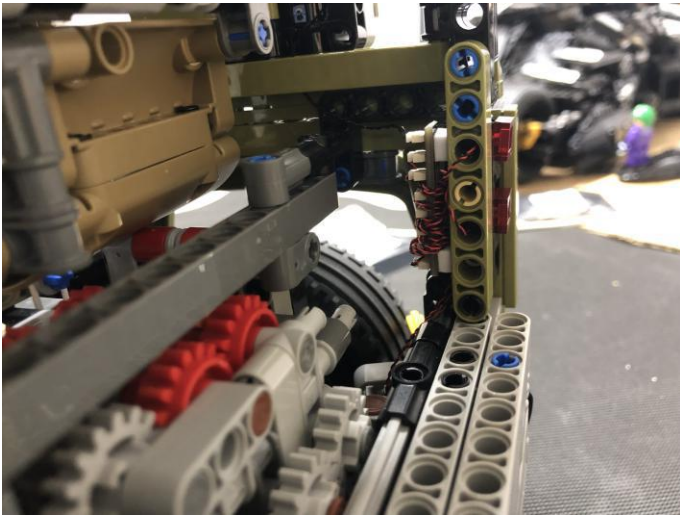
Follow the steps above to install the taillights at the right side



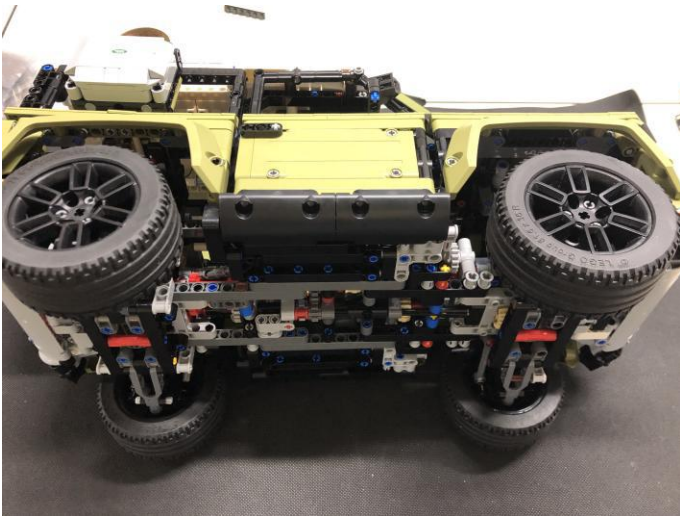
Connect the cable to the expansion board, tuck excess cables



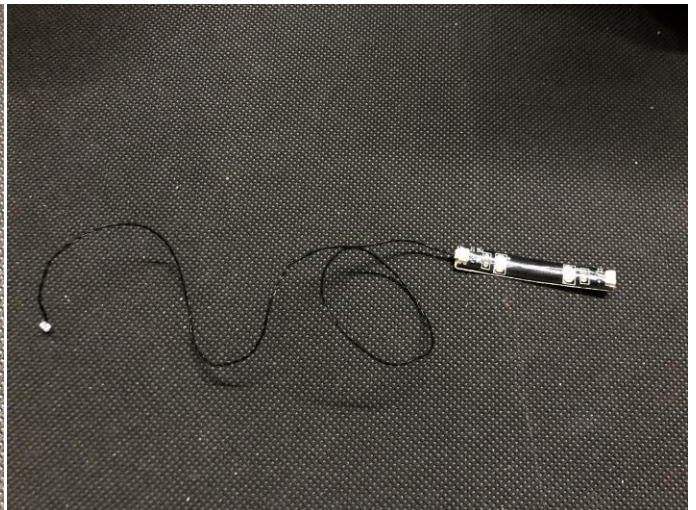
Stick the expansion board to the following place with the adhesive squares



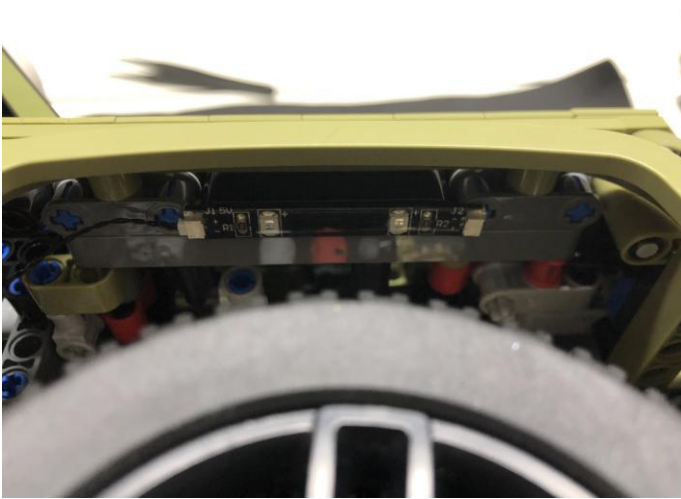
Turn the car to its side



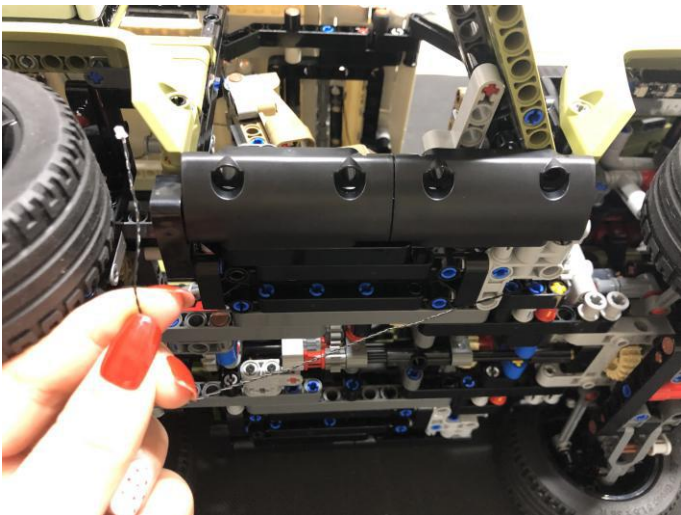
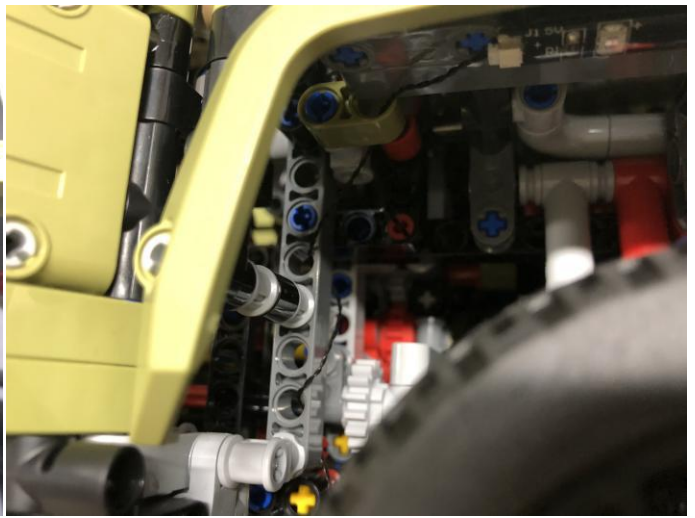
Take a 30cm connecting cable, a blue strip light, connect the cable to the strip light as per below



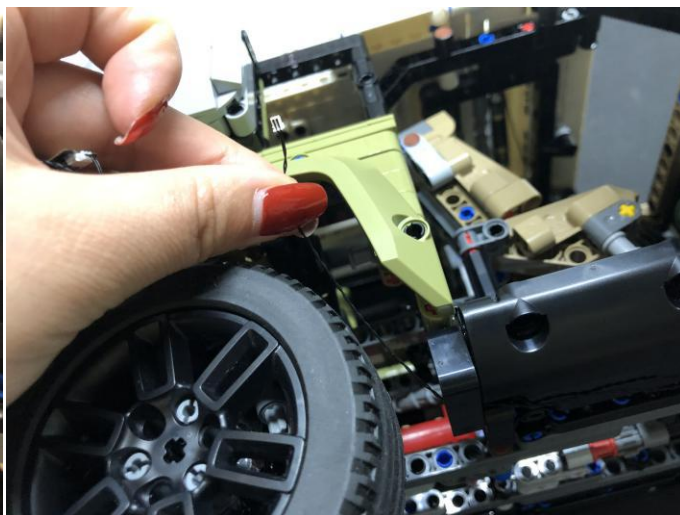
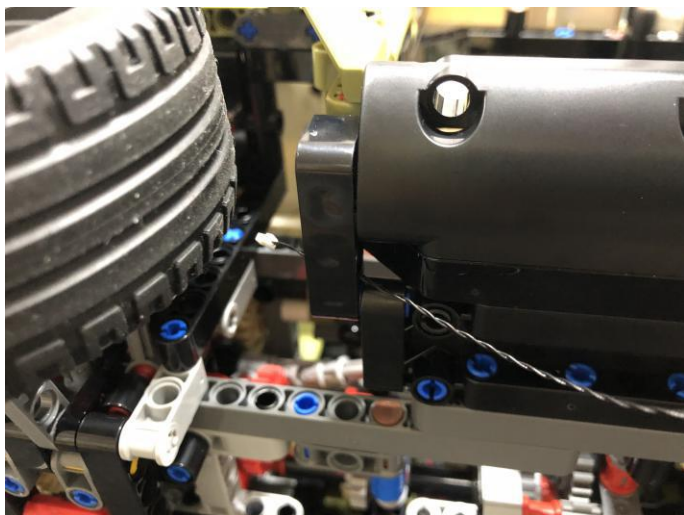
Stick the strip light over the front wheel



Thread the connecting cable through the following hole to the bottom of the car, and pull it backward



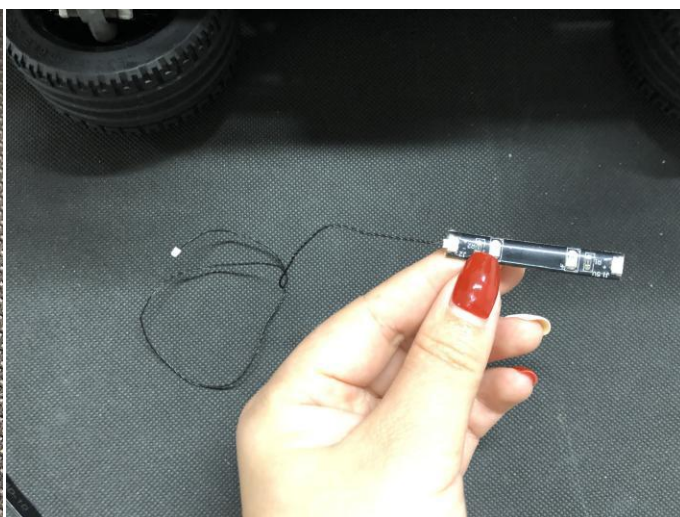
Continue to thread it through the following hole, and pull it upward



Thread it through the following hole



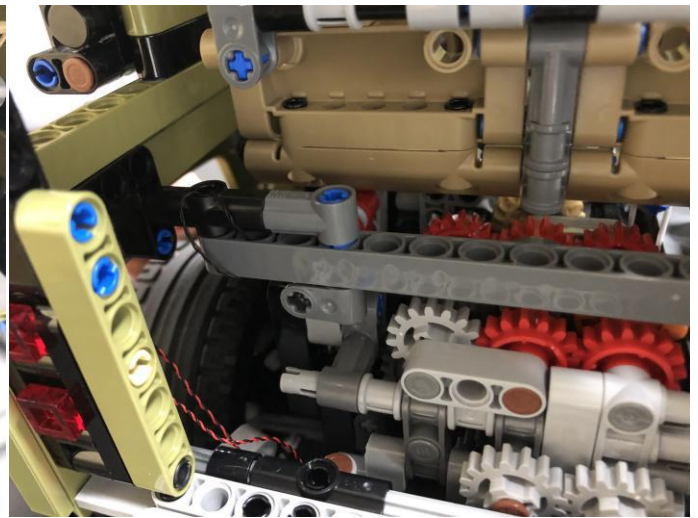
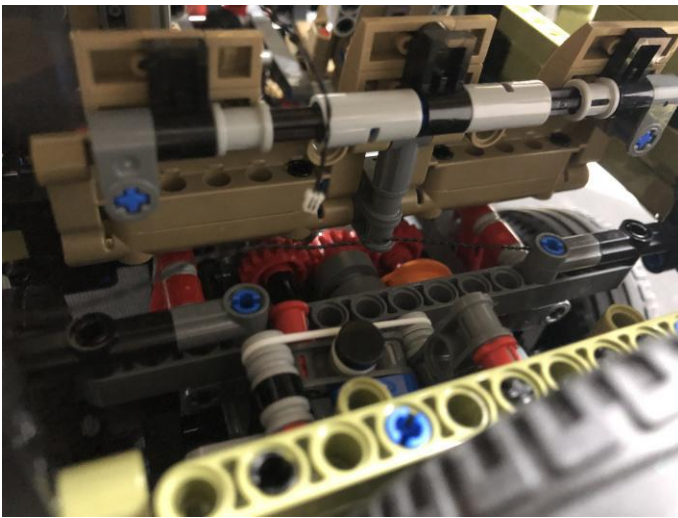
Take a 30cm connecting cable, a blue strip light, connect the cable to the strip light



Connect the connecting cable we pulled before to the other port of the strip light, stick the strip light over the rear wheel



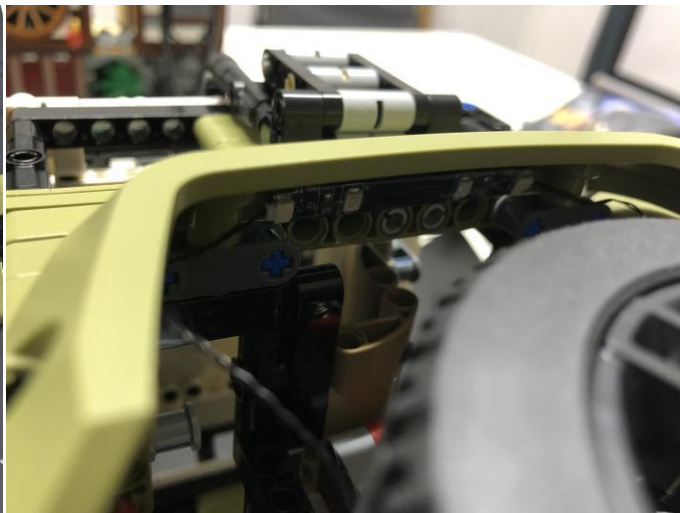
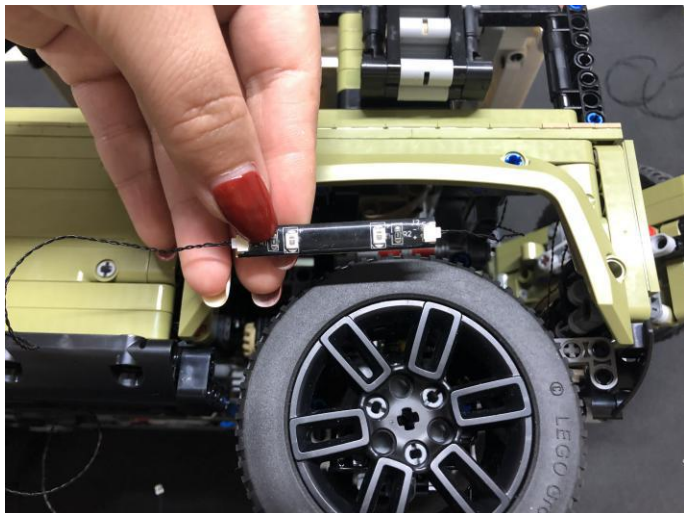
Pull the connecting cable on the strip light back to the trunk, wind the cables several times (tuck excess cable, wind the cable anywhere suitable)



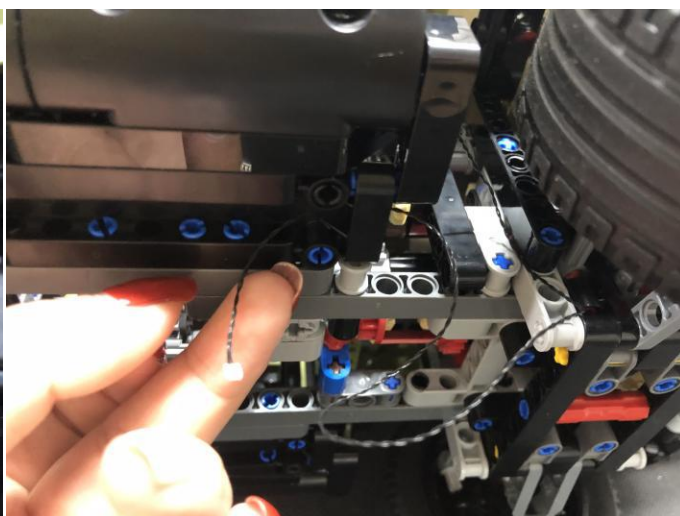
Take a 30cm connecting cable, a blue strip light, assemble them as per below



Turn the car back, move onto install lights for the wheels at the other side, connect the cable from the trunk to the strip light, stick the strip light over the rear wheel



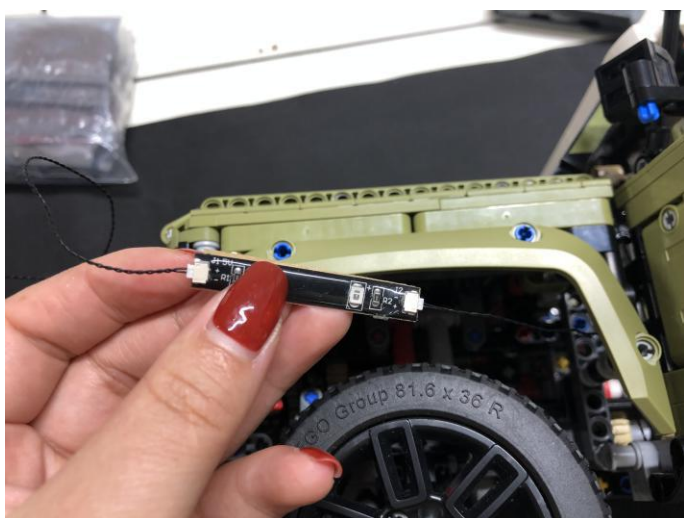
Thread the connecting cable through the following space, and pull it to the front wheel



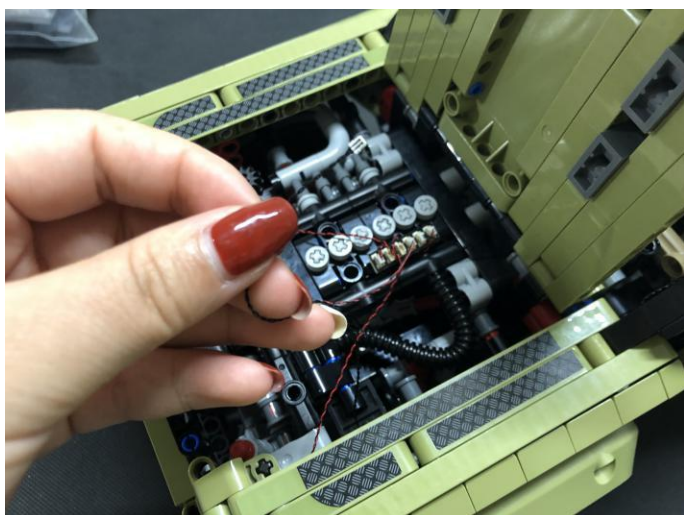
Take a 15cm connecting cable, a blue strip light, connect the connecting cable to the strip light



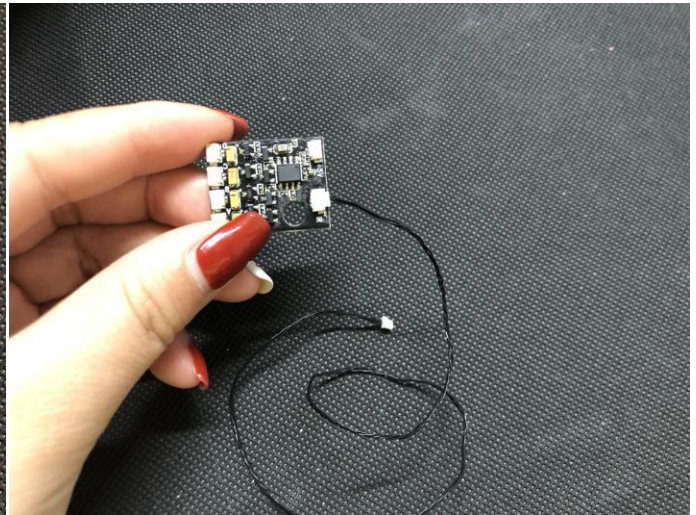
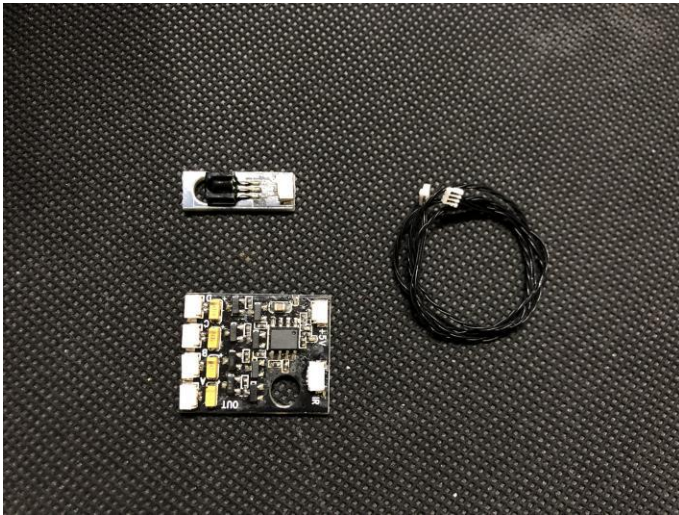
Connect the connecting cable we pulled before to the strip light, stick the strip light over the front wheel



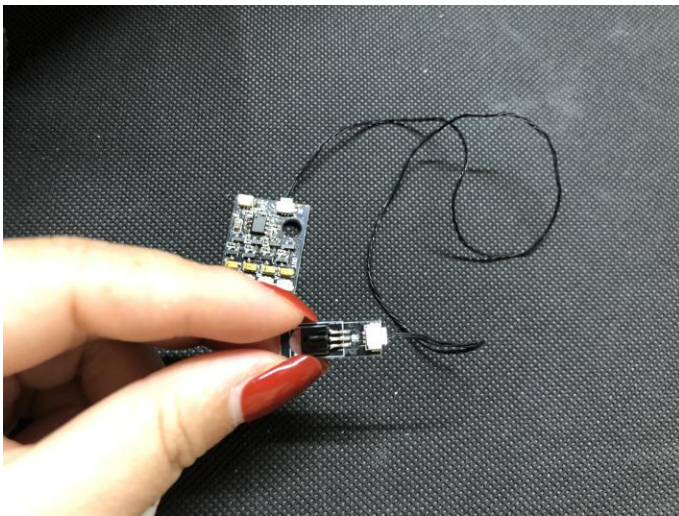
Open the engine lid, pull the cable up



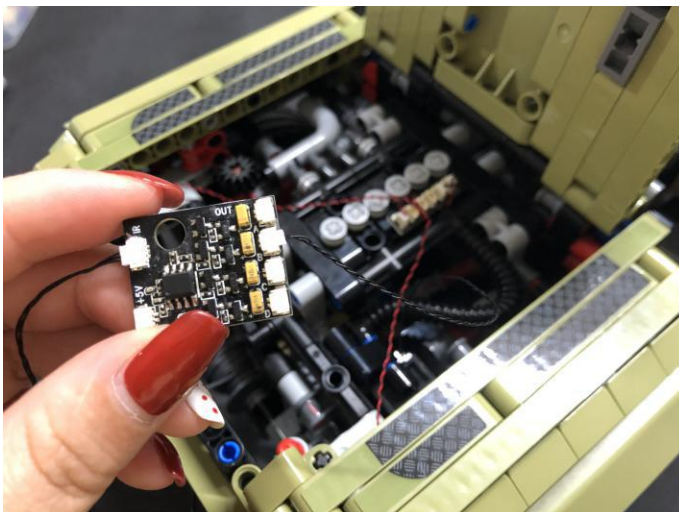
Take the Remote Control Switch Board, connect the connecting cable to the following port



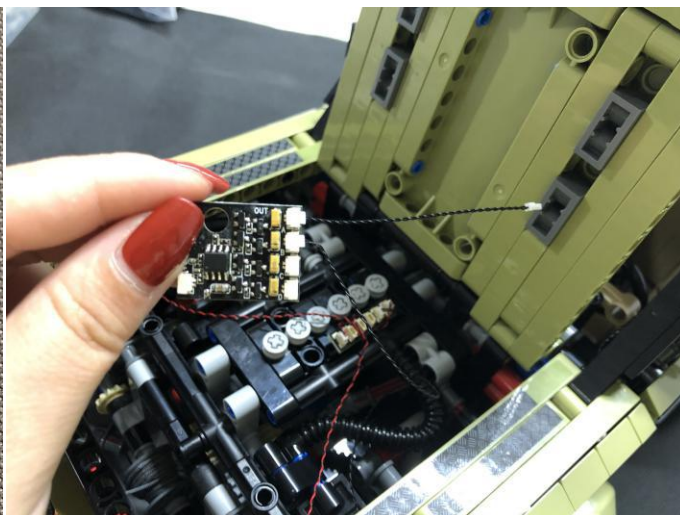
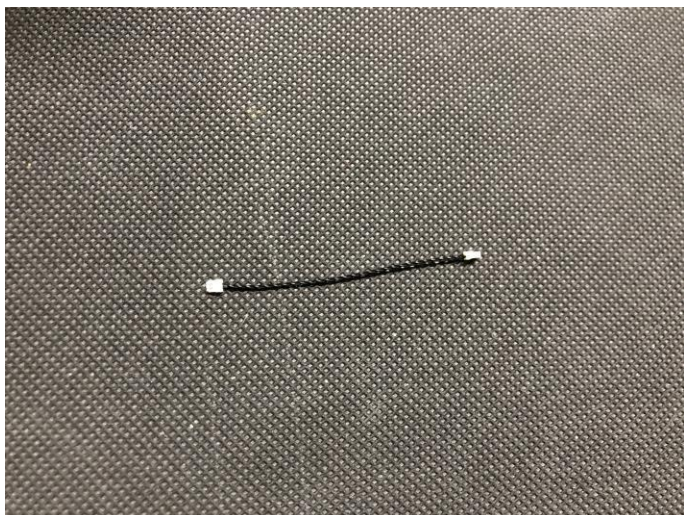
Connect the other end of the connecting cable to the inductor



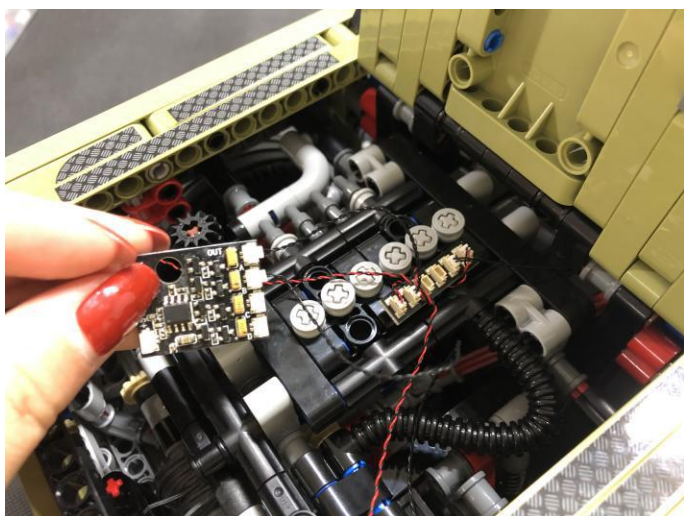
Connect the cable from the strip light to the following port on the Remote Control Switch Board



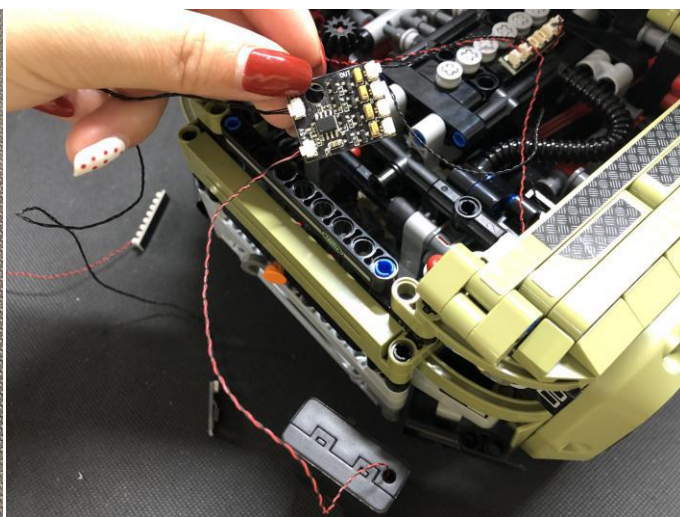
Take a 5cm connecting cable, connect it to the Remote Control Switch Board



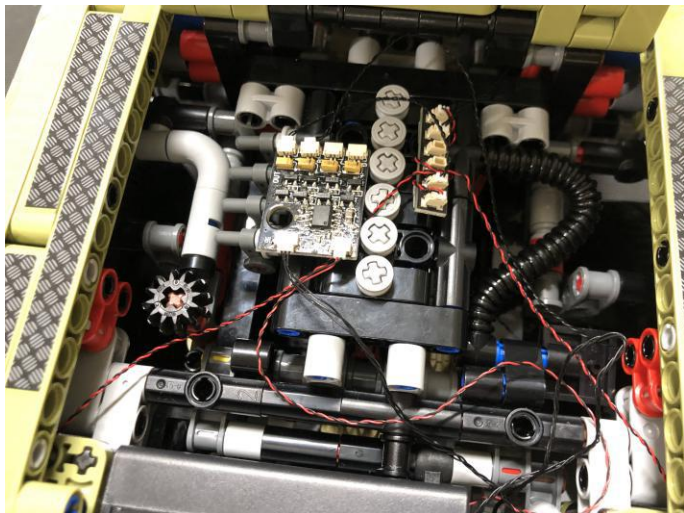
Connect the other end of the cable to the expansion board



Take the AAA battery pack, connect it to the input port on the Remote Control Switch Board



Place the battery pack to the following place, stick the Remote Control Switch Board with the adhesive squares



This completes installation of this LED Lighting Kit. ENJOY!

