Fiat 500 # light # 10271 Lighting Kit
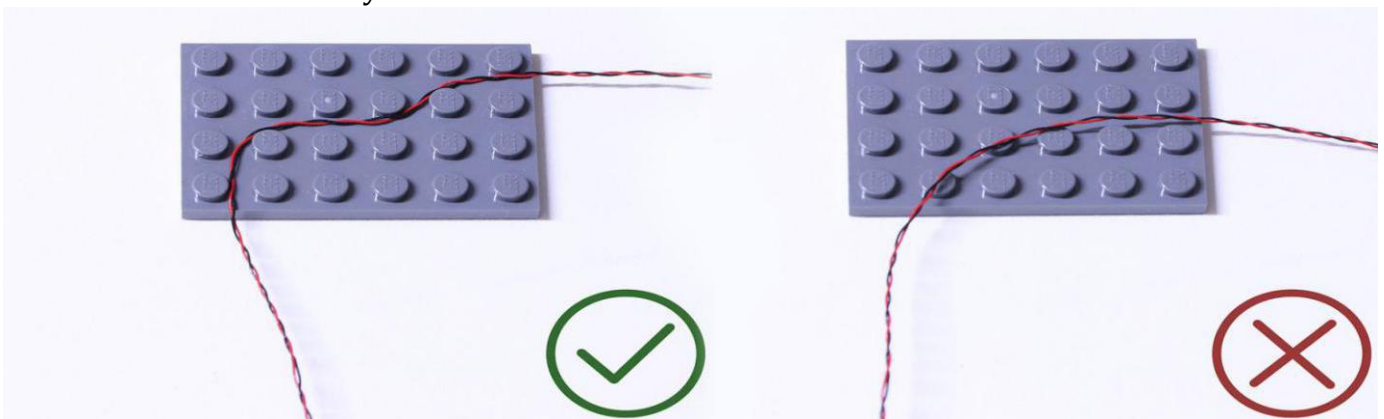
Package contents:

- 4 x 15cm Warm White Dot Light
- 4 x 15cm Red Dot Light
- 2 x 15cm Yellow Dot Light
- 1 x Warm White Strip Light
- 1 x 15cm Connecting Cable
- 1 x 30cm Connecting Cable
- 1 x 6-port Expansion Board
- 1 x 8-port Expansion Board
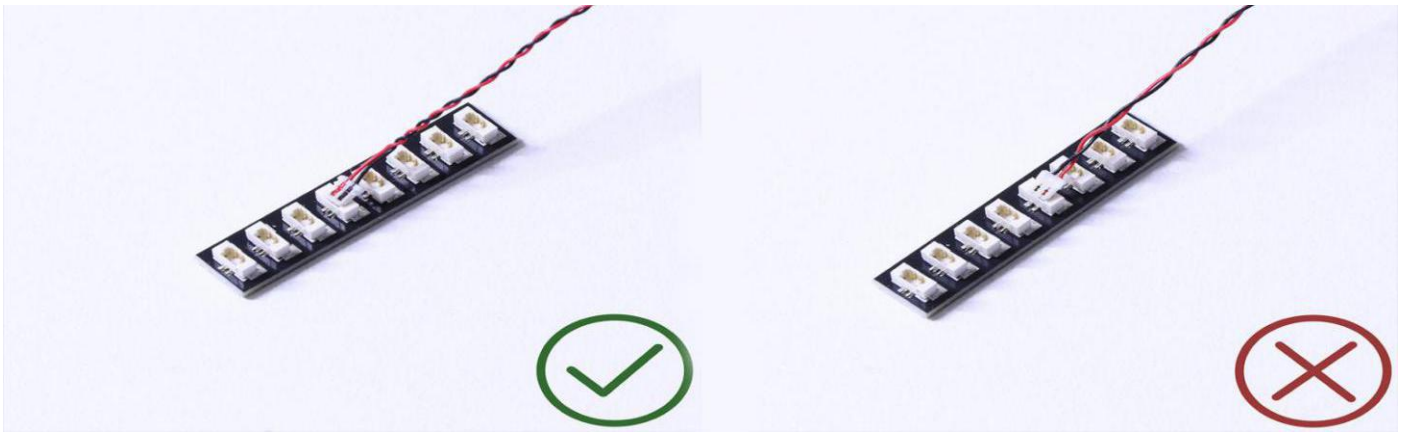- 1 x Button Battery Pack

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.
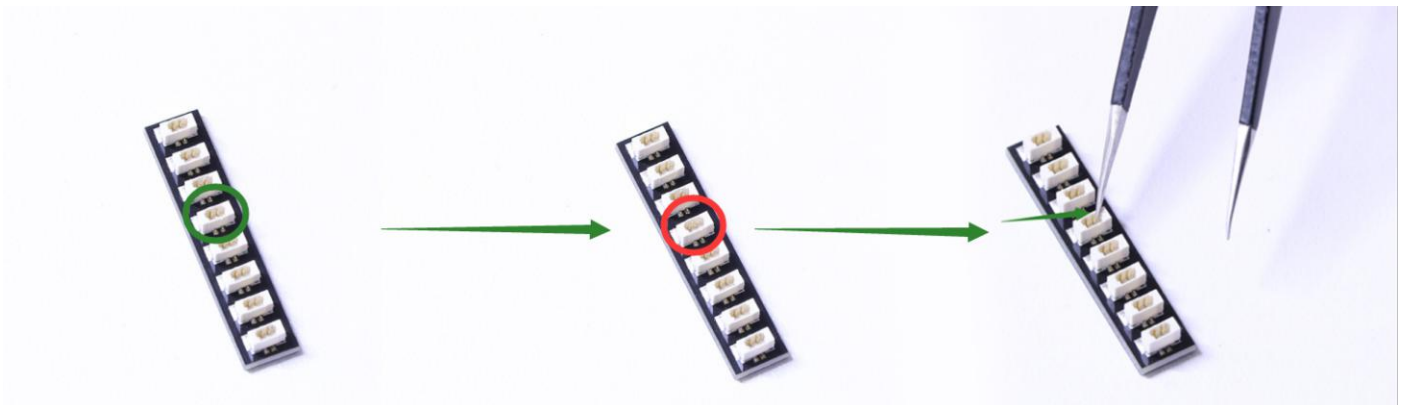

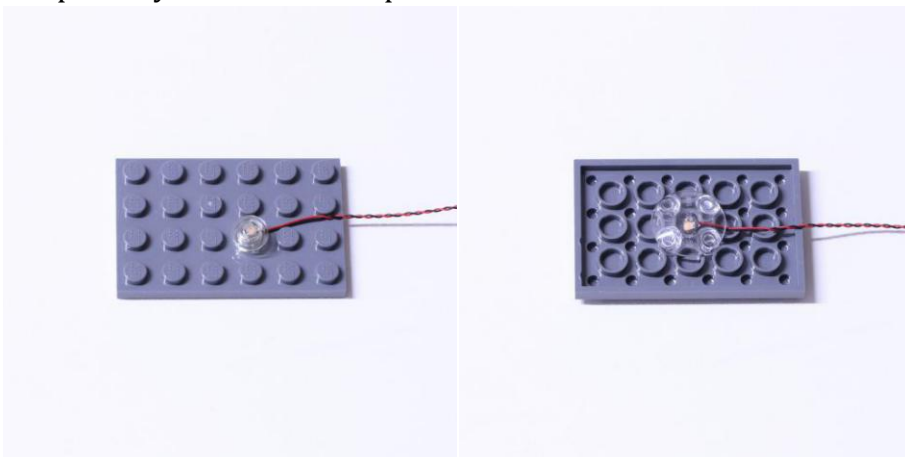Insert the connectors to the ports.
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and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

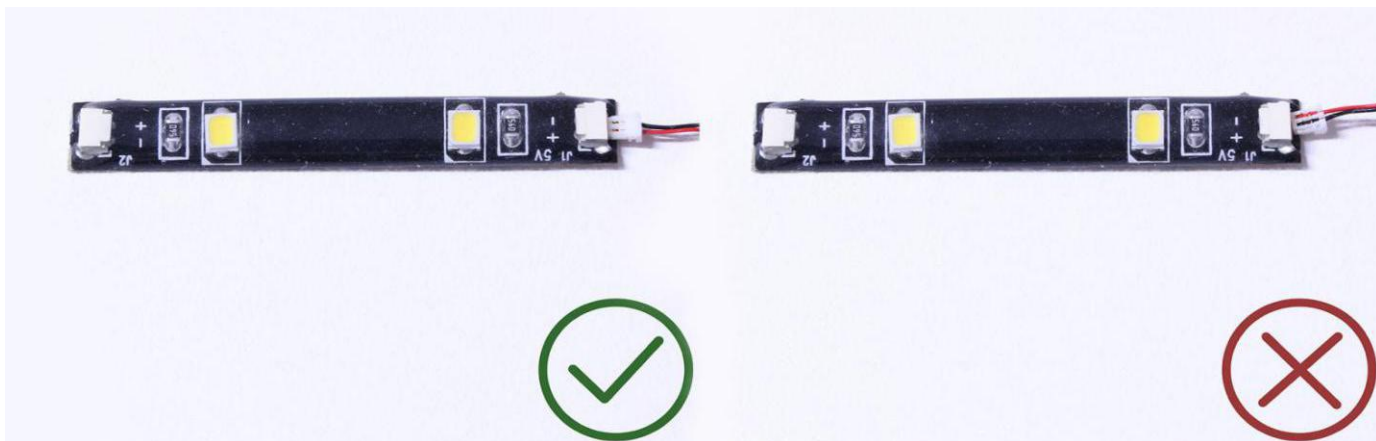At this point, use the tweezers to straighten the bent pins.

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.
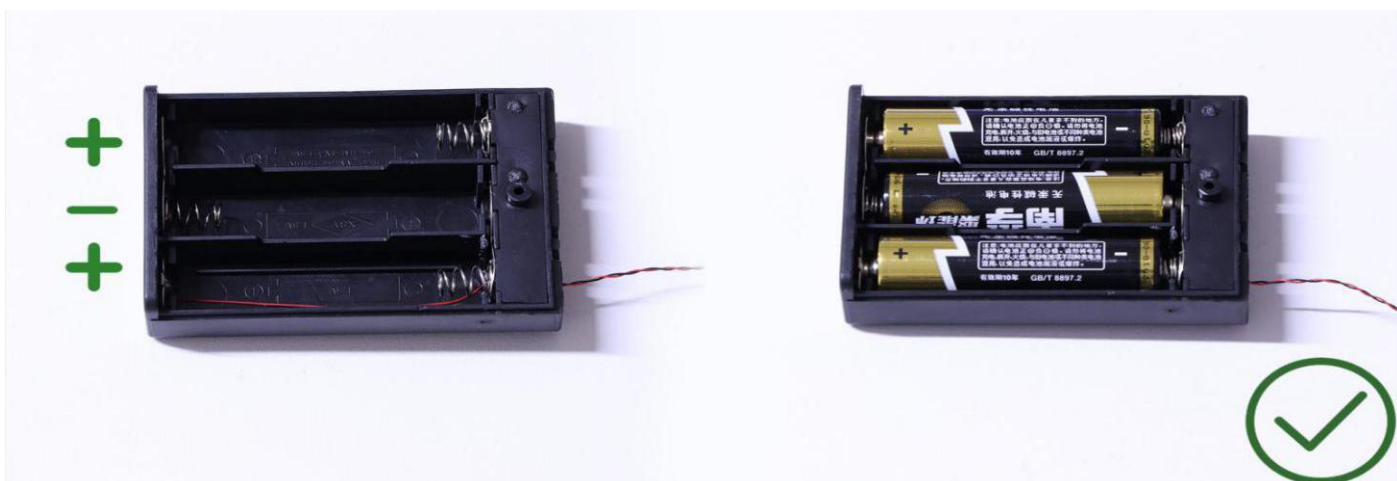

Connecting cable connectors to Strip Lights

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:

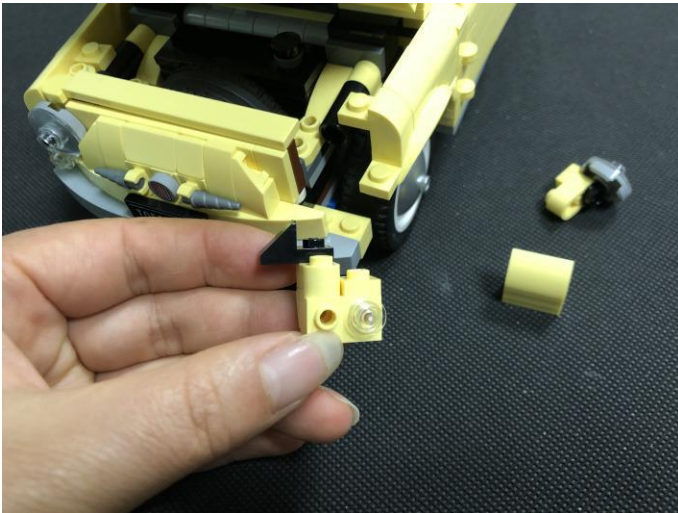Let's begin!

Let's start with the headlights

Open the front cover and remove the right headlight, as shown below
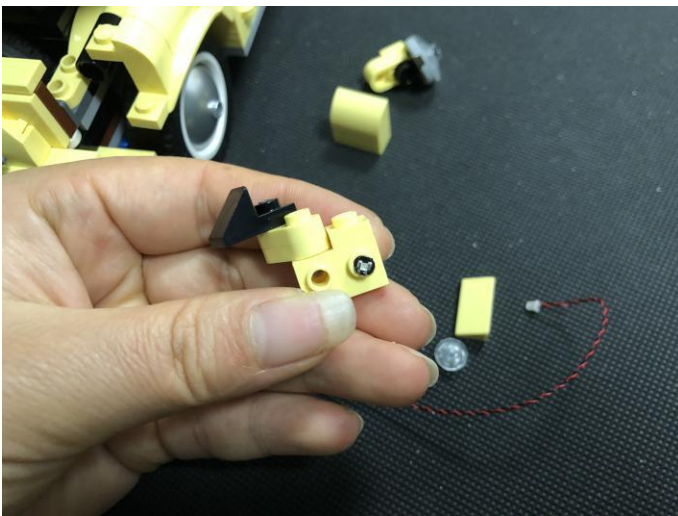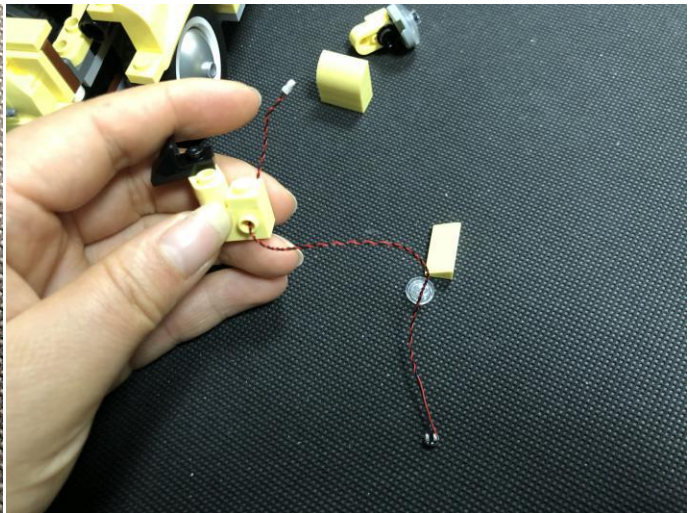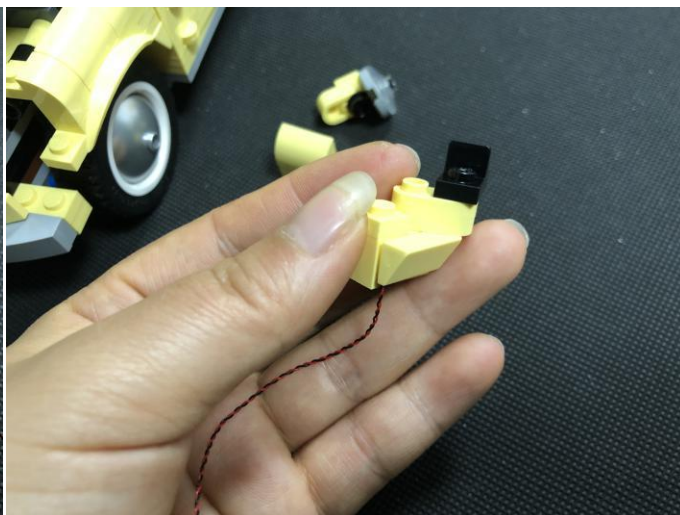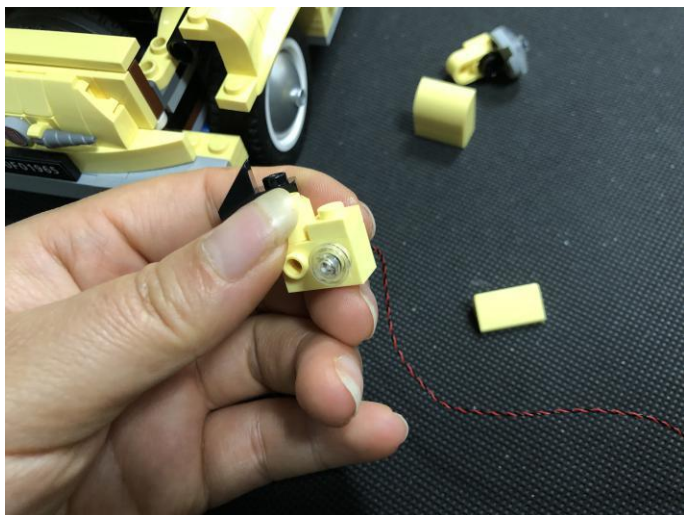

Remove the following LEGO pieces

Remove the car light as shown below, and remove the 1x1 transparent small circular plate and the 1x2 oblique brick on the back, as shown in the figure below
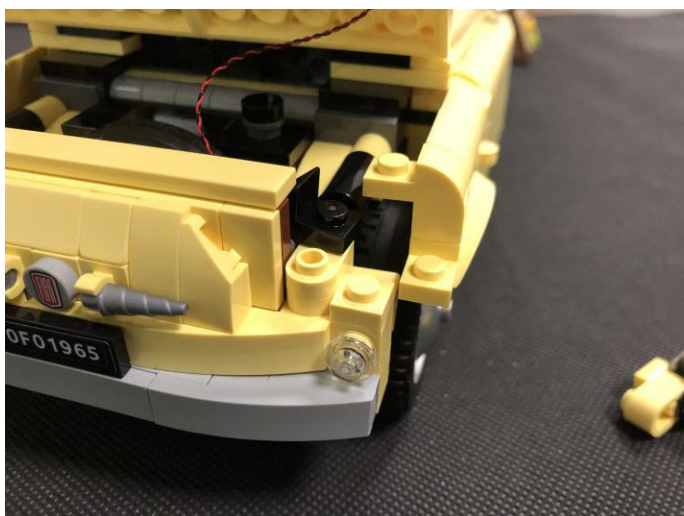

Take one 15cm yellow dot light, and pass the end of the light cable through the hole of the LEGO piece to the end of the dot light, as shown in the figure below:

Fix the dot light with the removed 1x1 transparent small circular plate, and replace the 1x2 oblique brick removed from the back, as shown in the figure below.
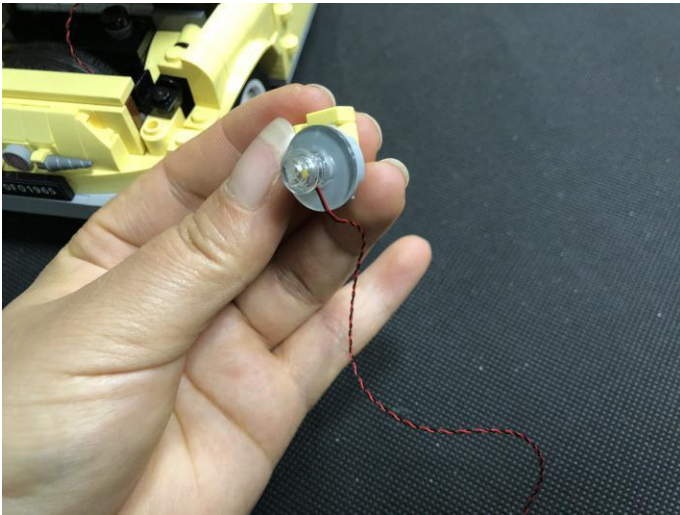
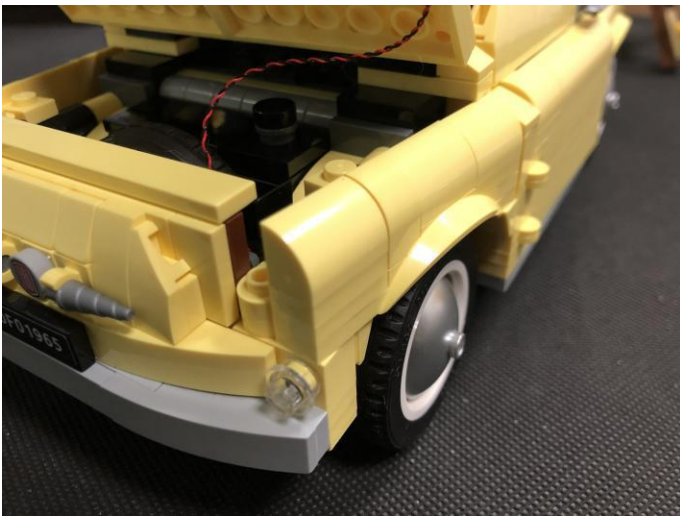Restore the building blocks as shown below

Take one 15cm warm white dot light, one 1x1 transparent small circular plate, and place the dot light with the dot facing up, as shown in the figure below
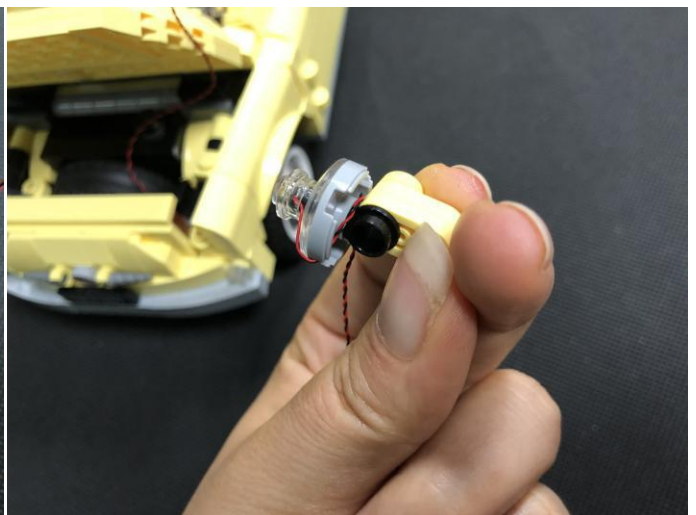

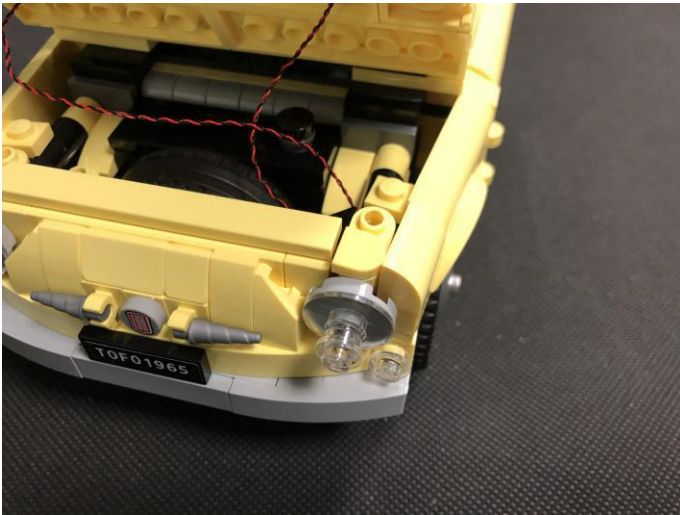Fix the light with 1x1 transparent small circular plate, as shown below

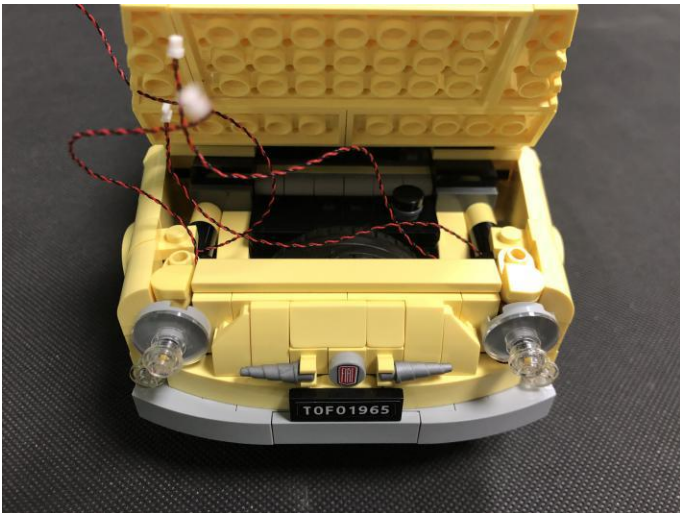Replace the bricks removed on the side, as shown below

Pull the light cable to the back and make another half circle, as shown below
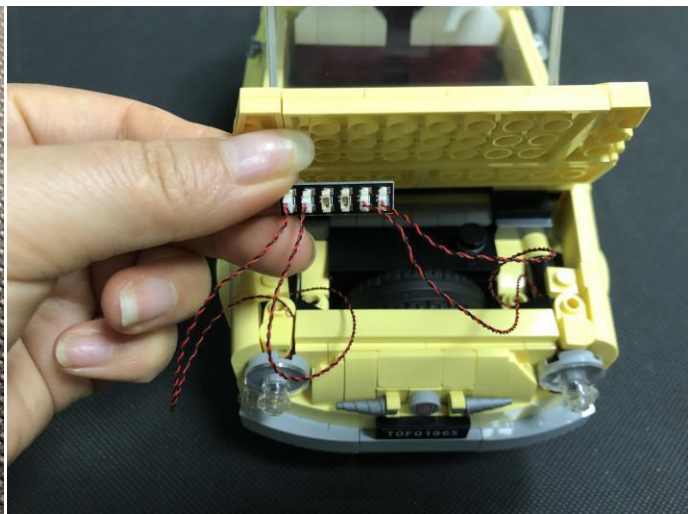

Restore the building blocks with the light cable facing inward, as shown in the figure below
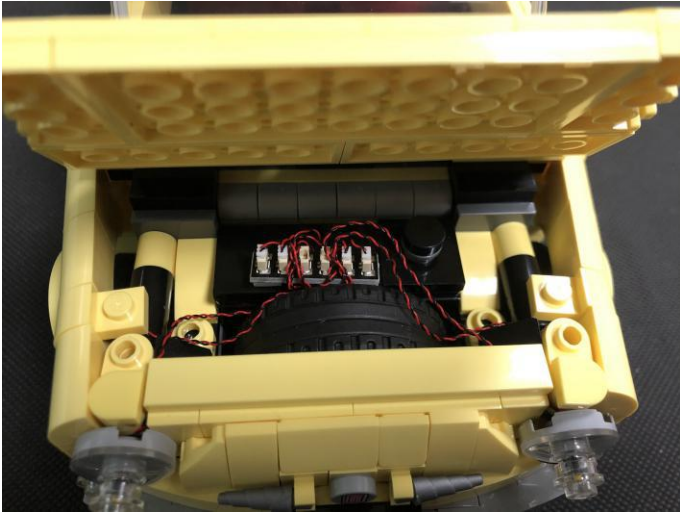
Take one 15cm yellow dot light, one 15cm warm white dot light, one 1x1 transparent small circular plate, repeat the above steps to install two lights on the other side

Take a 6-port expansion board and connect the light cable to the board, as shown in the figure below:
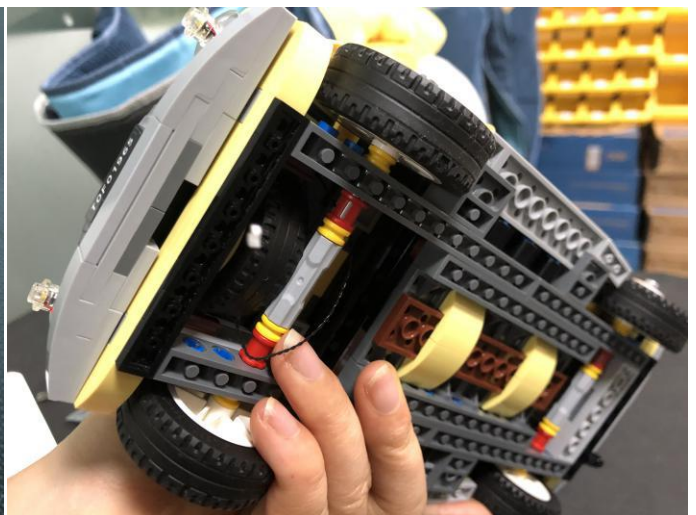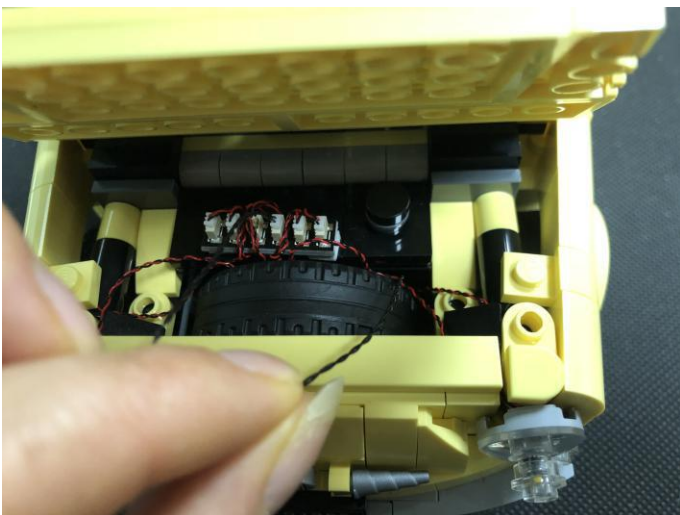

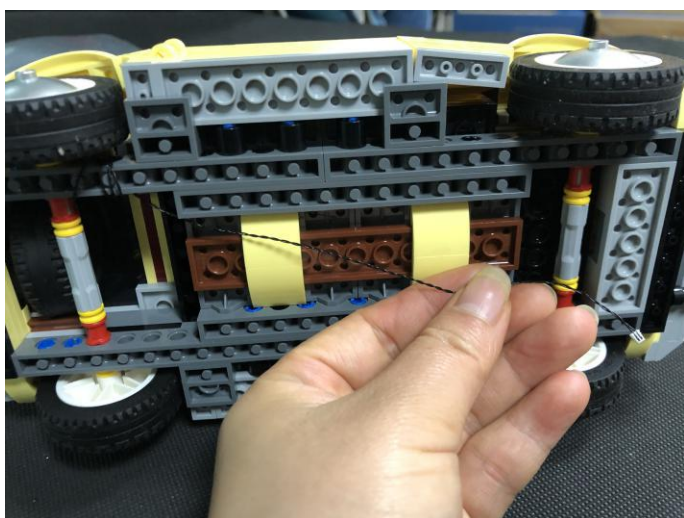Organize the light cable, and stick the expansion board to the position shown below with adhesive square

Take a 30cm connecting cable and connect the cable to the board, as shown below
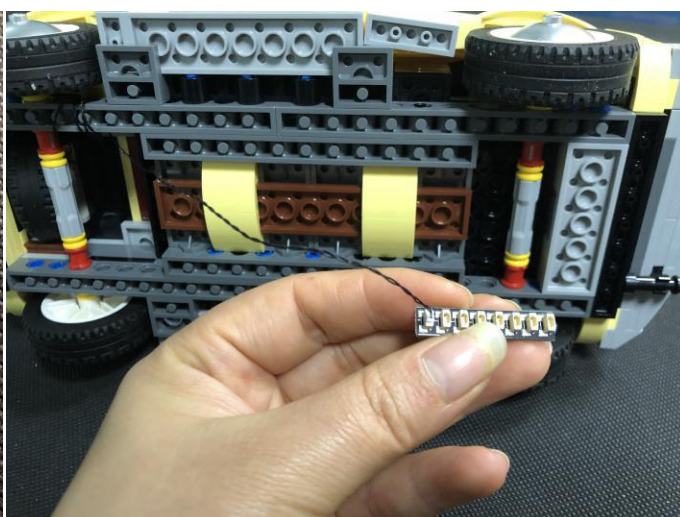

Pass the connecting cable from the gap in the figure below to the bottom of the car, as shown in the figure below
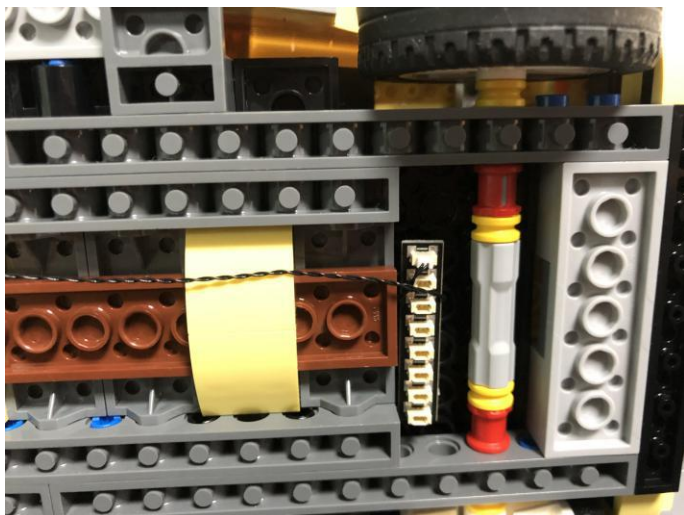

Wound the connecting wire 3 times in the hole of the building block at the bottom, and then pulled backward, as shown in the figure below.

Take an 8-port expansion board and connect the cable to the board, as shown in the figure below

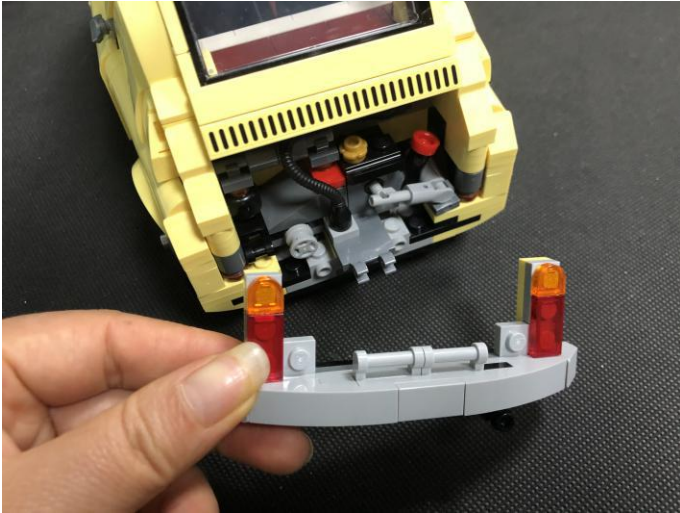Use adhesive square to stick the board at the position shown below

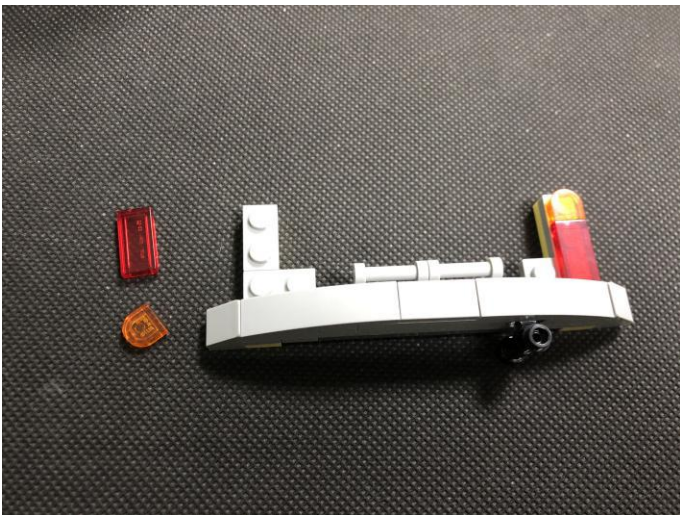Now install the taillights and open the rear lid

Remove the back cover, as shown in the figure below
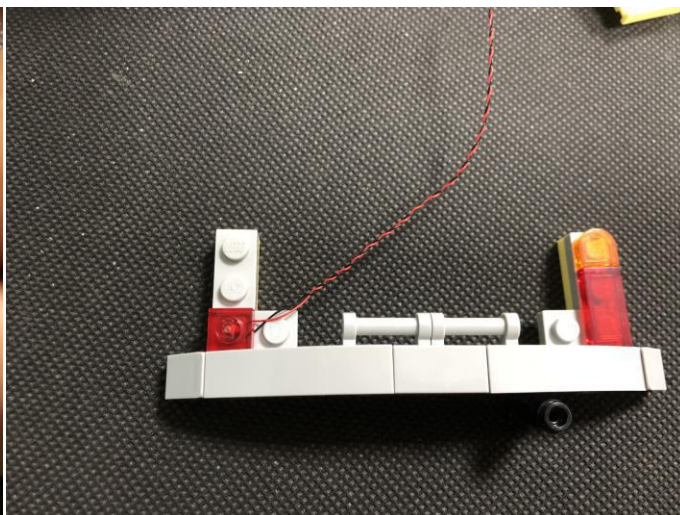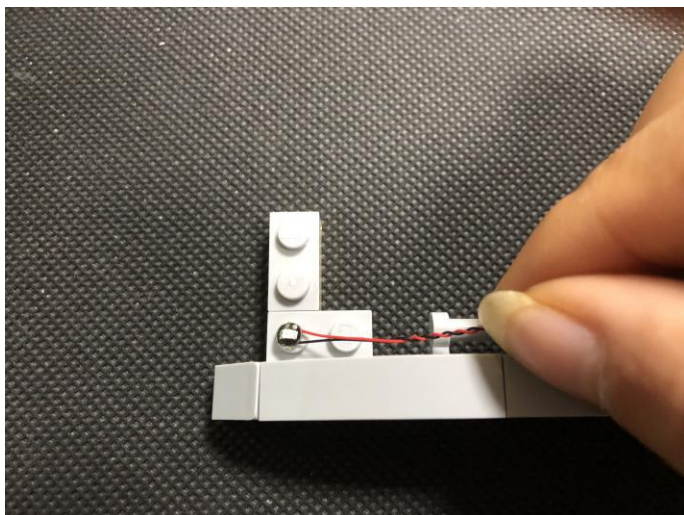

Remove the tail light as shown below

Remove the red transparent piece and the orange transparent piece on the left, as shown in the figure below
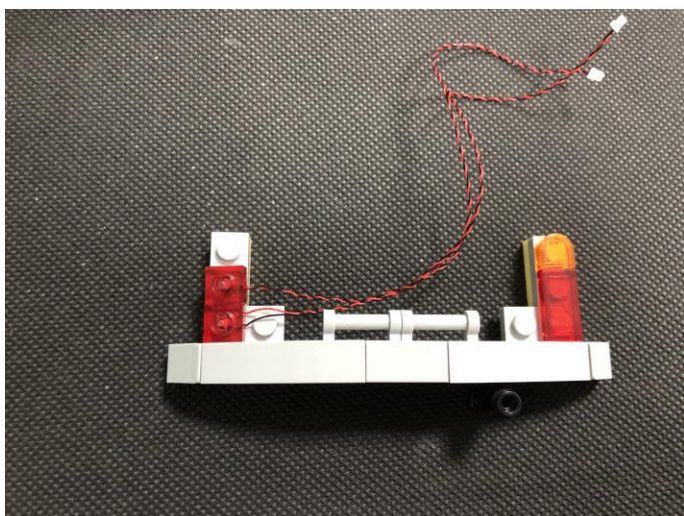

Take two 15cm red dot lights and two 1x1 transparent red base boards

Place the dot lights upward, and fix the dot lights with a 1x1 red transparent base plate, as shown in the figure below
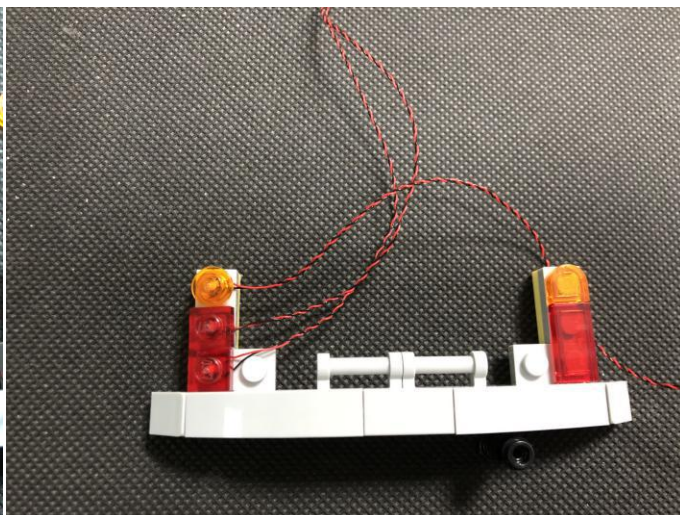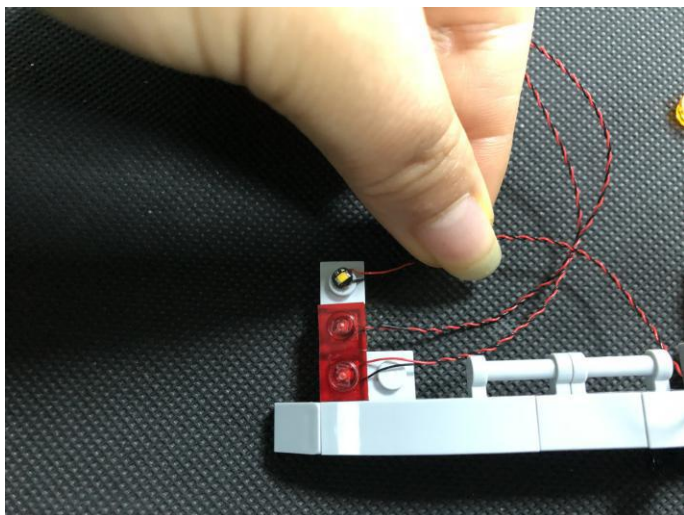
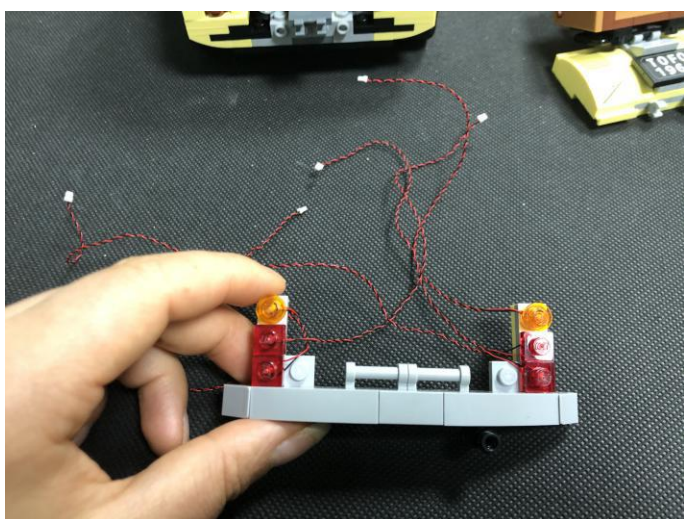Repeat the above steps to install another lamp

Take one 15cm warm white dot light, one 1x1 transparent orange small circular plate
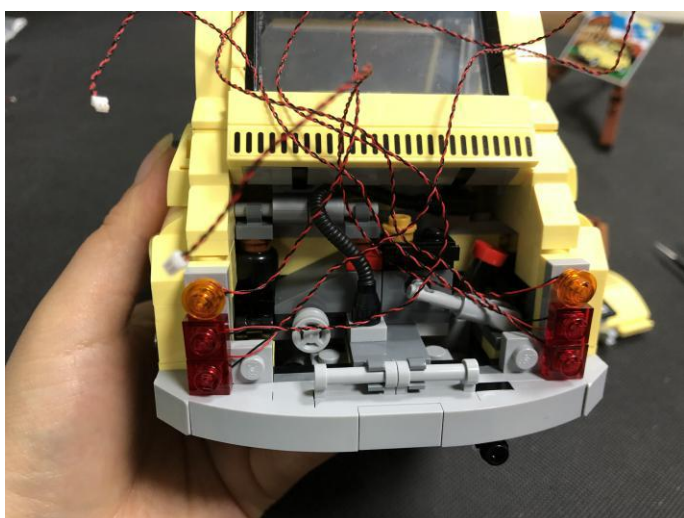

Place the dot lights upward, and fix the dot lights with a 1x1 red transparent base plate, as shown in the figure below
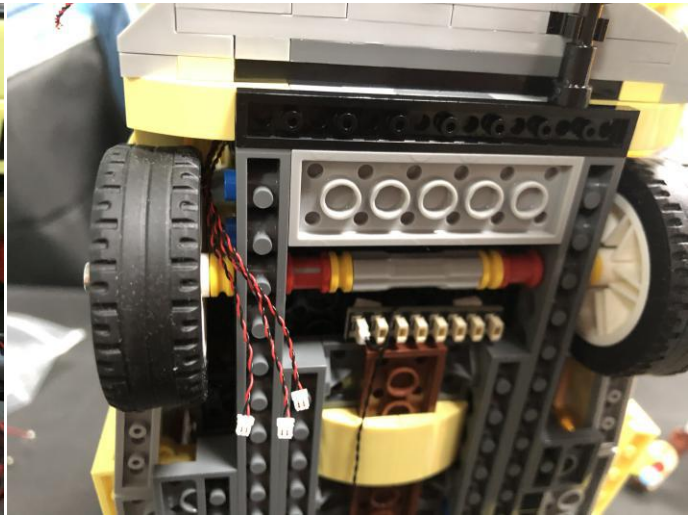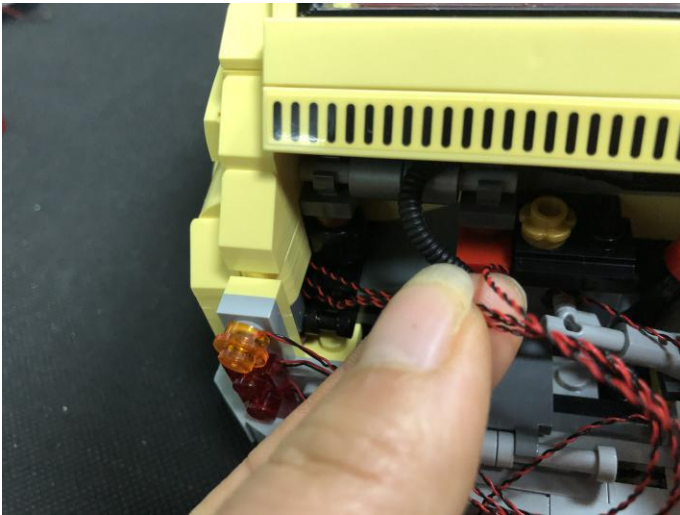
Take two 15cm red dot lights, one 15cm warm white dot light, two 1x1 transparent red base boards, 1 1x1 transparent orange small circular board, and repeat the above steps to install the other tail light
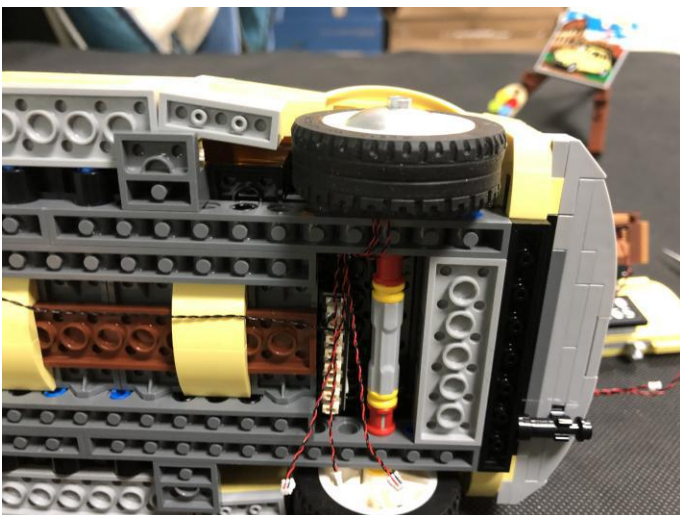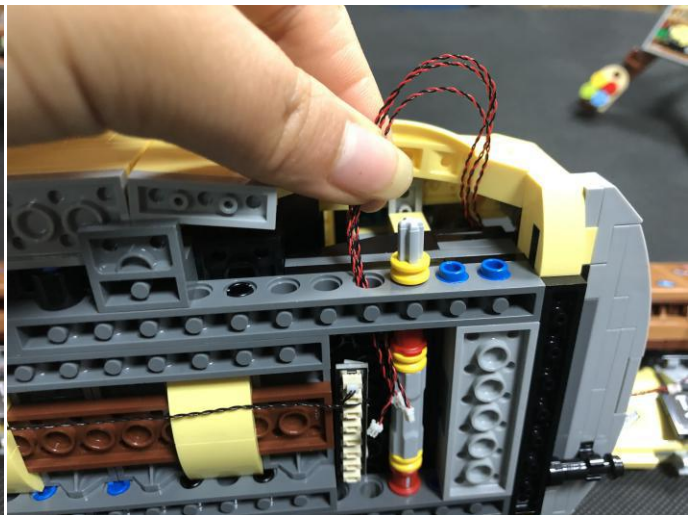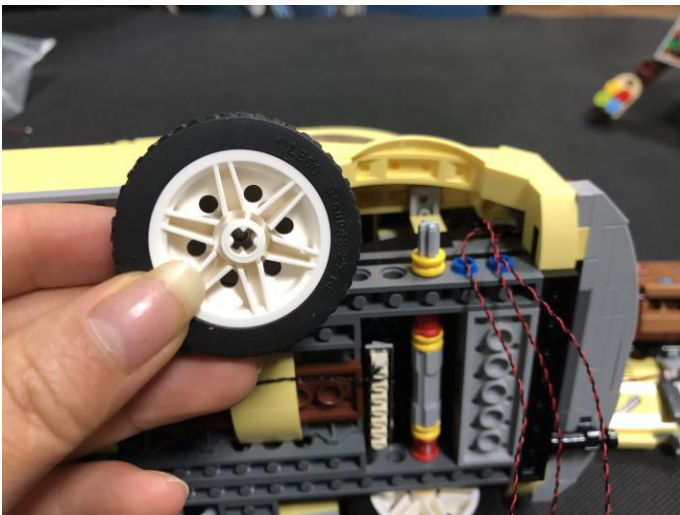

Restore the tail light as shown below

Pass the left light cable from the gap in the figure below to the bottom of the car, as shown in the figure below
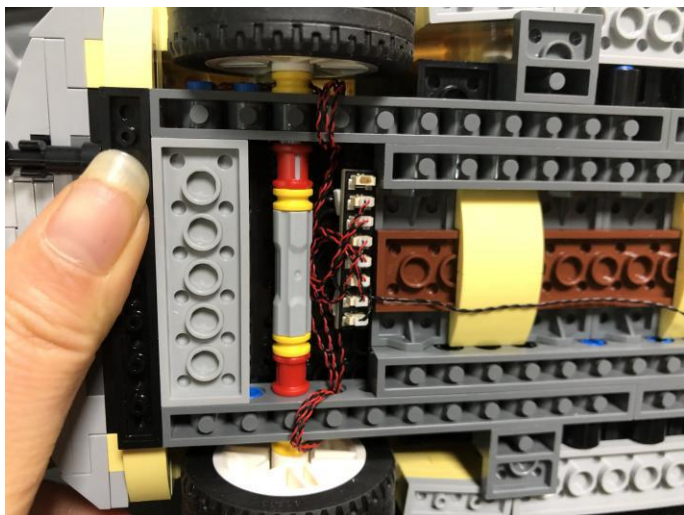
Remove the tire, and then wind the lamp cable through the hole of the building block, and replace the tire, as shown in the figure below.
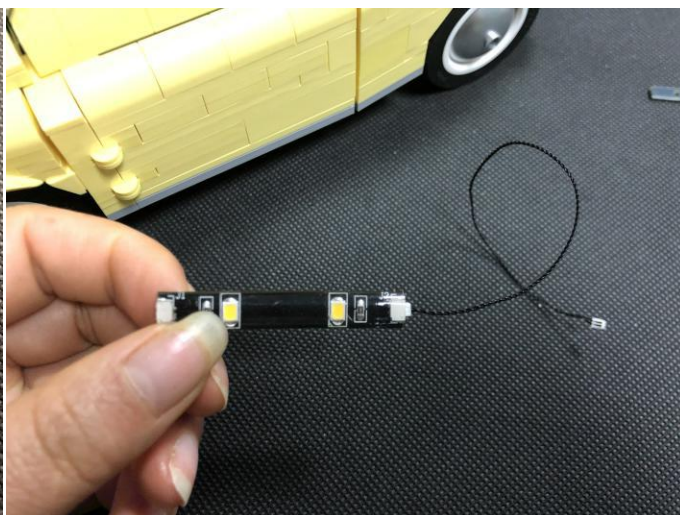

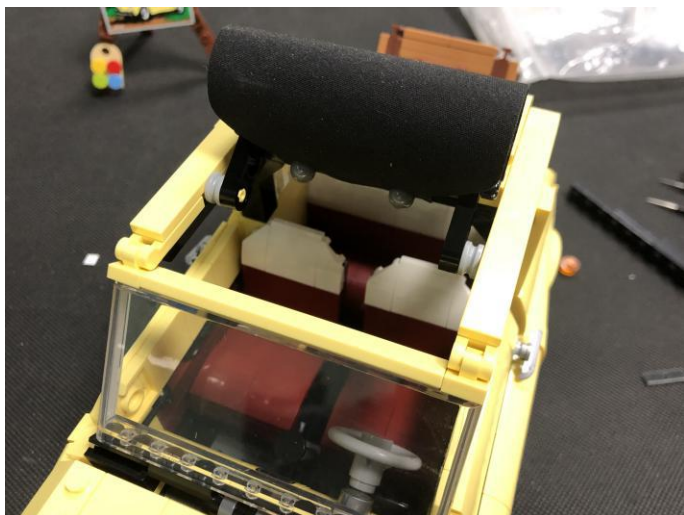Repeat the above method and pass the right light cable to the bottom of the car.

Connect the 6 light cables to the bottom board, as shown below
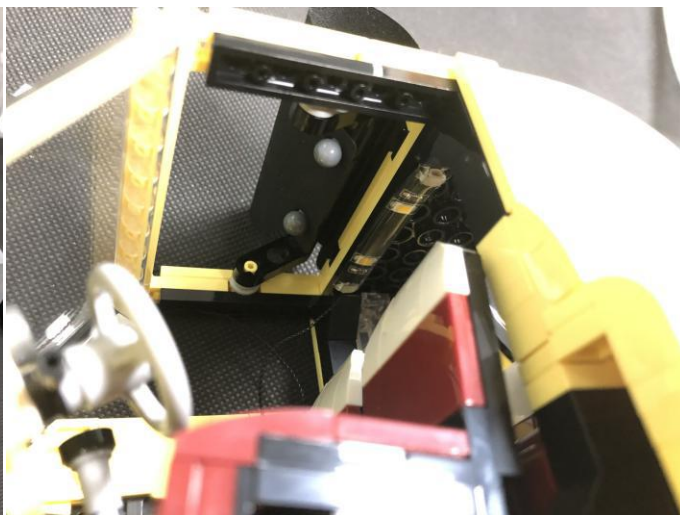
Take a warm white strip light and a 15cm connecting cable, and connect the connecting cable to the strip light, as shown in the figure below
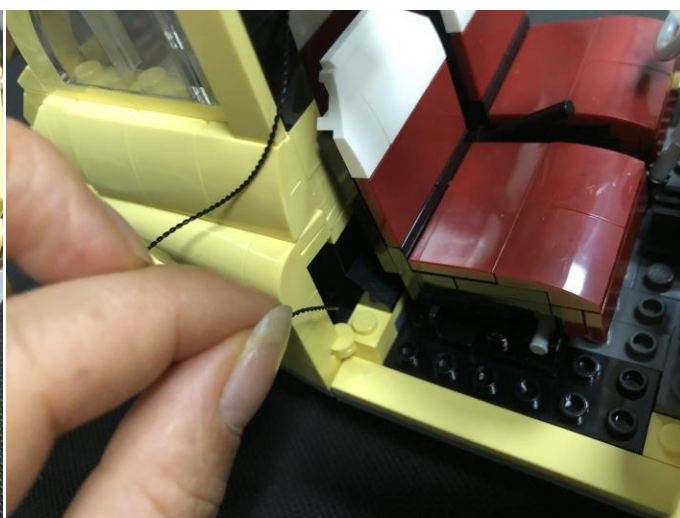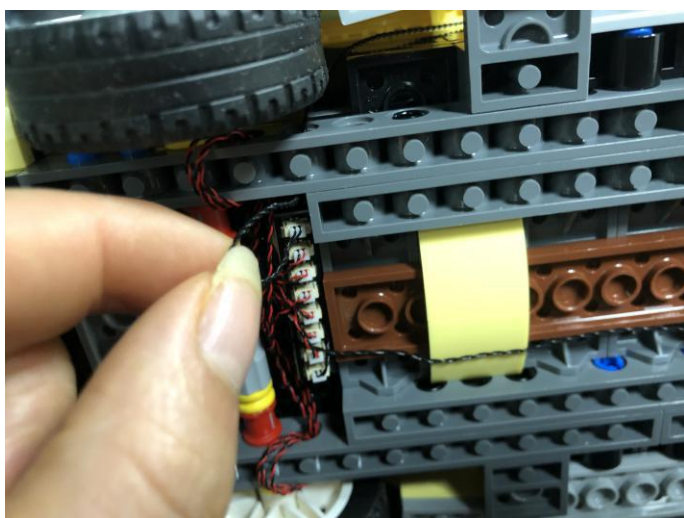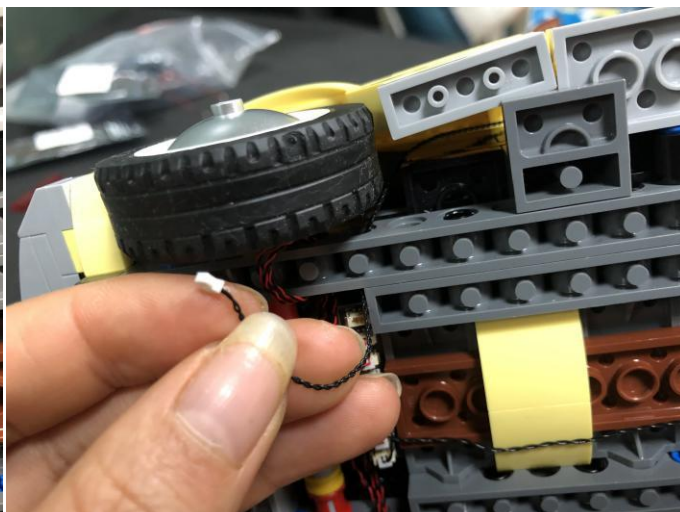

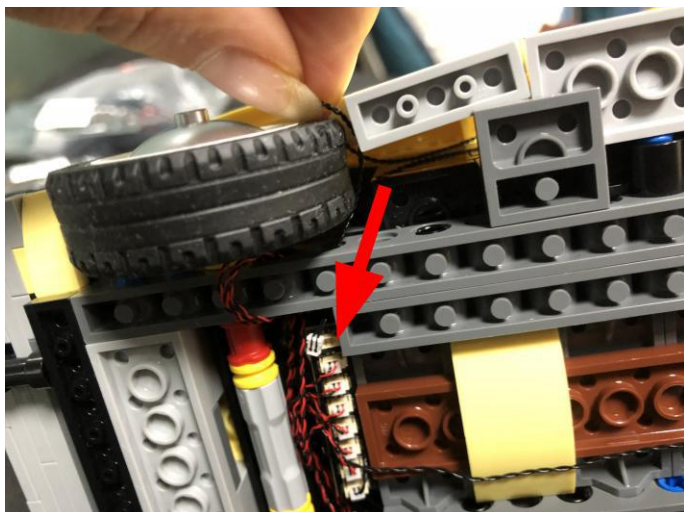Open the sunroof and door, as shown below

Put the car on the side and stick the strip light on the top plate, as shown in the figure below
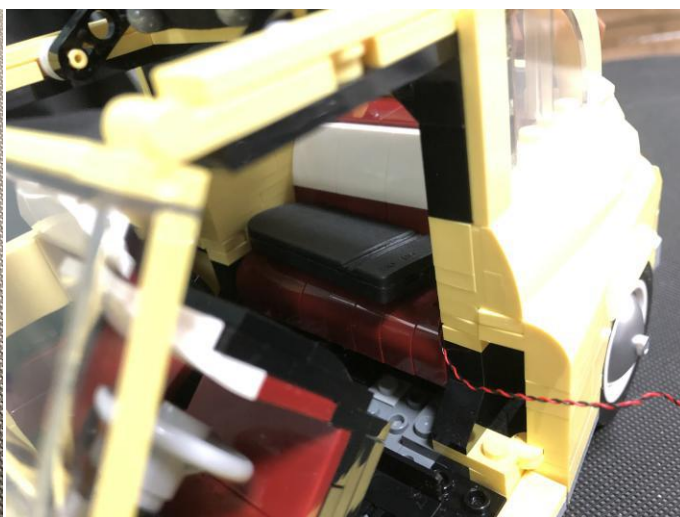
Open the door on the other side and pass the connecting cable from the gap in the figure below to the bottom of the car, as shown in the figure below
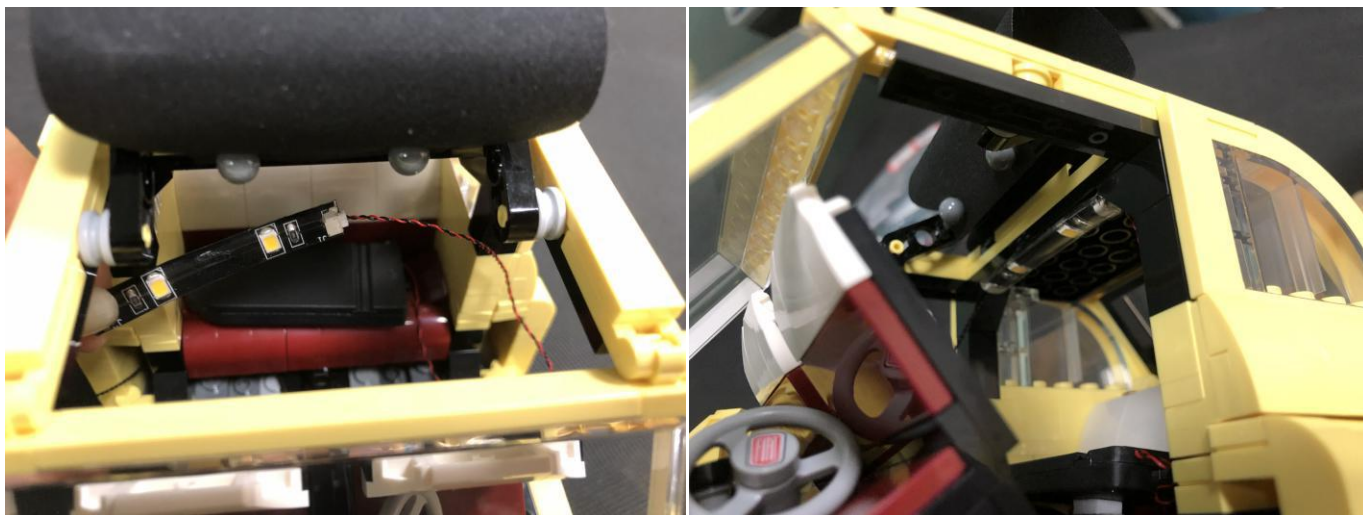

Pass connecting cable through the hole next to the tire, and then connects it to the board, as shown in the figure below

Take the battery pack and stick the it on the back seat, as shown below

Connect the battery pack cable to the free end of the strip light, and then stick the strip light to the roof, as shown in the figure below.

Now this lighting kit is complete!