

# 10242 MINI Cooper MK VII P3702

- **P3702 is the unique code of lighting set, we use this to accurately identify the product you purchased and the corresponding manuals and services you need to obtain. Please make sure your product code is the same as the label on the back of the box shown “10242 P3702”.**
- **Installation requires a lot of patience and great observation that your LEGO bricks will come alive when you get this finished. The bricks with lighting as below, so make sure you're ready and let's get started.**



# Strategies for the Installation

This instruction divides three sections to complete the installation of the lighting set.

## **Section A:** Check the type and quantity of components.

The quantity and type of components of each products are different and it needs to be carefully checked to make sure there do have enough material.

The type of components is indicated by the label on the bag.

## **Section B:** Test that each components is working properly.

Each components is made individually so it is necessary to test that each components is working properly to avoid the situation that the lighting does not work .

## **Section C:** laying out components following the instruction.

Our material is very small but not fragile, just be reminded that don't to pull the wires too hard. For different people, there may be some installation steps that you can't understand. Please look at the previous and later installation step

## **Section A: Check the type and quantity of components.**

**There are 7 bags in this set. The name and quantities of specific components are as shown , please check carefully.**

Label	Content	Quantity
Bit Lights-30CM-Warm White	Bit Lights-30CM-Warm White	9
LED Strip Lights-Warm White	LED Strip Lights-Warm White	1
Expansion Board	12 Socket Expansion Board	1
AAA Battery Box	AAA Battery Box	1
Connecting Cables-30CM	Connecting Cables-30CM	2
Switch Module	Switch Module	1
Parts package		

**Please contact us immediately if there have any missing components.**

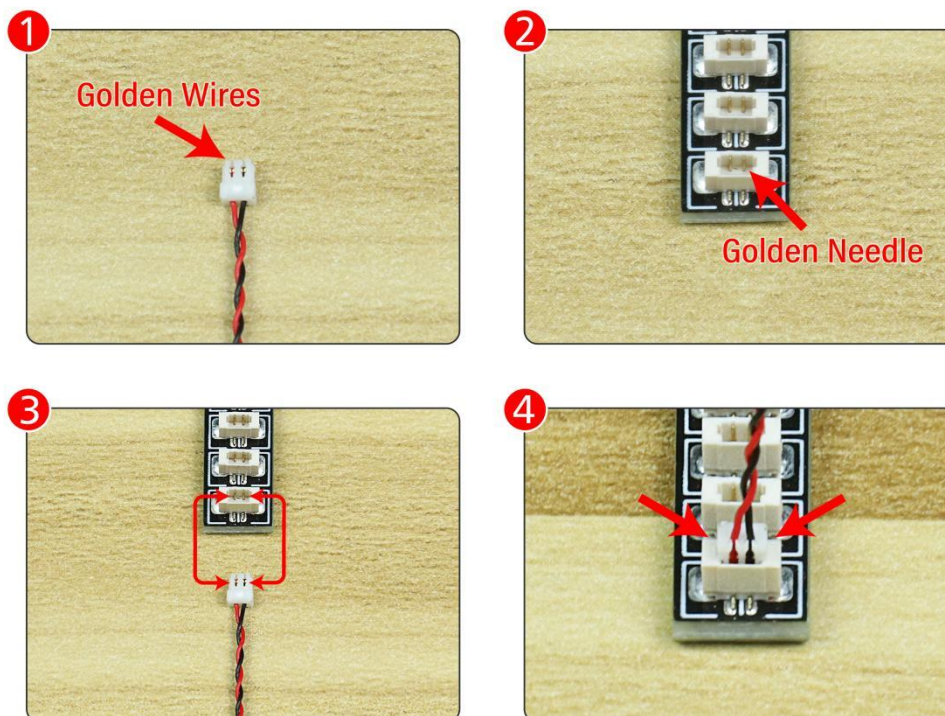
## Section B: Test that each components is working properly.

We need a structure to test all lights, so take out the bag with label “USB Power Cord”and “Expansion Boards”as follows.



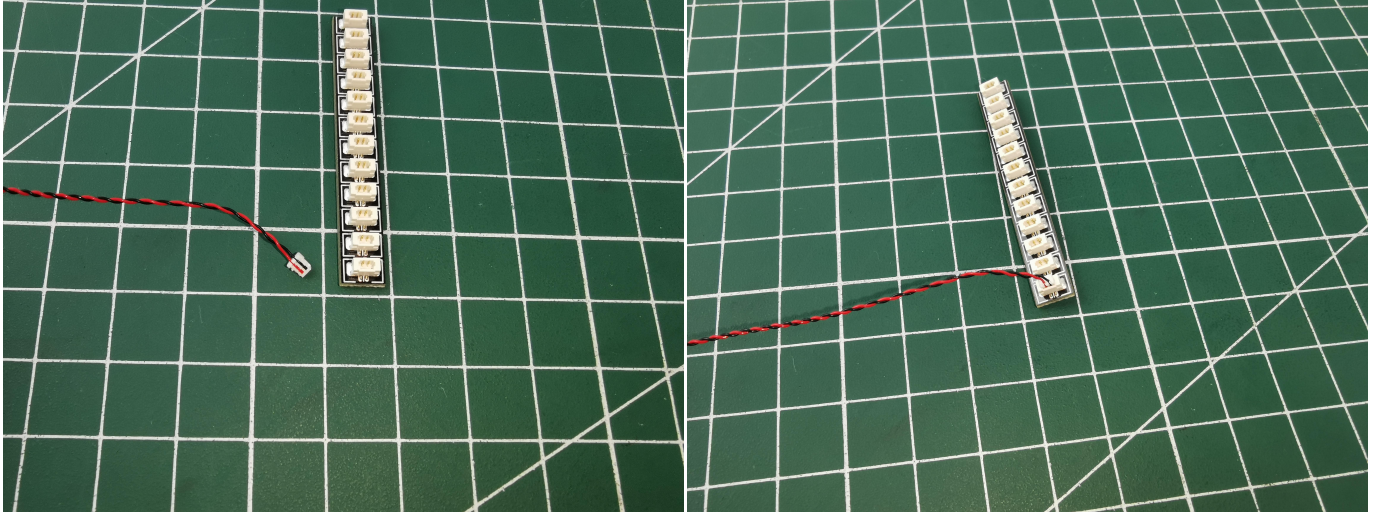
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

Note that on one side of the white plug you can see two very small golden wires that should be connected to the two golden needles in socket of the expansion board.shown as blow.



All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the USB Power Cord and Expansion Boards is as follows:



The USB Power Cord can be powered by phone chargers, power banks, etc.

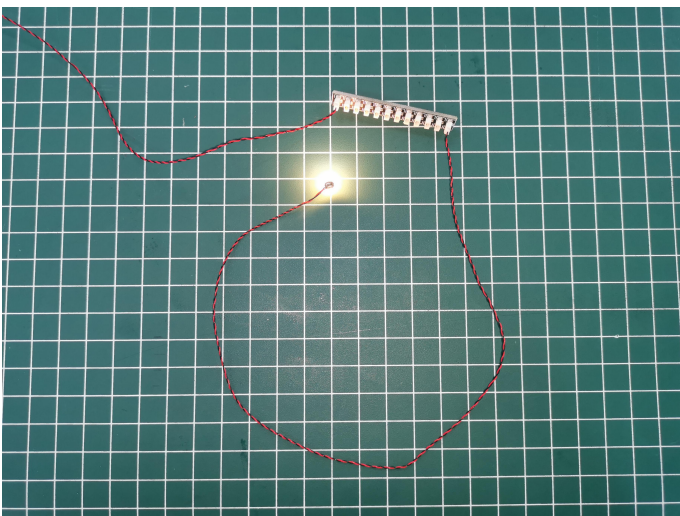
USB connectors to connect devices



**This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.**



**when we test "Bit Lights-30CM-Warm White" particles,Take out the bag labelled "Bit Lights-30CM-Warm White".Take out one of the light and connect it to the socket. Turn on the power bank, the light will turn on normally as shown below.**



**Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.**



**The components needs to be tested in this set is 8\*Bit Lights-30CM-Warm White,1\*LED Strip Lights-Warm White.**

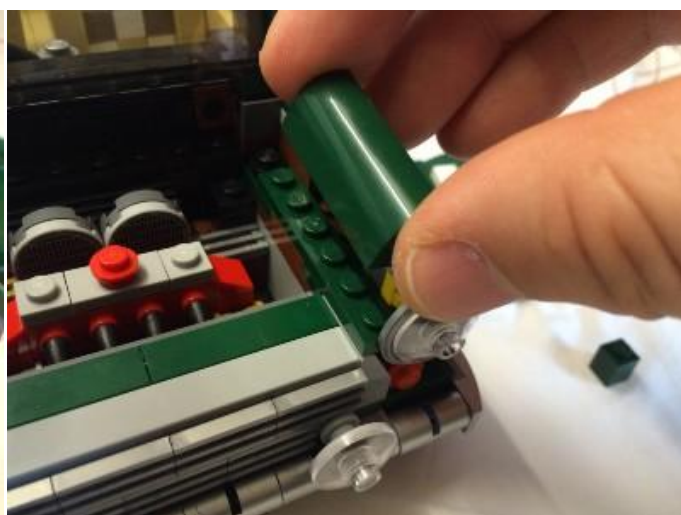
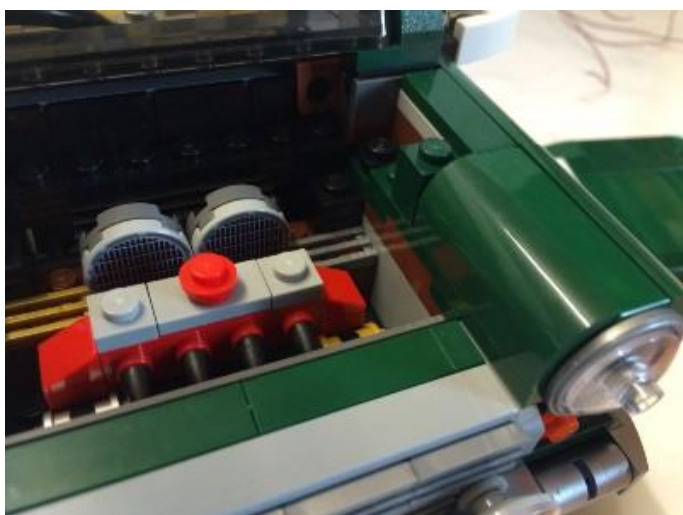
**Please contact us immediately if any components don't work.**

**Section C:** laying out components following the instruction.

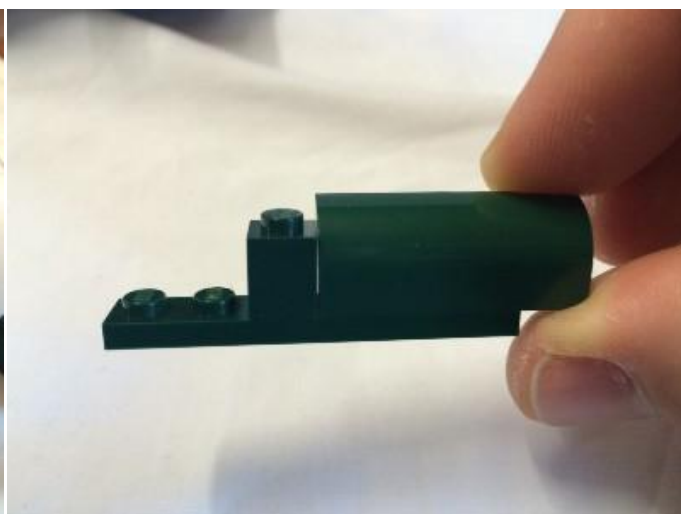
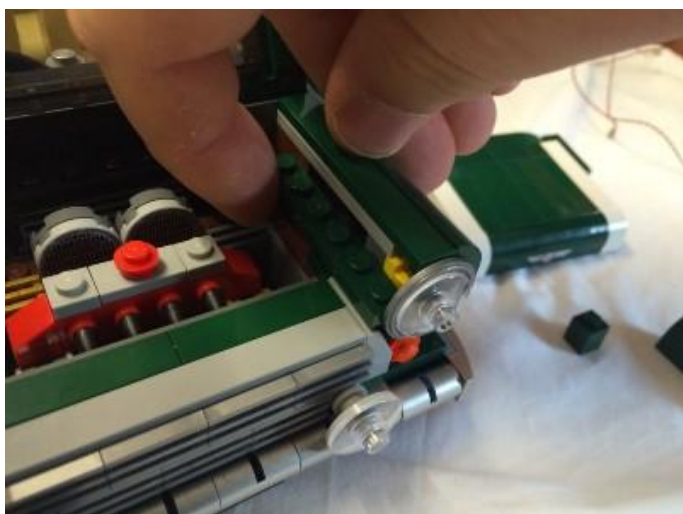
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**2**



**3**

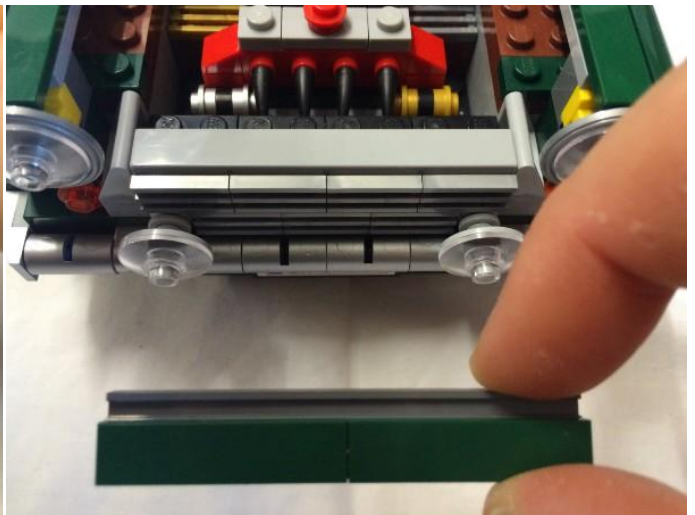
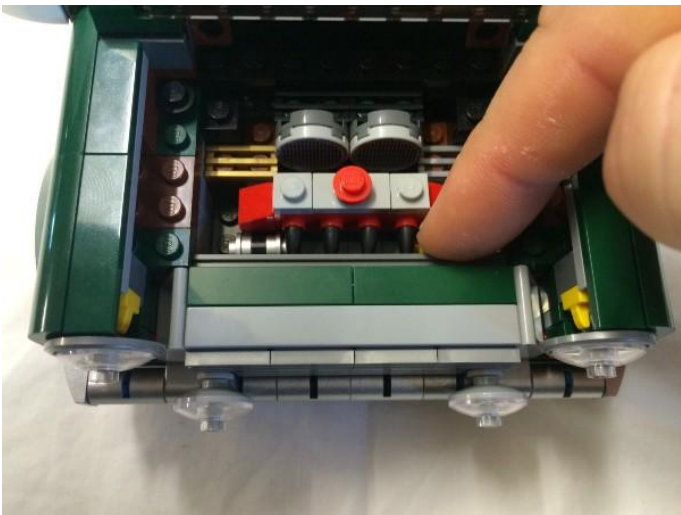




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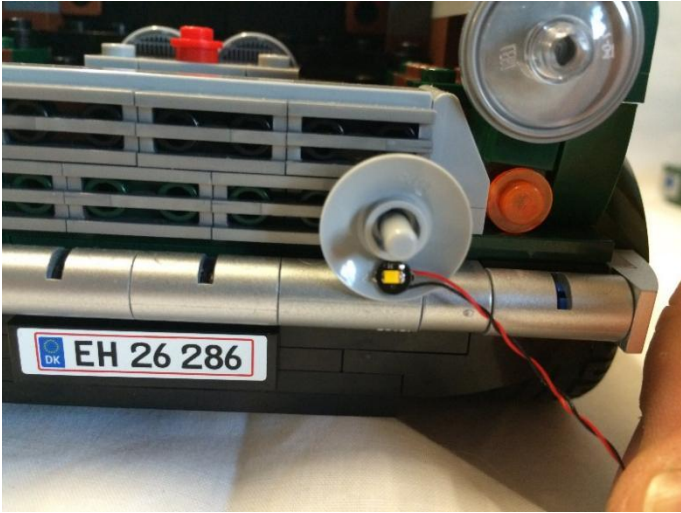
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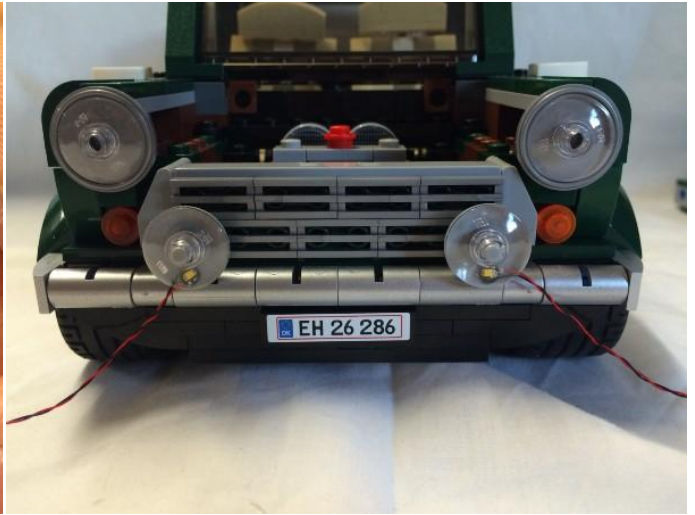
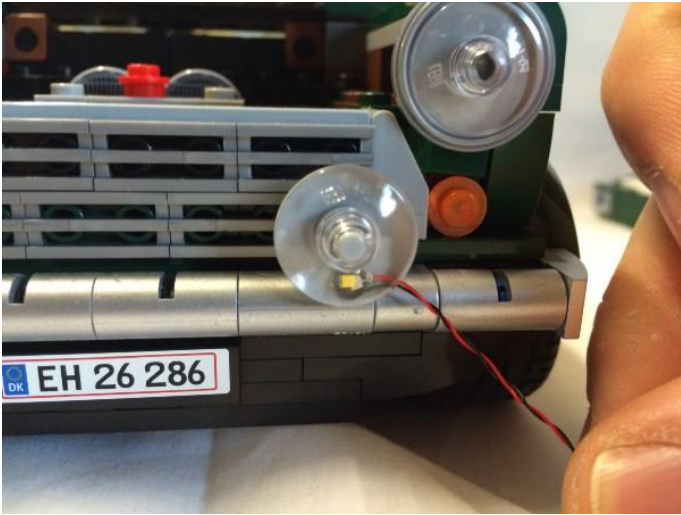
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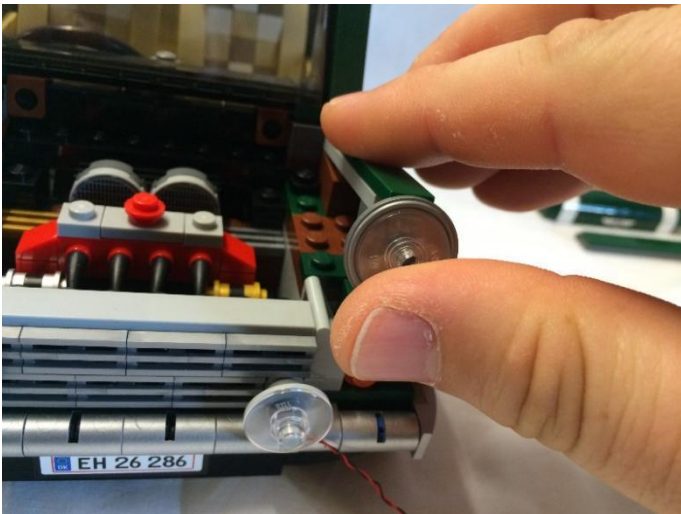
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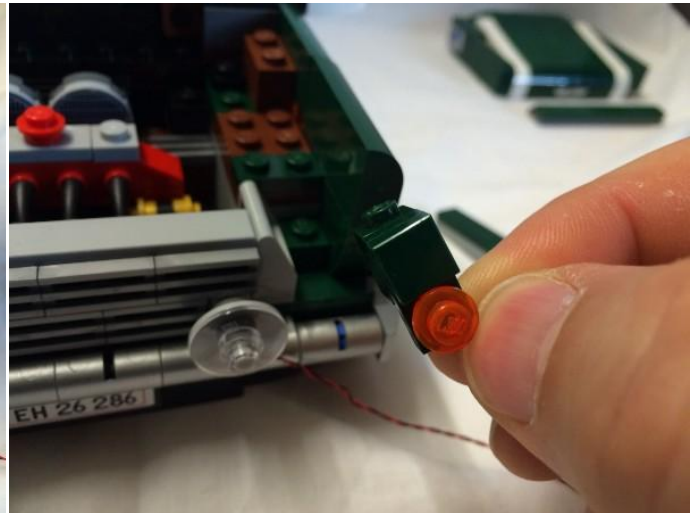
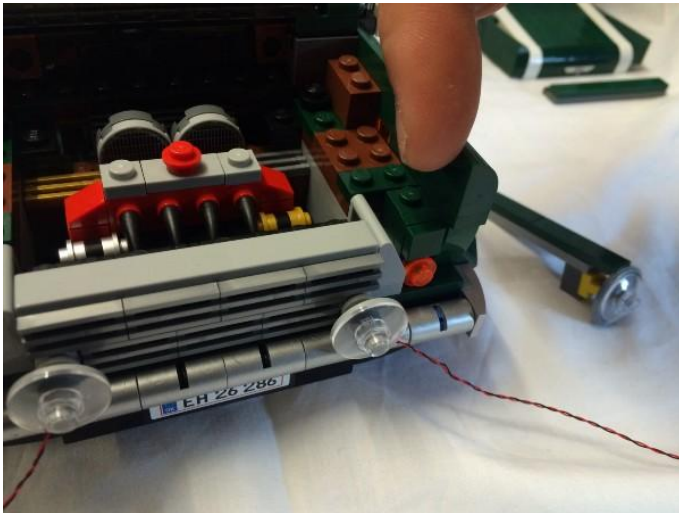
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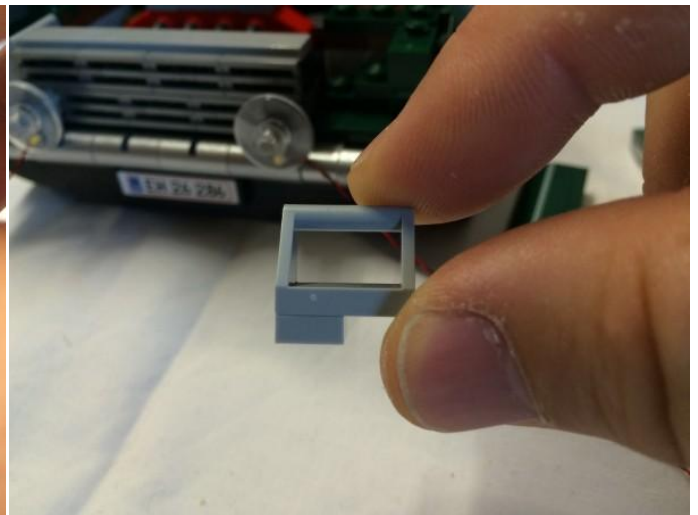
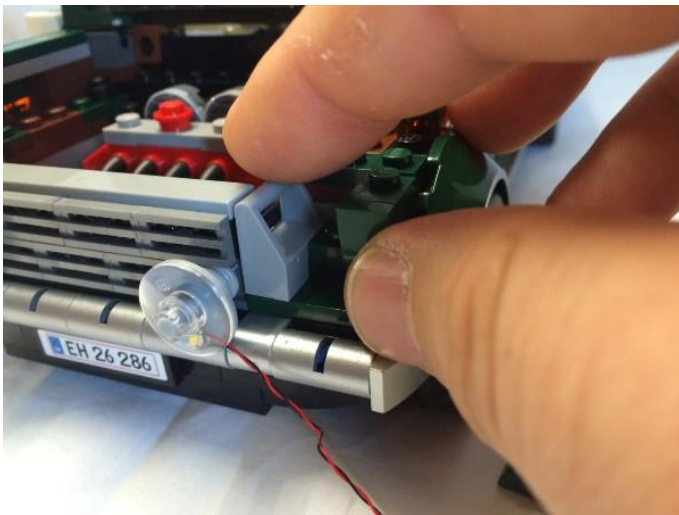
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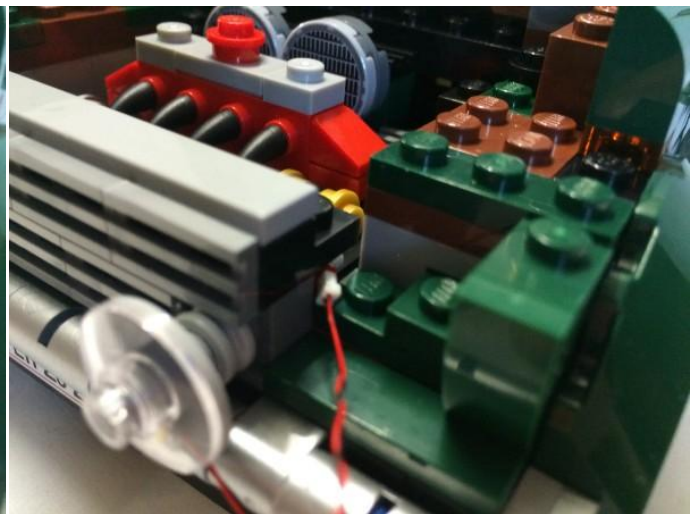
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**13**



**14.** The transparent orange indicator lights that came with this model do not fit our lights underneath them. Get the transparent orange 1 x 1 round plates to use for the indicators.



## Tips

The plate without slit:

### The plate without slit:

The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot or wire is crushed, the wire to be disconnected and don't work.



The plate with slit:

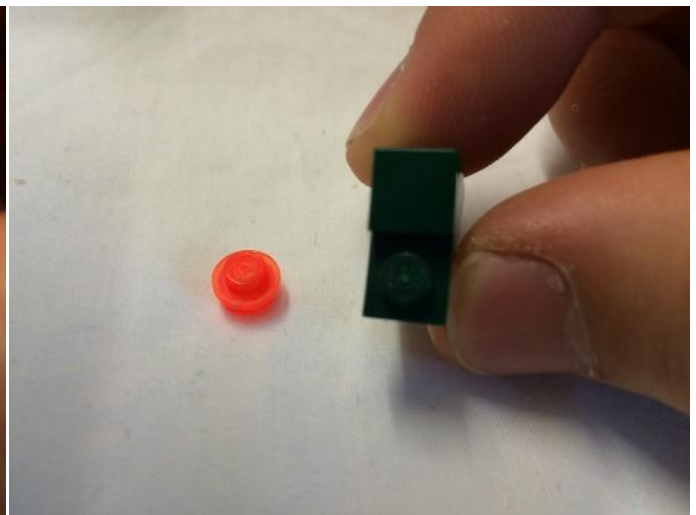
### The plate with slit:

The wire has enough space to avoid being squeezed endowed with longer service life and more stable effect.

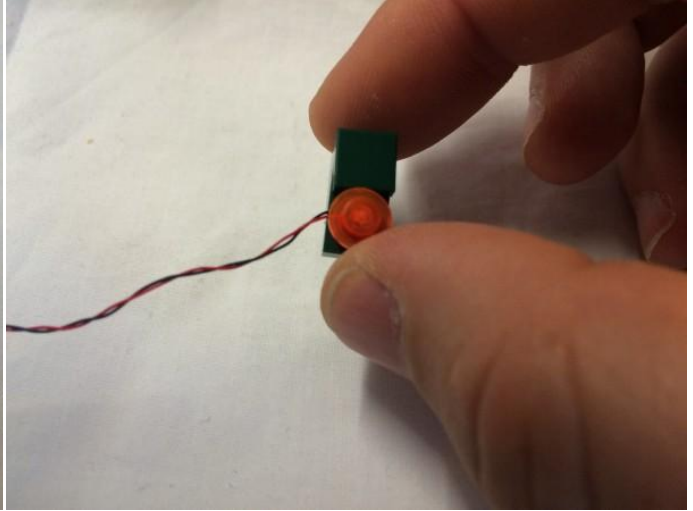
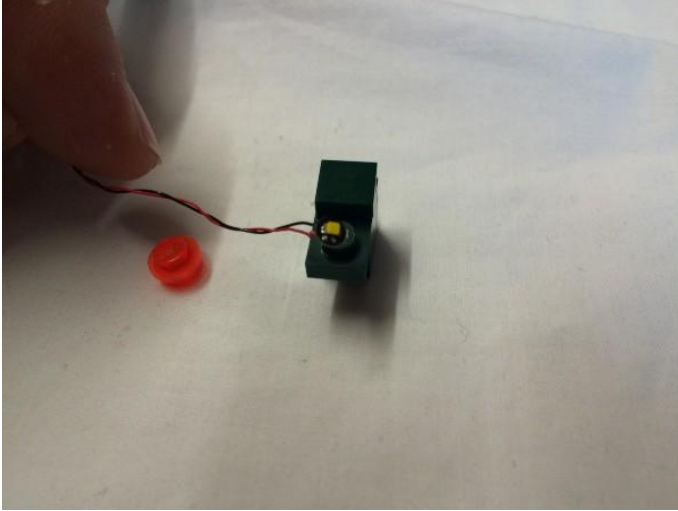


The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormalheat during installation.

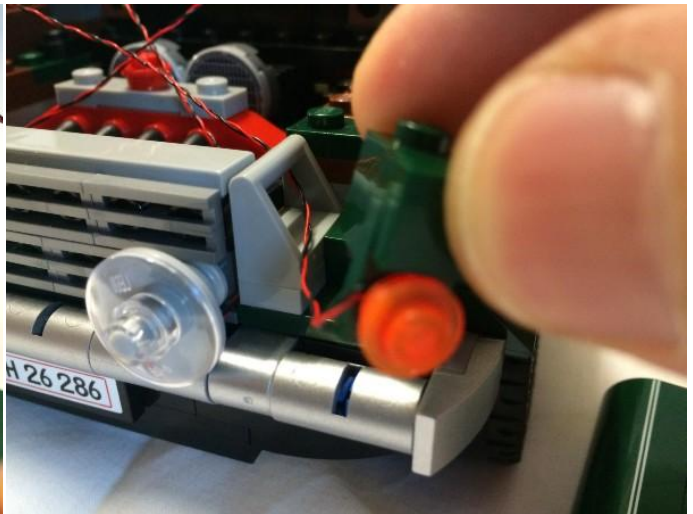
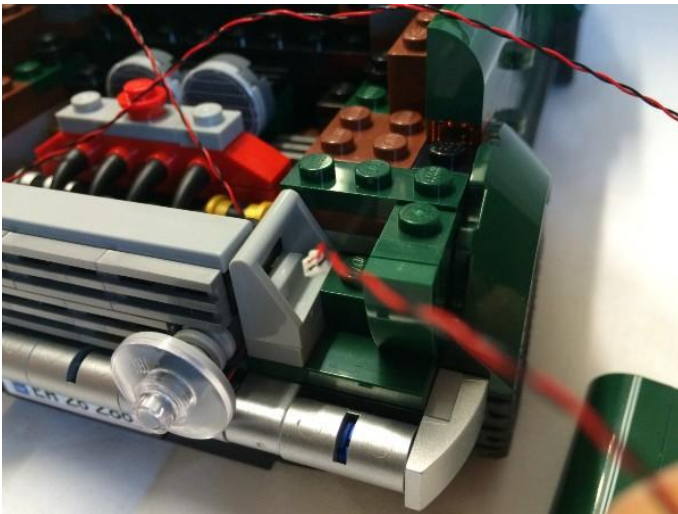
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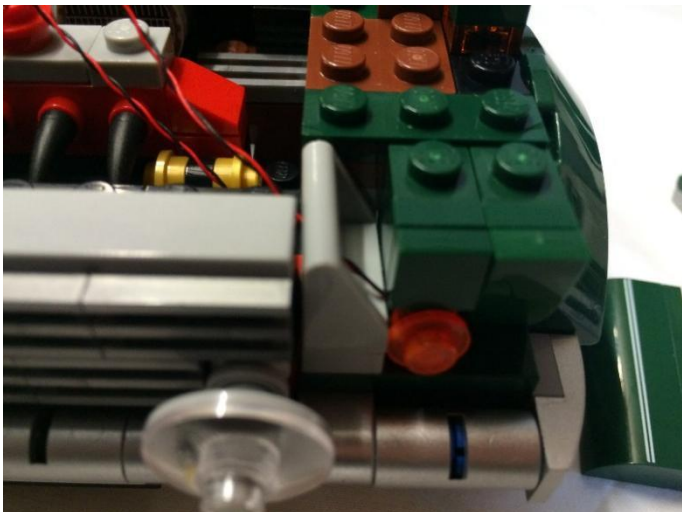
**16.** Grab a White Dot Light and hold it in place above the stud that is now exposed because the transparent orange piece was removed. Gently place a transparent orange 1 x 1 round plate over the White dot light.



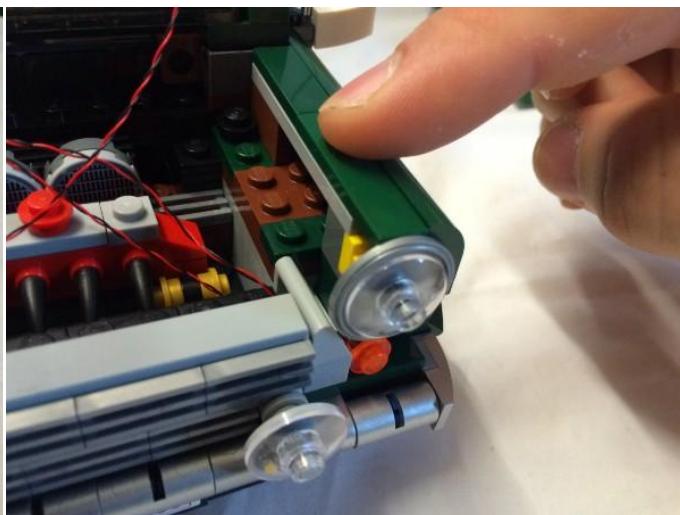
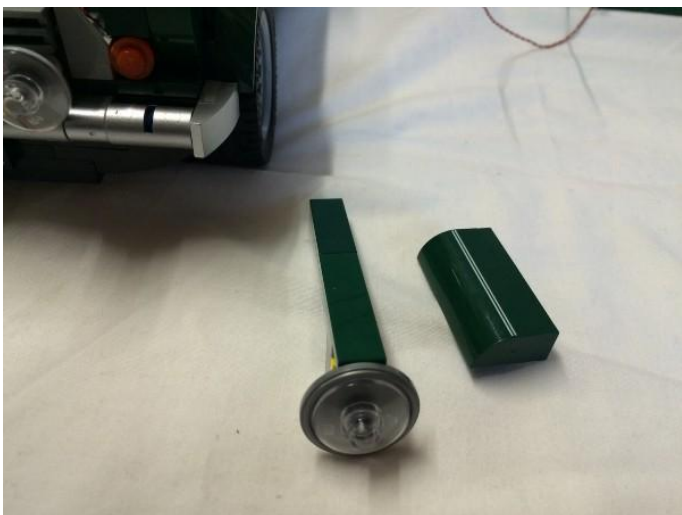
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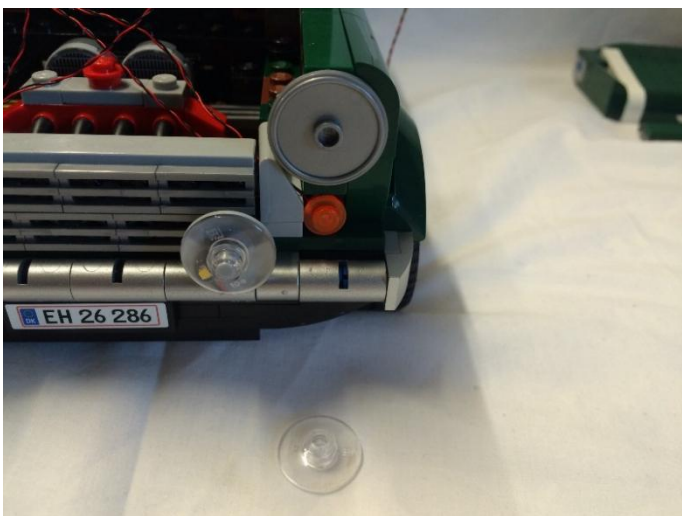
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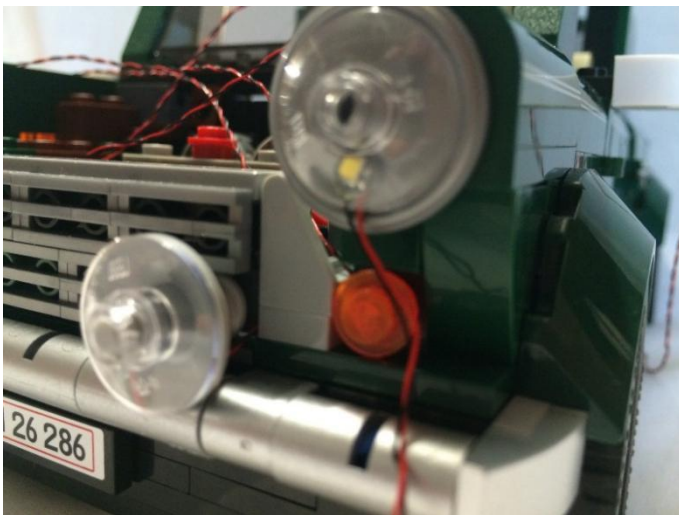
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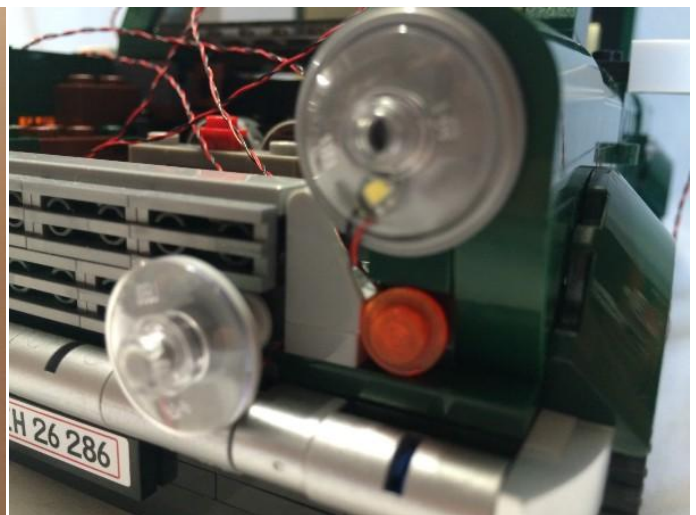
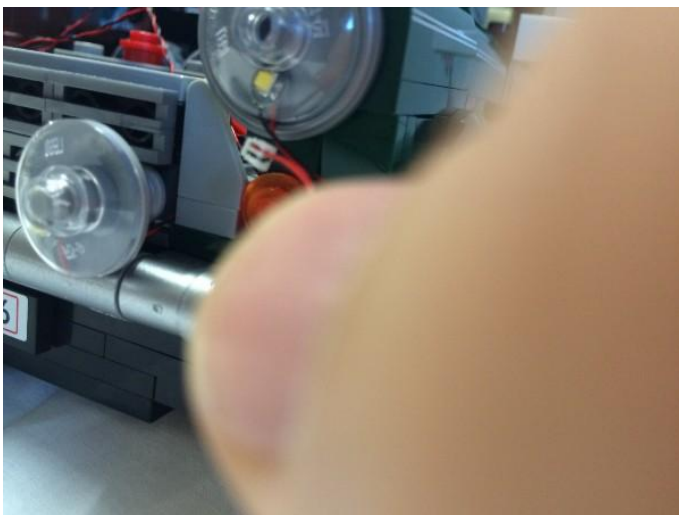
**21.** Grab a White dot light and hold it in the centre of the of the light grey shield piece that is still on the car. Hold it so that the wires coming vertically down.



**22**

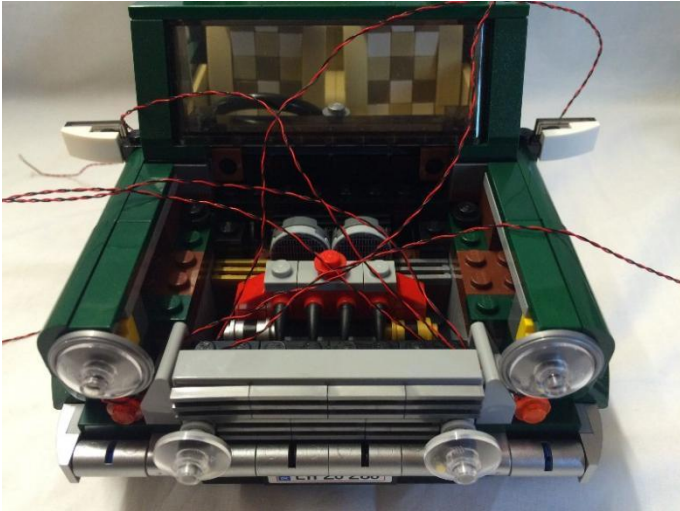


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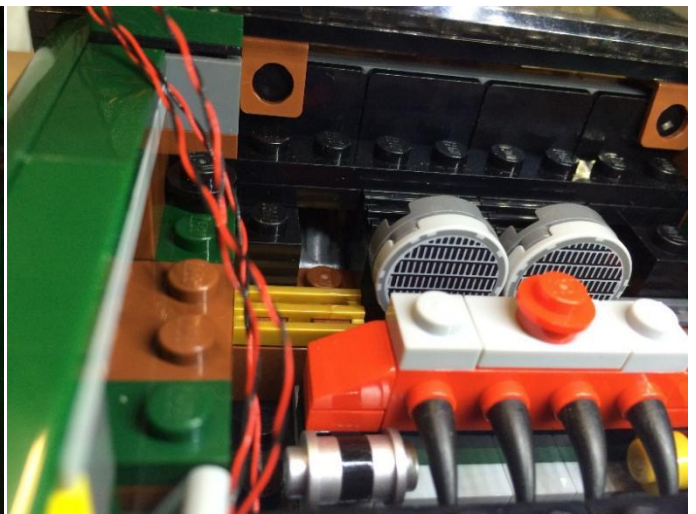
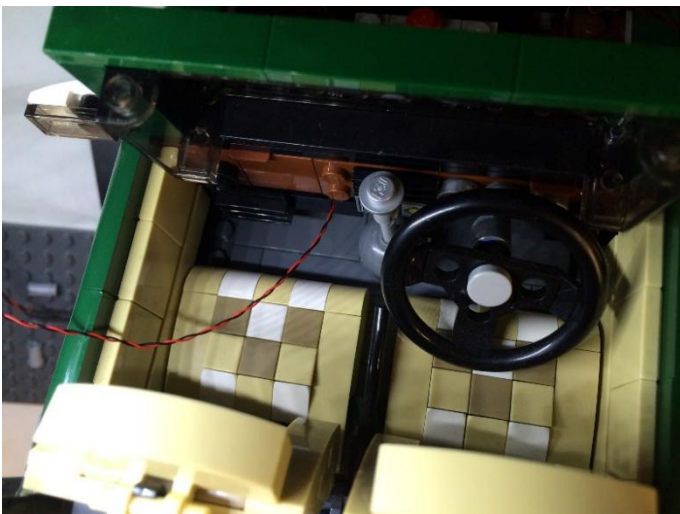
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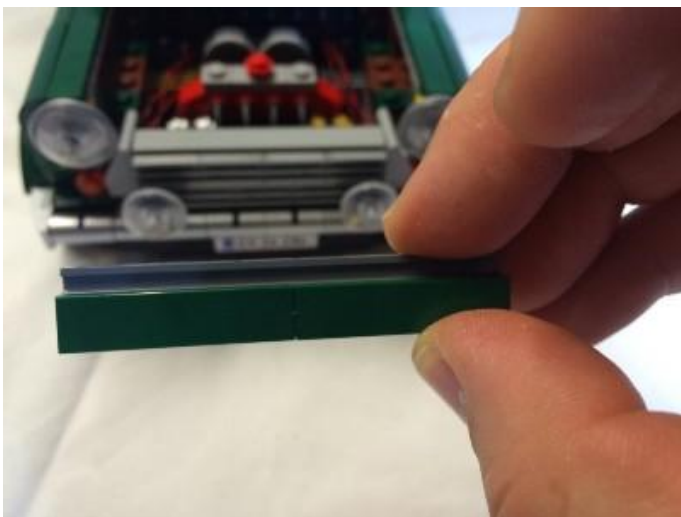
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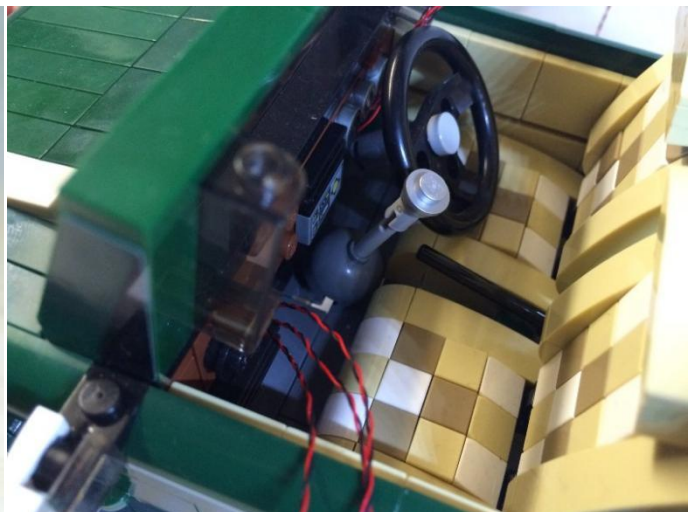
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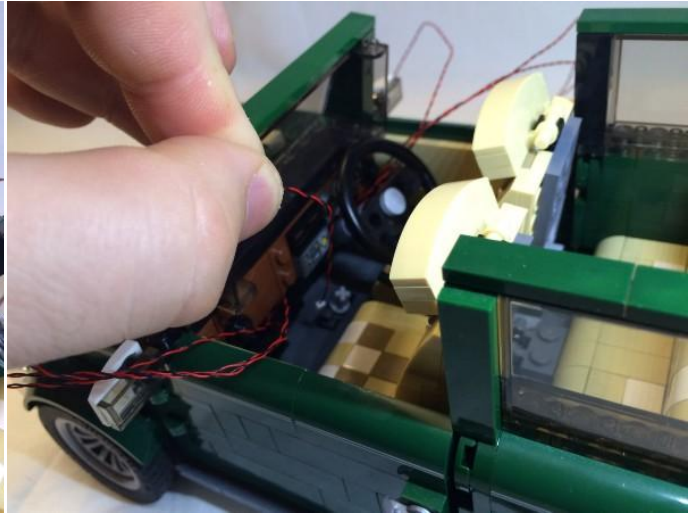
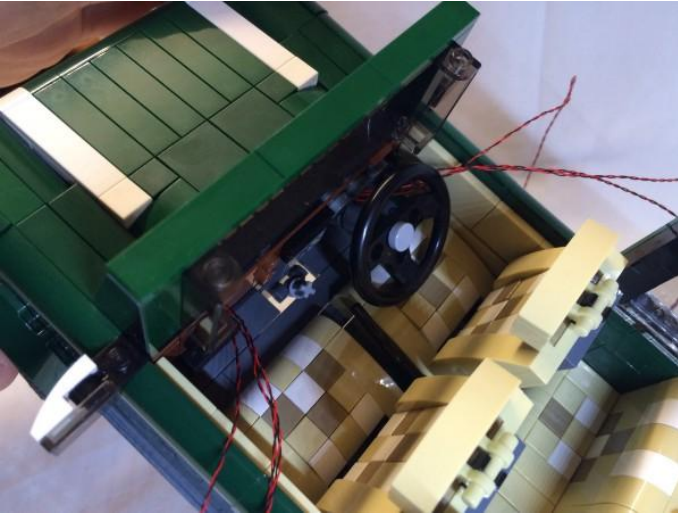
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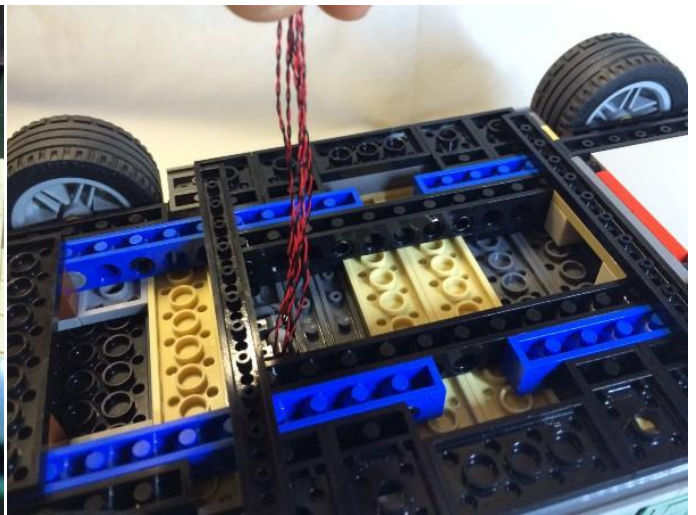
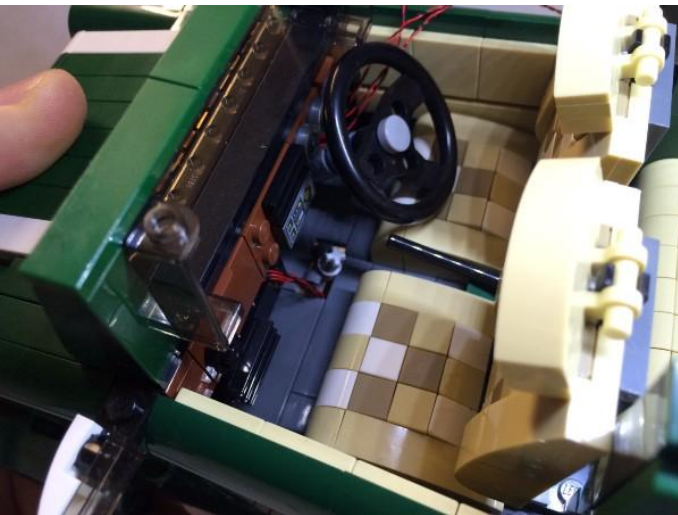
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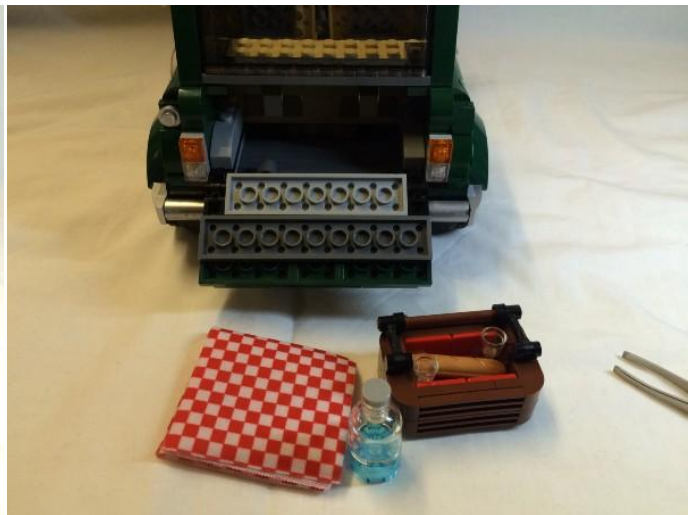
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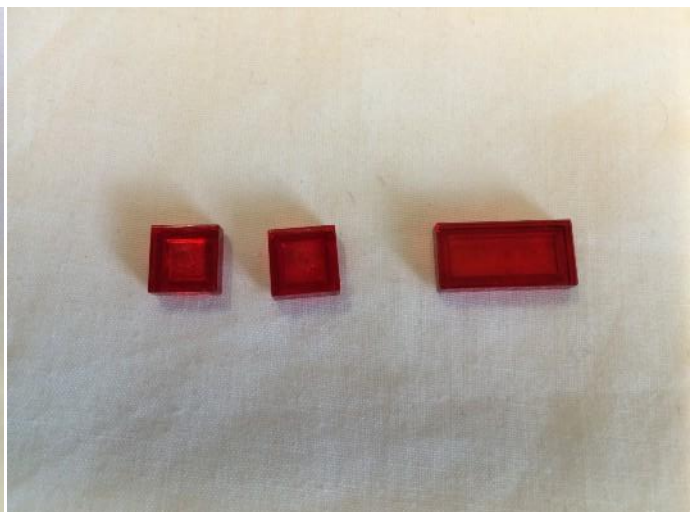
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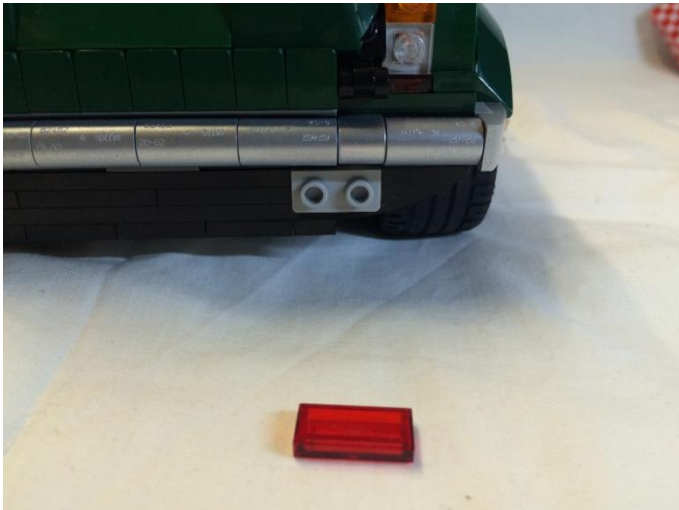
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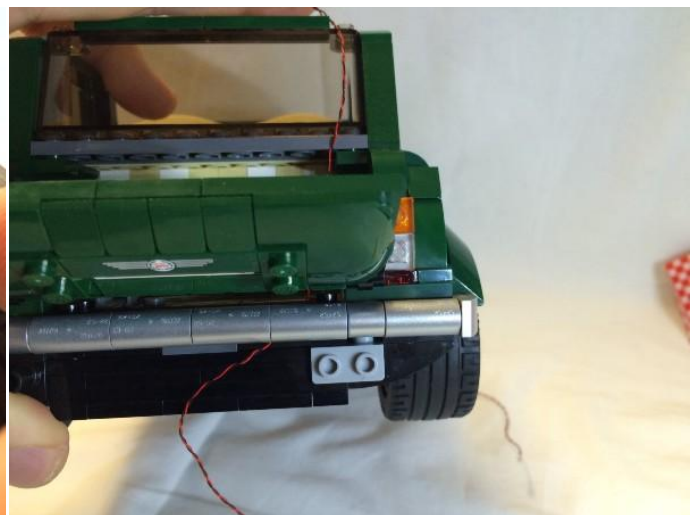
**35.** Now is the time to substitute the two 1 x 1 transparent red plates with the 1 x 2 transparent red plate.



36



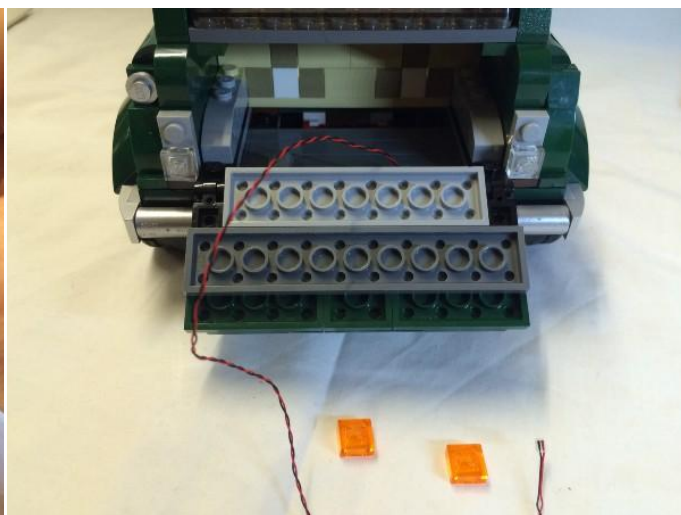
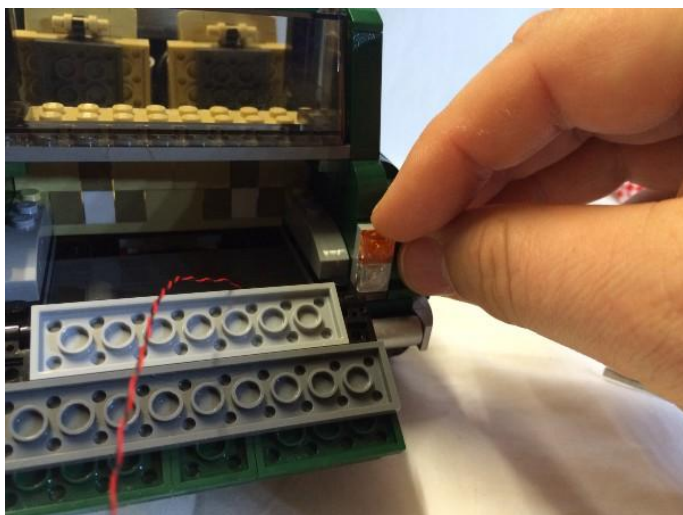
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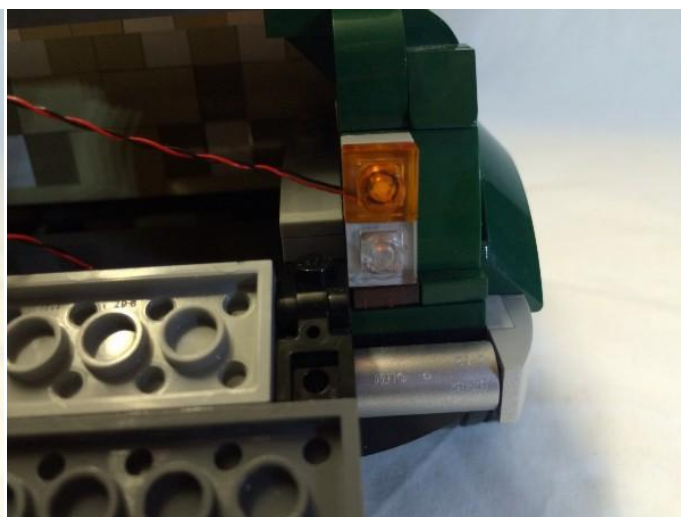
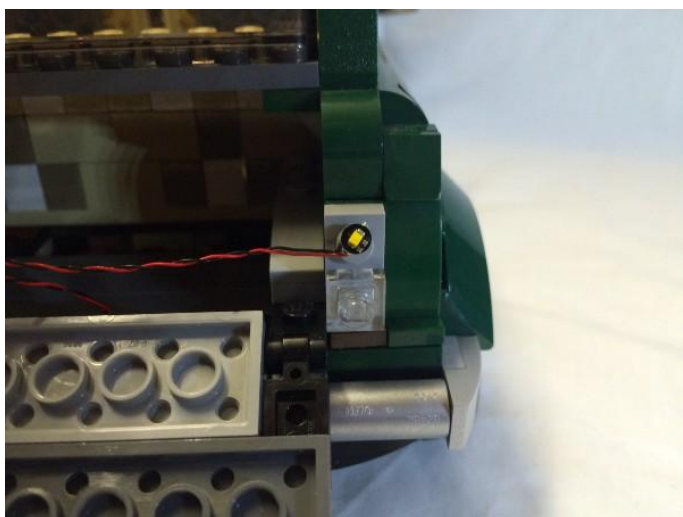
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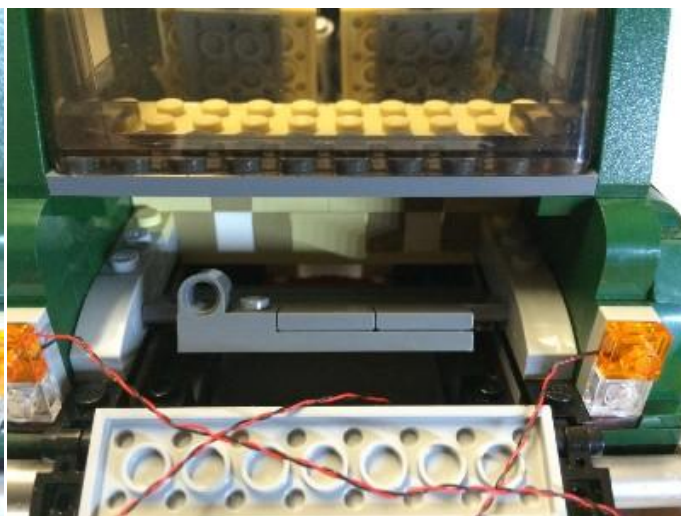
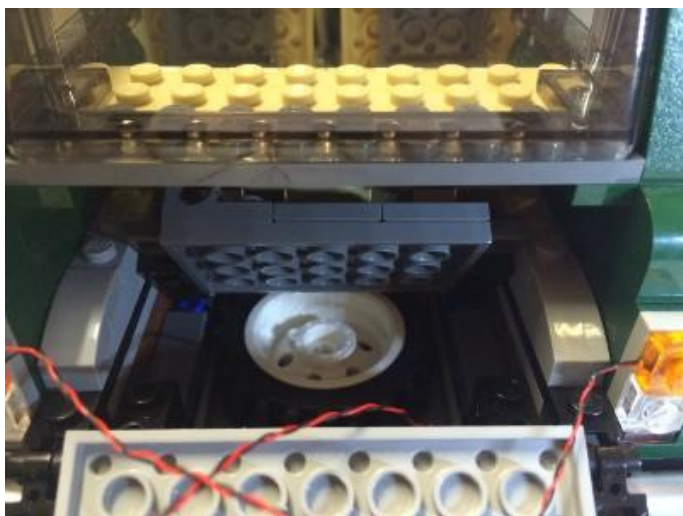
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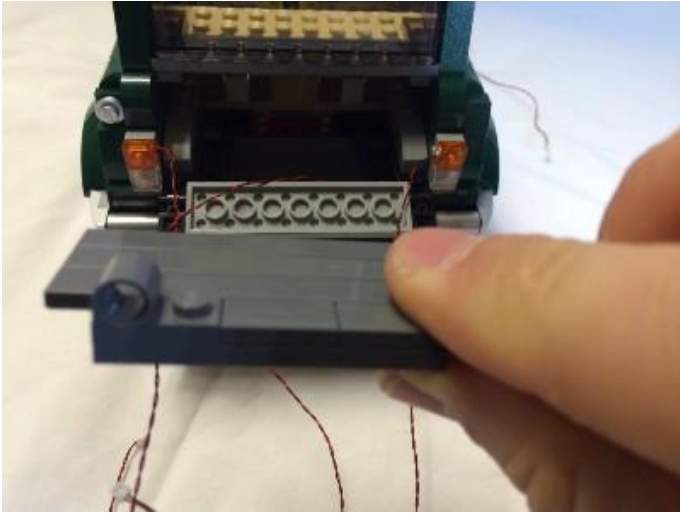
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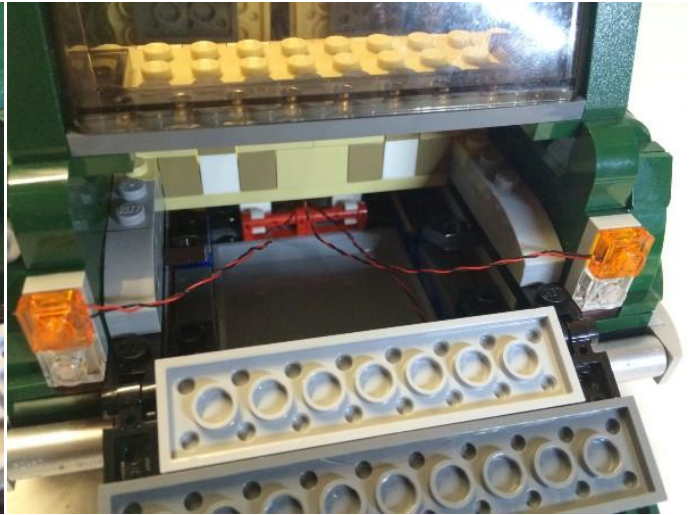
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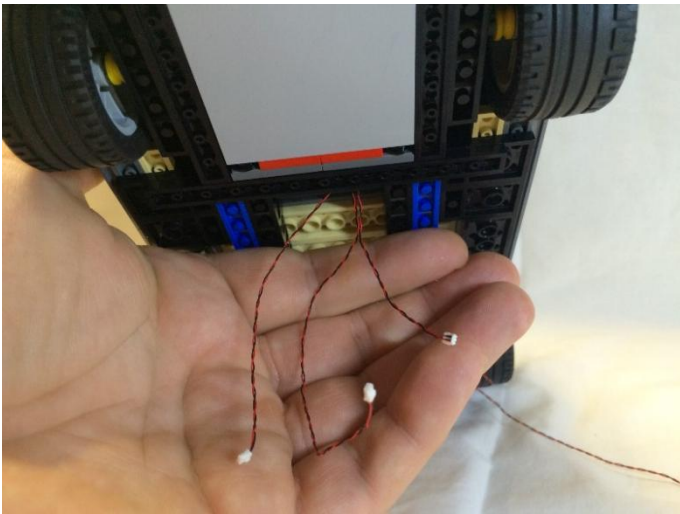
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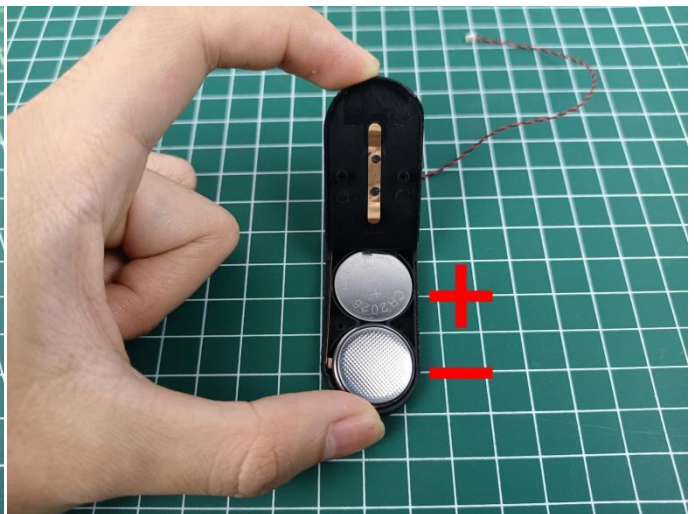
44



**45.** Grab the Coin Cell Battery Pack and feed the plug end of the wires through the same gap.

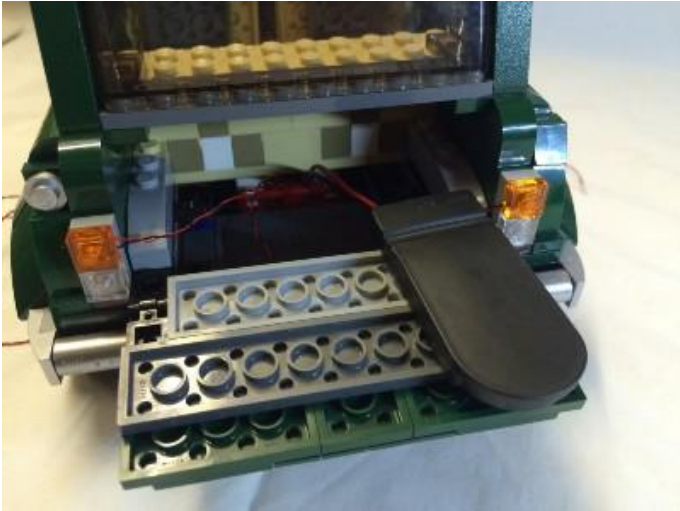


**46.** The flat battery pack does not contain batteries, please buy a 2025 or 2032 button battery in the nearest store and install it in the flat battery pack.

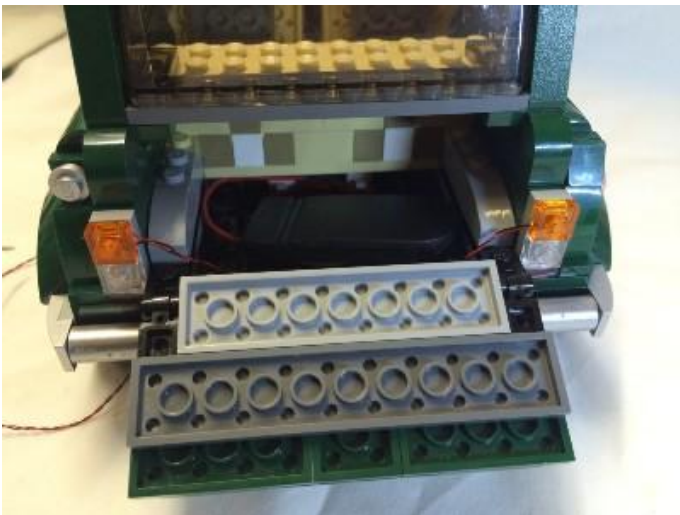




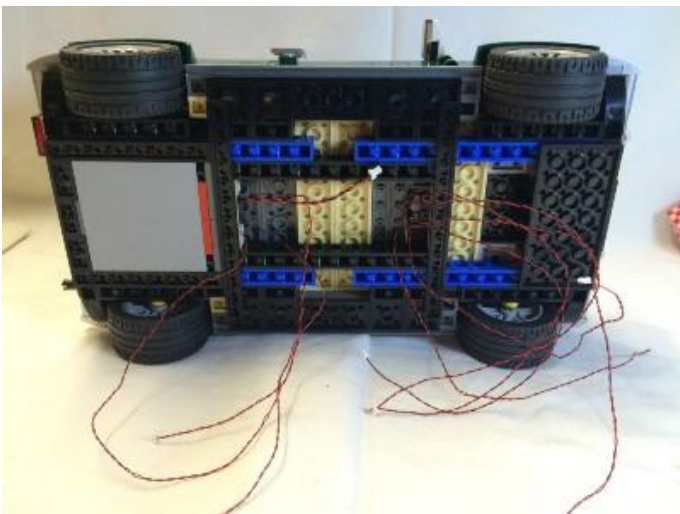
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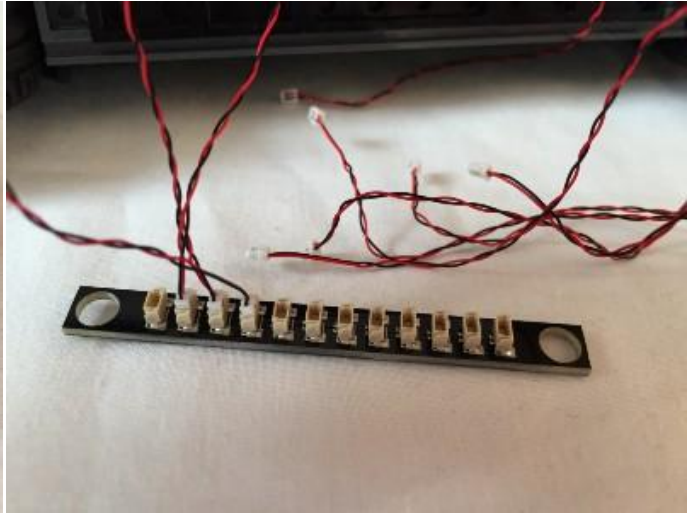
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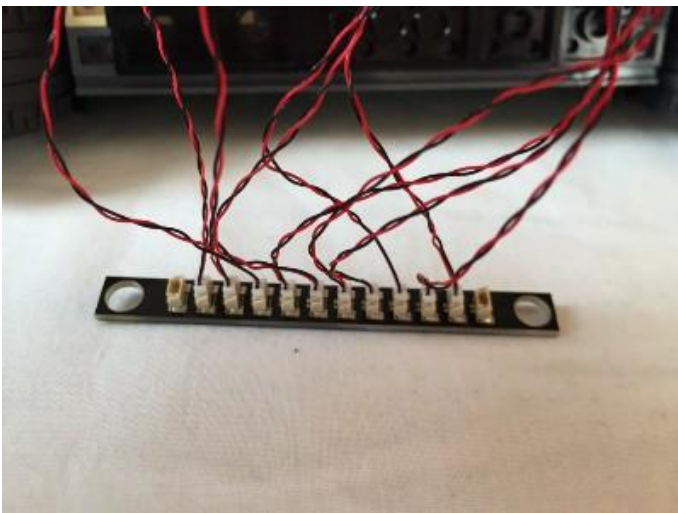
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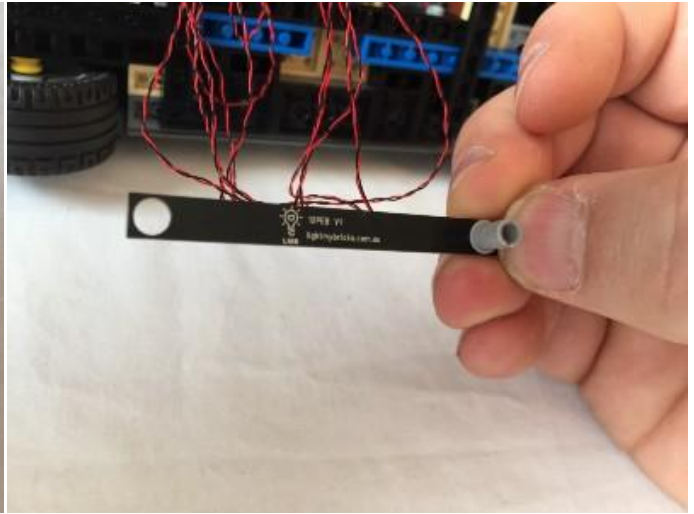
**50.** Grab the 12 Port Expansion Board and connect each of the nine wires and the battery pack to the board.



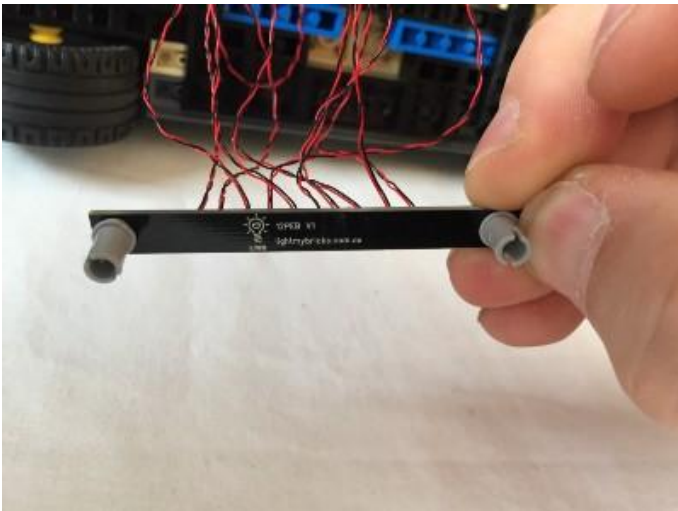
**51**



**52.** Grab the two 1/2L Technic pins, get them now and working from the bottom of the 1:9 Expansion Board place the short end up through the holes on either side of the 1:9 Expansion Board.



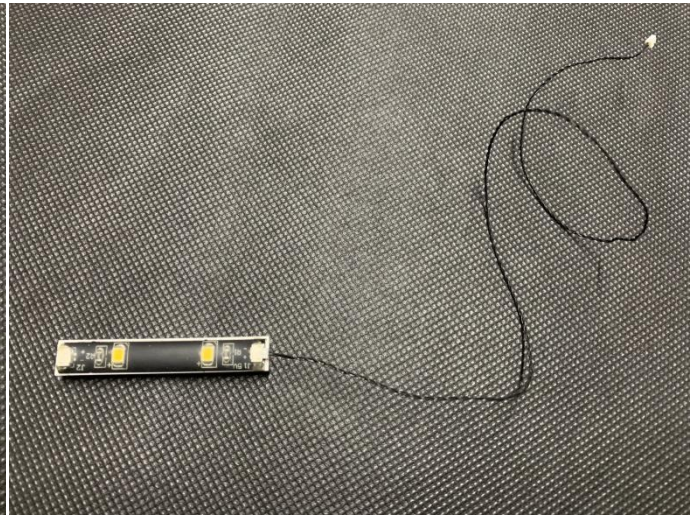
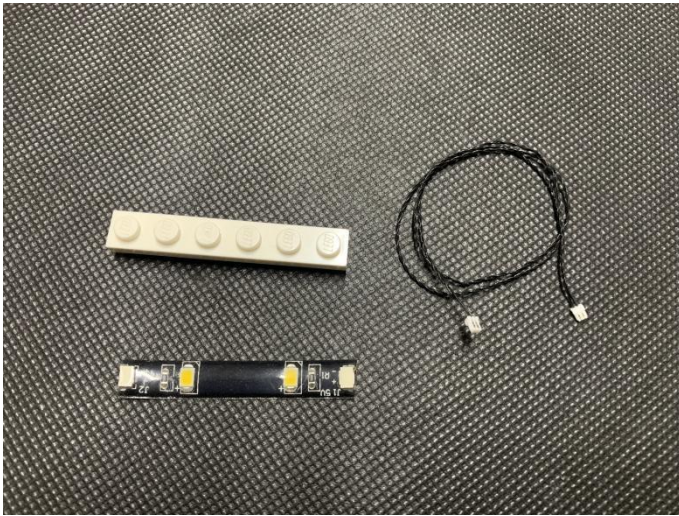
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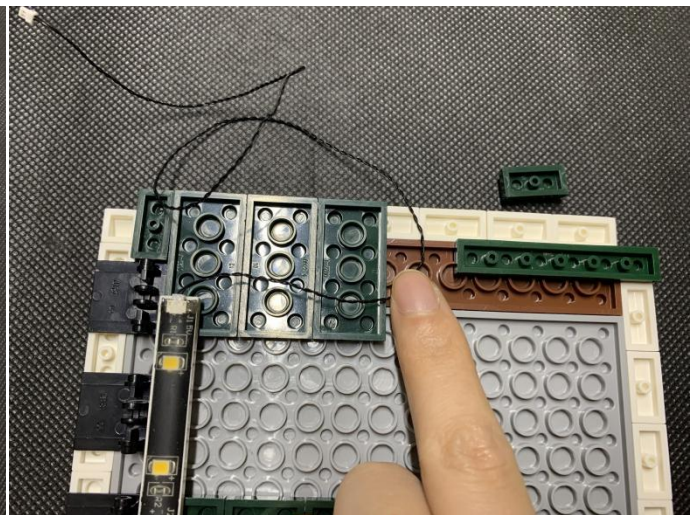
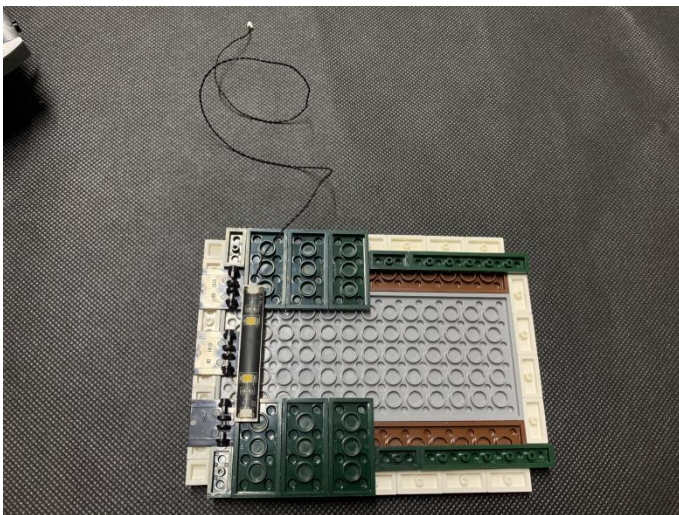
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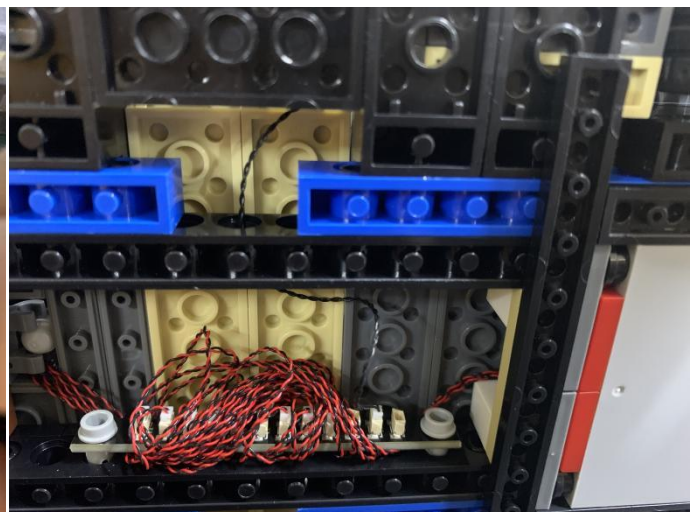
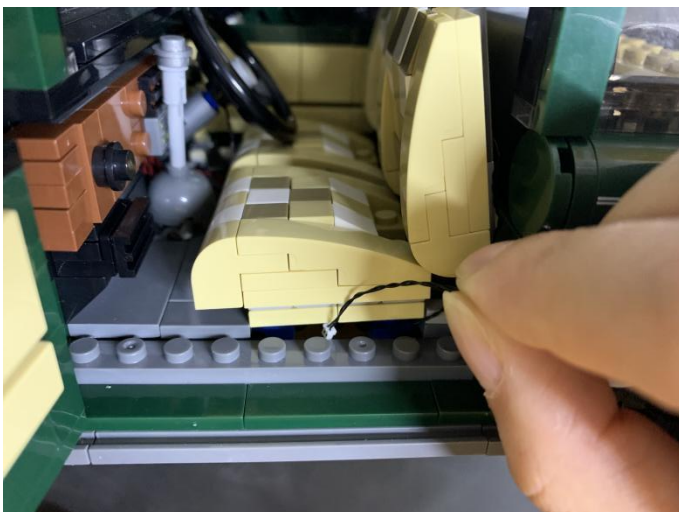
**55.** Take a warm white strip light, a 1x6 plate, a 30cm connecting cable. Assemble them as per below.



**56**



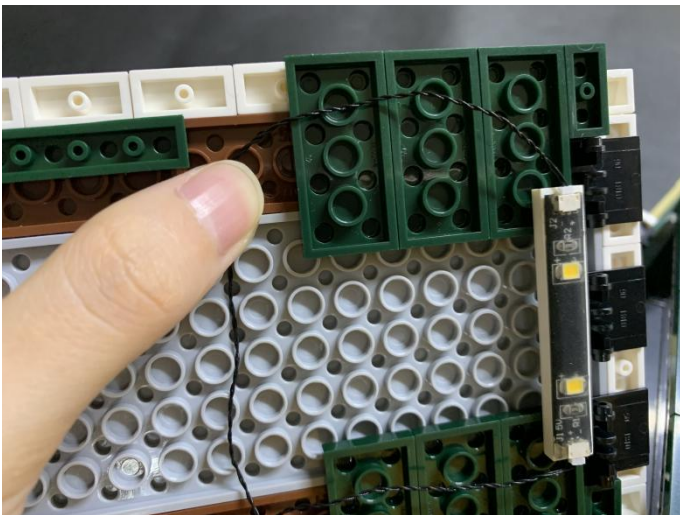
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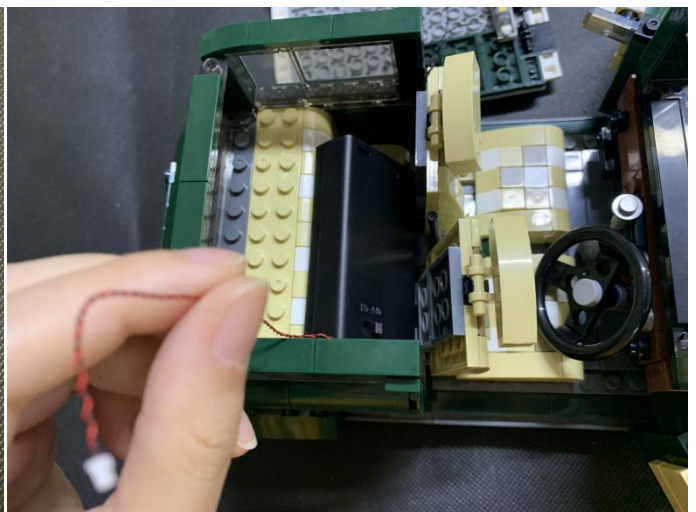
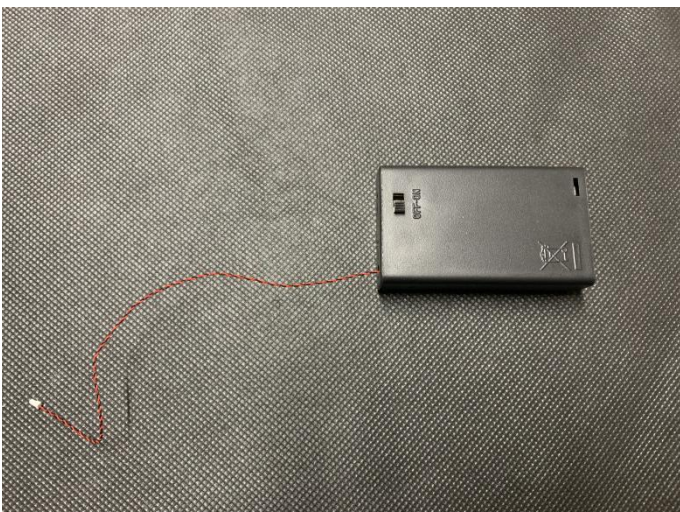
**58.** Take another 30cm connecting cable.



**59**



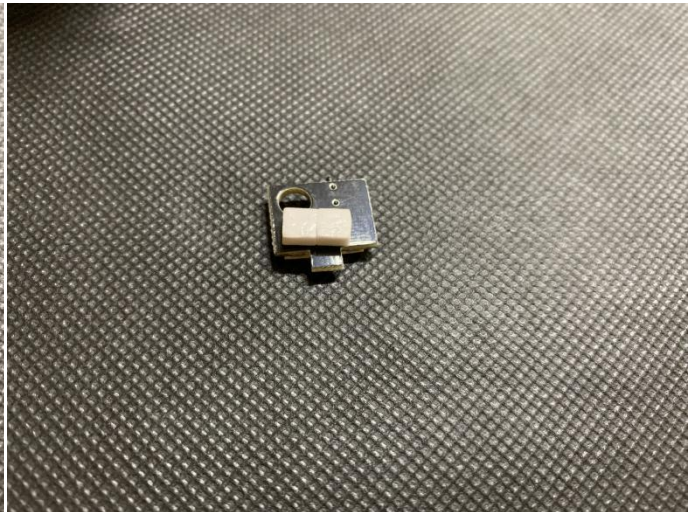
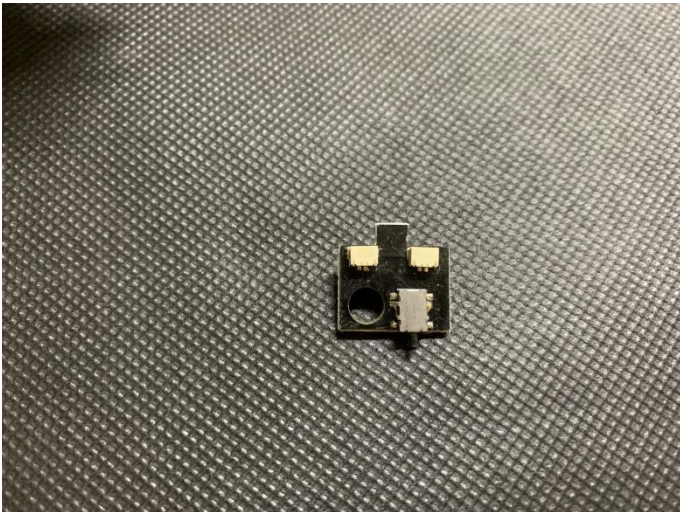
**60.** Take the AAA battery pack, inserted with batteries, place the battery pack at the back seat.



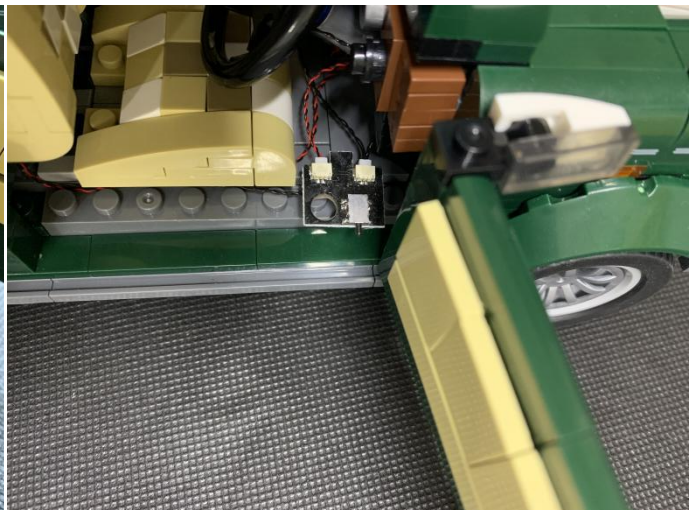
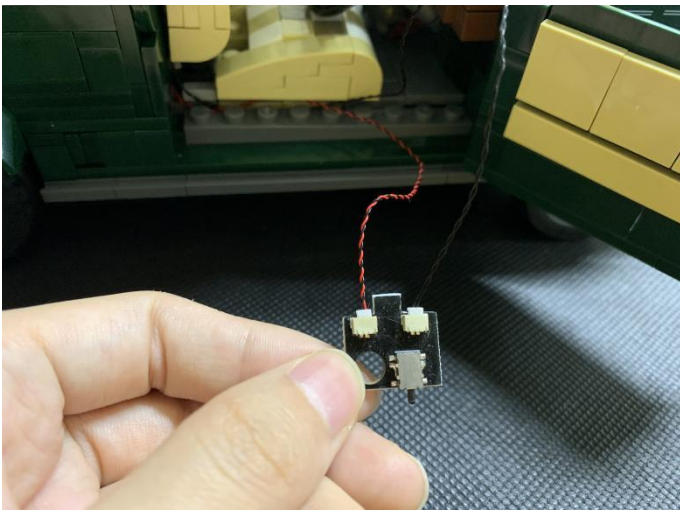
61



62. Take the switch board, stick tapes at its back, connect the 2 cables to the switch board.



63



64



65



**Good job, you've done all the installation steps, power it up and enjoy your work.**

