

42099 4x4 X-Treme Off-Roader P14602

- **P14602 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 “42099 P14602”.**
- **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 13 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
Bit Lights-15CM-Warm White	Bit Lights-15CM-Warm White	12
Bit Lights-15CM-Blue	Bit Lights-15CM-Blue	2
Bit Lights-30CM-Blue	Bit Lights-30CM-Blue	2
Bit Lights-30CM-Warm White	Bit Lights-30CM-Warm White	4
Headlights-30CM-Warm White	Headlights-30CM-Warm White	2
LED Strip Lights-Blue	LED Strip Lights-Blue	1
LED Strip Lights-Warm White	LED Strip Lights-Warm White	1
Expansion Board	6 Socket Expansion Board	3
	12 Socket Expansion Board	1
AAA Battery Box	AAA Battery Box	1
Connecting Cables-5CM	Connecting Cables-5CM	2
Connecting Cables-15CM	Connecting Cables-15CM	4
Remote Control Board	Remote Control Board	1
Parts package		

Please contact us immediately if there have any missing components.

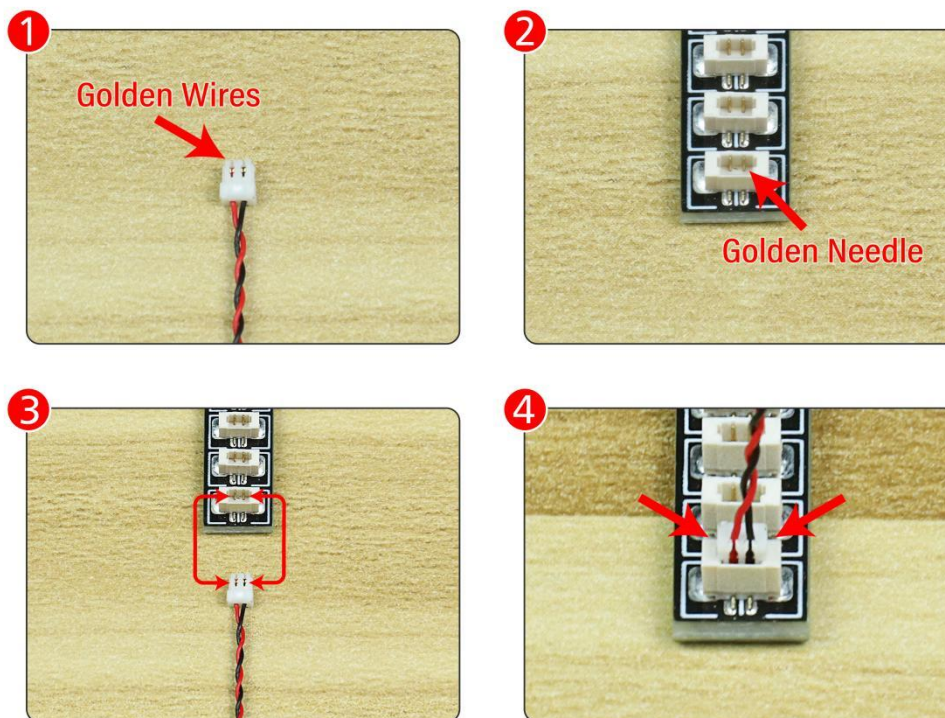
Section B: Test that each components is working properly.

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



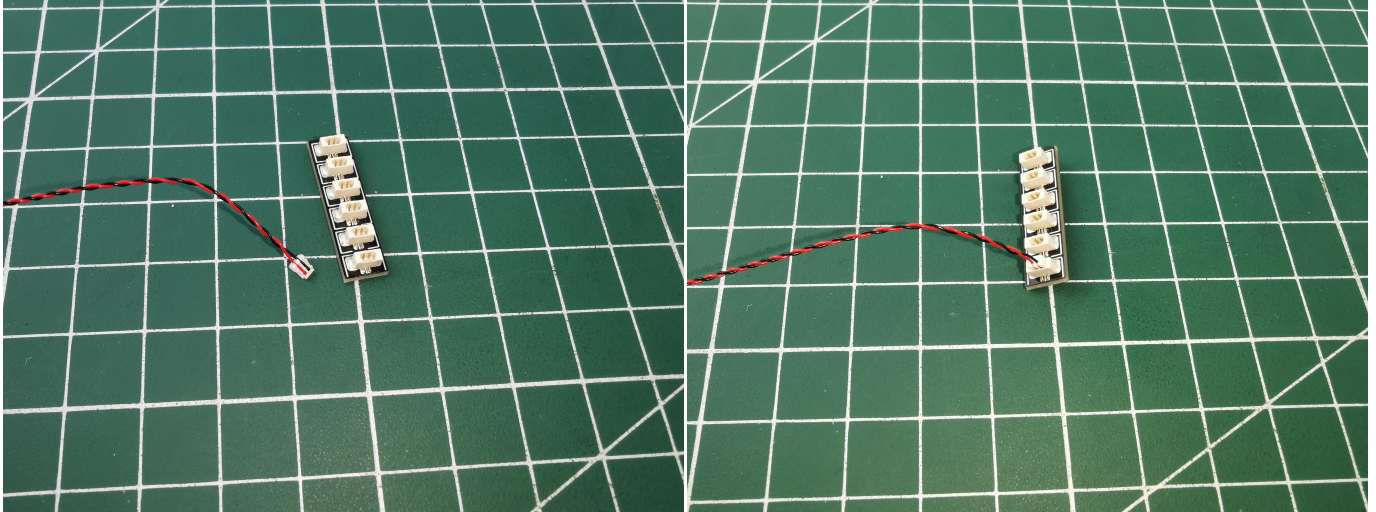
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

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.

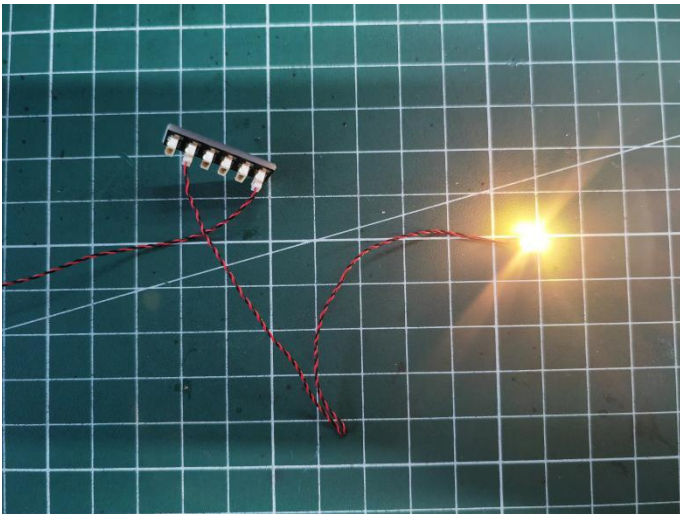
USB connectors to connect devices



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-15CM-Warm White" particles,Take out the bag labelled "Bit Lights-15CM-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.

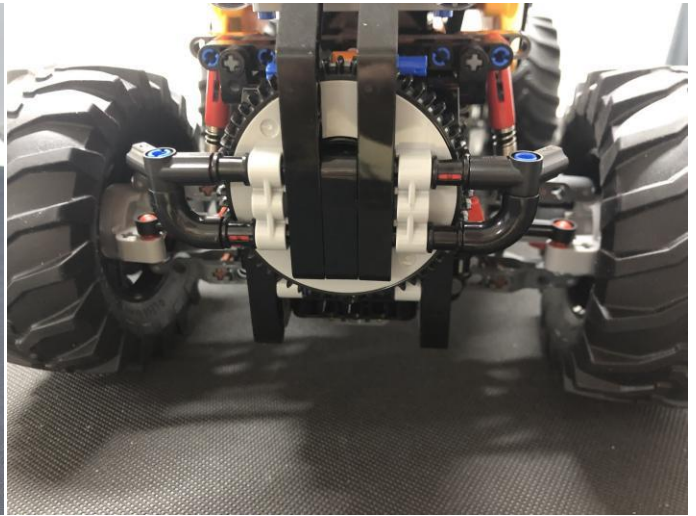


The components needs to be tested in this set is 11*Bit Lights-15CM-Warm White,2*Bit Lights-15CM-Blue,2*Bit Lights-30CM-Blue,4*Bit Lights-30CM-Warm White,2*Headlights-30CM-Warm White,1*LED Strip Lights-Blue,1*LED Strip Lights-Warm White.

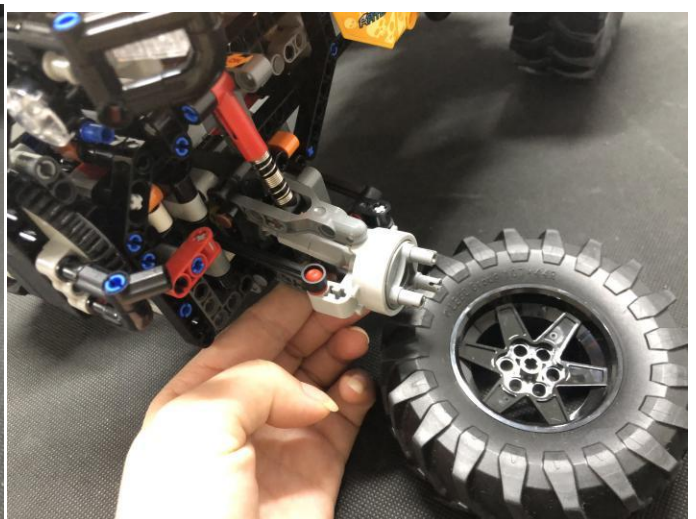
Please contact us immediately if any components don't work.

Section C: laying out components following the instruction.

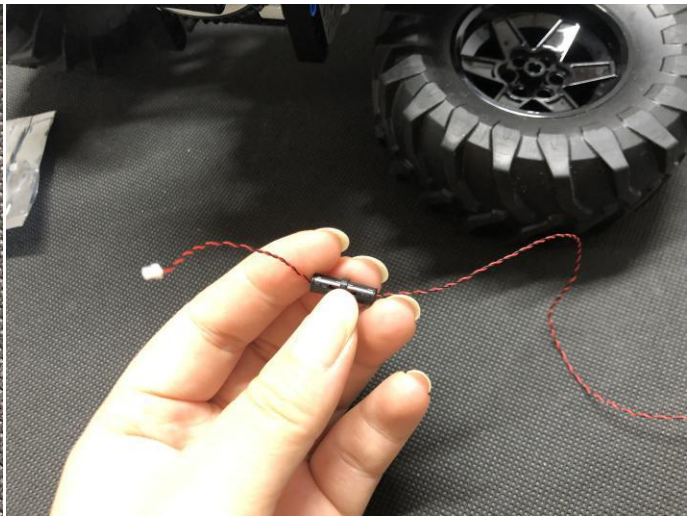
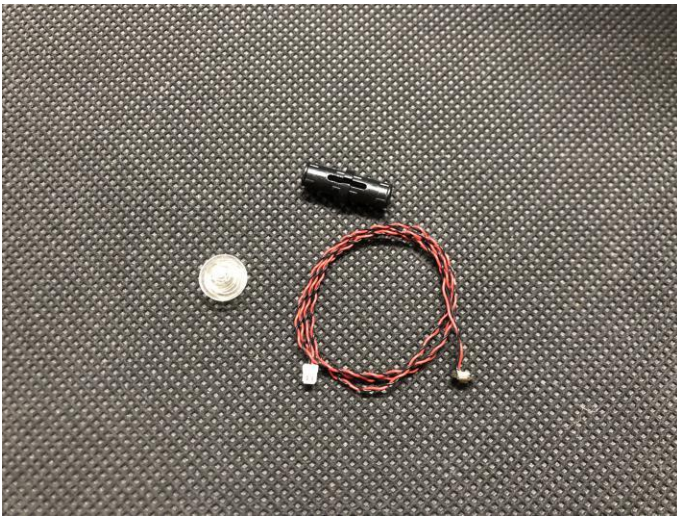
1



2



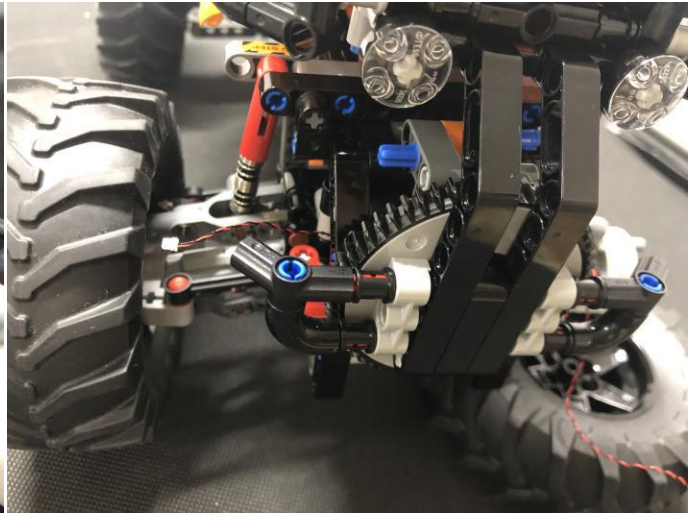
3. Take a blue 30cm dot light, a trans 1x1 round plate, a black bolt. thread the light through the bolt, pull the cable till the light is placed against the end of the bolt, secure the light with the trans round piece.



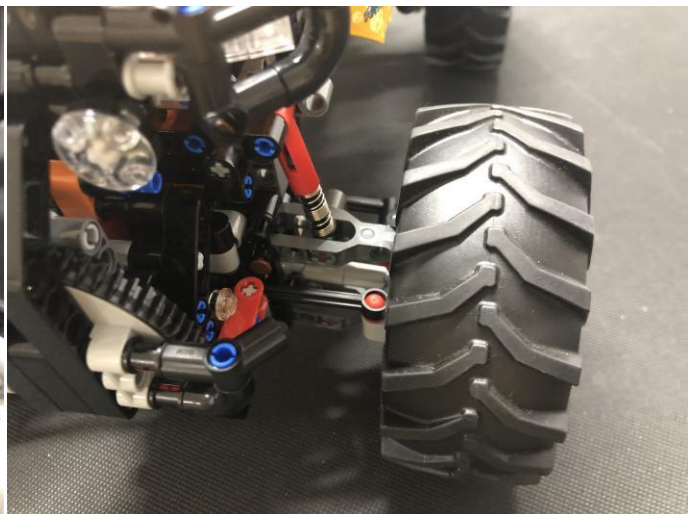
4



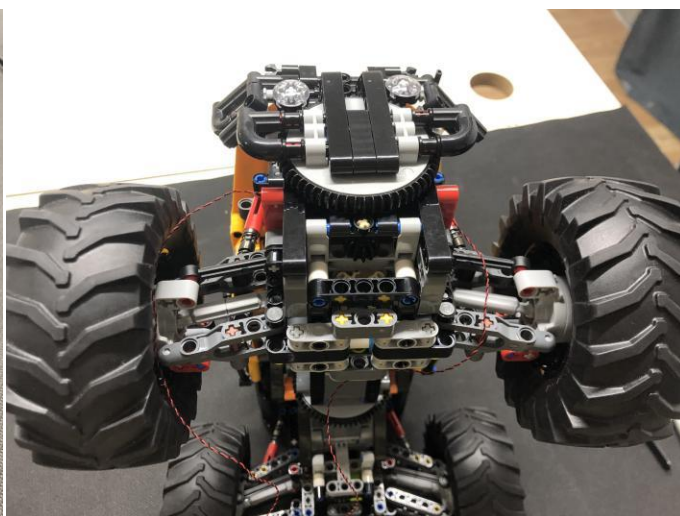
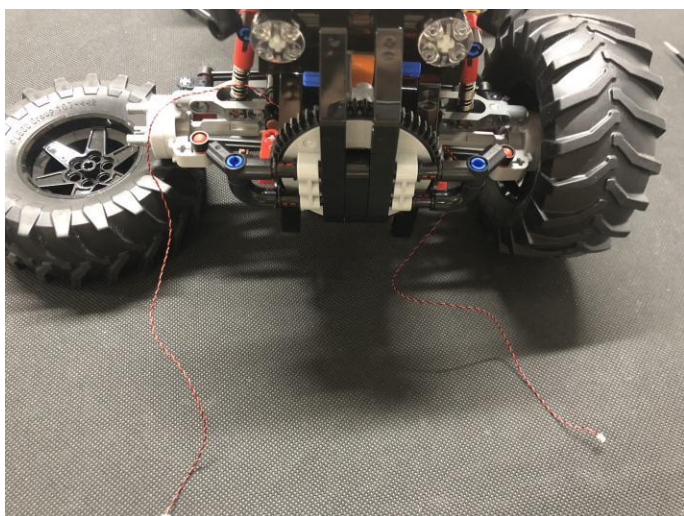
5. Thread the light through the following hole, pull the cable out from the left side.



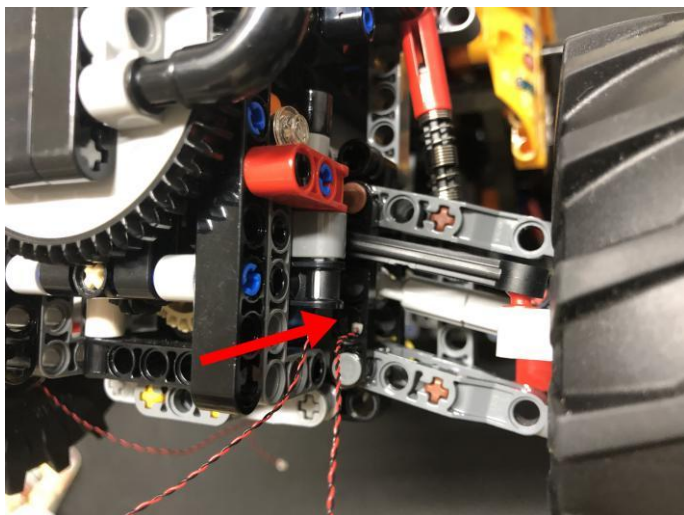
6. Secure the bolt to the following place, reconnect the tire.



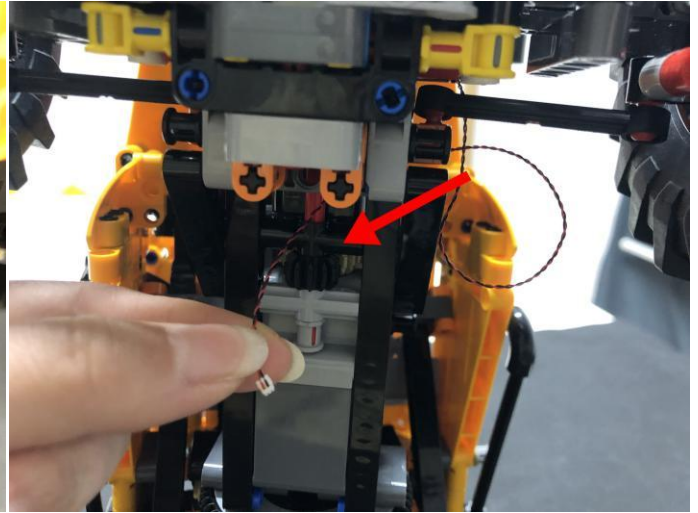
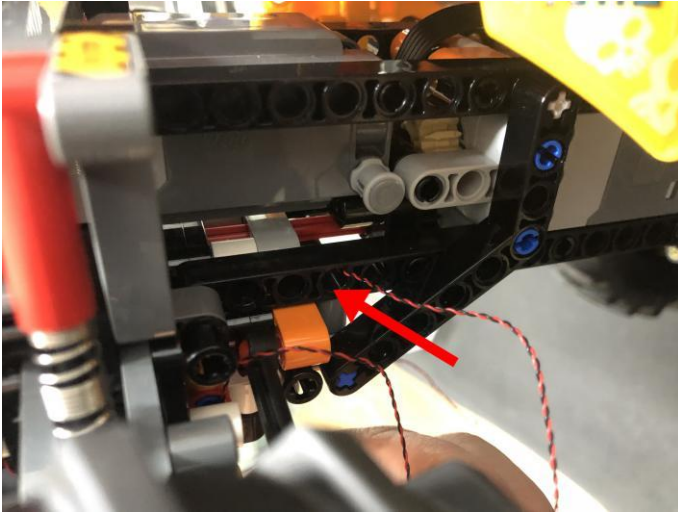
7. Take a 30cm blue dot light, a trans 1x1 round plate, a black bolt, repeat the steps above to install light for another tire.



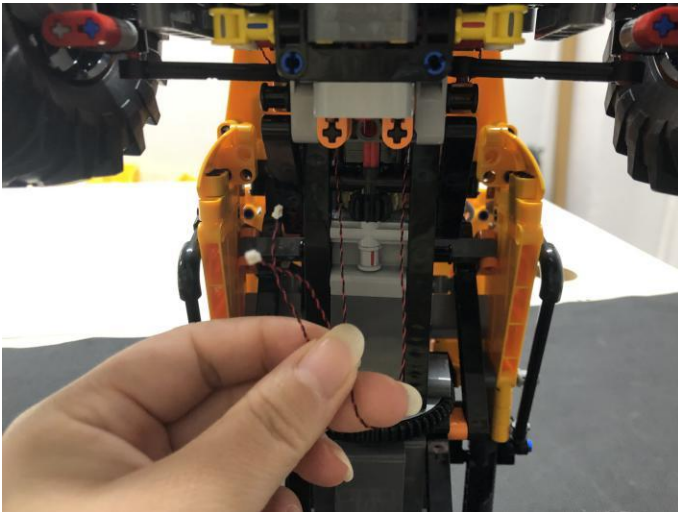
8. Thread the cable through the following hole and pull it out from the bottom of the car.



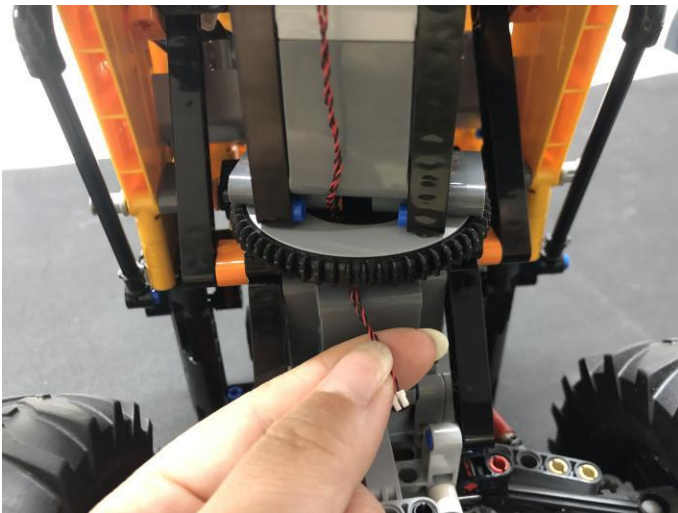
9



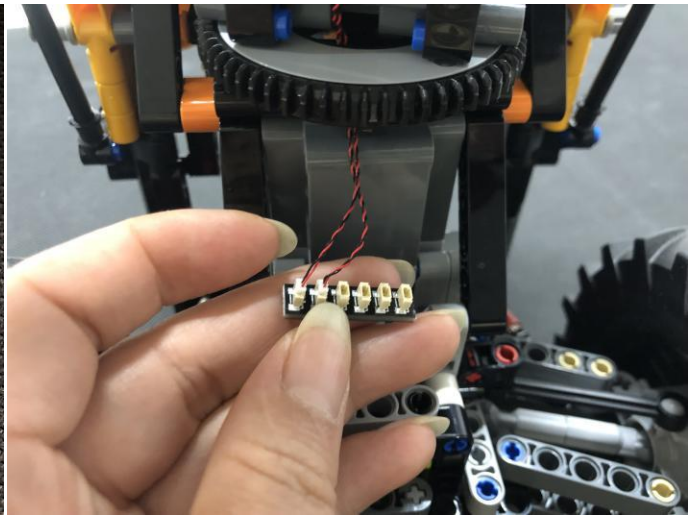
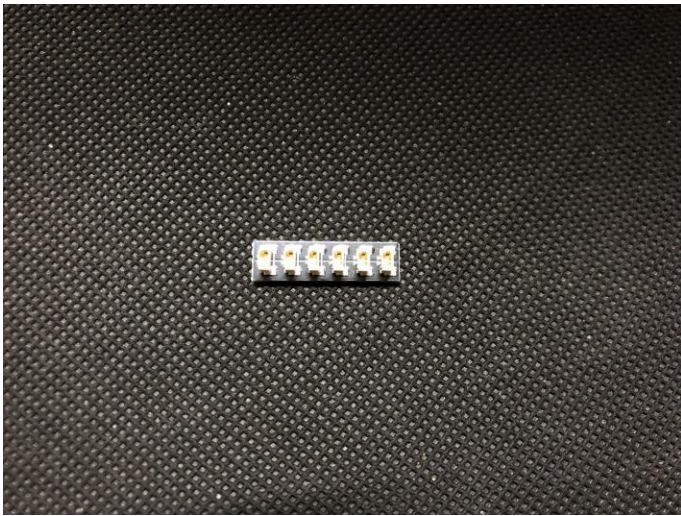
10. follow the previous steps to thread the other cable to the bottom.



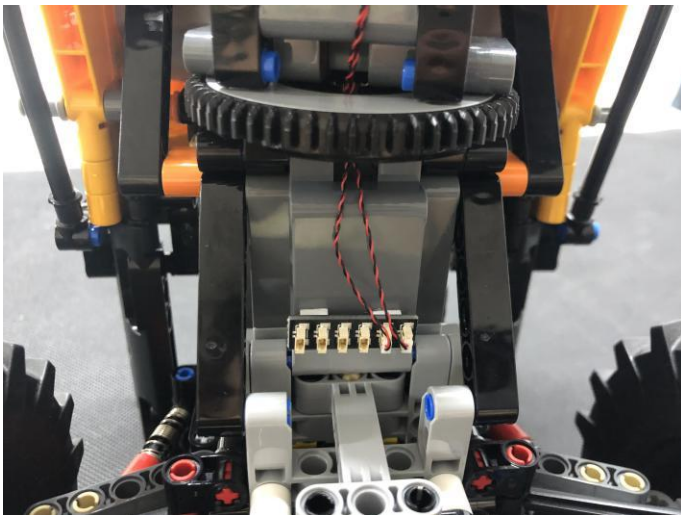
11. Group the 2 cables together, thread them through the following hole.



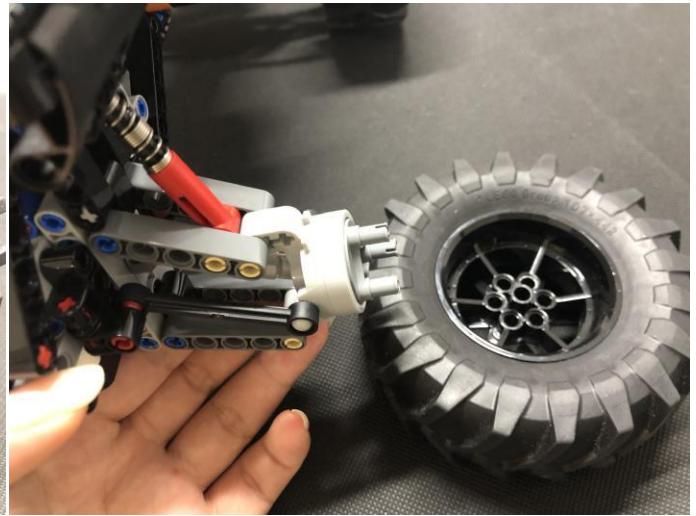
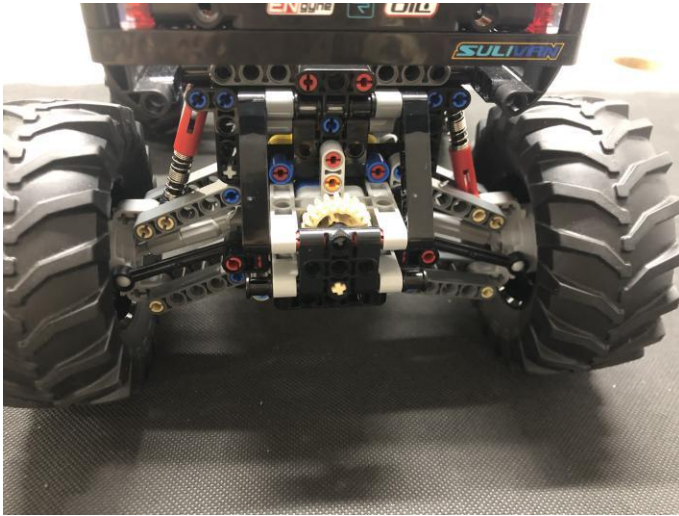
12. Take a 6-port expansion board, connect the 2 cables to the expansion board.



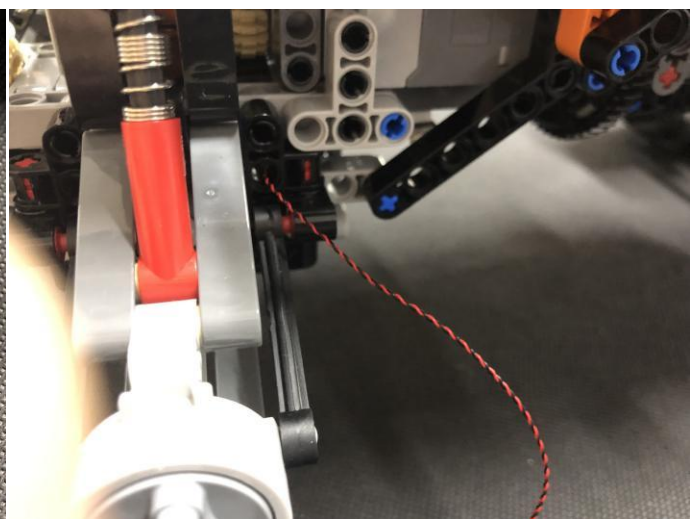
13. Stick the expansion board to the bottom of the car with the adhesive squares.



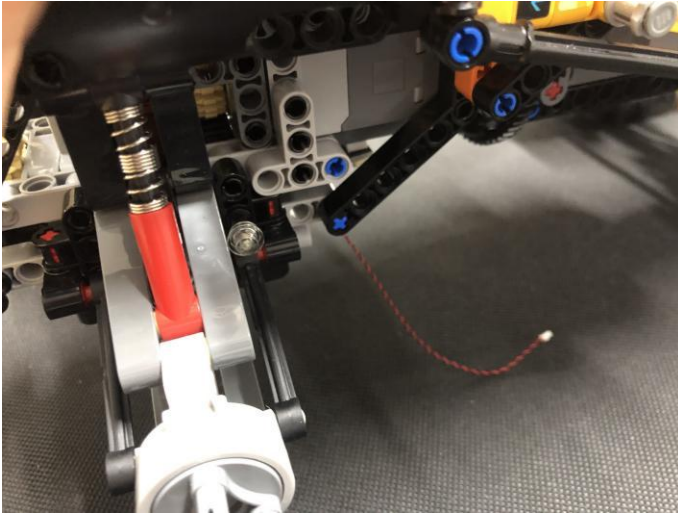
14. Move onto install lights for the rear tires.



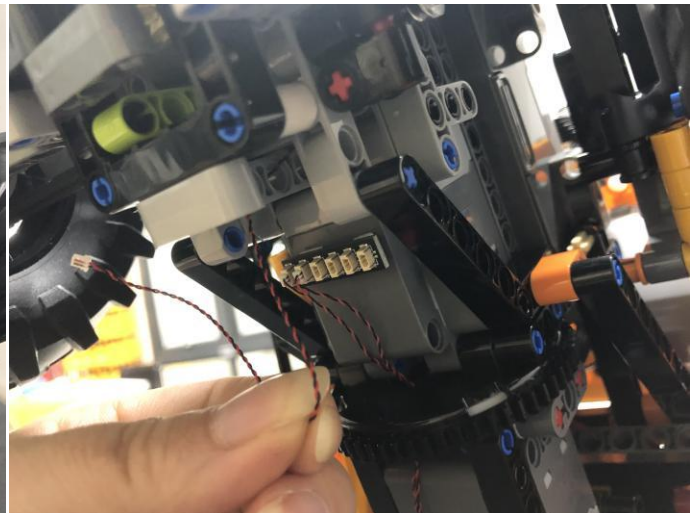
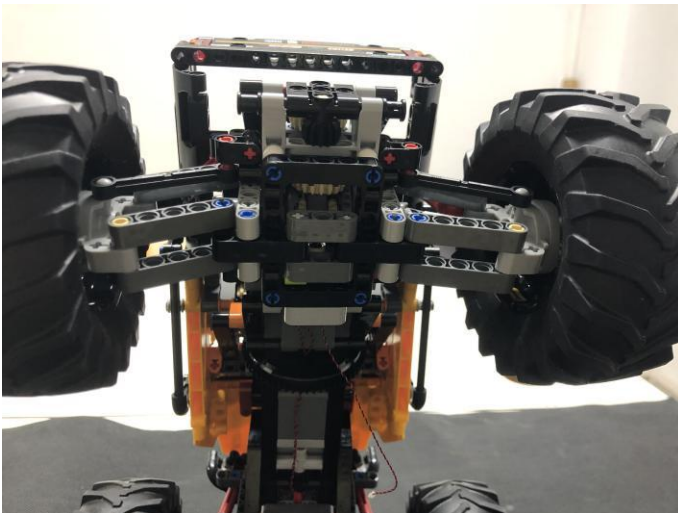
15. Take a blue 15cm dot light, a trans 1x1 round plate, a black bolt, repeat the steps we did before for installation of the front tire to install lights for the rear tire. Then, thread the cable through the following hole, place the light at the following position, reconnect the tire.



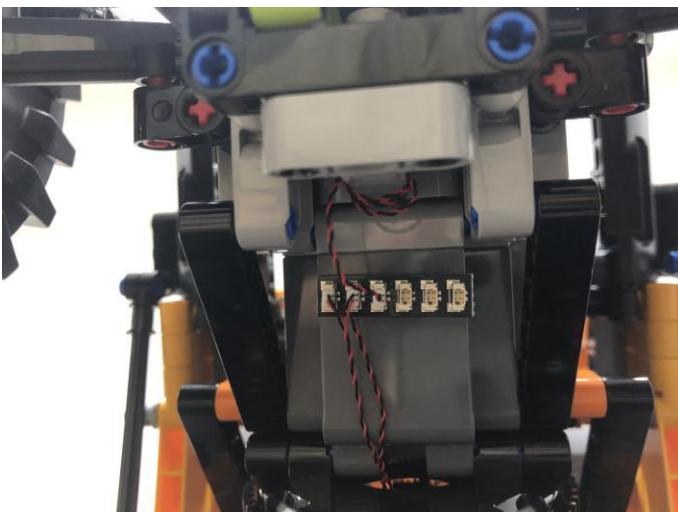
16



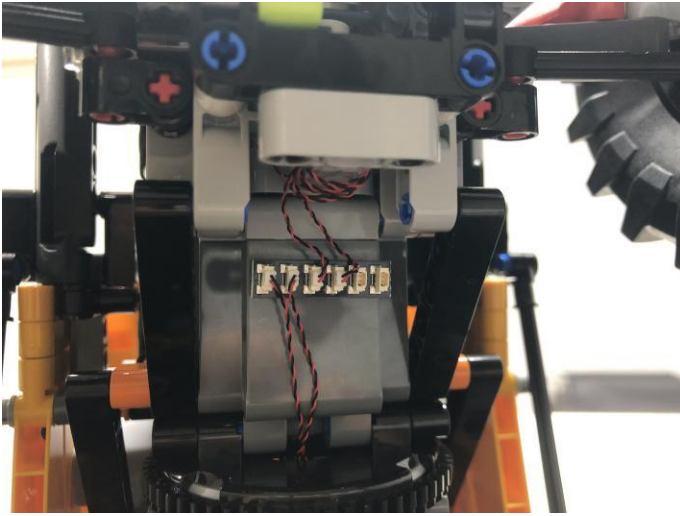
17. Place the car upright, pull the cable to the bottom of the car, and connect it to the expansion board.



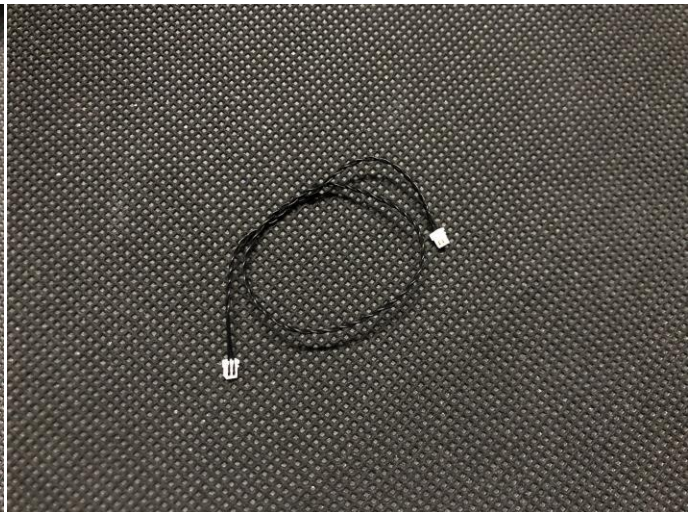
18



19. Take a blue 15cm dot light, a trans 1x1 round plate, a black bolt, repeat the steps above to install light for the other rear tire.



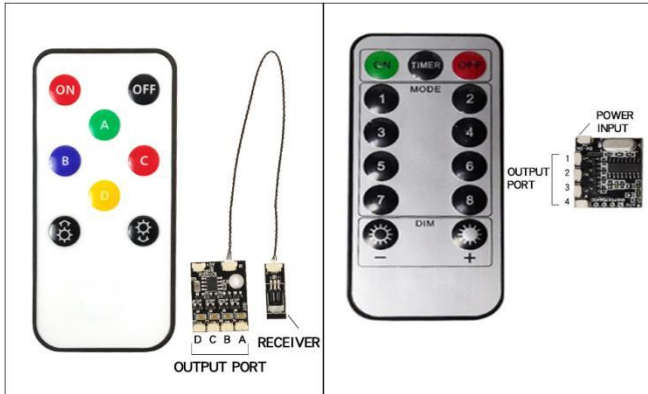
20. Take the remote control switch board, a 15cm connecting cable.



FRIENDLY TIPS

The remote control has been updated

Old style remote control:



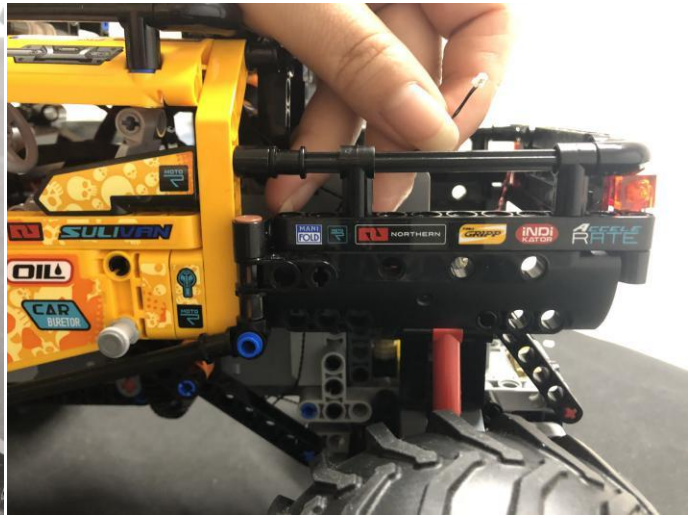
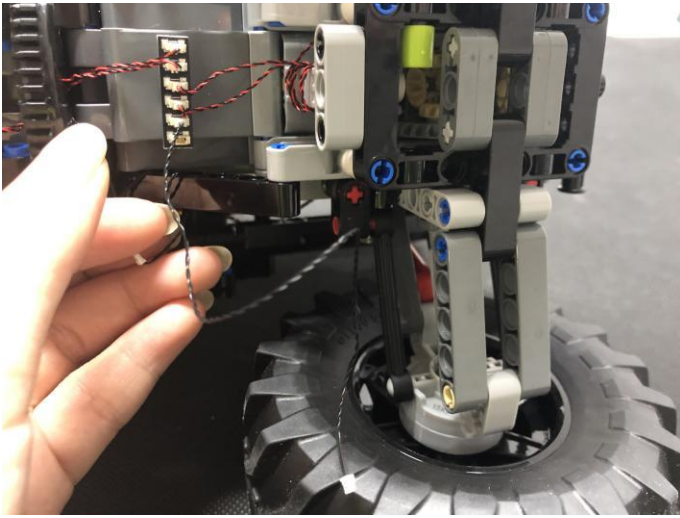
New remote control:

NEW REMOTE CONTROL FUNCTION INTRODUCTION	
ON:	All branches are fully open
OFF:	All branches are closed
A:	Open/close A branch
B:	Open/close B branch
C:	Open/close C branch
D:	Open/close D branch
FS:	Turn on blinking for the last open channel
BLN:	Start breathing for the last opened path
↑	Increase blinking/breathing rate
↓	Reduce flicker/breathing rate
☀️+	Increase brightness
☀️-	Reduce brightness

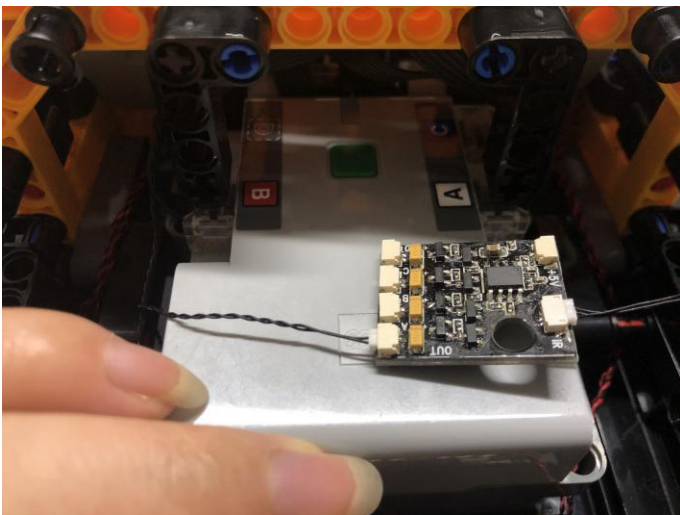
- ① Cancel the external signal receiver and change to an integrated design with strong signal and fast feedback.
- ② Add more functions, such as adding buttons such as breathing flashing frequency
- ③ The old A.B.C.D or 1.2.3.4 route corresponds to the new A.B.C.D route

More fun features look forward to your exploration!

21. Connect the connecting cable to the expansion board, and pull it upward.



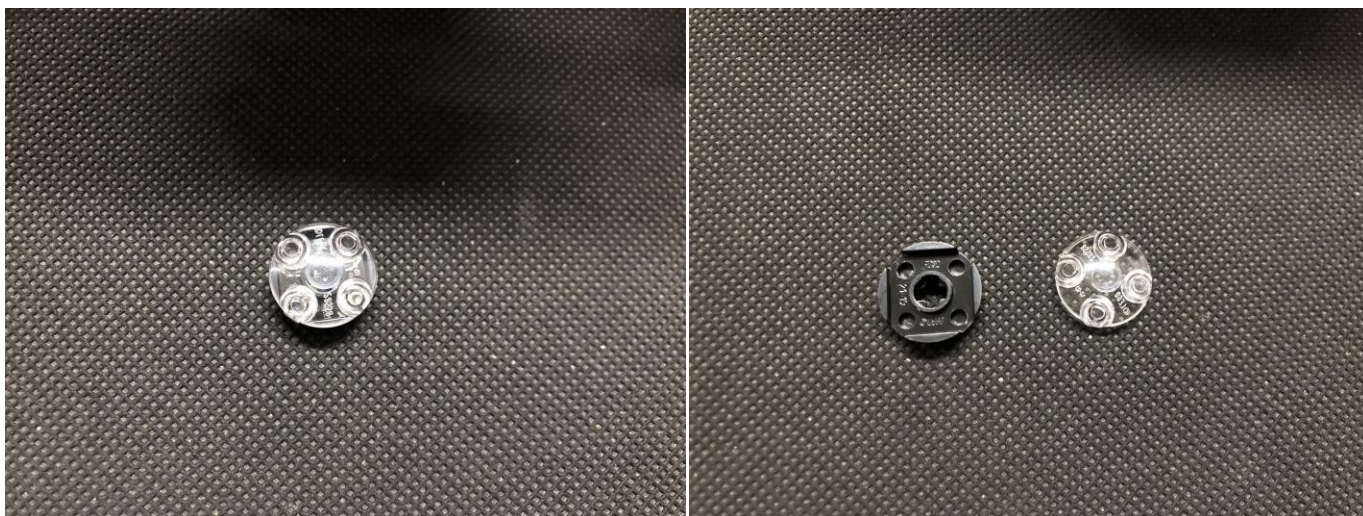
22. Connect the other end of it to the remote control switch board.



23. Move onto installing the headlights.



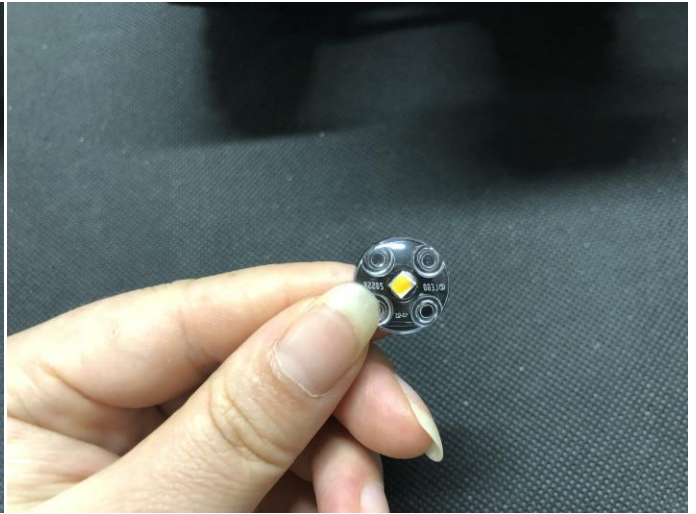
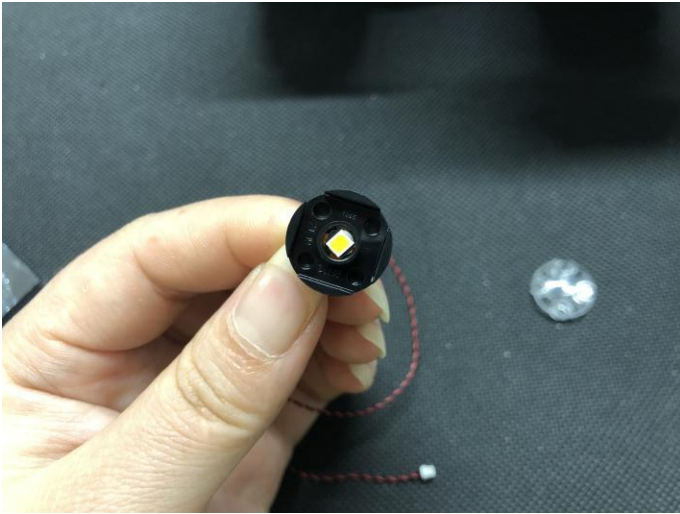
24.Remove the bigger headlight, disassemble it as per below.



25.Take a warm white 30cm light.



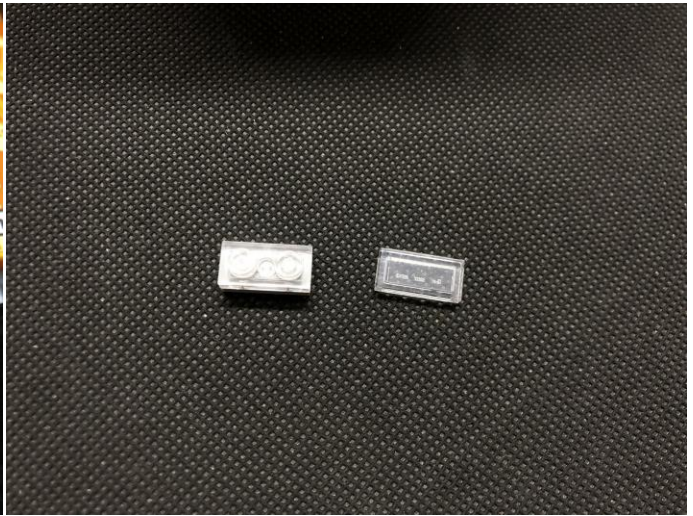
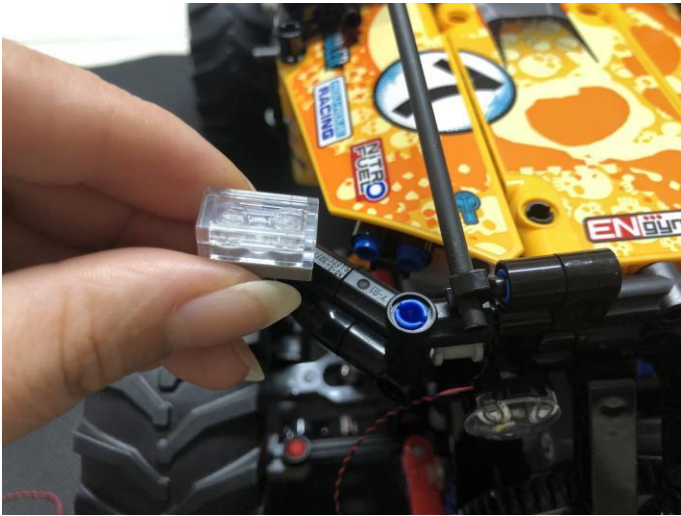
26.Thread the light through the black piece, reconnect the 2x2 trans piece to secure the light.



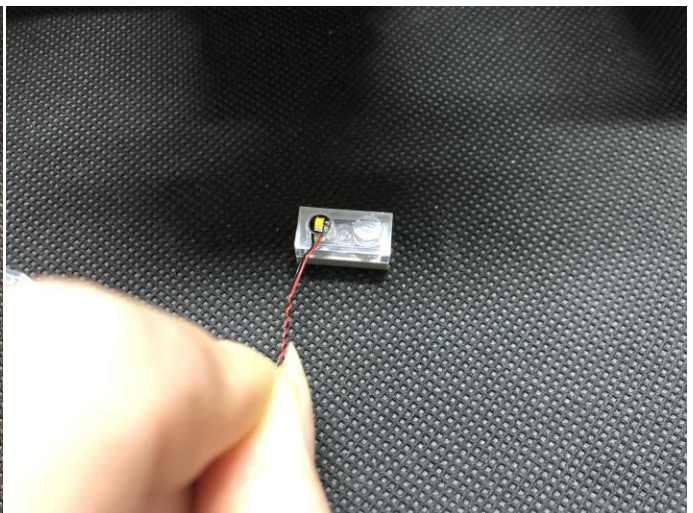
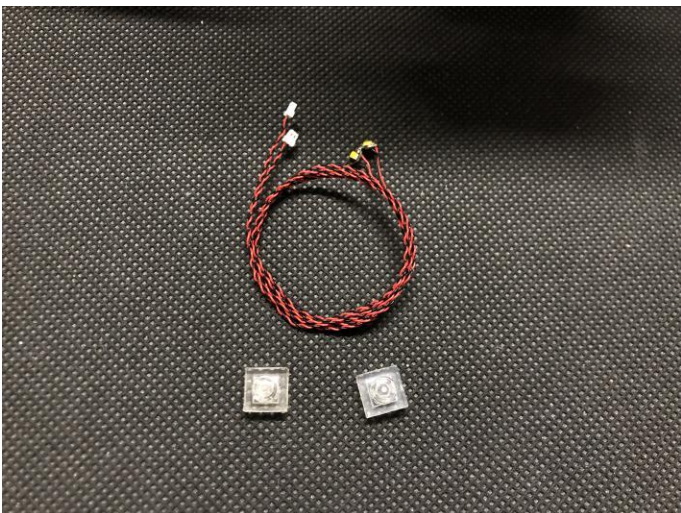
27.Reconnect the bigger light.



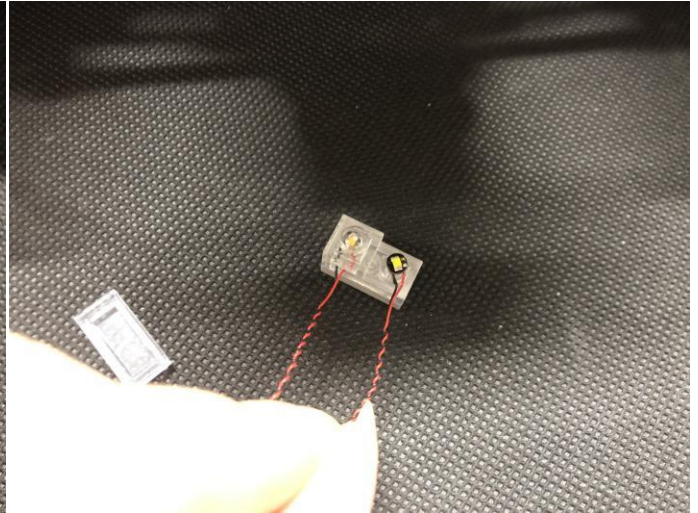
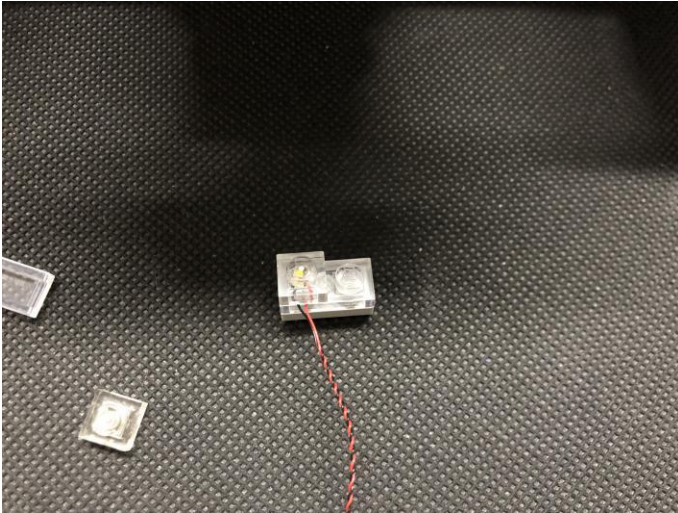
28.Remove the smaller one, disassemble it as per below.



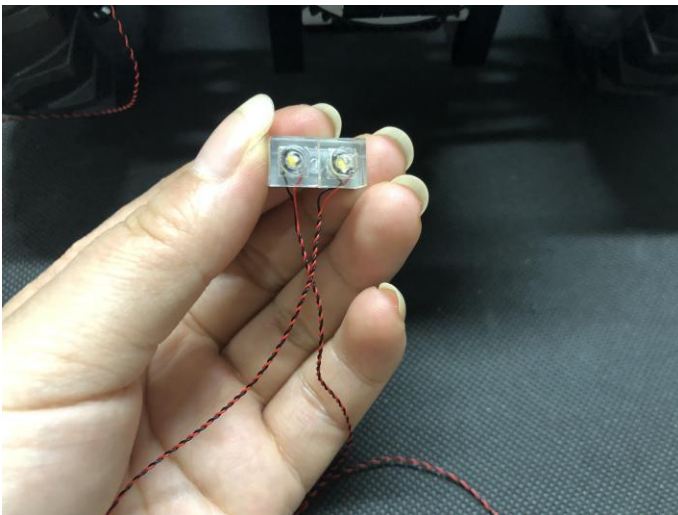
29.take 2 warm white 30cm dot lights, two 1x1 base plates. With lighting part facing up, connect the lights to the piece as per below, secure the lights with the 1x1 plates.



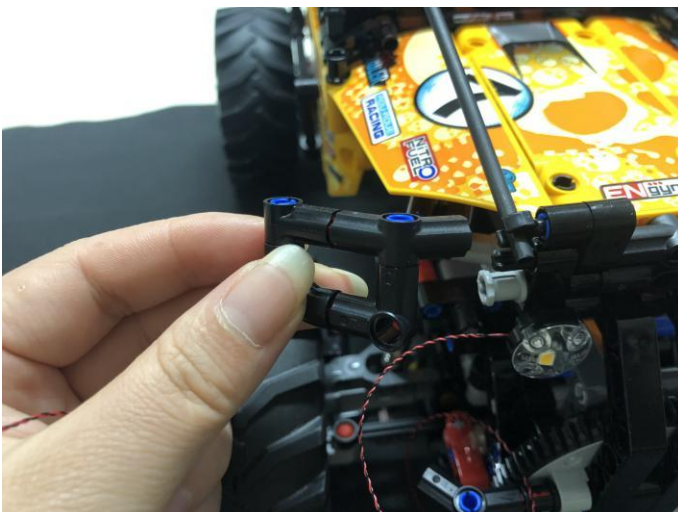
30



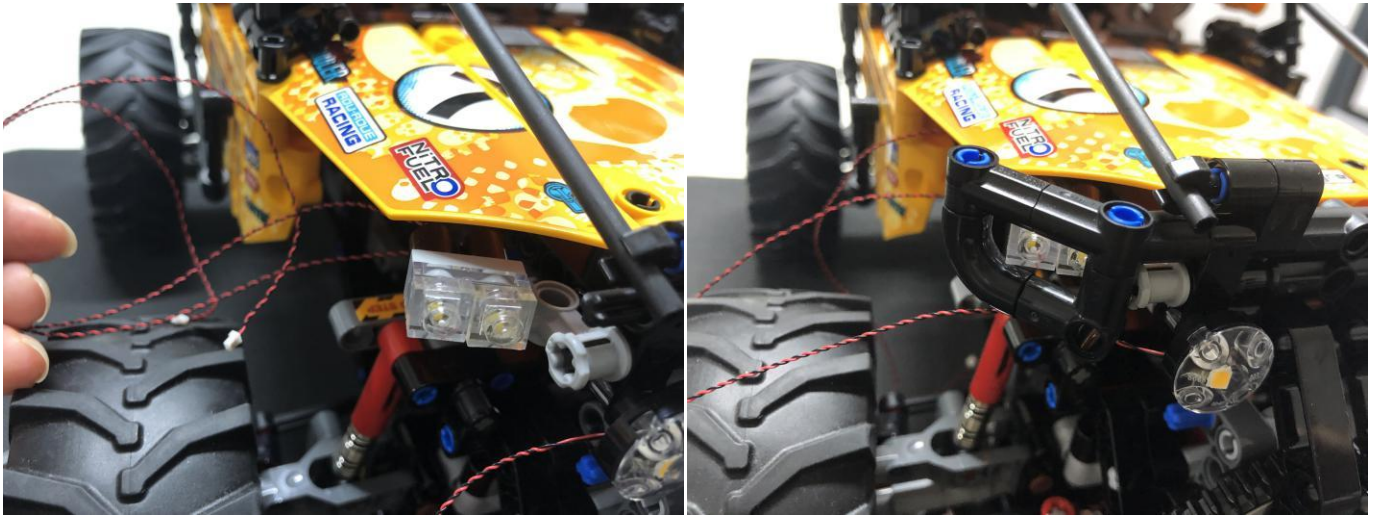
31



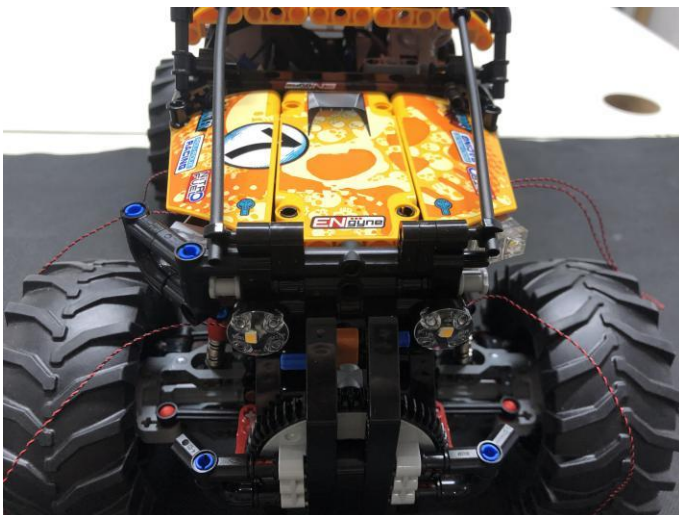
32. Remove the following piece, thread the cable through the blur piece.



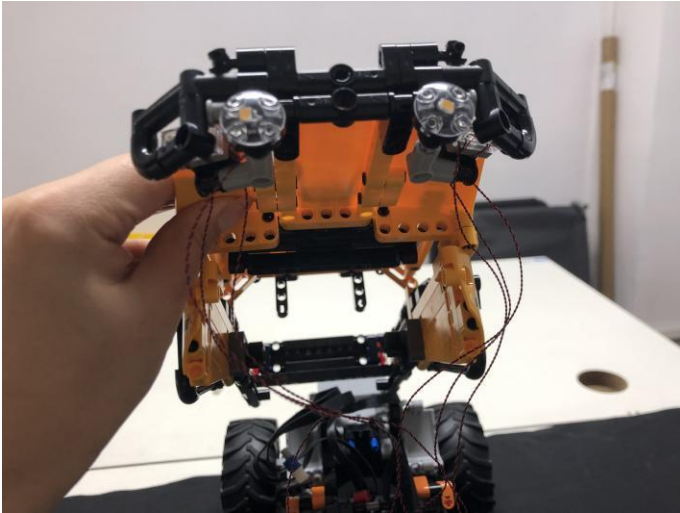
33.Reconnect the light and the piece we removed before.



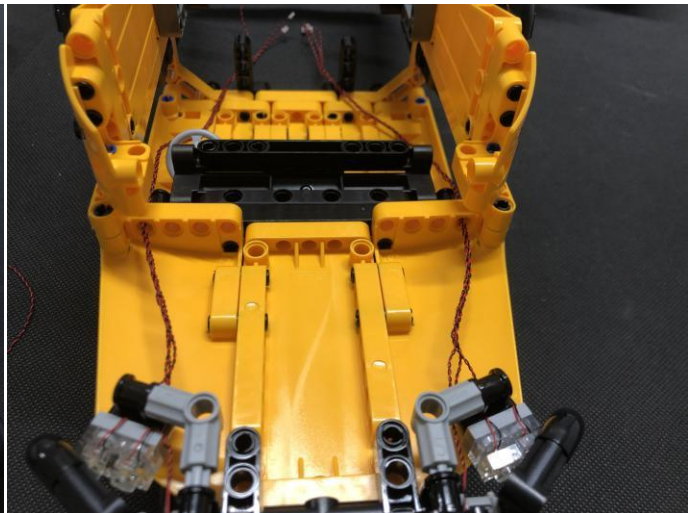
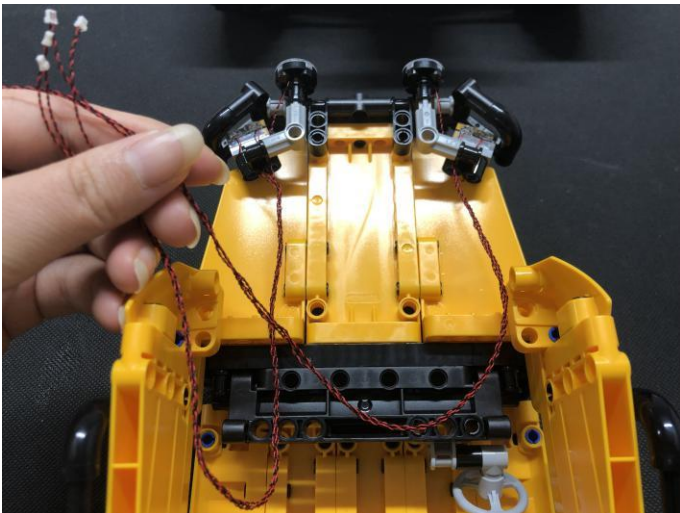
**34.Take a warm white 30cm light
Take 2 warm white 30cm dot light, two 1x1
base plates, repeat the steps above to
install the headlights at the other side.**



35.Remove the roof.



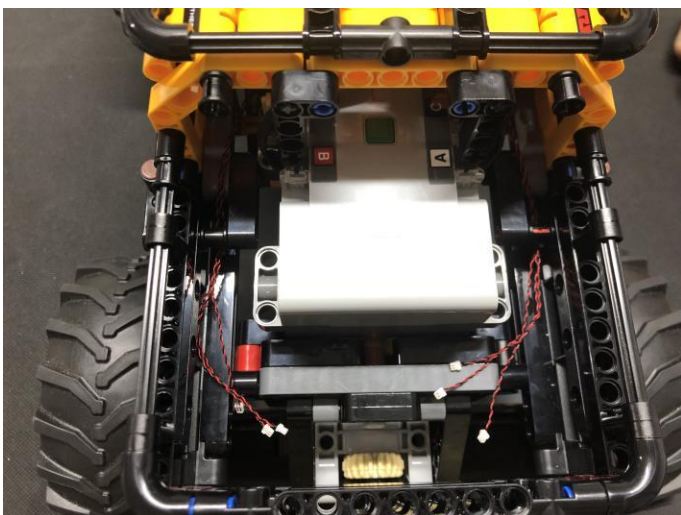
36.Pull the cables of the headlights backward, thread the cables through the following hole.



37.Reconnect the roof.



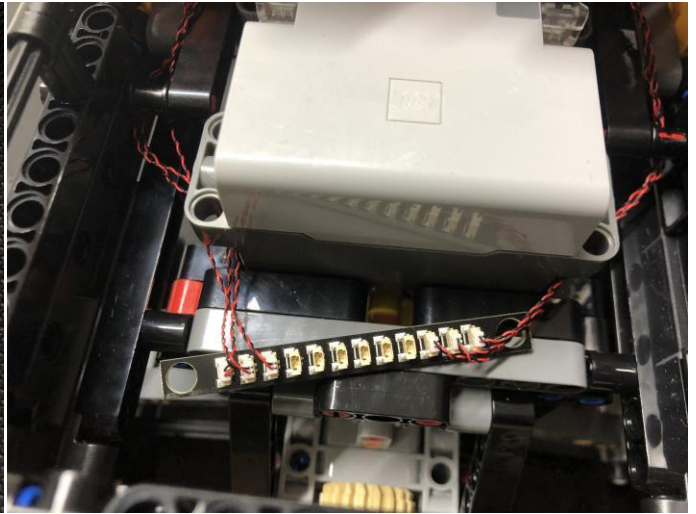
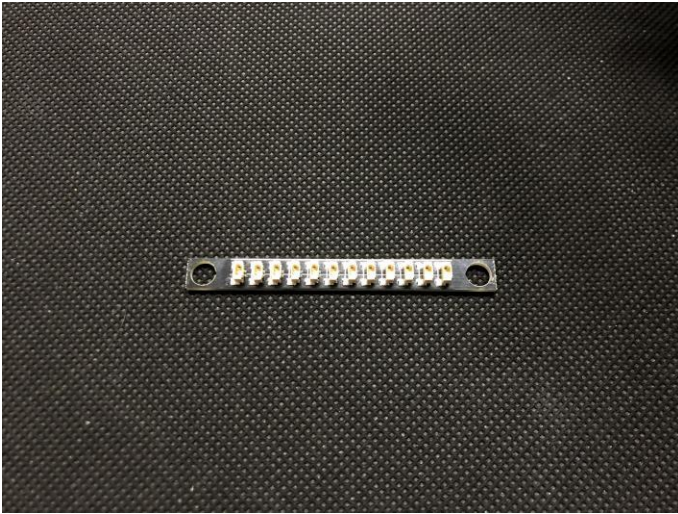
38.Pull the cables to the trunk, hide the cables under the widow as per below.



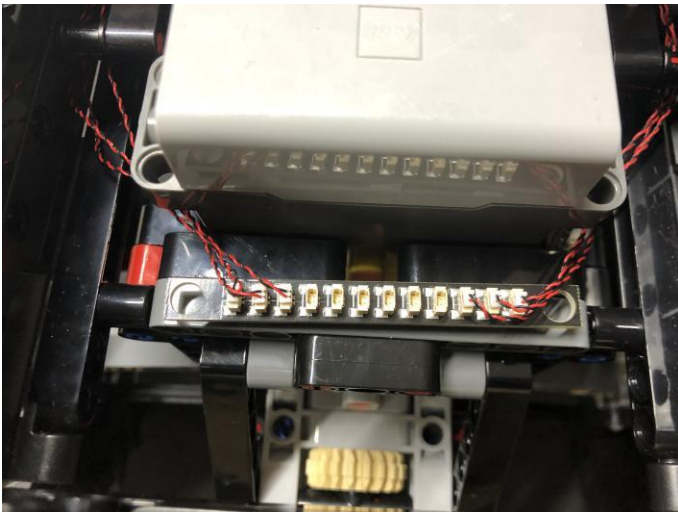
39



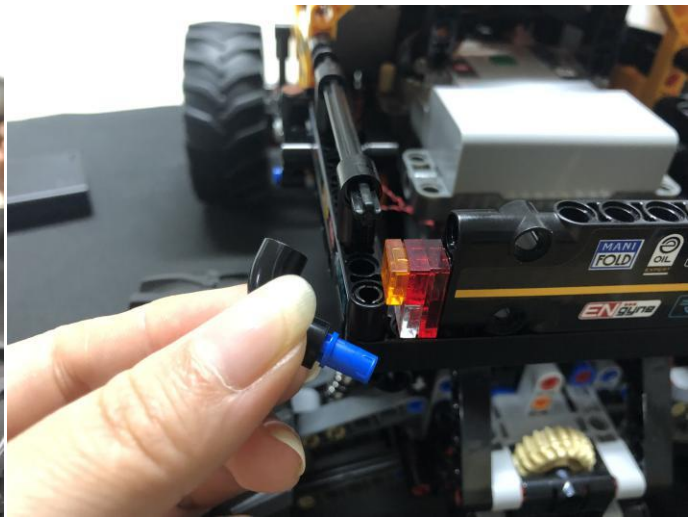
40. Take a 12-port expansion board, connect the cables of the headlights to the expansion board.



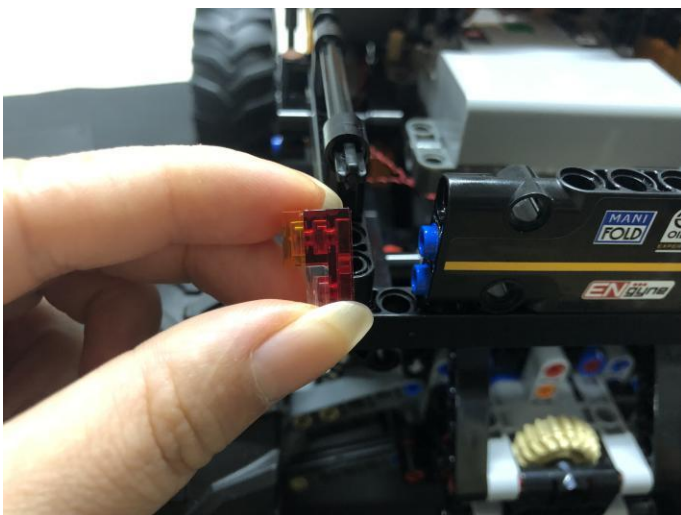
41. Stick the expansion board to the following place with the adhesive squares.



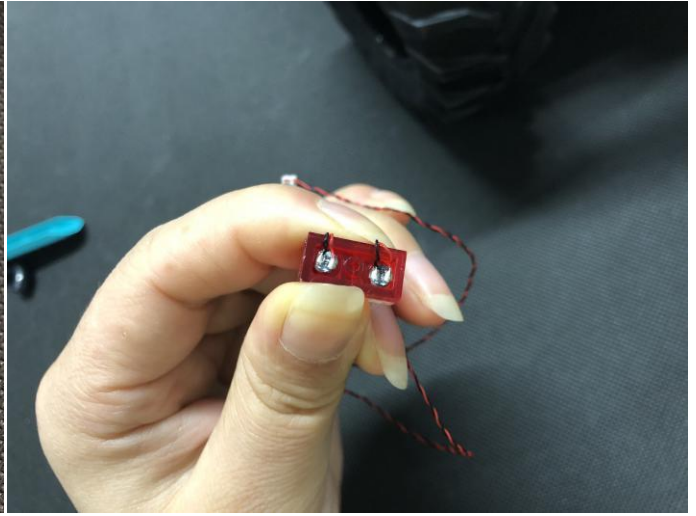
42. Continue to install the taillights, remove the following piece.



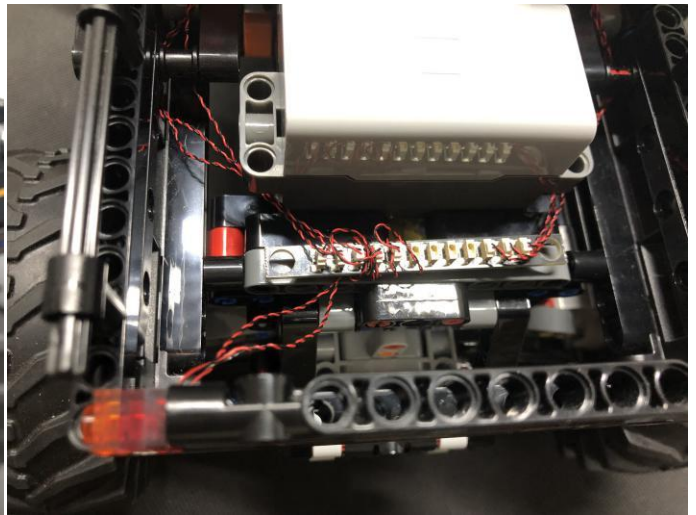
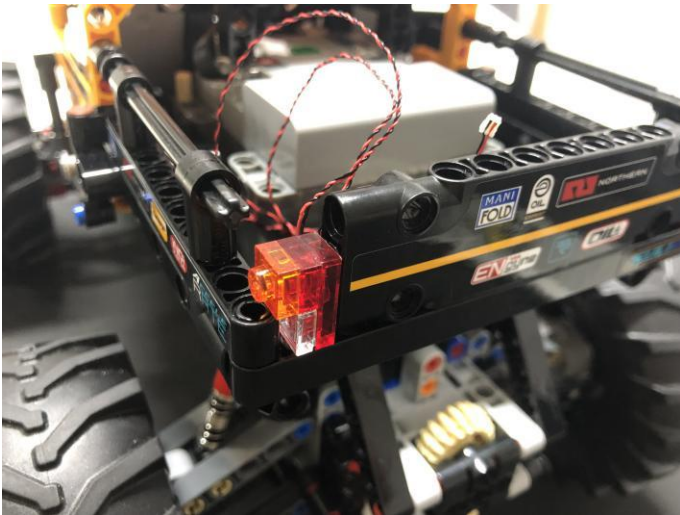
43. Remove the taillights.



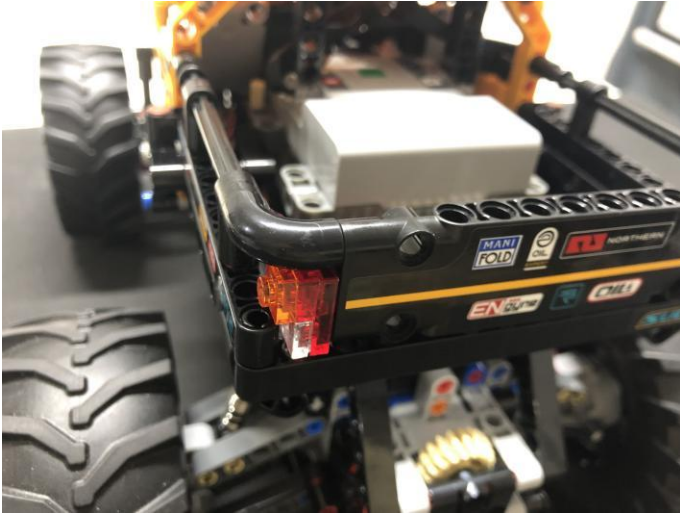
44. Take 2 warm white 15cm dot lights, connect the lights to the following places.



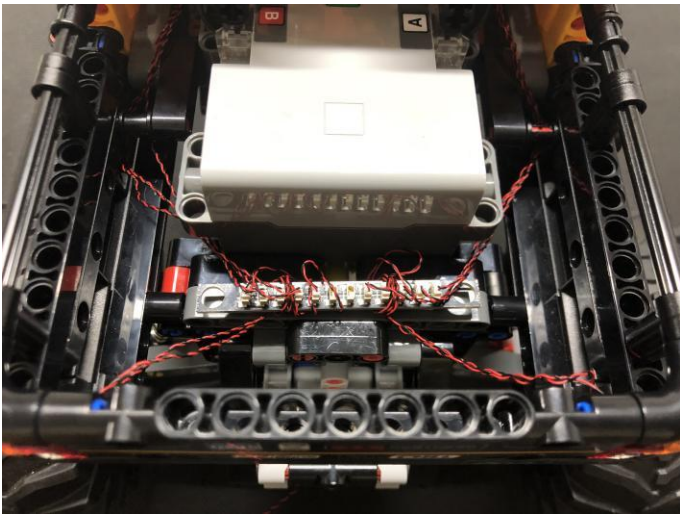
45. Reconnect the taillights, connect the cables to the expansion board.



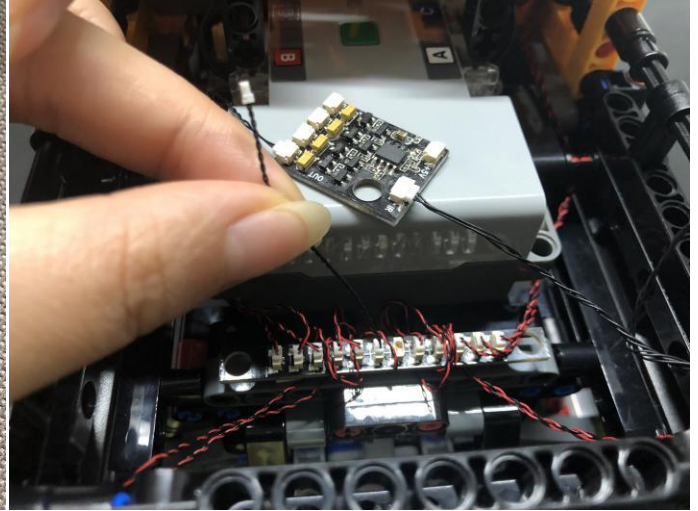
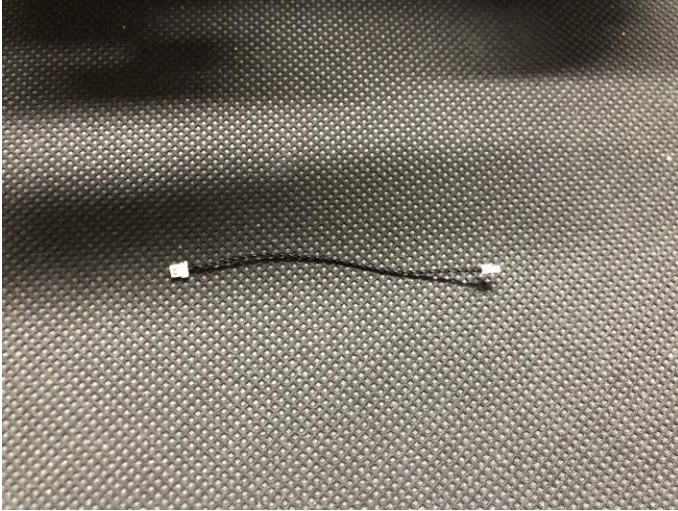
46.Reconnect the pieces we removed before.



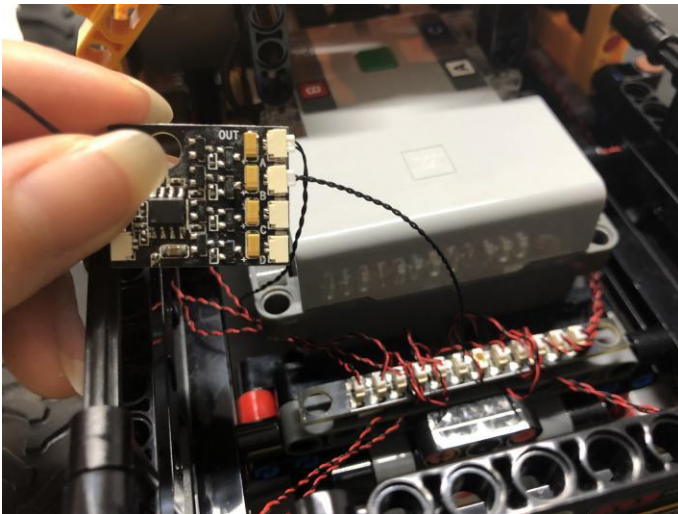
47.Take 2 warm white 15cm dot light, repeat the previous steps to install taillights at the other side.



48. Take a 5cm connecting cable, connect it to the expansion board, connect the other end to the remote control switch board.



49



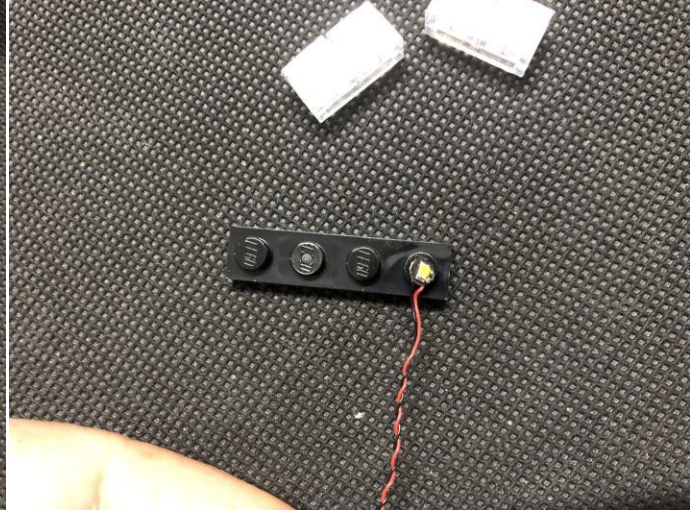
50. Now, we will install lights at the top of the car. Remove the following lights as per below.



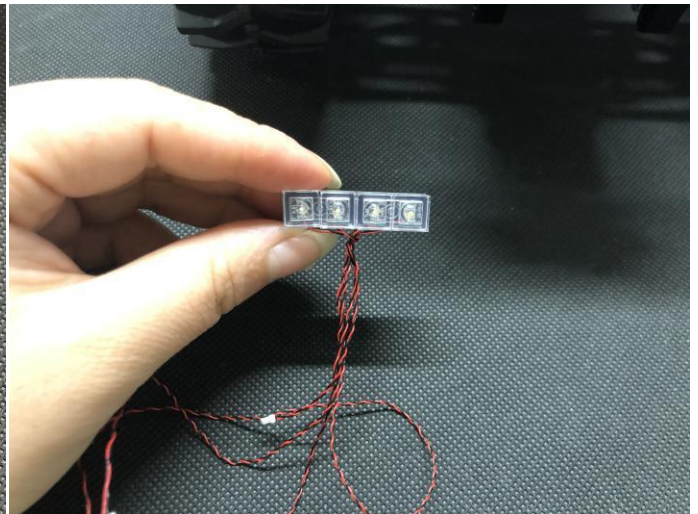
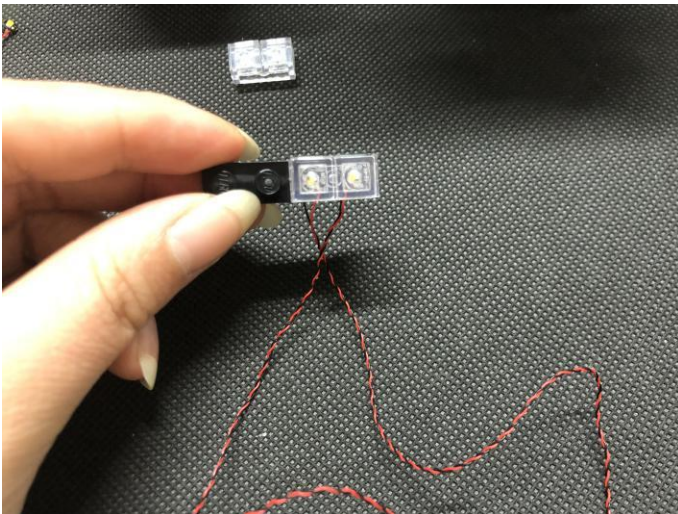
51. Disassemble the lights.



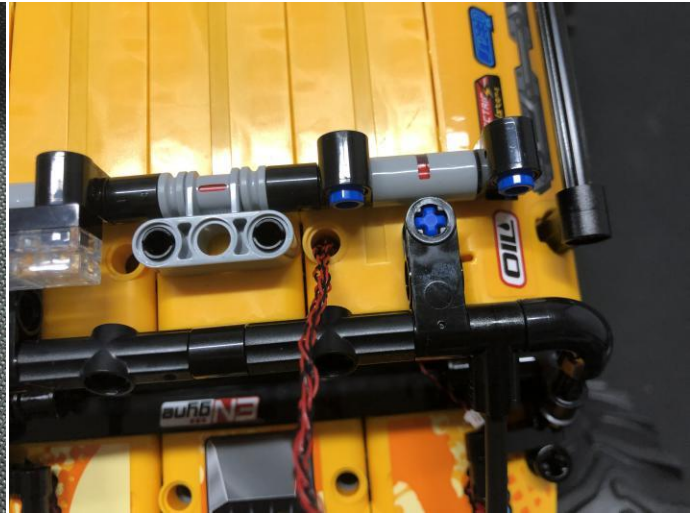
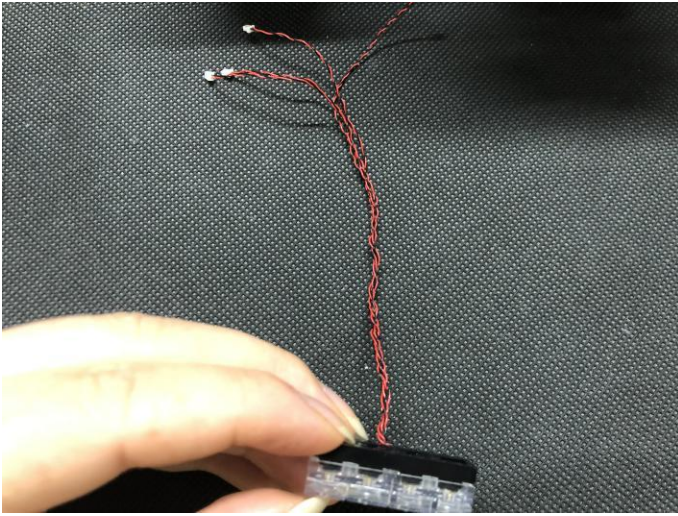
52. Take 4 warm white dot lights, with lighting part facing up, place the lights to the following places, and connect the trans piece over to secure the lights.



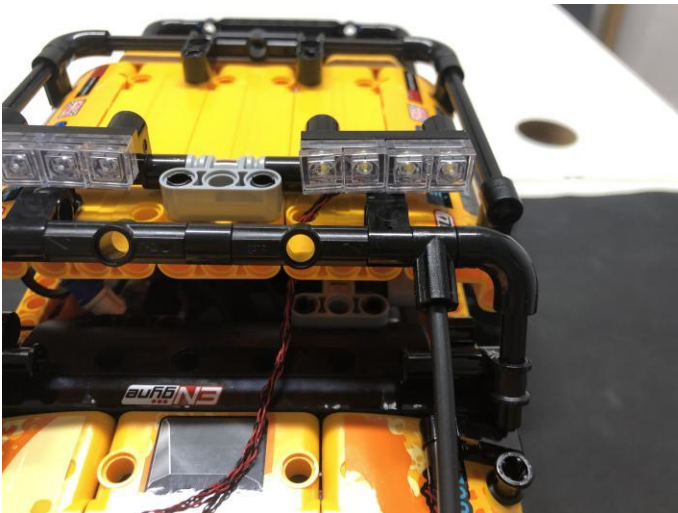
53



54. Group the cables together, thread the cables through the following hole as per below.



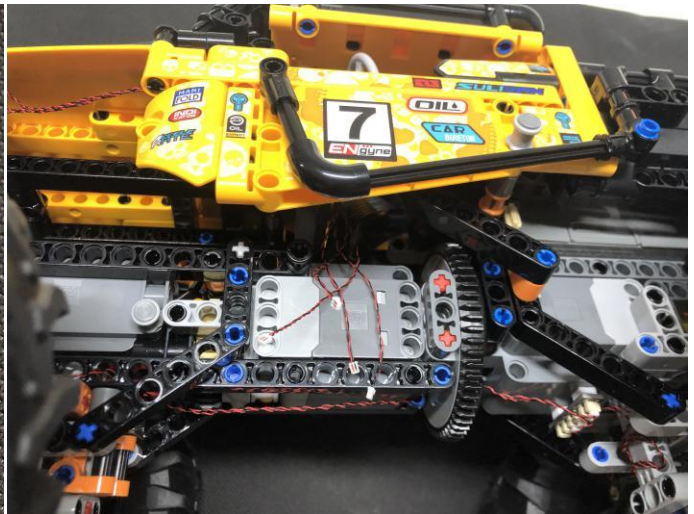
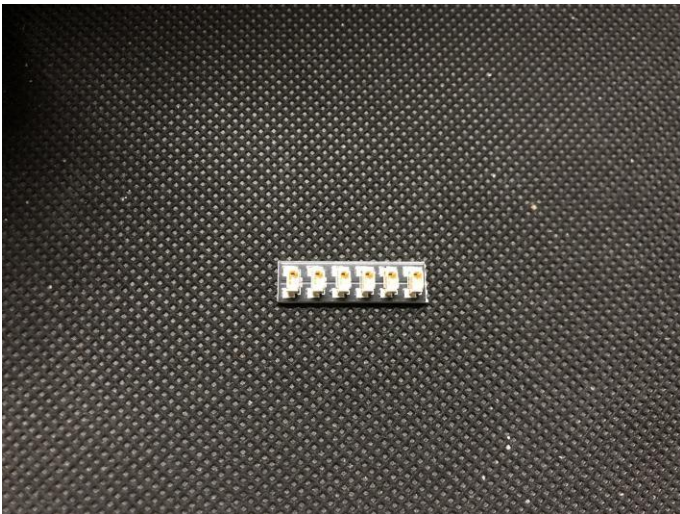
55



56. Take 4 warm white 15cm dot lights, repeat the steps above to install lights for the other side.



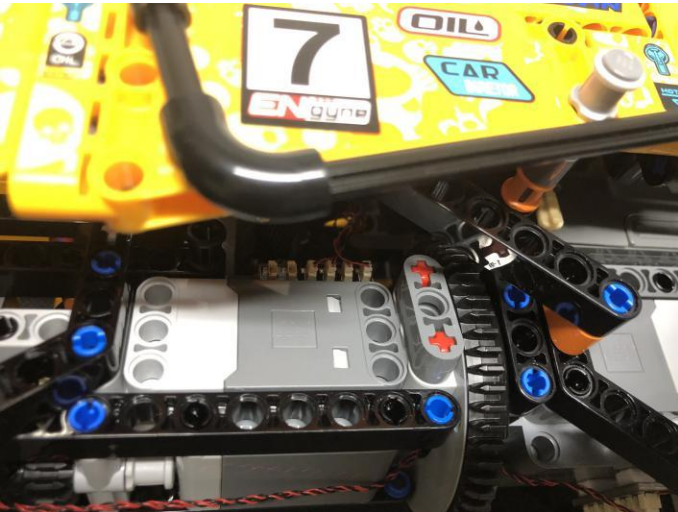
57. Take a 6-port expansion board, connect 4 cables from one side to it.



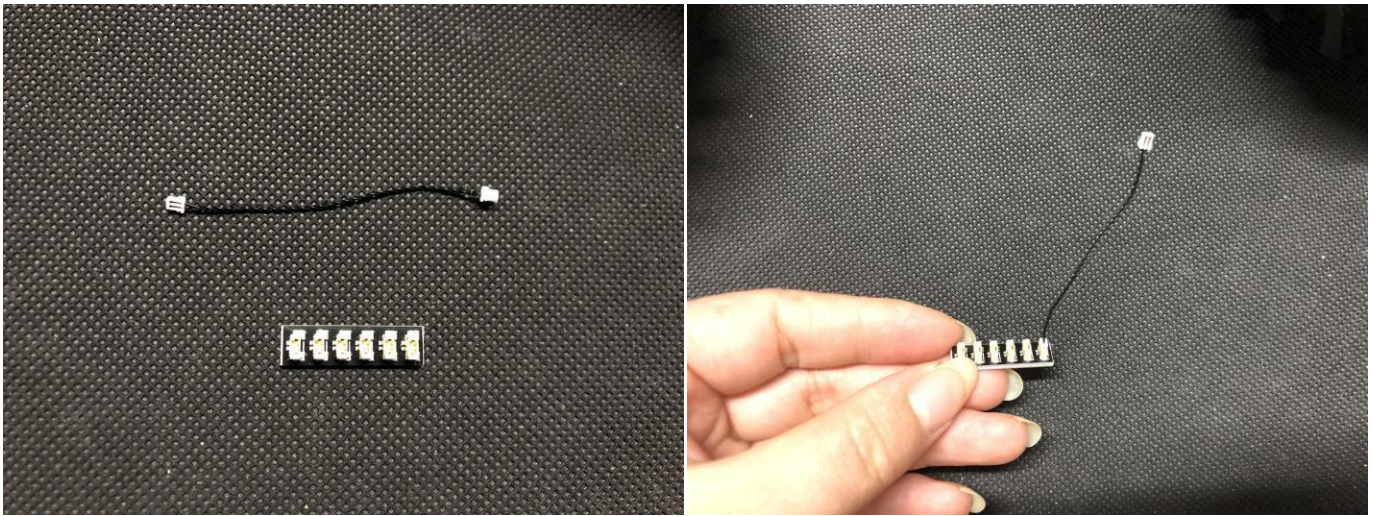
58



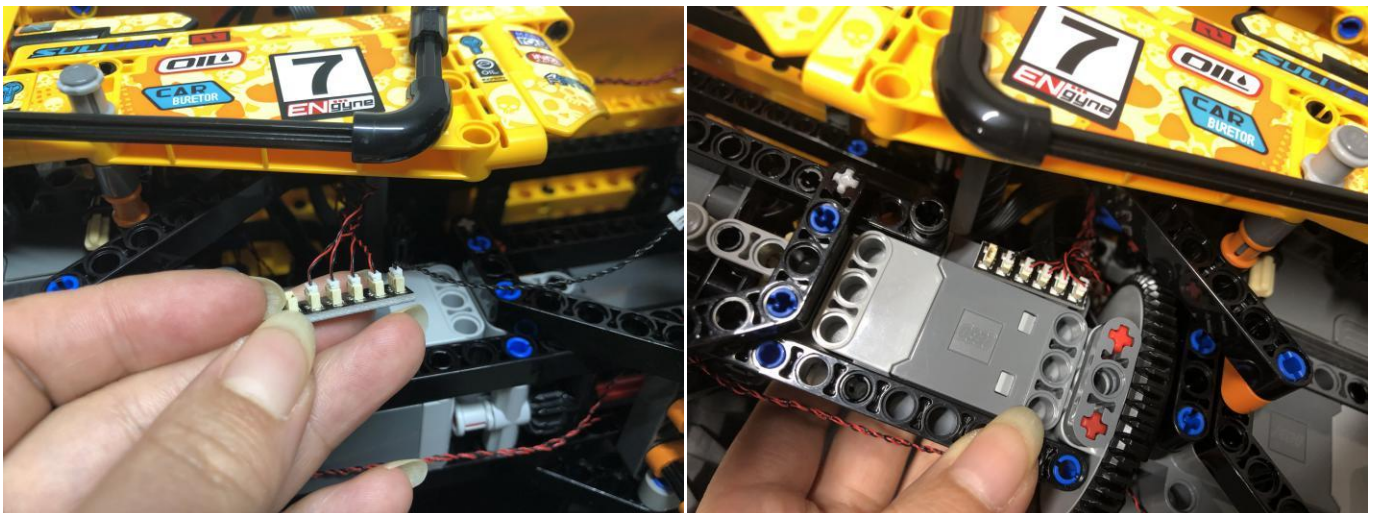
59. Stick the expansion board to the following place with adhesive squares.



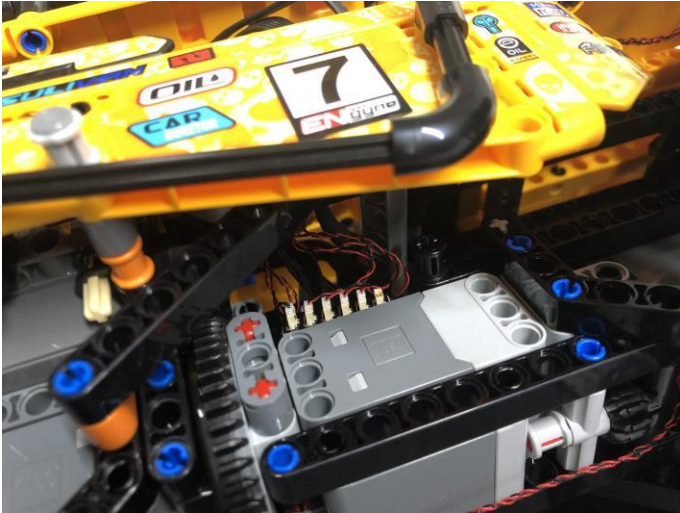
60. Take a 6-port expansion board, a 5cm connecting cable, connect the connecting cables to the expansion board.



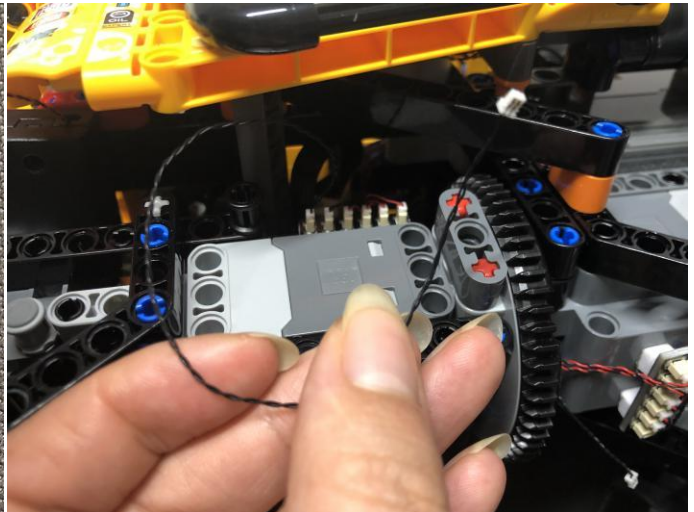
61. Connect the 4 cables from the other side to the expansion board, connect the 2 expansion boards together with the 5cm connecting cable.



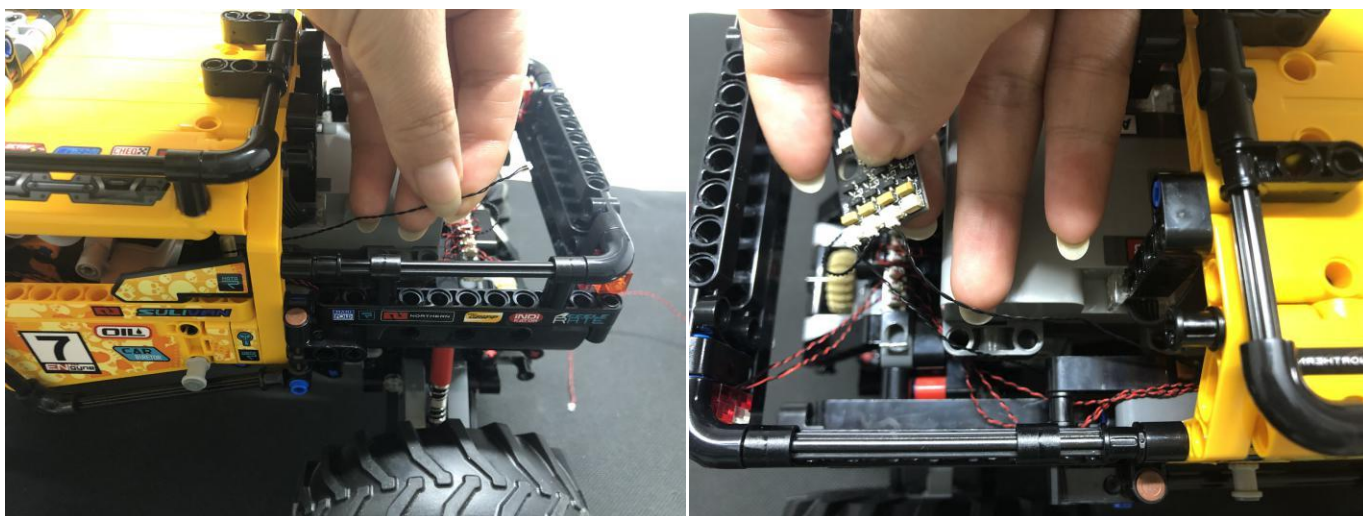
62



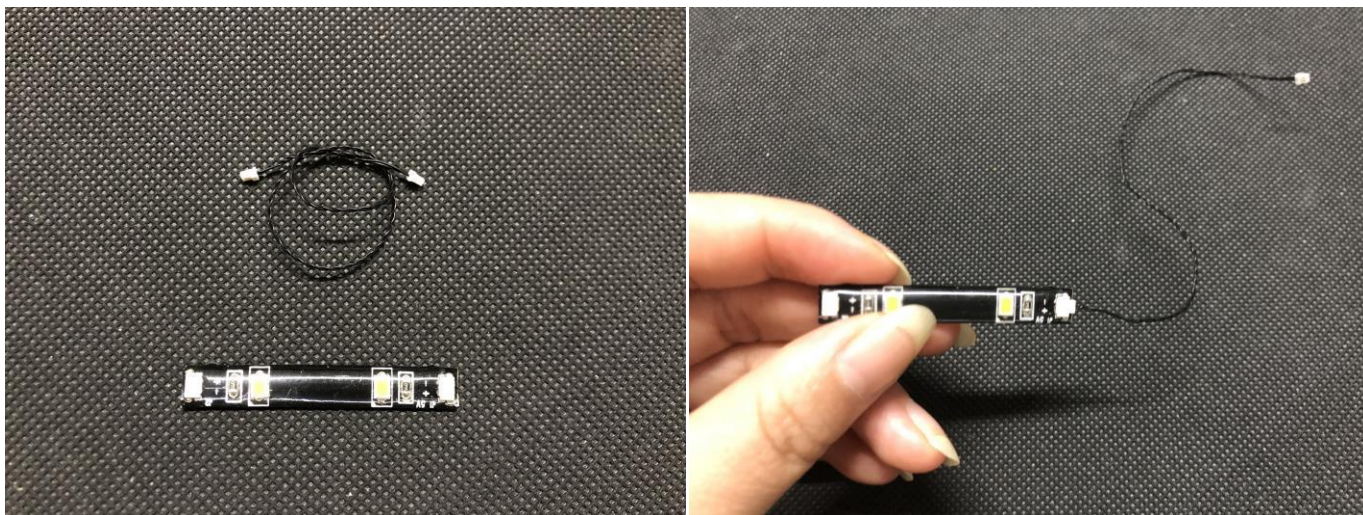
63. Take a 15cm connecting cable, connect it to the following expansion board.



64. Pull the cable toward the 12-port expansion board, connect it to the switch board as per below.



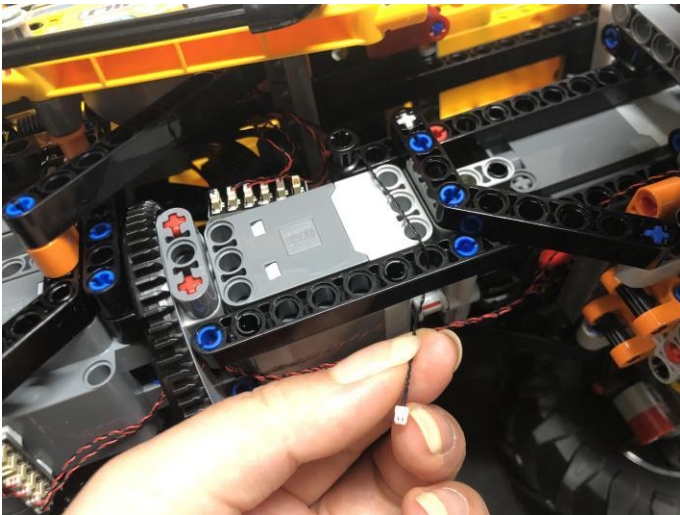
65. Take a warm white strip light, a 15cm connecting cable, connect the connecting cable to the strip light.



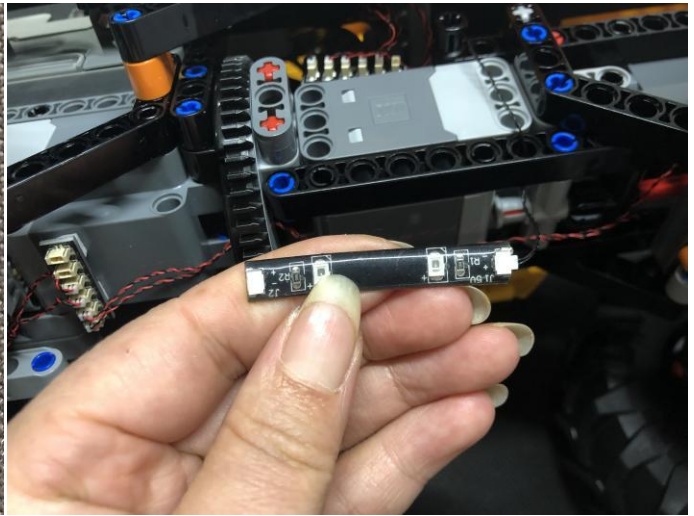
66. Stick the strip light to the roof of the driver's room, pull the cable down to the bottom as per below.



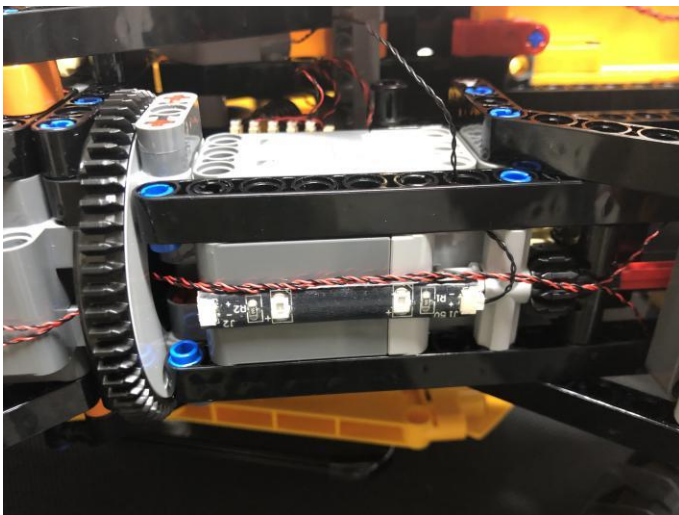
67



68. Take a blue strip light, connect the cable to it.



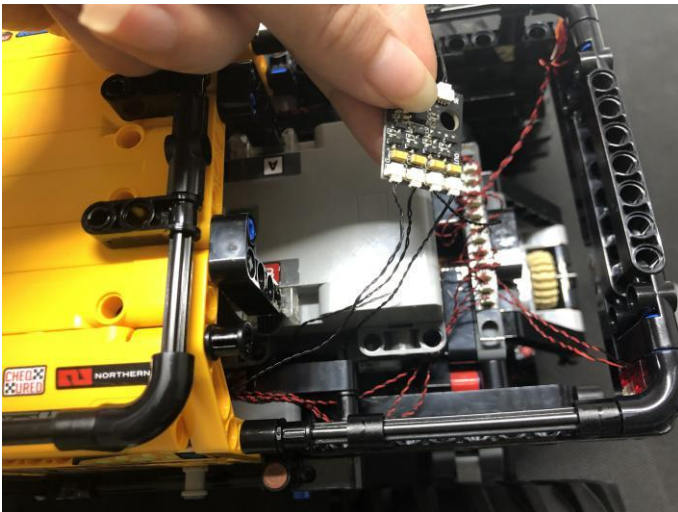
69. Stick the strip light to the following place.



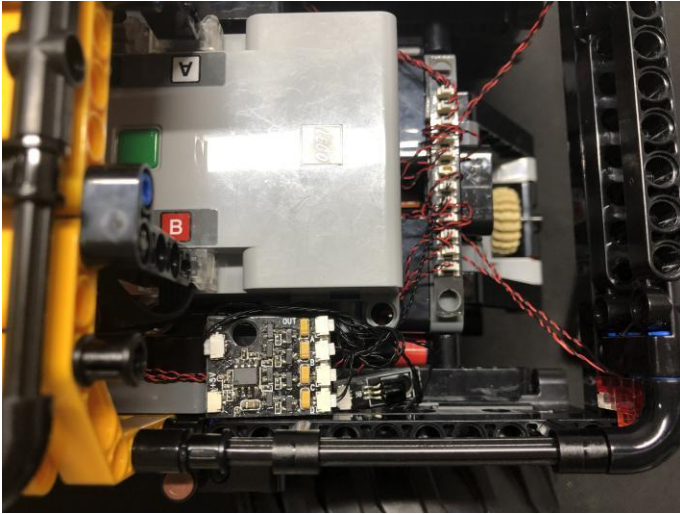
70. Take a 15cm connecting cable, connect it to the strip light inside the driver's room, and pull it to the back, connect it to the switch board.



71



72. Stick the remote control switch board to the following place.



73. Take the AAA Battery Pack, stick it to the following place, connect its cable to the remote control switch board.





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

