

# 42112 Concrete Mixer Truck P18901

- P18901 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 “42112 P18901”.
- 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 11 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	1
Bit Lights-15CM-White	Bit Lights-15CM-White	6
Bit Lights-15CM-Red	Bit Lights-15CM-Red	2
Bit Lights-15CM-Orange	Bit Lights-15CM-Orange	8
Flashing Bit Lights-15CM-Orange	Flashing Bit Lights-15CM-Orange	2
Flashing Bit Lights-30CM-Orange	Flashing Bit Lights-30CM-Orange	2
Expansion Board	6 Socket Expansion Board	1
	12 Socket Expansion Board	2
AAA Battery Box	AAA Battery Box	1
Connecting Cables-15CM	Connecting Cables-15CM	1
Connecting Cables-30CM	Connecting Cables-30CM	1
Parts package		

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

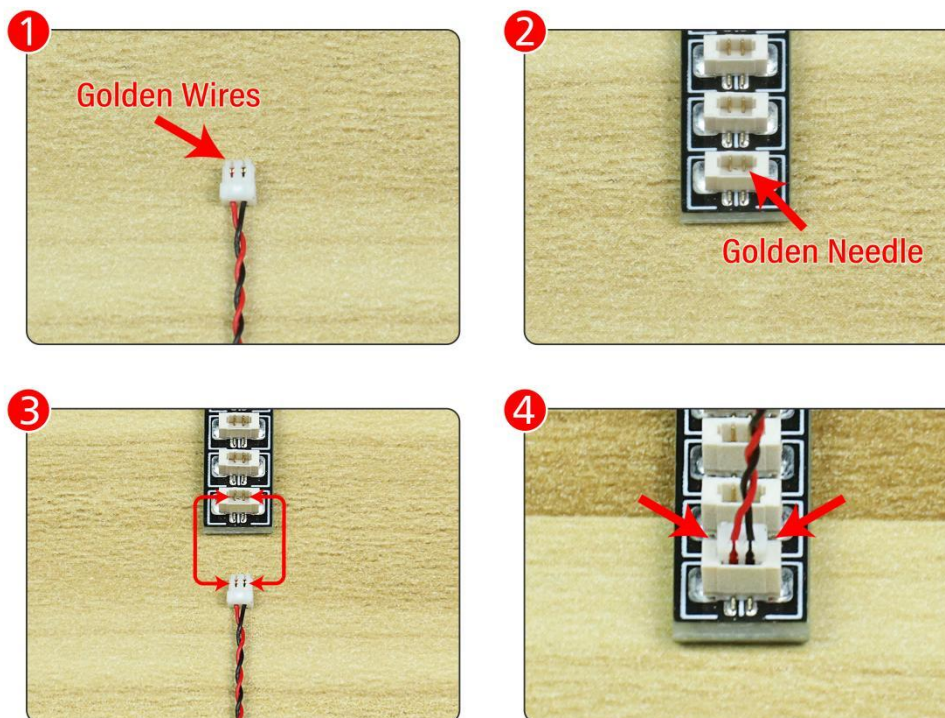
## Section B: Test that each components is working properly.

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



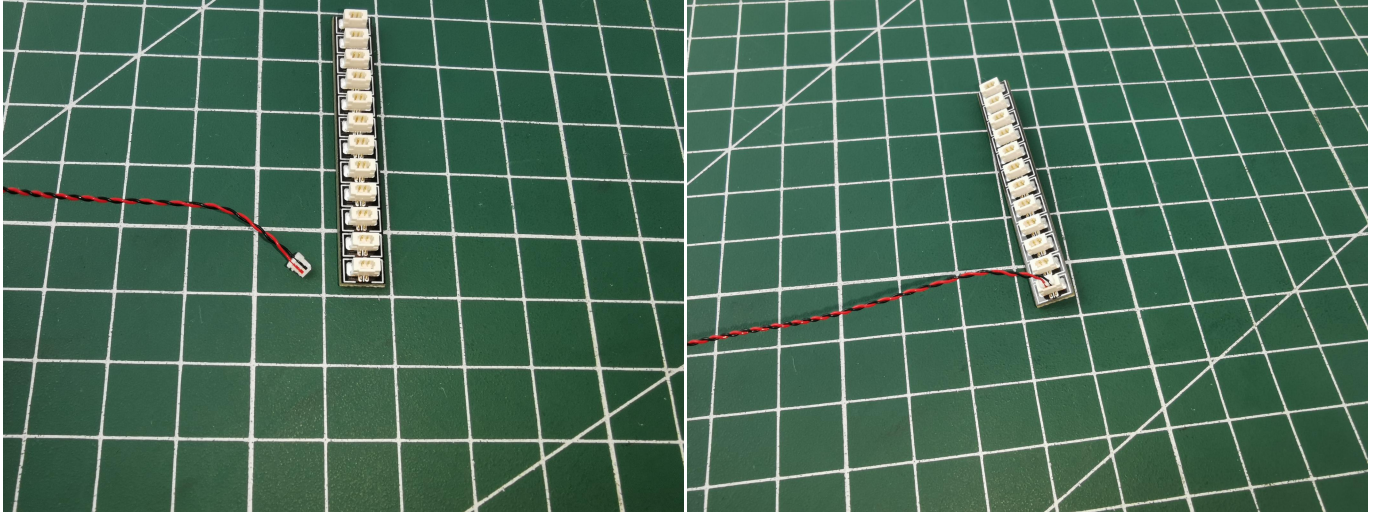
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

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.

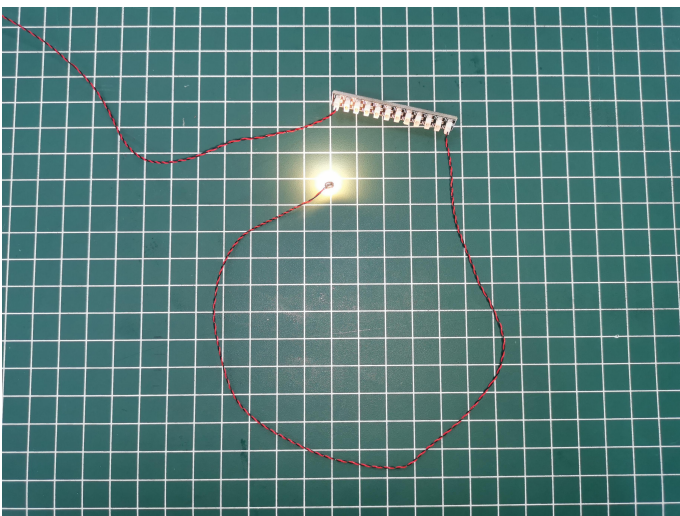
USB connectors to connect devices



**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 6\*Bit Lights-15CM-White,2\*Bit Lights-15CM-Red,8\*Bit Lights-15CM-Orange,2\*Flashing Bit Lights-15CM-Orange,2\*Flashing Bit Lights-30CM-Orange.**

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

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

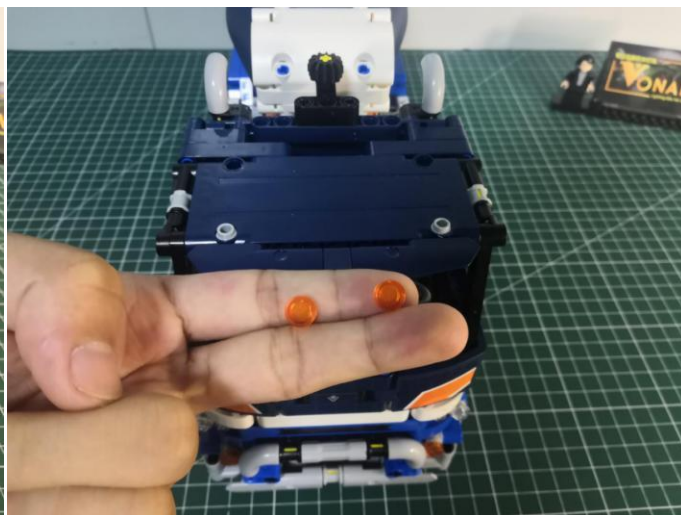
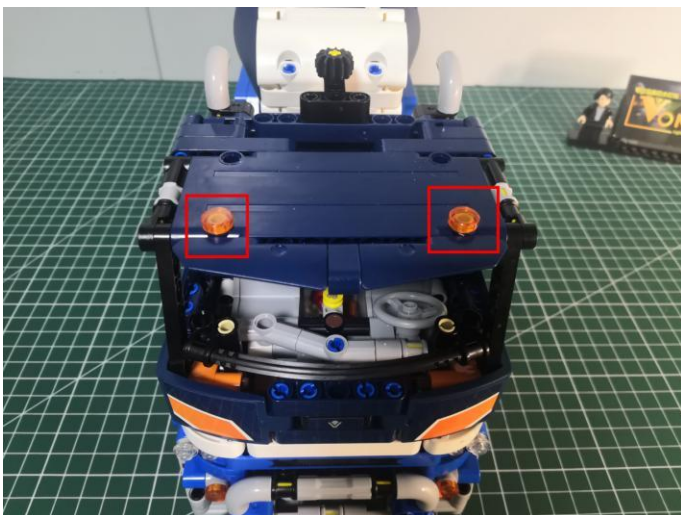
1. Take the truck.



2. Turn to the front.

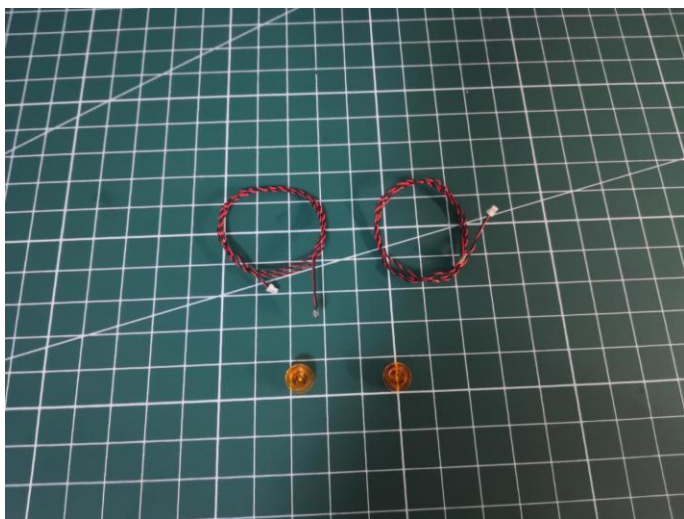


3. Remove the 2 headlights from the roof.

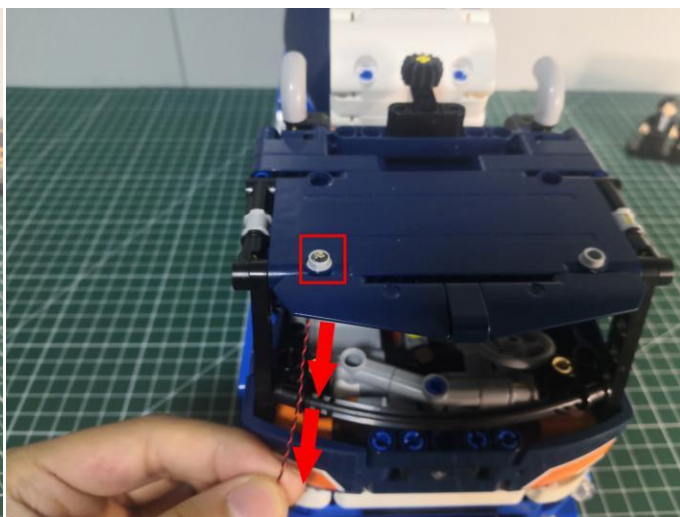
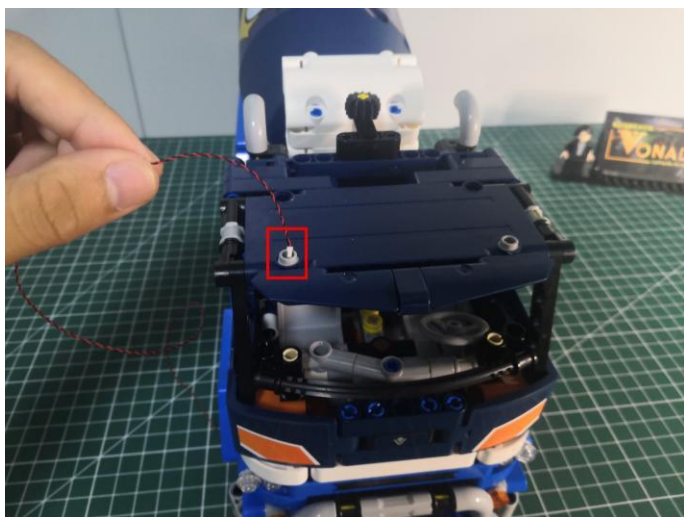




**4. Take 2 flashing orange 30cm dot lights, 2 trans orange round plates.**



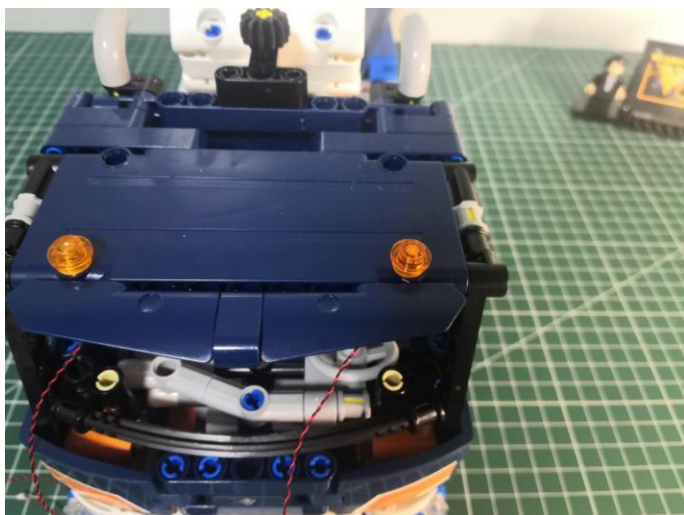
**5. Thread the cable down through the following left hole on the roof, pull it out, with lighting part facing up.**



**6. Connect the trans orange 1x1 round plate over as per below.**



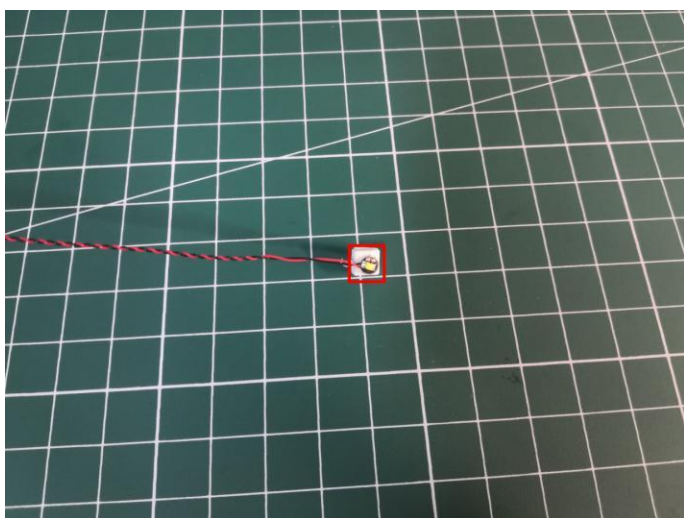
**7. Install the light at the right side in the same way.**



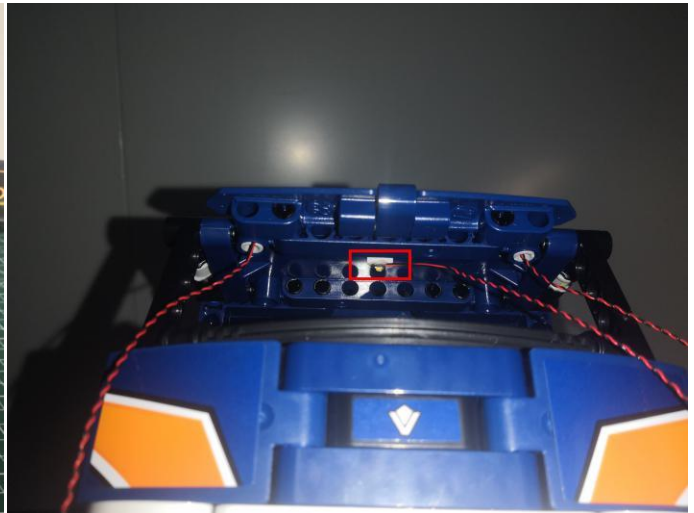
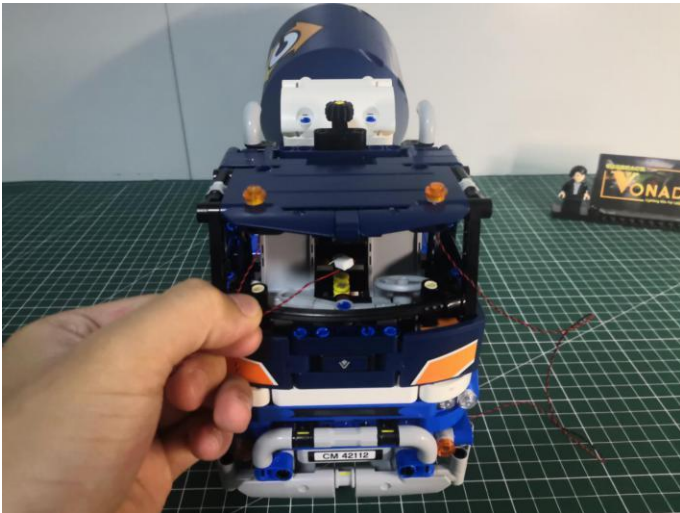
**8. Take a 30cm warm white dot light, an adhesive square.**



**9. Stick the adhesive square to the back of the light.**



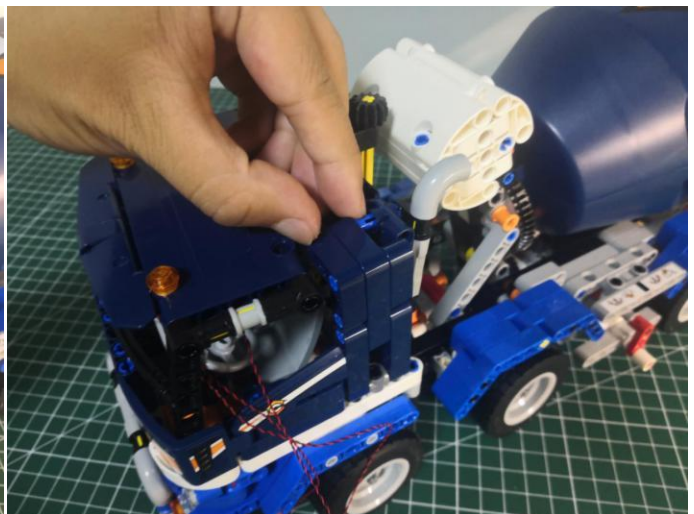
**10. Turn to the inside, stick the light to the following place.**



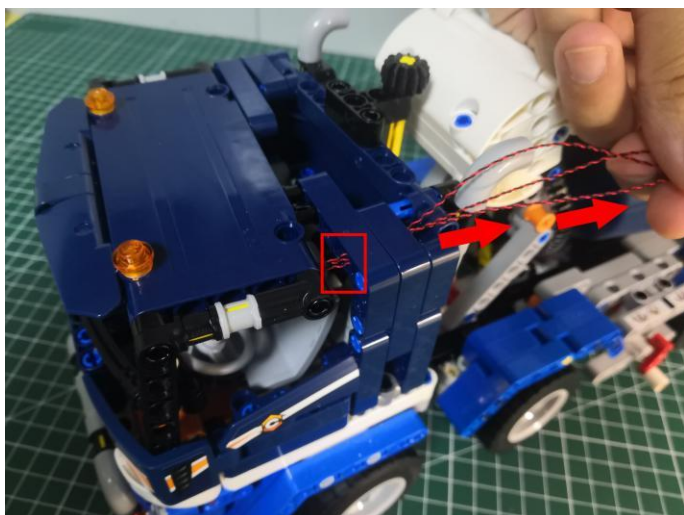
**11. Place the 3 cables at the right side as per below.**



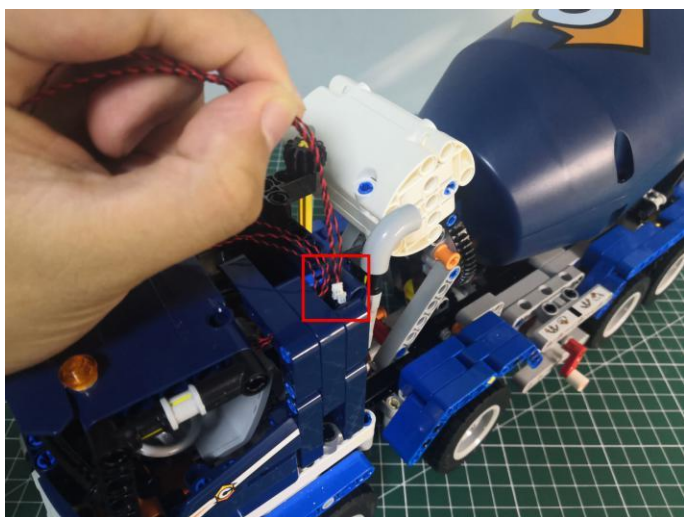
**12. Turn to the right, disconnect the following piece as per below.**



**13. Thread the cables through the following hole.**



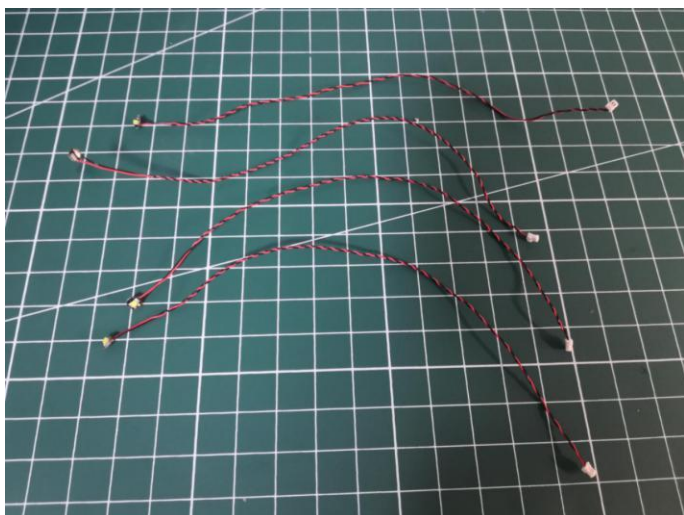
**14. Continue to thread the cables through the following space.**



**15. Turn to the head. Remove the following 4 headlights.**



**16. Take 4 white 15cm dot lights.**



**17. Turn to the left, thread the cable through the hole, and pull it out, with lighting part facing up.**



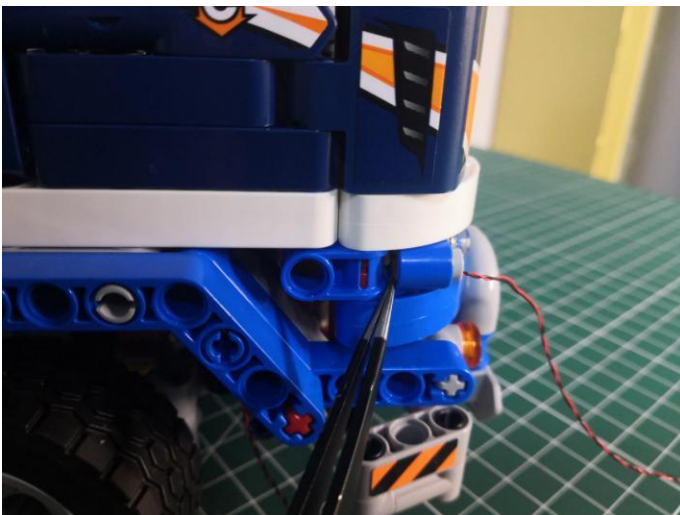
**18. Reconnect the headlight.**



**19. Thread the cable through the hole as per below.**



**20. Turn to the side, thread the cable through with the tweezers, and pull the cable out from the bottom.**



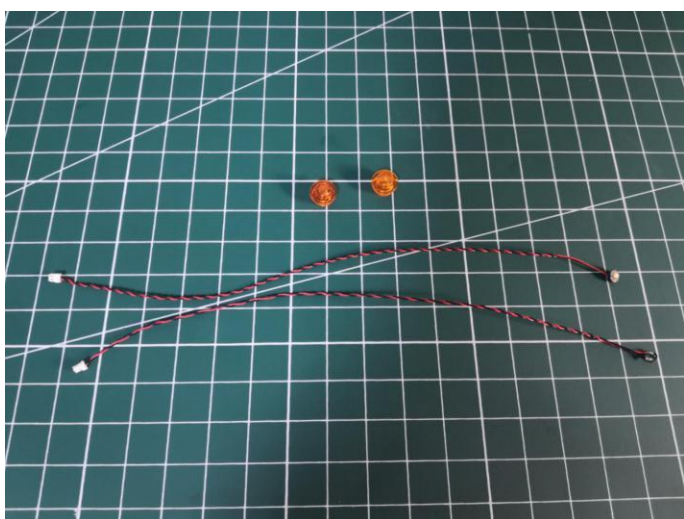
**21. Install the light at the right side in the same way.**



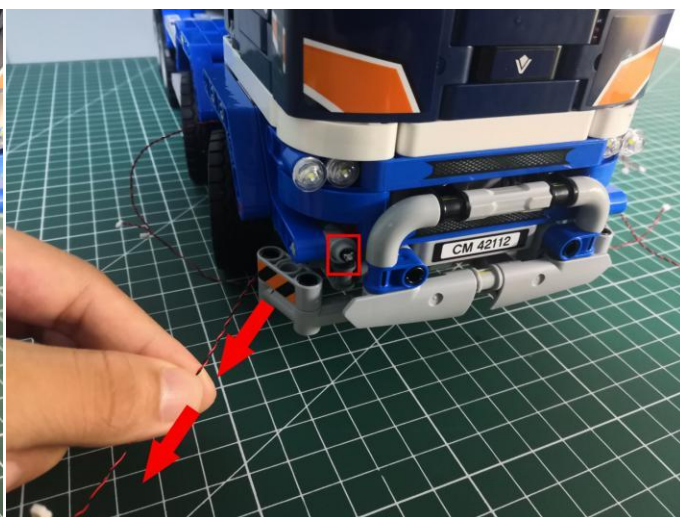
**22. Remove the following lights from both sides.**



**23. Take 2 orange 15cm dot lights, 2 trans orange 1x1 round plates.**



**24. Turn to the left, thread the cable out from the hole, with lighting part facing up.**



**25. Connect the trans orange 1x1 round plate over as per below.**



**26. Install the light at the right side in the same way.**



**27. Turn to the following side.**

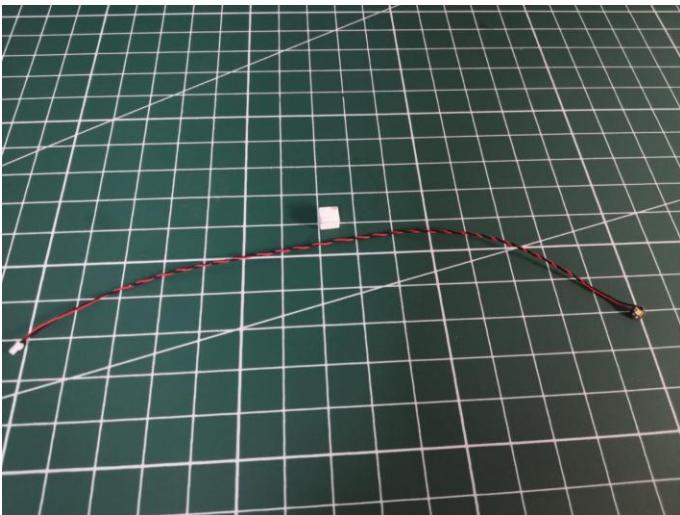




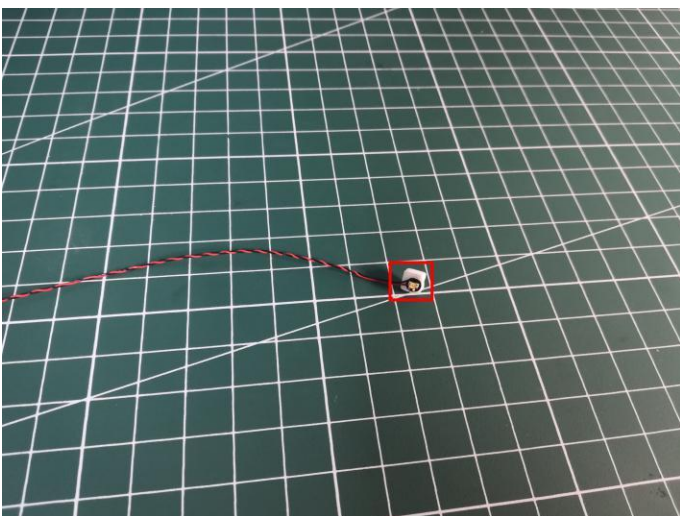
**28. And turn to the following place.**



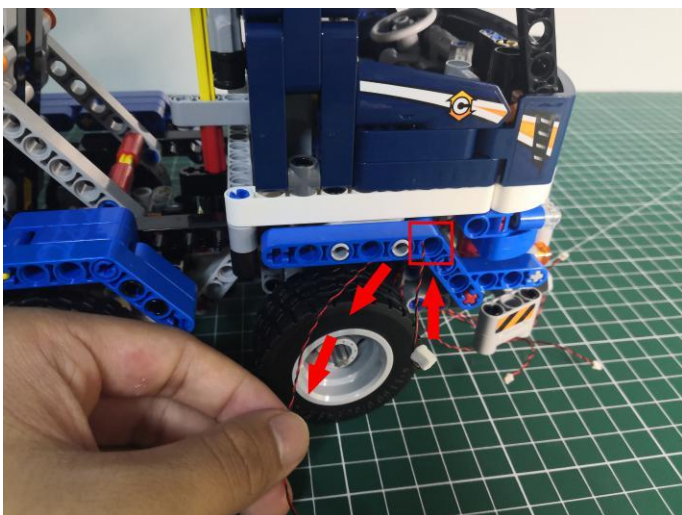
**29. Take an orange 15cm dot light, an adhesive square.**



**30. Stick the adhesive square to the back of the light.**



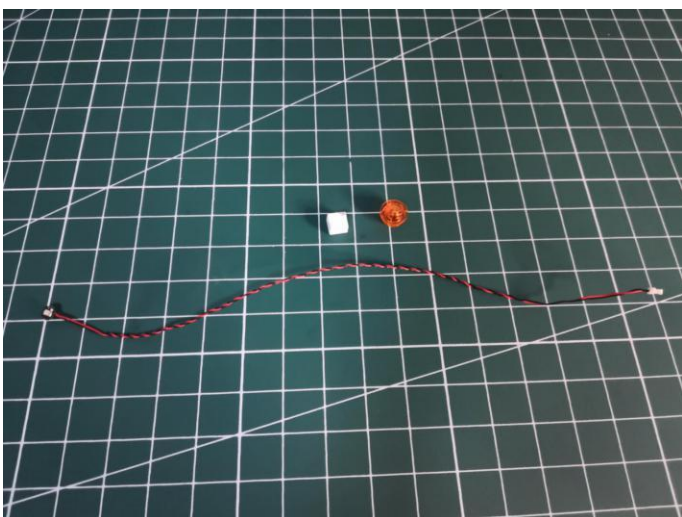
**31. Turn to the front, thread the cable through the hole, and pull it out.**



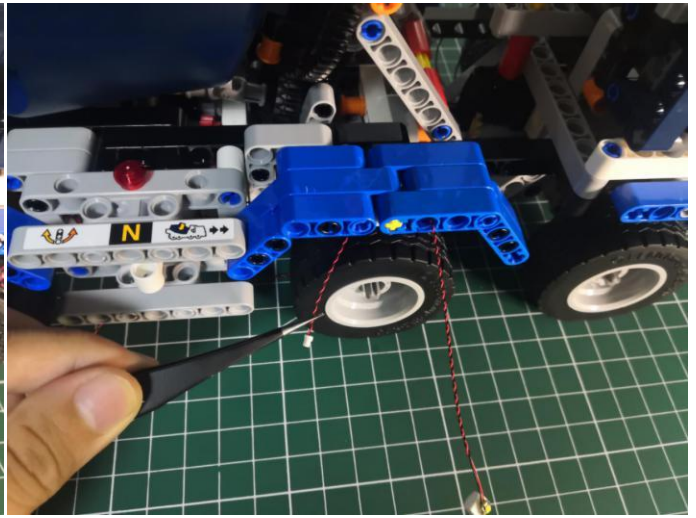
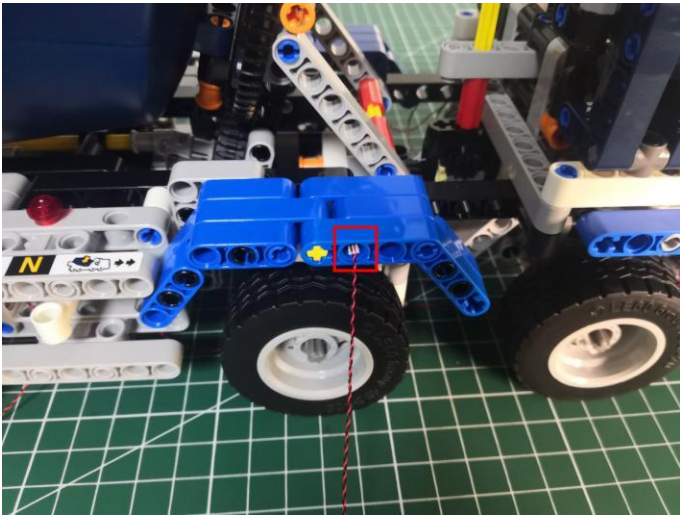
**32. Take a trans orange 1x1 round plate, connect it over the light.**



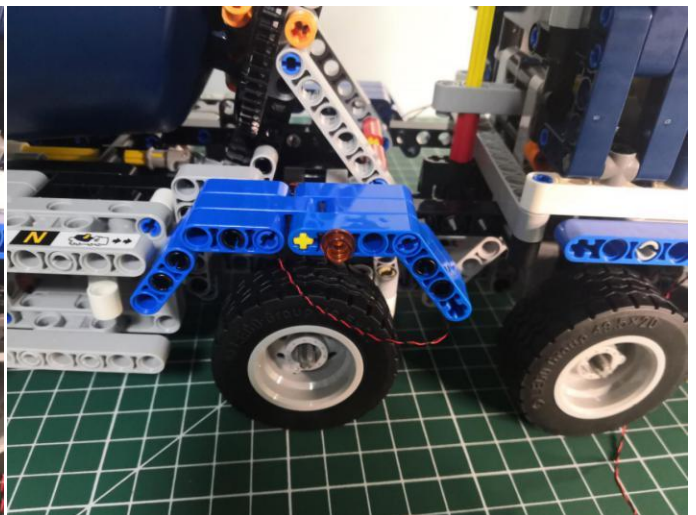
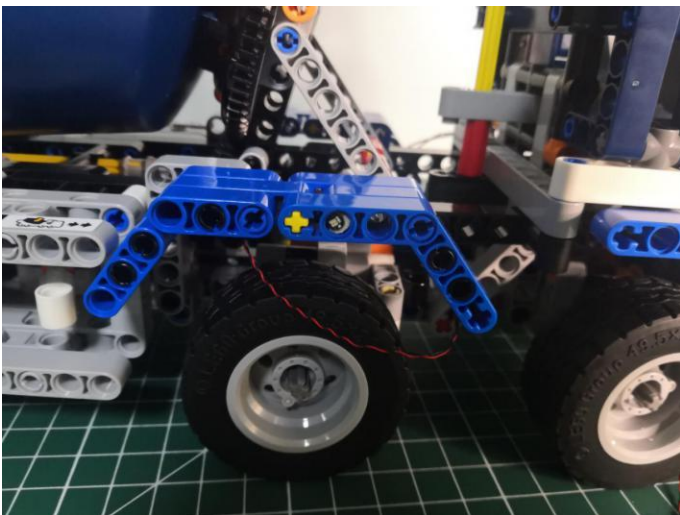
**33. Take a flashing orange 15cm dot light, a trans orange 1x1 round plate, an adhesive square.**



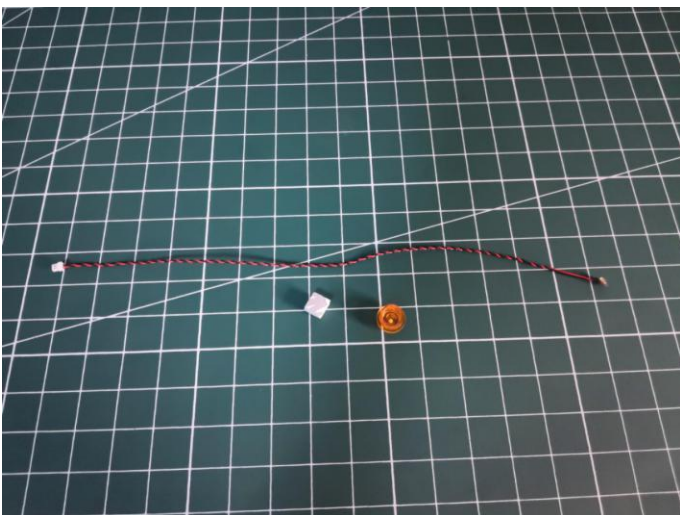
**34. Turn to the center, thread the cable through the following hole, and pull it out with the tweezers.**



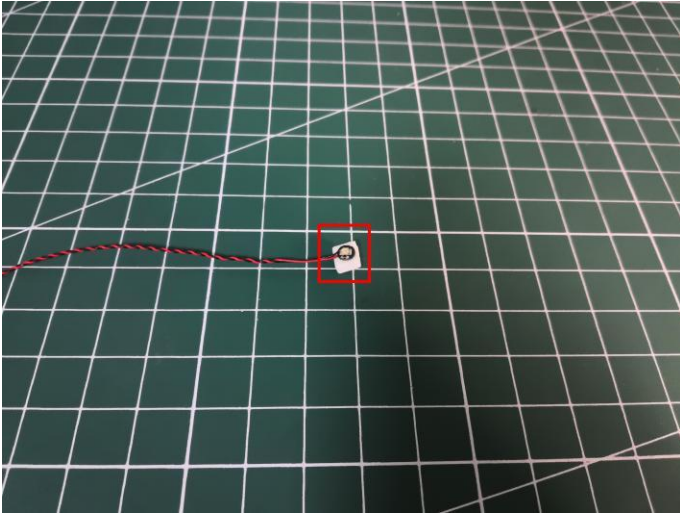
**35. Connect the trans orange 1x1 round plate over as per below.**



**36. Take an orange 15cm dot light, a trans orange 1x1 round plate, an adhesive square.**



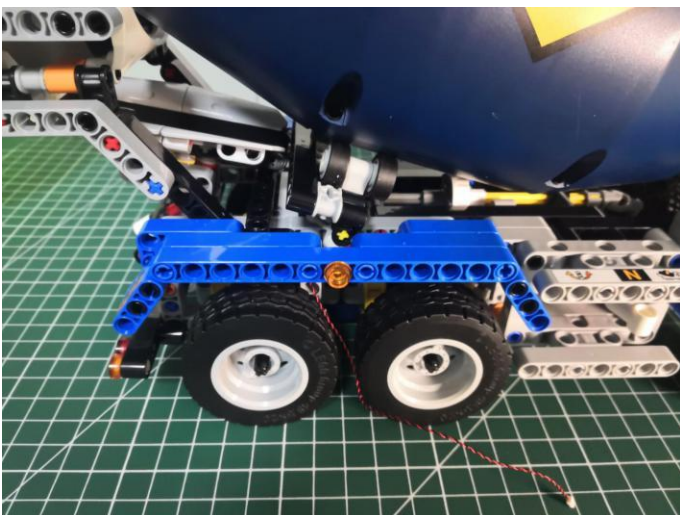
**37. Stick the adhesive square to the back of the light.**



**38. Turn to the back, thread the cable through the following hole, and pull it out, with lighting part facing up.**



**39. Connect the trans orange 1x1 round plate over as per below.**



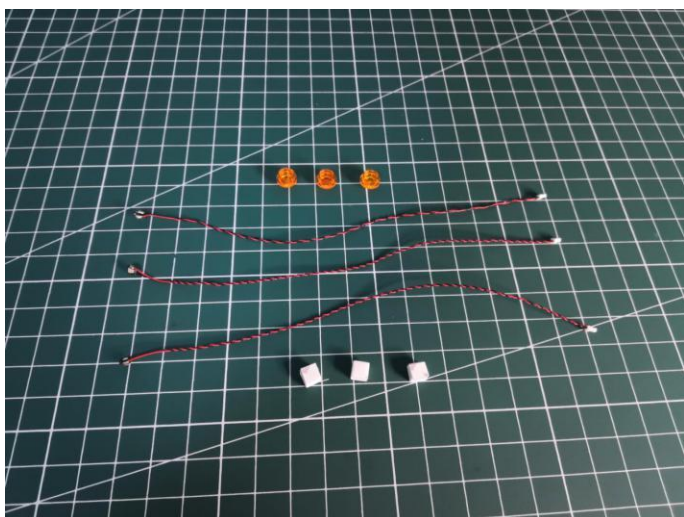
**40. Thread the cable through the hole, and pull it out as per below.**



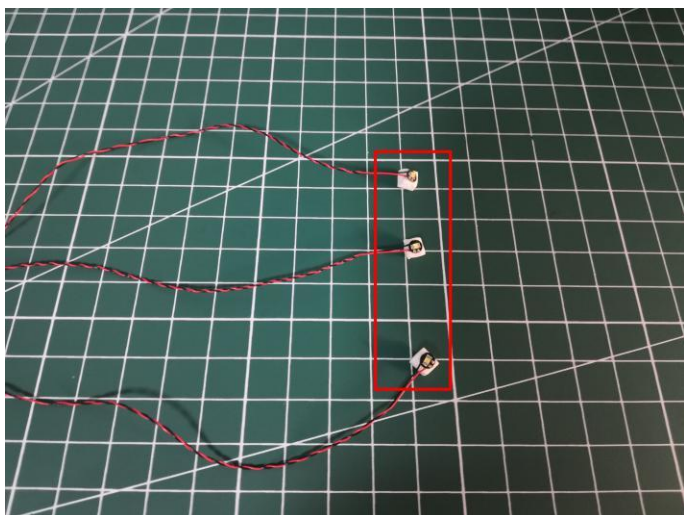
**41. Turn to the following side.**



**42. Take 3 orange 15cm dot lights, 3 trans orange 1x1 round plates, 3 adhesive squares.**



**43. Stick the adhesive square to the back of the light.**



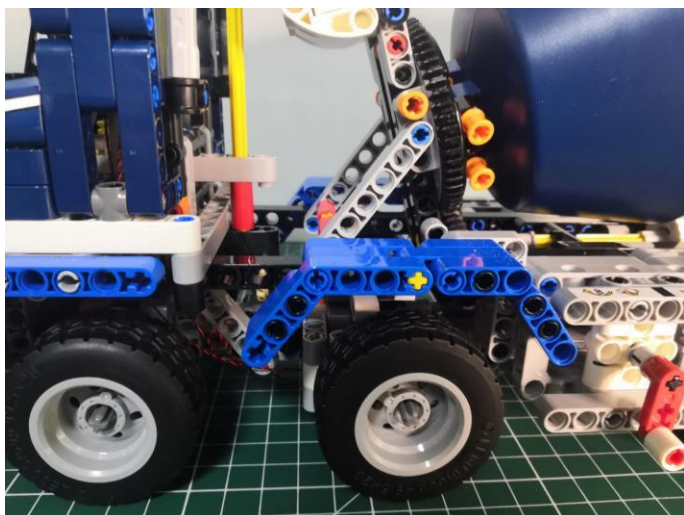
**44. Turn to the front.**



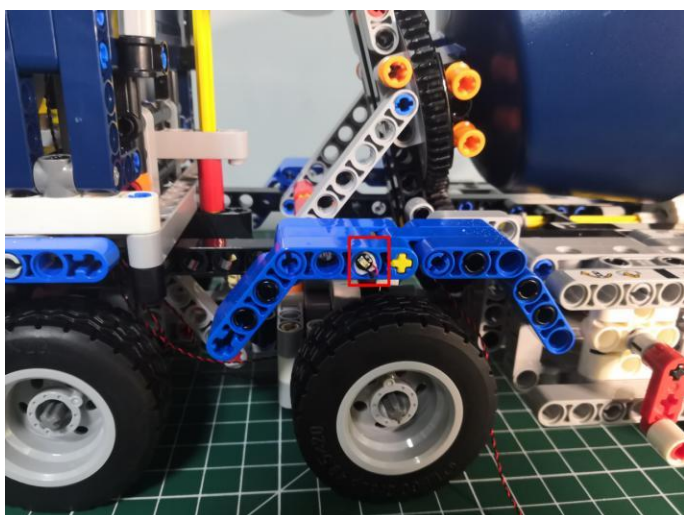
**45. Thread the light through the following hole, pull it out, and connect the trans orange 1x1 round plate over as per below.**



**46. Turn to the middle.**



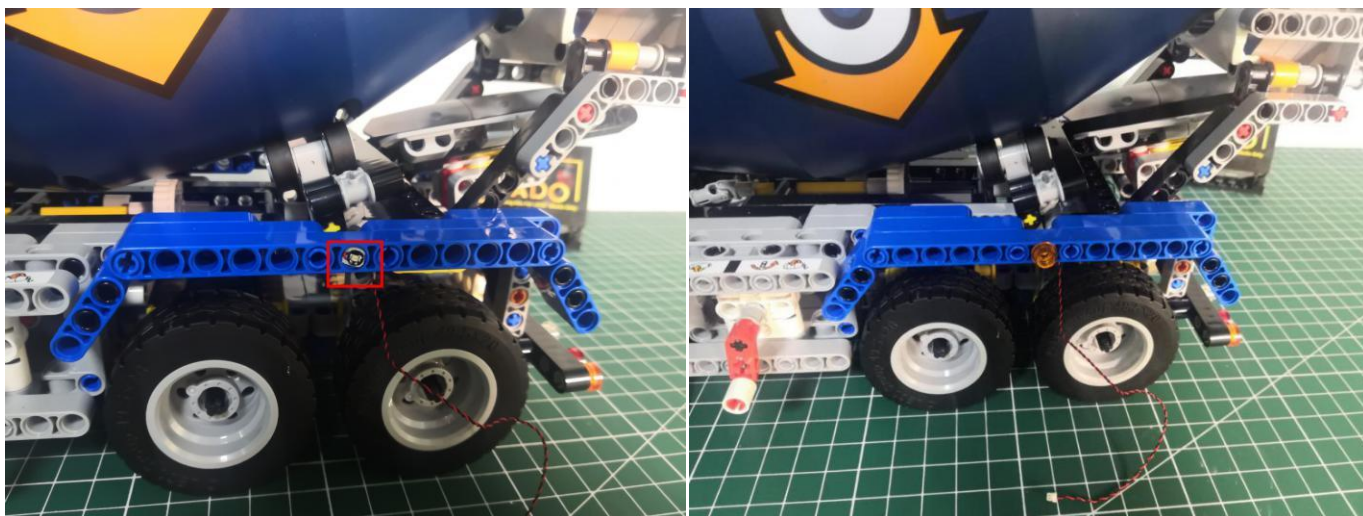
**47. Thread the light through the following hole, pull it out, and connect the trans orange 1x1 round plate over as per below.**



**48. Turn to the back.**



**49. Thread the light through the following hole, pull it out, and connect the trans orange 1x1 round plate over as per below.**



**50. Thread the cable through the hole, and pull it out as per below.**

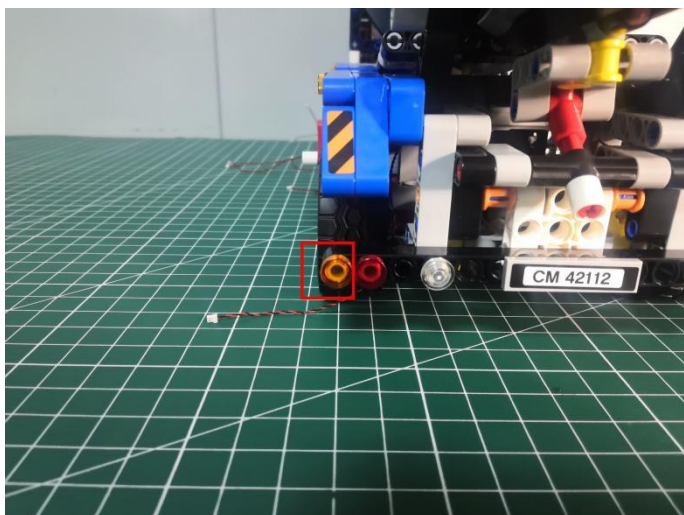


**51. Turn to the following side.**

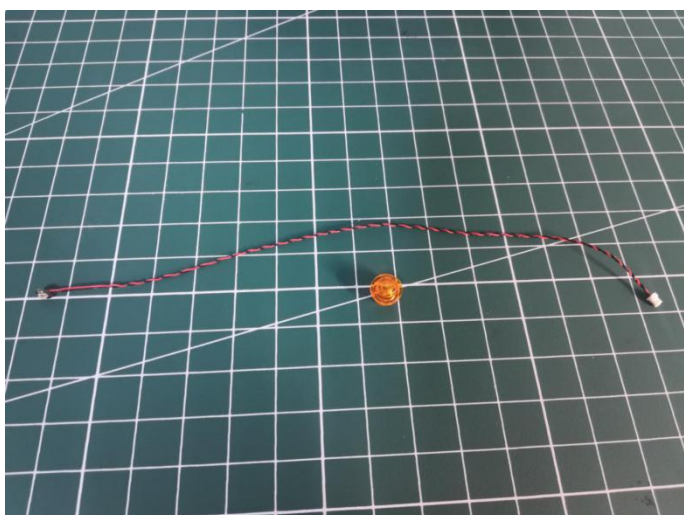




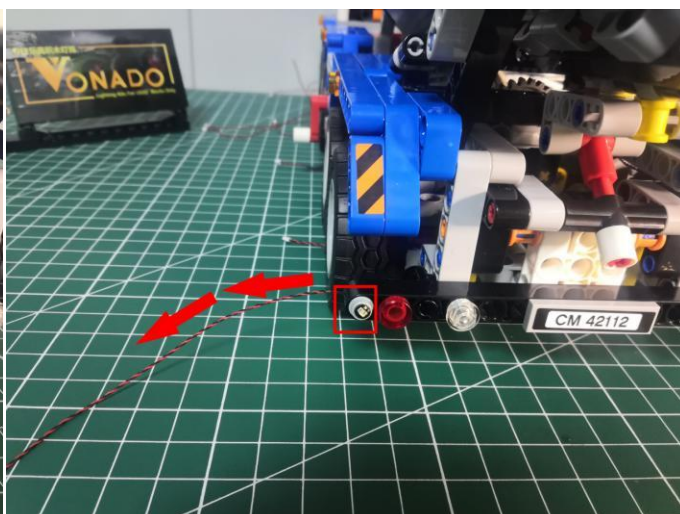
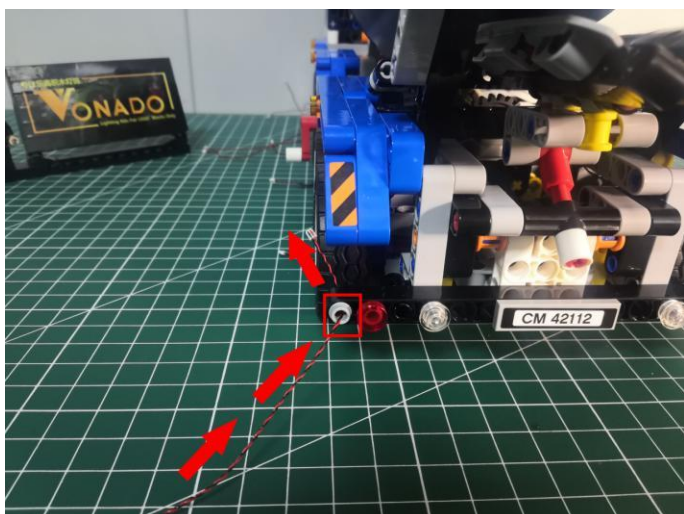
**52.Remove the following orange taillight from left side.**



**53.Take a flashing orange 15cm dot light, a trans orange 1x1 round plate.**



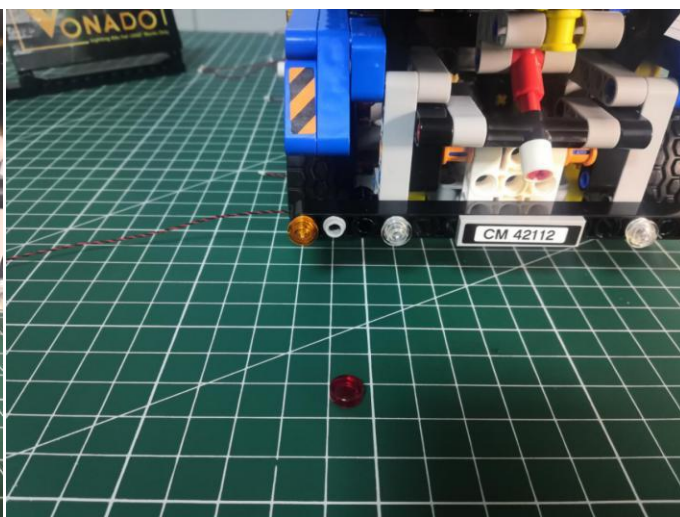
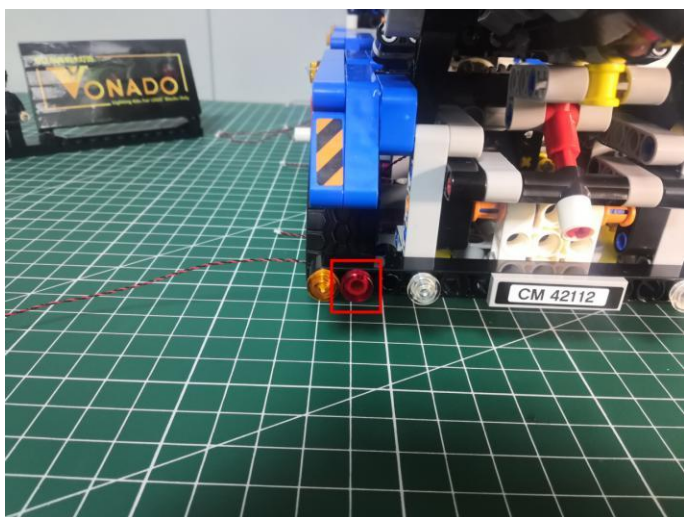
**54.Thread the cable through the hole, and pull it out as per below.**



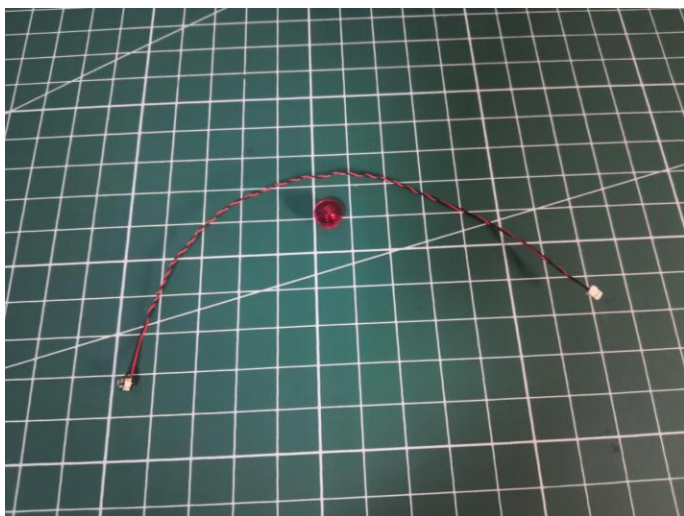
**55. Connect the trans orange 1x1 round plate over as per below.**



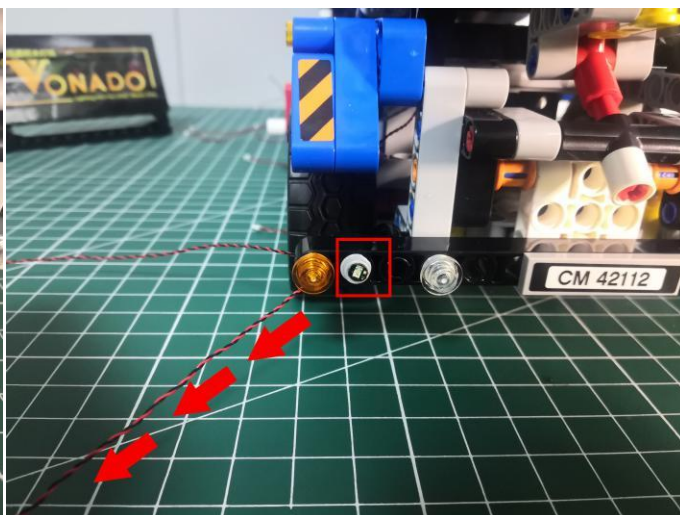
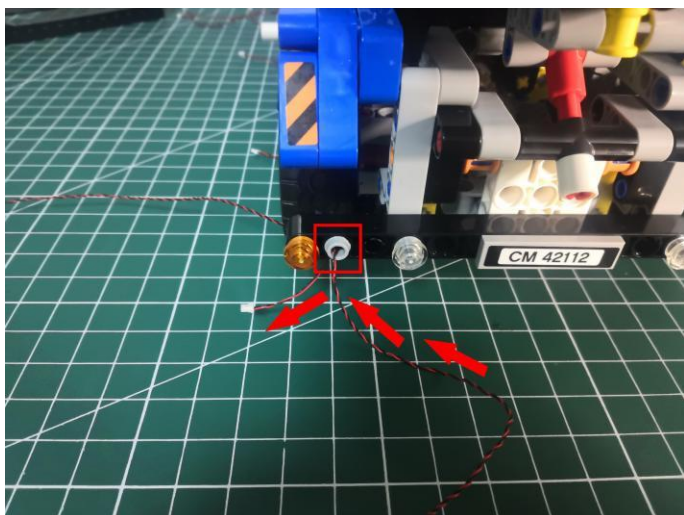
**56. Remove the following red taillight from left side.**



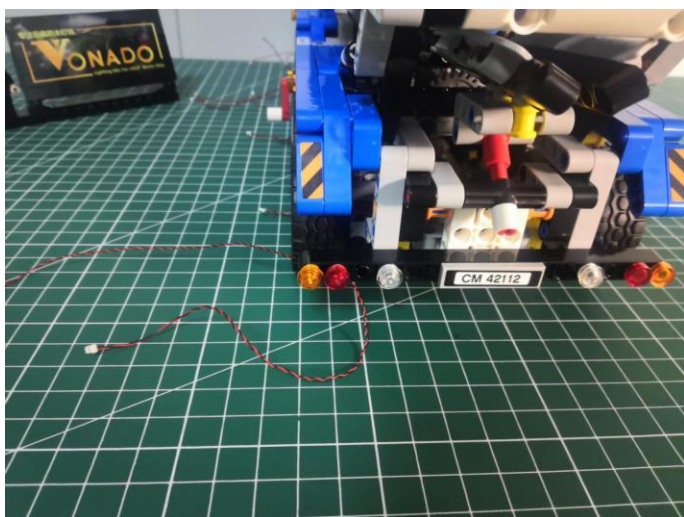
**57. Take a flashing red 15cm dot light, a trans red 1x1 round plate.**



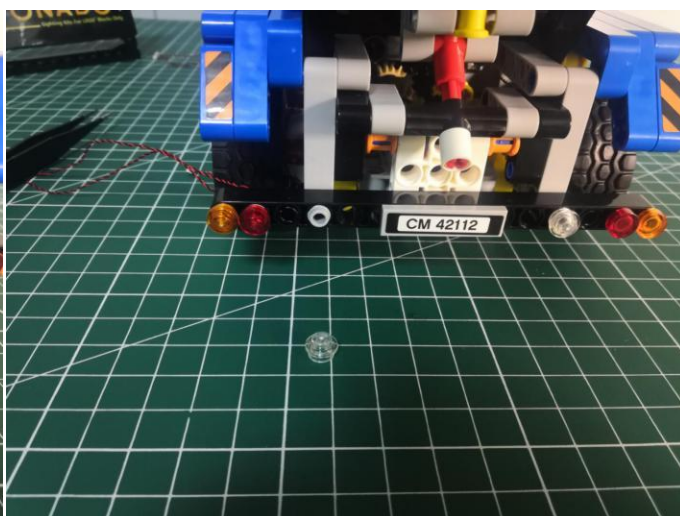
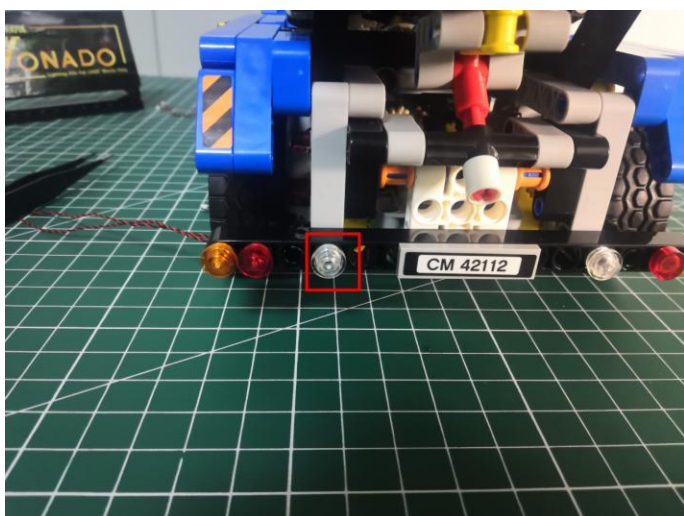
**58. Thread the cable through the hole, and pull it out as per below.**



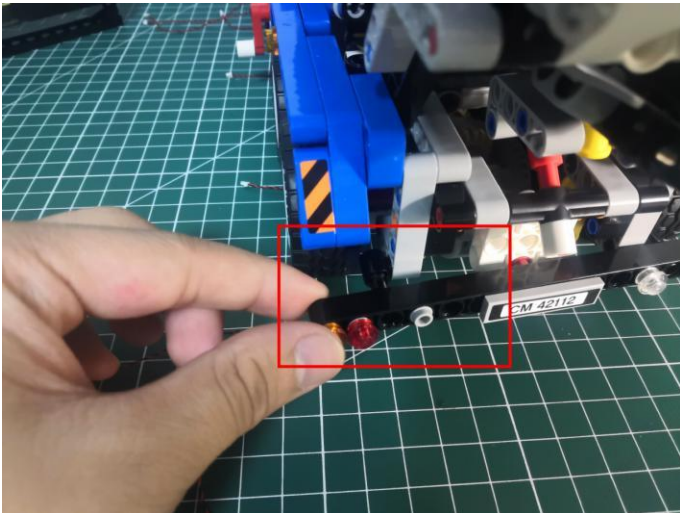
**59. Connect the trans red 1x1 round plate over as per below.**



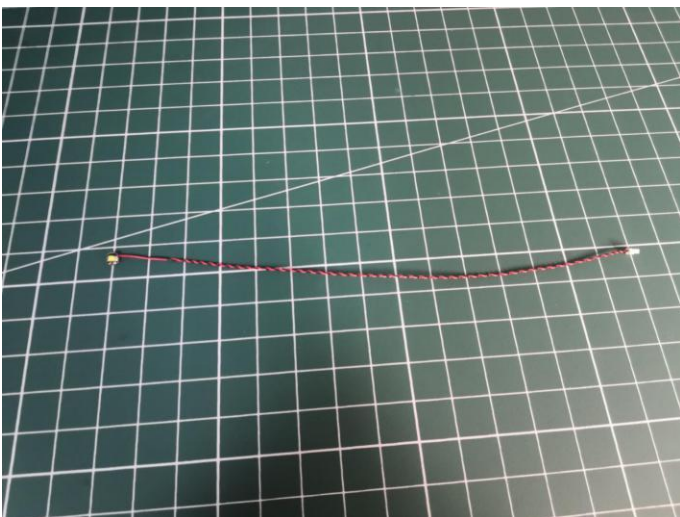
**60. Remove the following white taillight from left side.**



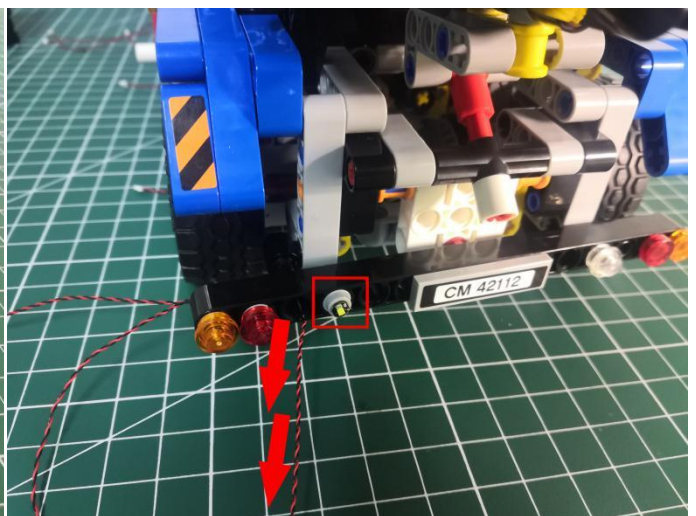
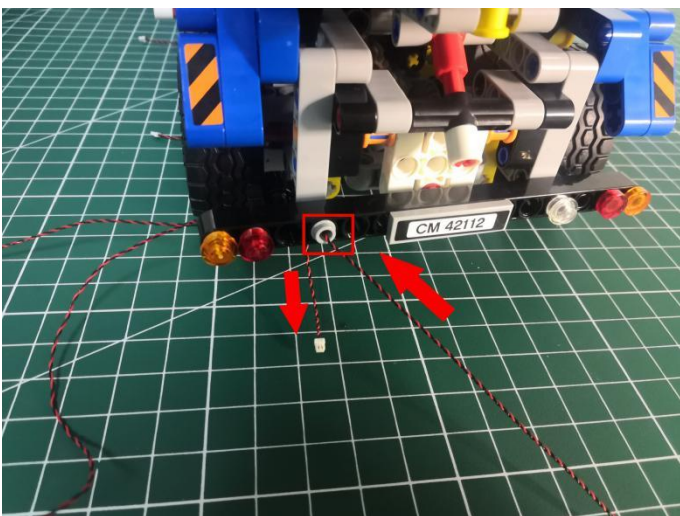
**61. Create a gap at the following place.**



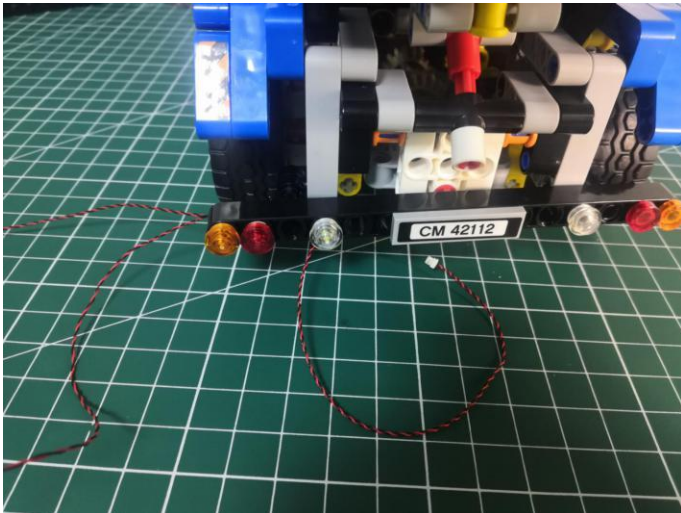
**62. Take a white 15cm dot light.**



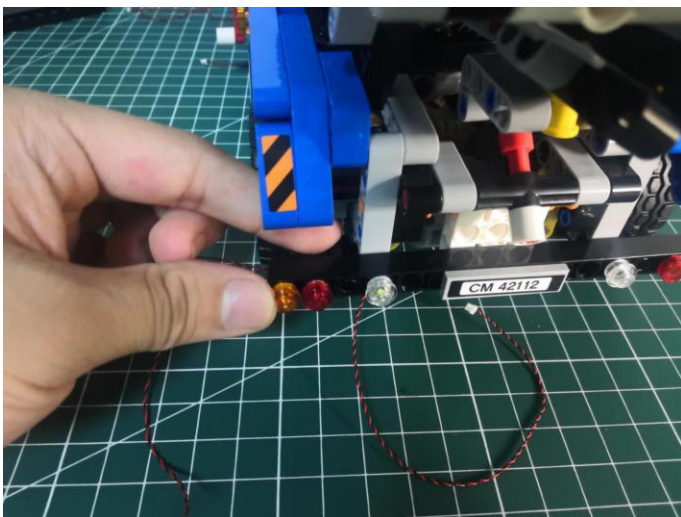
**63. Thread the cable through the hole, and pull it out as per below.**



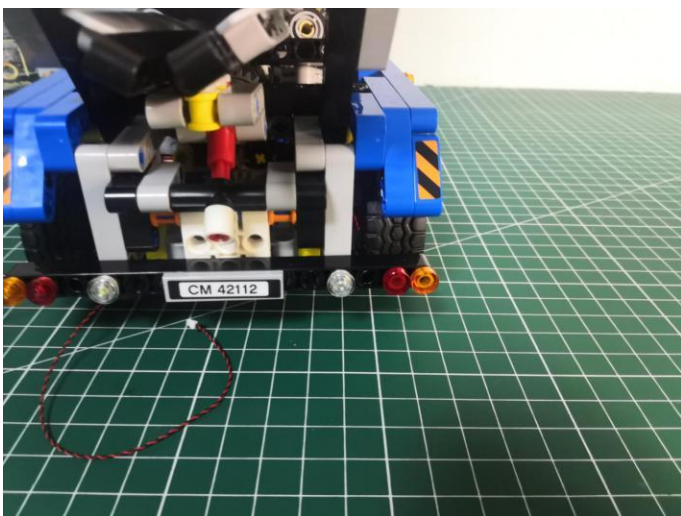
**64.Reconnect the white taillight.**



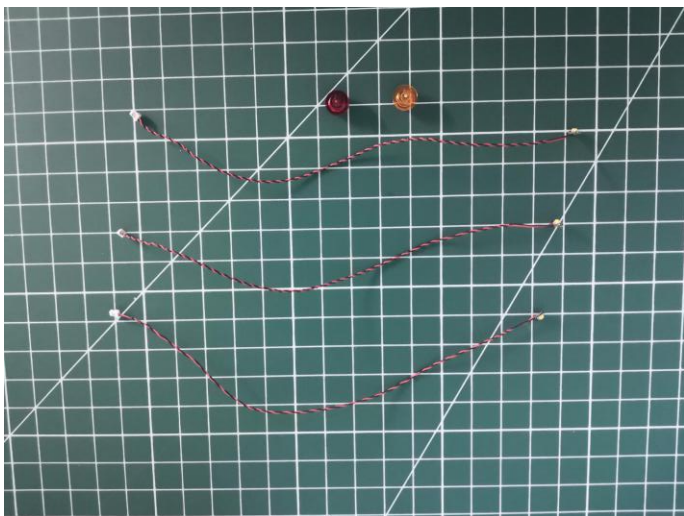
**65.Close the gap.**



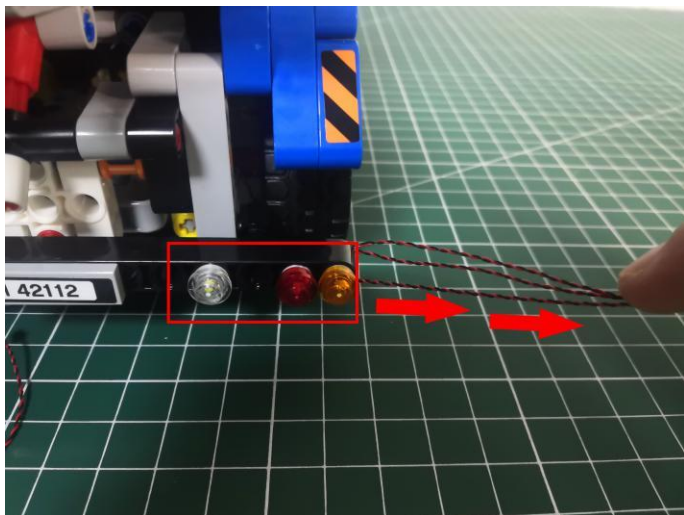
**66.Turn to the right behind.**



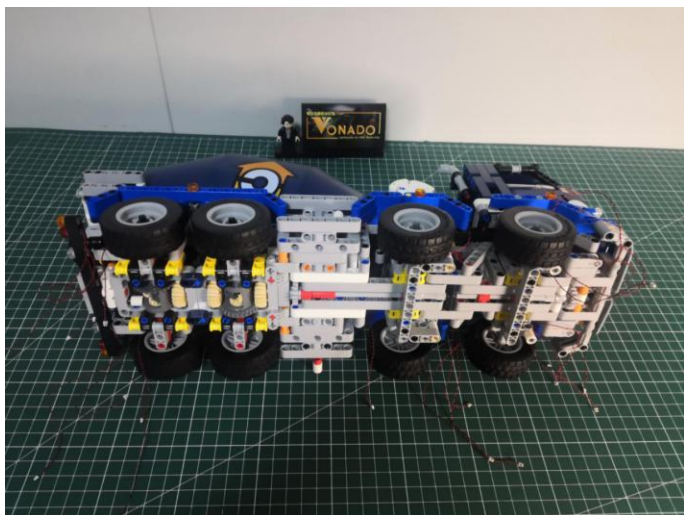
67. Take a flashing orange 15cm dot light, a red 15cm dot light, a white 15cm dot light, a trans orange 1x1 round plate, a trans red 1x1 round plate.



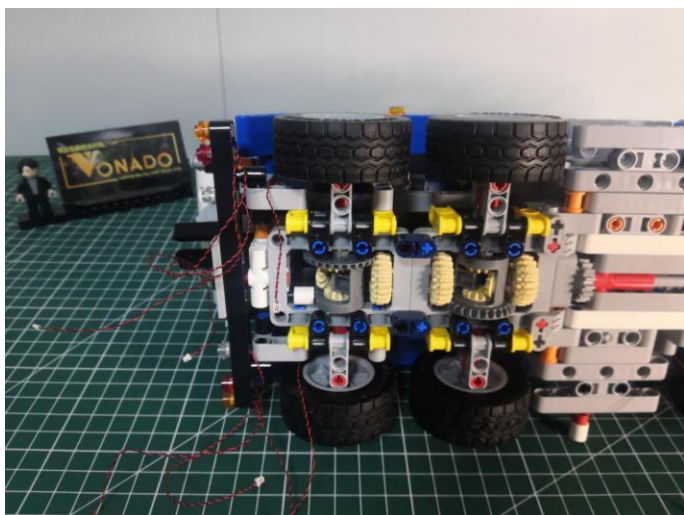
68. Install the taillight at the right side in the same way.



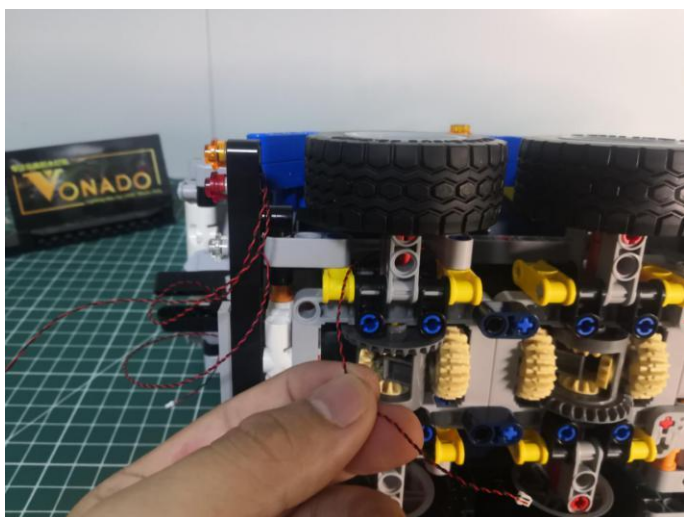
69. Turn the truck over.



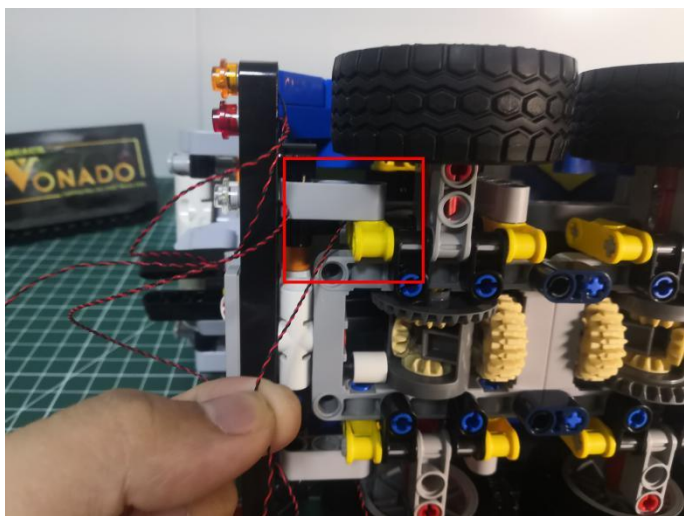
**70. Turn to the back.**



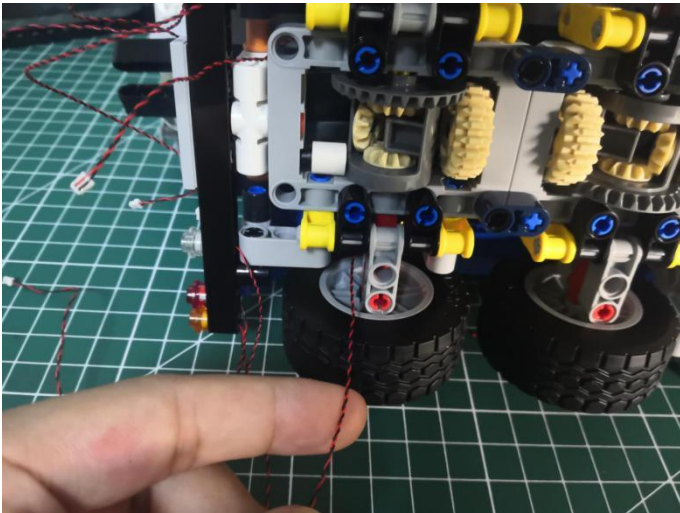
**71. Take the following cable.**



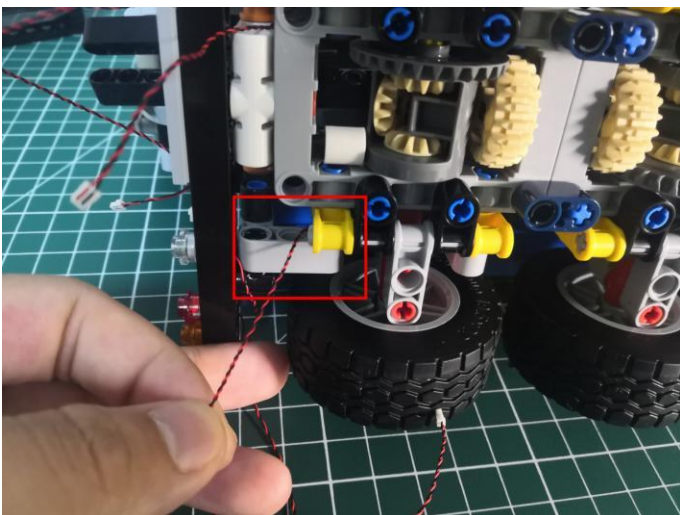
**72. Thread the cable through the following space.**



**73. Take the following cable.**



**74. Thread the cable through the following space.**

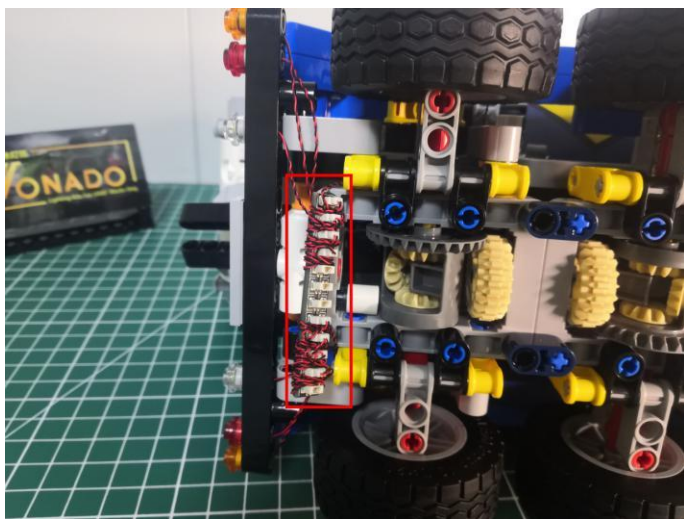


**75. Take a 12-port expansion board.**





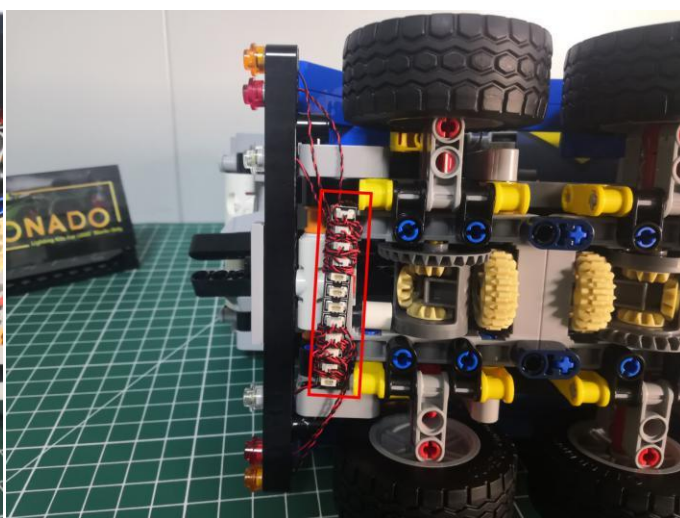
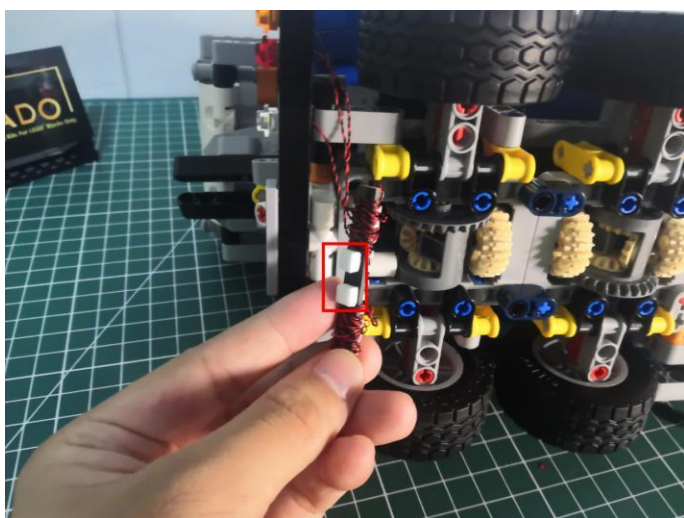
**76. Connect all the cables to the expansion board, tuck excess cable around the expansion board.**



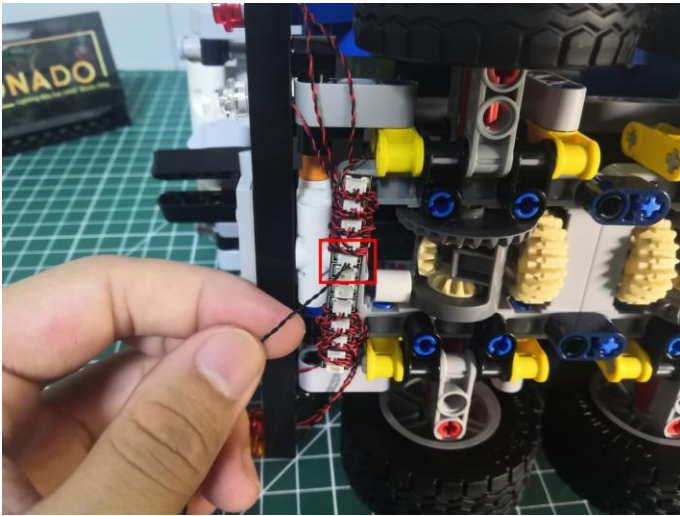
**77. Take a 30cm connecting cable, 2 adhesive squares.**



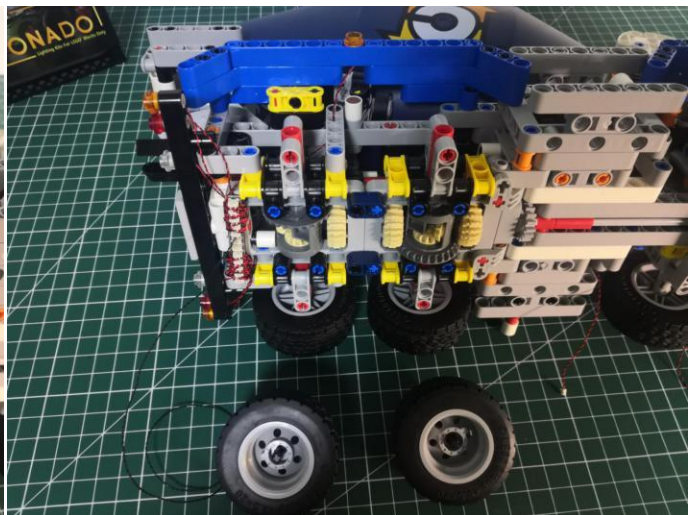
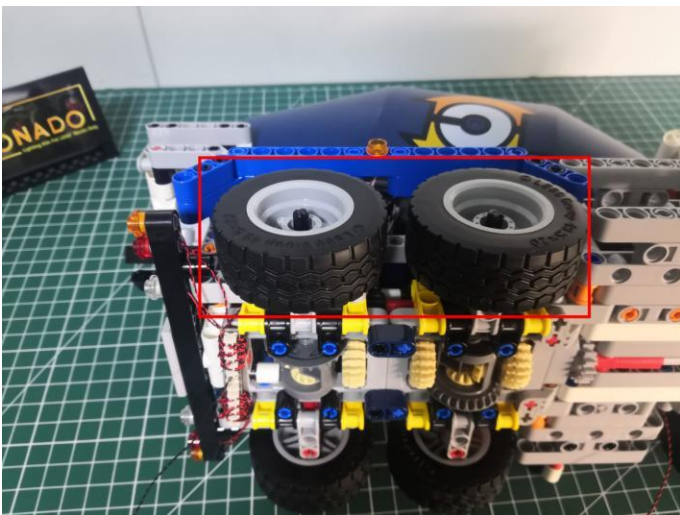
**78. Stick the adhesive squares to the back of the expansion board, and stick the expansion board to the following place.**



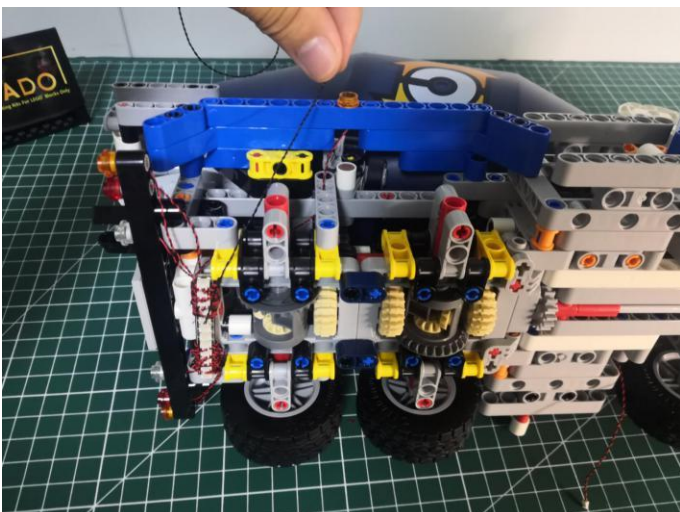
**79. Connect the connecting cable to the expansion board as per below.**



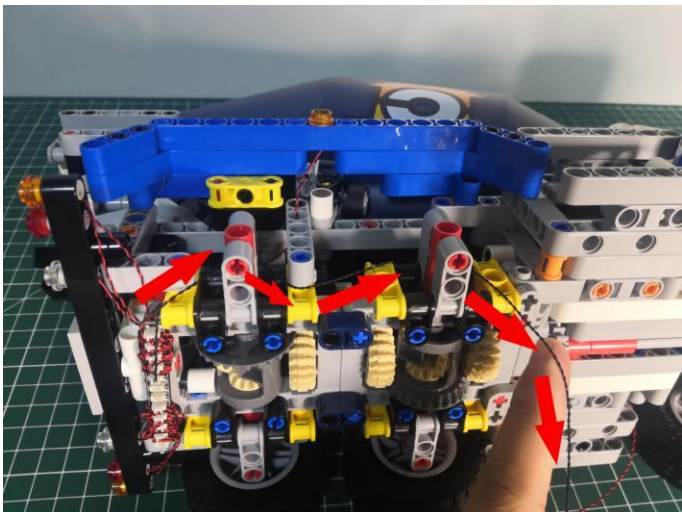
**80. Remove the following 2 wheels.**



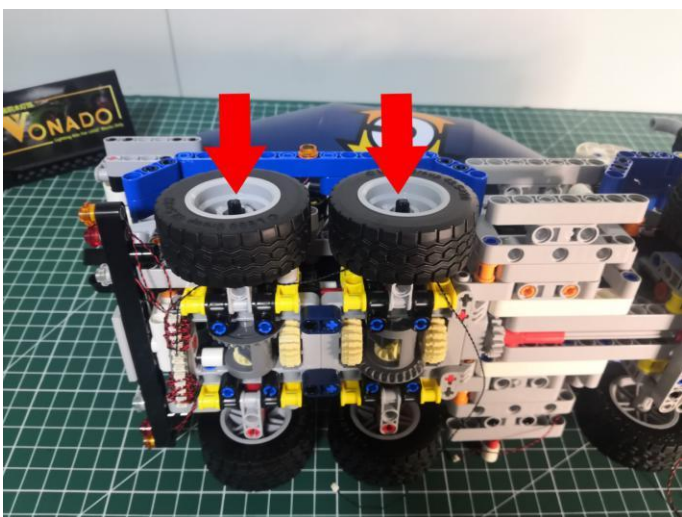
**81. Take the following connecting cable**



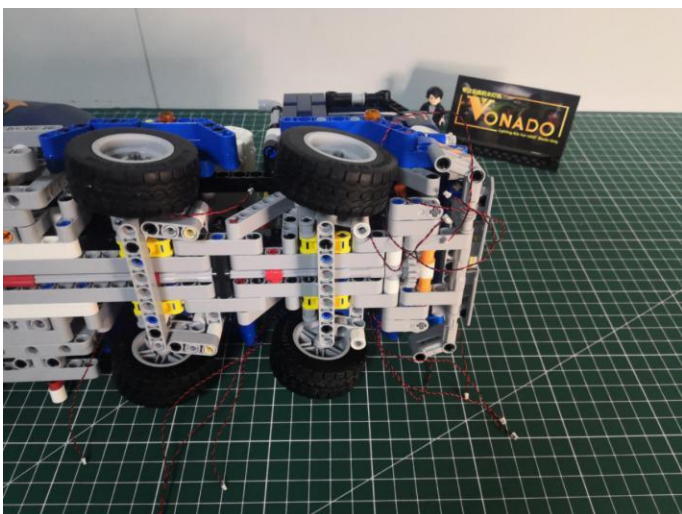
**82. Place the cable as per below.**



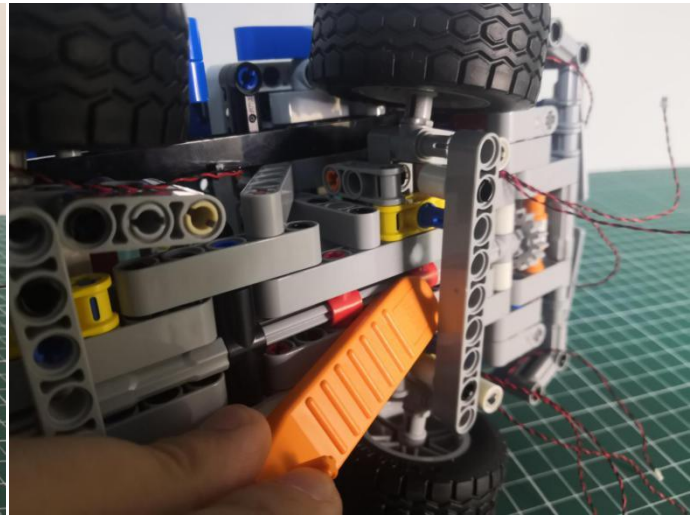
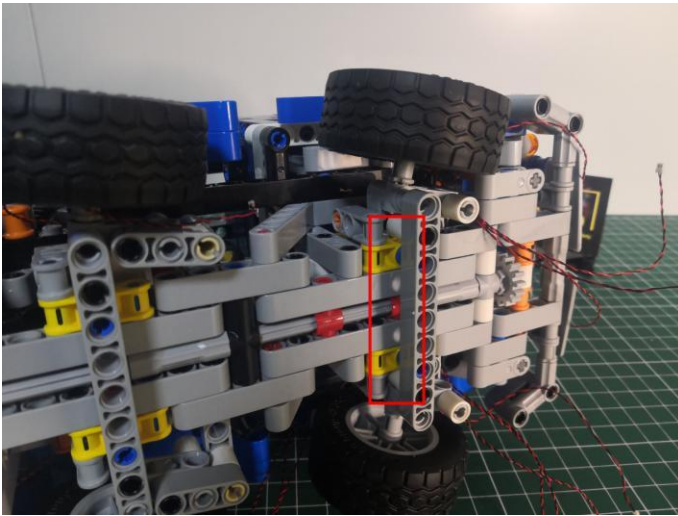
**83. Reconnect the wheels as per below.**



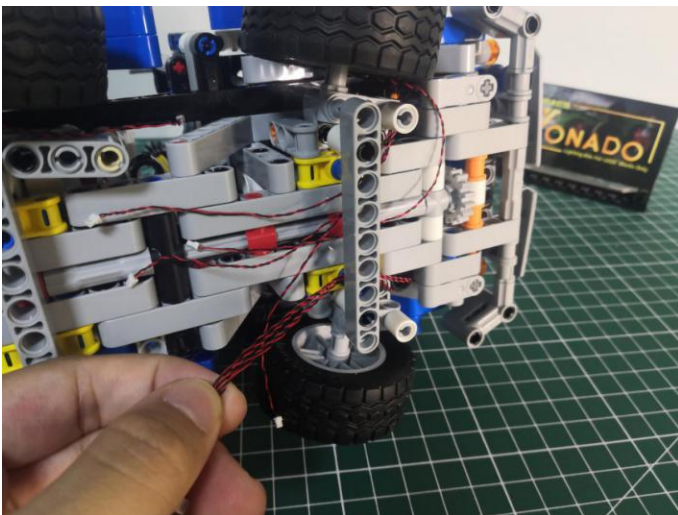
**84. Turn to the head.**



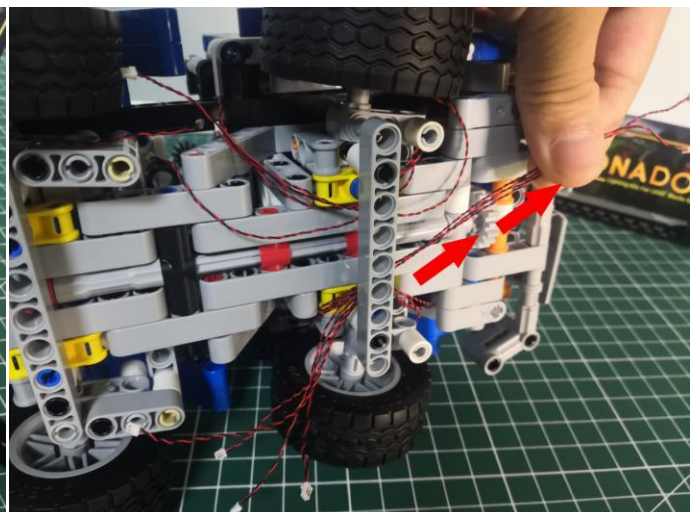
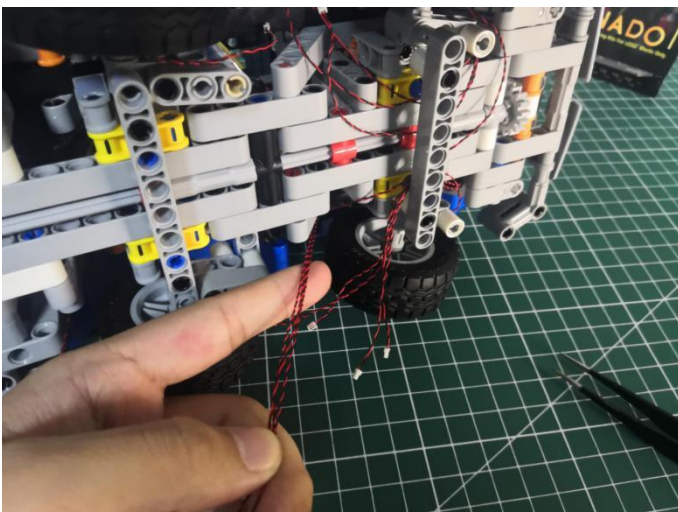
**85. Turn to the following place, create a gap at the following place with the tool.**



**86. Thread the cables from both sides through the following space.**



**87. Take the following cables, thread them through the space.**



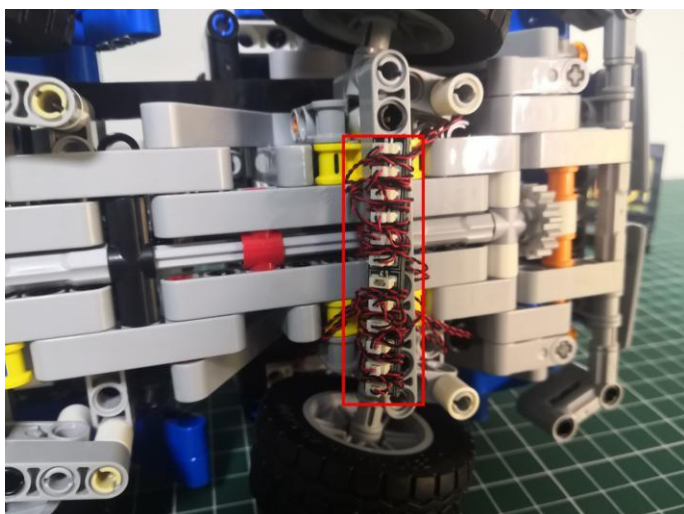
**88. Close the gap.**



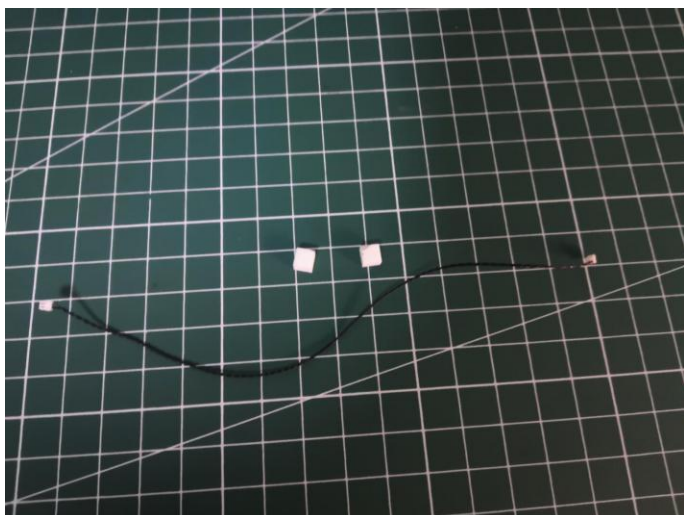
**89. Take a 12-port expansion board.**



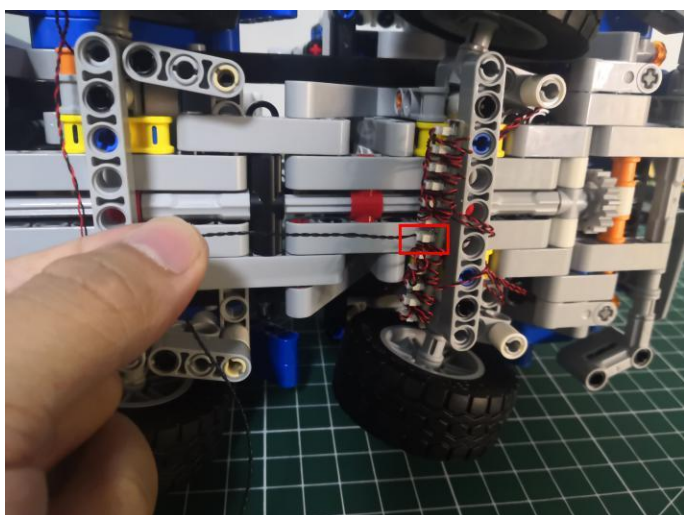
**90. Connect all the cables to the expansion board, tuck excess cable around the expansion board.**



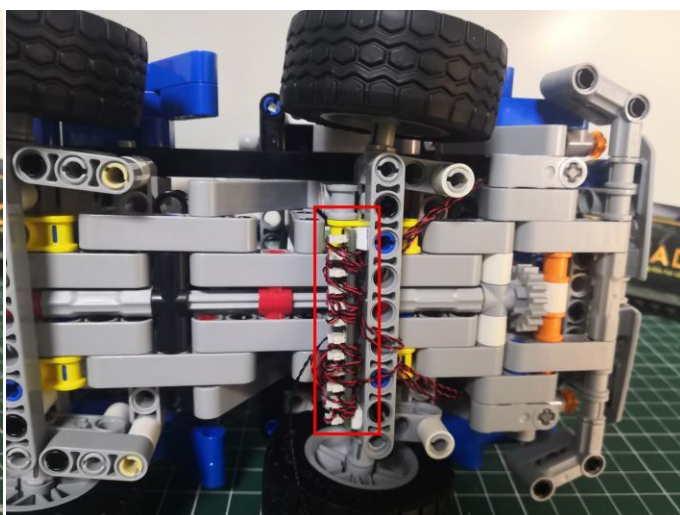
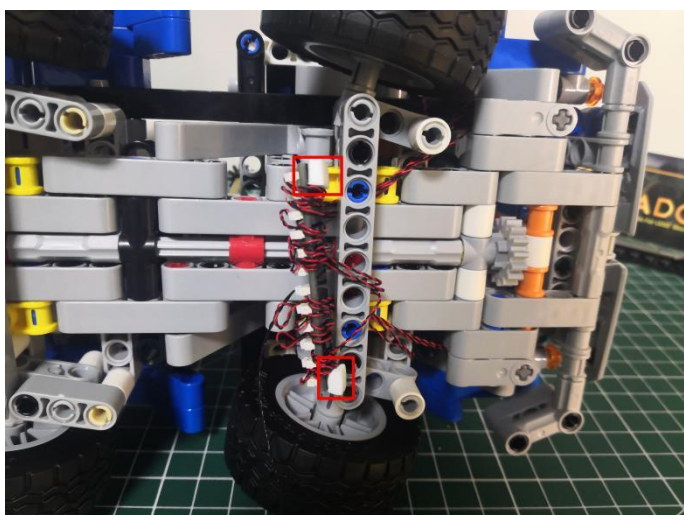
**91. Take a 15cm connecting cable, 2 adhesive squares.**



**92. Connect the connecting cable to the expansion board as per below.**



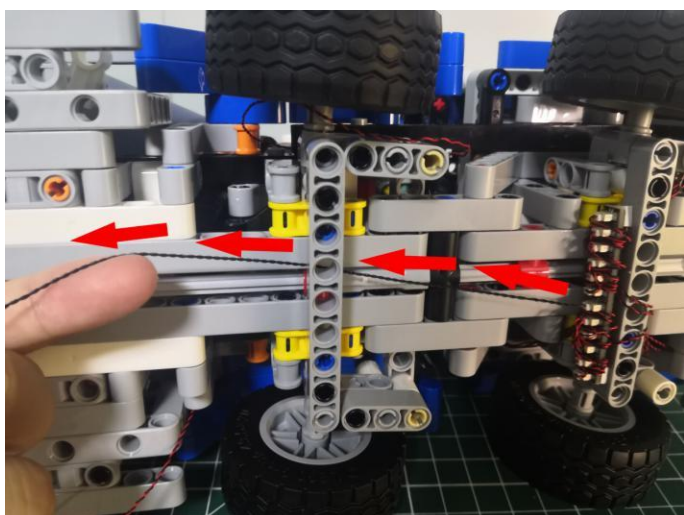
**93. Stick the adhesive squares to the back of the expansion board, and stick the expansion board to the following place.**



**94. Turn to the following place, create a gap at the following place with the tool.**



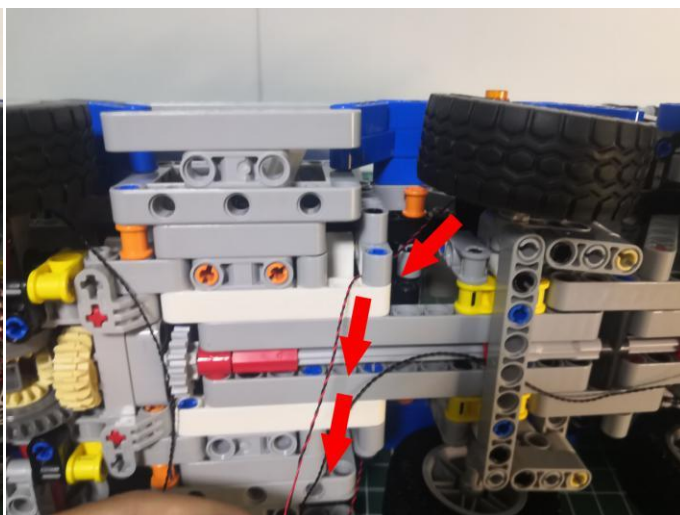
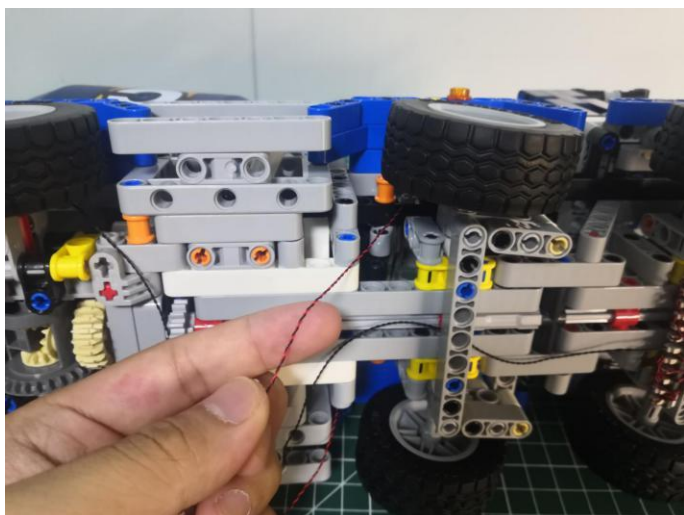
**95. Thread the cable through the following space.**



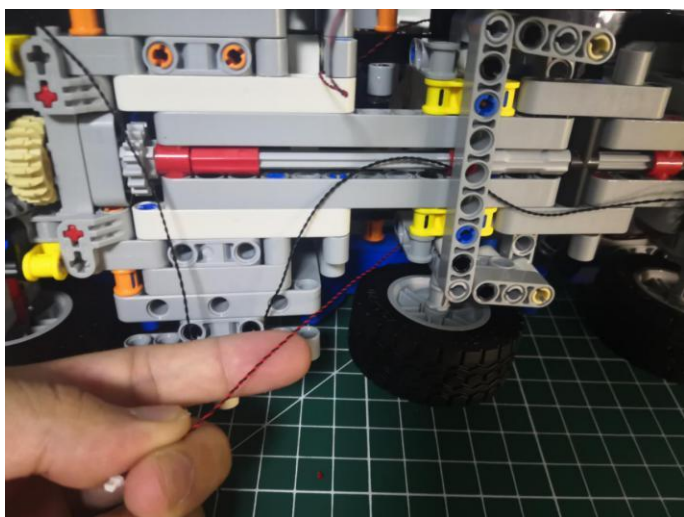
**96. Close the gap.**



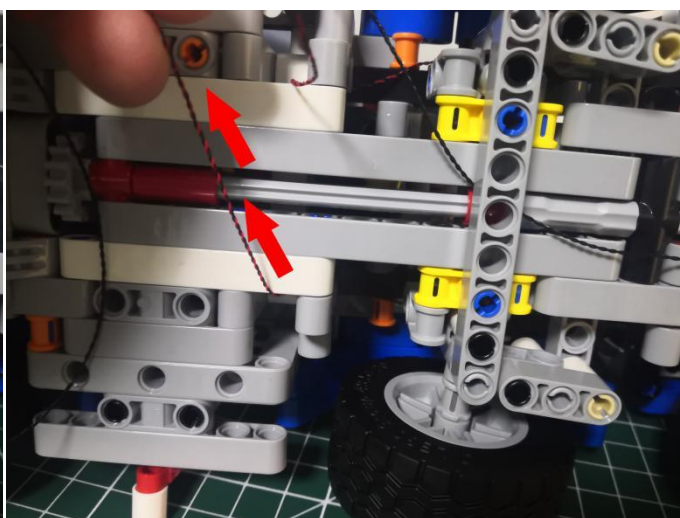
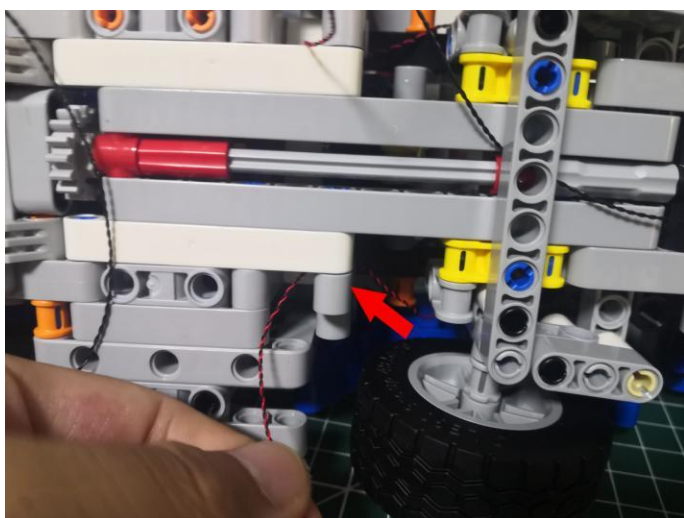
**97. Take the following cable, and place it as per below.**



**98. Take the following cable.**

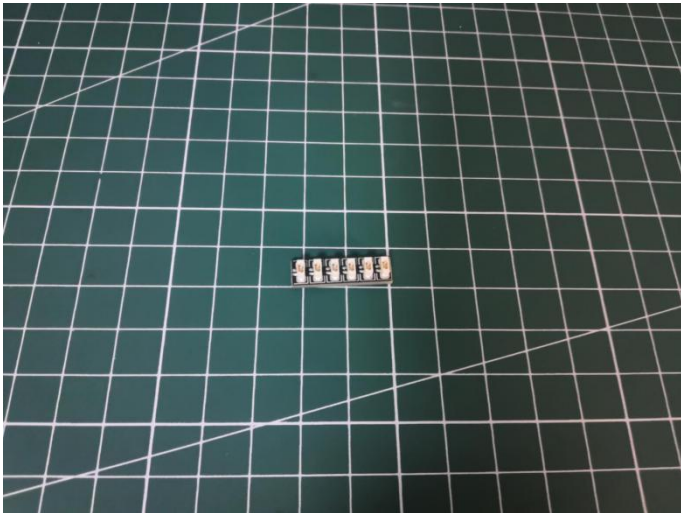


**99. Thread the cable through the following space, and pull it out.**

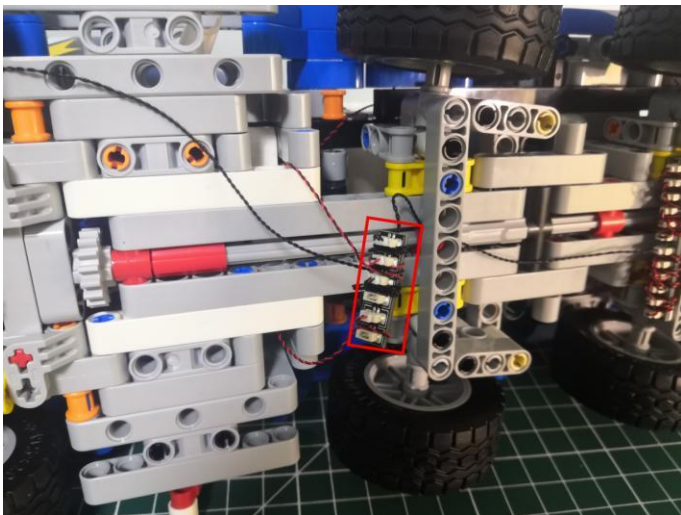




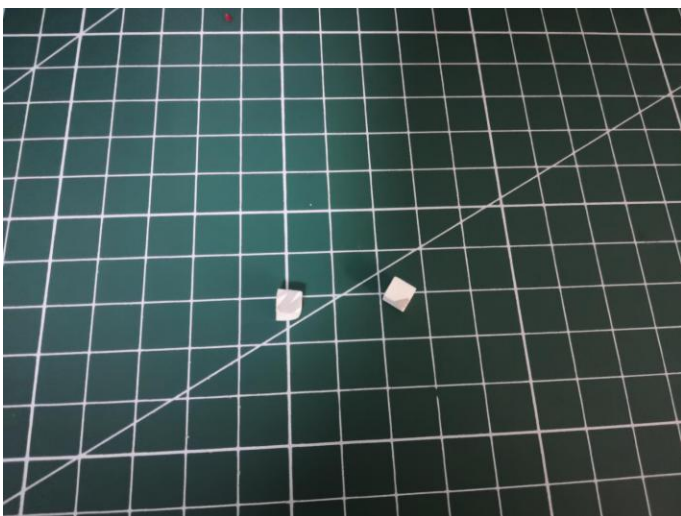
**100. Take a 6-port expansion board.**



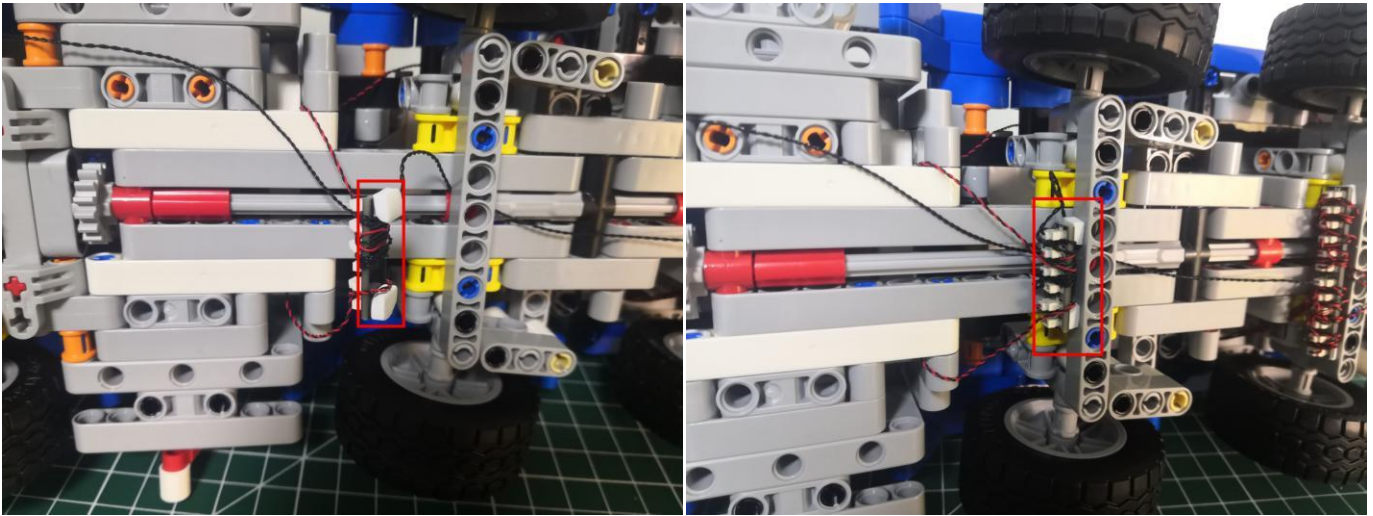
**101. Connect the all the cables to the expansion board as per below.**



**102. Take 2 adhesive squares.**



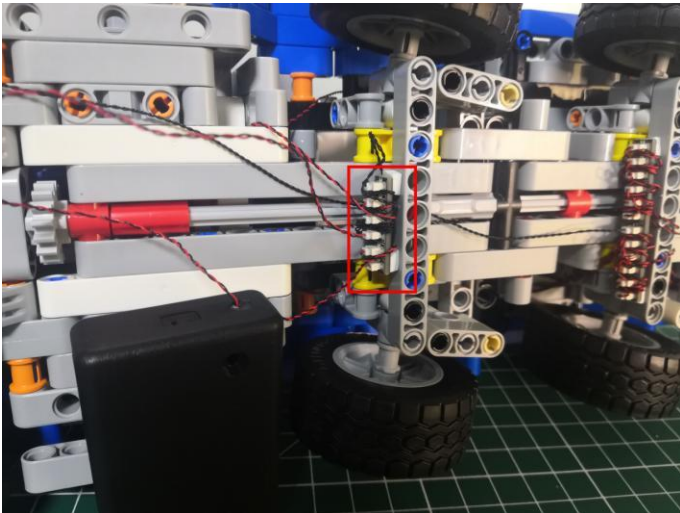
**103. Stick the adhesive squares to the back of the expansion board, and stick the expansion board to the following place.**



**104. The AAA Battery Box does not contain batteries, please buy three AAA batteries in the nearest store and install it in the AAA Battery Box.**



**105. Connect the cable from the battery pack to the expansion board.**



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

