# 42095 Remote-Controlled Stunt Racer P20202

- **P20202 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 "42095 P20202".**

- **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.**
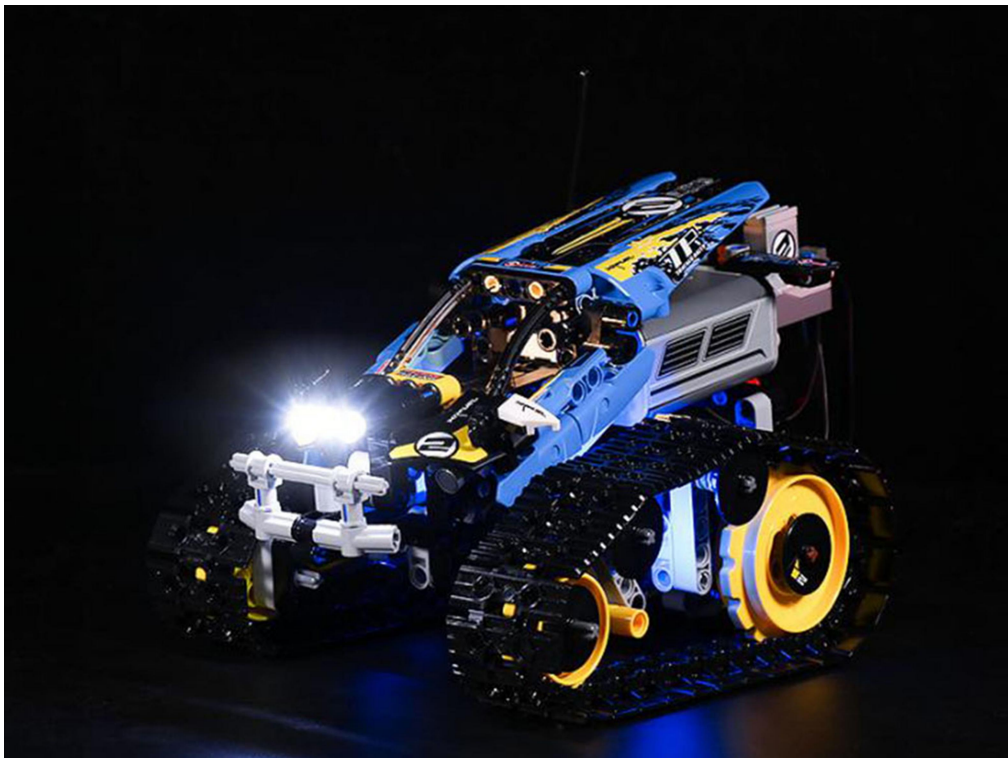
Strategies for the Installation

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 9 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	1
Bit Lights-15CM-White	Bit Lights-15CM-White	3
Bit Lights-15CM-Red	Bit Lights-15CM-Red	2
Bit Lights-15CM-Blue	Bit Lights-15CM-Blue	2
Expansion Board	4 Socket Expansion Board	3
Flat Battery Pack	Flat Battery Pack	1
Connecting Cables-5CM	Connecting Cables-5CM	3
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.

❶ Golden Wires

❷ Golden Needle

❸

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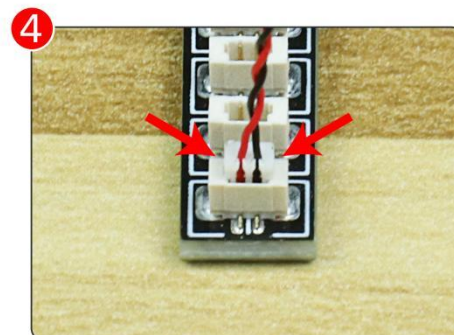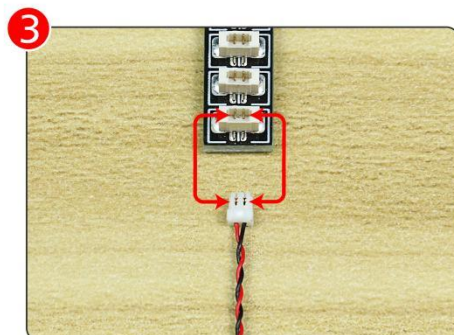
All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the USB Power Cord and Expansion Boards is as follows:
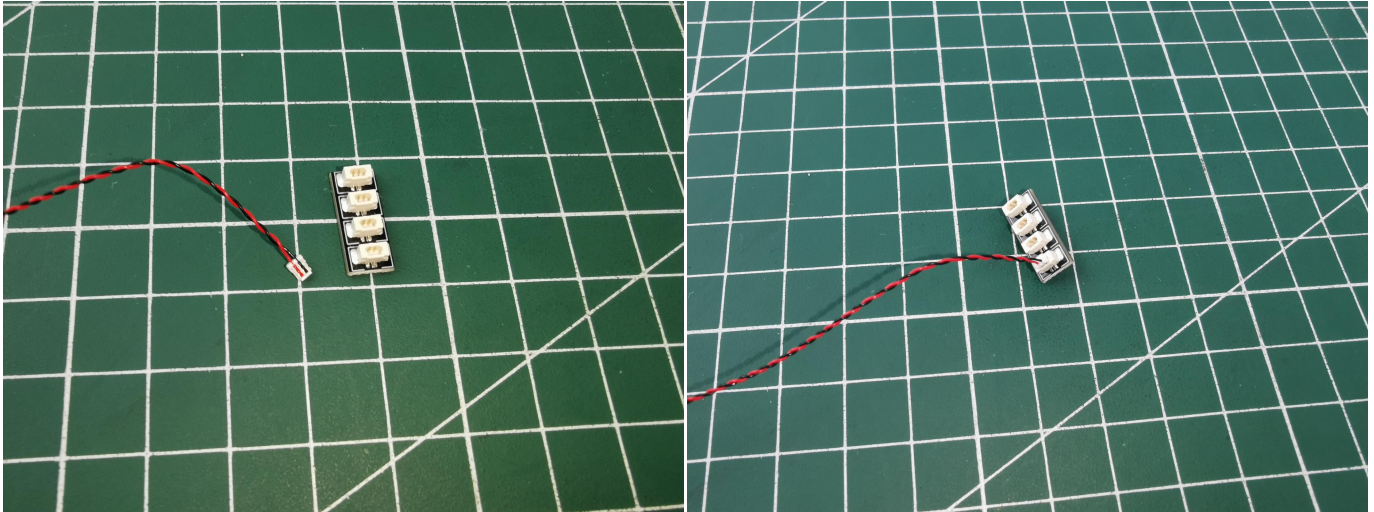
The USB Power Cord can be powered by phone chargers, power banks,etc.

USB connectors to connect devices

Power Bank

Phone Charger

USB Socket

USB Power Cable

With USB to interface
AA battery box

With USB to interface
AAA battery box
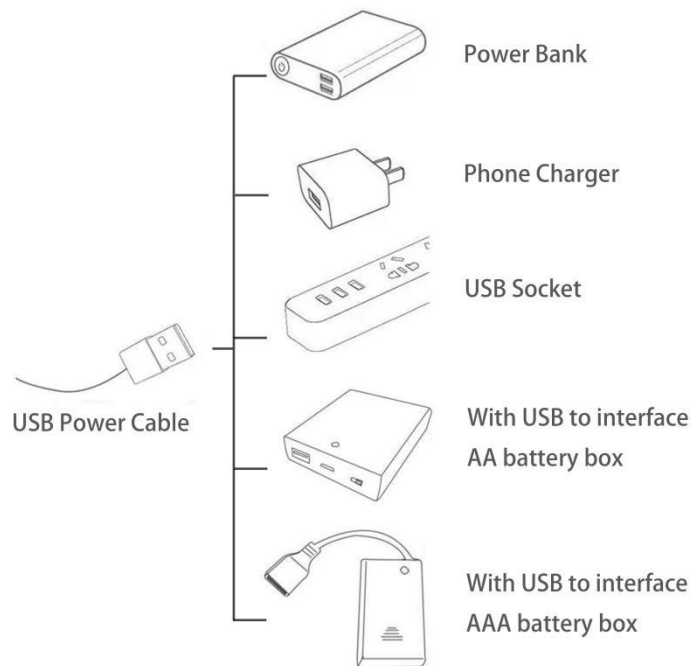
This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.

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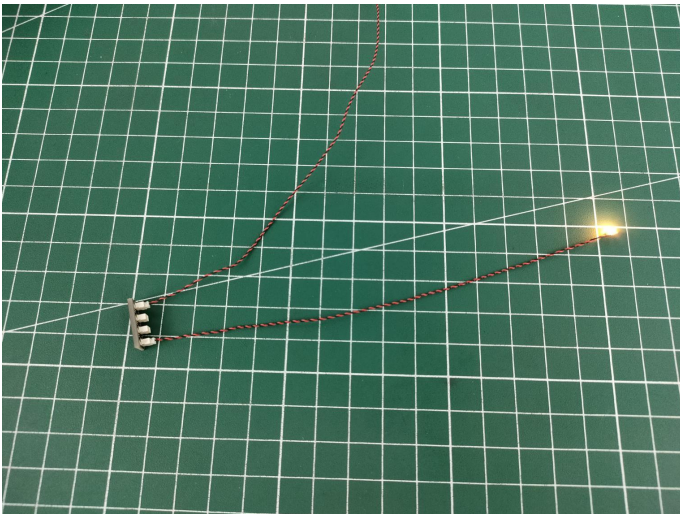
Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.

The components needs to be tested in this set is 3*Bit Lights-15CM-White,2*Bit Lights-15CM-Red,2*Bit Lights-15CM-Blue.
Please contact us immediately if any components don't work.

laying out components following the instruction.

1

2.Turn to the front.
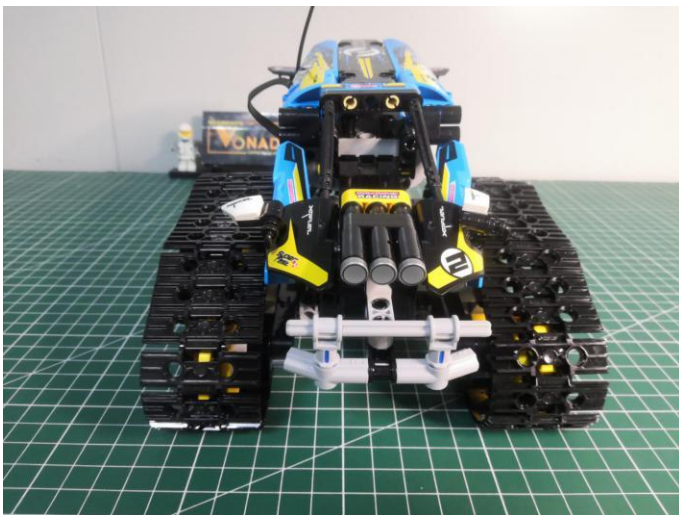
3.Remove the following 3 pieces.
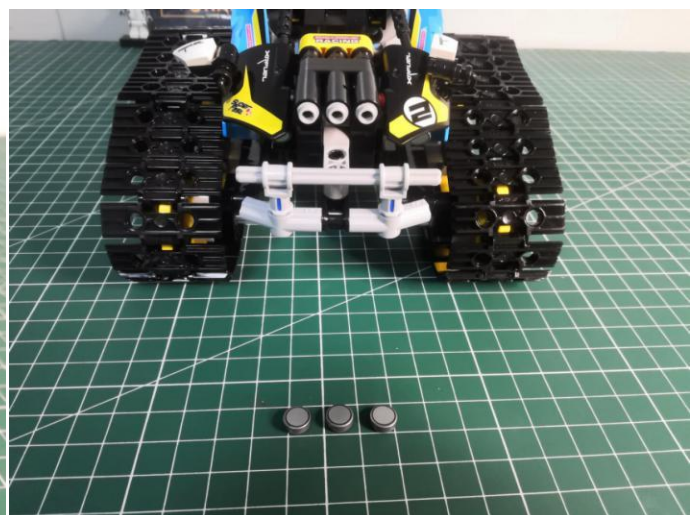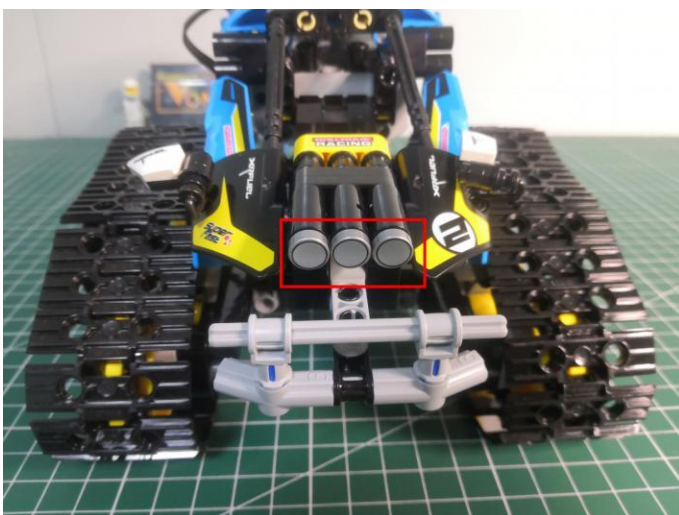
4. Take 3 white 15cm dot lights, 3 trans white 1x1 round plates.
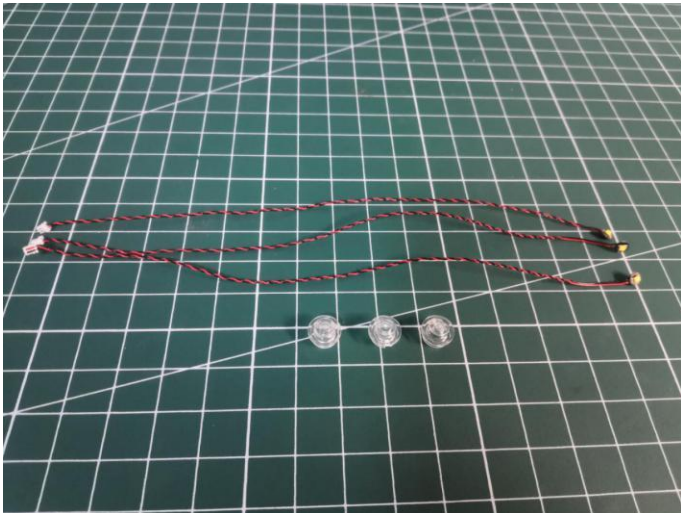
Tips

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.

5. With lighting part facing up, connect the trans white round plate over to secure the light.
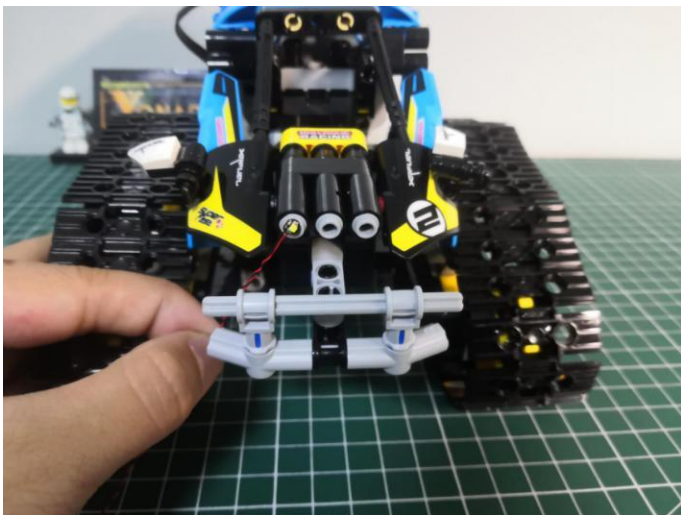
6.Install the other 2 lights in the same way.
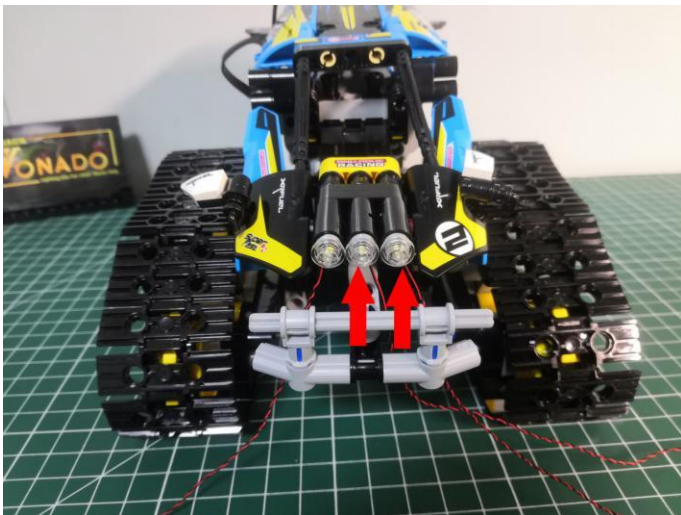
7.Turn to the side.

8.Take a warm white 15cm dot light, an adhesive square.
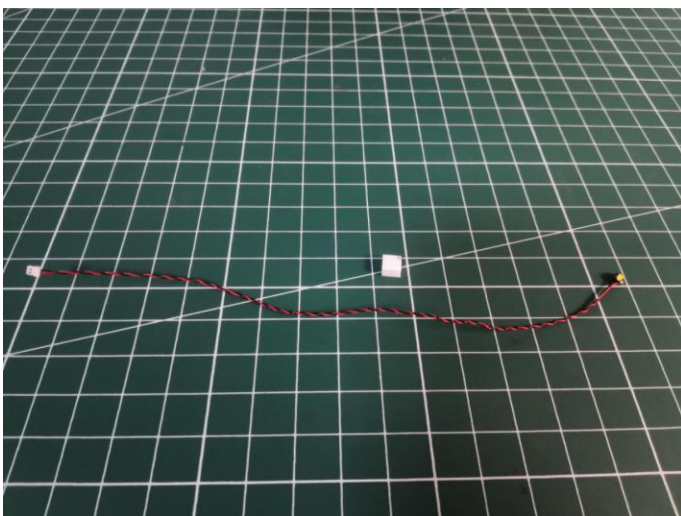
9.Stick the adhesive square to the back of the light, stick the light to the following place.
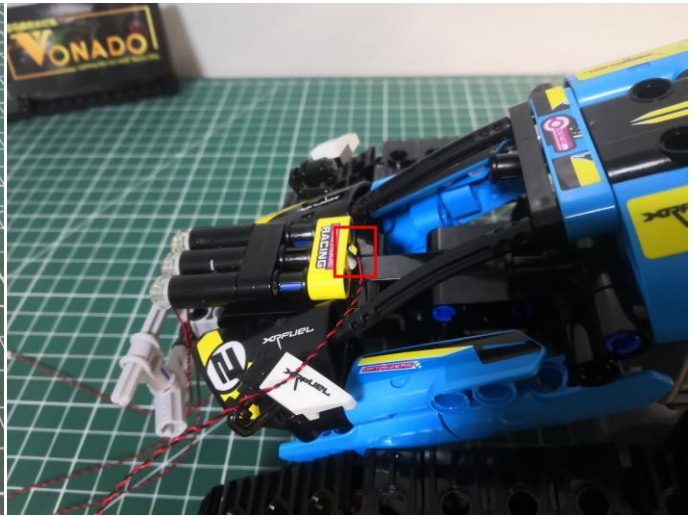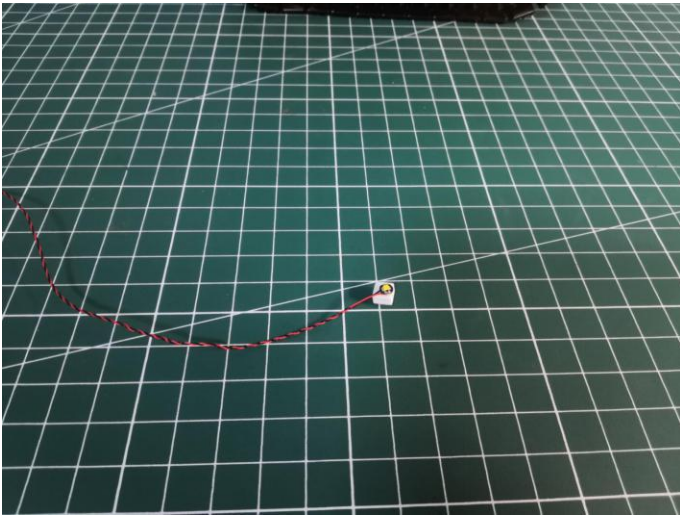

10.Take the following cables, tuck them underneath the truck.
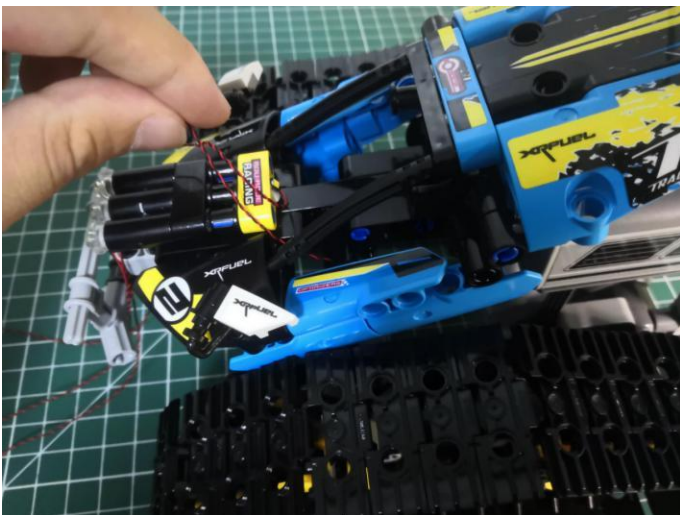
11.Turn to the tail.
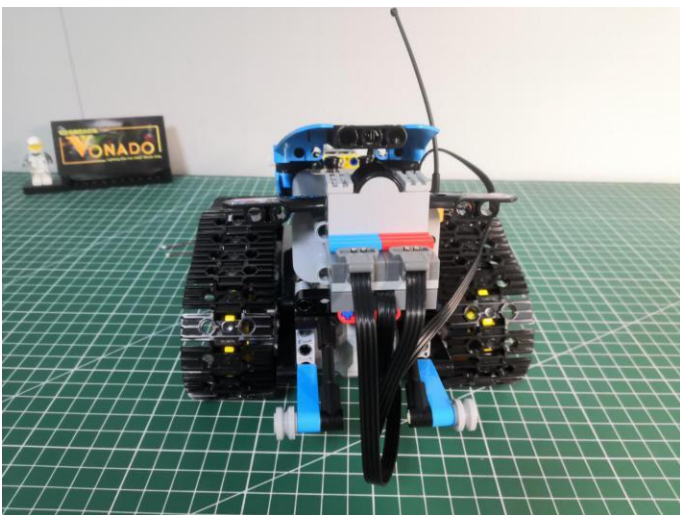
12. Take 2 red 15cm dot lights, 2 light gray half bolts
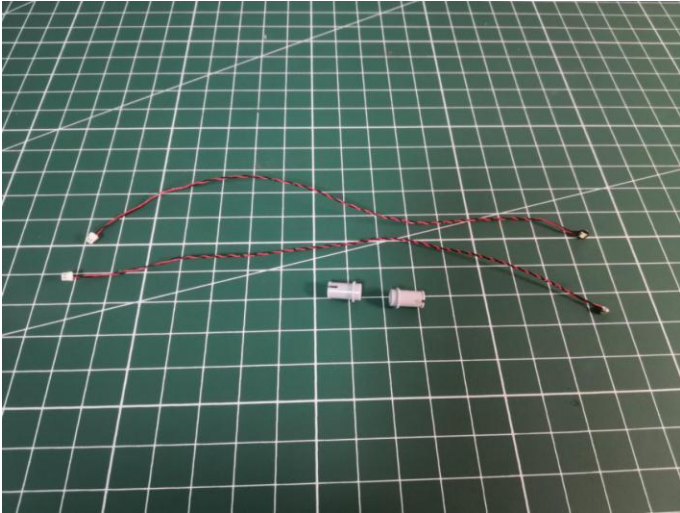
13. With lighting part facing up, thread the cable through the half bolt, and pull the cable out.
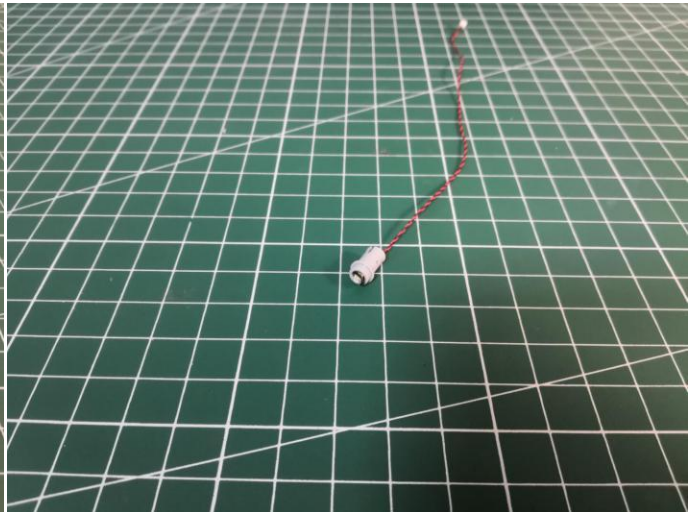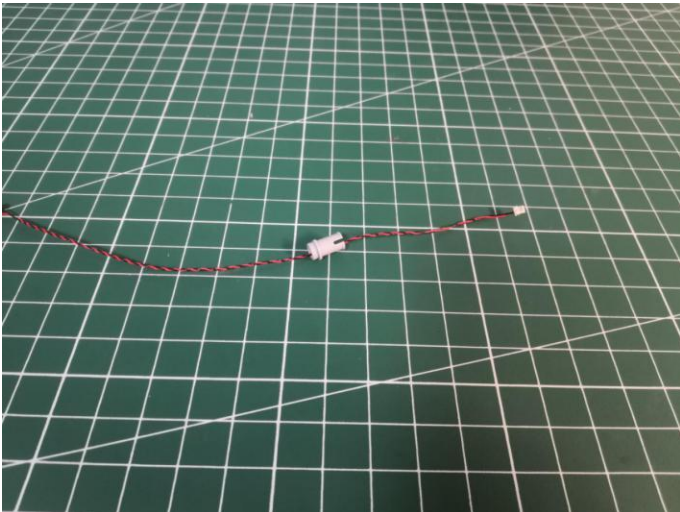
14. Install the other light in the same way.
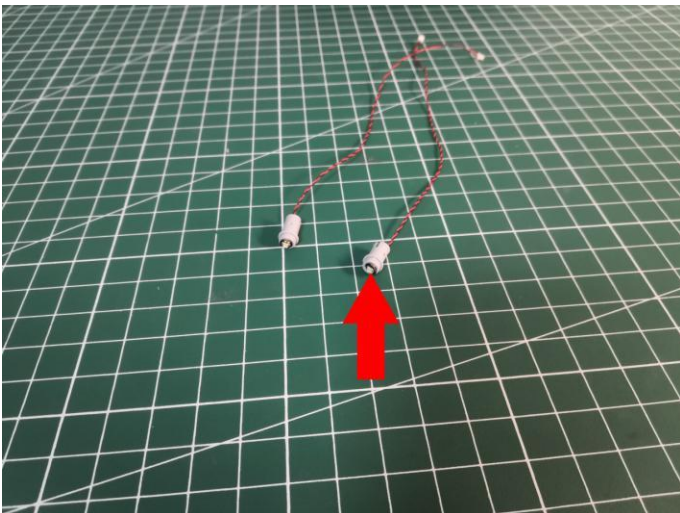
15. Turn to the left, thread the cable through the following hole, tighten the cable up to secure the light.
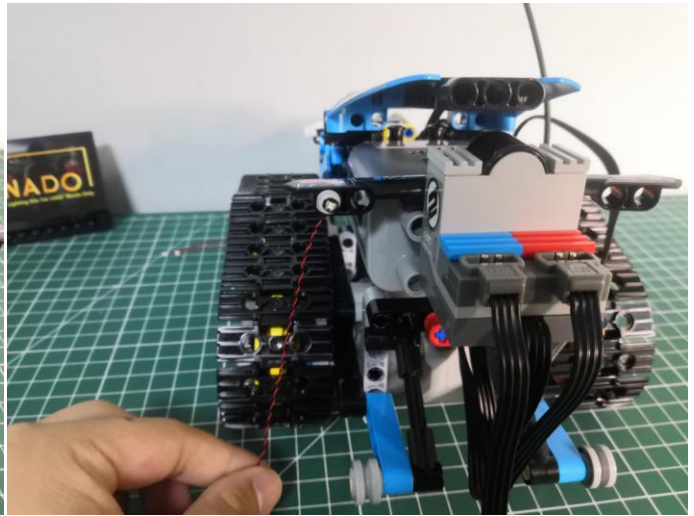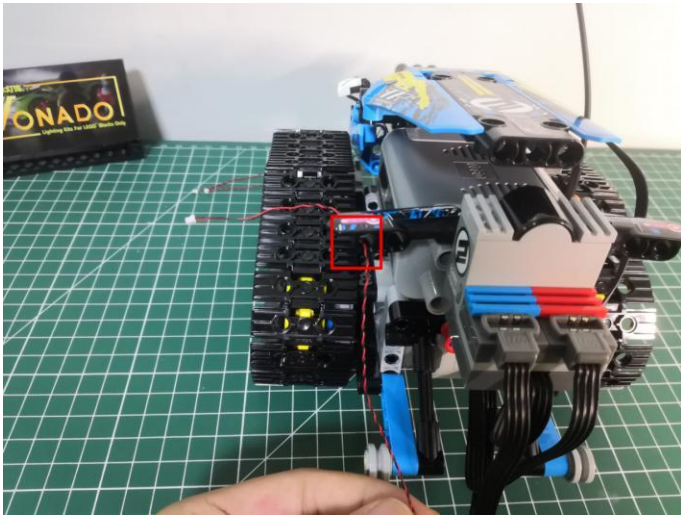
16. Install the light for the right side in the same way.
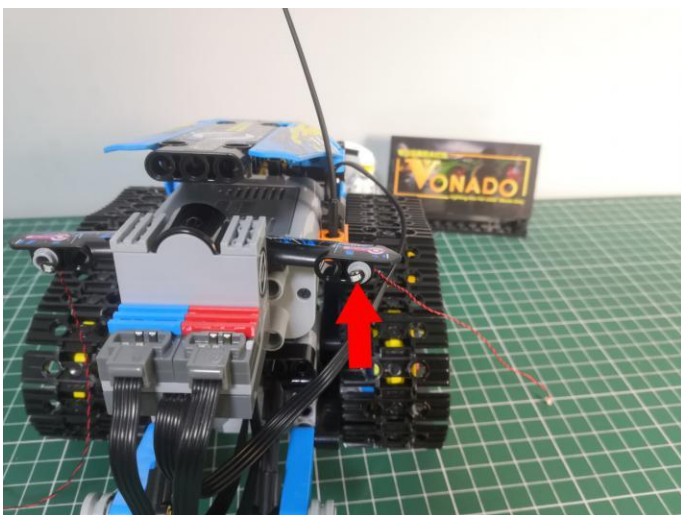
17. Turn to the side.
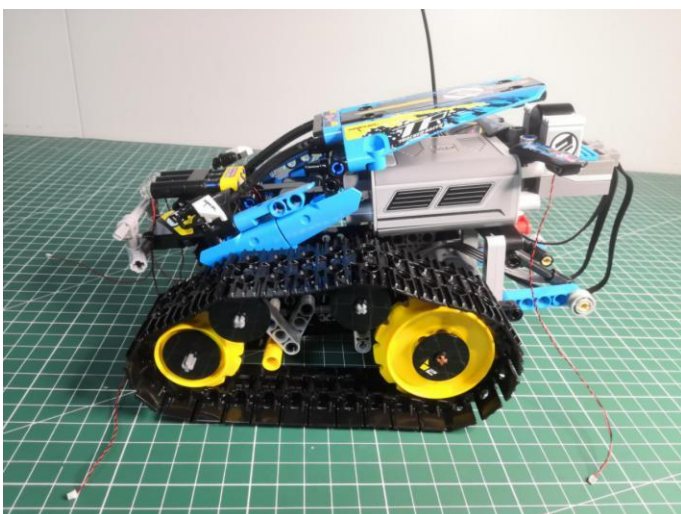
18. Take a blue 15cm dot light, an adhesive square.
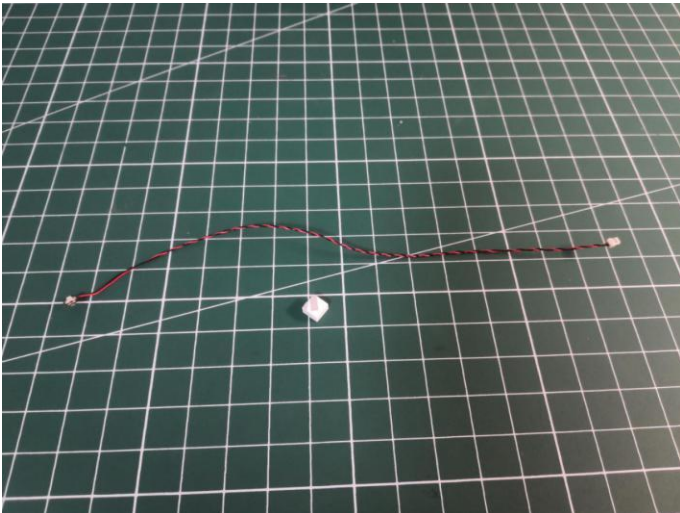
19. Stick the adhesive square to the back of the light.
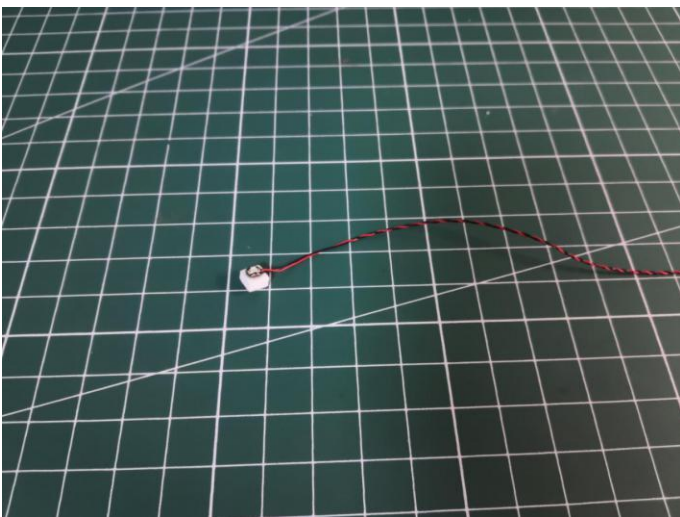
20. Tuck the cable underneath the tuck, and secure the light as per below.
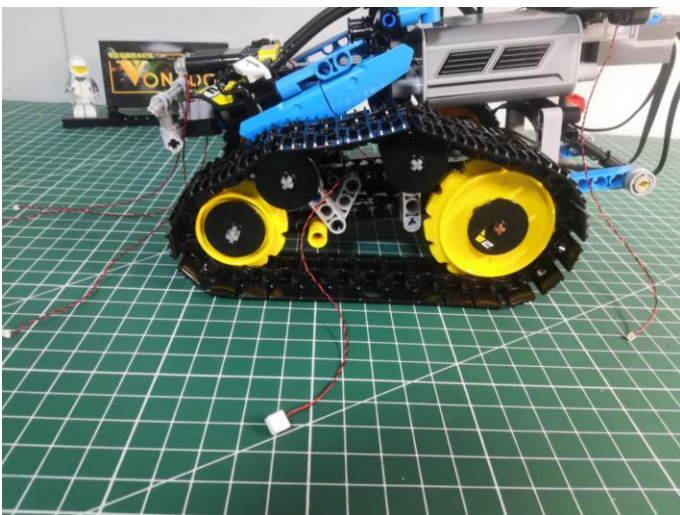
21. Turn to the other side.
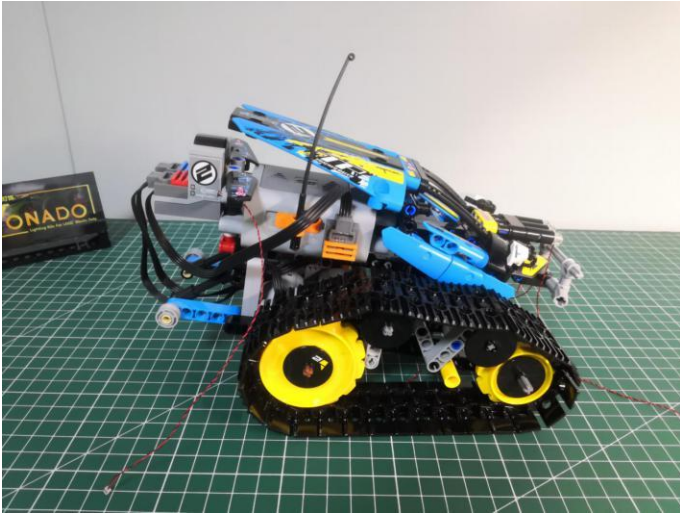
22. Take a blue 15cm dot light, an adhesive square.
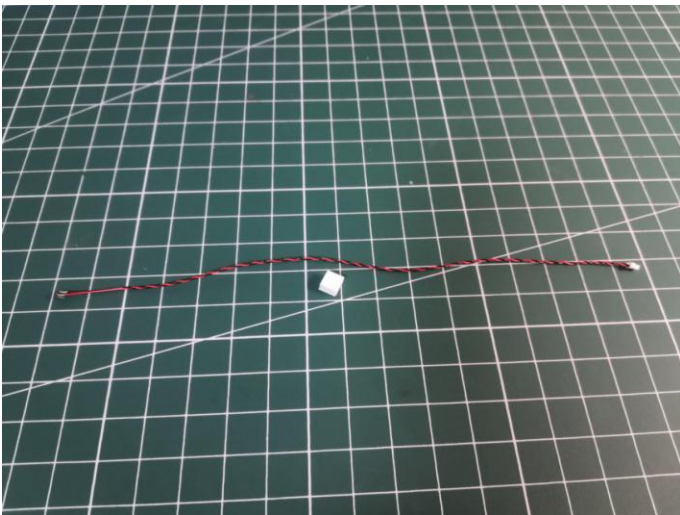
23. Stick the adhesive square to the back of the light.
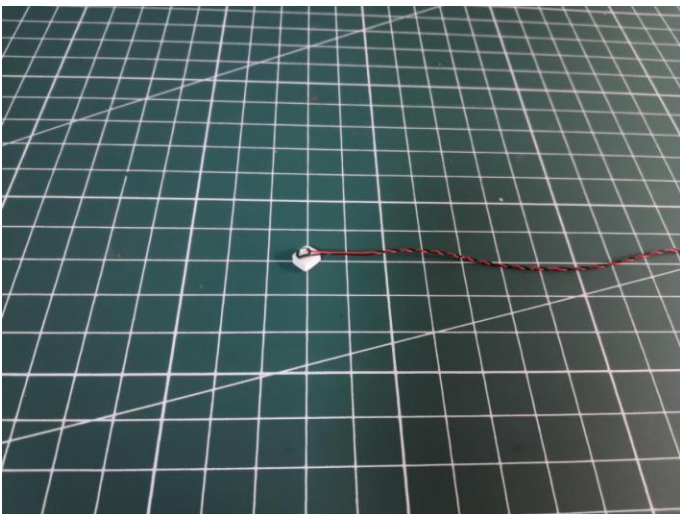
24. Tuck the cable underneath the tuck, and secure the light as per below.
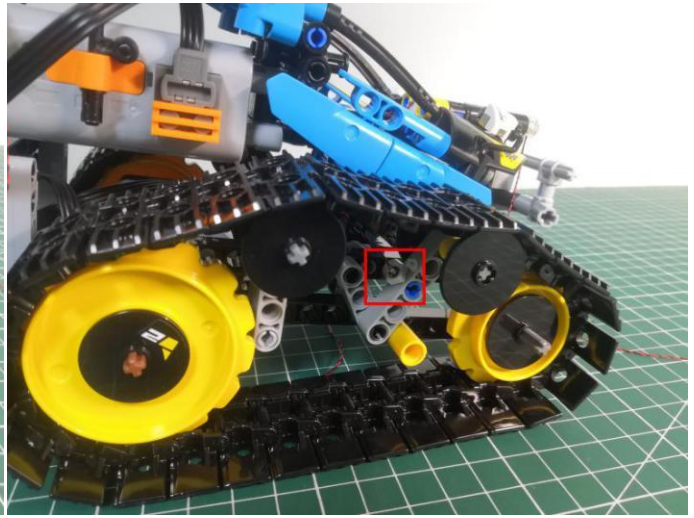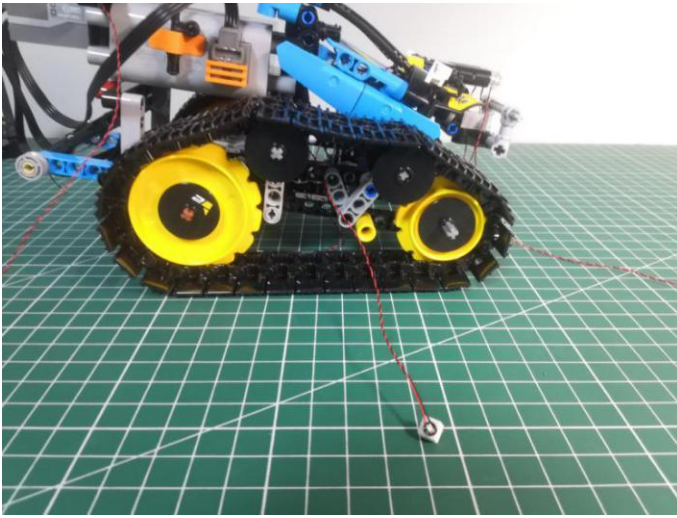
25. Open the roof as per below.
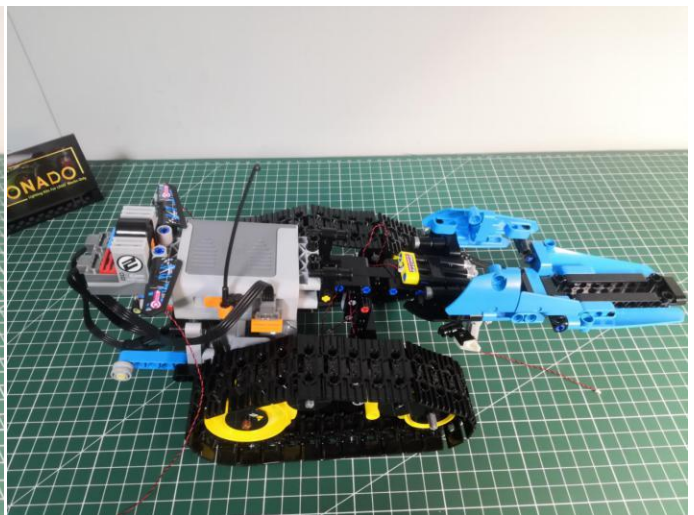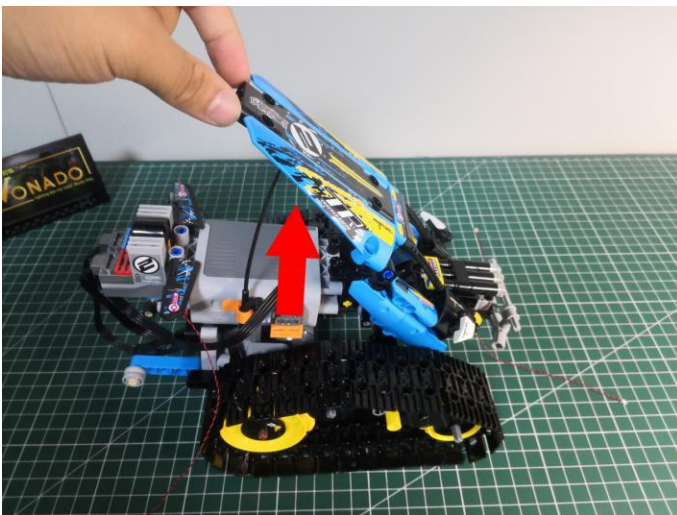
26. Pull the following red piece out.
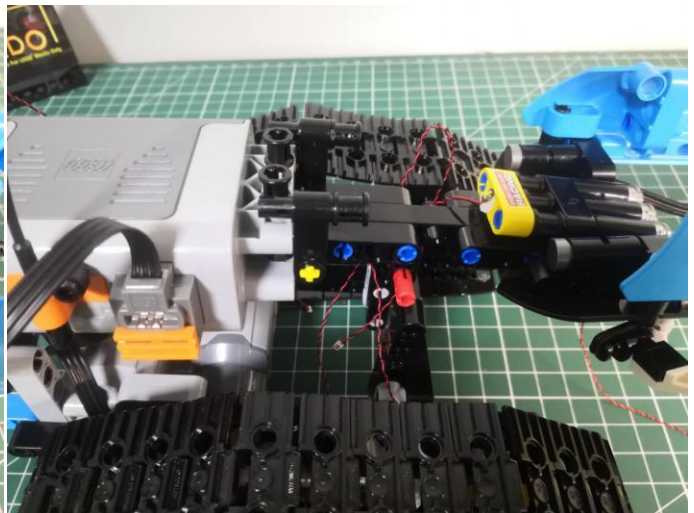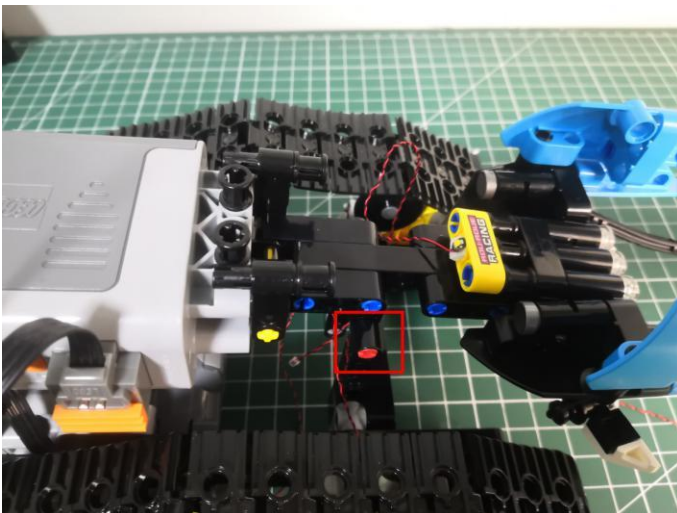
27.Remove the body.
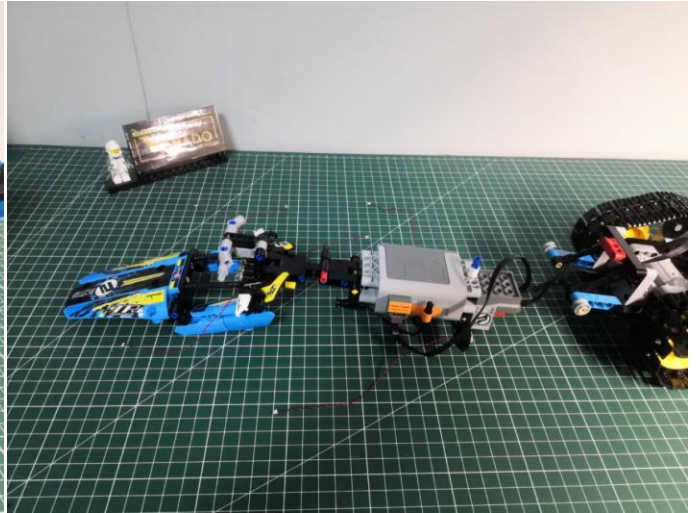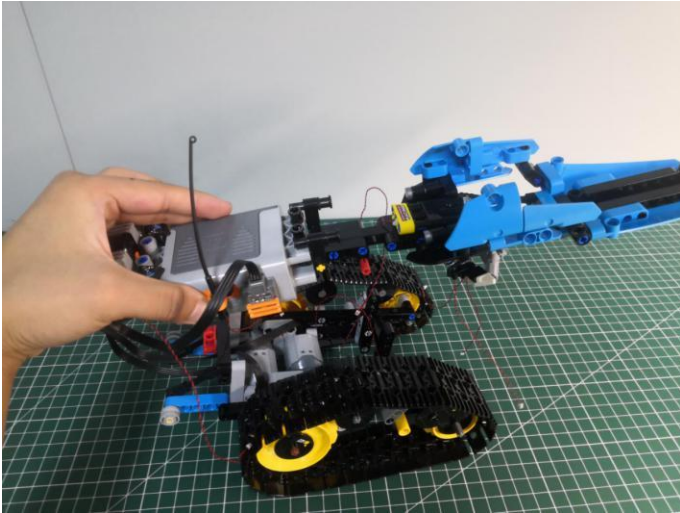
28.Take the following 3 cables from the head, thread them through the following space.
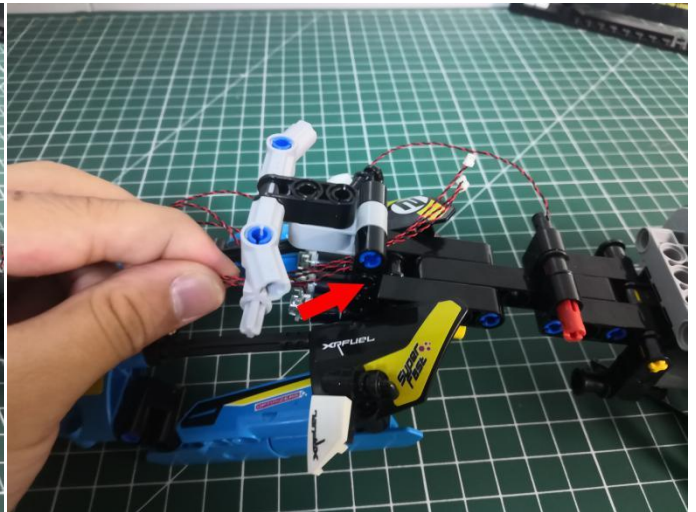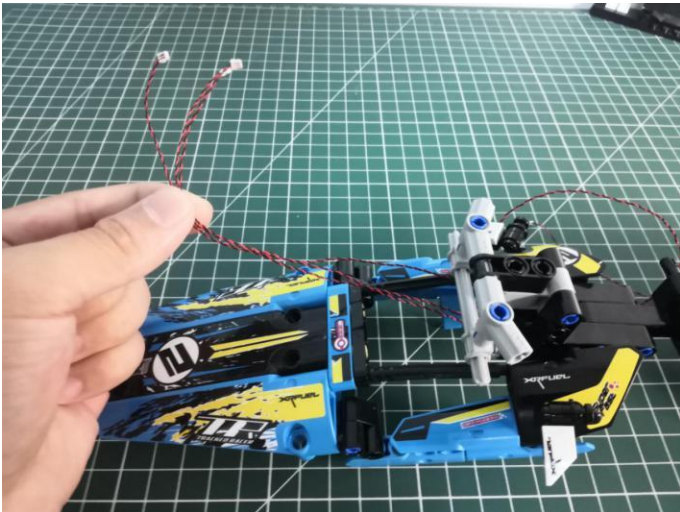
29
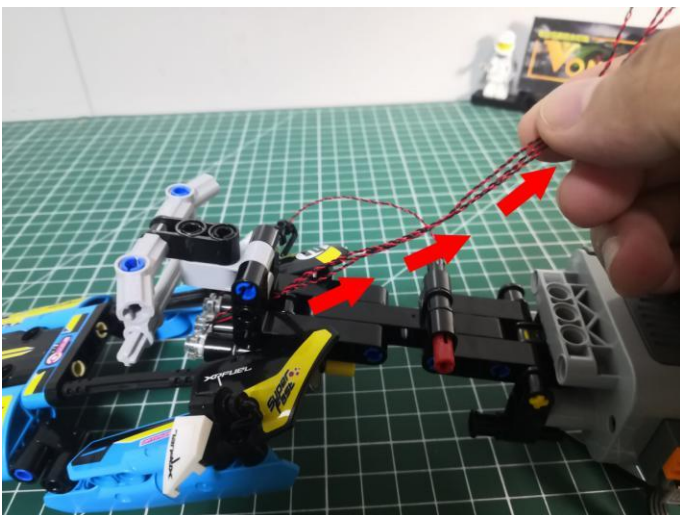
30.Wind the cables around the following black piece several times.
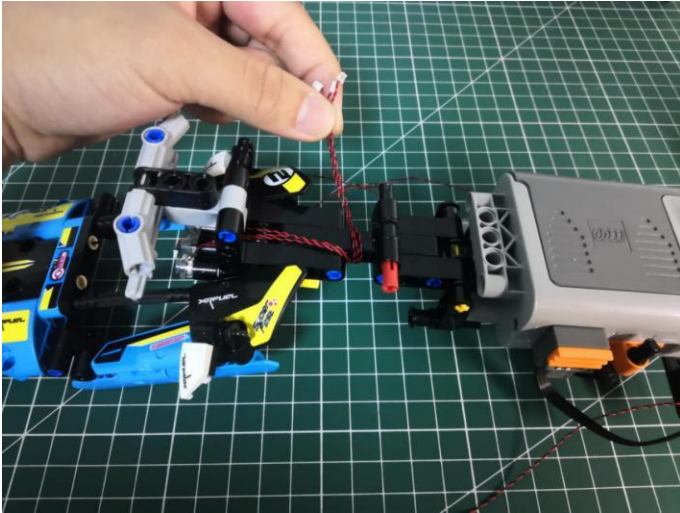
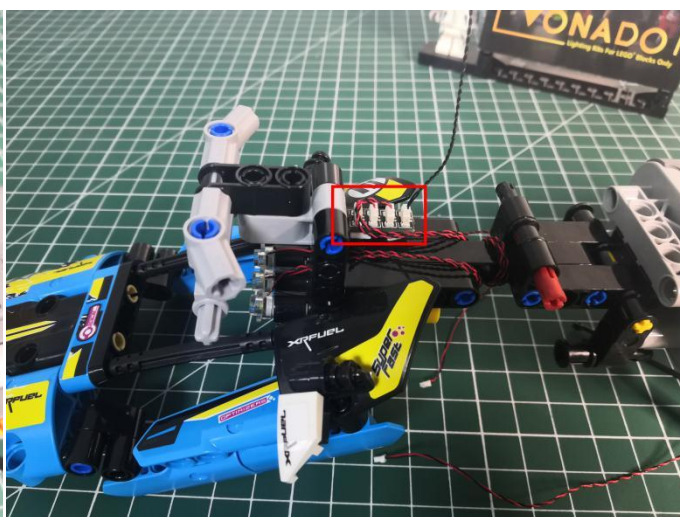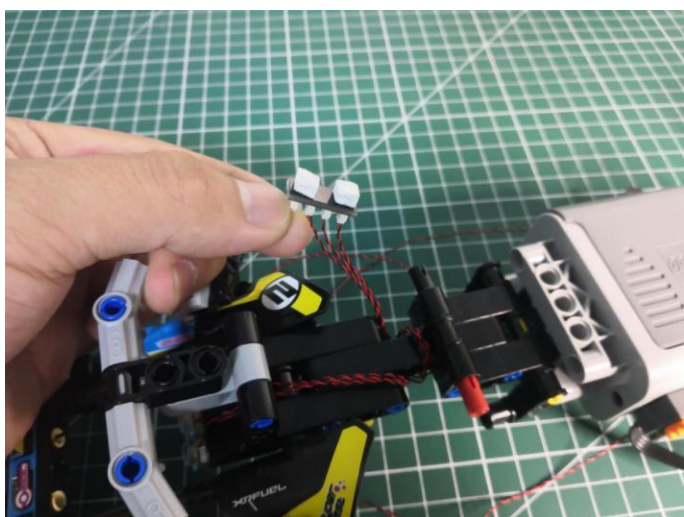**31.Take a 5cm connecting cable, a 4-port expansion board, assemble them as per below.**
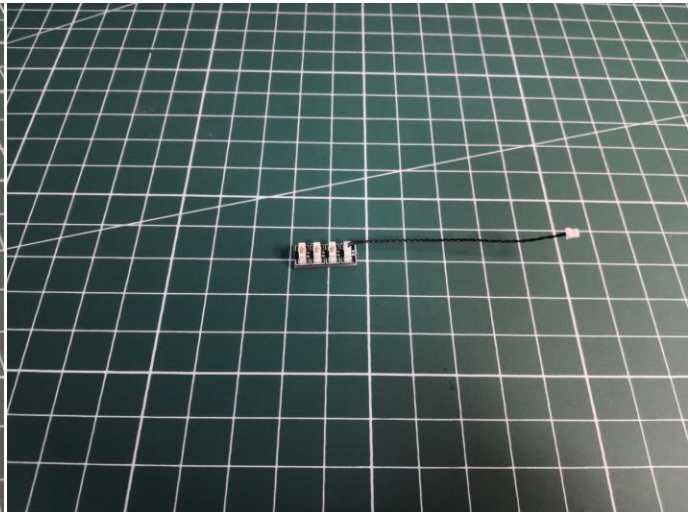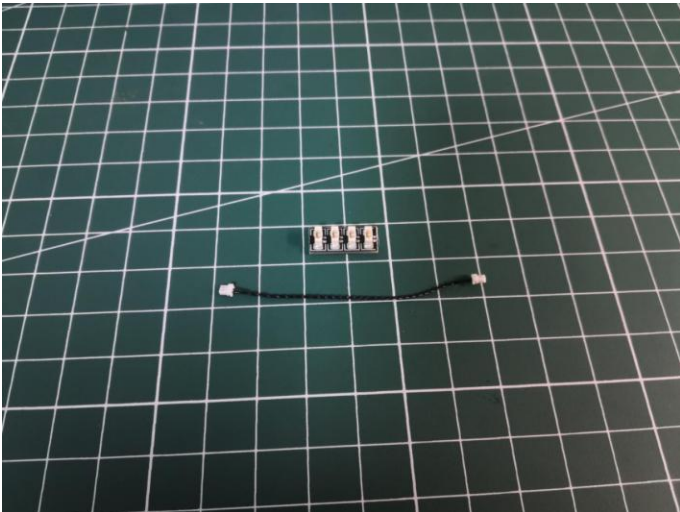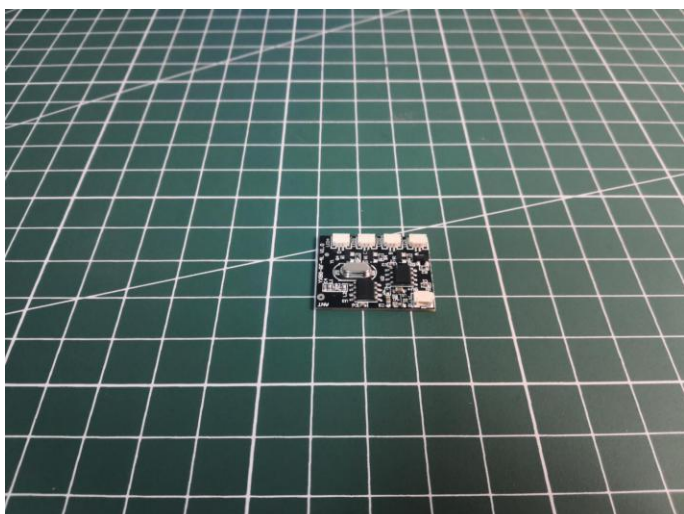

32.Connect the 3 cables to the expansion board.
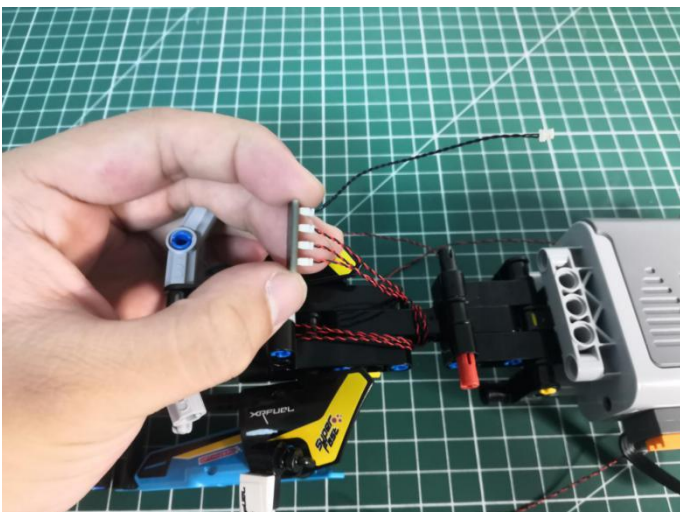
33.Take 2 adhesive squares.

34.Stick the adhesive squares to the back of the expansion board, stick the expansion board to the following place.

# 35.Take a Remote Control Switch Board.


Remote control function description

ON: All branches are opened
OFF: all branches are closed

A: open/close A road
B: open/close B road
C: open/close C road
D: open/close D road

FS：Turn on blinking for the last open channel

BLN:Start breathing for the last opened path

↑：Increase blinking/breathing rate
↓：Increase blinking/breathing rate

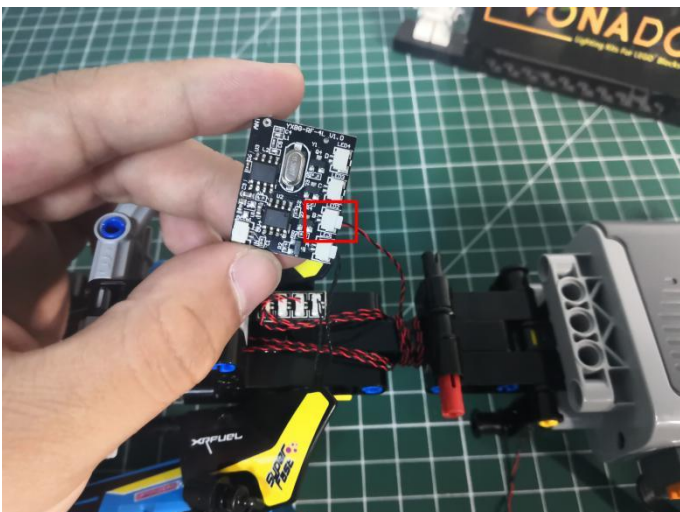Brightness+: VIncrease brightness
Brightness -: Reduce brightness

36.Connect the following cable from the expansion board to the A port.
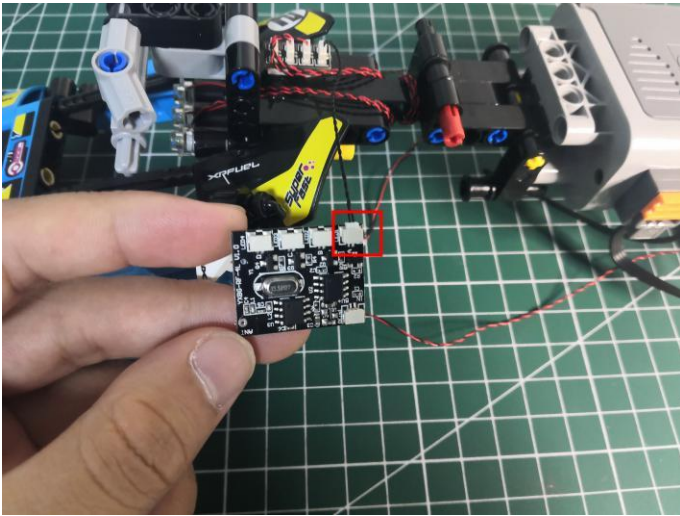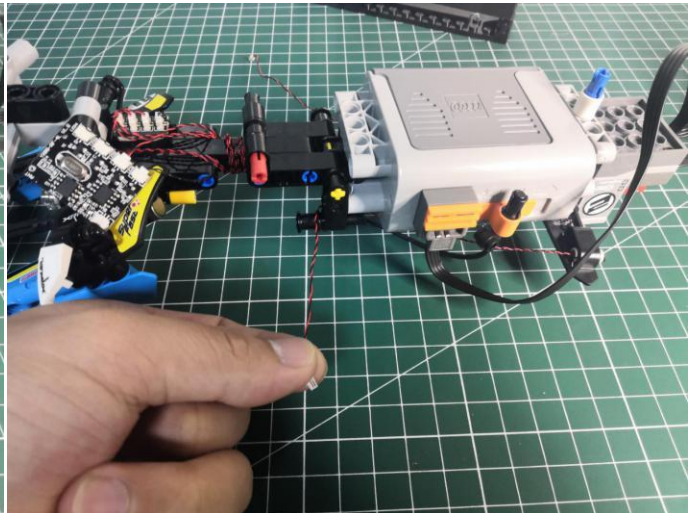

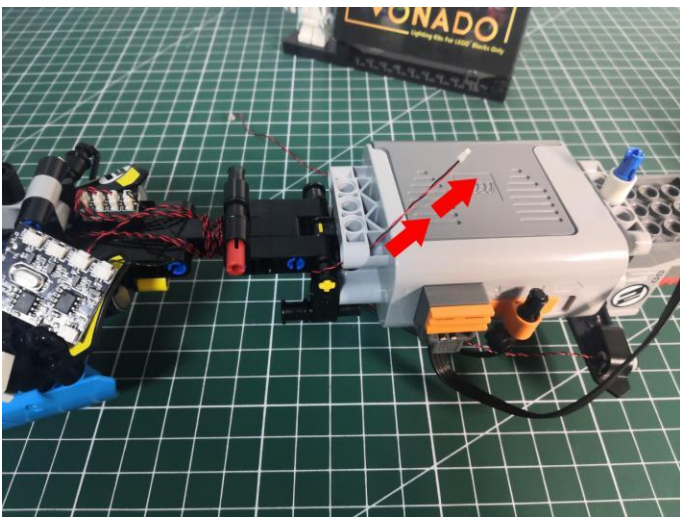**37.Take the following cable, wind it around the black piece several times before connecting it to the B port.**
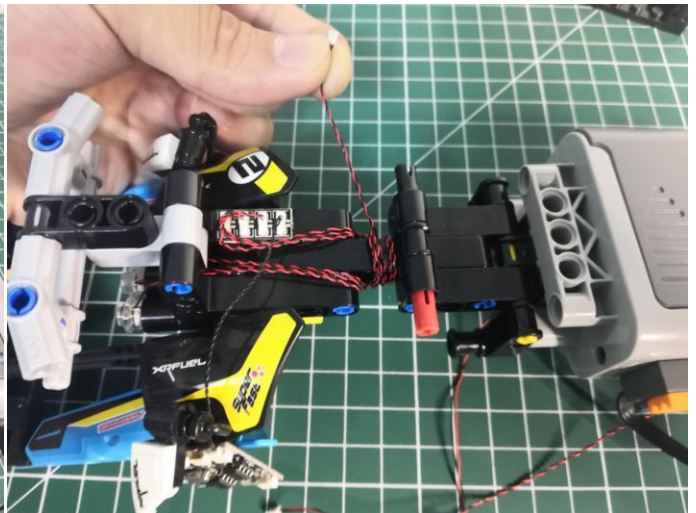
38

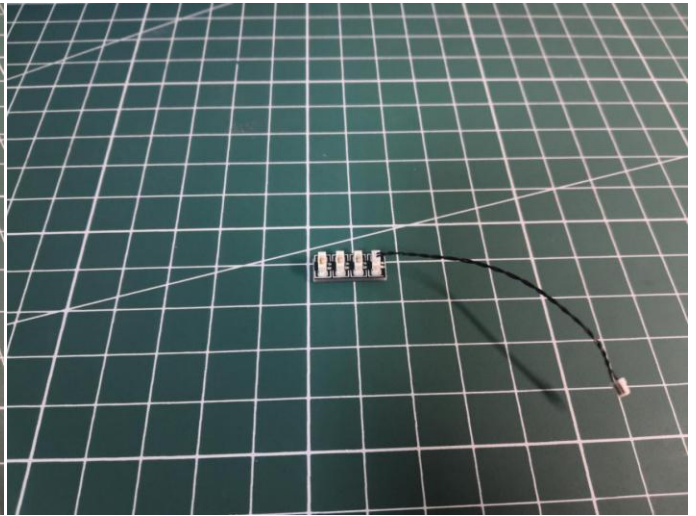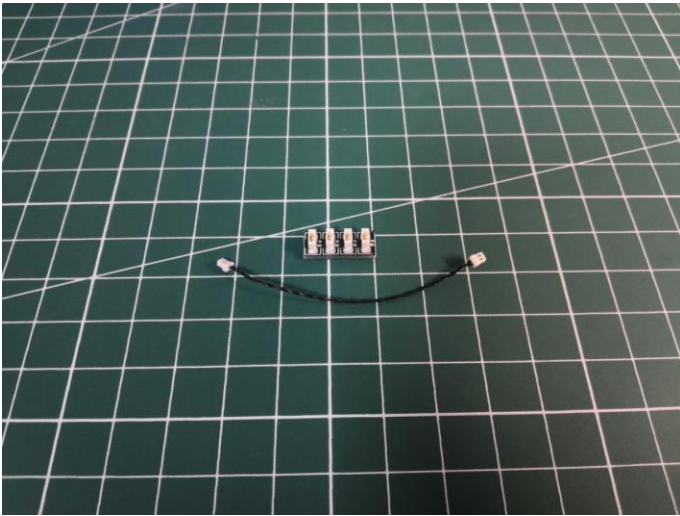## 39. Take the following cable, thread it through the bottom.

40. Continue to thread it through the following hole.

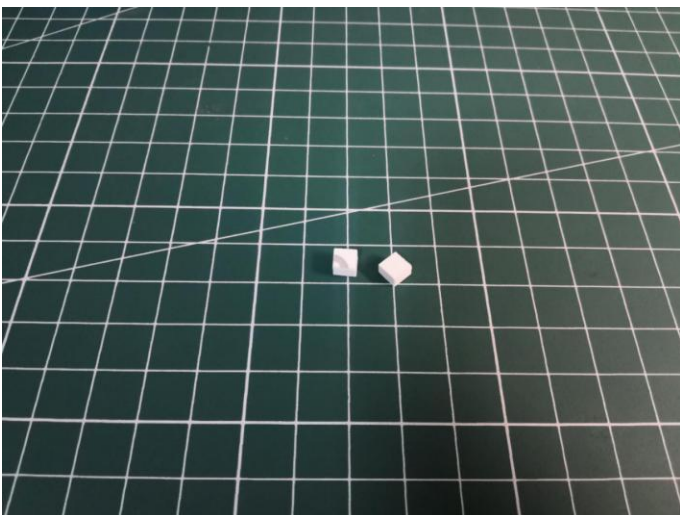## 41. Place the cable at the other side in the same way.

42. Take a 5cm connecting cable, a 4-port expansion board, assemble them as per below.

43. Connect the following 2 cables to the expansion board.

44. Take 2 adhesive squares.

45. Stick the adhesive squares to the back of the expansion board, stick the expansion board to the following place.
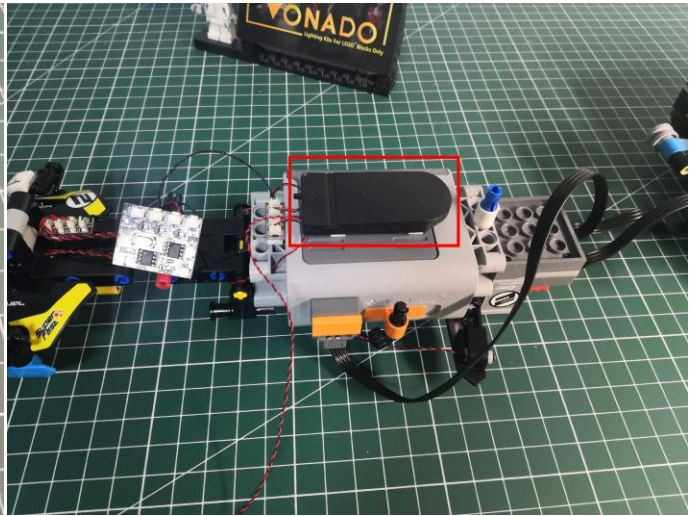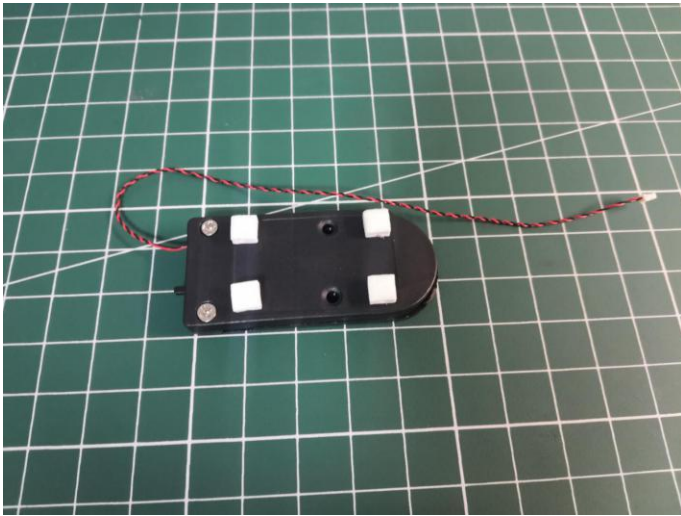

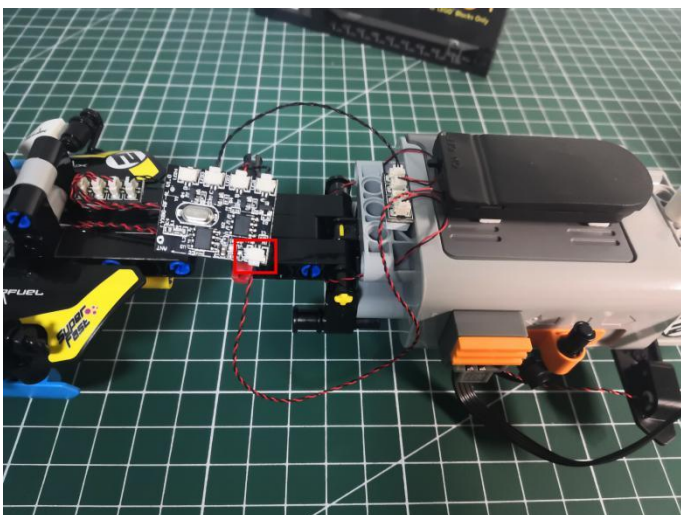**46.**Connect the following cable from the expansion board to the C port.

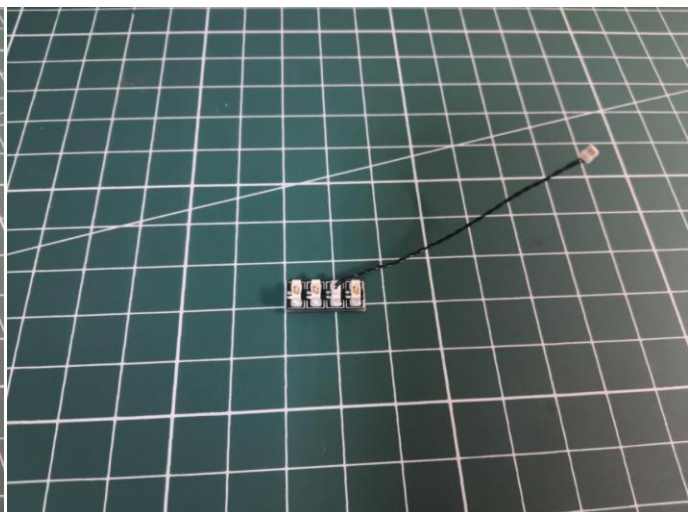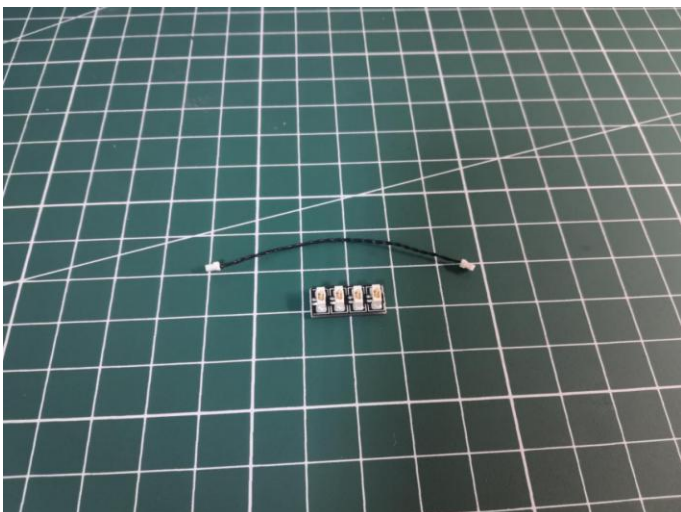**47.**Take a Flat Coin Cell Battery Pack, 4 adhesive squares.

48. Stick the adhesive squares to the back of the battery pack, stick the battery pack to the following place.

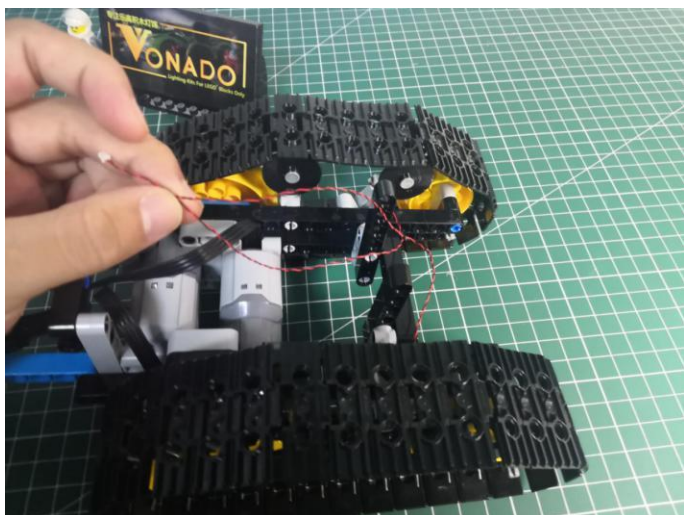**49.** Connect the cable from the battery pack to the IN port.

50. Take a 5cm connecting cable, a 4-port expansion board, assemble them as per below.
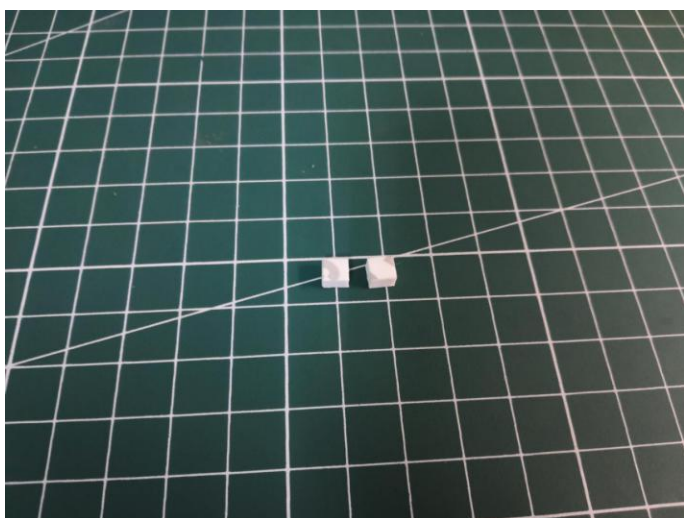
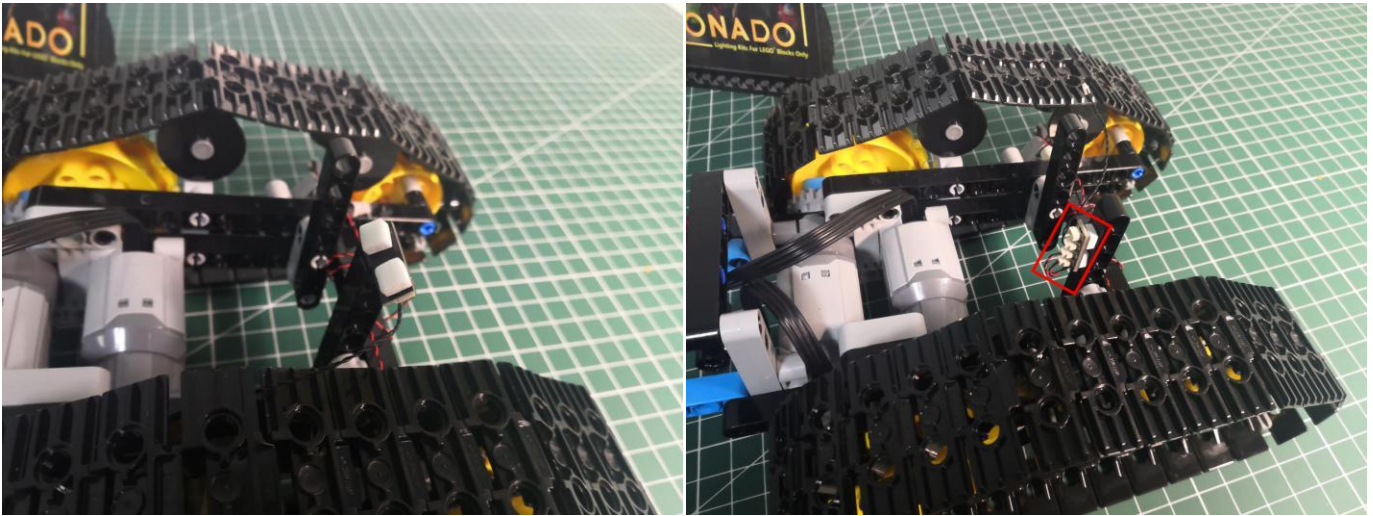# 51. Take the following 2 cables, wind them around the black piece.
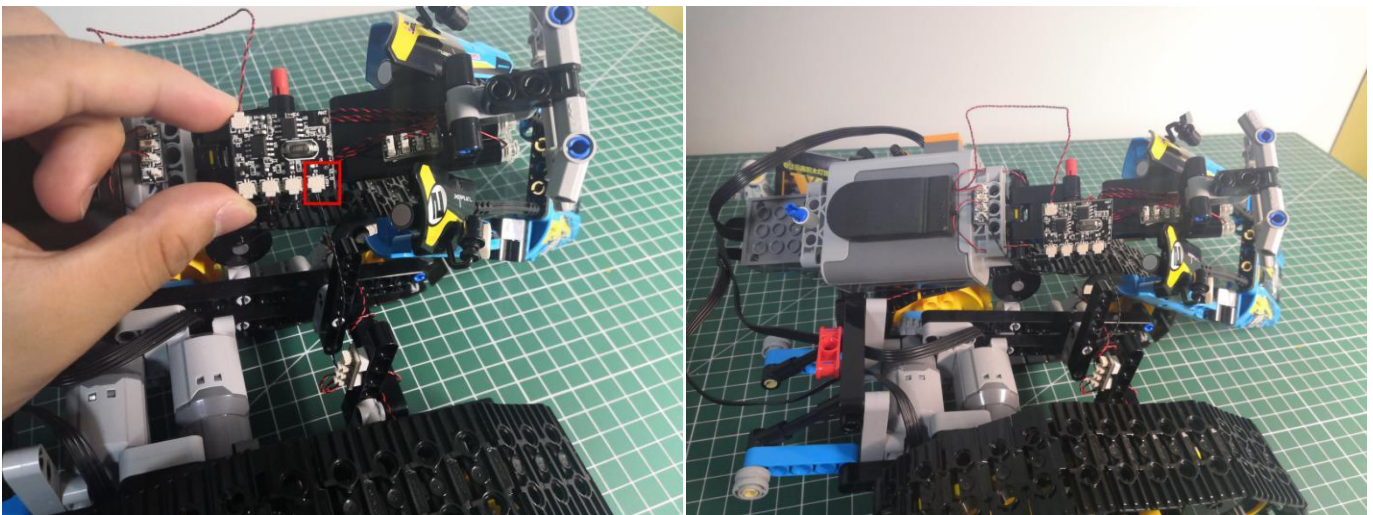

52. Connect the 2 cables to the expansion board.
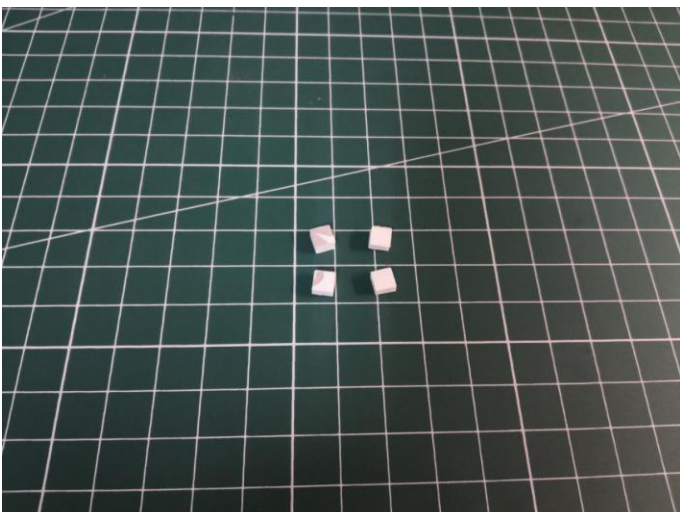

53. Take 2 adhesive squares.

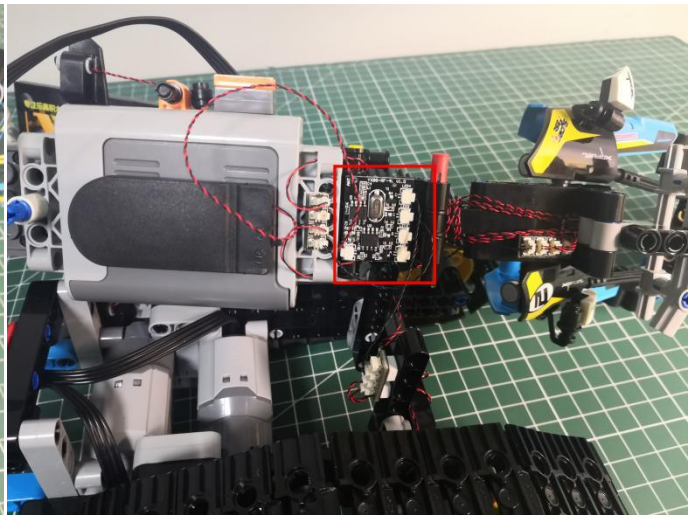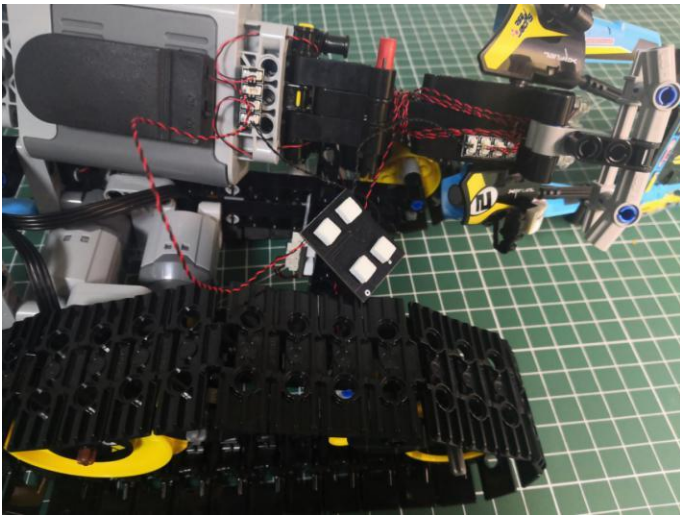# 54. Stick the adhesive squares to the back of the expansion board, stick the expansion board to the following place.

55. Connect the following cable from the expansion board to the D port.

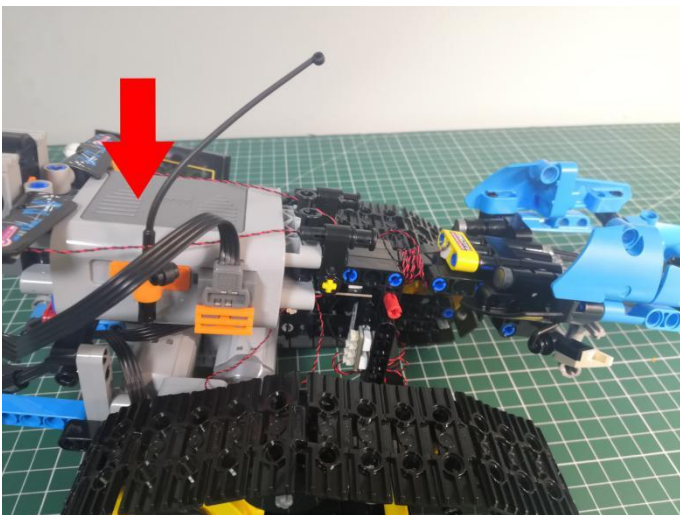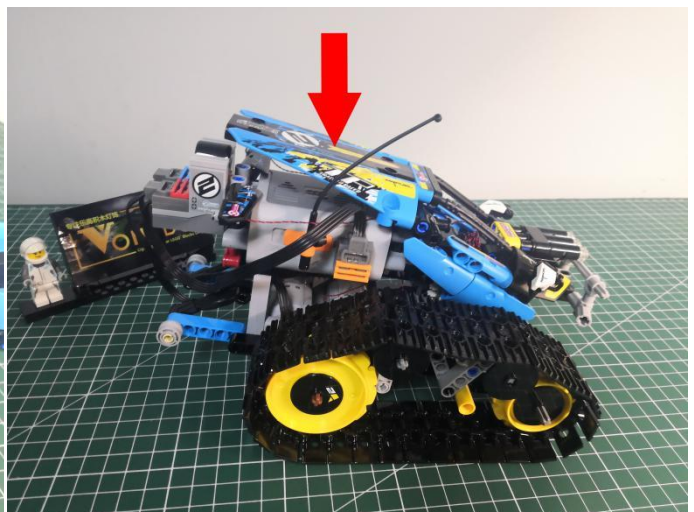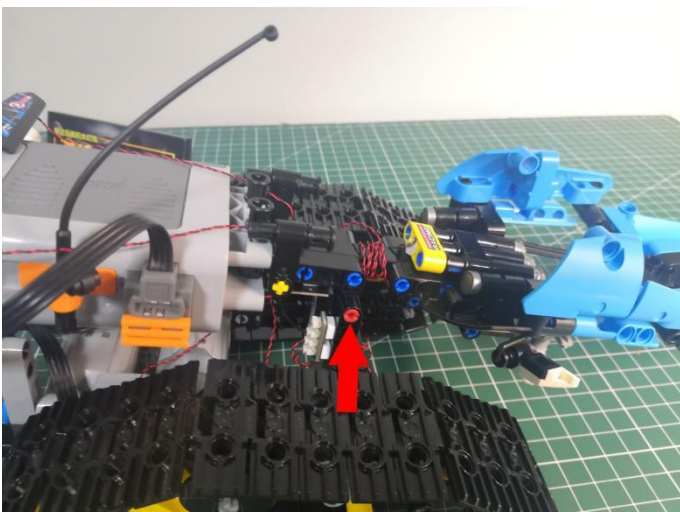# 56. Take 4 adhesive squares.

57. Stick the adhesive squares to the back of the Remote Control Switch Board, stick the Remote Control Switch Board to the following place.

58.Reconnect the body, open the roof.

59. Reconnect the red piece and the roof.

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