

42100 Liebherr R 9800 Excavator P15702

- P15702 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 “42100 P15702”.
- 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 12 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	6
Bit Lights-30CM-Warm White	Bit Lights-30CM-Warm White	10
LED Strip Lights-Red	LED Strip Lights-Red	2
LED Strip Lights-Warm White	LED Strip Lights-Warm White	4
Expansion Board	6 Socket Expansion Board	1
	8 Socket Expansion Board	1
	12 Socket Expansion Board	1
AA Battery Box	AA Battery Box	1
Connecting Cables-5CM	Connecting Cables-5CM	2
Connecting Cables-15CM	Connecting Cables-15CM	5
Connecting Cables-30CM	Connecting Cables-30CM	3
Multi-Effects Board	Multi-Effects Board	1
Remote Control Boards	Remote Control Boards	1
Parts package		

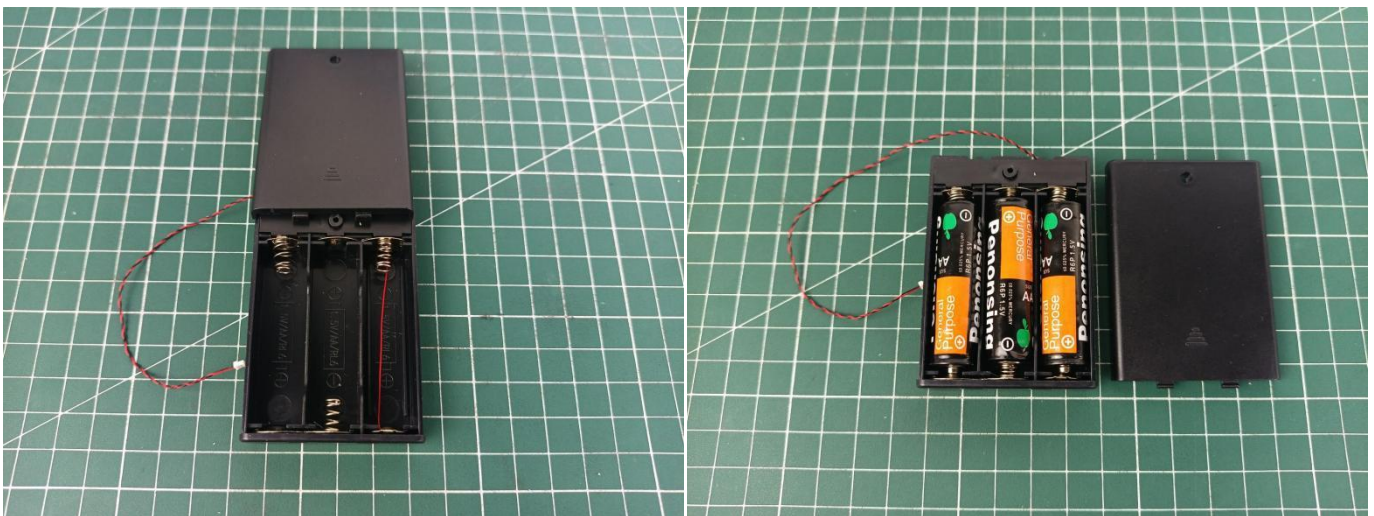
Please contact us immediately if there have any missing components.

Section B: Test that each components is working properly.

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

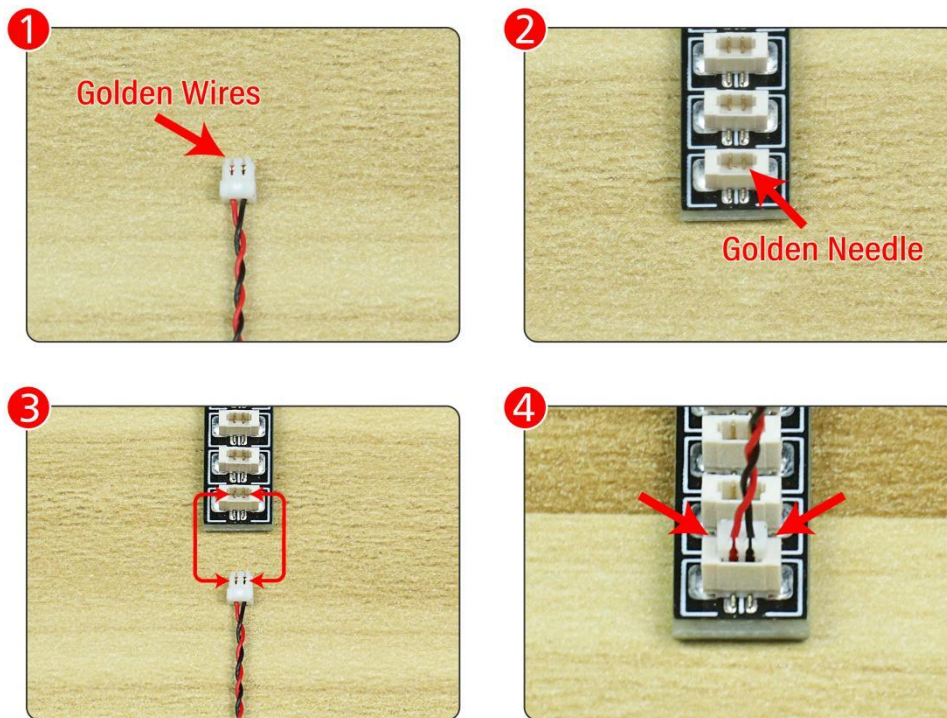


The AA Battery Box does not contain batteries, please buy three AA batteries in the nearest store and install it in the AA Battery Box.



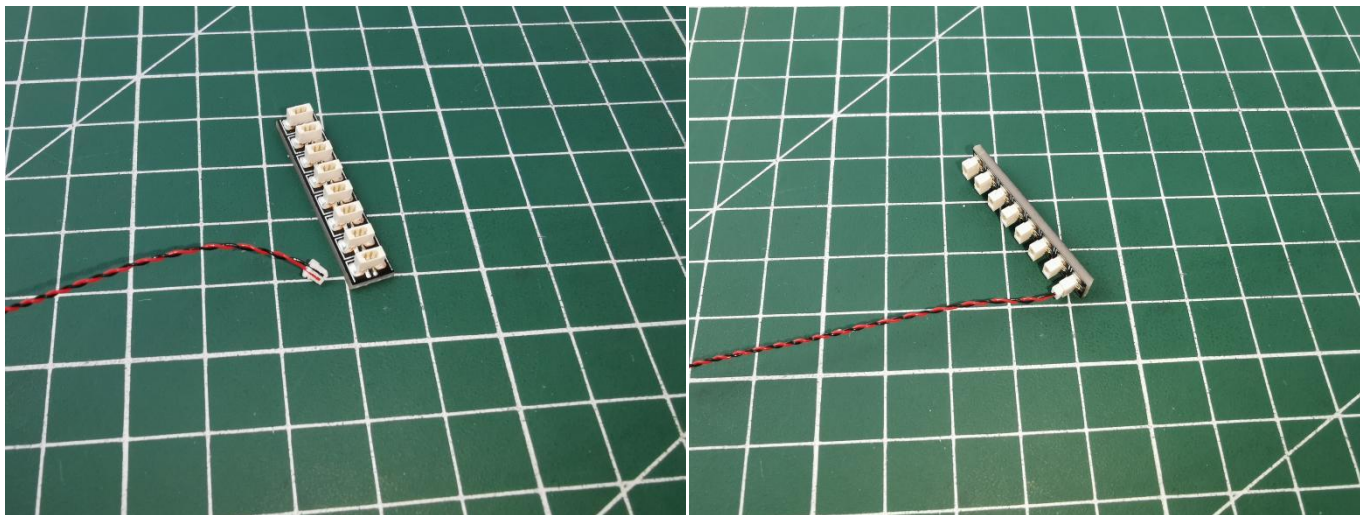
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

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.

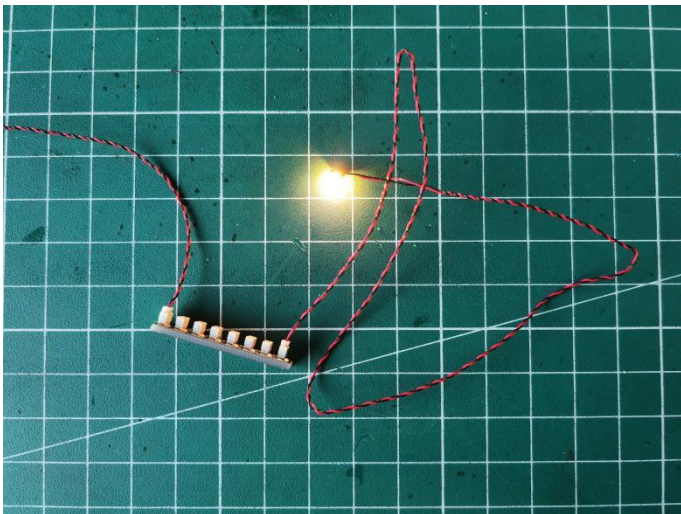


All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the AA Battery Box and Expansion Boards is as follows:



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.



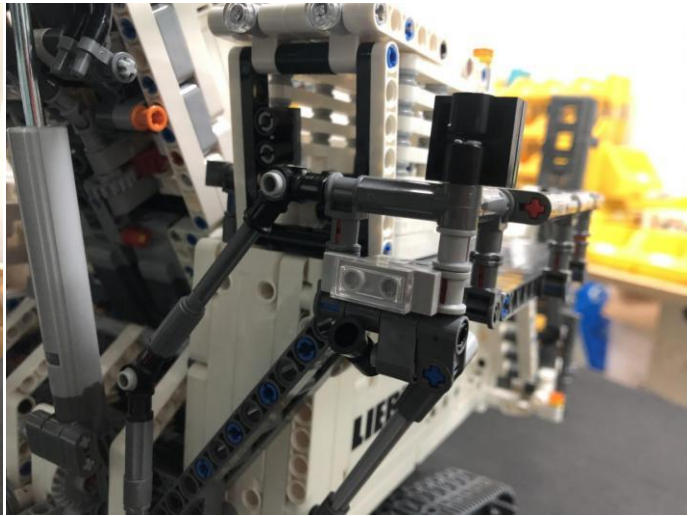
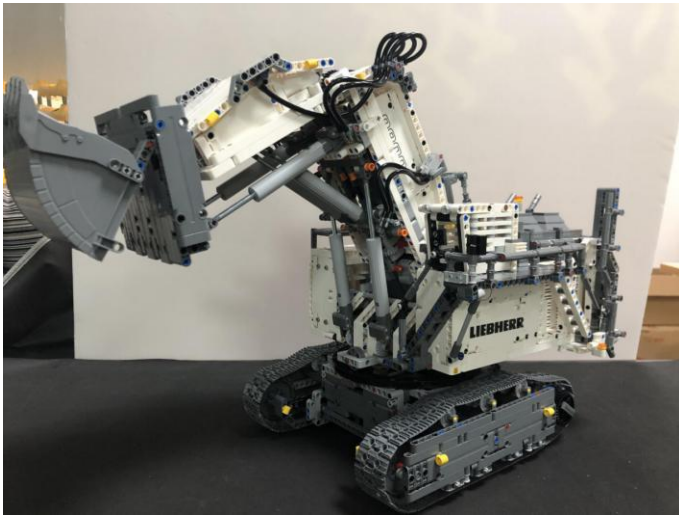
Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.



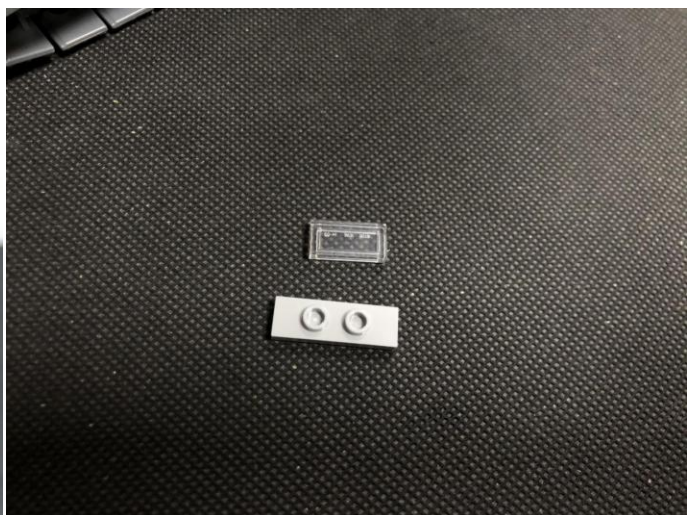
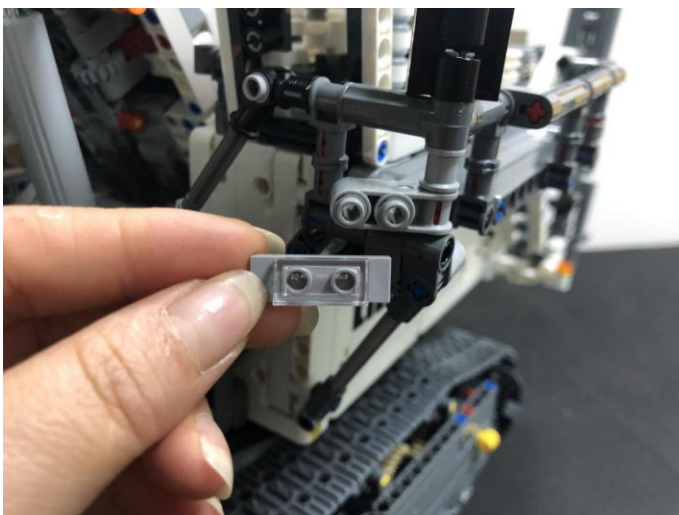
The components needs to be tested in this set is 6*Bit Lights-15CM-Warm White,9*Bit Lights-30CM-Warm White,2*LED Strip Lights-Red,4*LED Strip Lights-Warm White. Please contact us immediately if any components don't work.

Section C: laying out components following the instruction.

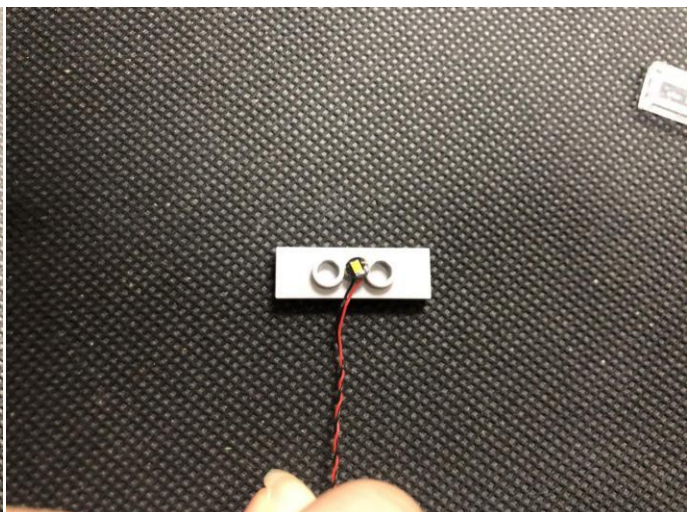
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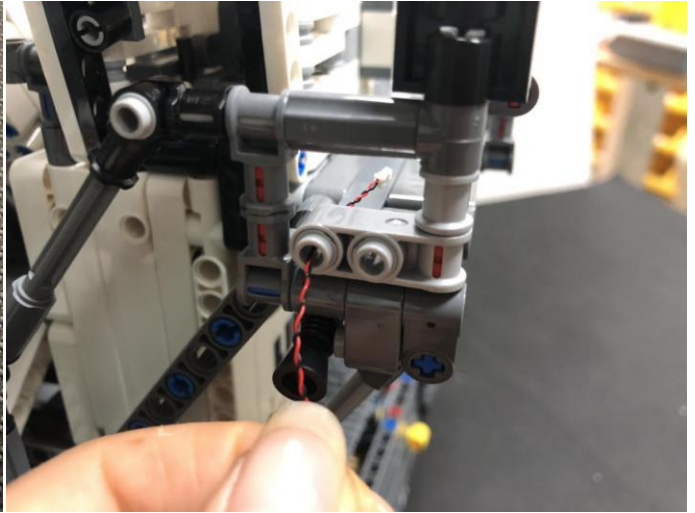
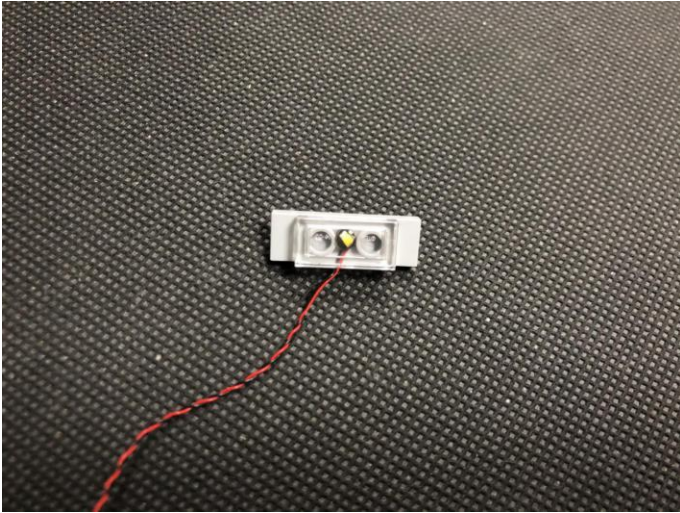
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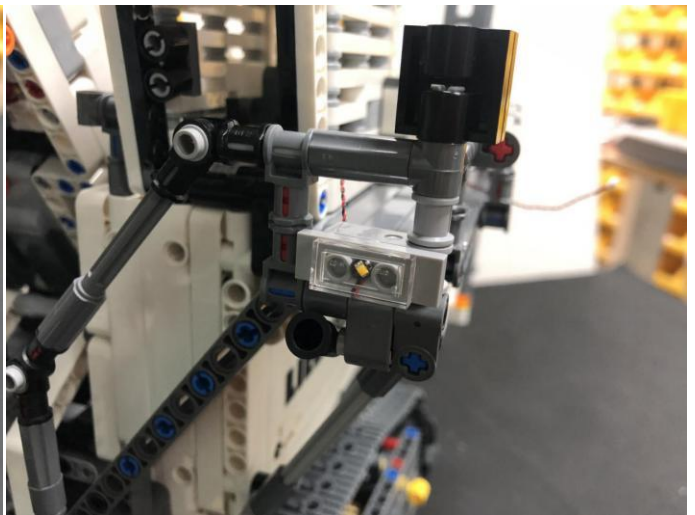
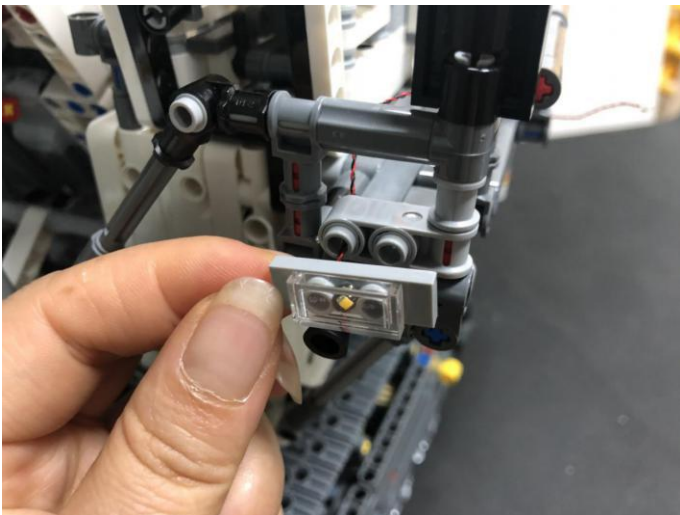
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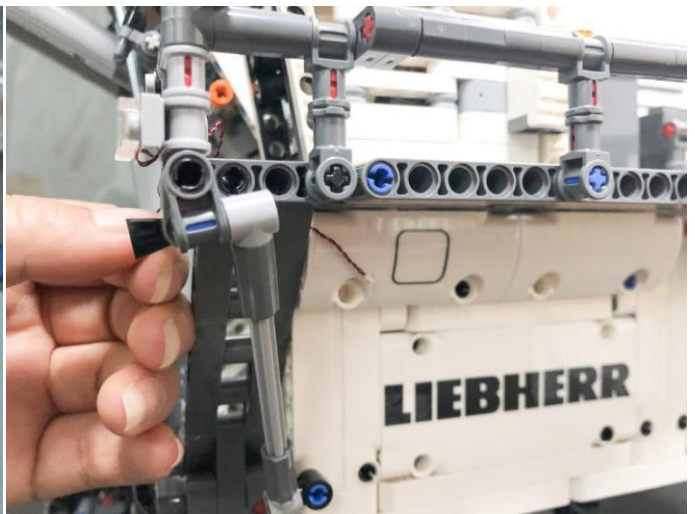
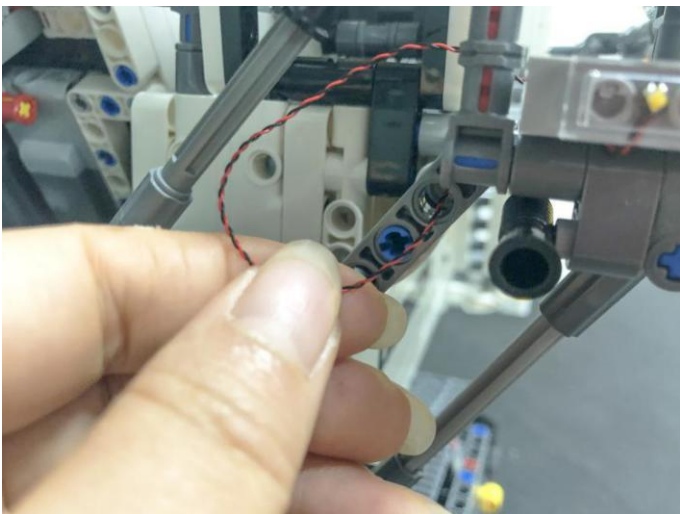
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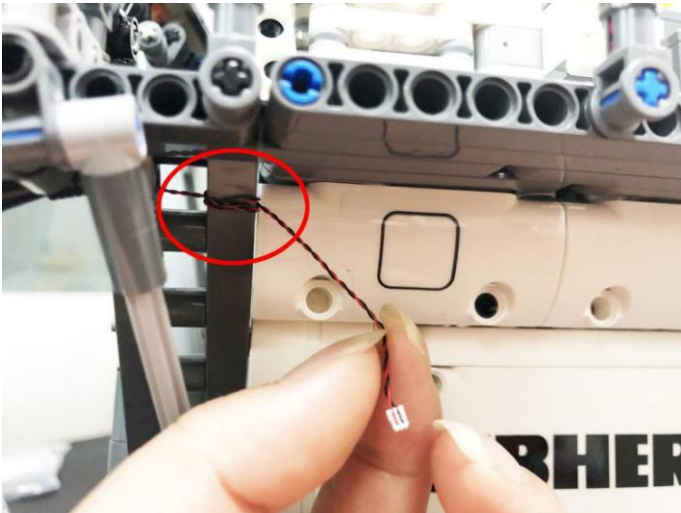
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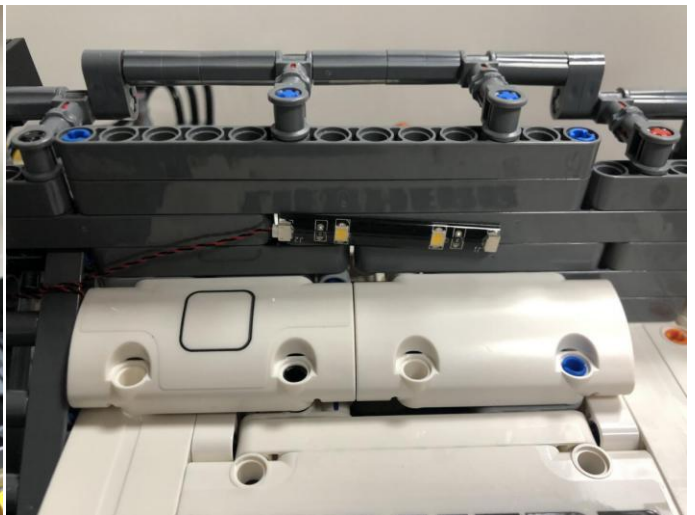
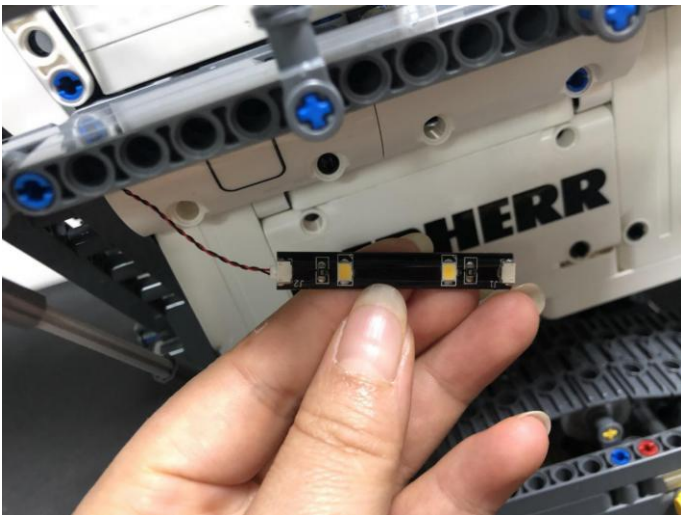
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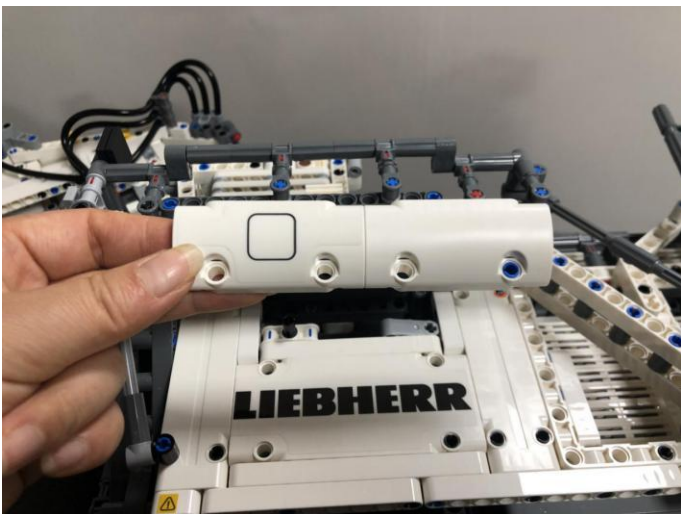
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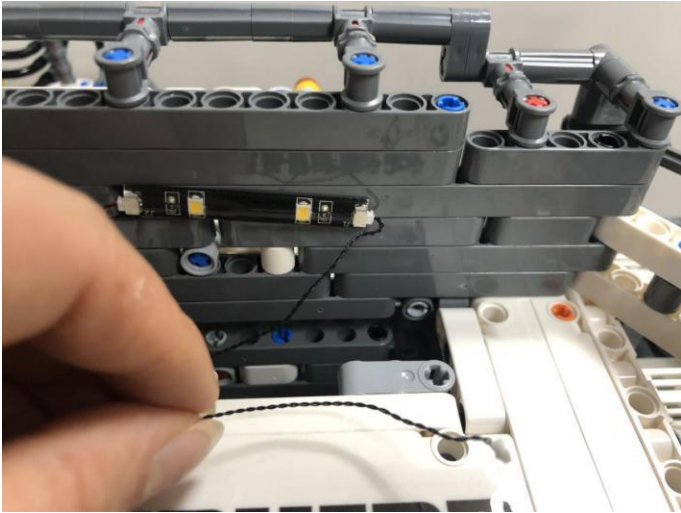
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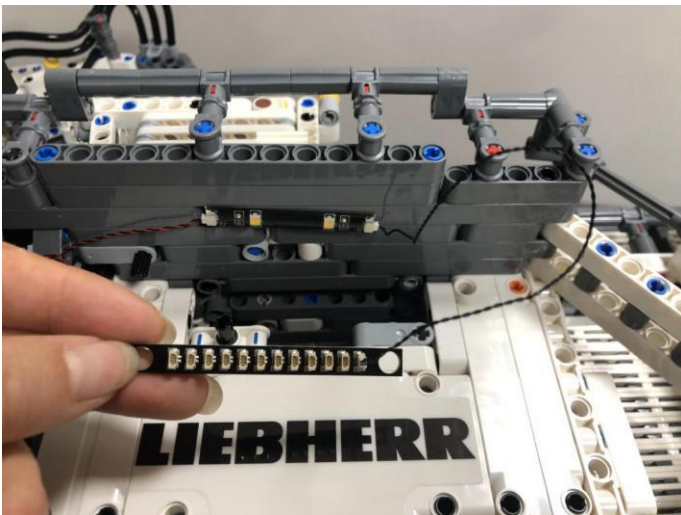
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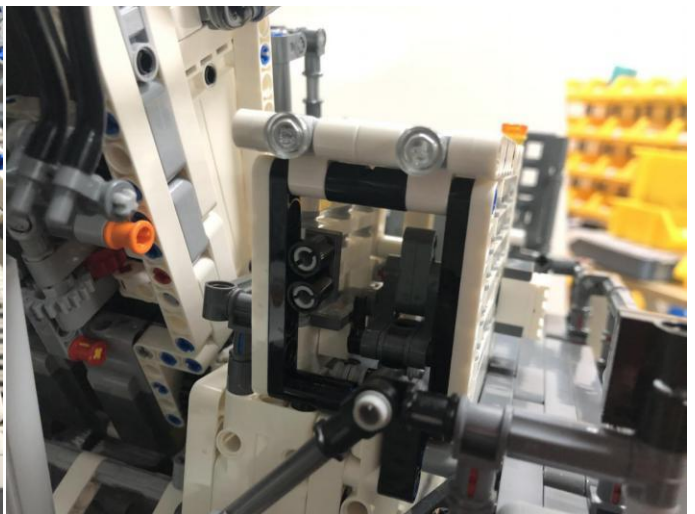
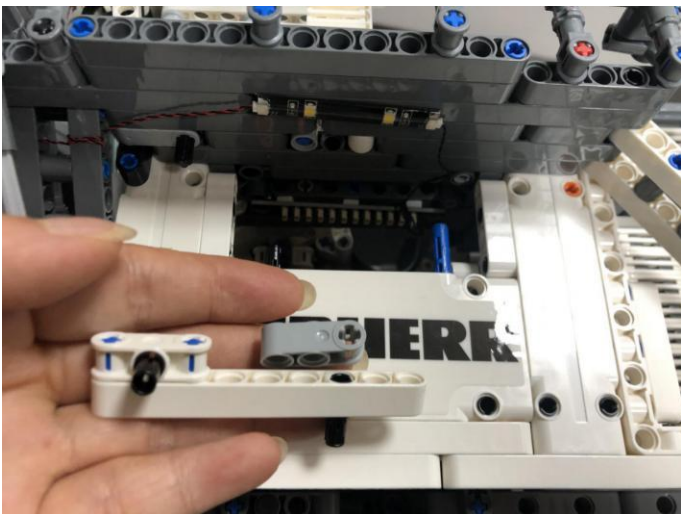
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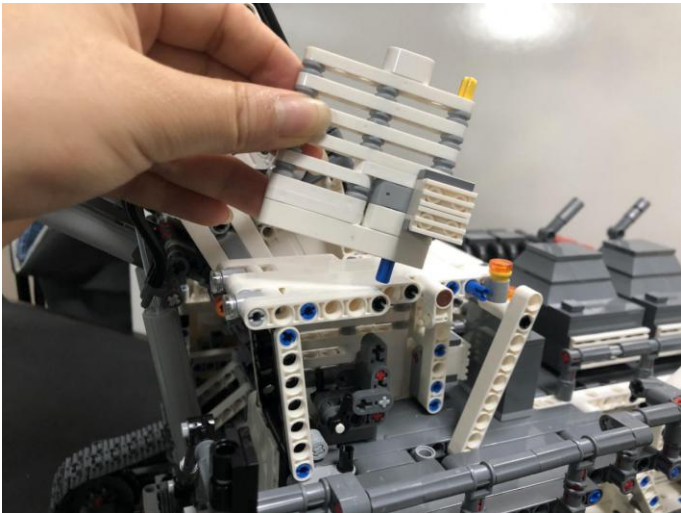
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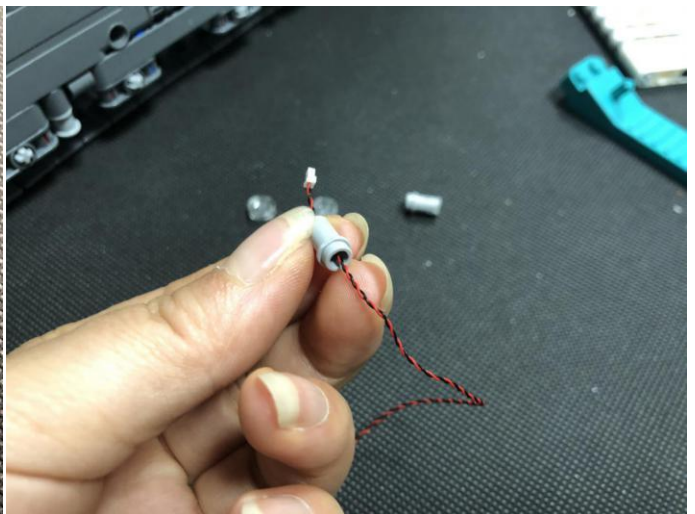
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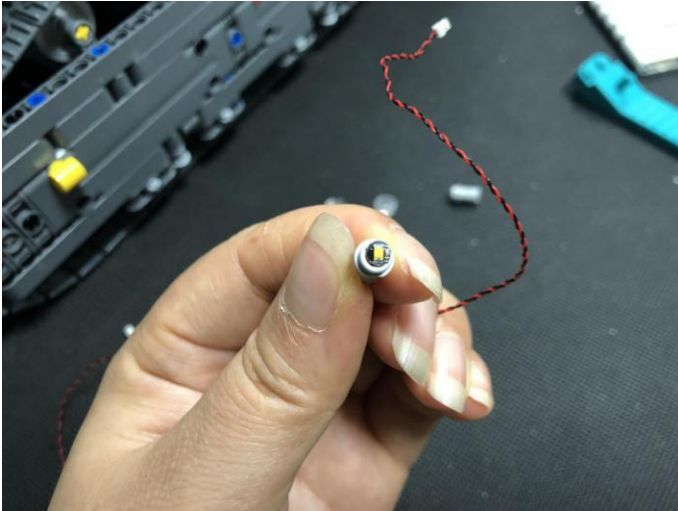
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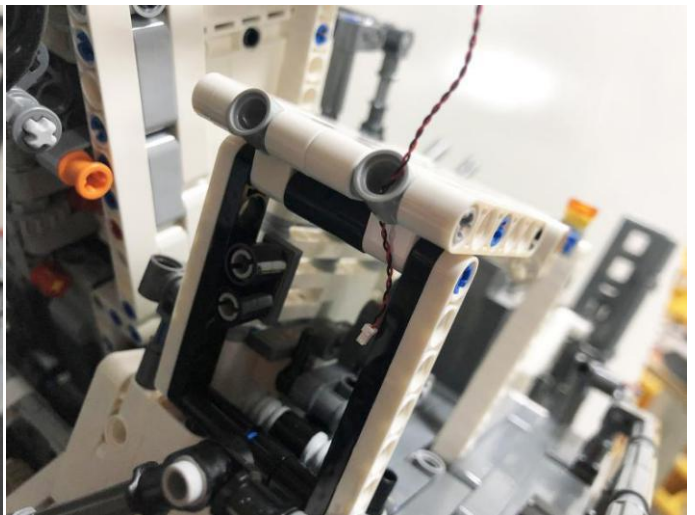
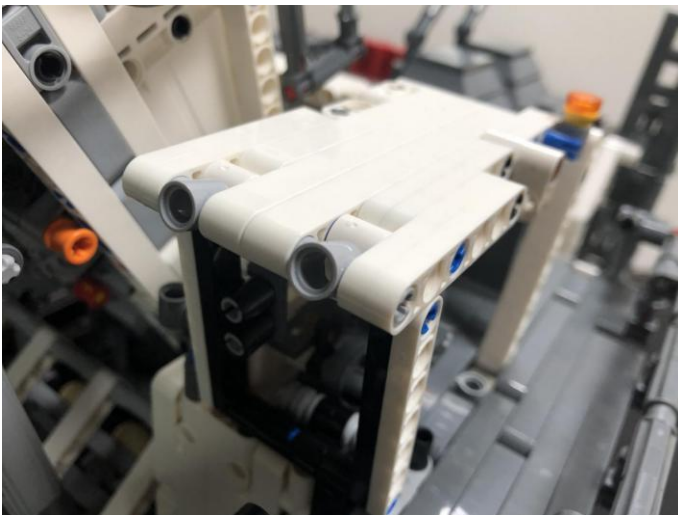
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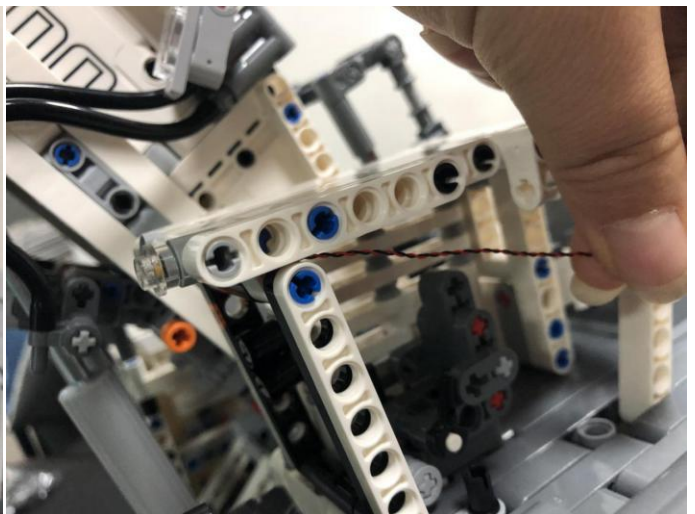
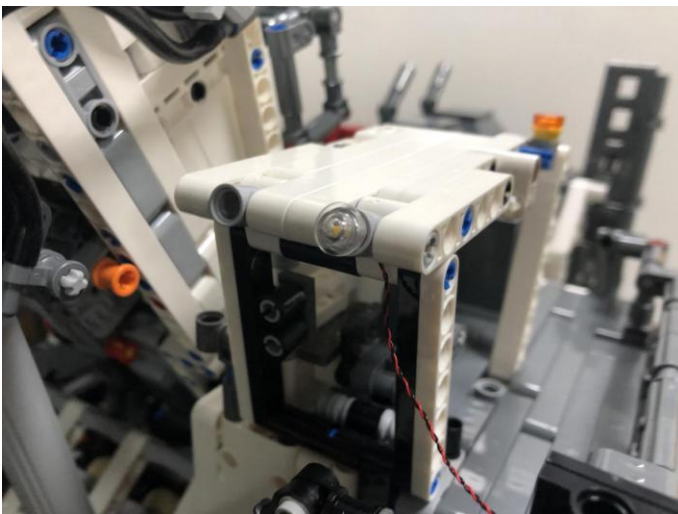
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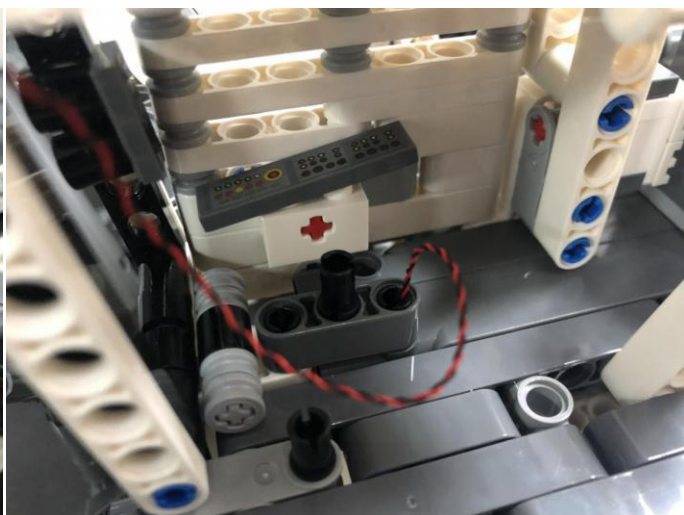
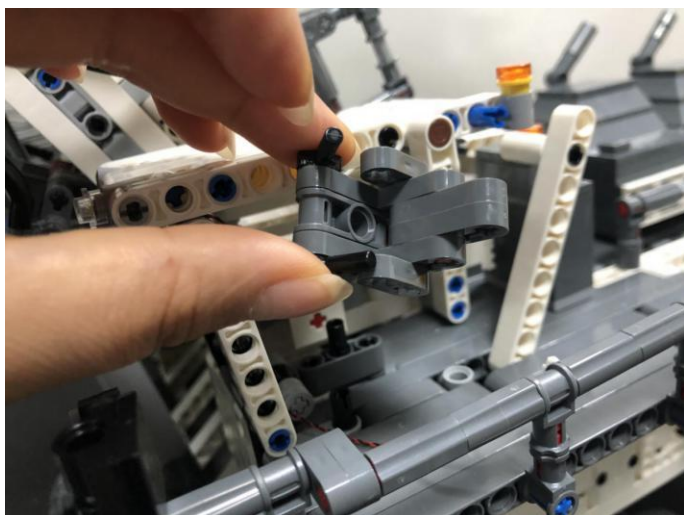
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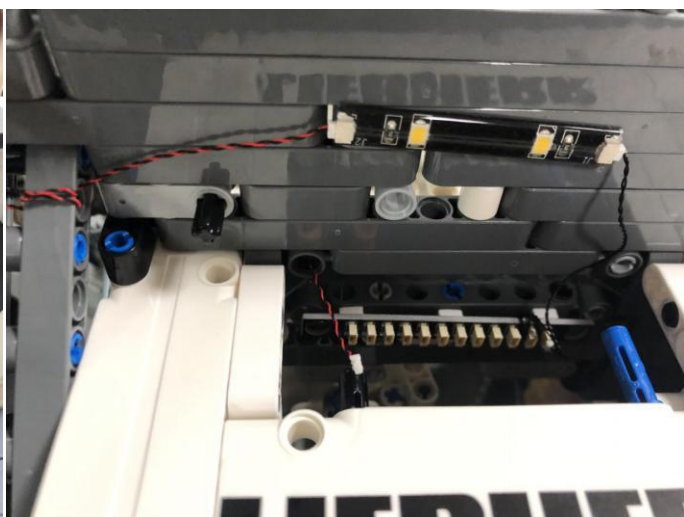
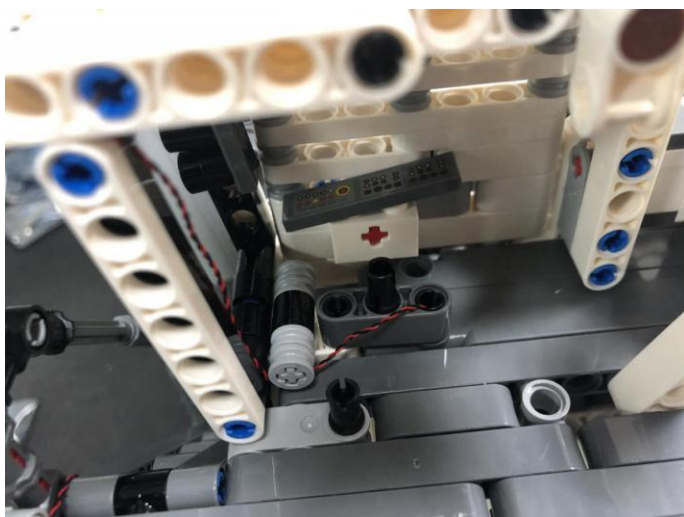
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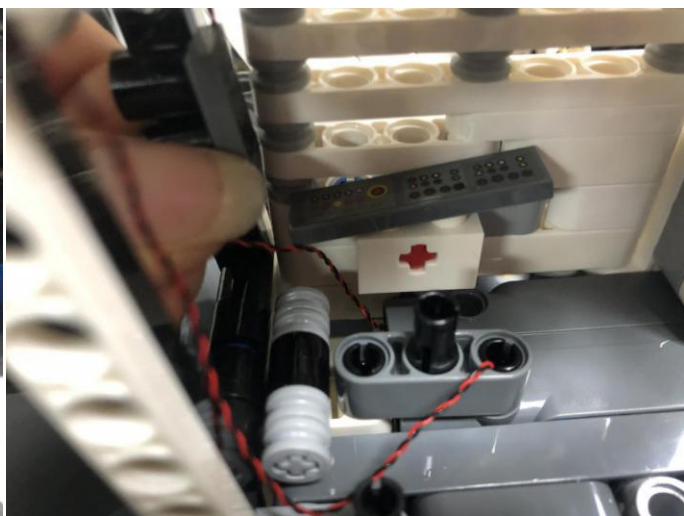
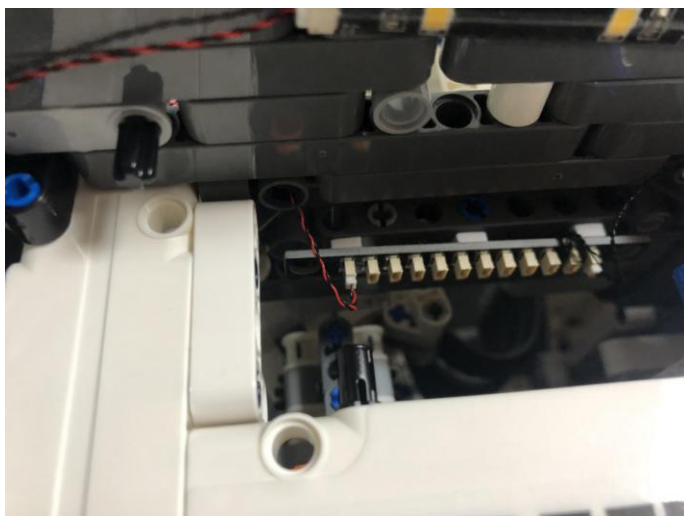
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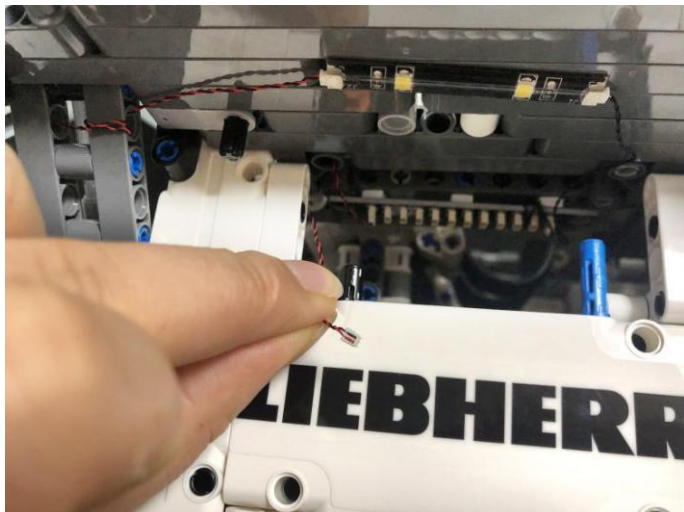
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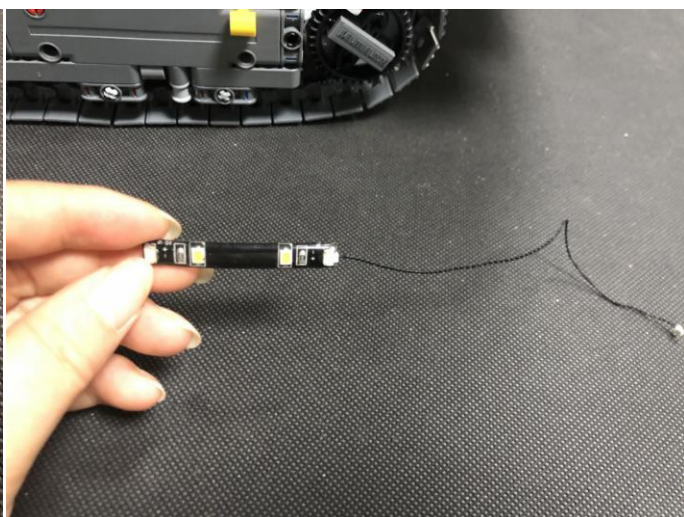
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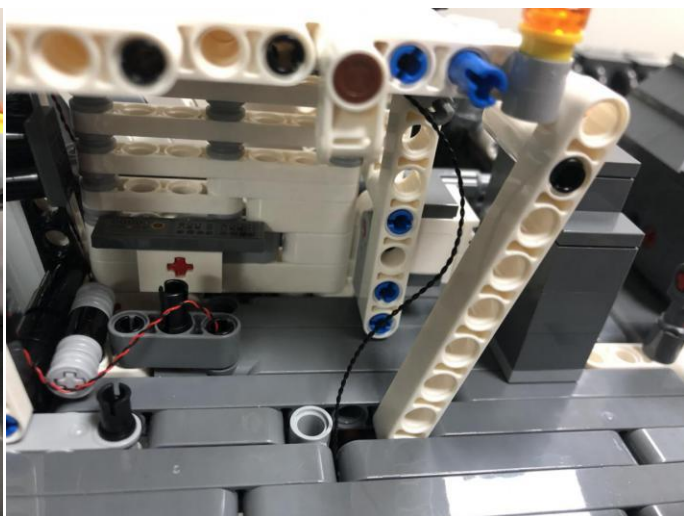
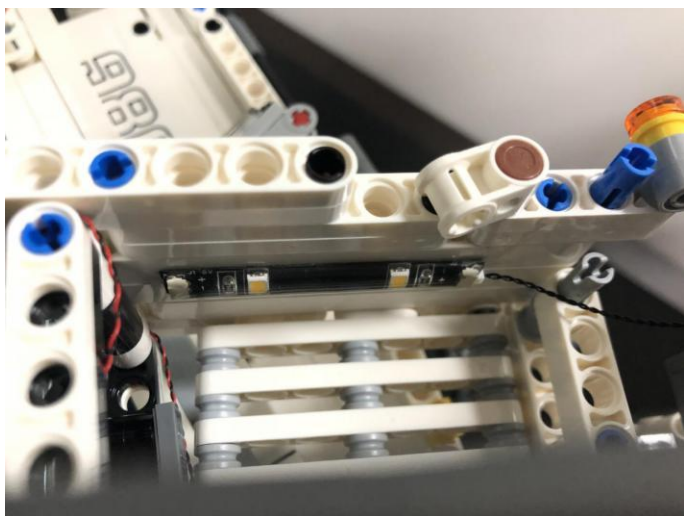
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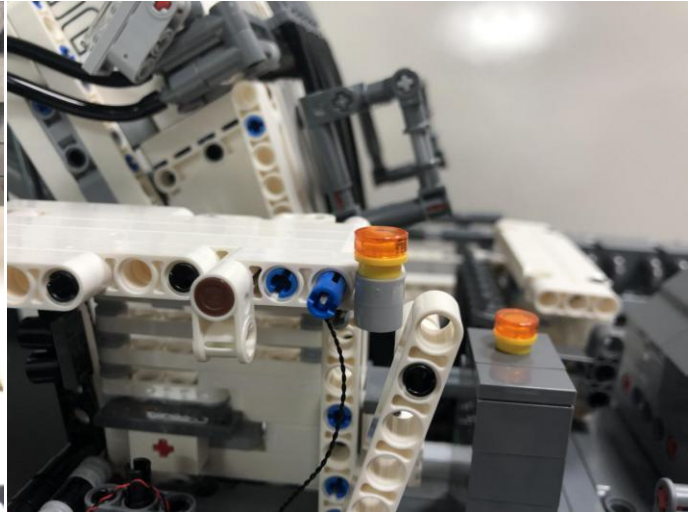
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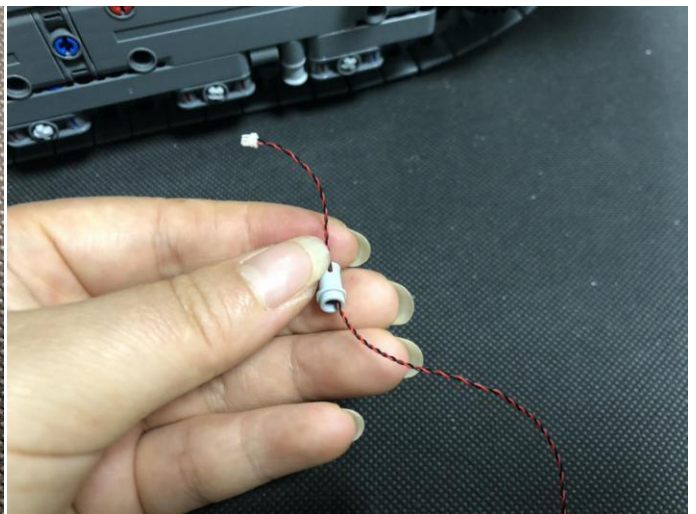
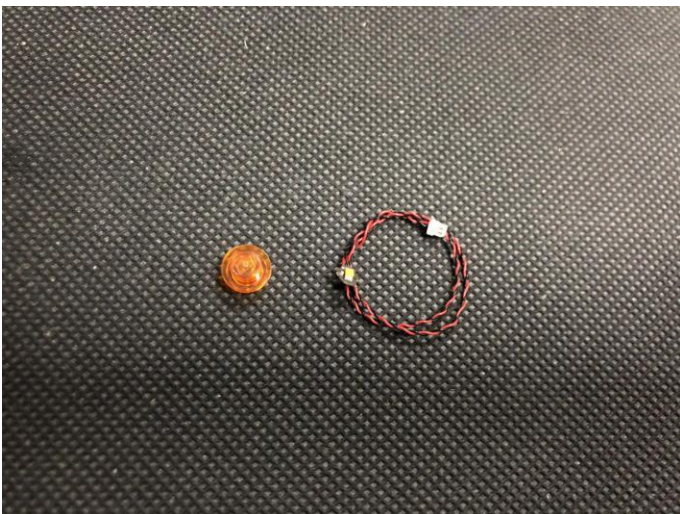
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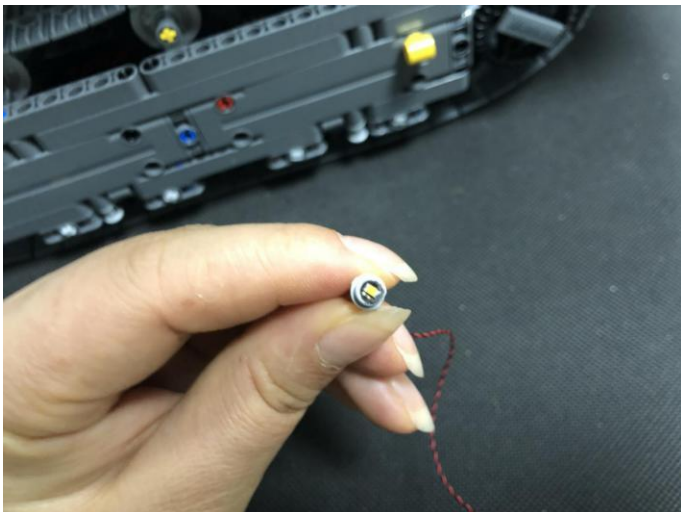
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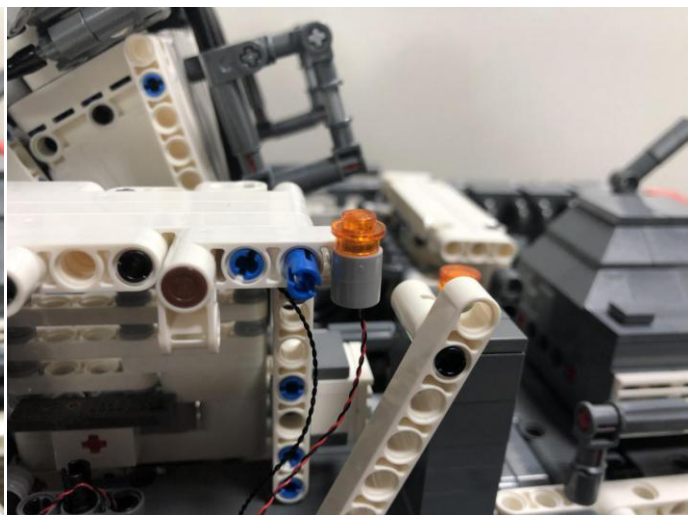
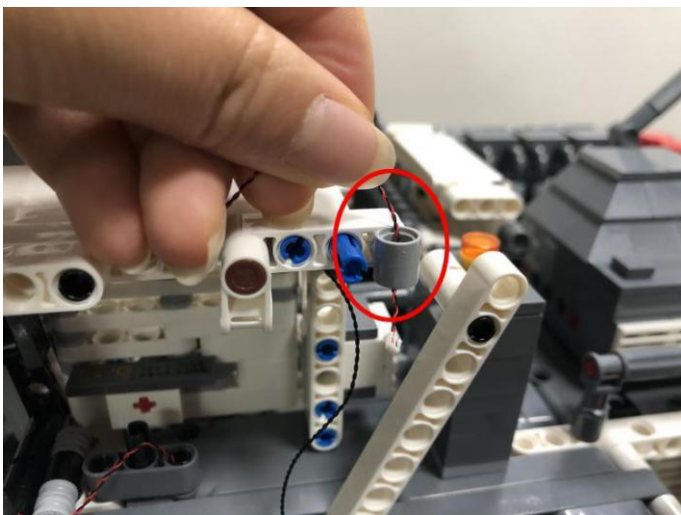
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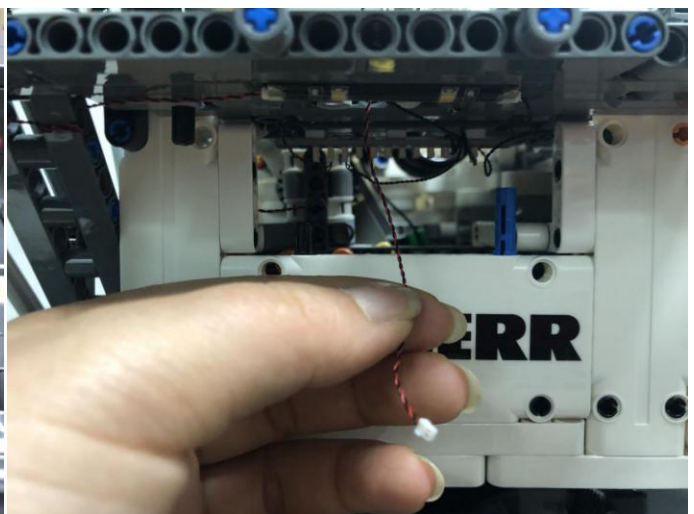
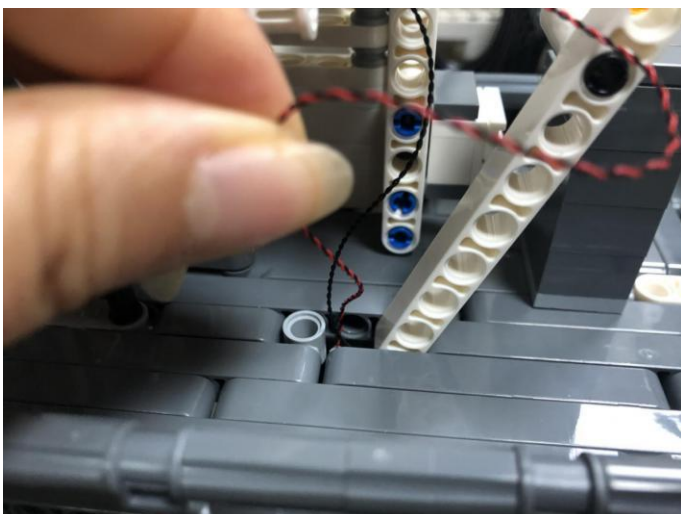
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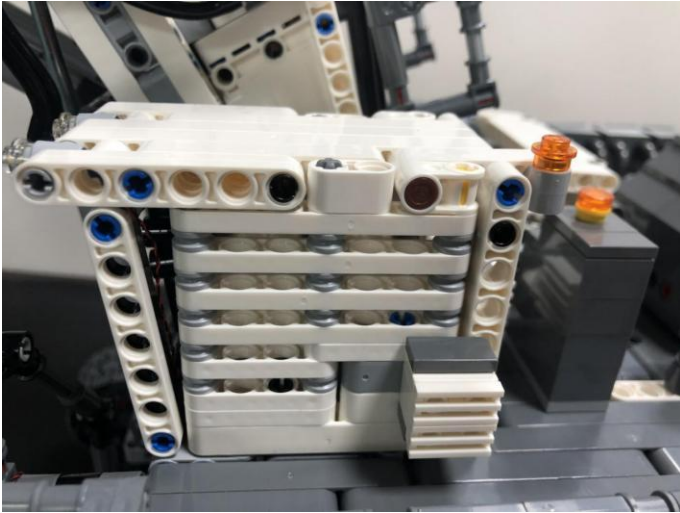
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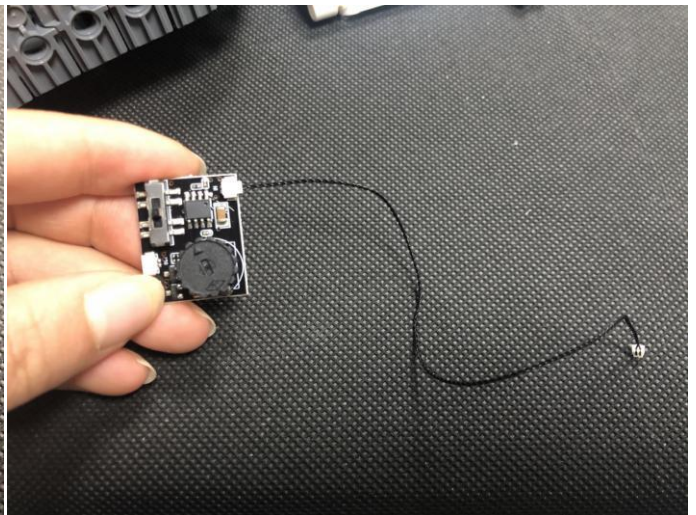
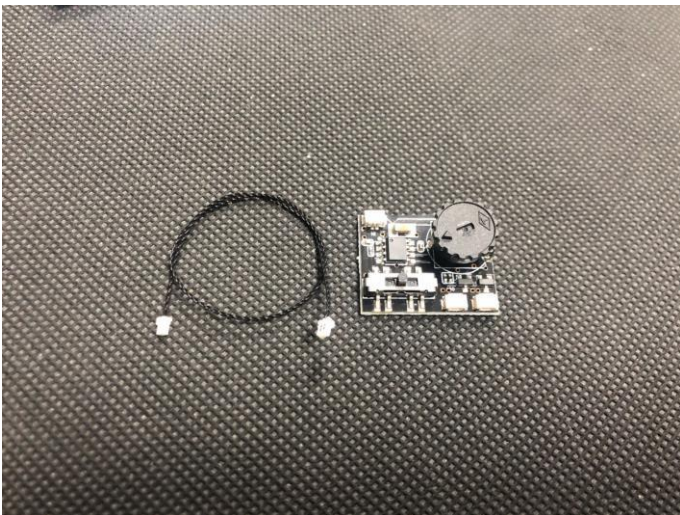
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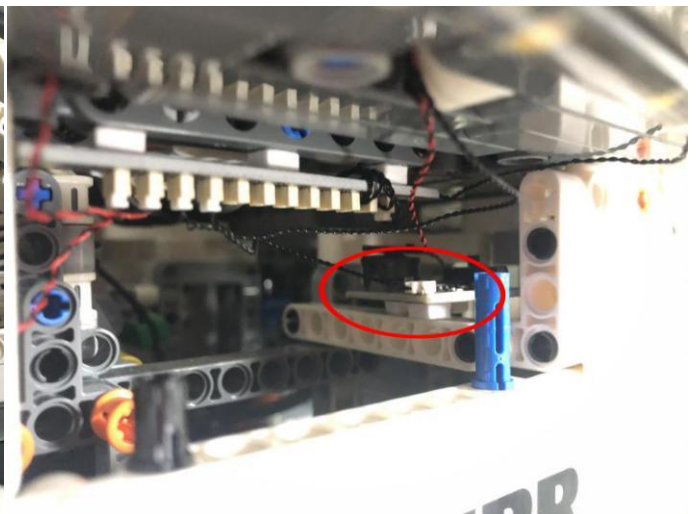
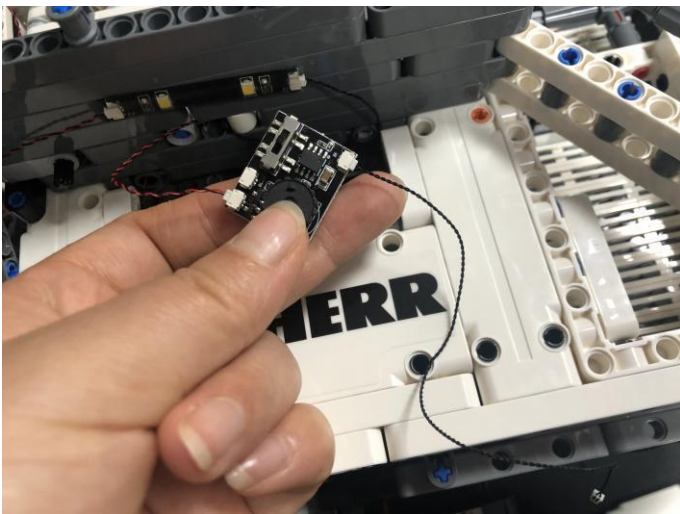
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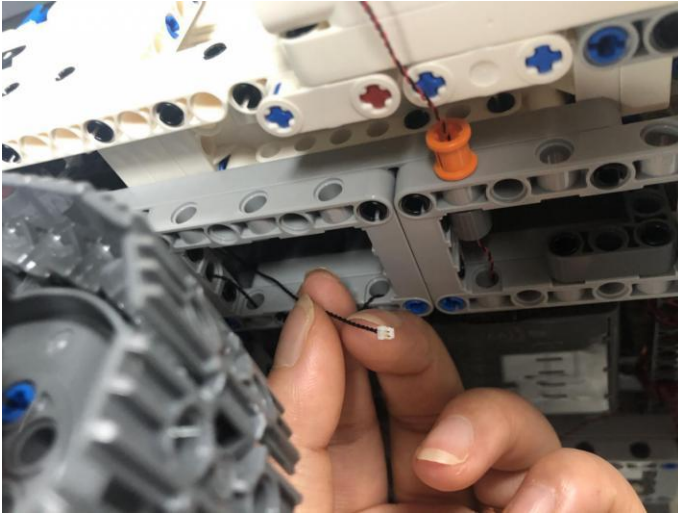
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Remote control function description

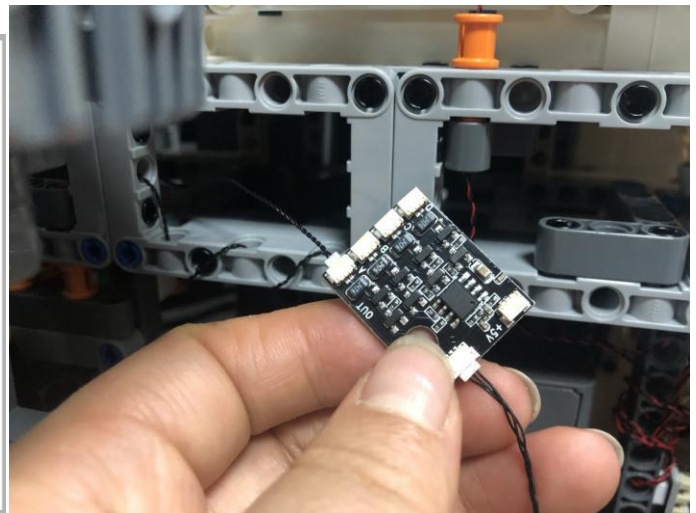


ON: All branches are opened
OFF: all branches are closed
A: open/close A road
B: open/close B road
C: open/close C road
D: open/close D road

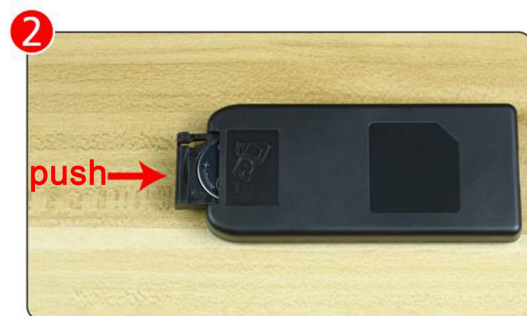
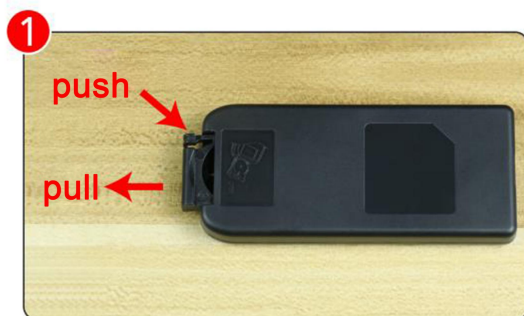
FS: Turn on blinking for the last open channel
BLN: Start breathing for the last opened path

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

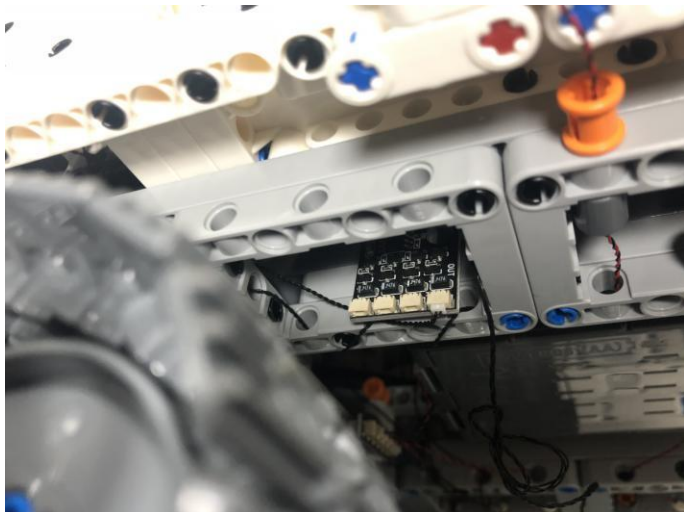
Brightness+: Increase brightness
Brightness -: Reduce brightness



The remote control does not contain batteries, please buy a CR2025 or CR2032 button battery in the nearest store and install it in the remote control.



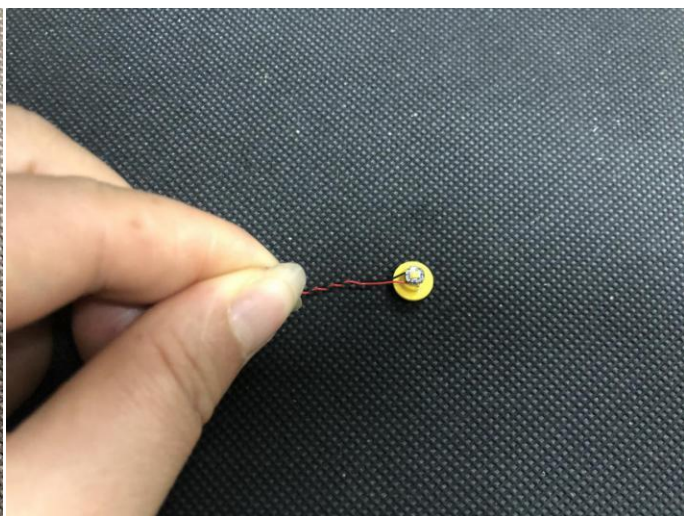
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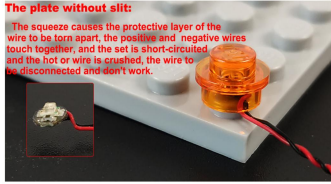
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Tips

The plate without slit:

The plate without slit:

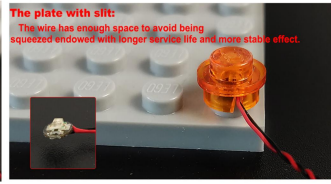
The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot wire is crushed, the wire to be disconnected and don't work.



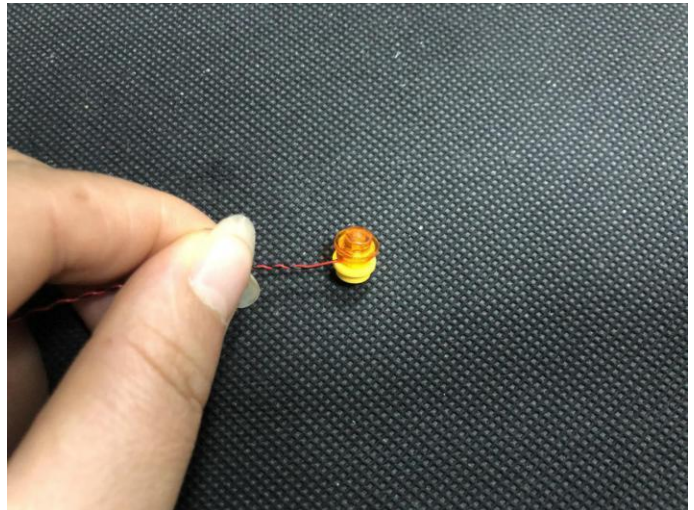
The plate with slit:

The plate with slit:

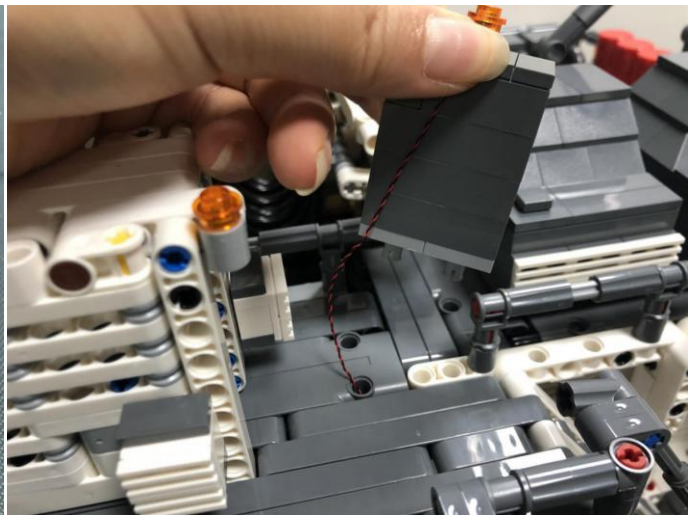
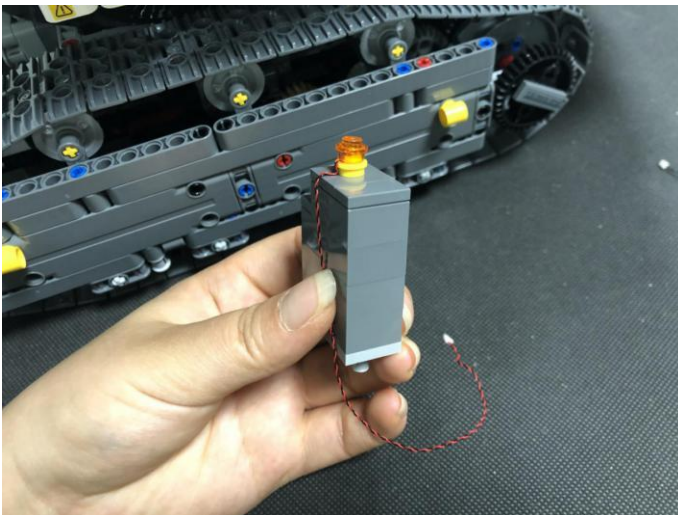
The wire has enough space to avoid being squeezed and avoid longer service life and more stable effect.



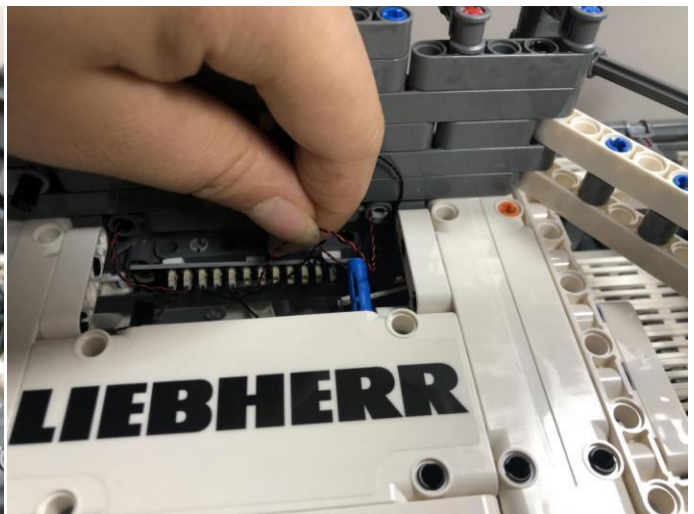
The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.



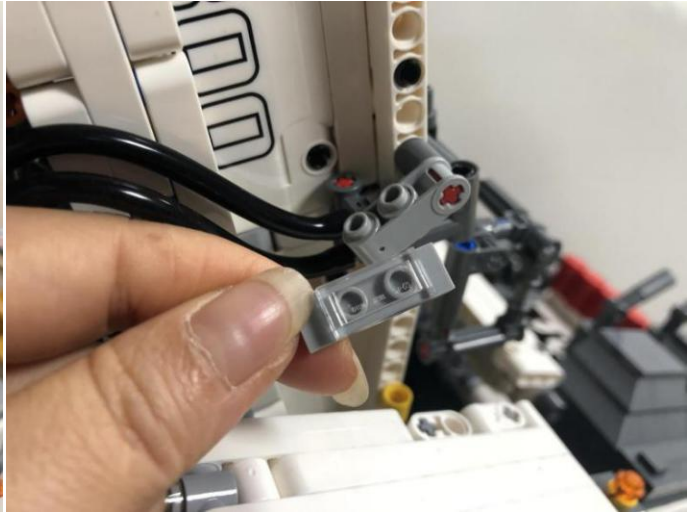
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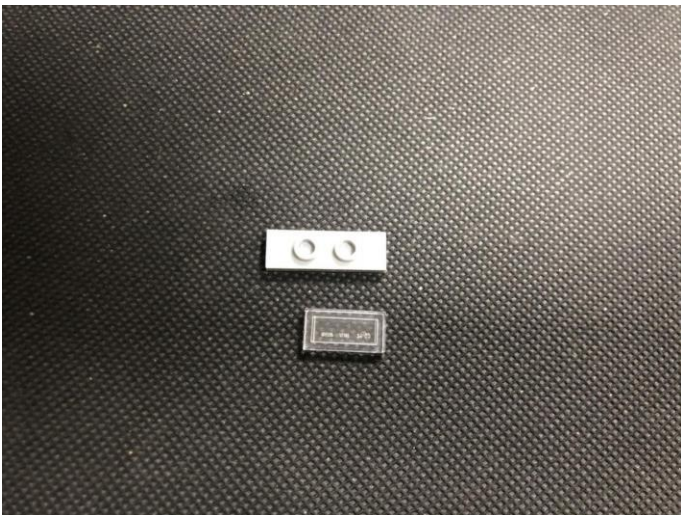
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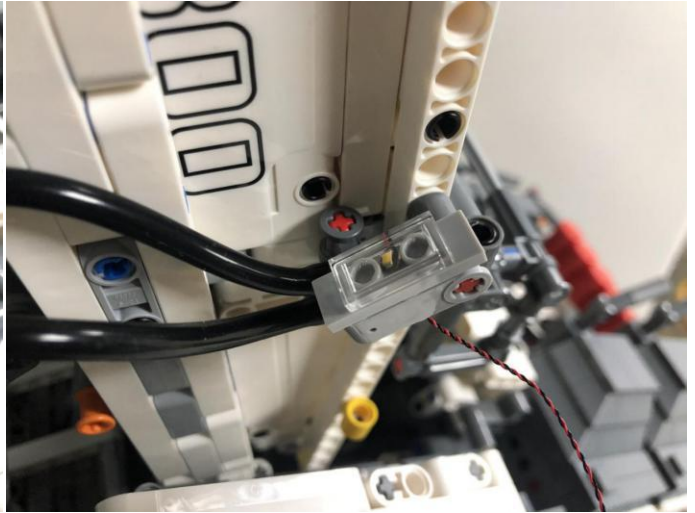
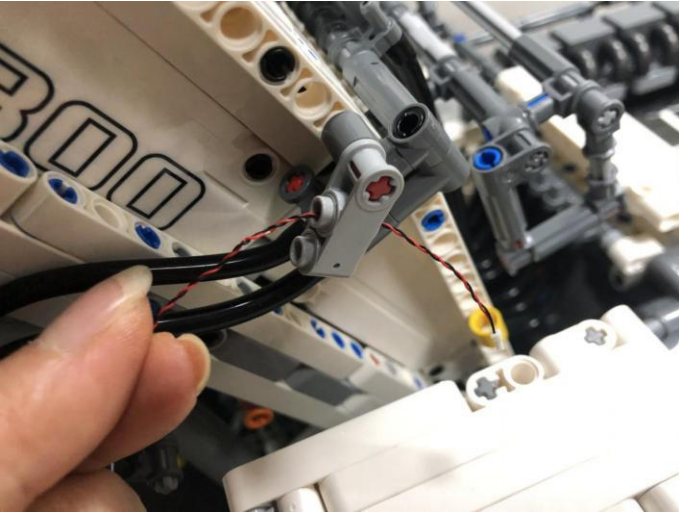
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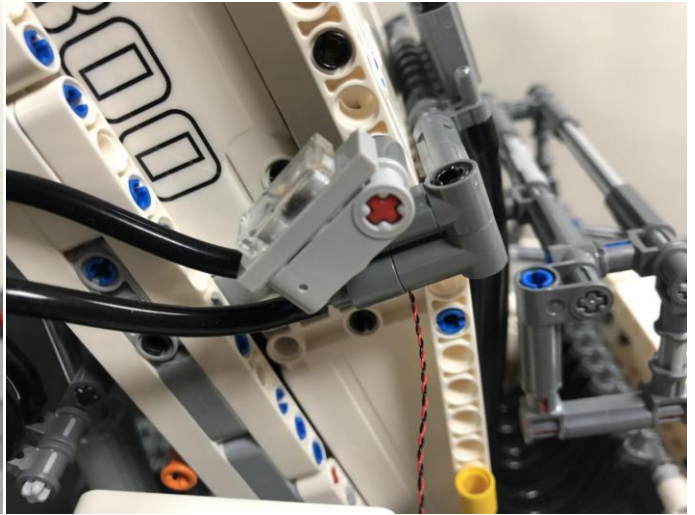
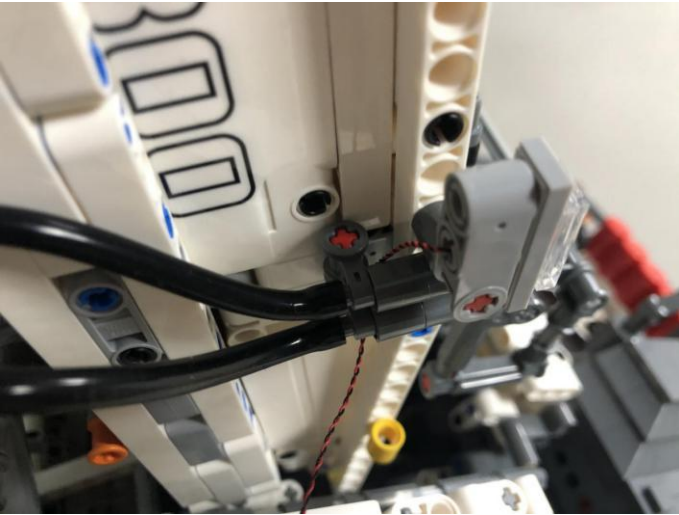
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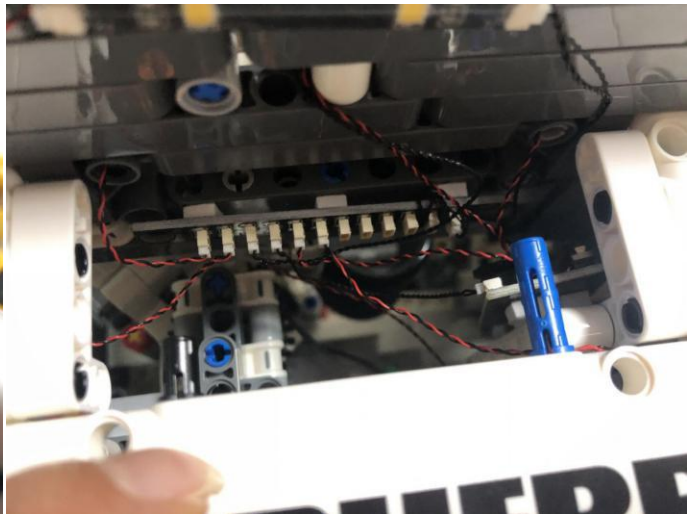
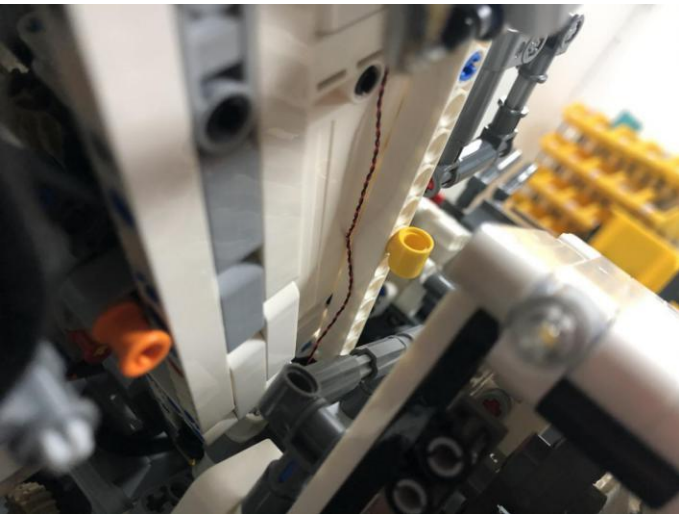
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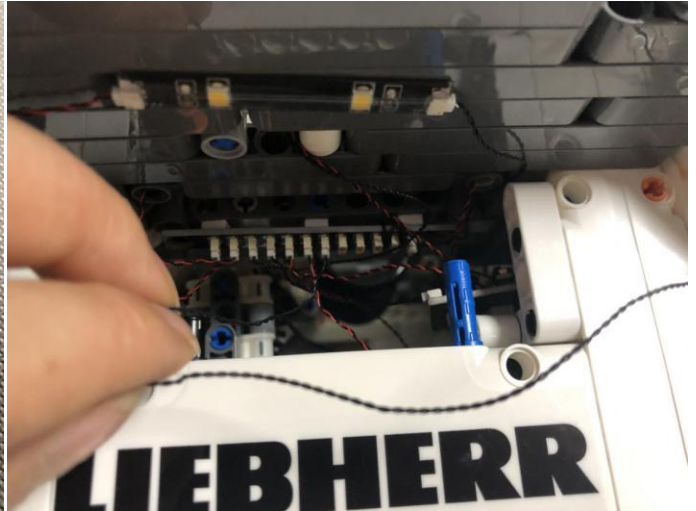
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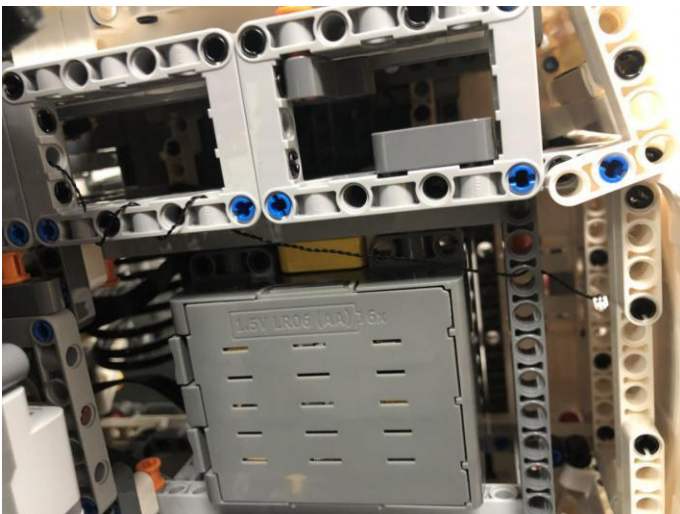
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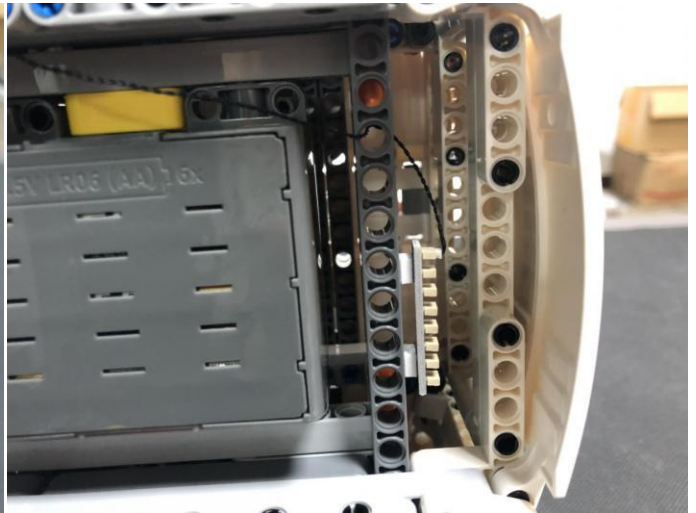
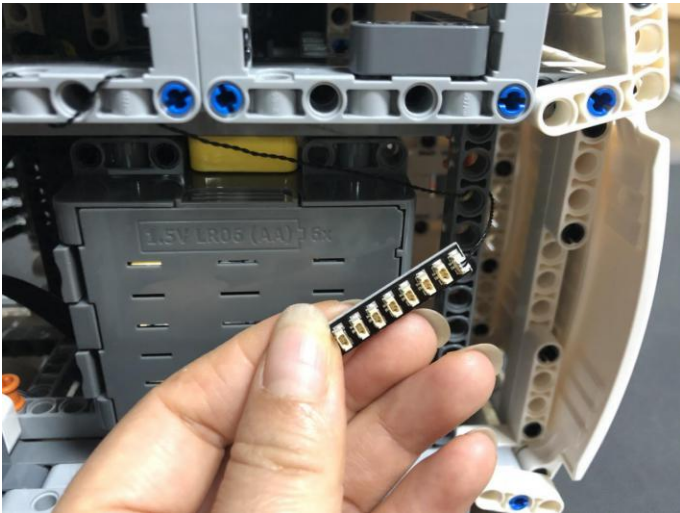
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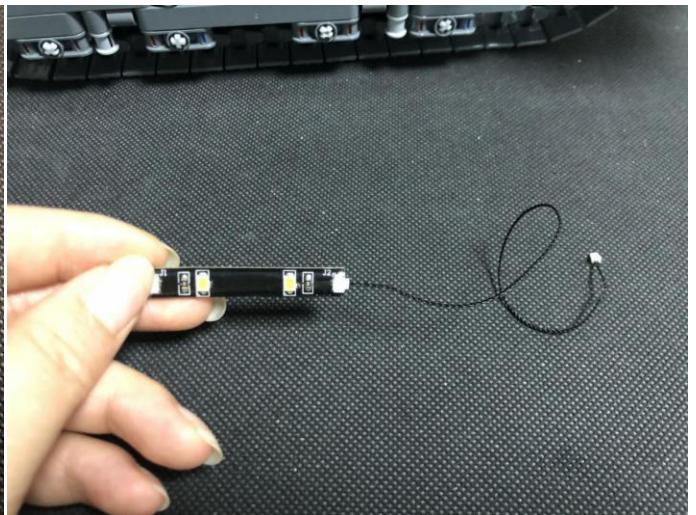
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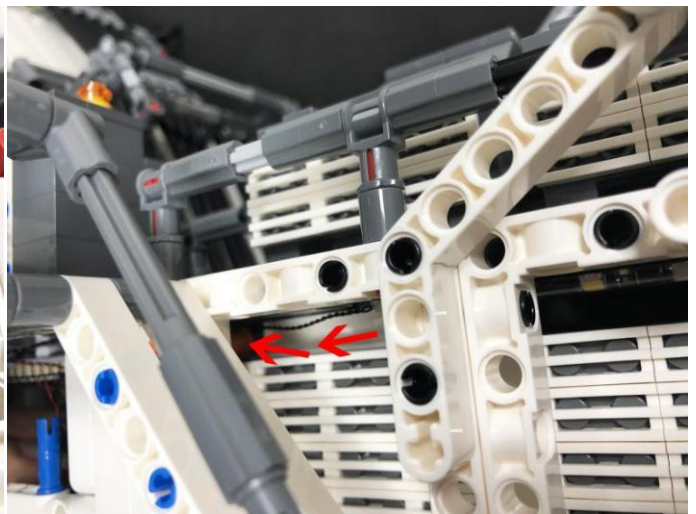
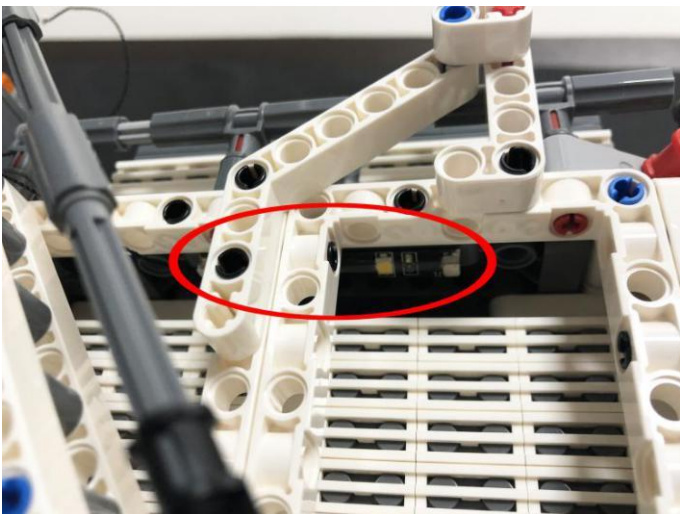
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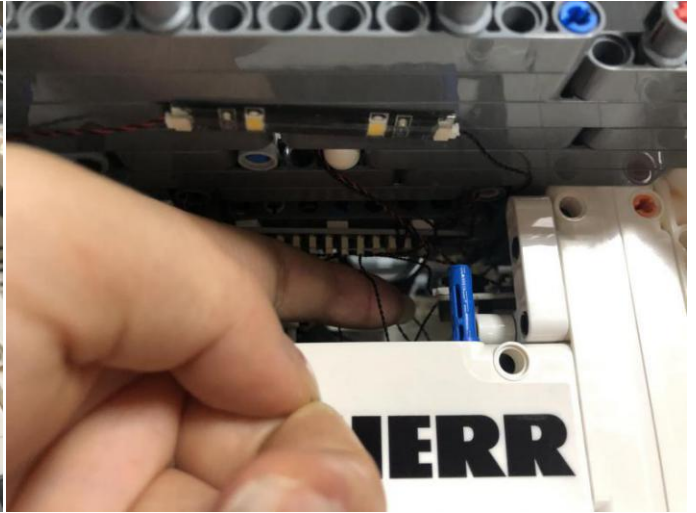
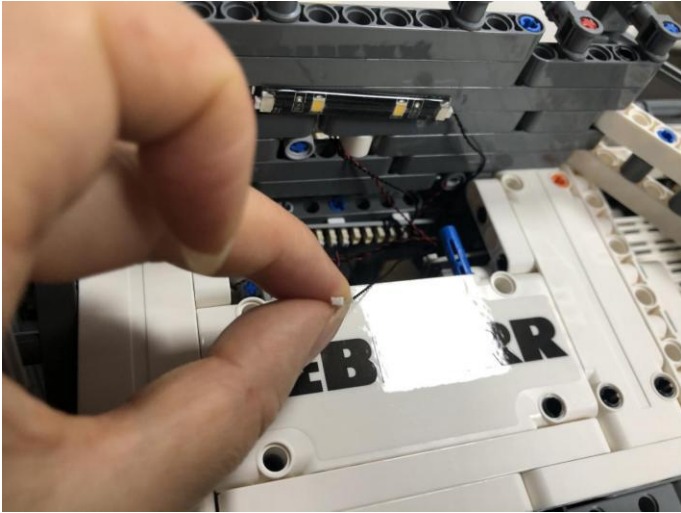
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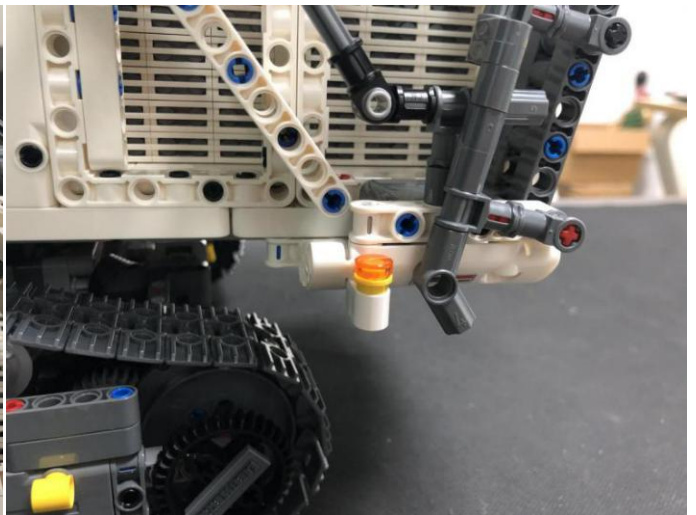
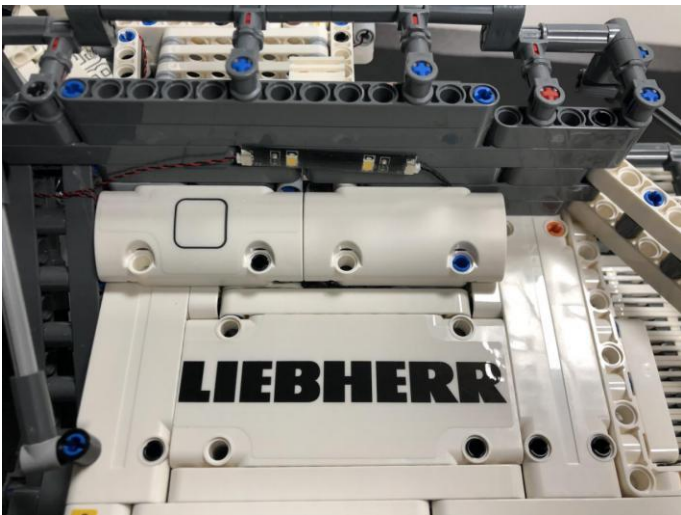
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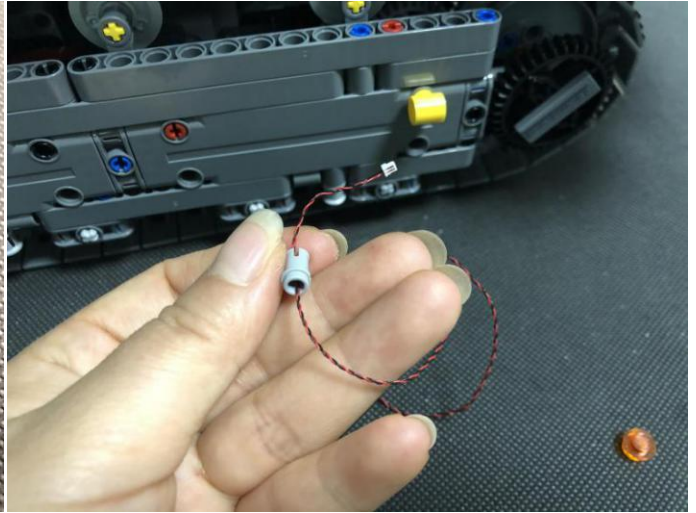
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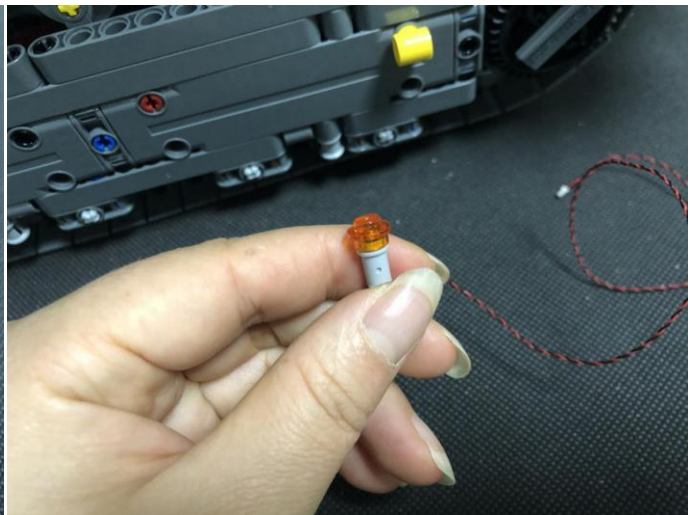
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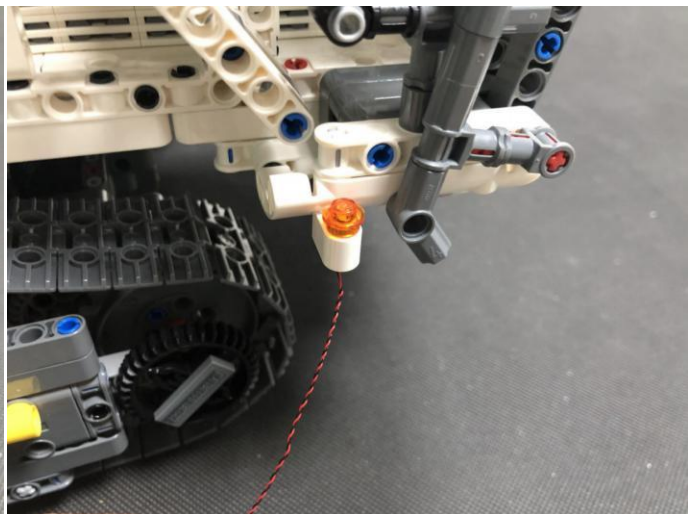
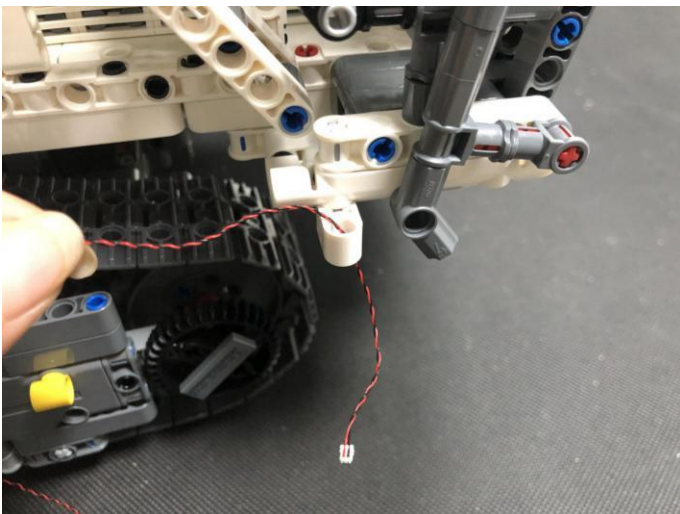
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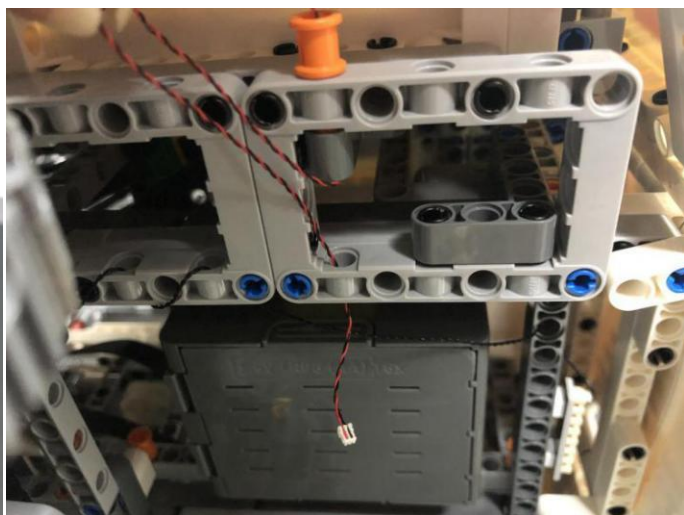
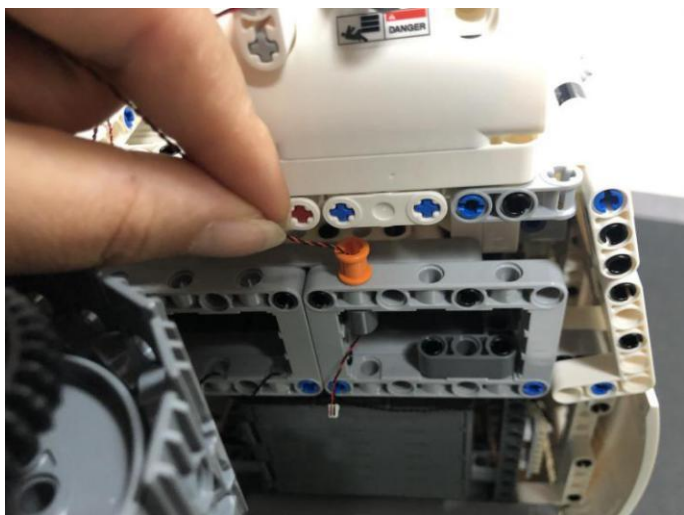
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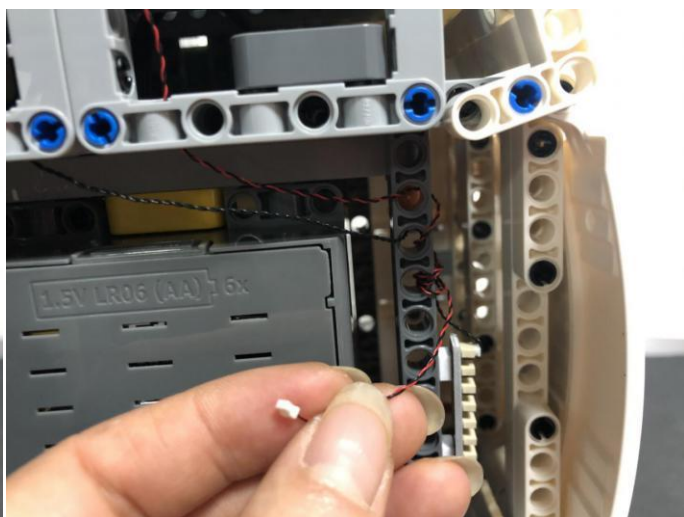
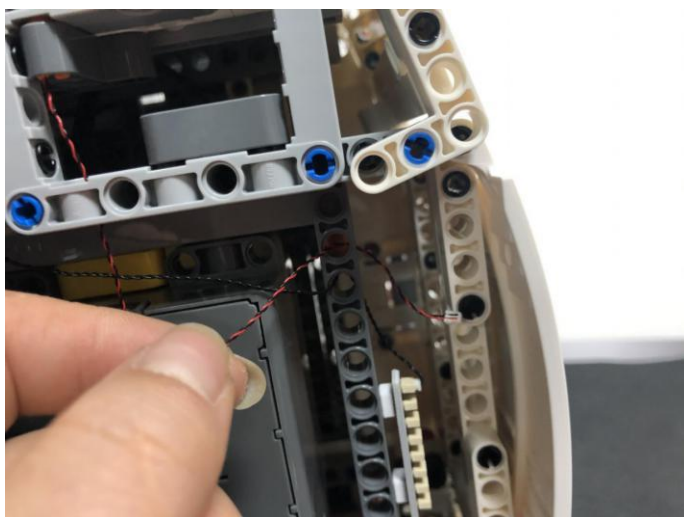
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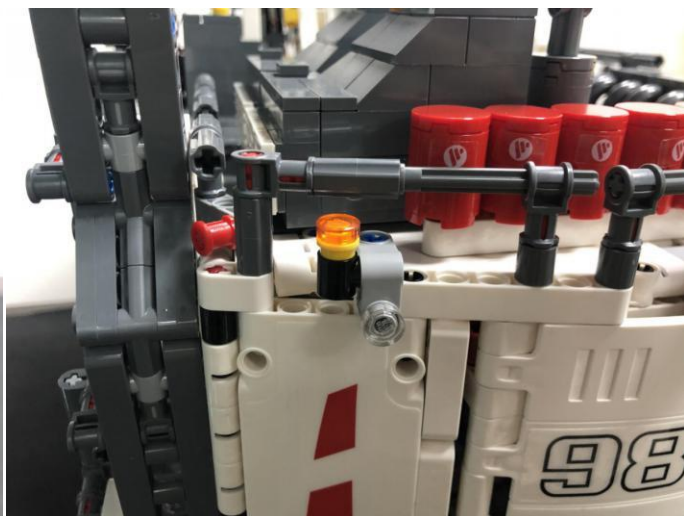
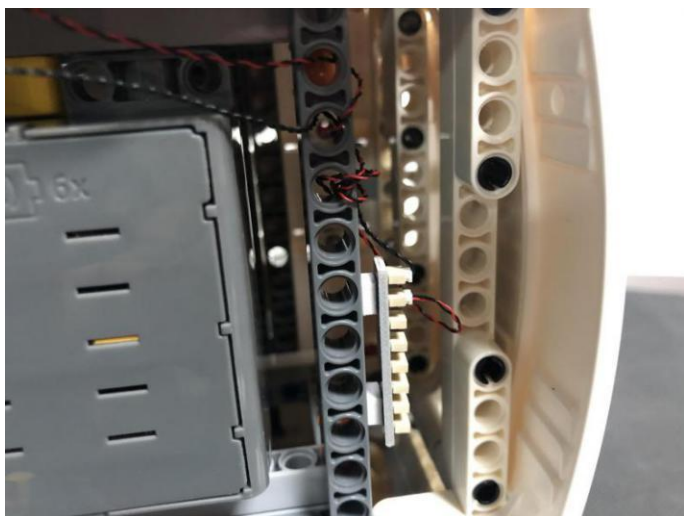
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62



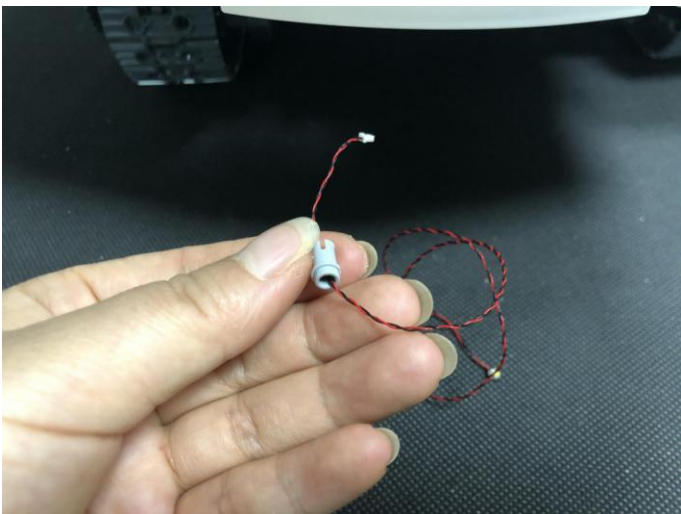
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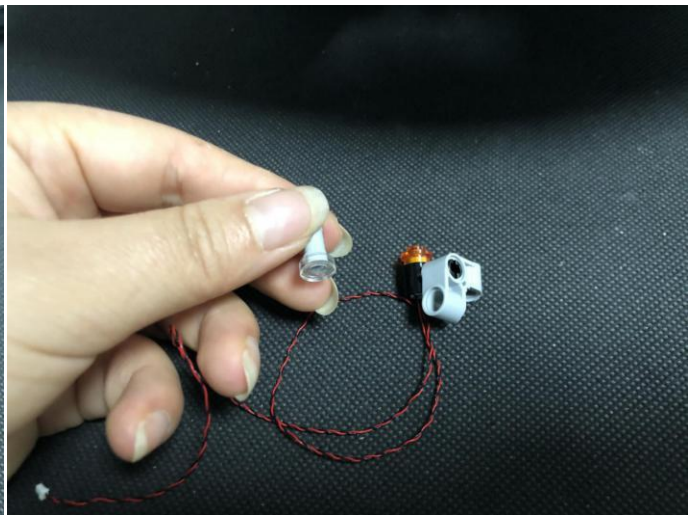
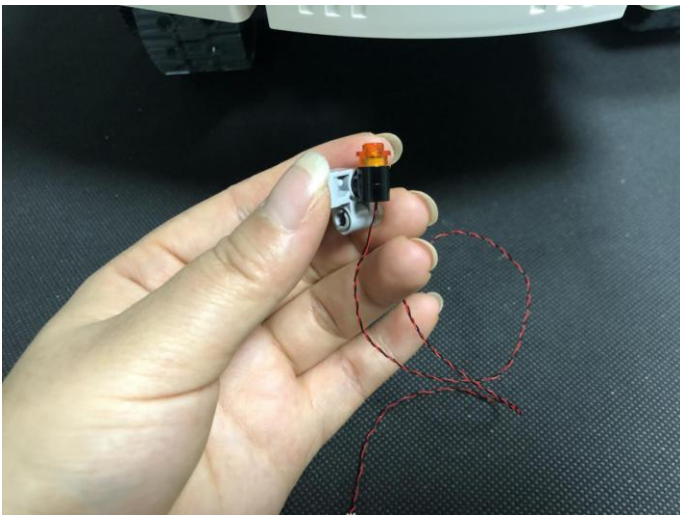
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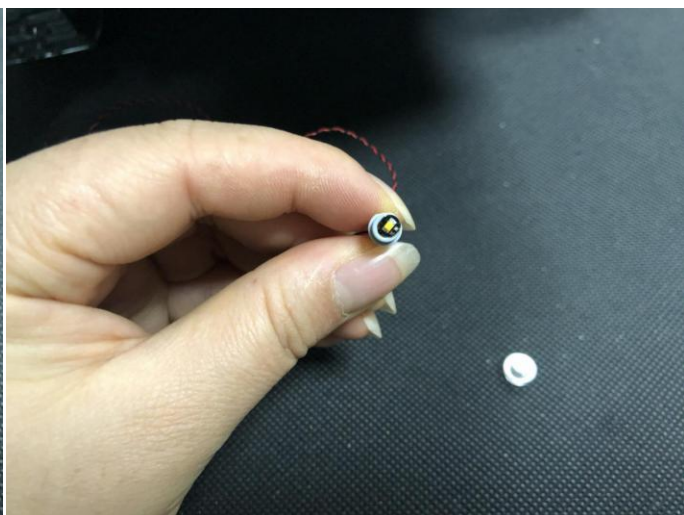
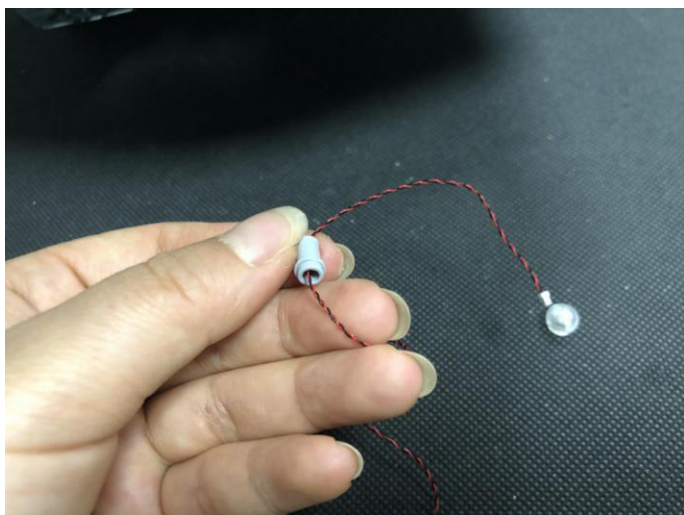
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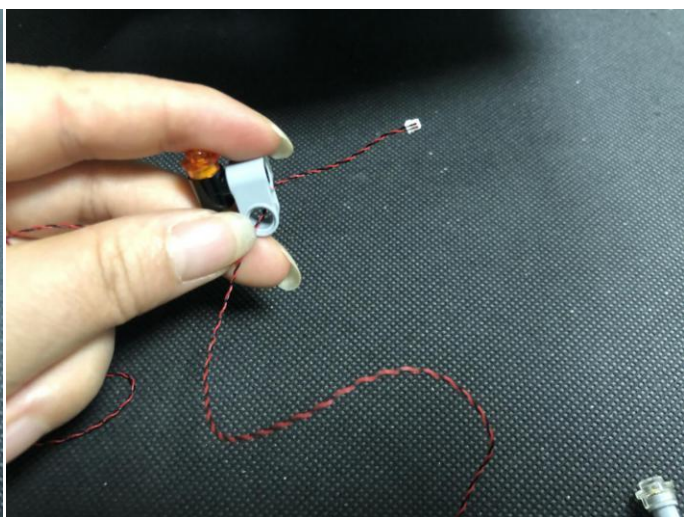
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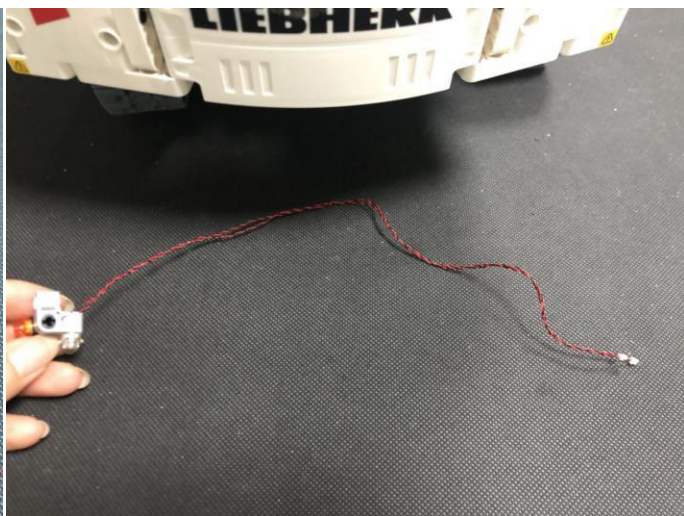
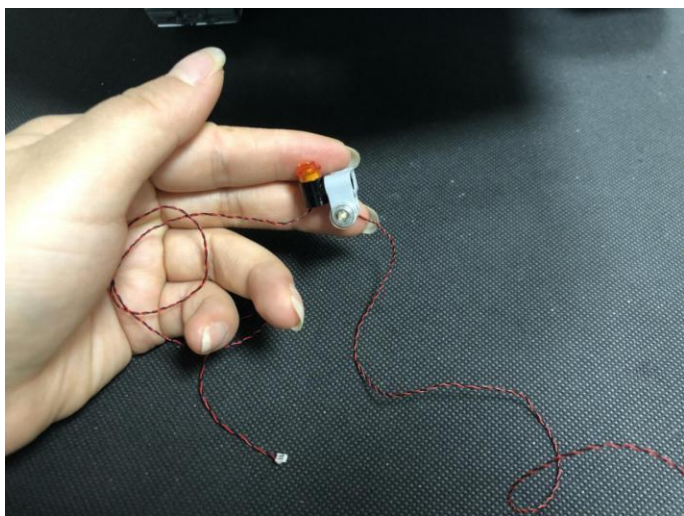
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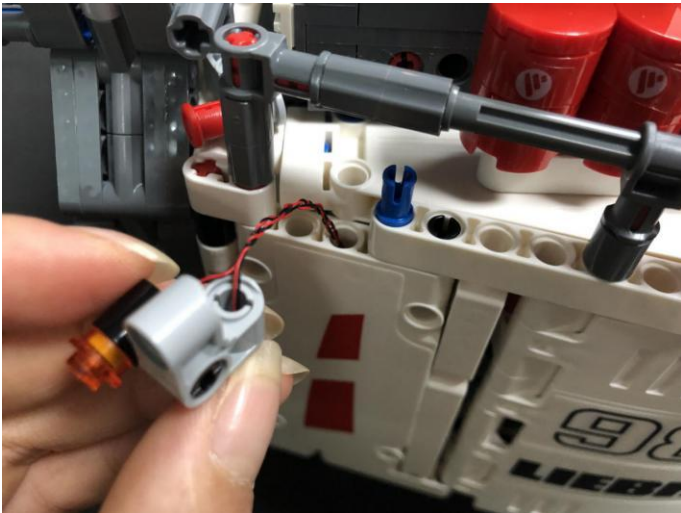
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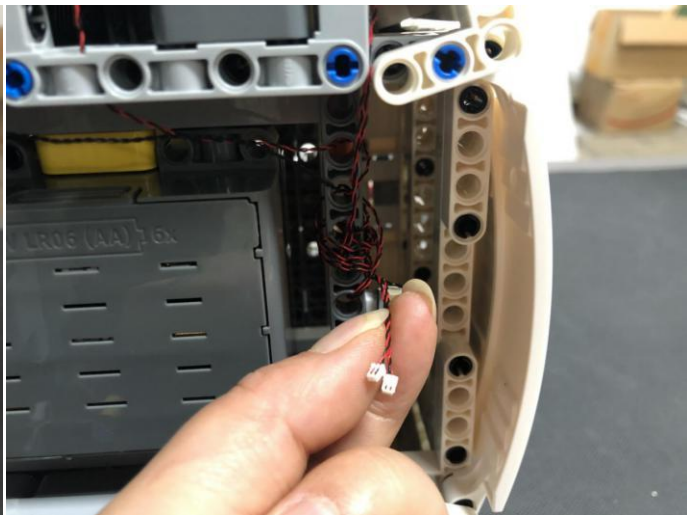
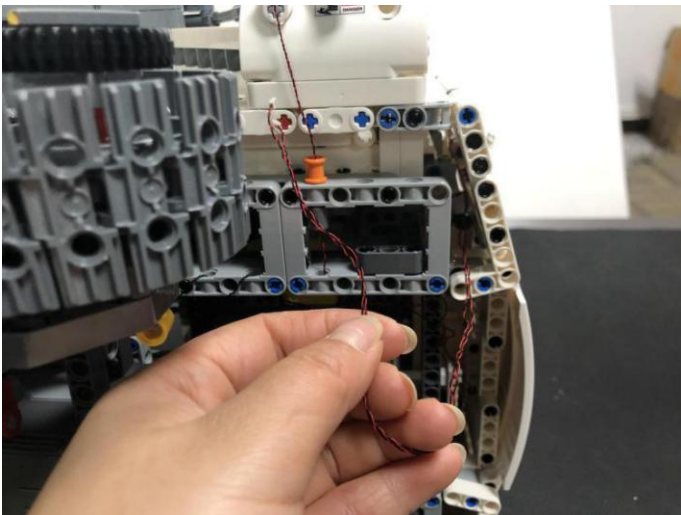
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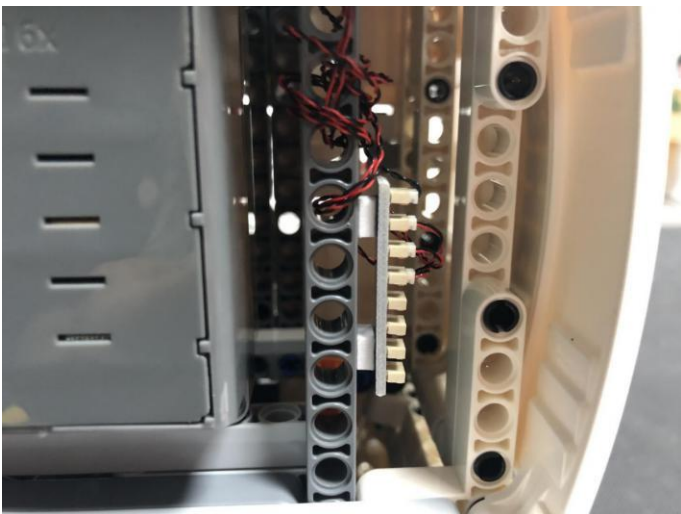
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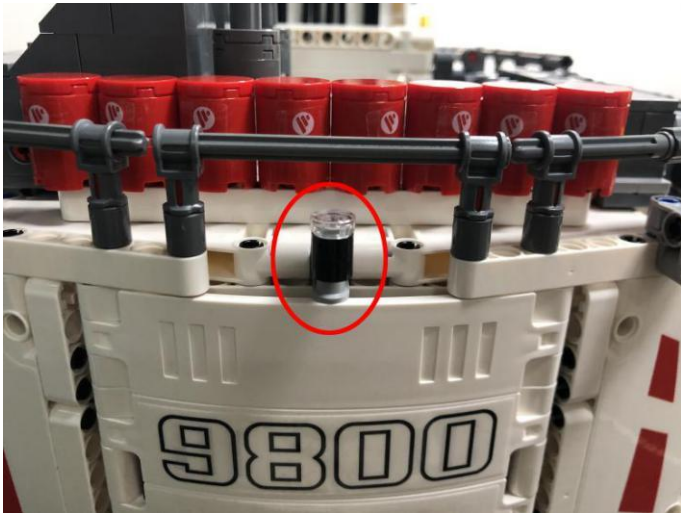
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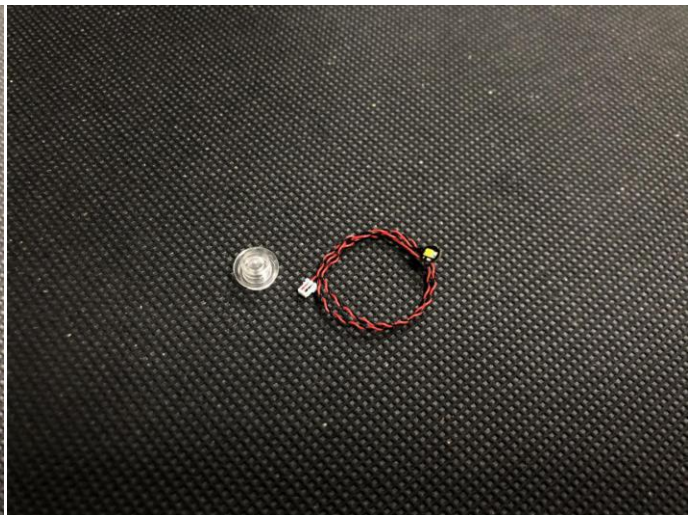
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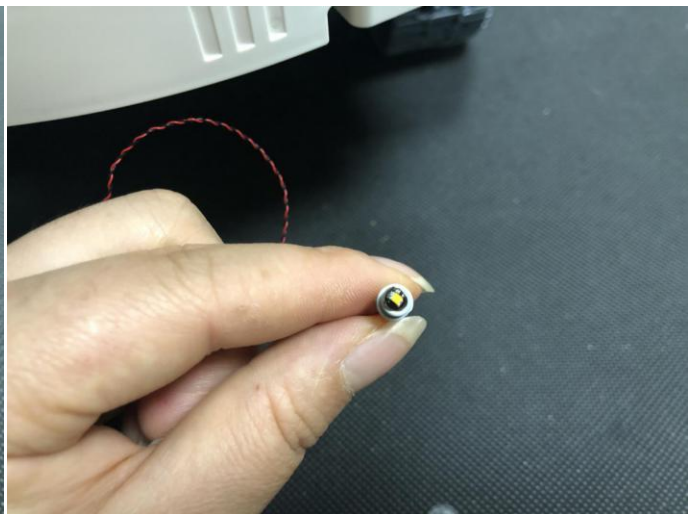
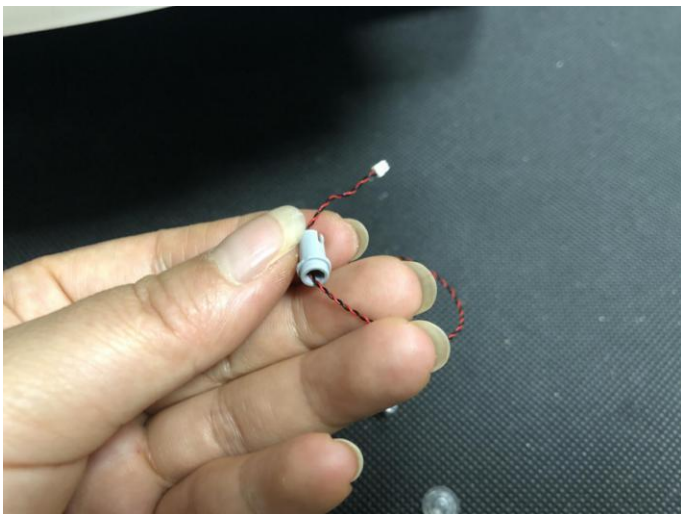
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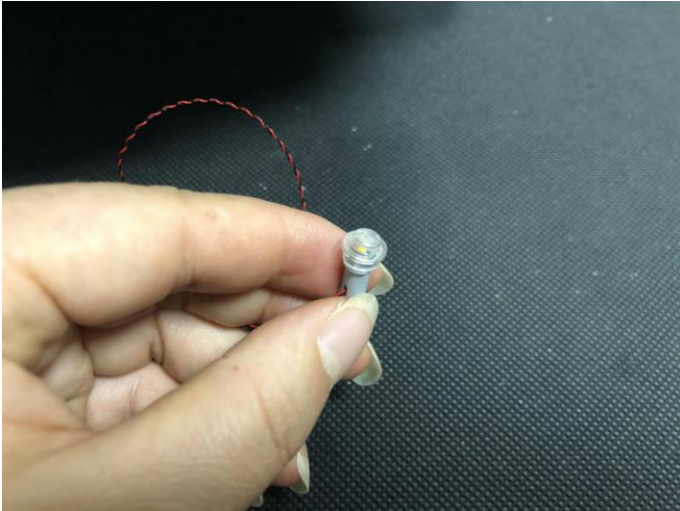
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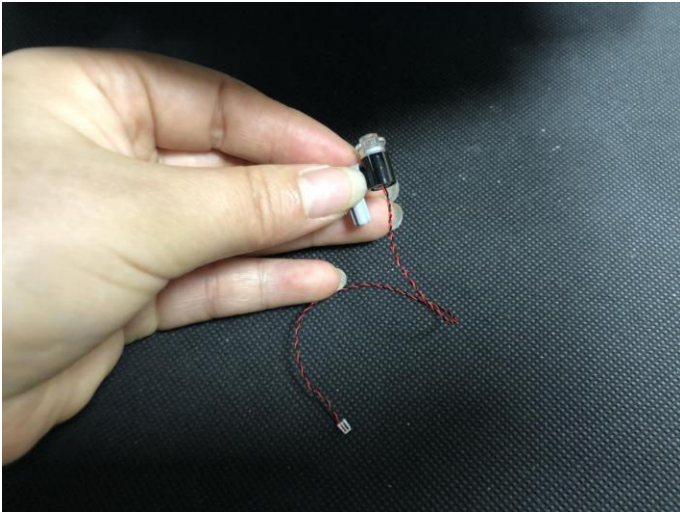
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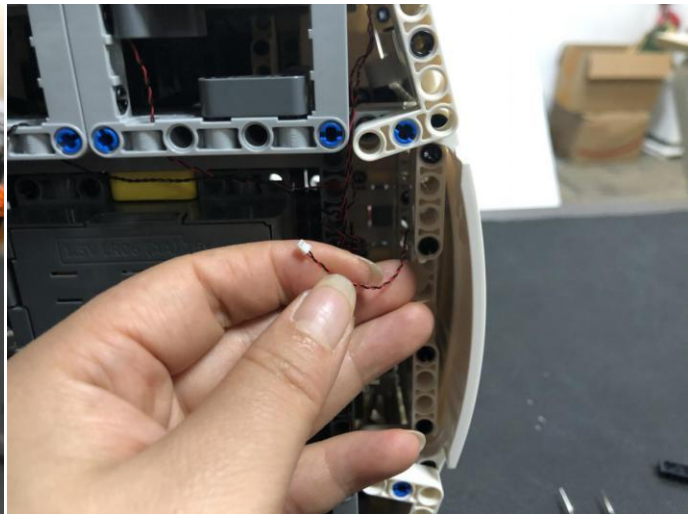
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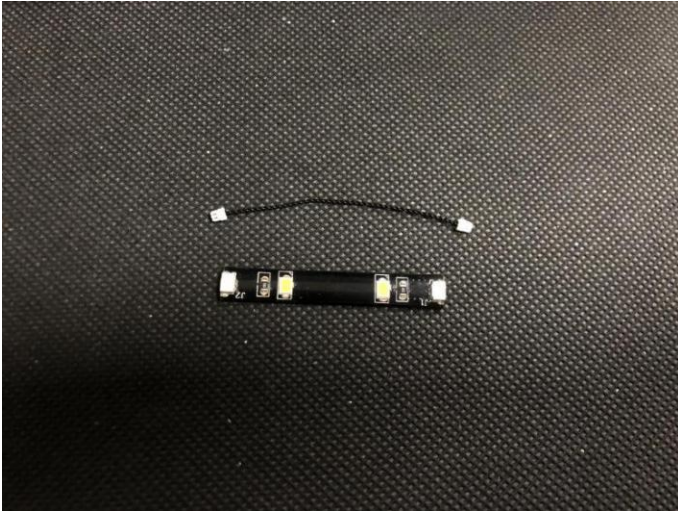
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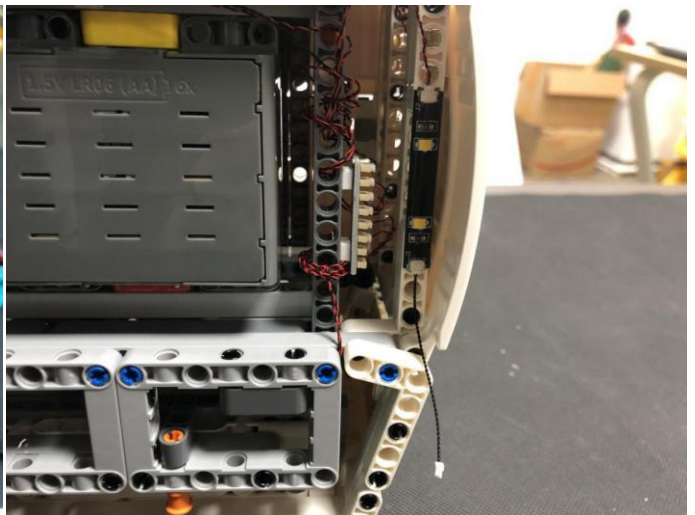
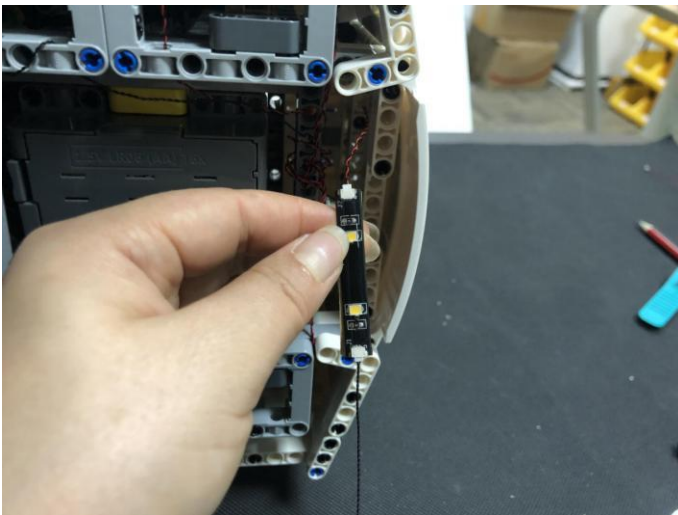
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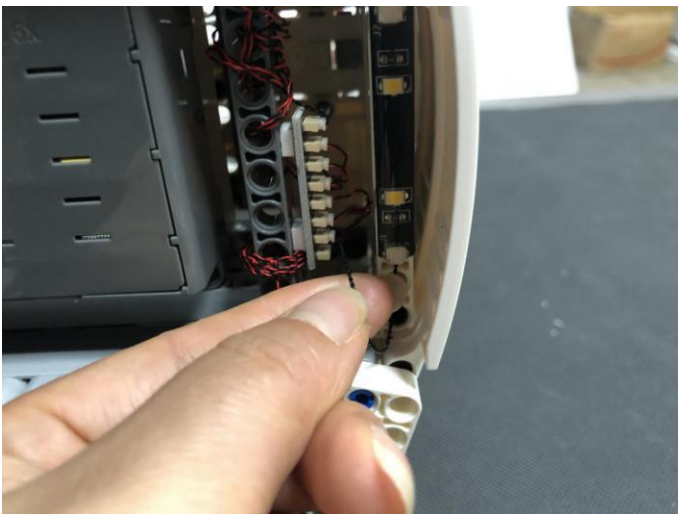
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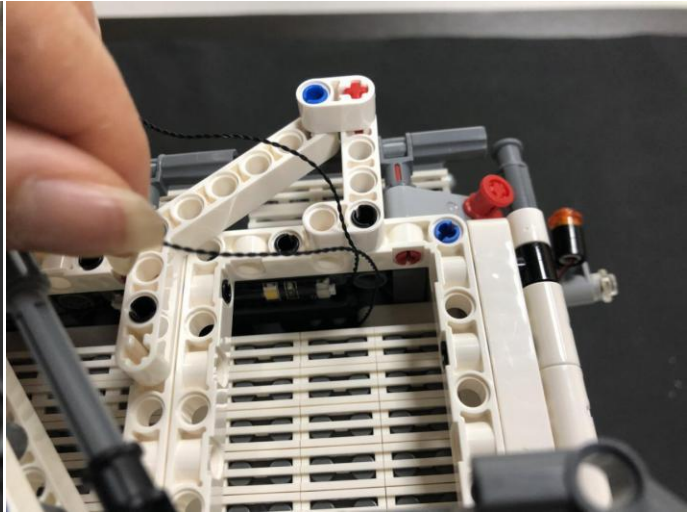
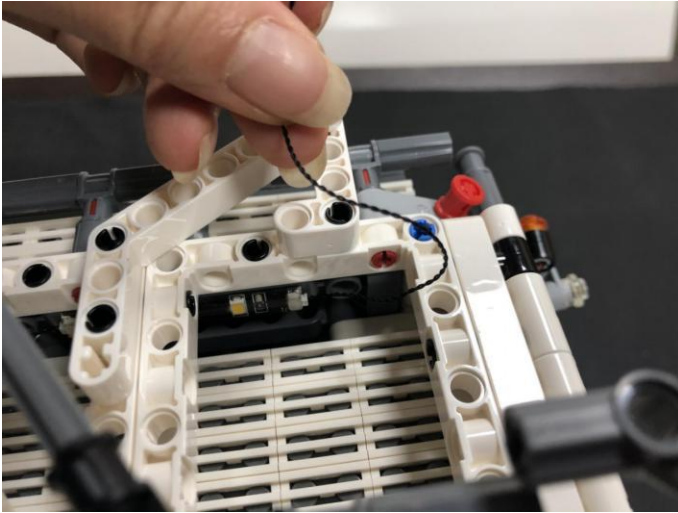
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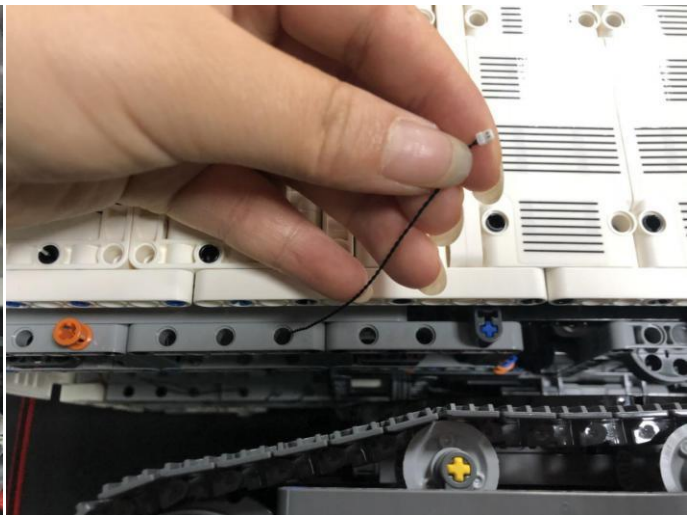
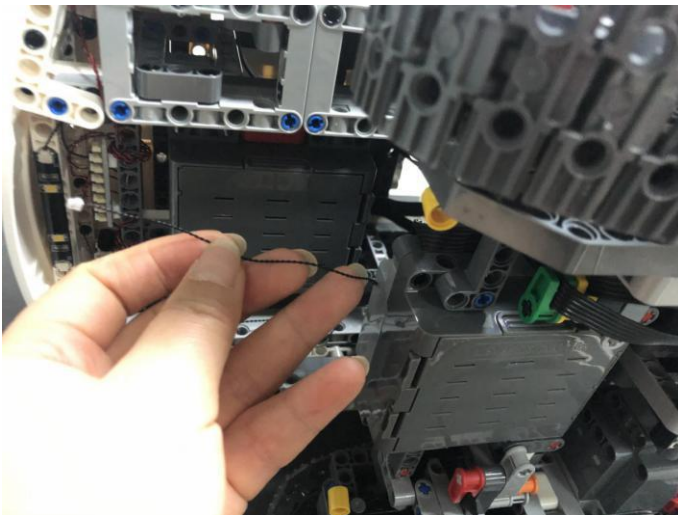
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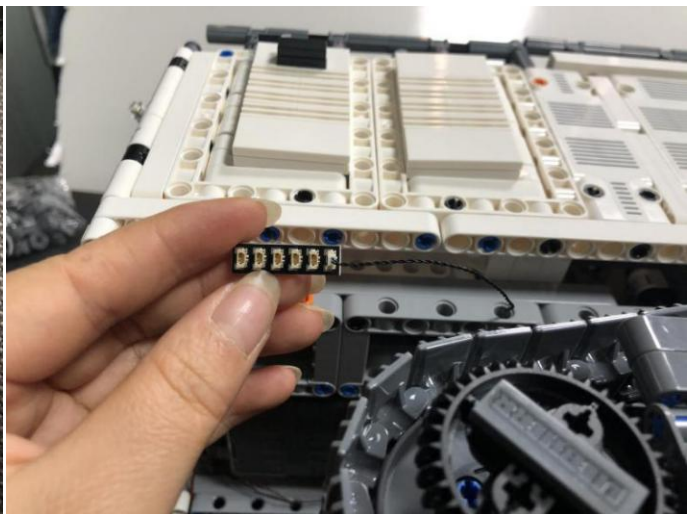
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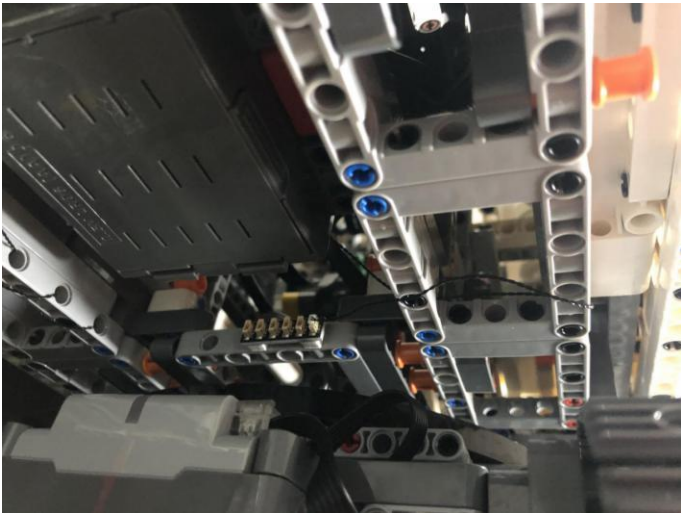
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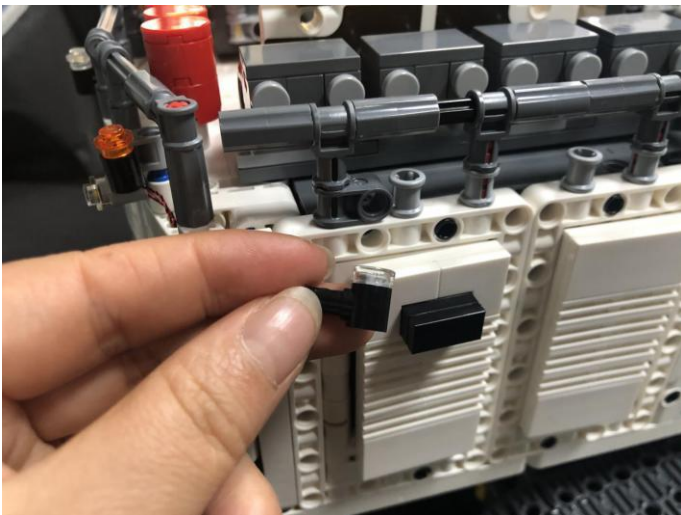
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87



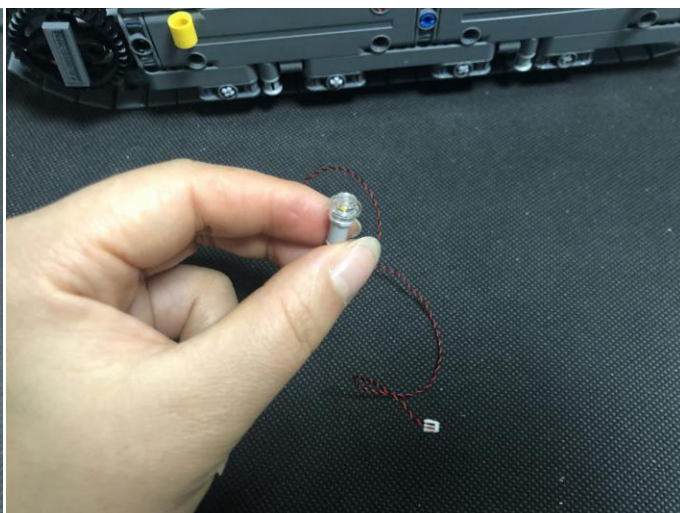
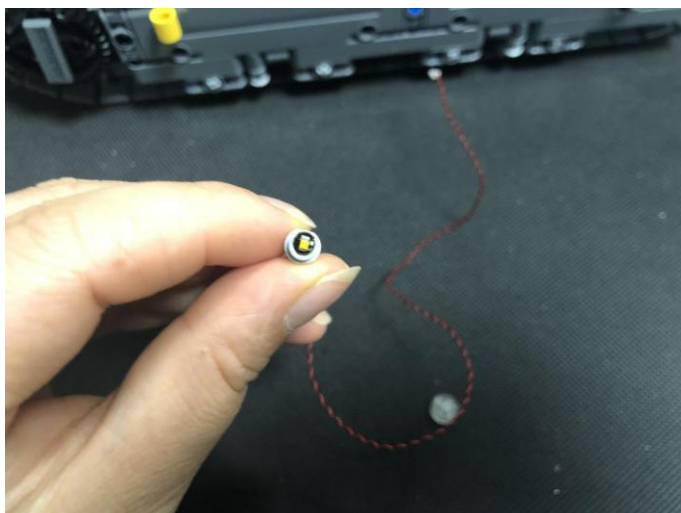
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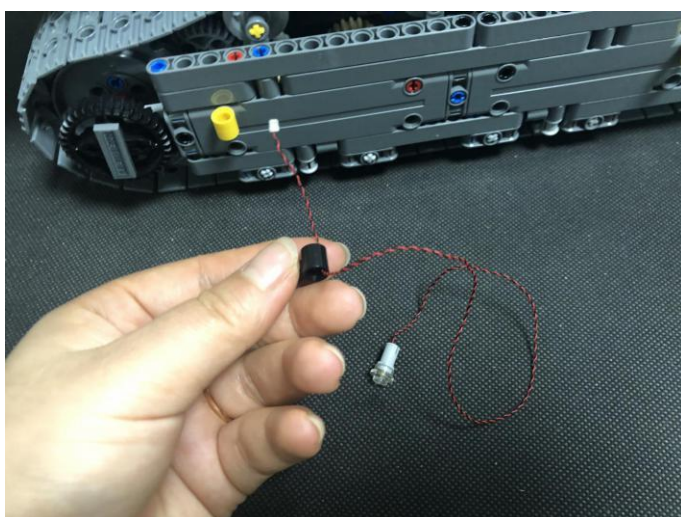
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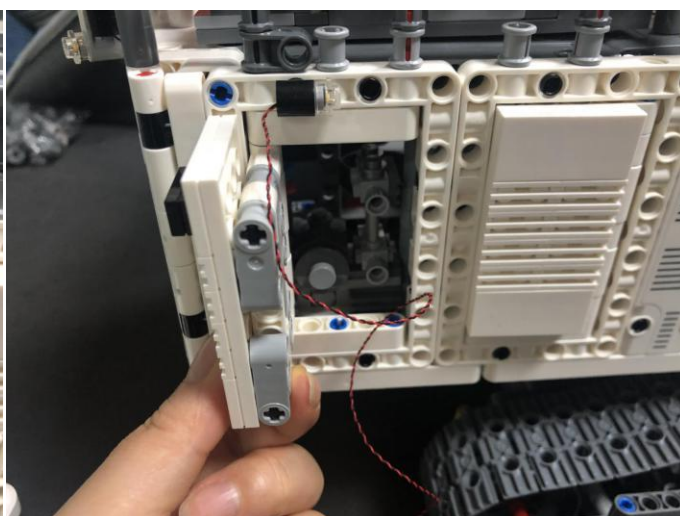
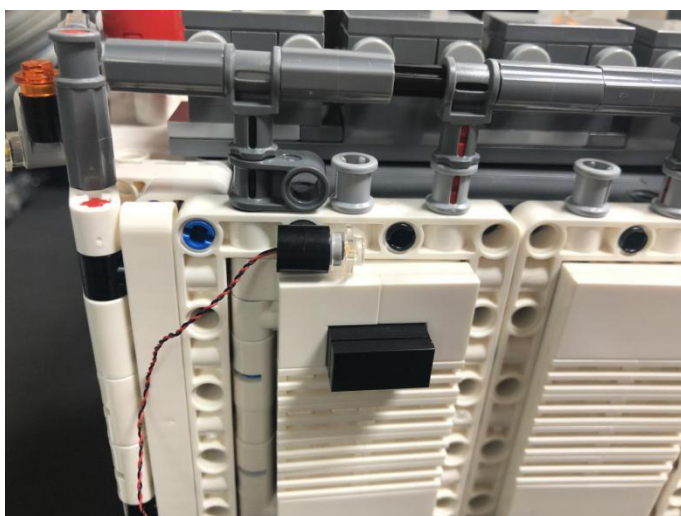
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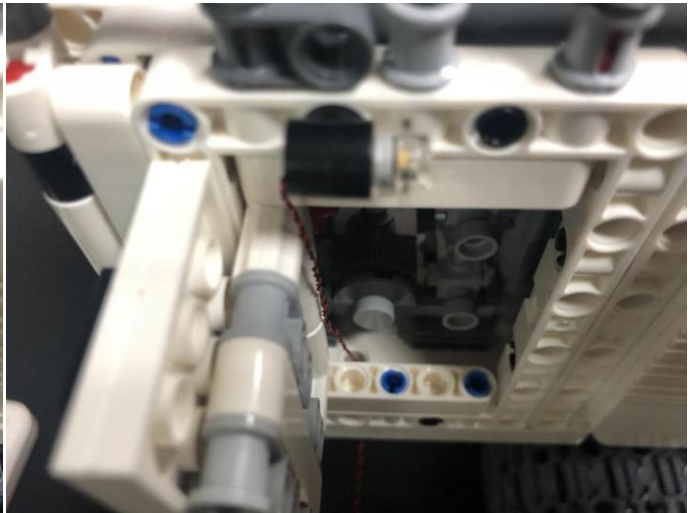
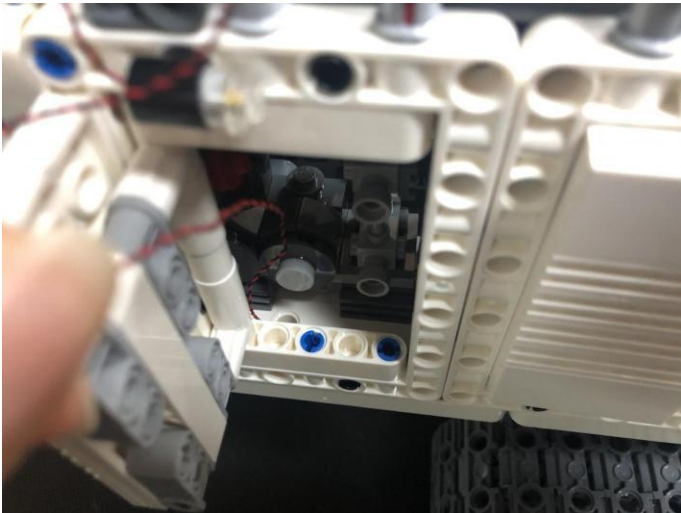
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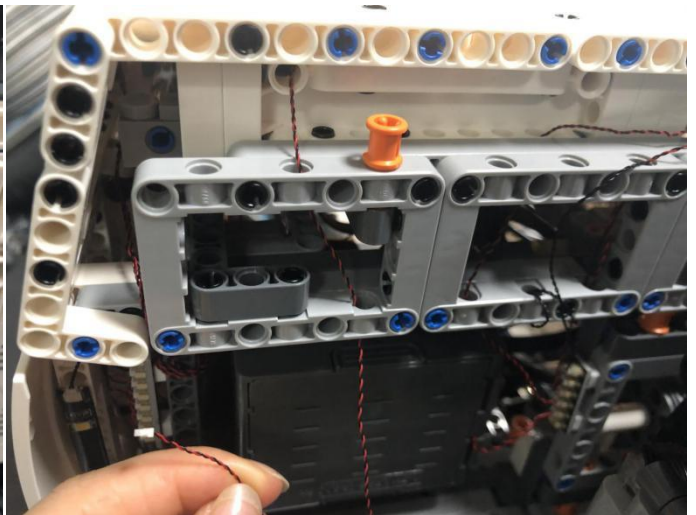
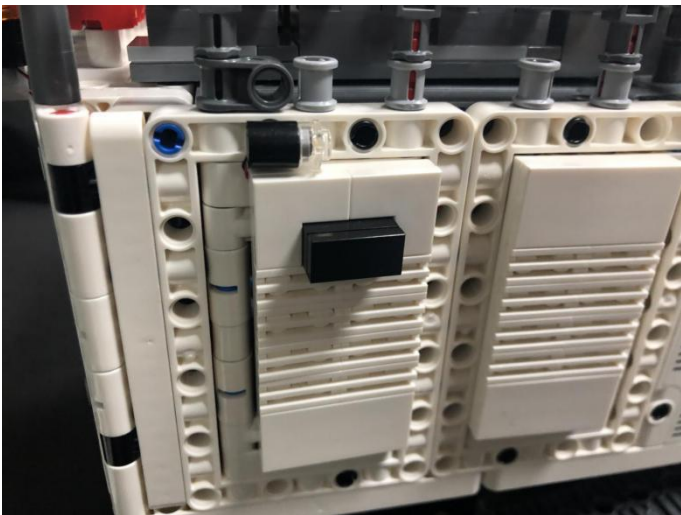
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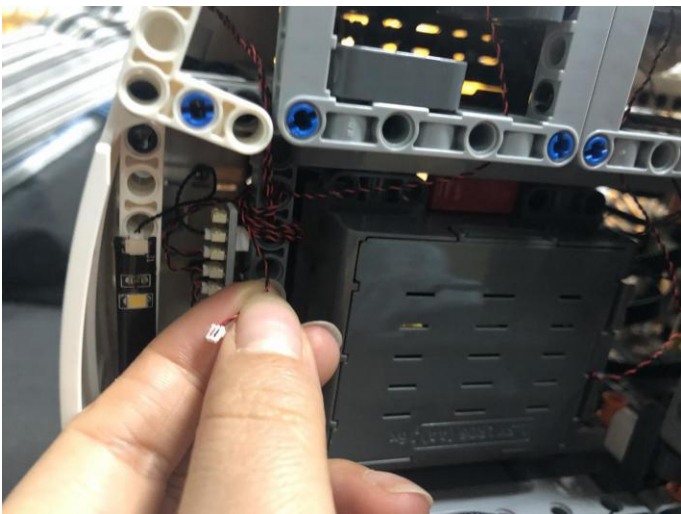
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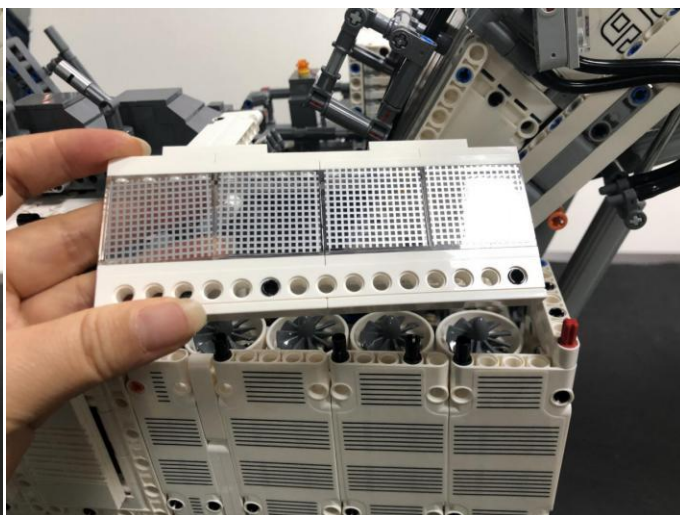
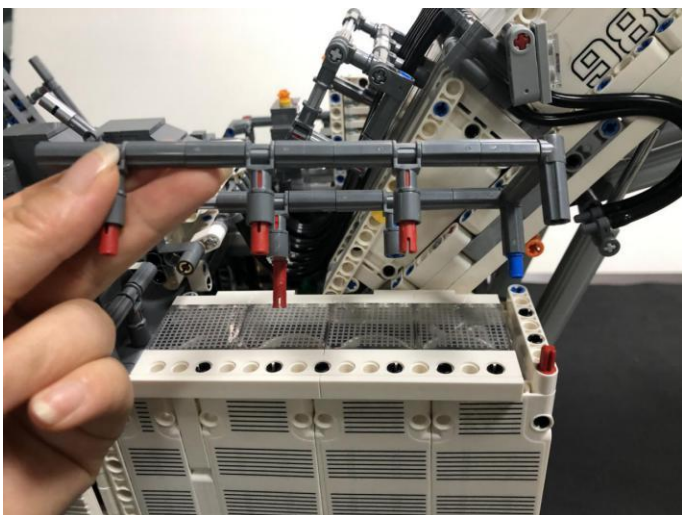
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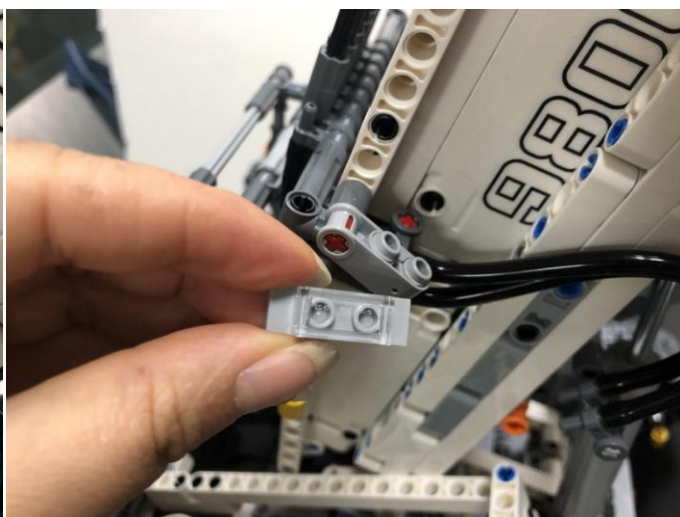
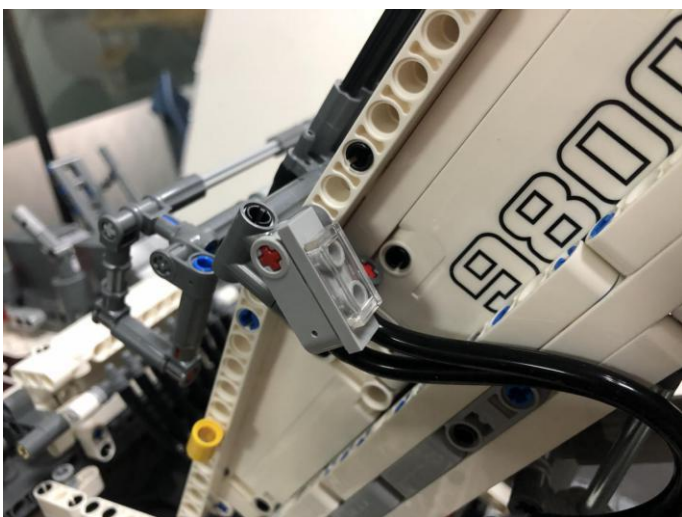
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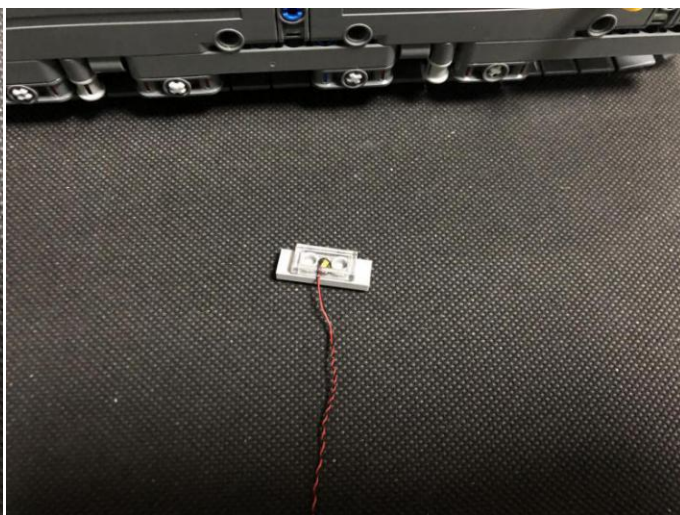
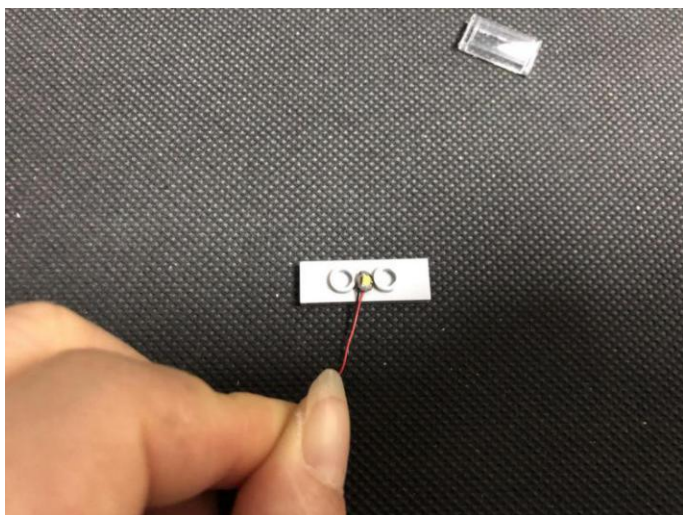
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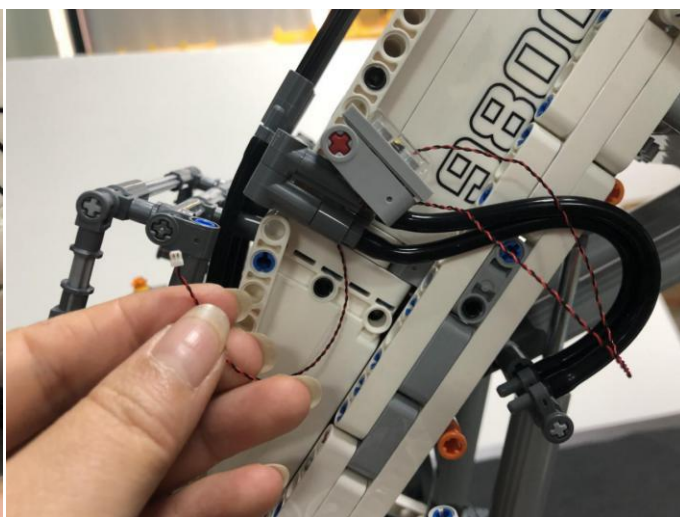
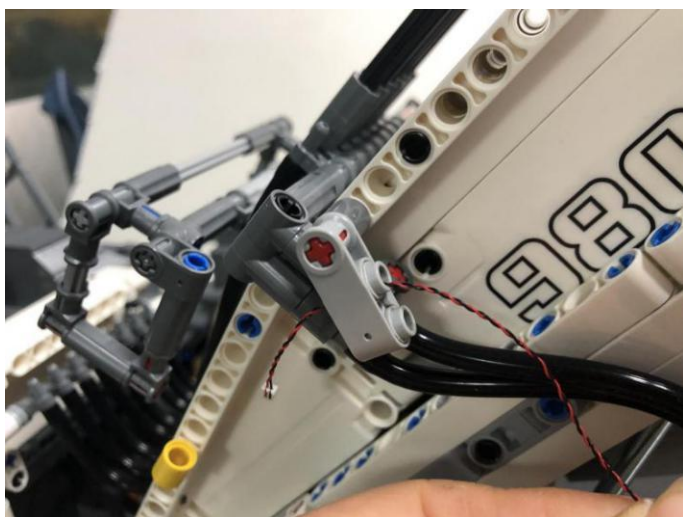
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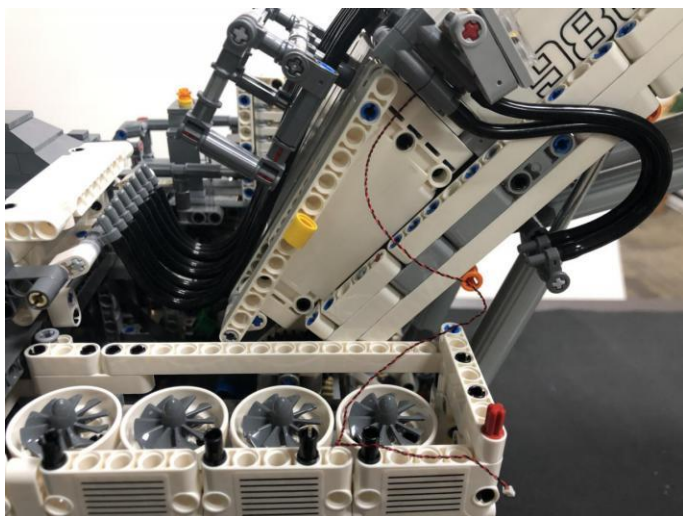
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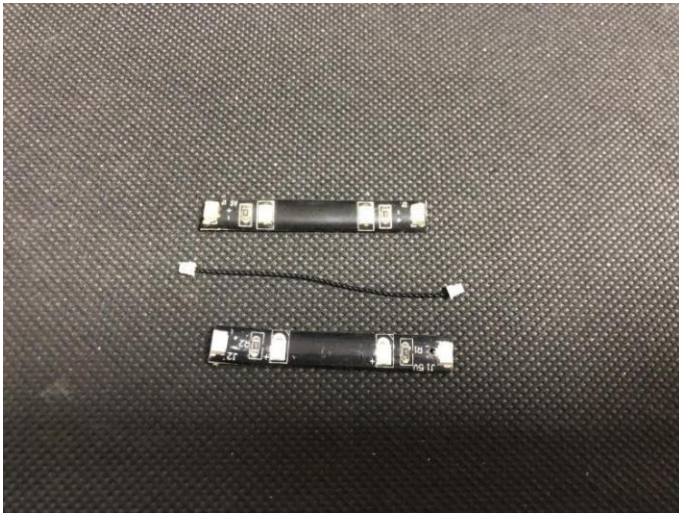
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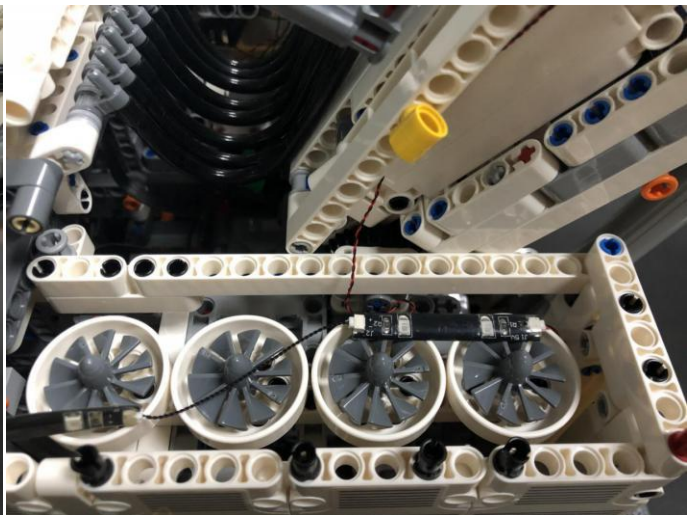
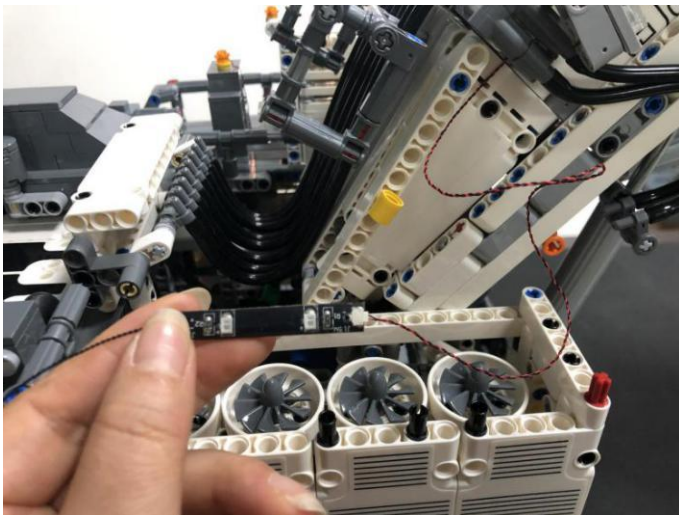
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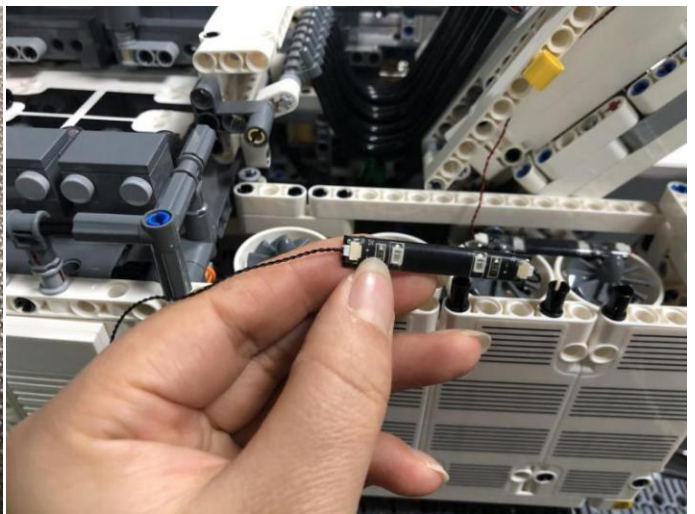
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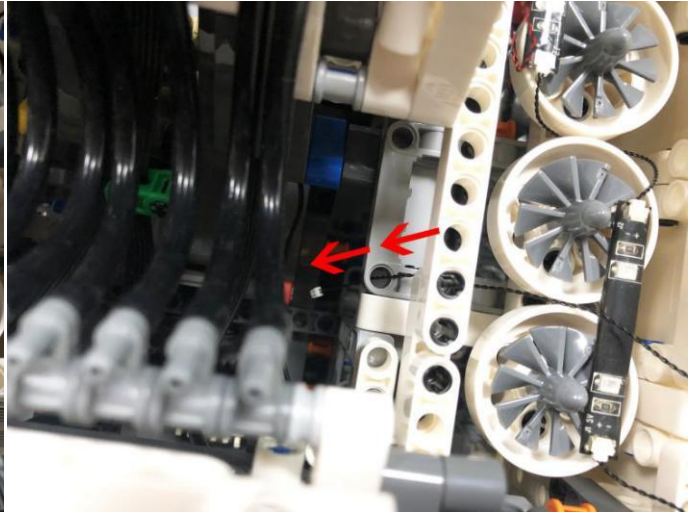
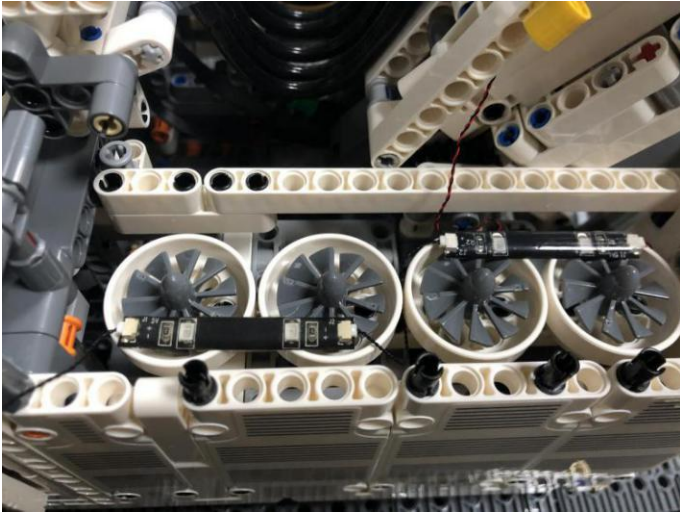
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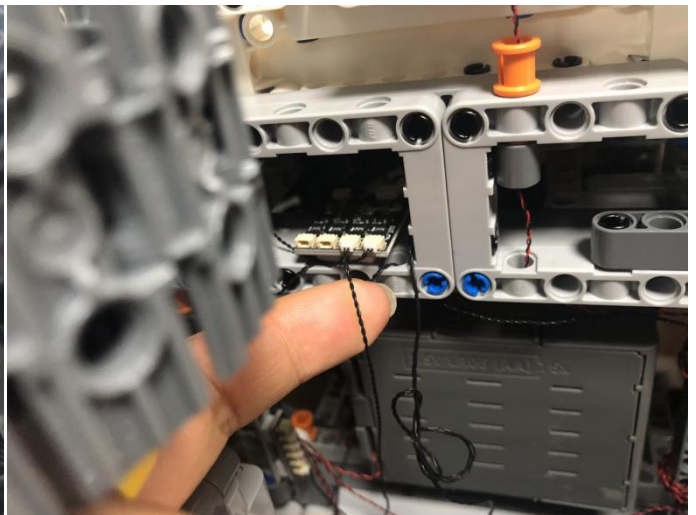
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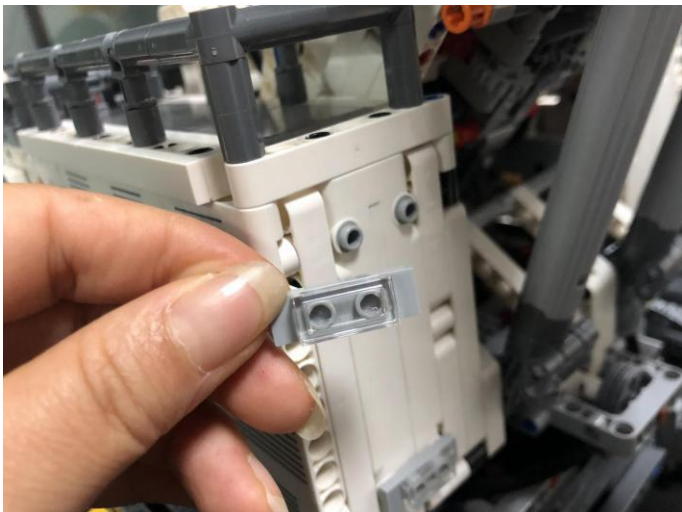
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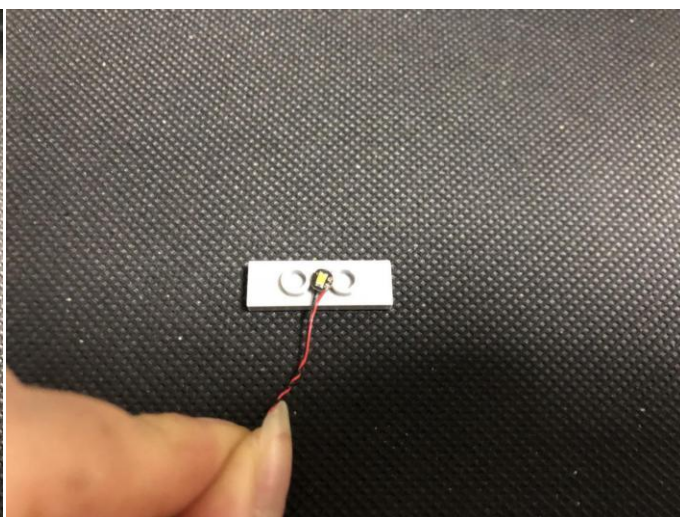
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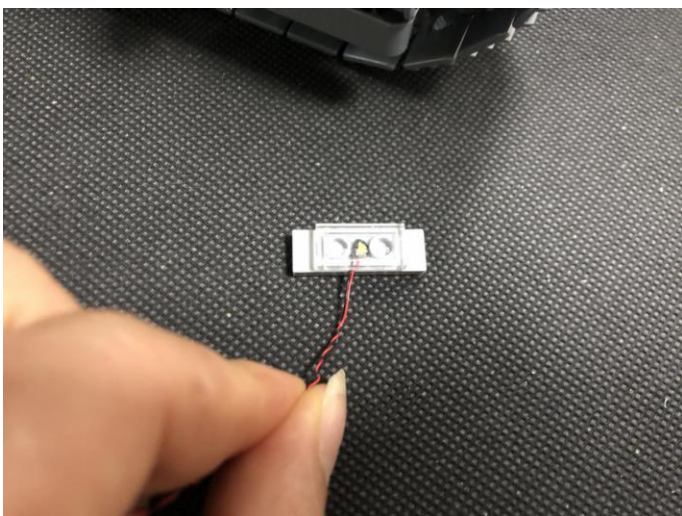
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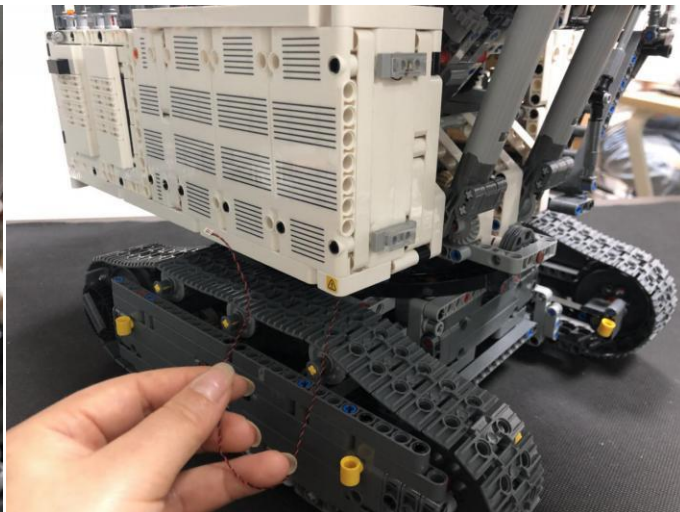
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110



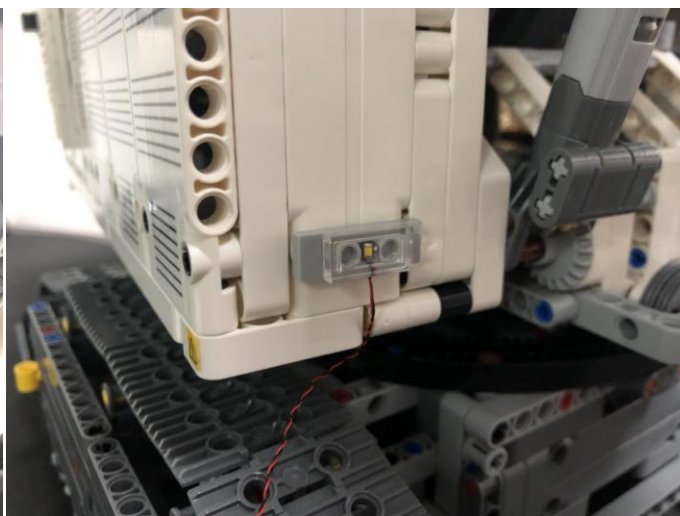
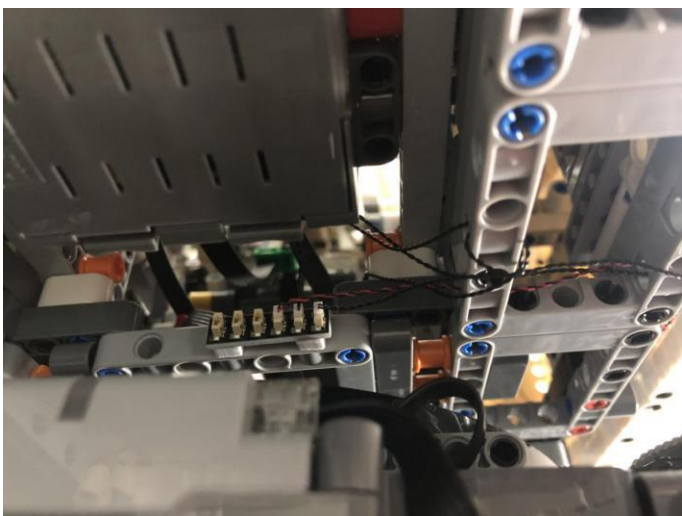
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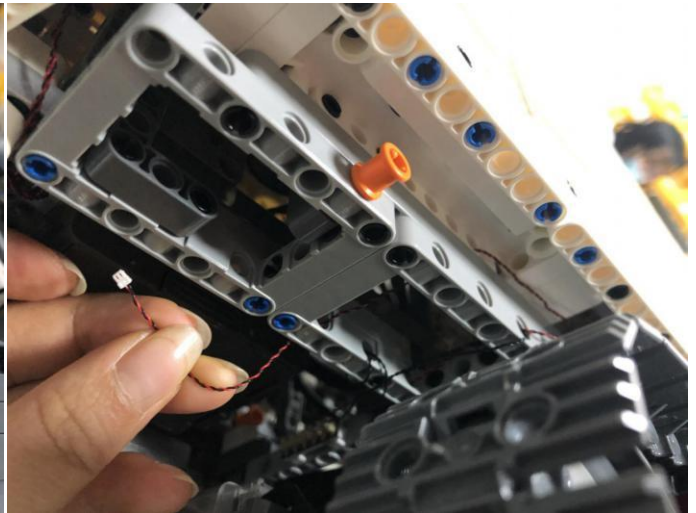
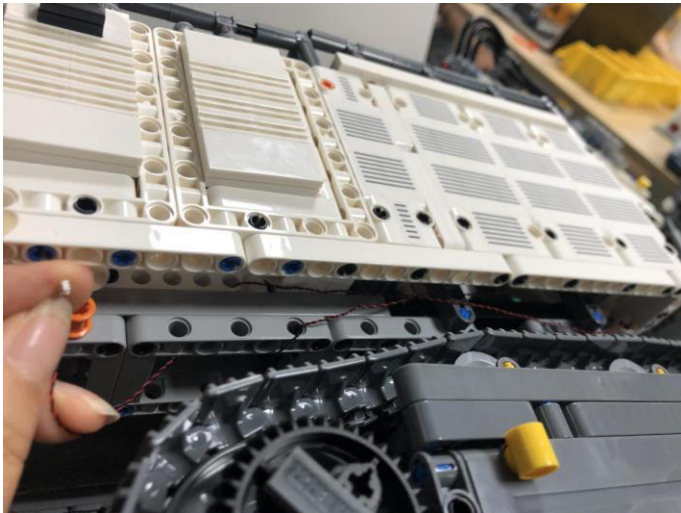
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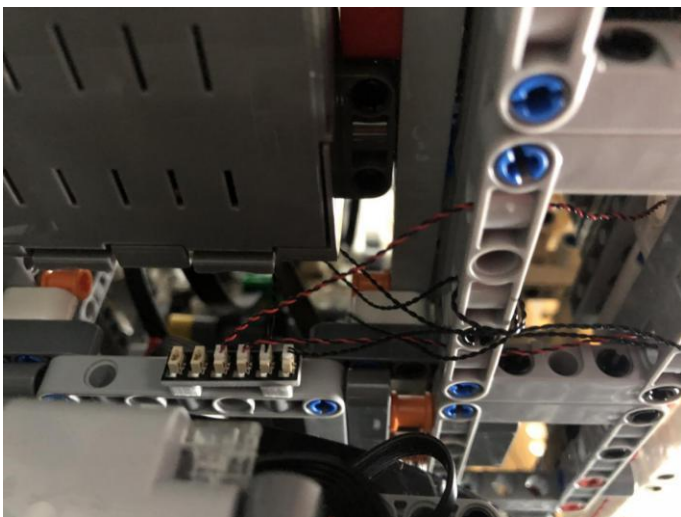
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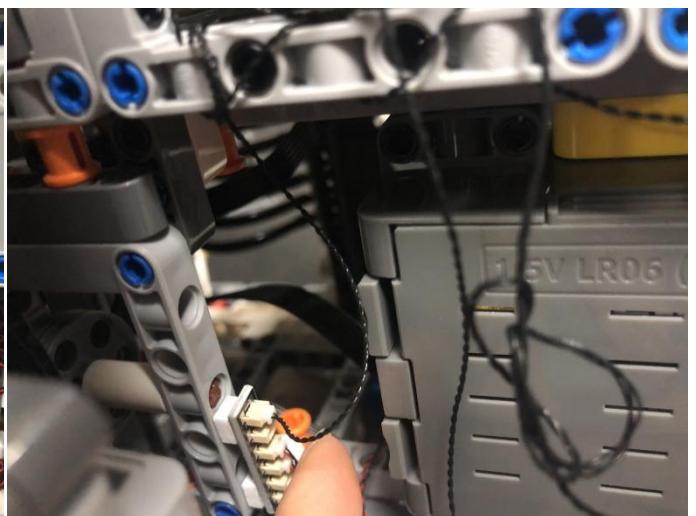
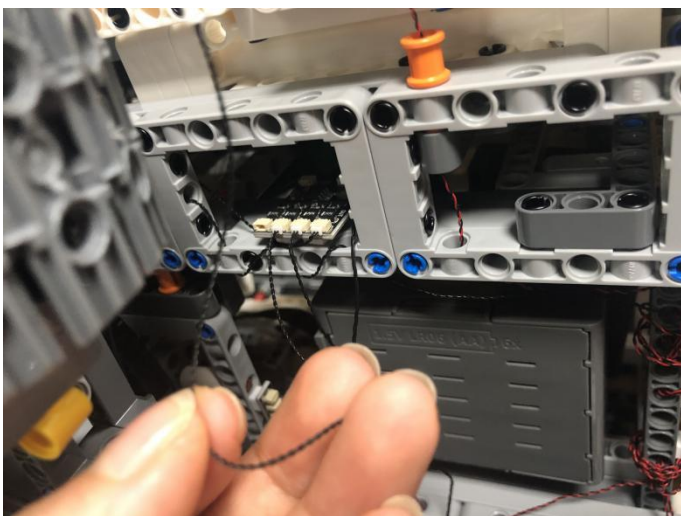
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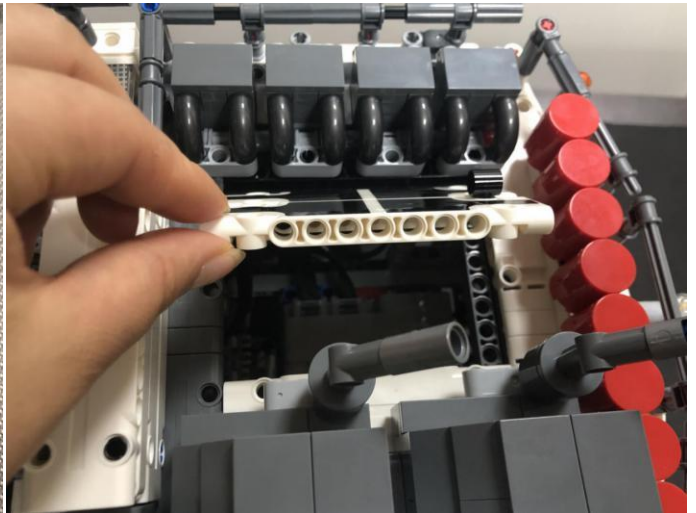
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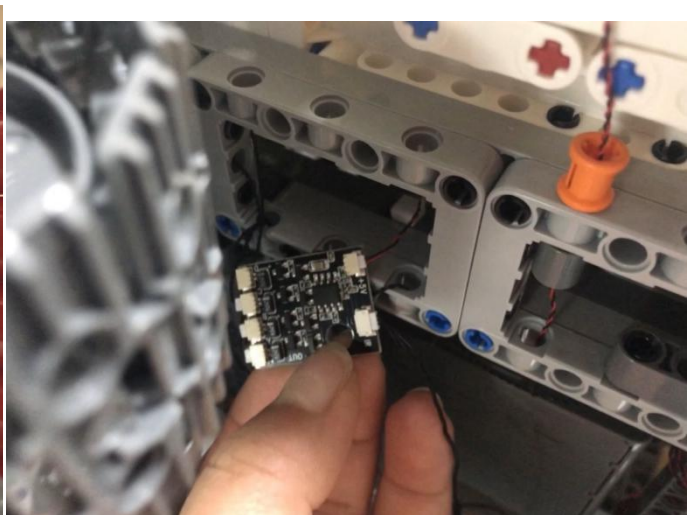
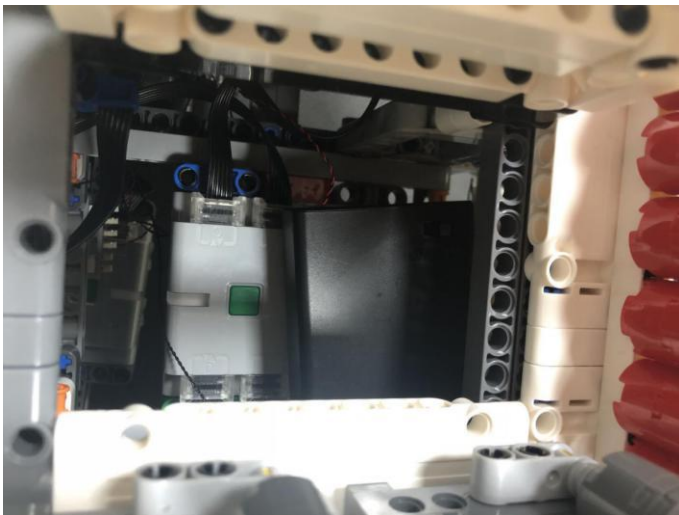
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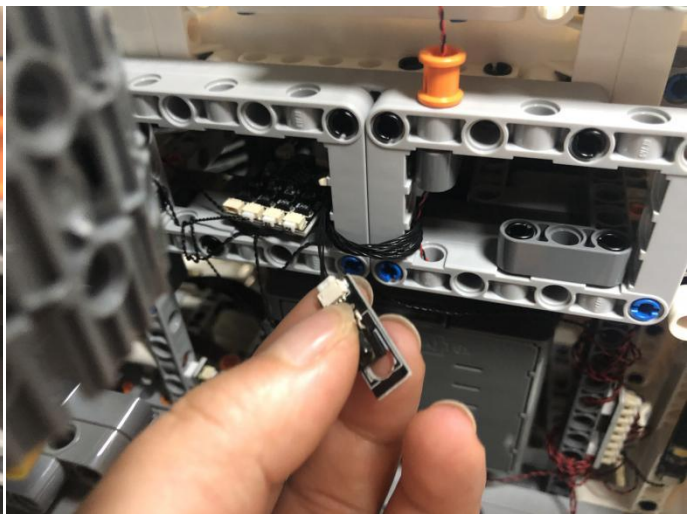
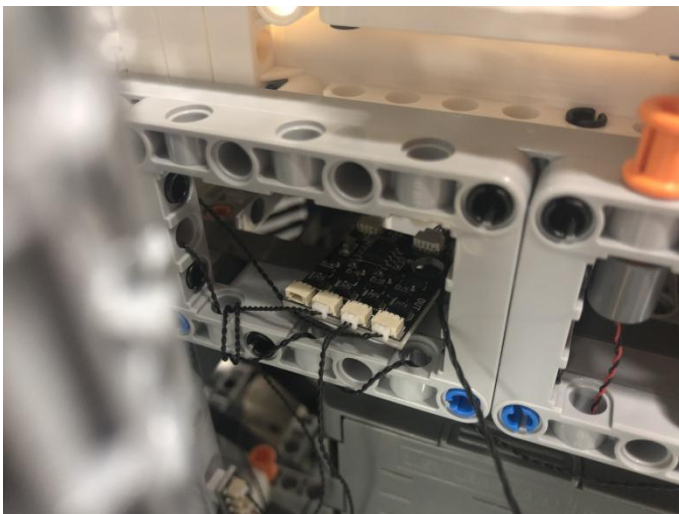
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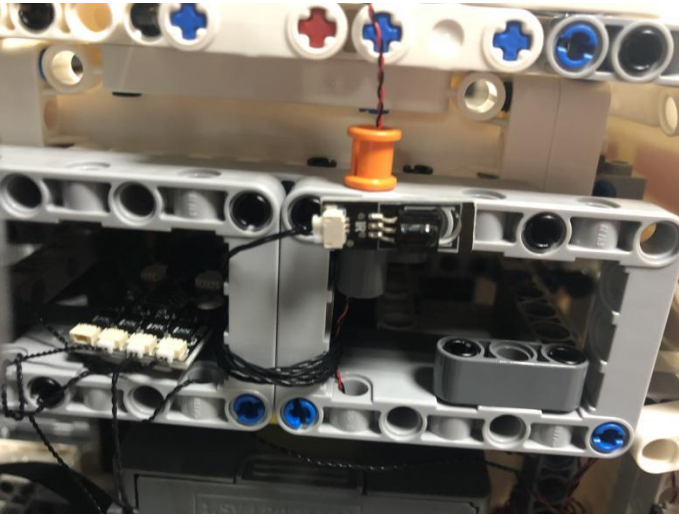
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Good job, you've done all the installation steps, power it up and enjoy your work.

