

71431 Bowser's Muscle Car

- 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.

The PDF installation instructions are of great significance to the installation. If the content of the files cannot be understood, please return to our website to select the video instructions. Also if the video manual cannot be understood, please switch to the PDF manual.

Section A: Check the type and quantity of components.

There are 8 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
A01024 High-Brightness light 15CM-Warm White	High-Brightness light 15CM-Warm White	2
A01025 Light-15CM Cyan	Light-15CM Cyan	2
A012 Expansion Board	12 Socket Expansion Board	1
A01305 Power Supply	Power Supply	1
A02519 Light Strip-Green	Light Strip-Green	1
A1031 High-Brightness Light 15CM-Red	High-Brightness Light 15CM-Red	2
A1036 High-Brightness Light 30CM-Blue	High-Brightness Light 30CM-Blue	1
Components	Non-lego 1*2 light panel white transparent	2
	Non-Lego 1*1 small round plate white transparent color (open)	2

Please contact us immediately if there have any missing components.

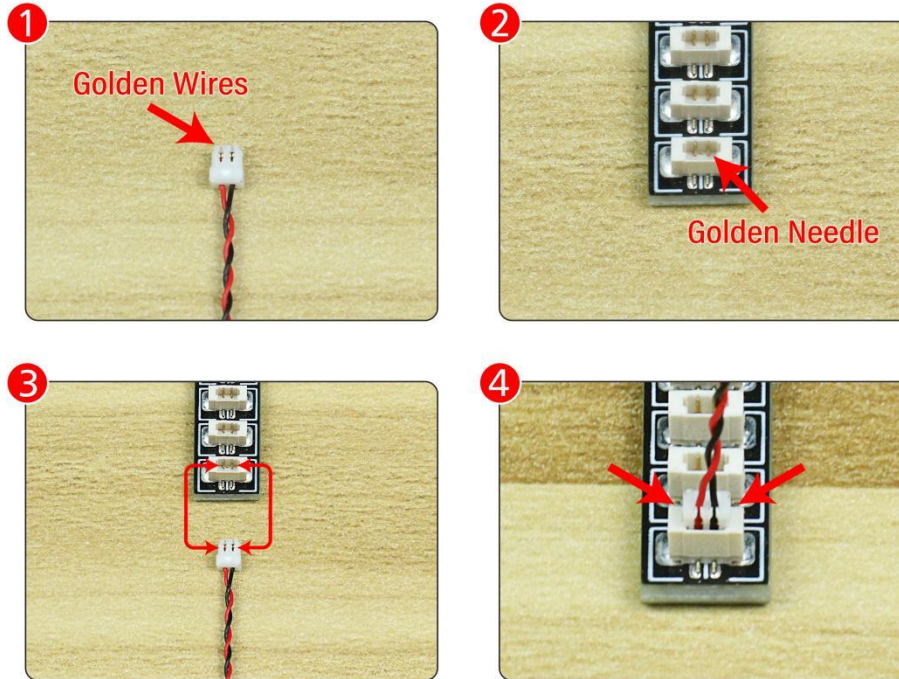
Section B: Test that each components is working properly.

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



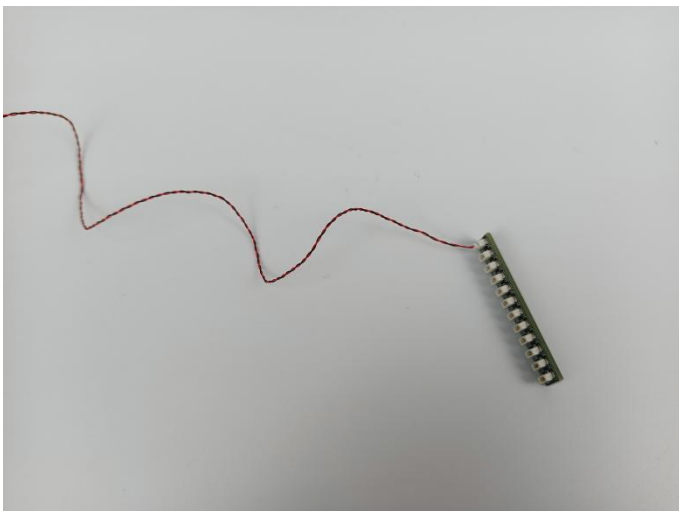
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

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.



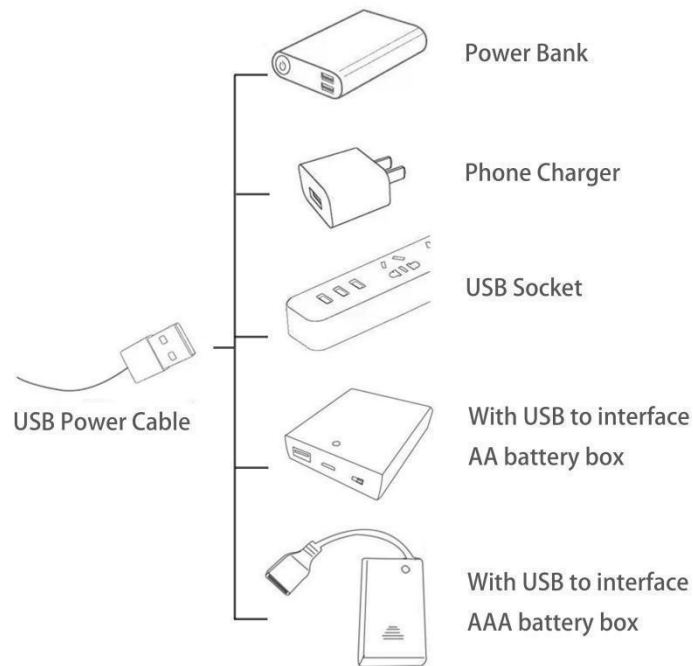
All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

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

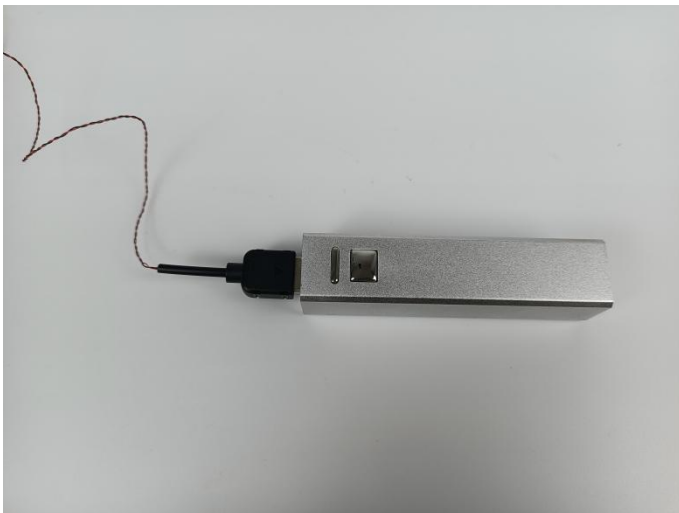


The USB Power Cord can be powered by phone chargers, power banks, etc.

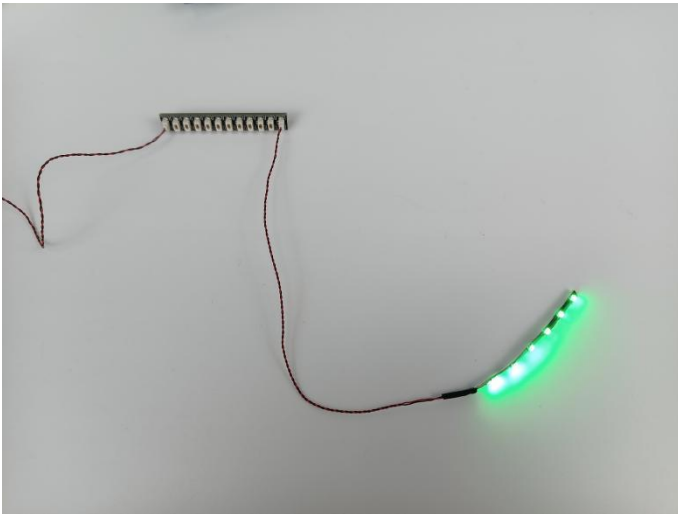
USB connectors to connect devices



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 "A02519 Light Strip-Green" particles,Take out the bag labelled "A02519 Light Strip-Green".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 2*High-Brightness light 15CM-Warm White,2*Light-15CM Cyan,2* High-Brightness Light 15CM-Red,1*High-Brightness Light 30CM-Blue.

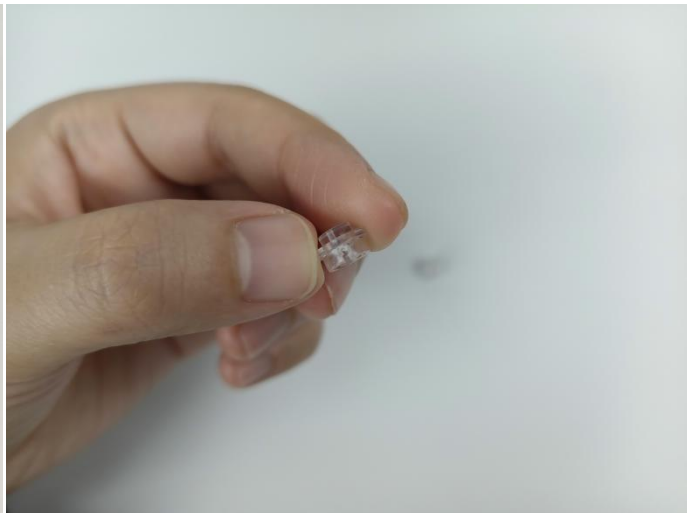
Please contact us immediately if any components don't work.

Section C: laying out components following the instruction.

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2. Take out the Components 2 small non-Lego 1×1 round plates in the bag White transparent color (open).



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.

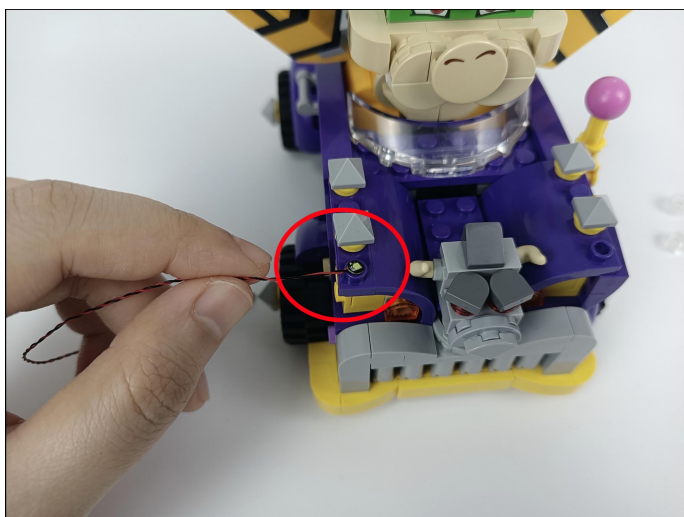


The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.

3. Take out the A01025 2 Light-15CM Cyan in the bag.



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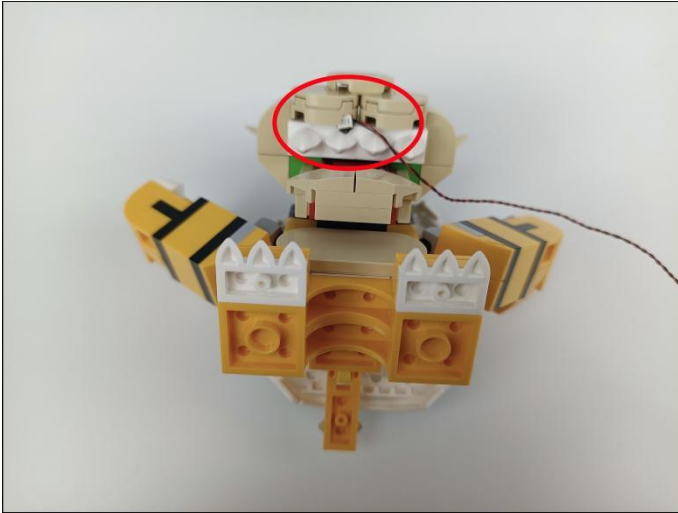
7. Take out A1036 1 High-Brightness Light 30CM-Blue from the bag.



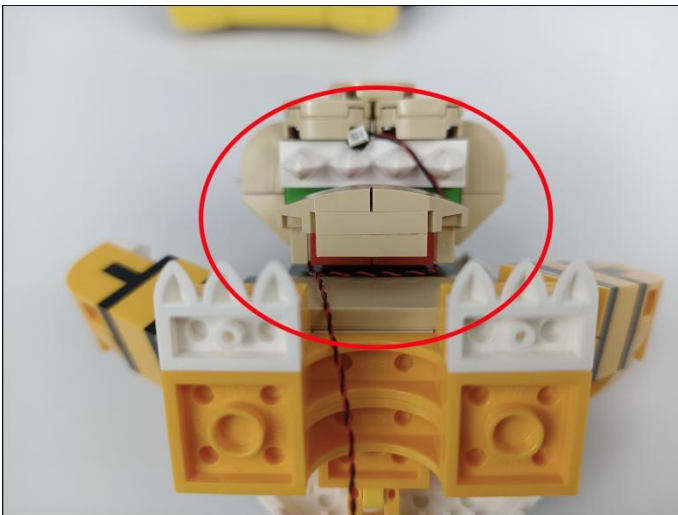
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9.Lamp pellets are hidden in the crevices.



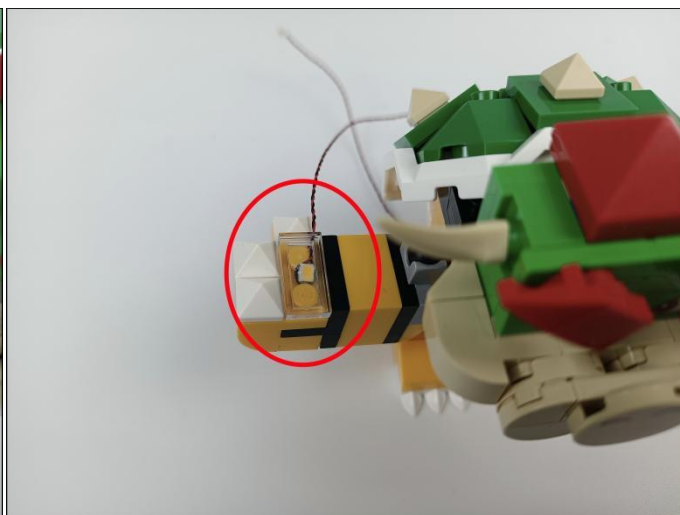
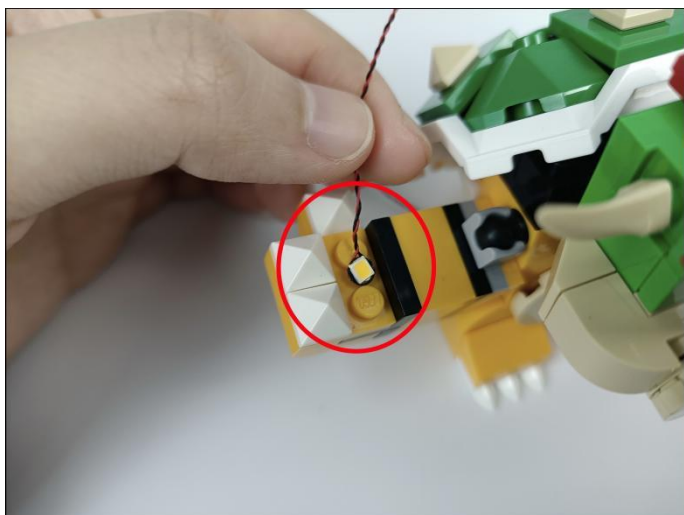
10.Wrap the lamp cord around your neck.



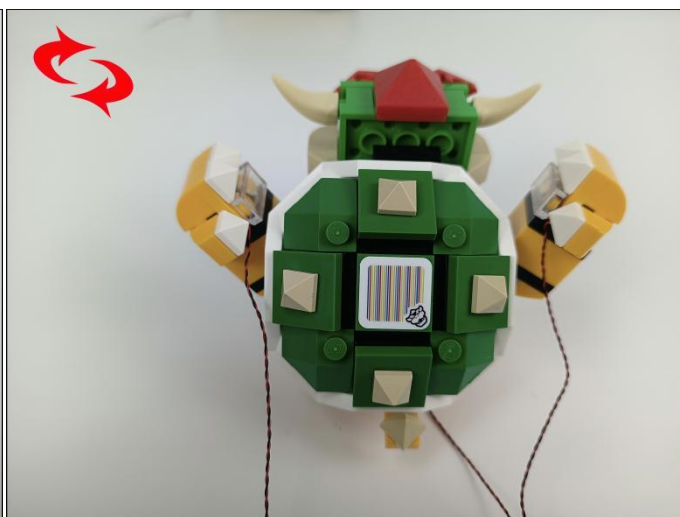
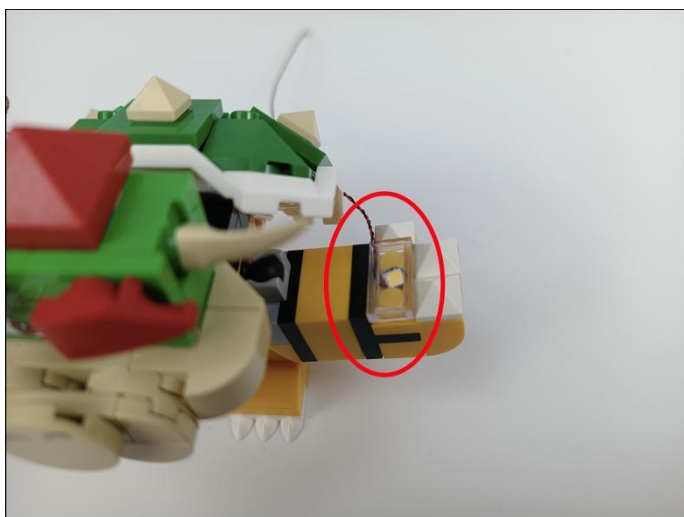
11.Take out the bag with Components 2 non-LEGO 1*2 light panels white transparent and A01024 2 High-Brightness light 15CM-Warm White.



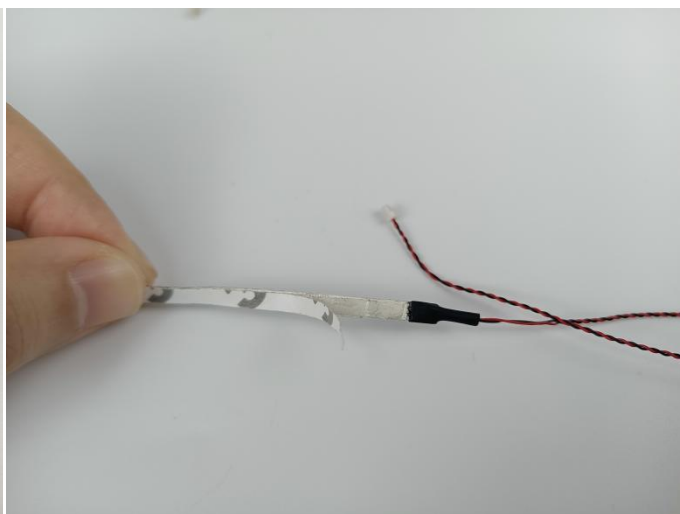
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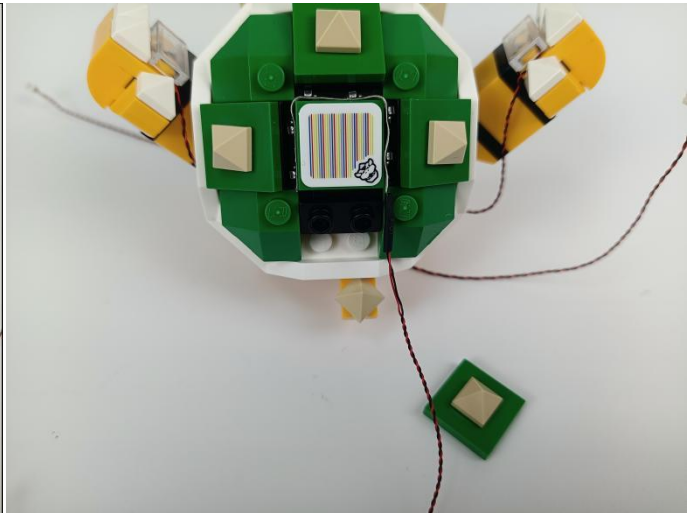
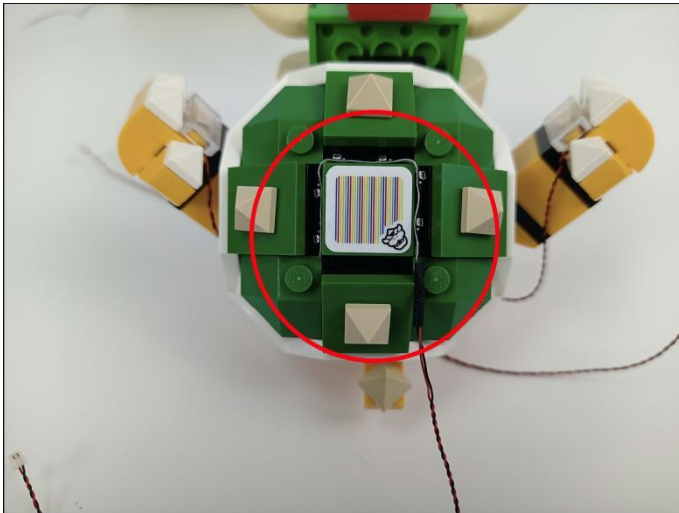
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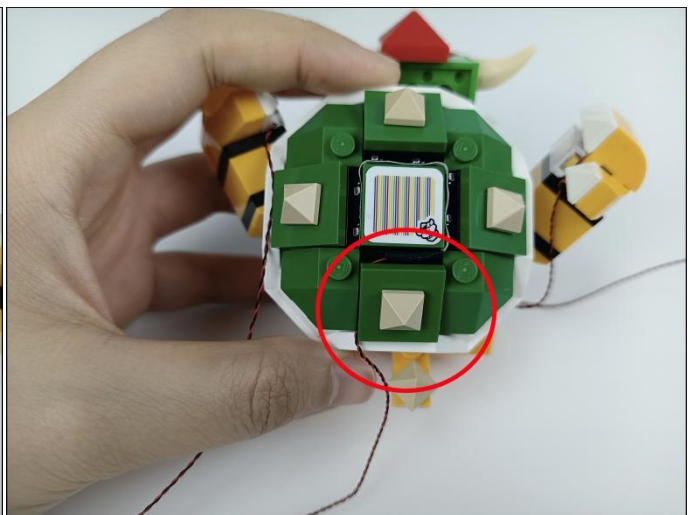
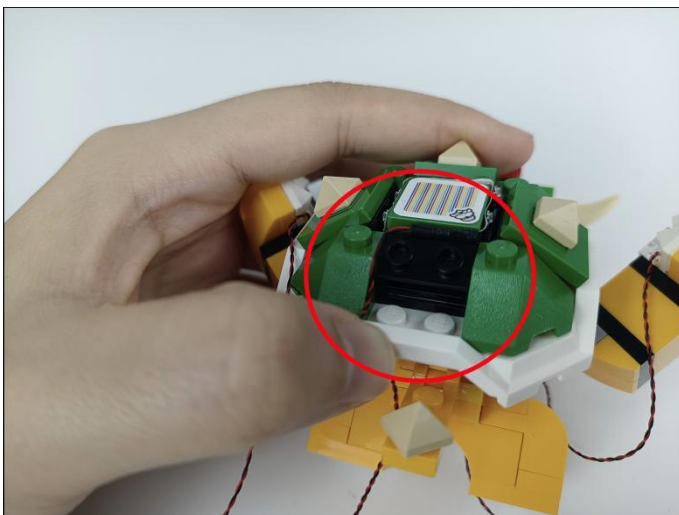
14. Take out A02519 1 Light Strip-Green from the bag.



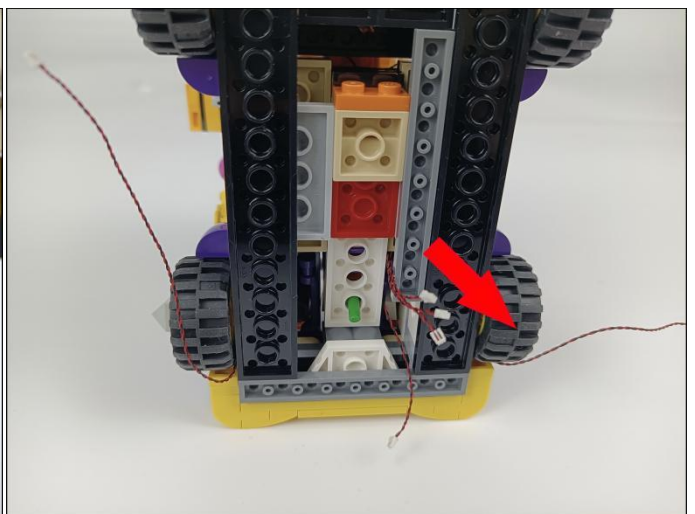
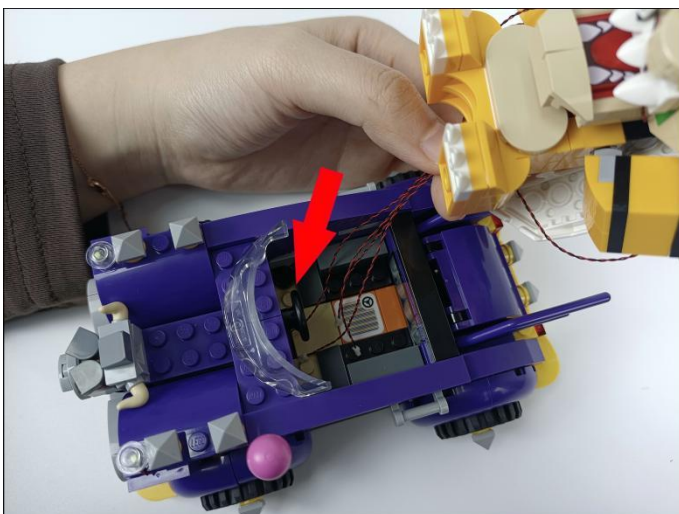
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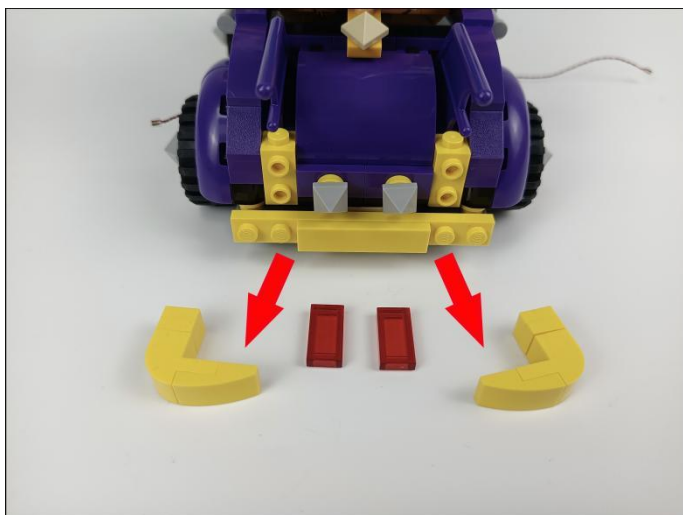
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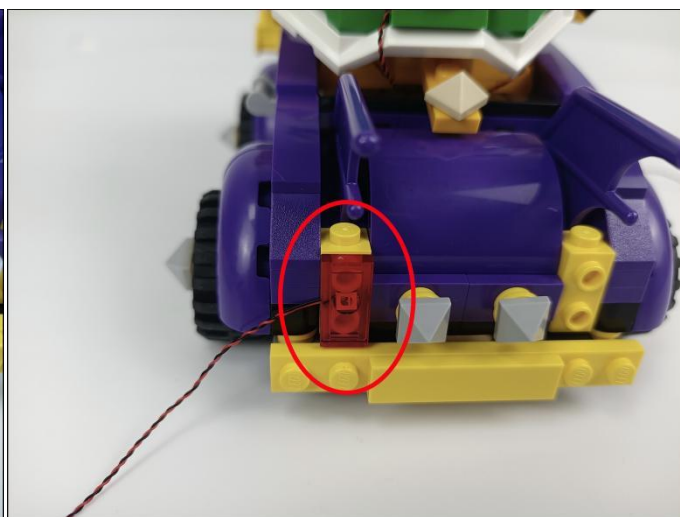
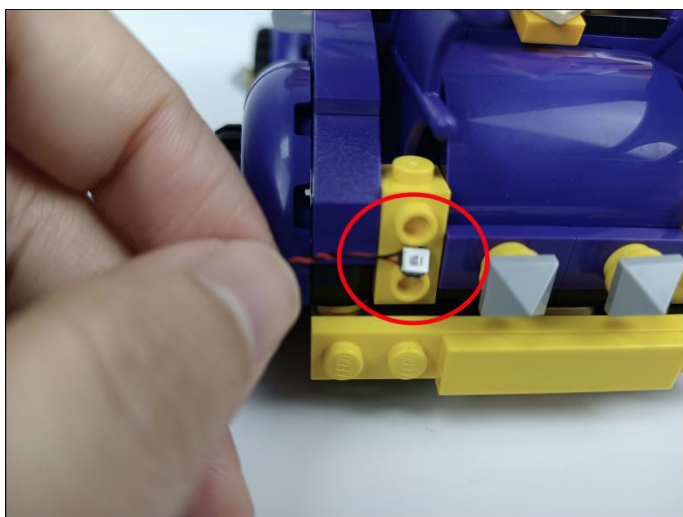
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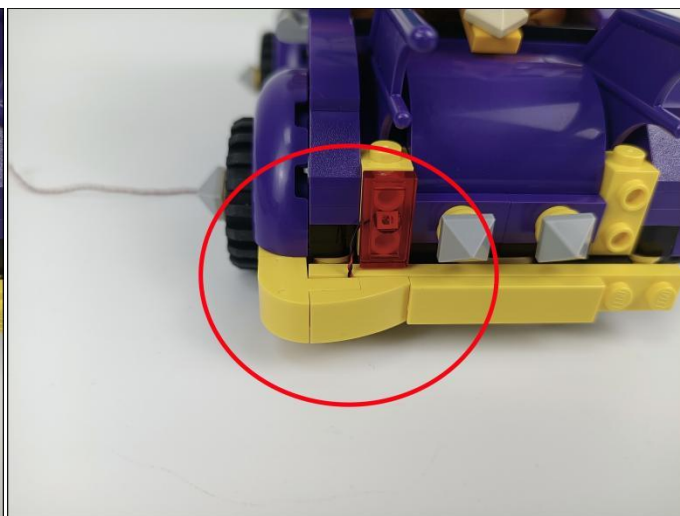
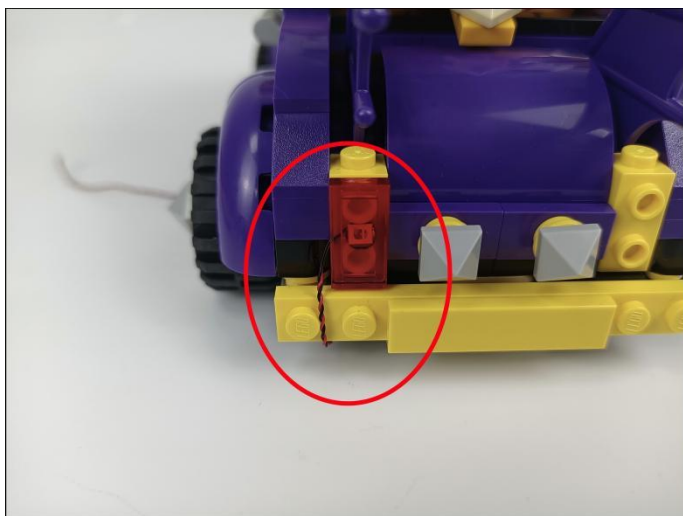
18. Take out the A1031 2 High-Brightness Light 15CM-Red in the bag.



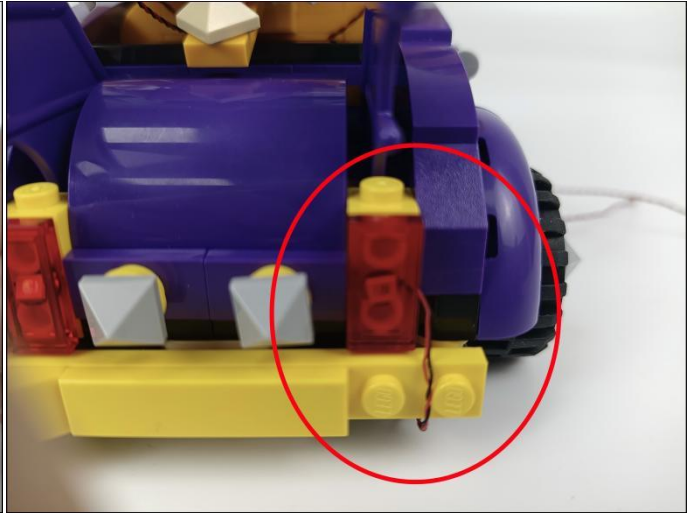
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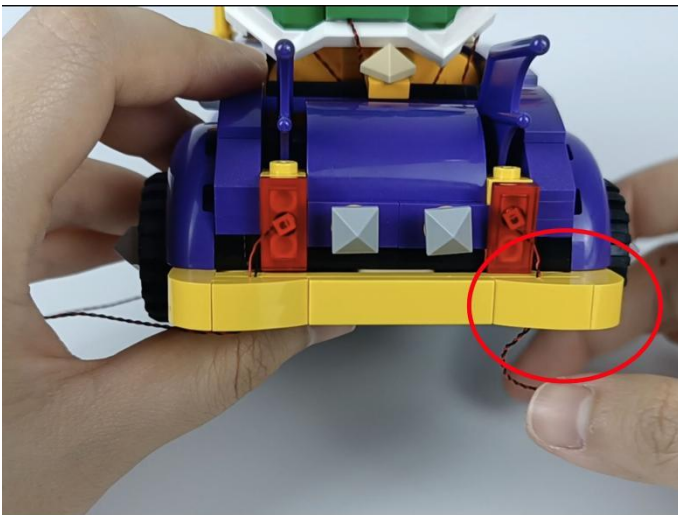
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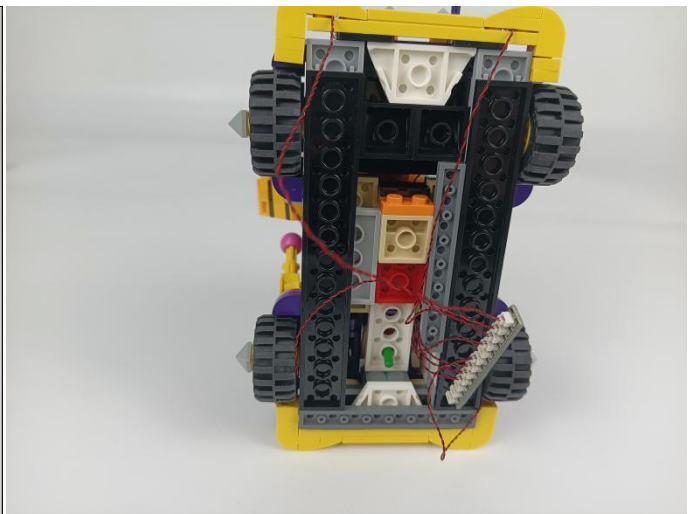
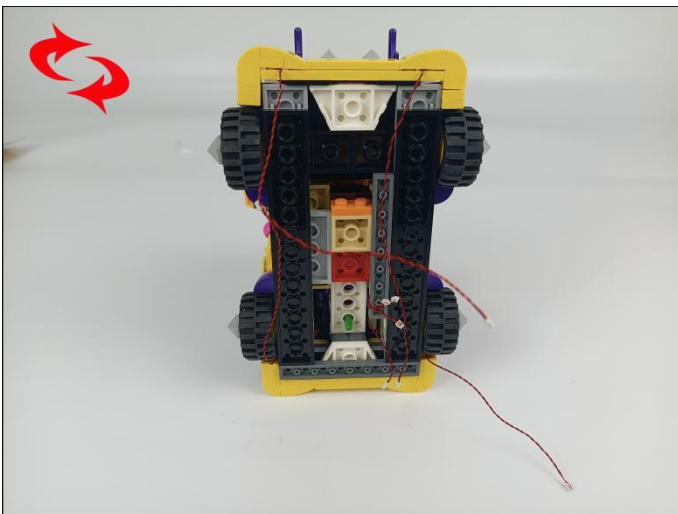
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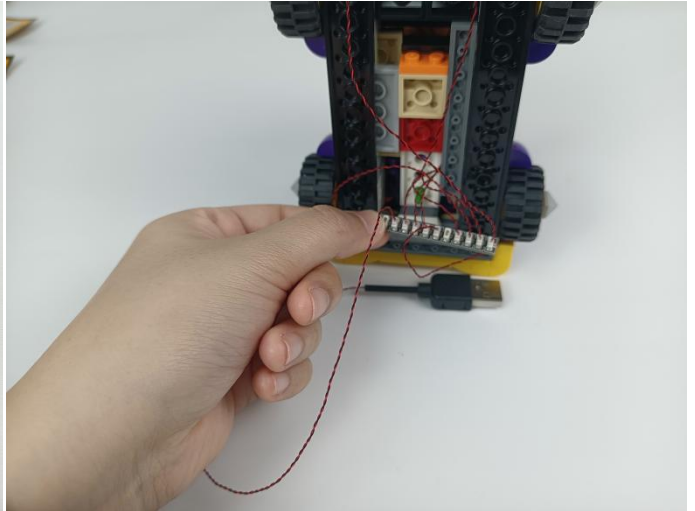
22. Take out the 12 Socket Expansion Board in the bag.



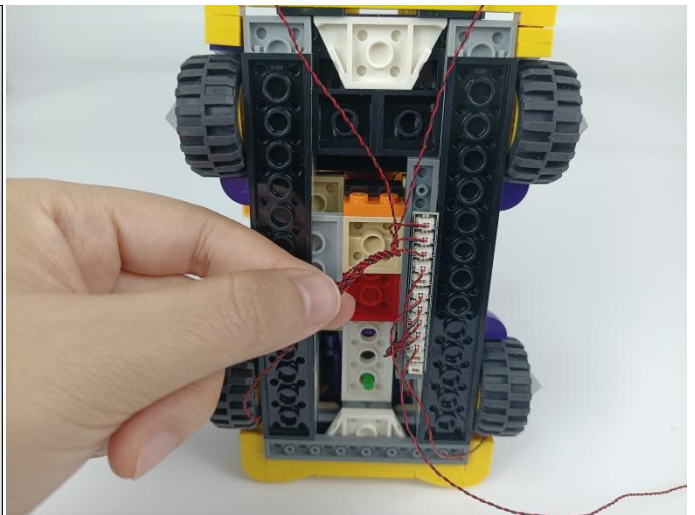
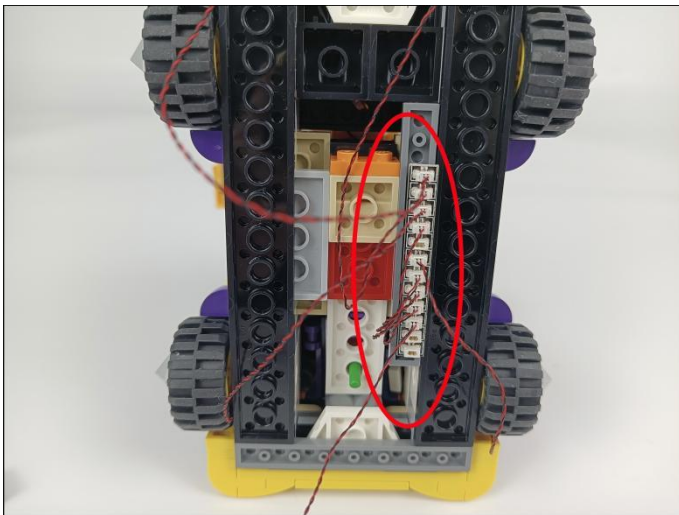
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Good job, you've done all the installation steps, power it up and enjoy your work.



The battery box can also power the set. If it is necessary to change the power supply , prepare three AAA batteries, install them in the battery box, turn on the switch on the battery box, remove the plug of the USB Power Cable from the socket of the expansion board,plug the plug of the battery box to the same socket in the expansion board to power the suit as well.

THANKS