

10274 GHOSTBUSTERS ECTO-1 P20502

- P20502 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 “10274 P20502”.
- 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 16 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
Bit Lights-15CM-White	Bit Lights-15CM-White	14
Bit Lights-15CM-Red	Bit Lights-15CM-Red	3
Bit Lights-15CM-Yellow	Bit Lights-15CM-Yellow	2
Bit Lights-30CM-Red	Bit Lights-30CM-Red	2
Bit Lights-30CM-White	Bit Lights-30CM-White	2
LED Strip Lights-Warm White	LED Strip Lights-Warm White	2
Expansion Board	6 Socket Expansion Board	3
	8 Socket Expansion Board	1
	12 Socket Expansion Board	1
USB Power Cable	USB Power Cable-30CM	1
Connecting Cables-5CM	Connecting Cables-5CM	4
Connecting Cables-30CM	Connecting Cables-30CM	1
Connecting Cables-50CM	Connecting Cables-50CM	2
Connecting Cables-10CM	Connecting Cables-10CM	1
Multi-Effects Board	Multi-Effects Board	1
Light Strips-Green-7	Light Strips-Green-7	2
Remote Control Boards	Remote Control Boards	1
Parts package		

Please contact us immediately if there have any missing components.

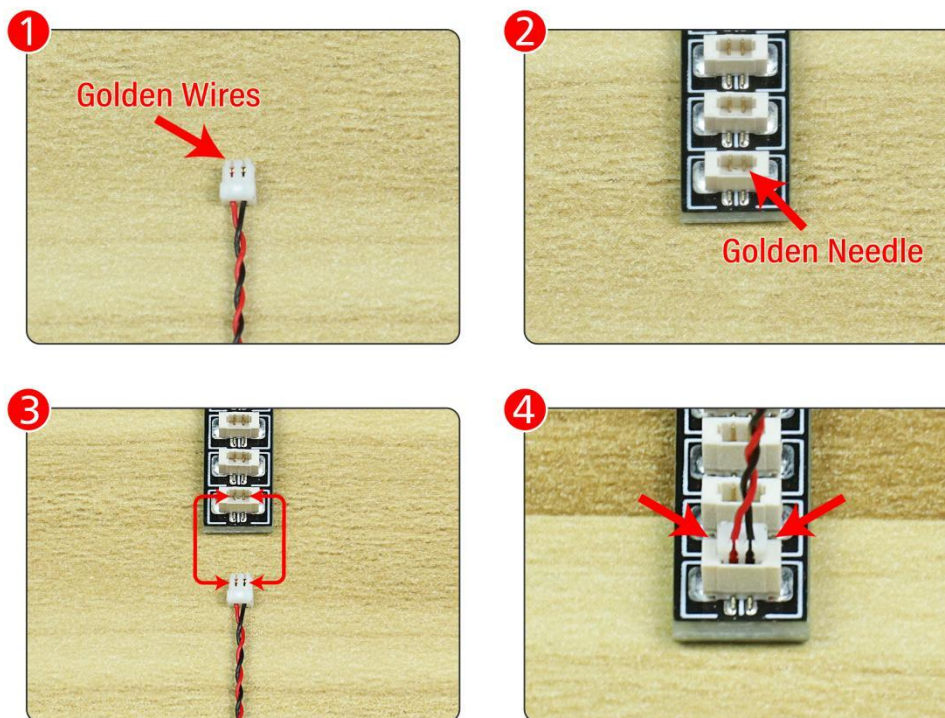
Section B: Test that each components is working properly.

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



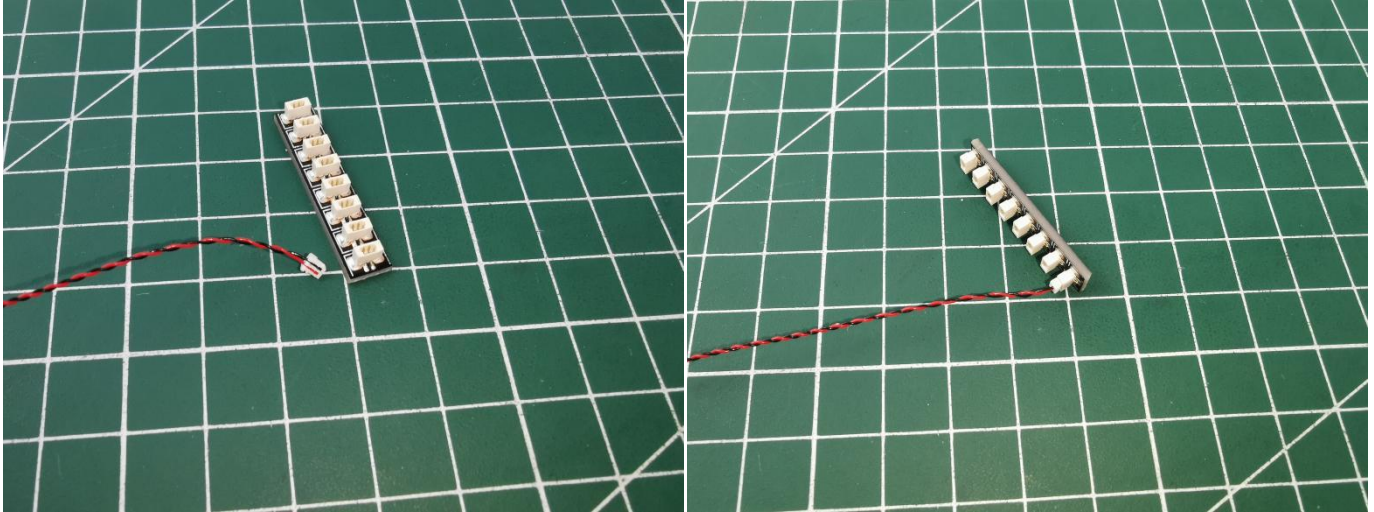
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

Note that on one side of the white plug you can see two very small golden wires that should be connected to the two golden needles in socket of the expansion board.shown as blow.



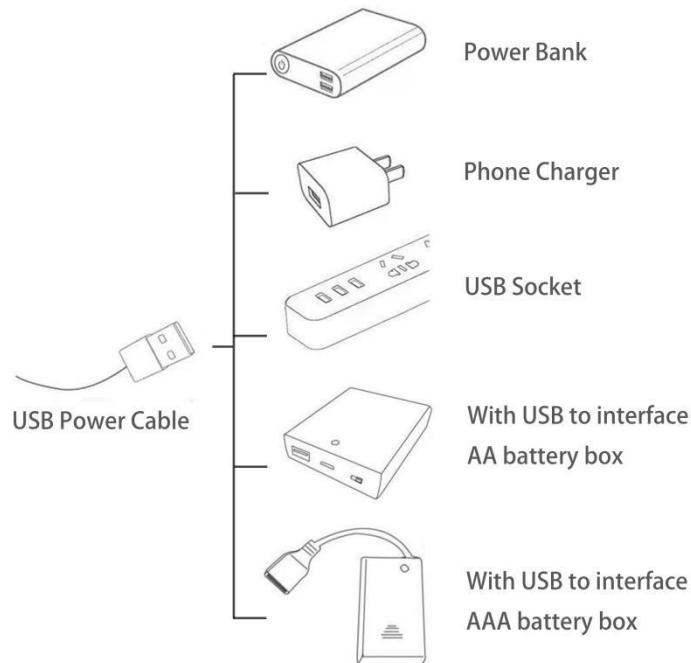
All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

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



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

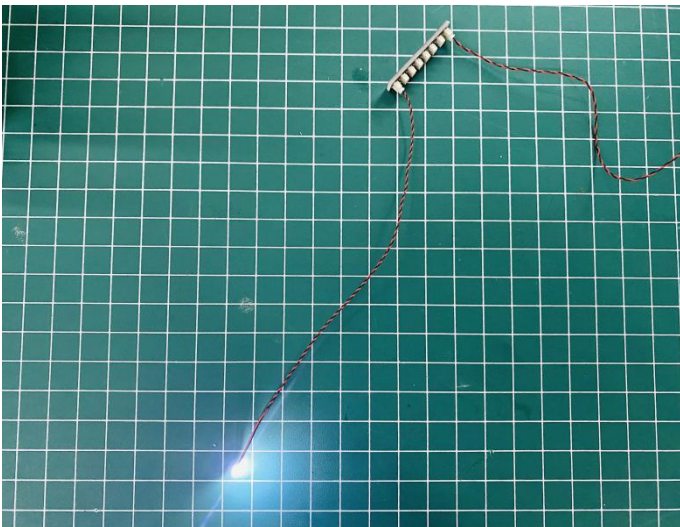
USB connectors to connect devices



This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.



when we test "Bit Lights-15CM-White" particles,Take out the bag labelled "Bit Lights-15CM-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 14*Bit Lights-15CM-White,3*Bit Lights-15CM-Red,2*Bit Lights-15CM-Yellow,2*Bit Lights-30CM-Red,2*Bit Lights-30CM-White,2*LED Strip Lights-Warm White,2*Light Strips-Green-7.

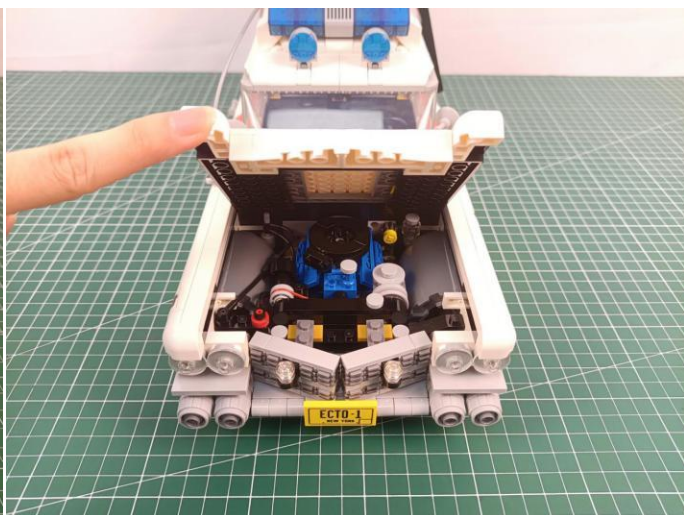
Please contact us immediately if any components don't work.

Section C: laying out components following the instruction.

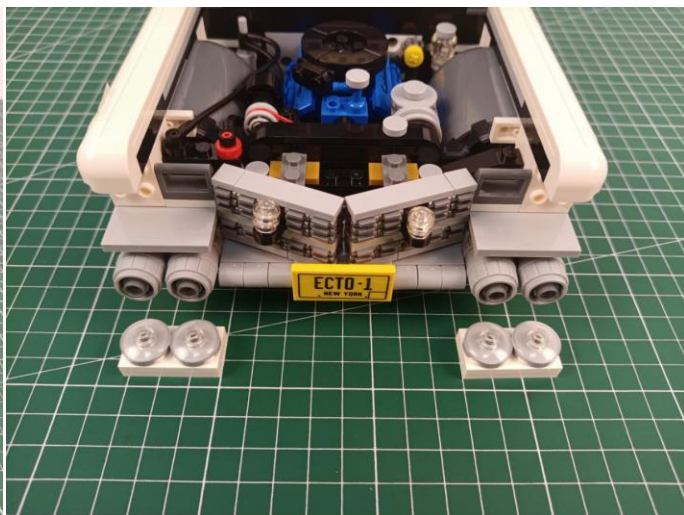
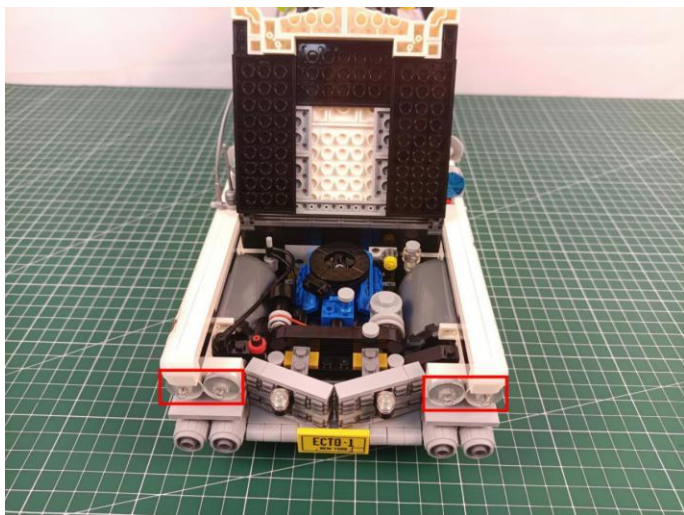
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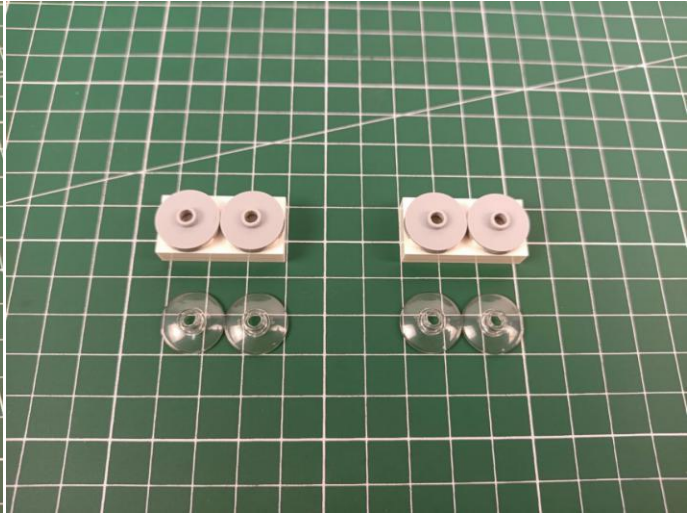
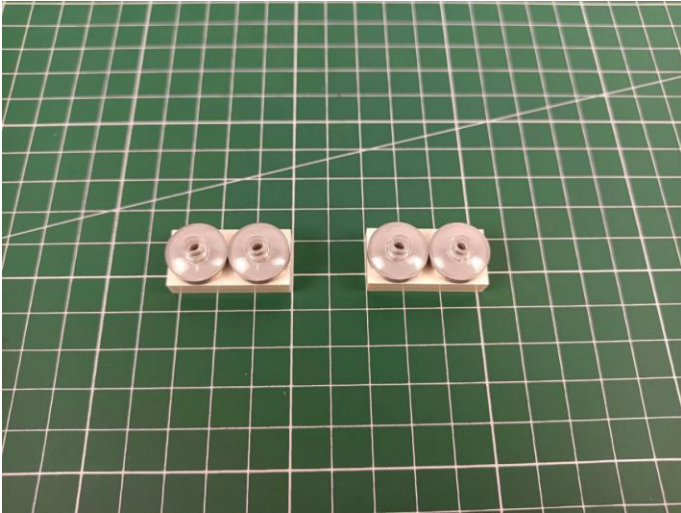
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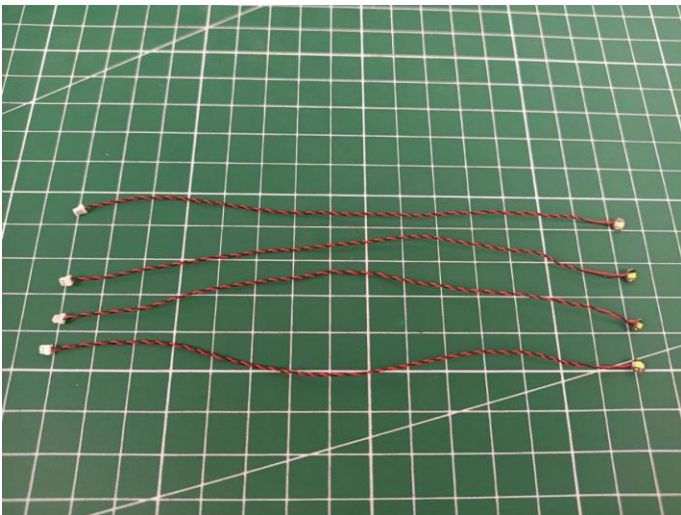
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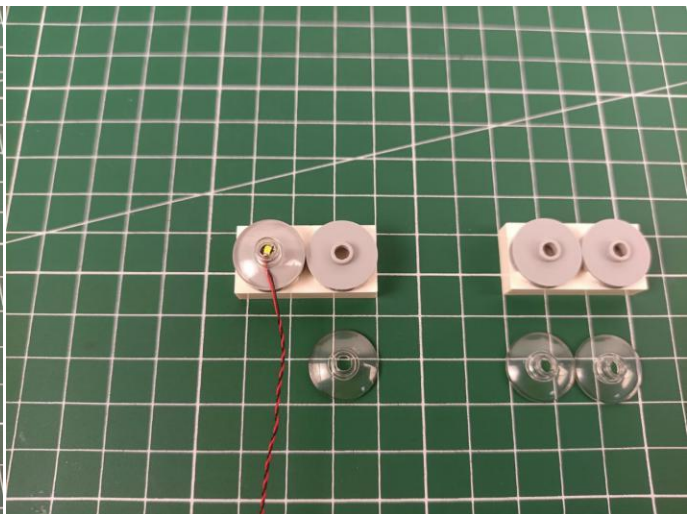
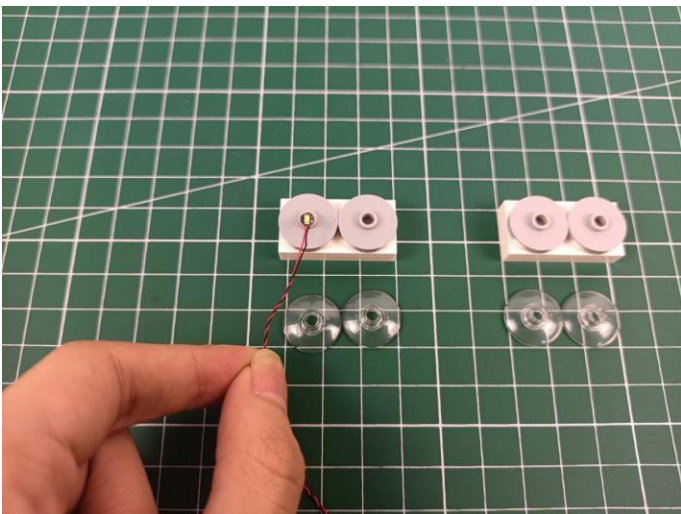
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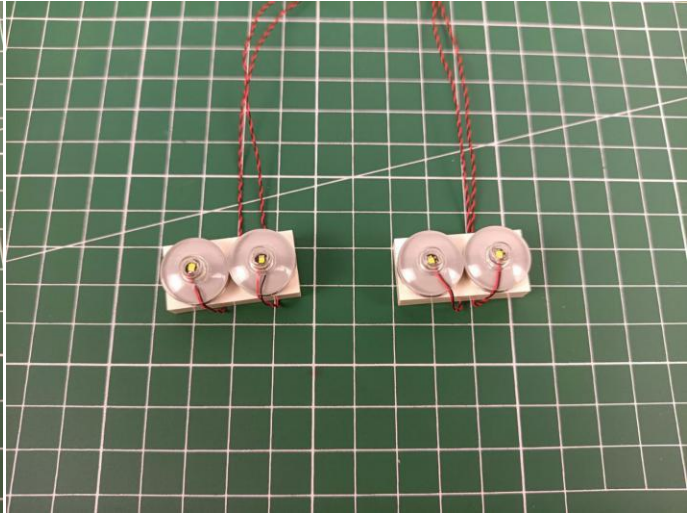
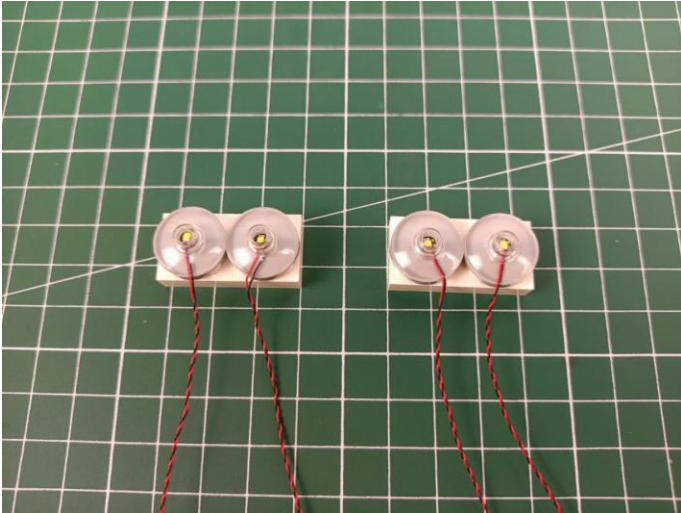
Take 4 white 15cm dot lights.



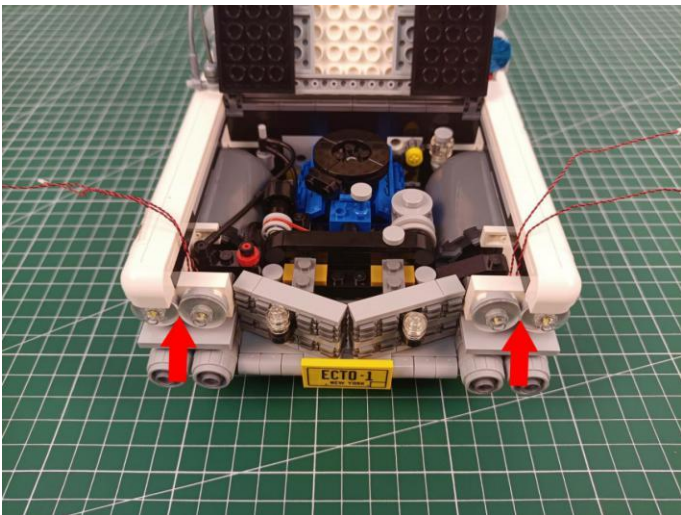
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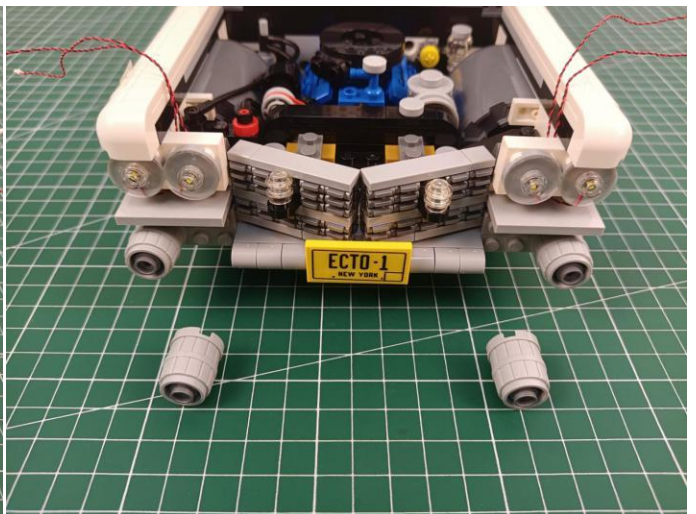
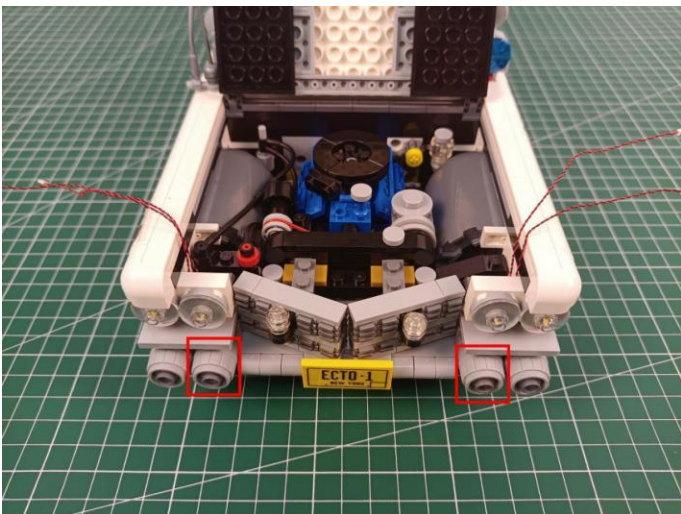
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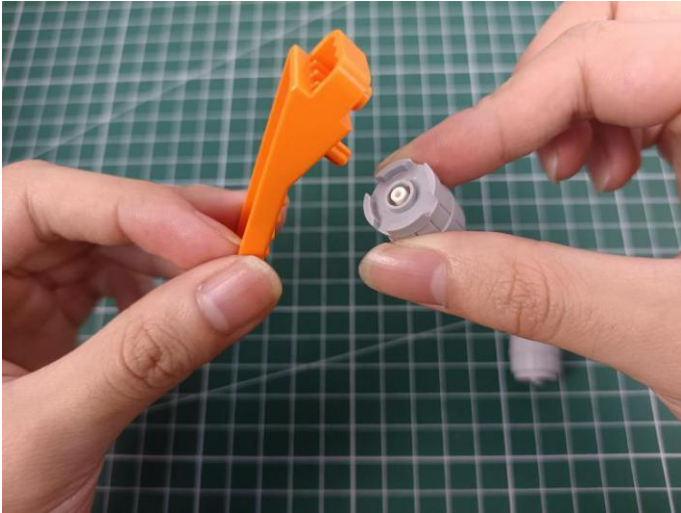
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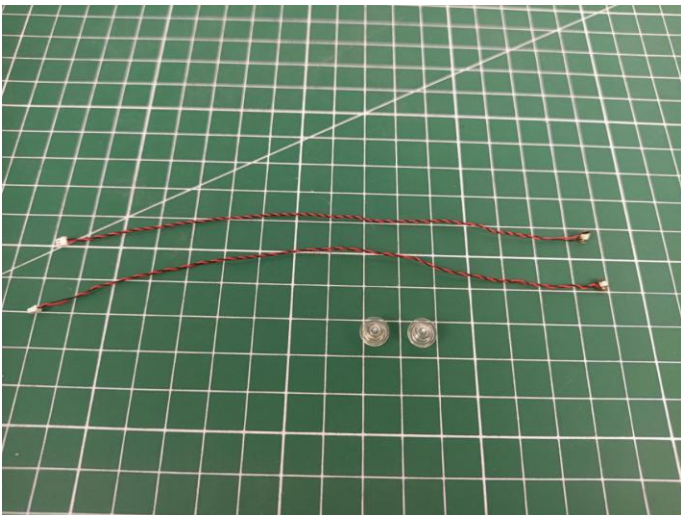
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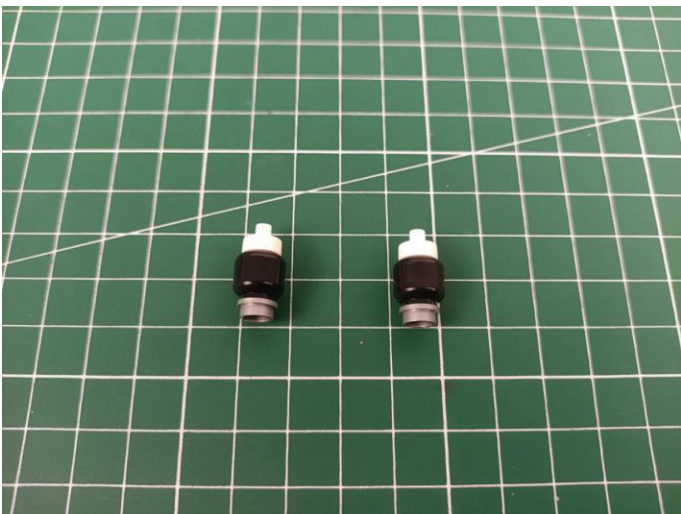
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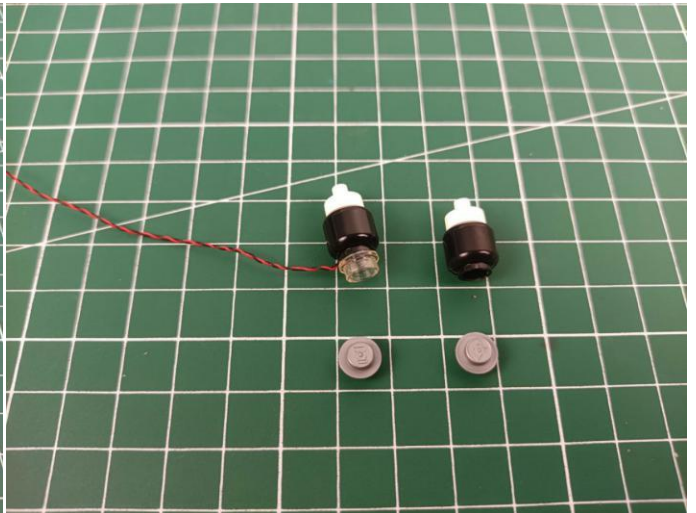
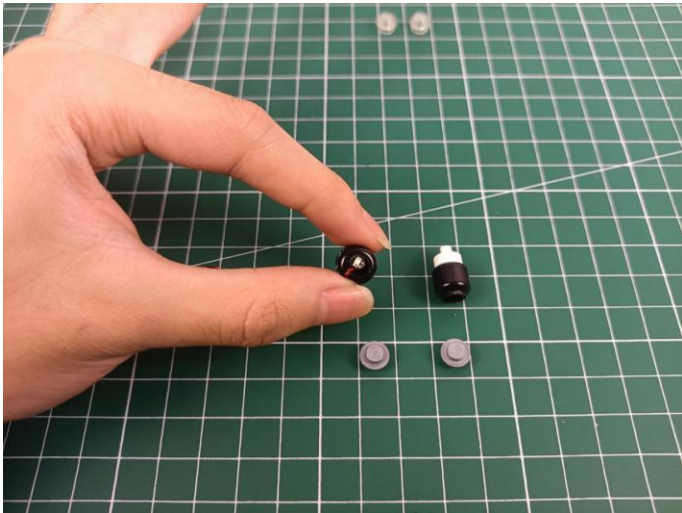
Take 2 red 15cm dot lights, 2 trans white 1x1 round plates.



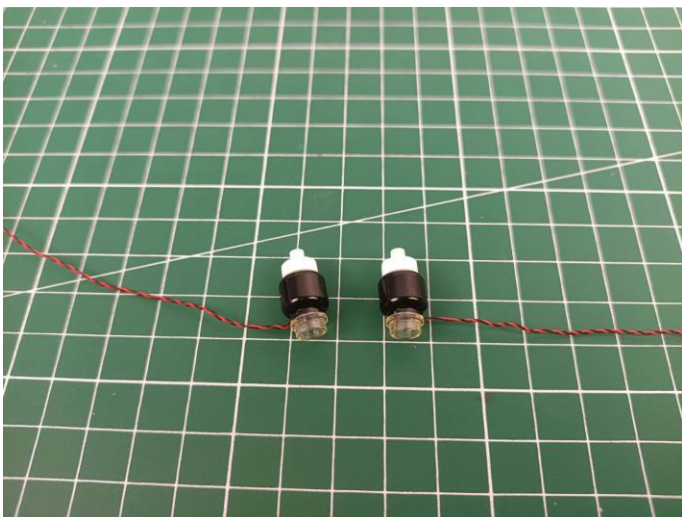
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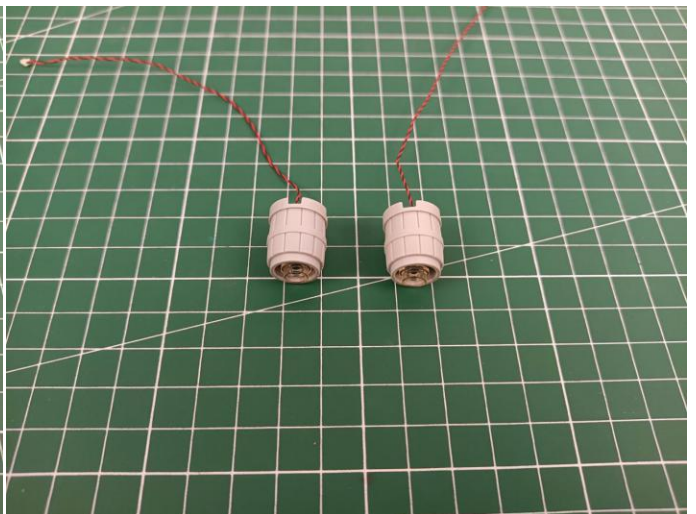
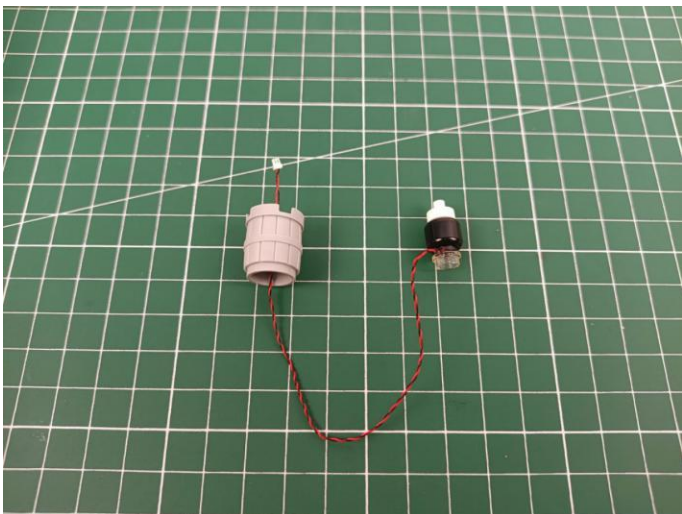
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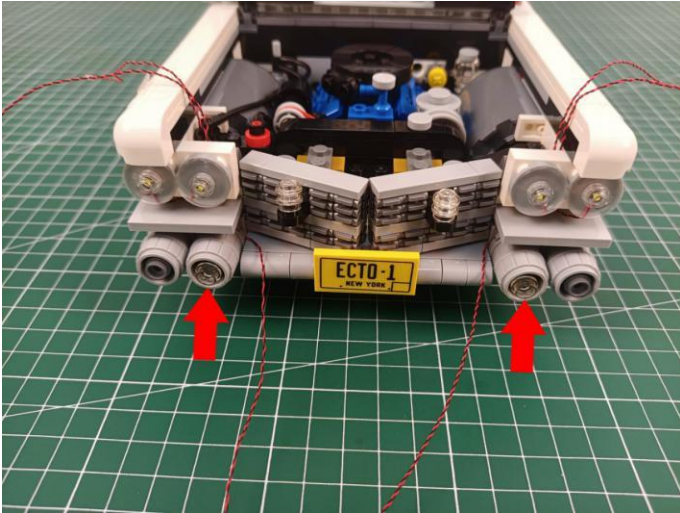
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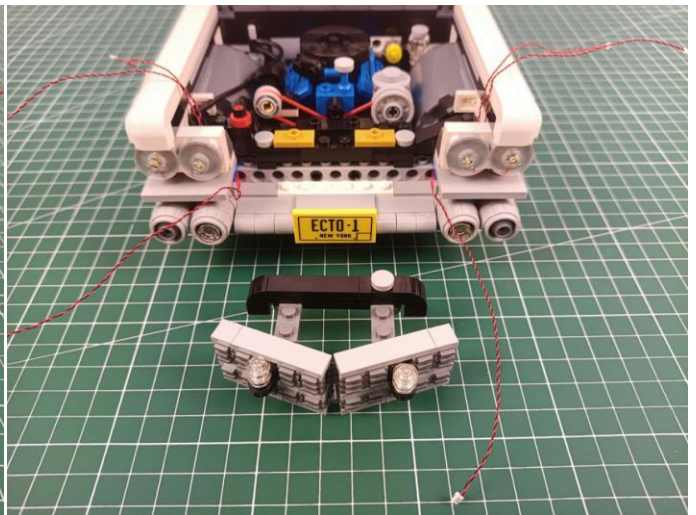
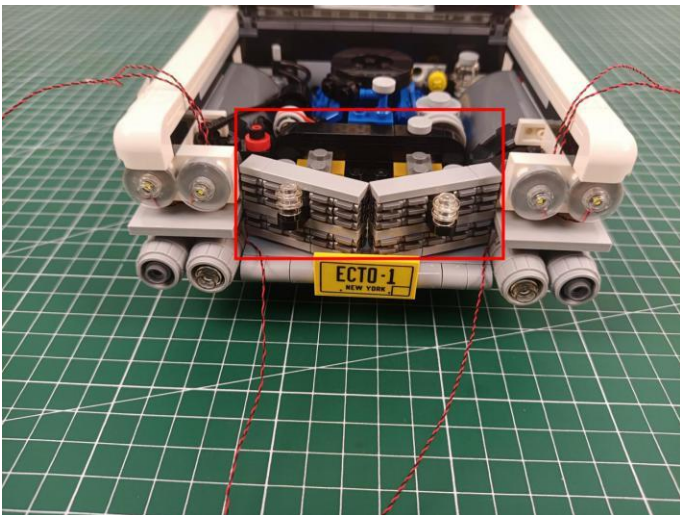
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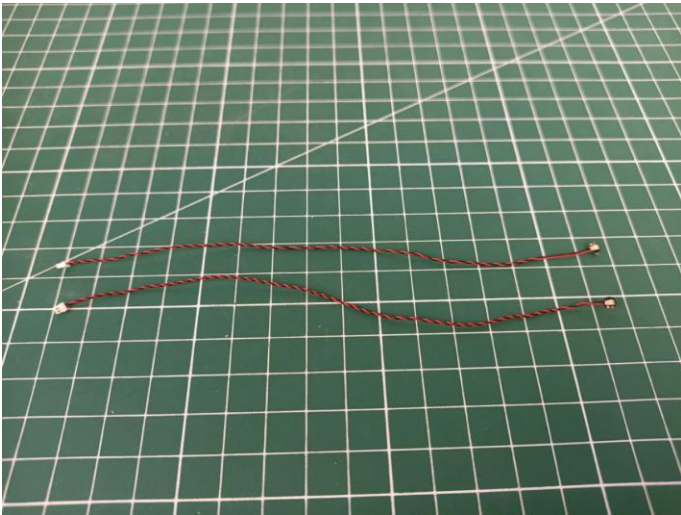
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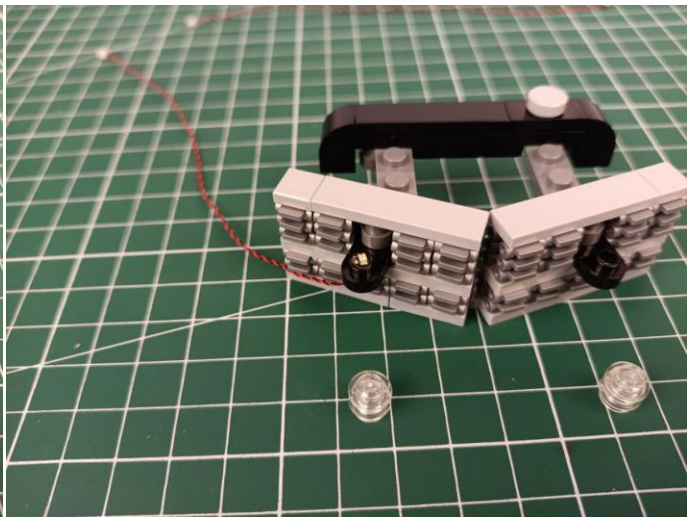
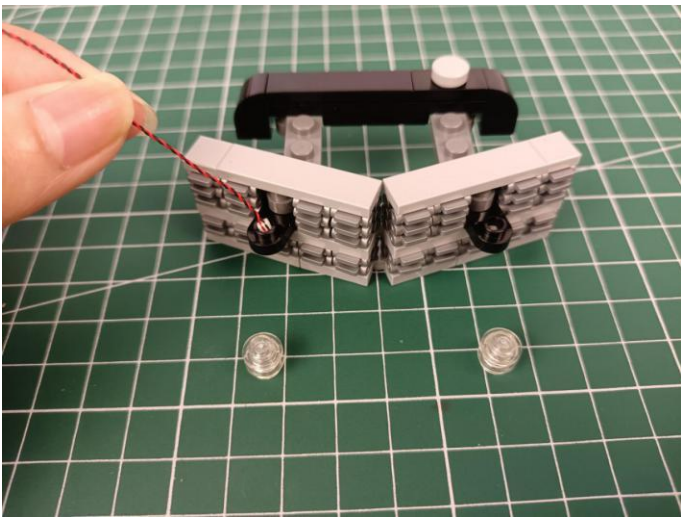
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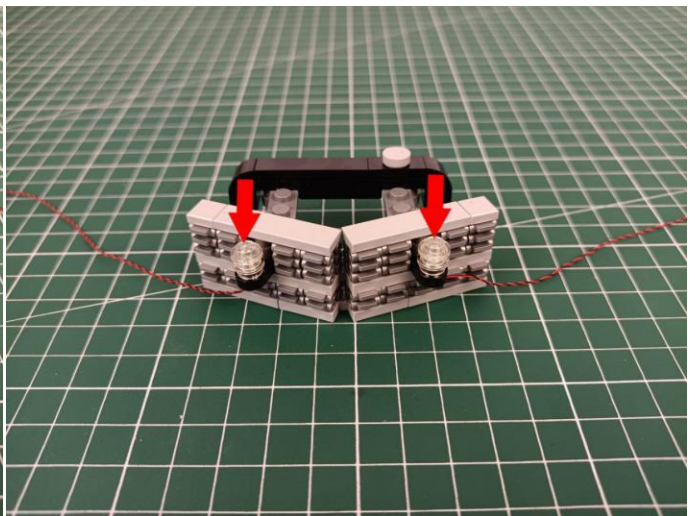
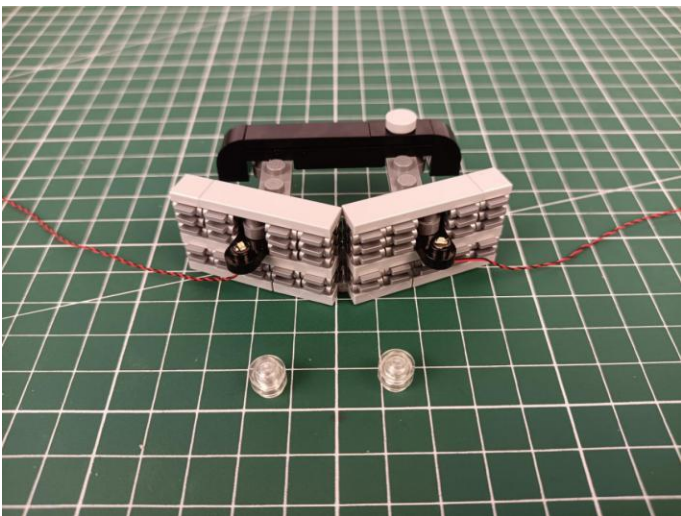
Take 2 yellow 15cm dot lights.



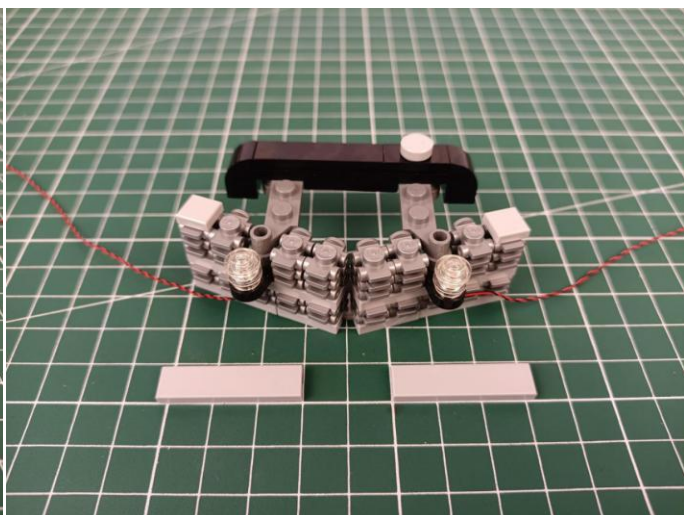
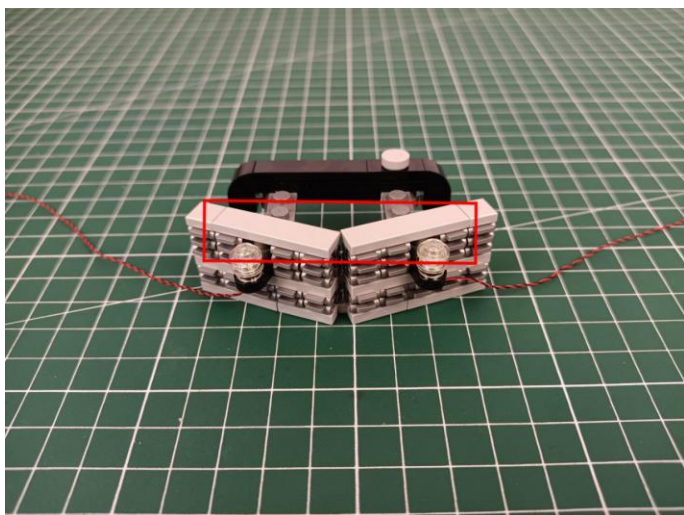
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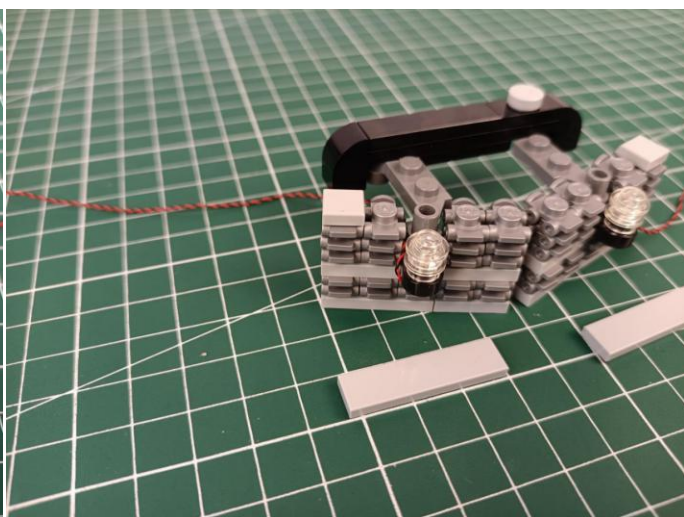
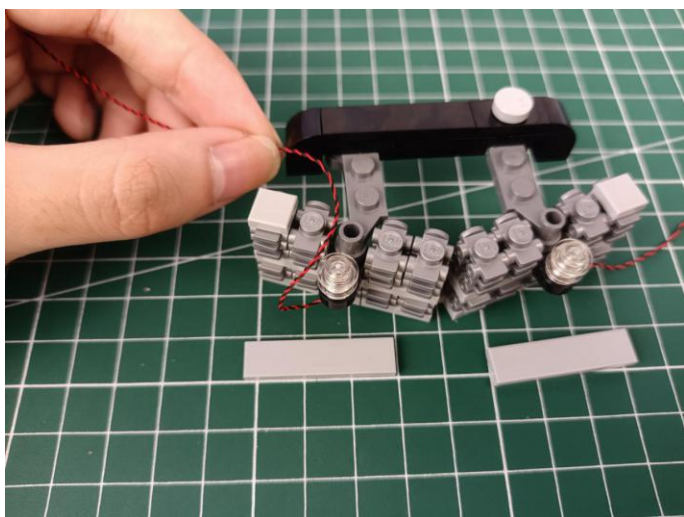
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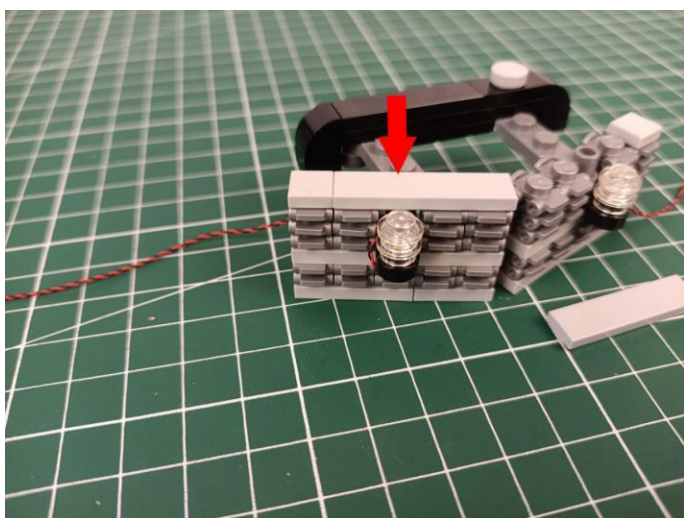
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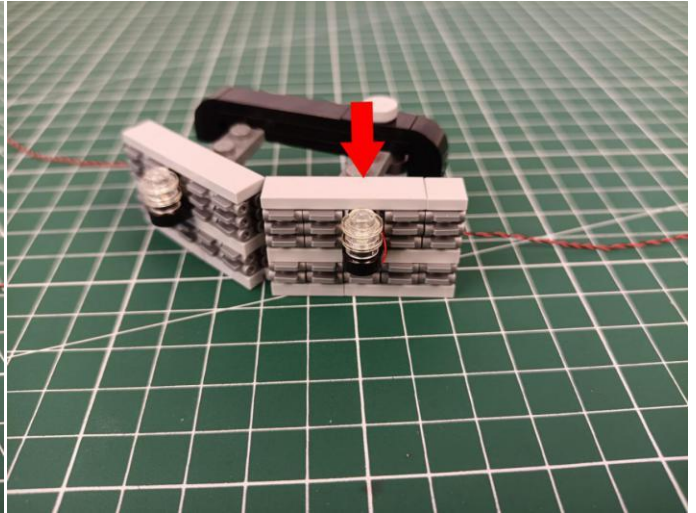
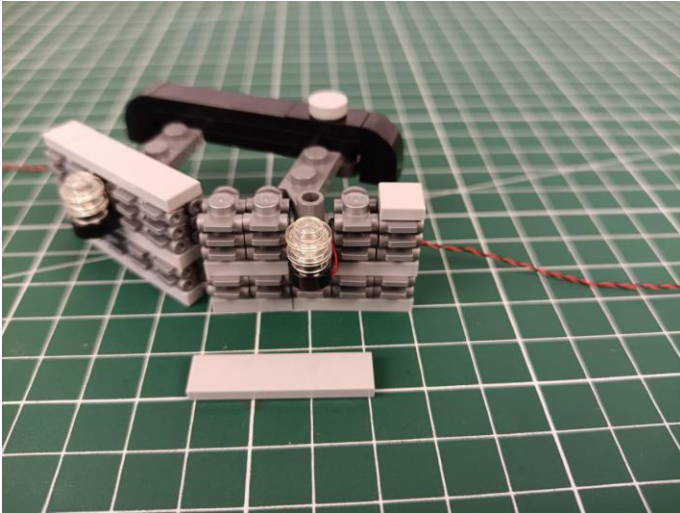
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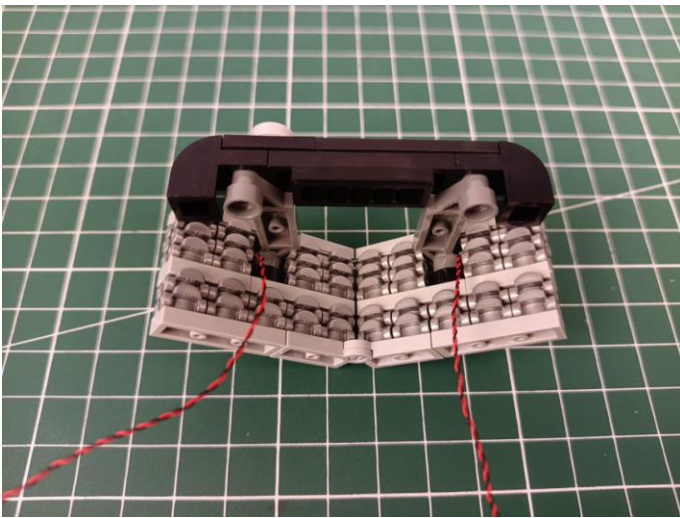
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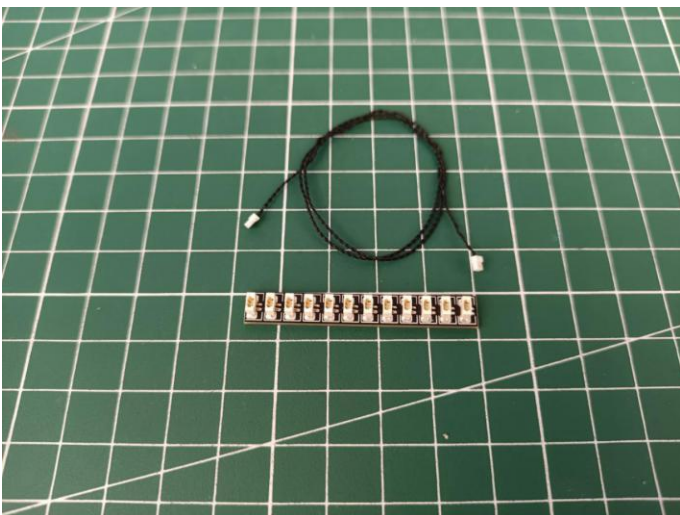
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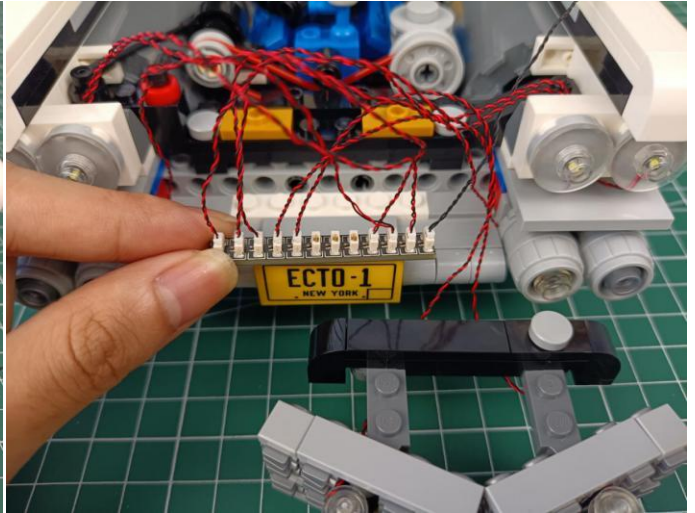
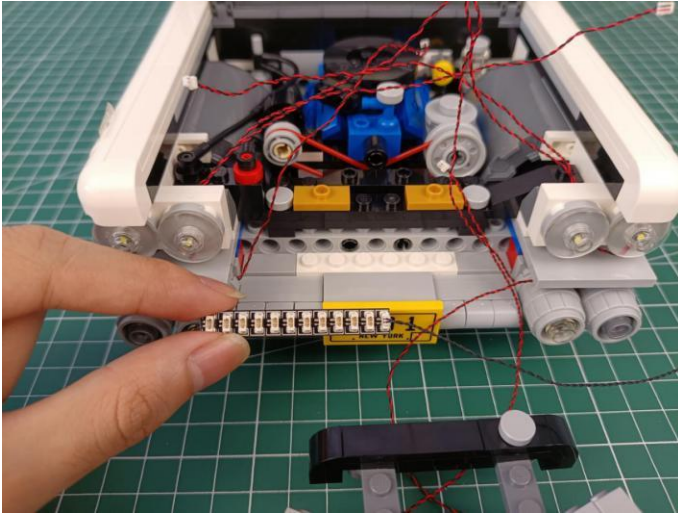
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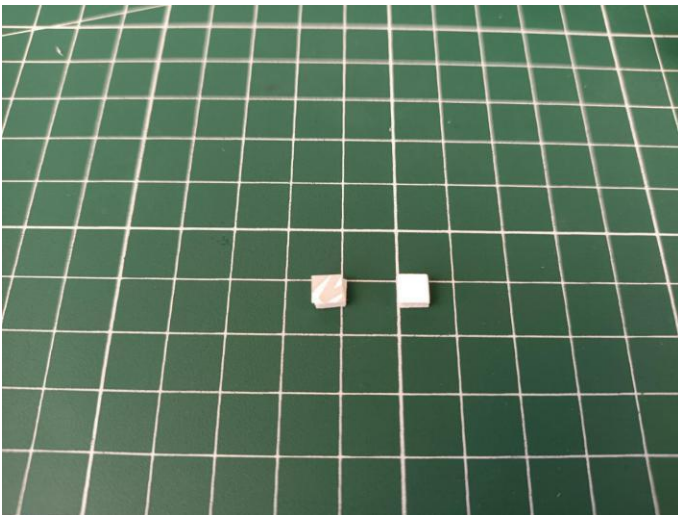
Take a 30cm connecting cable, a 12-port expansion board, assemble them as per below.



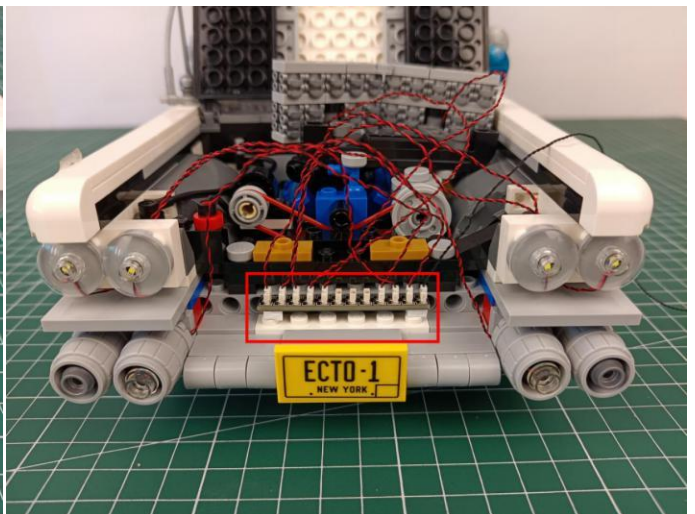
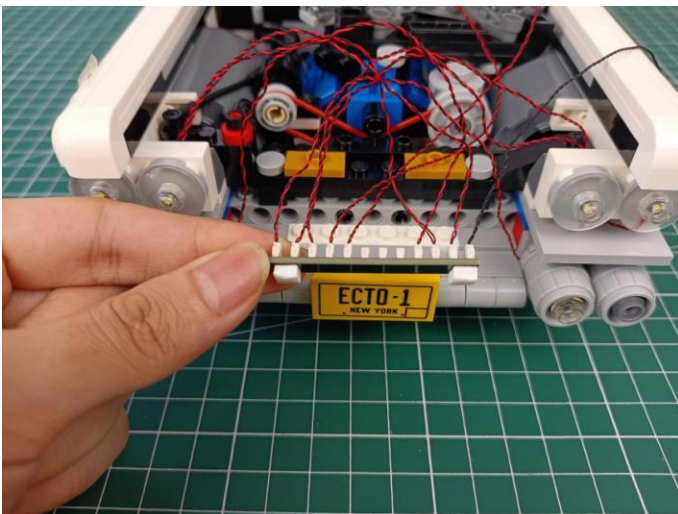
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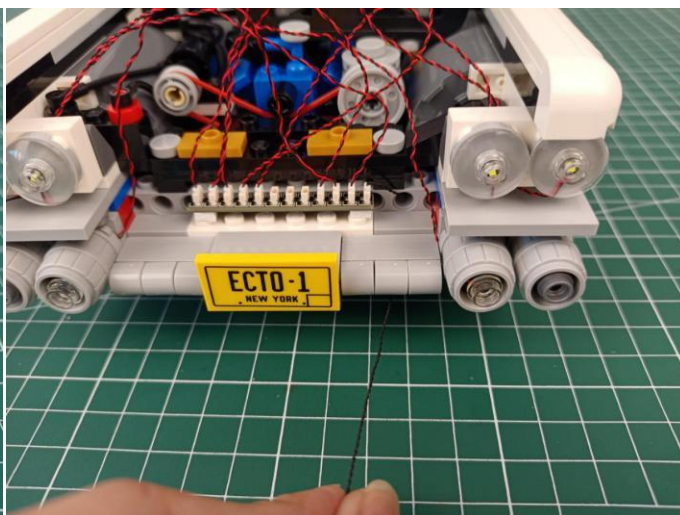
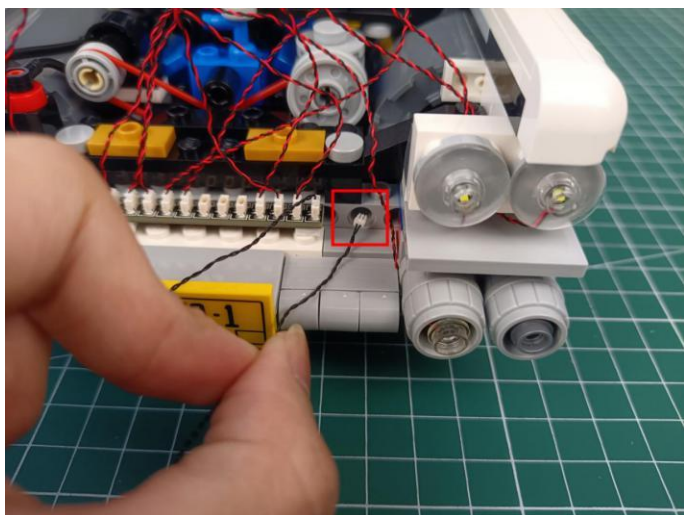
Take 2 adhesive squares.



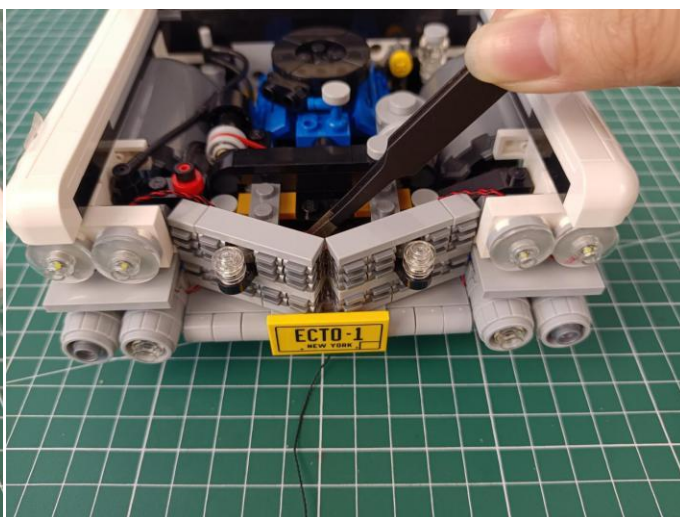
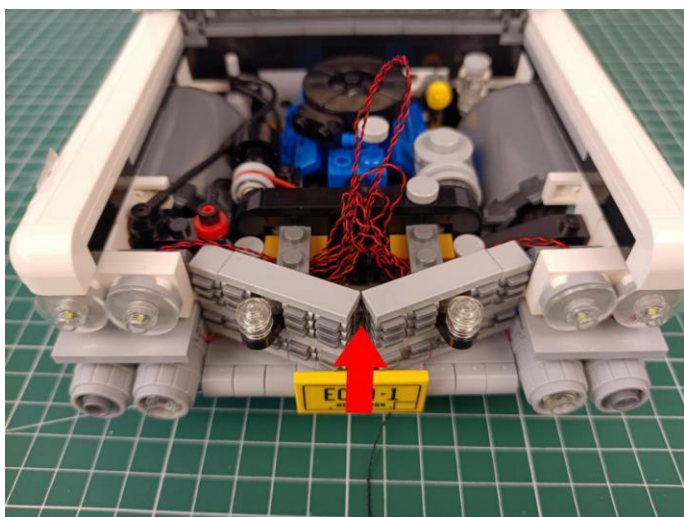
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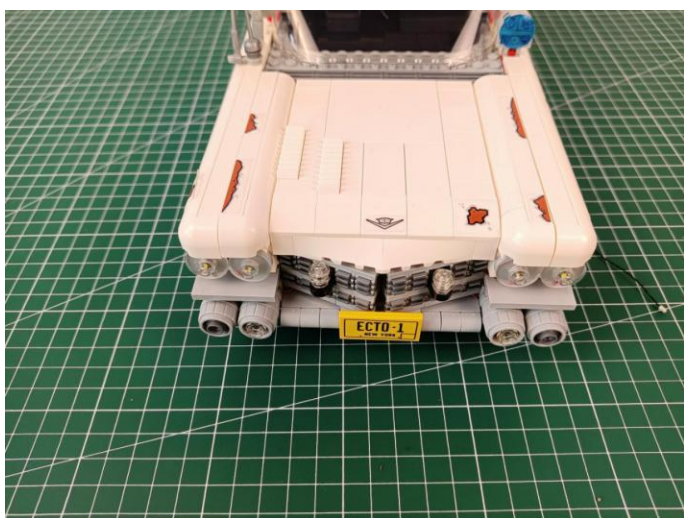
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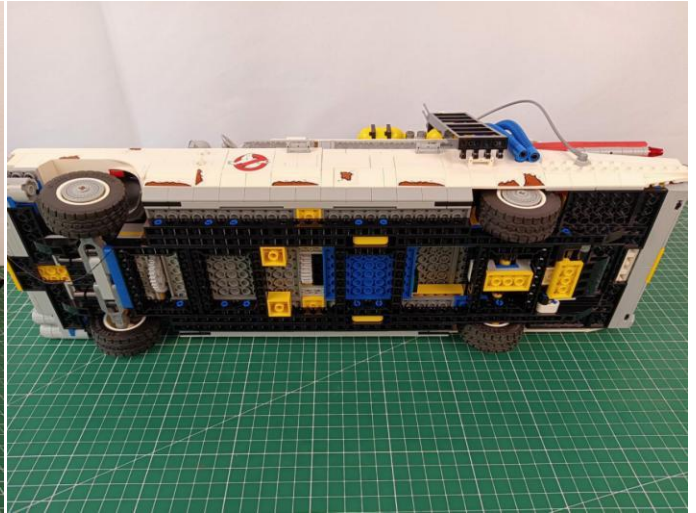
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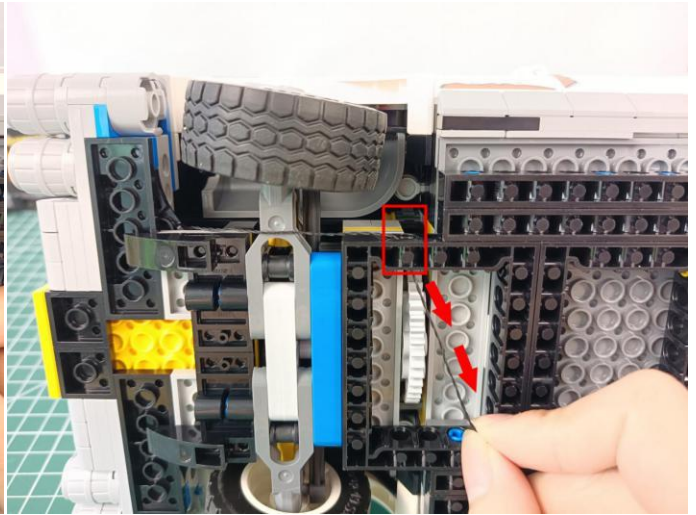
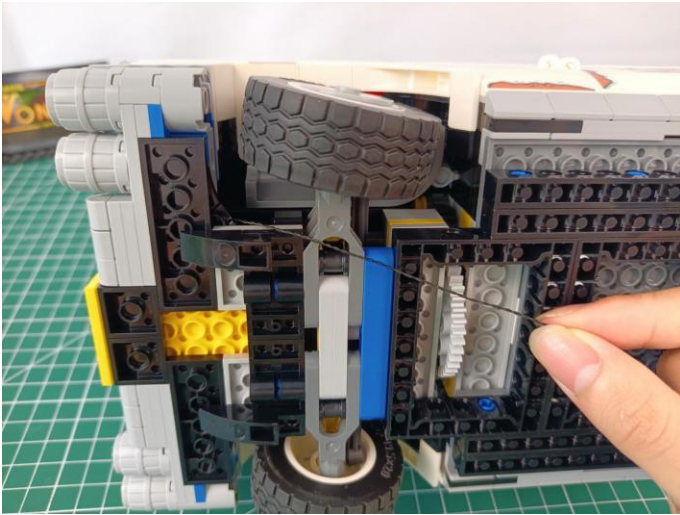
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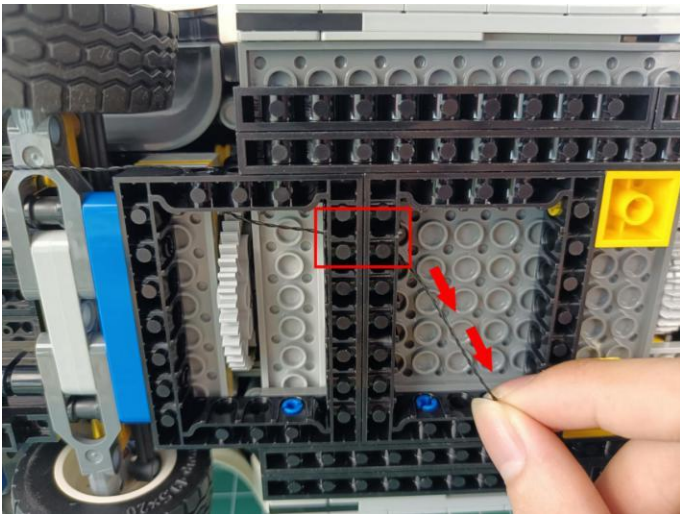
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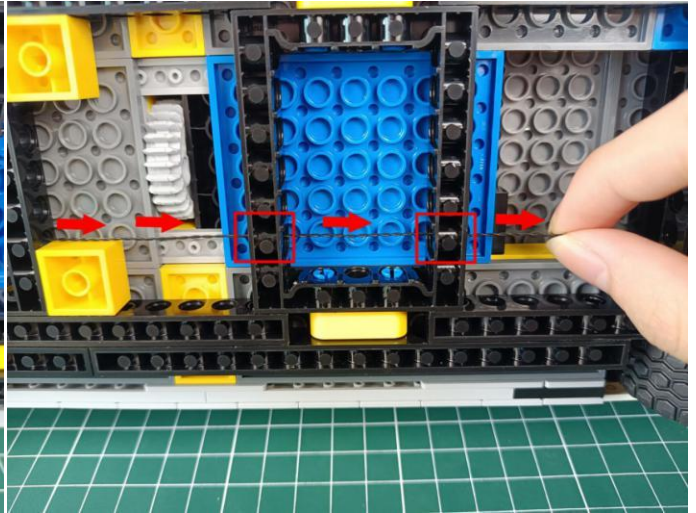
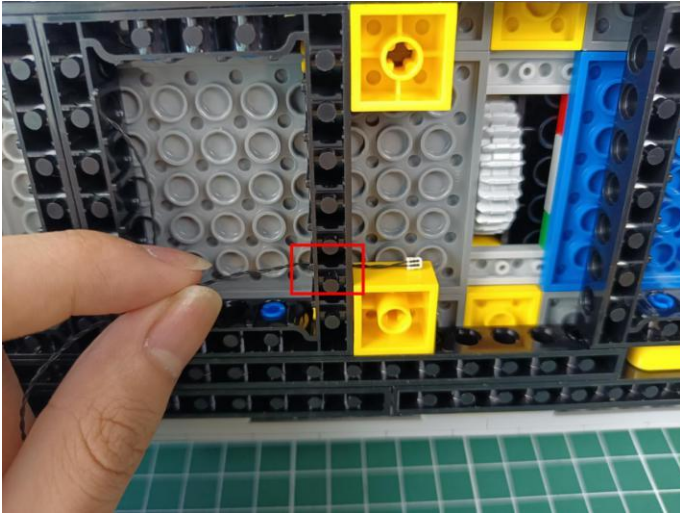
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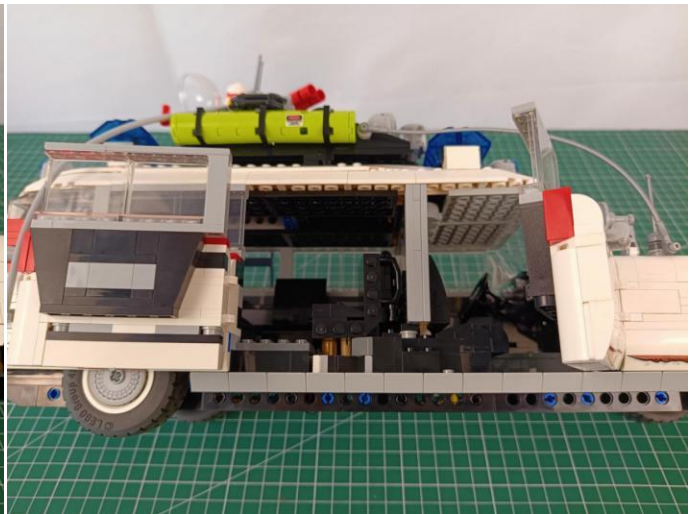
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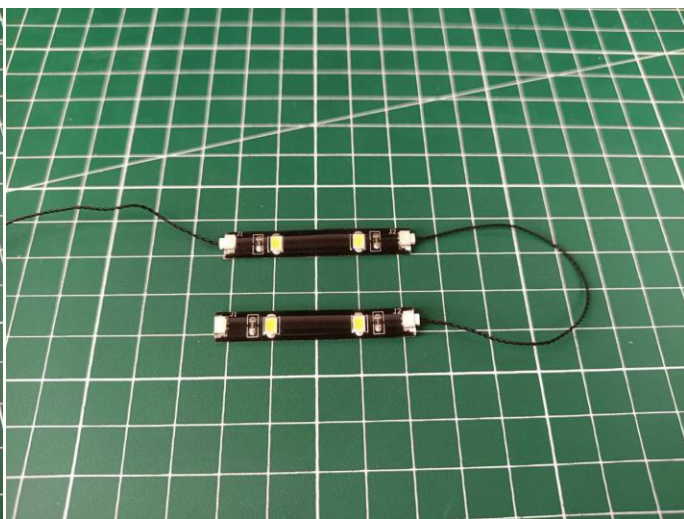
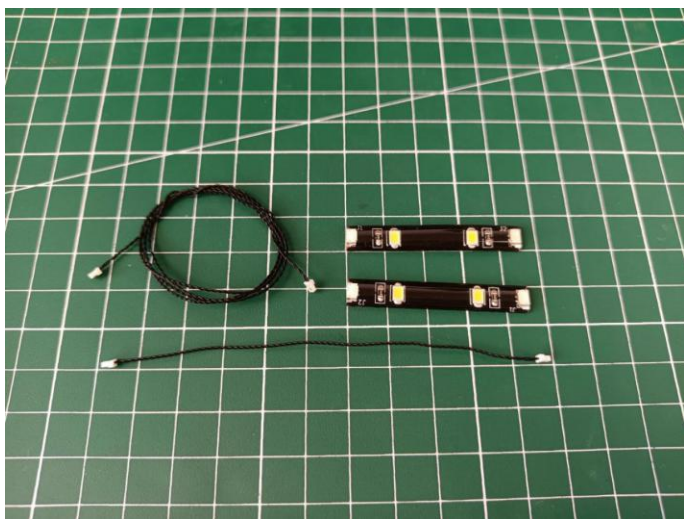
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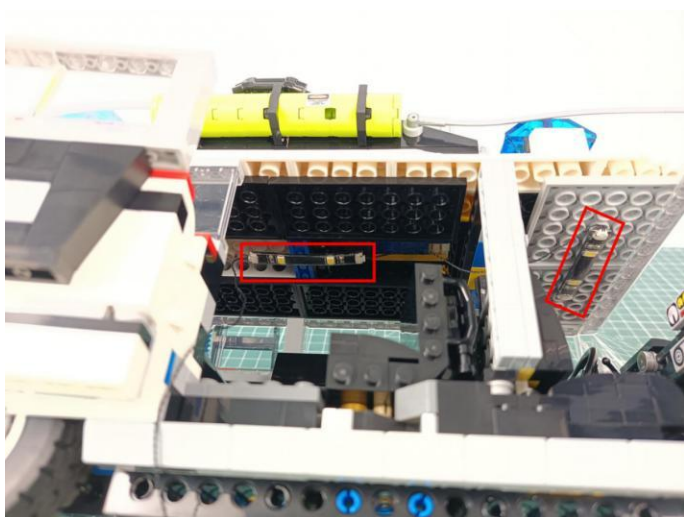
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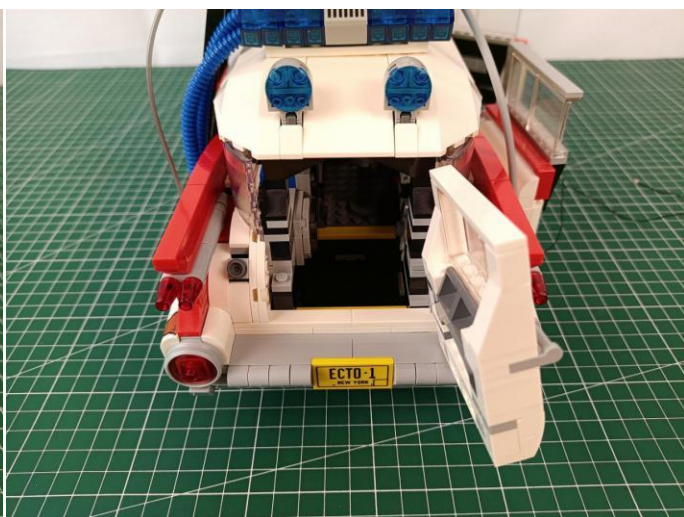
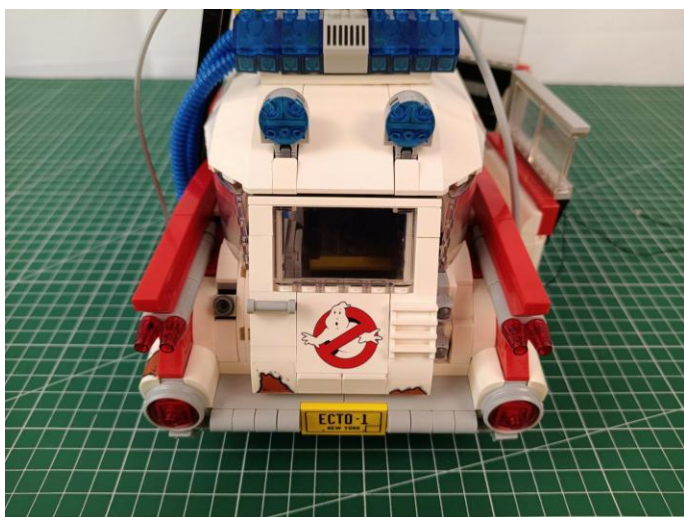
Take a 10cm connecting cable, a 50cm connecting cable, 2 warm white strip lights, assemble them as per below.



35



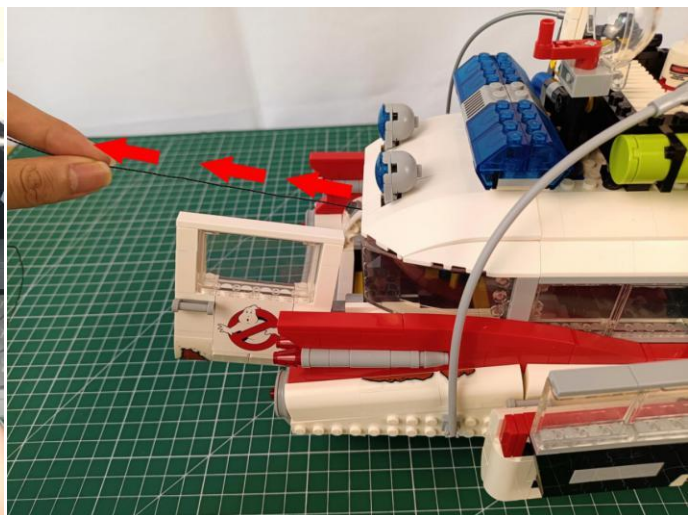
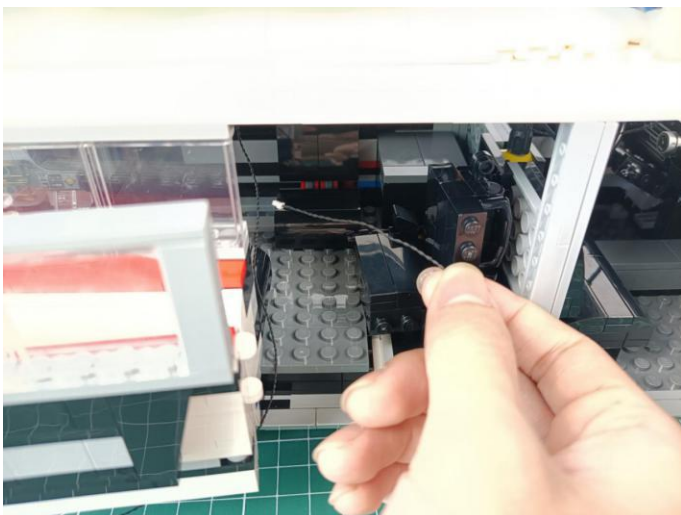
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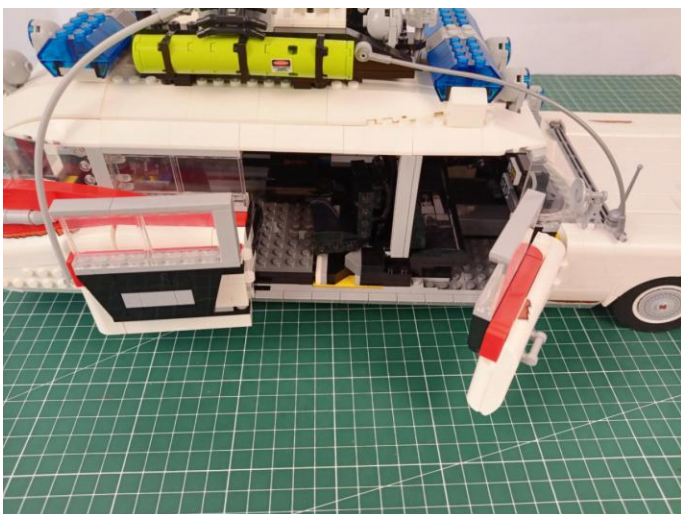
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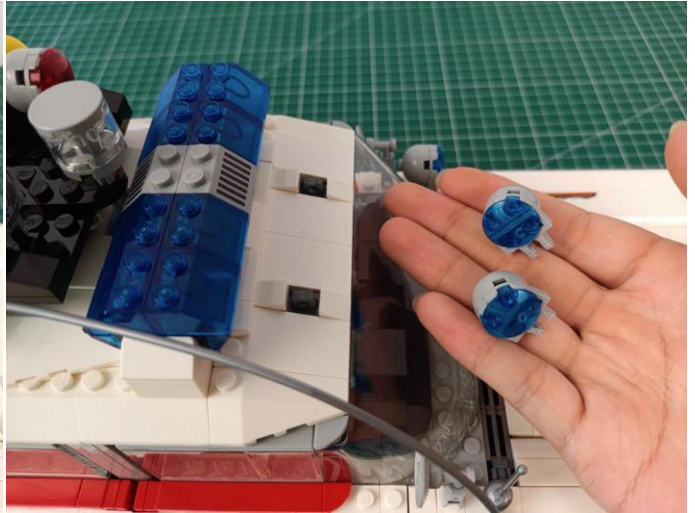
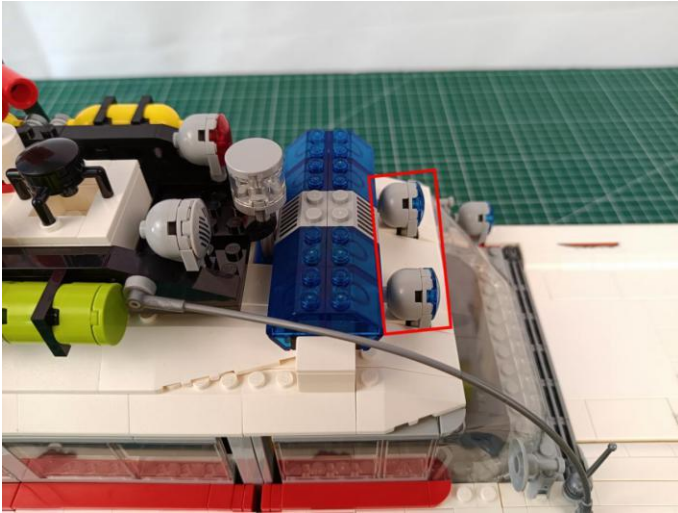
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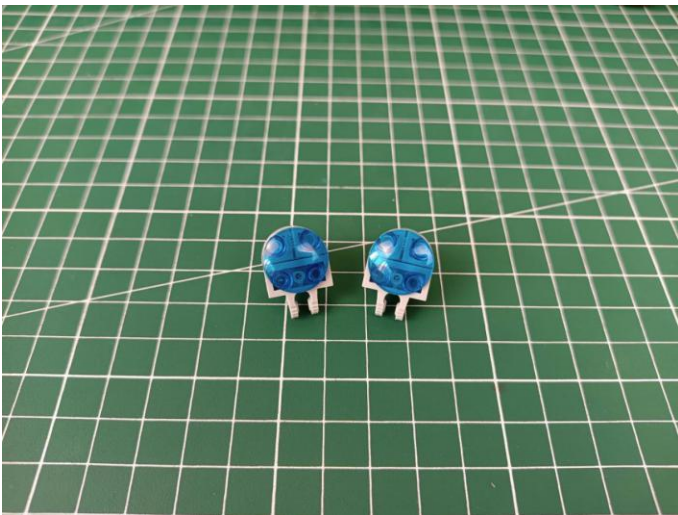
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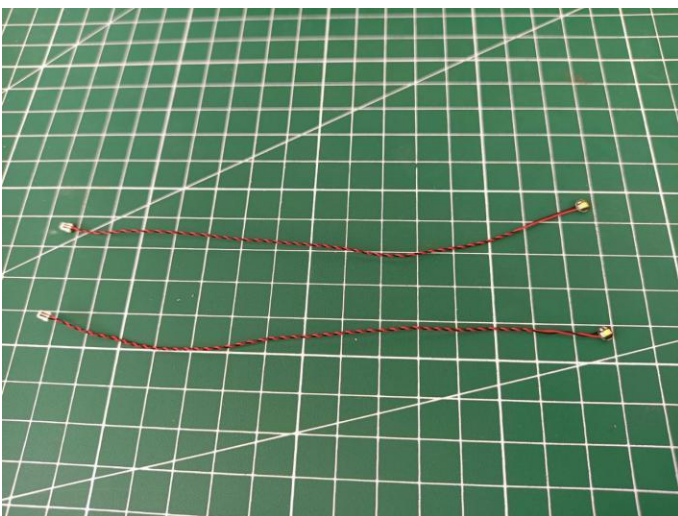
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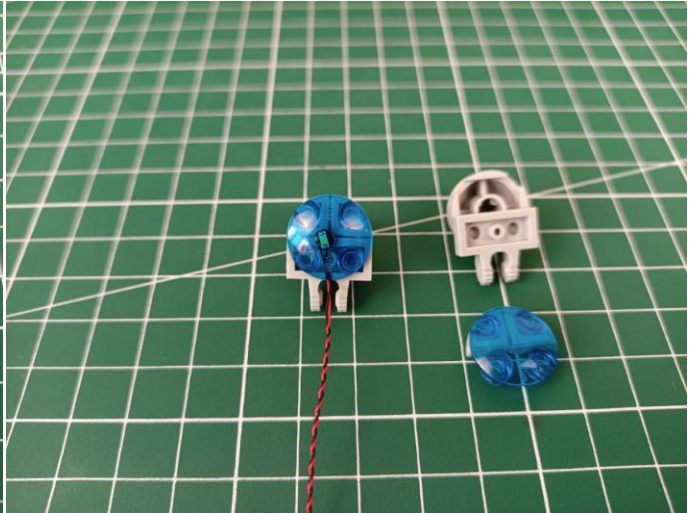
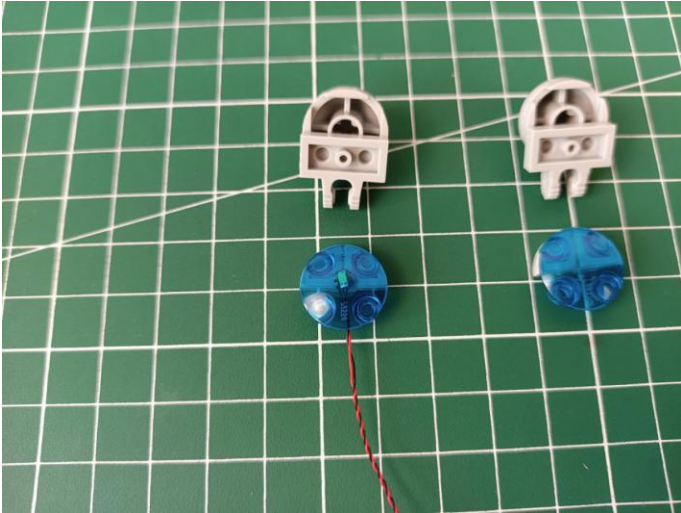
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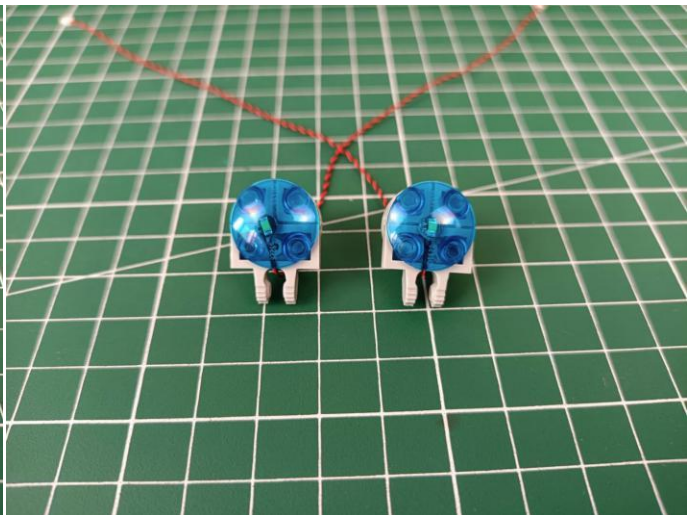
Take 2 white 15cm dot lights.



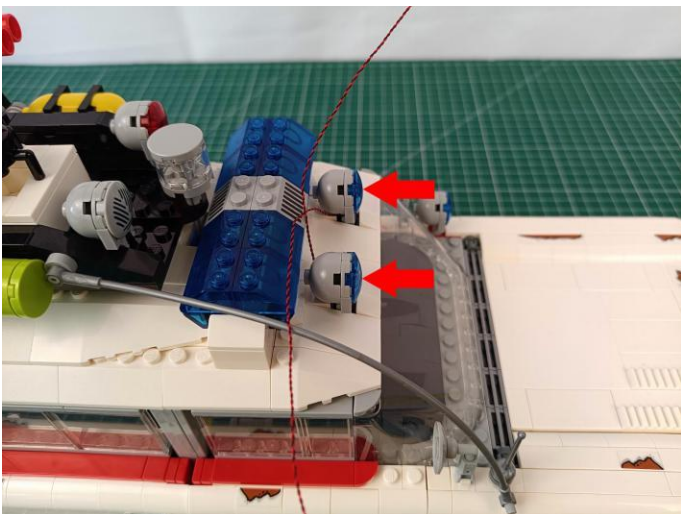
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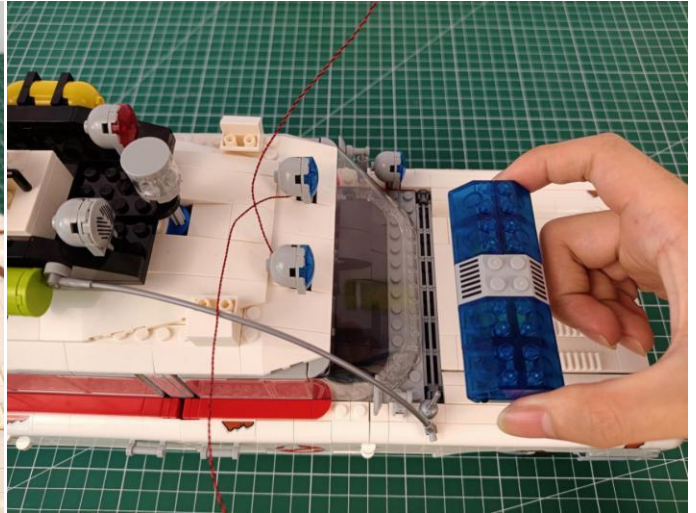
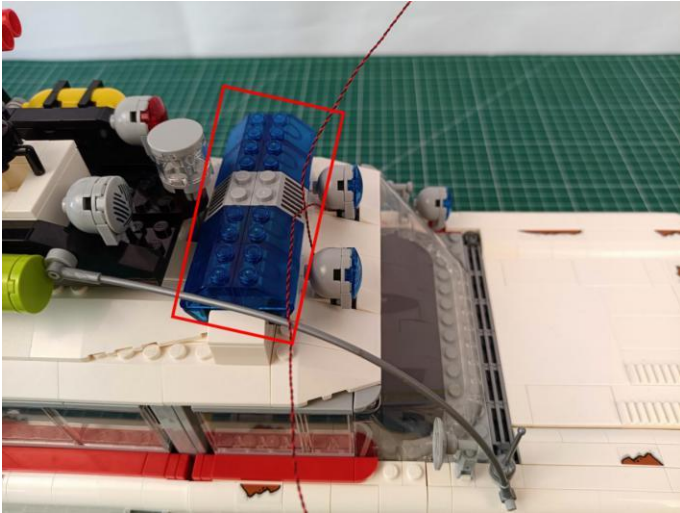
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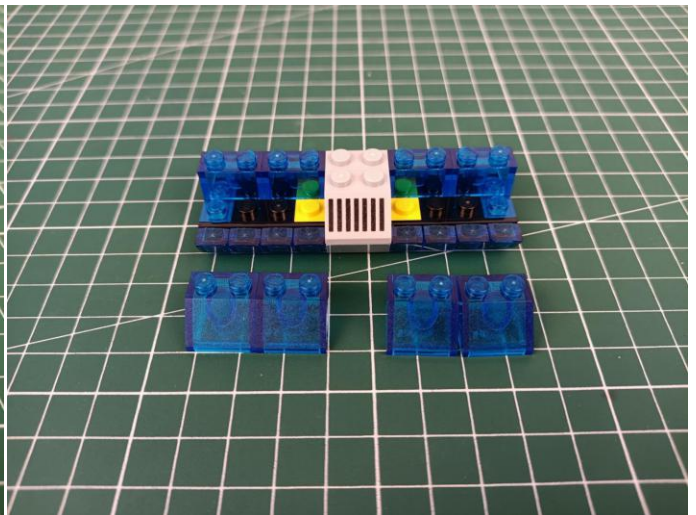
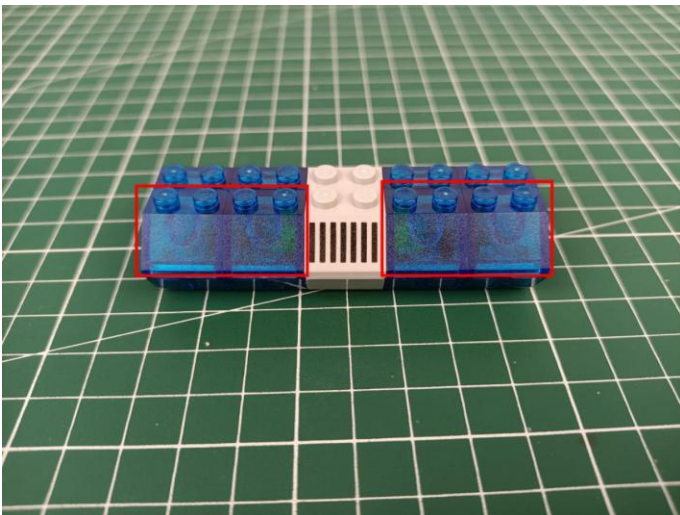
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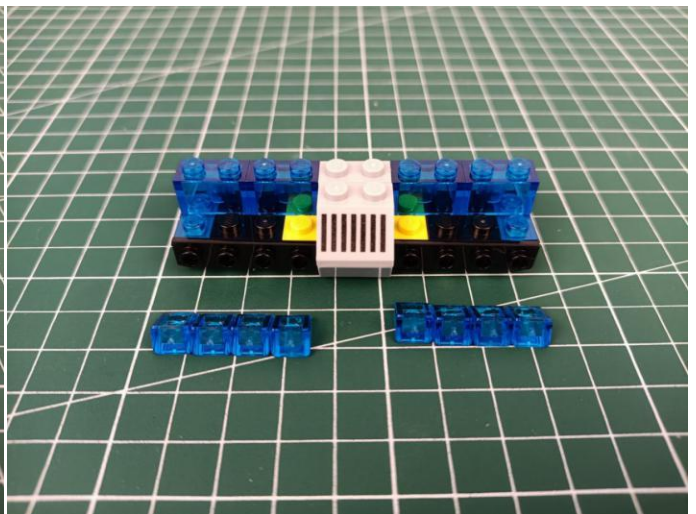
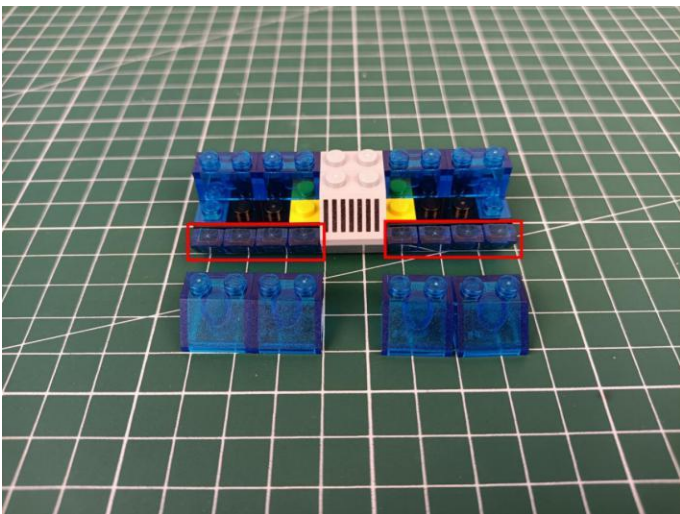
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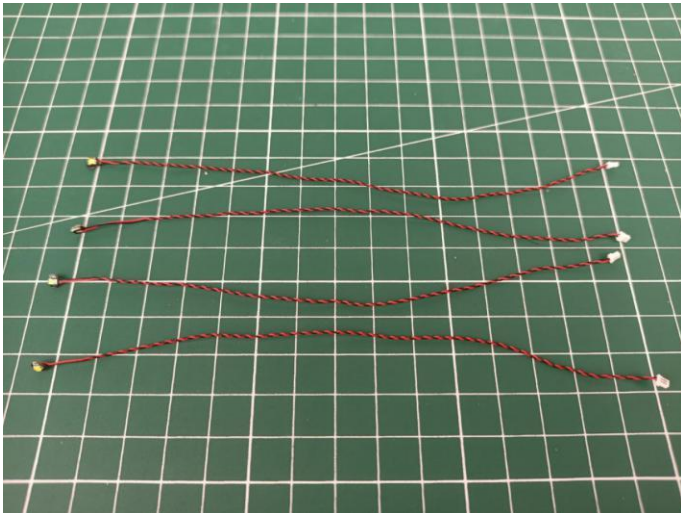
46



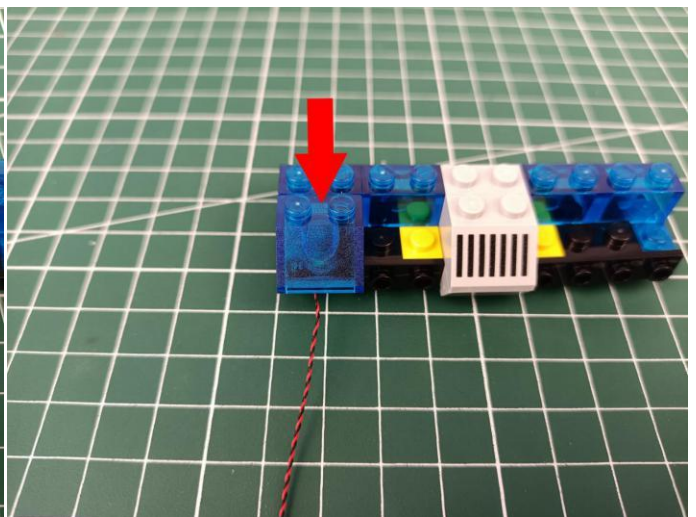
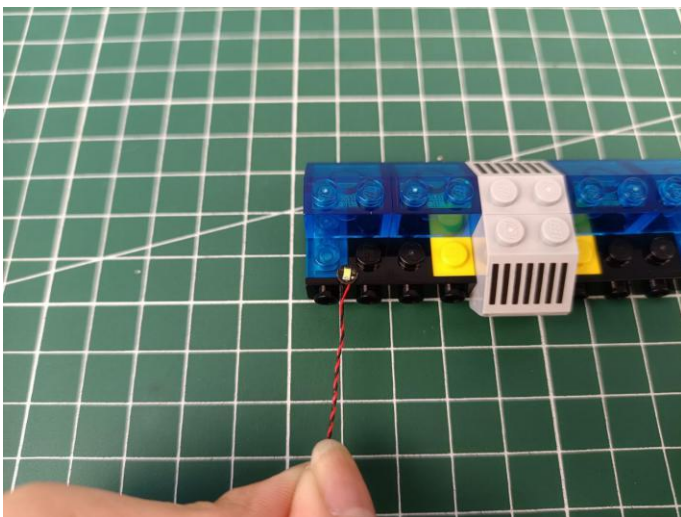
47



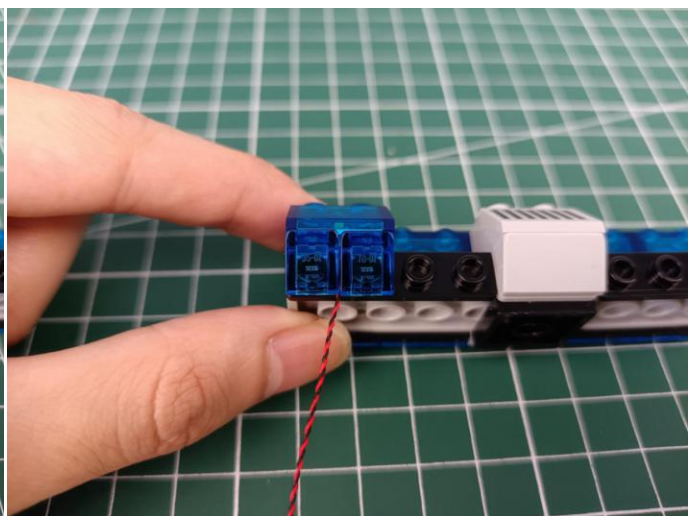
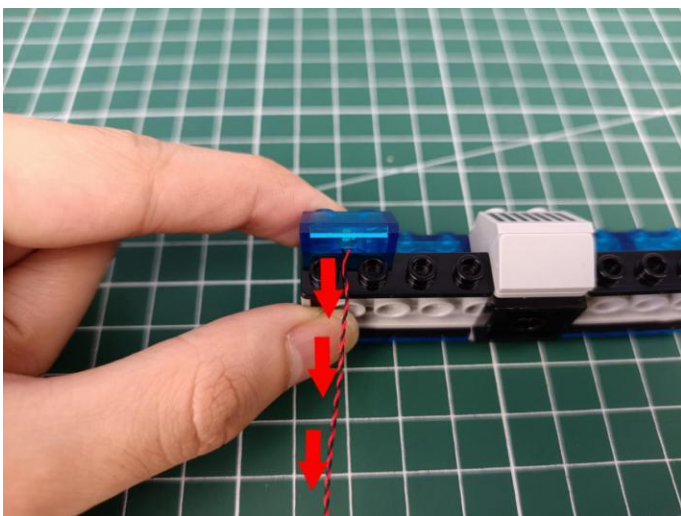
Take 4 white 15cm dot lights.



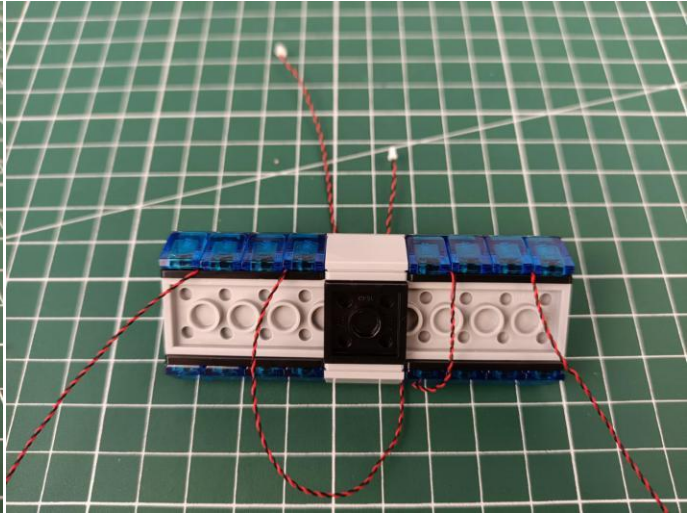
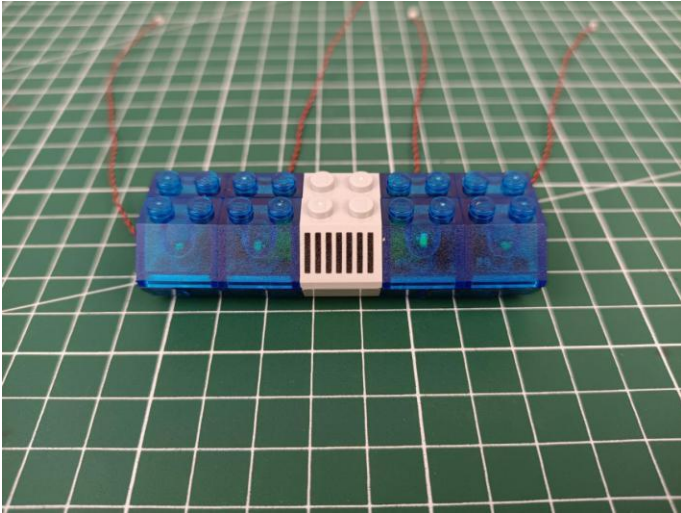
48



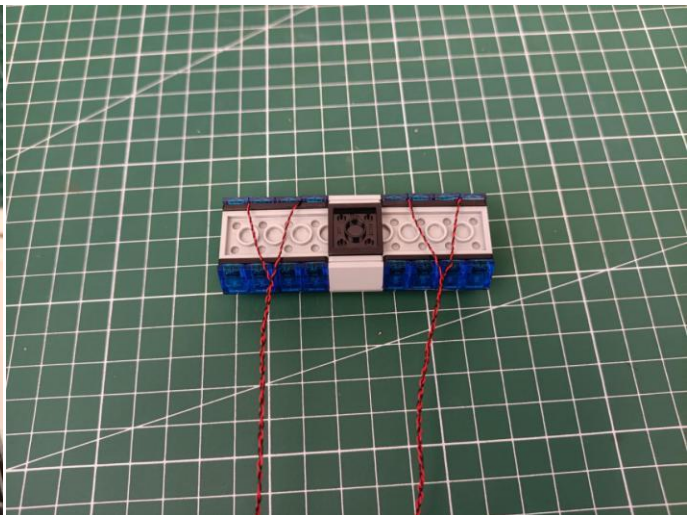
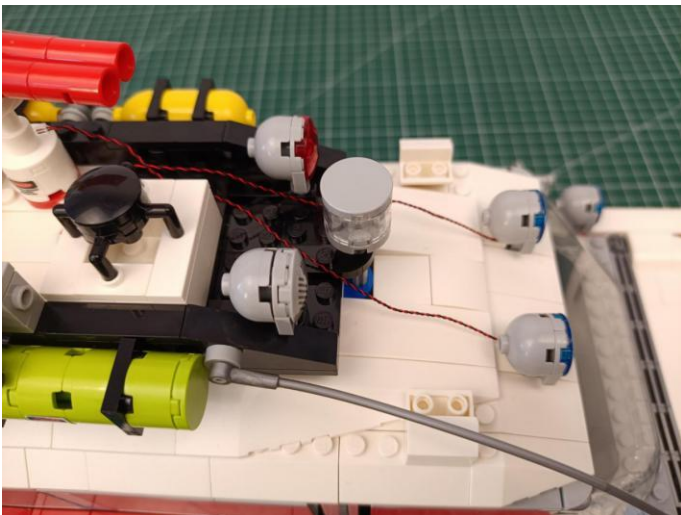
49



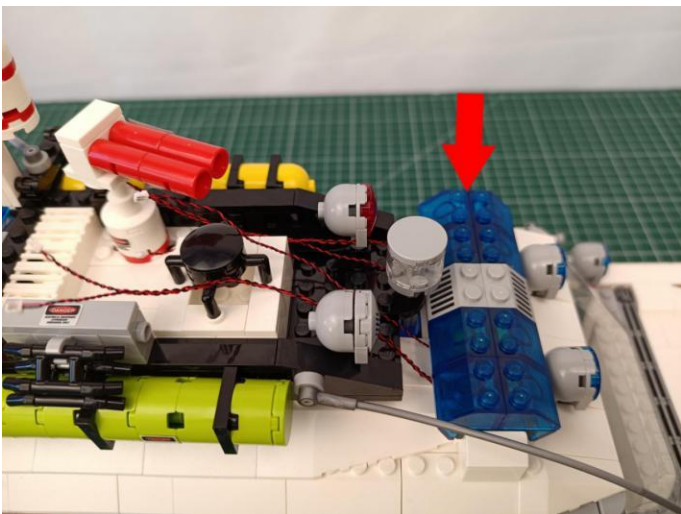
50



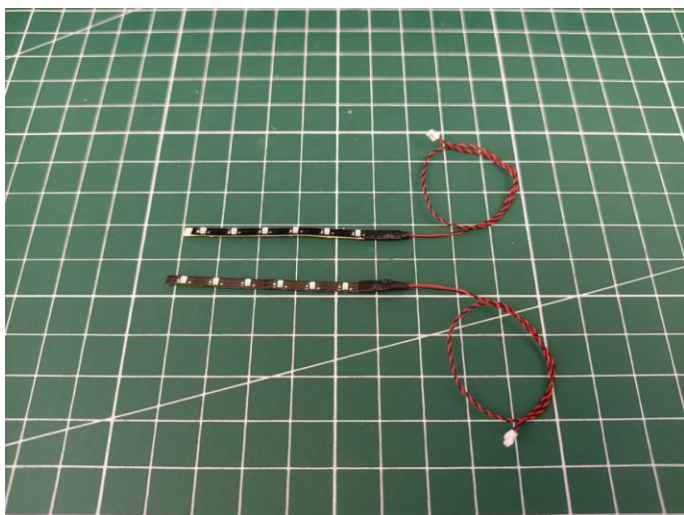
51



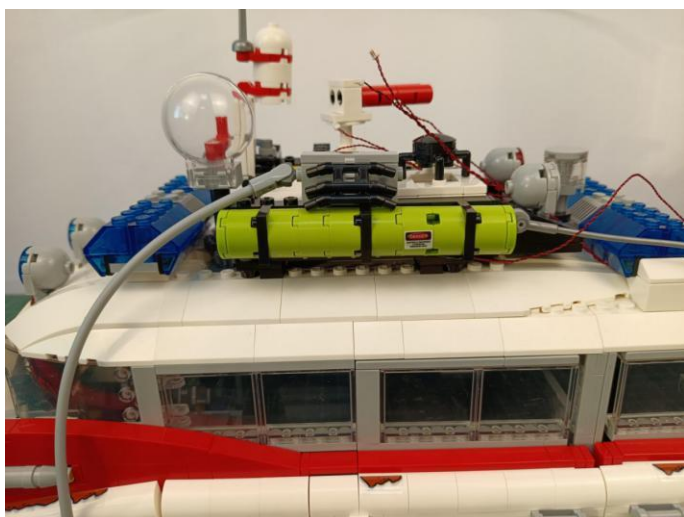
52



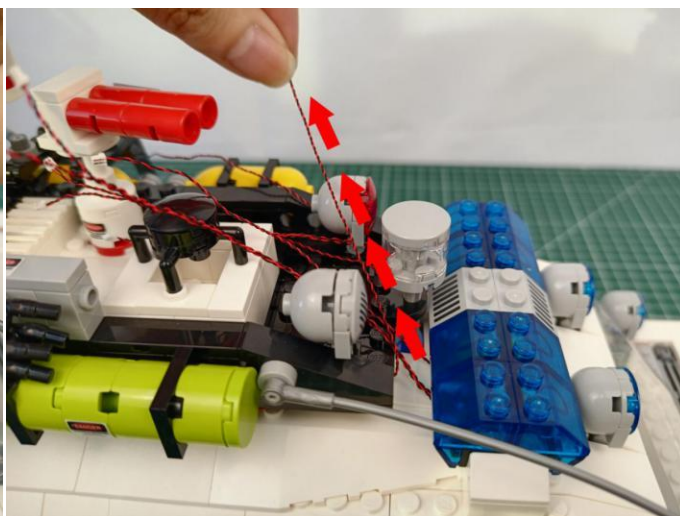
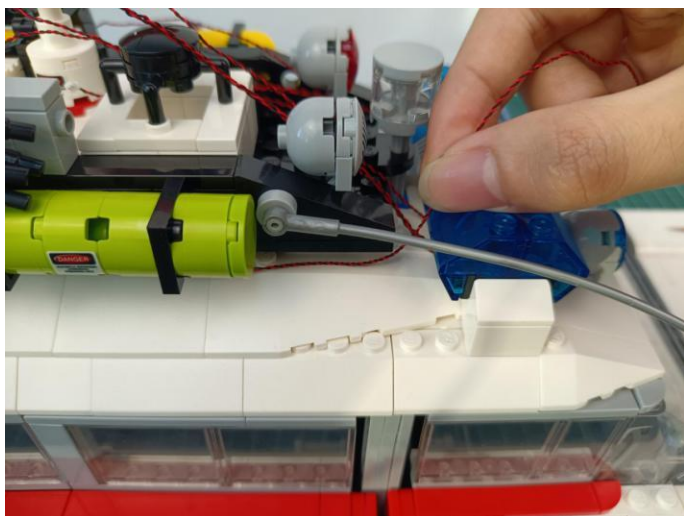
Take 2 green 15cm strip lights (with 7 lights).



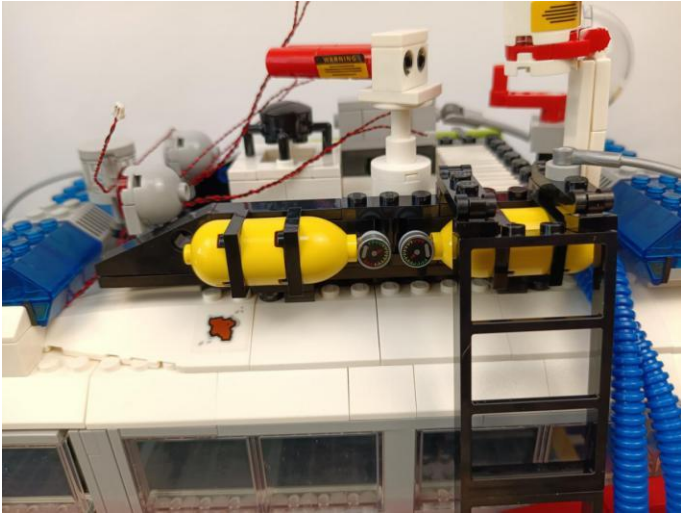
53



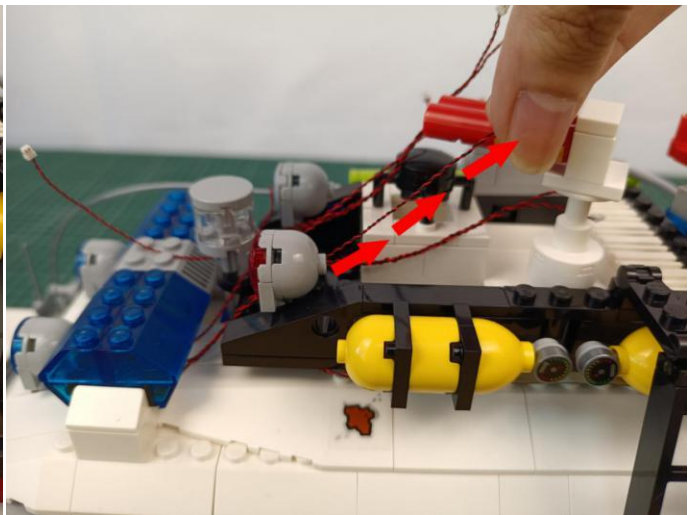
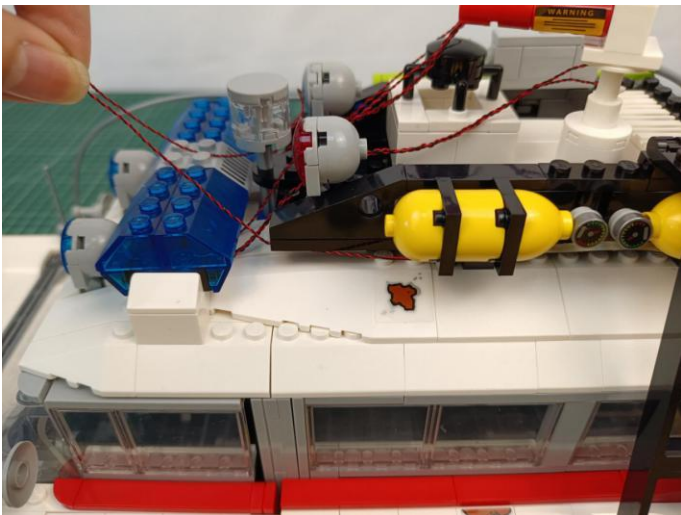
54



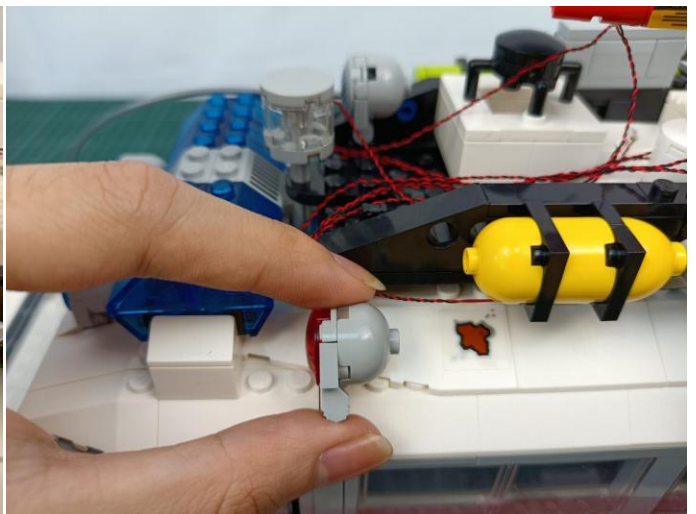
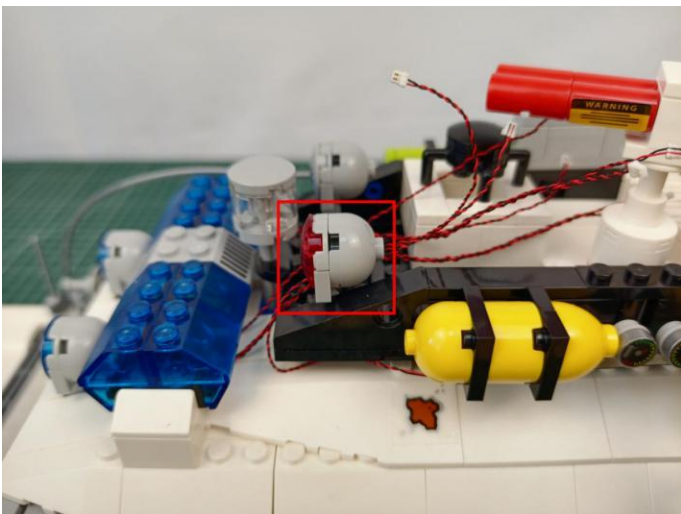
55



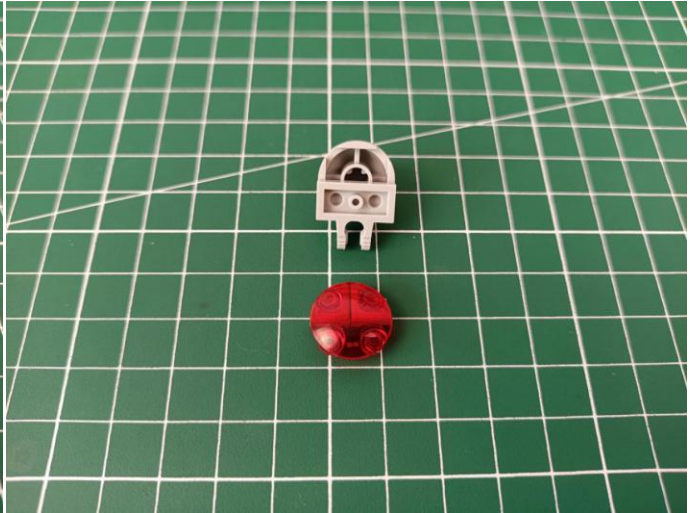
56



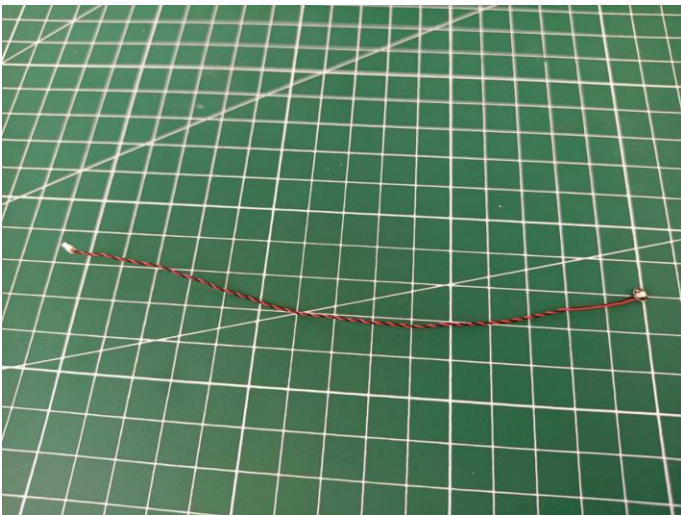
57



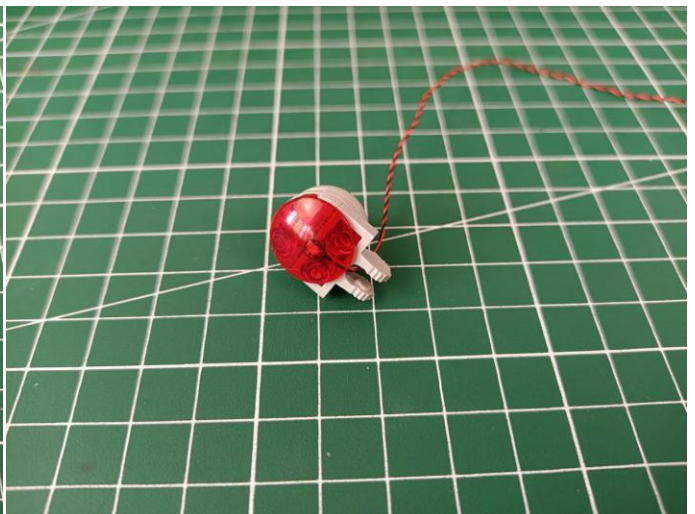
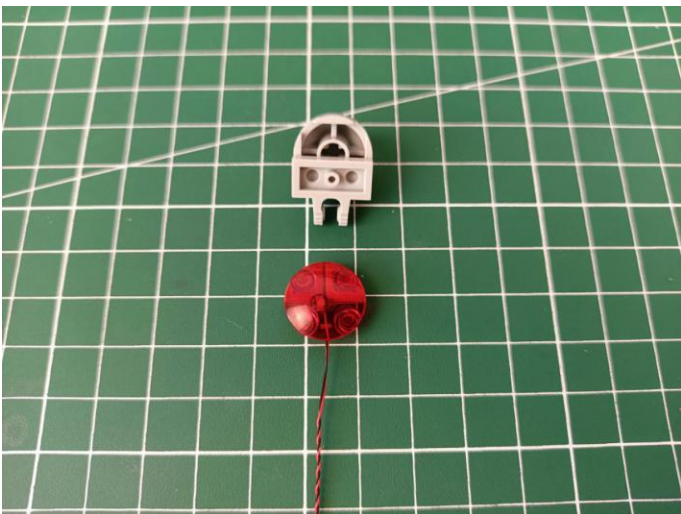
58



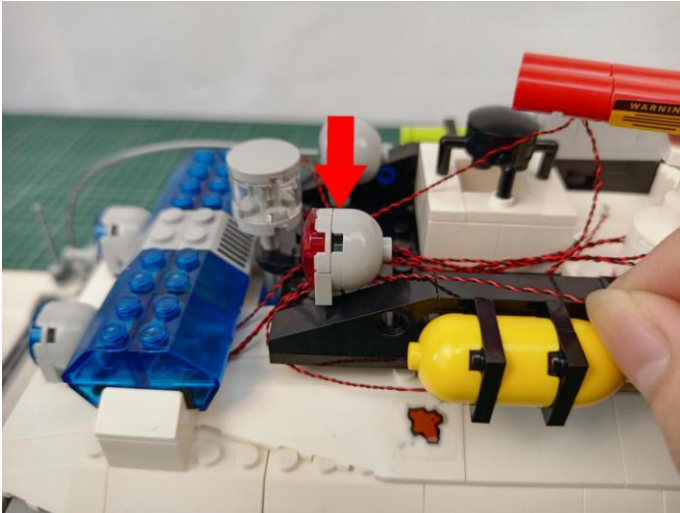
Take a red 15cm dot light.



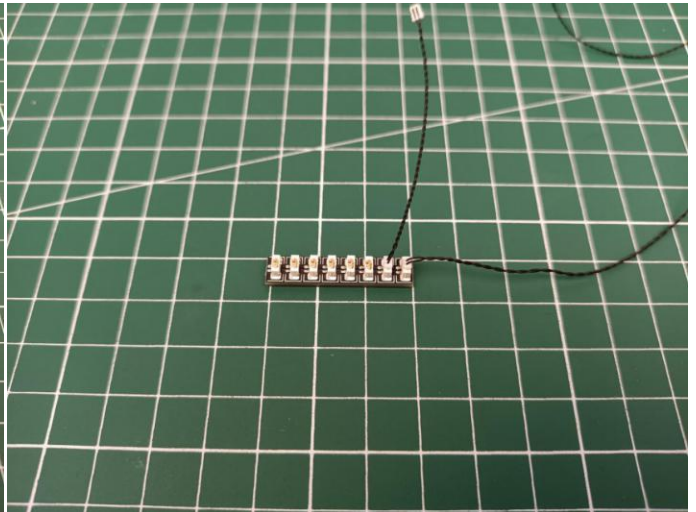
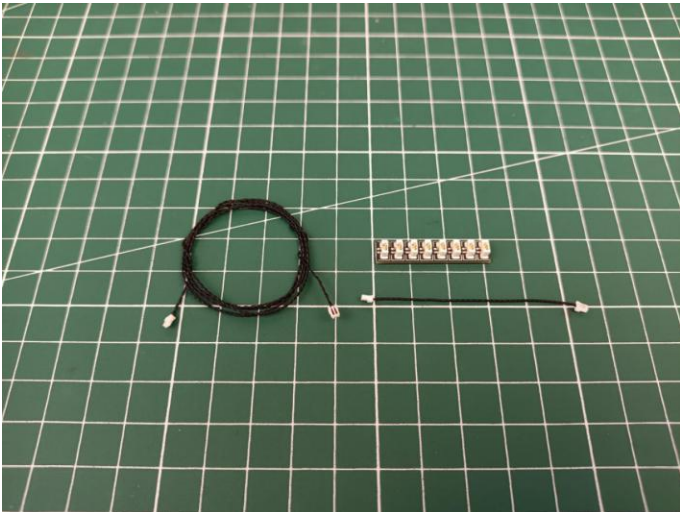
59



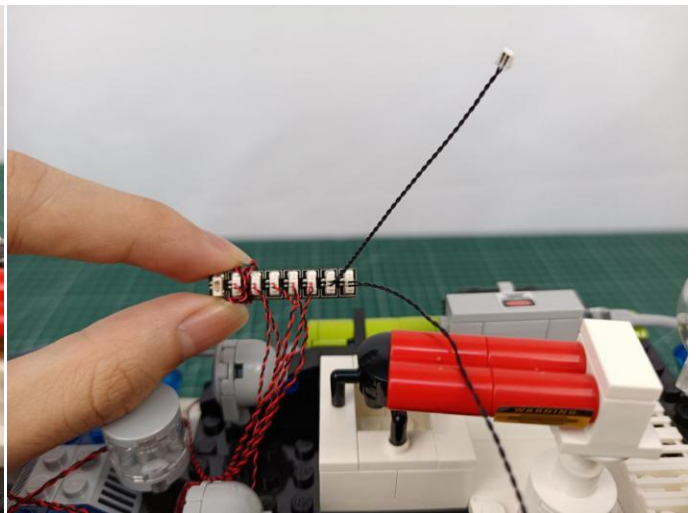
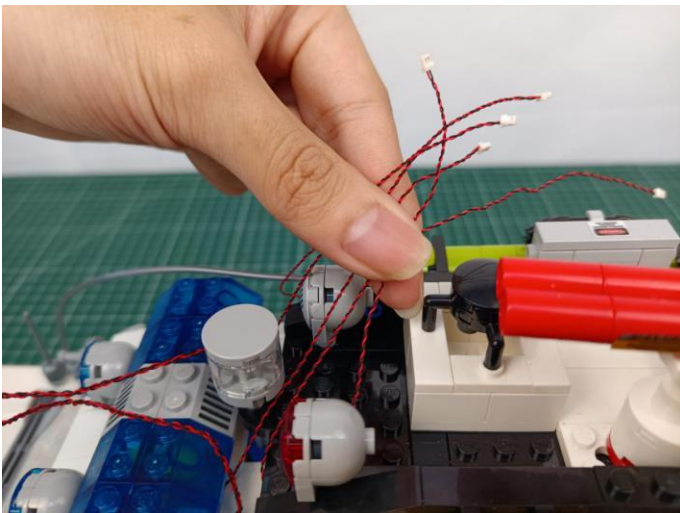
60



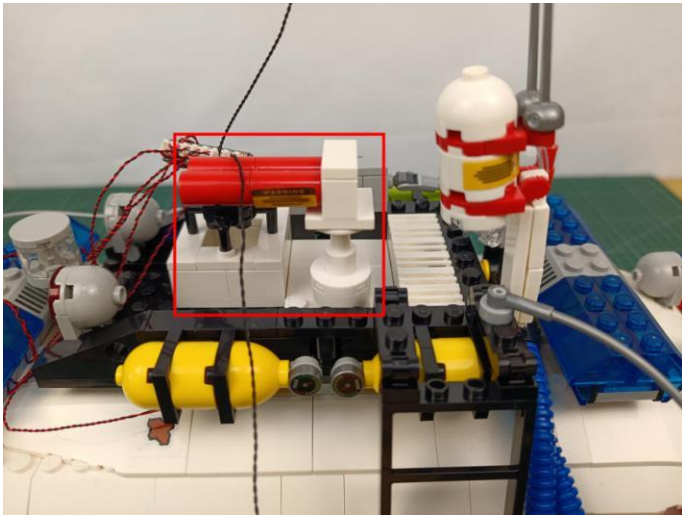
Take a 50cm connecting cable, a 5cm connecting cable, an 8-port expansion board, assemble them as per below.



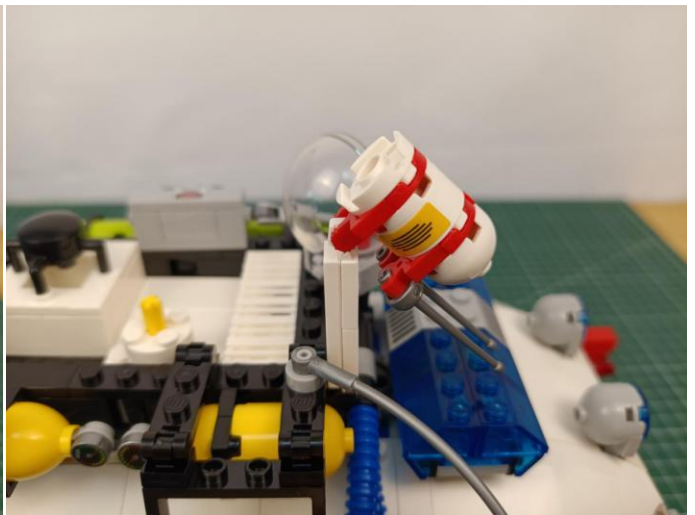
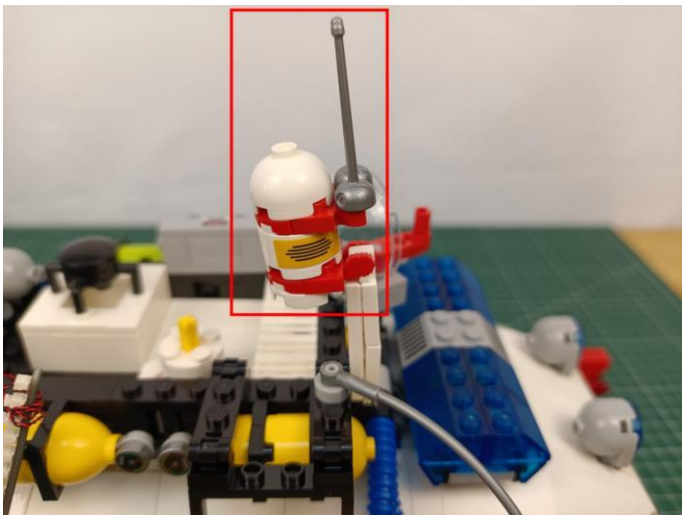
61



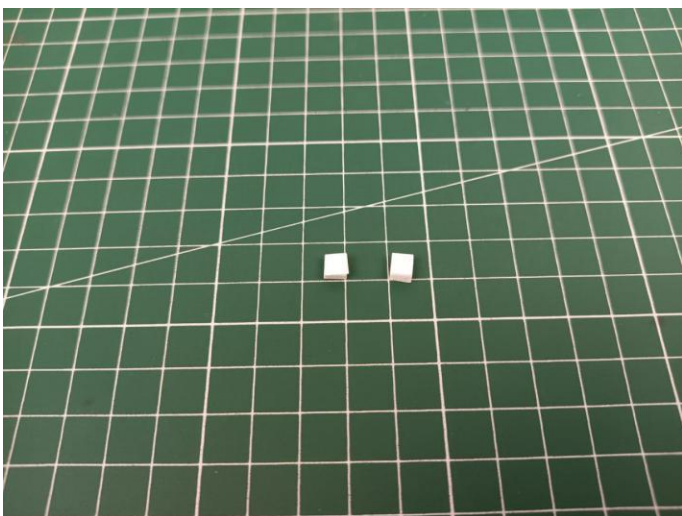
62



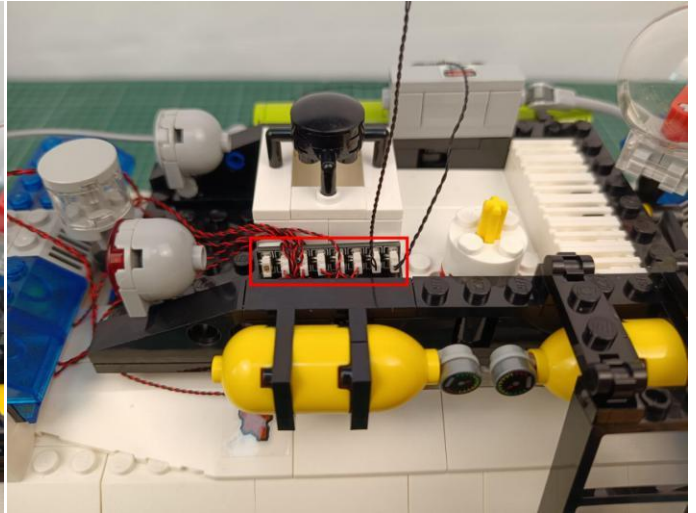
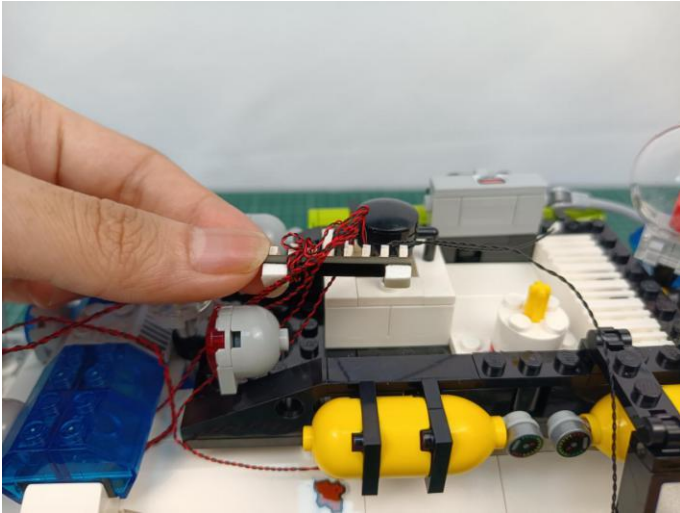
63



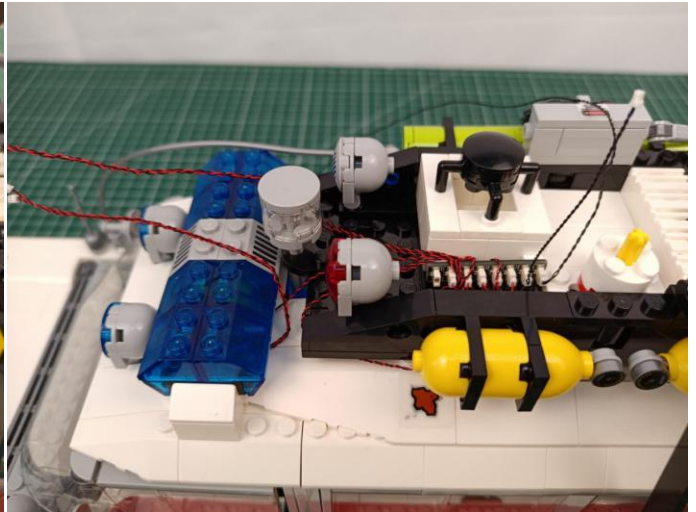
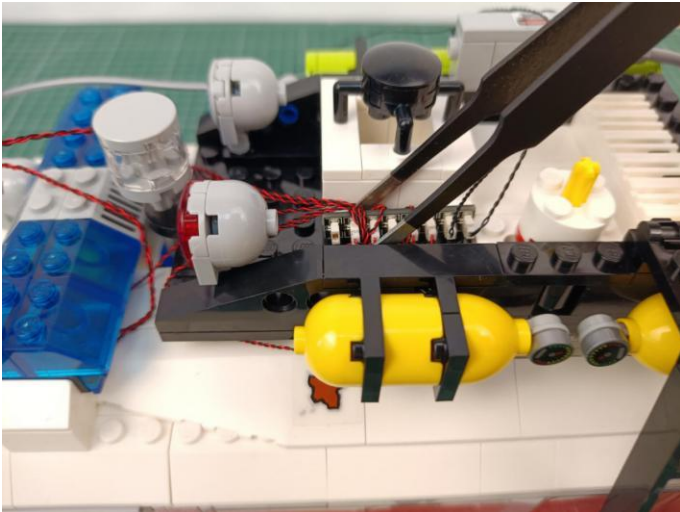
Take 2 adhesive squares.



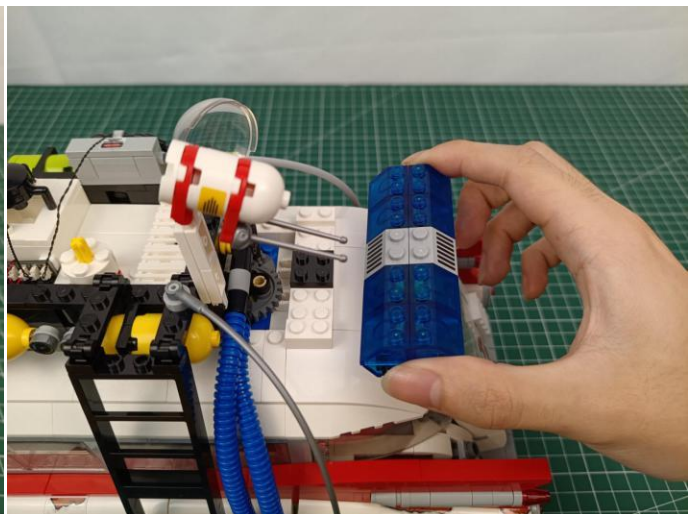
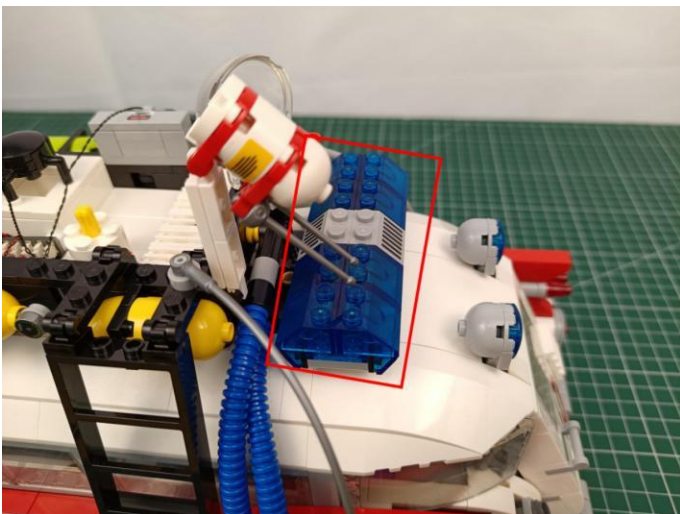
64



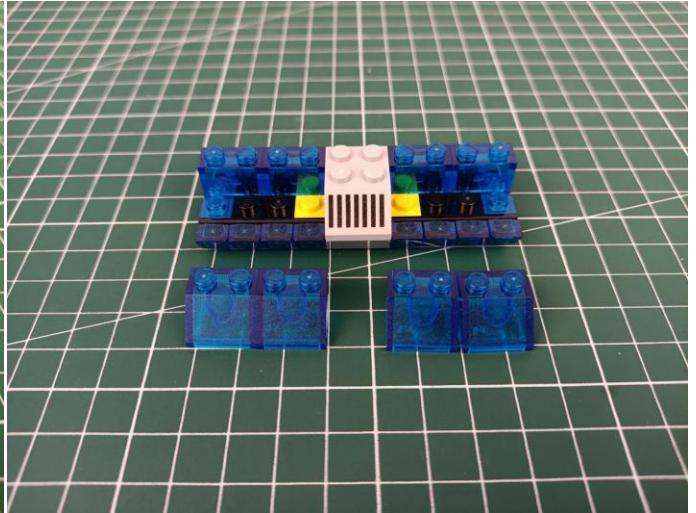
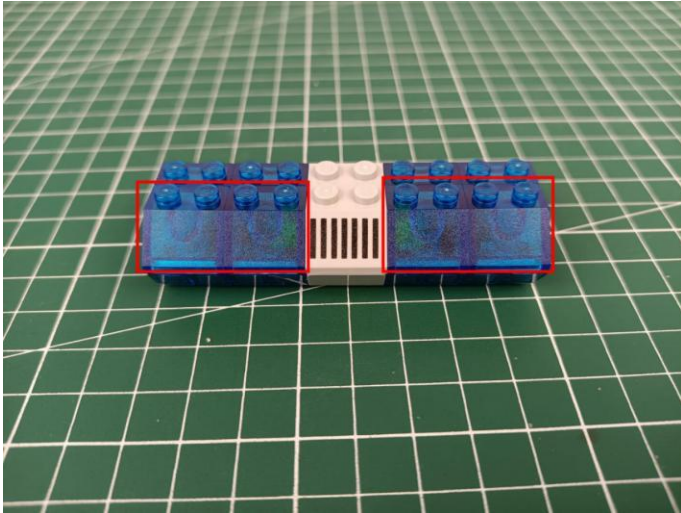
65



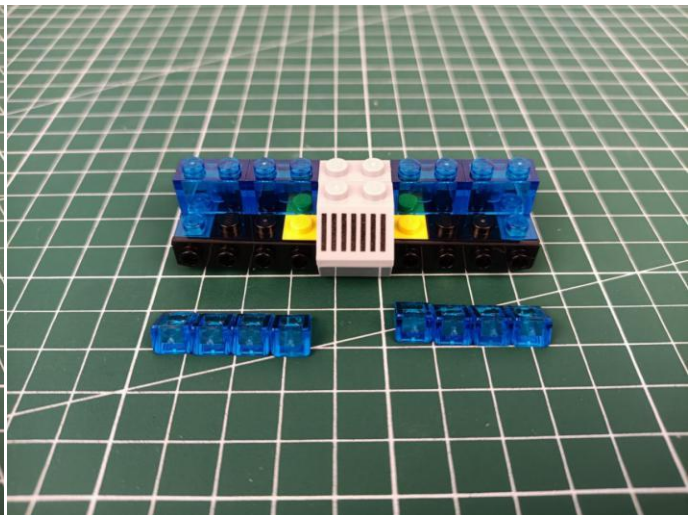
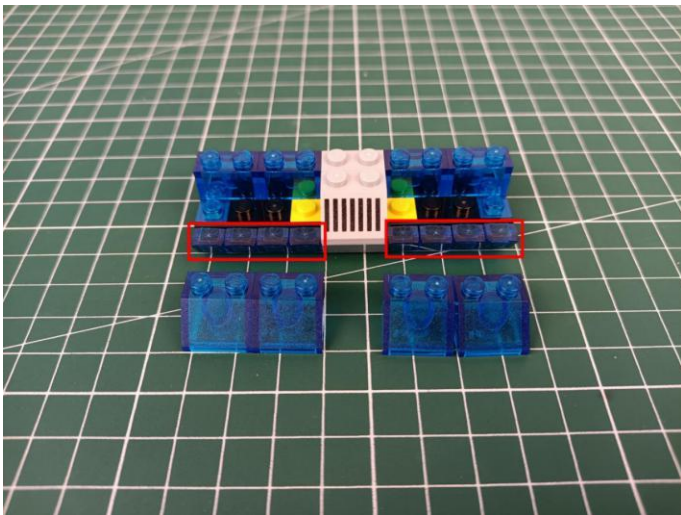
66



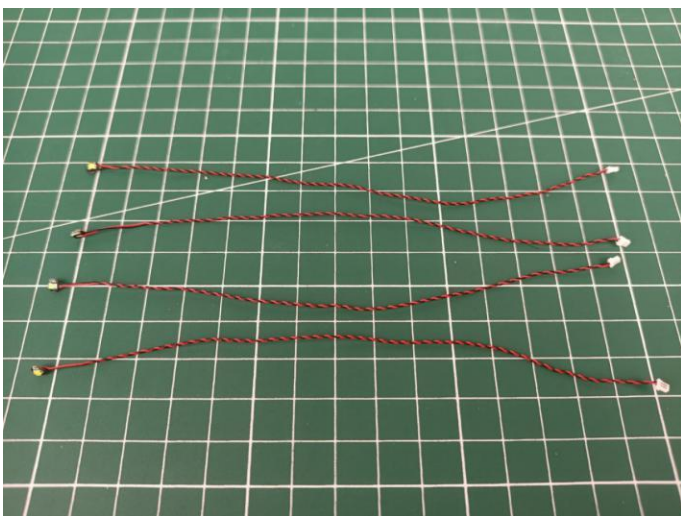
67



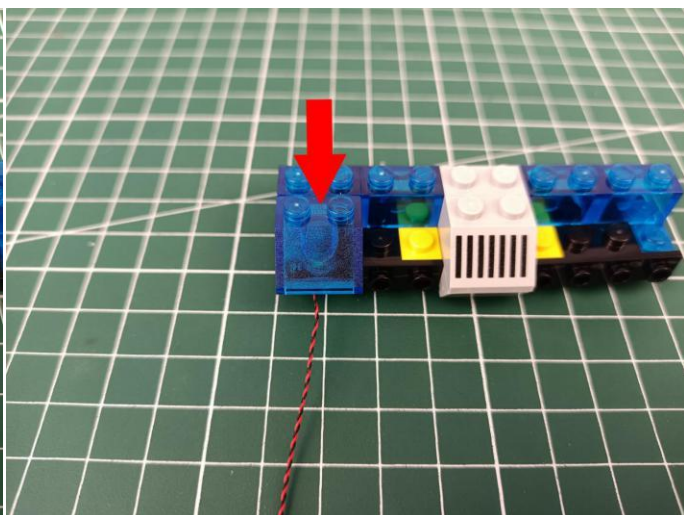
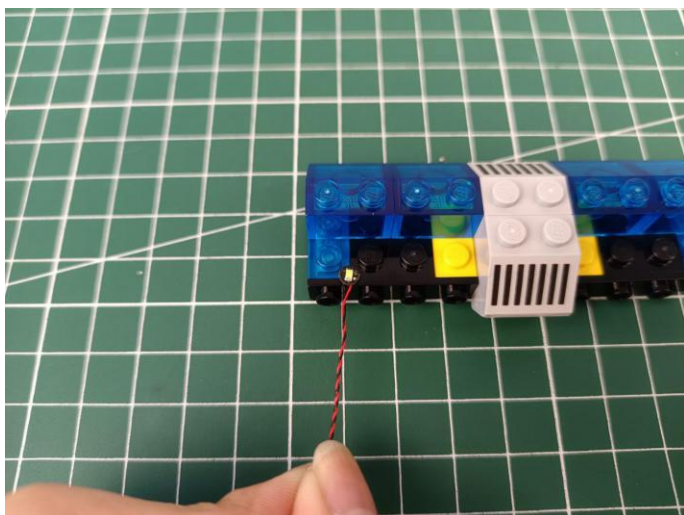
68



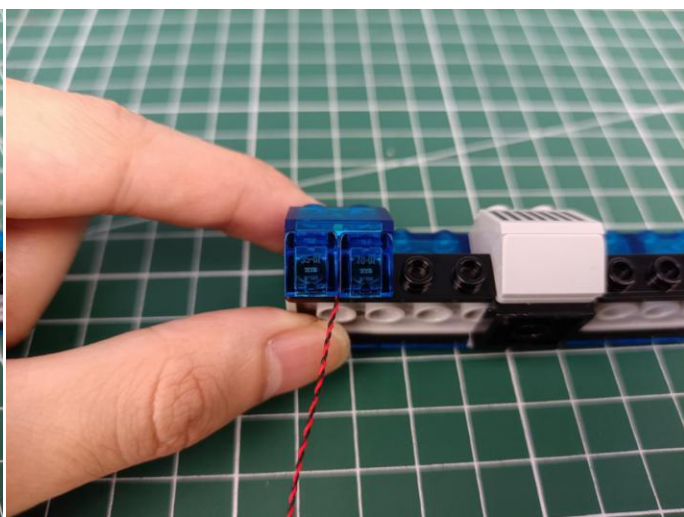
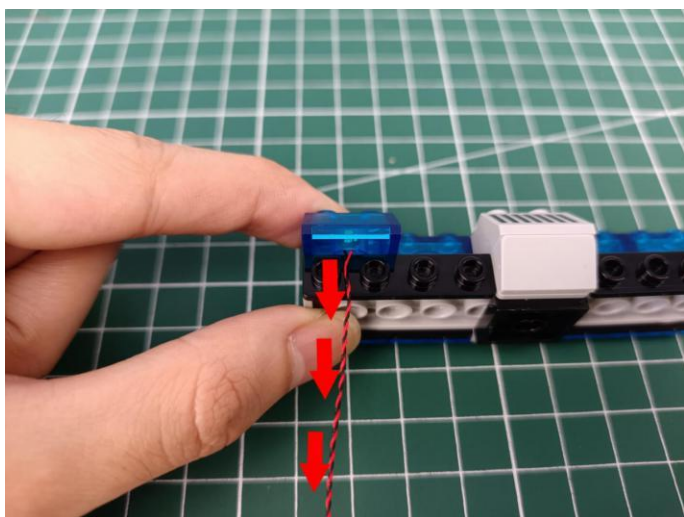
Take 4 white 15cm dot lights.



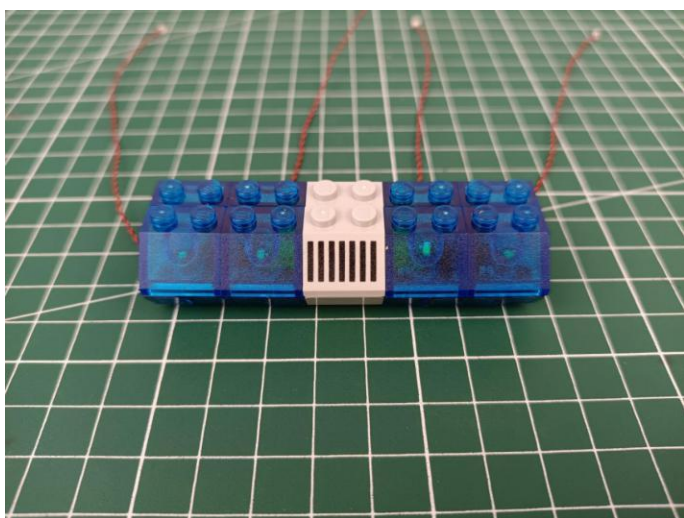
69



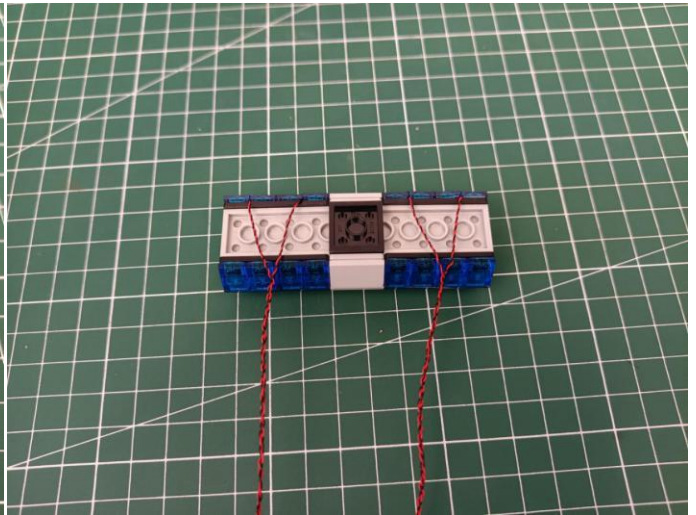
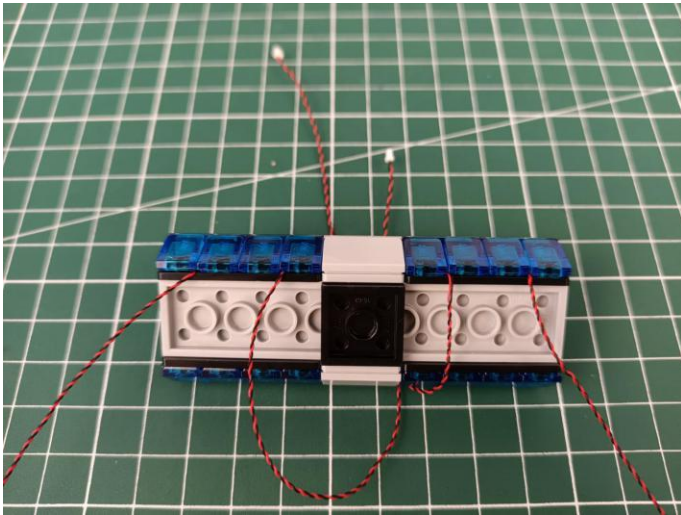
70



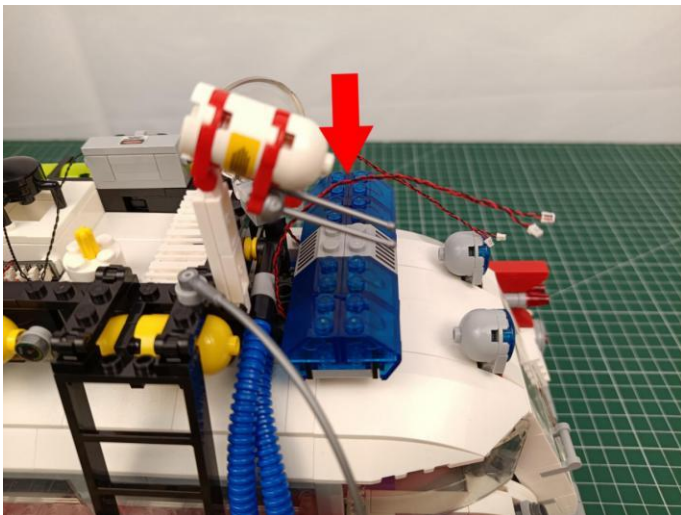
71



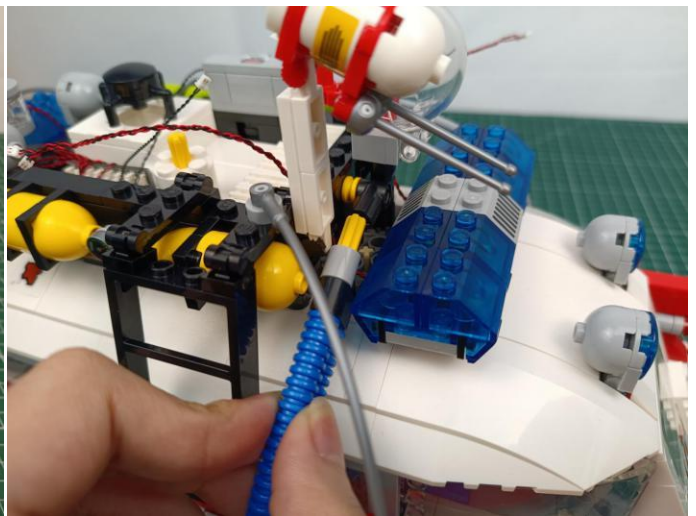
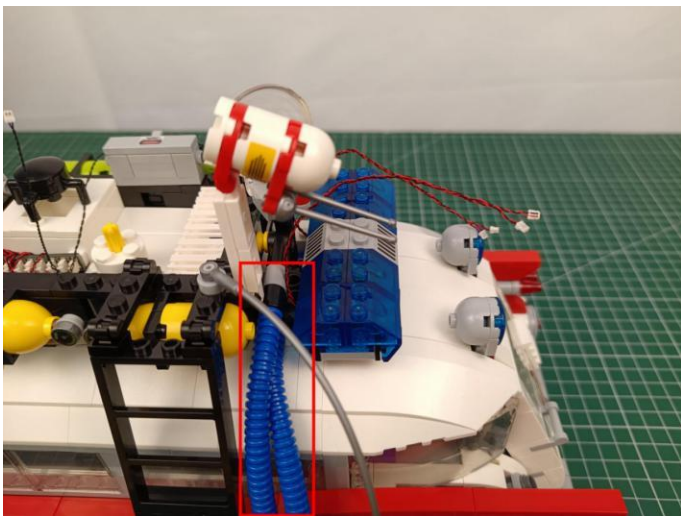
72



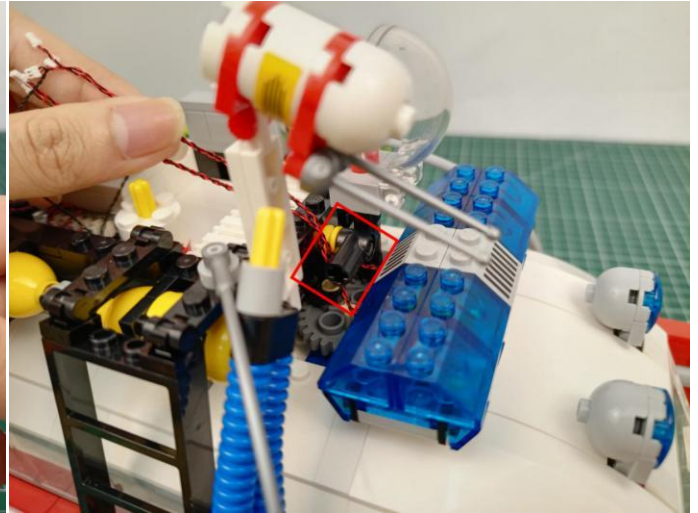
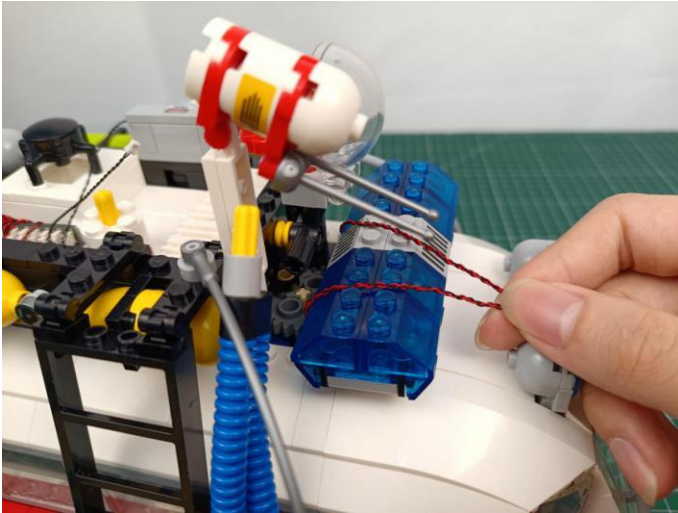
73



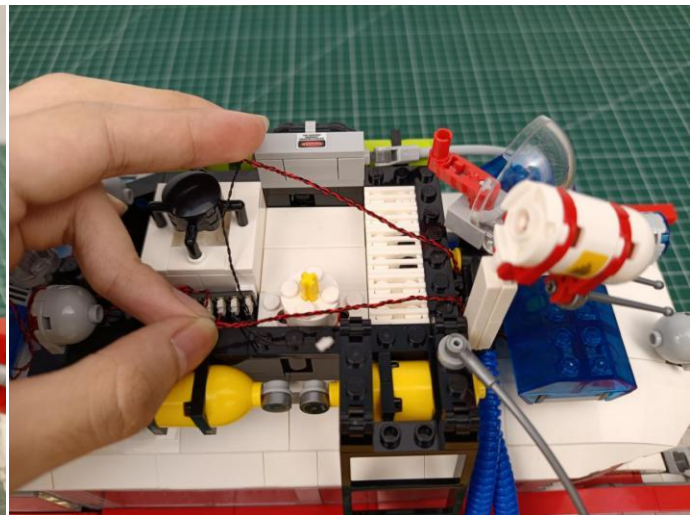
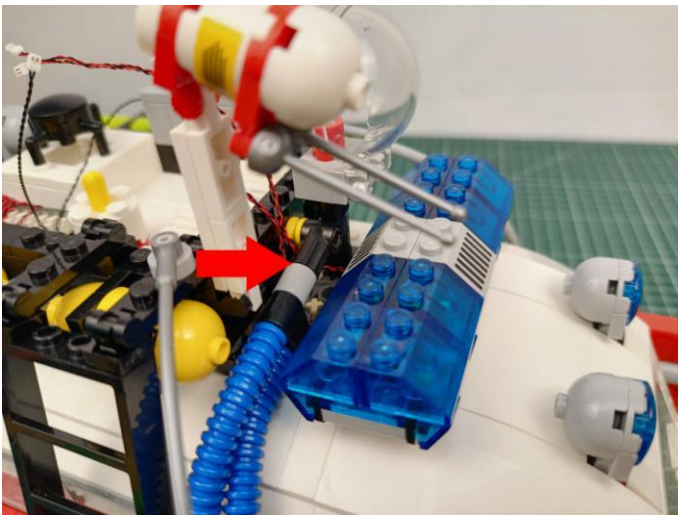
74



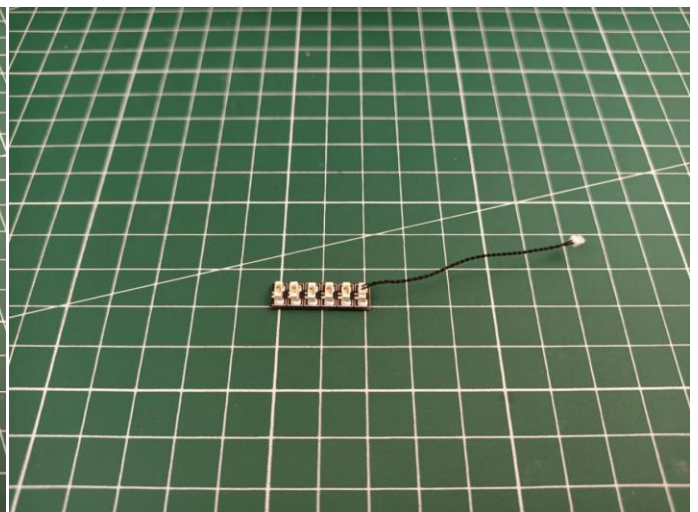
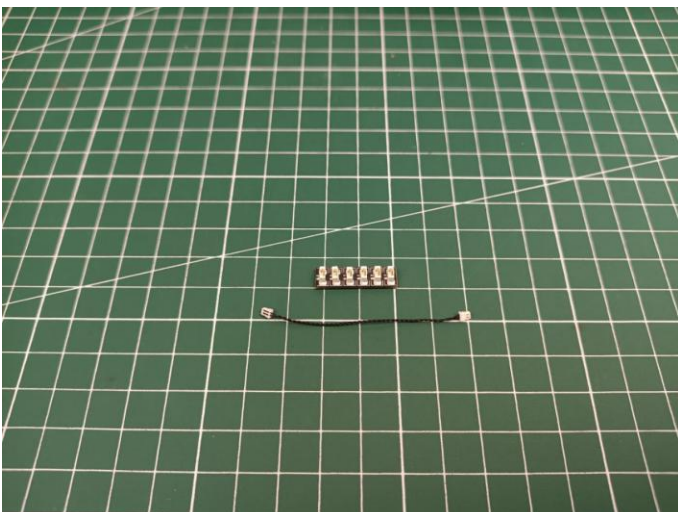
75



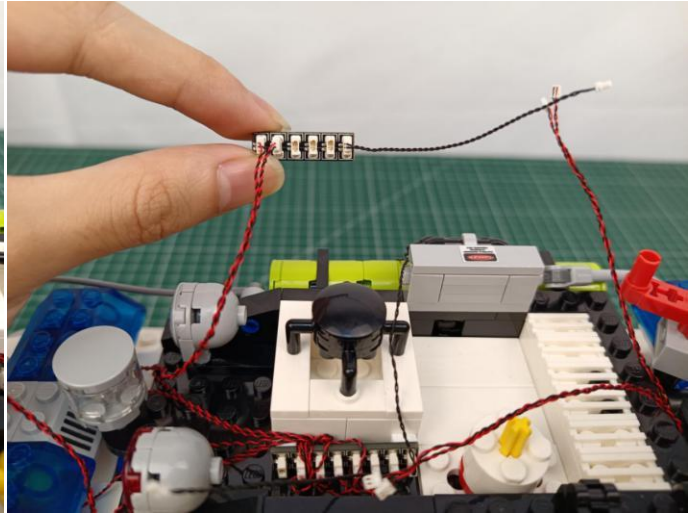
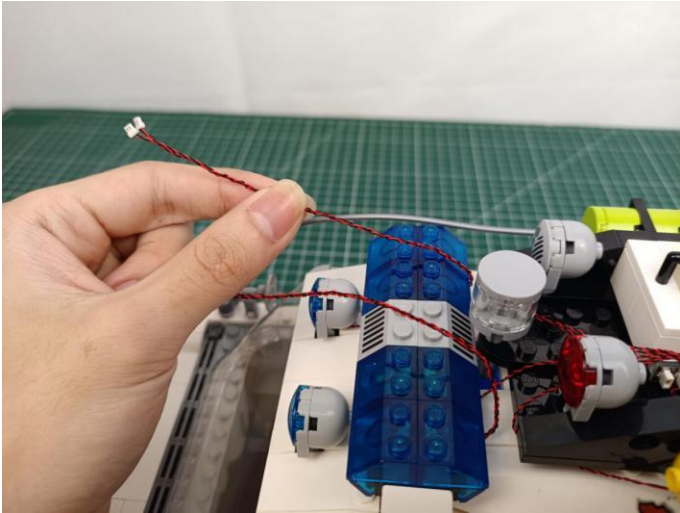
76



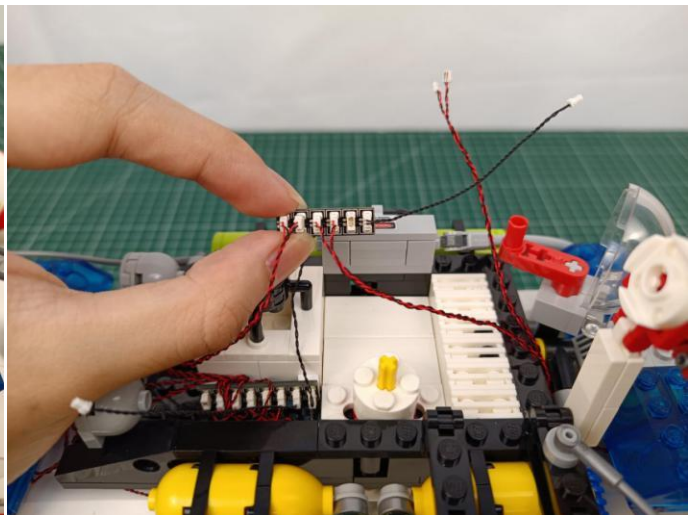
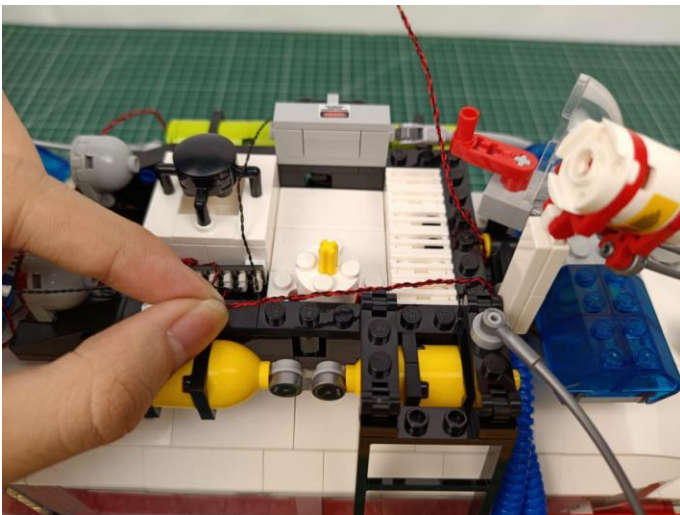
Take a 5cm connecting cable, a 6-port expansion board, assemble them as per below.



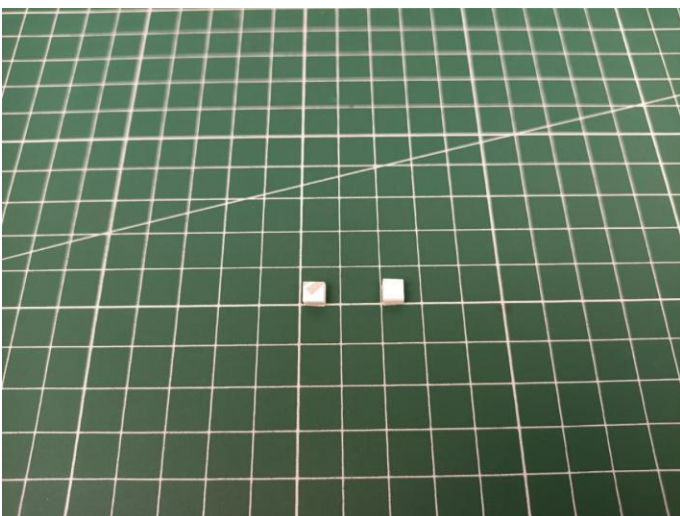
77



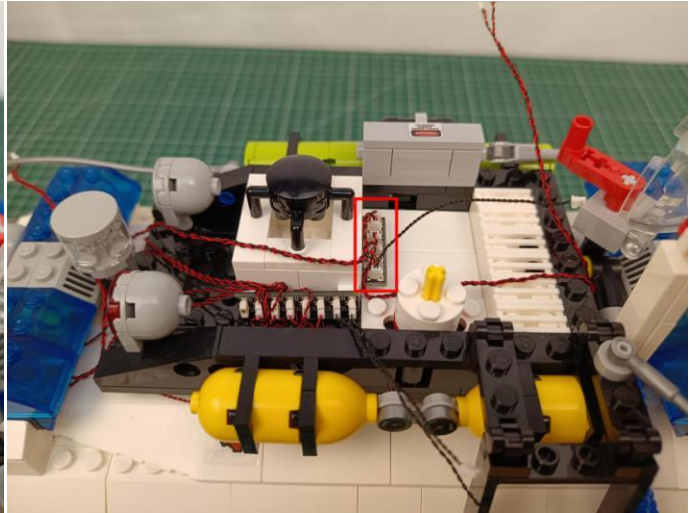
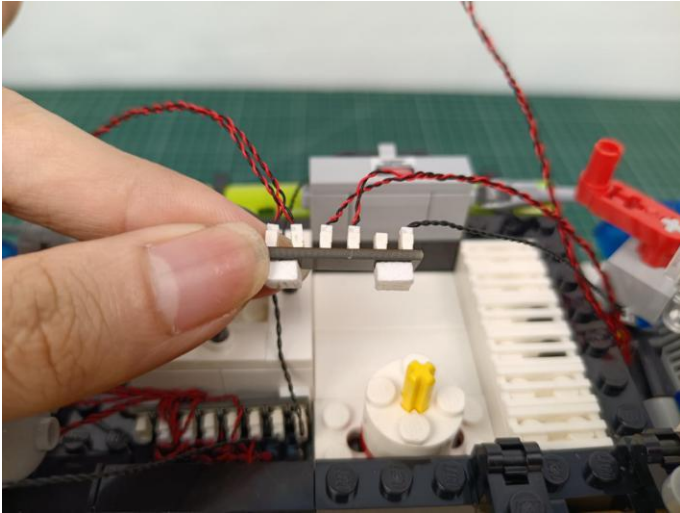
78



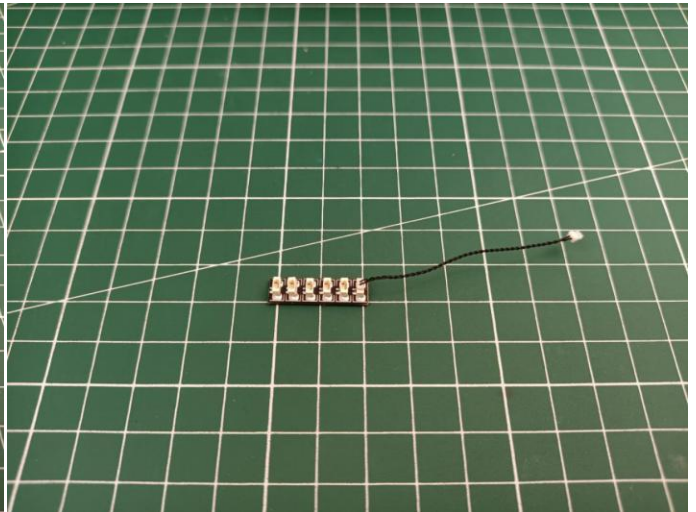
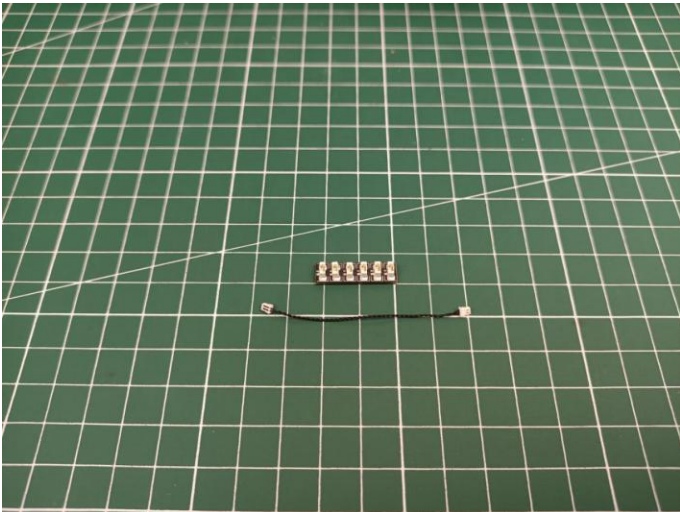
Take 2 adhesive squares.



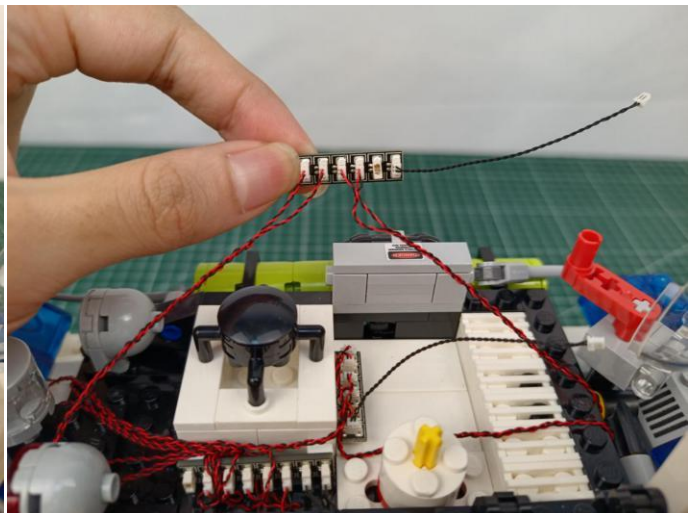
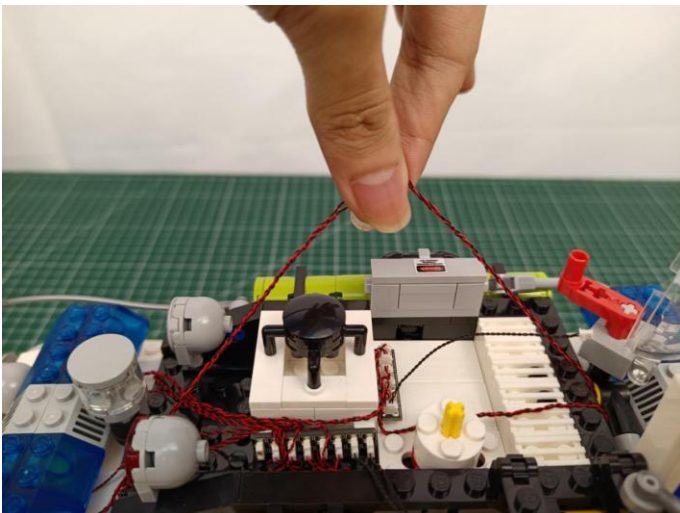
79



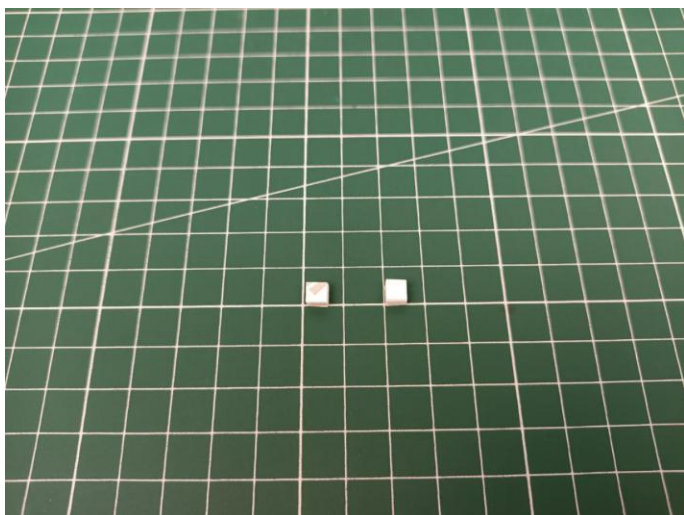
Take a 5cm connecting cable, a 6-port expansion board, assemble them as per below.



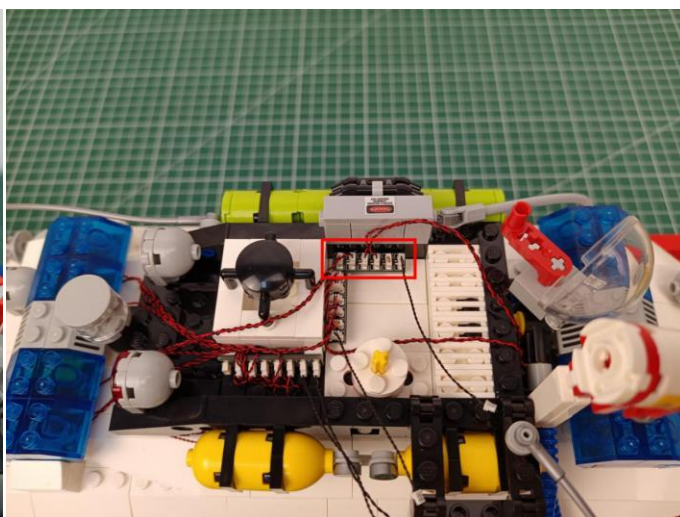
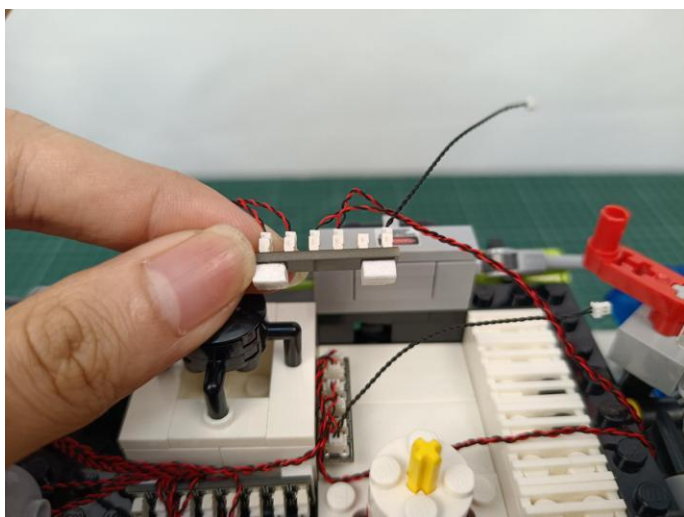
80



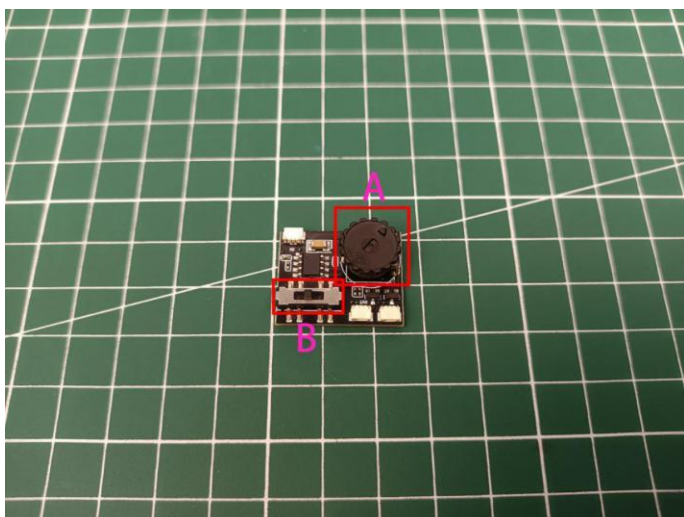
Take 2 adhesive squares.



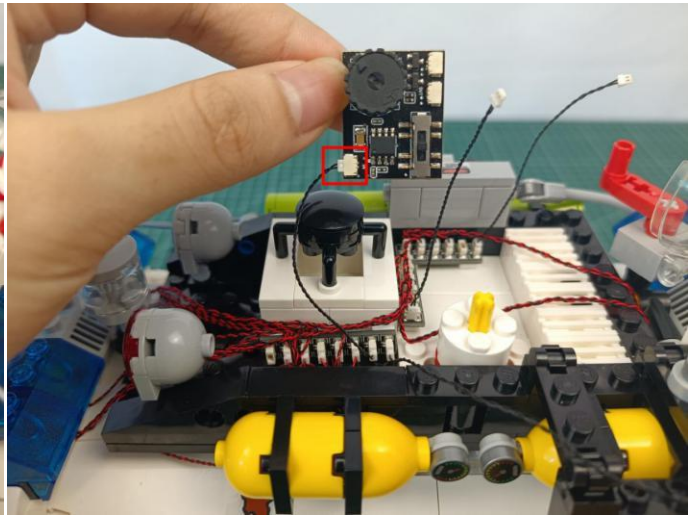
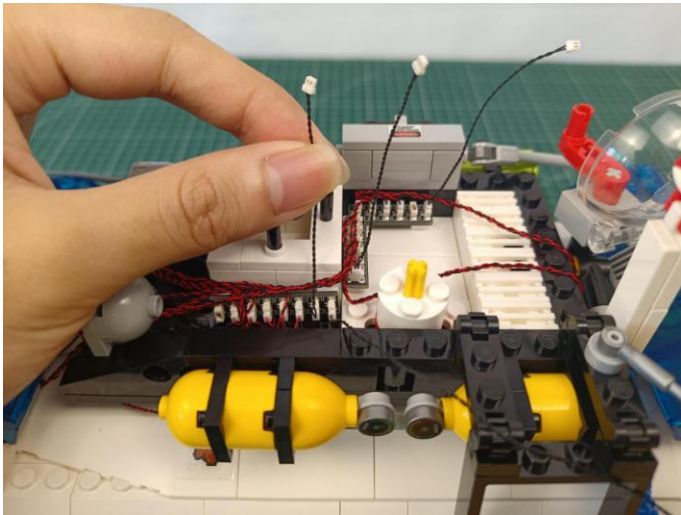
81



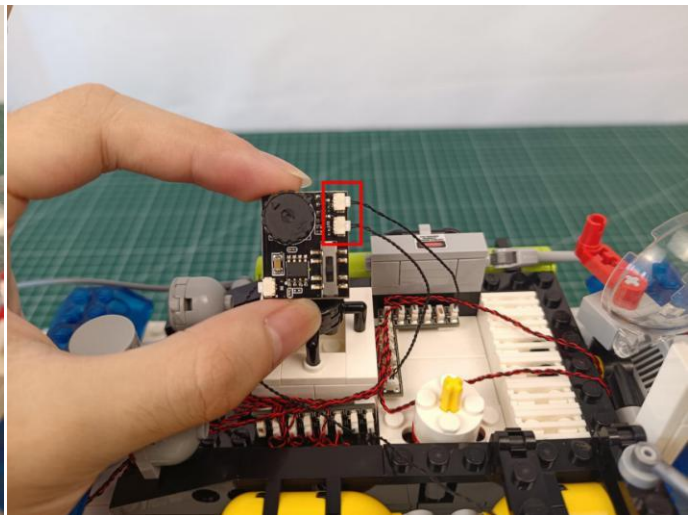
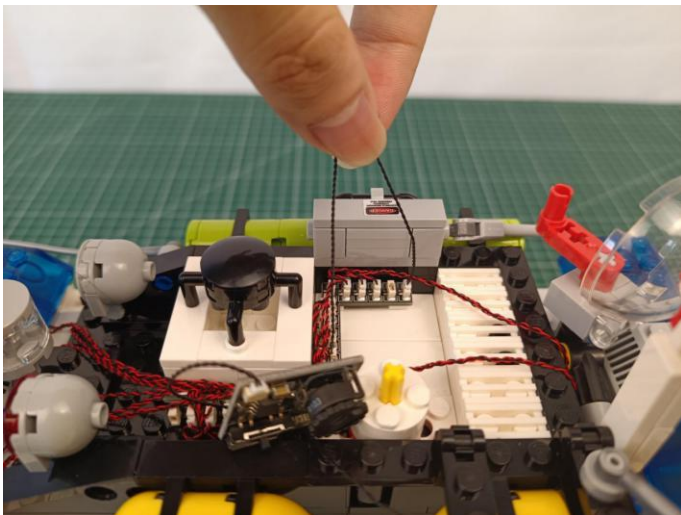
Take a Flicker Effects Board (A: rotate to adjust the frequency B: turn left and right to adjust the mode).



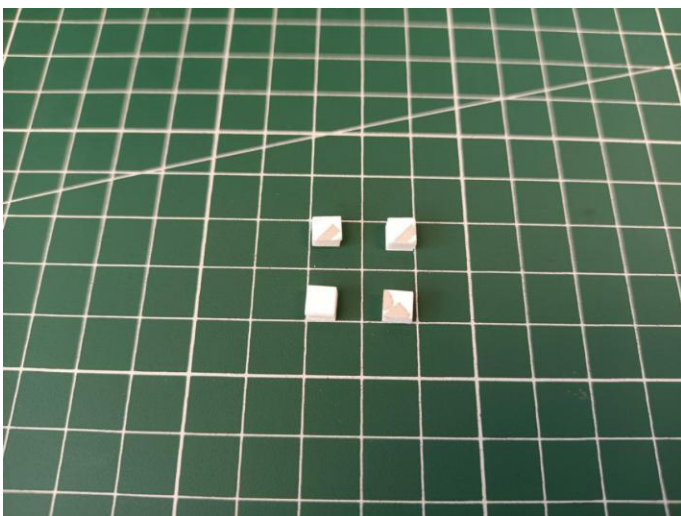
82



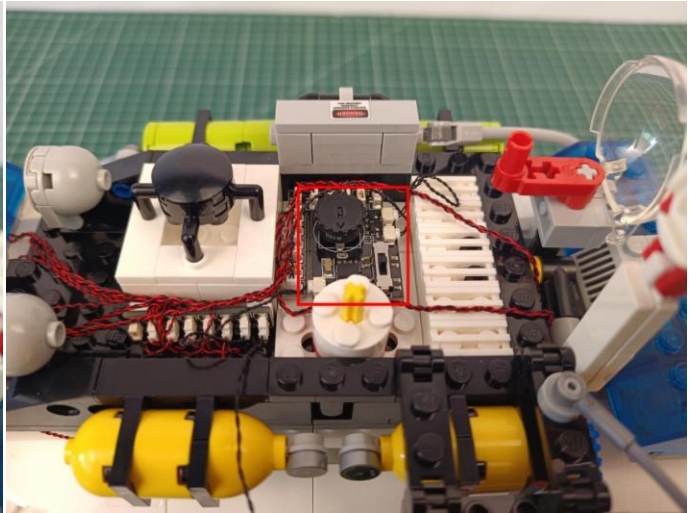
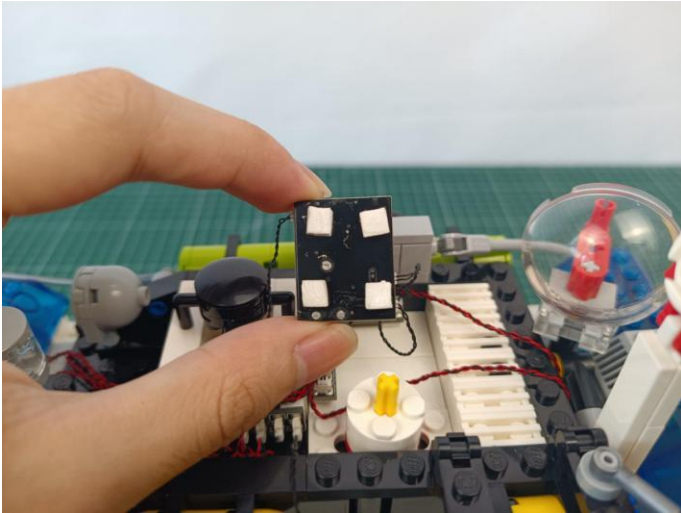
83



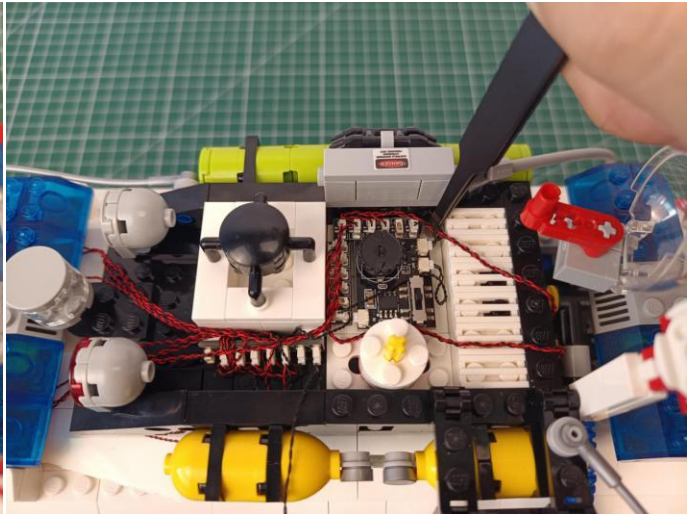
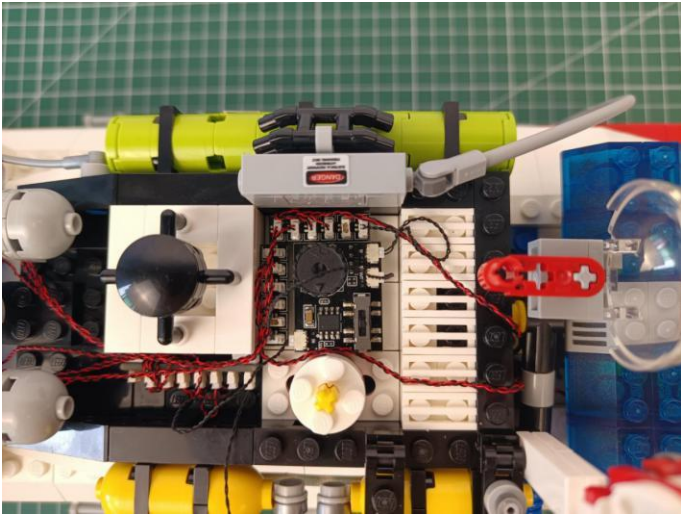
Take 4 adhesive squares.



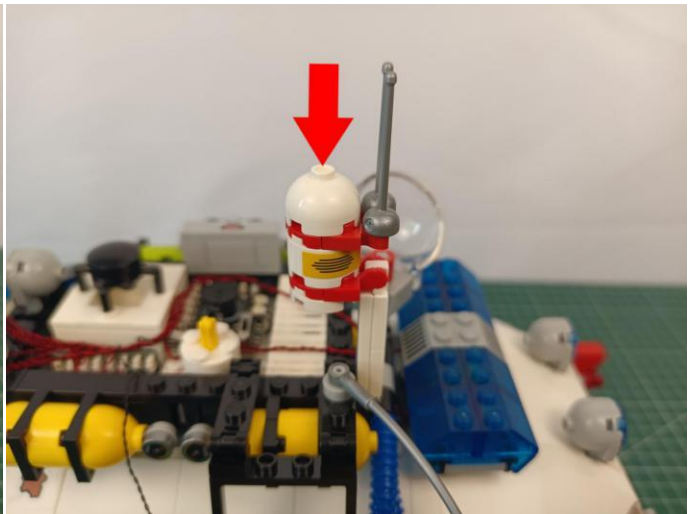
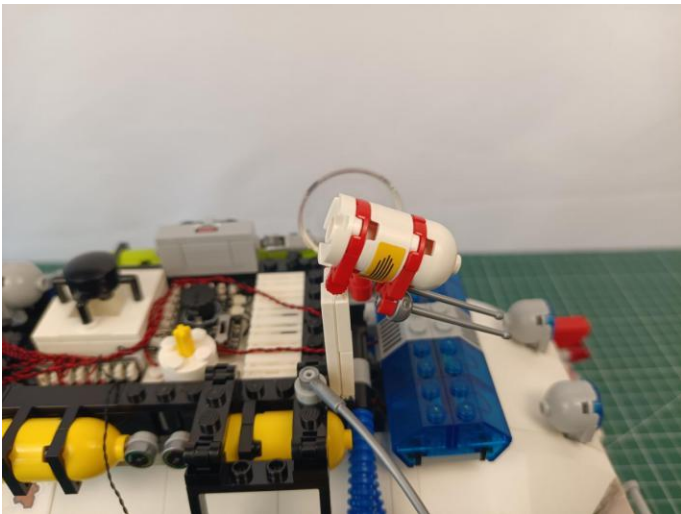
84



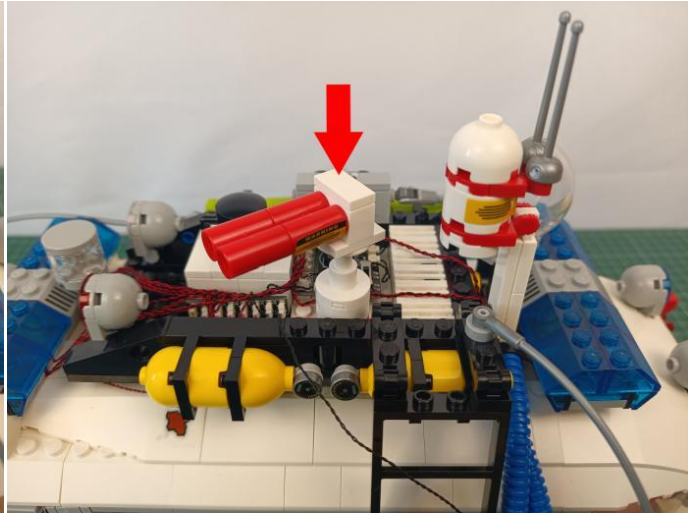
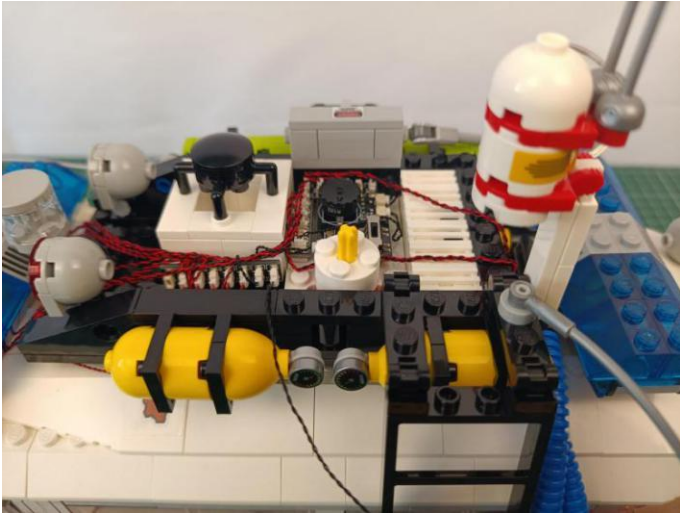
85



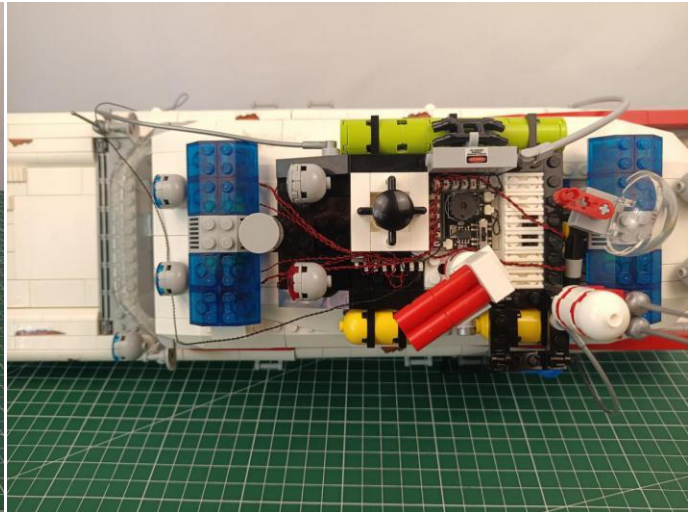
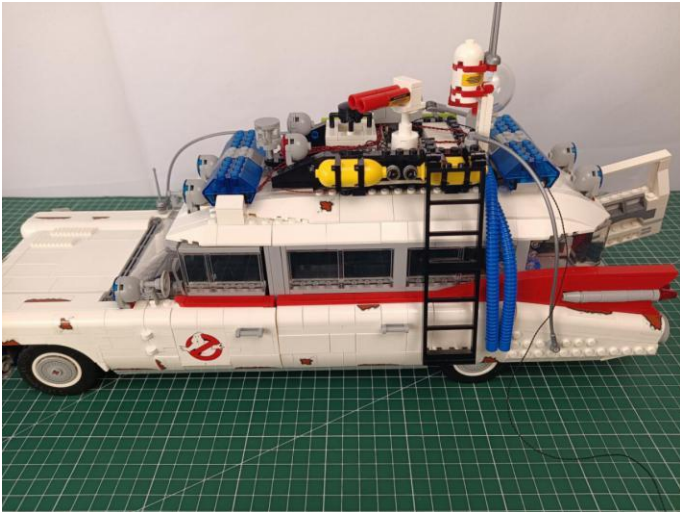
86



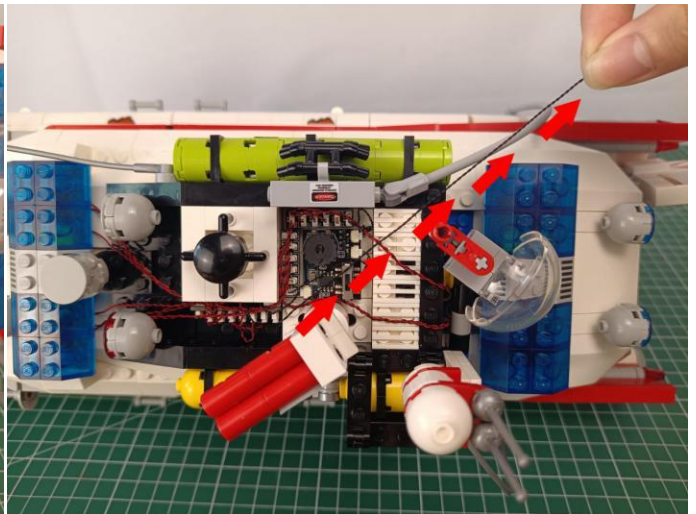
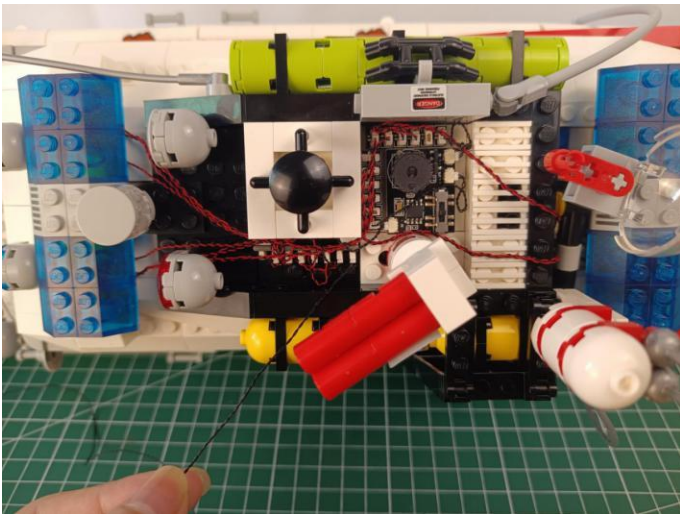
87



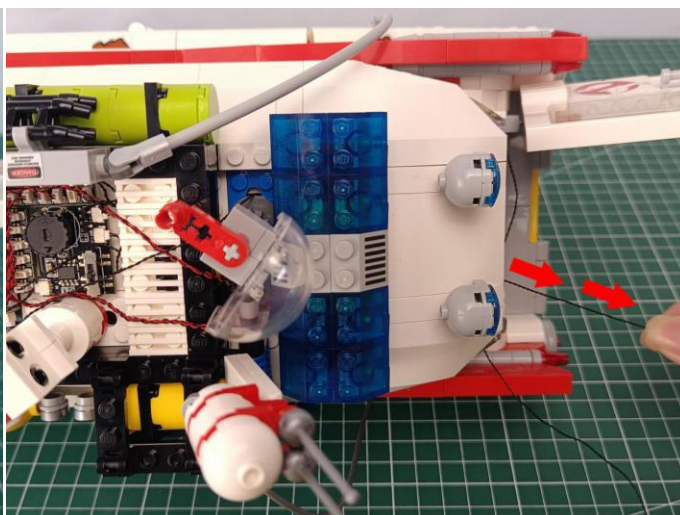
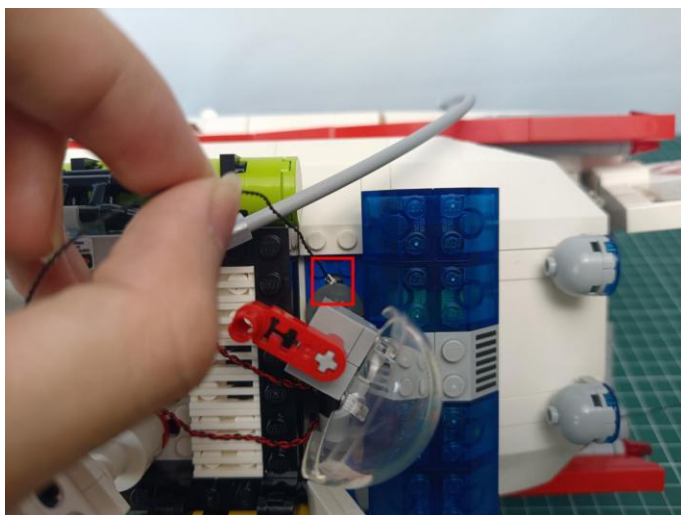
88



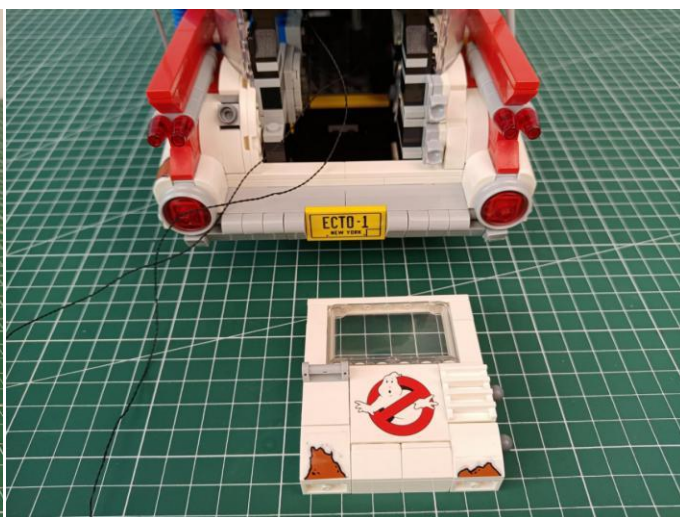
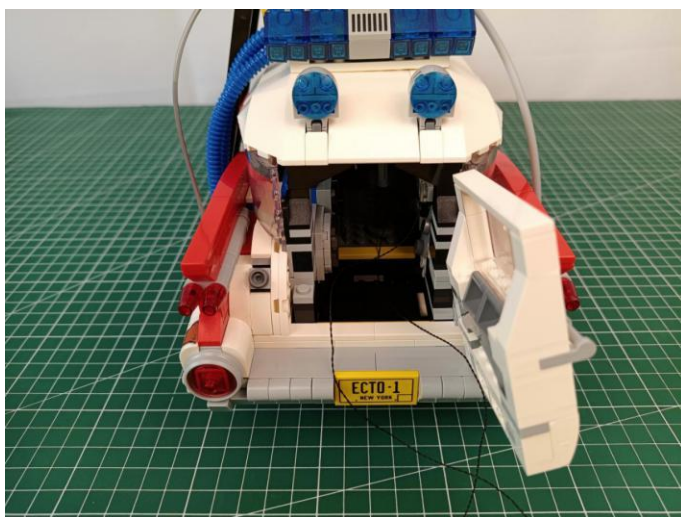
89



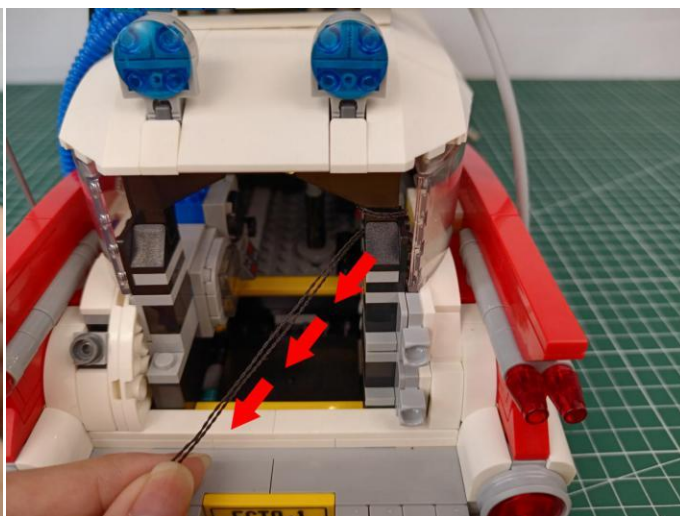
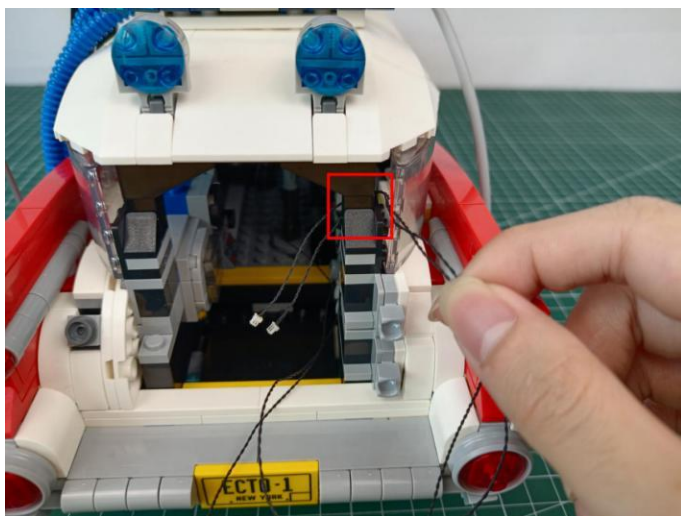
90



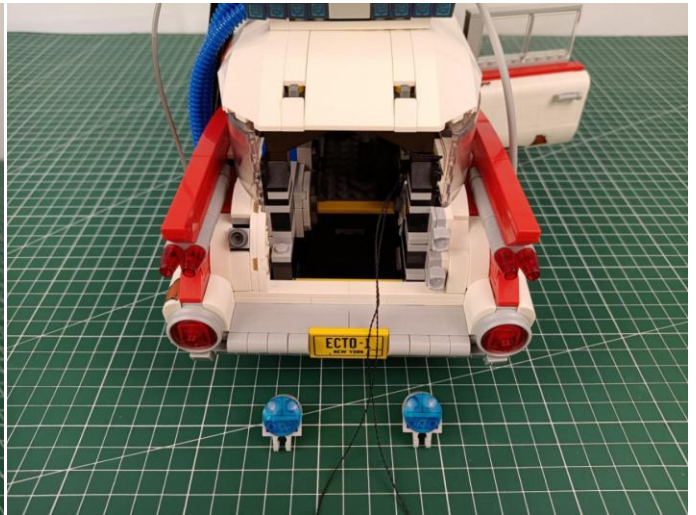
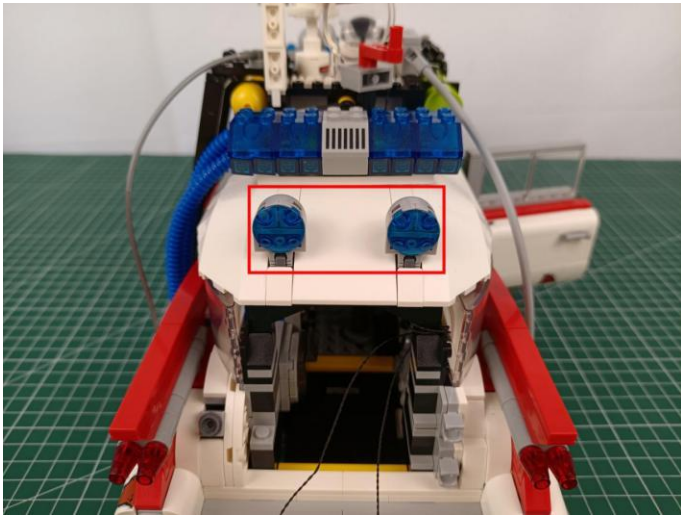
91



92



93



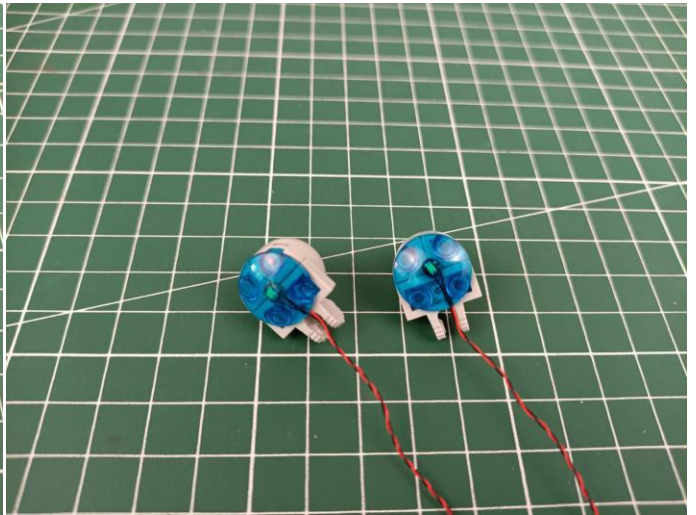
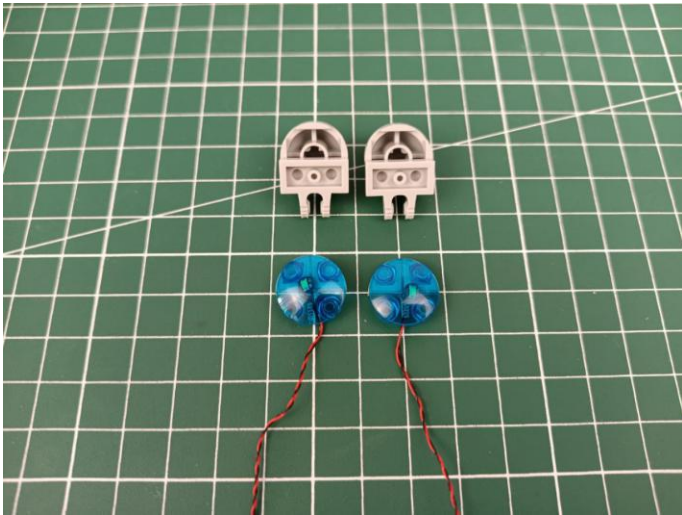
94



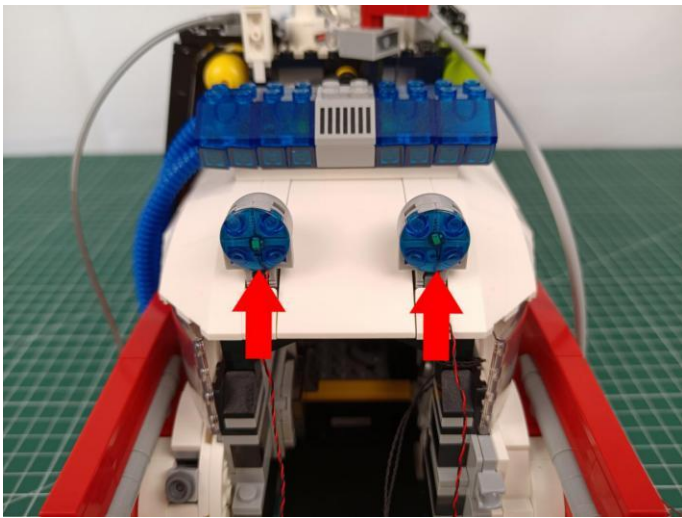
Take 2 white 30cm dot lights.



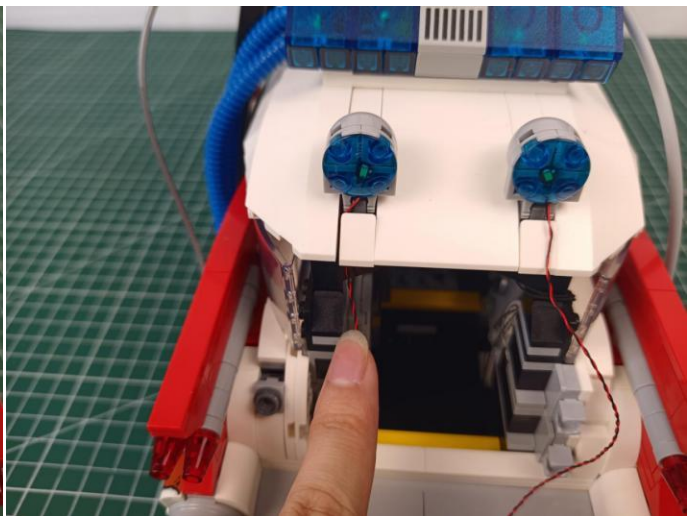
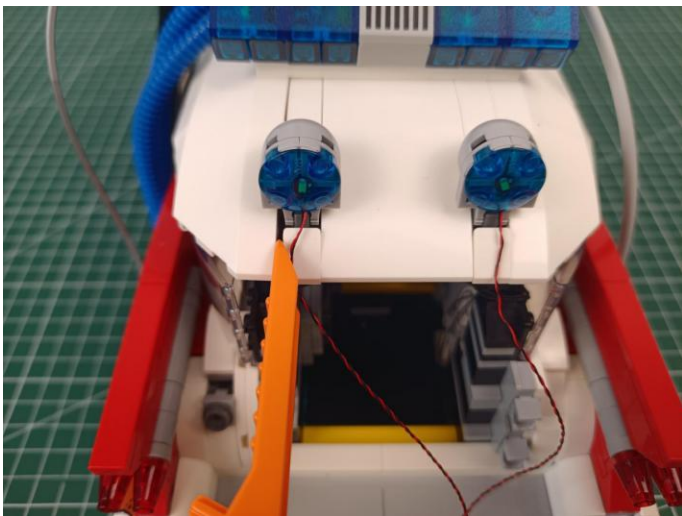
95



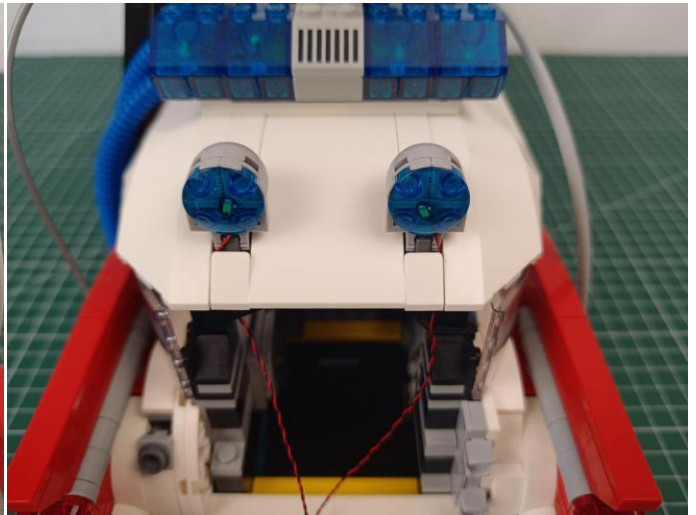
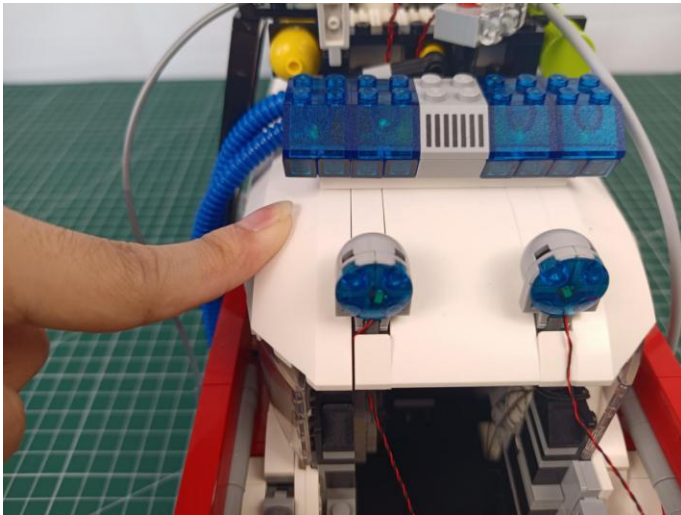
96



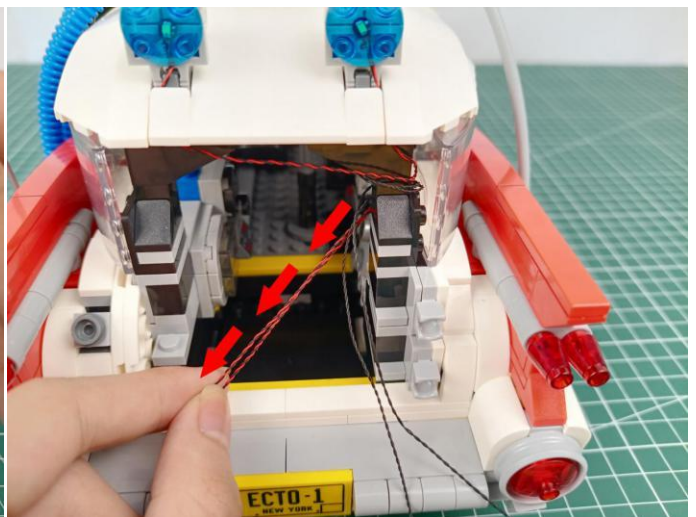
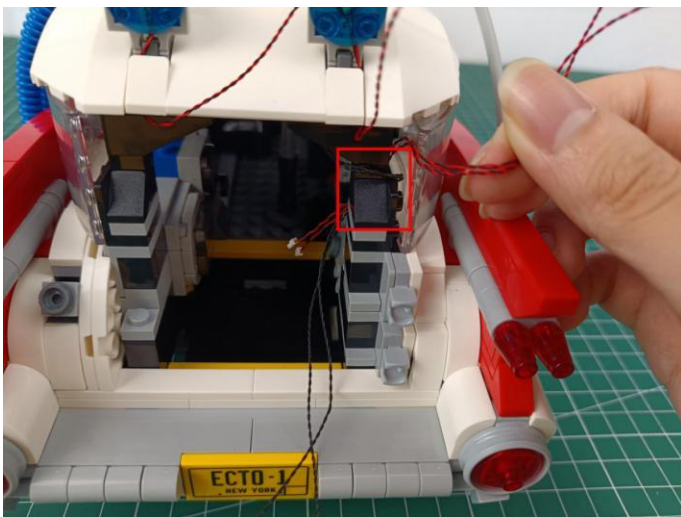
97



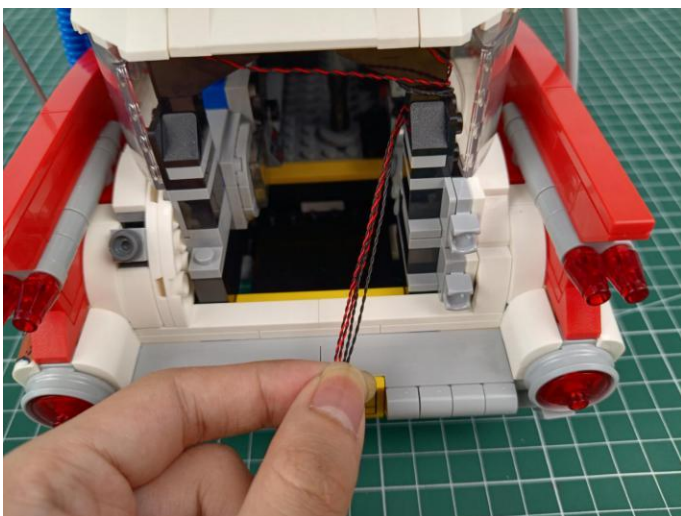
98



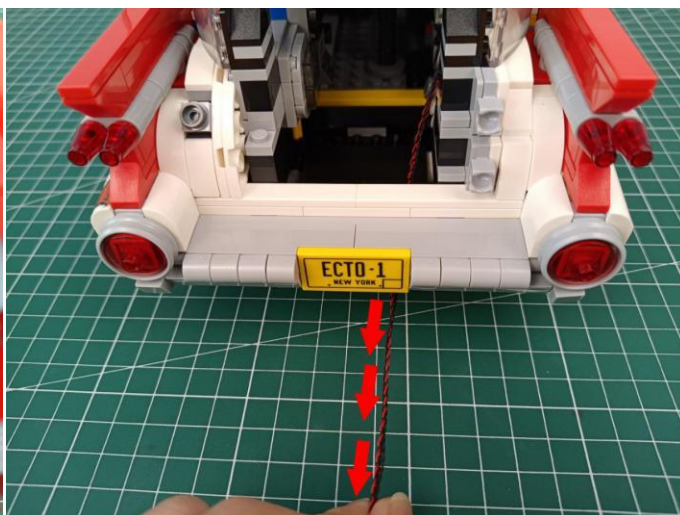
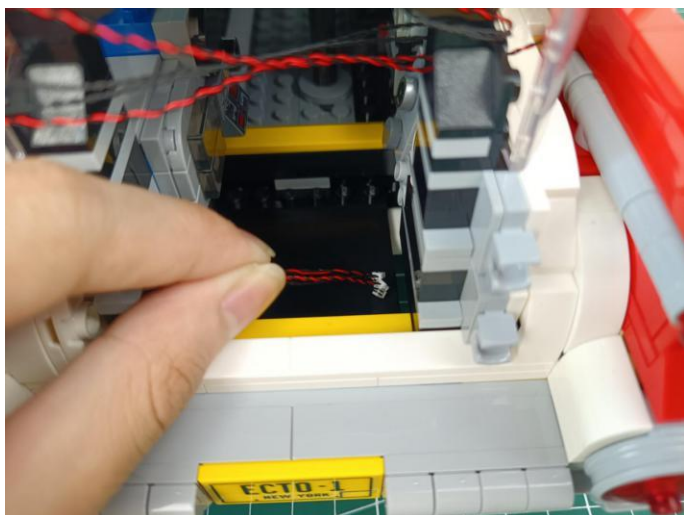
99



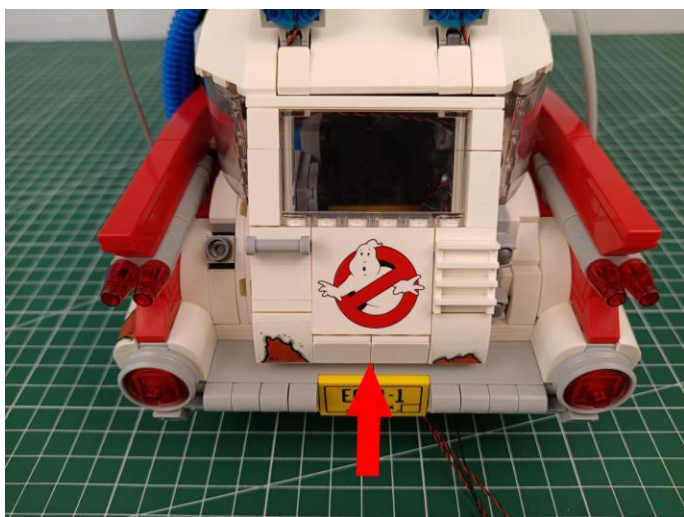
100



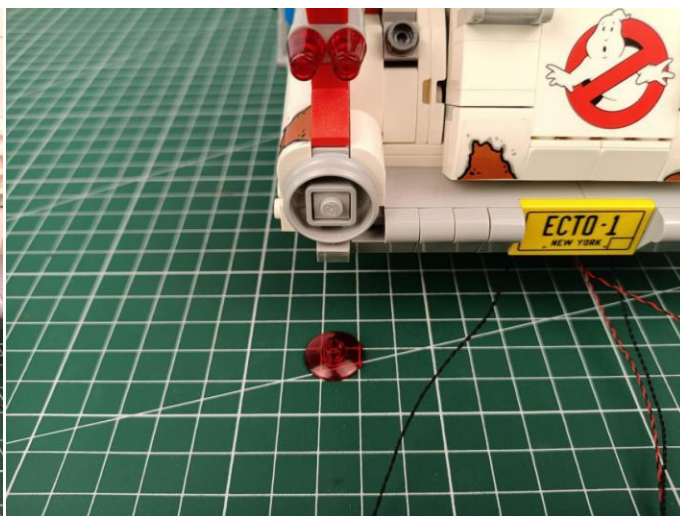
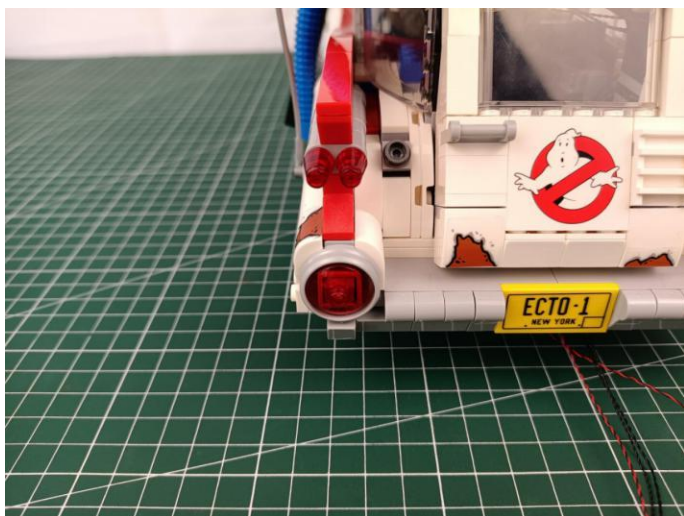
101



102



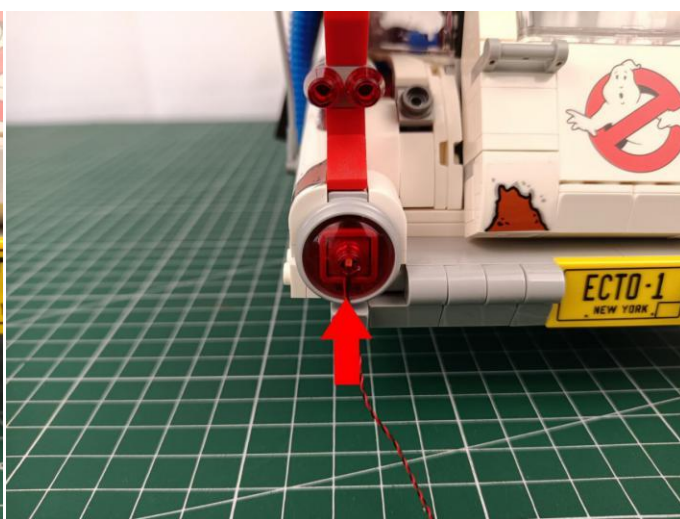
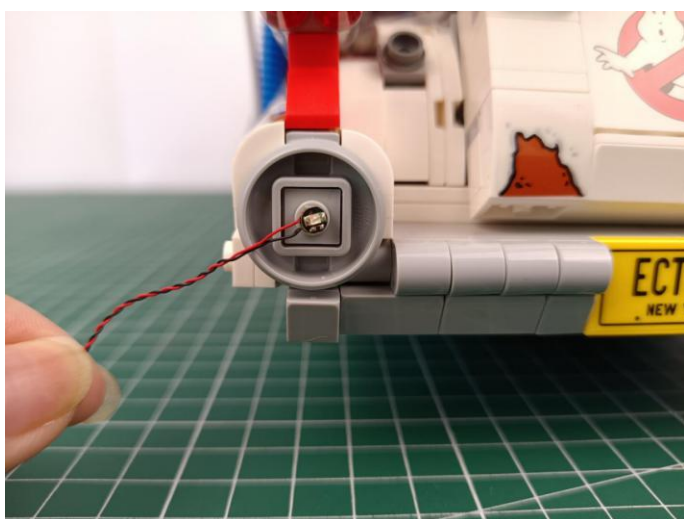
103



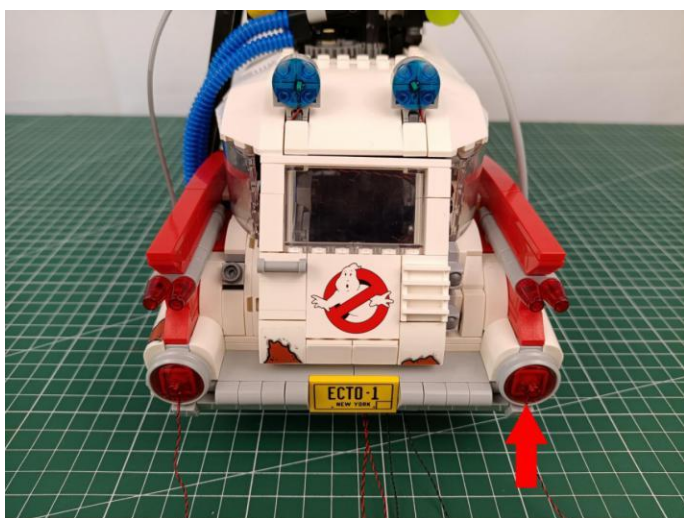
Take 2 red 30cm dot lights.



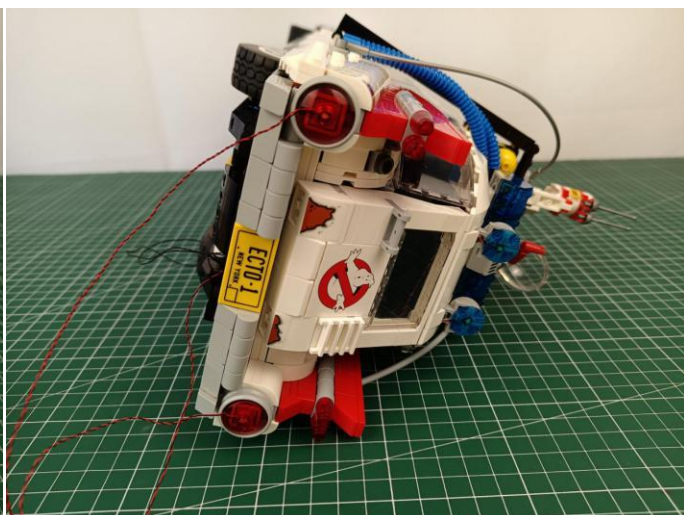
104



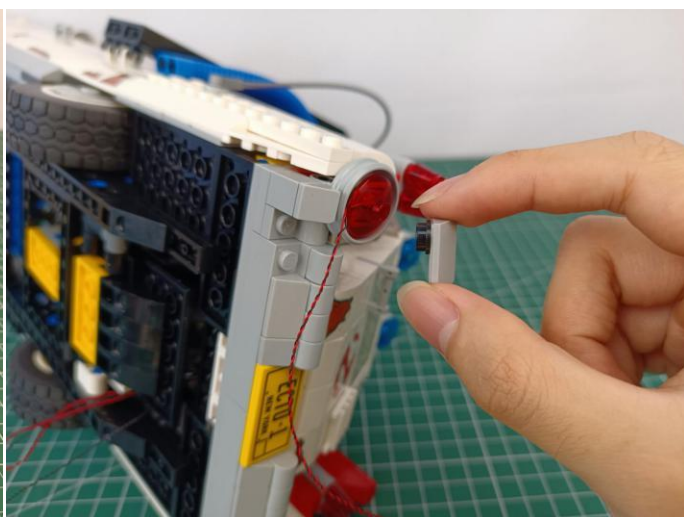
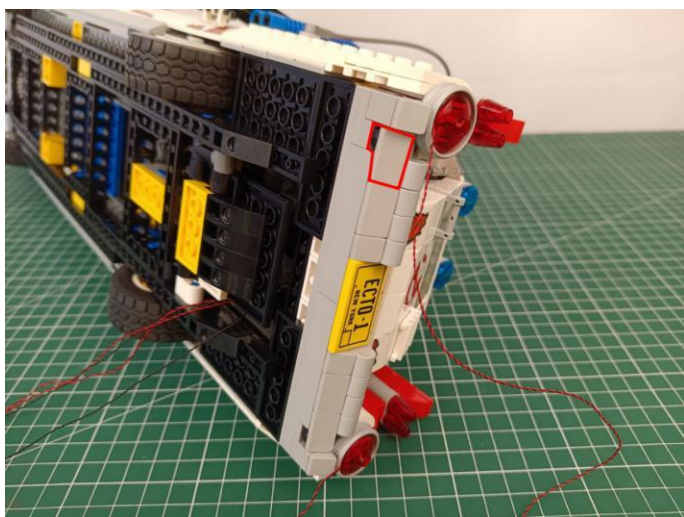
105



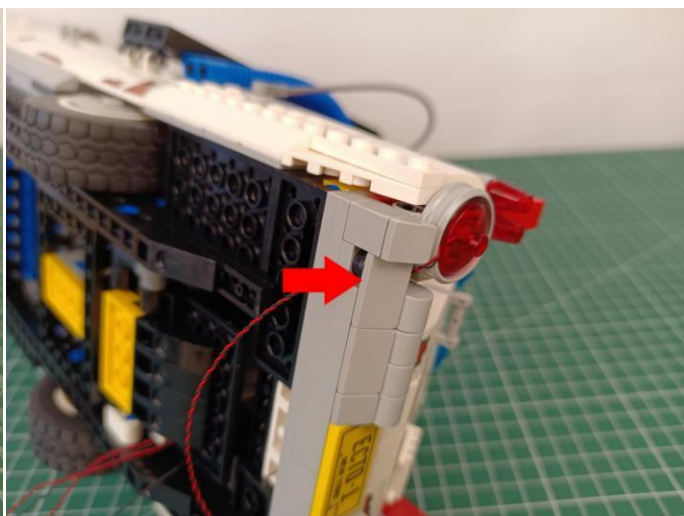
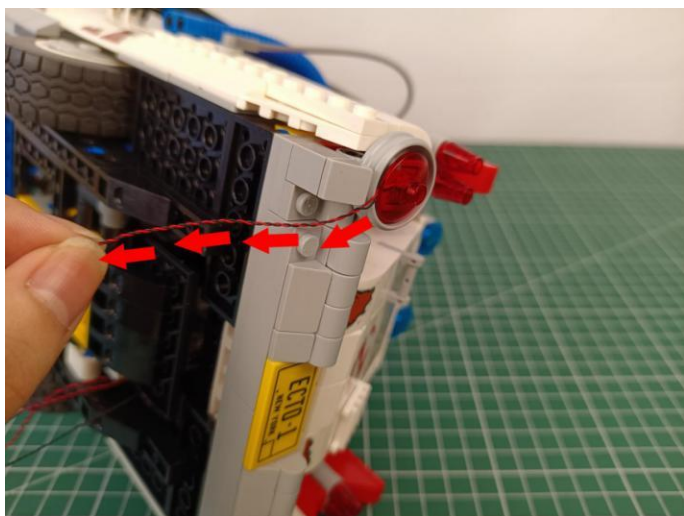
106



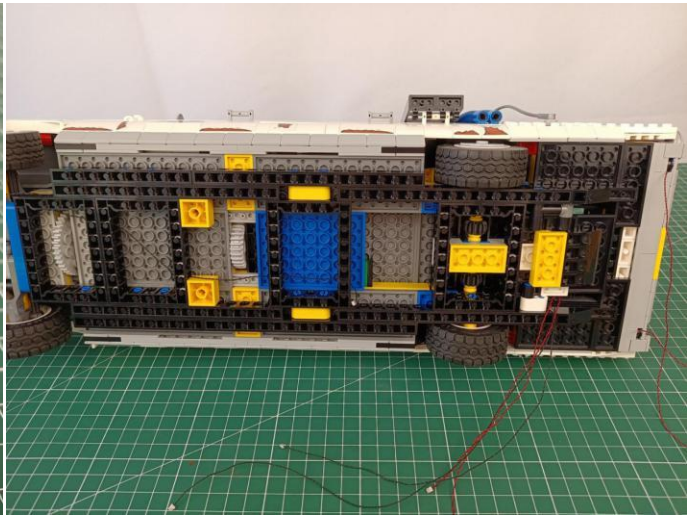
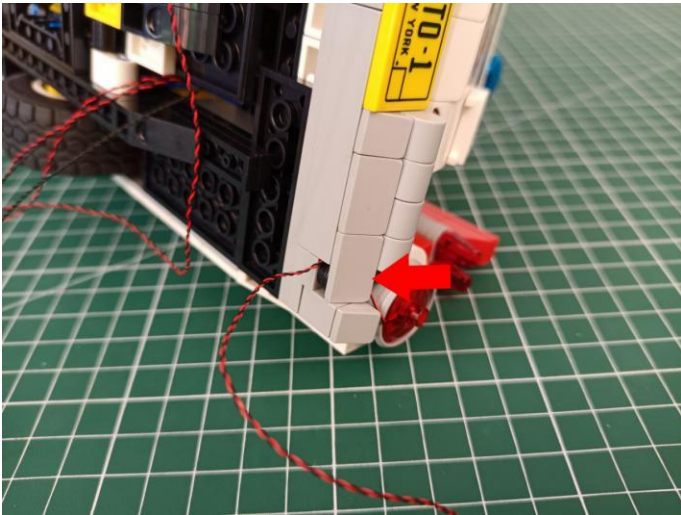
107



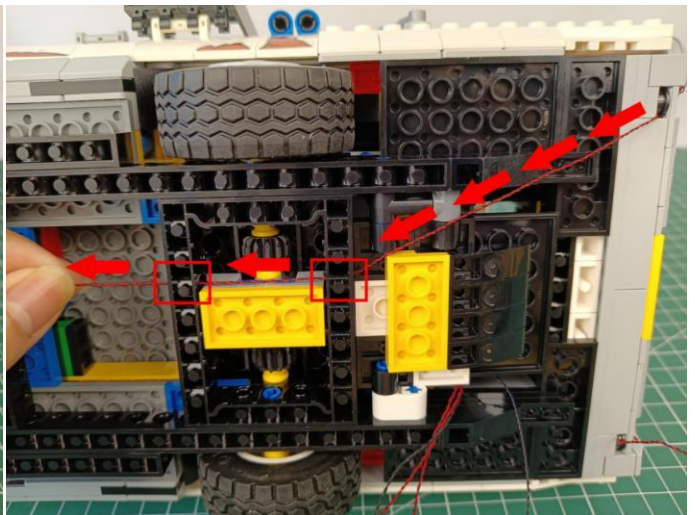
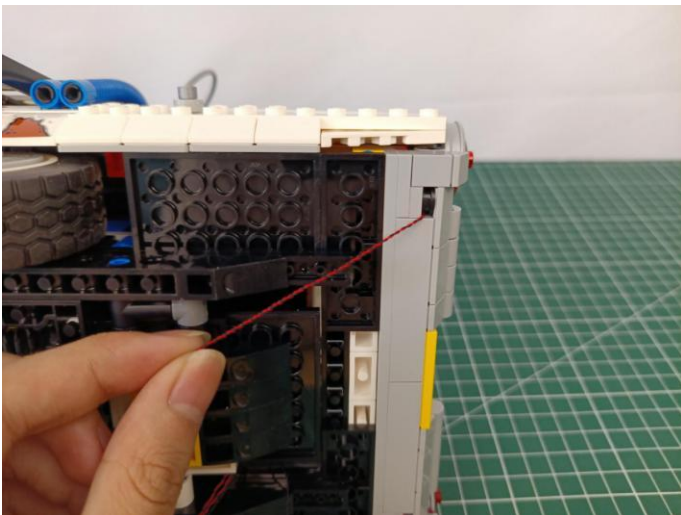
108



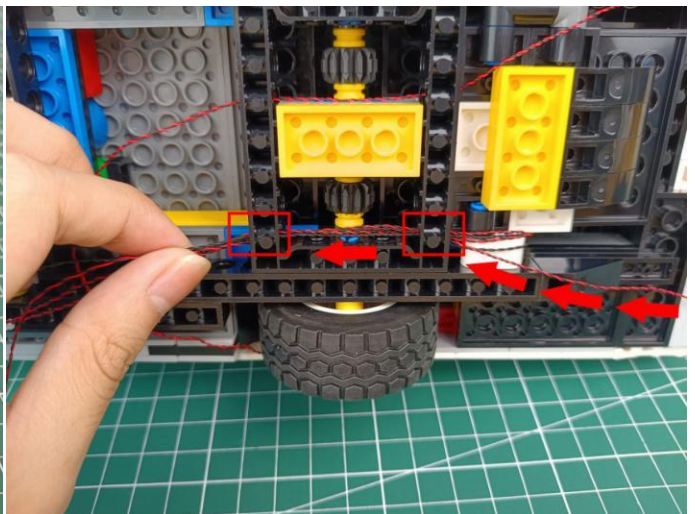
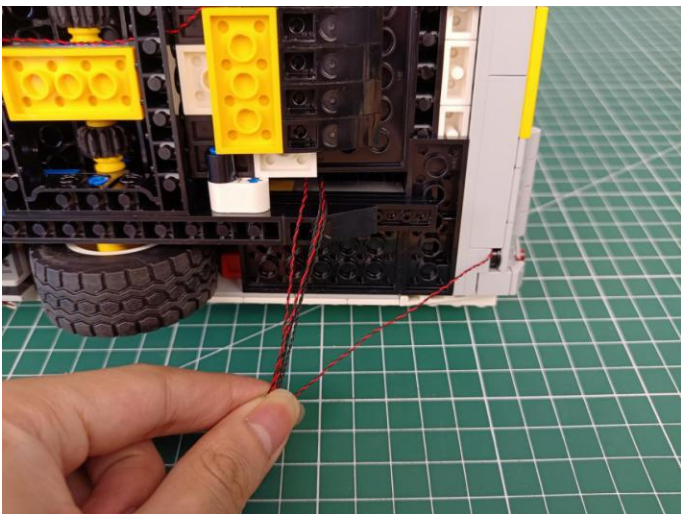
109



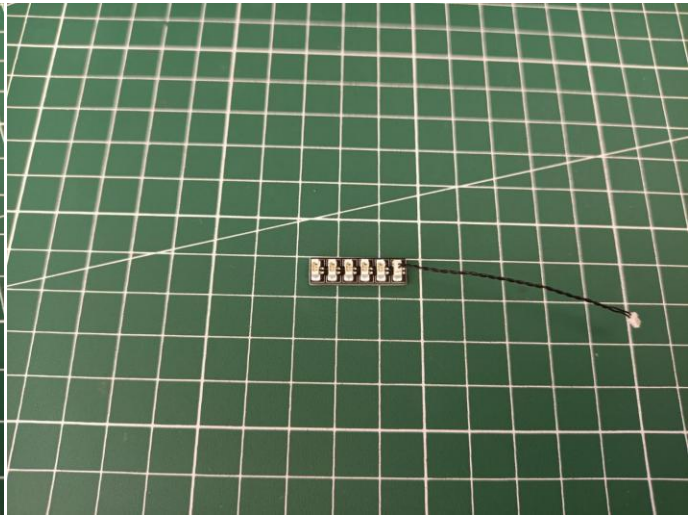
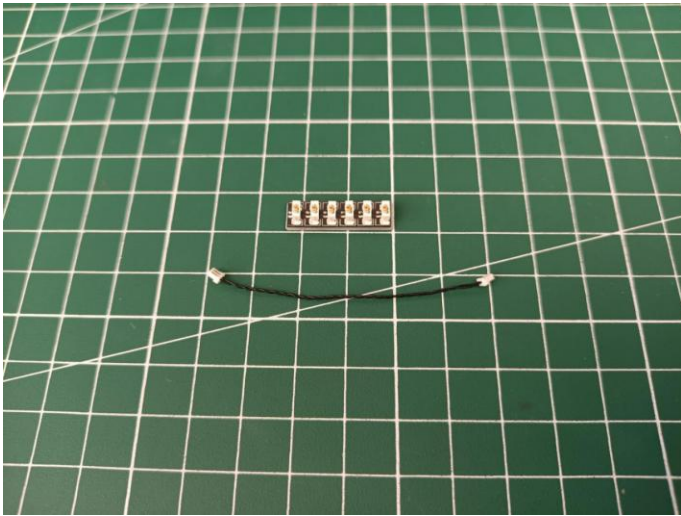
110



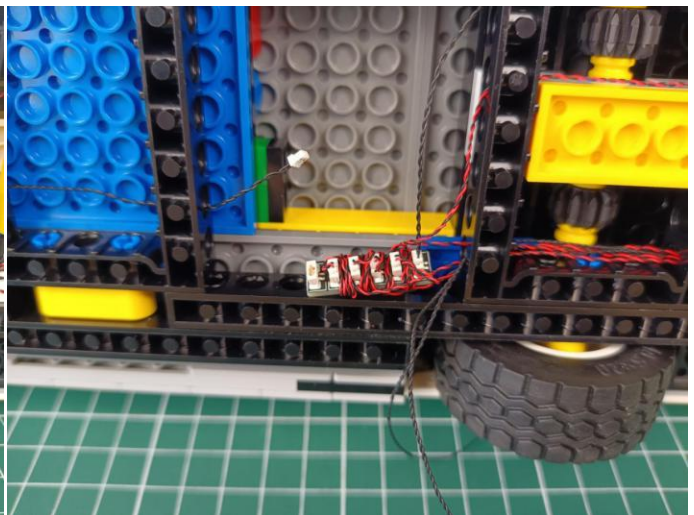
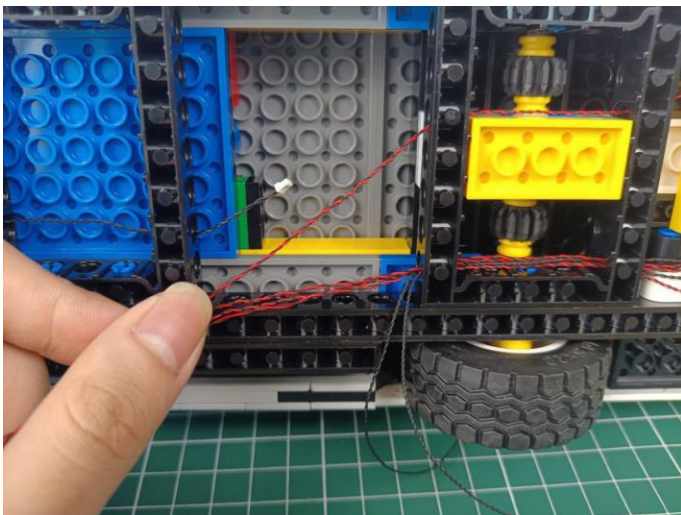
111



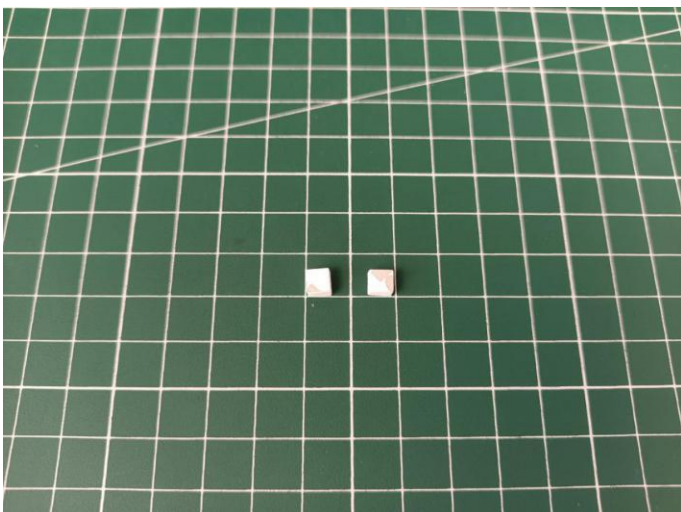
Take a 5cm connecting cable, a 6-port expansion board, assemble them as per below.



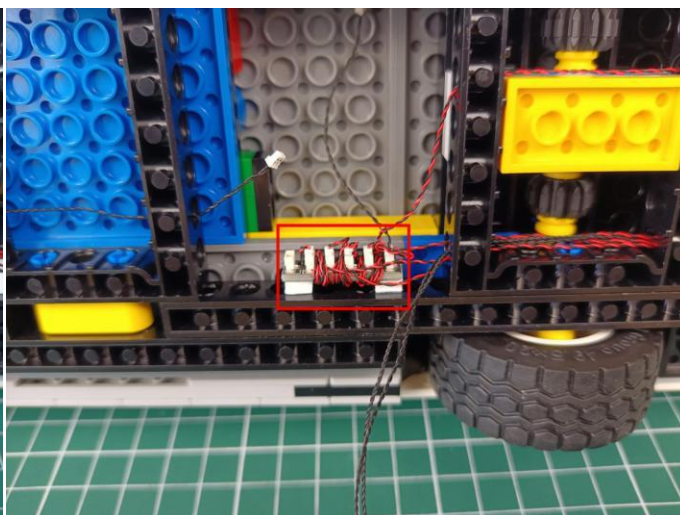
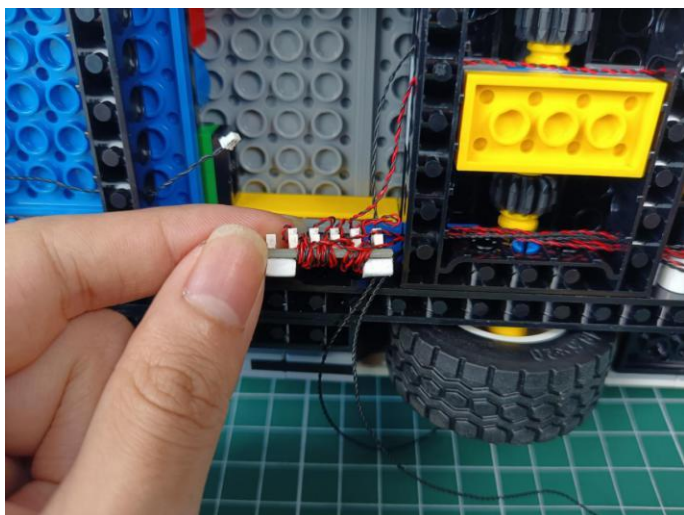
112



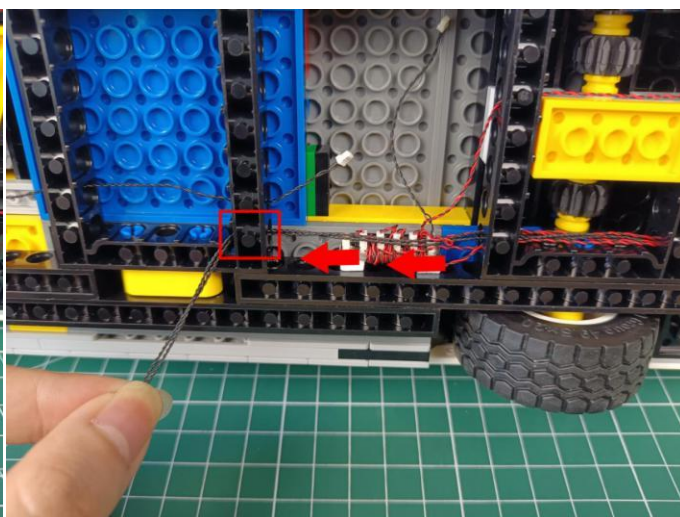
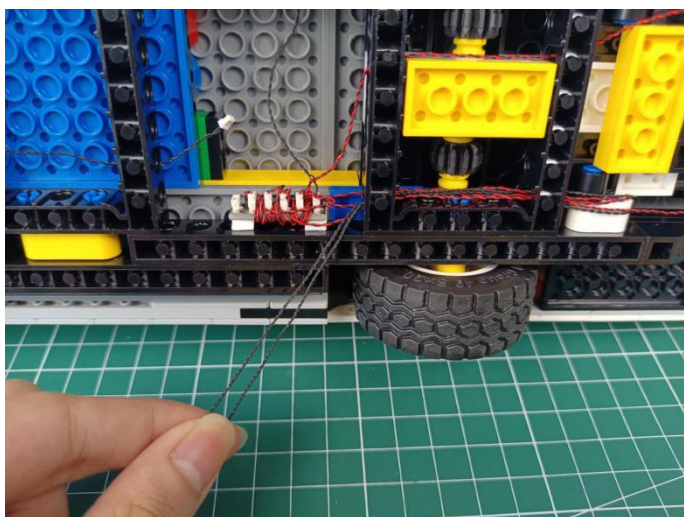
Take 2 adhesive squares.



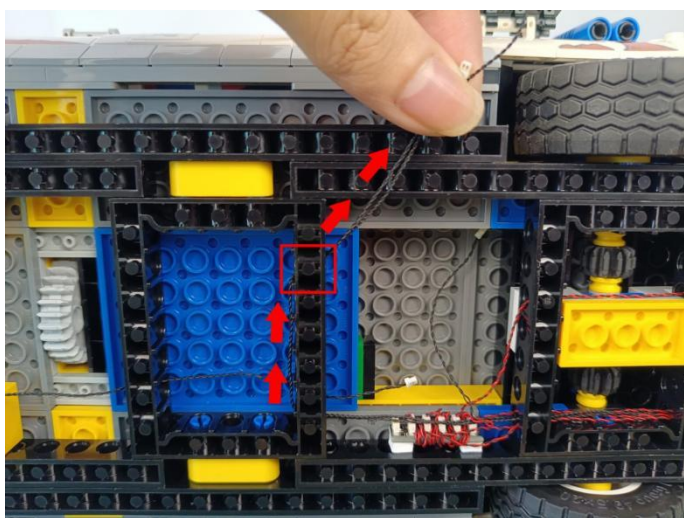
113



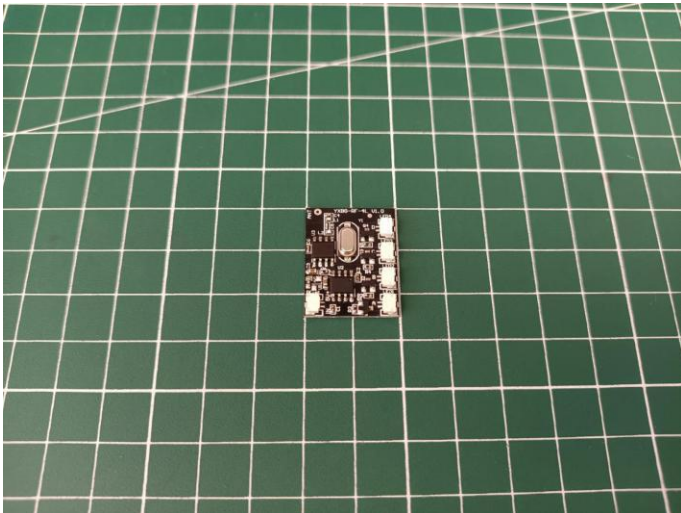
114




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Take a Remote Control Switch Board.

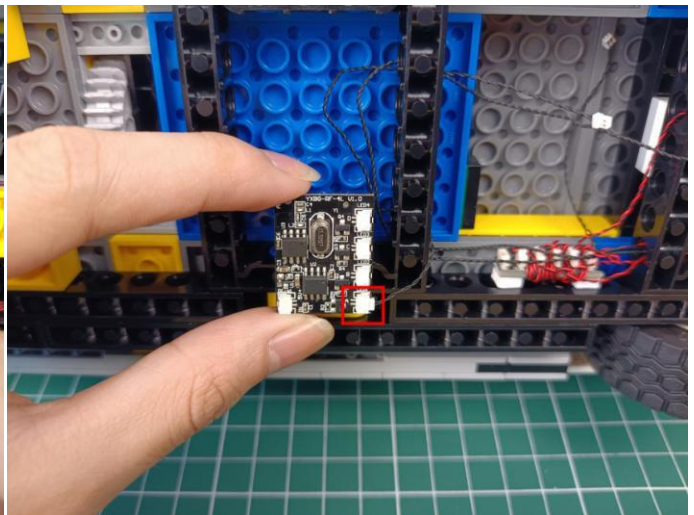
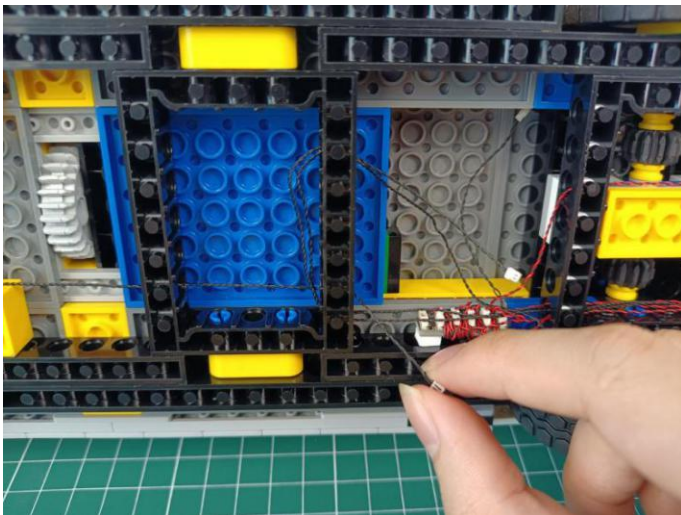


Remote control function description

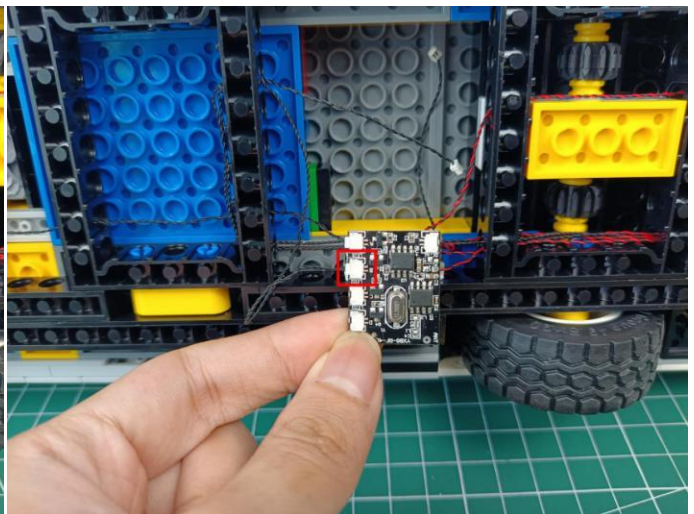
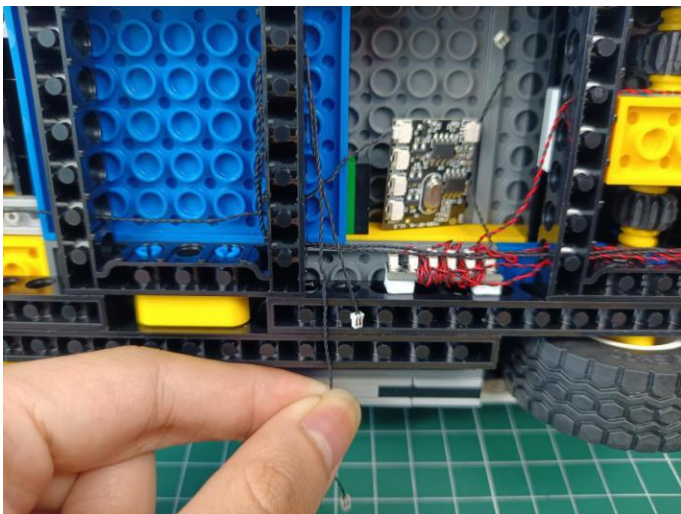


ON: All branches are opened
OFF: all branches are closed
A: open/close A road
B: open/close B road
C: open/close C road
D: open/close D road
FS: Turn on blinking for the last open channel
BLN: Start breathing for the last opened path
↑: Increase blinking/breathing rate
↓: Increase blinking/breathing rate
Brightness+: Increase brightness
Brightness -: Reduce brightness

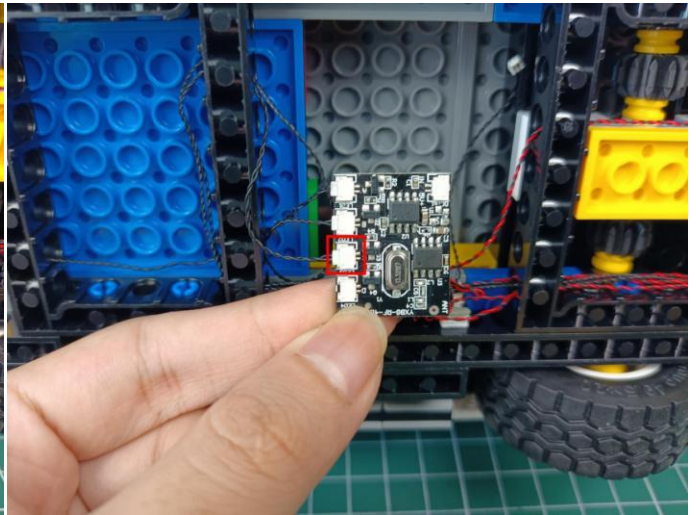
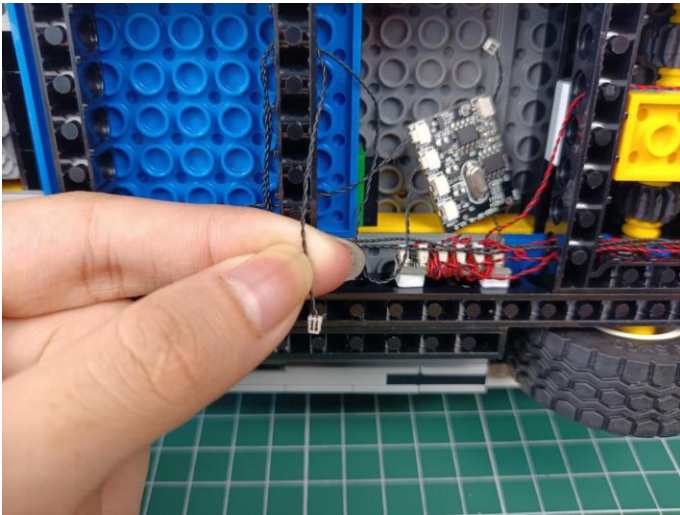
116



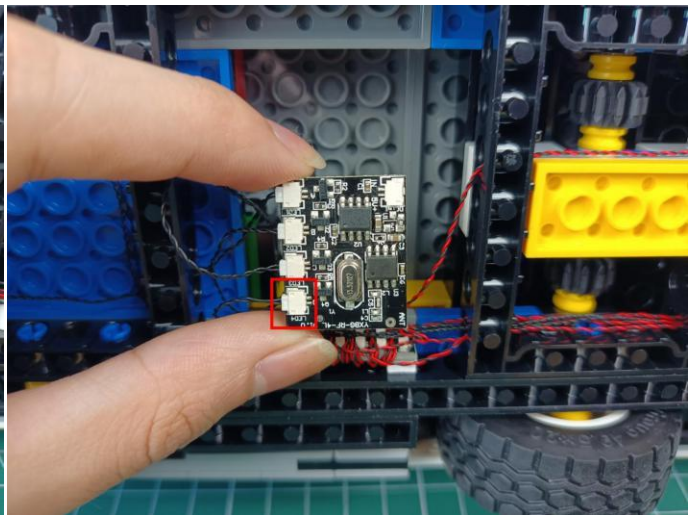
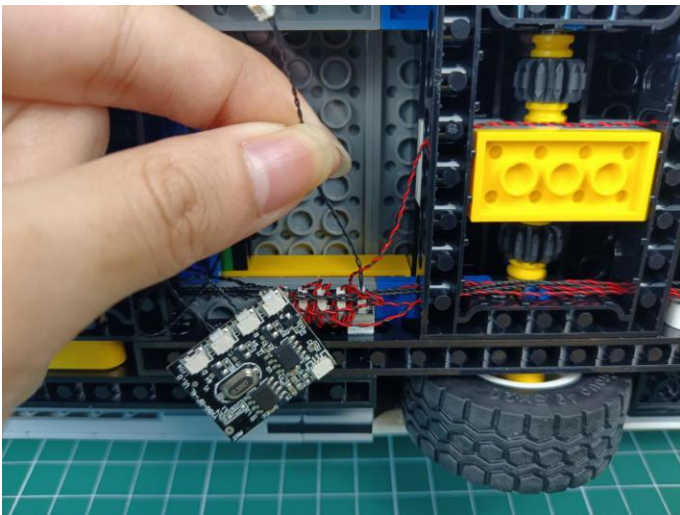
117



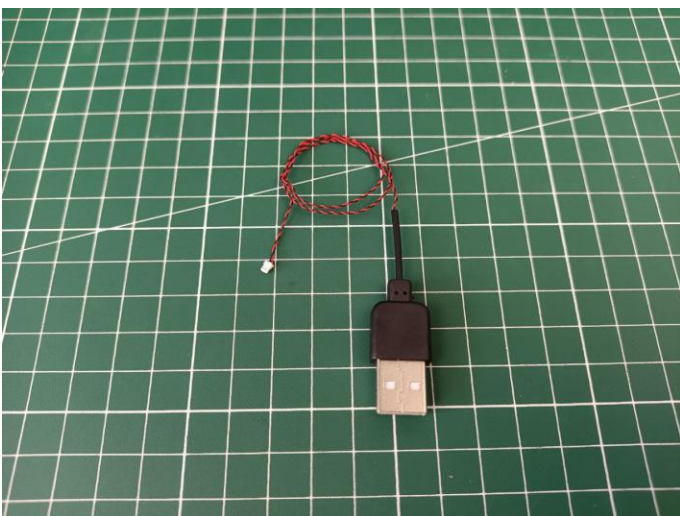
118



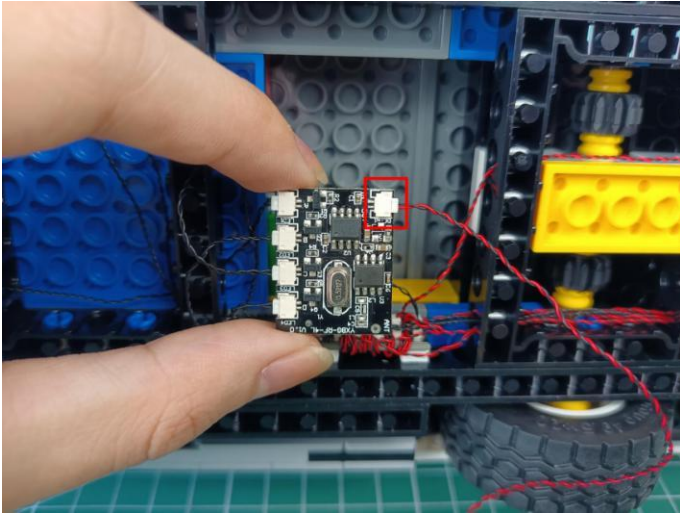
119



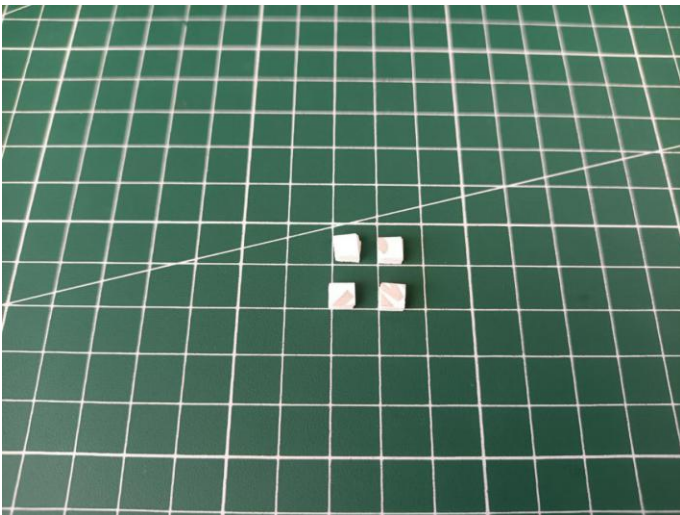
Take a USB cable.



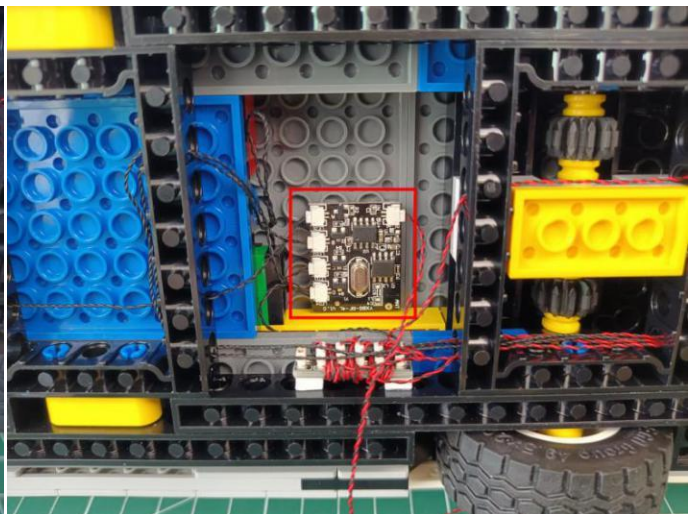
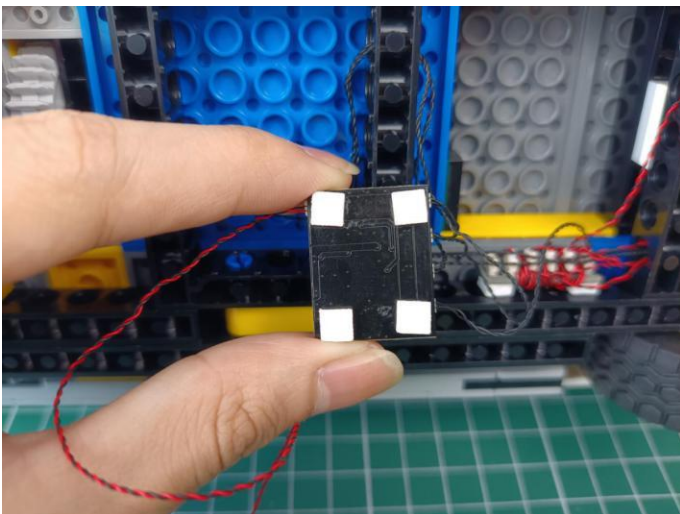
120



Take 4 adhesive squares.



121



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

