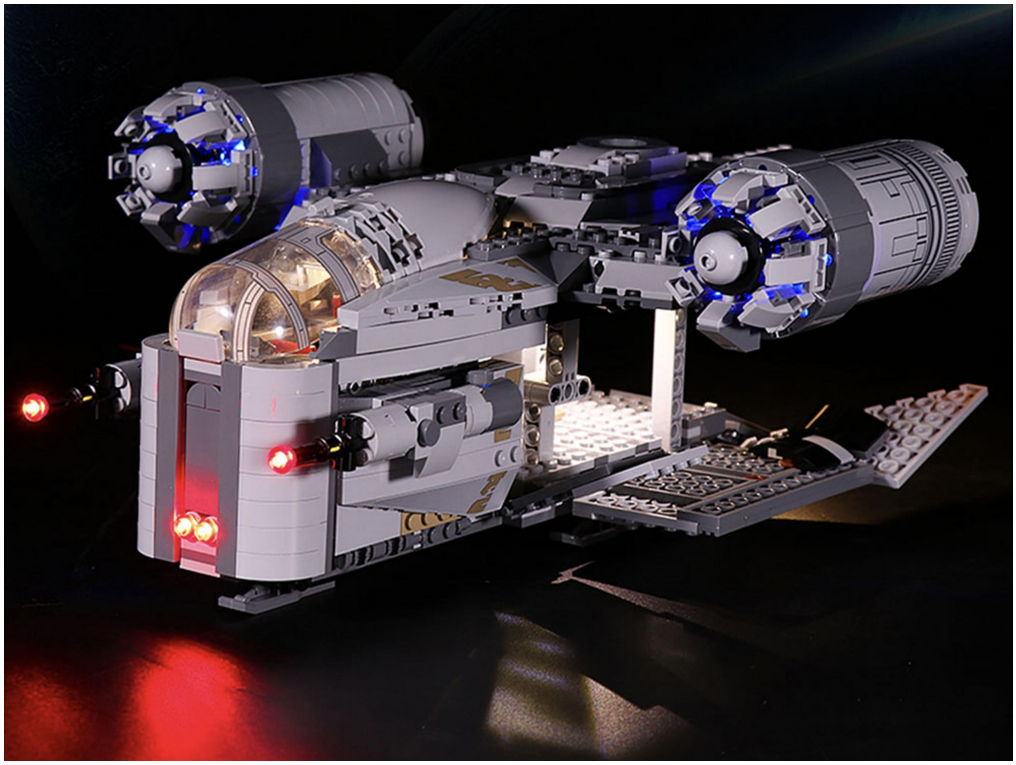
75292 The Razor Crest P19703

- **P19703 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 “75292 P19703”.**

- **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-Red	Bit Lights-15CM-Red	3
Bit Lights-30CM-Blue	Bit Lights-30CM-Blue	8
Bit Lights-30CM-Red	Bit Lights-30CM-Red	1
Bit Lights-30CM-Warm White	Bit Lights-30CM-Warm White	2
Headlights-15CM-Warm White	Headlights-15CM-Warm White	2
LED Strip Lights-Warm White	LED Strip Lights-Warm White	1
Expansion Board	8 Socket Expansion Board	1
	12 Socket Expansion Board	1
USB Power Cable	USB Power Cable-30CM	1
Connecting Cables-5CM	Connecting Cables-5CM	2
Connecting Cables-15CM	Connecting Cables-15CM	1
Voice Control Module	Voice Control Module	1
Parts package		

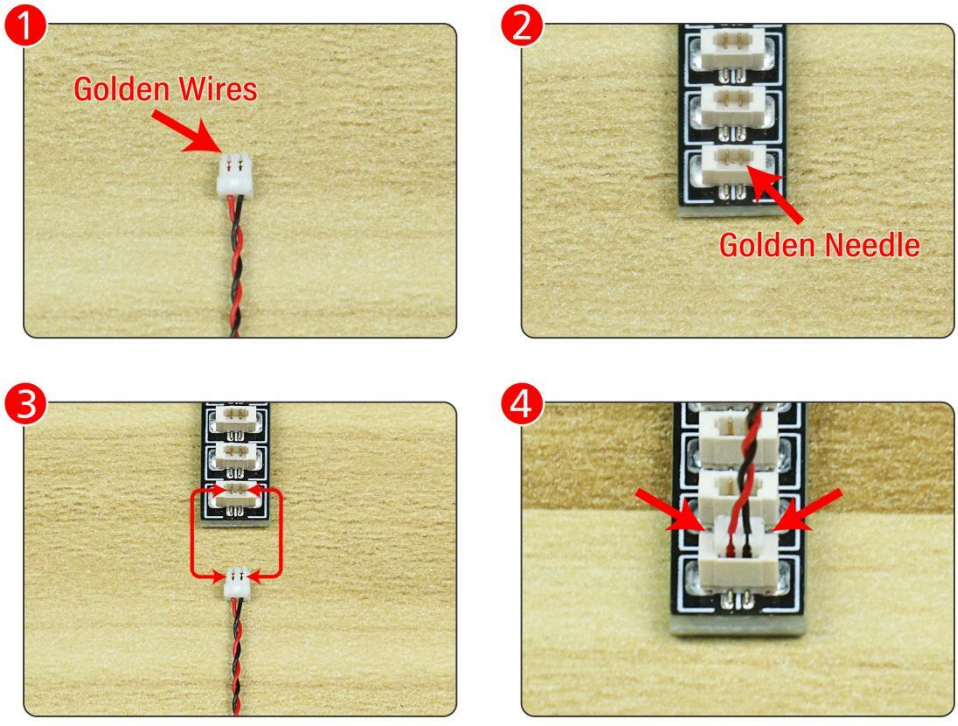
Please contact us immediately if there have any missing components.

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.

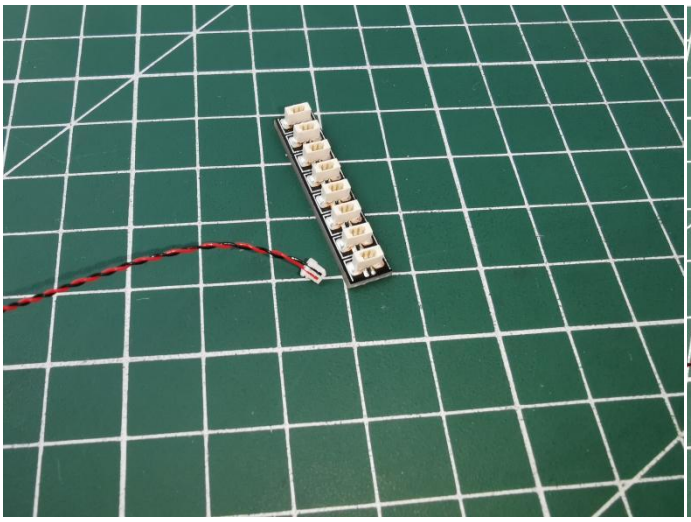
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

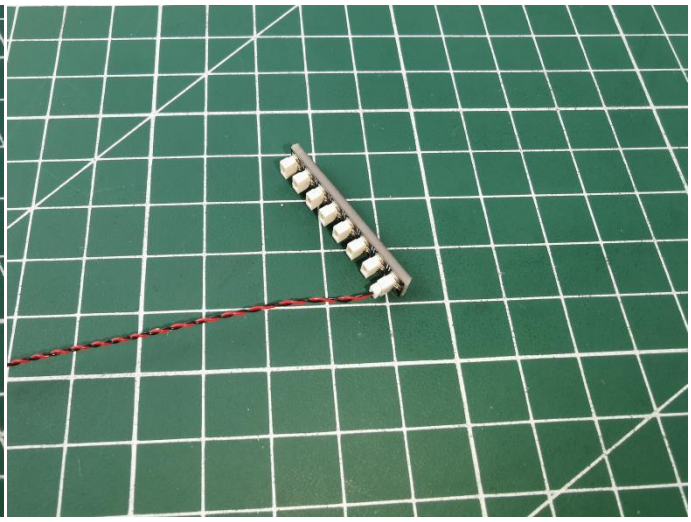
Note that on one side of the white plug you can see two very small golden wires that should be connected to the two golden needles in socket of the expansion board.shown as blow.



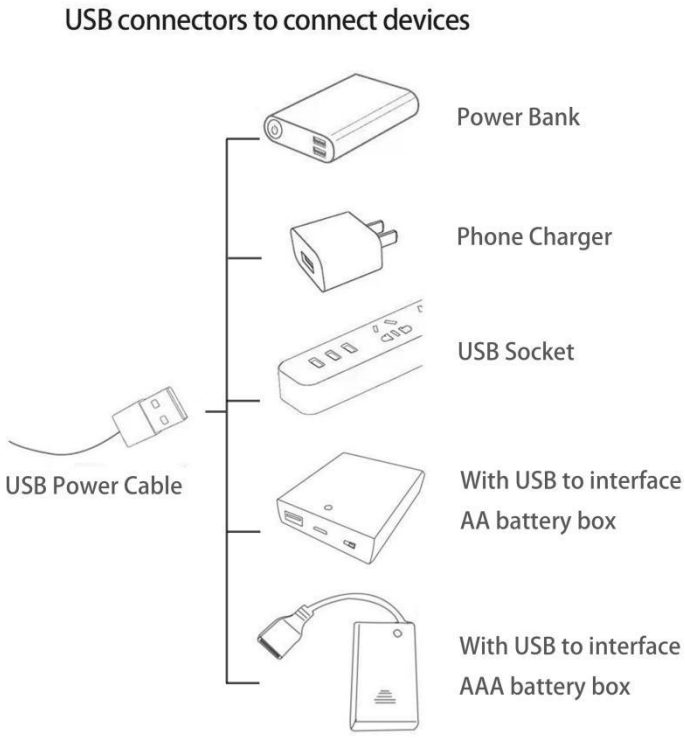
All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

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



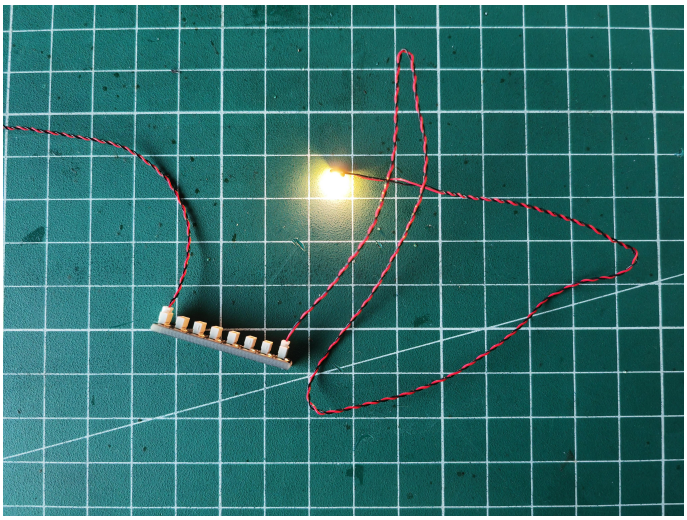


The USB Power Cord can be powered by phone chargers, power banks,etc.



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

when we test "Bit Lights-30CM-Warm White" particles,Take out the bag labelled "Bit Lights-30CM-Warm White".Take out one of the light and connect it to the socket. Turn on the power bank, the light will turn on normally as shown below.



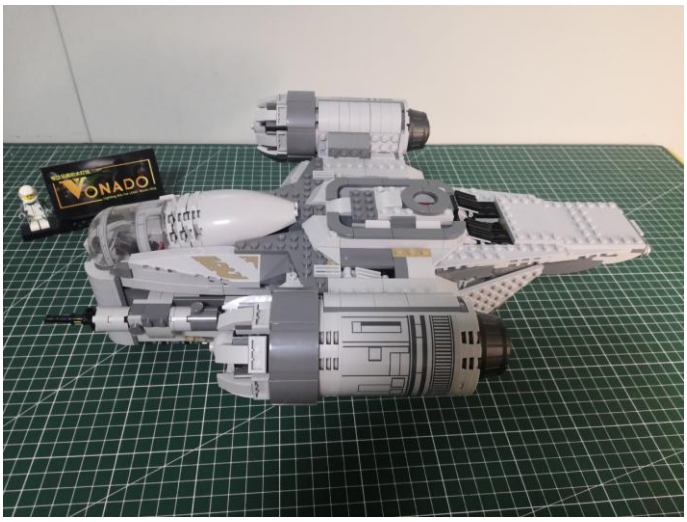
Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.

The components needs to be tested in this set is 3*Bit Lights-15CM-Red,8*Bit Lights-30CM-Blue,1*Bit Lights-30CM-Red,1*Bit Lights-30CM-Warm White,2*Headlights-15CM-Warm White,1*LED Strip Lights-Warm White.

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

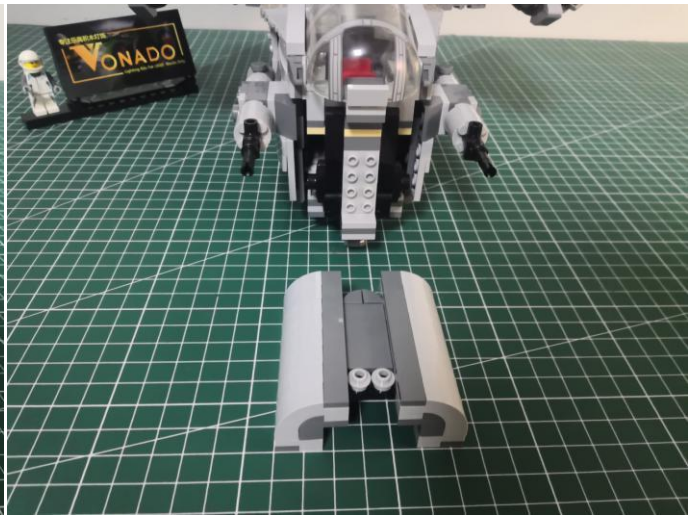
Section C： laying out components following the instruction.

1.OK, Let’s Begin!

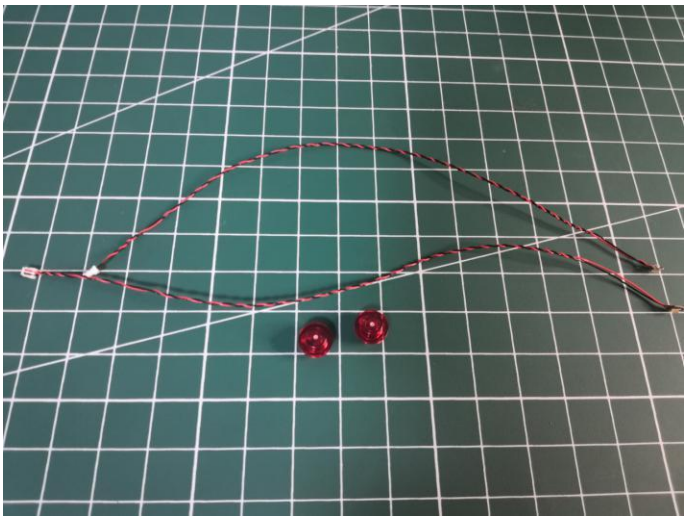


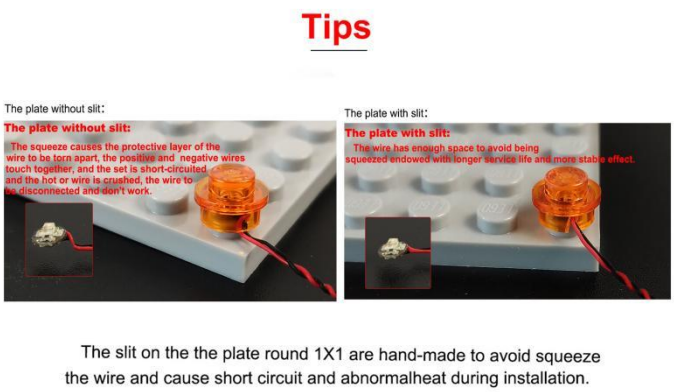
2.Turn to the head of the spaceship firstly.

3.Remove the following piece.



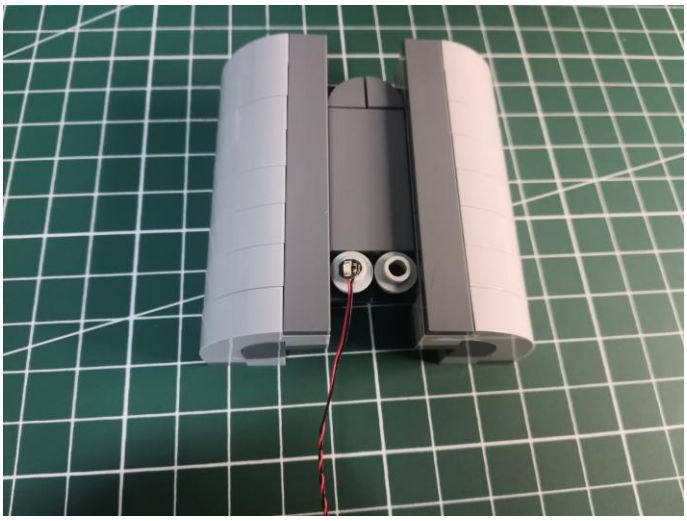
4.Take 2 red 15cm dot lights, 2 trans red 1x1 round plates.

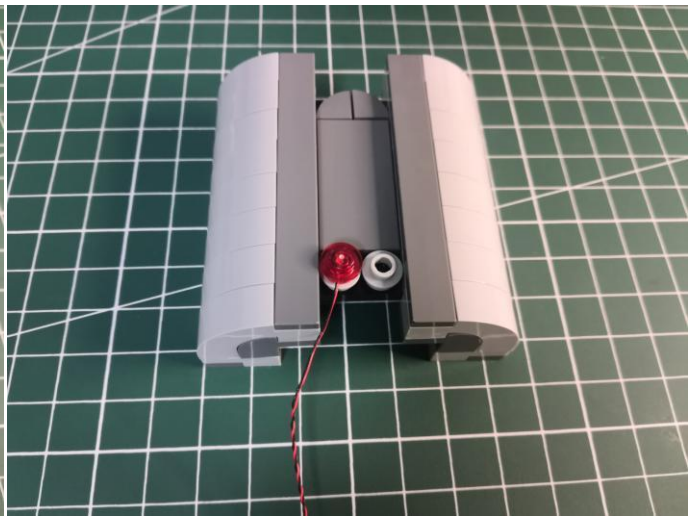




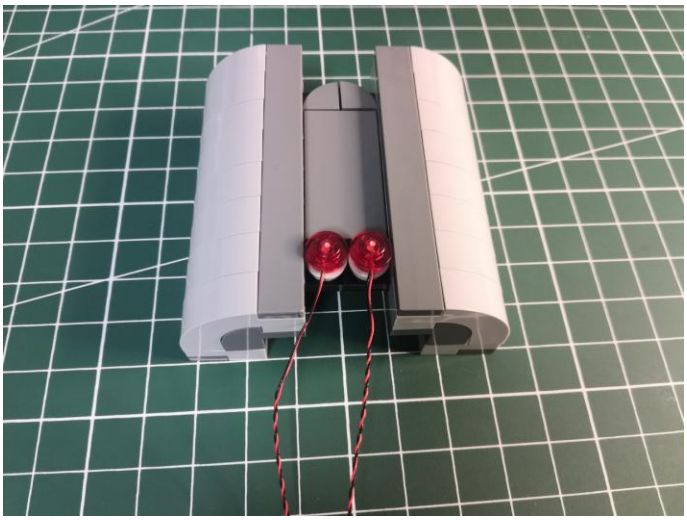
The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormalheat during installation.

5.Take the piece we removed before, with lighting part facing up, place the light as per below, connect the trans red 1x1 round plate over.

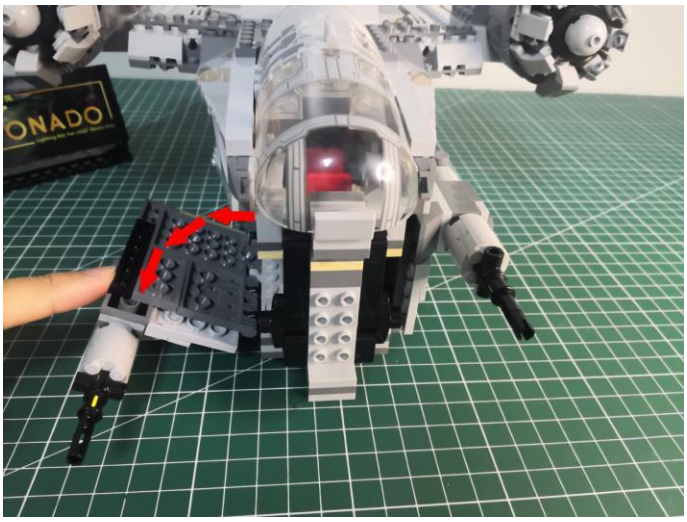




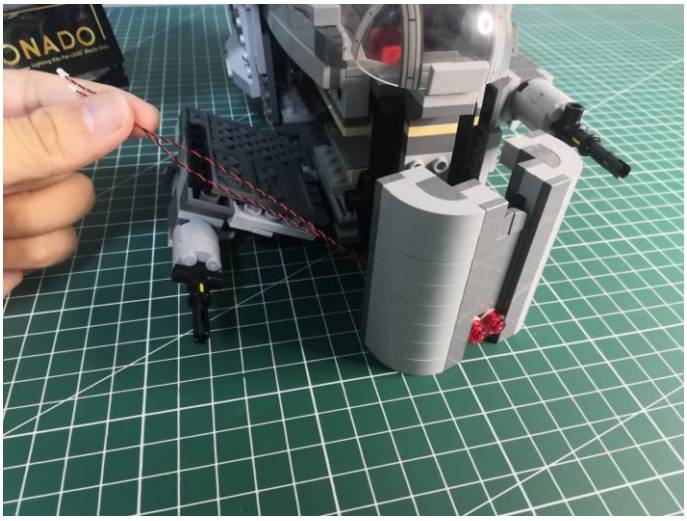
6.Install the light at the other side in the same way.

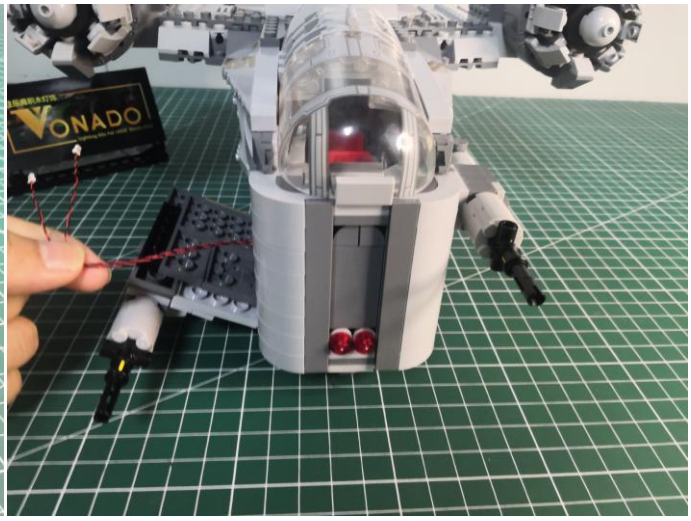


7.Open the following piece.

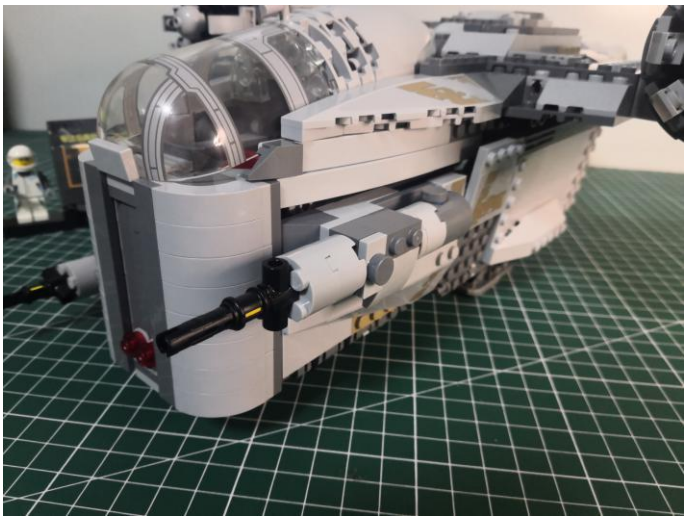


8.Pull the 2 cables left behind, reconnect the piece.

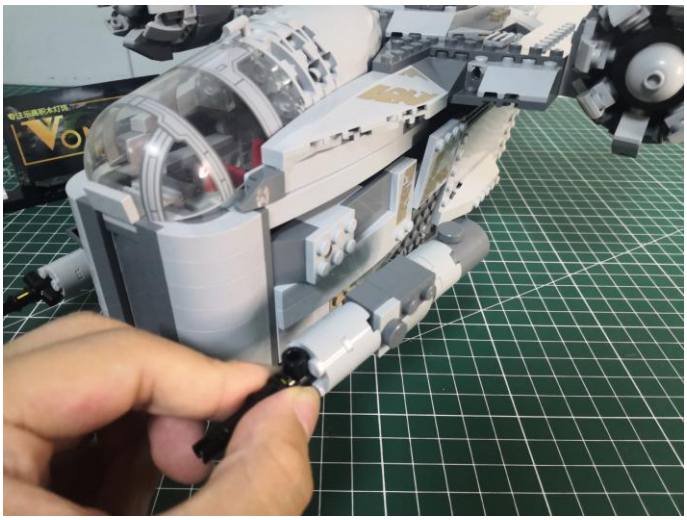
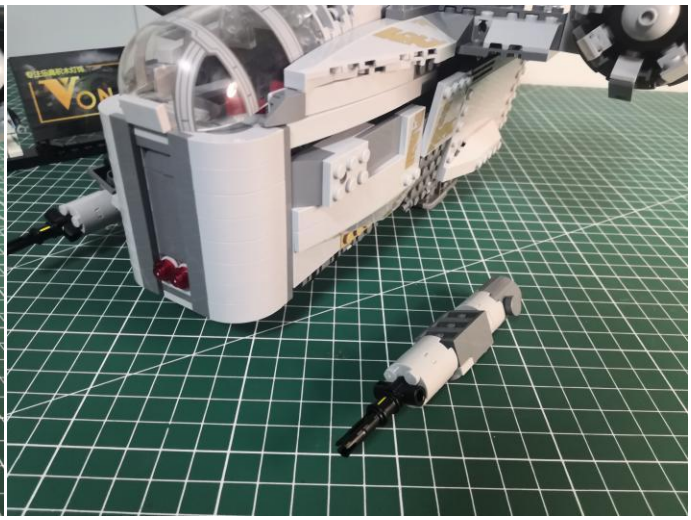




9.Turn to the following place.

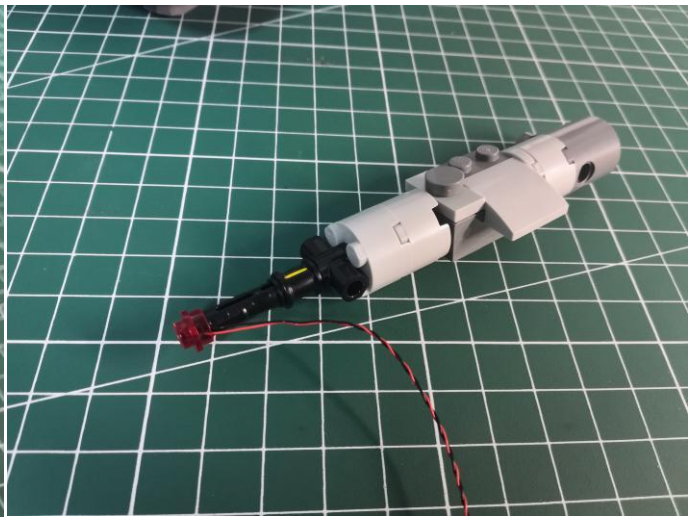


10.Remove the following piece.

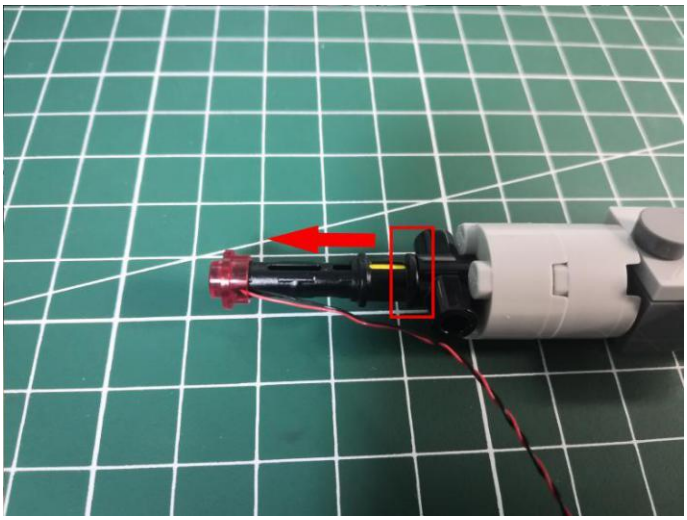
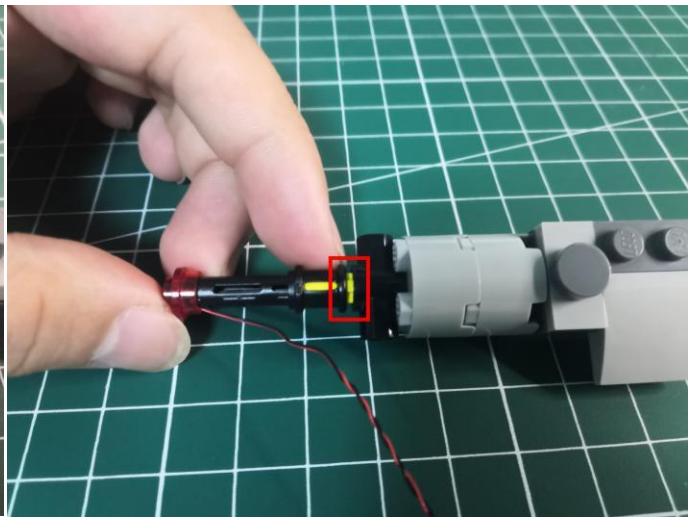



11.Take a red 30cm dot light, a trans red 1x1 round plate.

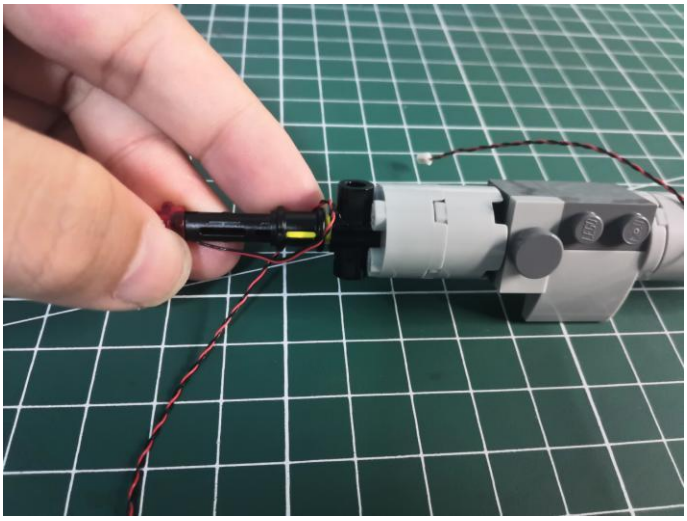
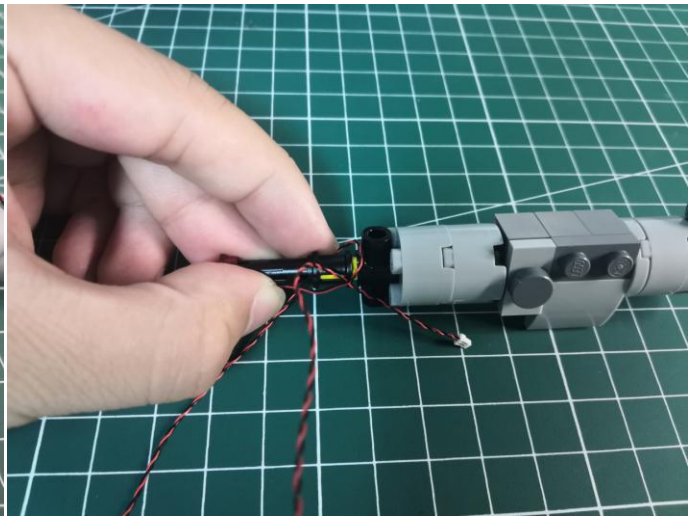
12.Take the piece we removed before, with lighting part facing up, place the light as per below, connect the trans red 1x1 round plate over.

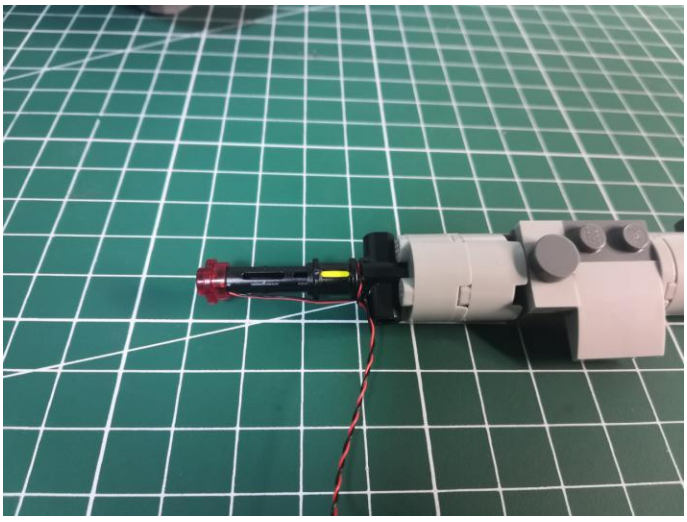
13.Pull the following piece out a bit as per below.

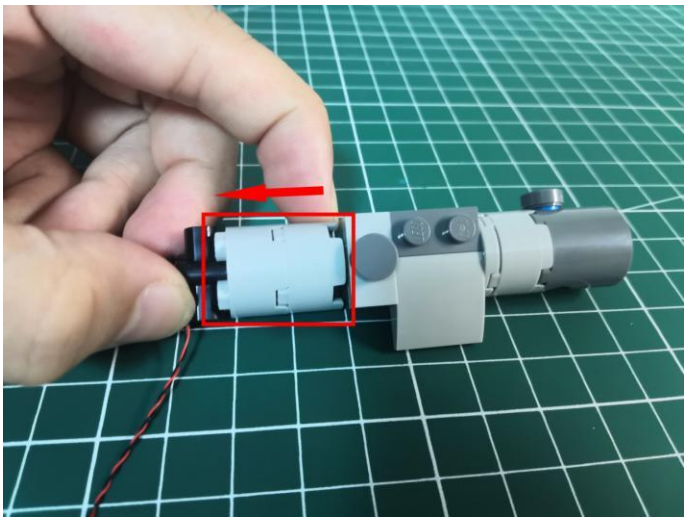
14.Tie a knot at the following place.

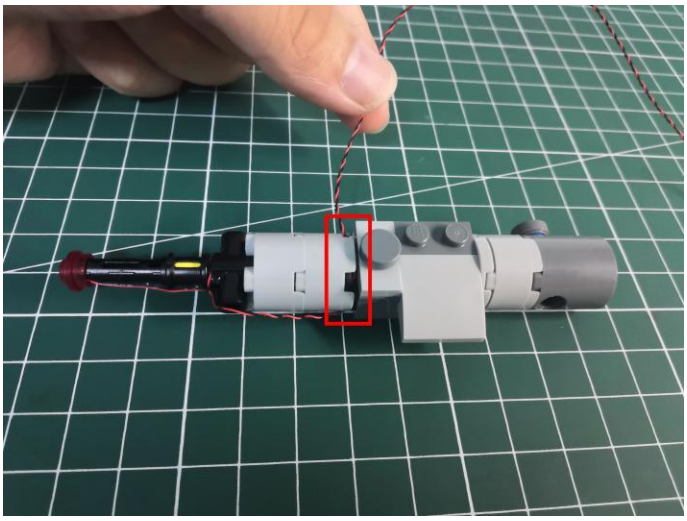
15.Tighten the cable up.

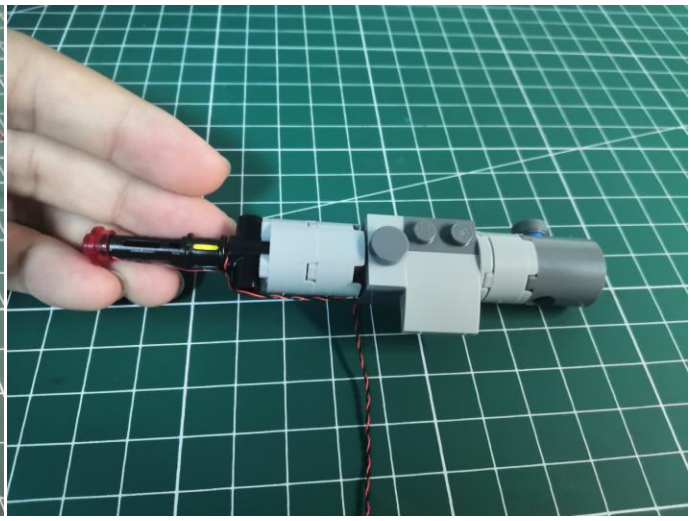


16.Pull the following piece out a bit.

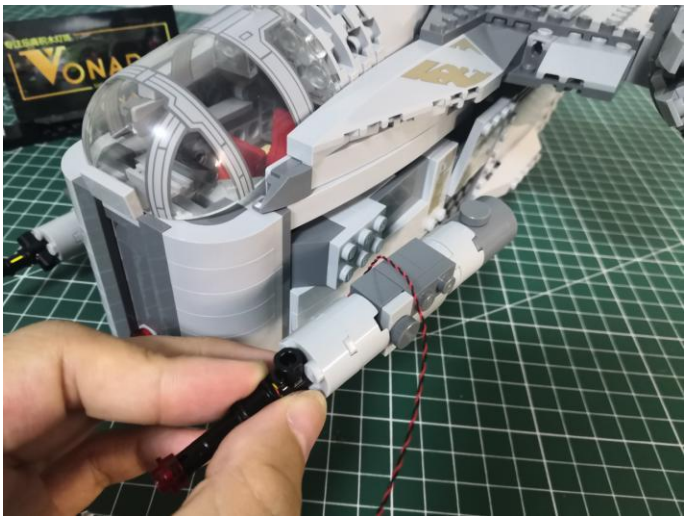


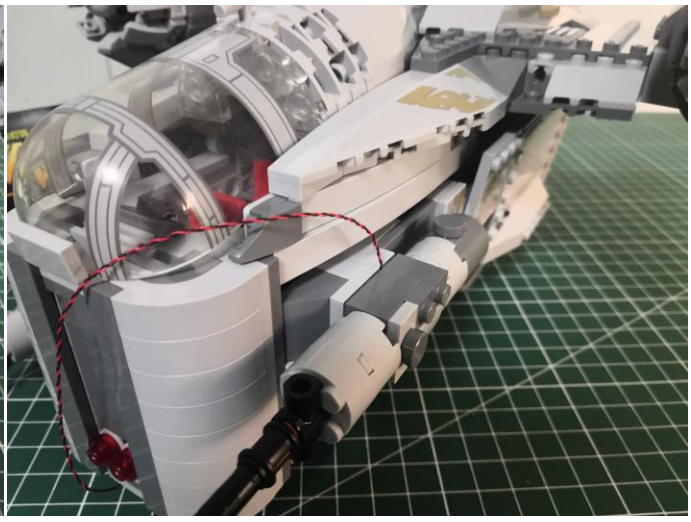
17.Wind the cable as per below, secure the cable at the groove, tighten the cable up.



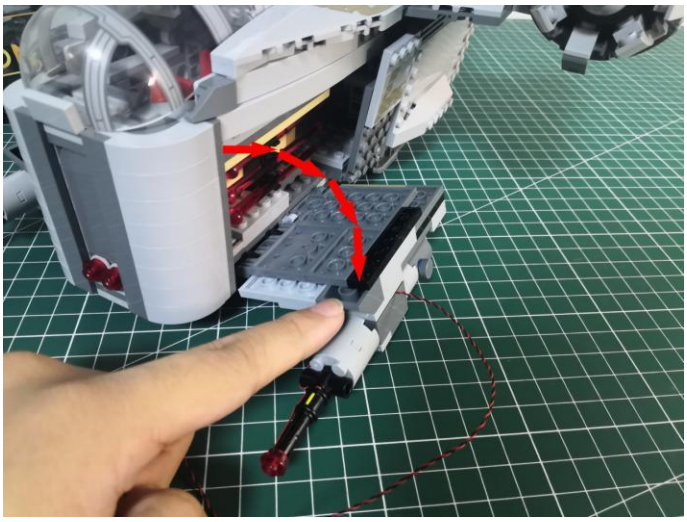


18.Reconnect the piece, with cable facing up, place the cable in between pieces.

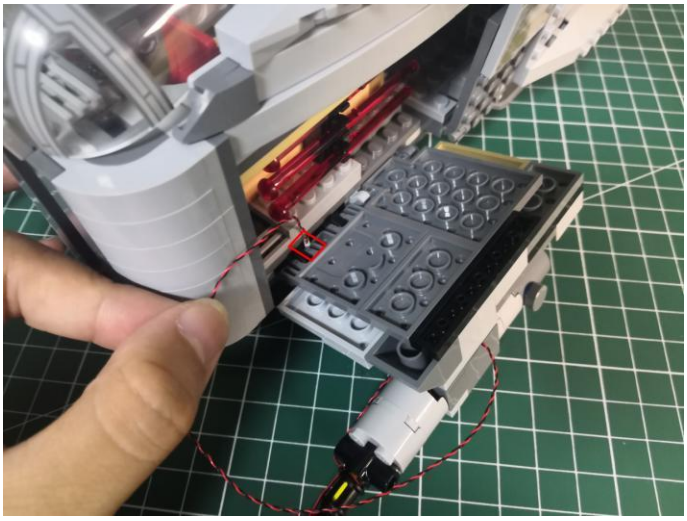




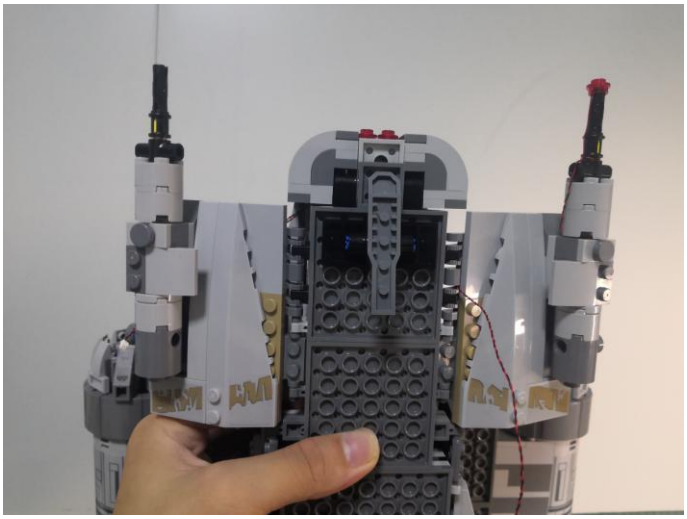
19.Open the following piece.



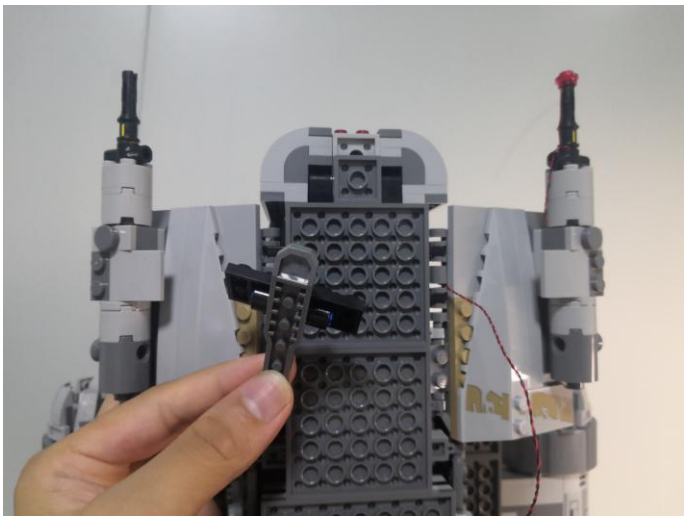
20.Thread the cable through the following space, tighten the cable up.



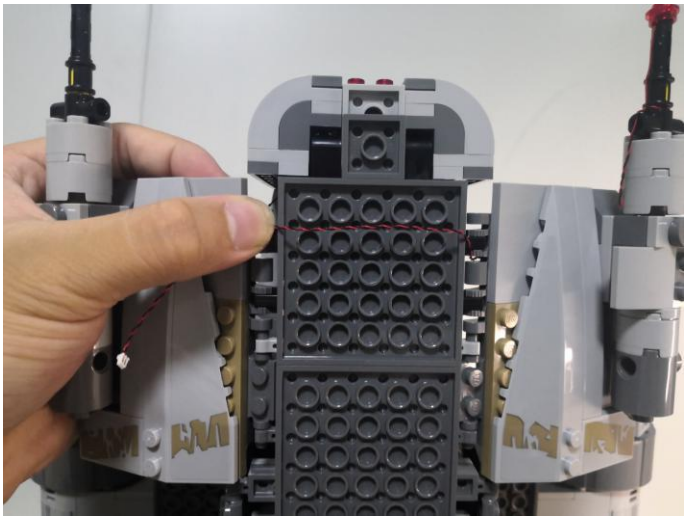
21.Take the spaceship, look at the bottom.

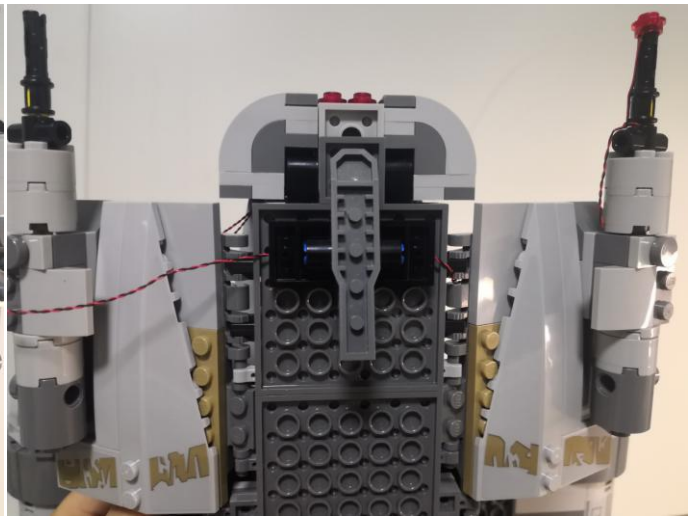


22.Remove the following piece.

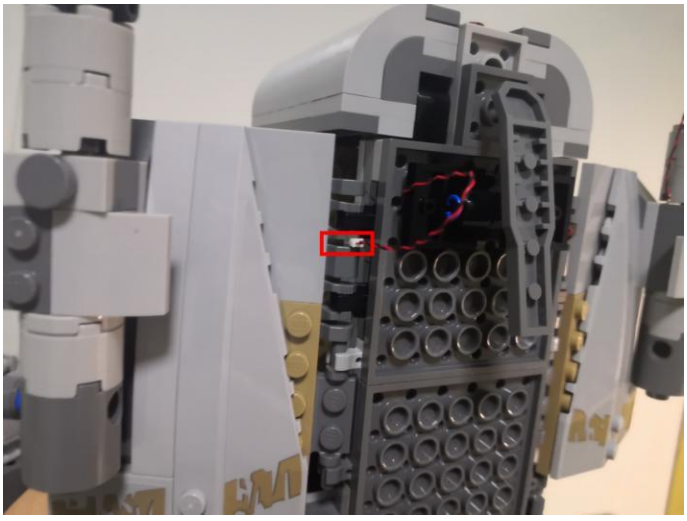


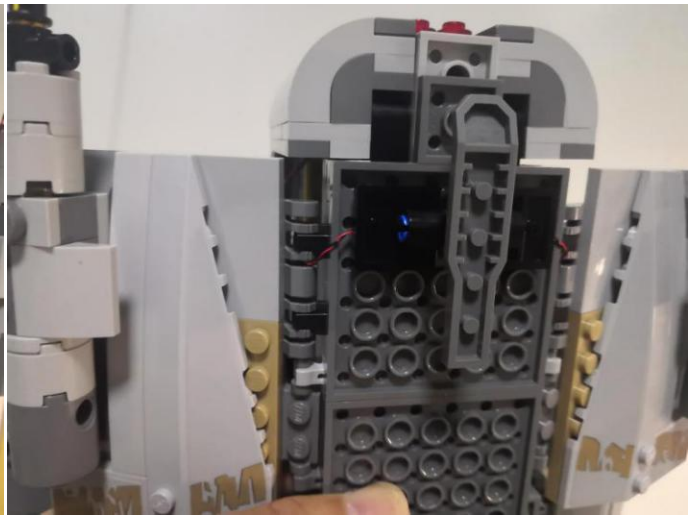
23.Place the cable as per below, reconnect the piece.





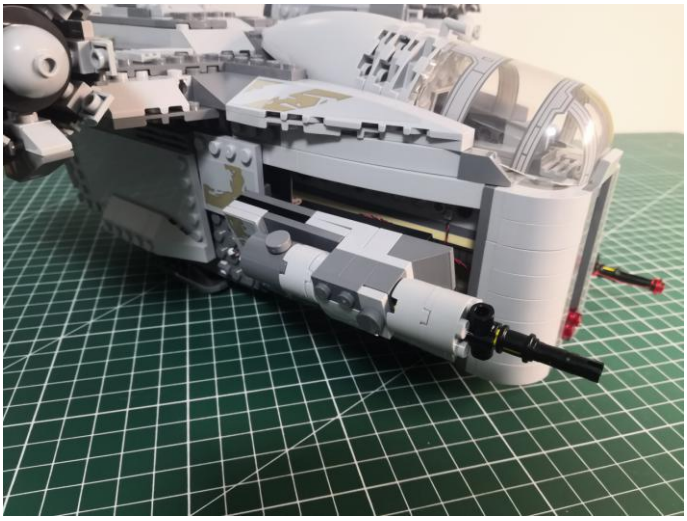
24.Thread the cable through the following space.



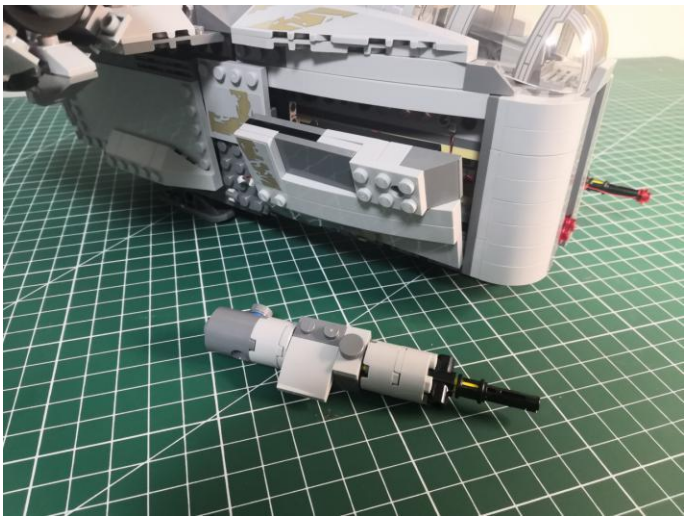


25.Place the spaceship down, tighten the cable up.

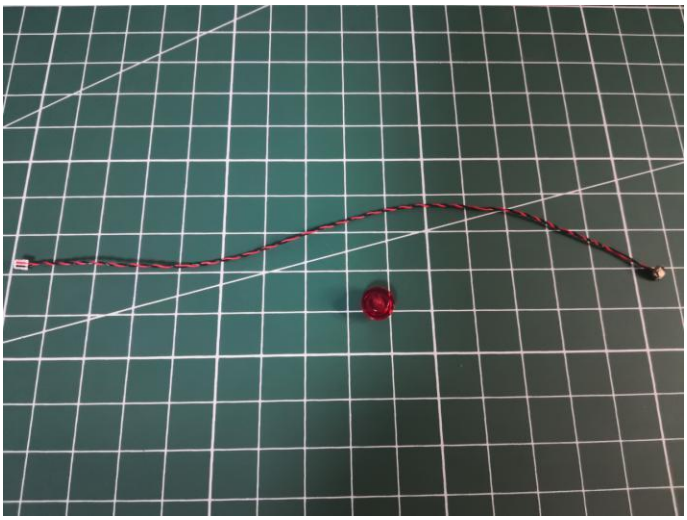
26.Turn to the following place.



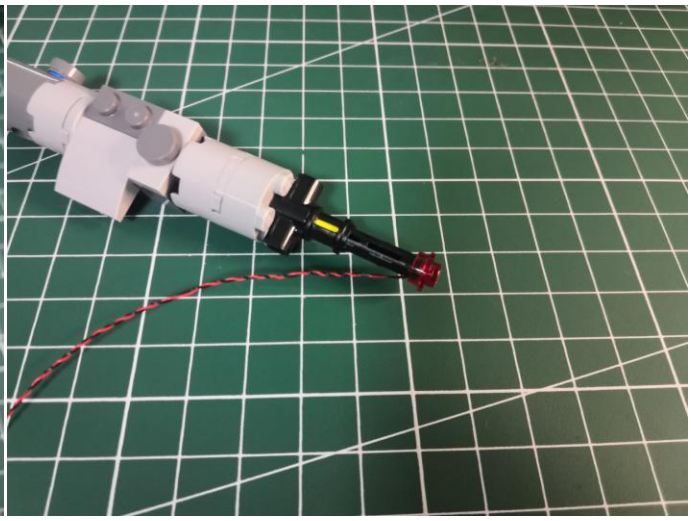
27.Remove the following piece.



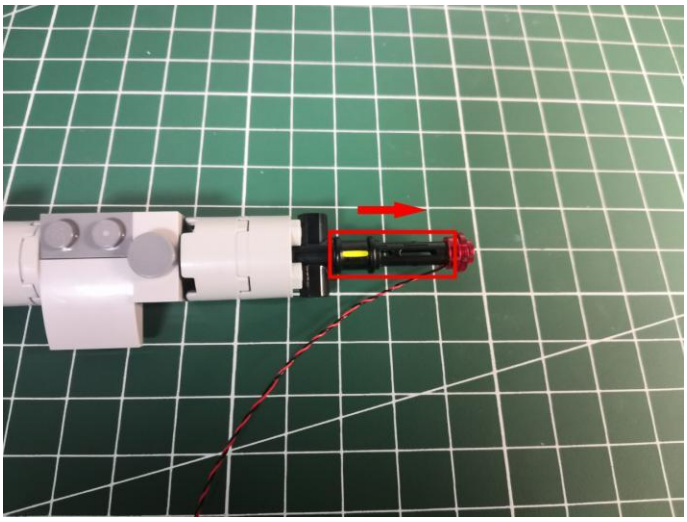
28.Take a red 15cm dot light, a trans red 1x1 round plate.

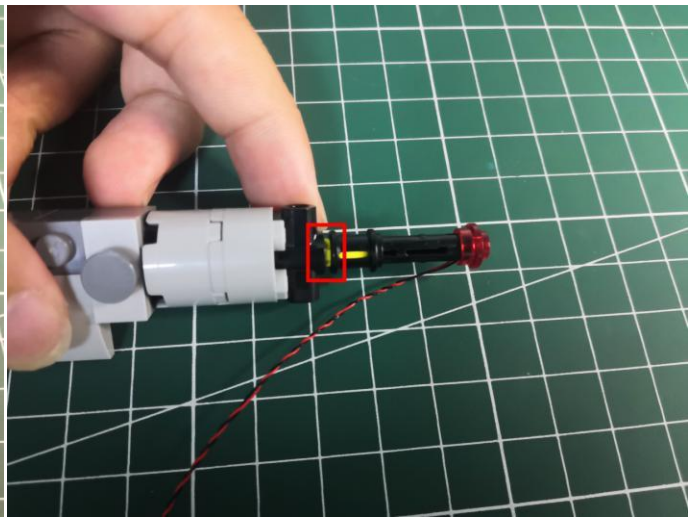


29.With lighting part facing up, place the light as per below, connect the trans red 1x1 round plate over.

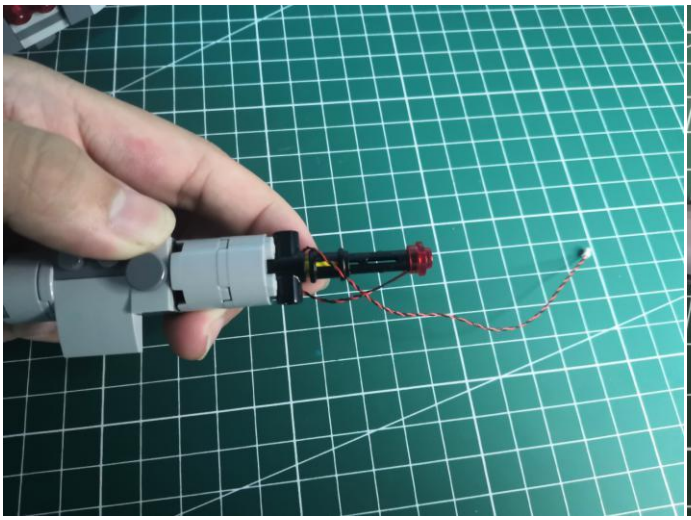
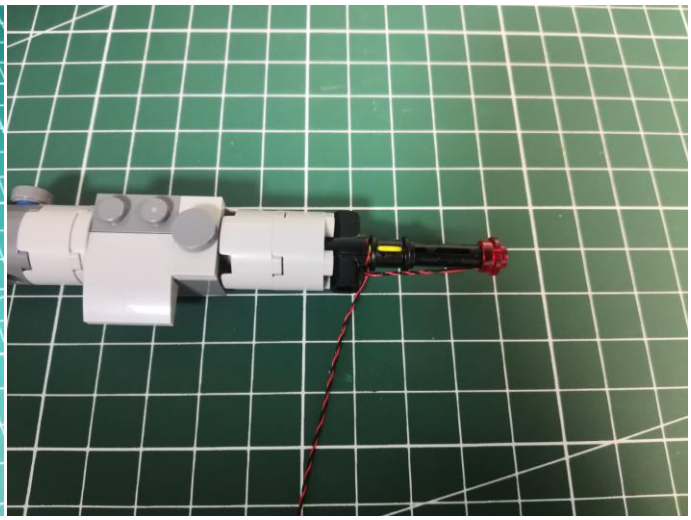


30.Pull the following piece out a bit.

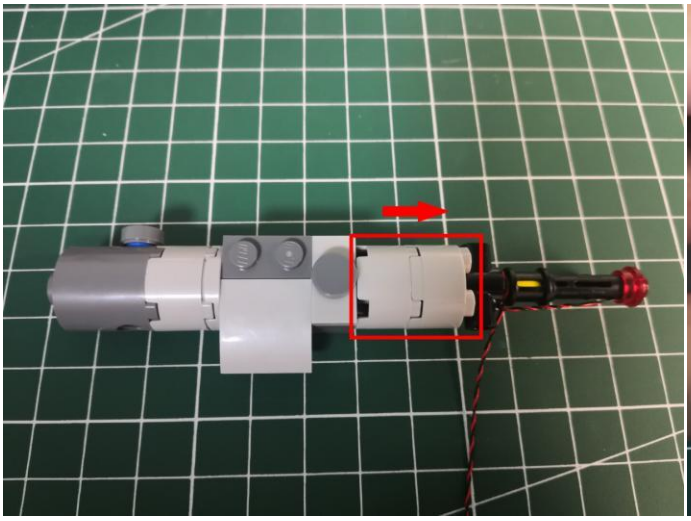
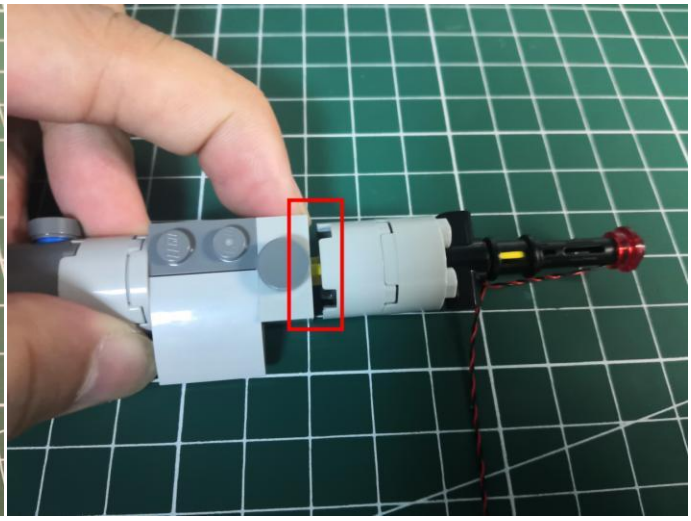




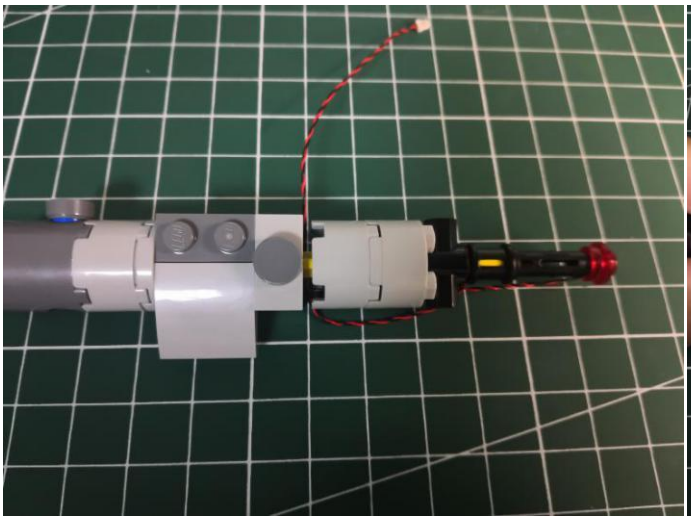
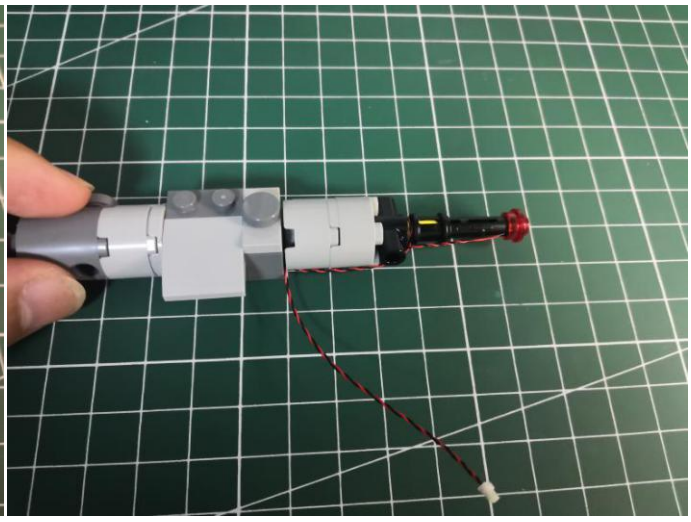
31.Tie a knot at the following place, tighten the cable up.

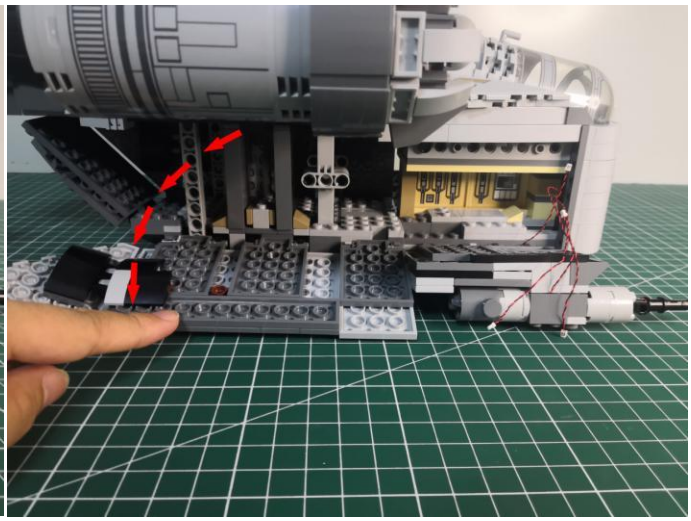
32.Pull the following piece out a bit.

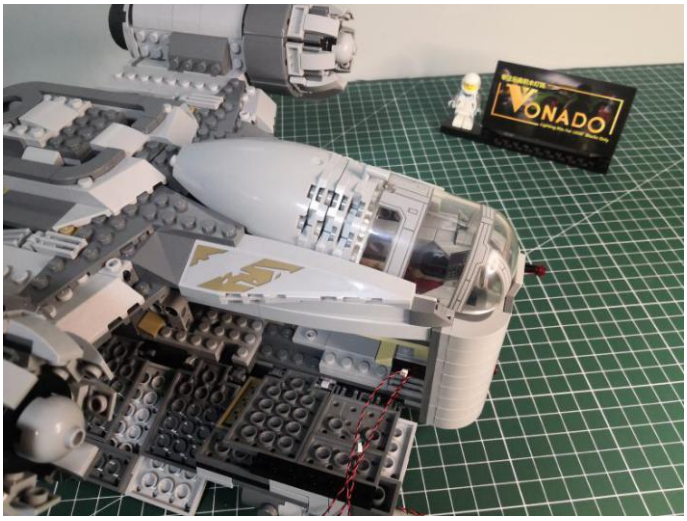
33.Wind the cable as per below, tighten the cable up, reconnect the piece.

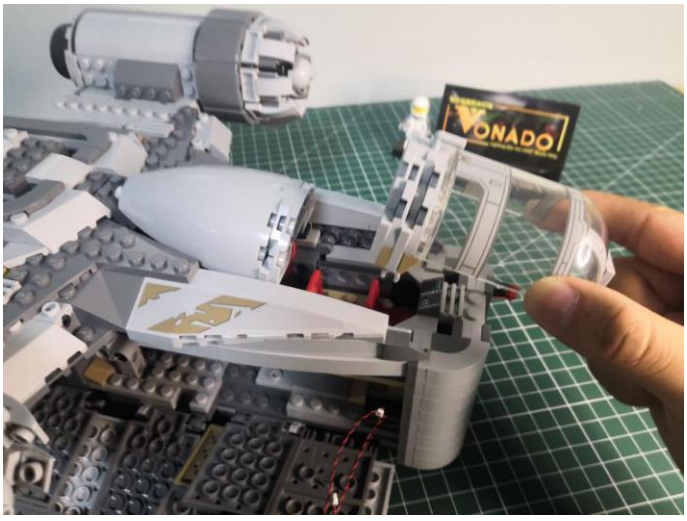
34.Turn to the right side, and open the door.

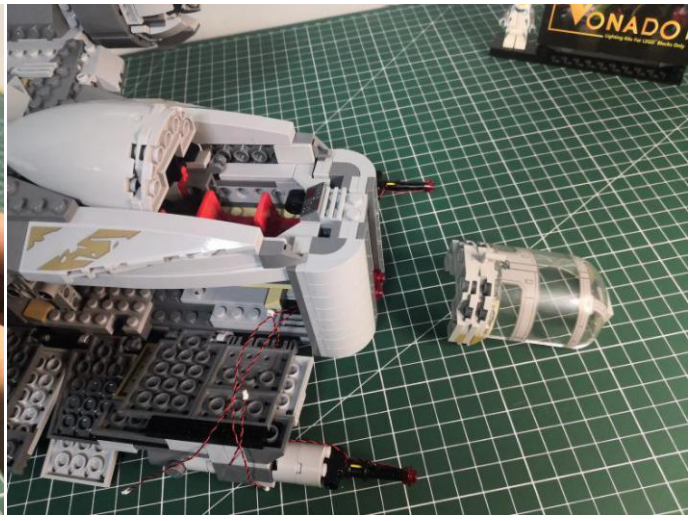


35.Turn to the head.

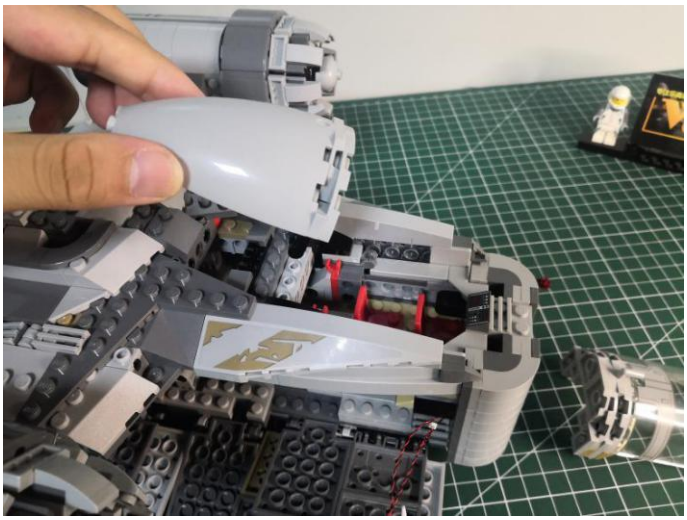


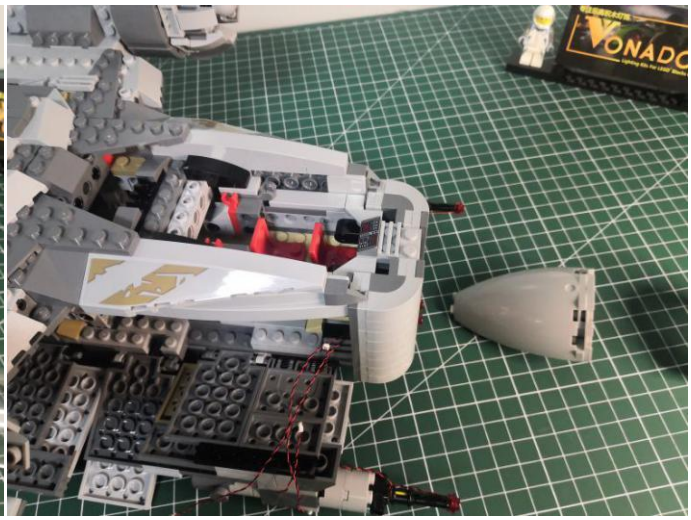
36.Remove the following pieces.





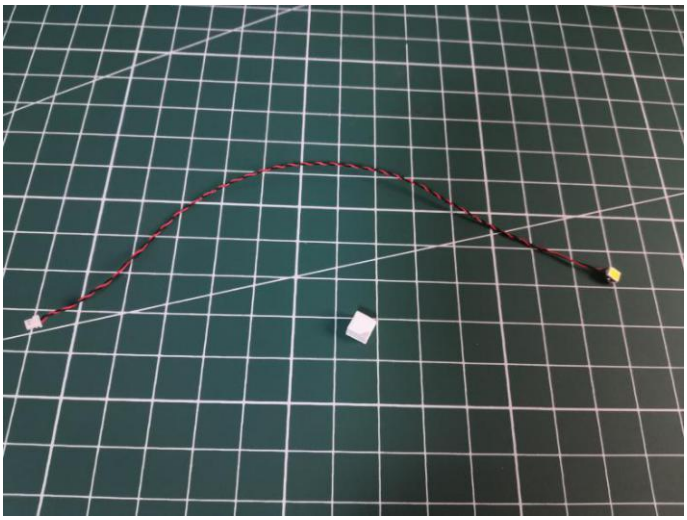
37

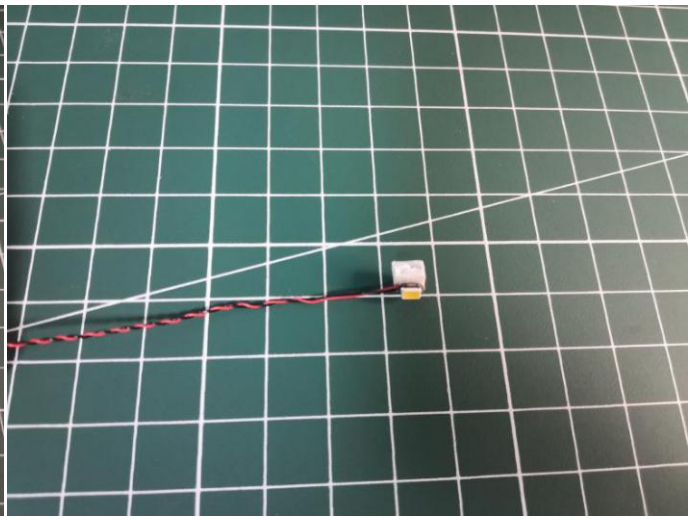




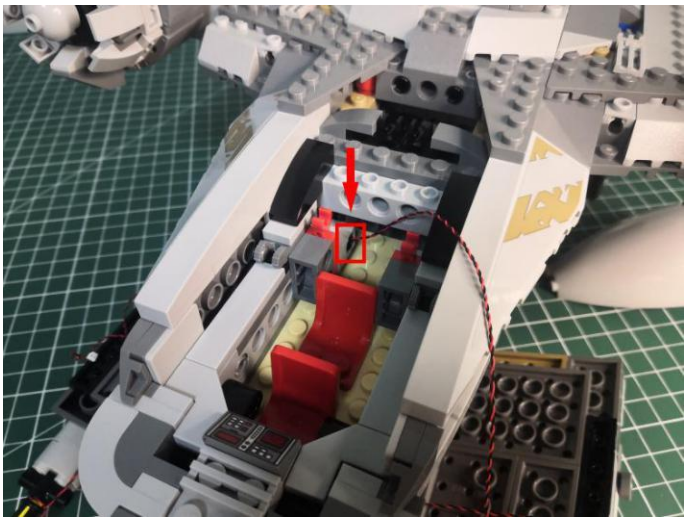
38.Turn to the head.

39.Take a 15cm head light, an adhesive square, stick the adhesive square to the back of the light.

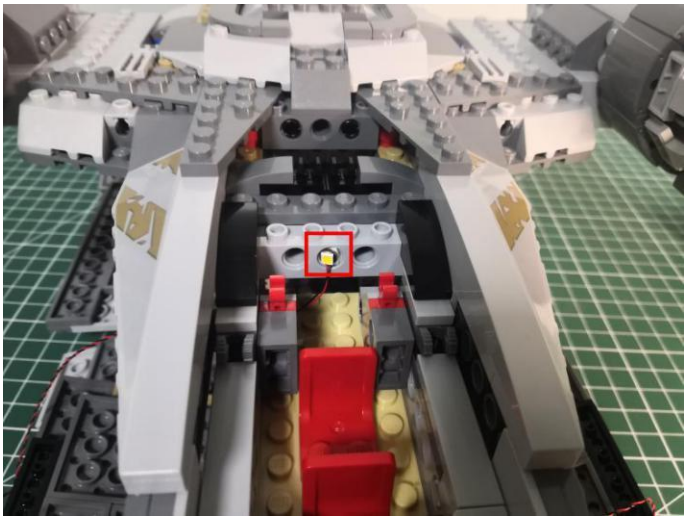




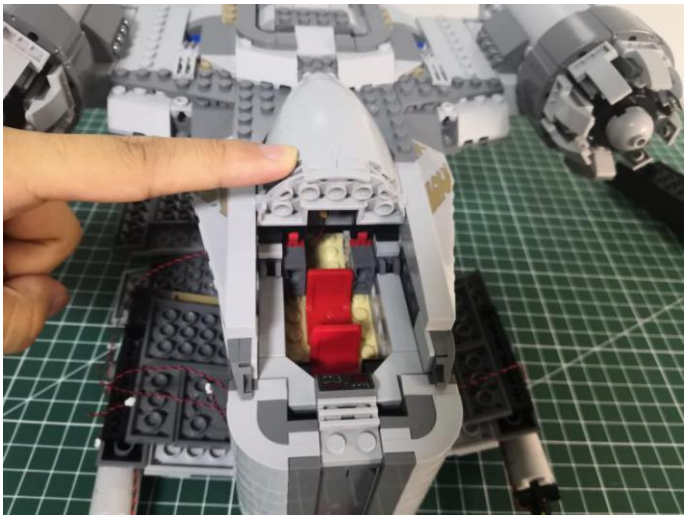
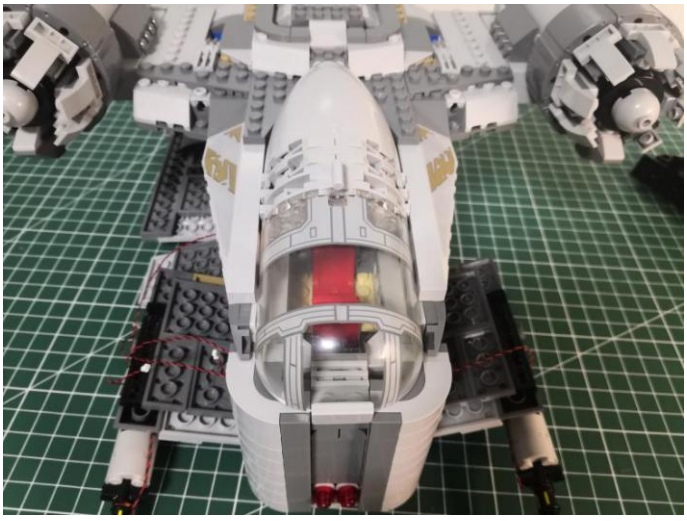
40.Thread the cable through the following space, pull the cable out.



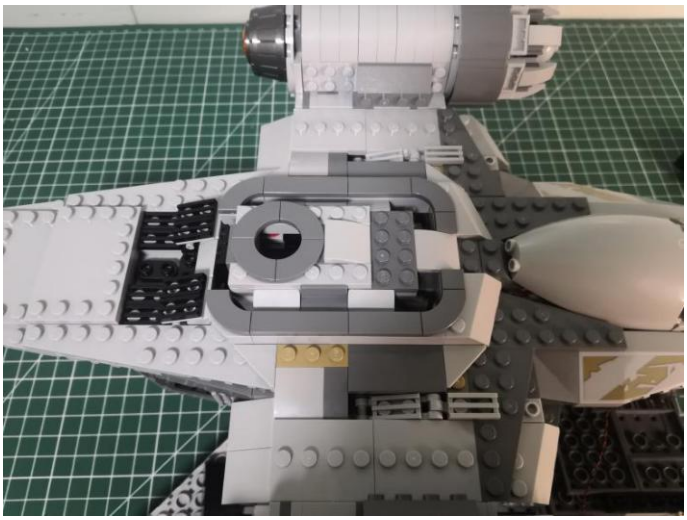

41.With lighting part facing out, secure the light to the following place.



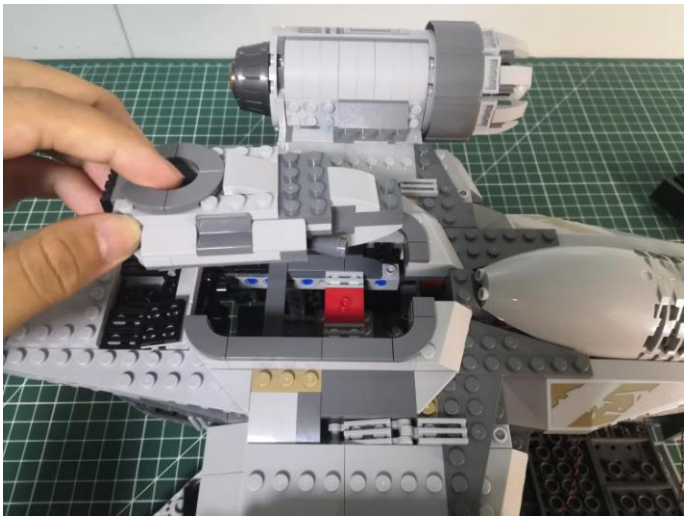
42.Reconnect the following piece.

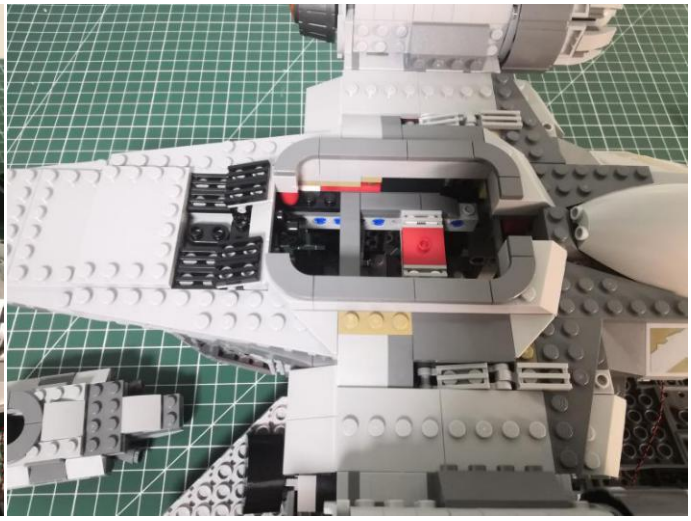



43.Turn to the center of the roof.

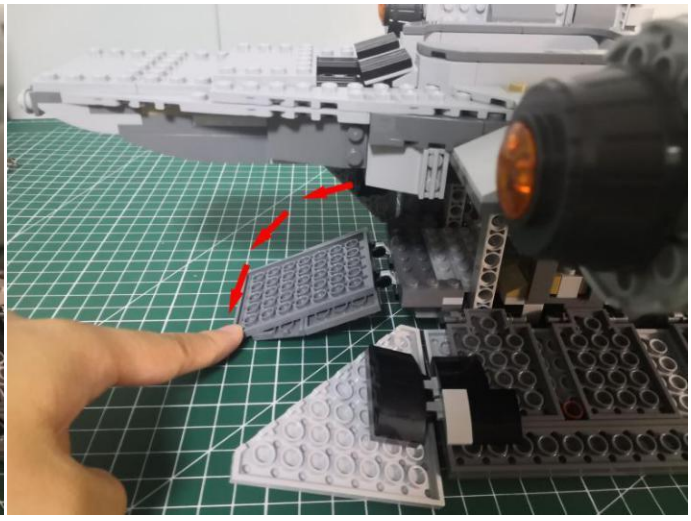


44.Remove the piece as per below.

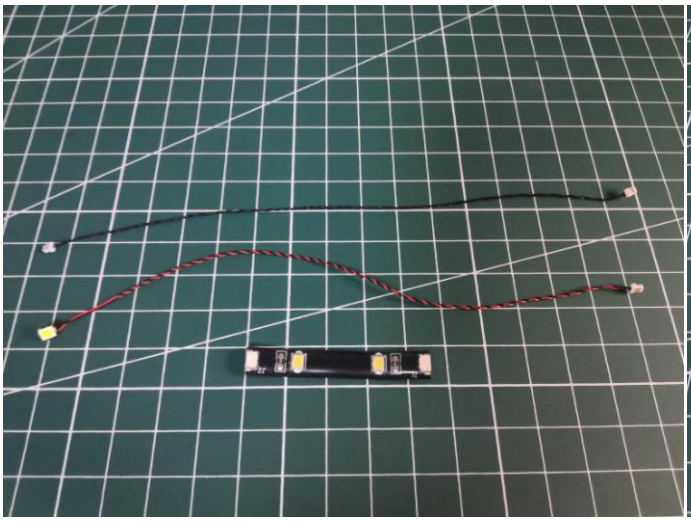
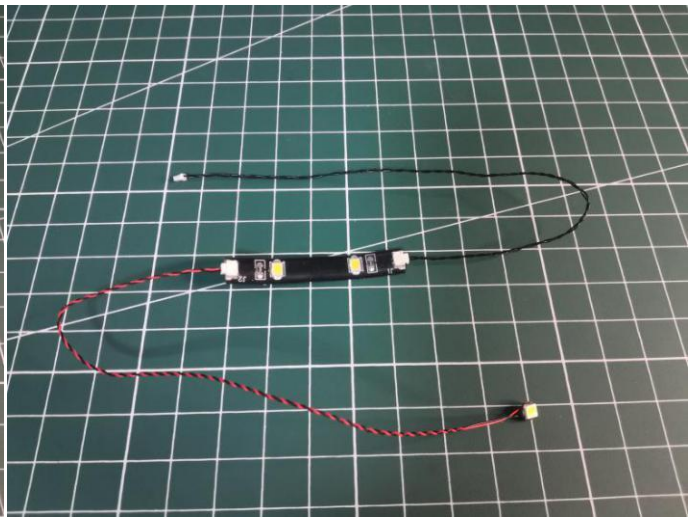




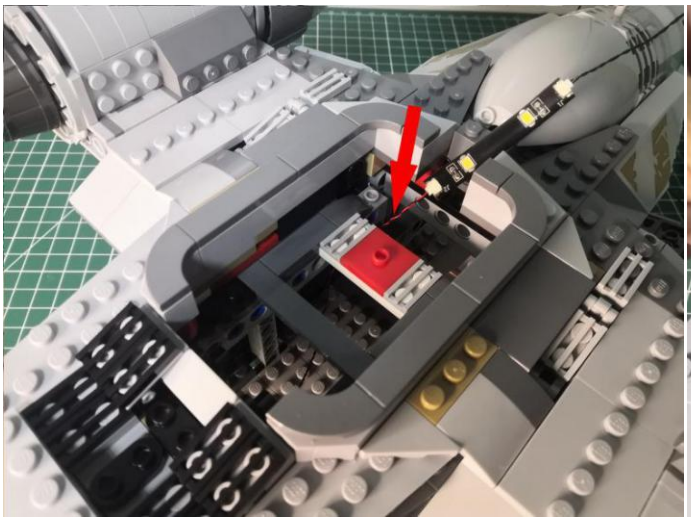
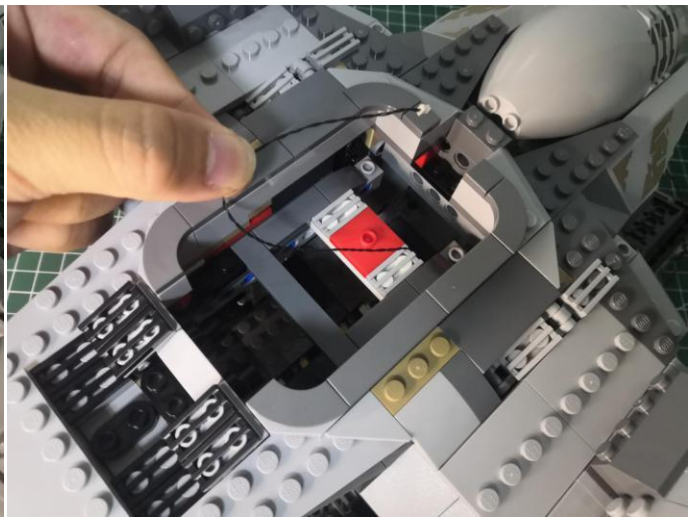
45.Turn to the tail, and open the following piece.



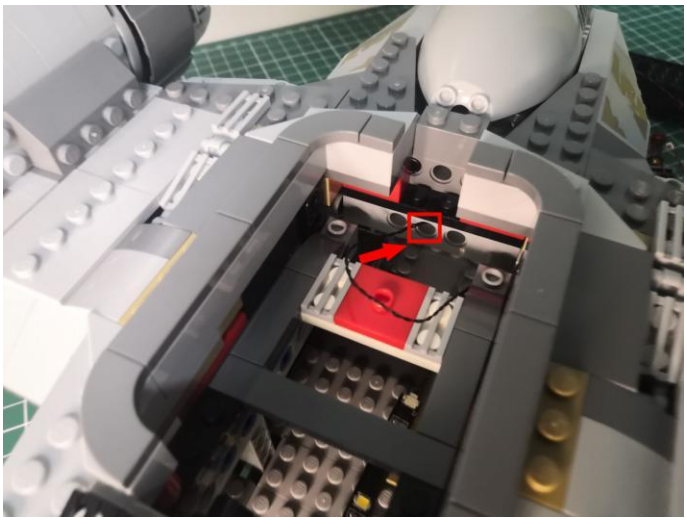
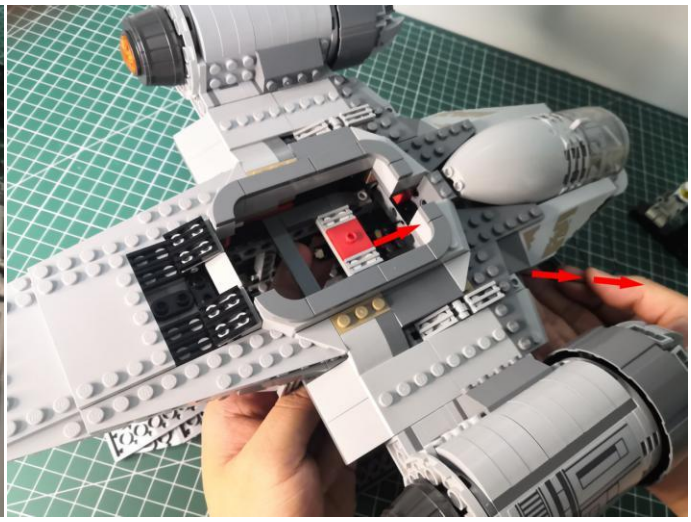
46.Take a warm white strip light, 15cm head light, a 15cm connecting cable, assemble them as per below.

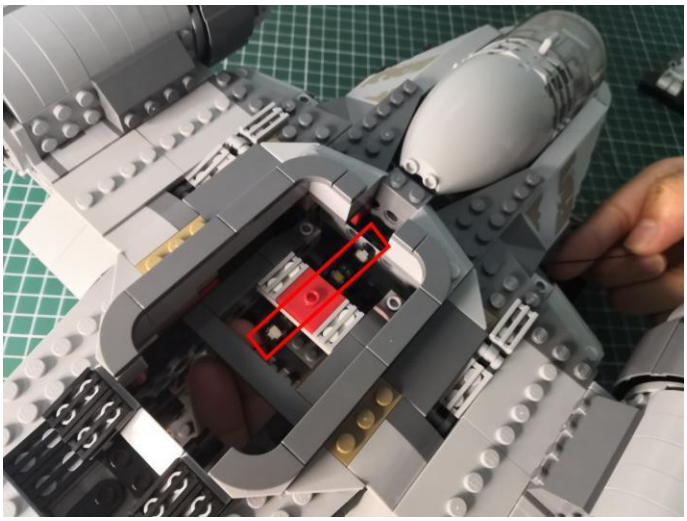
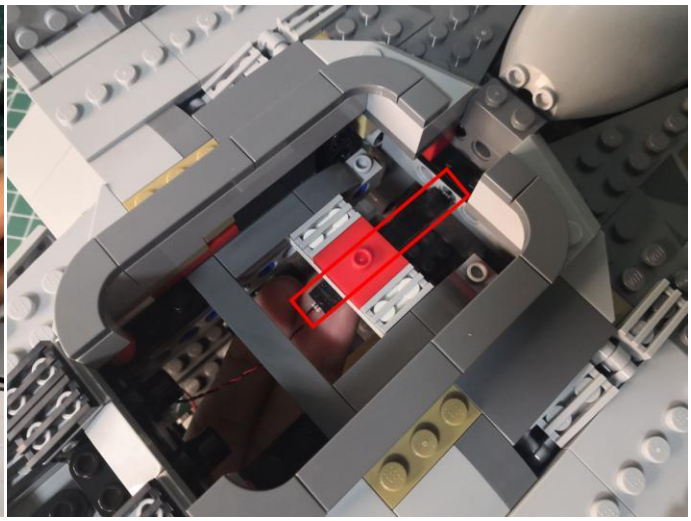
47.Place the head light and the strip light inside the cabin, leave part of the cable outside.

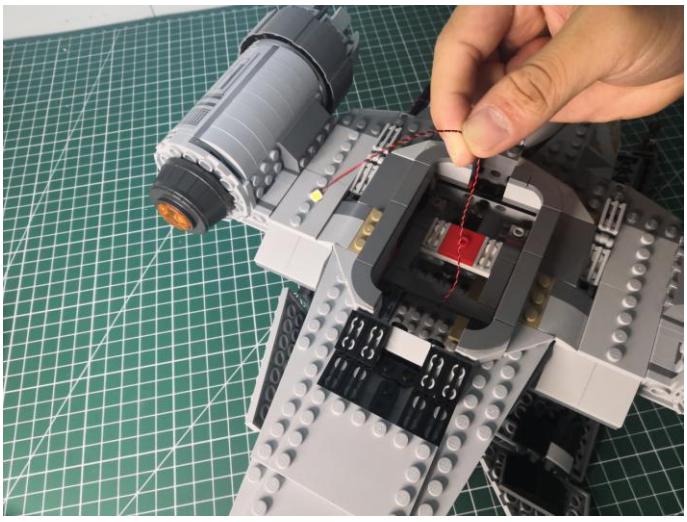
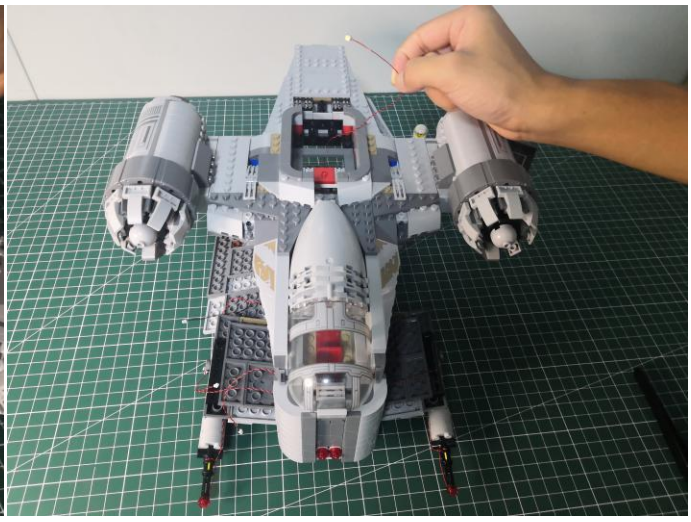
48.Thread the cable through the following space, pull the cable out from the right side of the head.

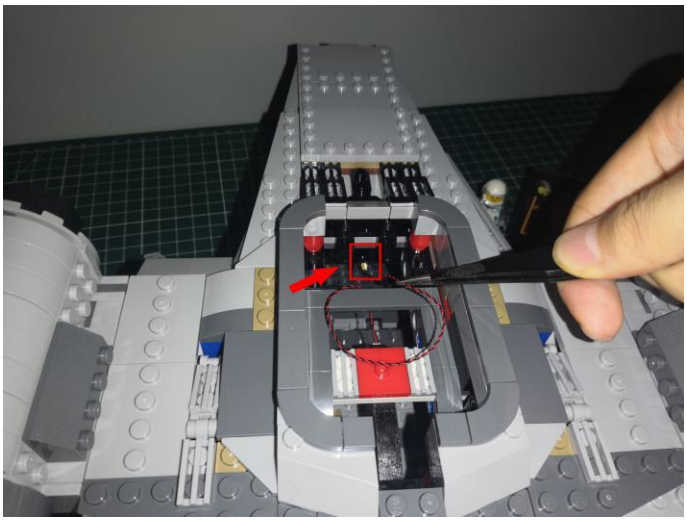
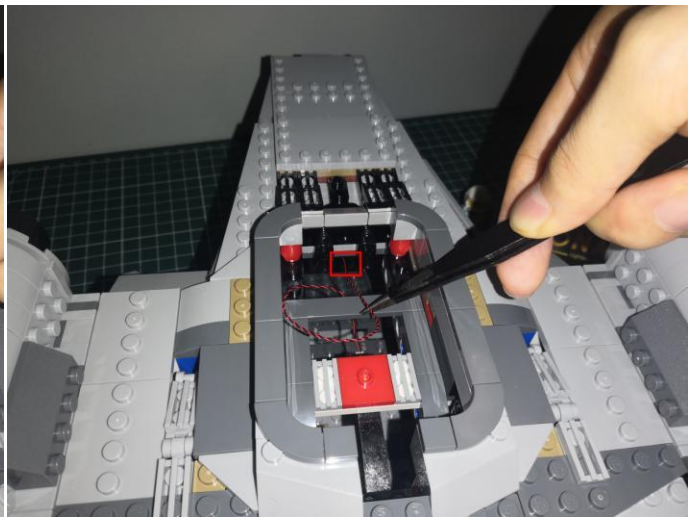
49.With lighting part facing down, stick the warm white strip light to the following place.

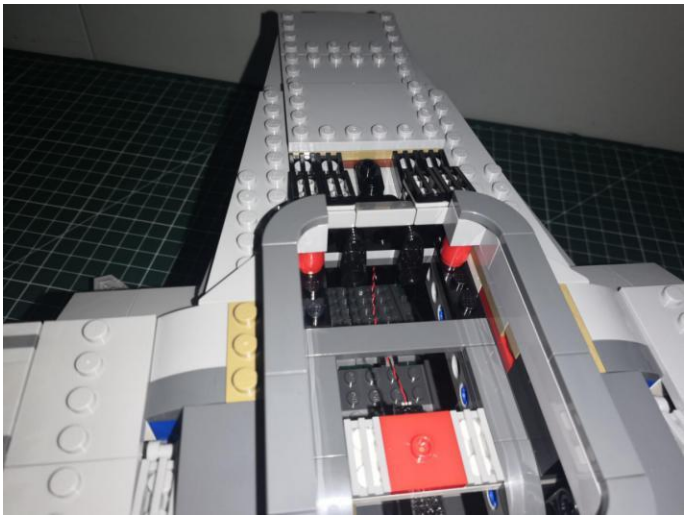
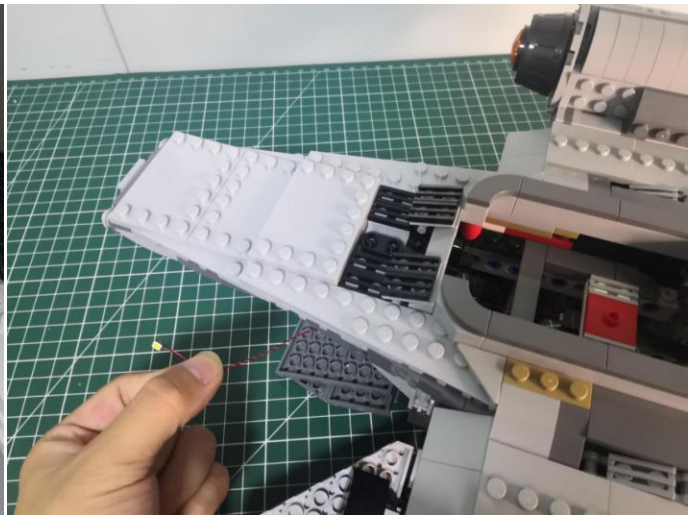
50.Take the head light out from the following place, turn to the front.

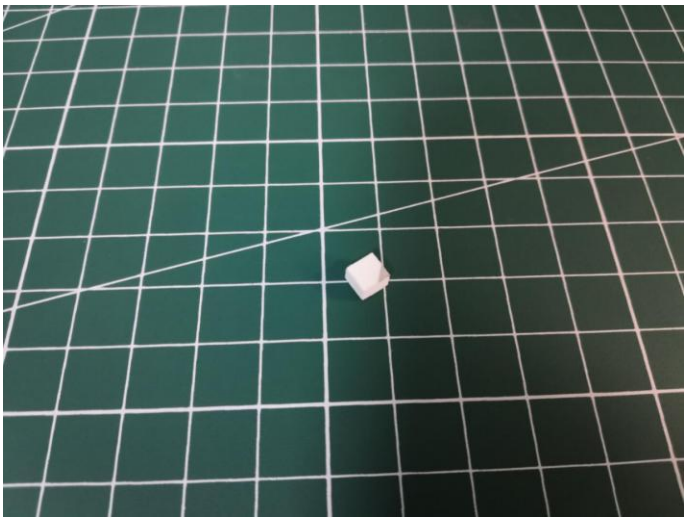
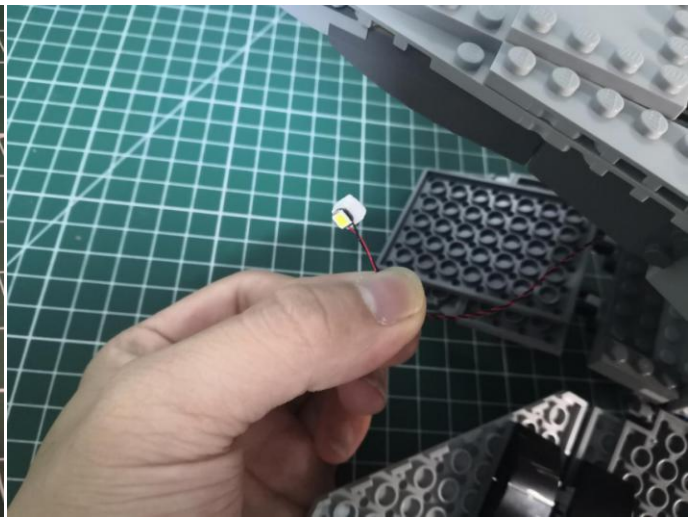
51.Thread the head light through the following hole, pull it out from the back with the tweezer.

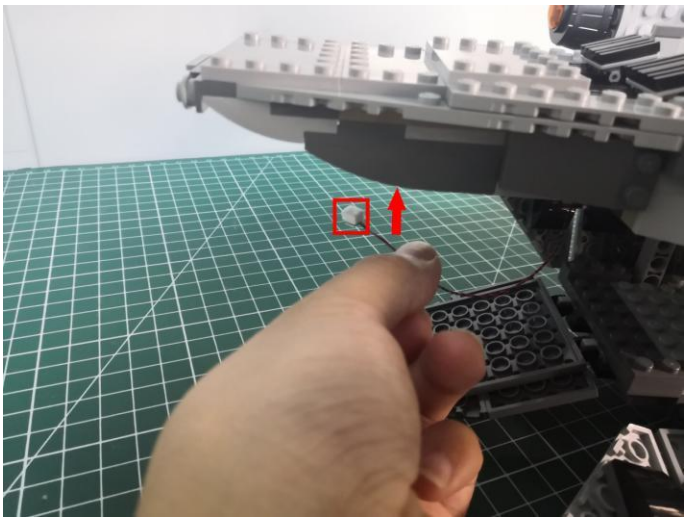
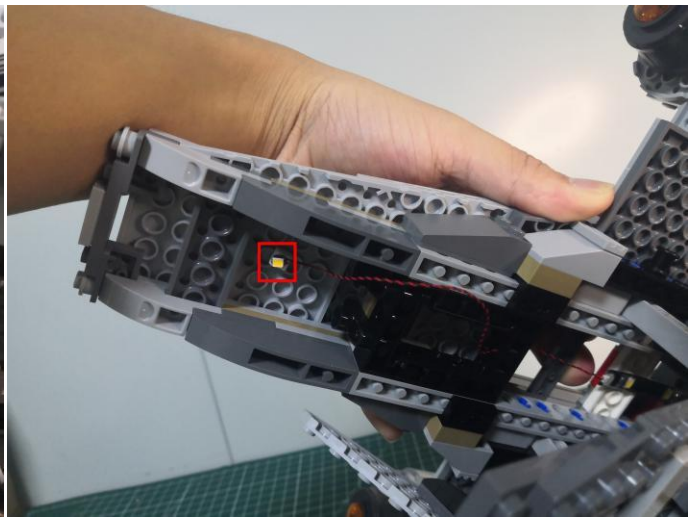
52

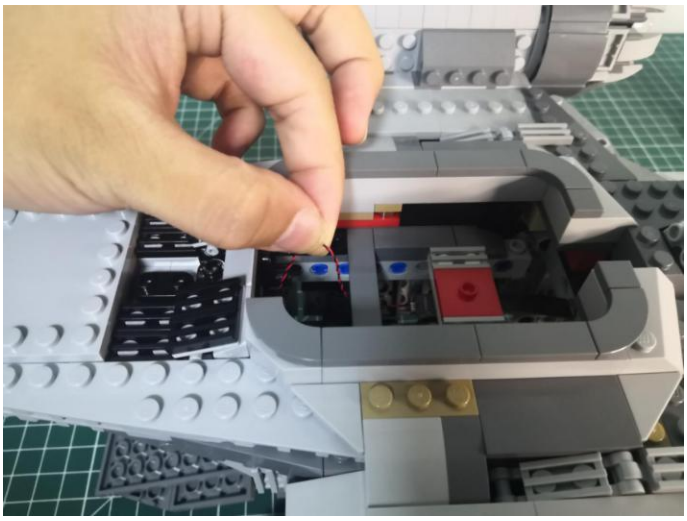
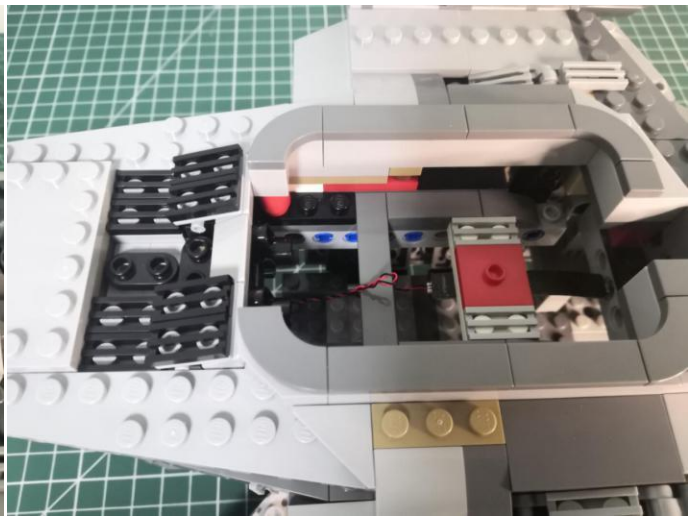
53.Take an adhesive square, and stick it to the back of the head light.

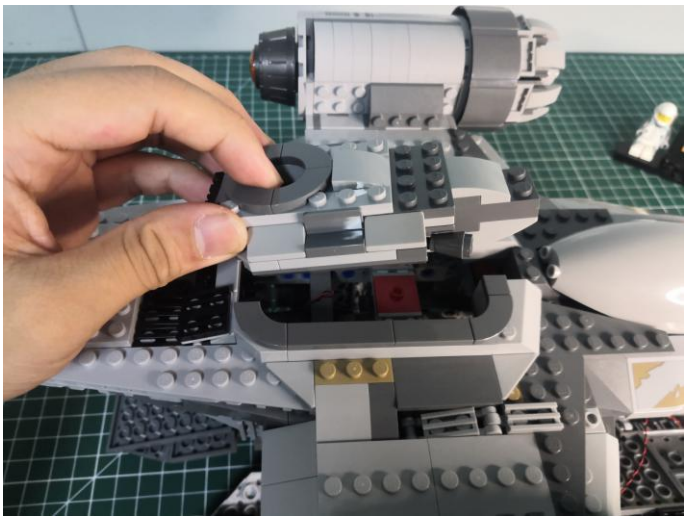
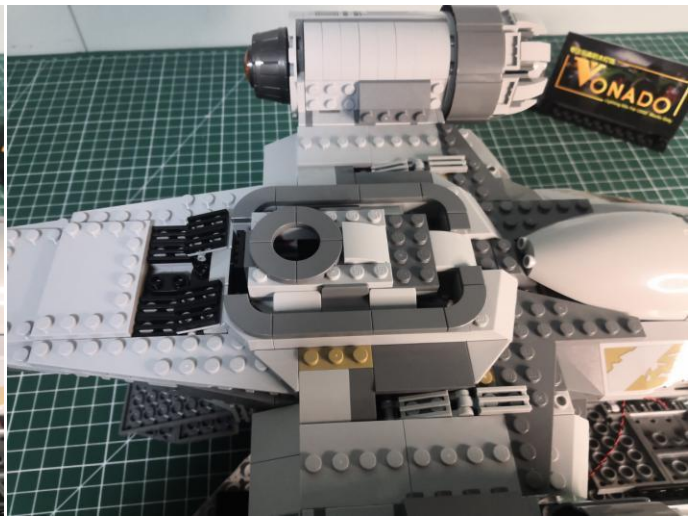
54.Stick the head light to the ceiling of the tail part as per below.

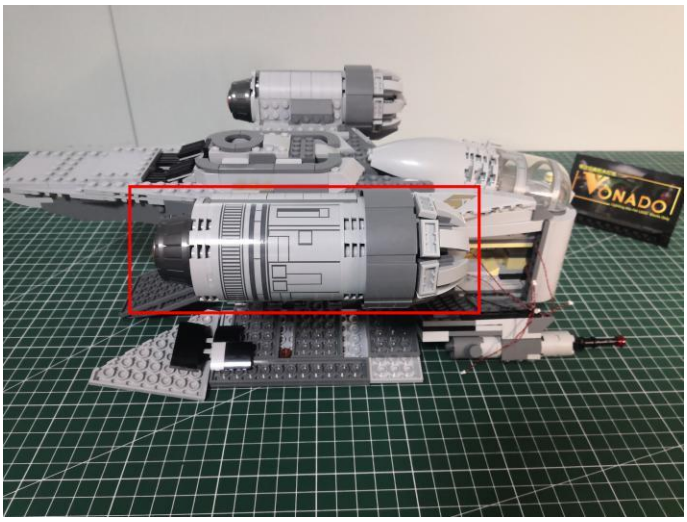
55.Turn to the center at the roof, tuck excess cables of the head light as per below.

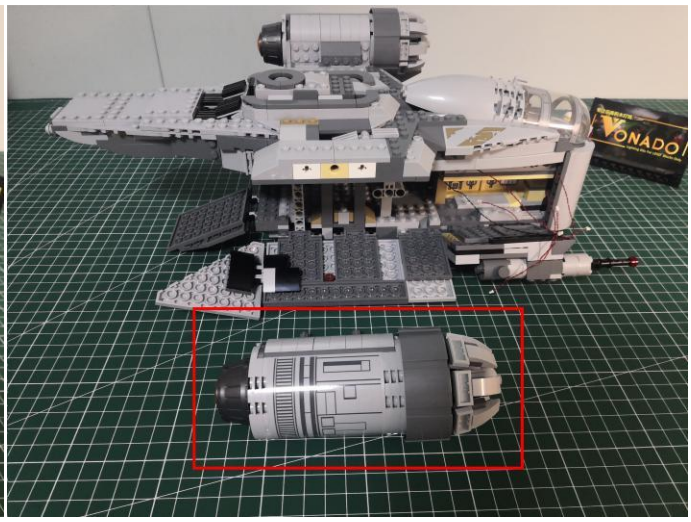



56.Reconnect the following piece.

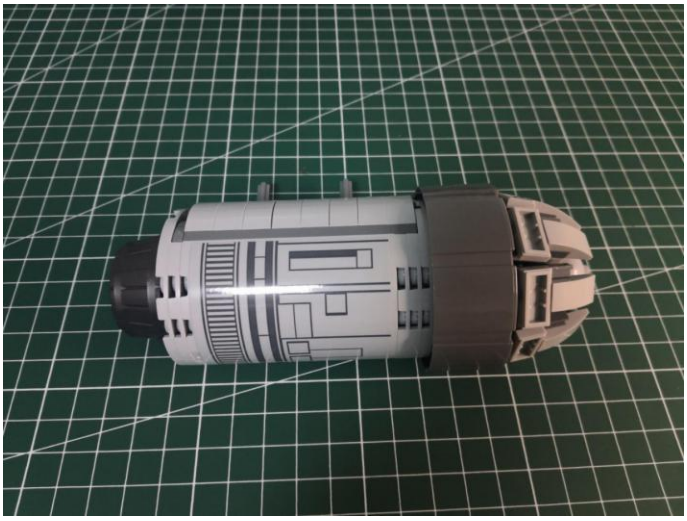



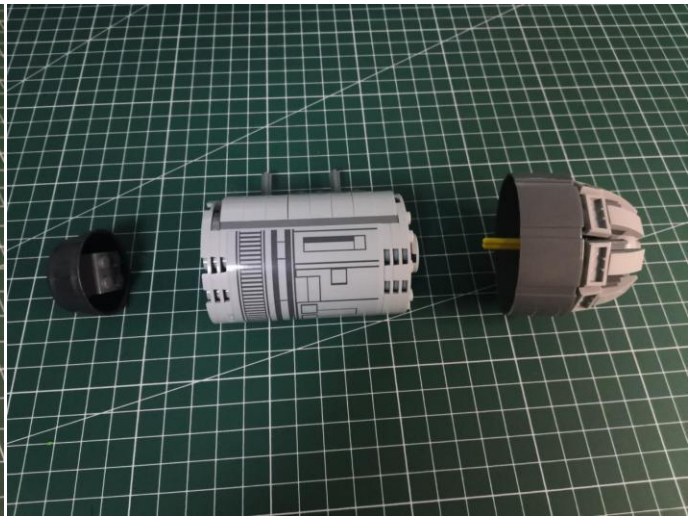
57.Remove the engine piece.



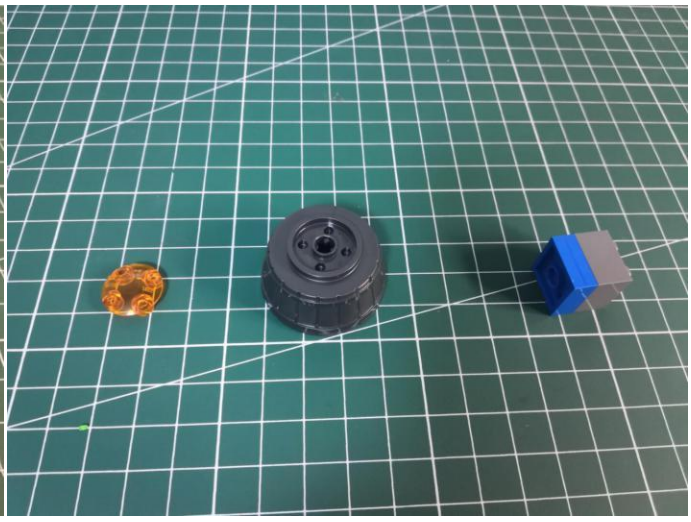


58.Disassemble it as per below.

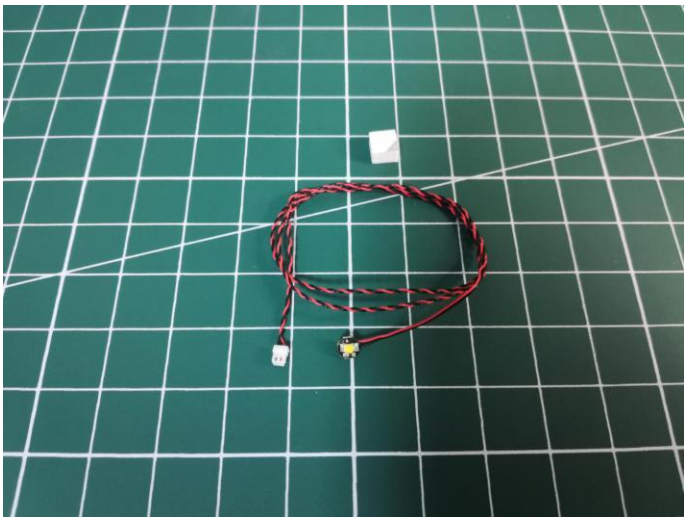




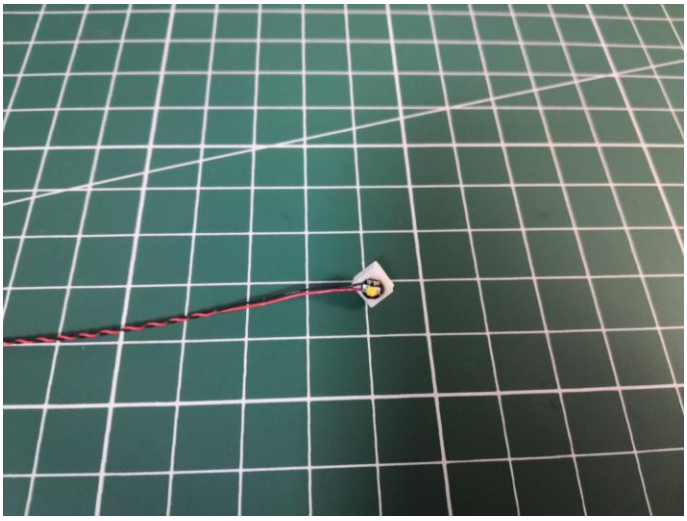
59.Take the following piece and disassemble it.



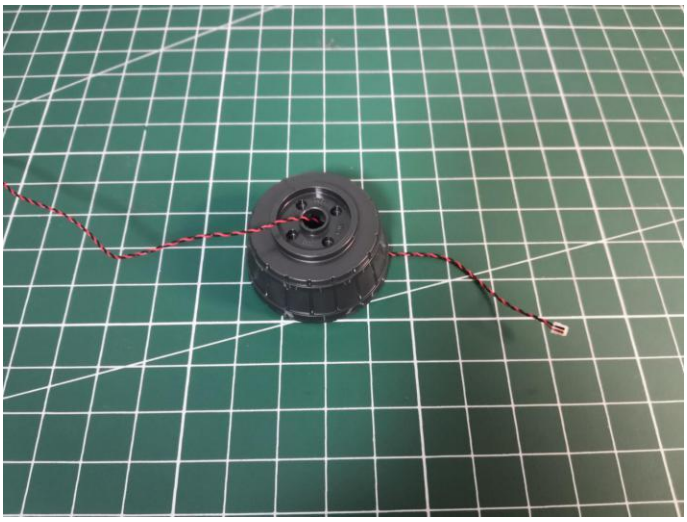
60.Take a 30cm warm white dot light, an adhesive square.



61.Stick the adhesive square to the back of the light.

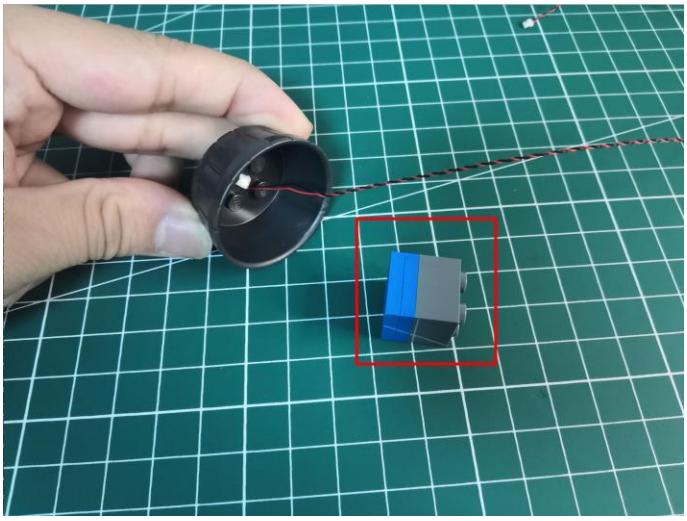


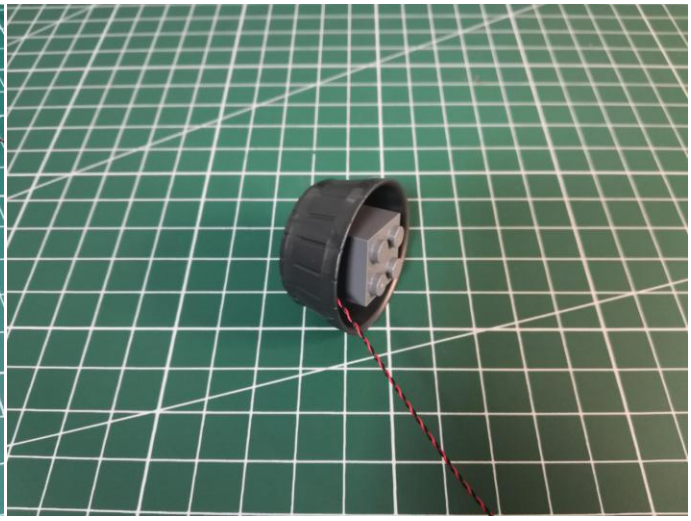
62.With lighting part facing up, thread the cable through the following piece, tighten the cable up.



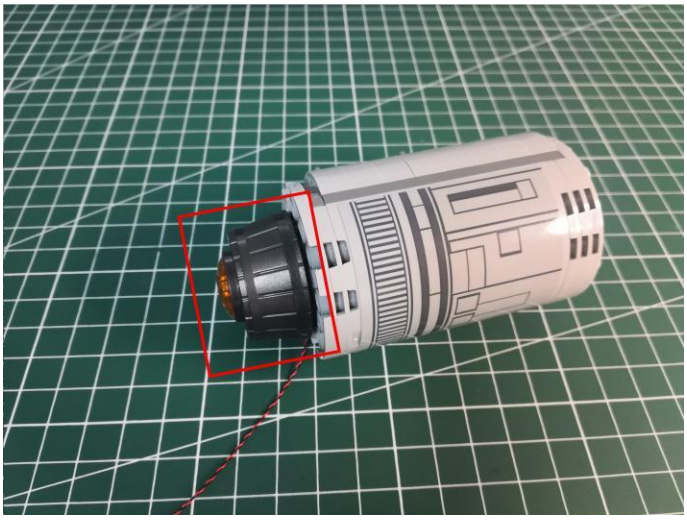
63.Reconnect the orange round plate.

64.Reconnect the following piece.

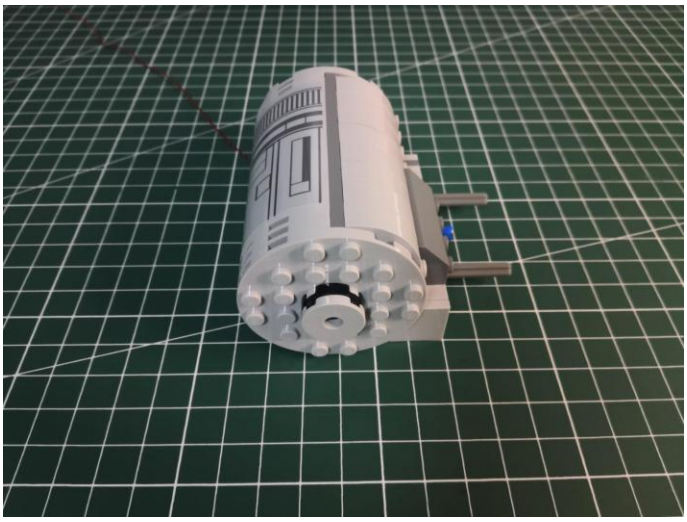




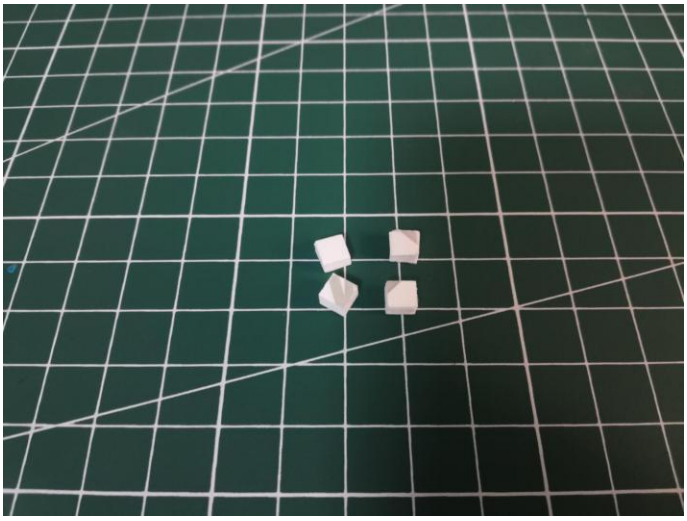
65.Reconnect this piece back to the engine.



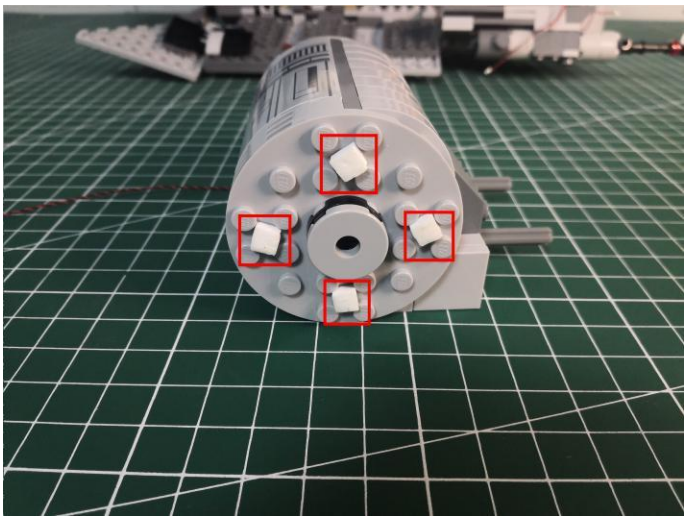
66.Turn the engine to the following direction.



67.Take 4 adhesive squares.

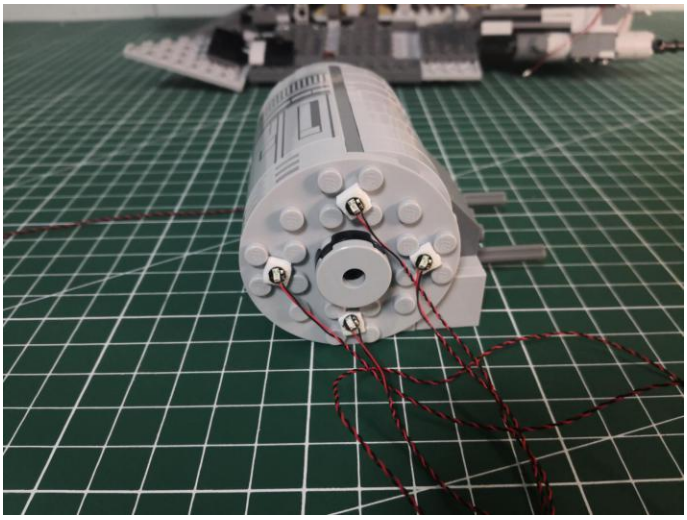


68.Stick them to the engine as per below.

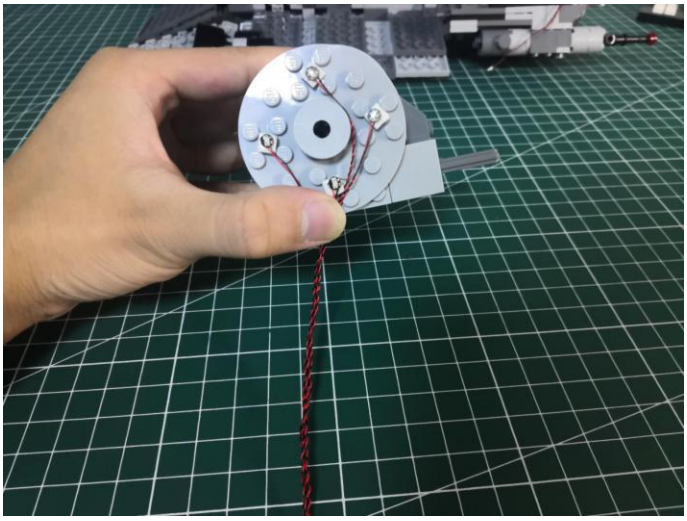


69.Take 4 blue 30cm dot lights.

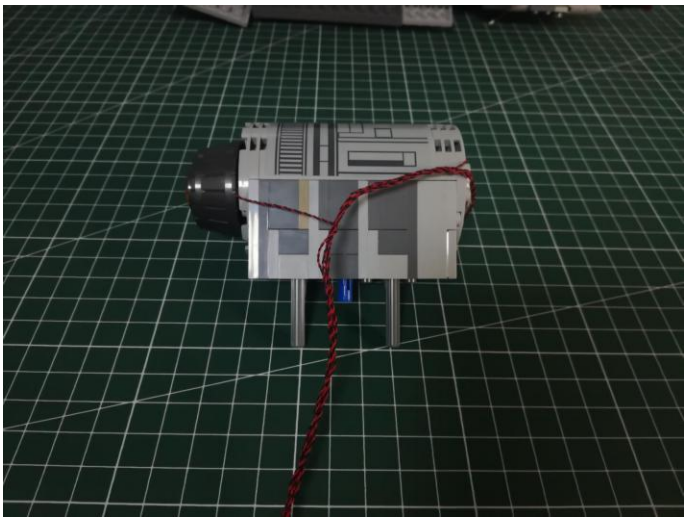
70.With lighting part facing up, stick the lights to the adhesive squares as per below.



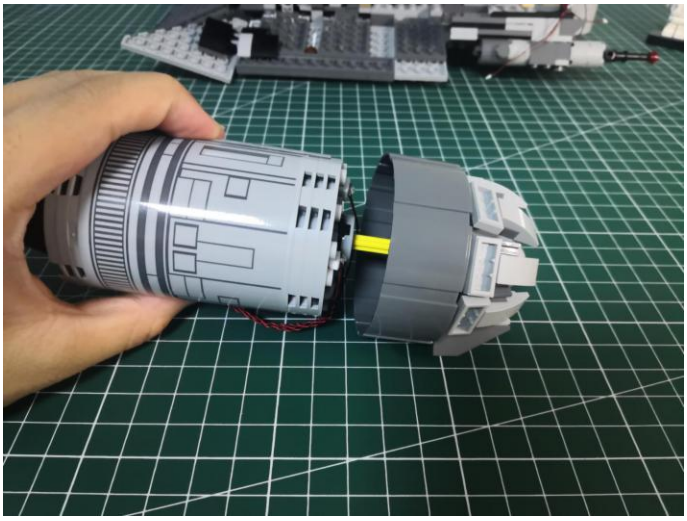
71.Press the cables, and group the cables together.

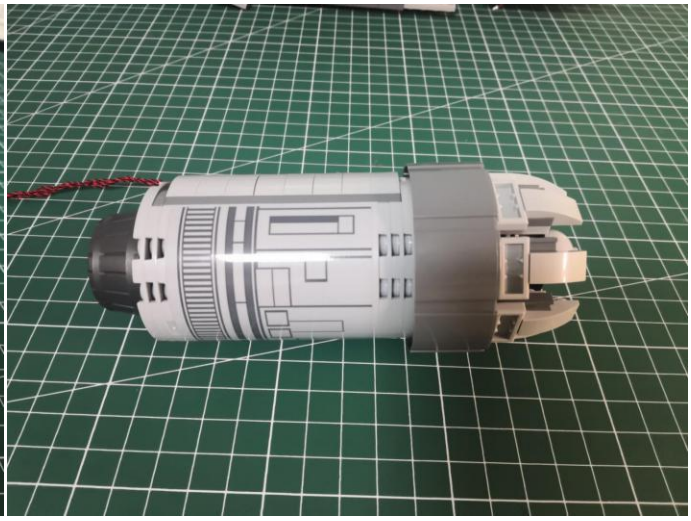


72.Group the cables from both sides of the engine together.

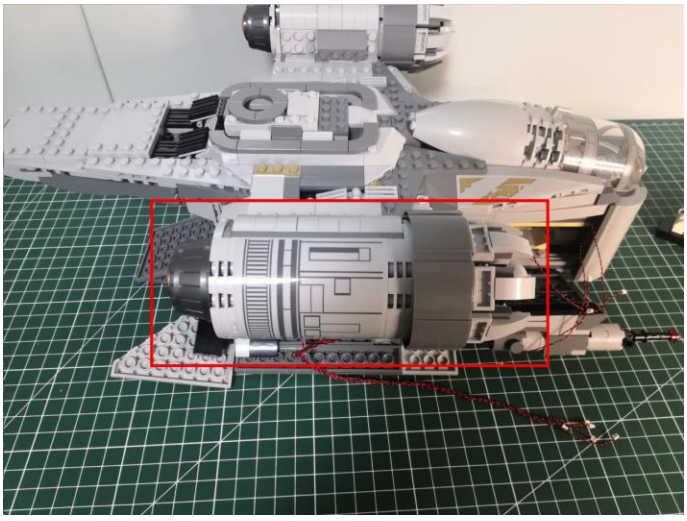


73.Reconnect the front piece to the engine.

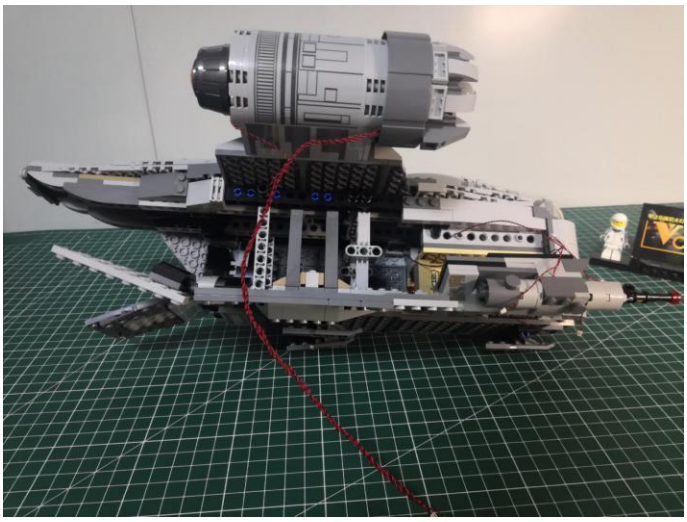




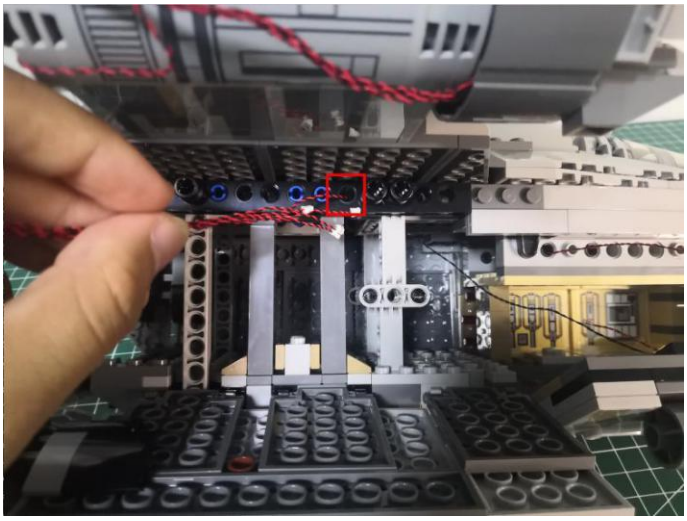
74.Reconnect the engine.

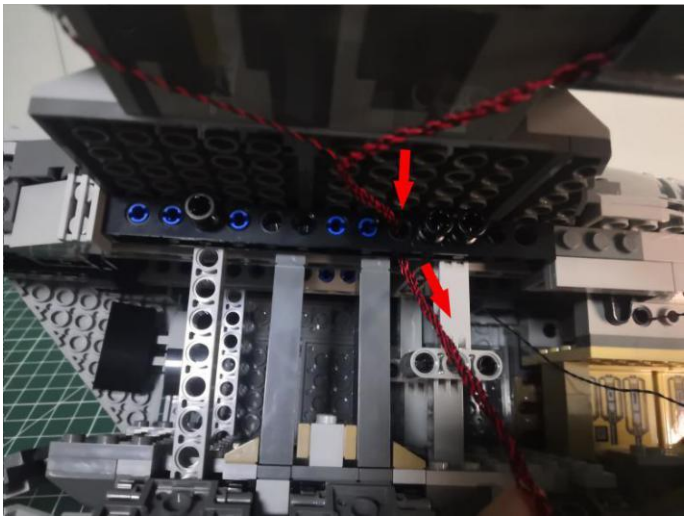


75.Turn the spaceship over.

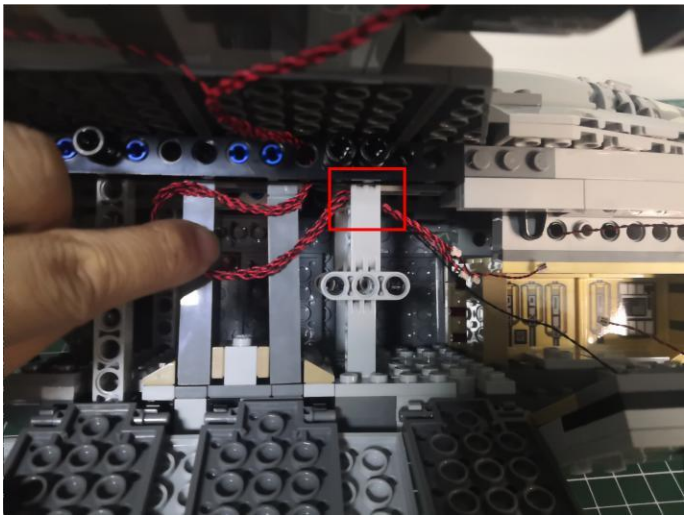


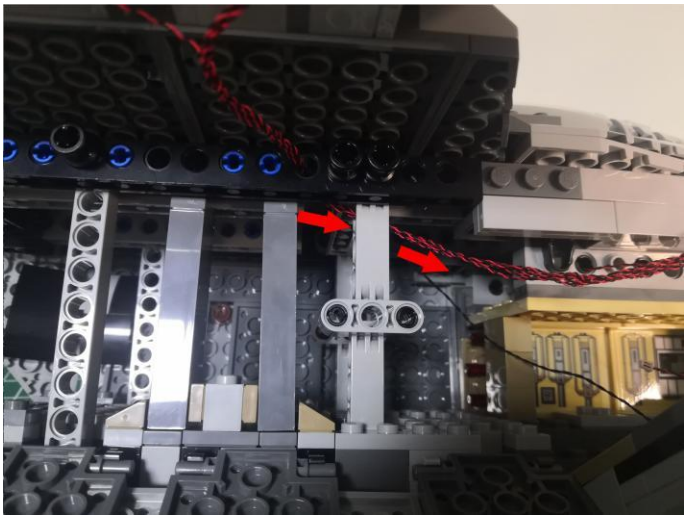
76.Thread the cables through the following hole, tighten the cables up.





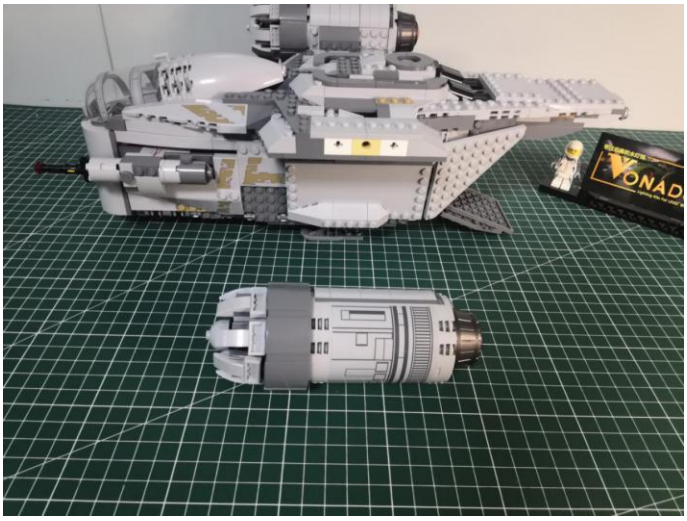
77.Thread the through the following space and tighten them up.





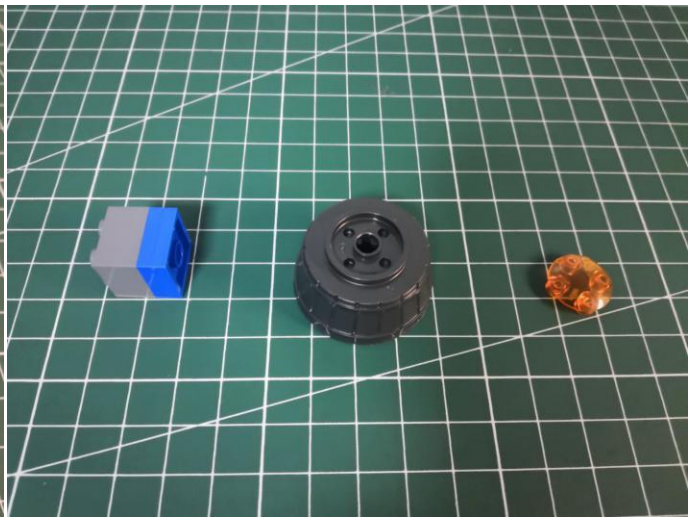
78.Turn to the other side.

79.Remove the engine.

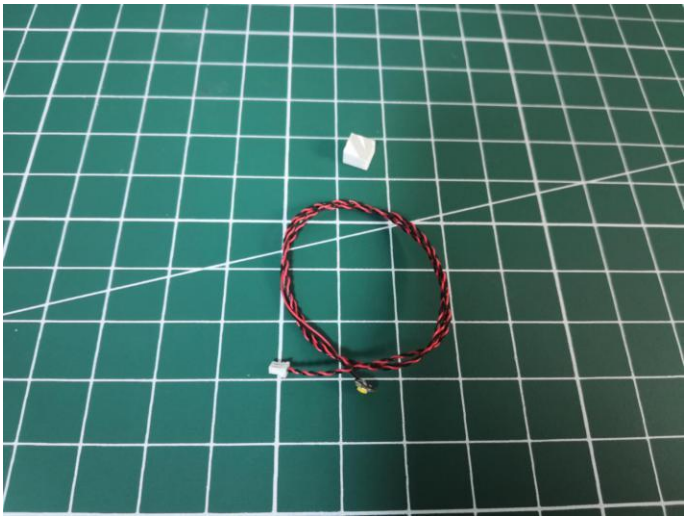


80.Disassemble it.

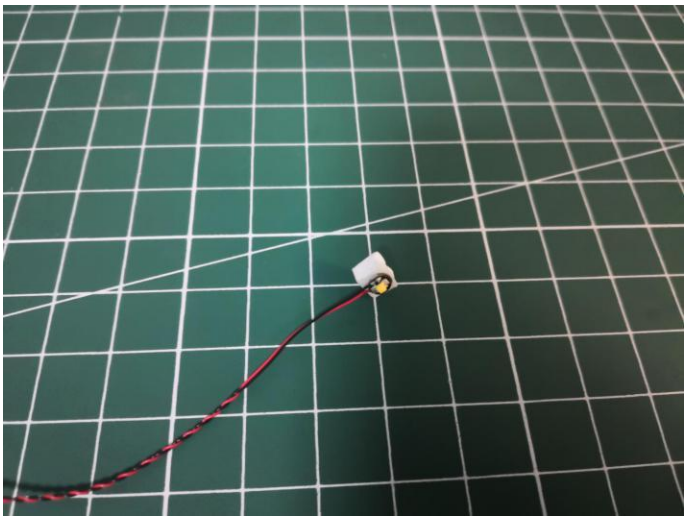
81.Take the following piece and disassemble it.



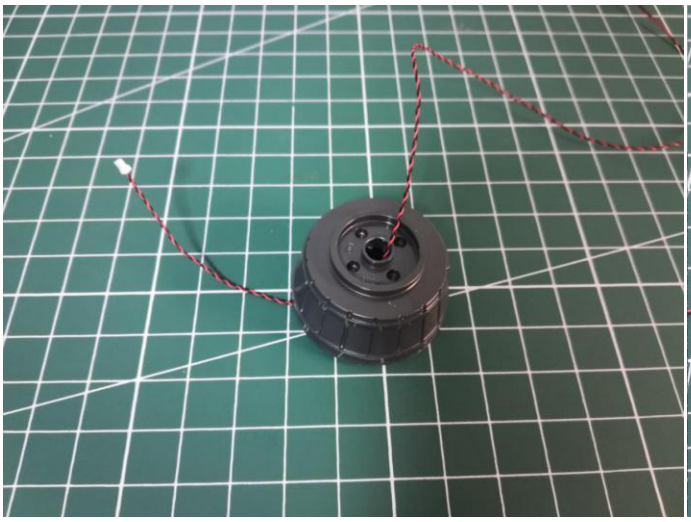
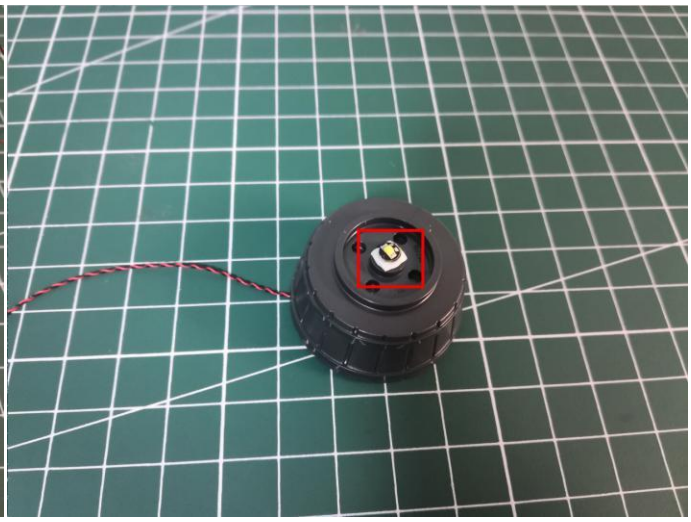
82.Take a 30cm warm white dot light, an adhesive square.



83.Stick the adhesive square to the back of the light.

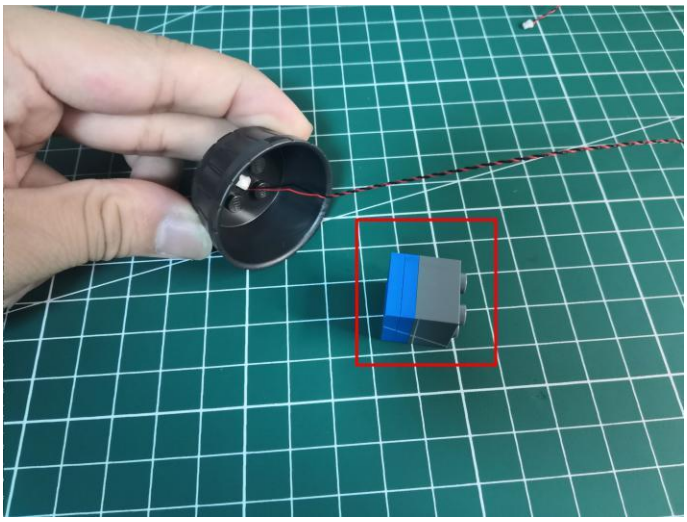
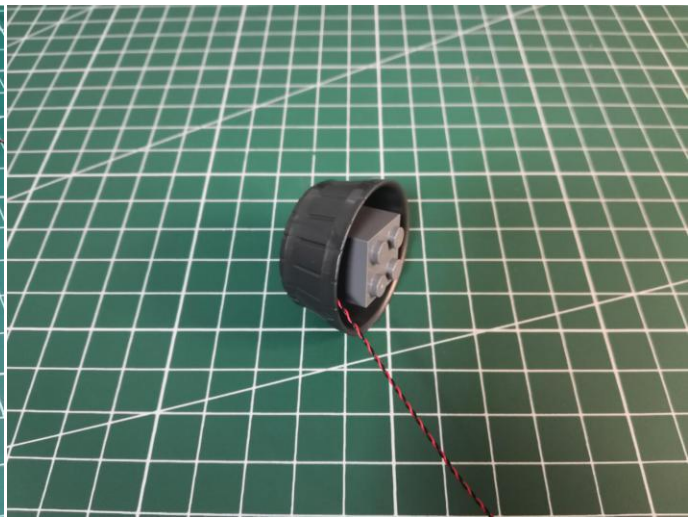


84.With lighting part facing up, thread the cable through the following piece, tighten the cable up.

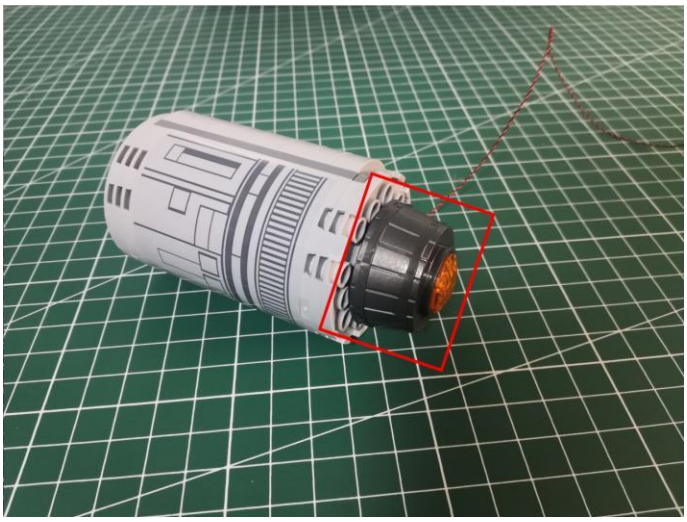



85.Reconnect the orange round plate.

86.Reconnect the following piece.

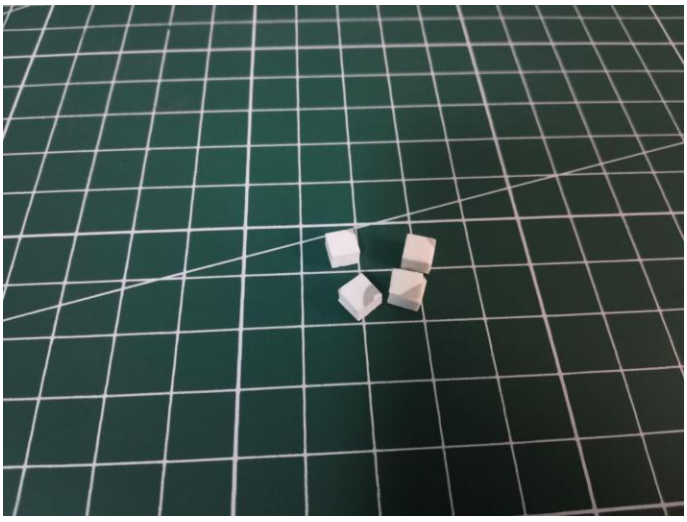



87.Reconnect it to the engine.

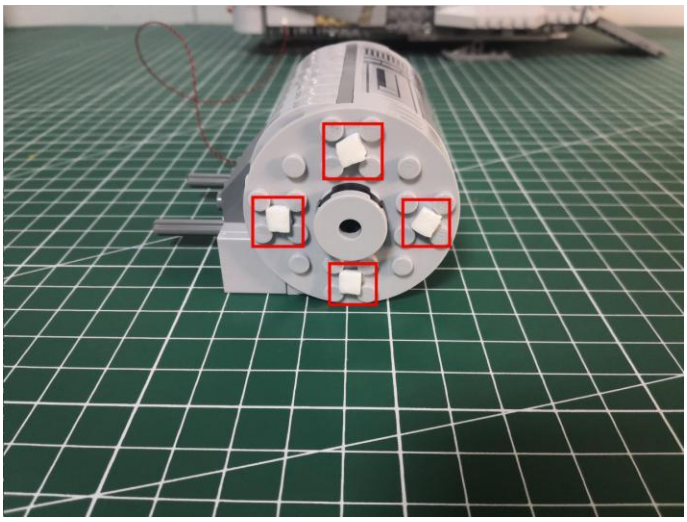


88.Turn the engine to the following direction.

89.Take 4 adhesive squares.

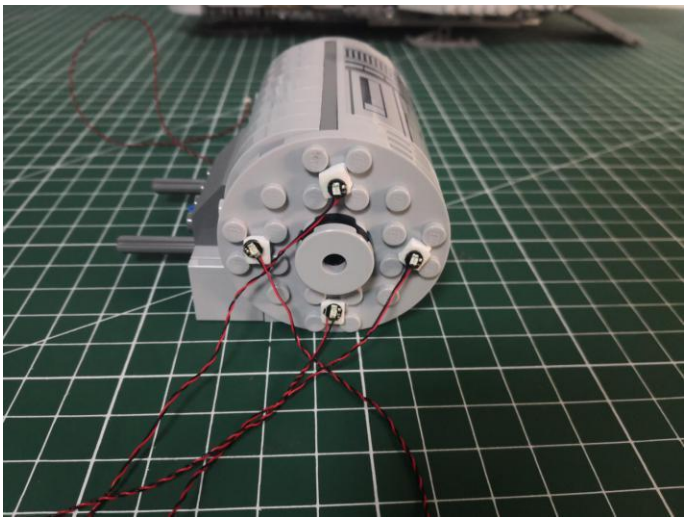


90.Stick them to the engine as per below.

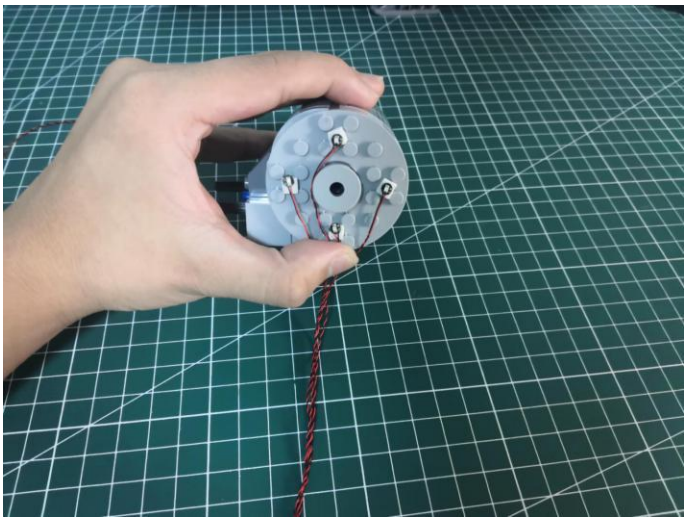


91.Take 4 blue 30cm dot lights.

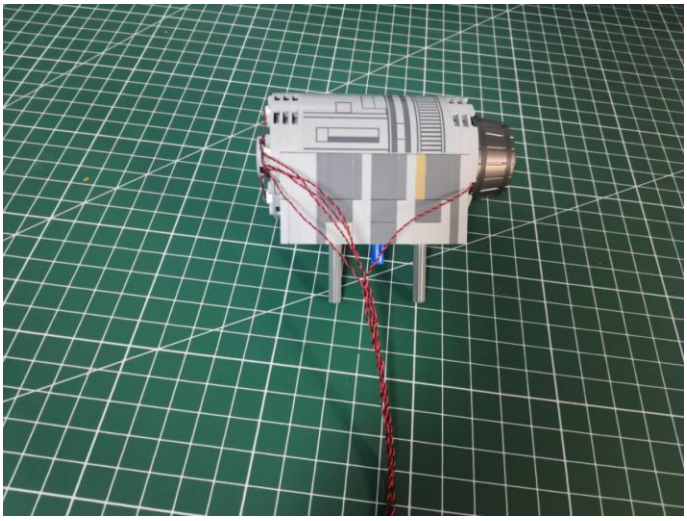
92.With lighting part facing up, stick the lights to the adhesive squares as per below.



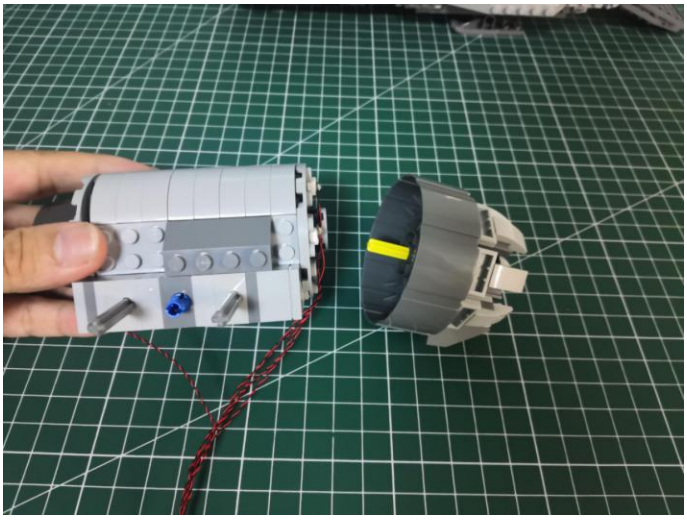
93.Press the cables, and group the cables together.

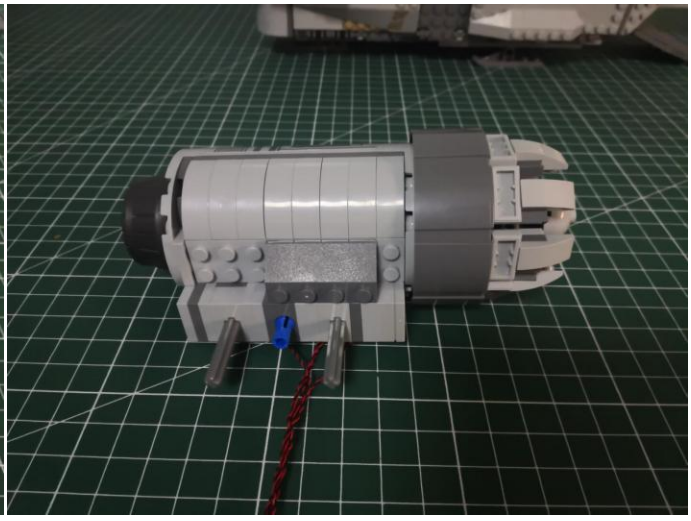


94.Group the cables from both sides of the engine together.

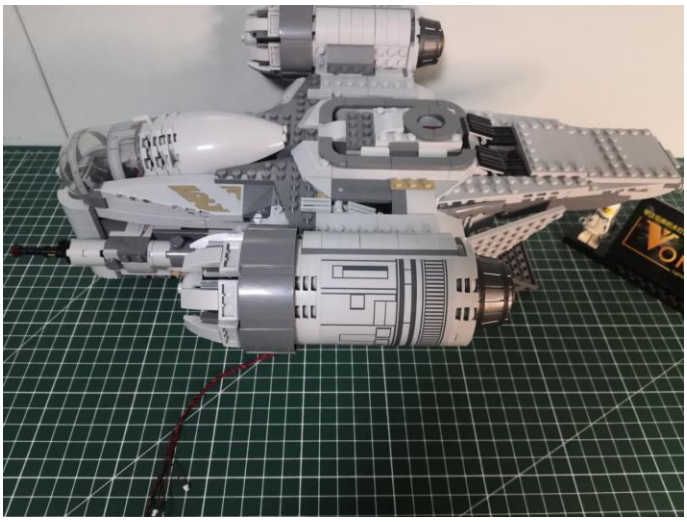


95.Reconnect the front piece to the engine.

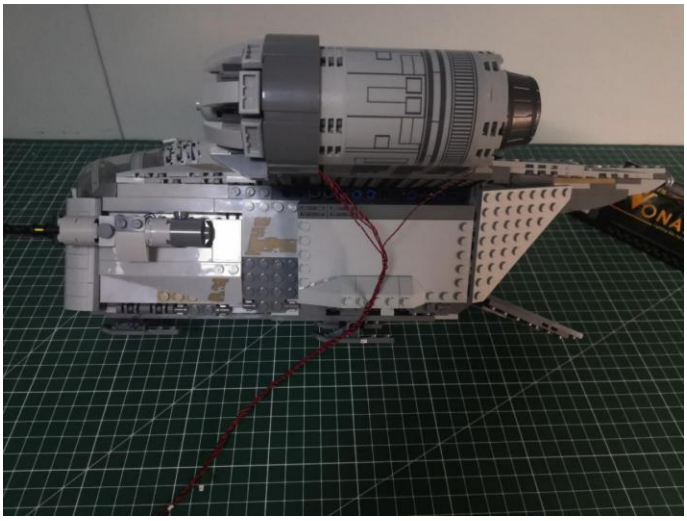


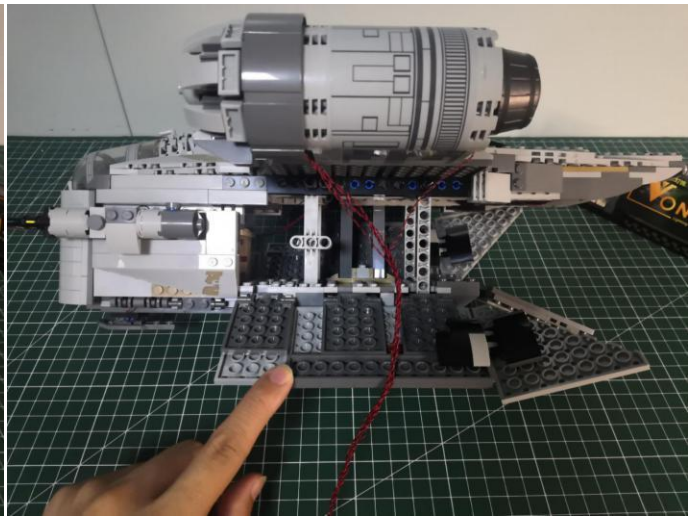


96.Reconnect the engine.

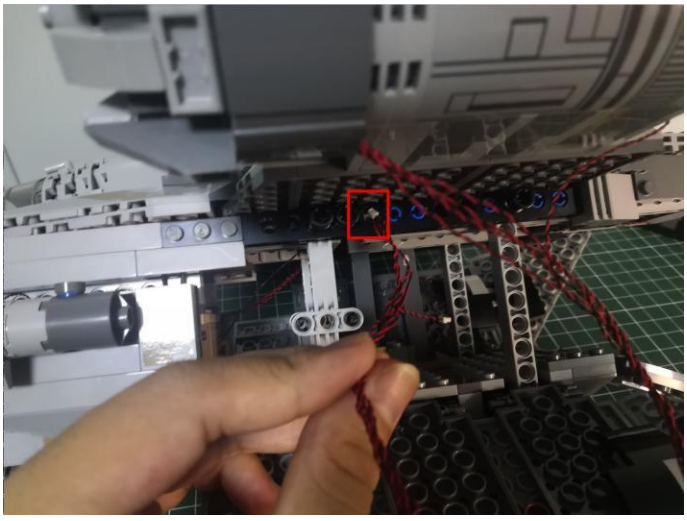


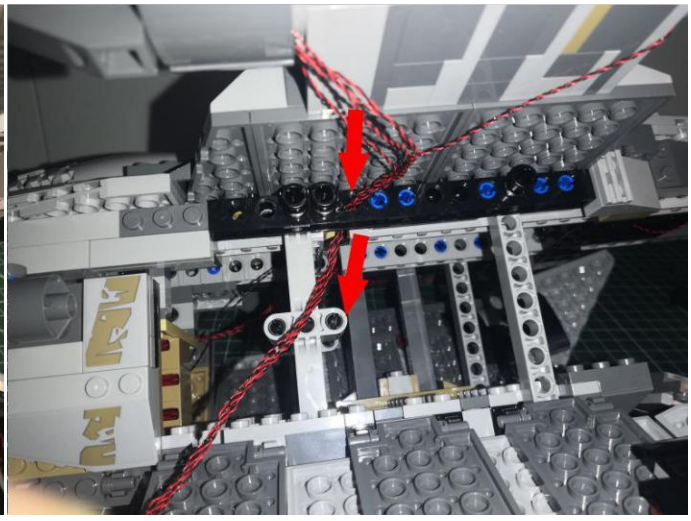
97.Turn the spaceship over, open the door.



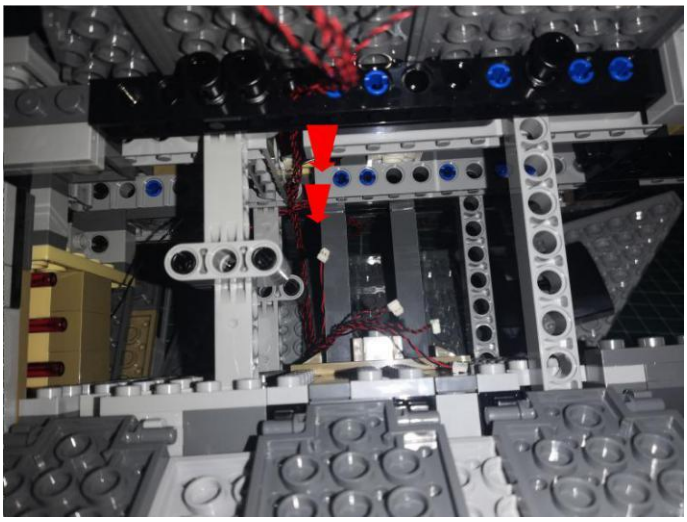


98.Thread the cables through the following hole.

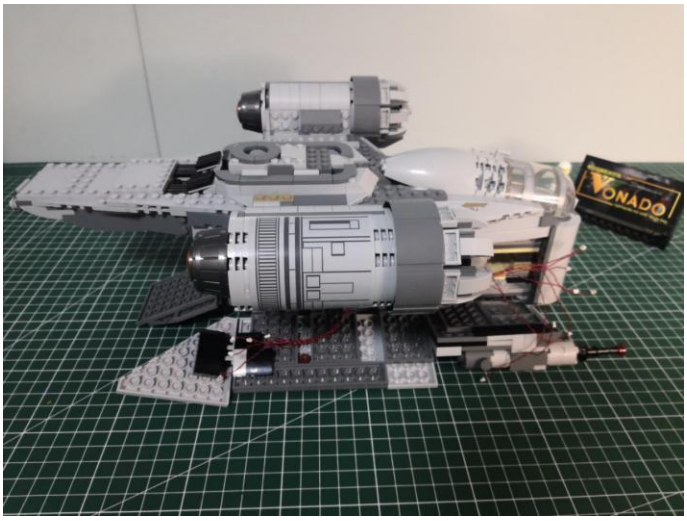


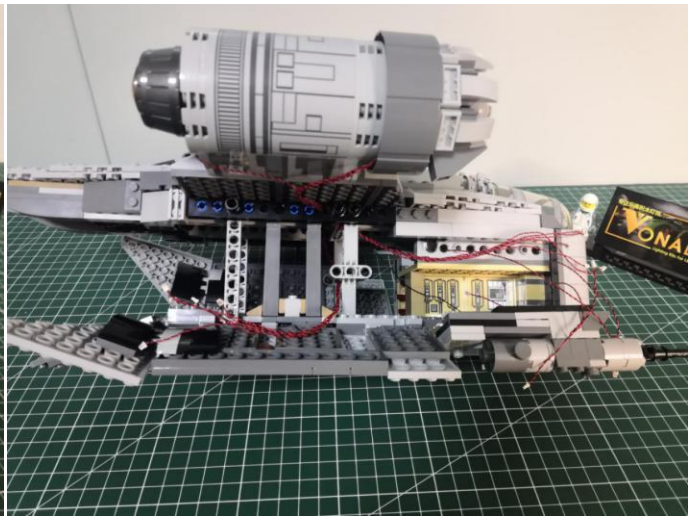


99.Thread the cables through to the other side.

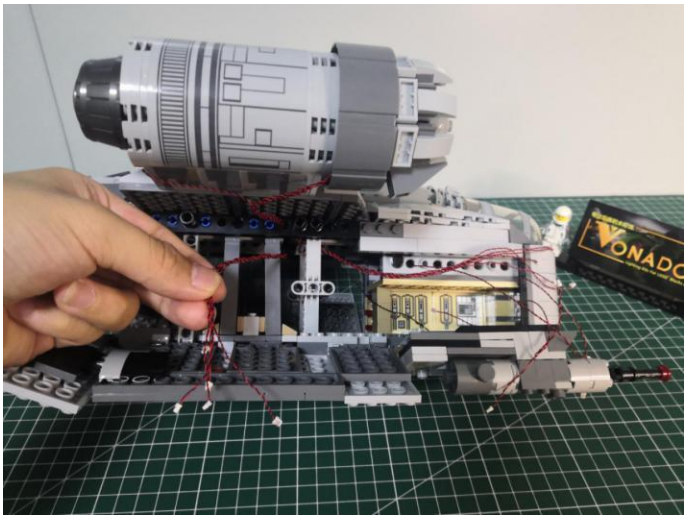


100.Turn to the other side, turn the spaceship over.

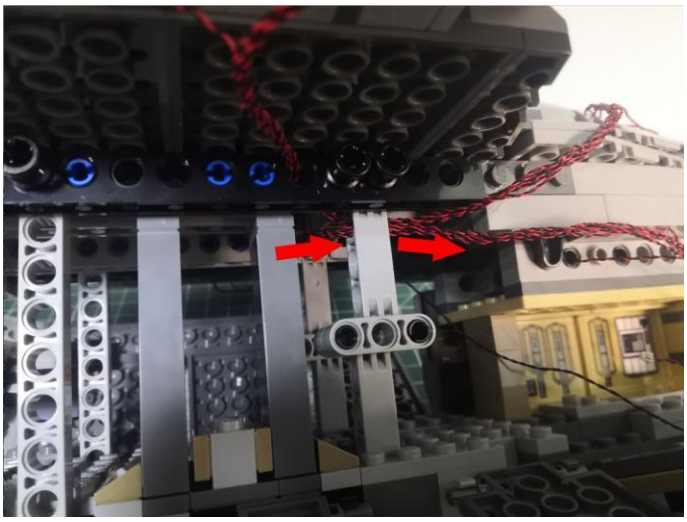




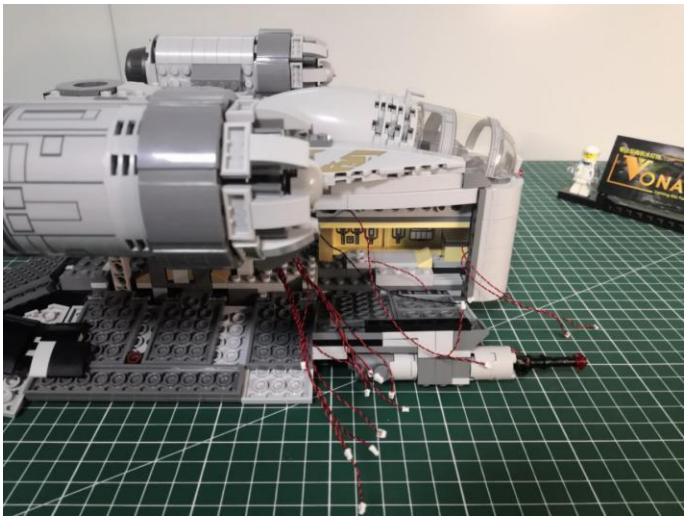
101.Pull the cables out.



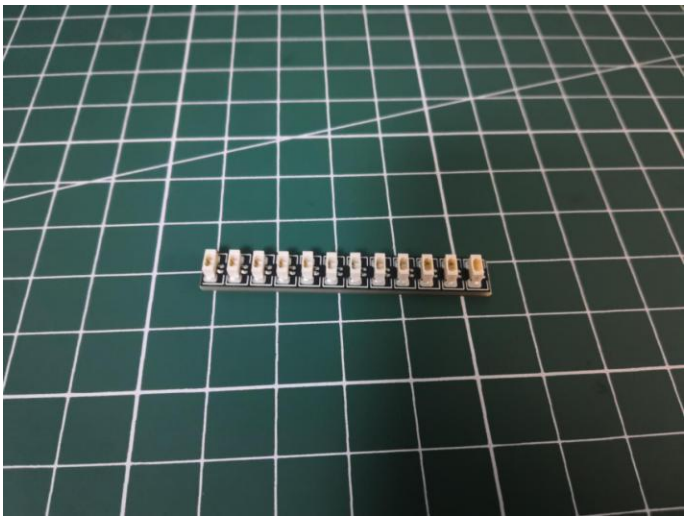
102.Thread the cables through the following space.



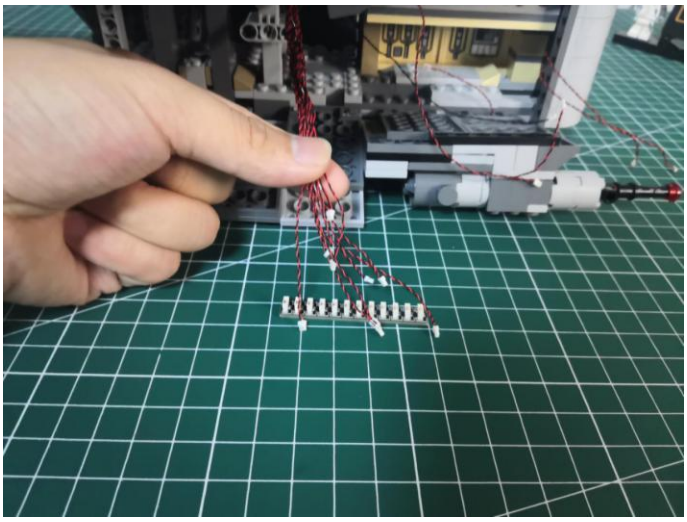
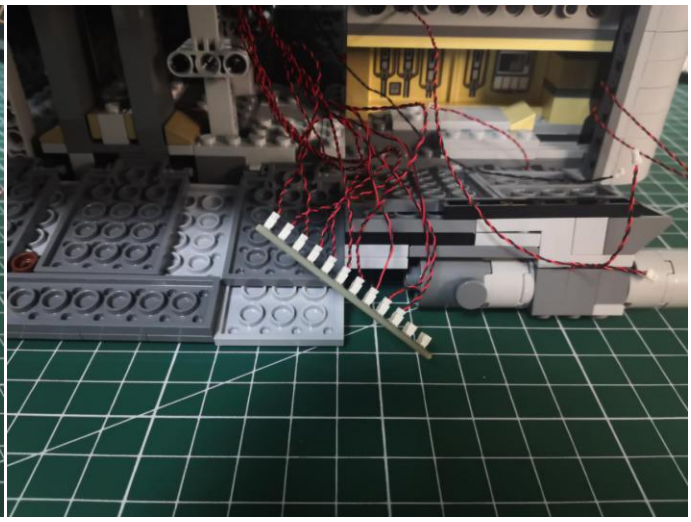
103.Turn the spaceship back.



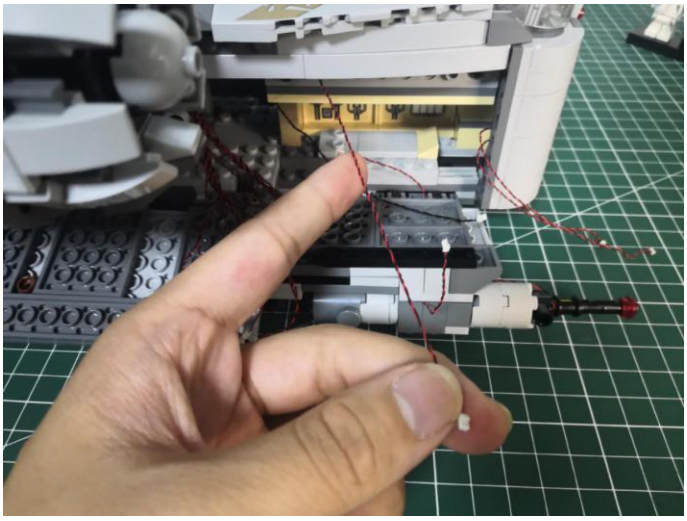
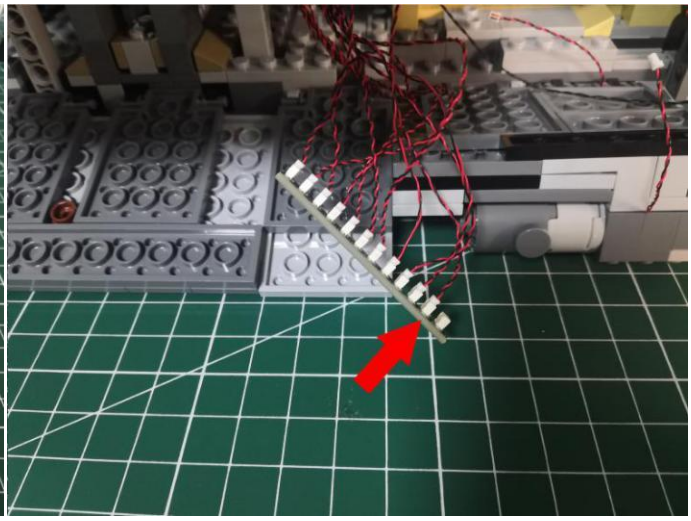
104.Take a 12-port Expansion Board.



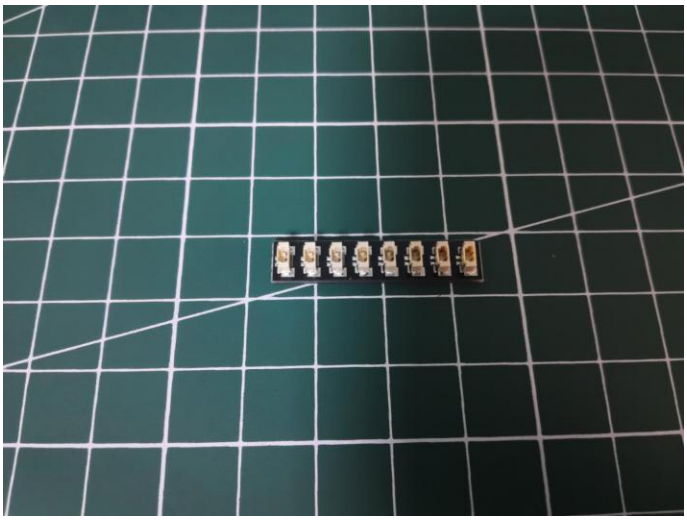
105.Connect the cables from the engine to it.

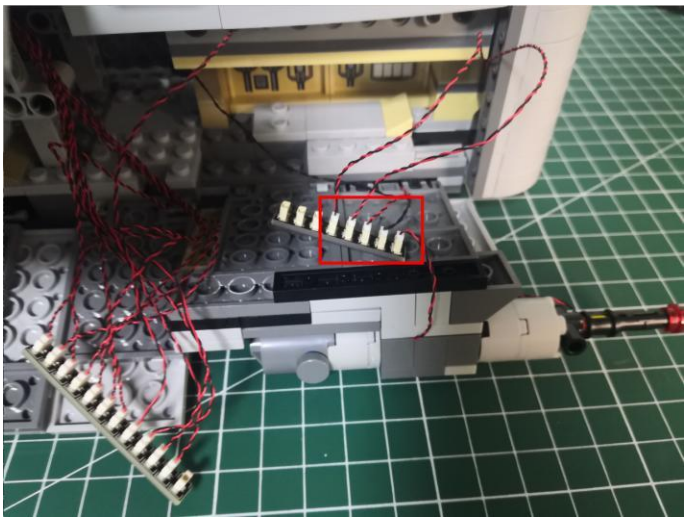
106.Connect the cable from the cockpit to it,

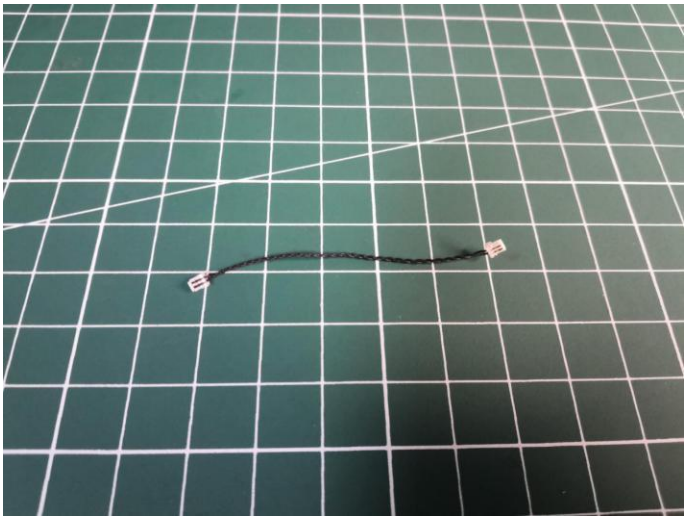
107.Take an 8-port Expansion Board.



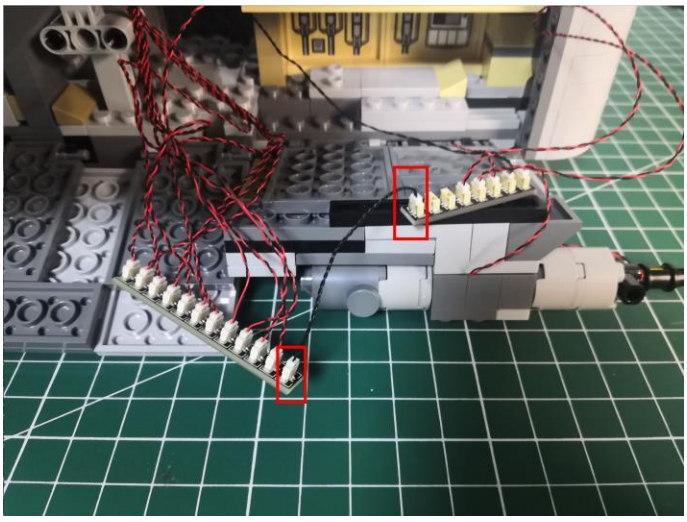
108.Connect the other cables to it.



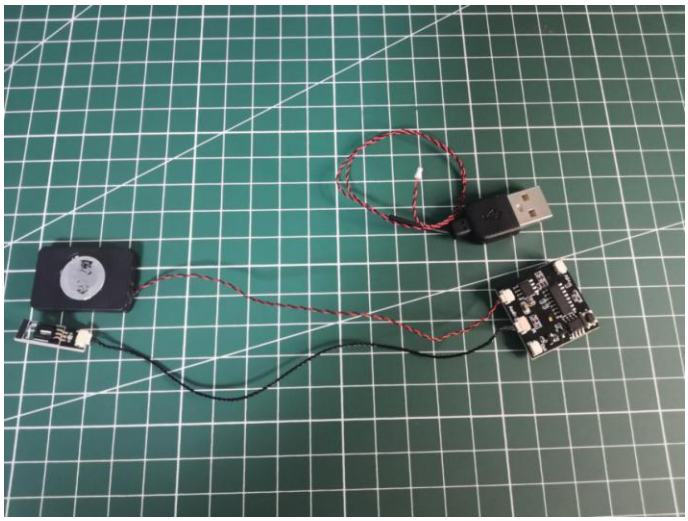
109.Take a 5cm connecting cable.



110.Assemble the 2 expansion boards together.

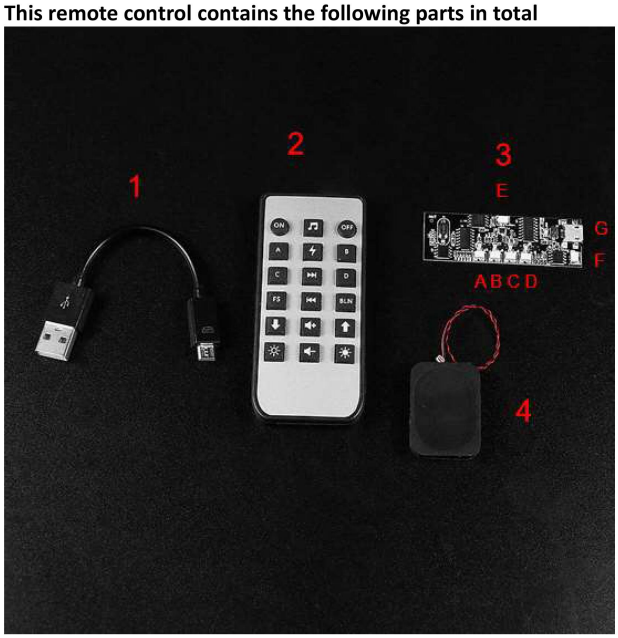


111.Take a Acousto-optic Control Switch Board, a USB cable.



Sound and light remote control function description

This remote control contains the following parts in total



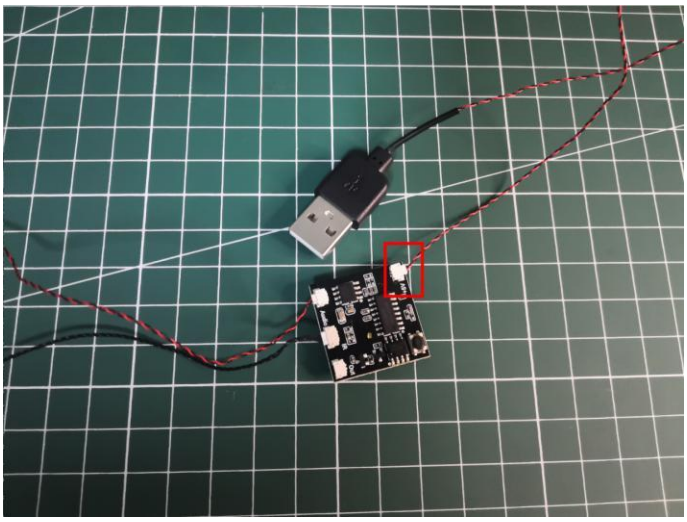
Introduction of each labeled part and socket:
1: This cable is used to connect the module to the computer. (One end of this cable connected to the computer, and the other connected to the G port. You can change the music in the storage disk to any music in the computer, and then use the remote control to play the music)
2: Sound and light remote control
3: Signal receiving and output module
4: Speaker for playing sound
A: Switch of A
B: Switch of B
C: Switch of C
D: Switch of D
E: Power input port (only this socket can be used as a power input port)
F: The connection port between the module and the speaker (4). Only connect speakers, not other components)
G: Data cable and module connection port (G cannot be used as a power input port, it can only be used to transfer music files)

The functions are as follows

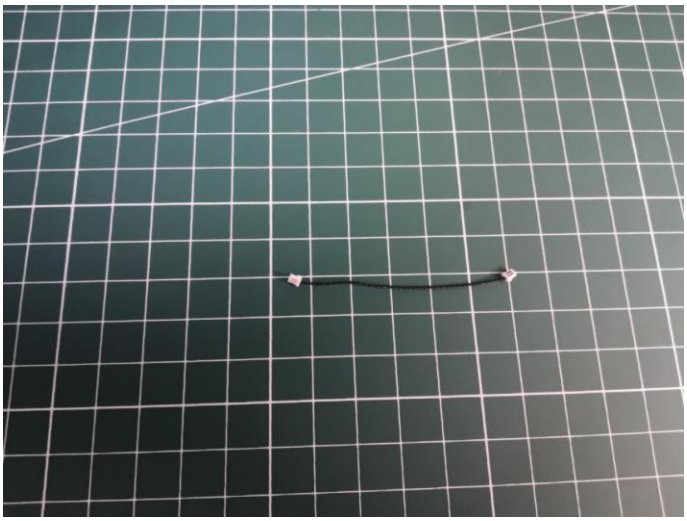
NEW FUNCTION DESCRIPTION
ON: ALL LIGHTING BRANCHES ARE FULLY OPEN
OFF: ALL LIGHTING BRANCHES ARE CLOSED
A: OPEN/CLOSE A BRANCH
B: OPEN/CLOSE B BRANCH
C: OPEN/CLOSE C BRANCH
D: OPEN/CLOSE D BRANCH
FS: TURN ON BLINKING FOR THE LAST OPEN CHANNEL
BLN: START BREATHING FOR THE LAST OPENED PATH
↑: INCREASE BLINKING/BREATHING RATE
↓: REDUCE FLICKER/BREATHING RATE
+: INCREASE BRIGHTNESS
-: REDUCE BRIGHTNESS
: BURST MODE
+: VOLUME INCREASE
- : VOLUME DOWN

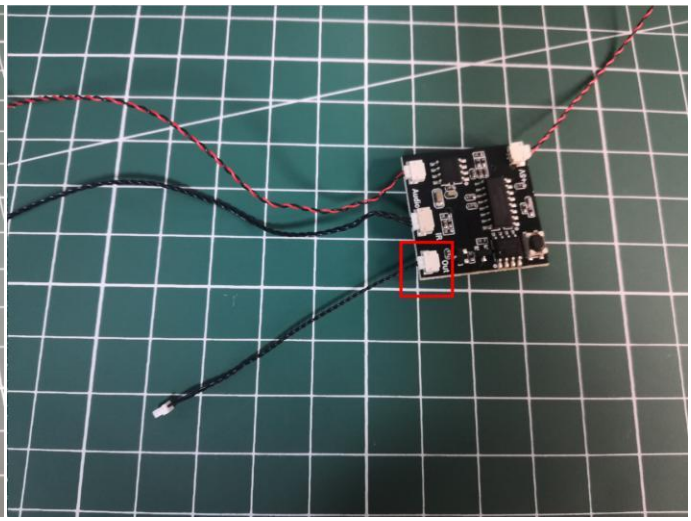
Precautions:
1. The new remote control lighting is divided into 4 channels, which can be controlled individually
3. Music and lighting can be turned off separately

112.Connect the USB cable to the input port on the Acousto-optic Control Switch Board.

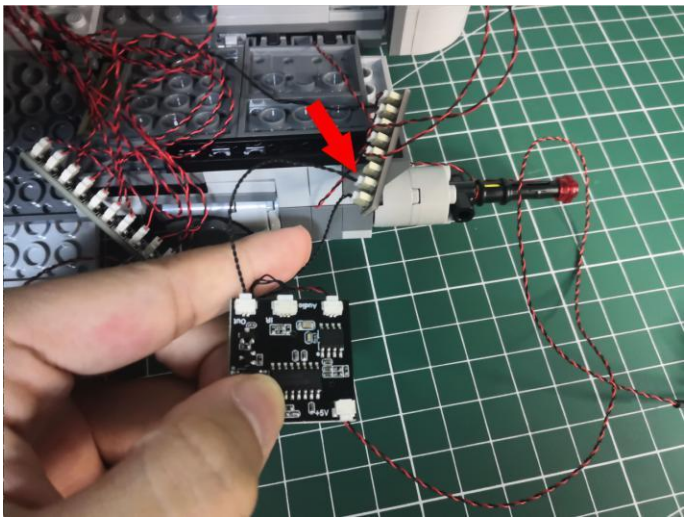


113.Take a 5cm connecting cable, connect it to the outport on the Acousto-optic Control Switch Board.



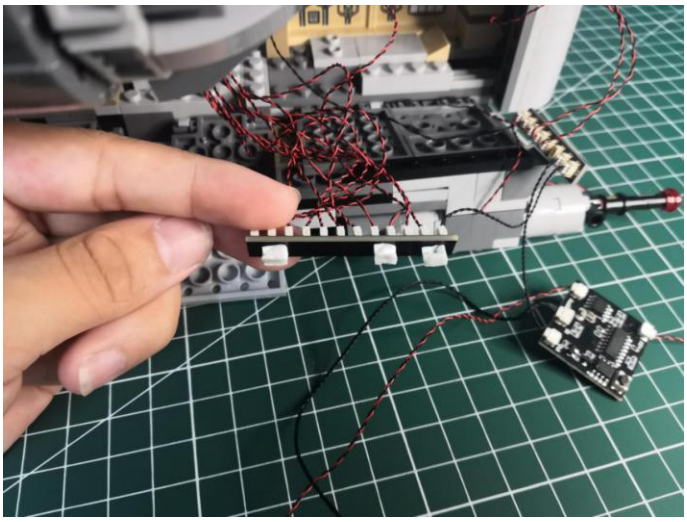


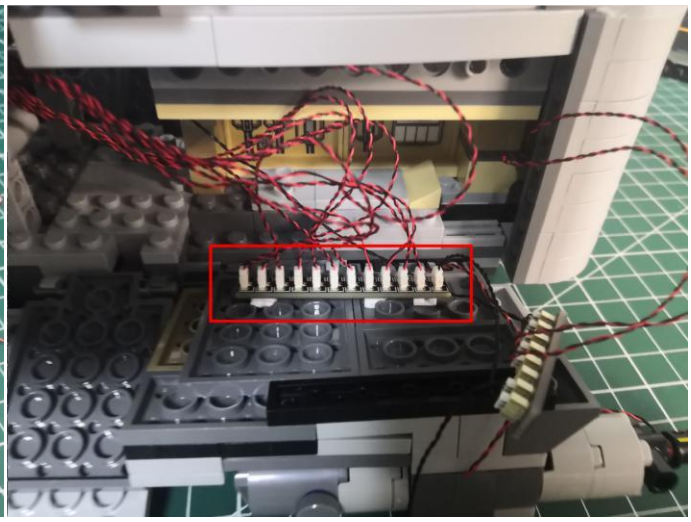
114.Connect the cable from the Acousto-optic Control Switch Board to the 8-port expansion board.



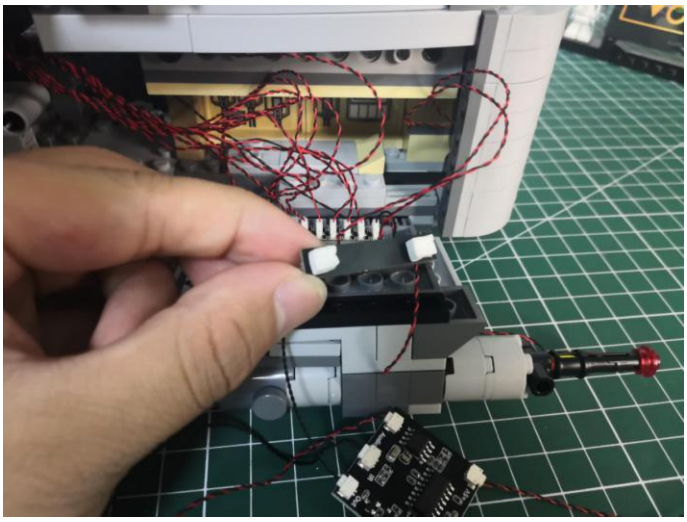
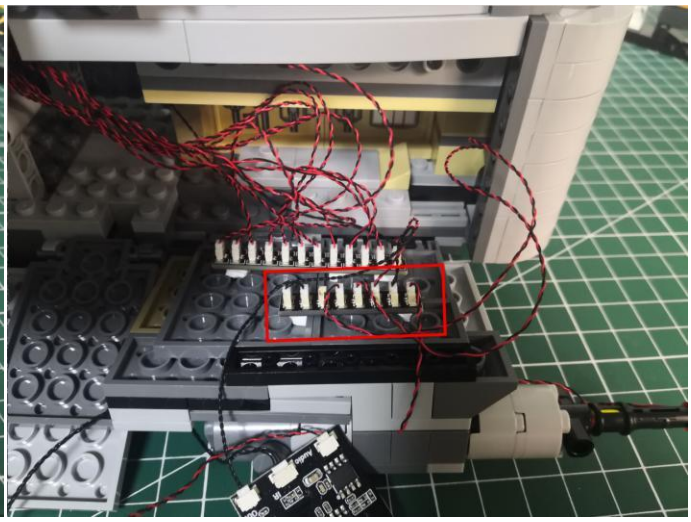
115.Take 12 adhesive squares.

116.Stick 3 adhesive squares to the back of the 12-port expansion board, stick the expansion board to the following place.

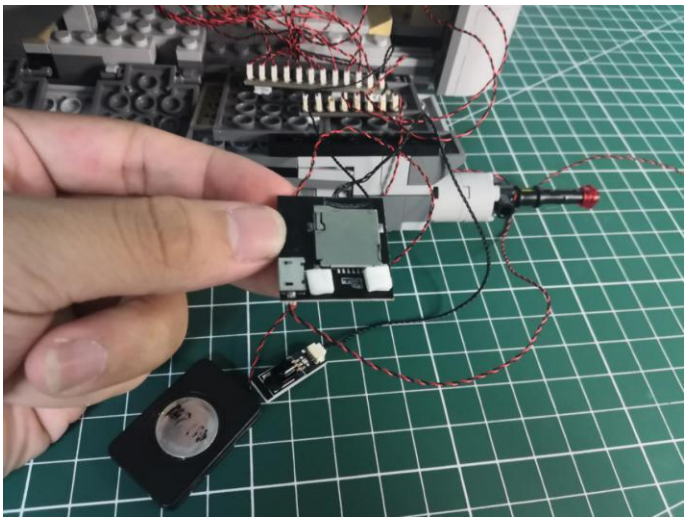
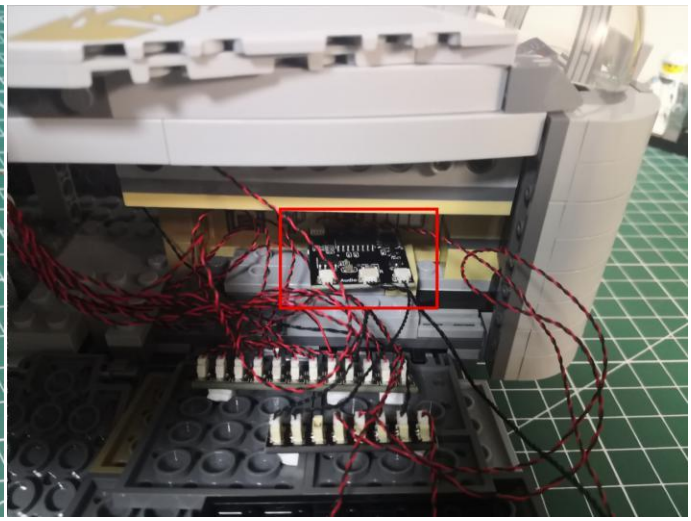




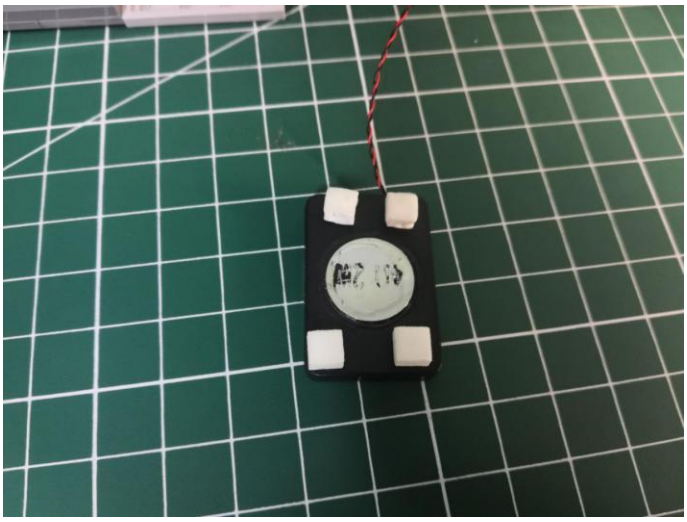
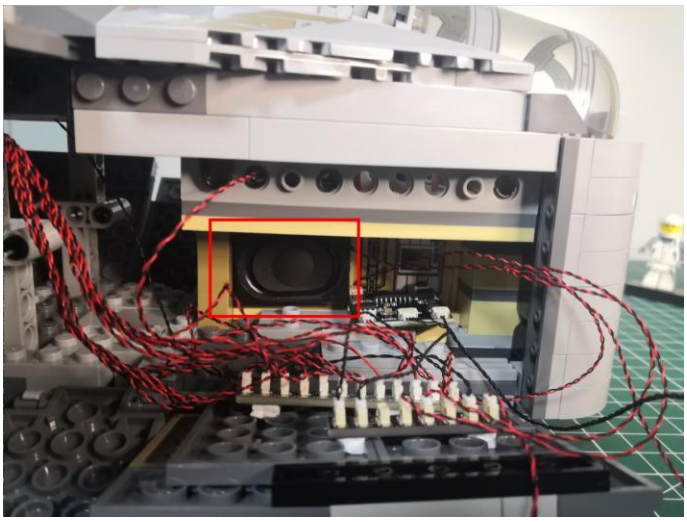
117.Stick 2 adhesive squares to the back of the 8-port expansion board, stick the expansion board to the following place.

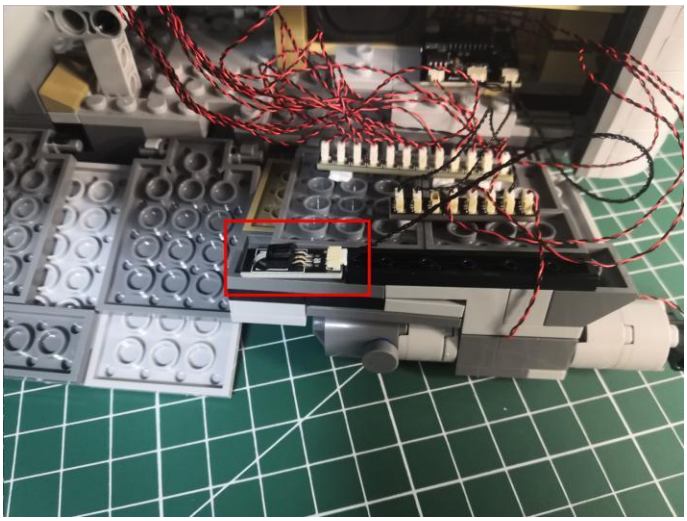
118.Stick 2 adhesive squares to the back of the Acousto-optic Control Switch Board， stick the Acousto-optic Control Switch Board to the following place.

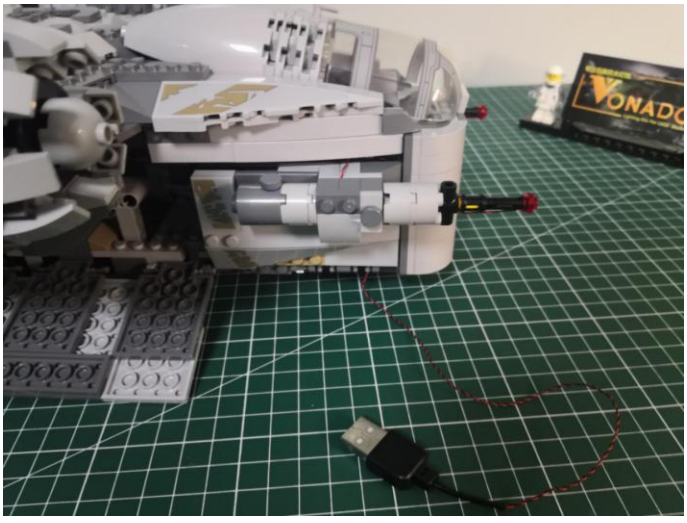
119.Stick 4 adhesive squares to the back of the speaker， stick the speaker to the following place.

120.Stick an adhesive square to the back of the signal receiver， stick the signal receiver to the following place.

121.Close the cabin.



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