

# 75095 Sith Infiltrator P45

- P45 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 “75095 P45”.
- 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 6 bags in this set. The name and quantities of specific components are as shown , please check carefully.**

Label	Content	Quantity
Bit Lights-15CM-Warm White	Bit Lights-15CM-Warm White	5
Expansion Board	6 Socket Expansion Board	1
Flat Battery Pack	Flat Battery Pack	1
Connecting Cables-5CM	Connecting Cables-5CM	1
Multi-Effects Board	Multi-Effects Board	1
Parts package		

**Please contact us immediately if there have any missing components.**

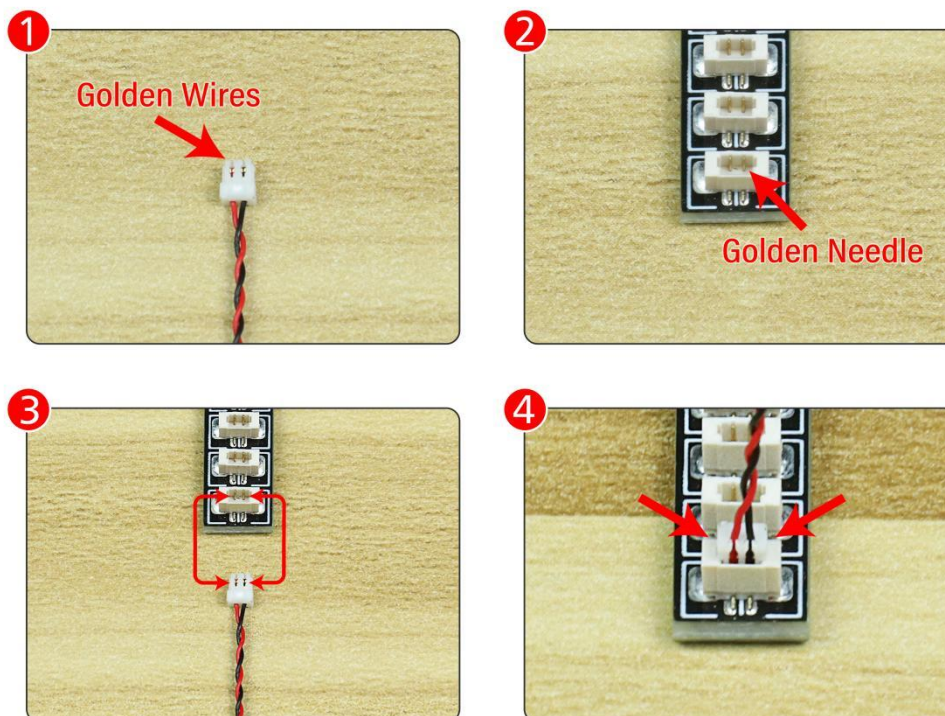
## Section B: Test that each components is working properly.

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



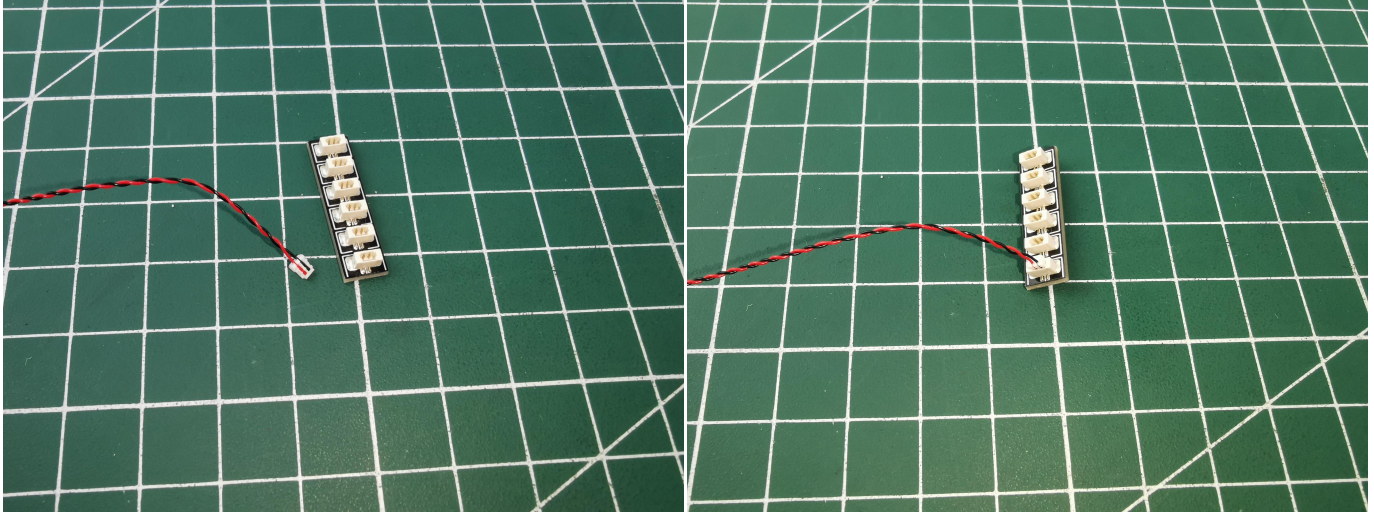
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

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



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.

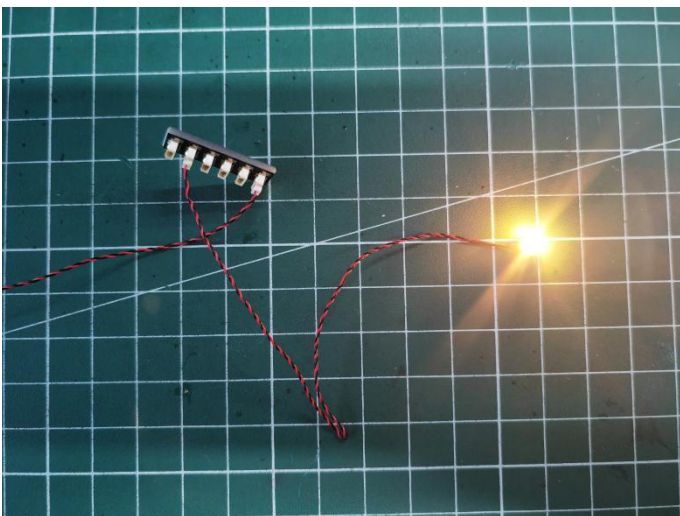
USB connectors to connect devices



**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-Warm White" particles,Take out the bag labelled "Bit Lights-15CM-Warm White".Take out one of the light and connect it to the socket. Turn on the power bank, the light will turn on normally as shown below.**



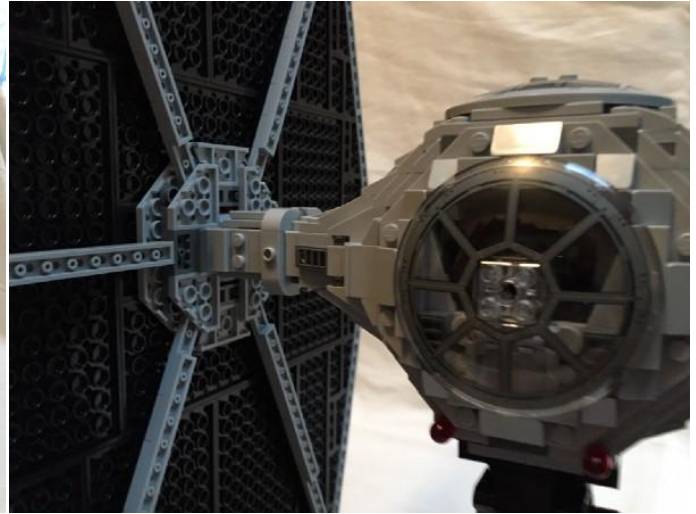
**Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.**



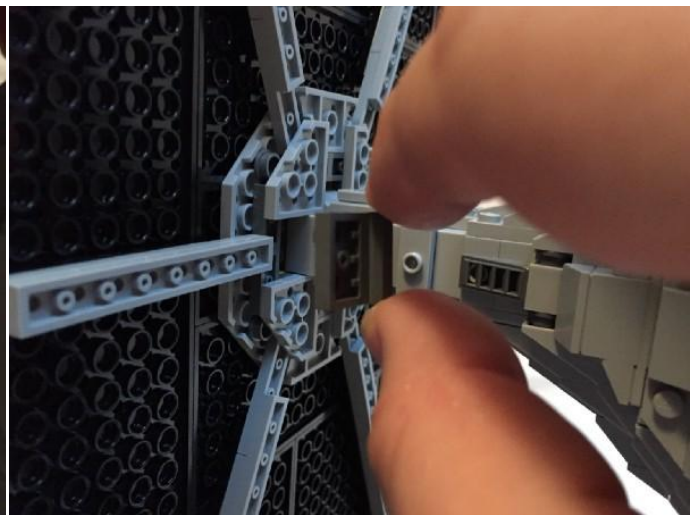
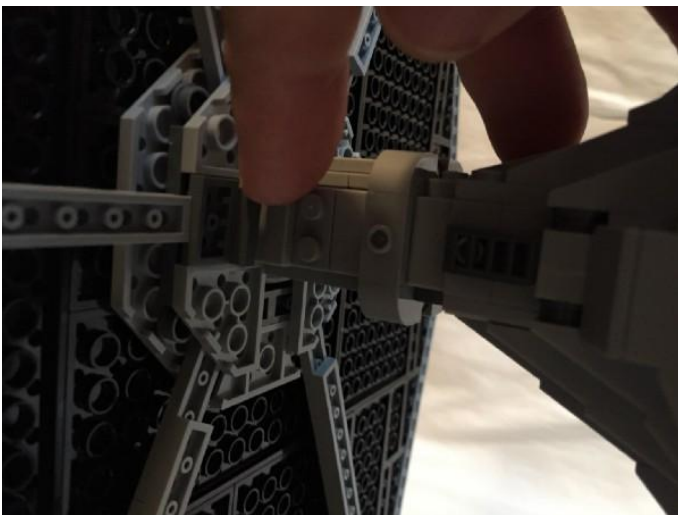
**The components needs to be tested in this set is 4\*Bit Lights-15CM-Warm White. Please contact us immediately if any components don't work.**

**Section C:** laying out components following the instruction.

**1**

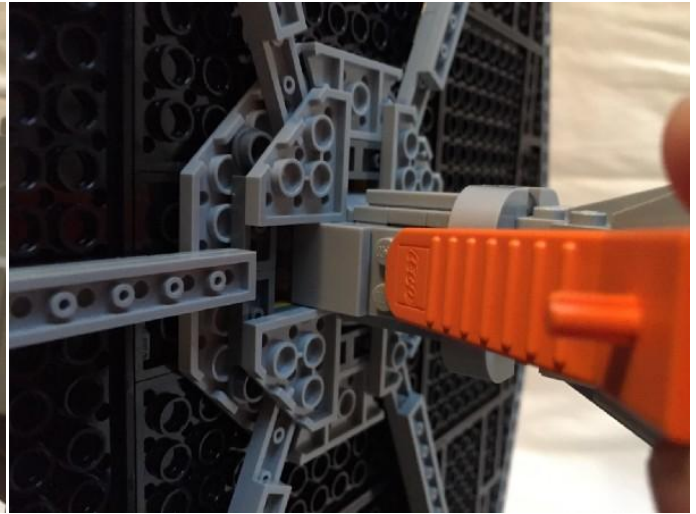
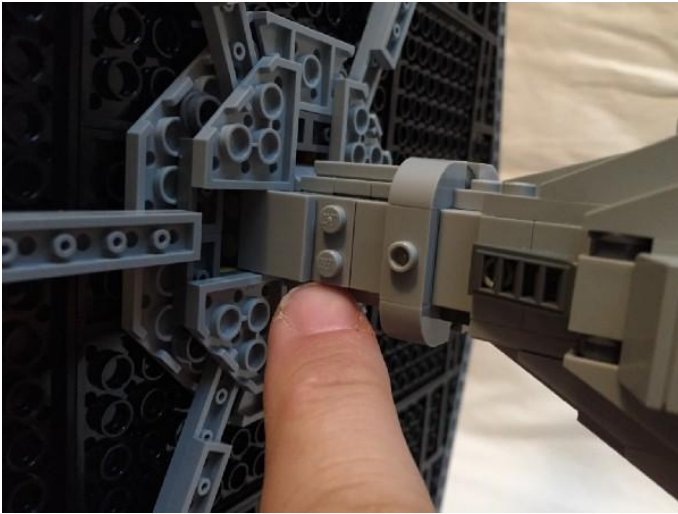


**2.** We need to start by taking the wings off.

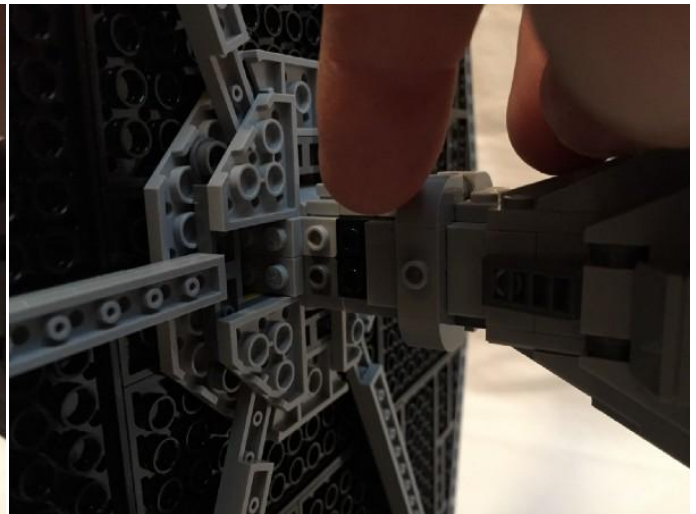
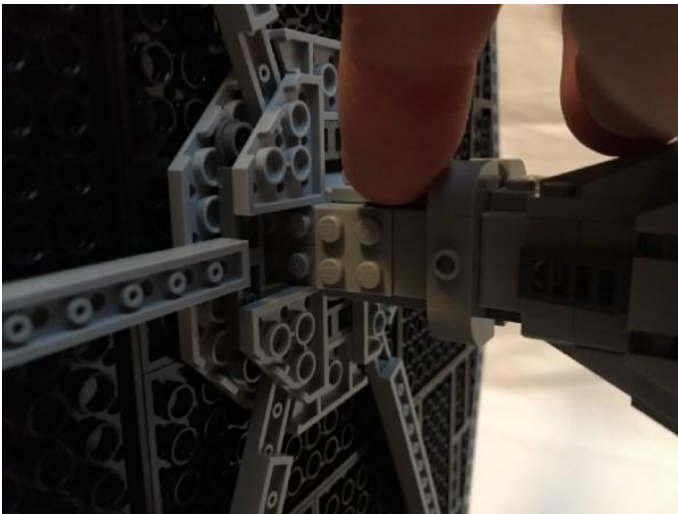




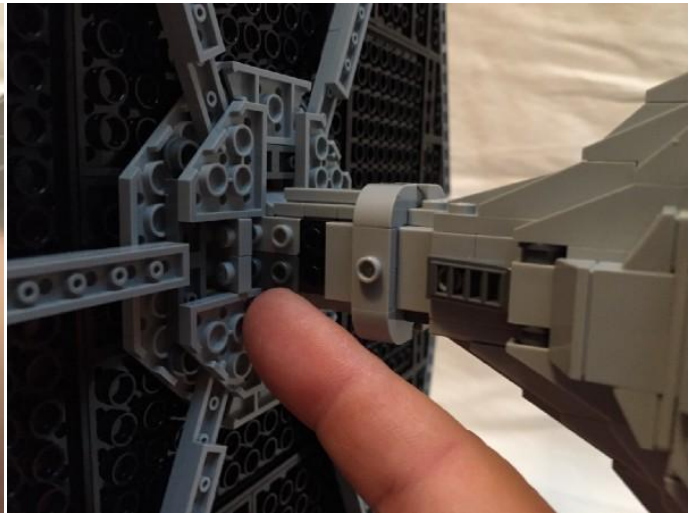
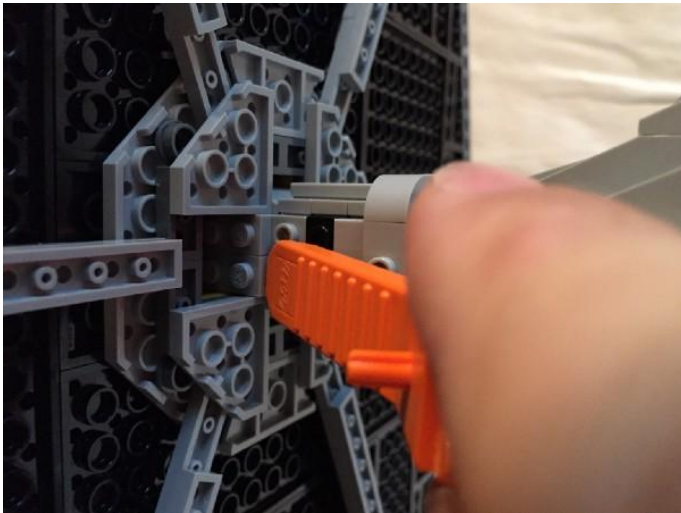
**3.** Remove pieces in reverse order to the way they were installed.  
Pull the dark grey modified plate with door rail towards the centre of the ship.



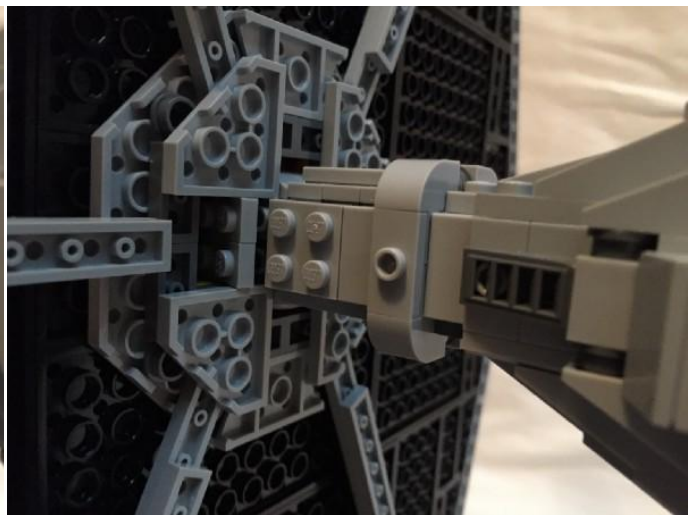
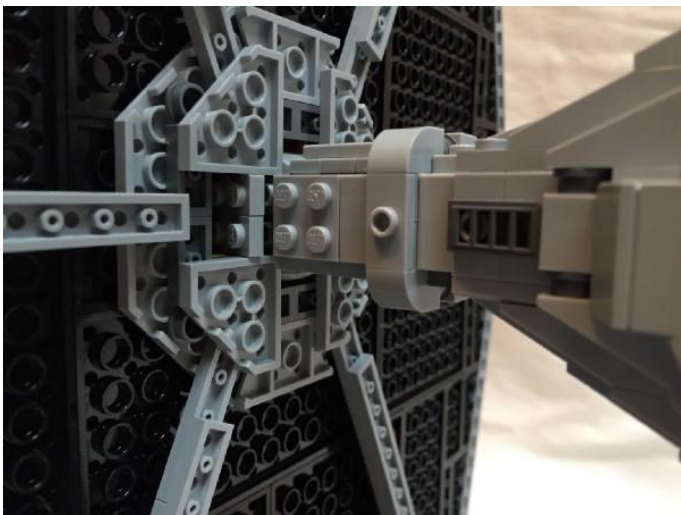
**4.** Pry off the 2 x 2 light grey tile. Using a brick separator can be helpful.



**5. Remove the 2 x 2 light grey plate.**



**6. Pry back the pieces that were right next to the 2 x 2 light grey plate. They have hinged ends and will swing away, towards the wing.**



**7.**At this point I like to replace the light grey 2 x 2 plate so I don' t lose it :-).

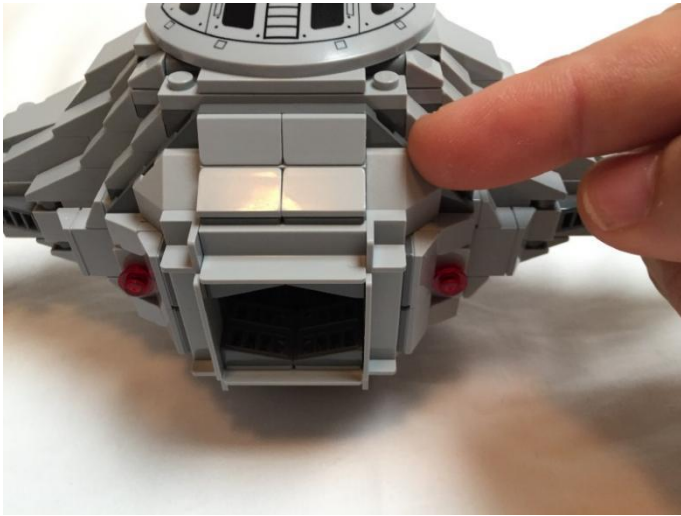


**8.**Once you have rpeated the above steps for the front and back of each wing, you can carefully lift them off.

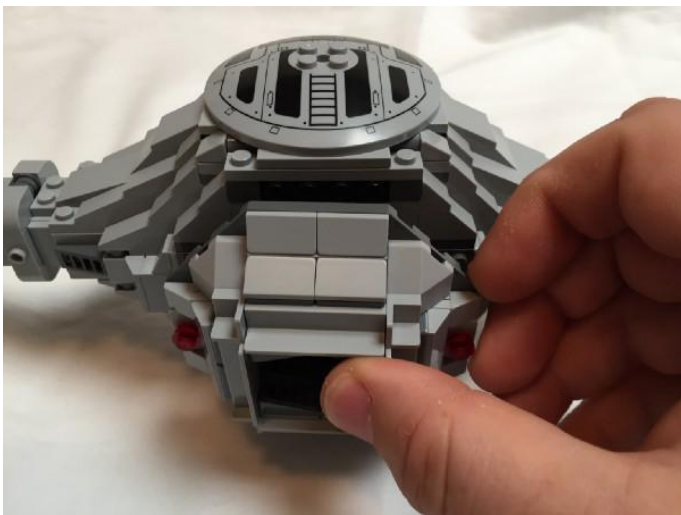
Remember that they are quite heavy and the ship will be easilly unbalanced of you just take one off without counter balancing the other one.



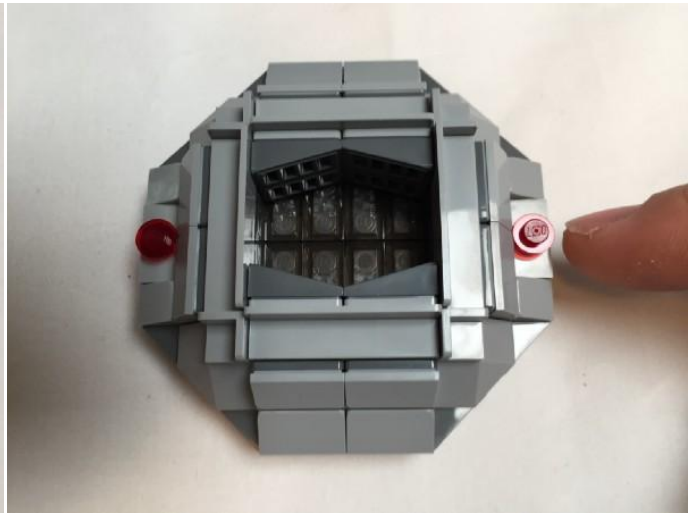
**9.** Pull the main part of the ship off the stand and turn the back towards you.



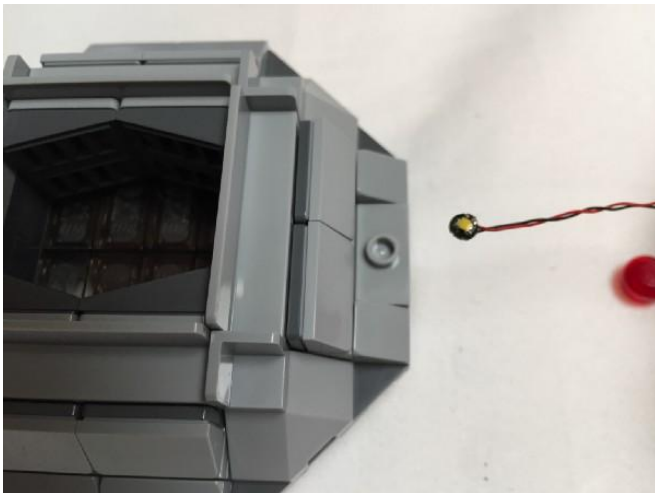
**10.** Look for the dark grey octagon shaped piece.



**11.** Pry it away from and detach it from the body of the ship.

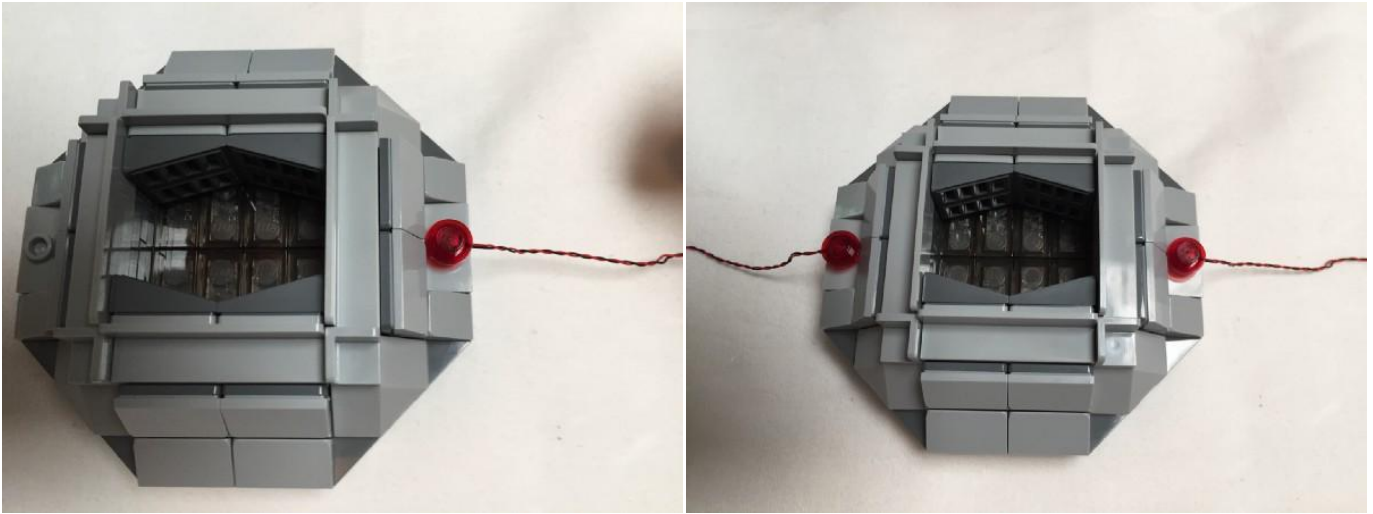


**12.** Grab a White 15cm Dot Light. Locate the trans-red 1 x 1 round plates on the back.



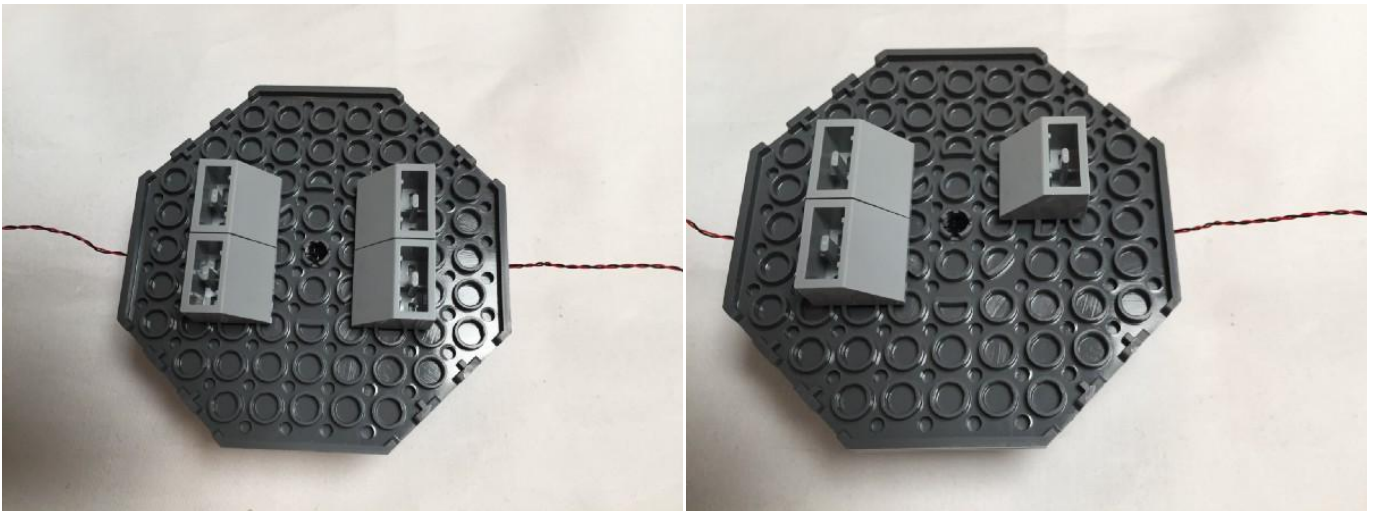
**13.** Remove the trans-red 1 x 1 round plates.

Rest the White 15cm Dot Light on top of the stud that the plate came off. Make sure the yellow LED element is facing you.

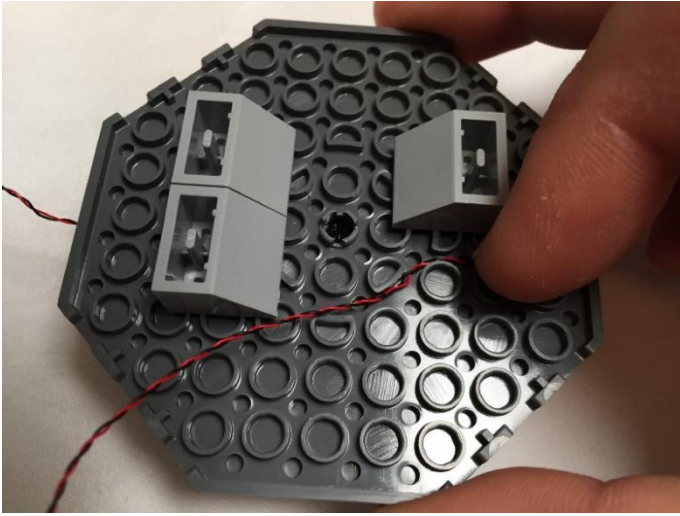


**14.** Carefully replace the trans-red 1 x 1 plate over the top of the White 15cm Dot Light.

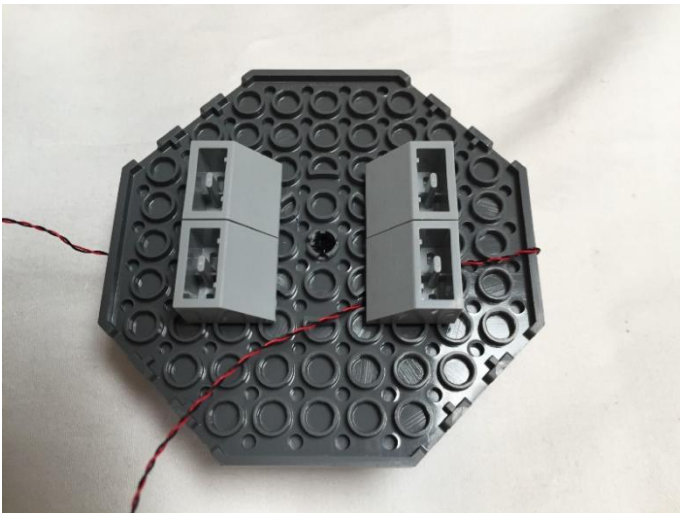
Repeat these steps and fit another White 15cm Dot Light to the opposite side.



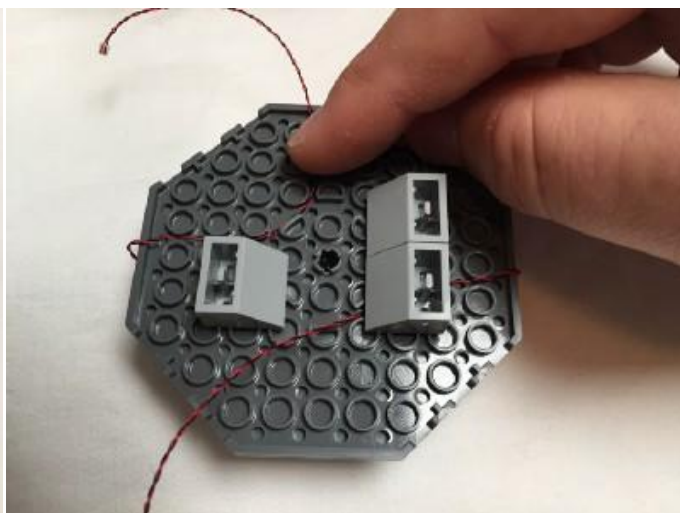
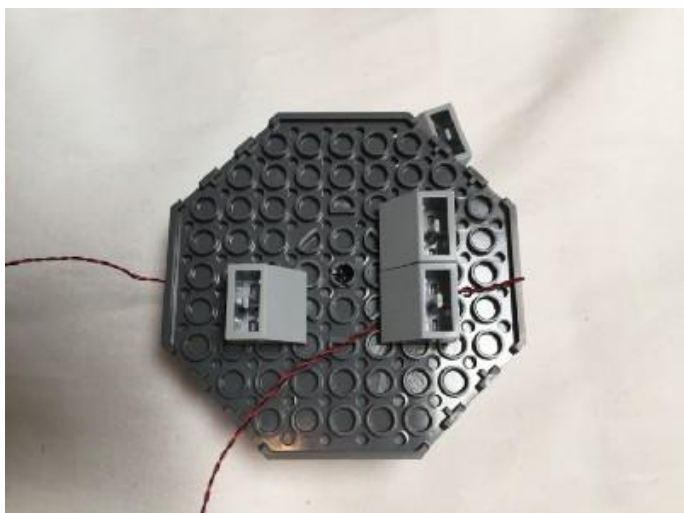
**15.** Turn the octagonal piece over and remove one of the inverted slope pieces.



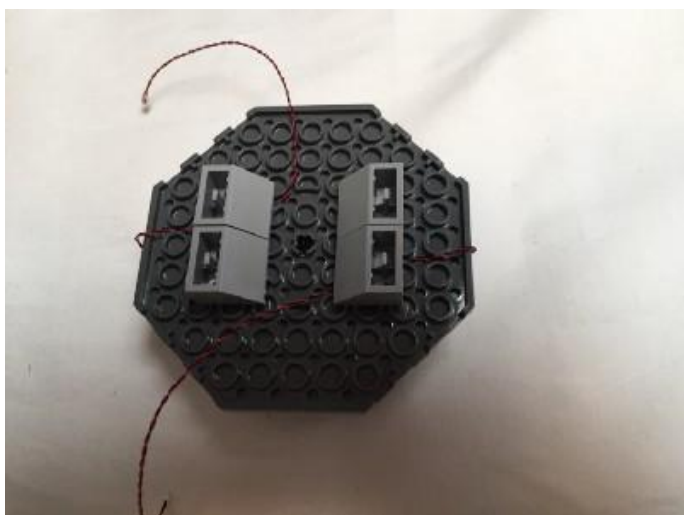
**16.** Run the White 15cm Dot Light cable towards the middle and then angled down as seen in the picture above.



# 17. Replace the inverted slope piece.



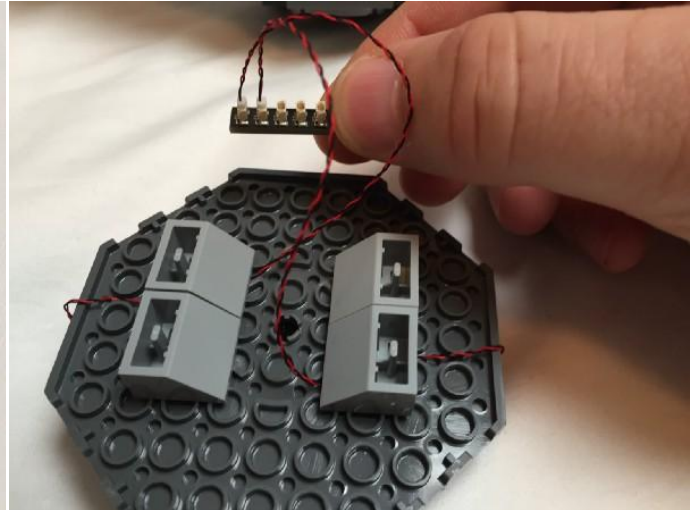
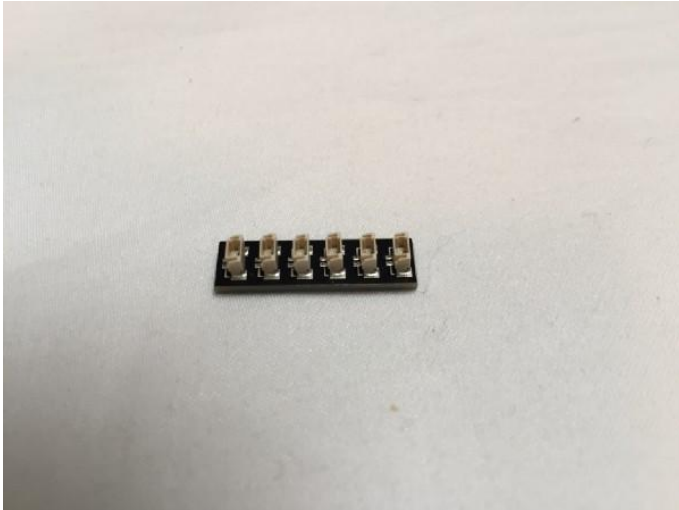
# 18



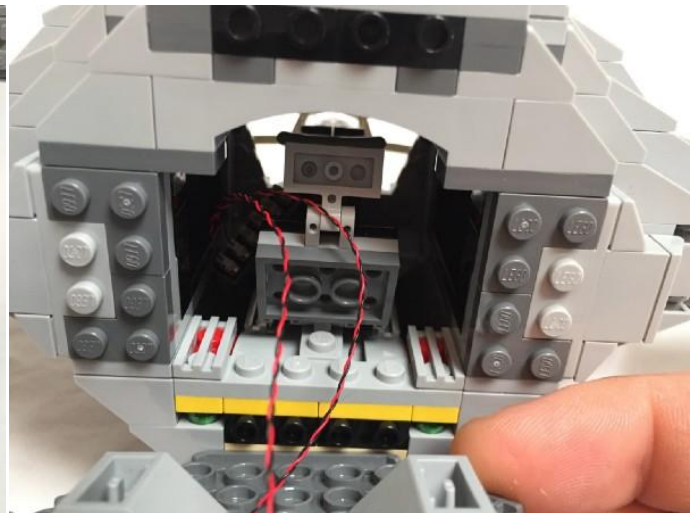
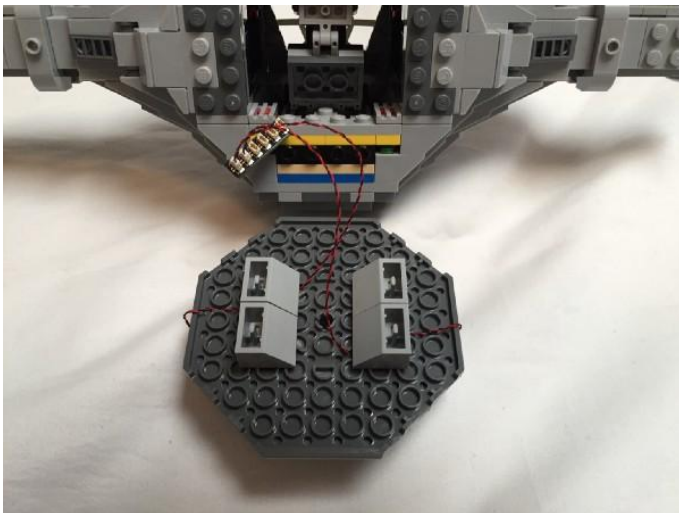


**19.** Remove the inverted slope piece that is diagonally opposite the first one you removed.

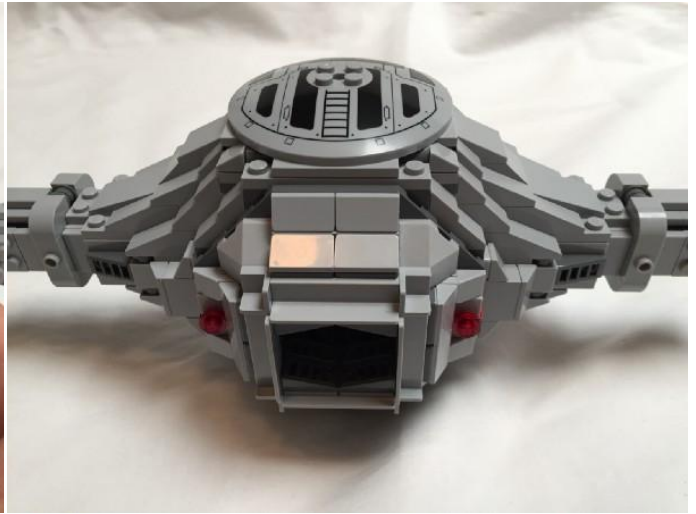
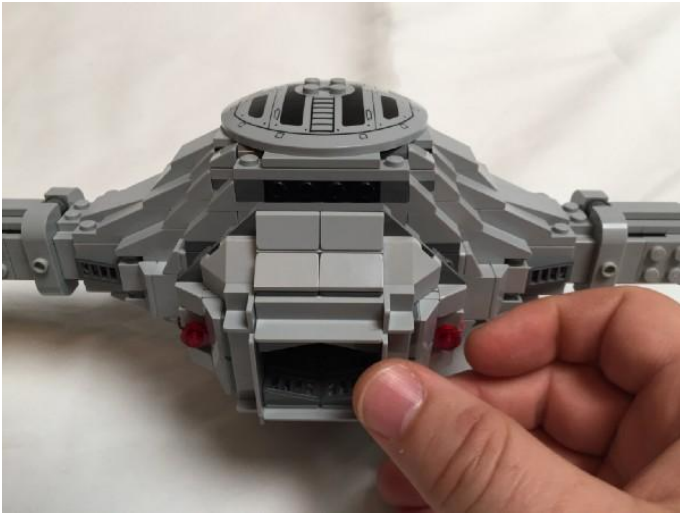
Run the White 15cm Dot Light cable in the same way as before and replace the inverted slope piece.



**20.** Grab the 6 Port Expansion Board and connect the wires from the two White 15cm Dot Lights to it.



**21.**As you prepare to reattach the octagonal piece, place the 6 Port Expansion Board over the back of the pilot's chair and well inside the cockpit.



**22.**Reattach the octagonal piece.



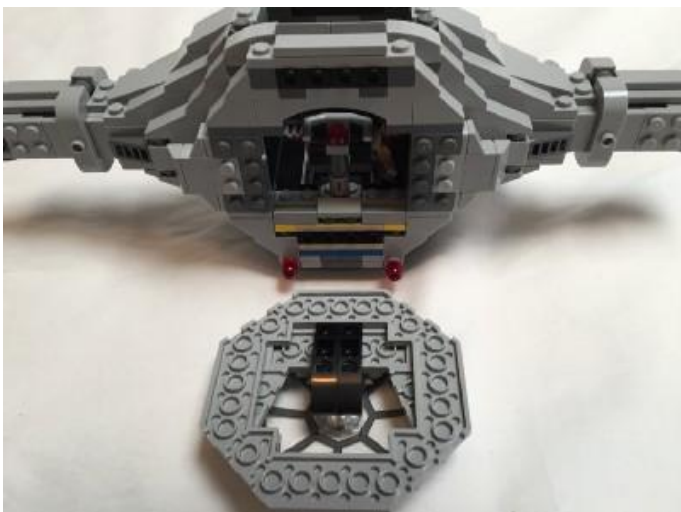
**23.** Turn the ship around and open the hatch.



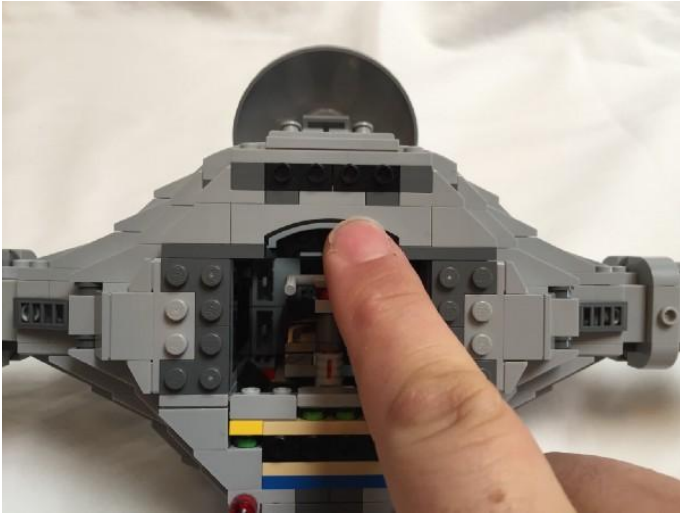
**24.** Remove the 1 x 4 light grey plates on either side of where the hatch closes.



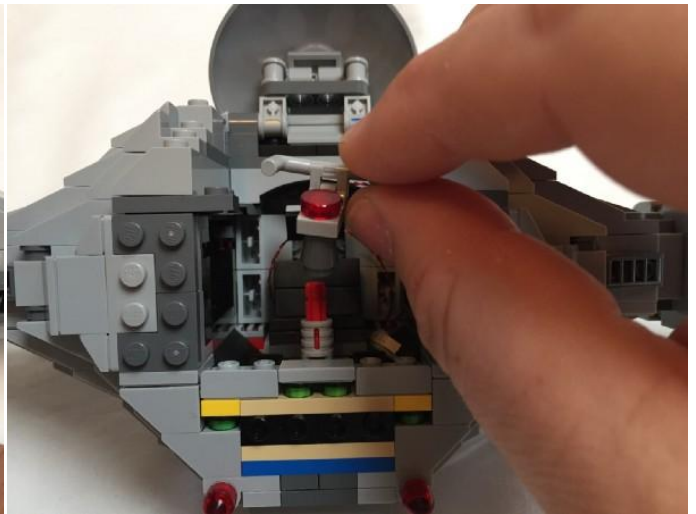
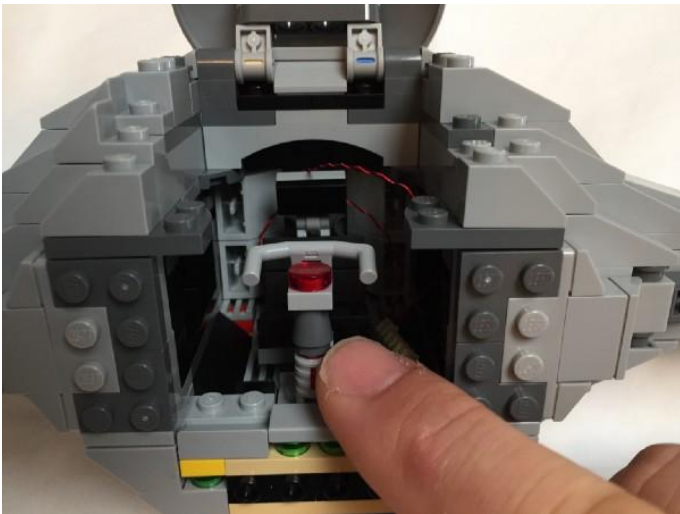
**25**



**26.** Look for the octagonal piece on the front of the ship and remove it.



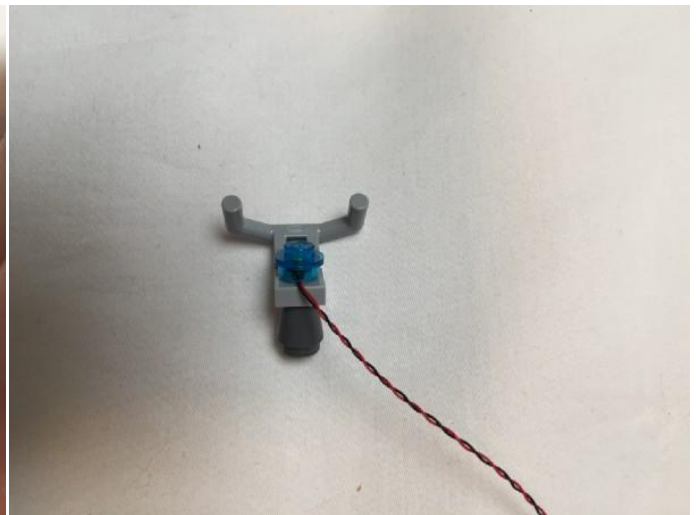
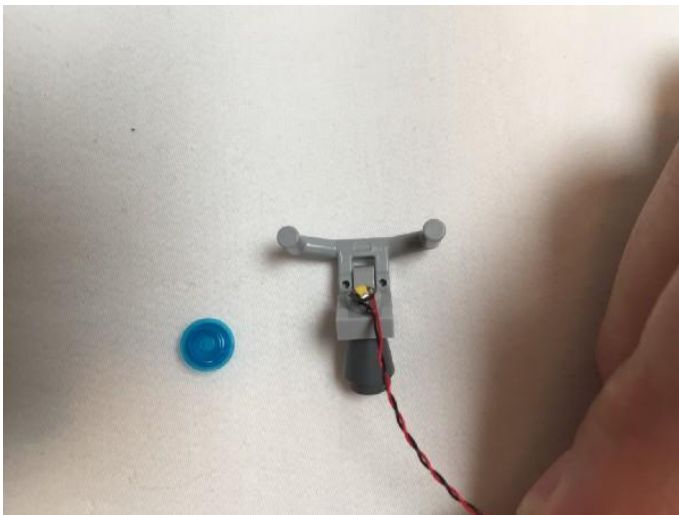
**27.** Apply some upward pressure to the arch piece above the cockpit. The arch piece as well as pieces attached above it will come away.



## 28. Pull the steering controls out of the ship.



## 29. Remove the trans-red tile from the steering controls.



## Tips

The plate without slit:

### The plate without slit:

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



The plate with slit:

### The plate with slit:

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

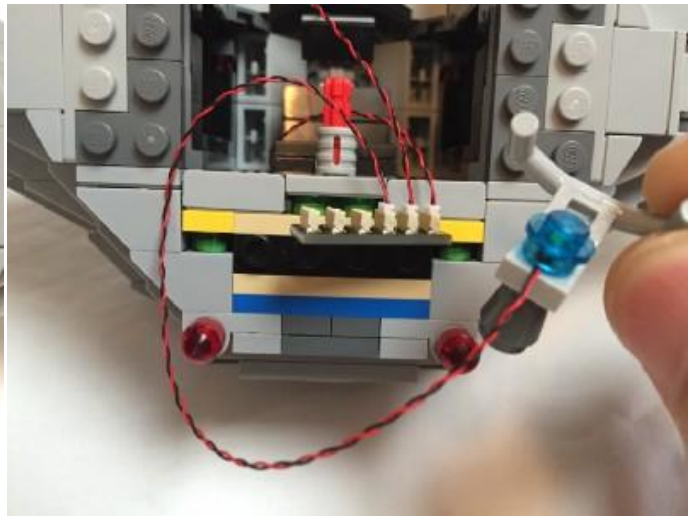
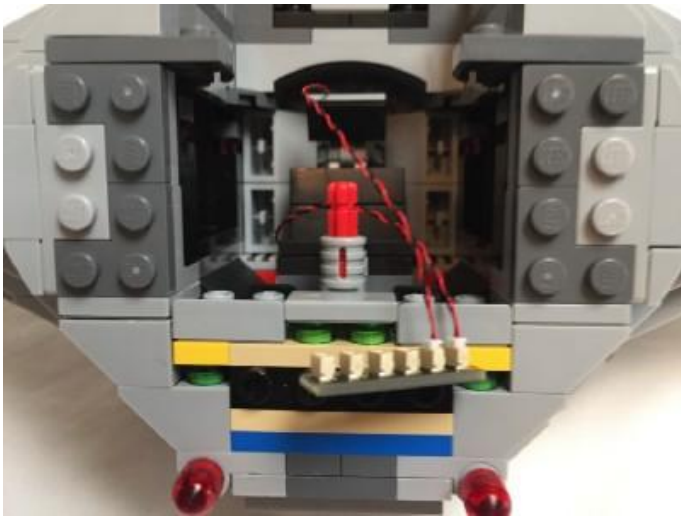


The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.

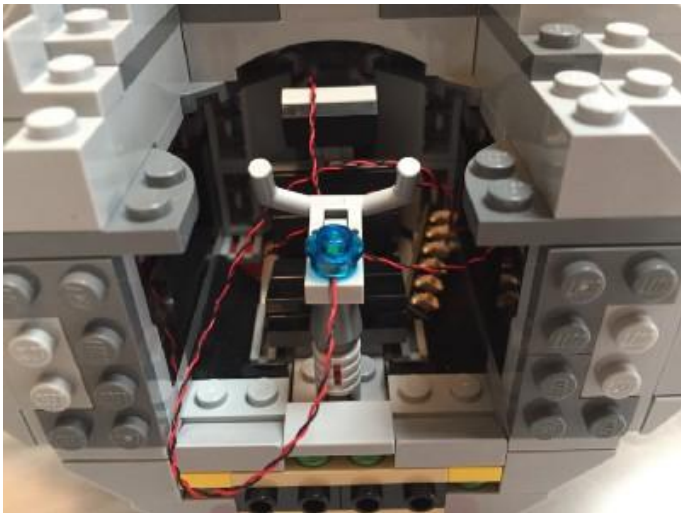
**30.** Grab the trans-blue 1 x 1 round plate and a White 15cm Dot Light.

Rest the White 15cm Dot Light on top of the stud with the yellow LED element facing up.

Carefully fit the trans-blue 1 x 1 round plate over the White 15cm Dot Light.



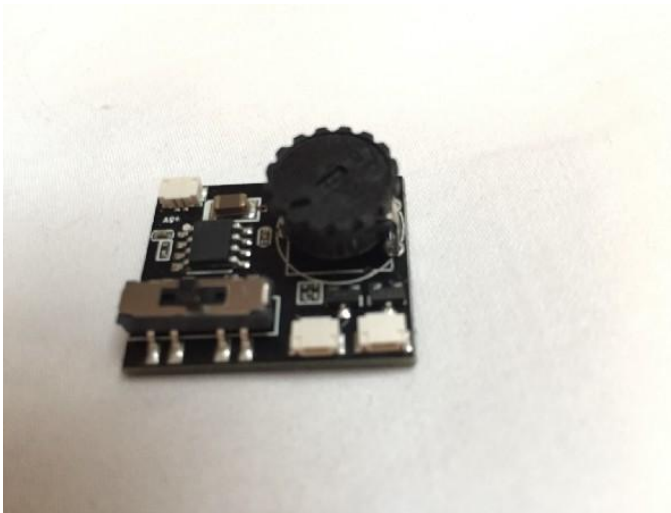
**31**



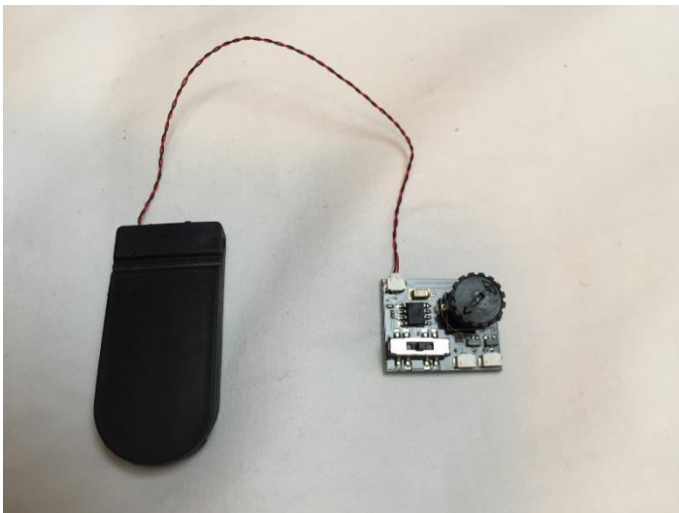
**32.** Pull the 6 Port Expansion Board out of the cockpit.

Connect the White 15cm Dot Light on the steering controls to the 6 Port Expansion Board.

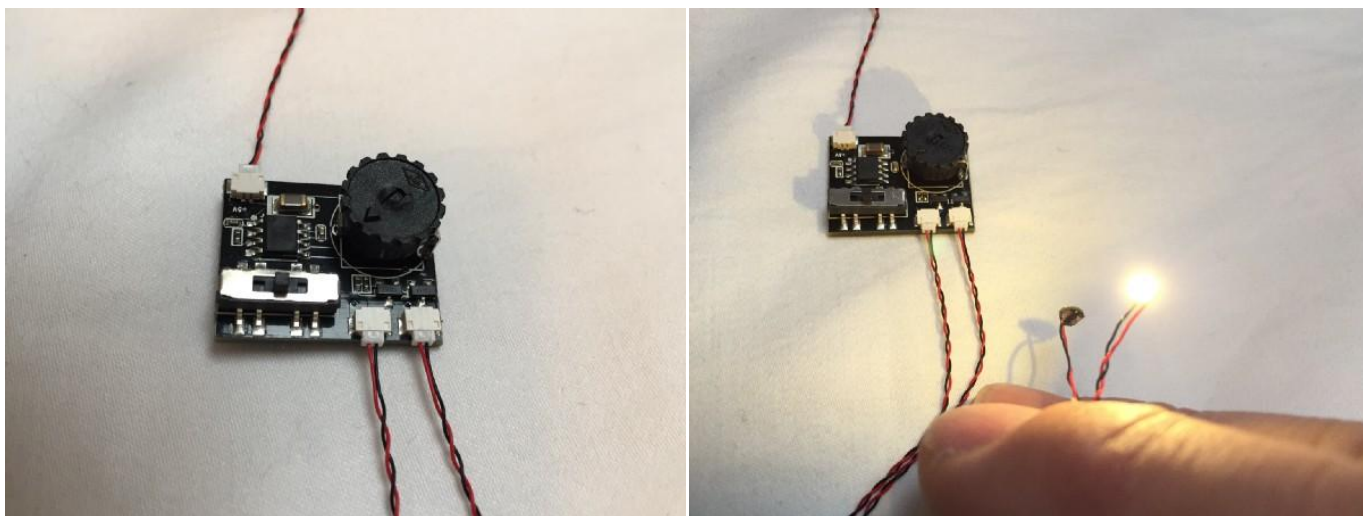
Reattach the steering controls and put the 6 Port Expansion Board back in the cockpit.



**33.** Grab the Multi-Effect Boards and the Flat Battery Pack.



**34.** Put batteries in the Flat Battery Pack and connect to the Multi-Effect Board as seen in the picture above.



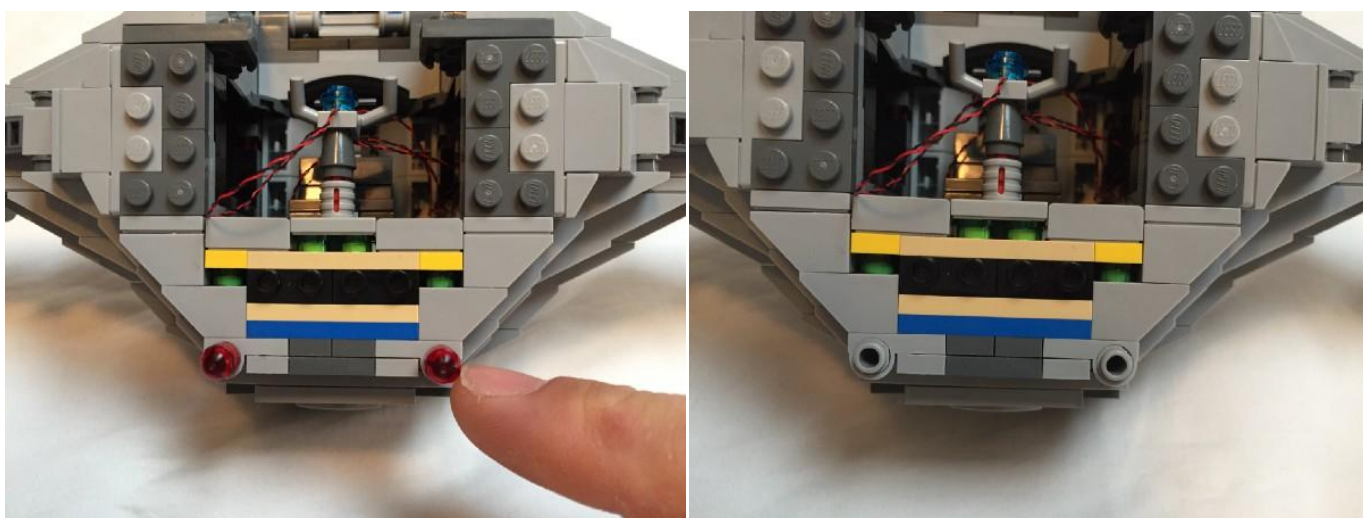
**35.** Connect two of the White 15cm Dot Lights to the available two ports on the Multi-Effect Board.

Make sure the Multi-Effect Board switch is in the centre position.

Turn the Flat Battery Pack on and the lights will start flickering.

Adjust the dial on the Multi-Effect Board until you find a laser gun effect that you are happy with. This can be adjusted again later on.

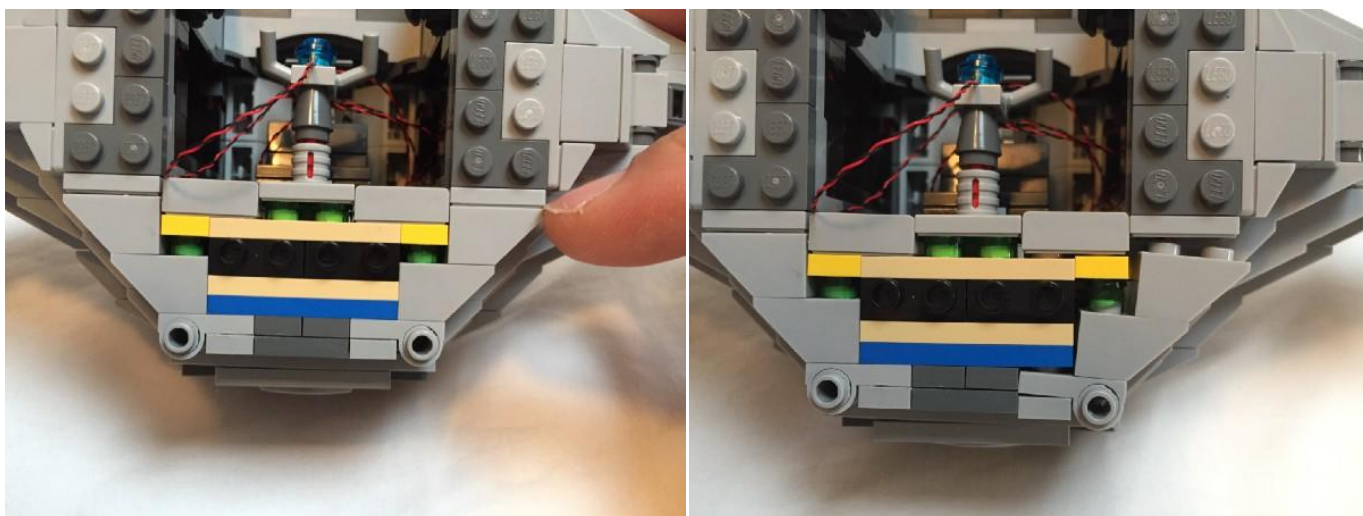
Disconnect the Flat Battery Pack and the White 15cm Dot Lights from the Multi-Effect Board.



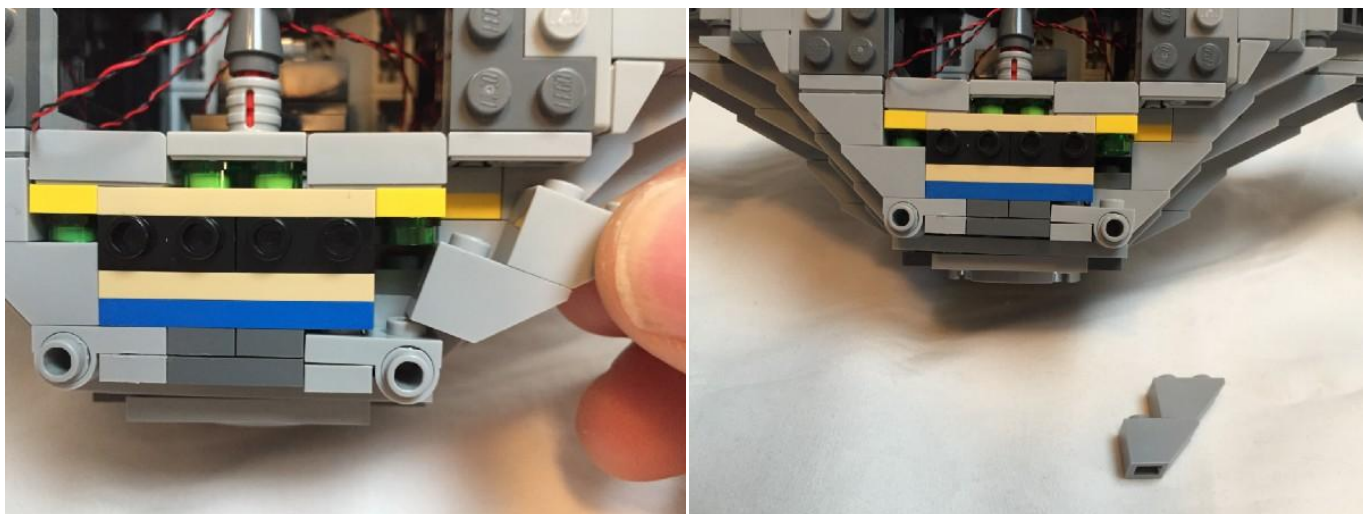


**36.** Remove the trans-red light cover pieces.

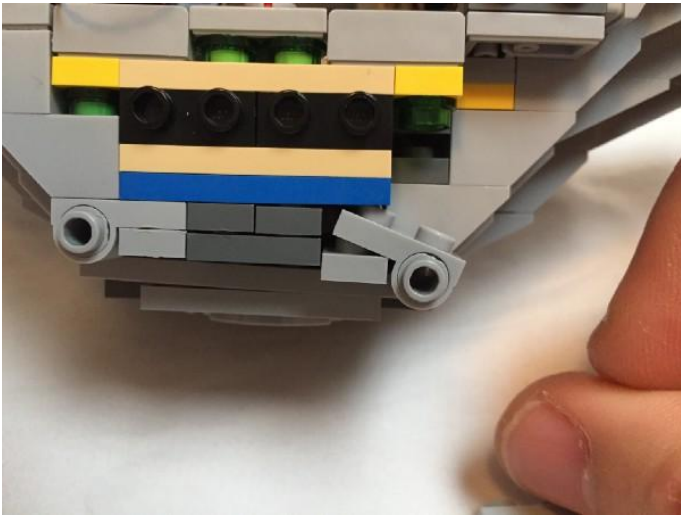
The light grey technic 1/2 pins may come out as well. If they do, put them back in place.



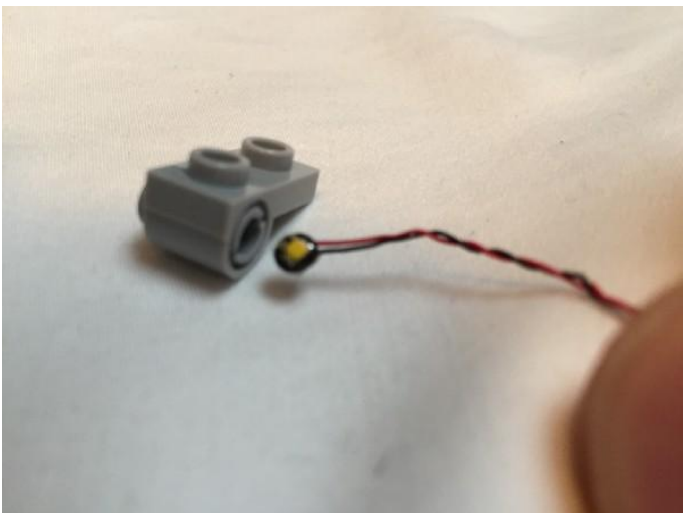
**37.** Use a brick separator or your finger nail to pry open a gap above the set of two inverted slope pieces.



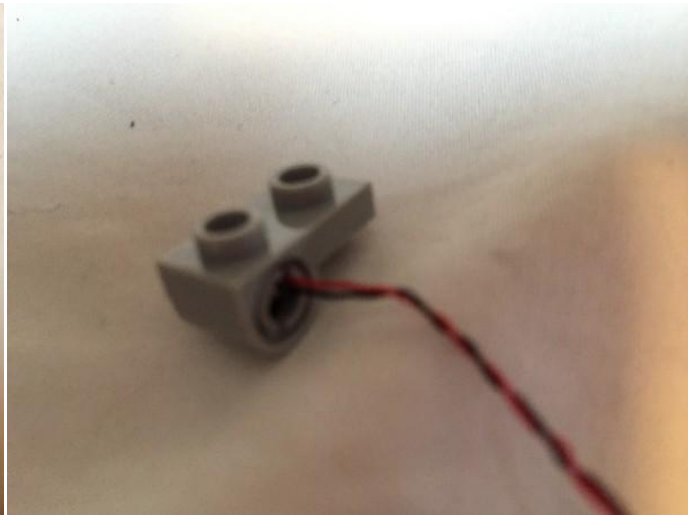
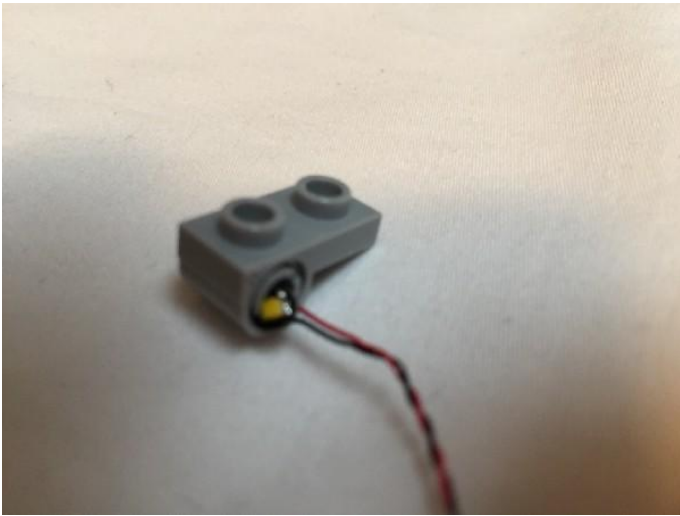
**38.**Continue to expand the gap until the inverted slope pieces can be removed.



**39.**Wiggle the 1 x 2 plate with pin hole piece until it comes out. It has the technic 1/2 pin inside it.

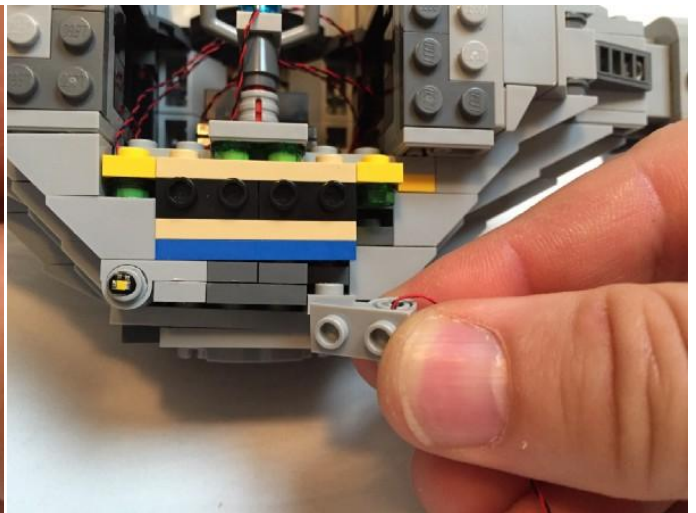
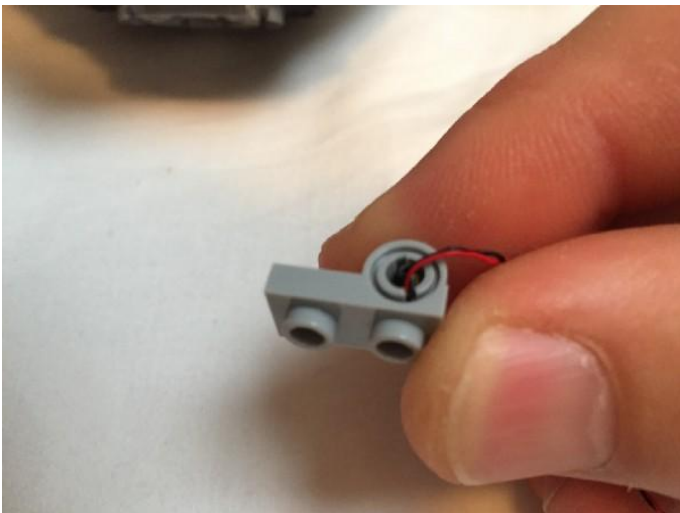


**40.** Turn the 1 x 2 plate with pin hole piece around so you can access the back of it.

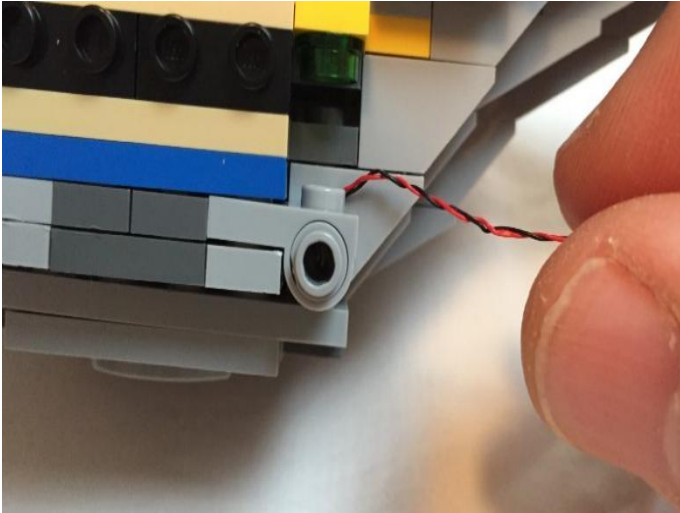


**41.** Grab a White 15cm Dot Light and feed the LED element inside the technic pin.

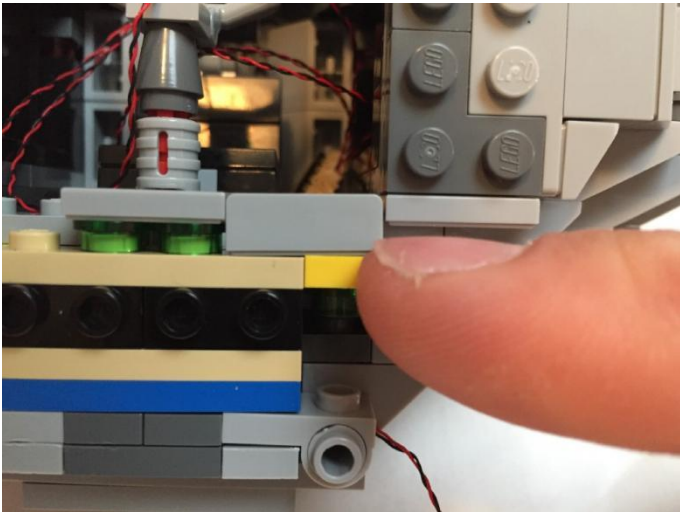
Stop feeding the White 15cm Dot Light in once the LED is just inside the technic 1/2 pin.



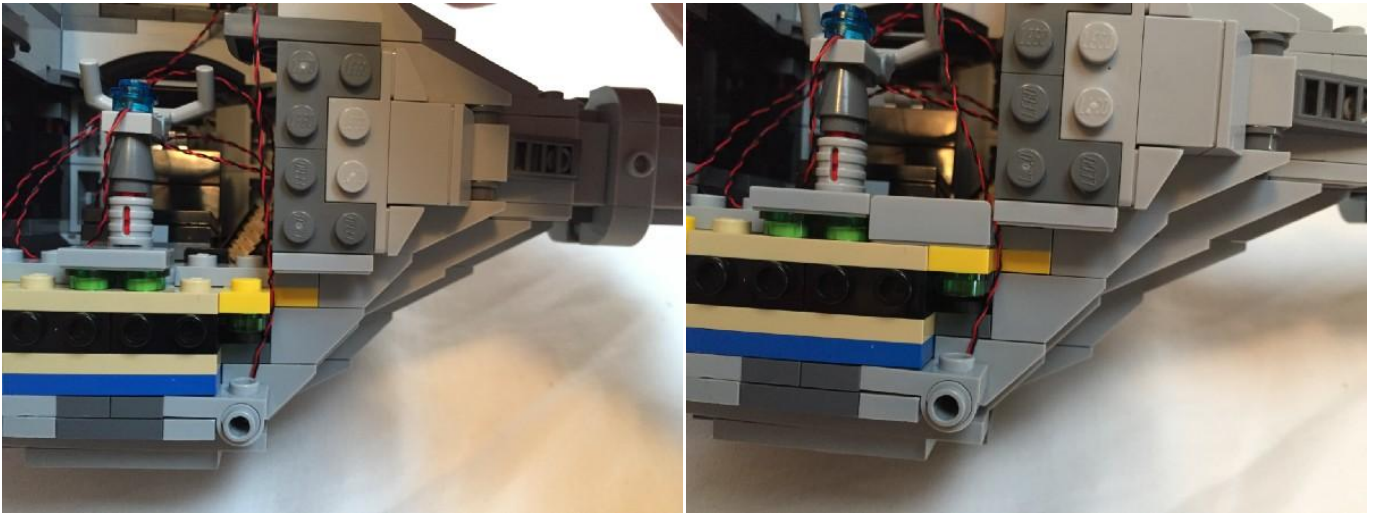
**42**



**43.** Replace the 1 x 2 plate with pin hole piece. The wires for the White 15cm Dot Light will be coming out the back.

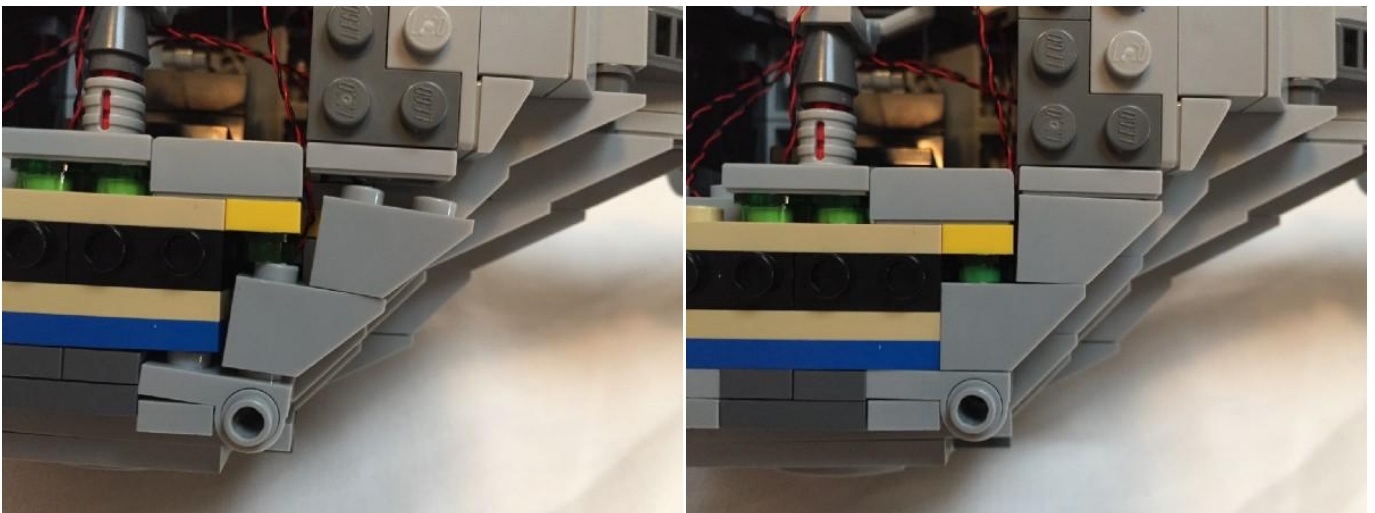


**44.** Remove the light grey slope piece shown in the picture above.



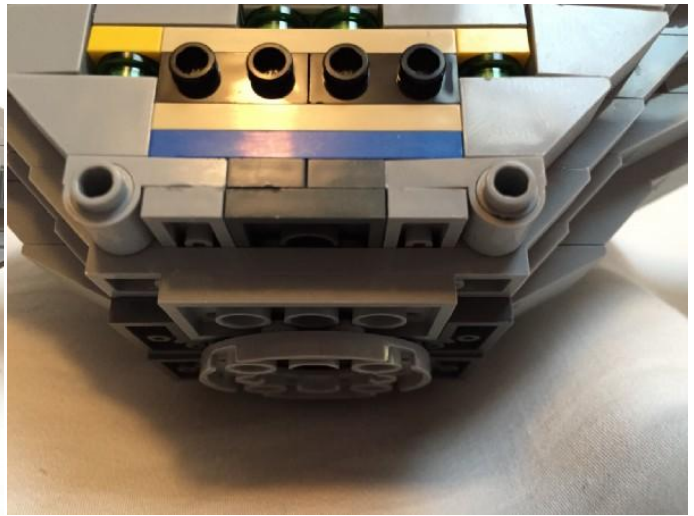
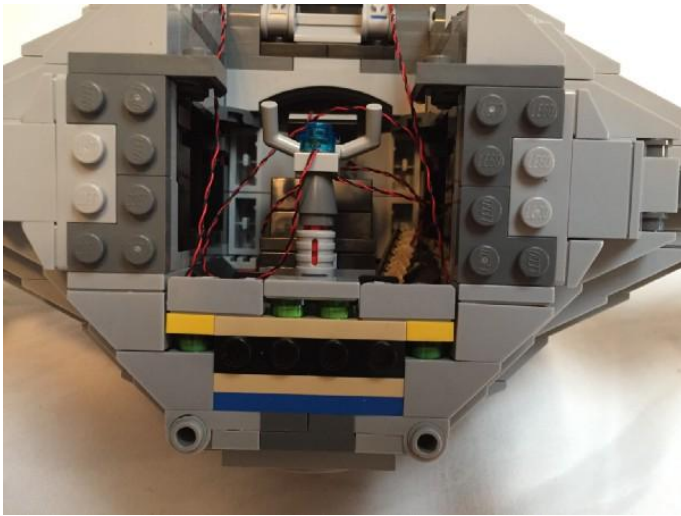
**45.** Pull the White 15cm Dot Light wire vertically up.

Reattach the light grey slope piece trapping the White 15cm Dot Light wire on the far side of the slope.

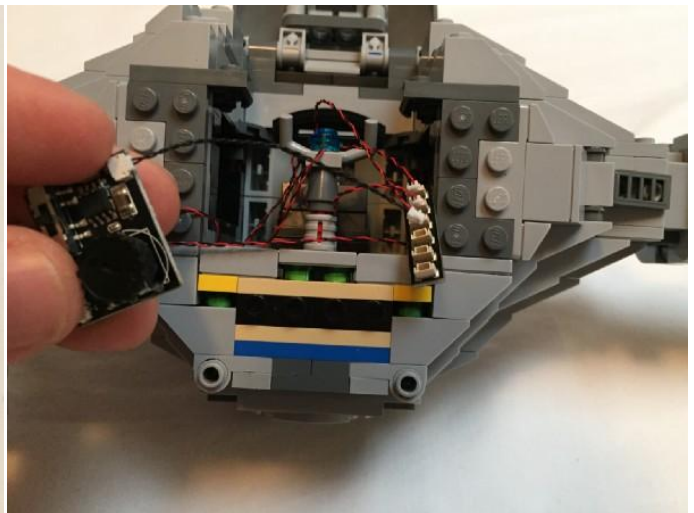
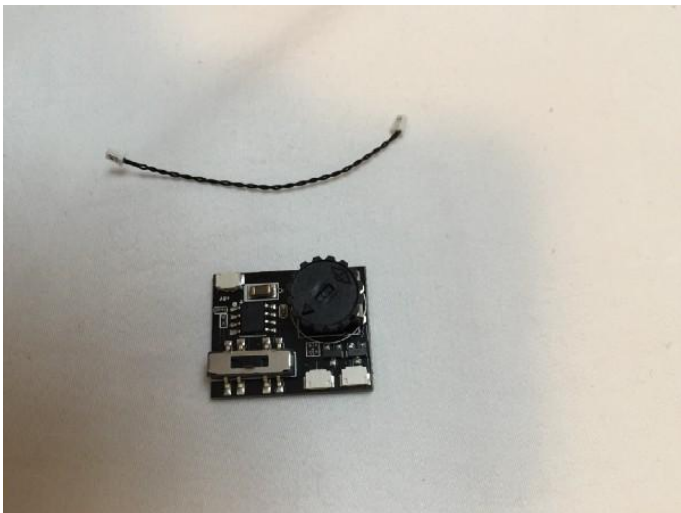


**46.**Put the two inverted slope pieces back in place.

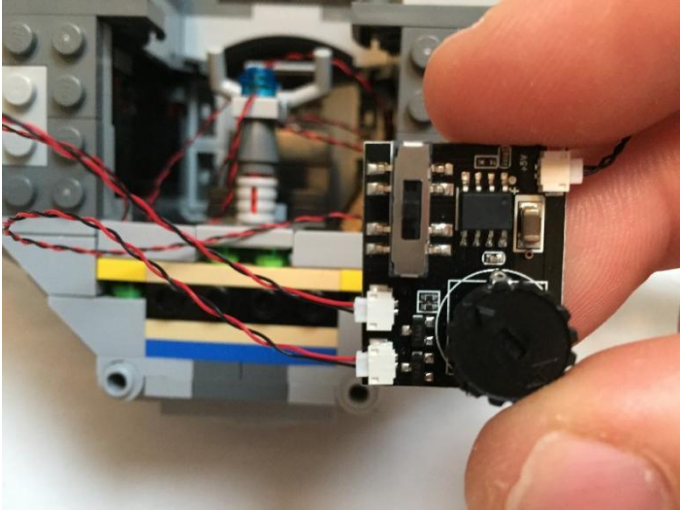
Install a dot light on the other side of the ship in the same fashion as we did this one.



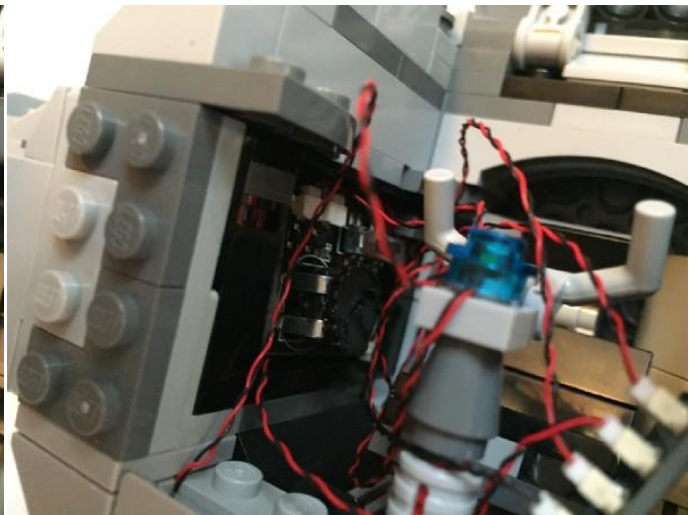
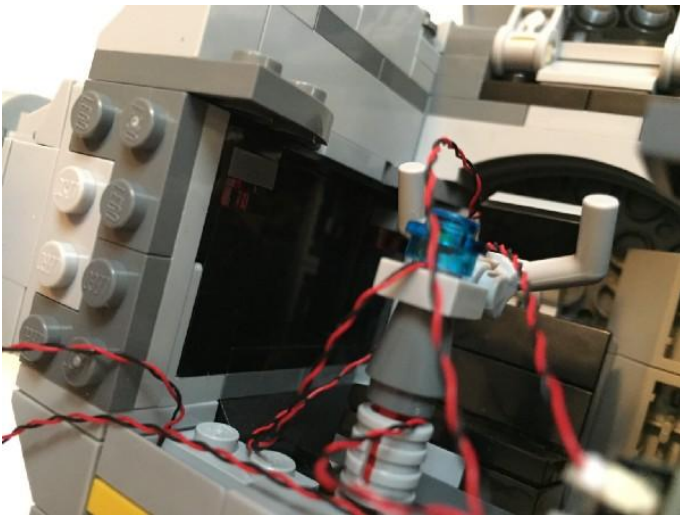
**47.**Once lights are installed on both sides, check that the plates on the bottom of the ship are still neatly joined together and close pieces together where necessary.



**48.** Grab the Multi-Effect Board and the 5cm Connecting Cable. Plug one end of the 5cm Connecting Cable into the Multi-Effect Board and the other end into an available port on the 6 Port Expansion Board.

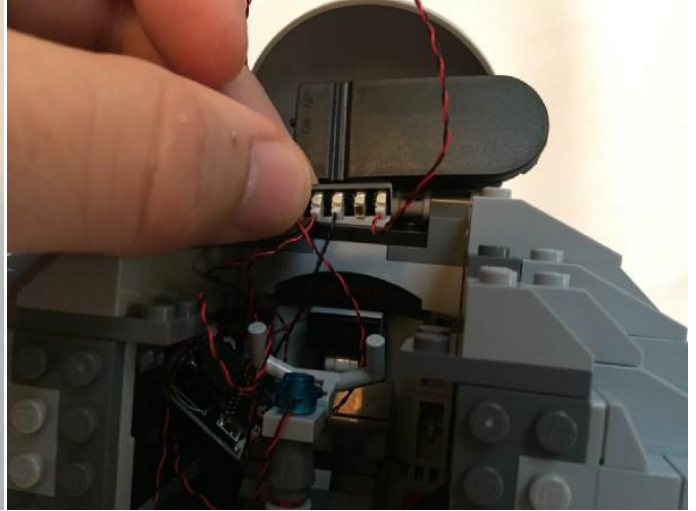
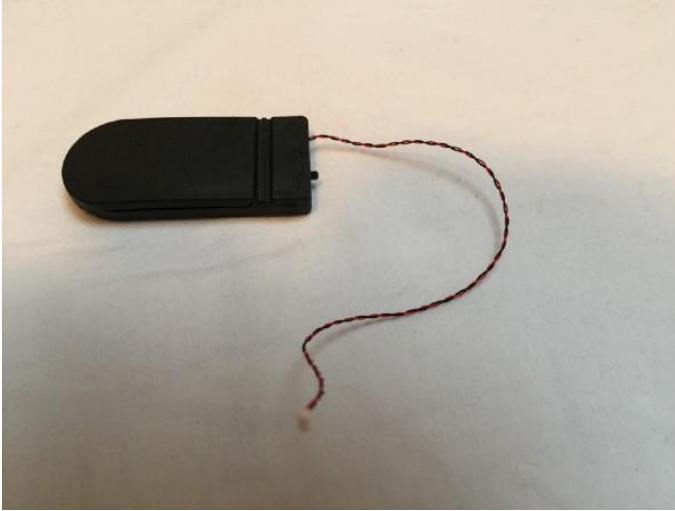


**49.** Connect the two White 15cm Dot Lights installed in the front of the ship to the Multi-Effect Board.

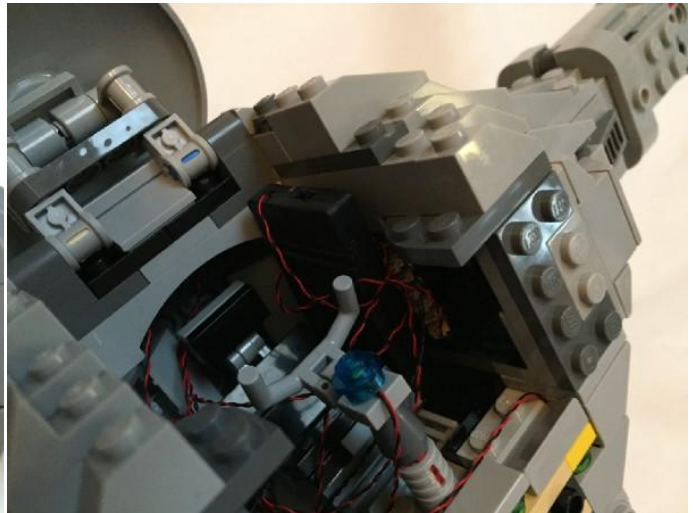
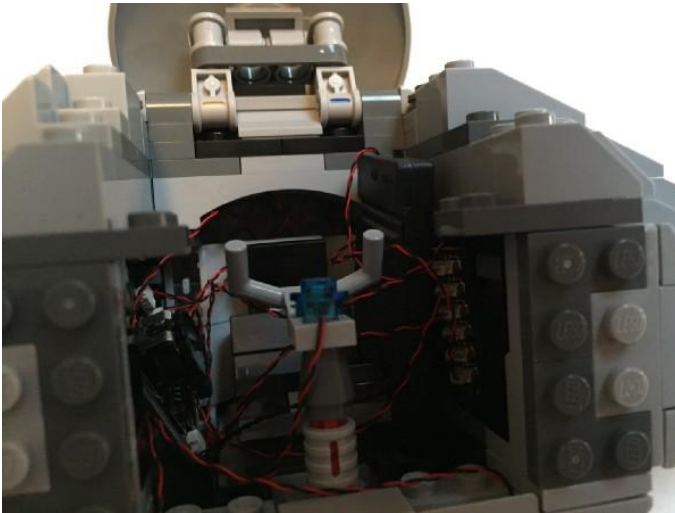


**50.** Slide the Multi-Effect Board into the left hand side of the ship (as it is facing now).

There is a cavity in the wall that the effect board can sit in or in front of.



**51.** Grab the Flat Battery Pack and connect it to the 6 Port Expansion Board.





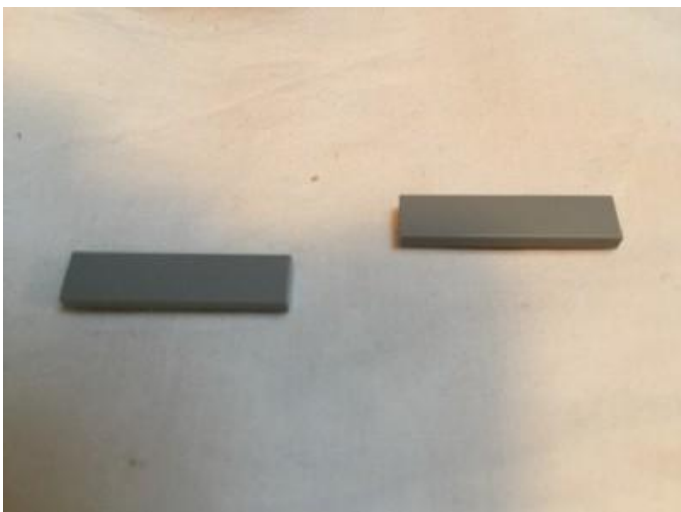
**52.**Place the 6 Port Expansion Board into the cavity on the right hand side of the cockpit and slide the Battery Pack down next to it (with the switch facing up towards the hatch).



**53**



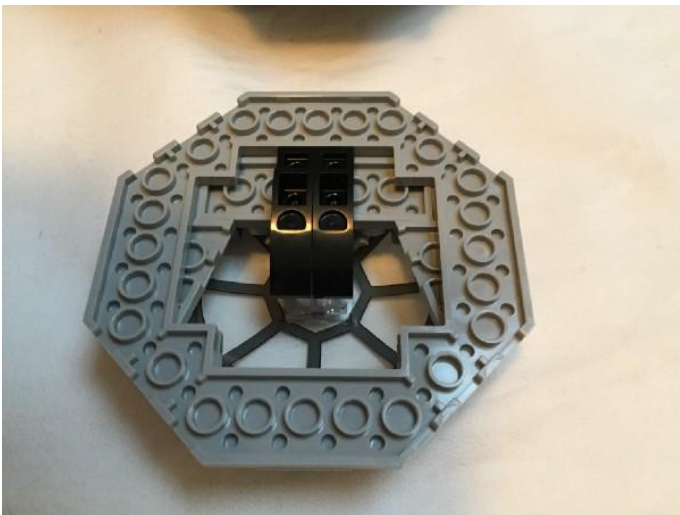
**54.**Reattach the arch piece to the front, top of the cockpit.



**55**



**56.** Reattach the 1 x 4 tiles to either side of where the hatch closes.



**57**



**58.** Reattach the octagonal piece to the front of the ship.



**59.** Reconnect the trans red lampshade

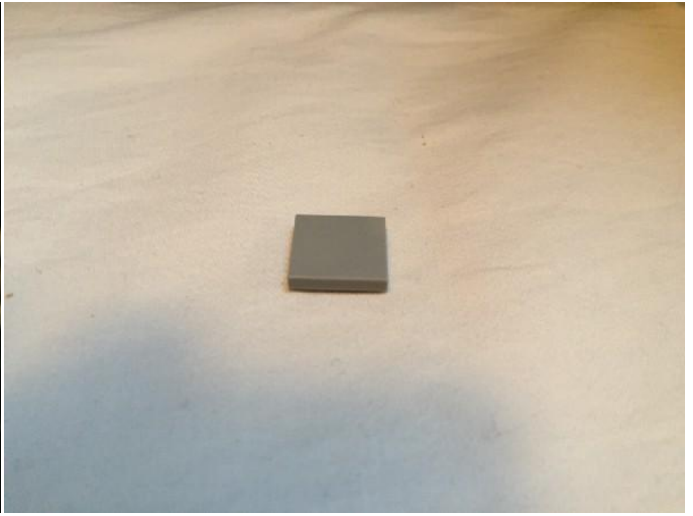
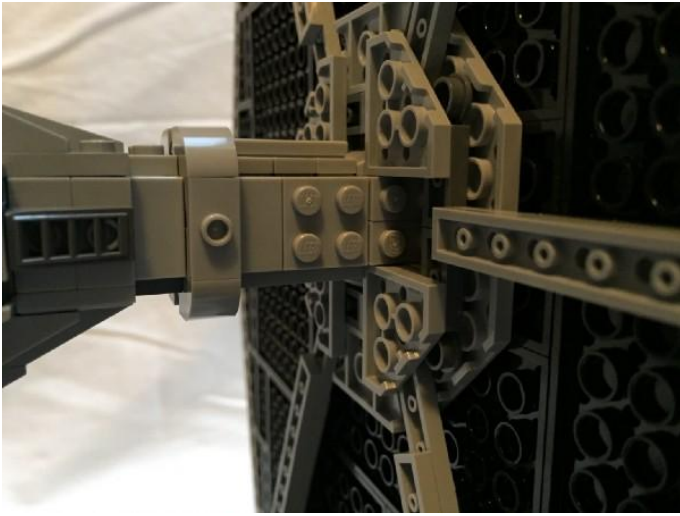


**60**

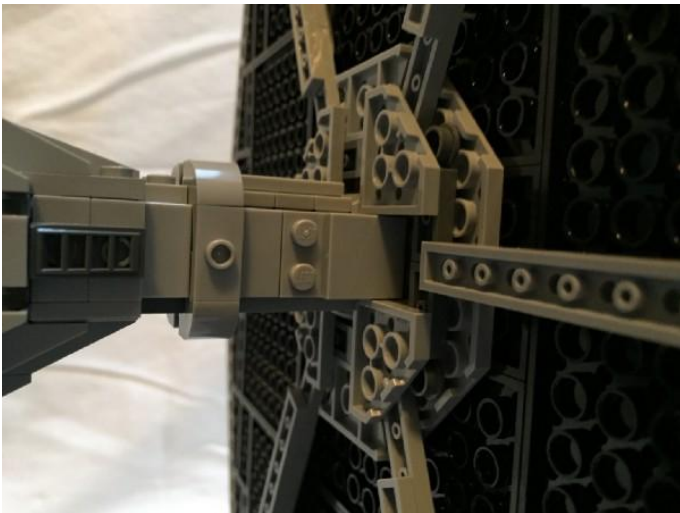


**61.** Put the ship back on the stand and get ready to reattach the wings.

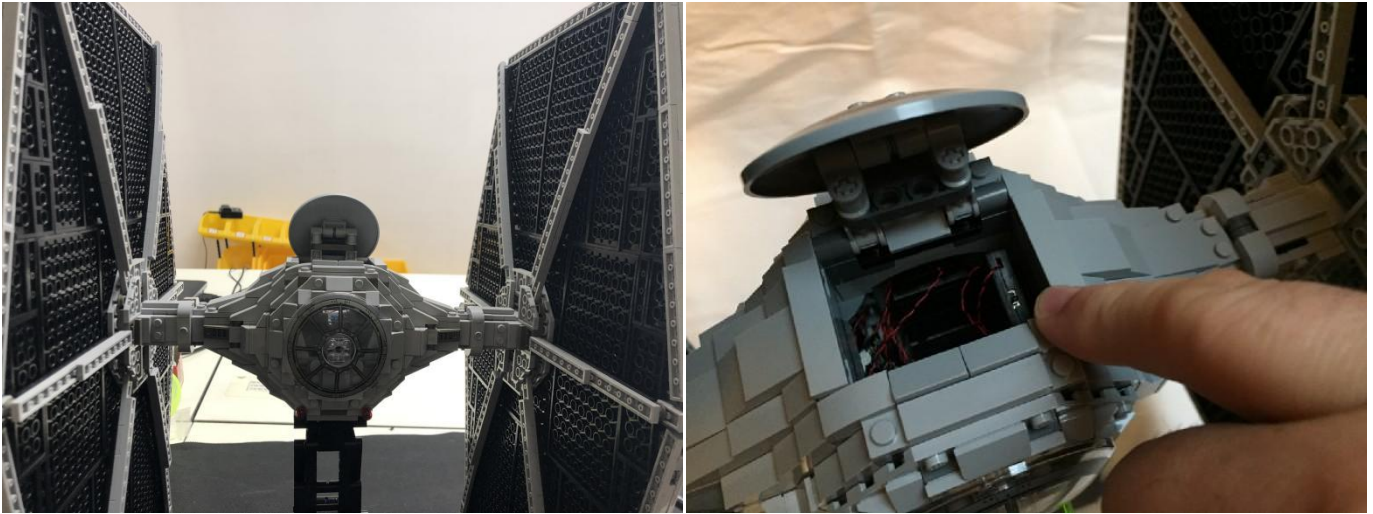
Feel free to attach the wings with the ship off the stand if you want to.



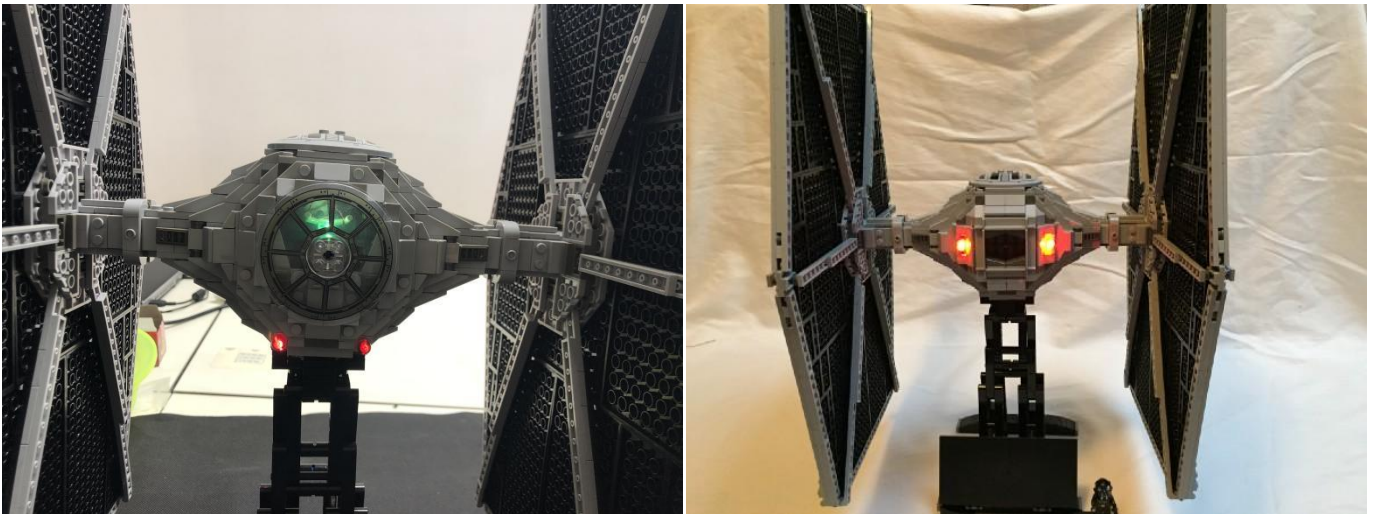
**62**



**63.** Once the hinged pieces are clipped back on, reattach the 2 x 2 tile and the pieces that have the 1 x 2 dark grey modified plate with door rail.



**64.** Now you can pop the hatch open, turn the power on and enjoy the lights!



65



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

