

UCS TIE FIGHTER # 75095

Package contents:

- 5x Warm White 15cm Dot Lights
- 1x 5cm Connecting Cable
- 1x 6-port Expansion Board
- 1x Multi-Effect Board
- 1x Flat Battery Pack (Requires 2x CR2032 Batteries)

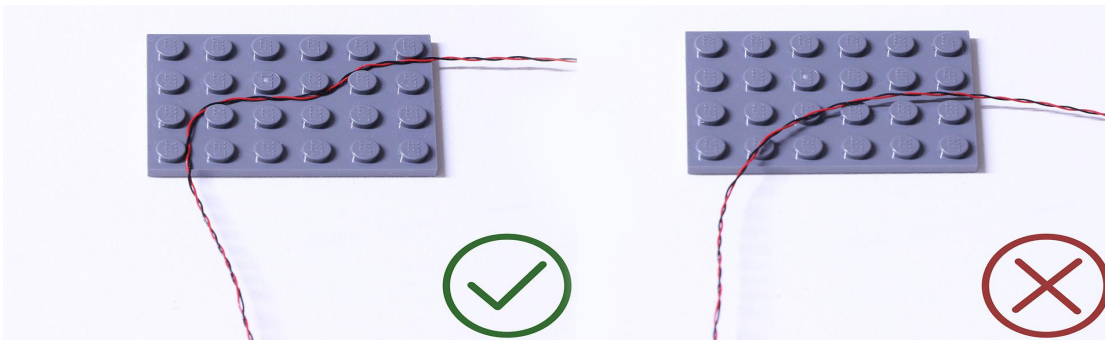
Extra Plate Pieces

- 1x Trans-Blue 1 x 1 Round Plate

Note:

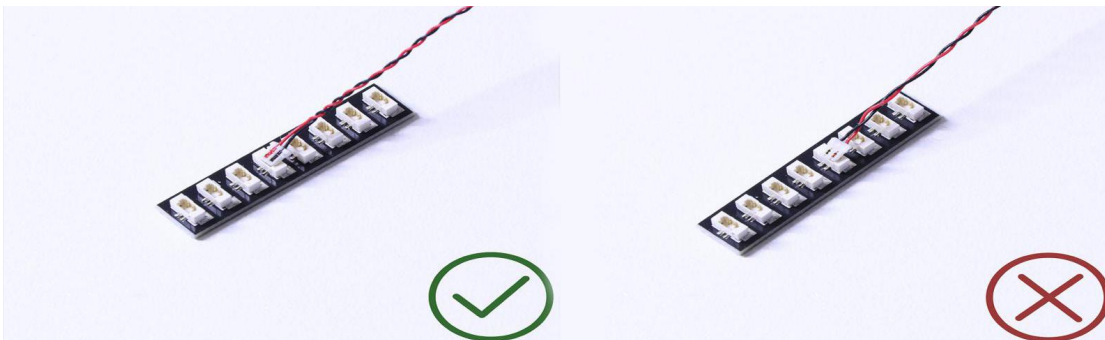
Place wires on the surface or under the LEGO building blocks.

The wire can be placed between the building blocks or under the block, but they should be placed between the studs correctly.

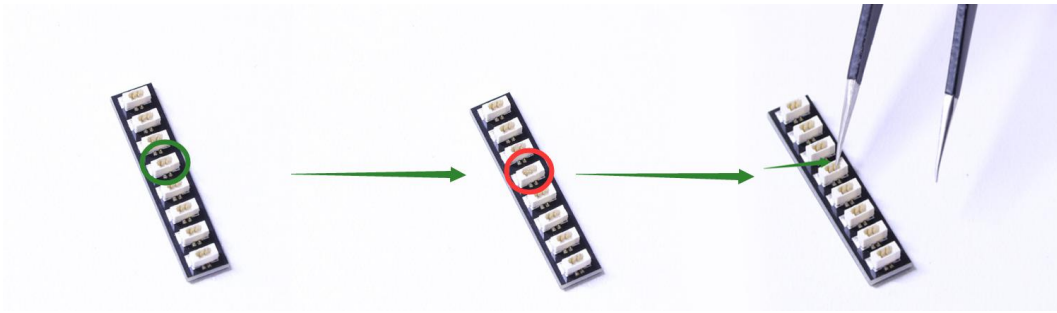


Insert the connectors to the ports.

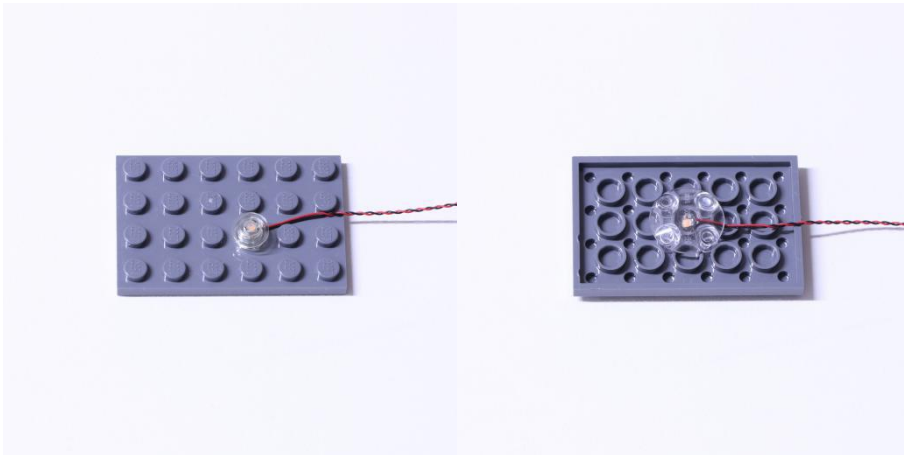
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, and don't force it, for that may result in bent pins inside the port or overheating of the expansion board.



At this point, use the tweezers to straighten the bent pins.

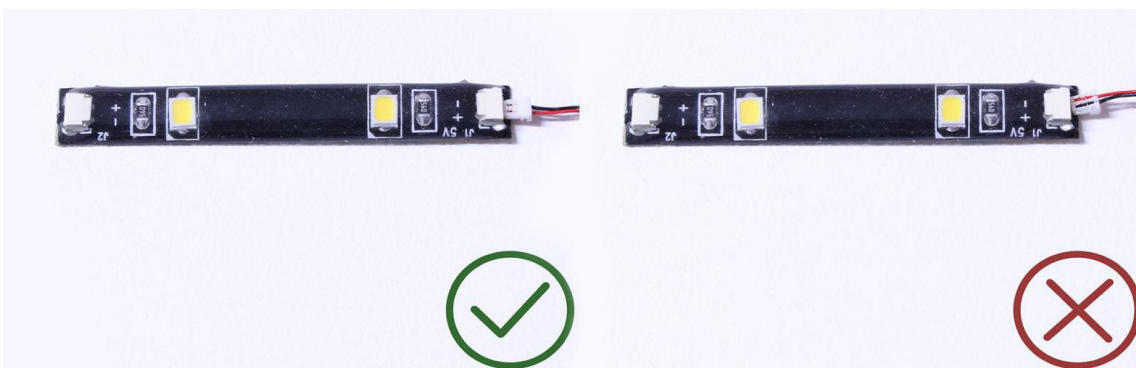


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

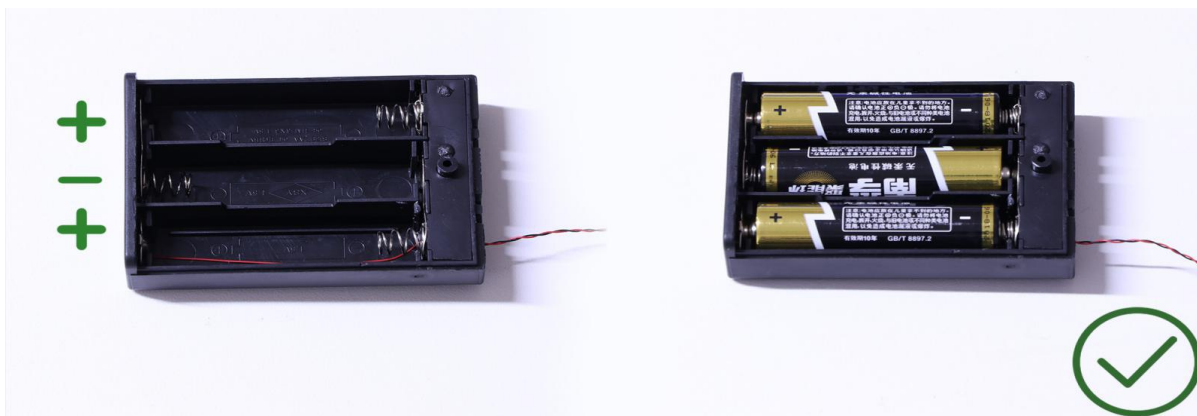


Connecting cable connectors to Strip Lights

Take extra care when inserting connectors to ports on the Strip Lights. Connectors can be inserted only one way. With the Strip Light facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, don't force it. Doing so will damage the plug and the connector.

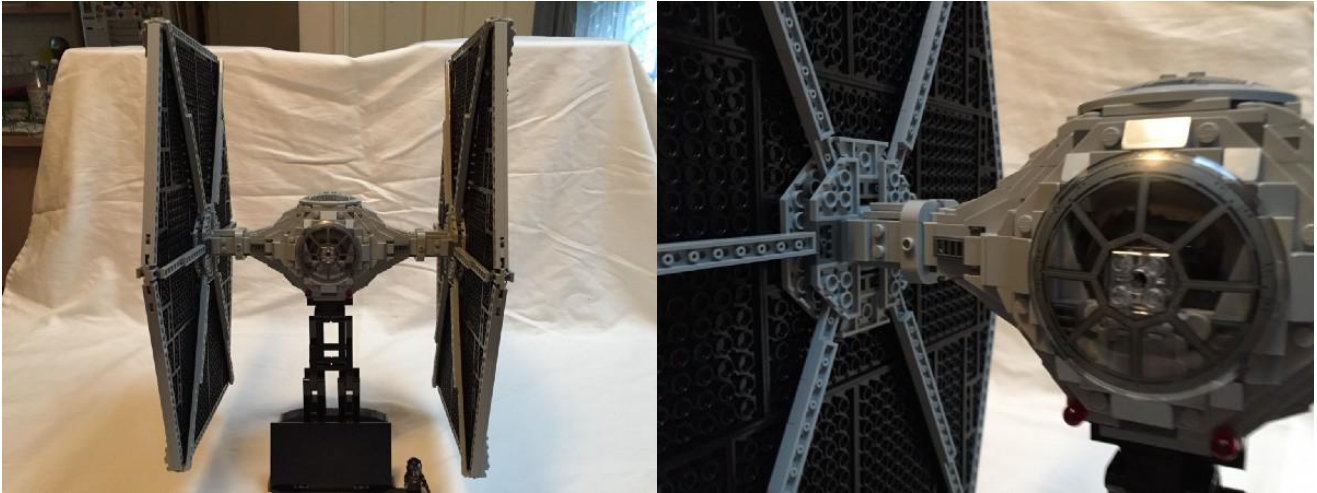


Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.

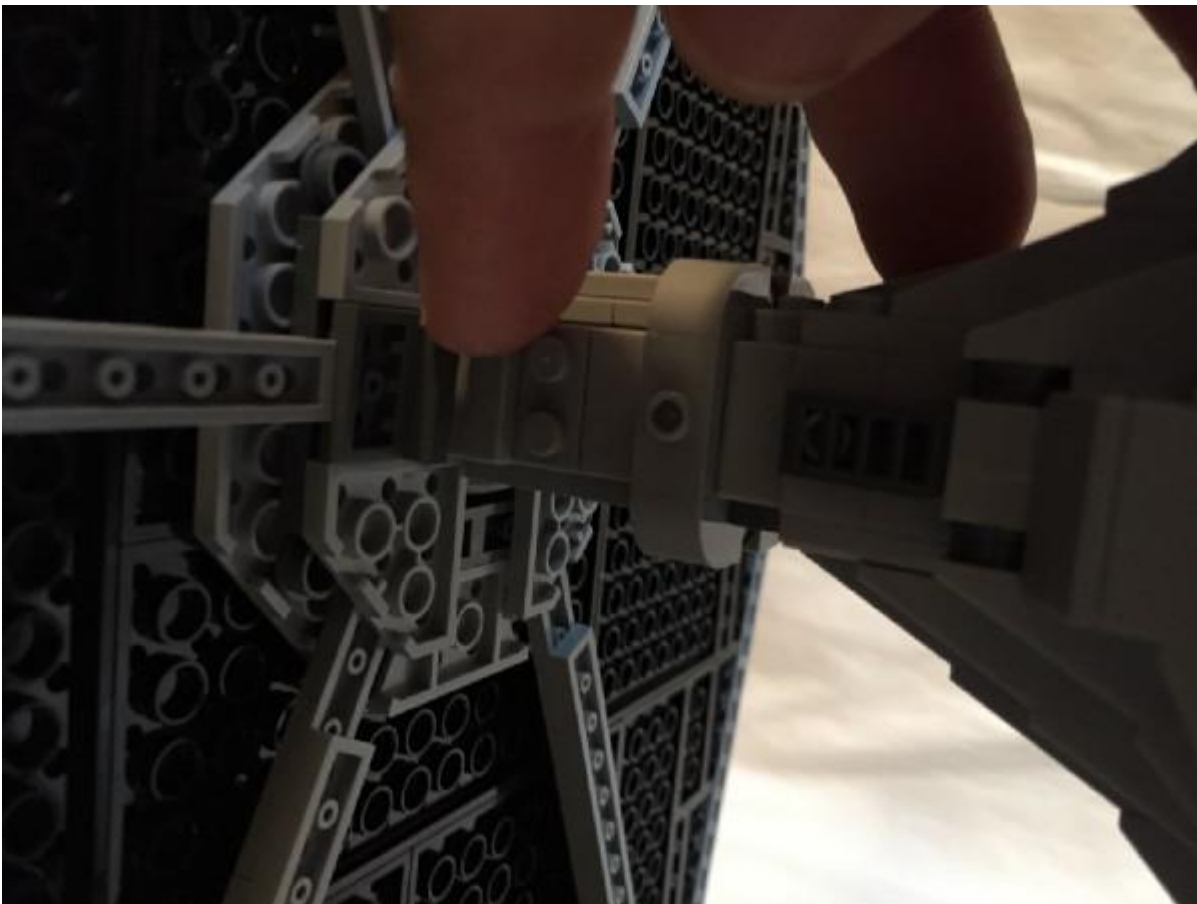


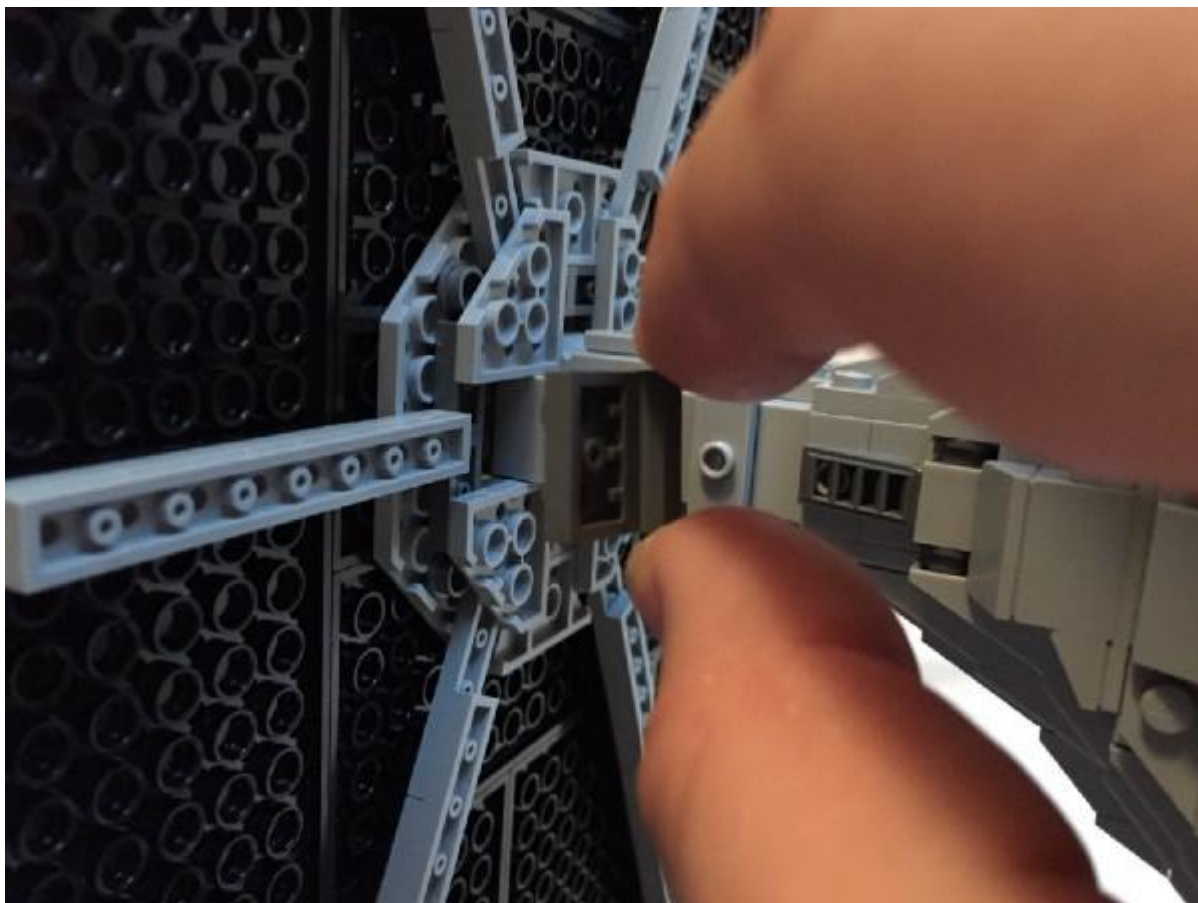
OK, Let's Begin!

Instructions for installing this kit

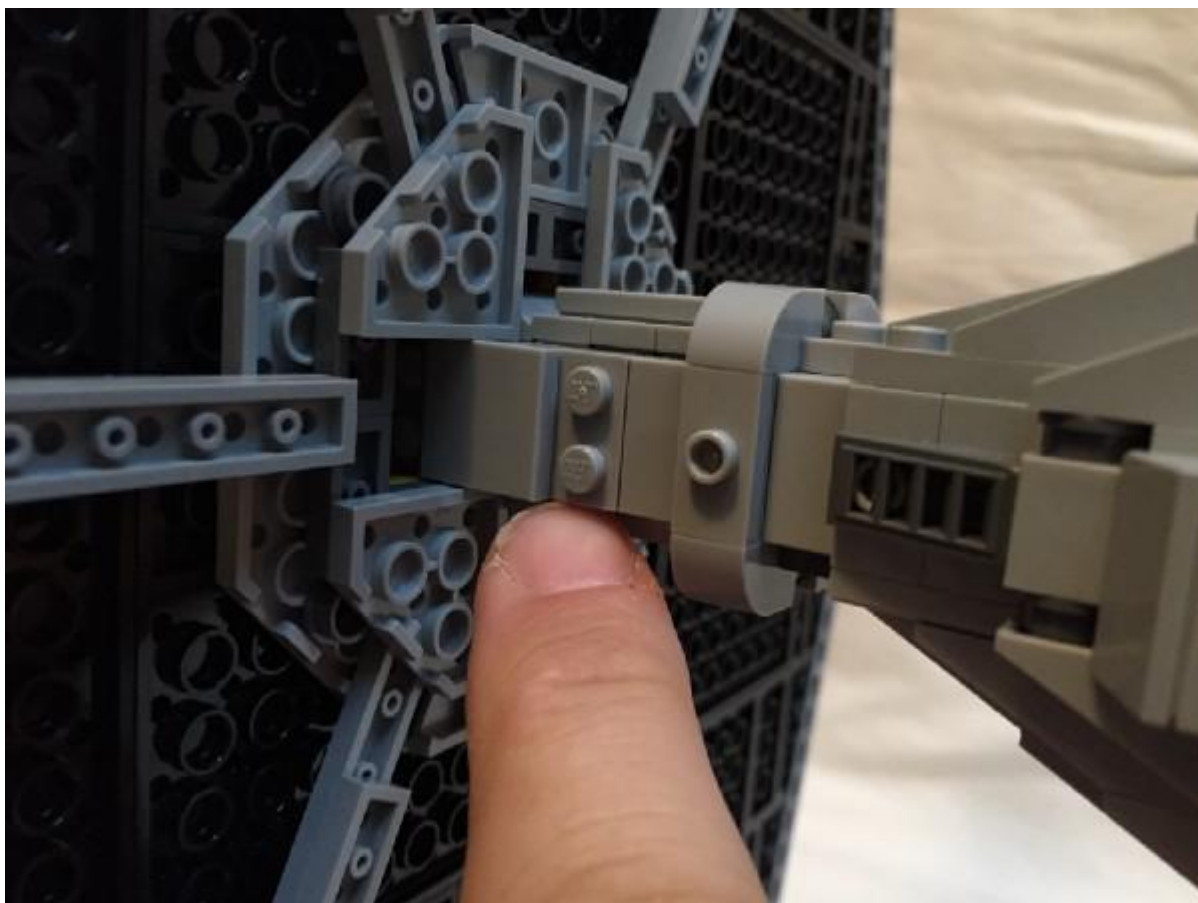


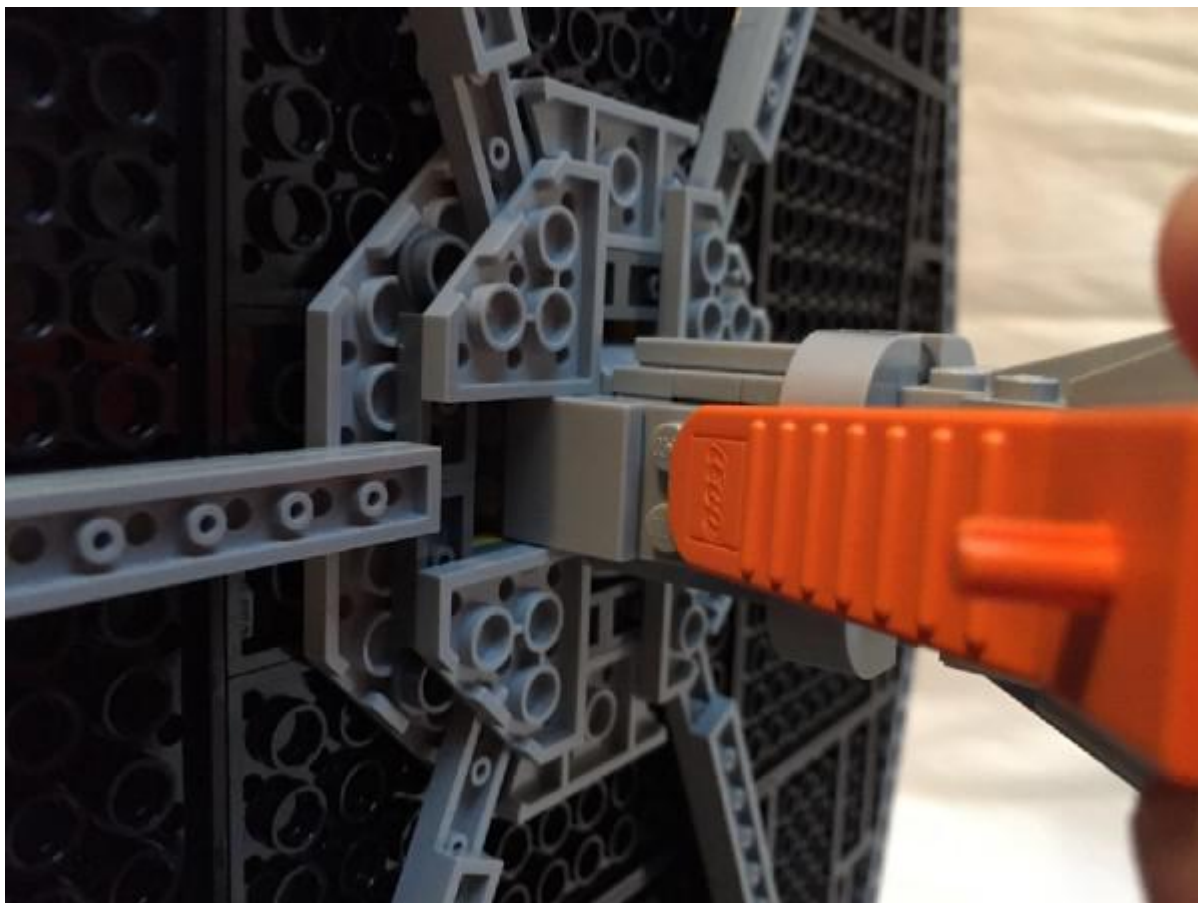
We need to start by taking the wings off.



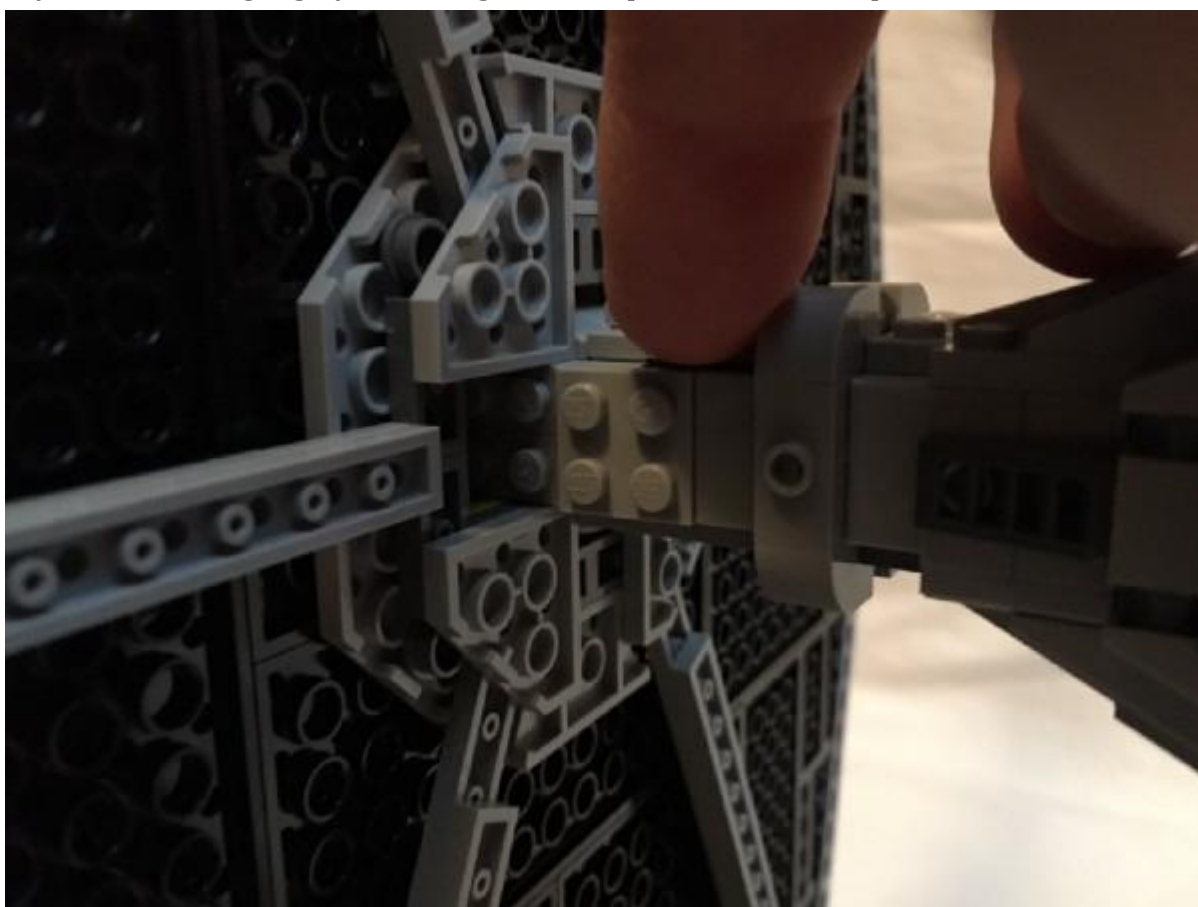


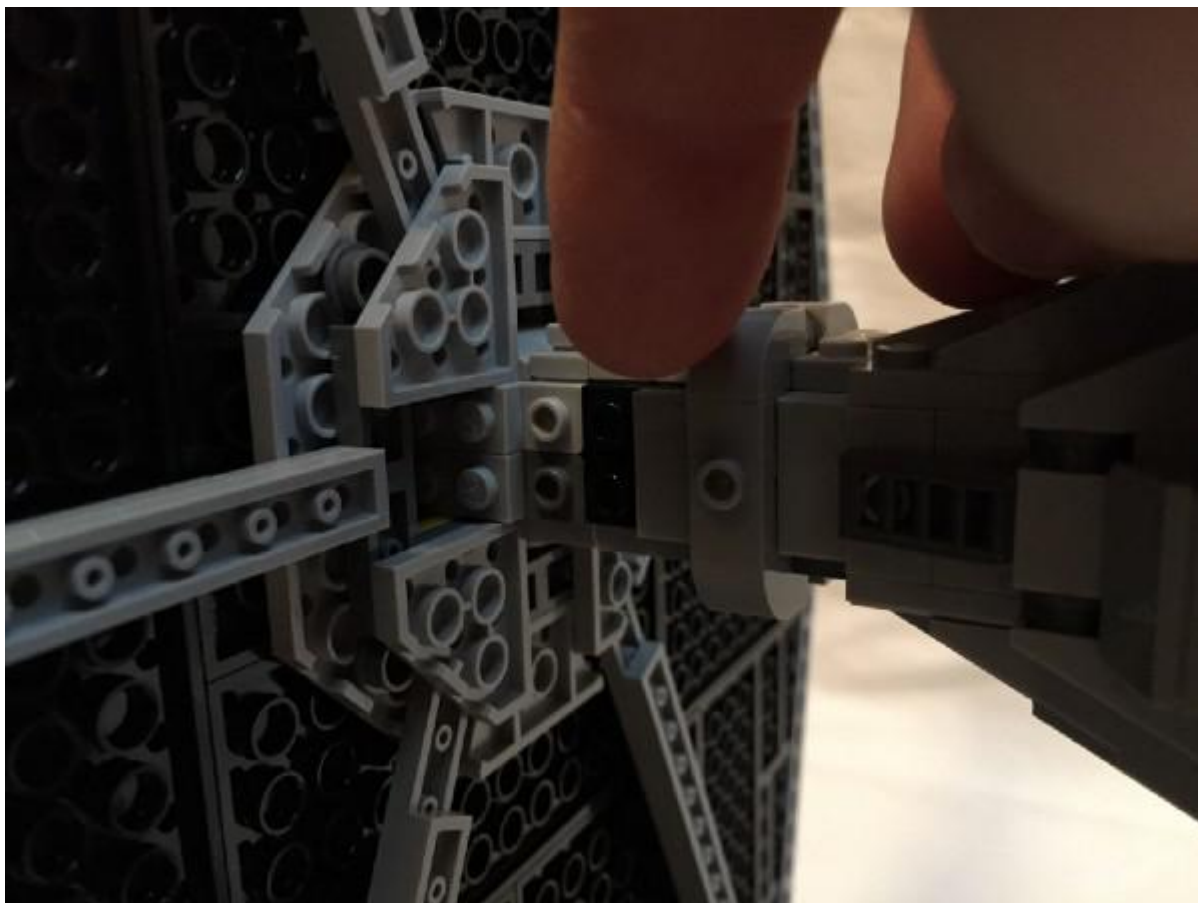
Remove pieces in reverse order to the way they were installed.
Pull the dark grey modified plate with door rail towards the centre of the ship.



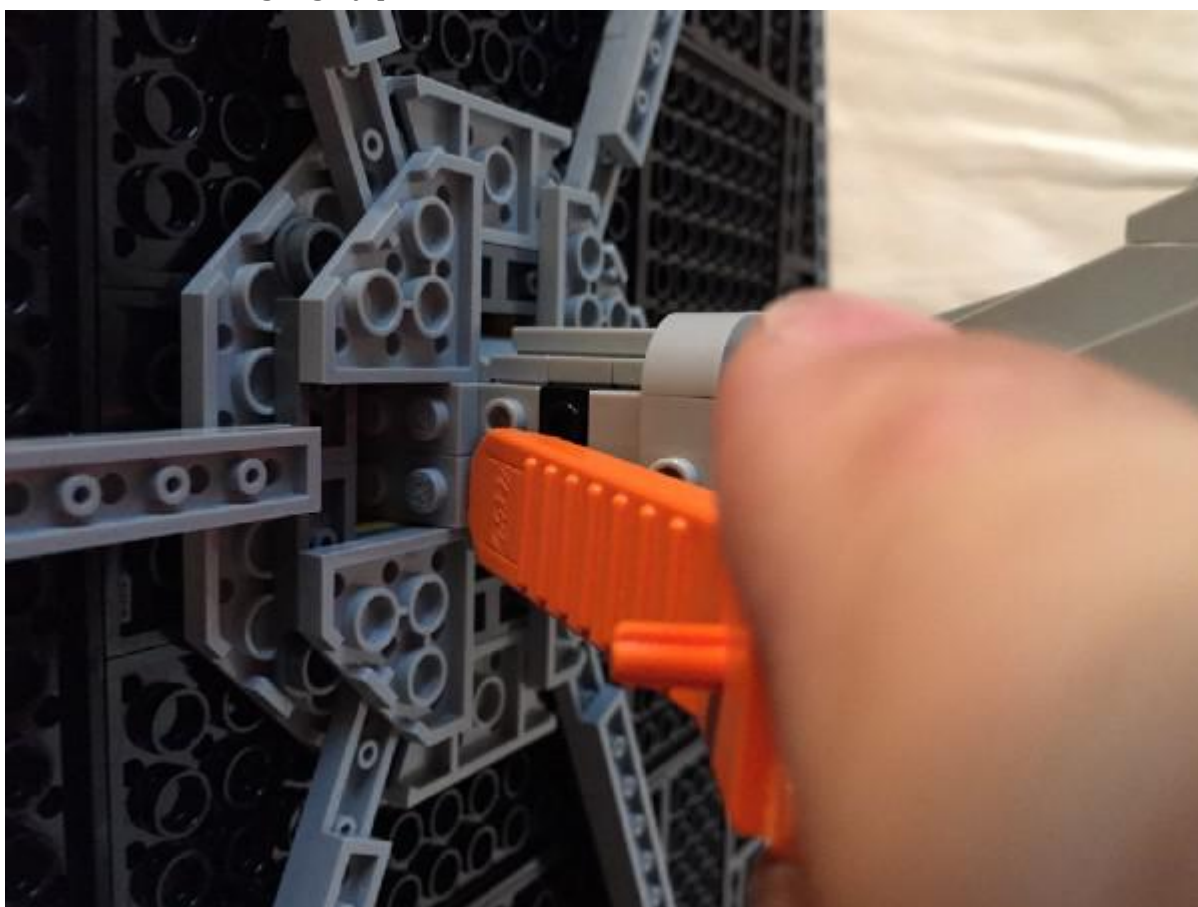


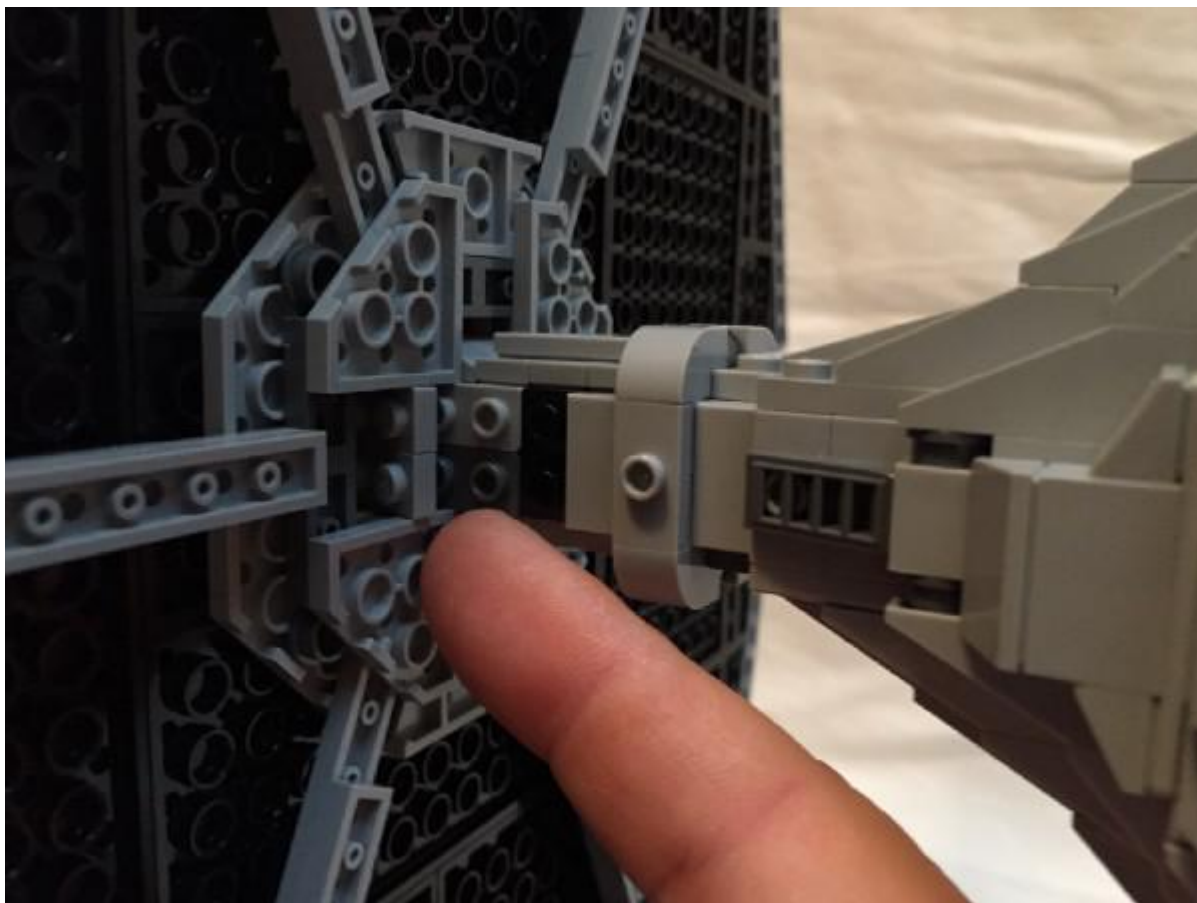
Pry off the 2 x 2 light grey tile. Using a brick separator can be helpful.



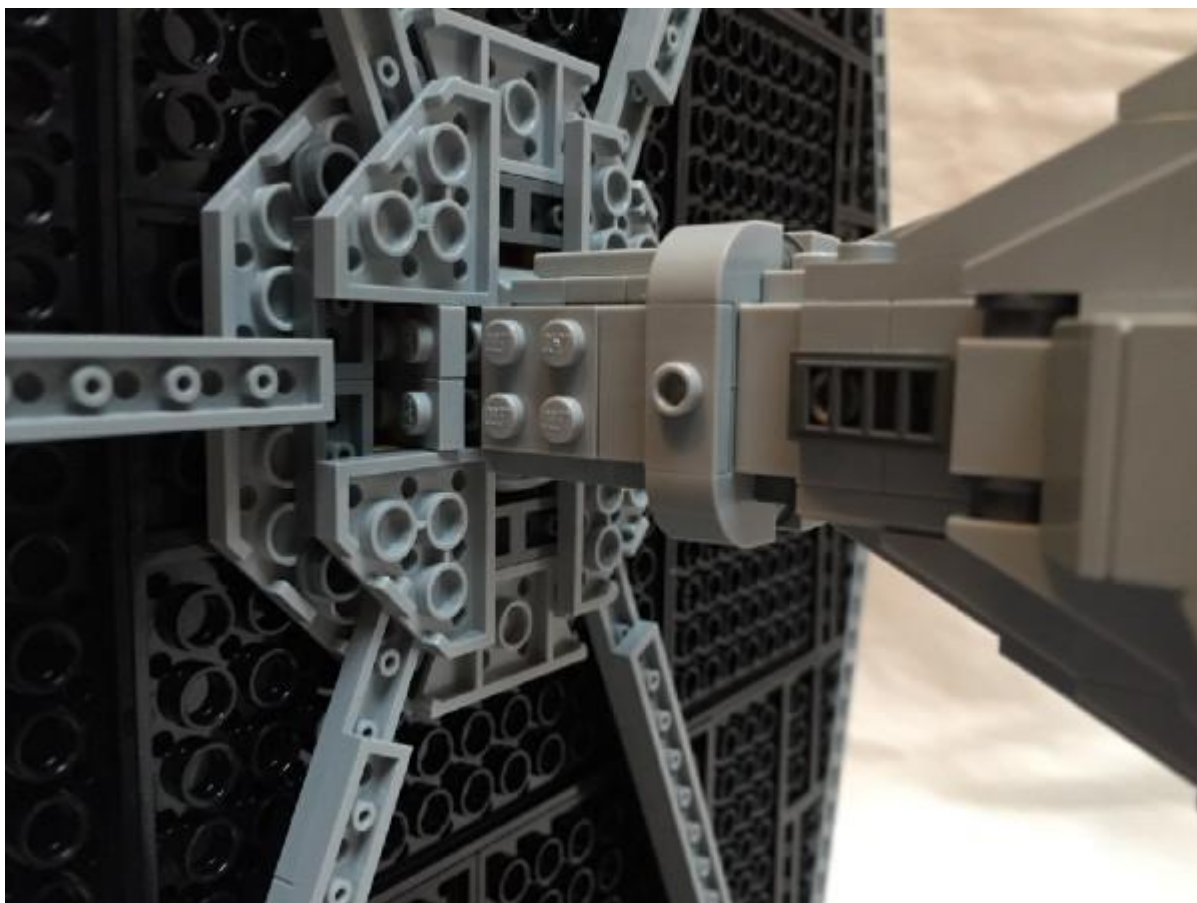


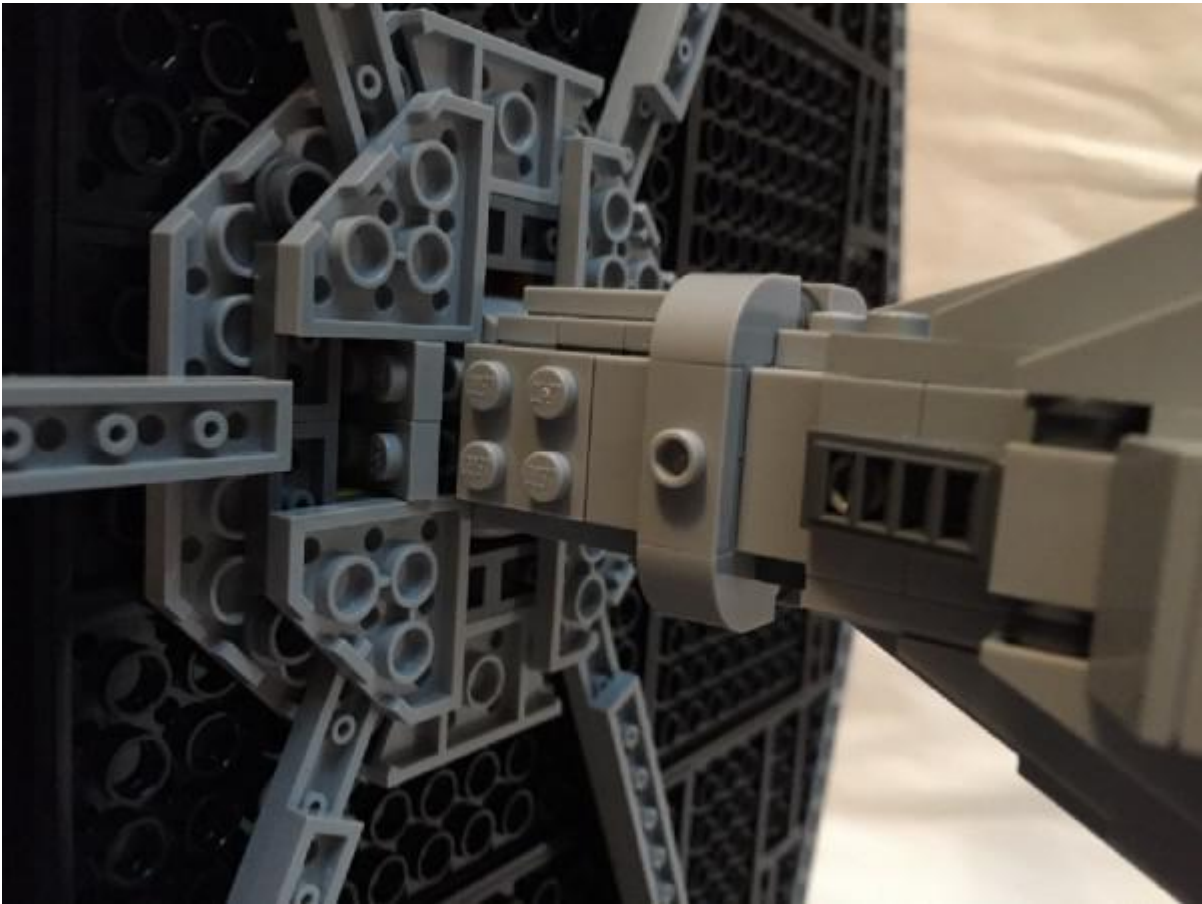
Remove the 2 x 2 light grey plate.





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.





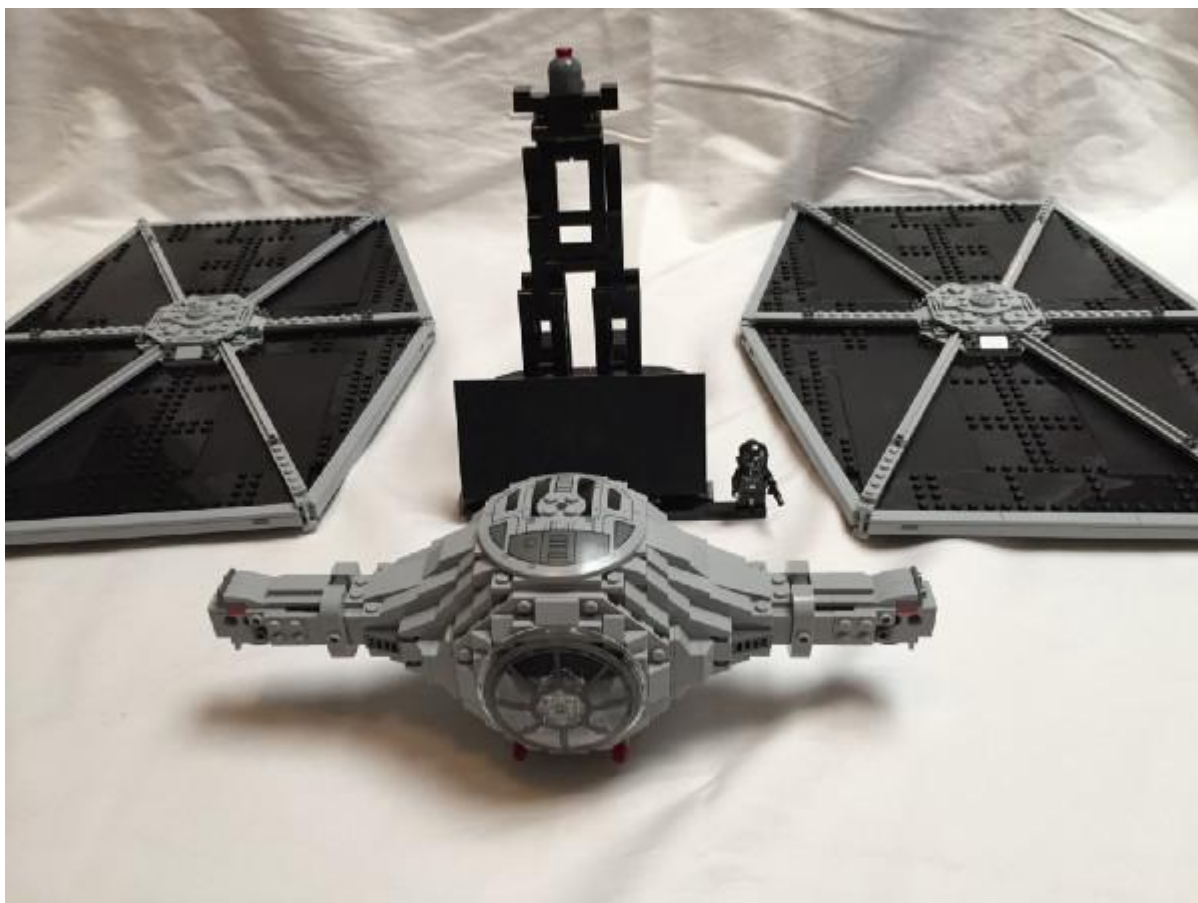
At this point I like to replace the light grey 2 x 2 plate so I don't lose it :-)





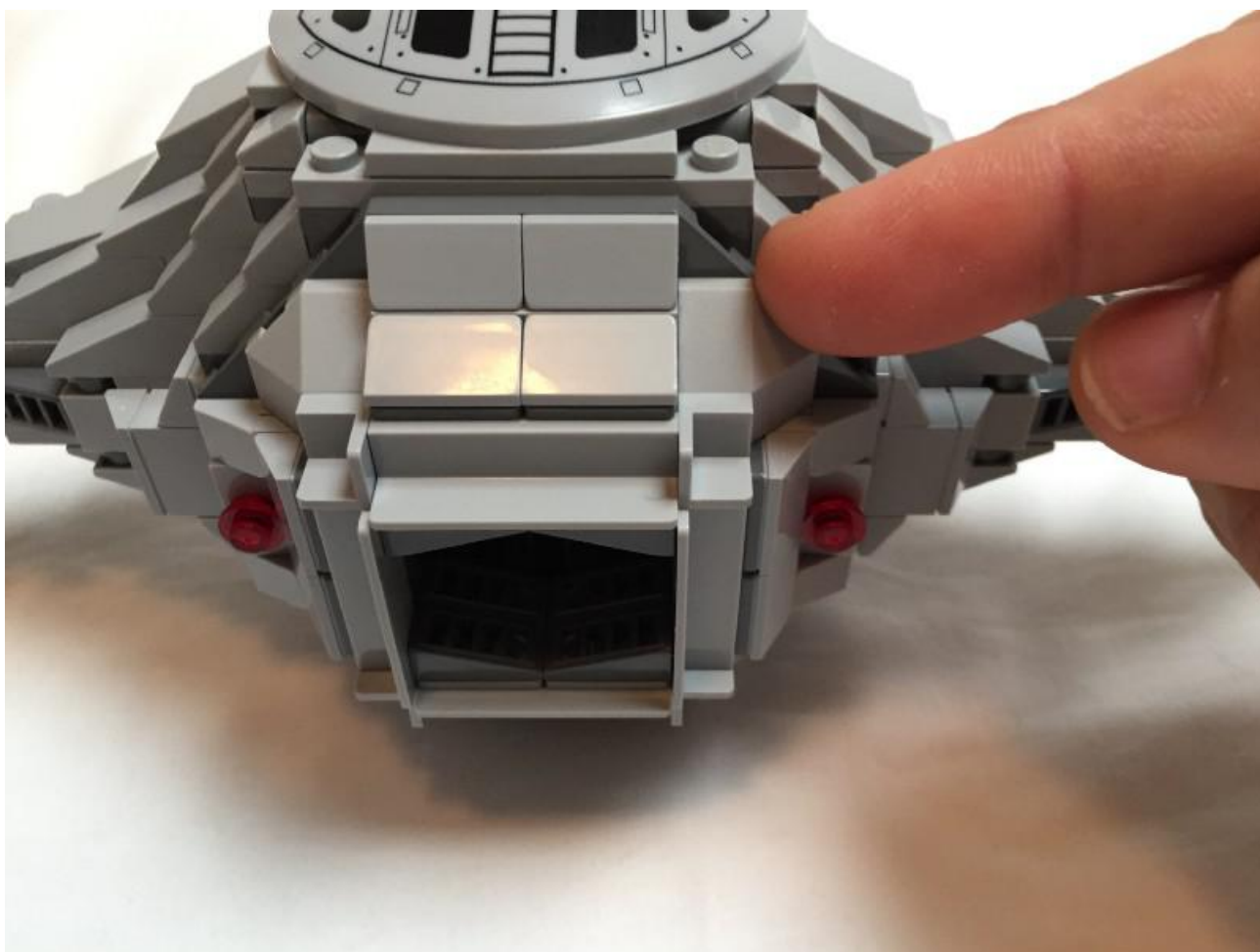
Once you have repeated the above steps for the front and back of each wing, you can carefully lift them off.

Remember that they are quite heavy and the ship will be easily unbalanced if you just take one off without counterbalancing the other one.

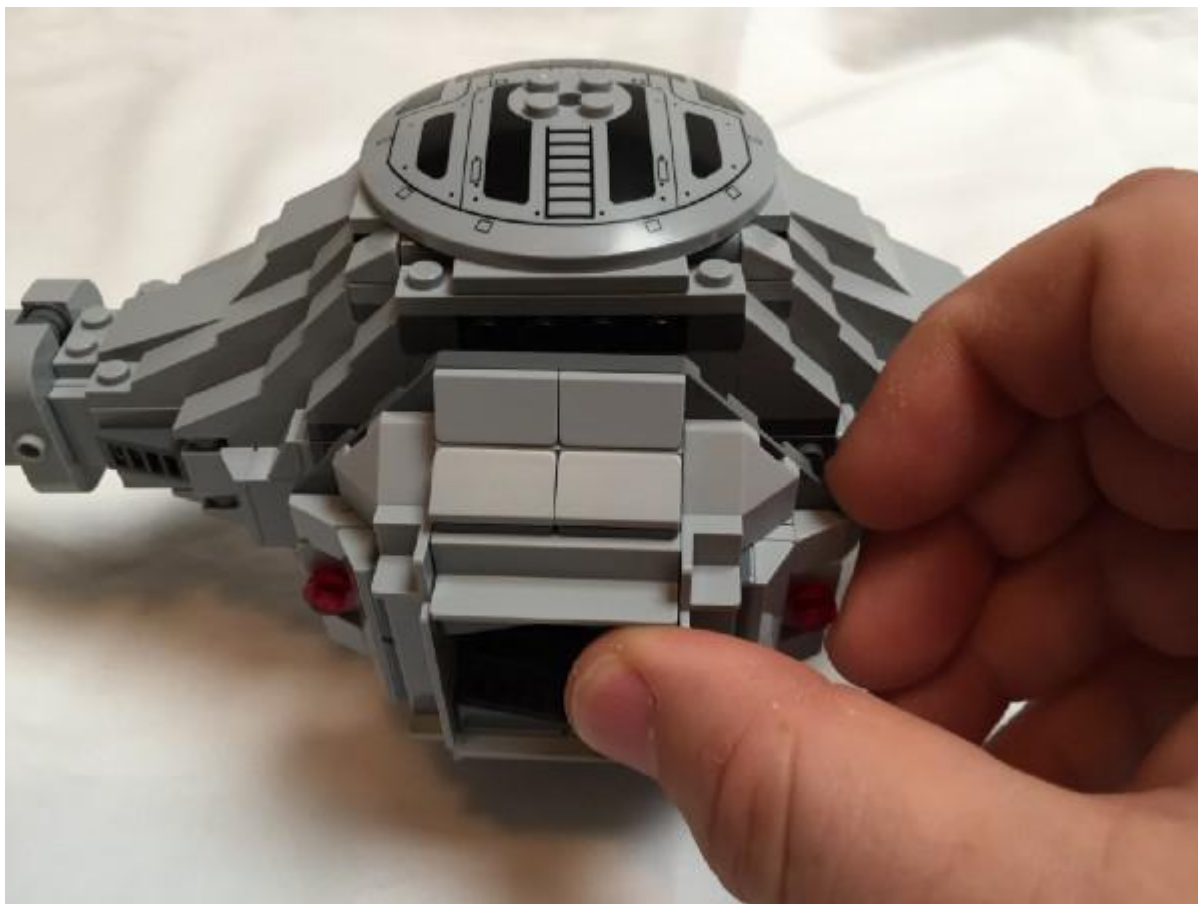




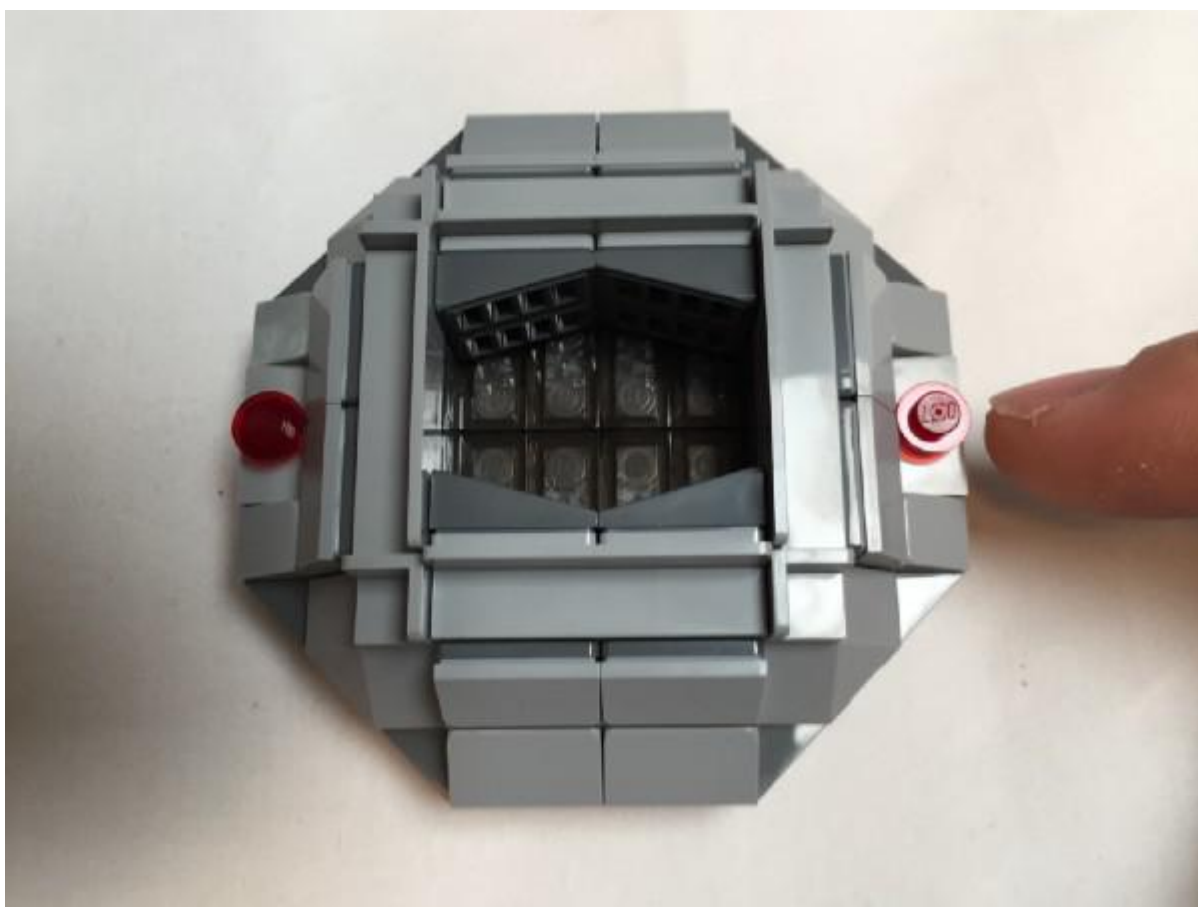
Pull the main part of the ship off the stand and turn the back towards you.



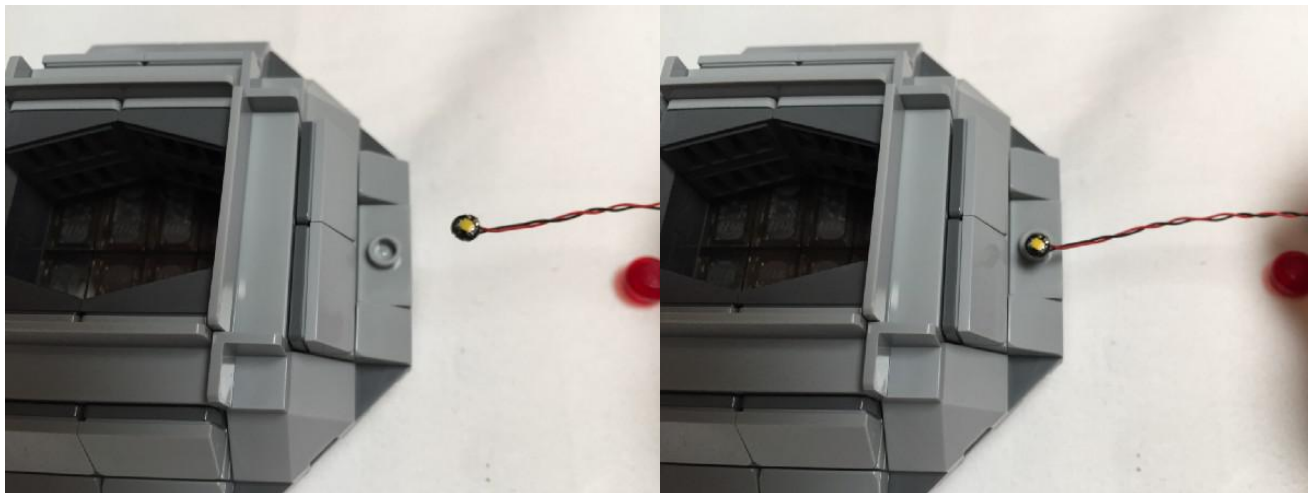
Look for the dark grey octagon shaped piece.



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

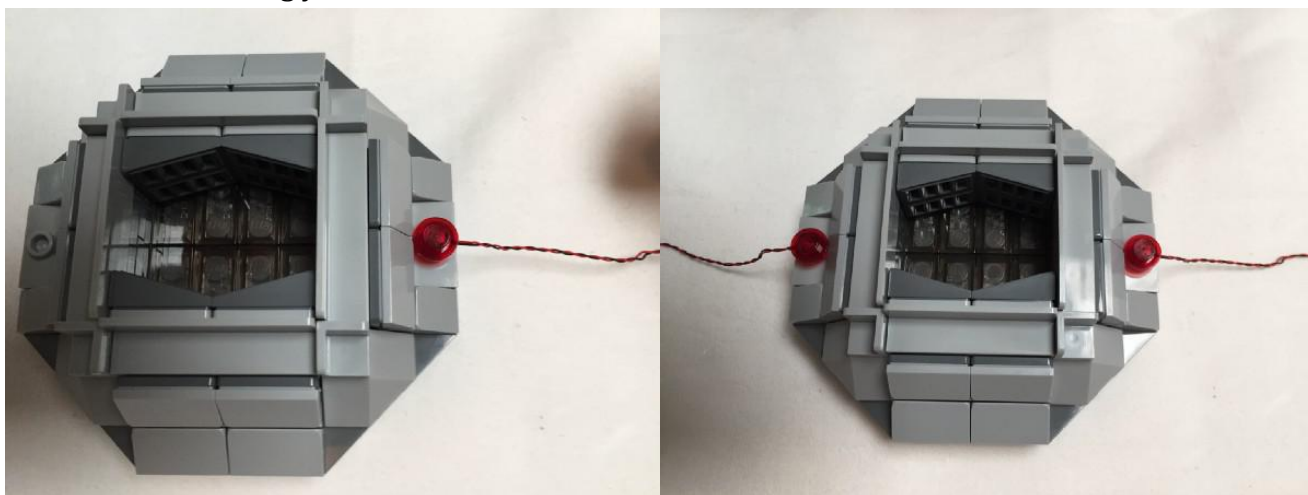


Grab a White 15cm Dot Light. Locate the trans-red 1 x 1 round Lego plates on the back.

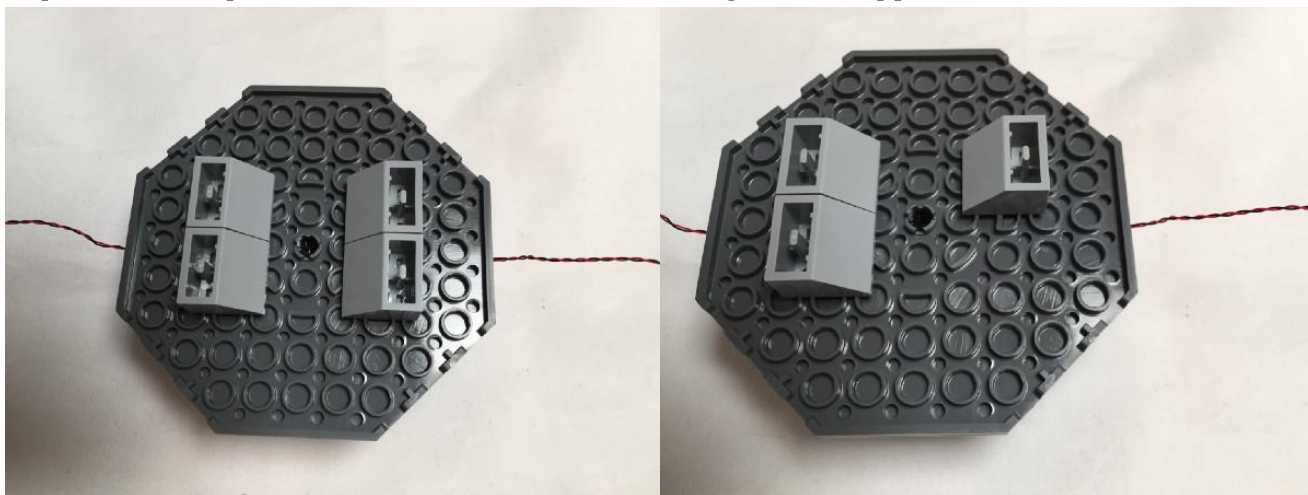


Remove the trans-red 1 x 1 round Lego plates.

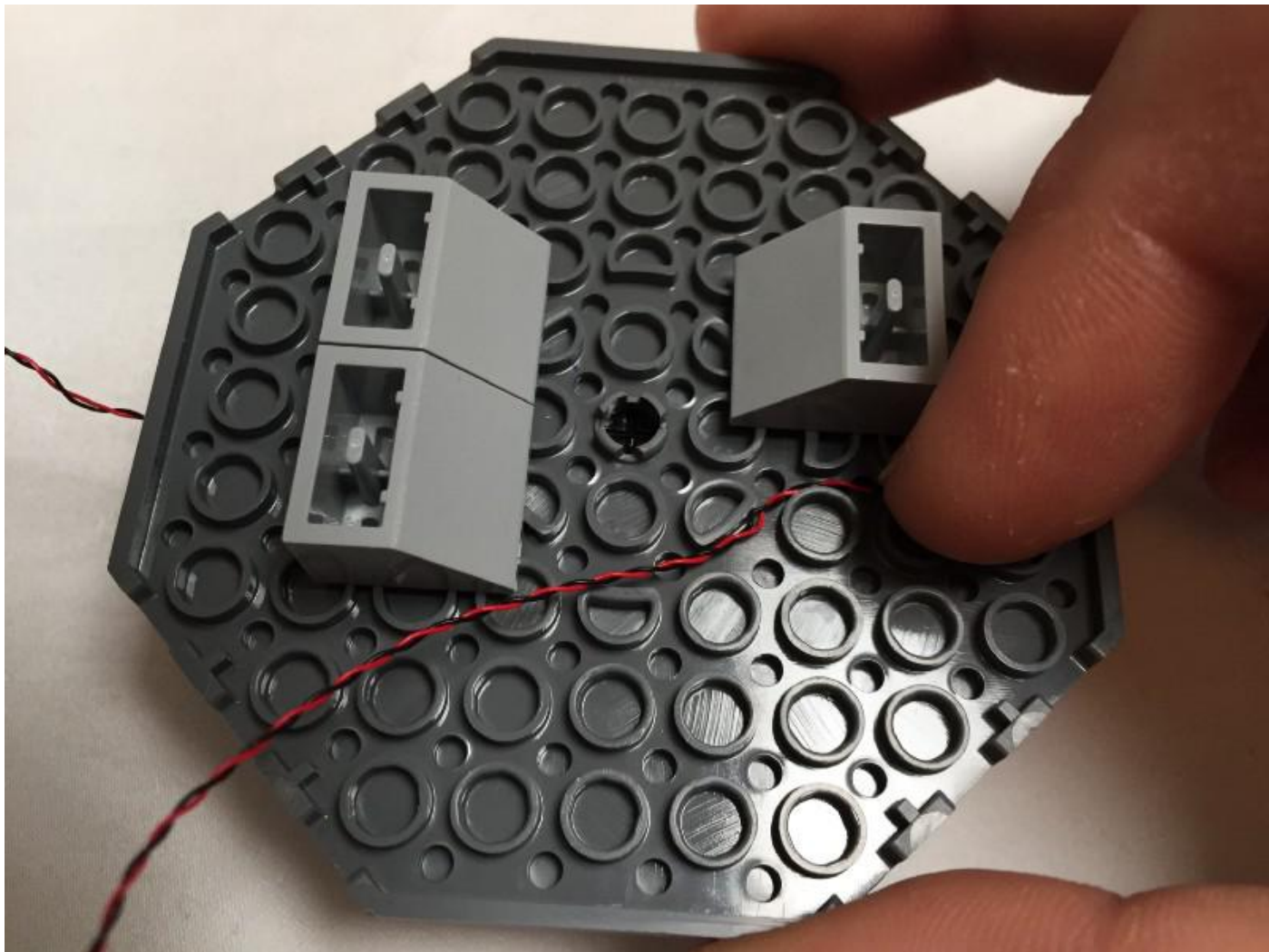
Rest the White 15cm Dot Light on top of the stud that the Lego plate came off. Make sure the yellow LED element is facing you.



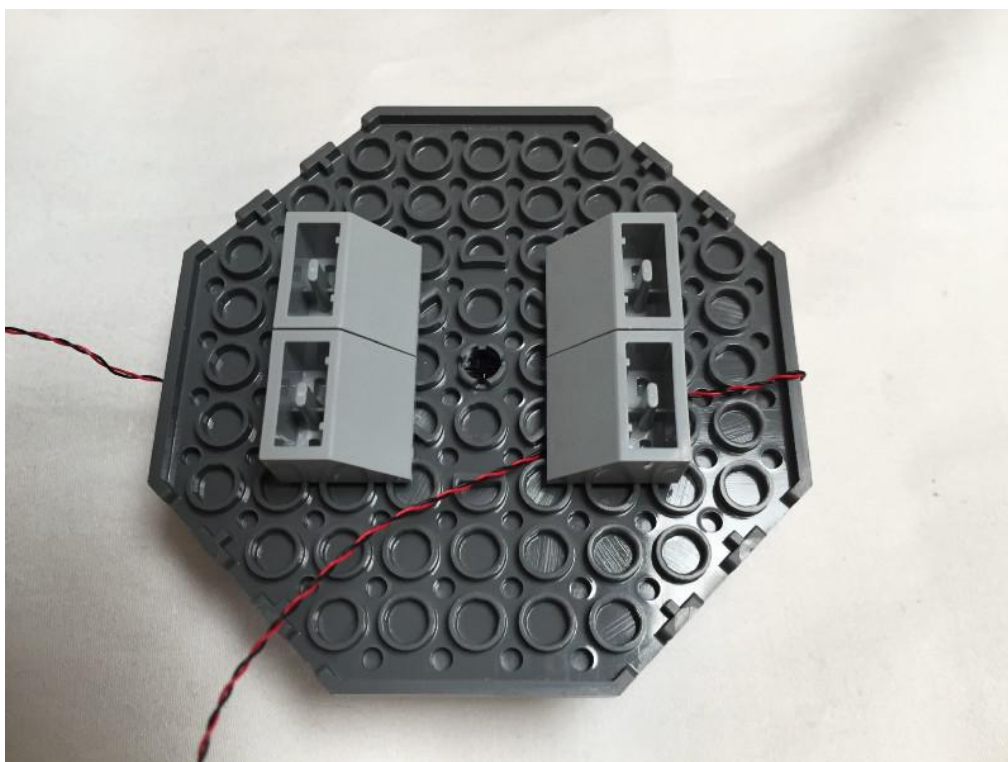
Carefully replace the trans-red 1 x 1 Lego plate over the top of the White 15cm Dot Light. Repeat these steps and fit another White 15cm Dot Light to the opposite side.



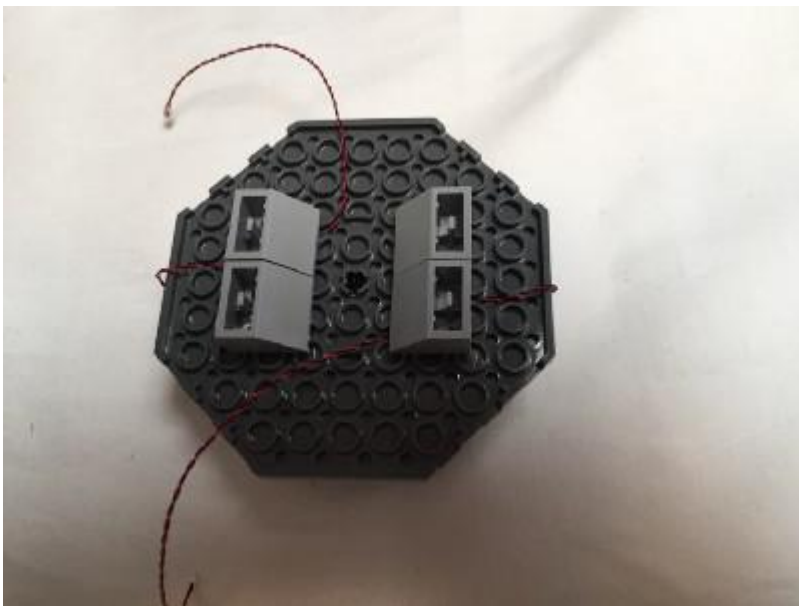
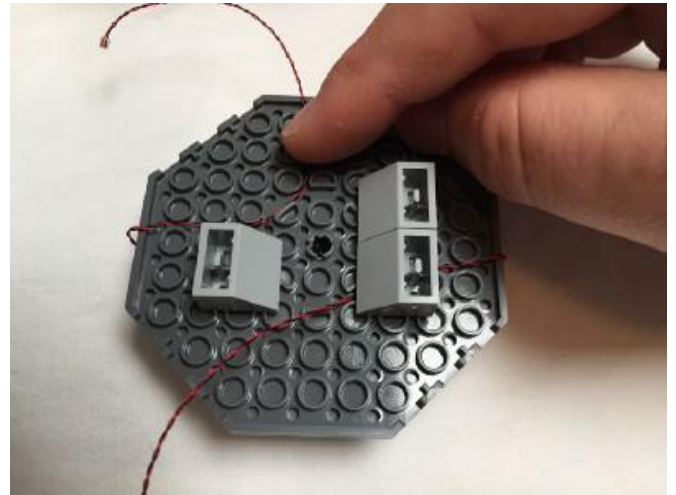
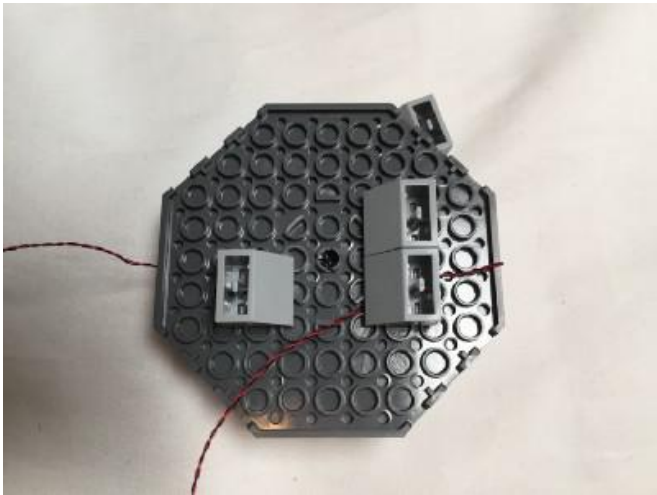
Turn the octagonal Lego piece over and remove one of the inverted slope pieces.



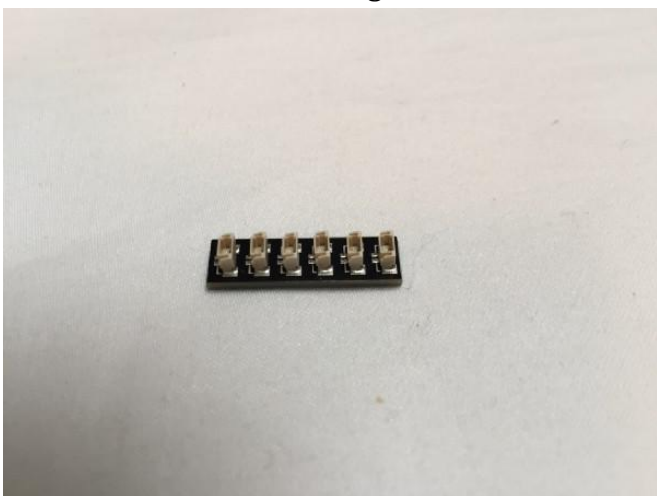
Run the White 15cm Dot Light cable towards the middle and then angled down as seen in the picture above.

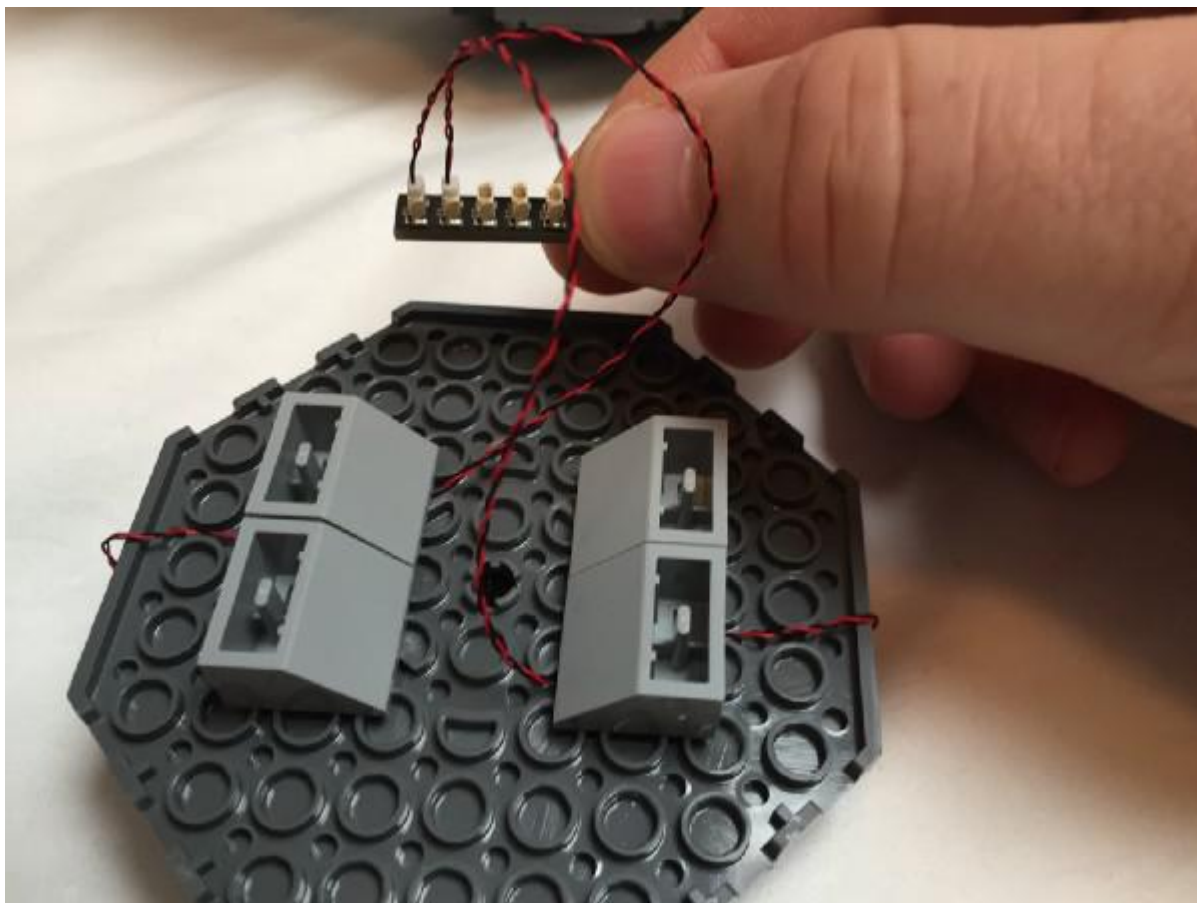


Replace the inverted slope piece.

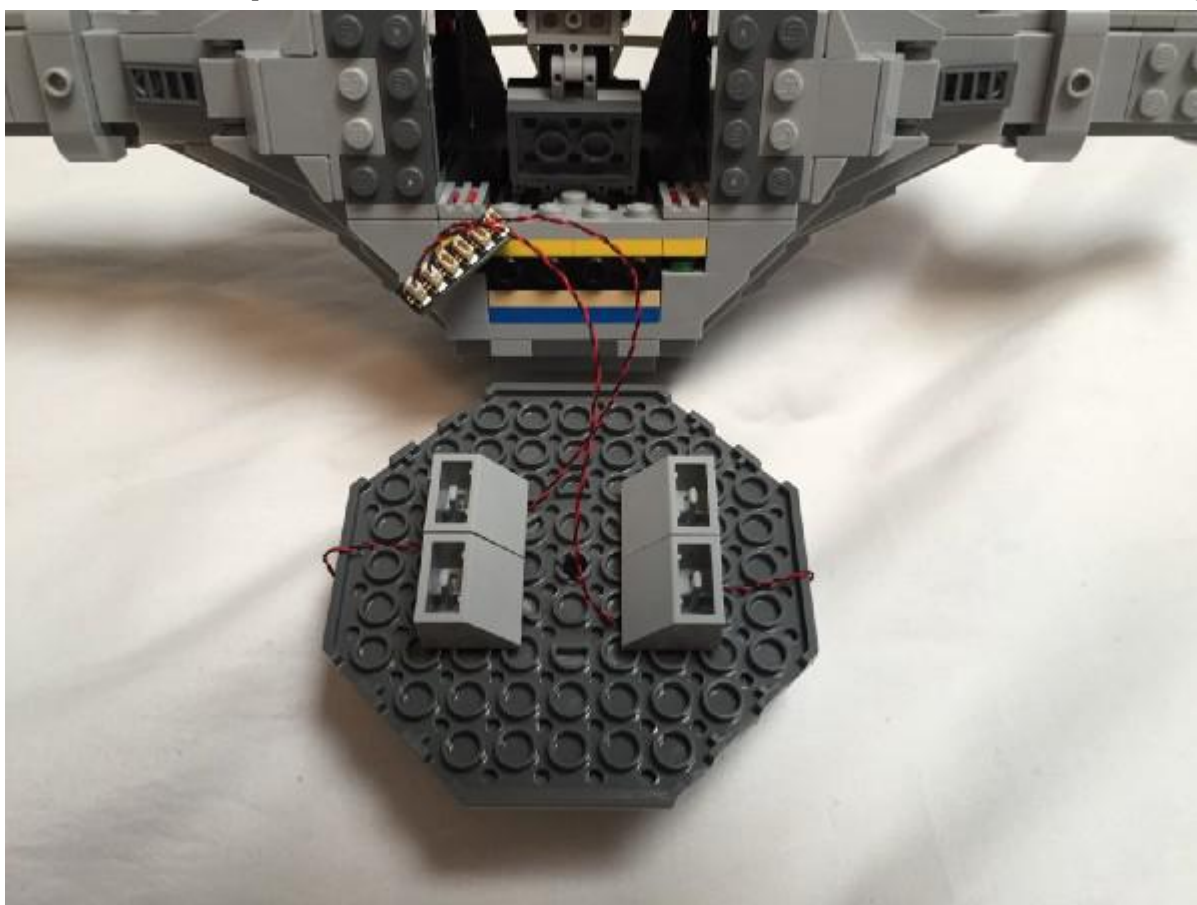


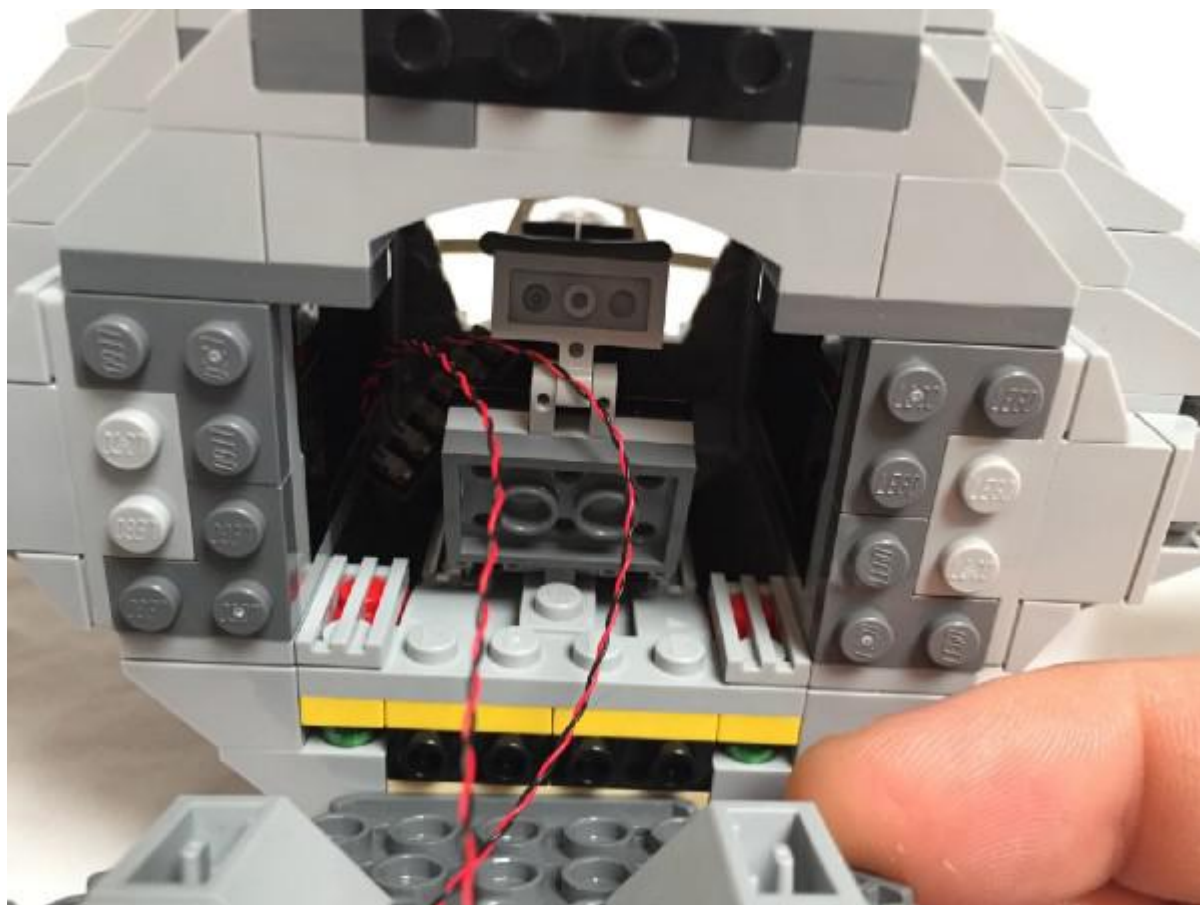
Remove the inverted slope piece that is diagonally opposite the first one you removed.
Run the White 15cm Dot Light cable in the same way as before and replace the inverted slope piece.





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





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.





Reattach the octagonal piece.





Turn the ship around and open the hatch.

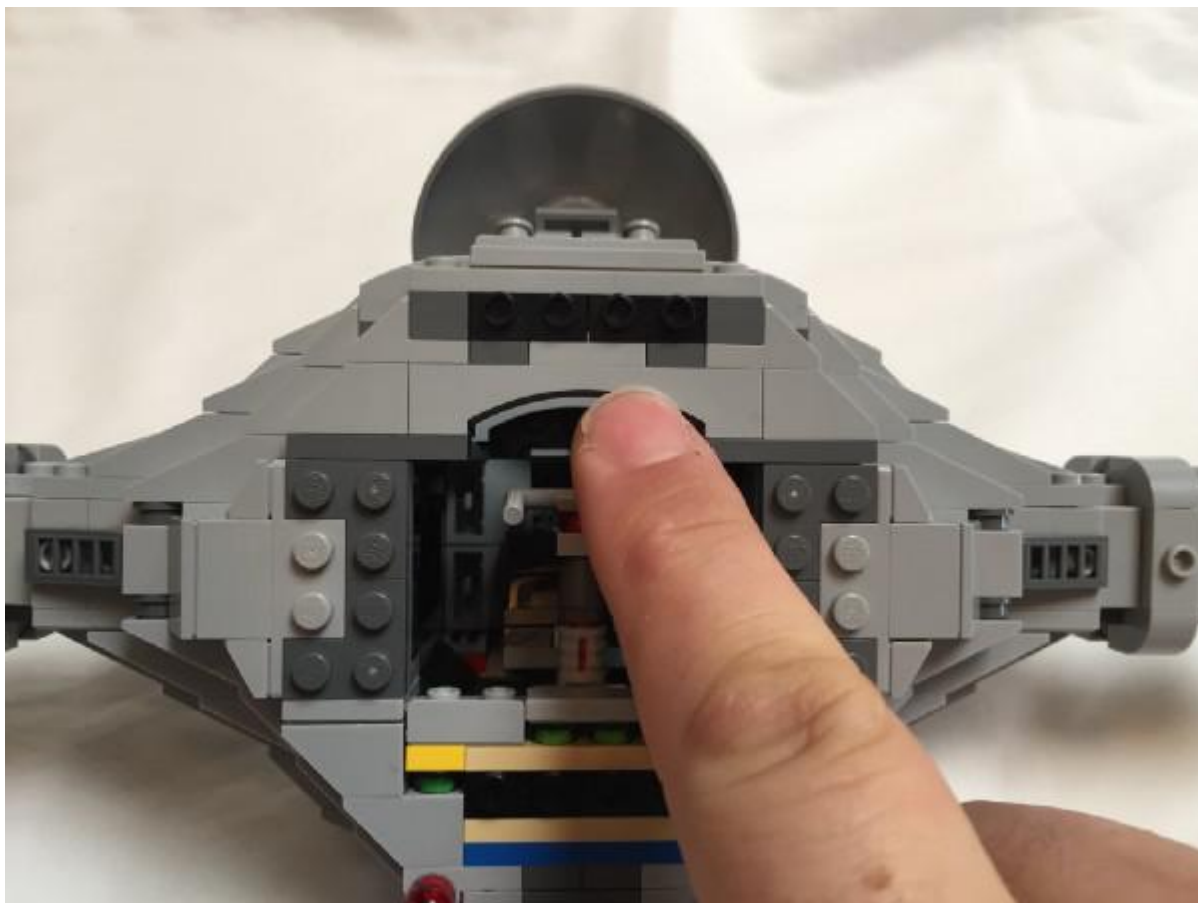




Remove the 1 x 4 light grey plates on either side of where the hatch closes.

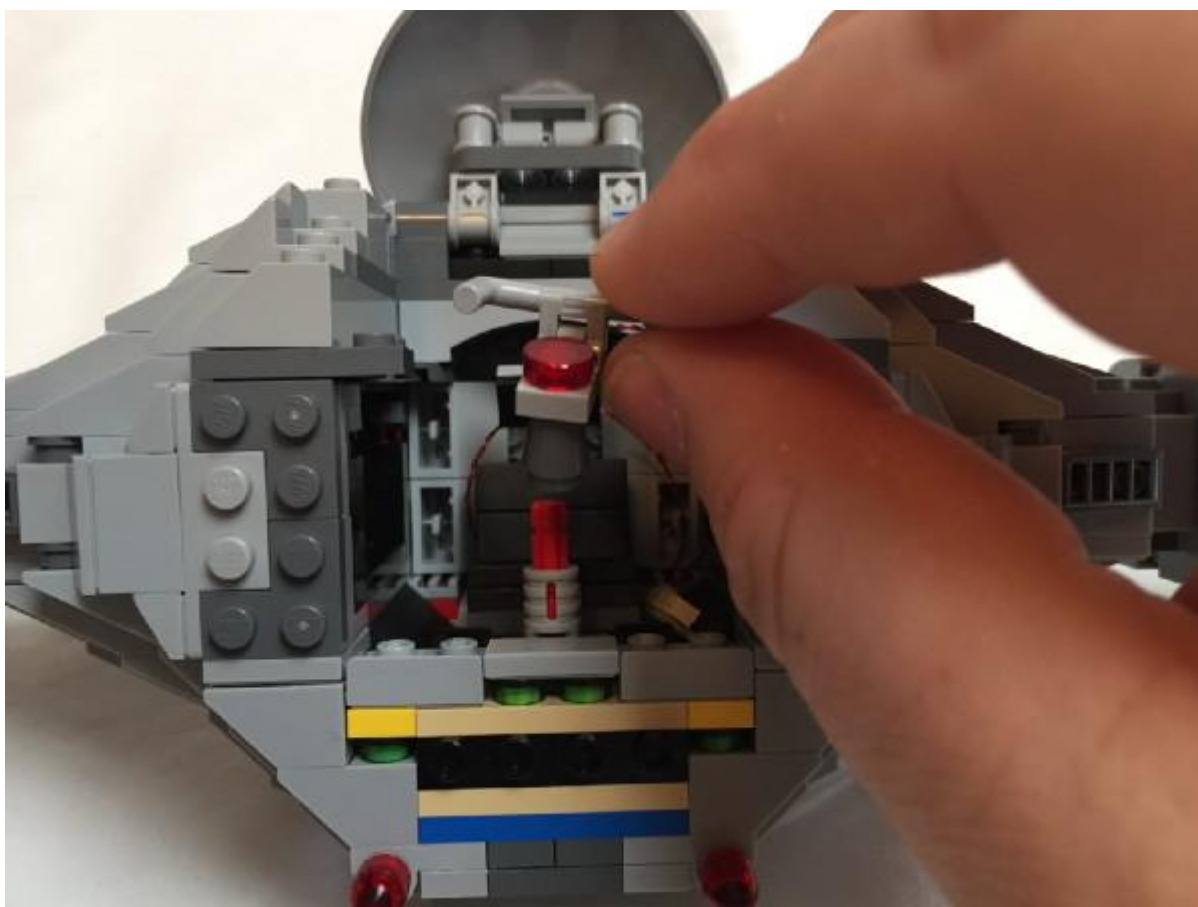
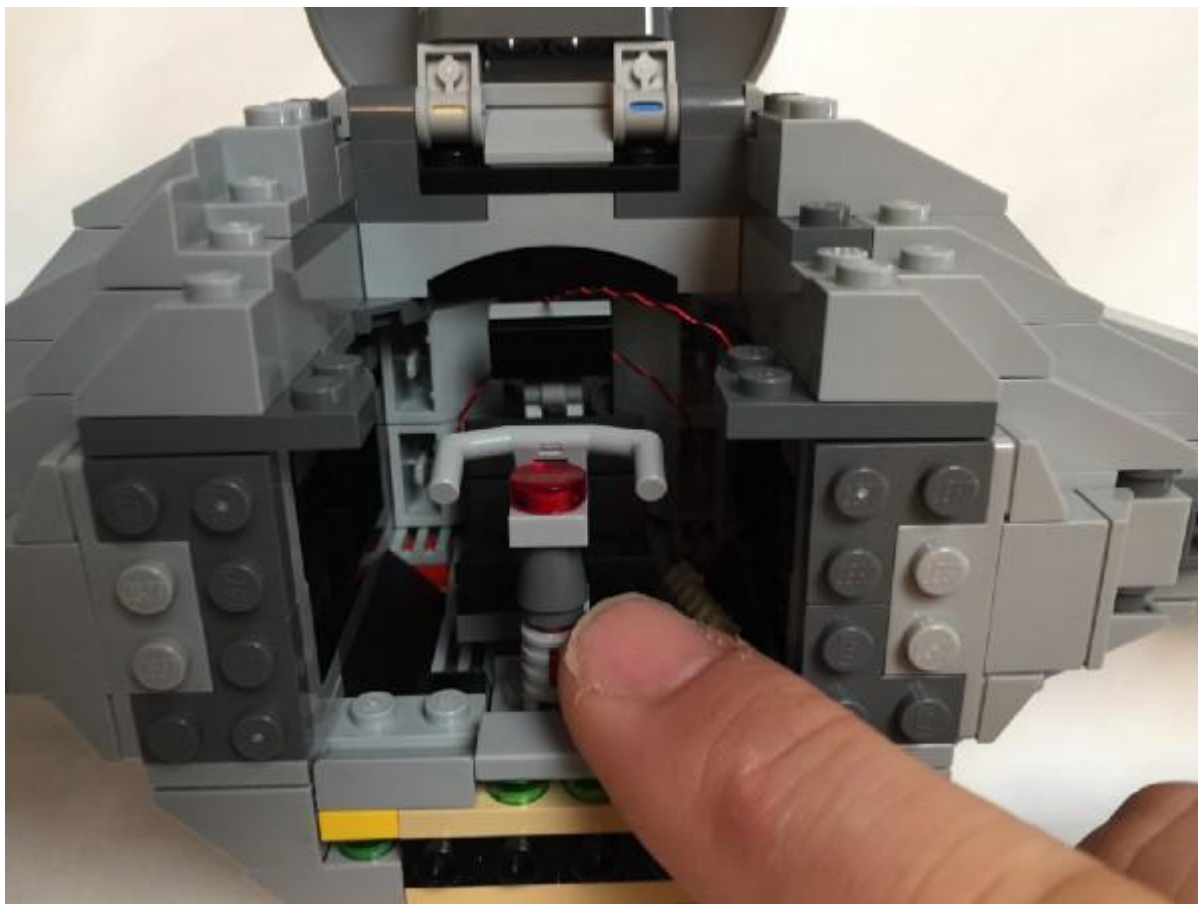


Look for the octagonal piece on the front of the ship and remove it.



Apply some upward pressure to the arch piece above the cockpit. The arch piece as well as pieces

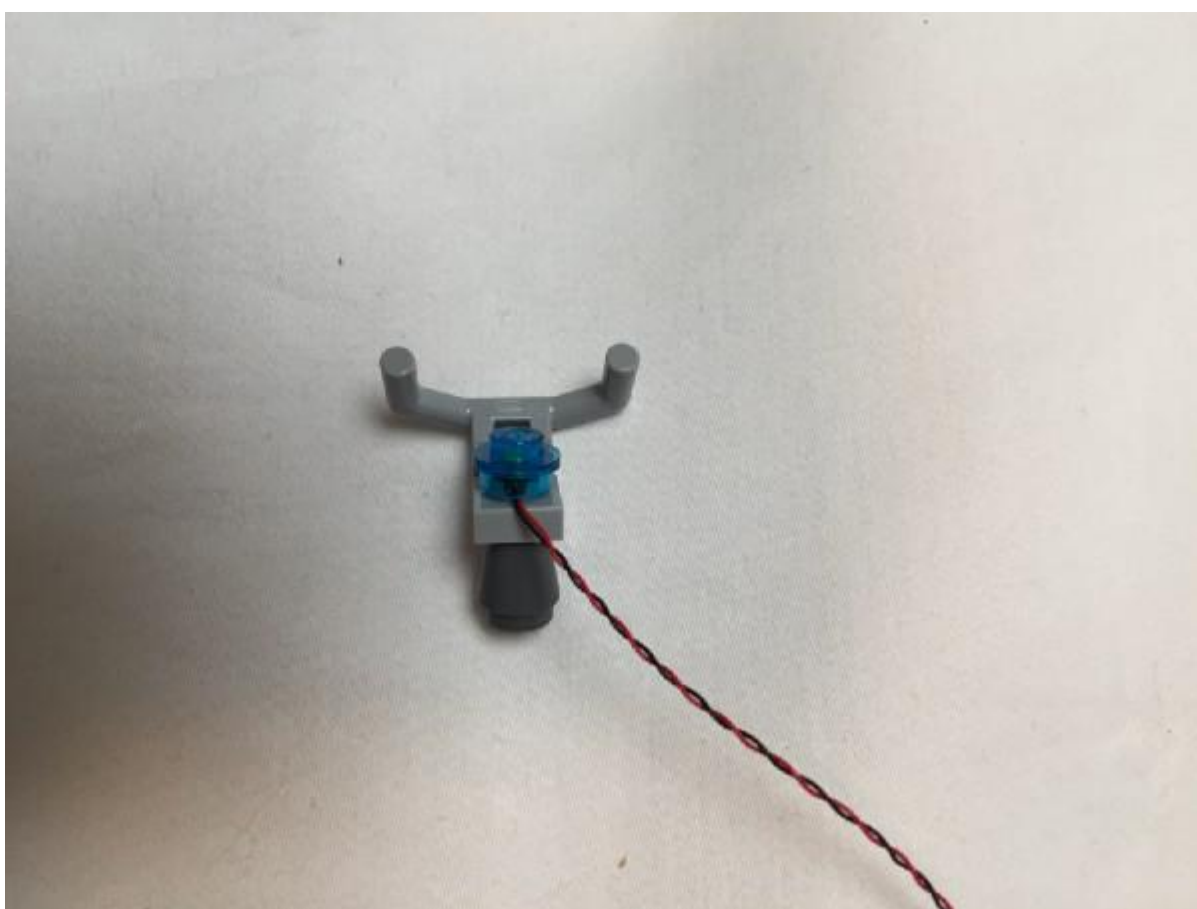
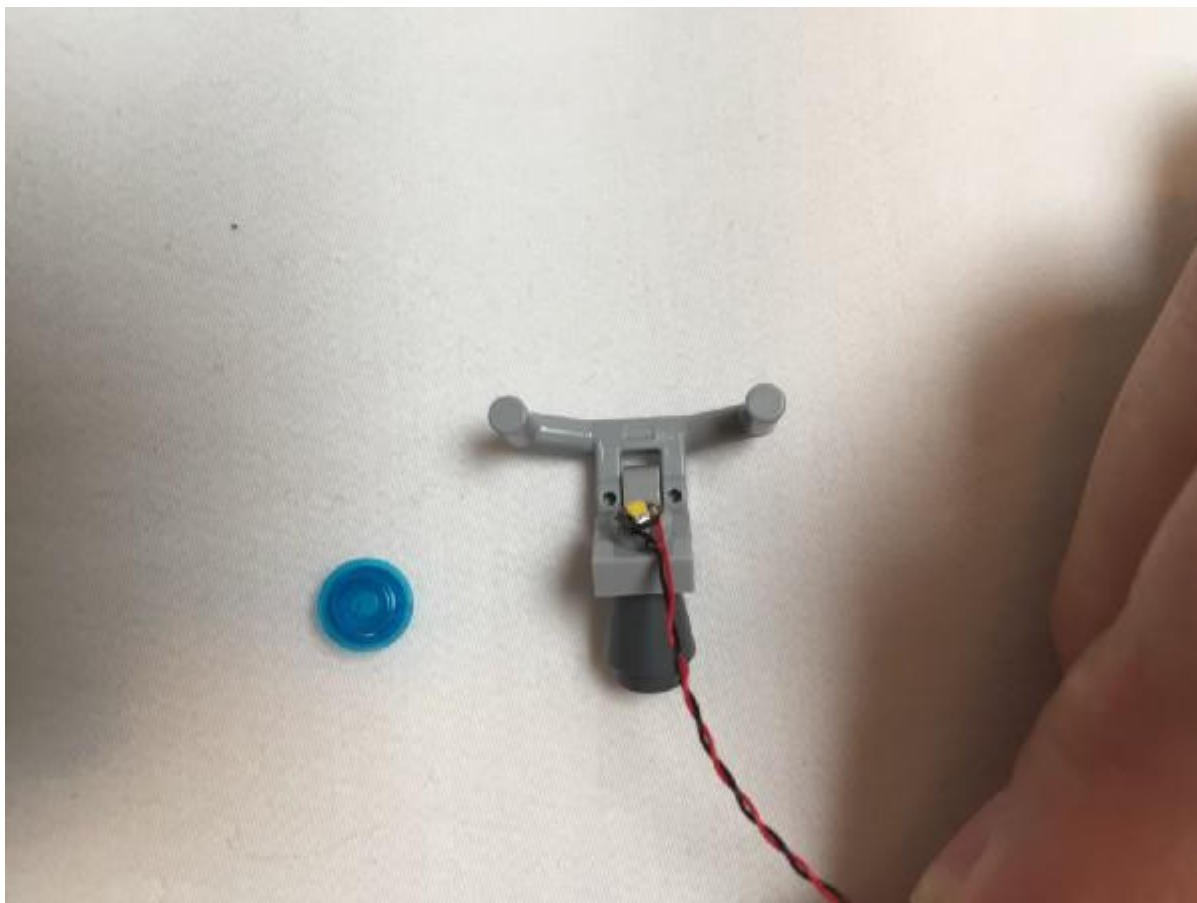
attached above it will come away.



Pull the steering controls out of the ship.

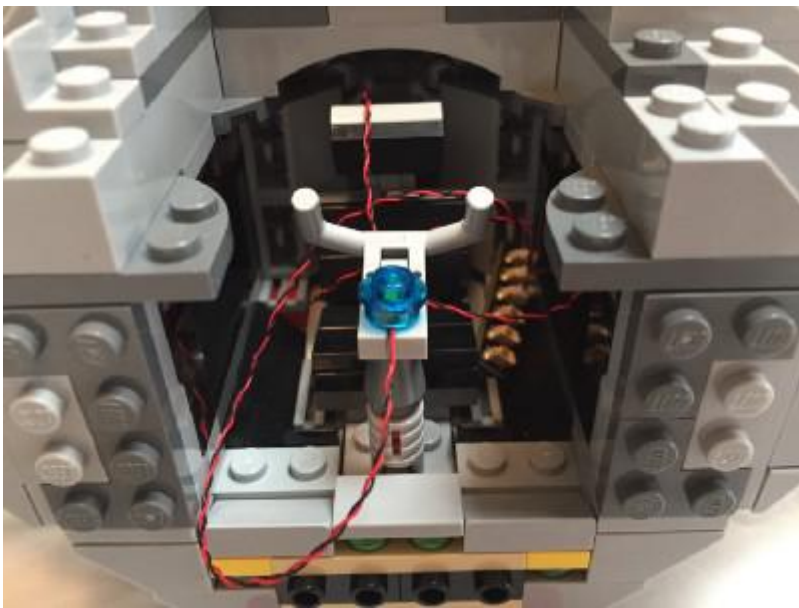
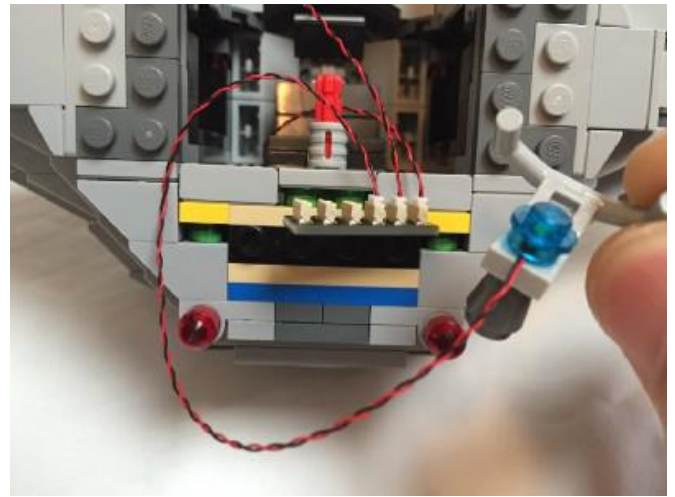
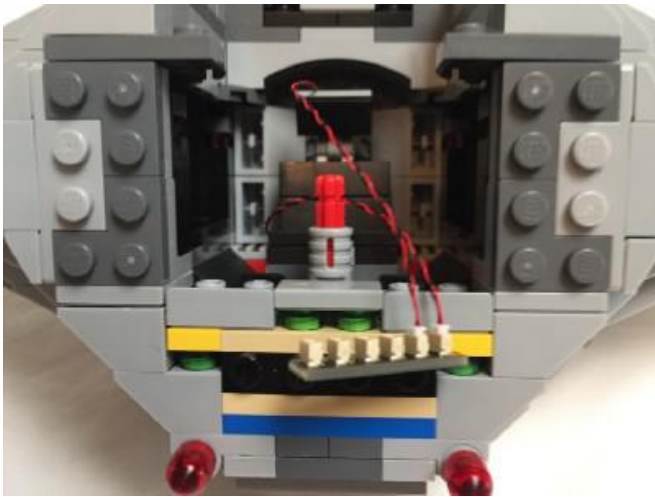


Remove the trans-red tile from the steering controls.

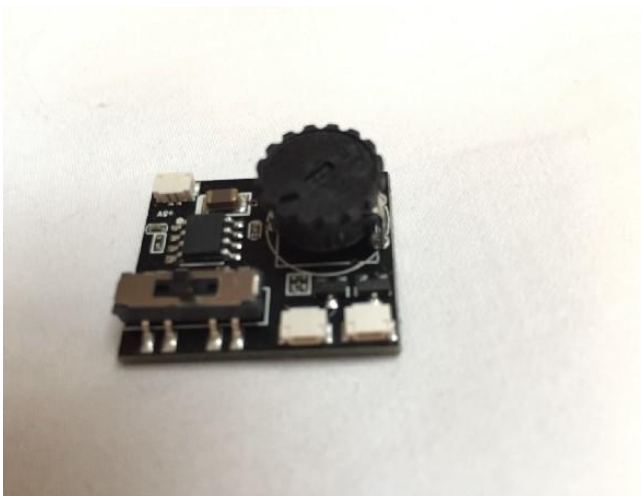


Grab the trans-blue 1 x 1 round plate and a White 15cm Dot Light.

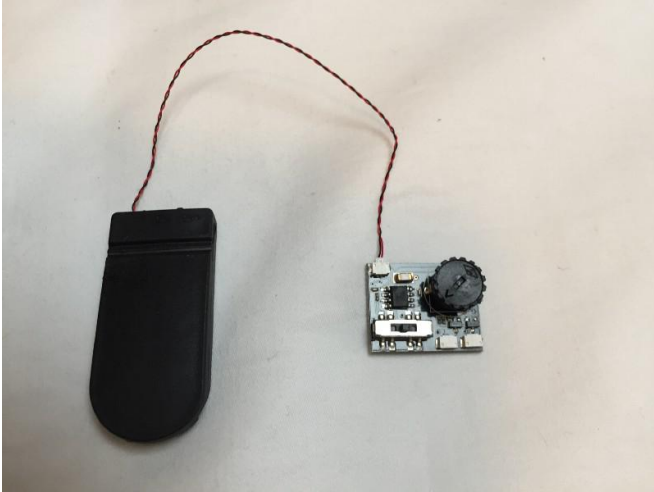
Rest the White 15cm Dot Light on top of the stud with the yellow LED element facing up.
Carefully fit the trans-blue 1 x 1 round plate over the White 15cm Dot Light.



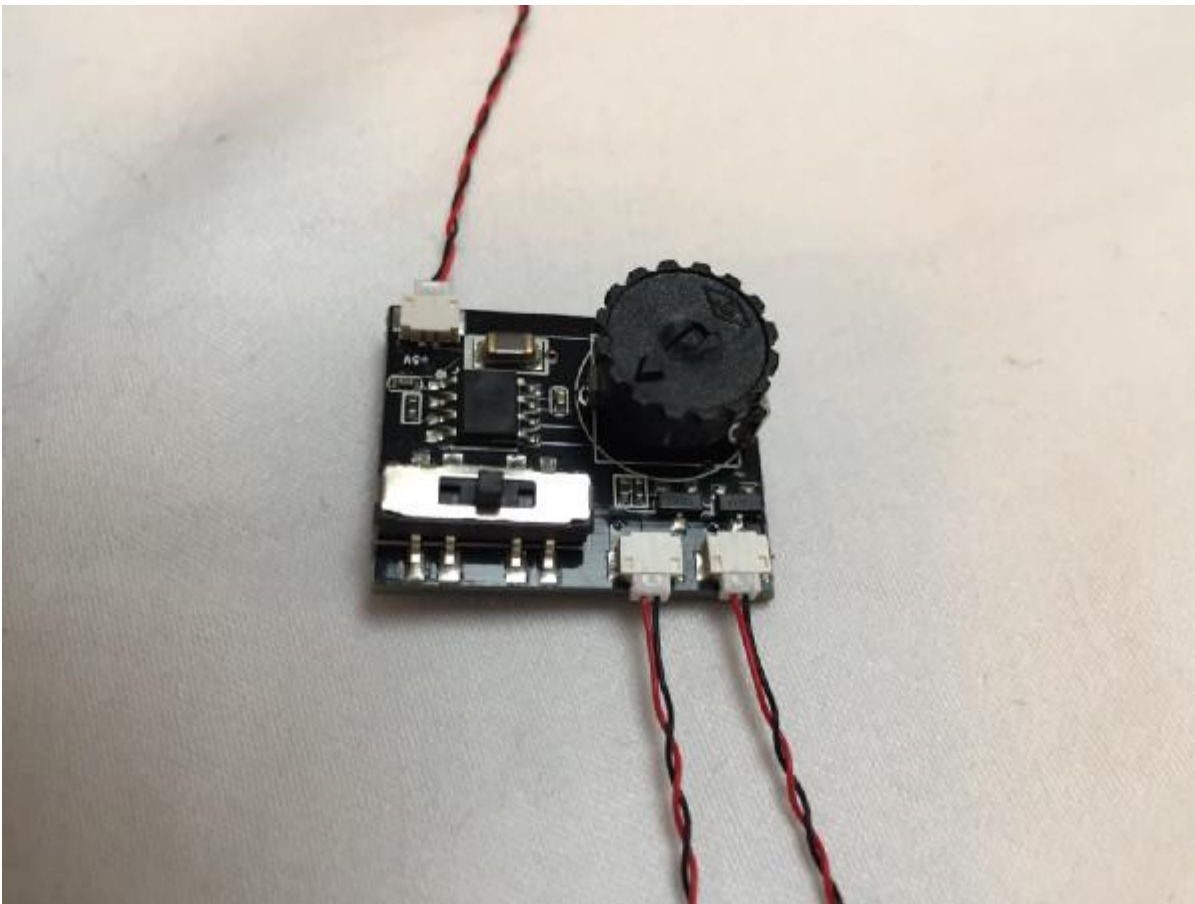
Pull the 6 Port Expansion Board out of the cockpit.
Connect the White 15cm Dot Light on the steering controls to the 6 Port Expansion Board.
Reattach the steering controls and put the 6 Port Expansion Board back in the cockpit.

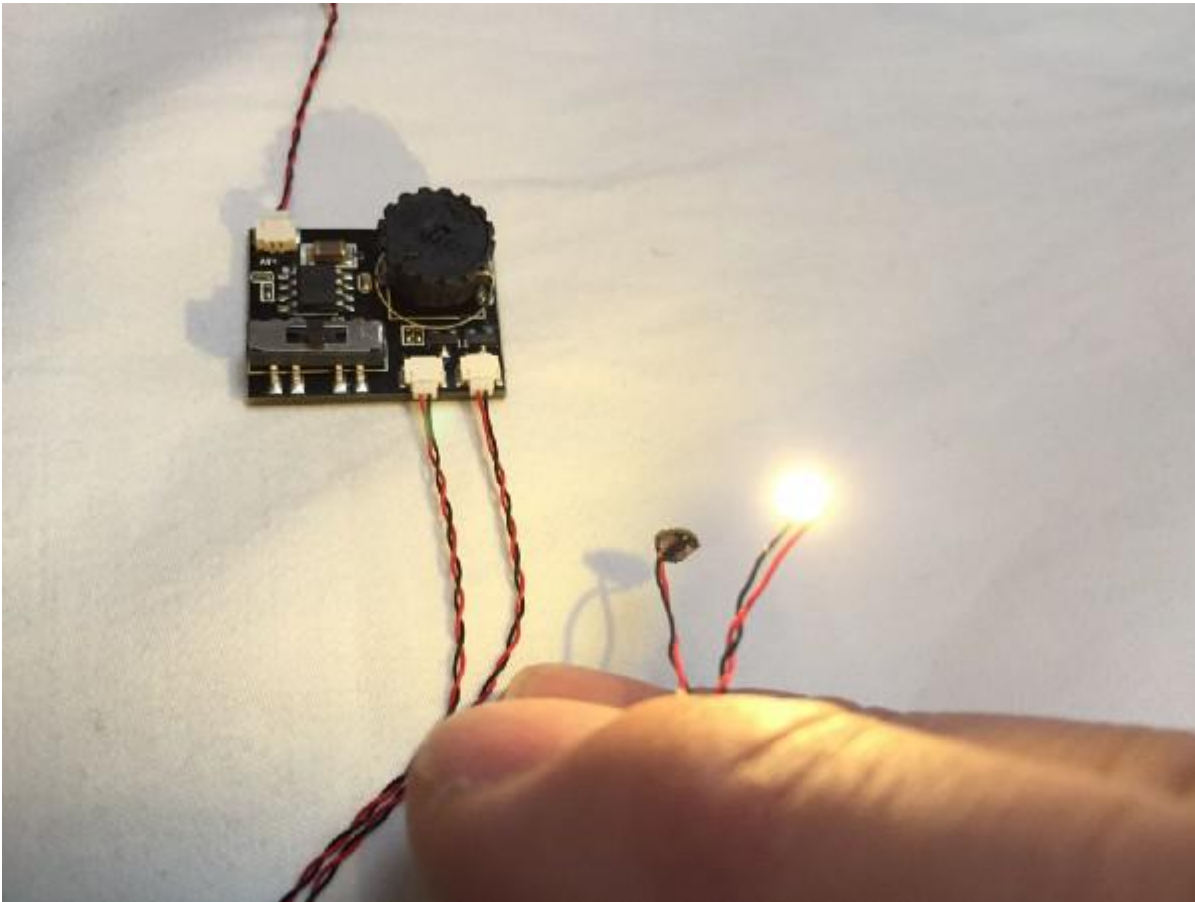


Grab the Multi-Effect Boards and the Flat Battery Pack.



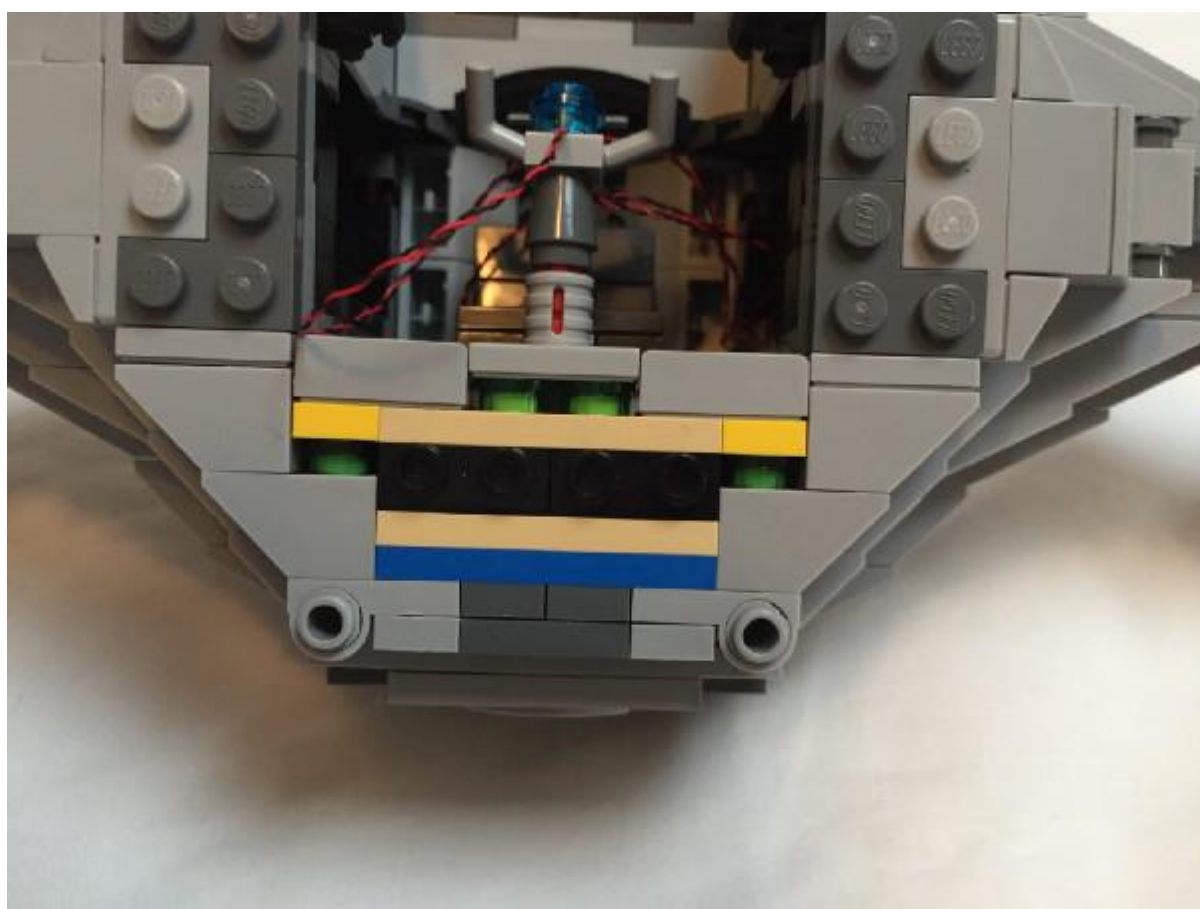
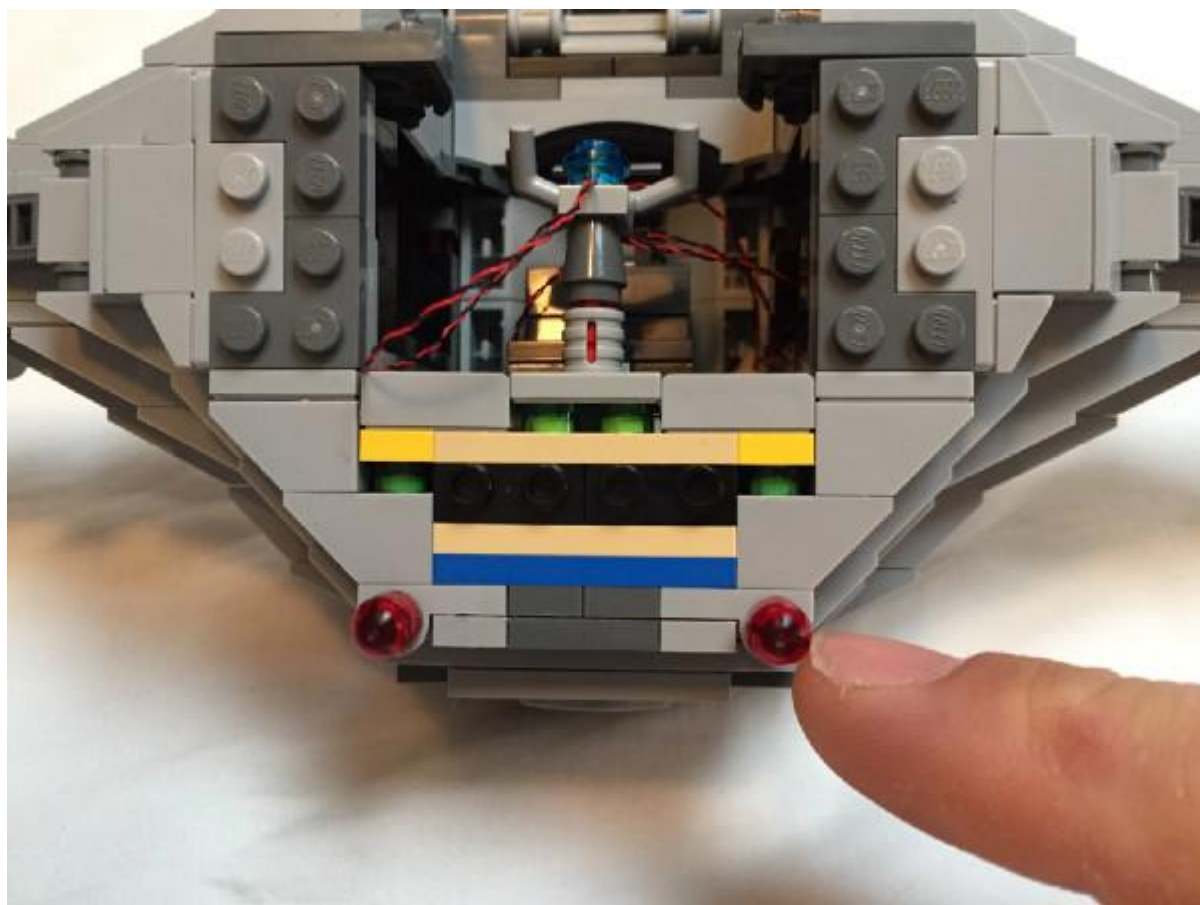
Put batteries in the Flat Battery Pack and connect to the Multi-Effect Boards as seen in the picture above.





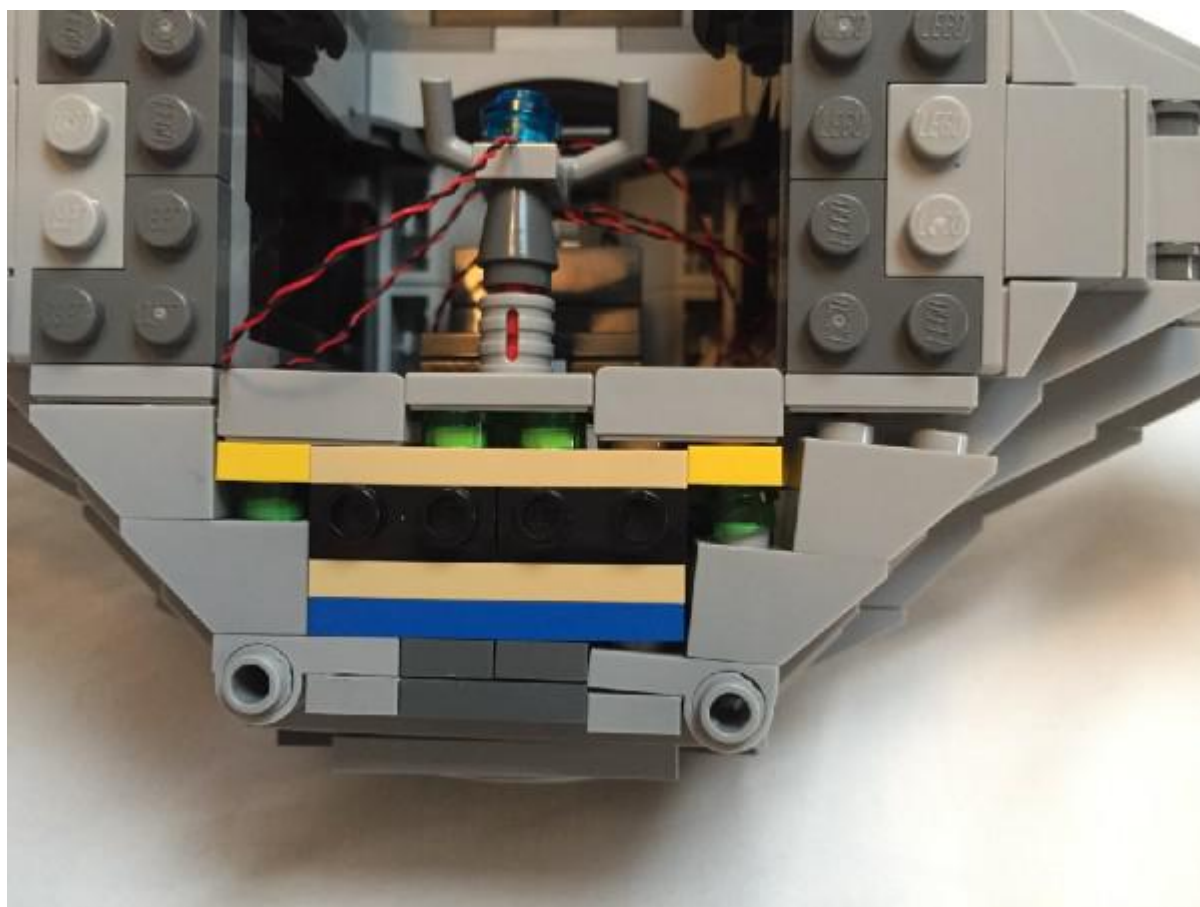
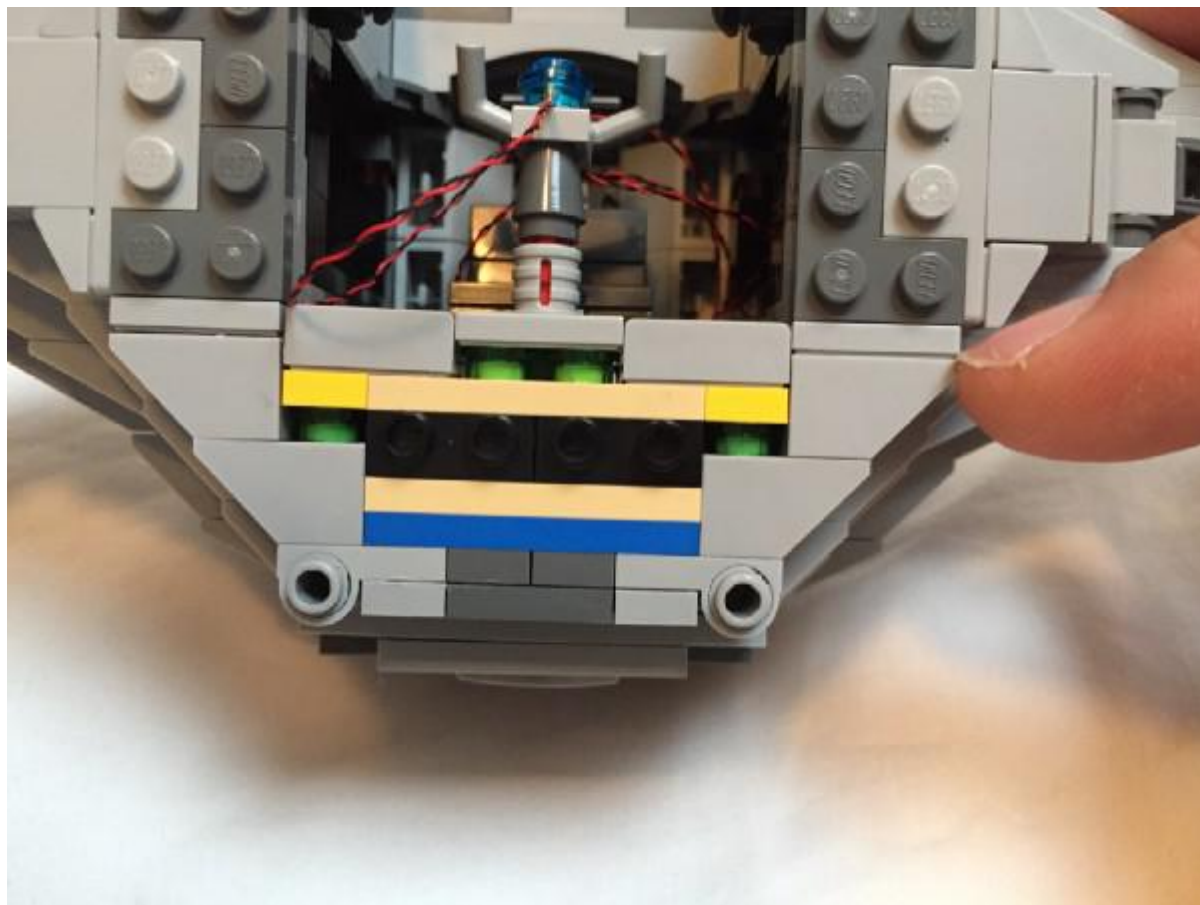
Connect two of the White 15cm Dot Lights to the available two ports on the Multi-Effect Board. Make sure the Multi-Effect Board switch is in the centre position. Turn the Flat Battery Pack on and the lights will start flickering. Adjust the dial on the Multi-Effect Board until you find a laser gun effect 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.

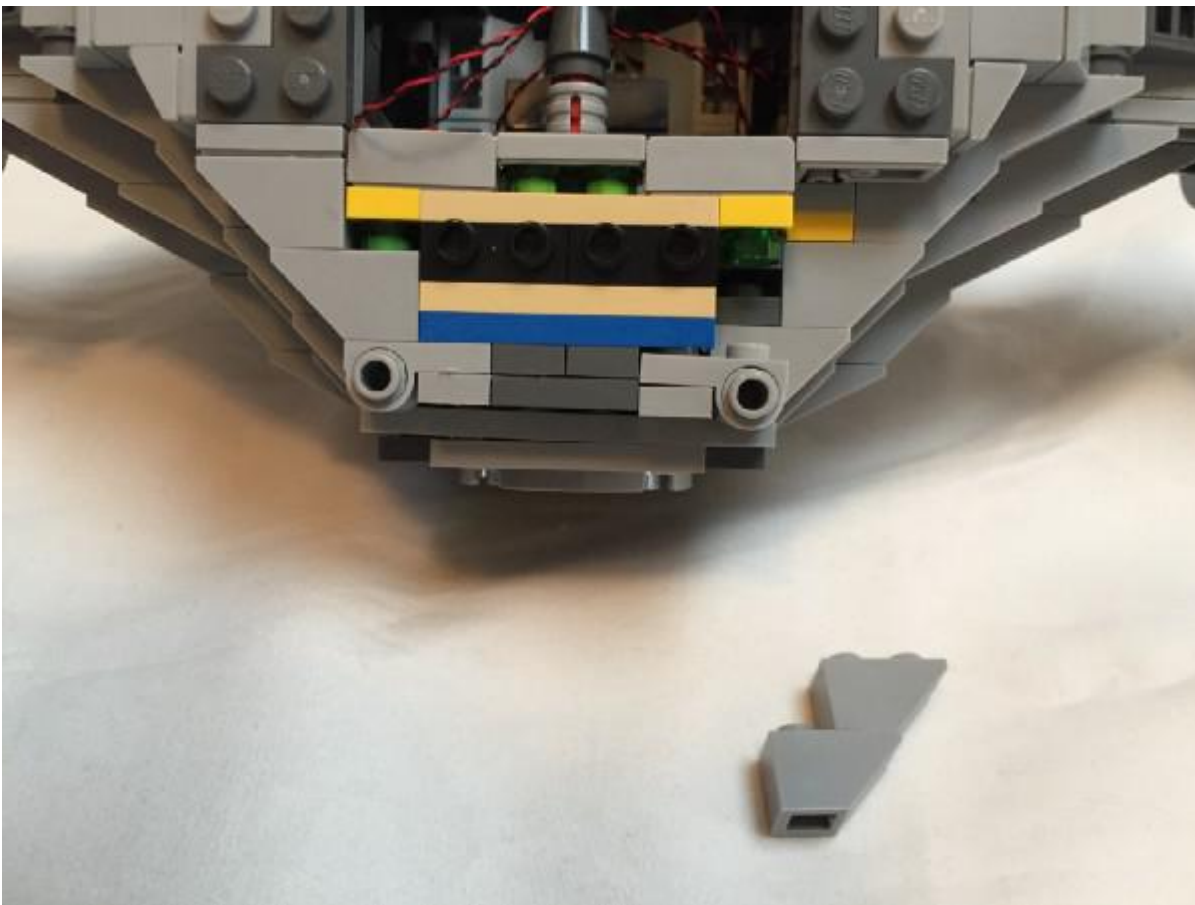
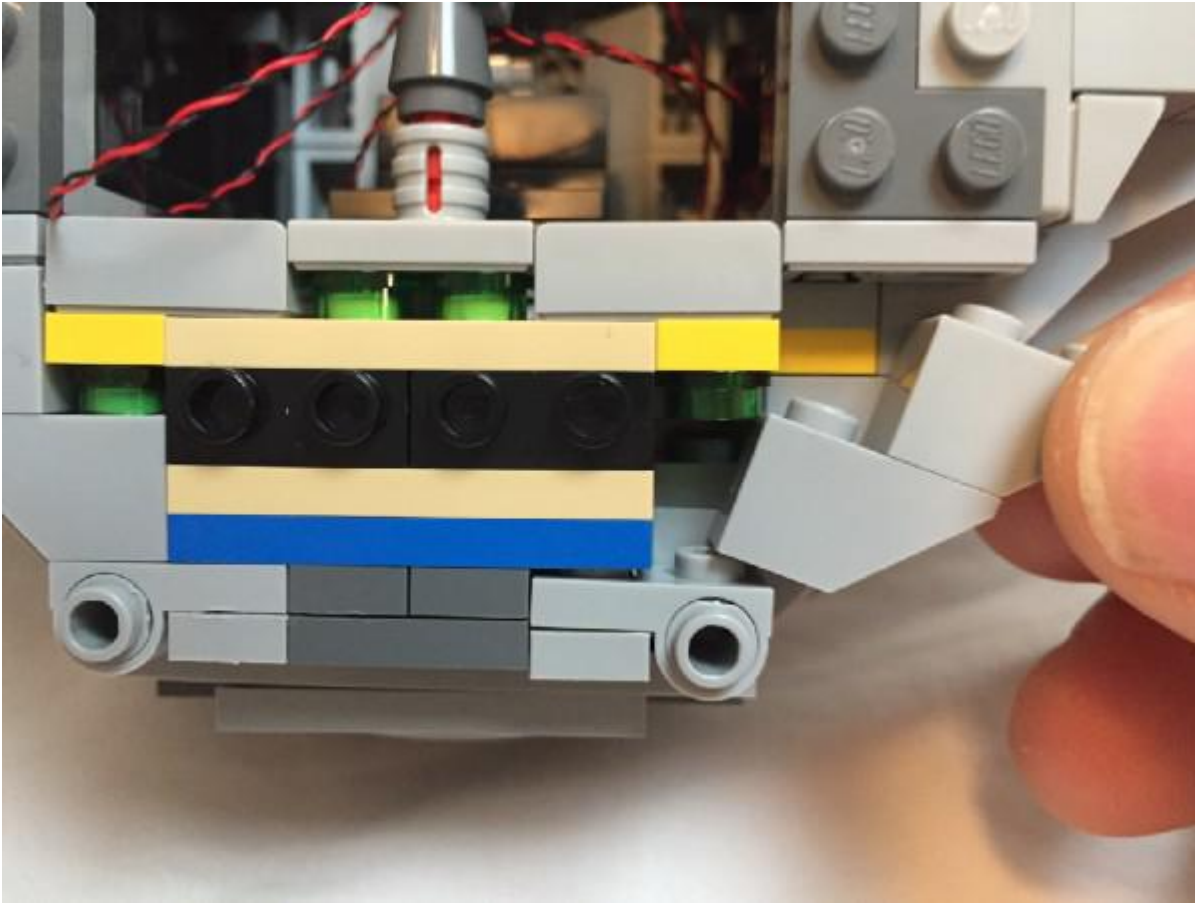


Remove the trans-red light cover pieces.

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



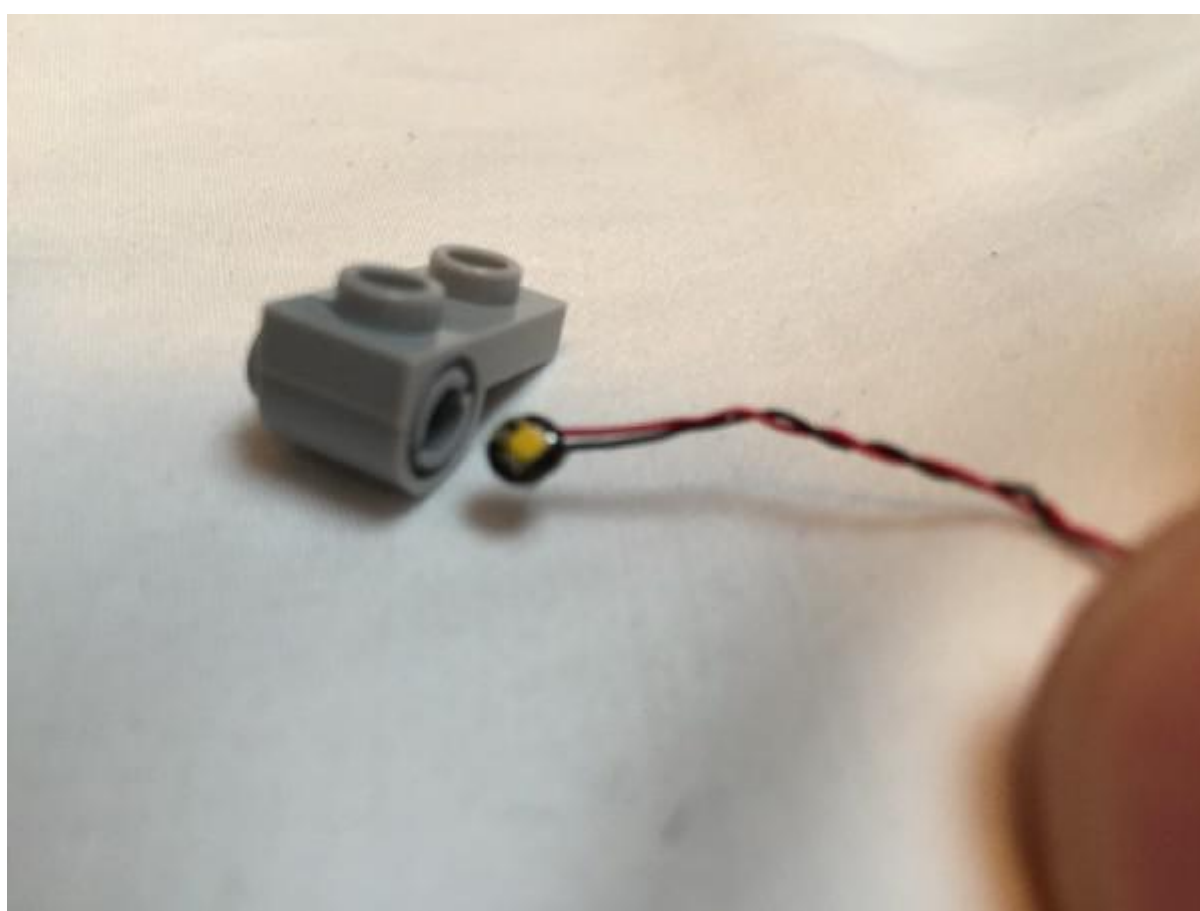
Use a brick separator or your finger nail to pry open a gap above the set of two inverted slope pieces.



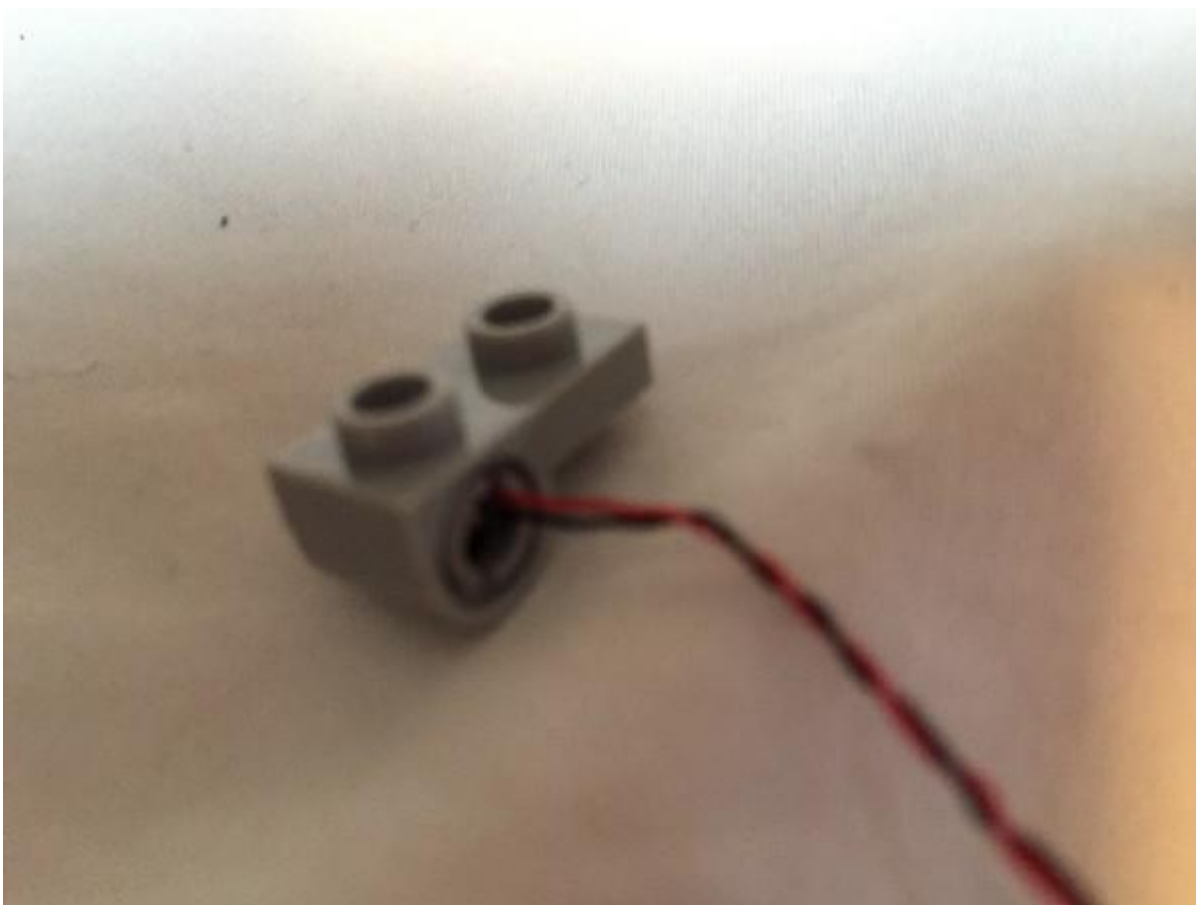
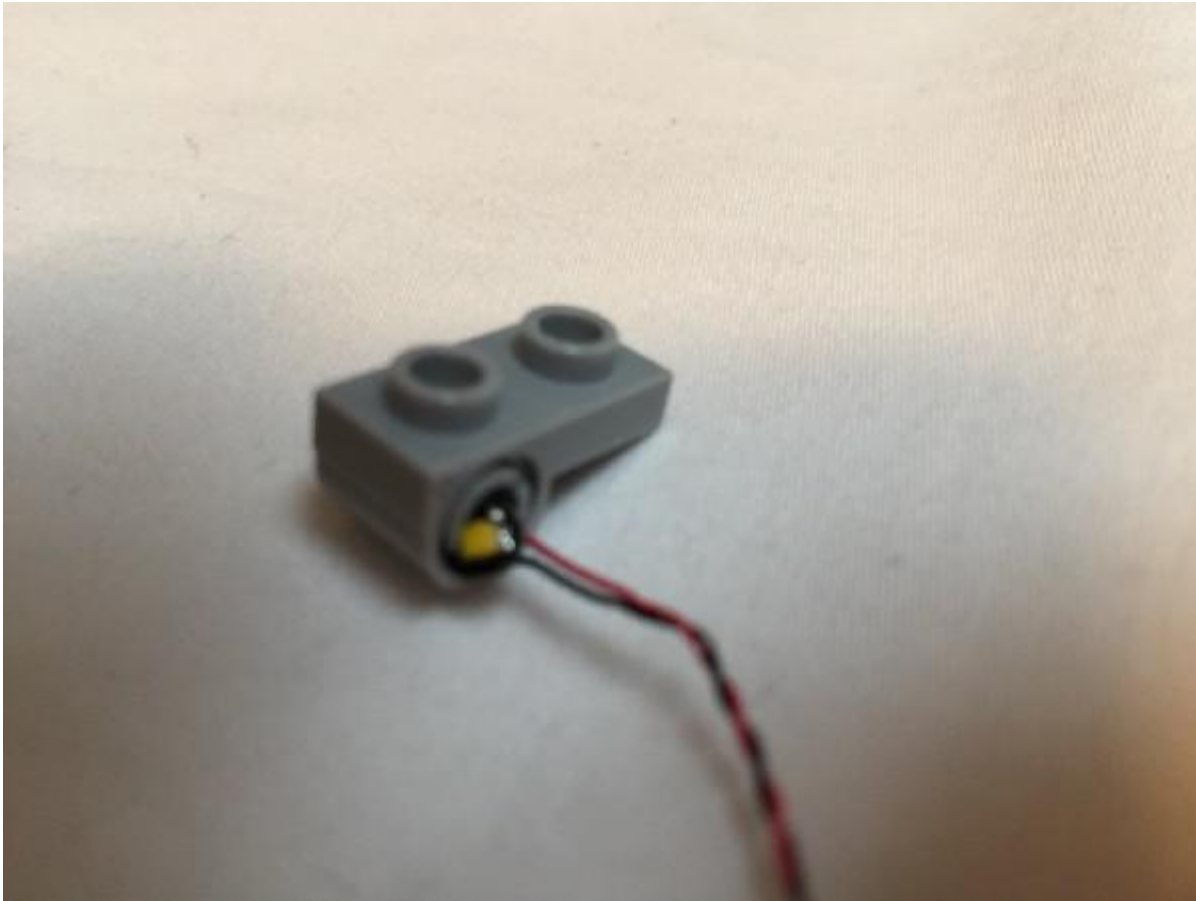
Continue to expand the gap until the inverted slope pieces can be removed.



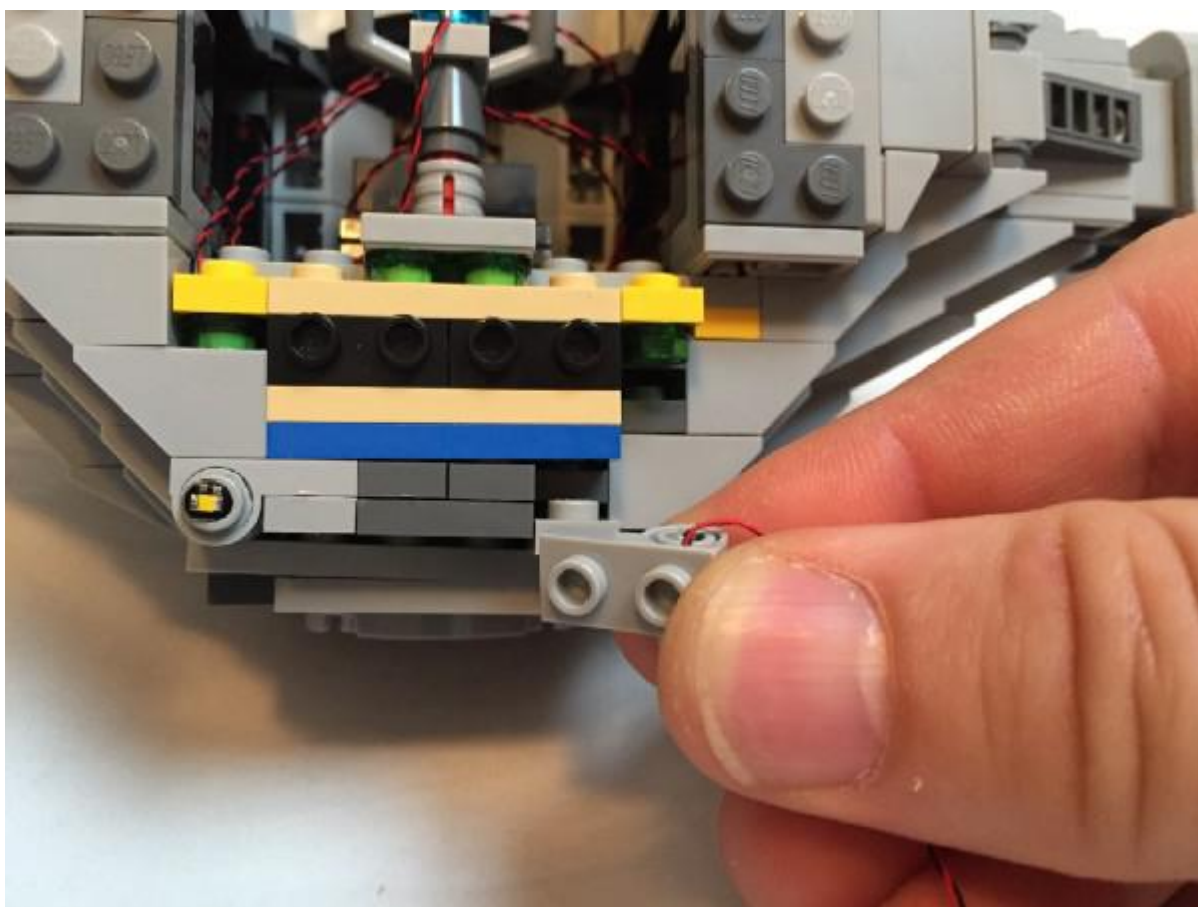
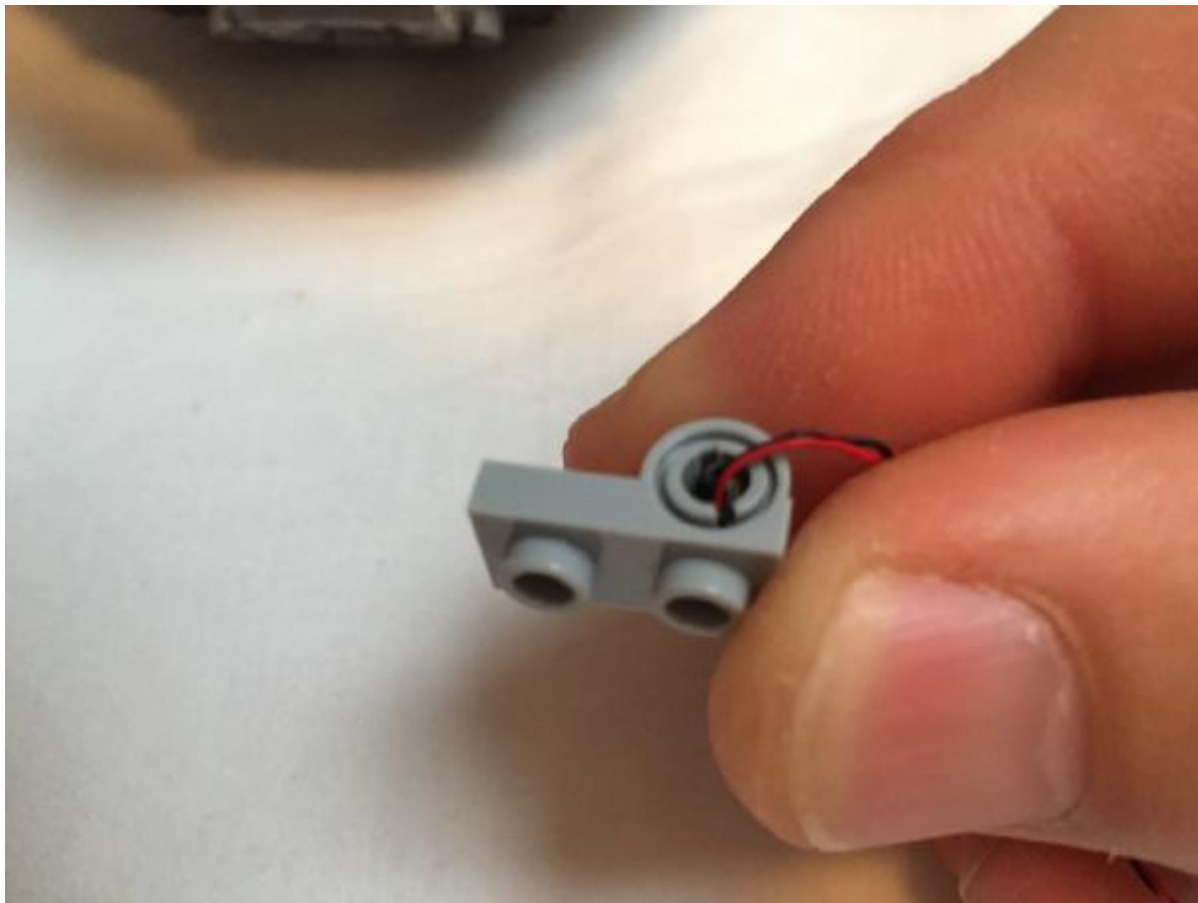
Wiggle the 1 x 2 plate with pin hole piece until it comes out. It has the technic 1/2 pin inside it.

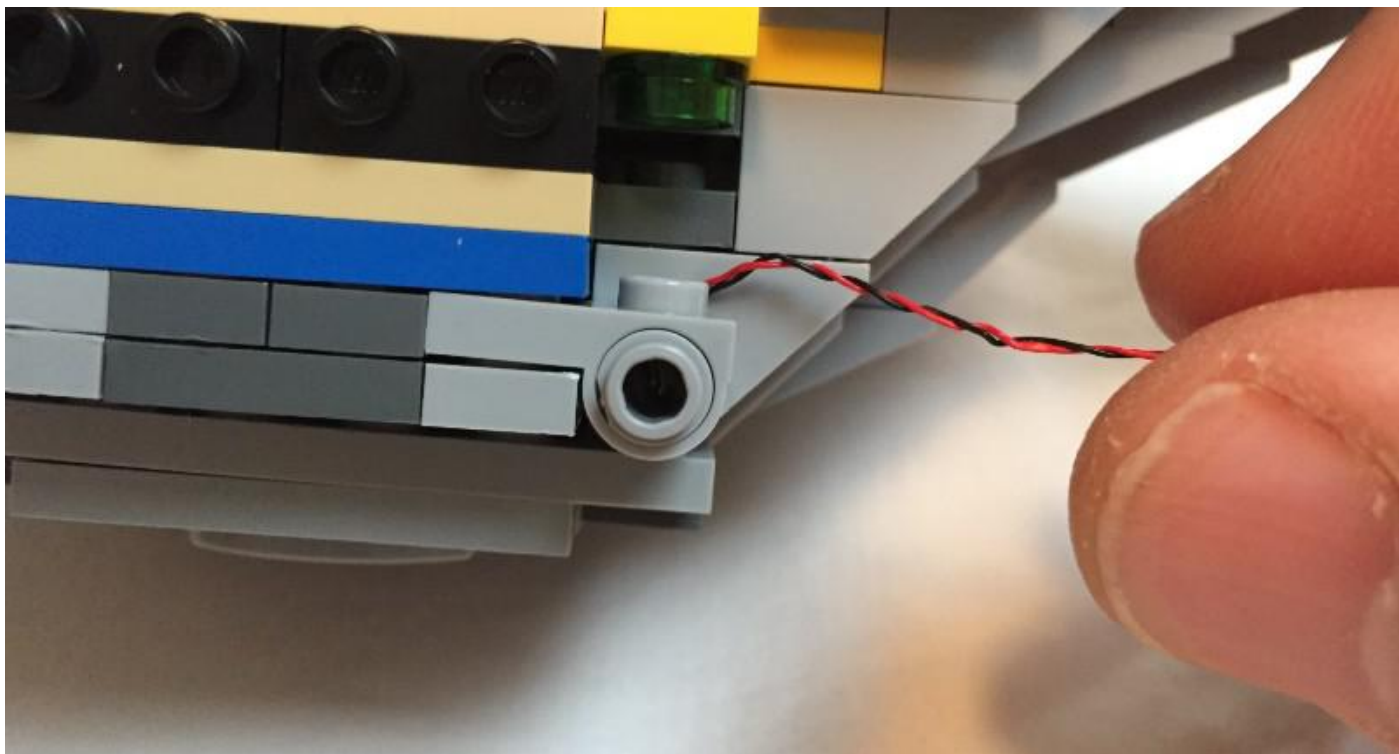


Turn the 1 x 2 plate with pin hole piece around so you can access the back of it.

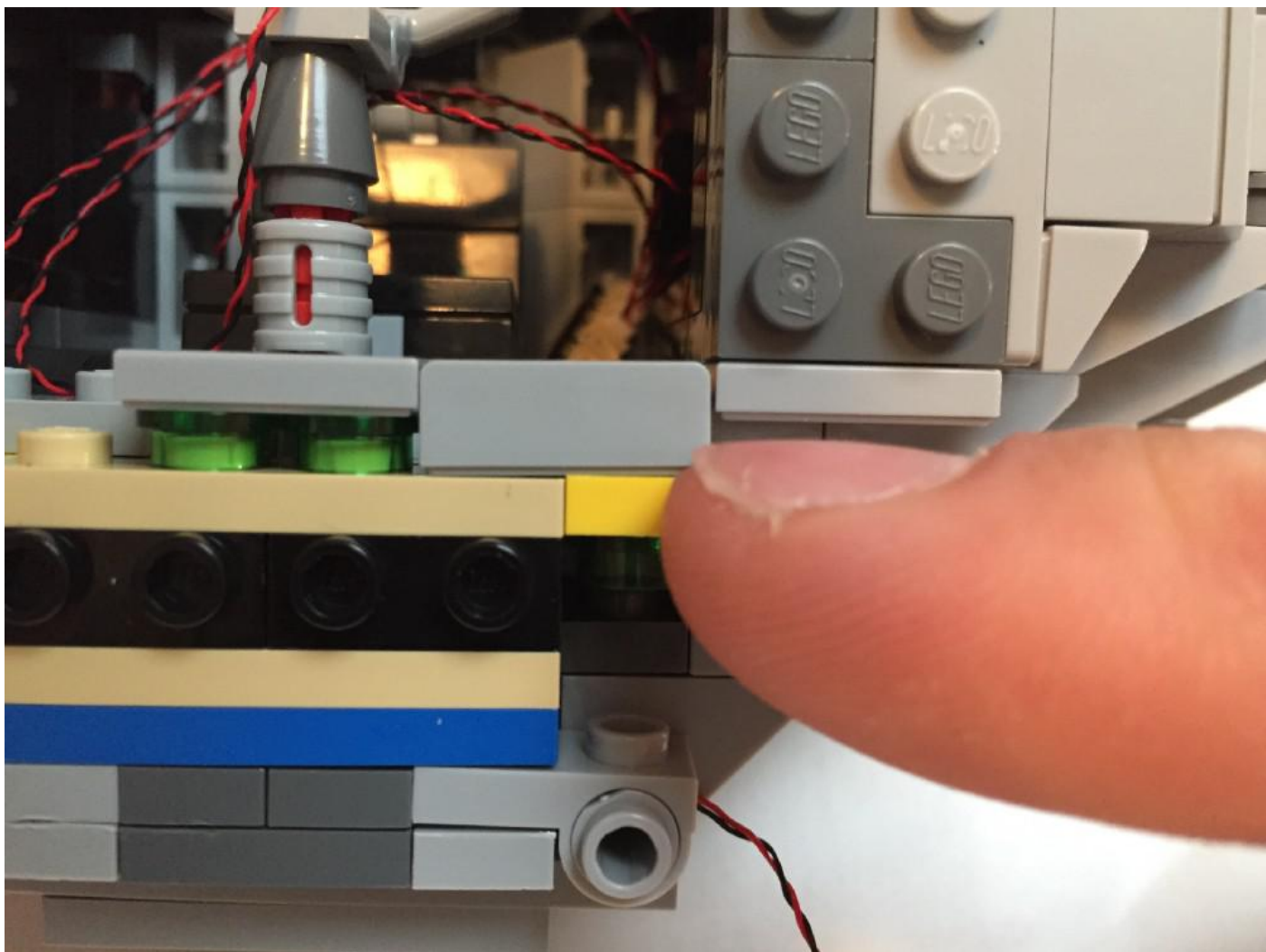


Grab a White 15cm Dot Light and feed the LED element inside the technic pin.
Stop feeding the White 15cm Dot Light in once the LED is just inside the technic 1/2 pin.

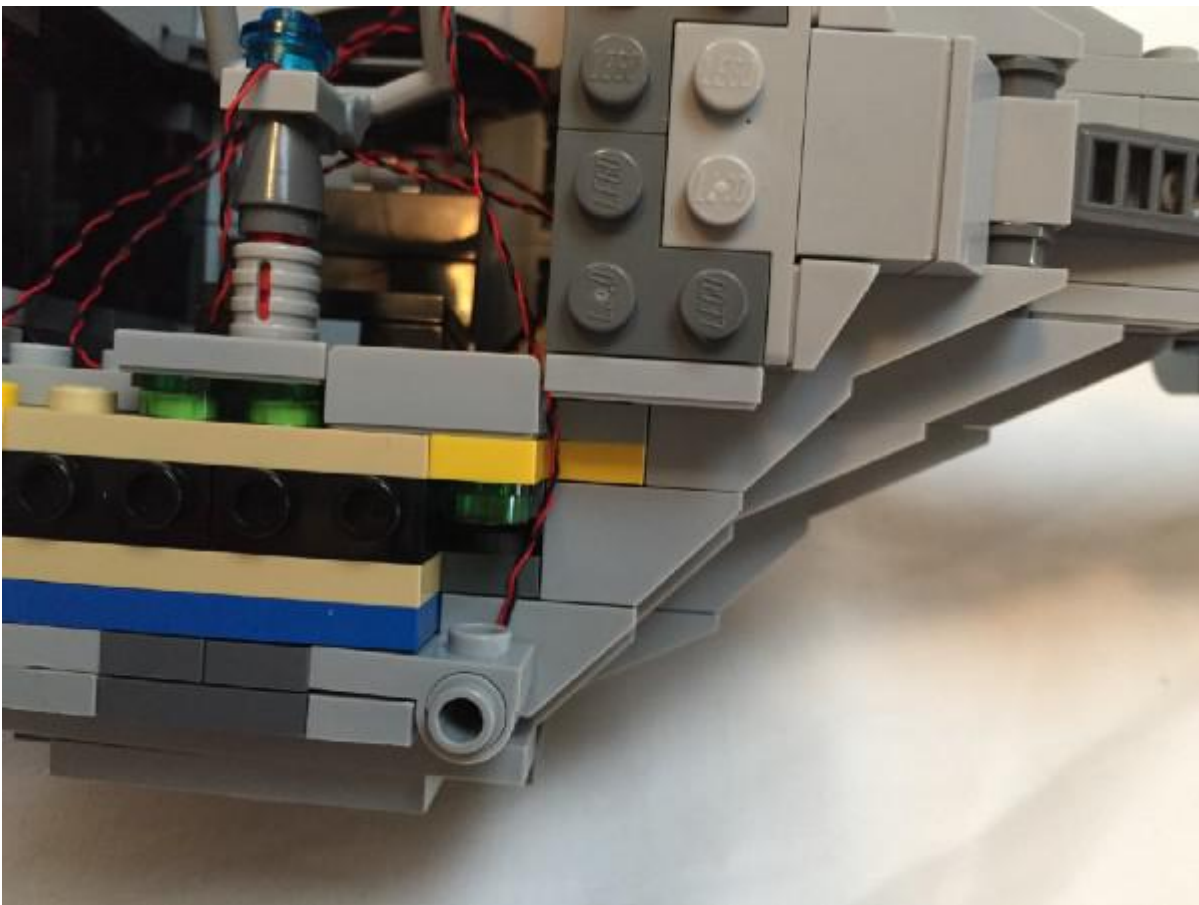




Replace the 1 x 2 plate with pin hole piece. The wires for the White 15cm Dot Light will be coming out the back.

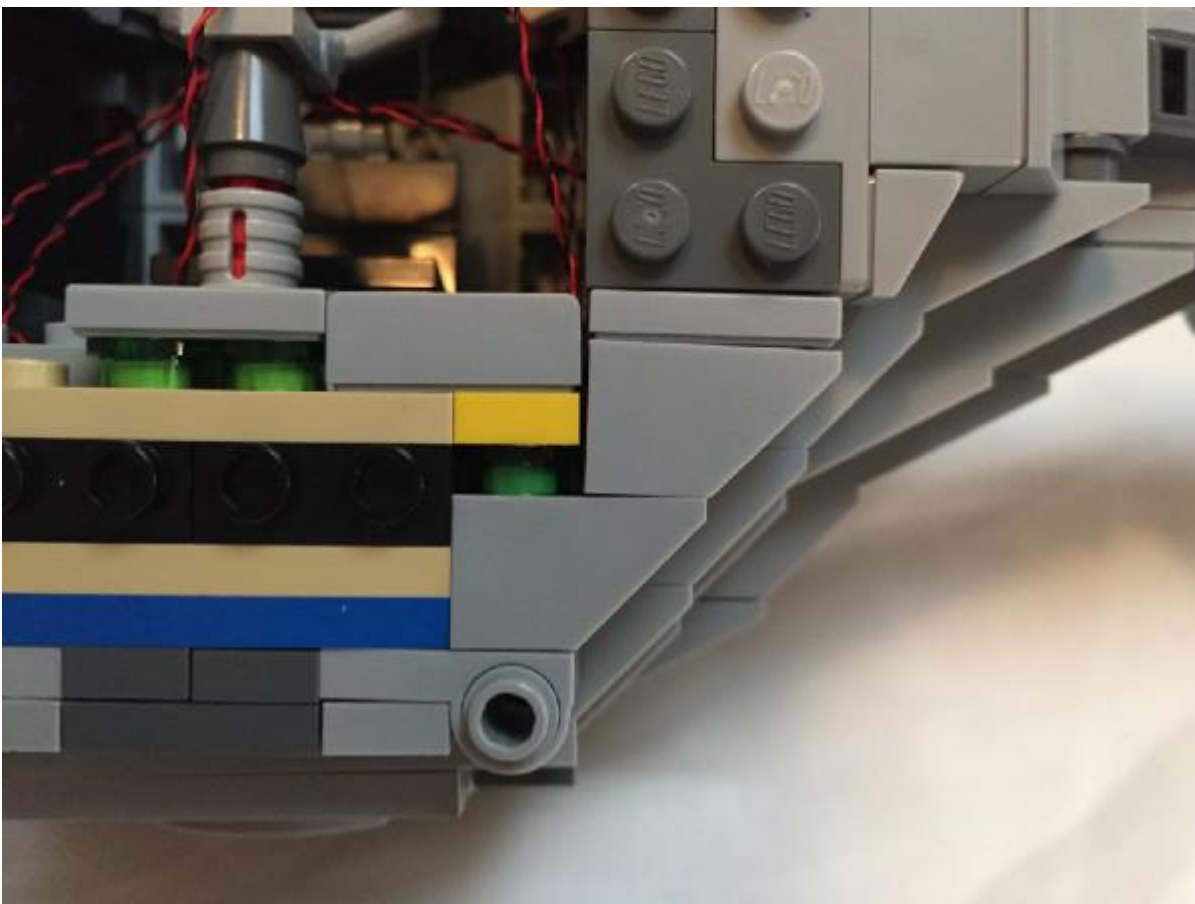
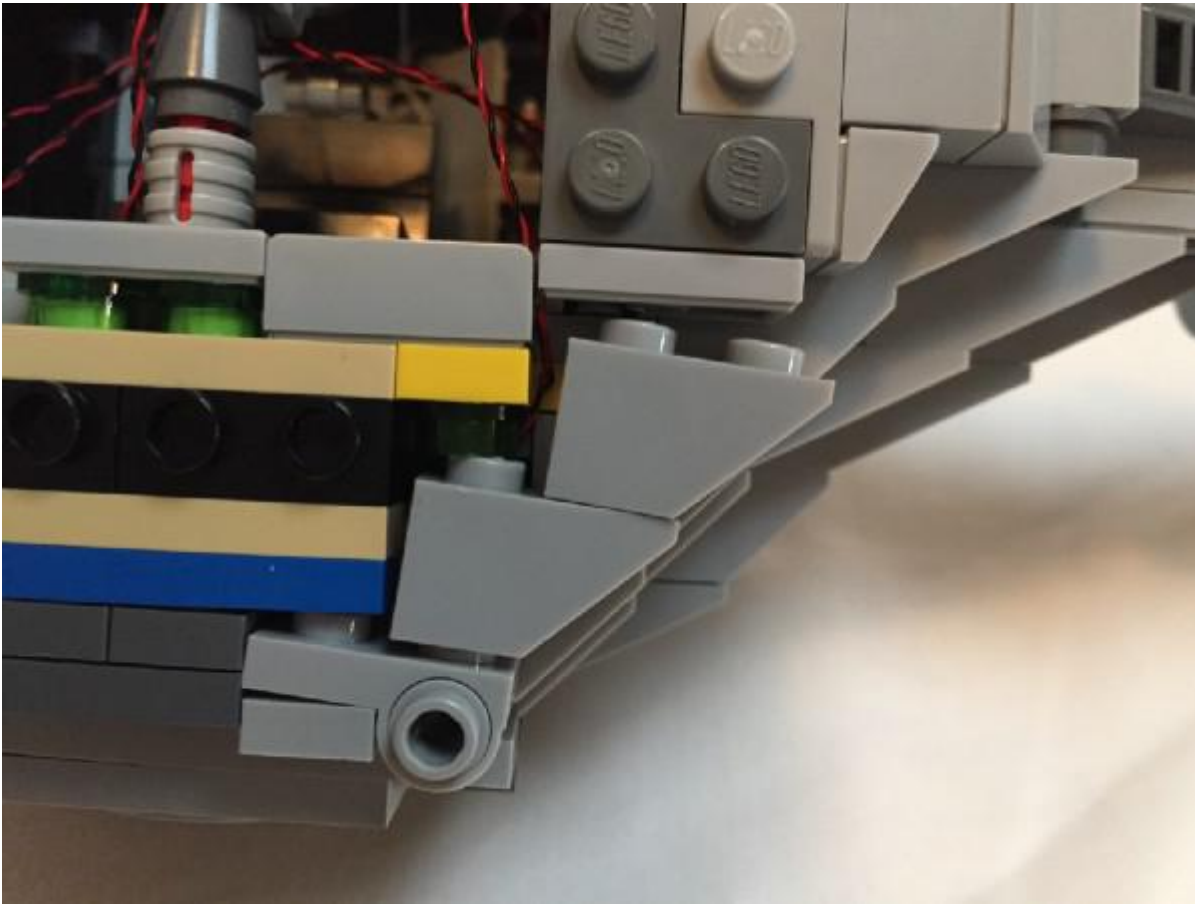


Remove the light grey slope piece shown in the picture above.



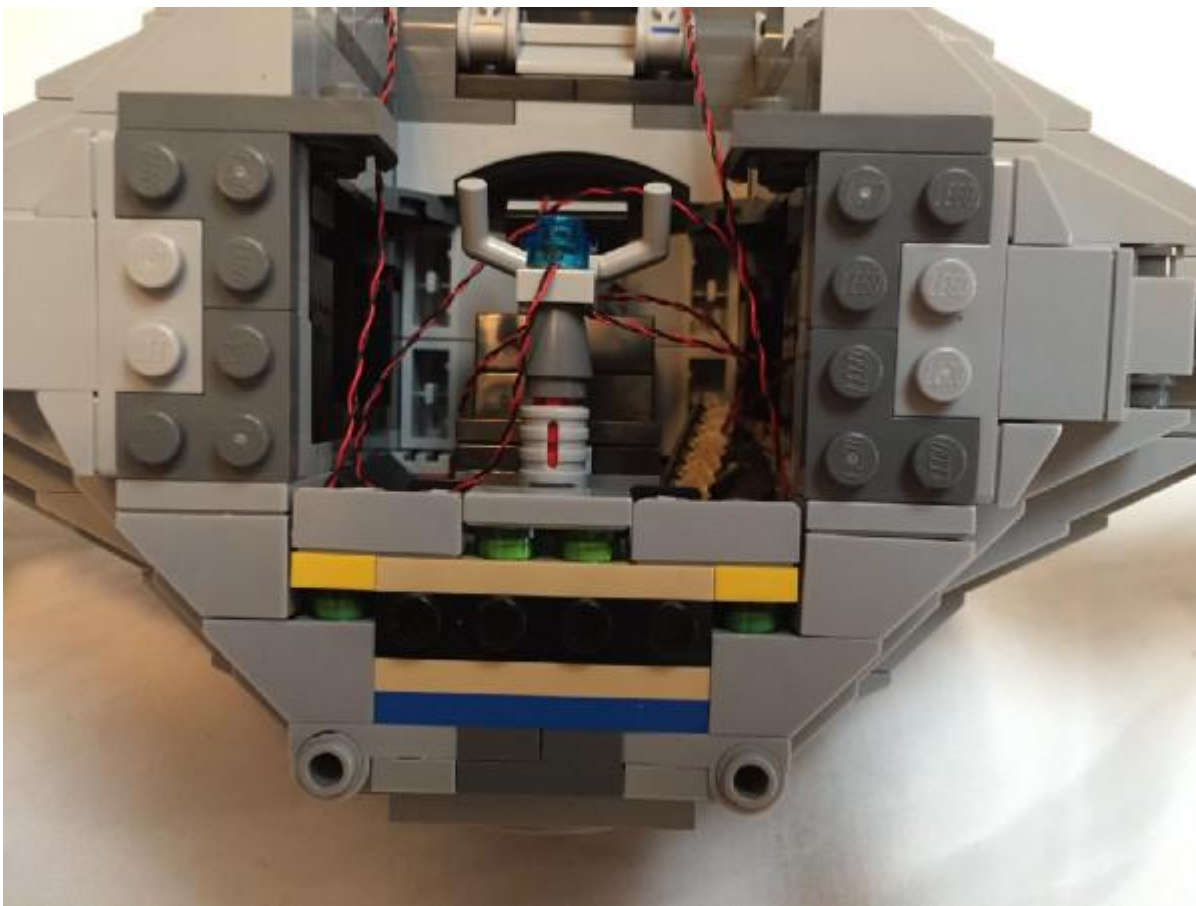
Pull the White 15cm Dot Light wire vertically up.

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

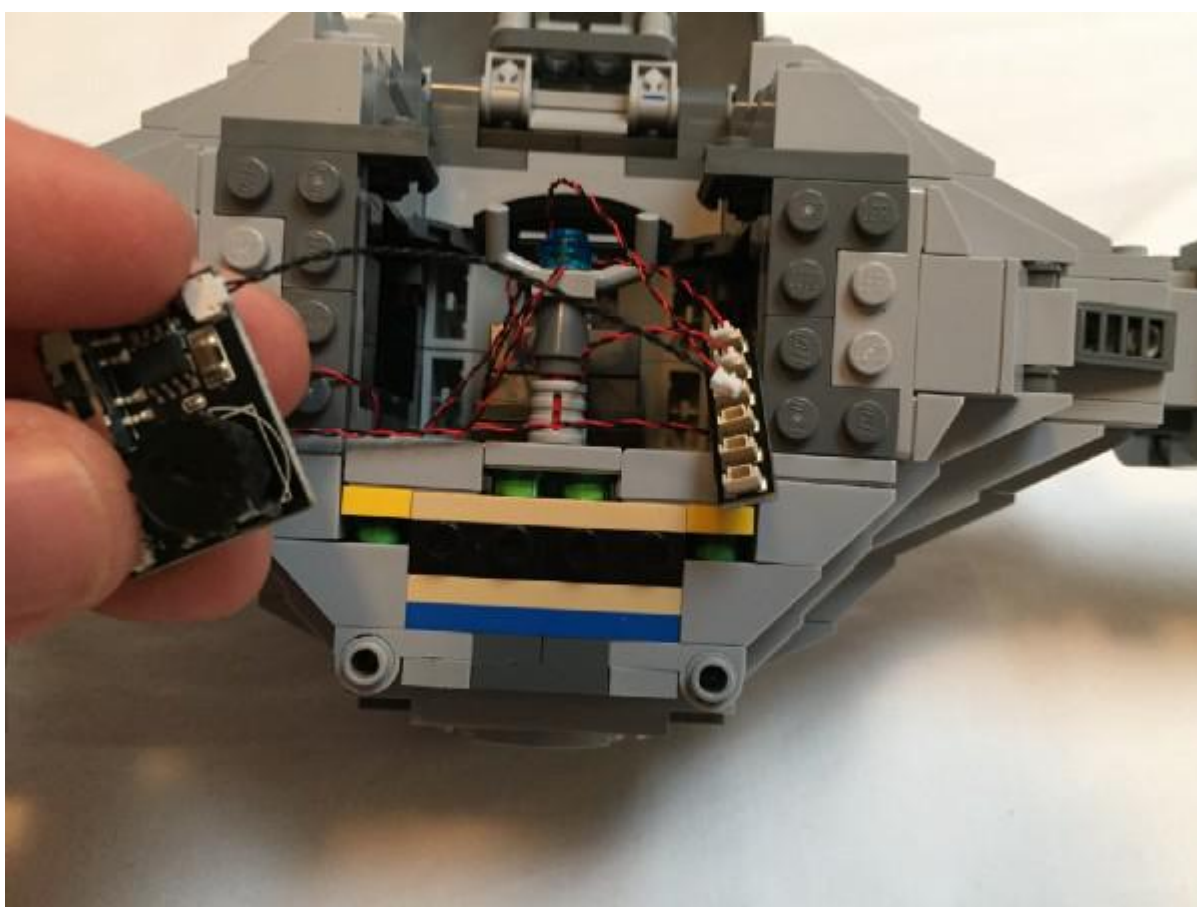
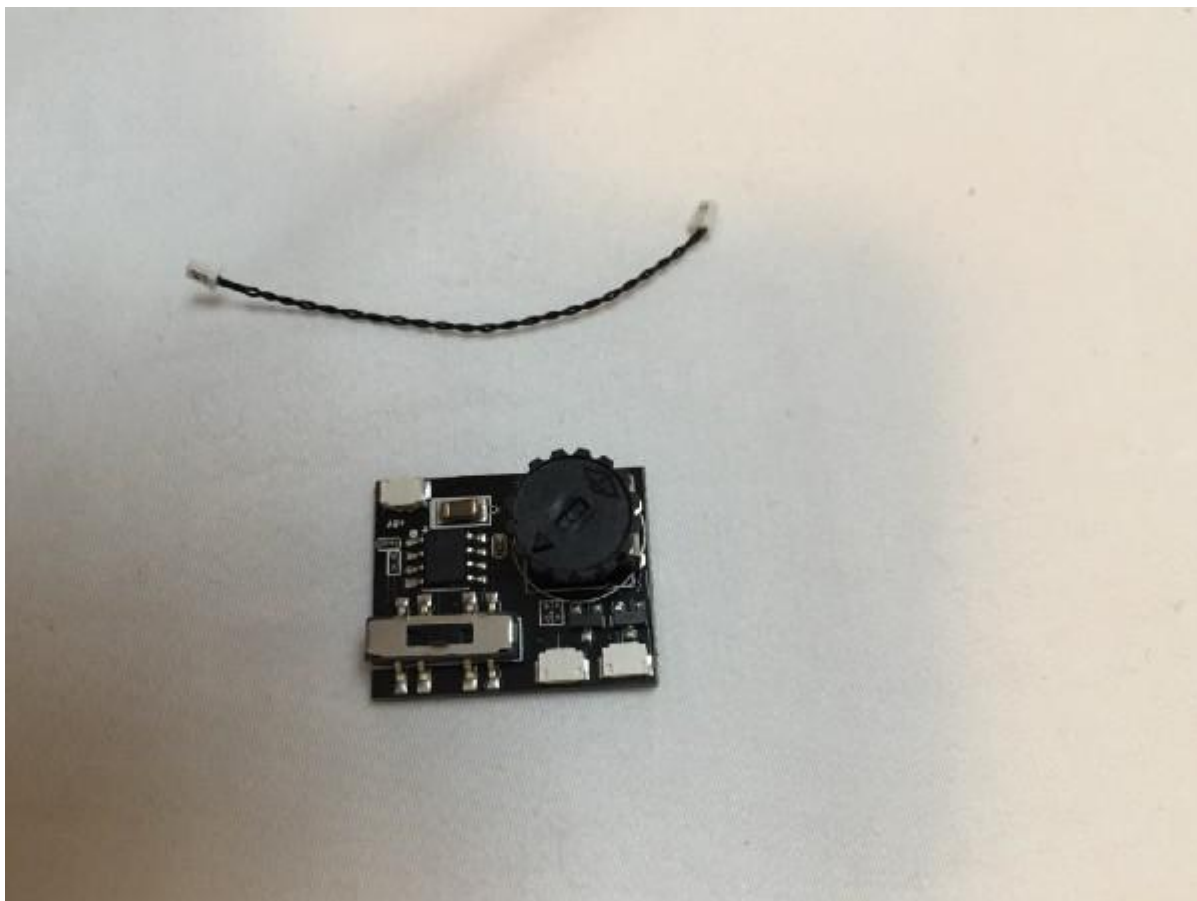


Put the two inverted slope pieces back in place.

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

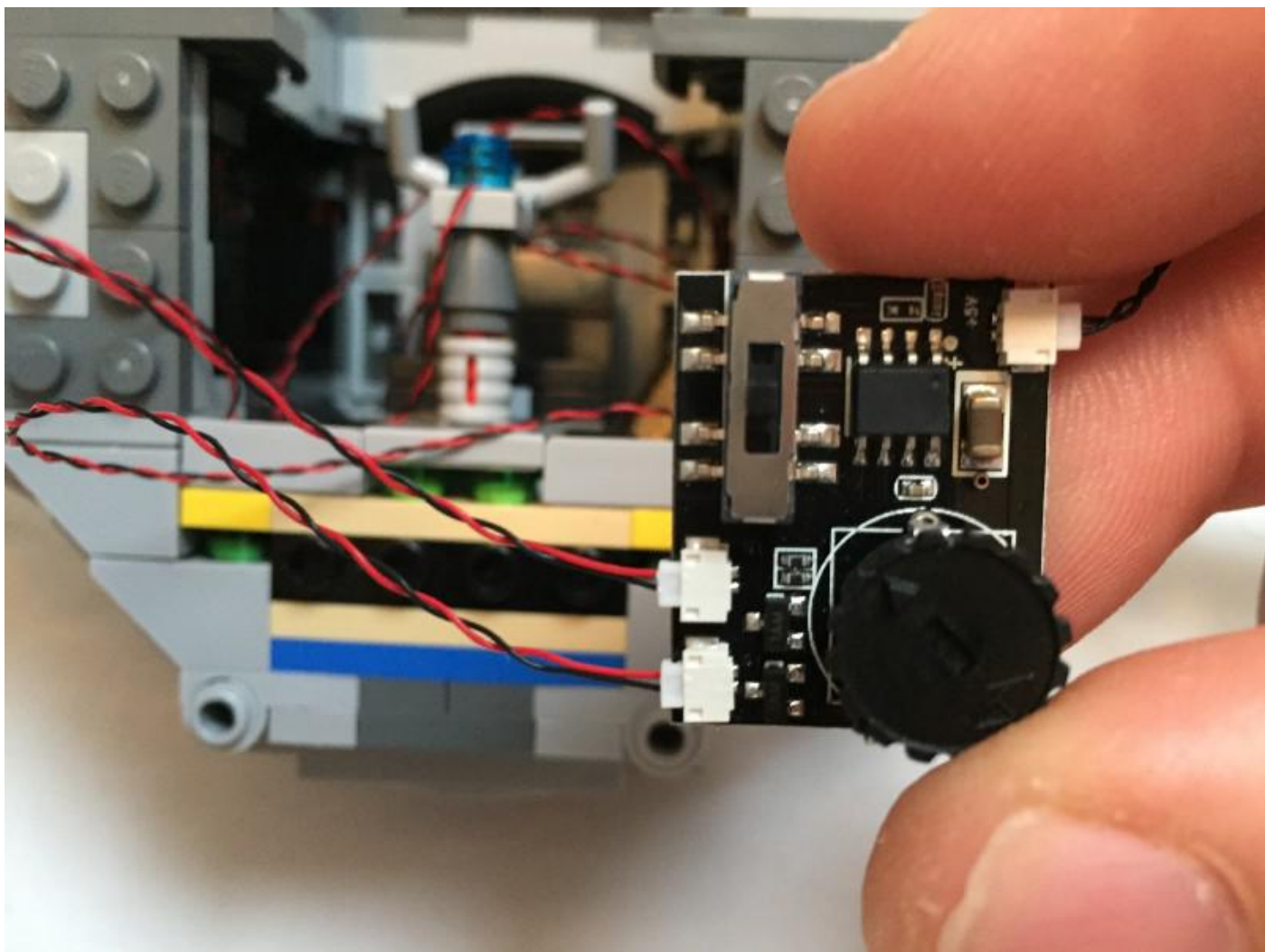


Once lights are installed on both sides, check that the plates on the bottom of the ship are still neatly joined together and close pieces together where necessary.

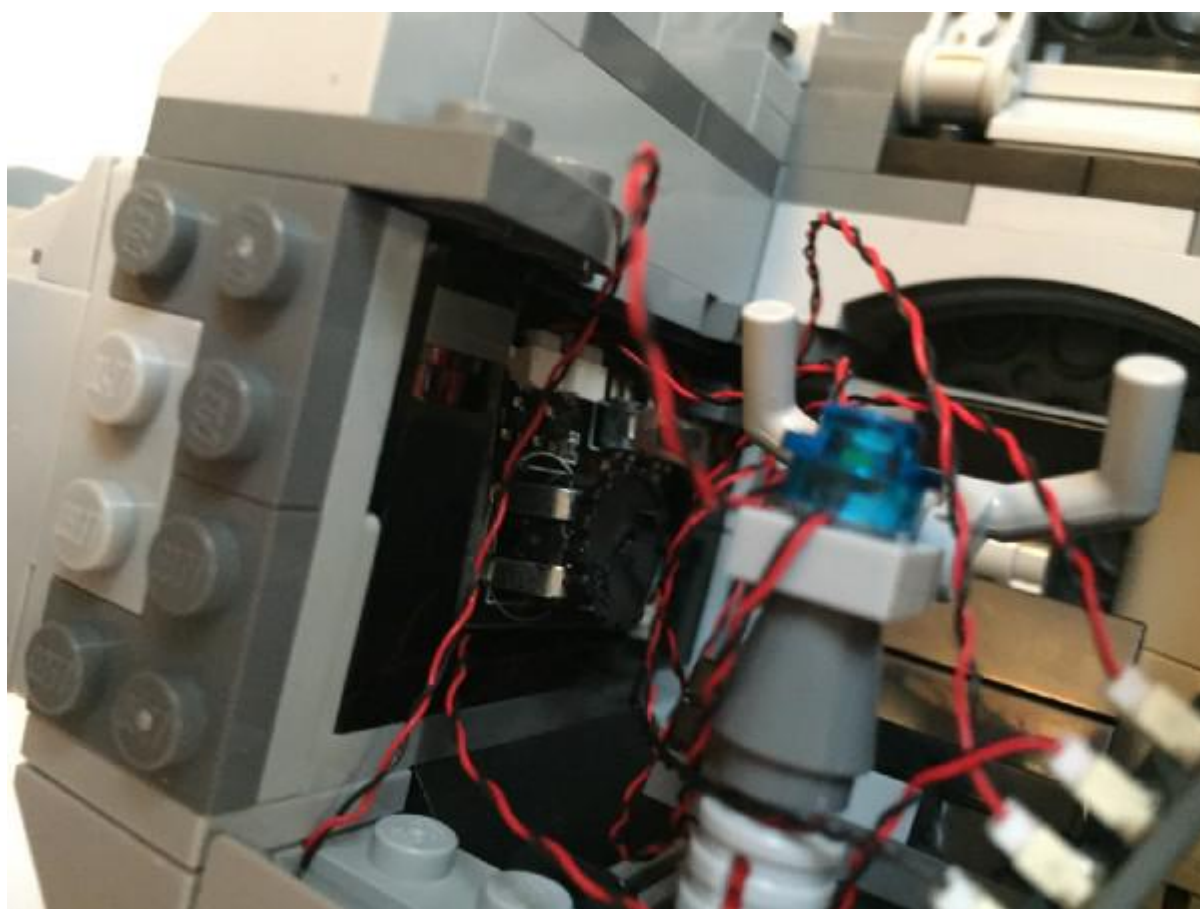
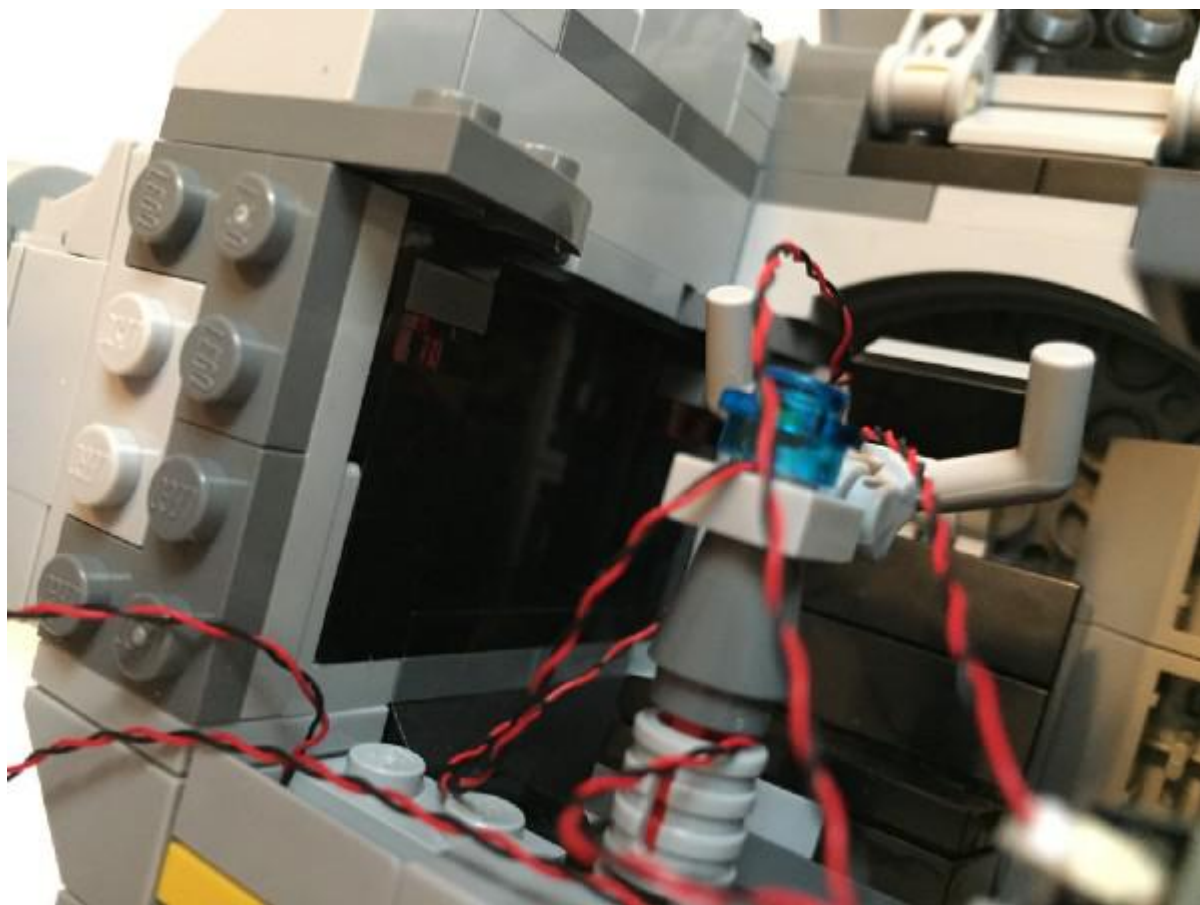


Grab the Multi-Effect Board and the 5cm Connecting Cable.
Plug one end of the 5cm Connecting Cable into the Multi-Effect Board and the other end into an

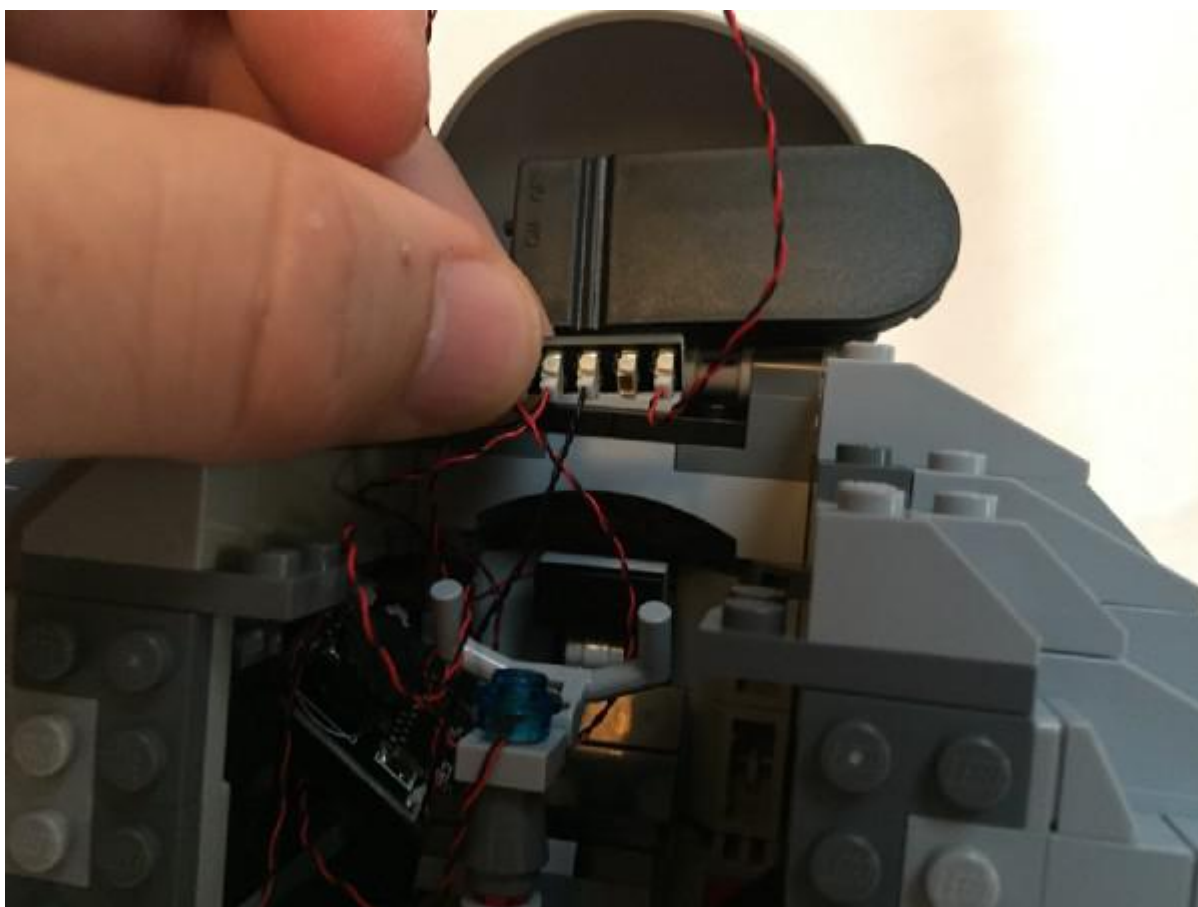
available port on the 6 Port Expansion Board.



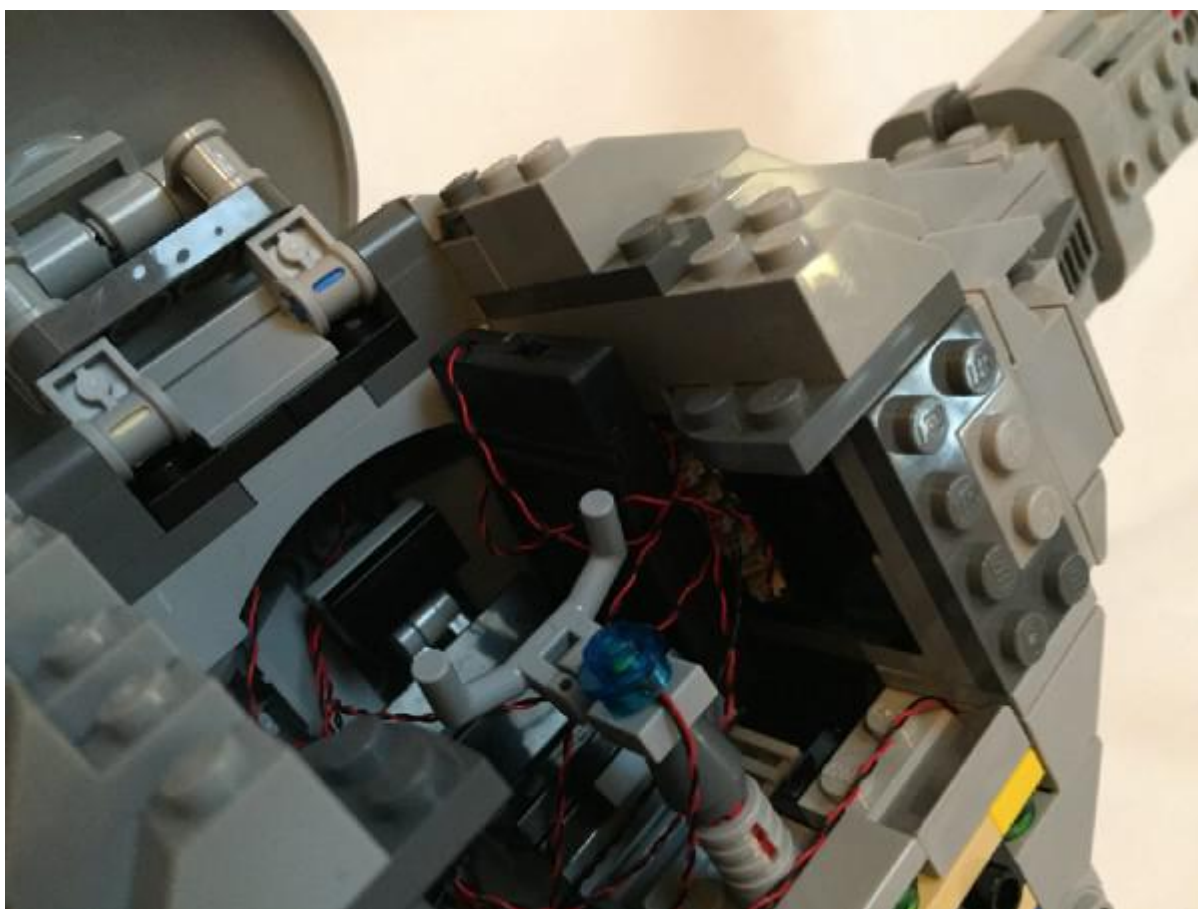
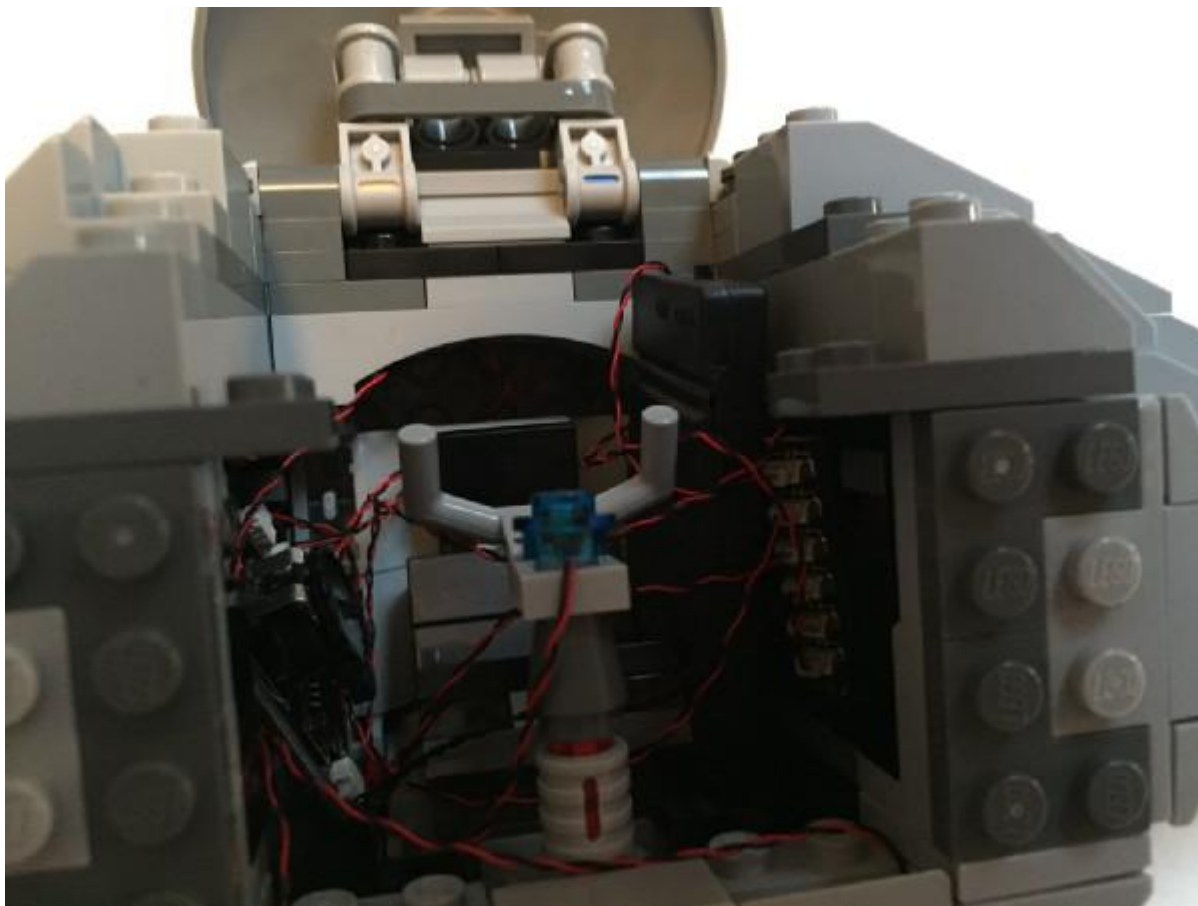
Connect the two White 15cm Dot Lights installed in the front of the ship to the Multi-Effect Board.



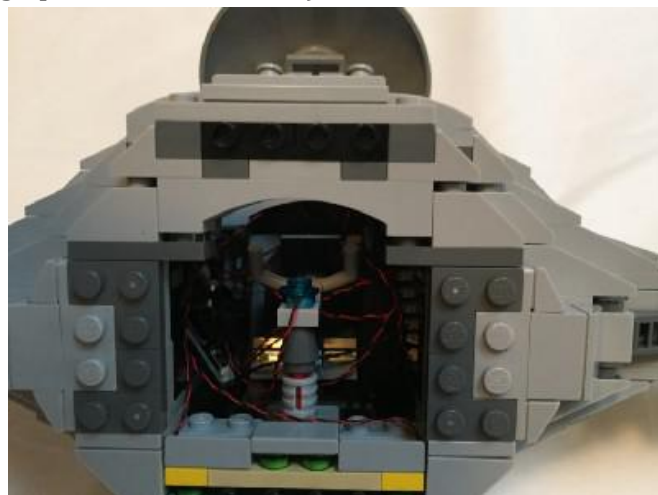
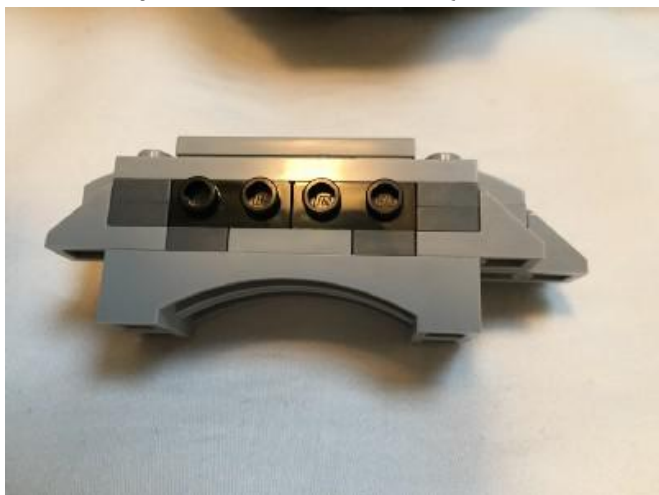
Slide the Multi-Effect Board into the left hand side of the ship (as it is facing now).
There is a cavity in the wall that the effect board can sit in or in front of.



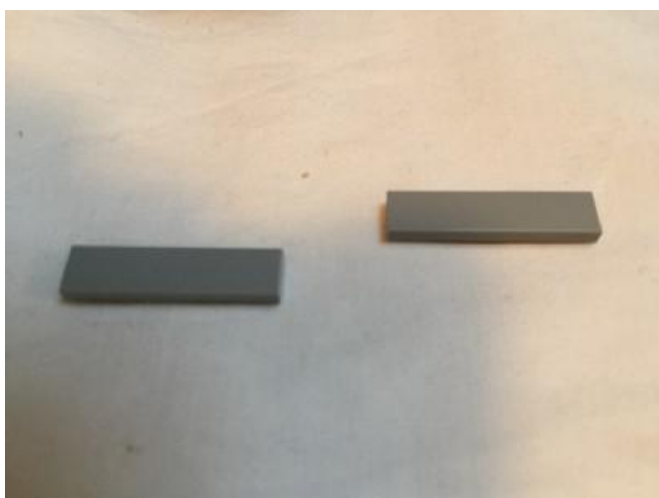
Grab the Flat Battery Pack and connect it to the 6 Port Expansion Board.



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).

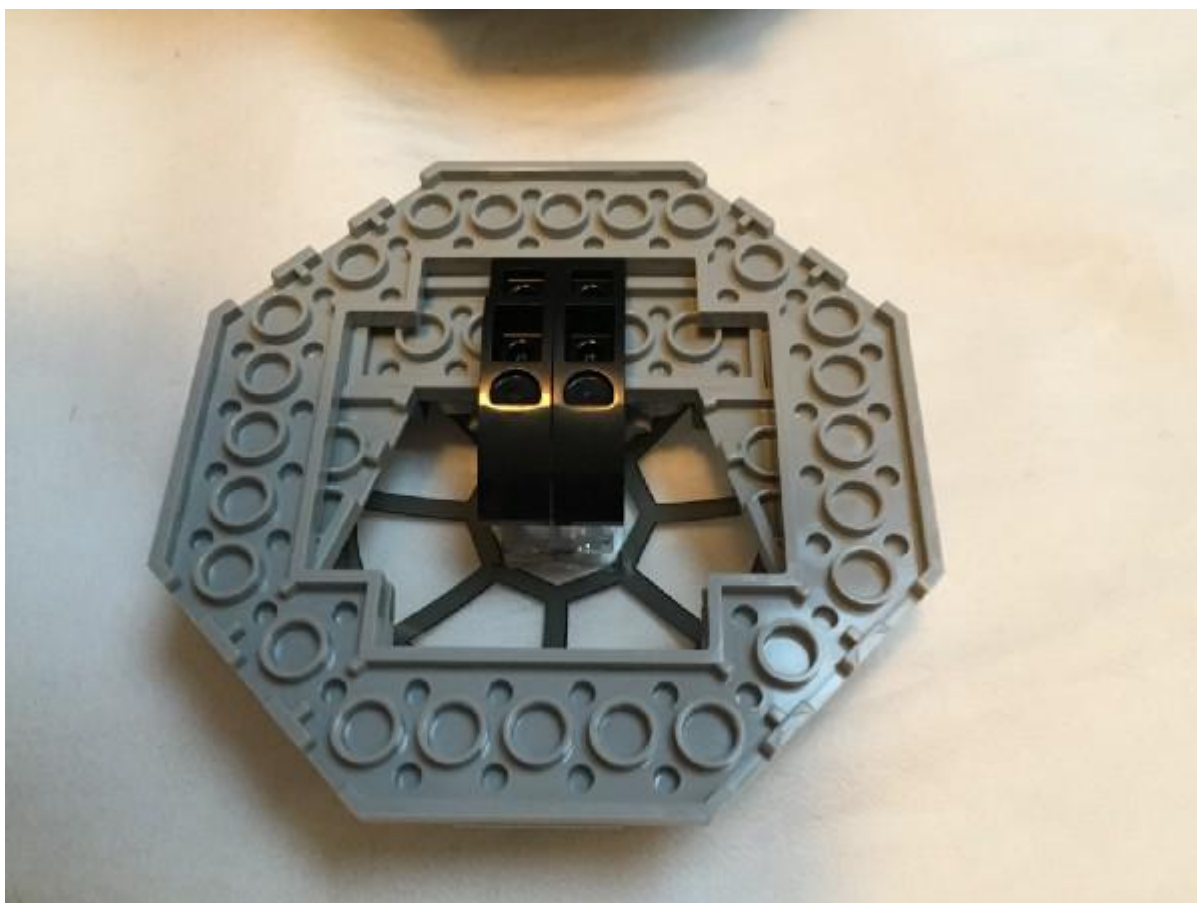


Reattach the arch piece to the front, top of the cockpit.





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





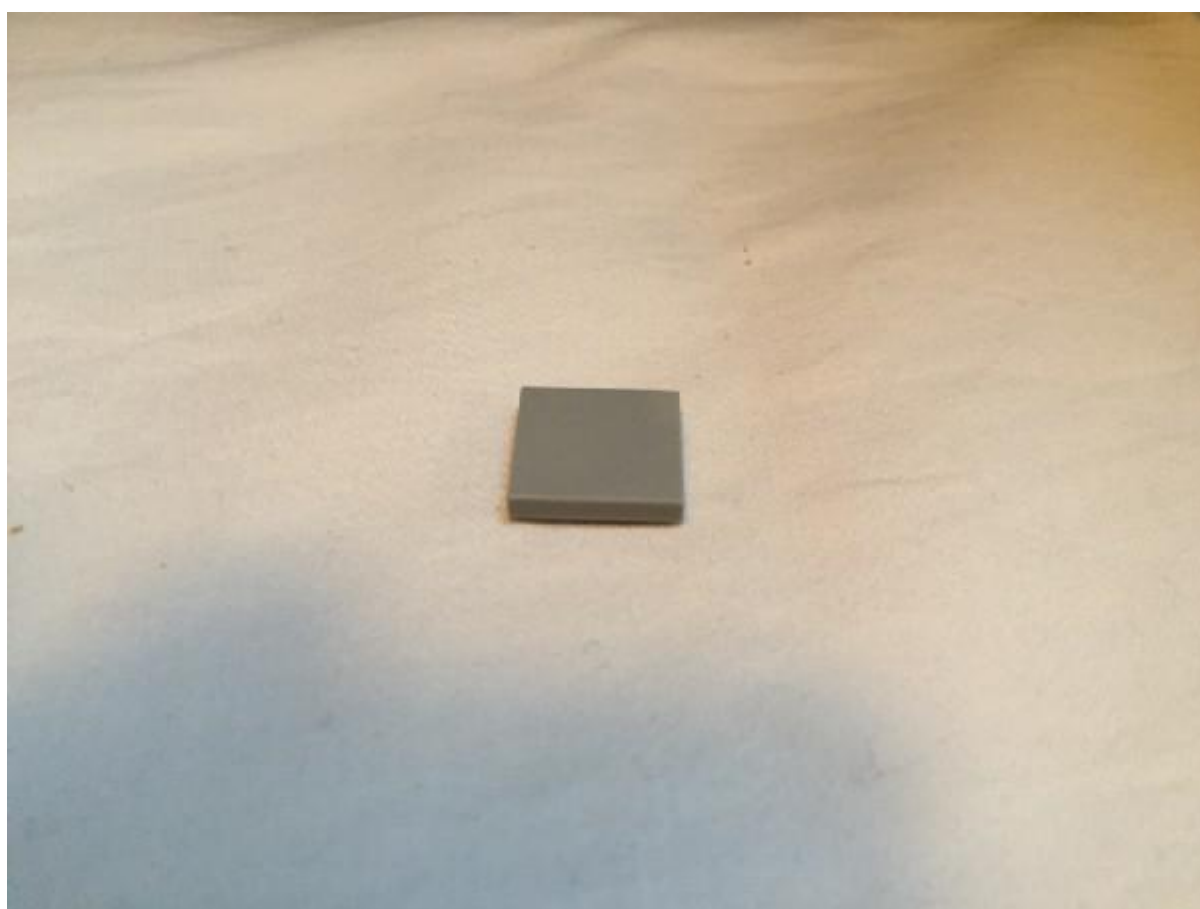
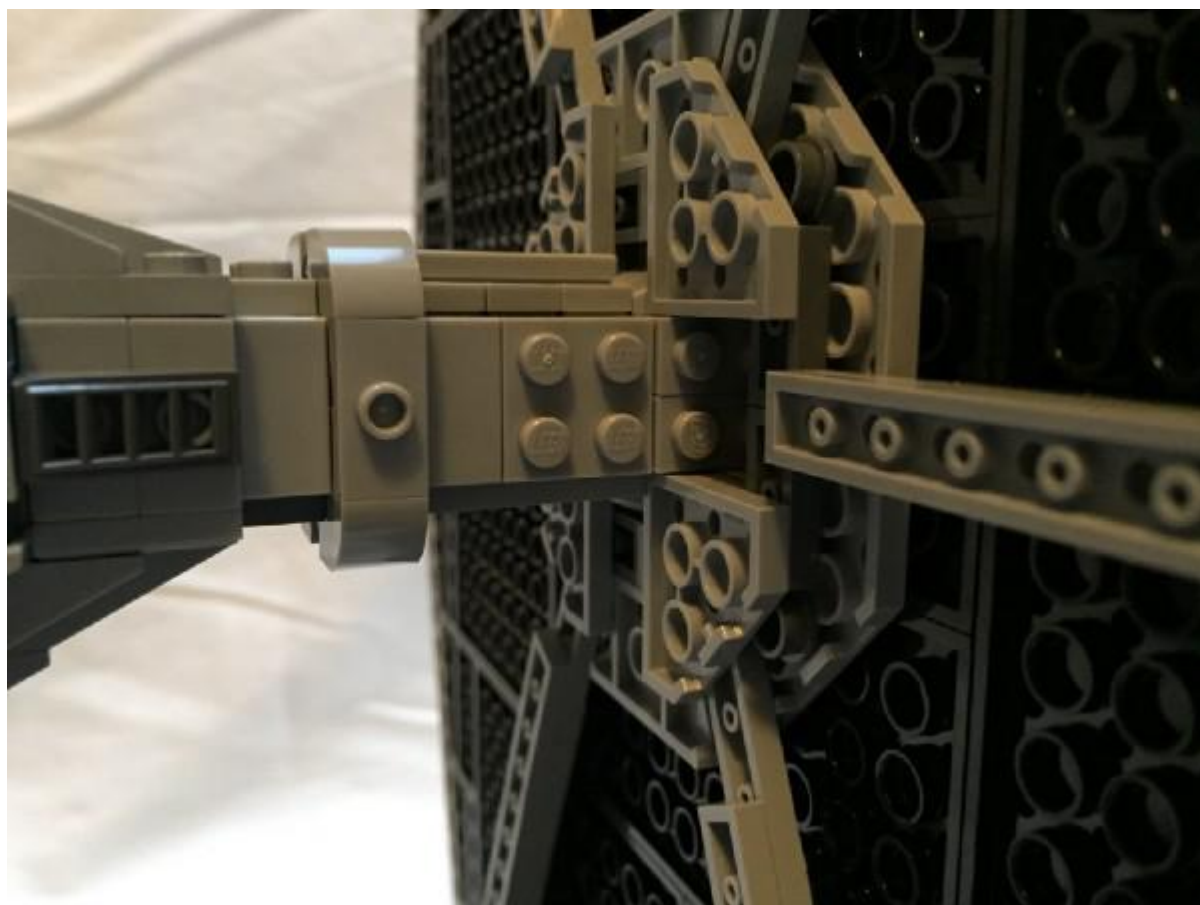
Reattach the octagonal piece to the front of the ship.

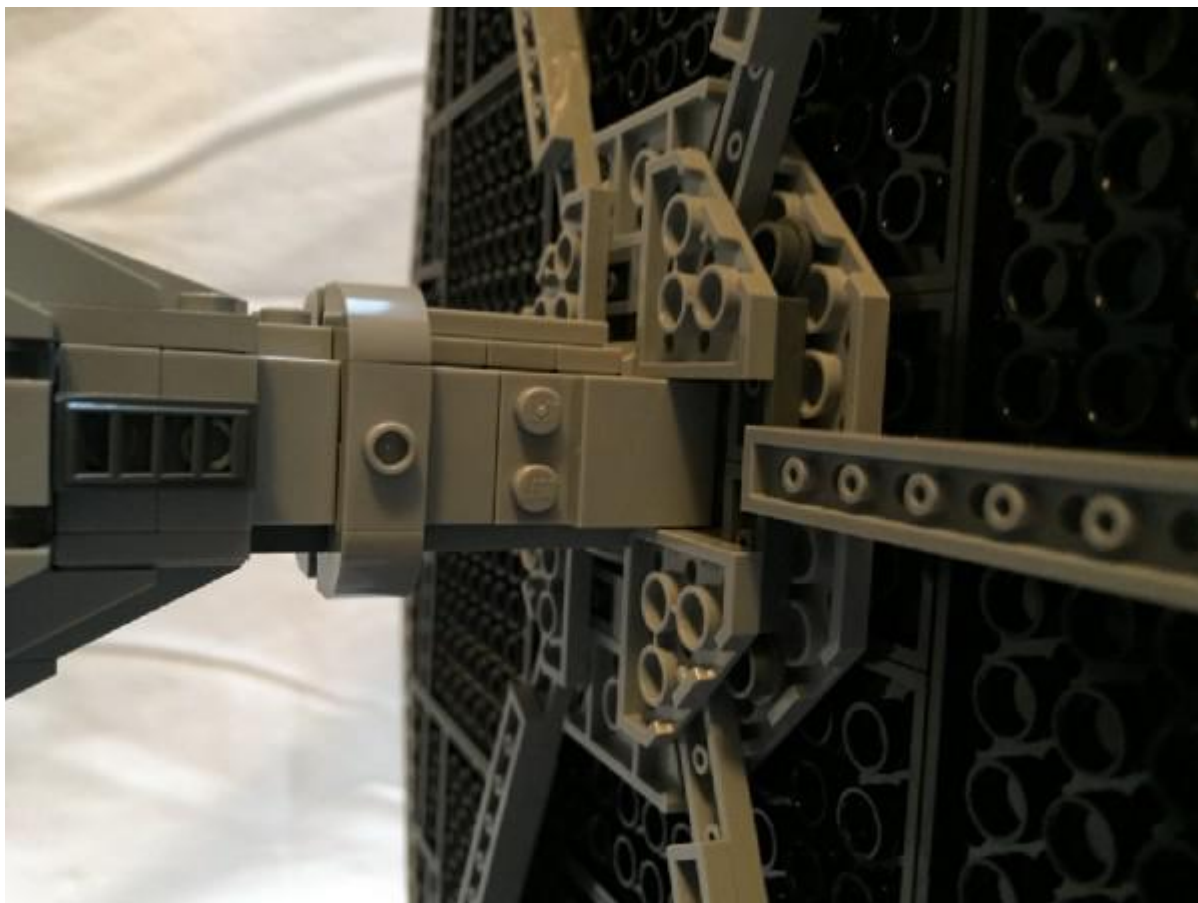


Reconnect the trans red lampshade

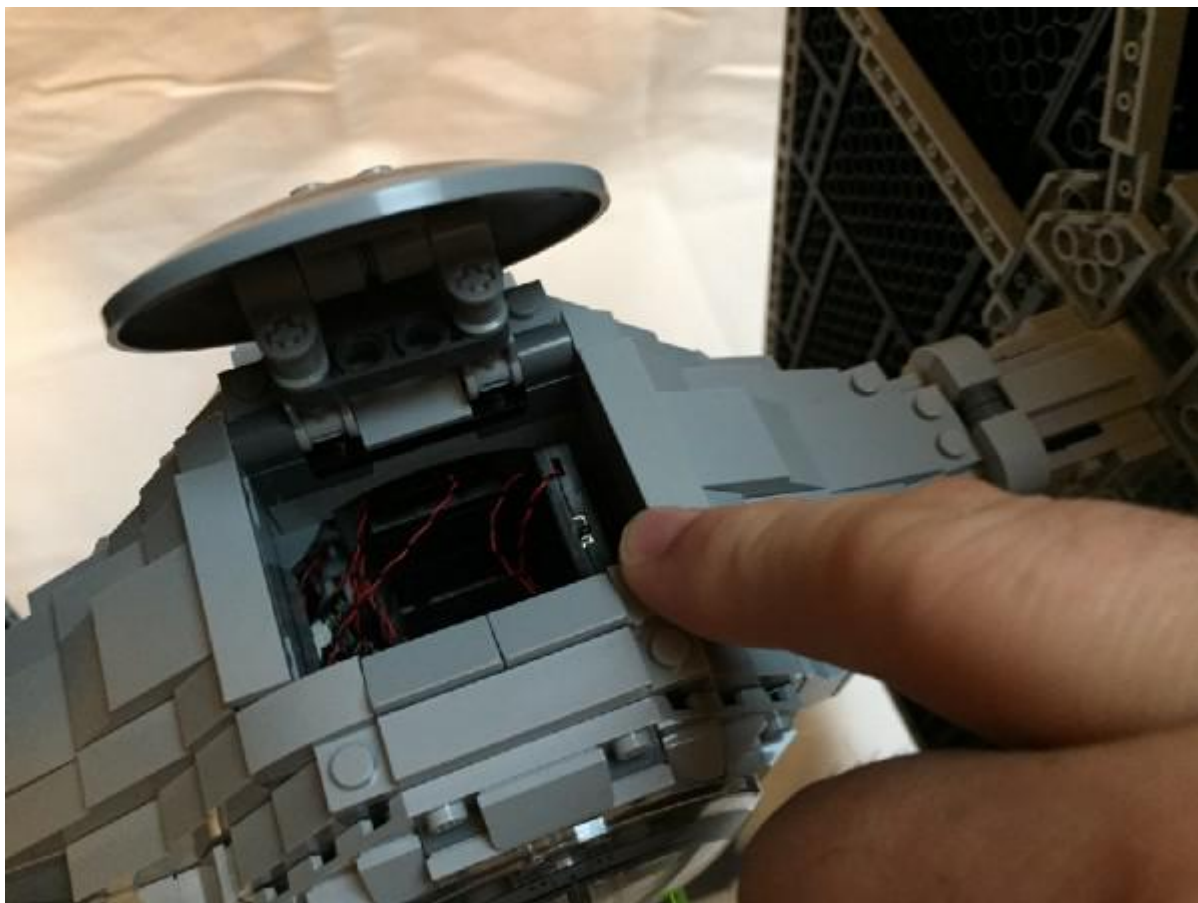
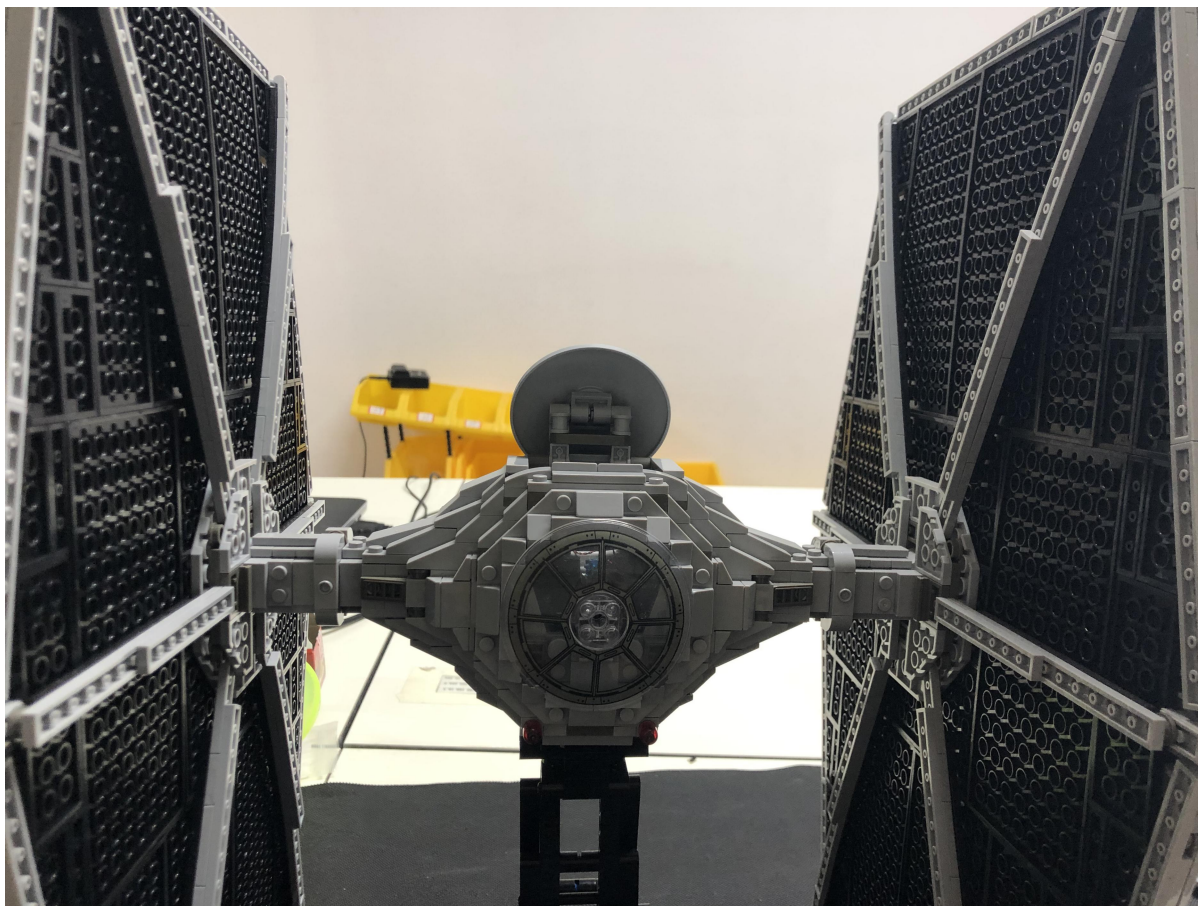


Put the ship back on the stand and get ready to reattach the wings.
Feel free to attach the wings with the ship off the stand if you want to.





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.



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



