

75192

### Package contents:

- 10x White 30cm Dot Lights
- 8x Red 30cm Dot Lights
- 2x Blue 30cm Dot Lights
- 2x Flashing White 30cm Dot Lights
- 6x White Strip Lights
- 1x Multi Effects Board
- 5x 6-Port Expansion Boards
- 1x 12-Port Expansion Board
- 4x 30cm Connecting Cables
- 8x 5cm Connecting Cables
- 8x Adhesive Squares
- 1x AA Battery Pack

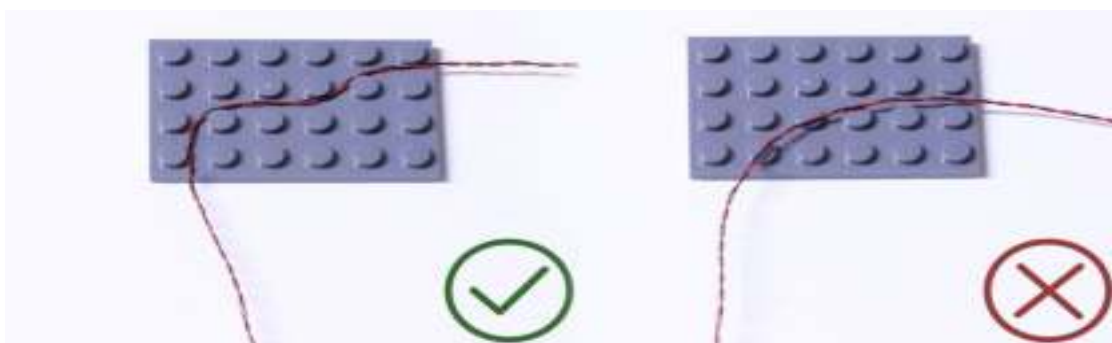
### Plate Pieces:

- 10x Trans Red Round Plate 1x1
- 1x Trans Clear Round Plate 1x1

### Note:

Place wires on the surface or under the building blocks.

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

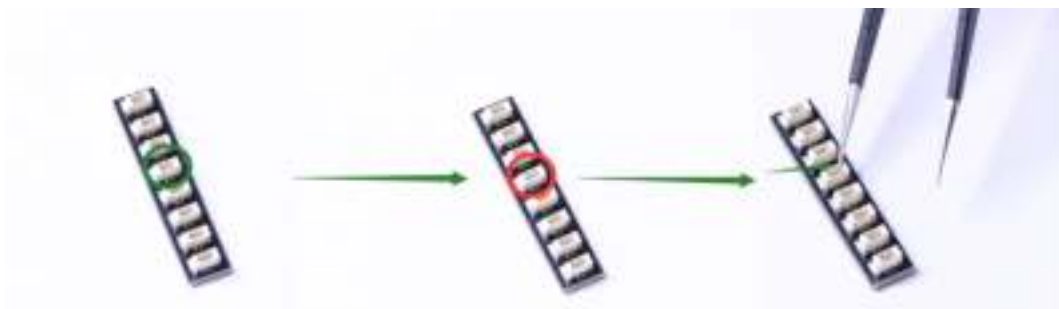


Insert the connectors to the ports.

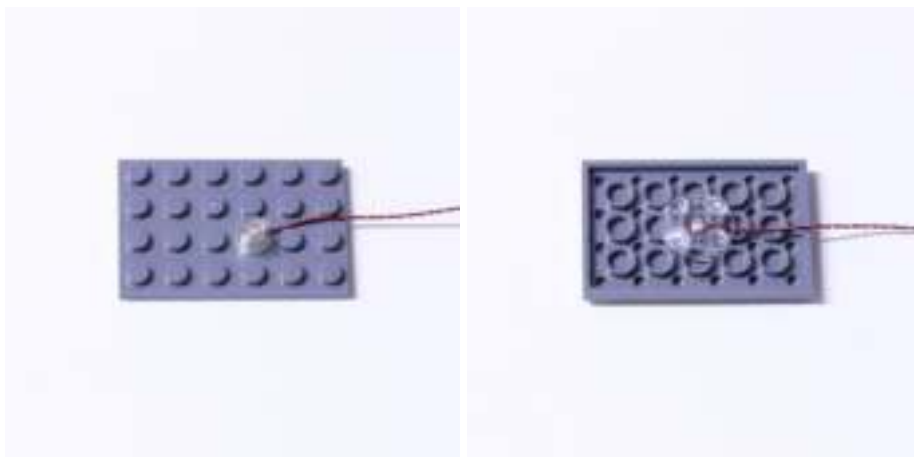
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, 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.



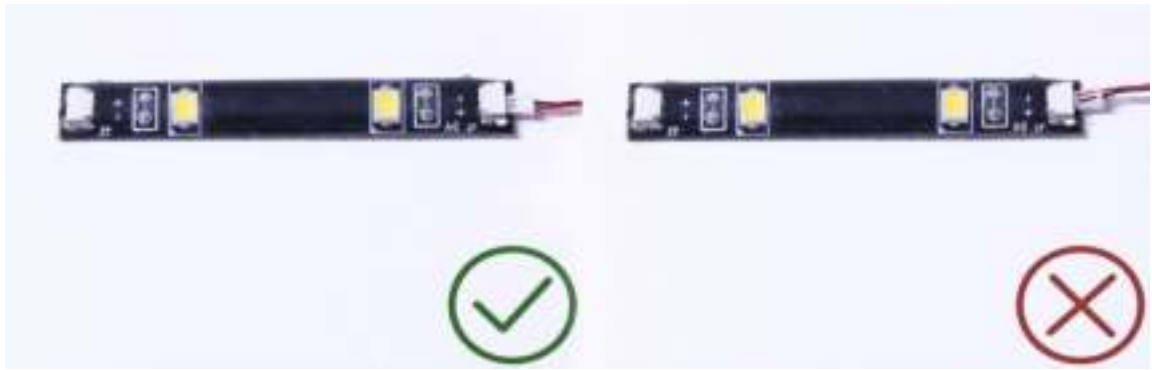
When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.



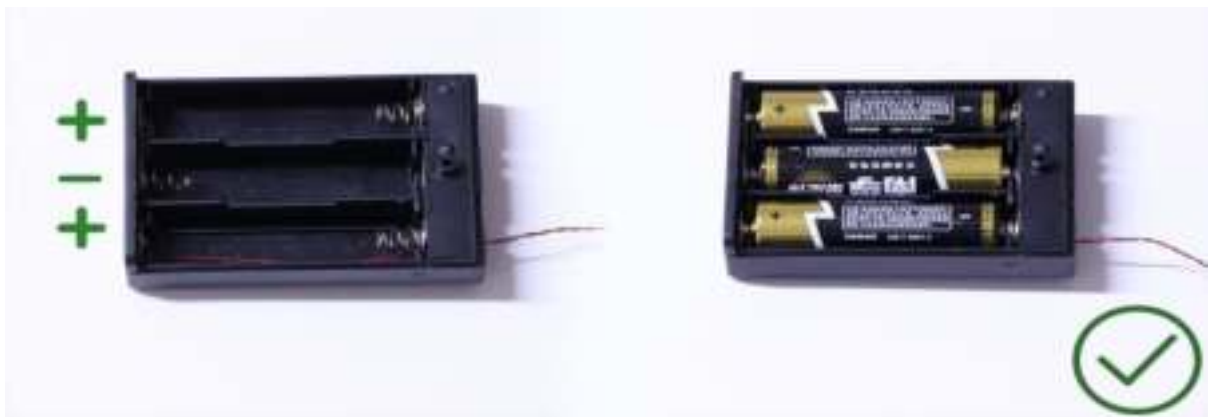
### Connecting cable connectors to Strip Lights

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

Start by removing the top sections of the back half of the Falcon as per below:



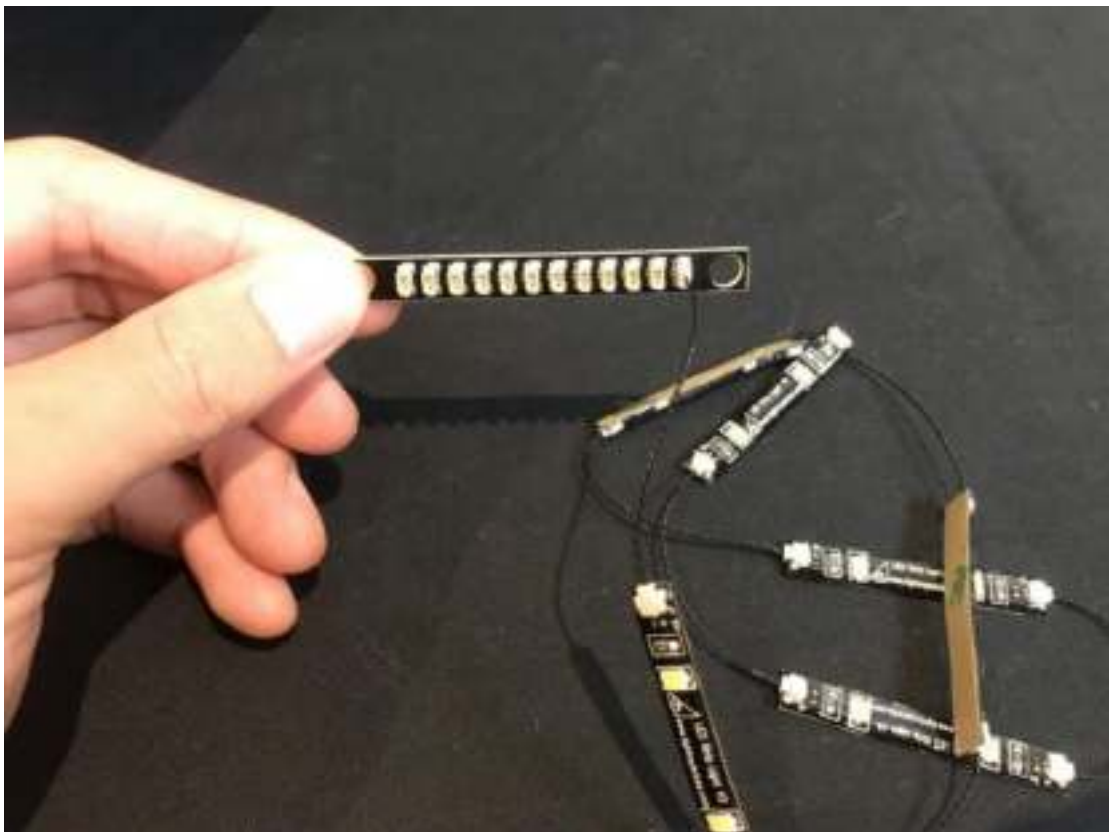


Take 6x White Strip Lights and 6x 5cm Connecting Cables and then connect them all together. Leave one end of the connecting cables spare as shown below:



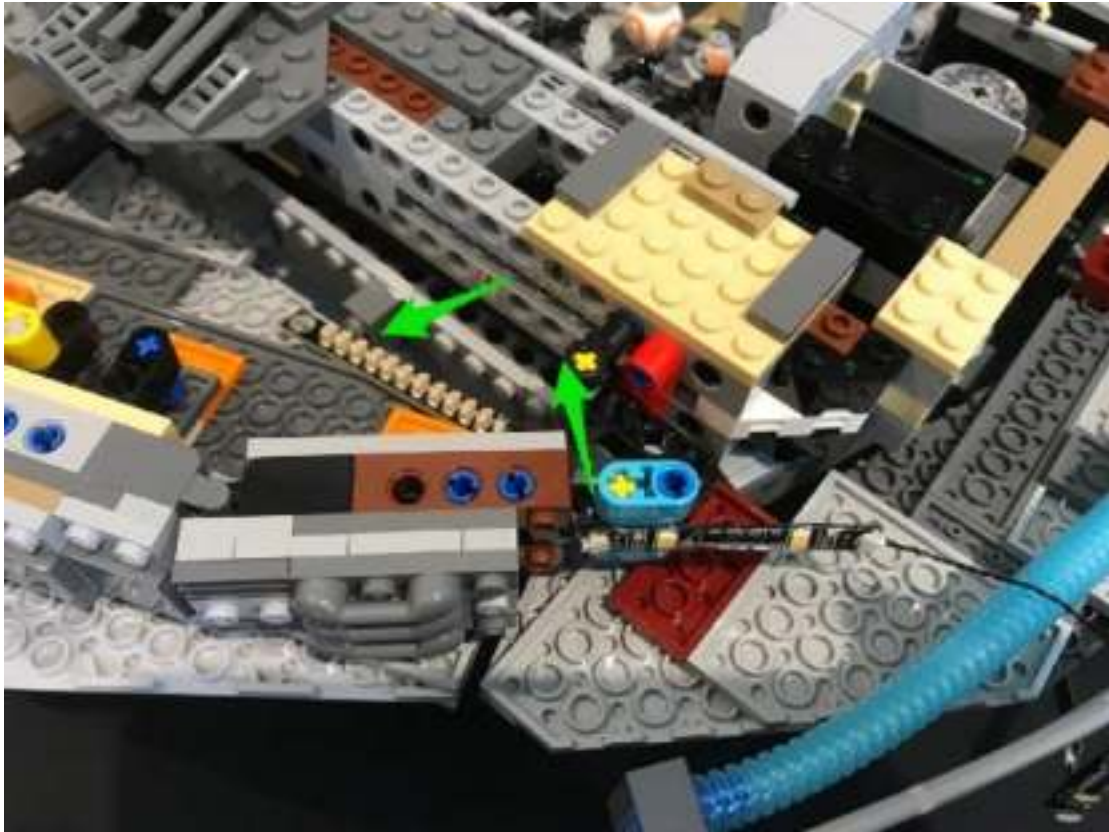


Take the 12-port Expansion Board and connect the connecting cable with the spare end to the port furthest to the right.

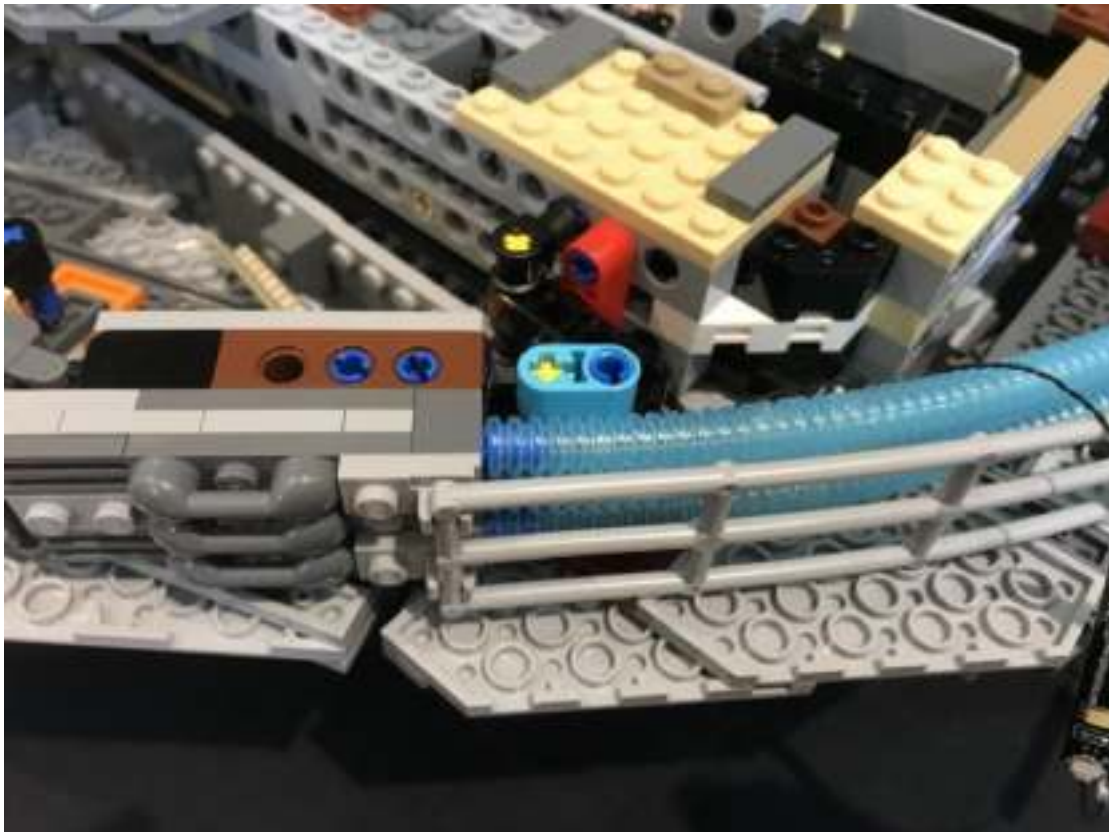


Disconnect the outer section of the back jets(left side) and then stick the first strip light (closest to the expansion board) down using it's adhesive backing. Pull the cable and expansion board over the left side so that it is sitting inside the falcon then reconnect the outer section of the back jets(left side).

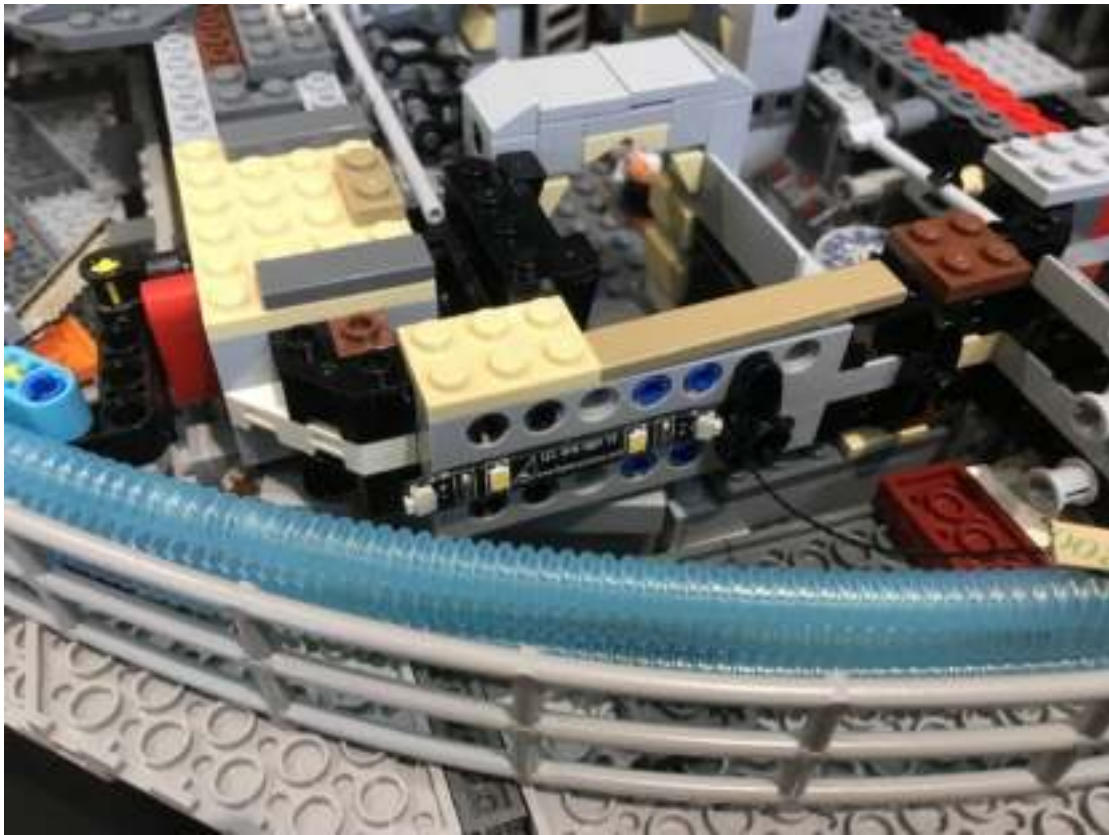




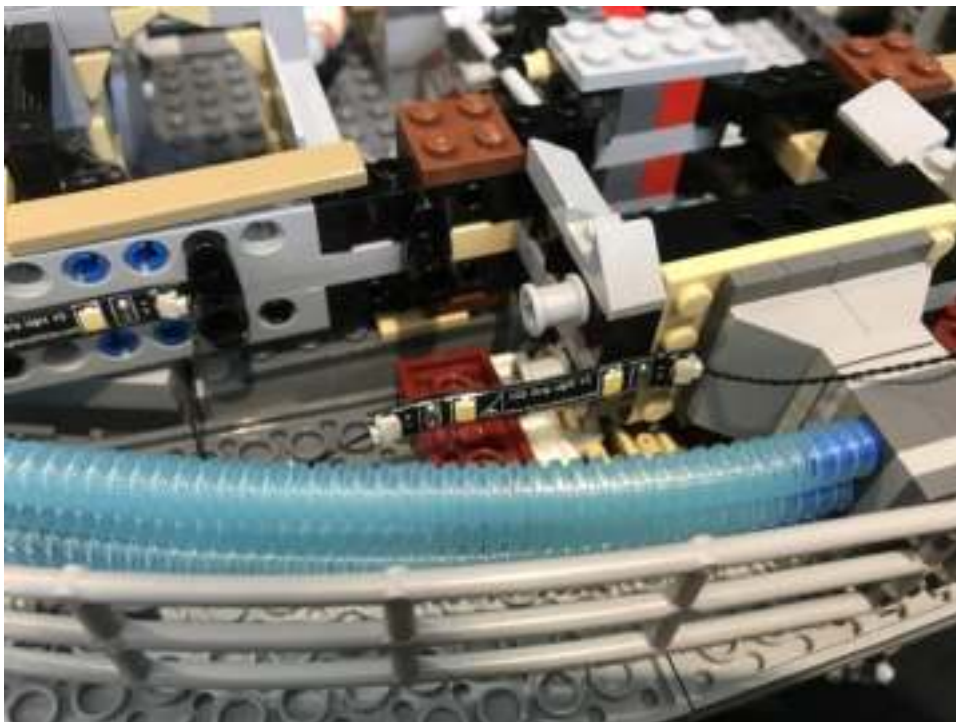
Reconnect the outer section of the back jets.



Stick the second strip light (using it's adhesive backing) to the section as per below image.

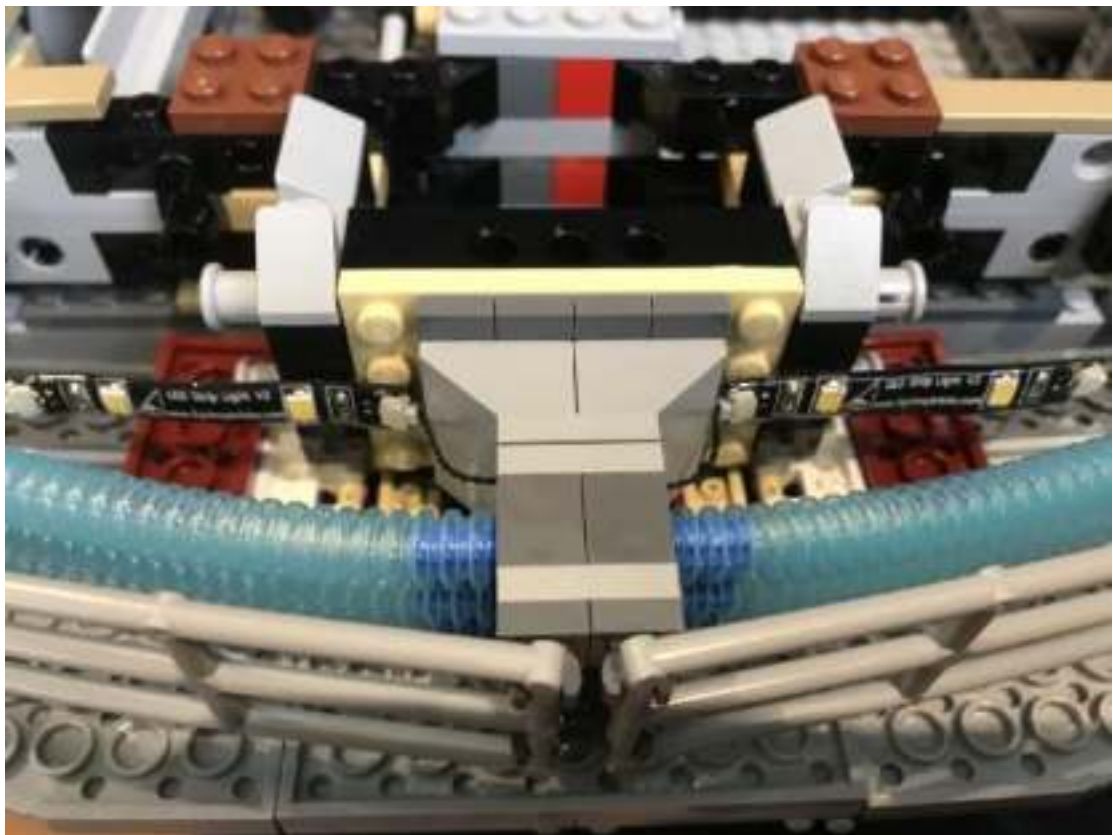


Stick the third strip light to the same positions as in the below images. Note that we will only be sticking down about 5cm of the strip light.

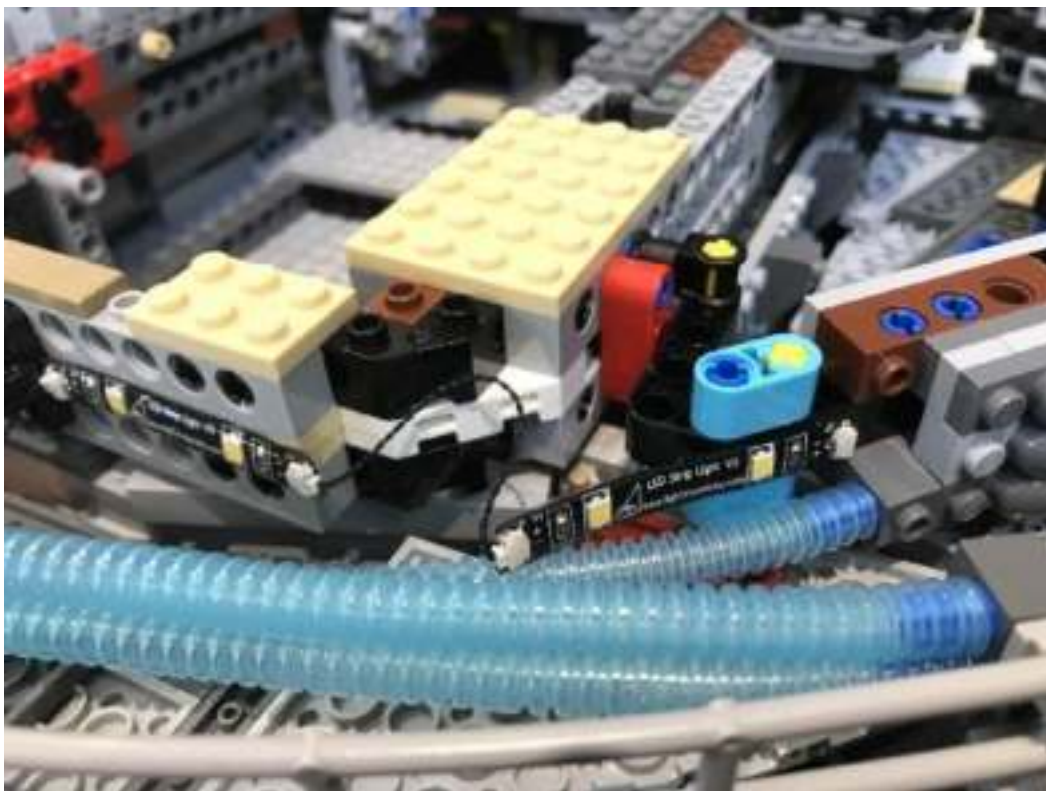
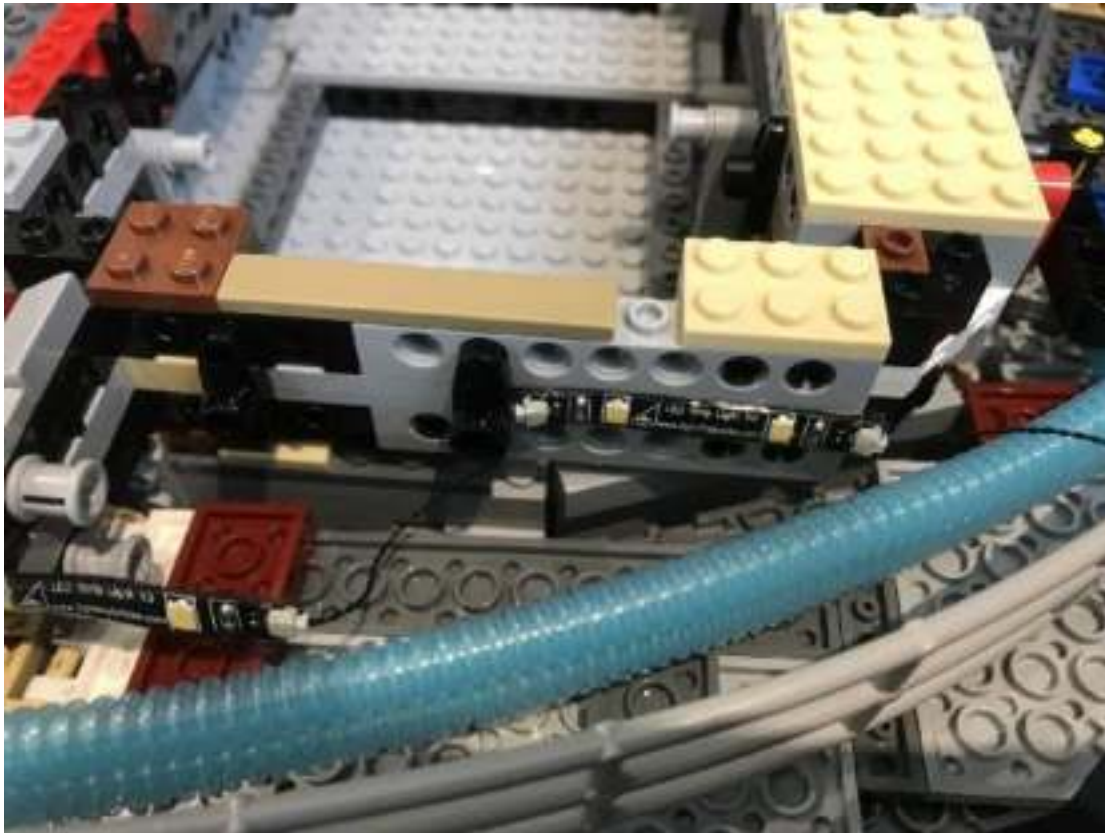


Disconnect the middle section of the back jets and then lay the cable that leads to the fourth strip light in between studs. Stick the fourth strip light in the below position (again using only .5cm of the left side of the strip light) and then reconnect the middle section to secure the cable in place.





Stick the fifth and sixth strip lights down to the following positions ensuring you disconnect the back jet at the right side before sticking down the sixth strip light.



Reconnect the back jet at the right side.



Take the AA Battery Pack and insert 3x AA batteries to it. Connect the battery pack cable to the 12-port expansion board and then turn the battery pack ON to test the lights for the back jets.







Place the battery pack down underneath the expansion board and inside the back section of the inside of the falcon.



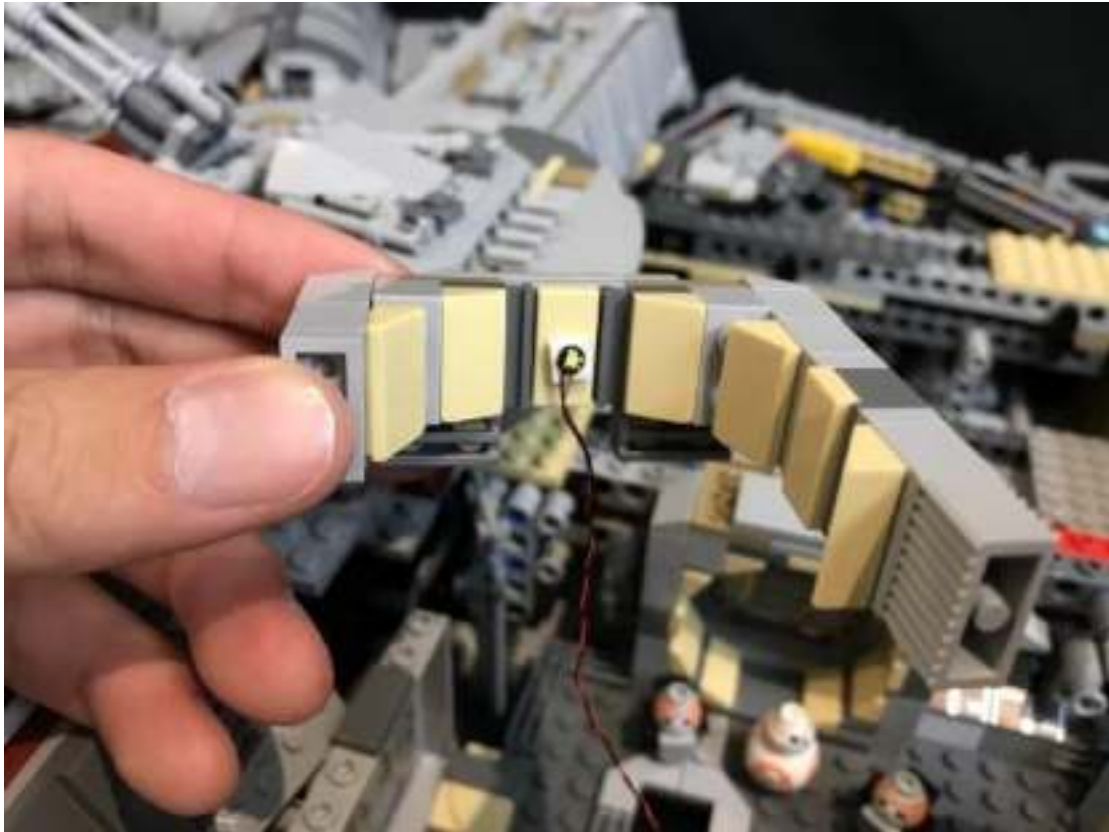
We will now light the interior cabin section closest to the back. Start by disconnecting the corridor section to the left.





Take an Adhesive Square and stick it underneath this section. Take White 30cm Dot Light and stick it down to the adhesive square with the cable facing down as per below.



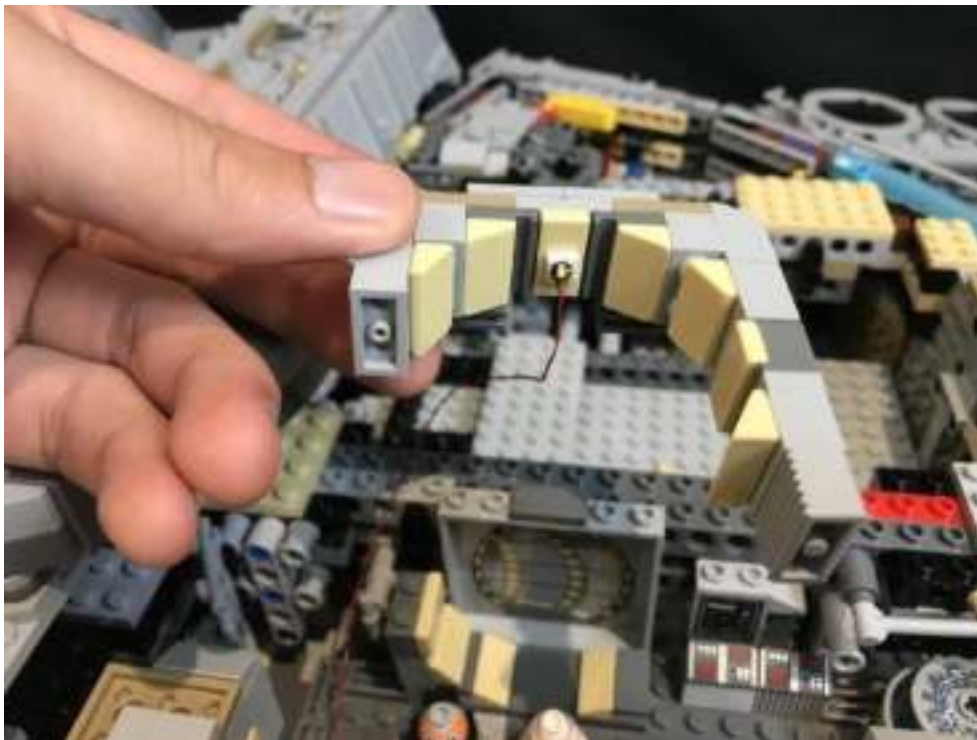


Reconnect this corridor section ensuring the cable is facing behind then pull the cable behind and then down the centre of the falcon.

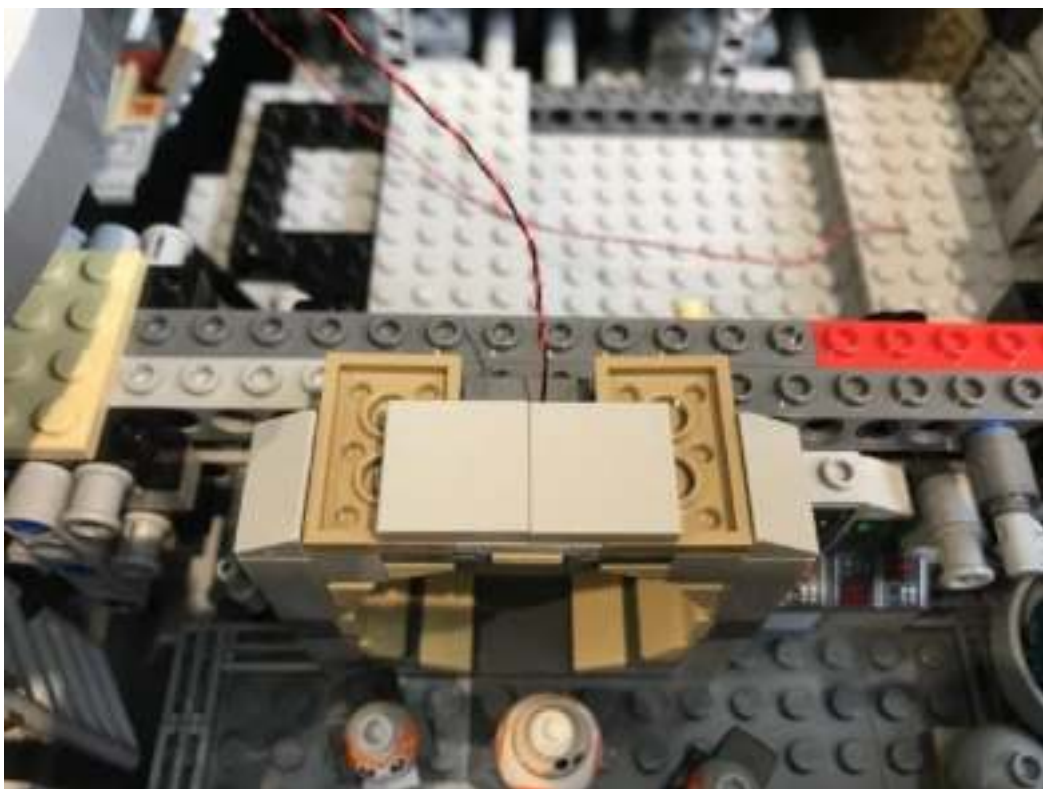


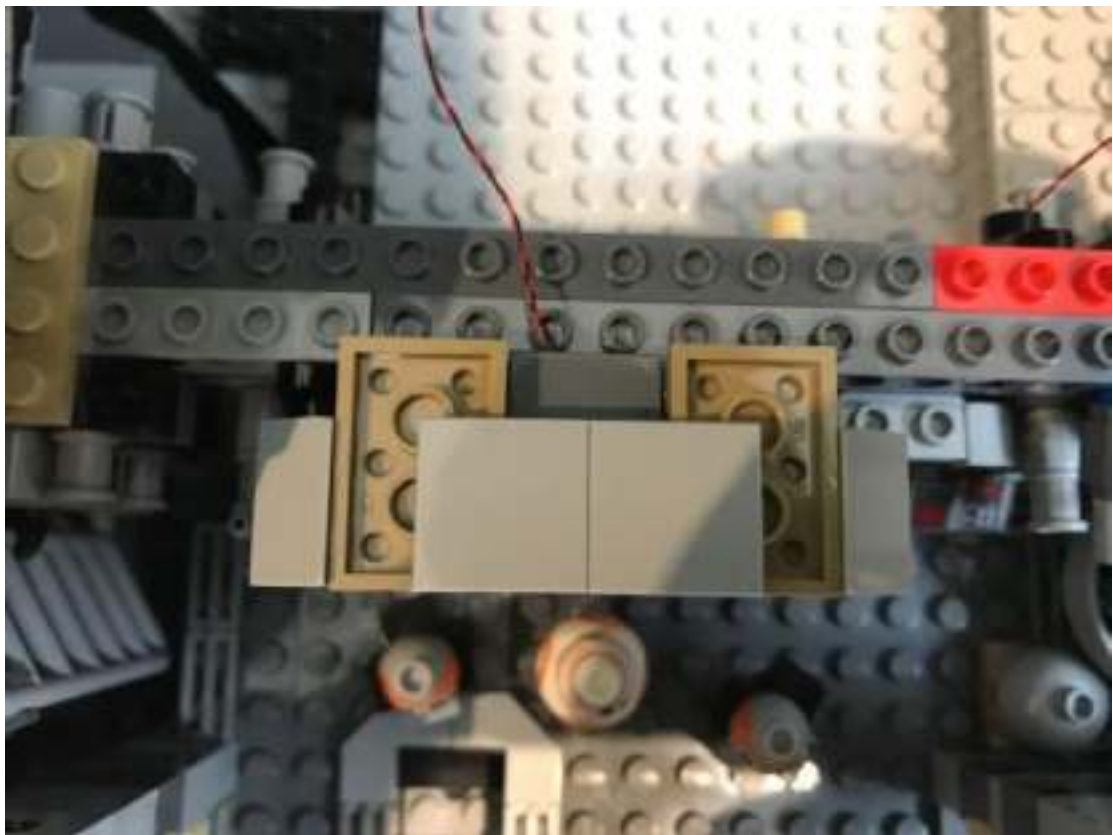
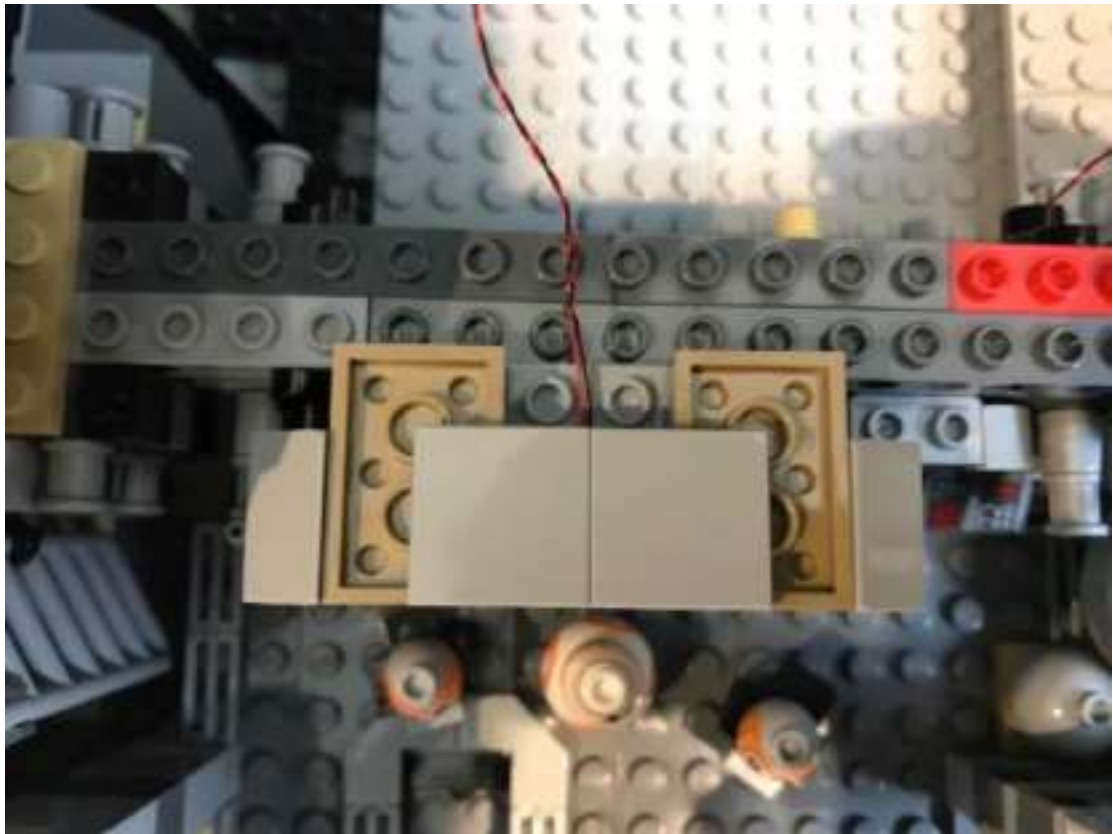


Disconnect the corridor section in the middle and then take an Adhesive Square and stick it underneath this section. Take a White 30cm Dot Light and stick it down to the adhesive square with the cable facing down as per below.



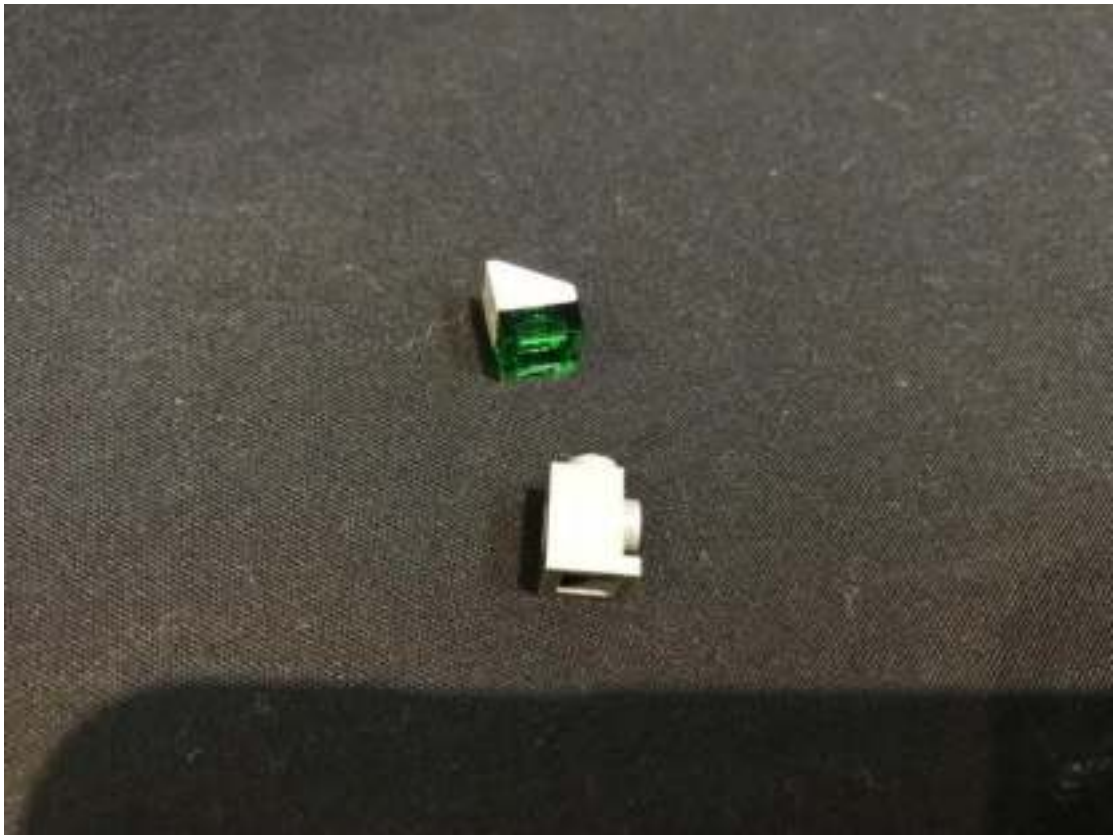
Reconnect this corridor section ensuring the cable is facing behind. Secure the cable by laying in between studs underneath the dark grey 2x2 plate.



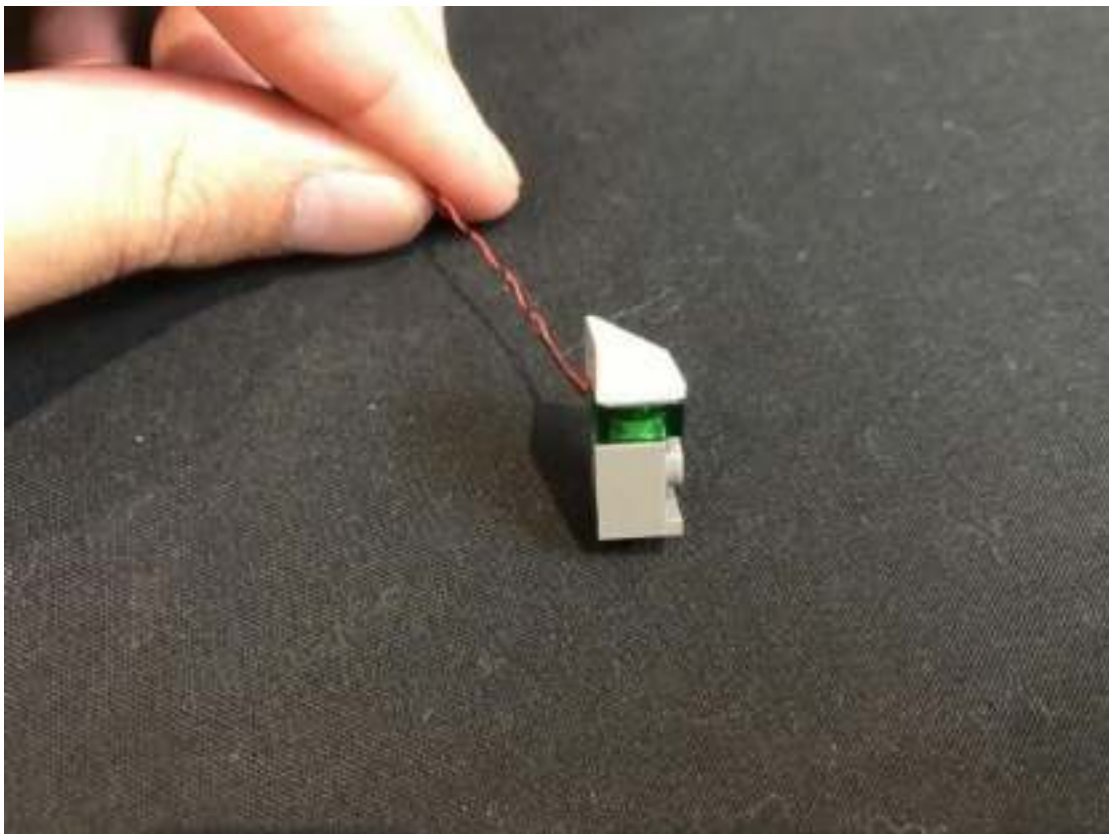
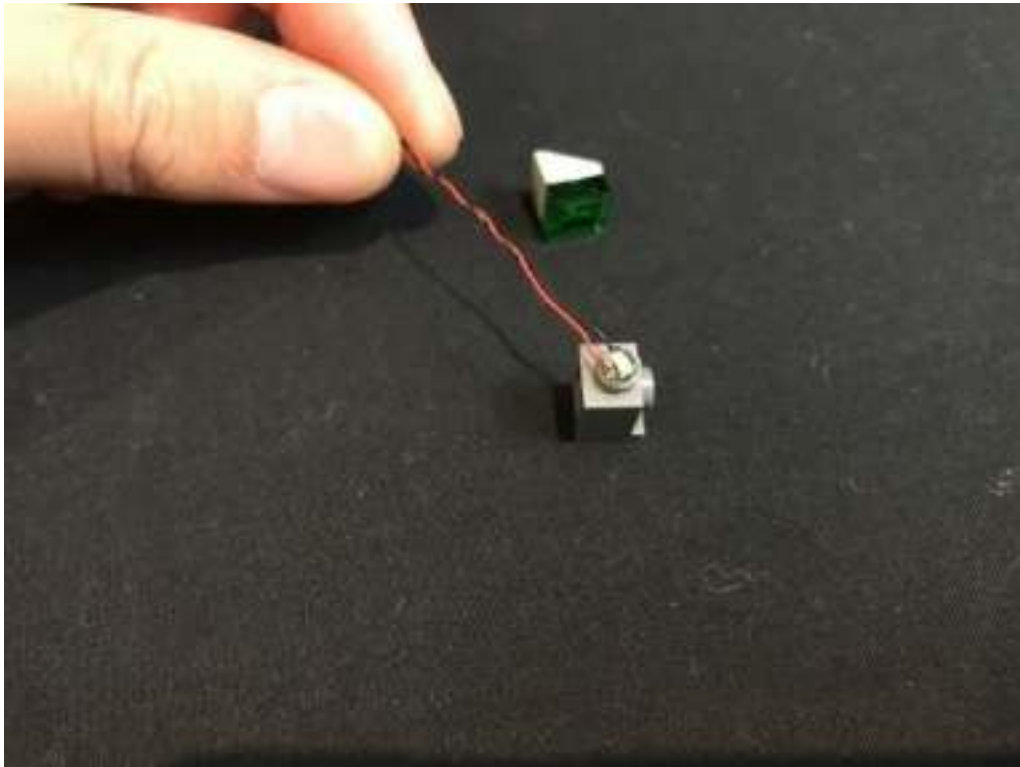


Remove the control panel section toward the right of the middle corridor and then disassemble this section as per below

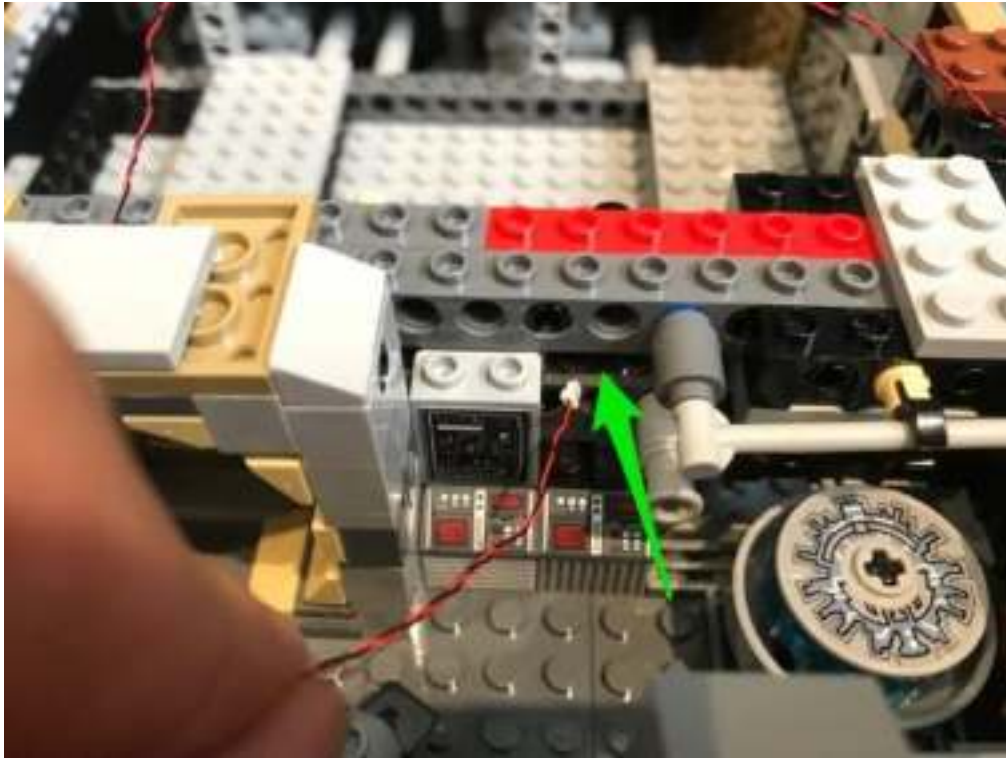




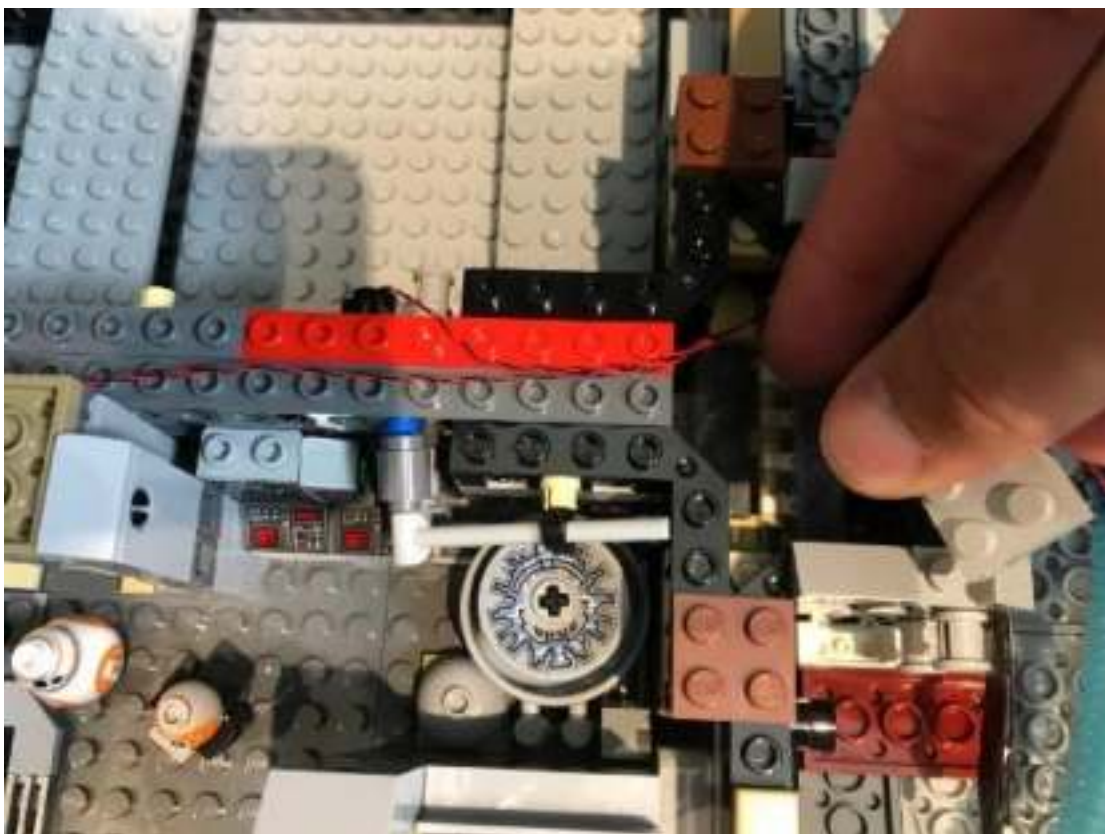
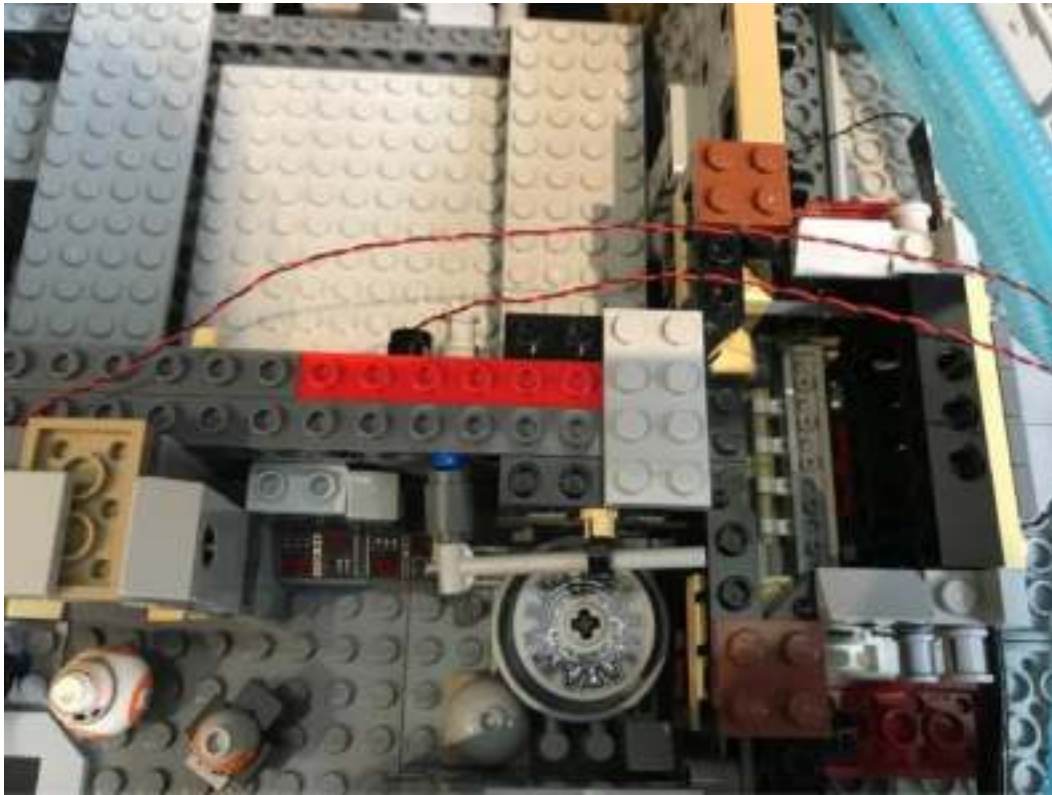
Take a Flashing White 30cm Dot Light and the place it directly over the stud on top of the brick. Reconnect the top section and ensure the cable is facing the back of the brick as per below

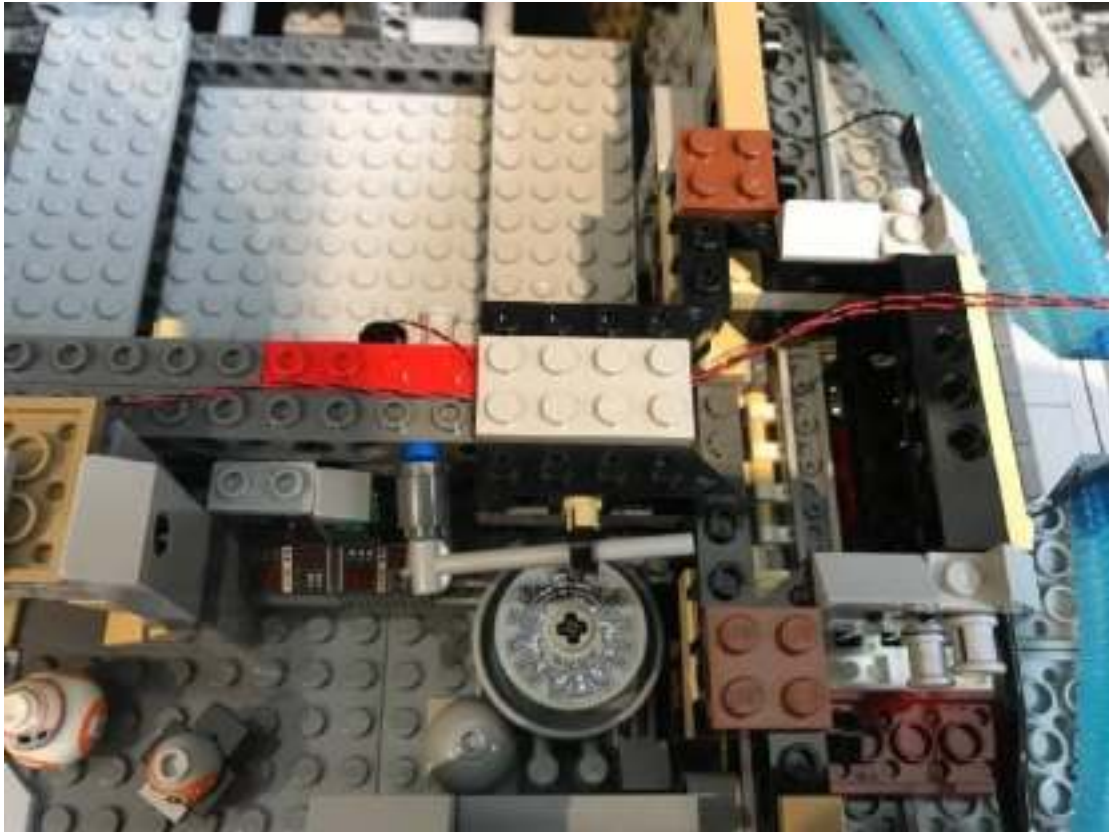


Thread the connector side of the flashing dot light behind in the space between the technic bricks before reconnecting this control panel section.

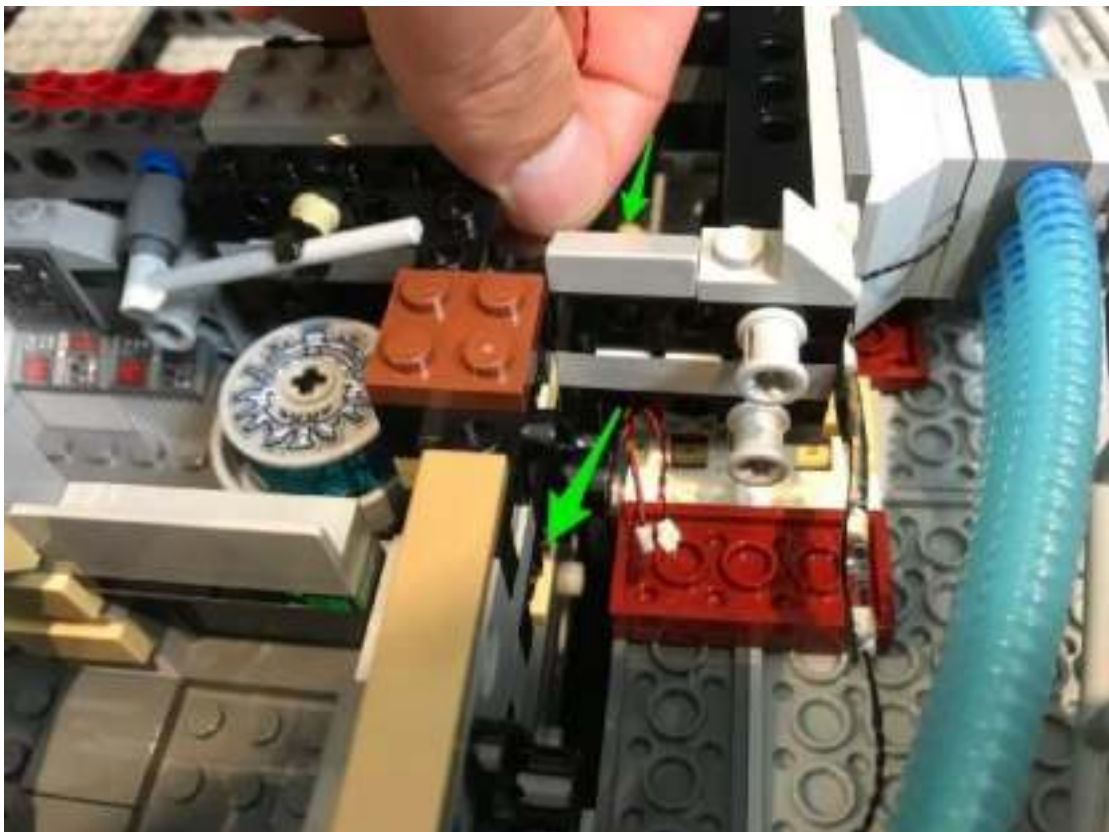


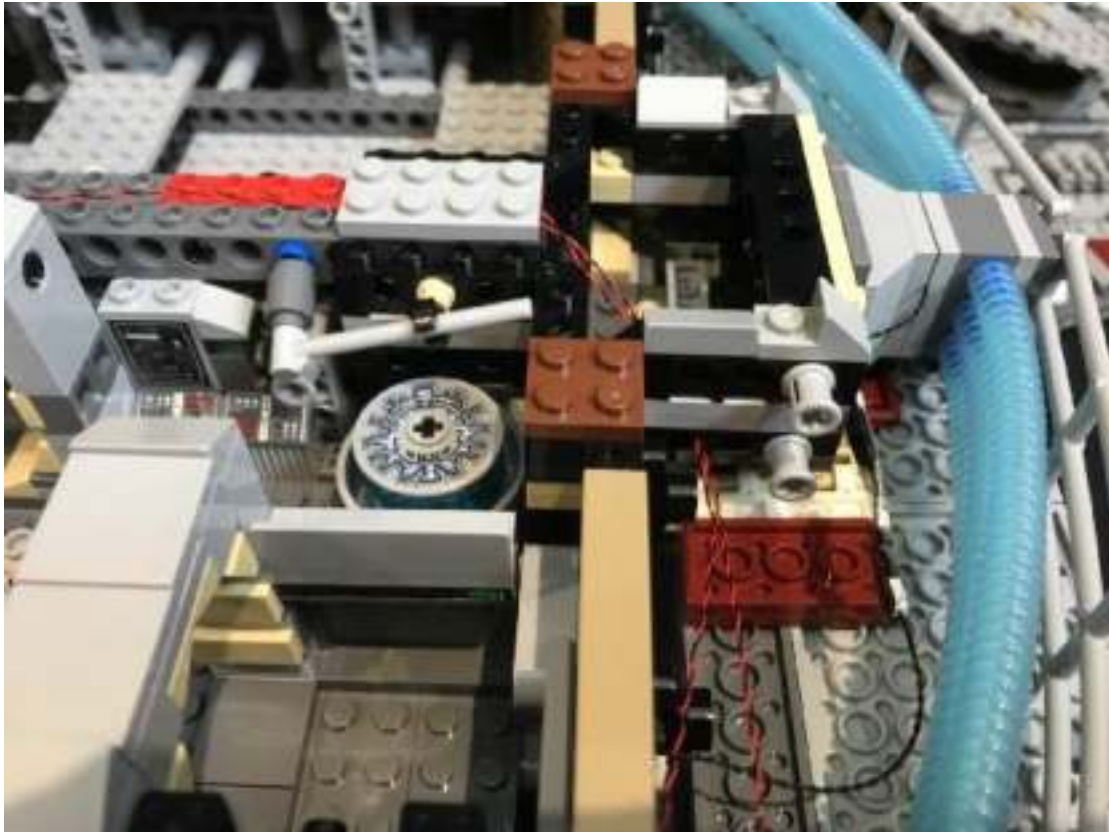
Pull both cables (from the middle corridor and control panel) behind and toward the right. Lay them in between studs and secure them down underneath the light grey 2x4 plate.



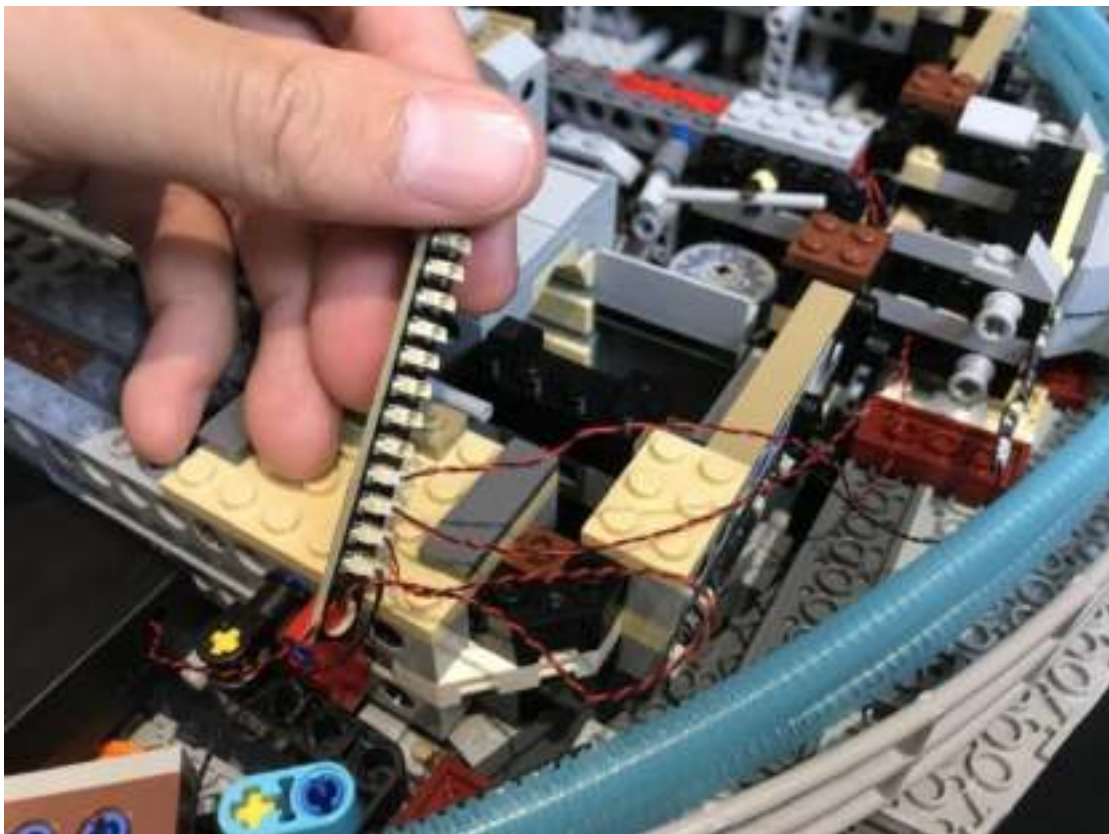


Thread the two cables behind and through the left hole of the lower black technic brick as per below

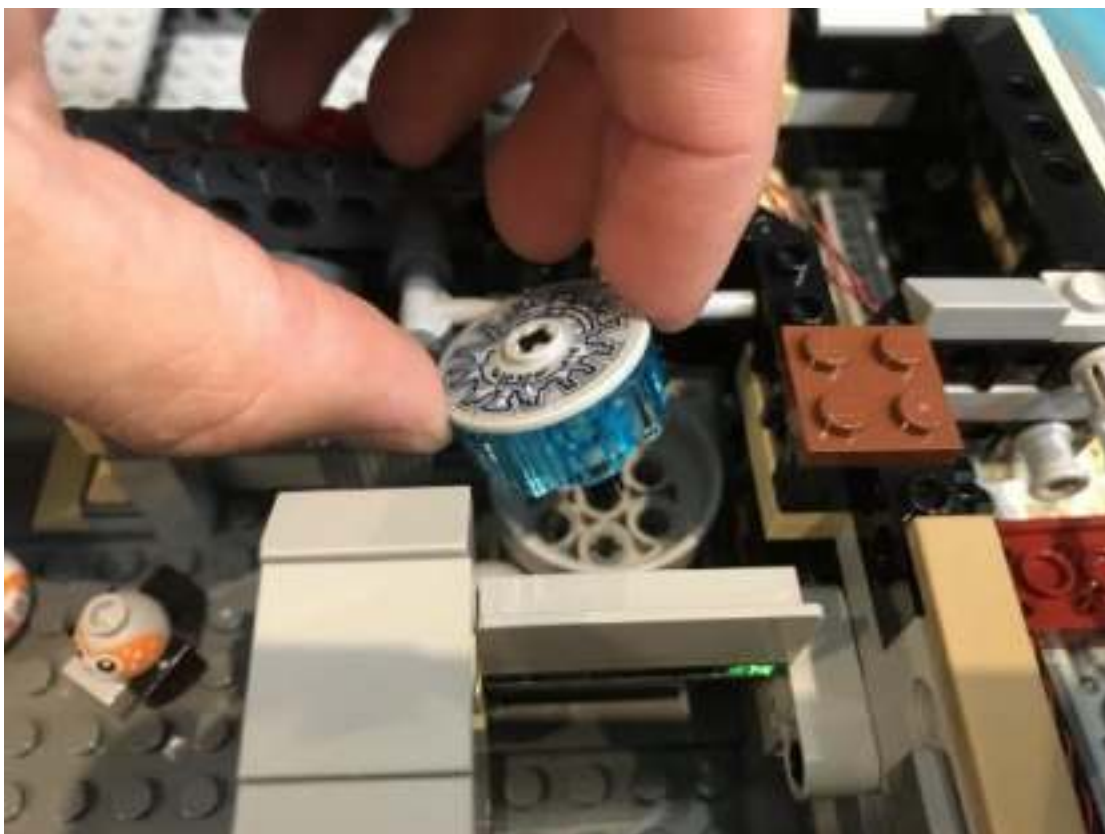




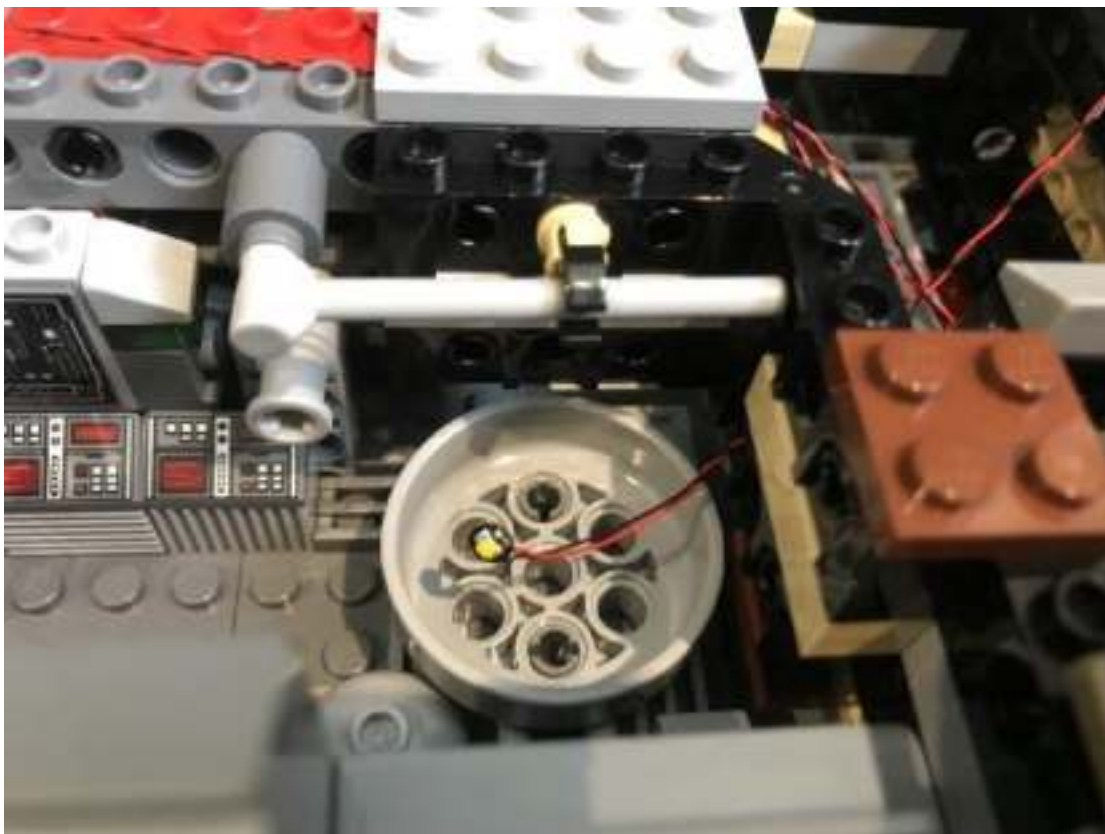
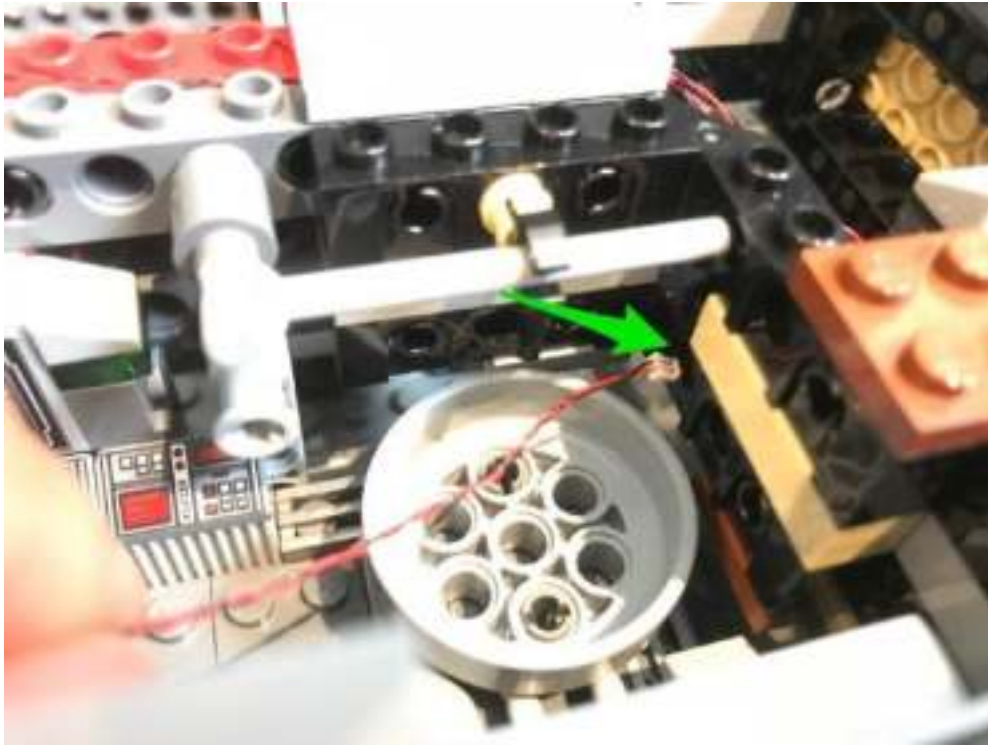
Connect the two cables to the 12-port expansion board.

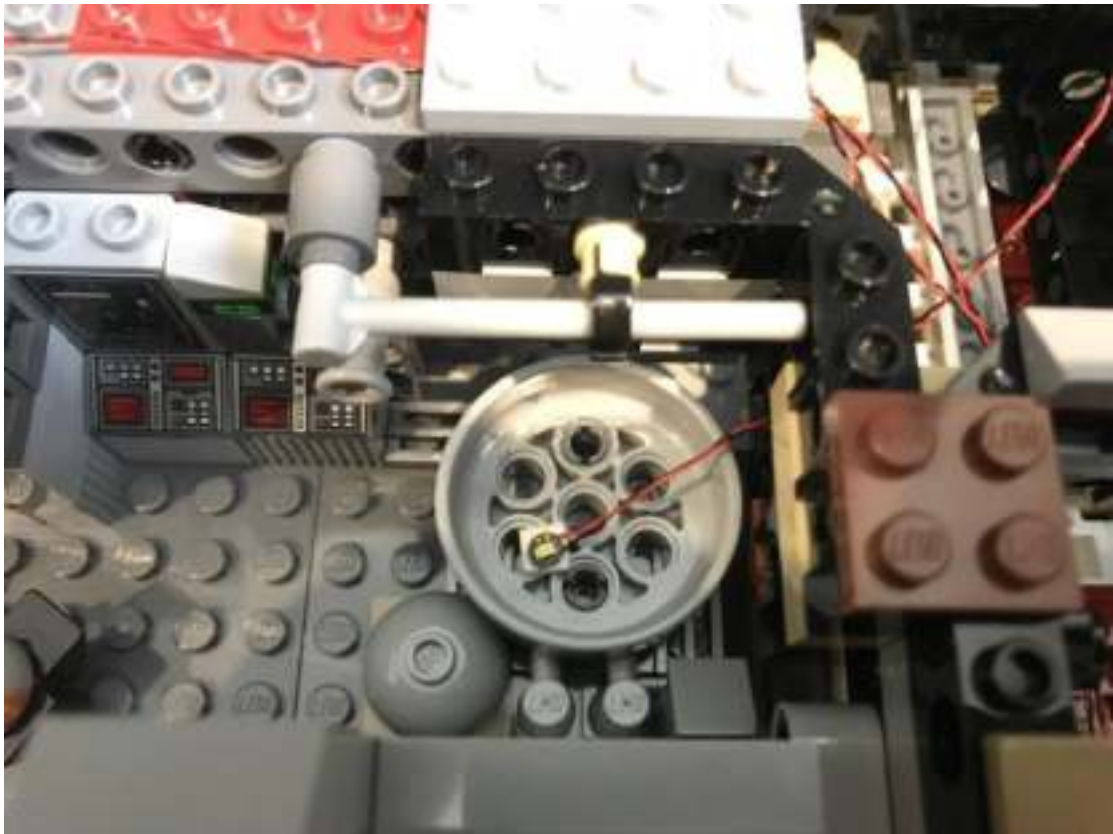


We will now install an LED inside the hyperdrive. First disconnect the top section as shown below.



Take a White 30cm Dot Light and thread the connector side through the hole of the black technic brick in the corner. Pull the cable all the way through from the other side and then stick the Dot Light down (LED facing up) in the following position using an adhesive square.

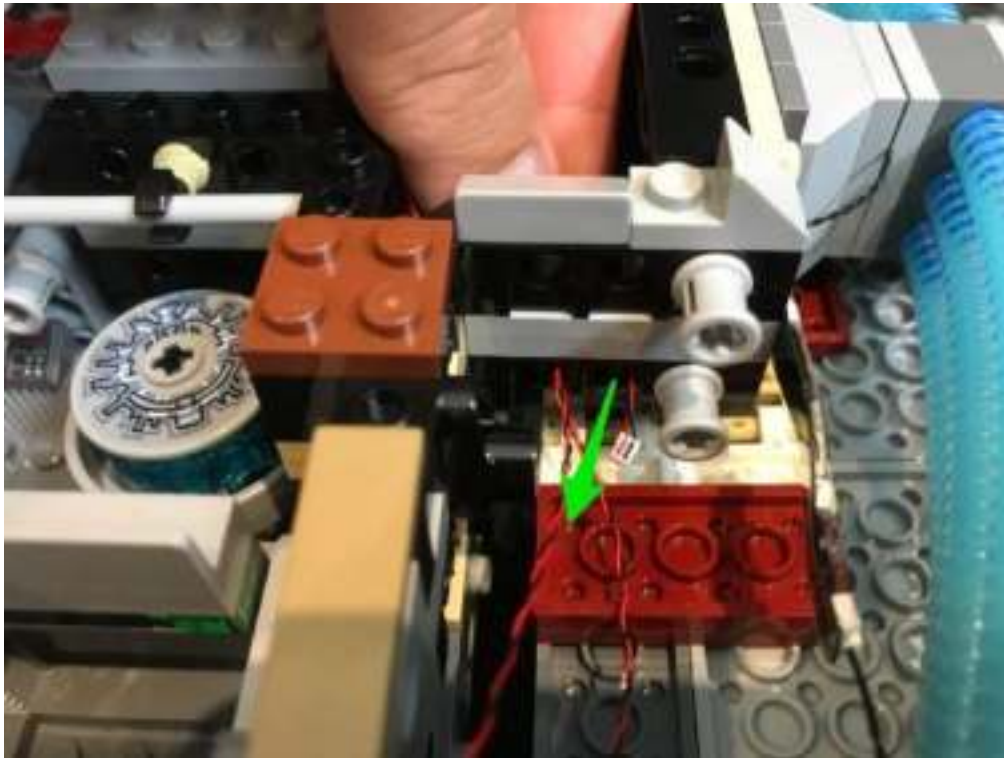




Reconnect the top section of the hyperdrive.



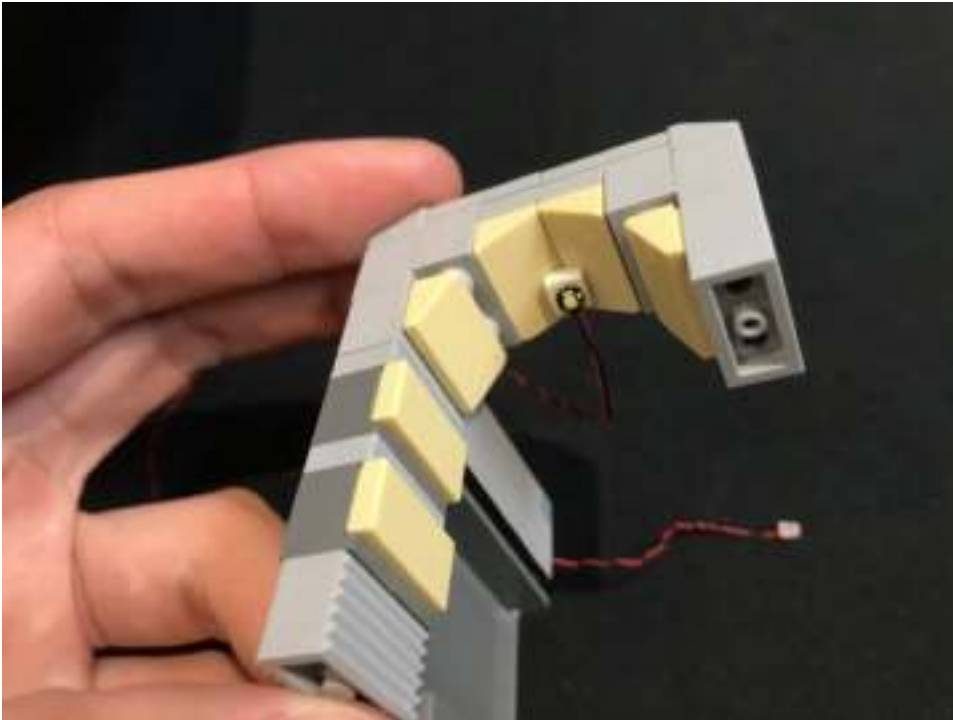
Thread the cable from the hyperdrive dot light through the black Technic hole (to the right of the hole we threaded the 2 dot light cables earlier). Pull the cable all the way through and then connect it to the 12 port expansion board.



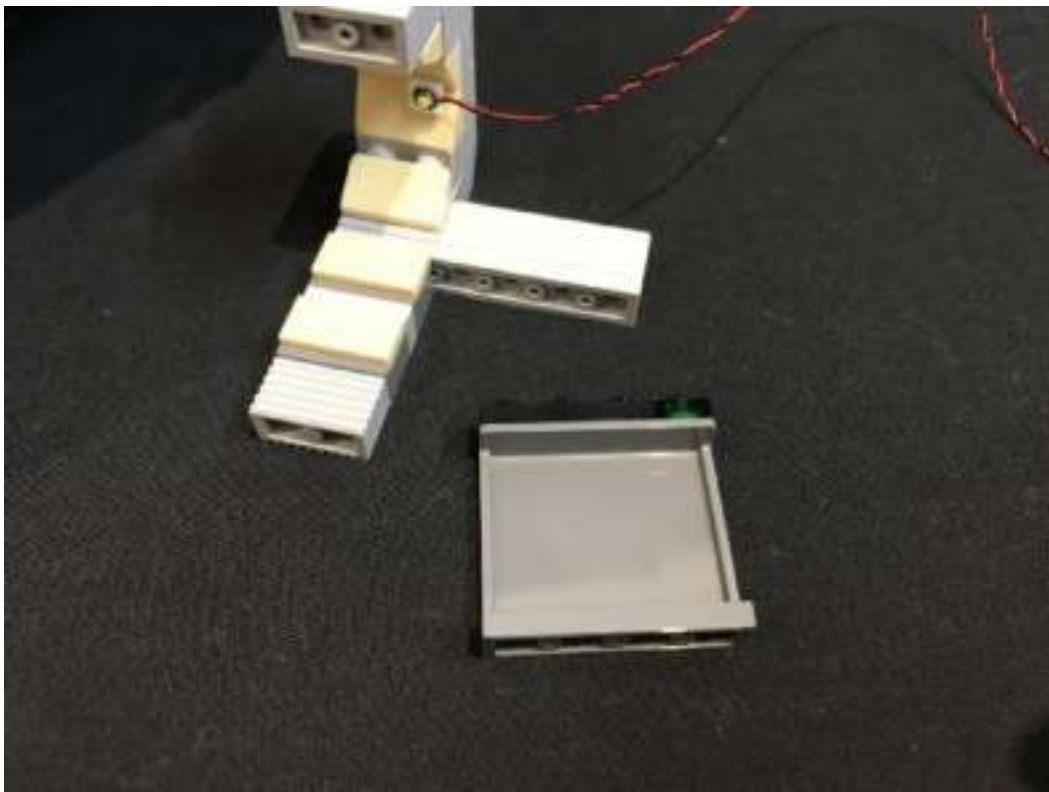
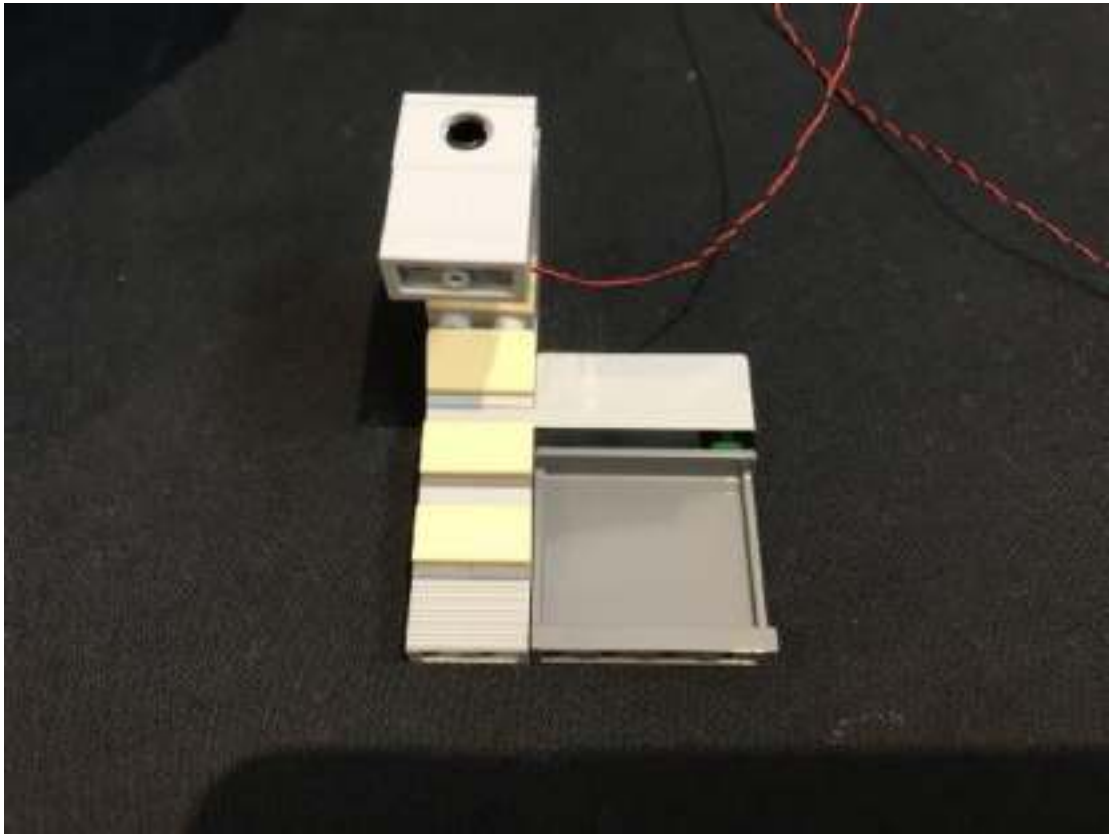
We will now install a flashing light in the corridor and another light to the cabin corridor above. First remove the following section as shown below:

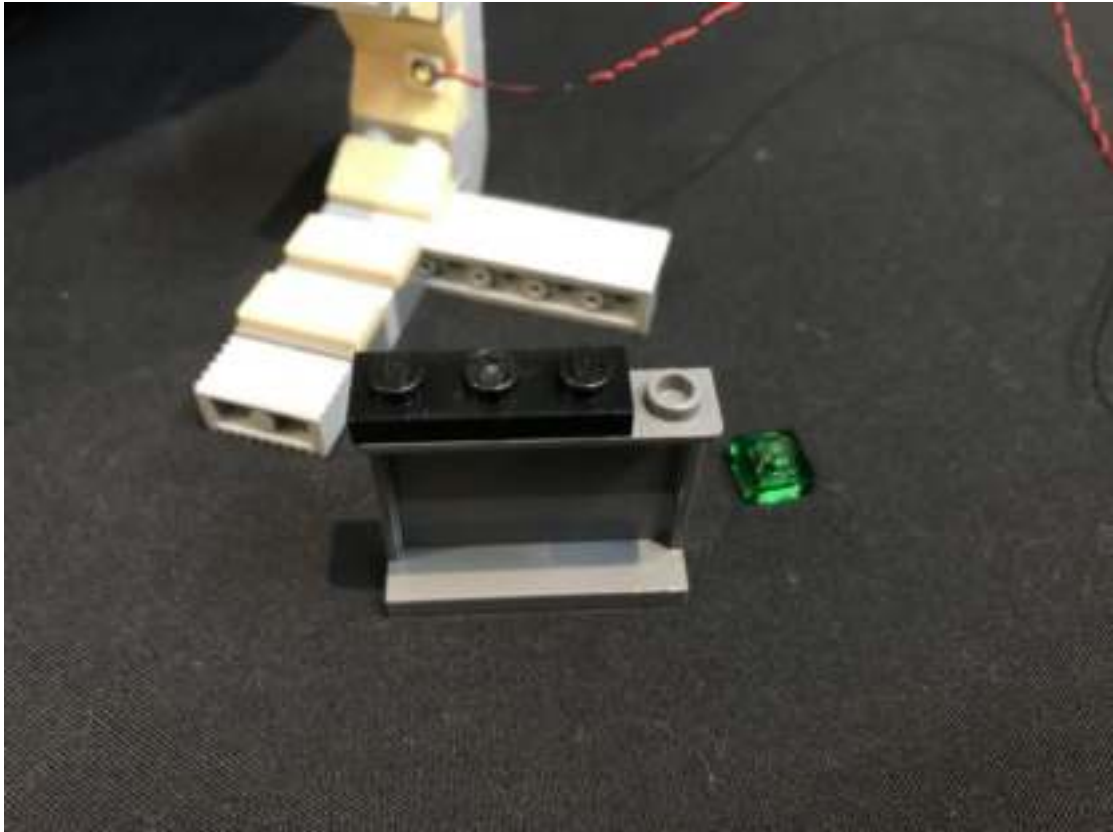


Take a White 30cm Dot Light and stick it underneath the roof of the corridor (with cable facing the same way as below) using an adhesive square.

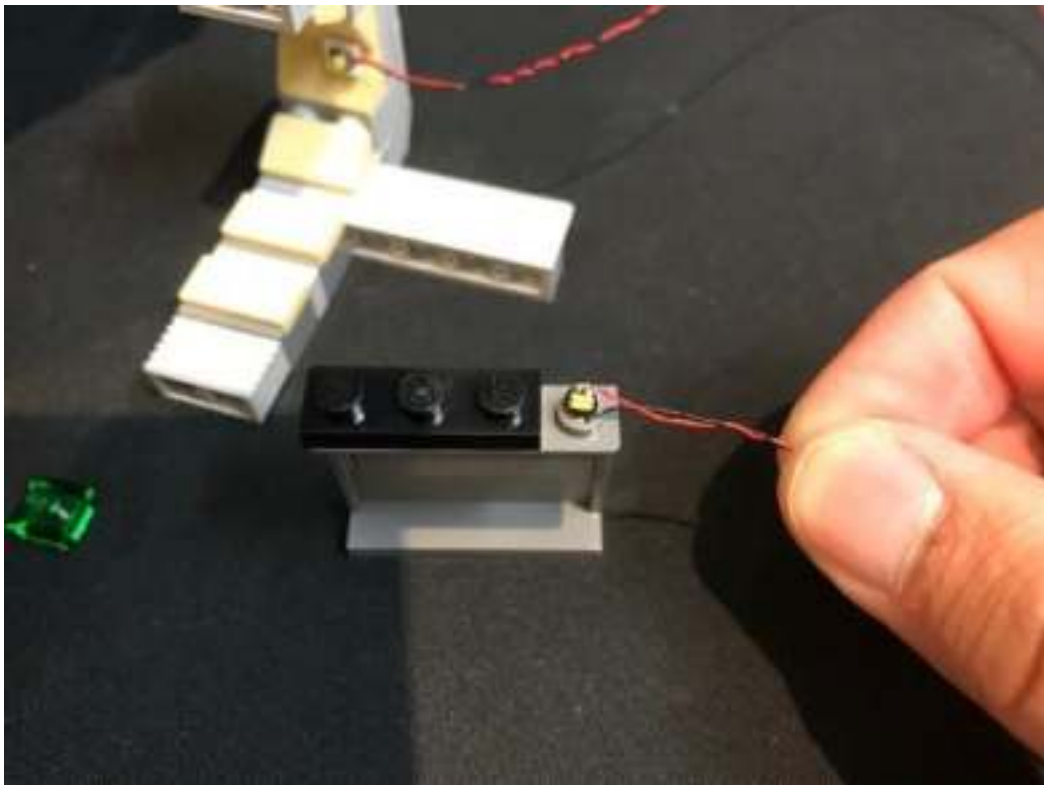


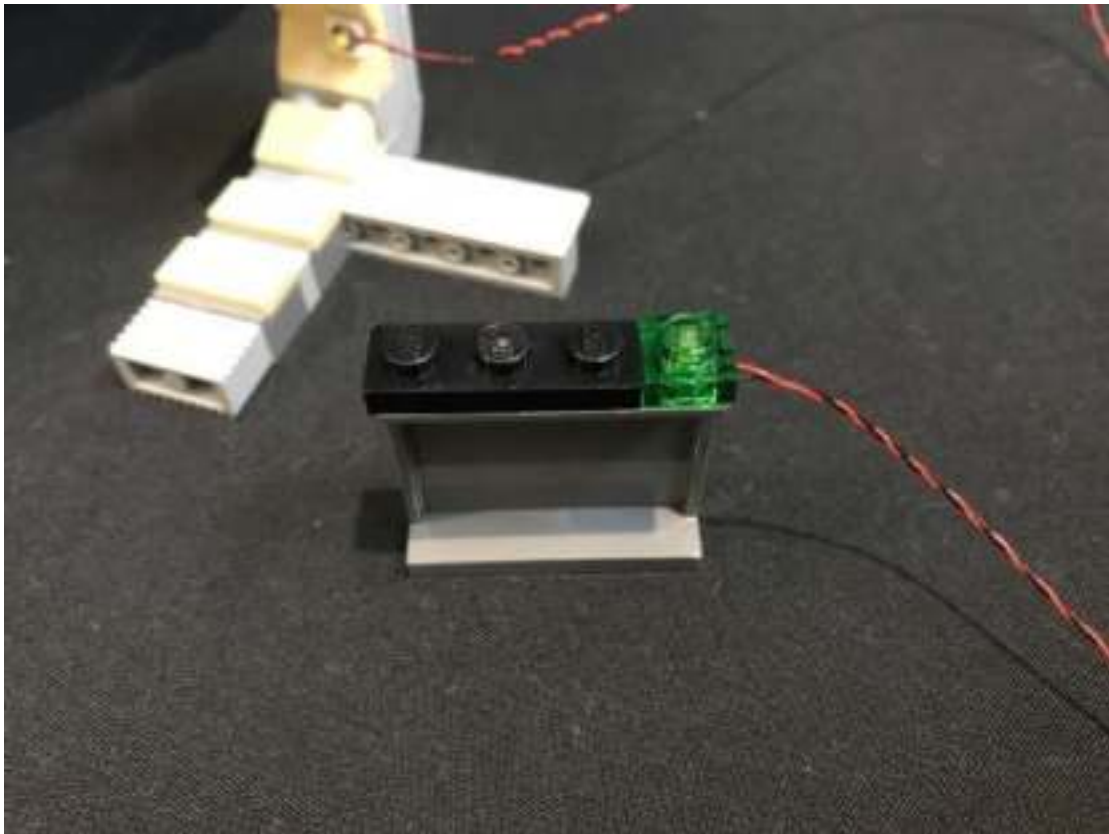
Place the corridor section down and then disconnect the wall section followed by the trans green plate.



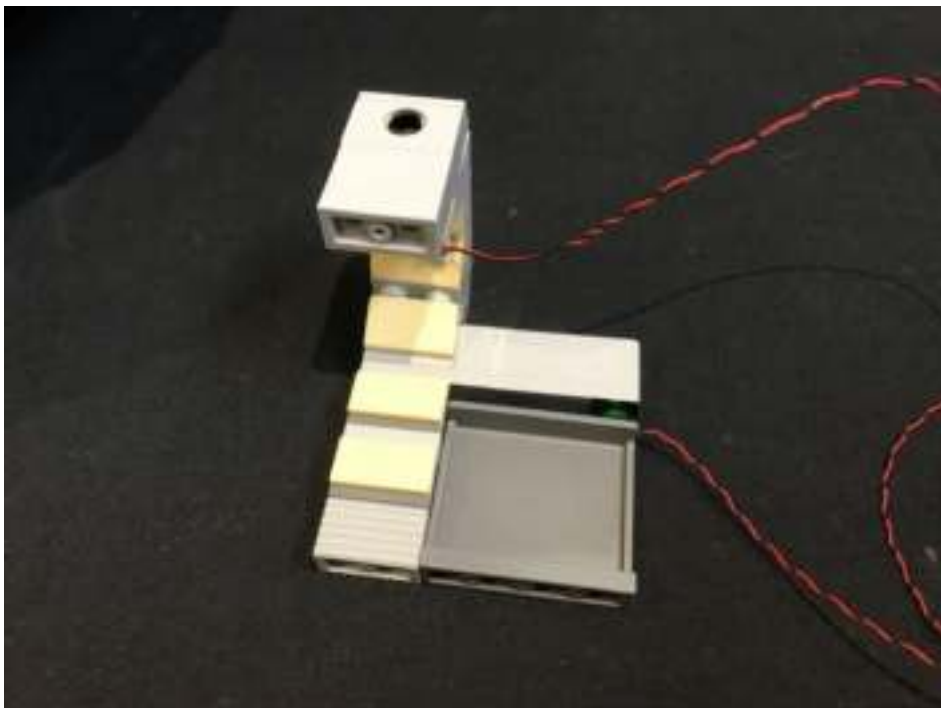


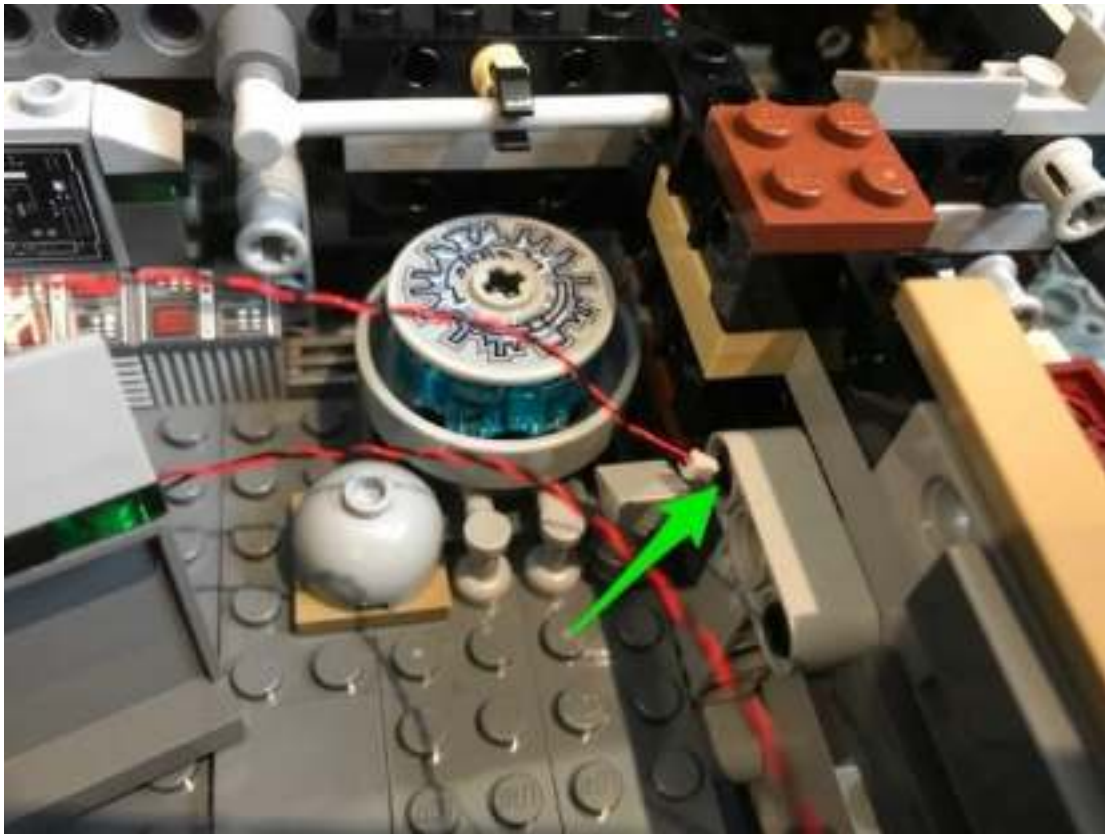
Take a Flashing White 30cm Dot Light and place the LED over the grey stud before reconnecting the trans green plate to secure the Dot Light in place. Ensure the cable is facing the same way as the example below



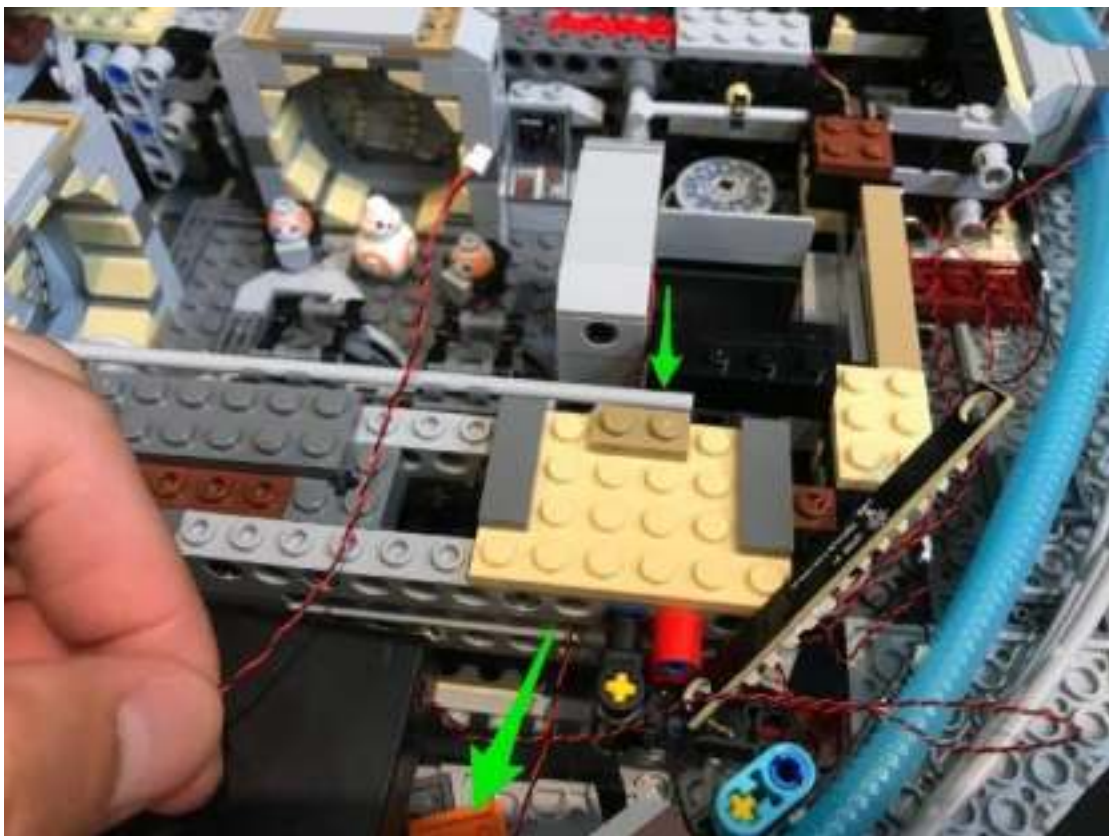
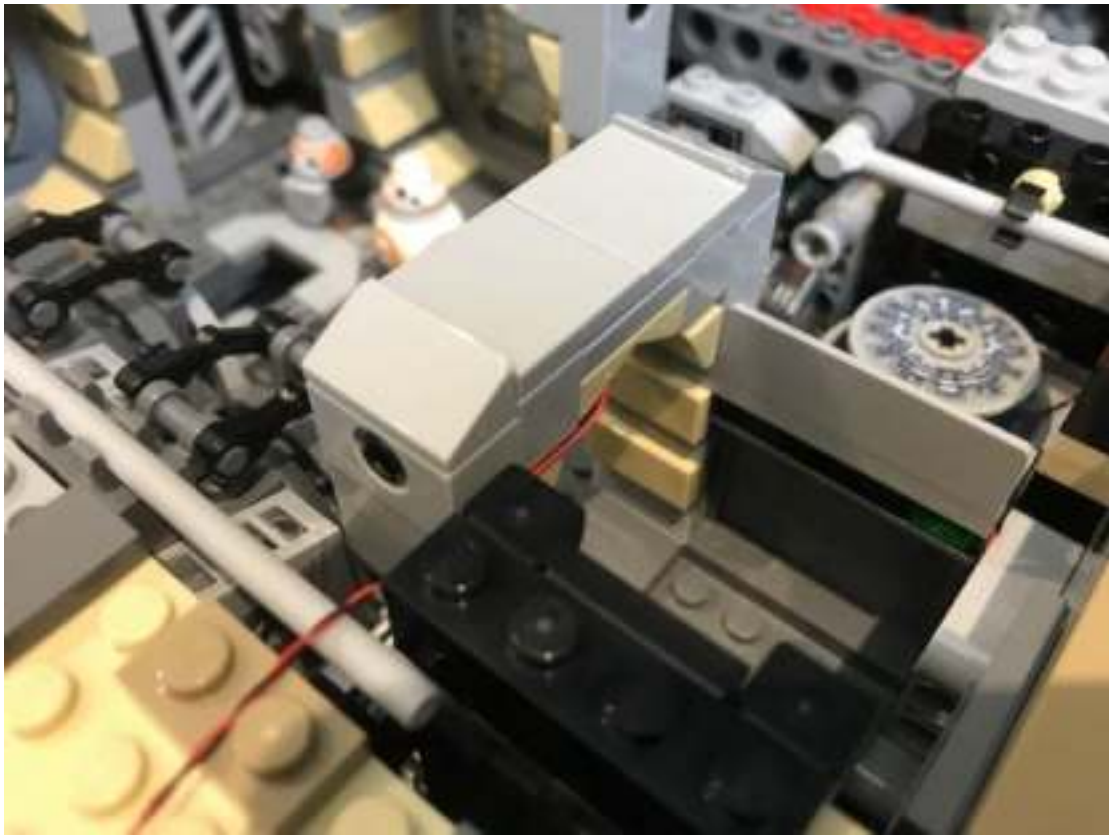


Reconnect the section back to the rest of the corridor then thread the Flashing Dot Light cable through the technic pin hole to the right. Reconnect the corridor section back to it's original position.

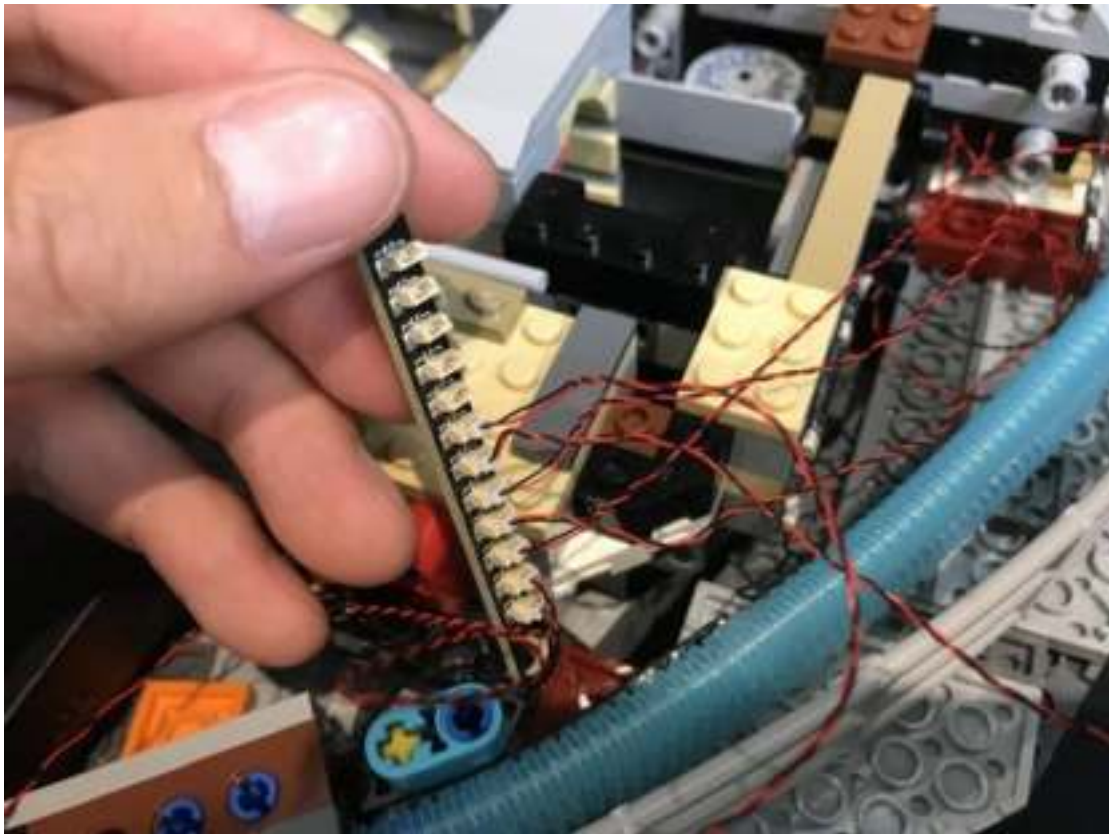




Thread the cable from the corridor roof down in between sections and then thread underneath spacing as shown below



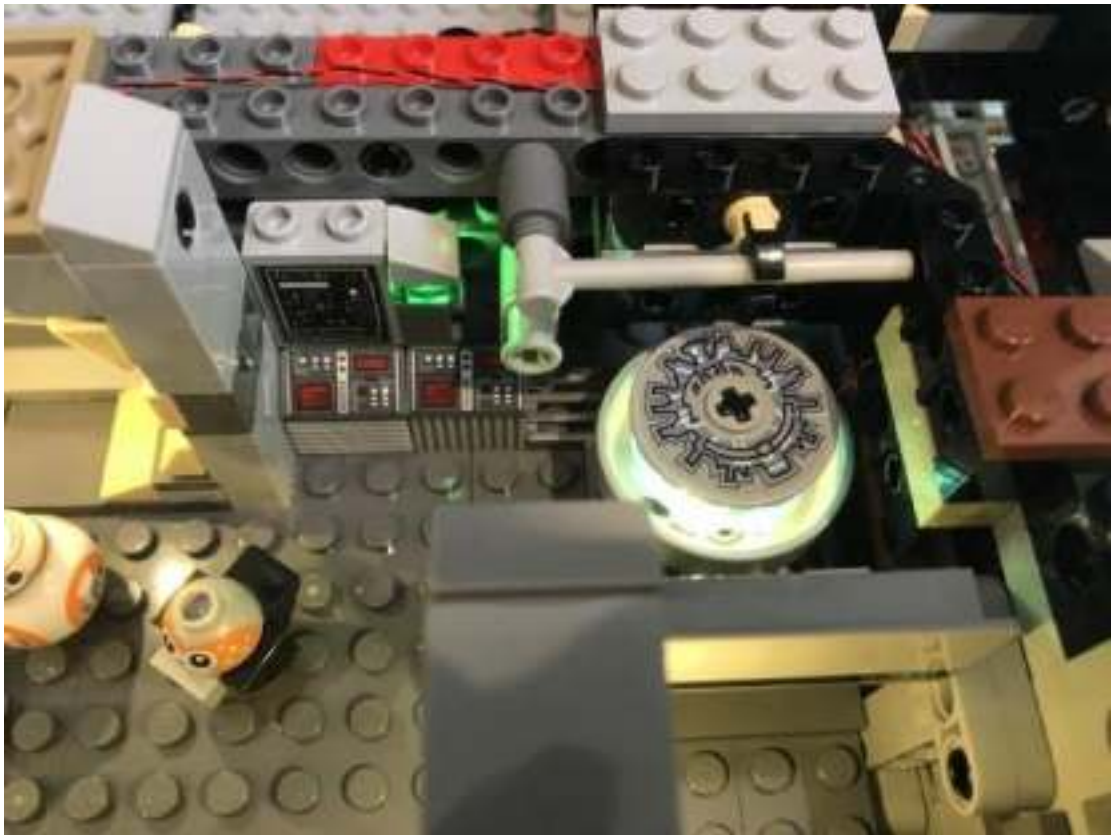
Connect the both Flashing White 30cm Dot Light and White 30cm Dot Lights into the 12 port expansion board.



Locate the end of the White 30cm Dot Light from the left corridor (from step 10) and pull it down the centre behind sections and then across to the right to connect to the 12-port expansion board.



Turn the Battery Pack on to test all the lights we have installed so far are working correctly



Take 2x 30cm Connecting Cables and connect them to spare ports on the 12 port Expansion board and then pull both cables across to the left toward the middle of the Falcon.



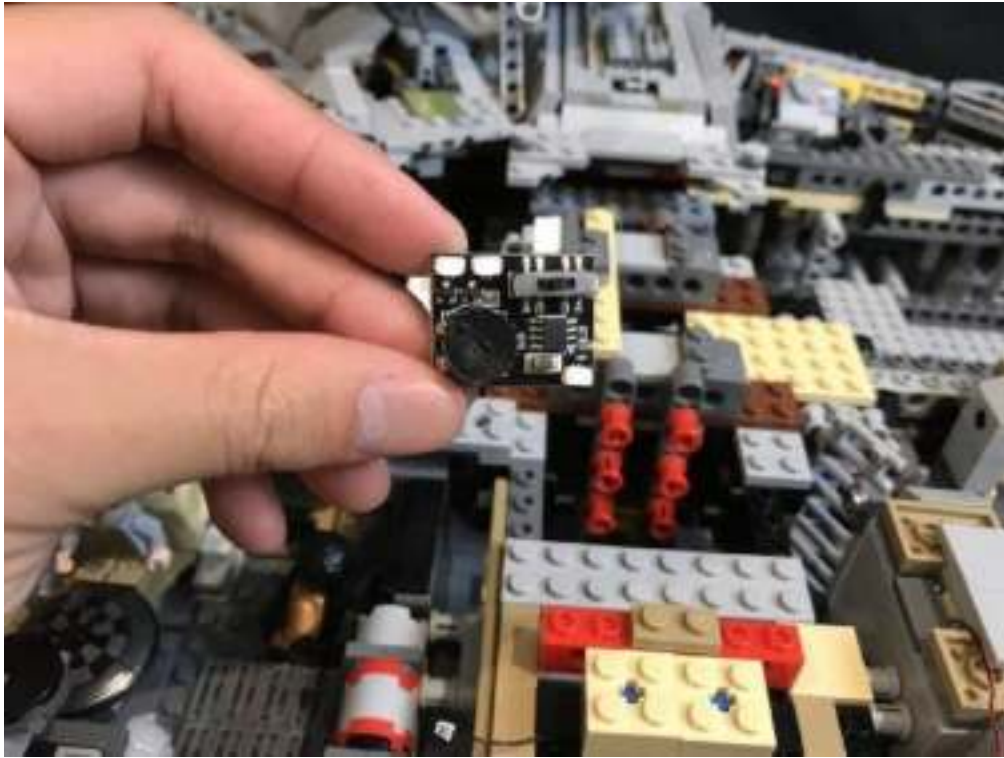
Remove the roof off the middle section as well as the section toward the left as shown below:



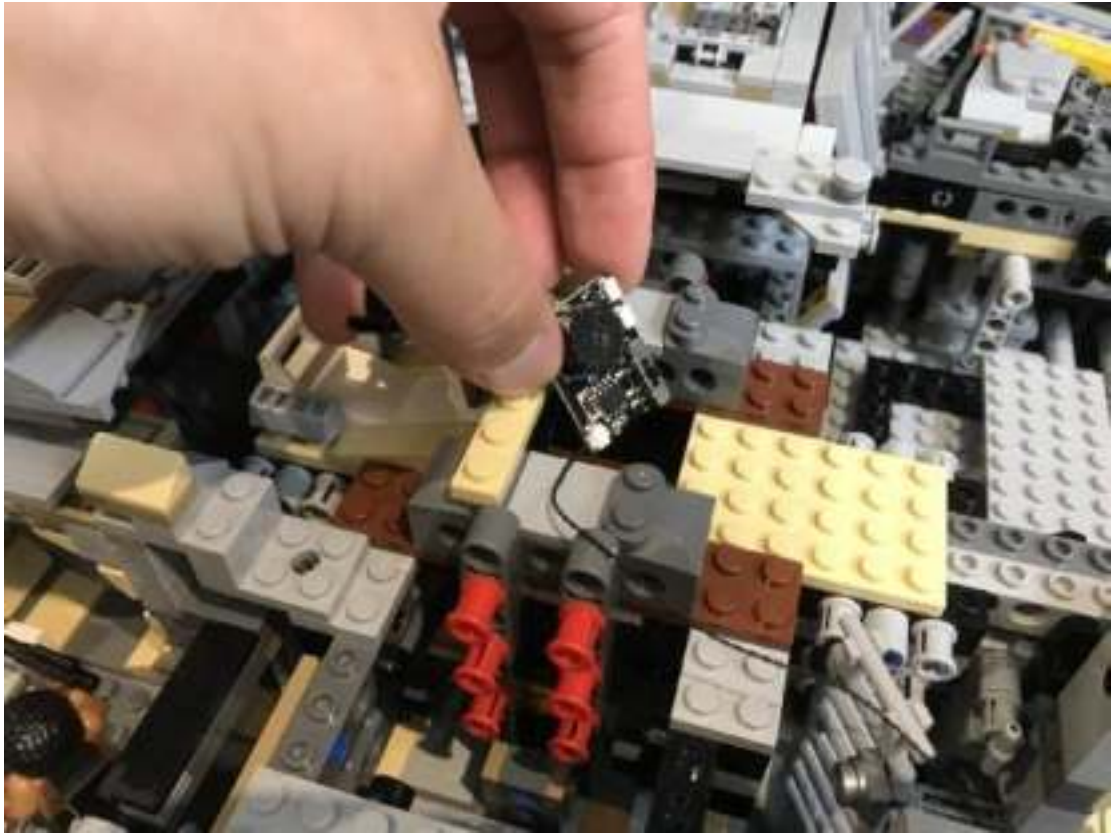
Take a 6-Port Expansion Board and connect one of the 30cm connecting cables we pulled across to one of the ports on the board.



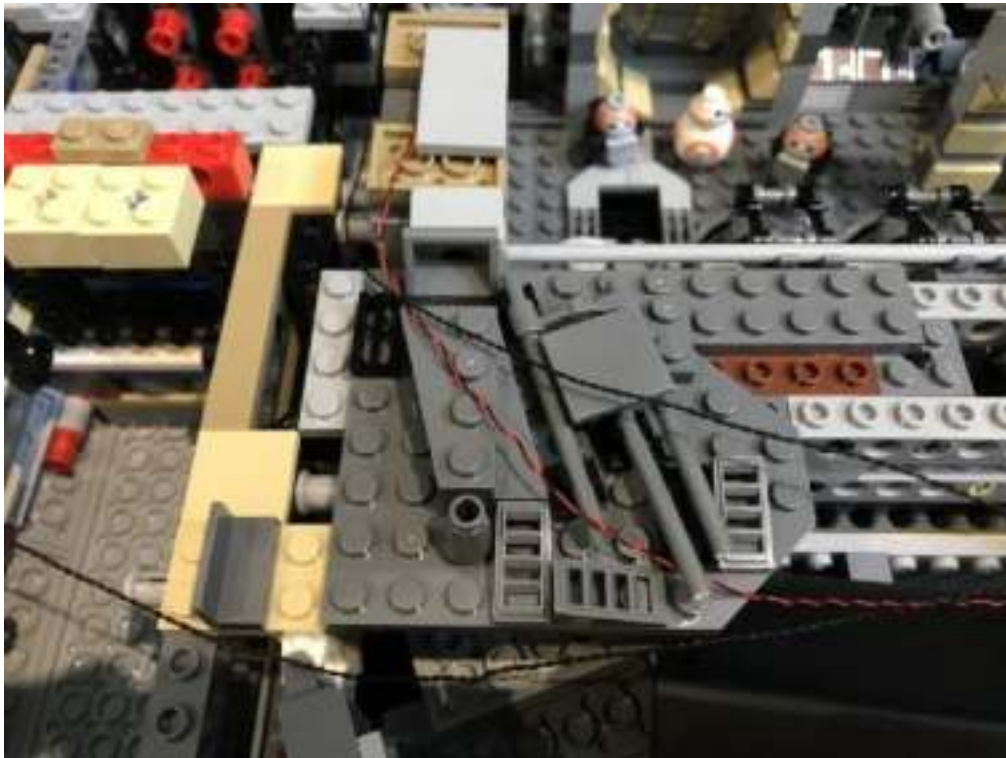
Take the Multi-Effects Board and connect the other 30cm connecting cable we pulled across to the input port on the board (side with only one port)

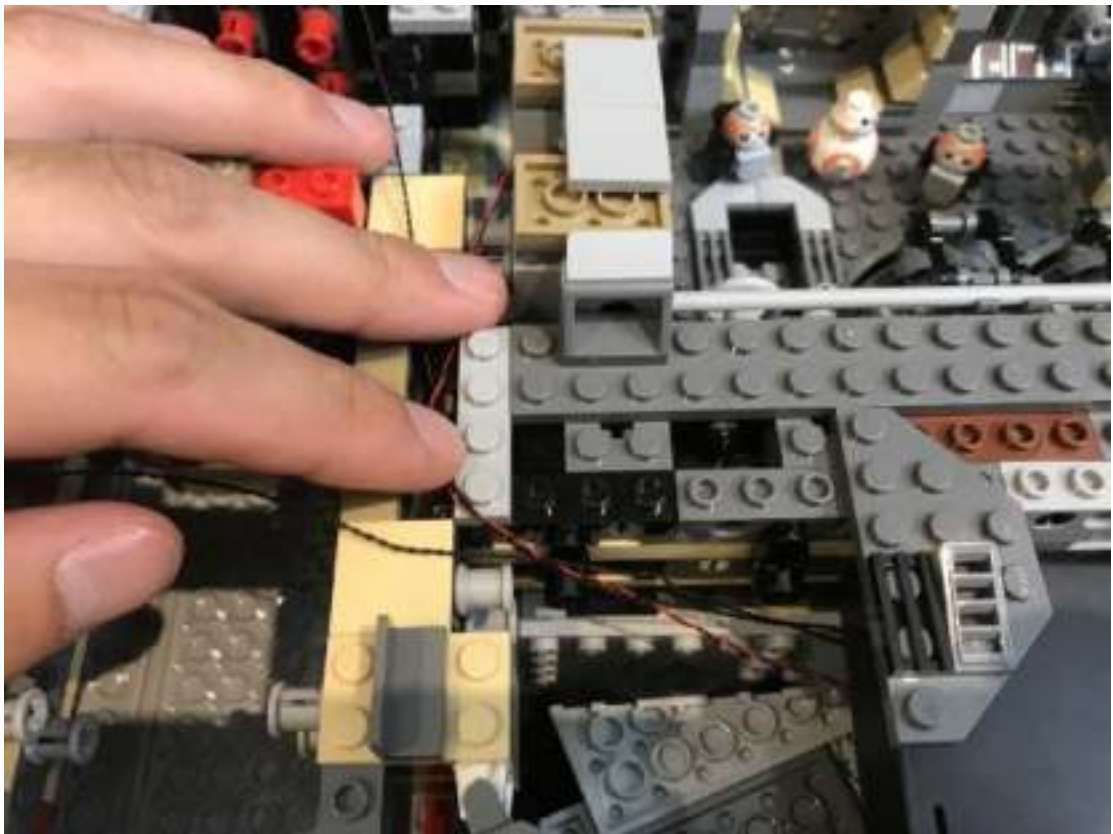
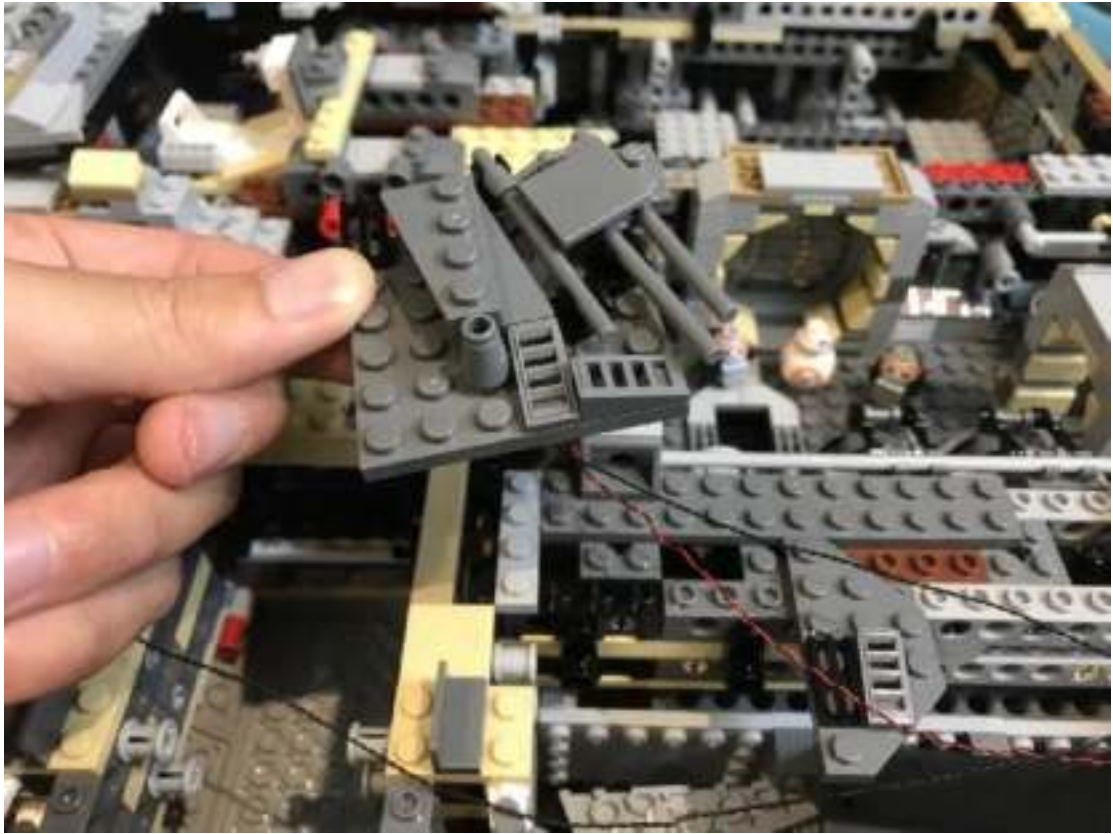


Place the multi-effects board down the middle section as shown below



Remove the following section and lay the 2 connecting cables as well as the cable from the left corridor underneath in between studs. Reconnect the section we removed.

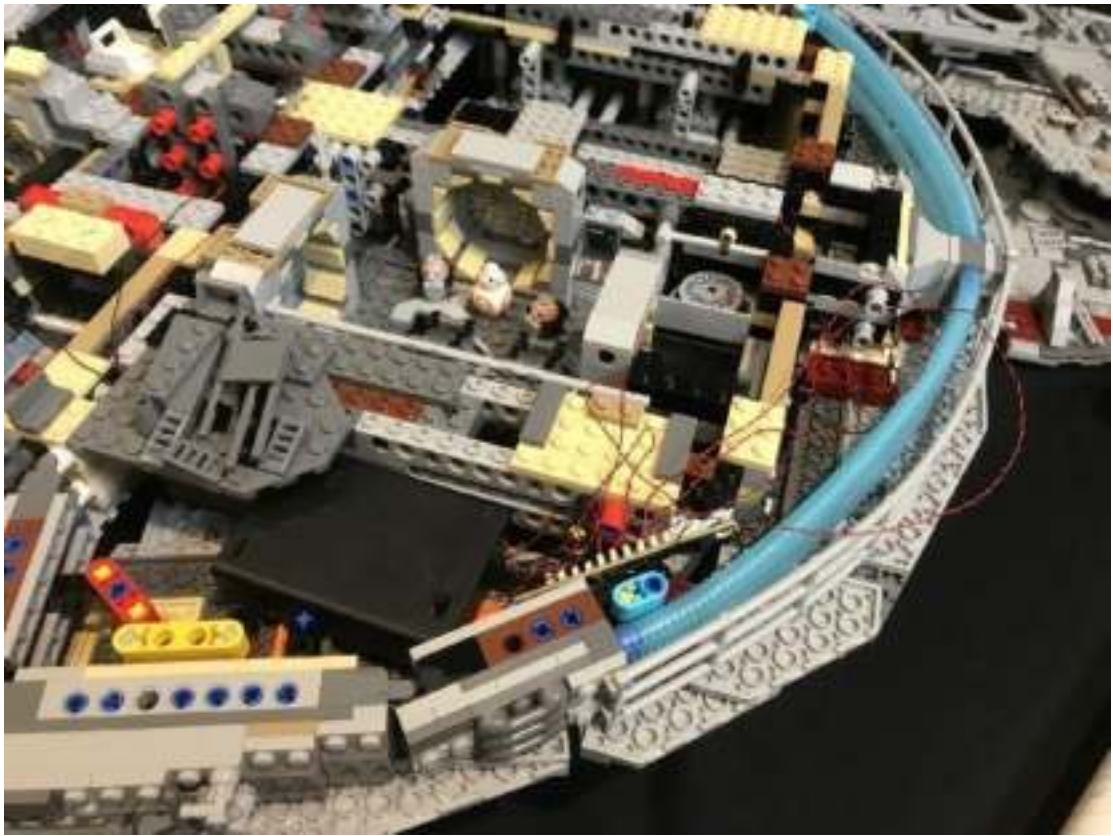






Tuck in the 12-port expansion board as well as the Battery Pack in the space in between sections and tuck in any access cables from the dot lights ensuring they are not visible from the outside



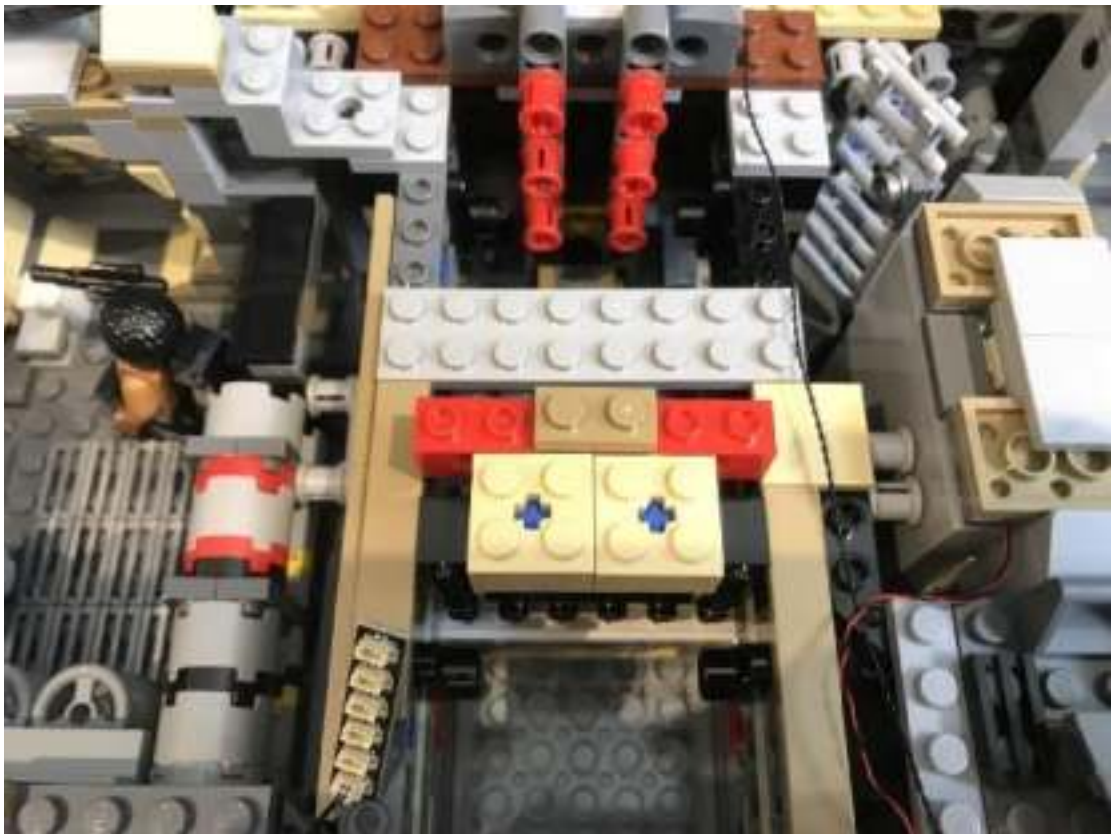
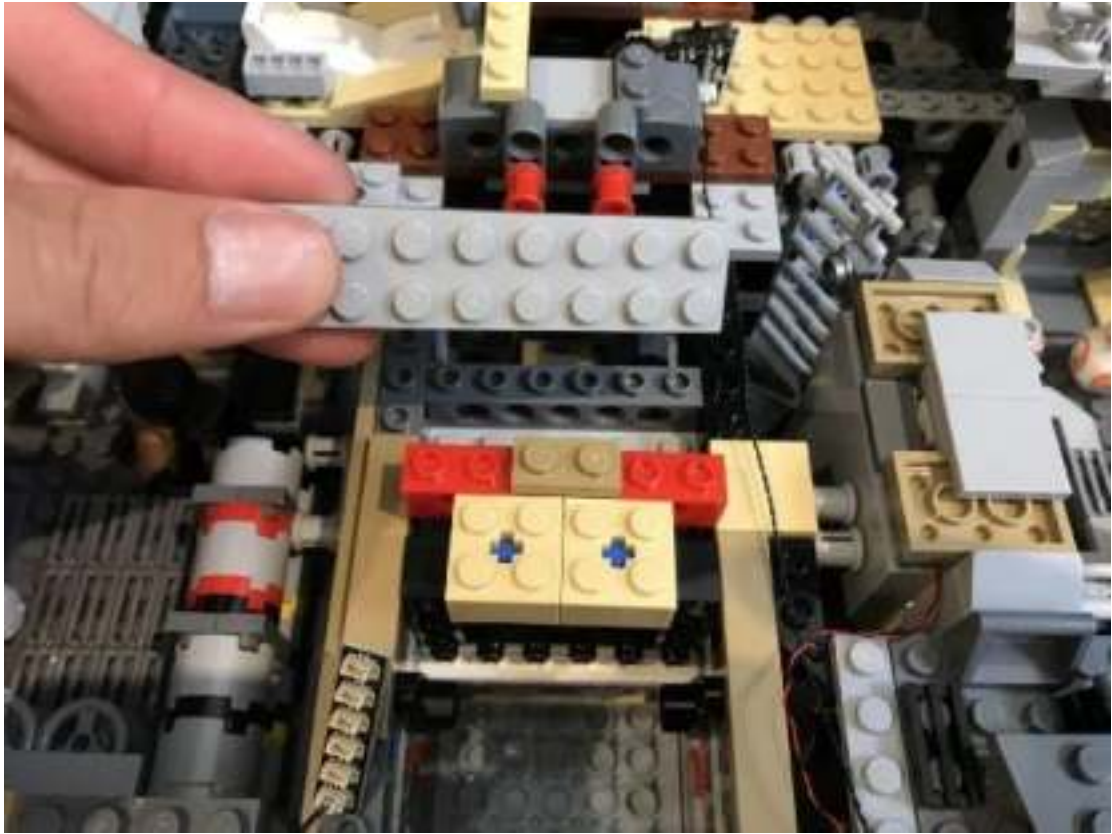


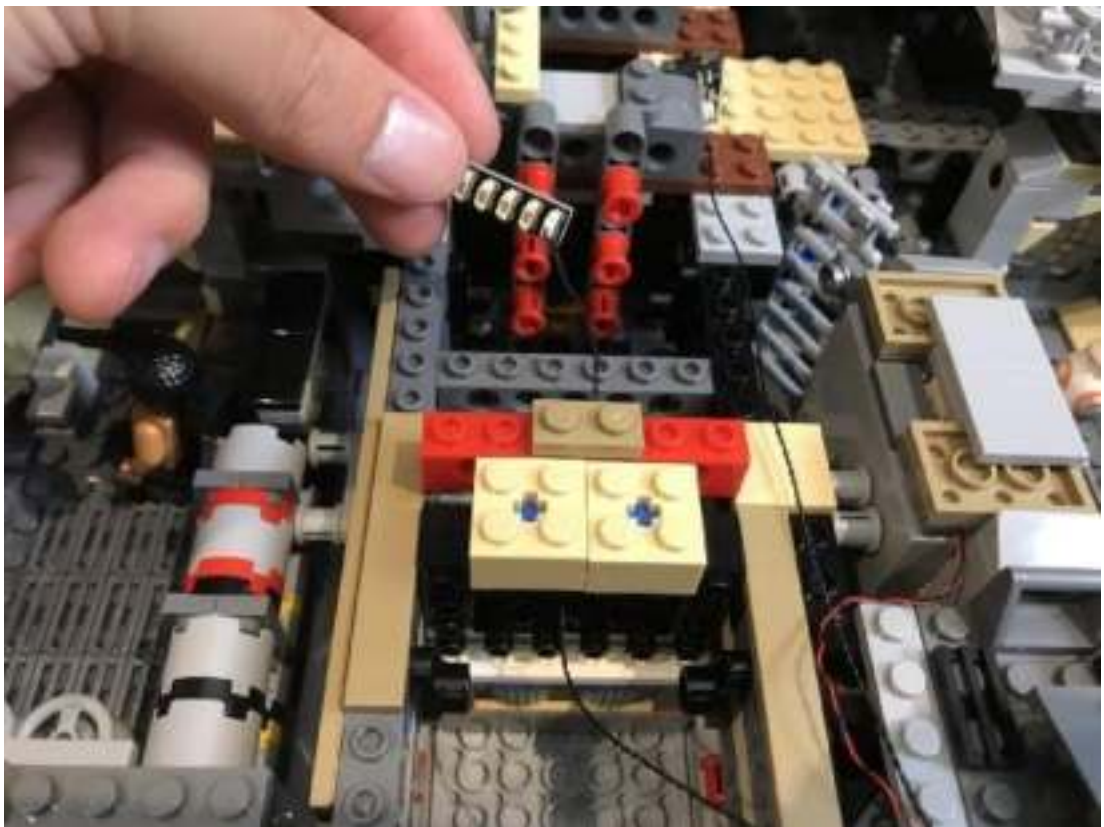


Reconnect roof sections of the back of the falcon



Remove the light grey 2x8 plate in the middle section. Thread the 6-port expansion board underneath through the space in between before reconnecting the light grey 2x8 plate over the top







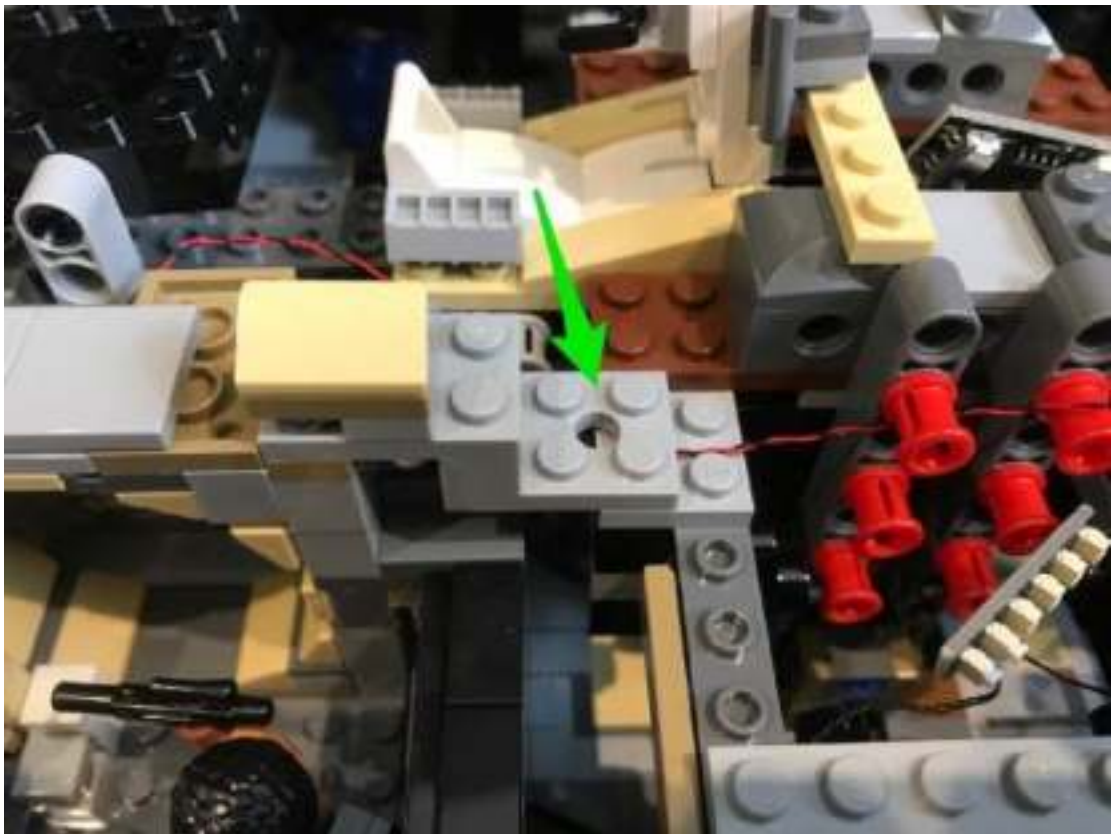
We will now light up the corridor in this section. First remove the top section and then take a White 30cm Dot Light and stick underneath the corridor roof using an adhesive square.



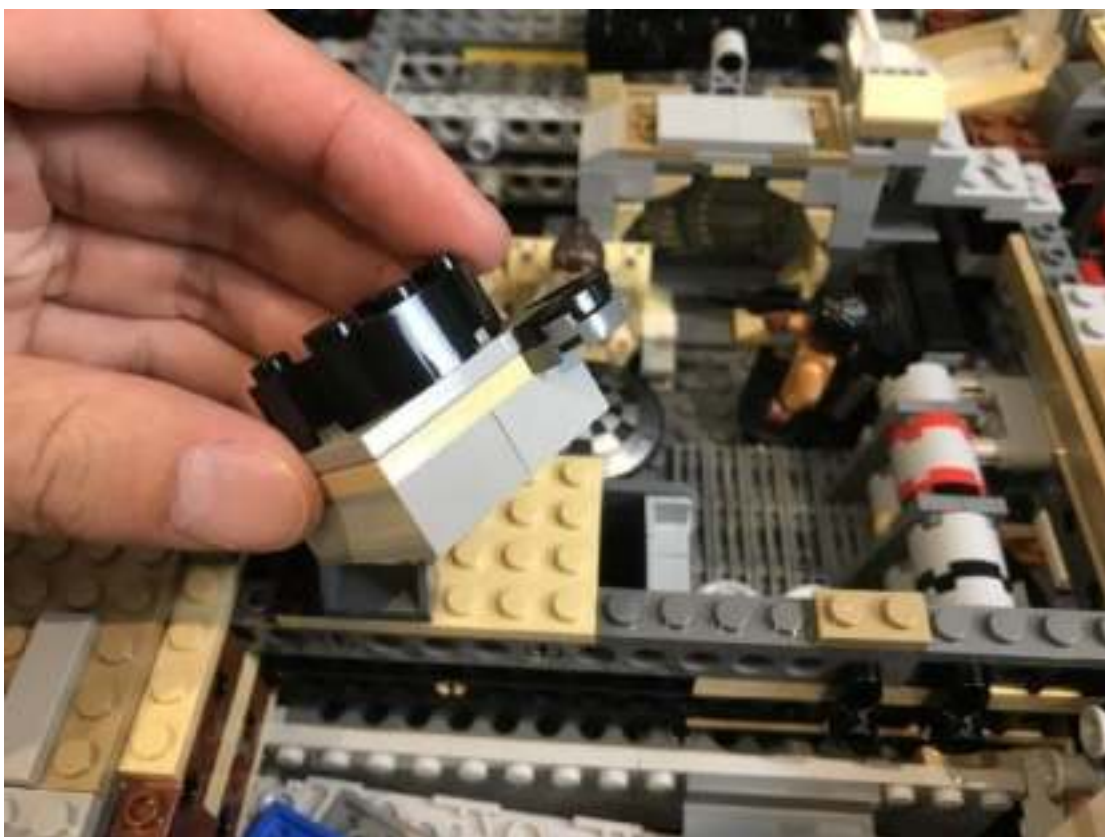


Reconnect the corridor section ensuring the cable is laid neatly behind. Connect this Dot Light into the 6-port expansion board and then neatly lay the cable behind before securing it underneath the following piece.



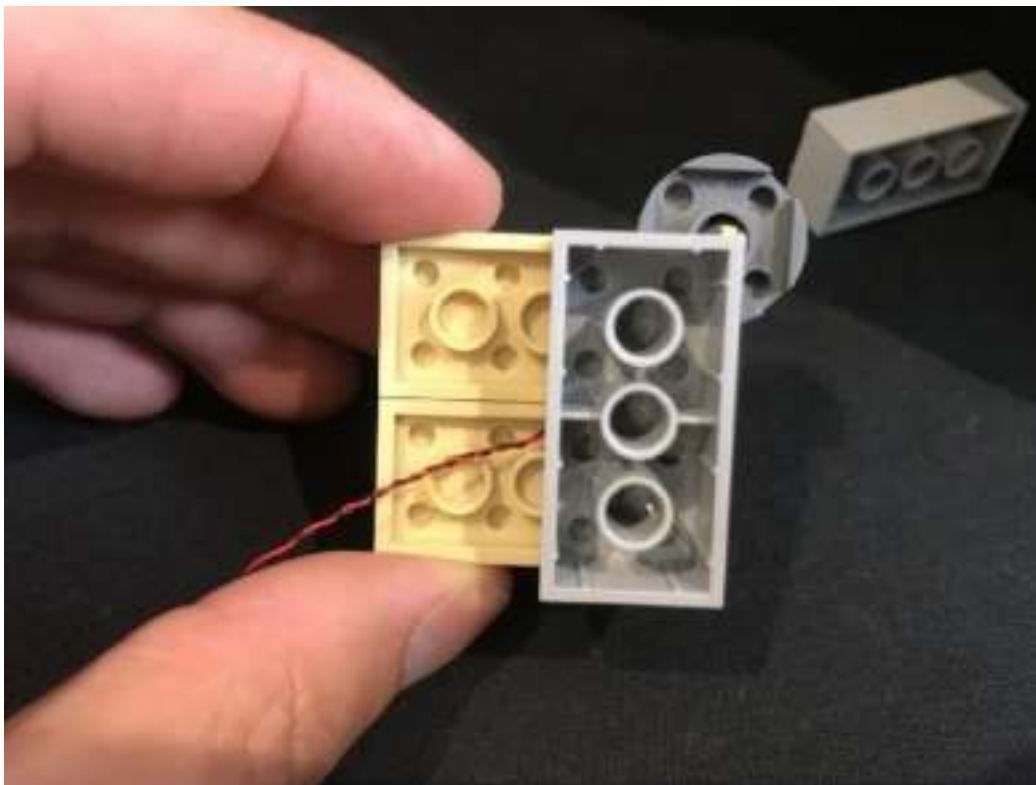
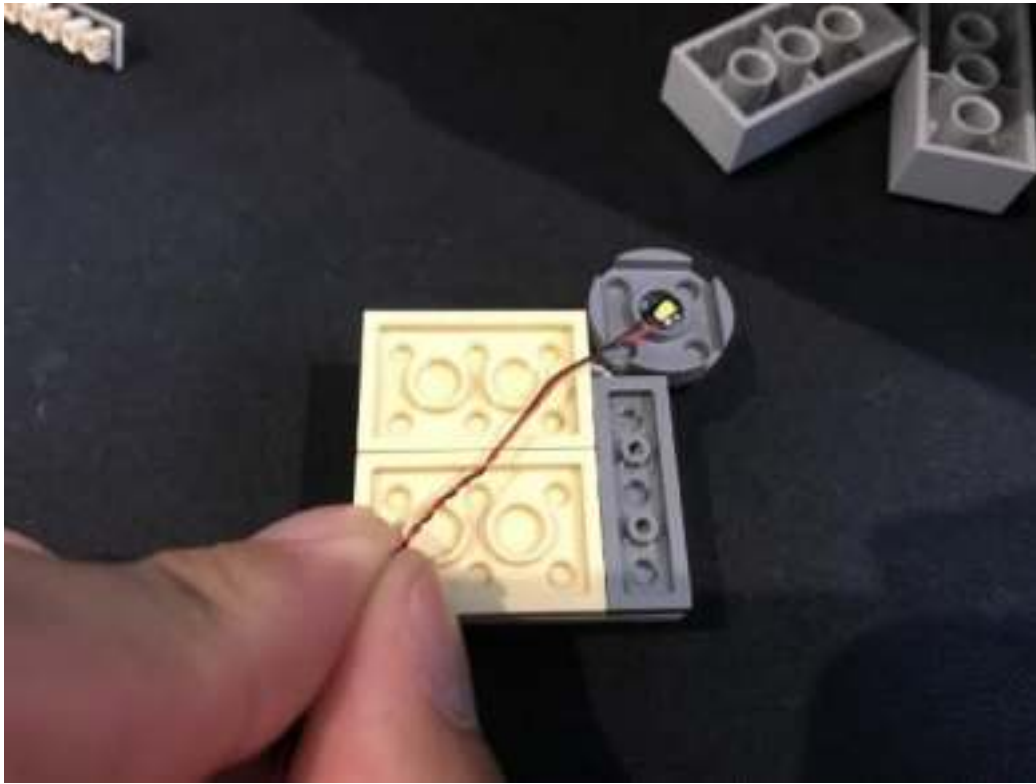


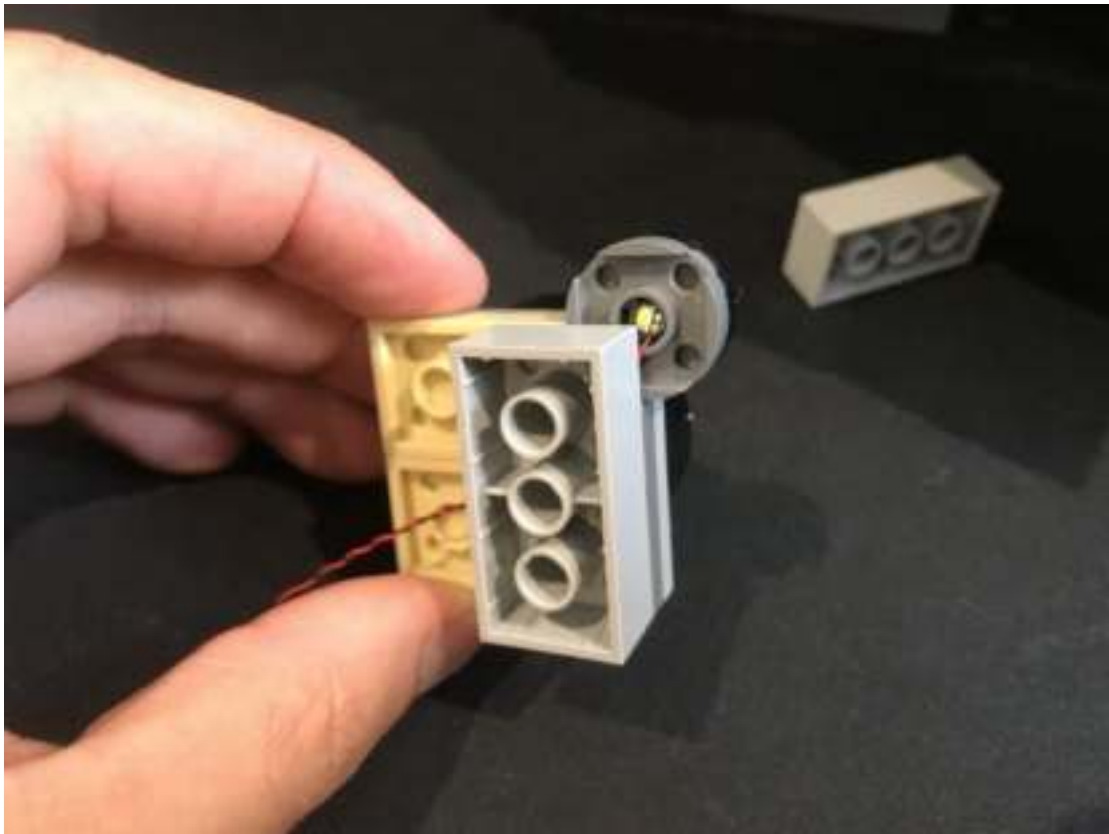
Remove the following section toward the side of the ship. Place it upside down and then disconnect the two light grey 2x4 bricks connected underneath.





Take a White 30cm Dot Light and place it (facing up) directly in the centre of the round plate. Carefully reconnect one of the 2x4 bricks ensuring the cable is laid in between studs. You should be able to see the Dot Light peaking out.



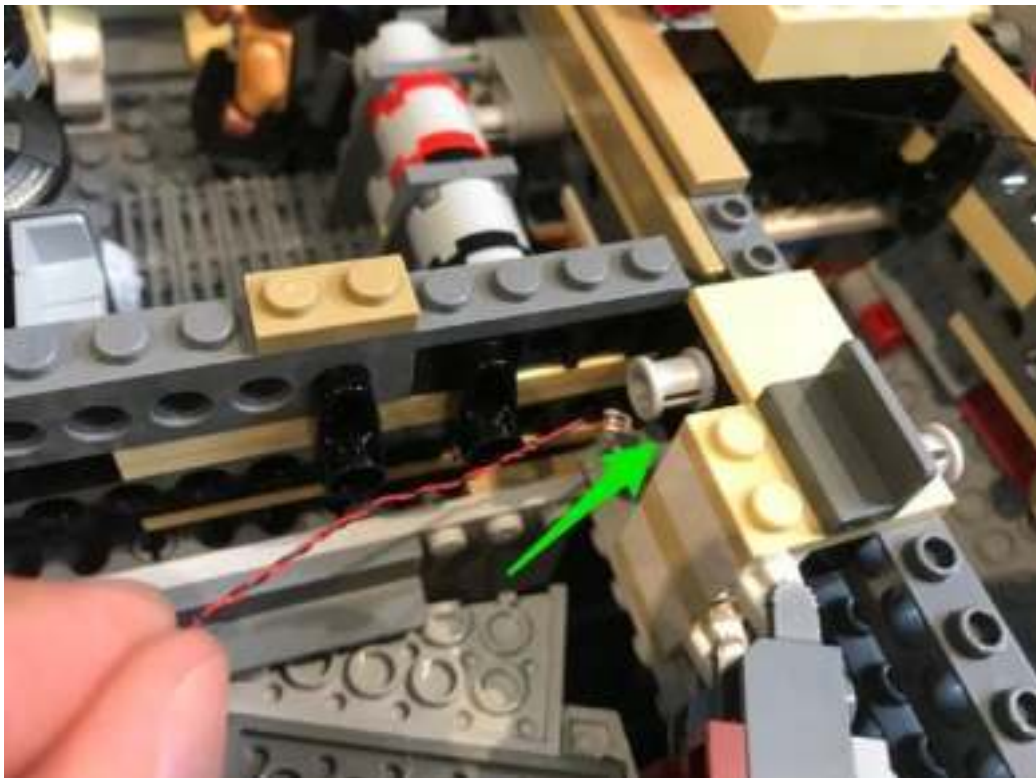


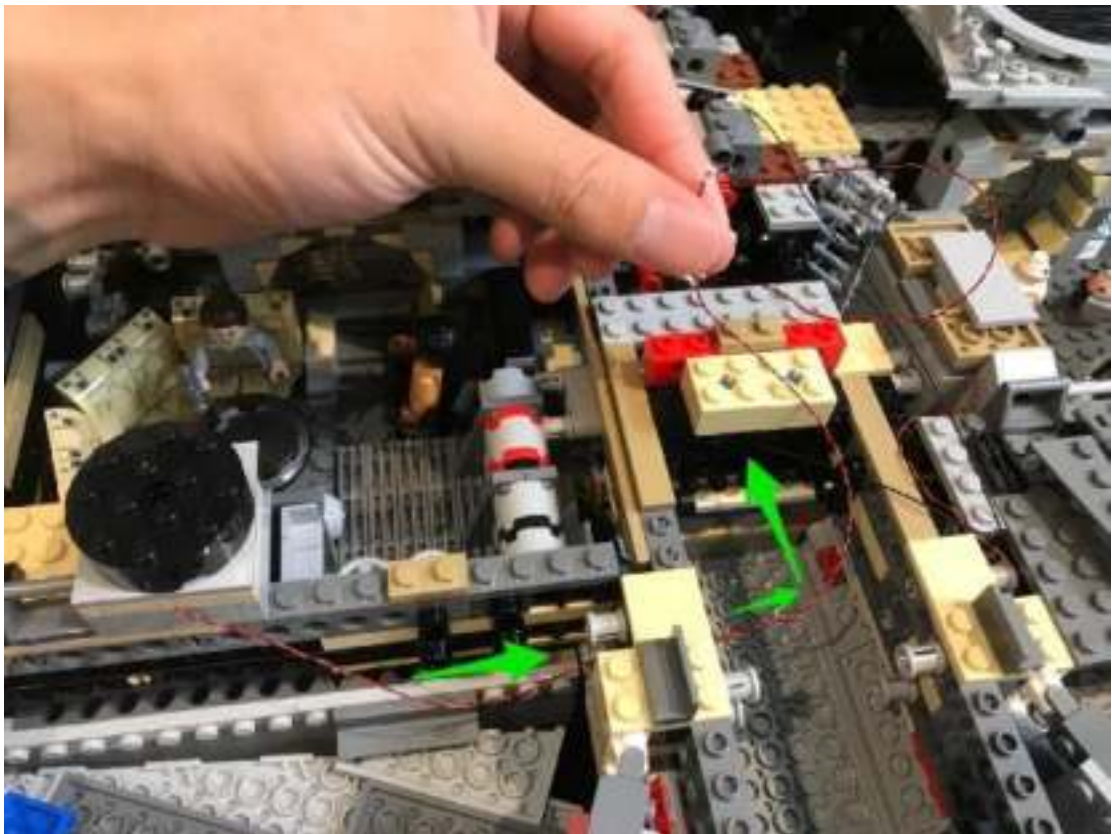
Reconnect the second 2x4 brick ensuring the cable is laid in the middle, before reconnecting this section to the side of the ship. The Dot Light should now be facing down to shine down on this part of the cabin.

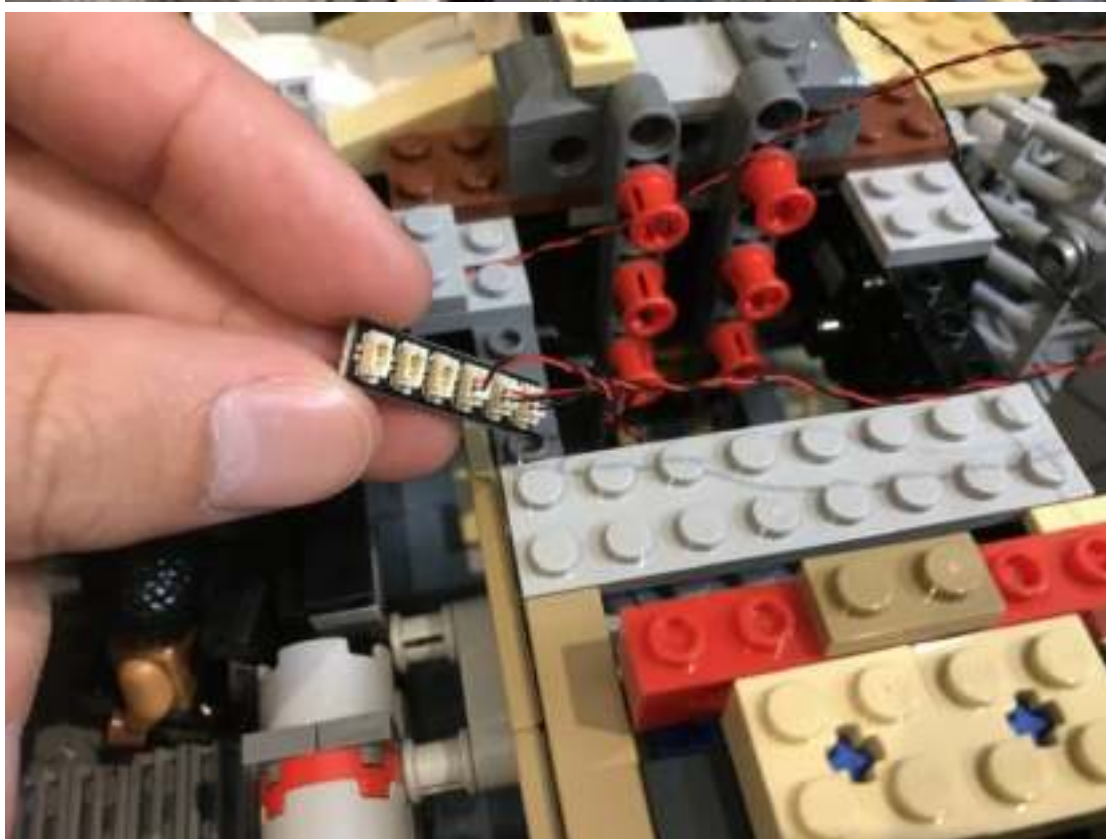




Pull the cable behind and toward the right. Thread it through the space which leads to the other side and then thread it underneath, up toward the middle before reconnecting it to the 6-port expansion board.



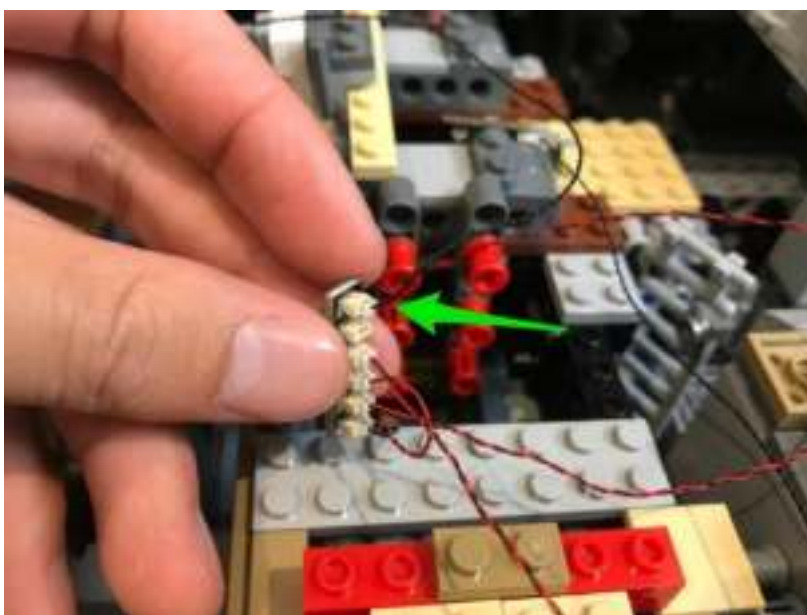




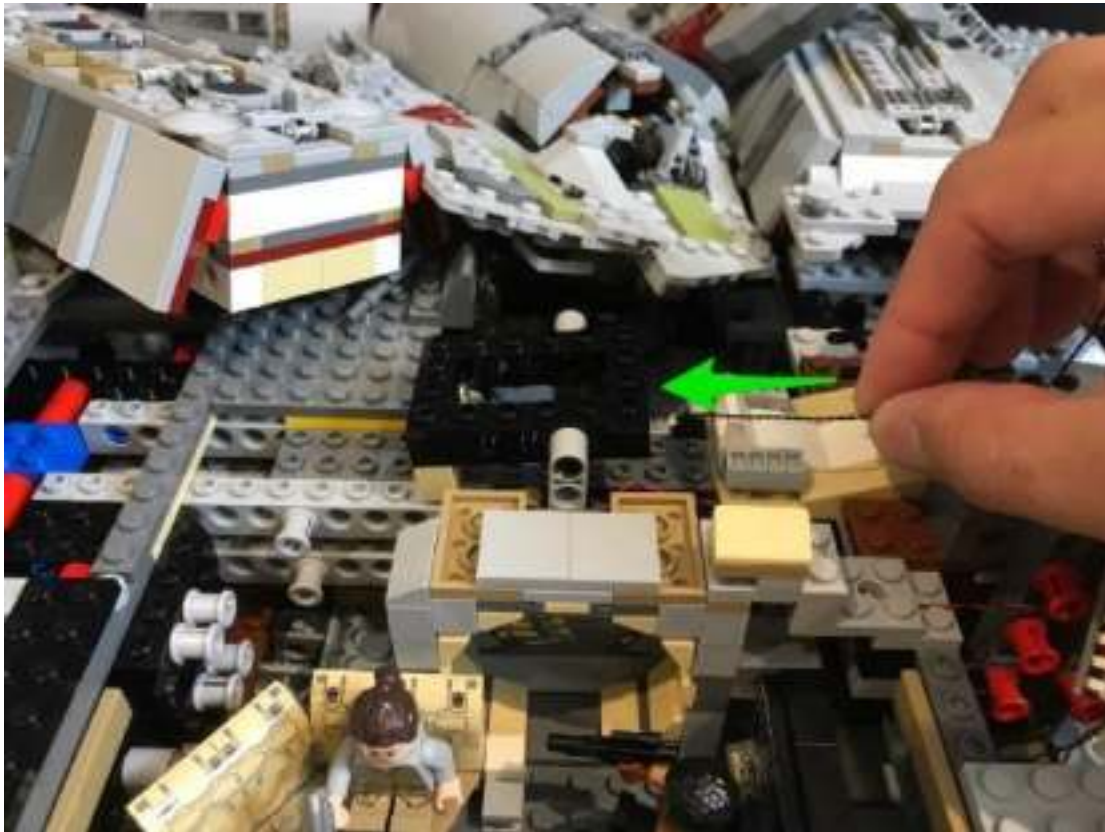
Take another White 30cm Dot Light and this time connect the connector side first into the next available port on the 6-port expansion board. Leave the Dot Light end as is for now as we will stick this end to the roof of the middle section later.

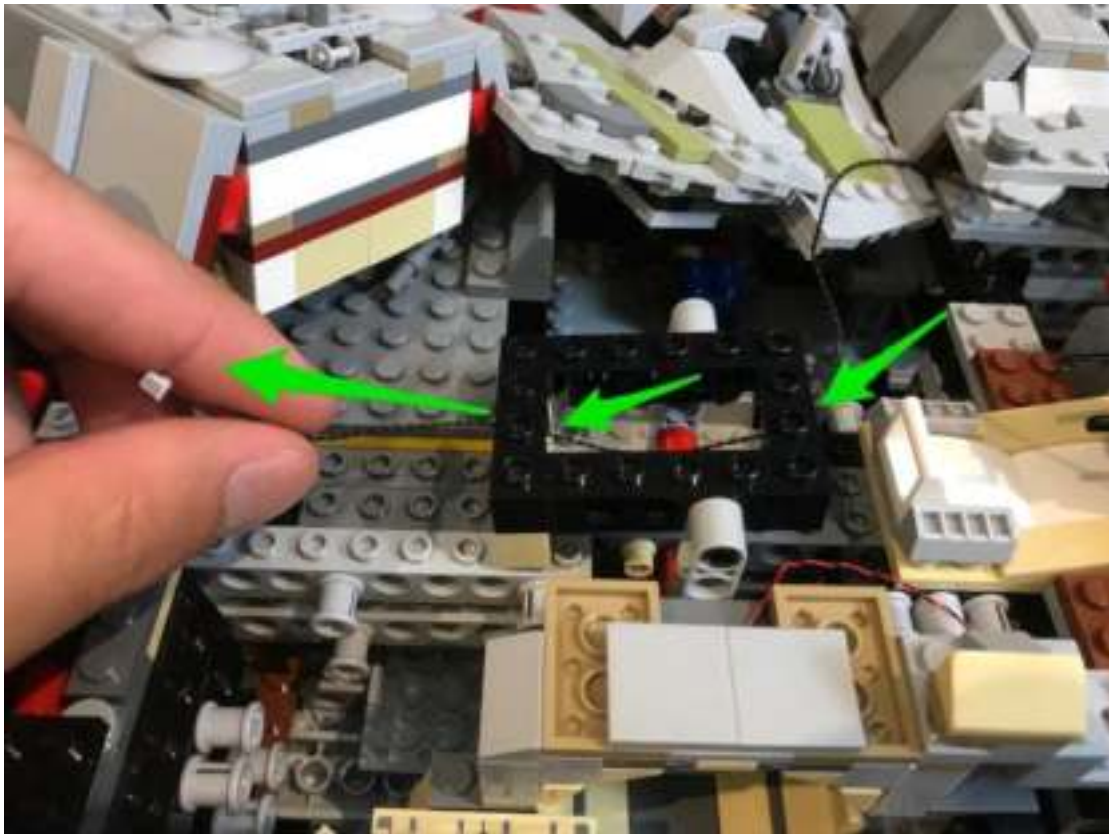


Take another 30cm Connecting Cable and connect this to the next available port on the 6-port expansion board.



Thread the other end of the cable down the middle of the falcon toward the left. Feed the cable through the technic holes as shown below:





Take the roof of the middle section and before we reconnect this section, turn it over and then using another adhesive square, stick the White 30cm Dot Light from step 27 to the following position. This dot light will be used to shine down and light up this section of the cabin.





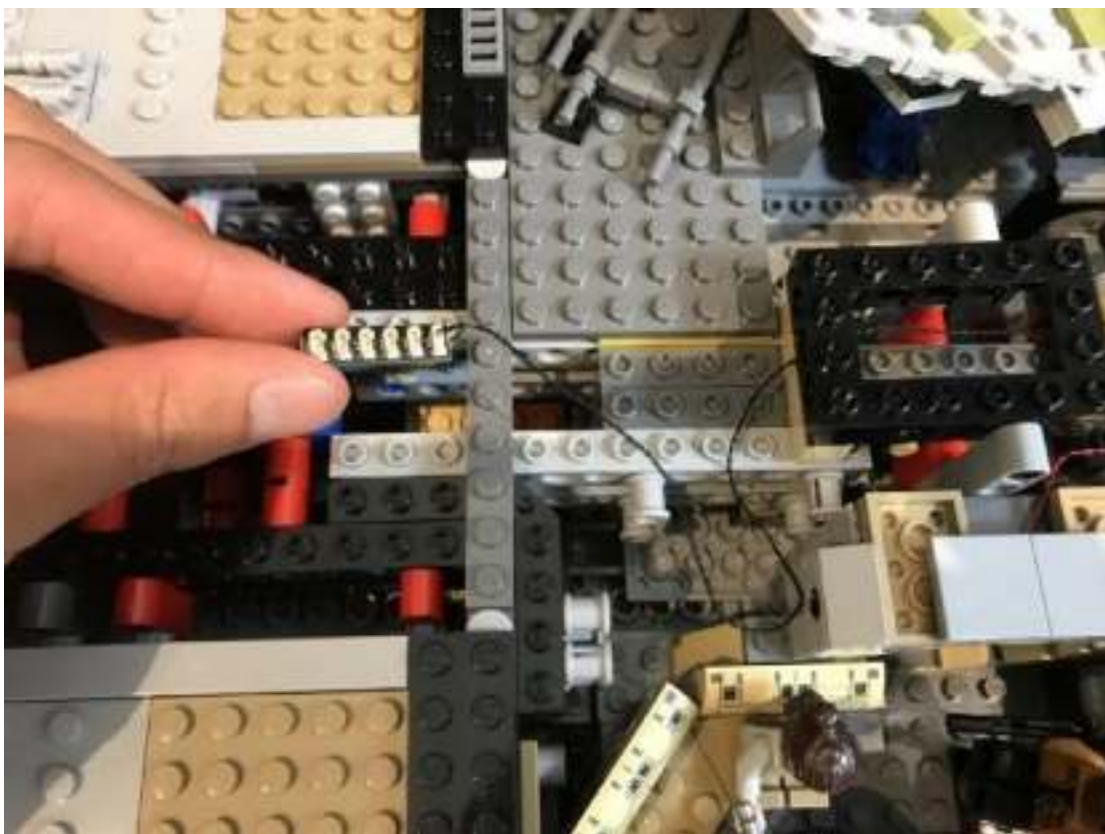
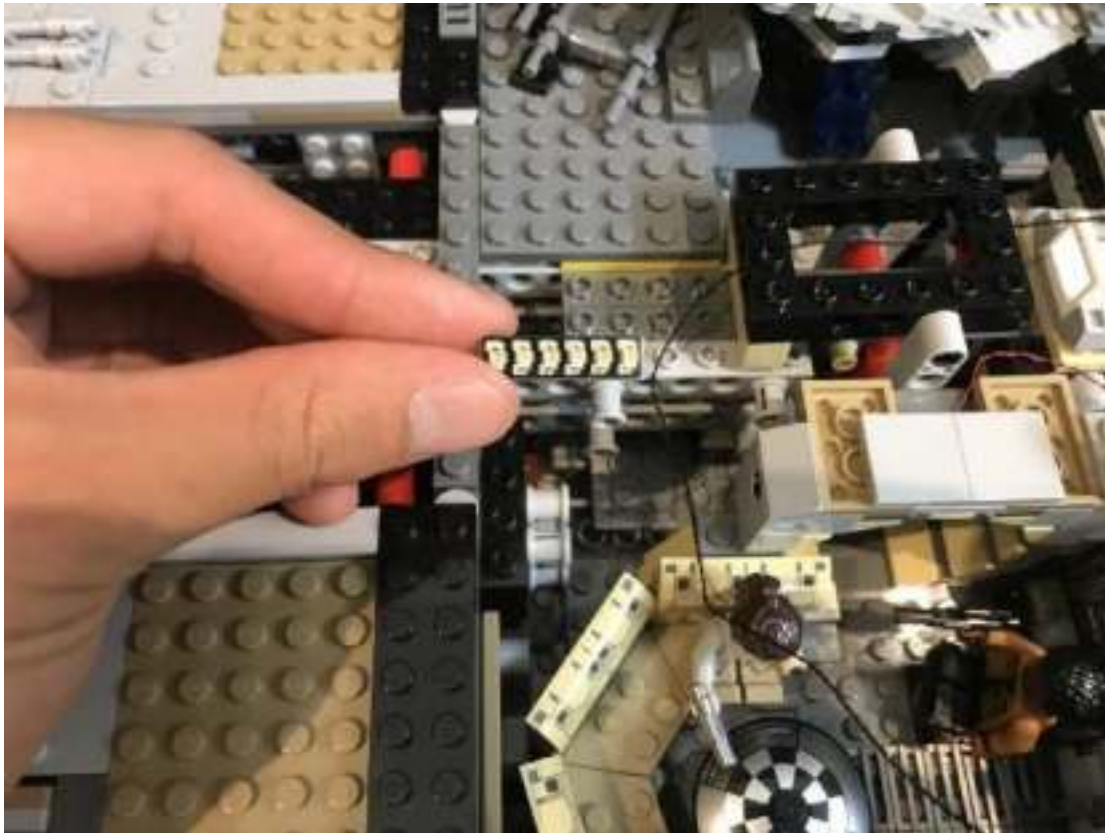
Reconnect the middle section securely.



Turn the Battery Pack on to test the lights we have installed to this cabin section.

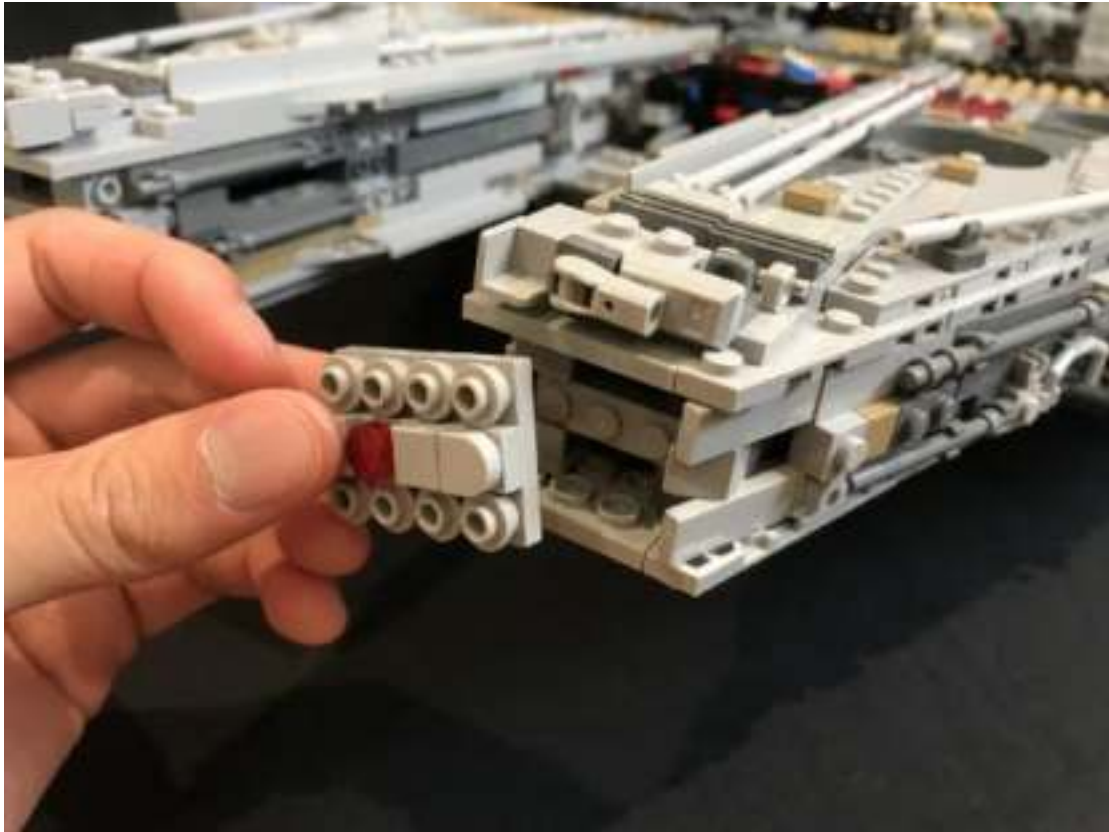


Take another 6-port Expansion Board and connect the other end of the 30cm connecting cable from step 28 to the first available port on the expansion board. Bring the expansion board over to the left

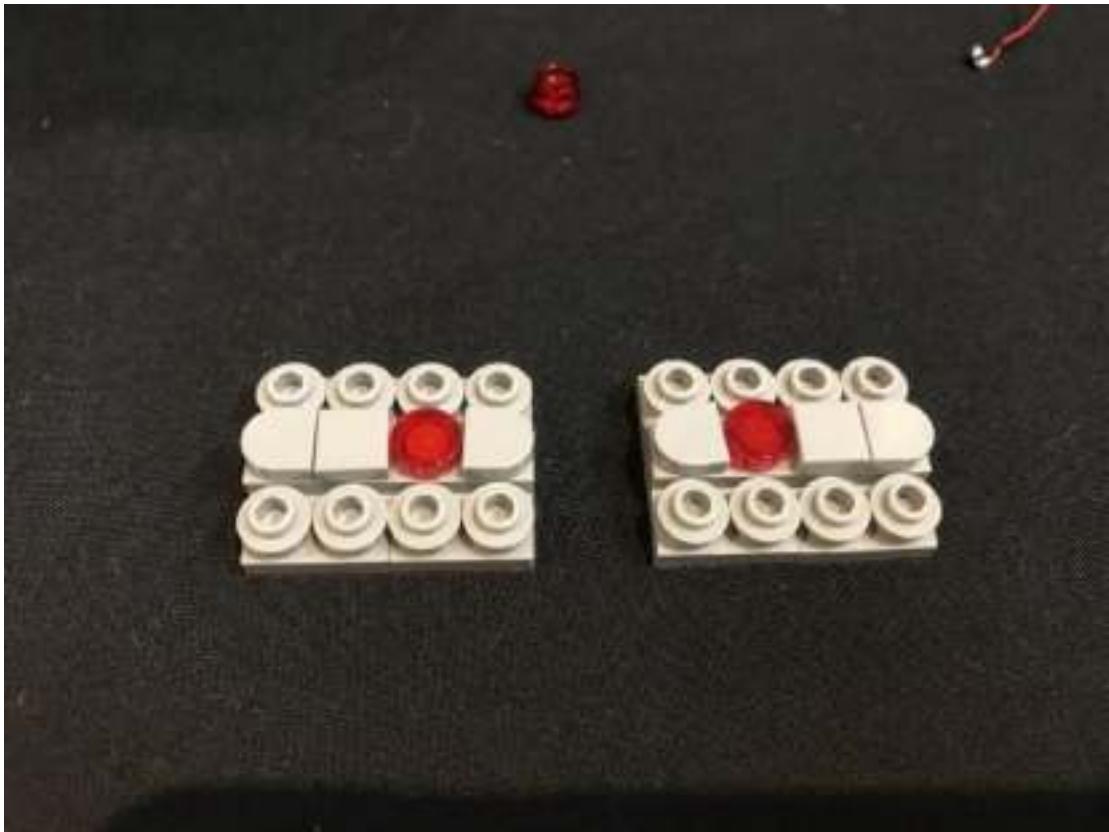


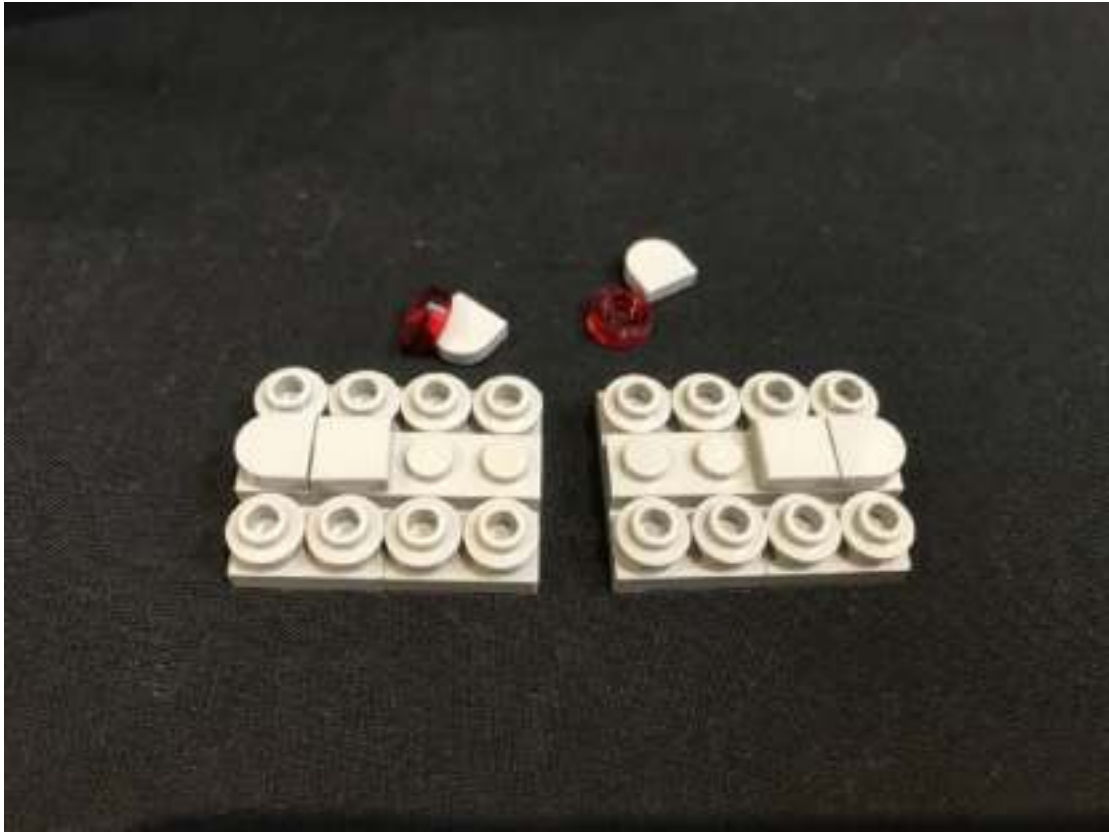
We will now install lights to the front of the Millennium Falcon. First remove the front plate sections from each side as shown below.



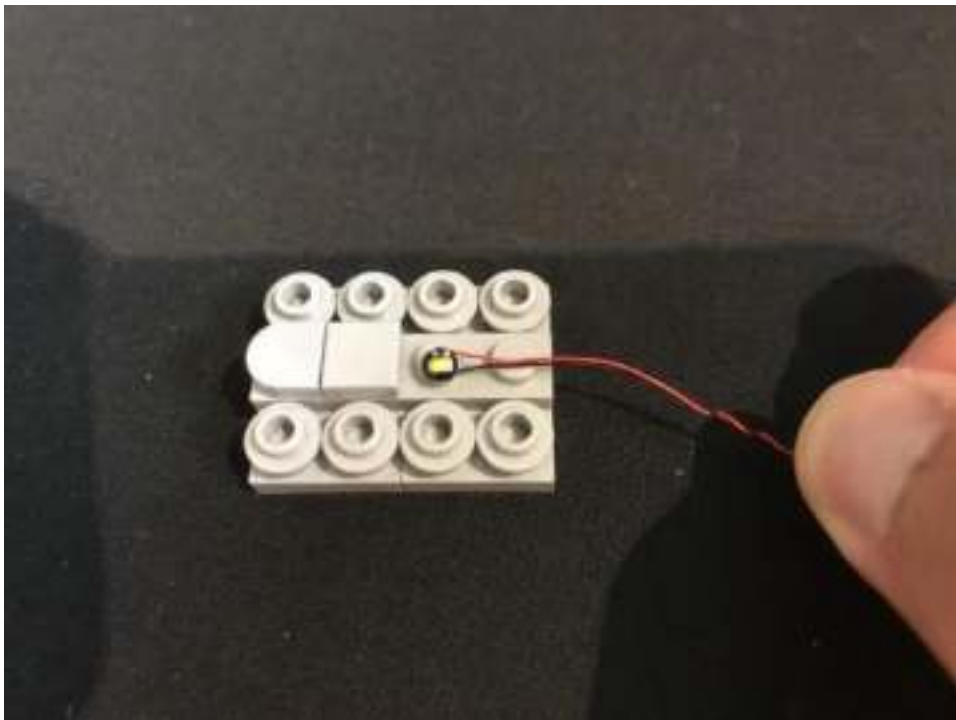


Remove the following pieces from each plate.

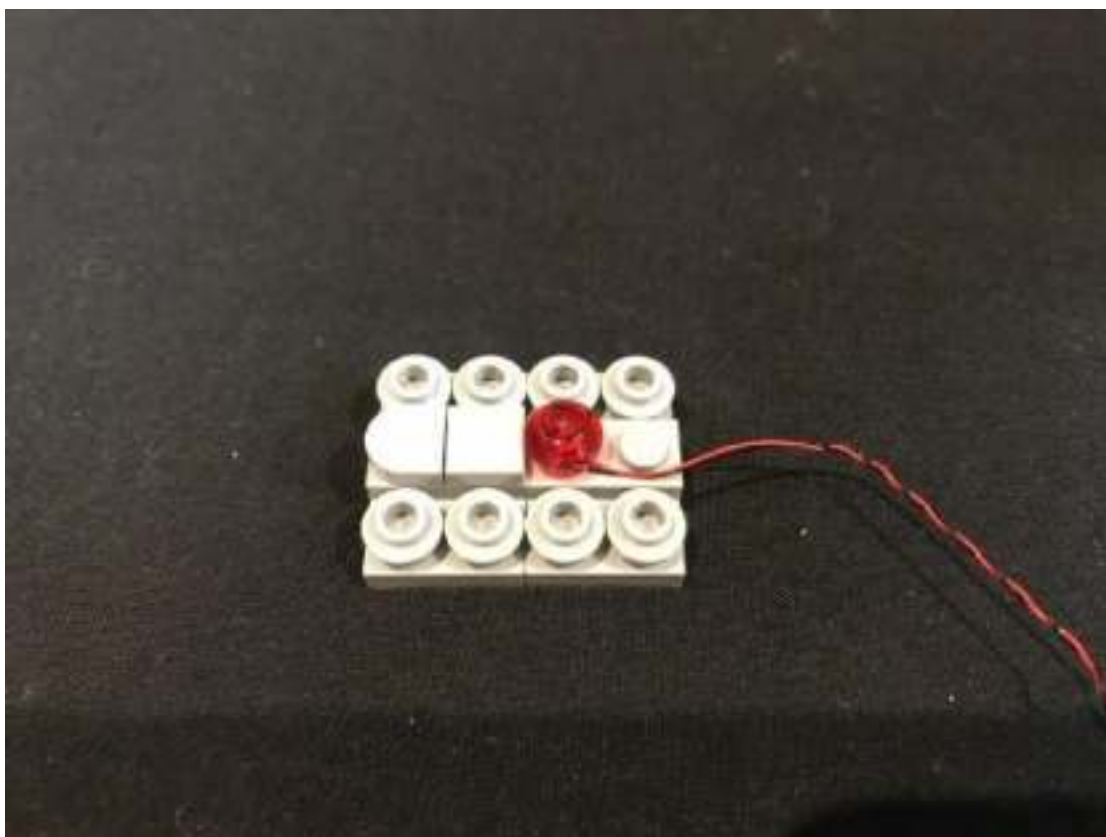




Starting with the left plate, take a White 30cm Dot Light and place it directly over the stud shown below ensuring the cable is laid the same way. Take one of the provided 1x1 Round Plates (trans red) and connect it over the top securing the Dot



Light in place.



## Friendly tips

The small round pellets in the parts package are designed with openings. After manual processing, the cut-out gap is about 1mm wide and 2mm deep.

No opening:

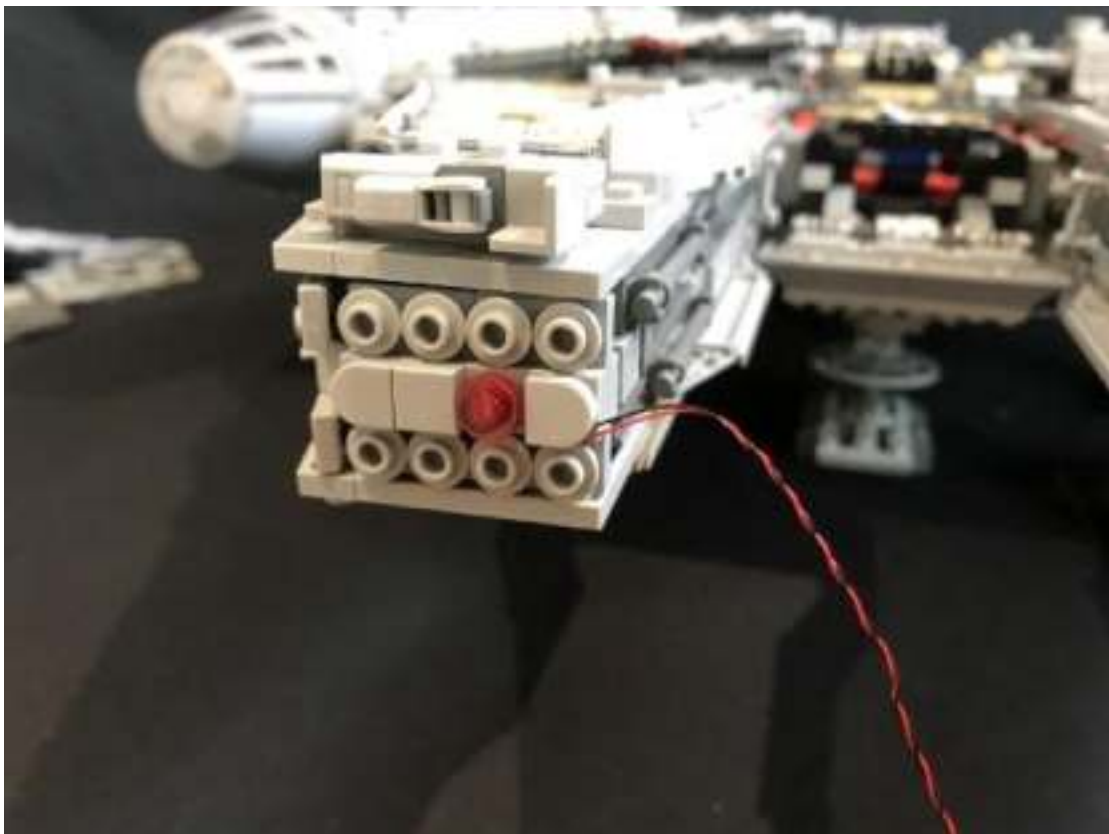
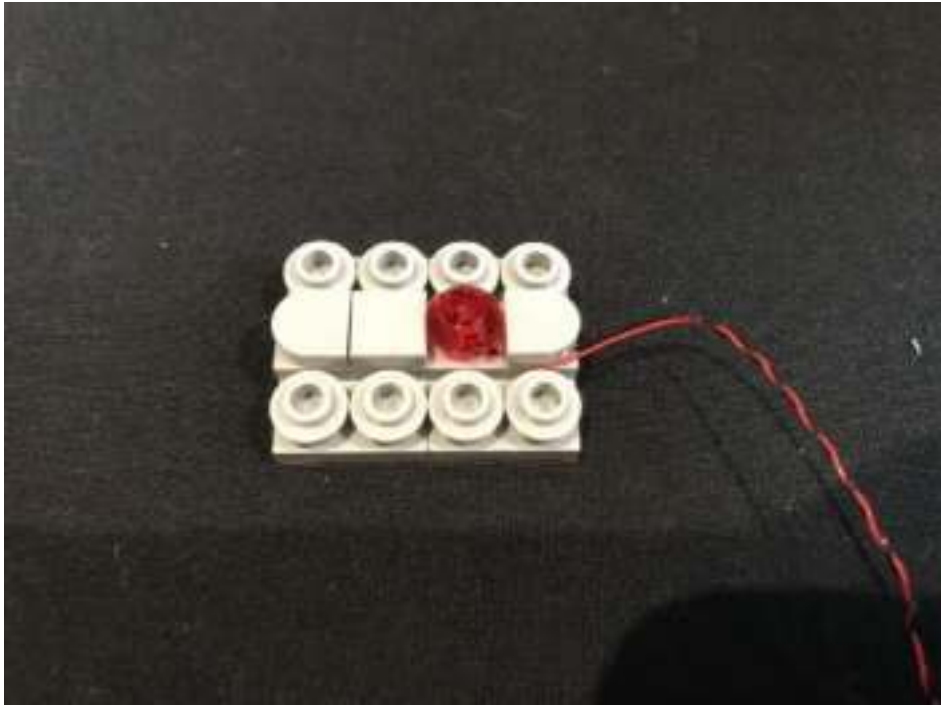


Opening pieces:

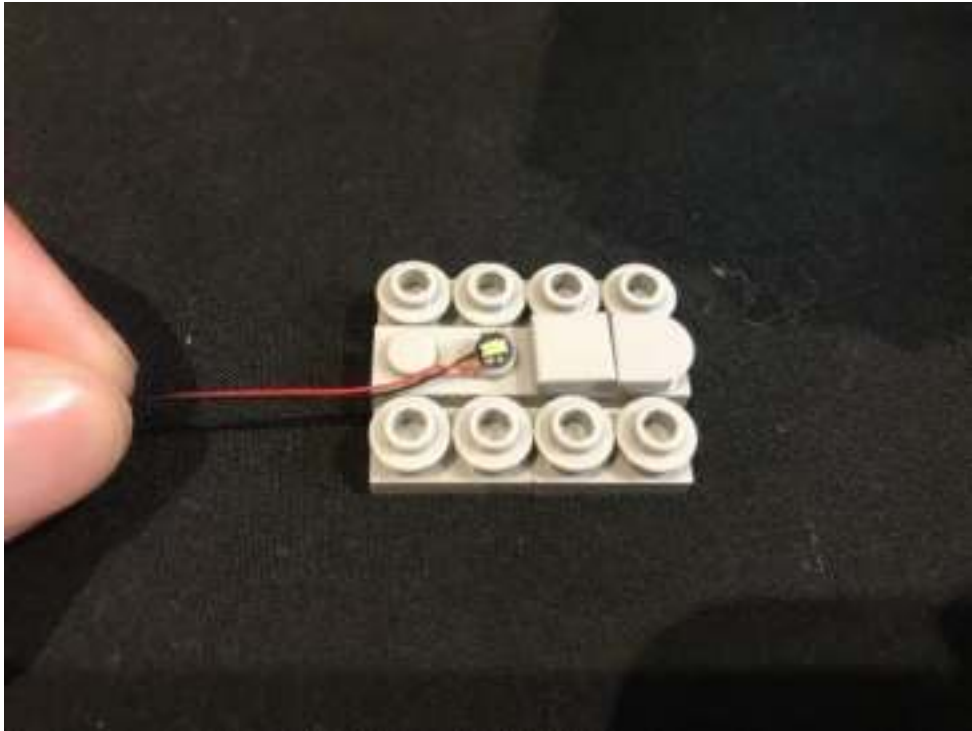


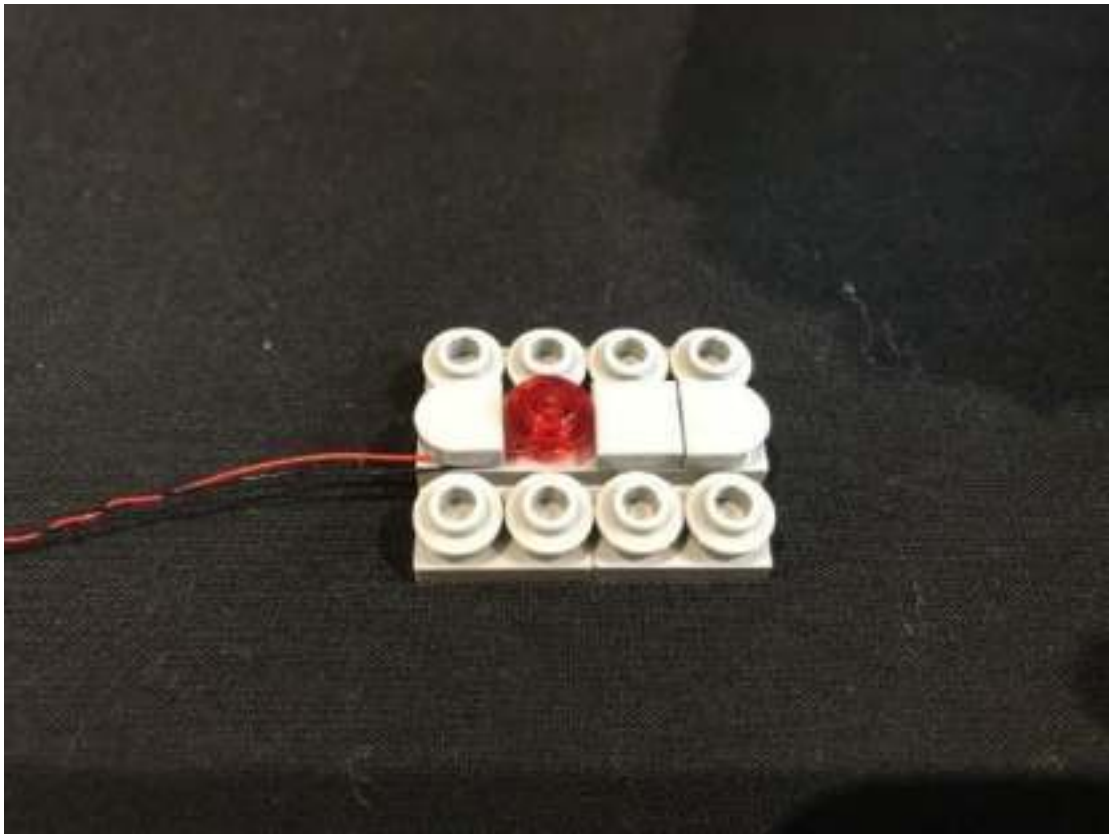
**Need to install the lamp thread through the gap on the building block.**

Reconnect the remaining piece ensuring the cable is laid underneath and then reconnect this section back to the front left of the ship.

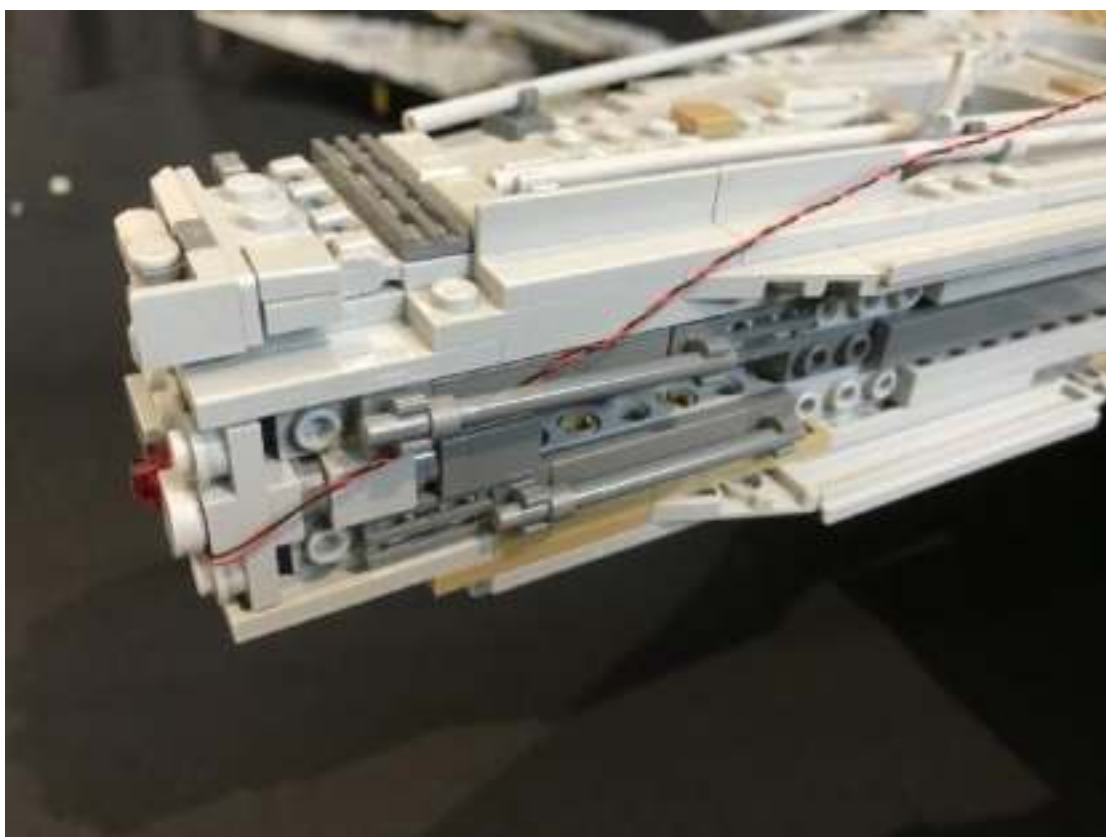


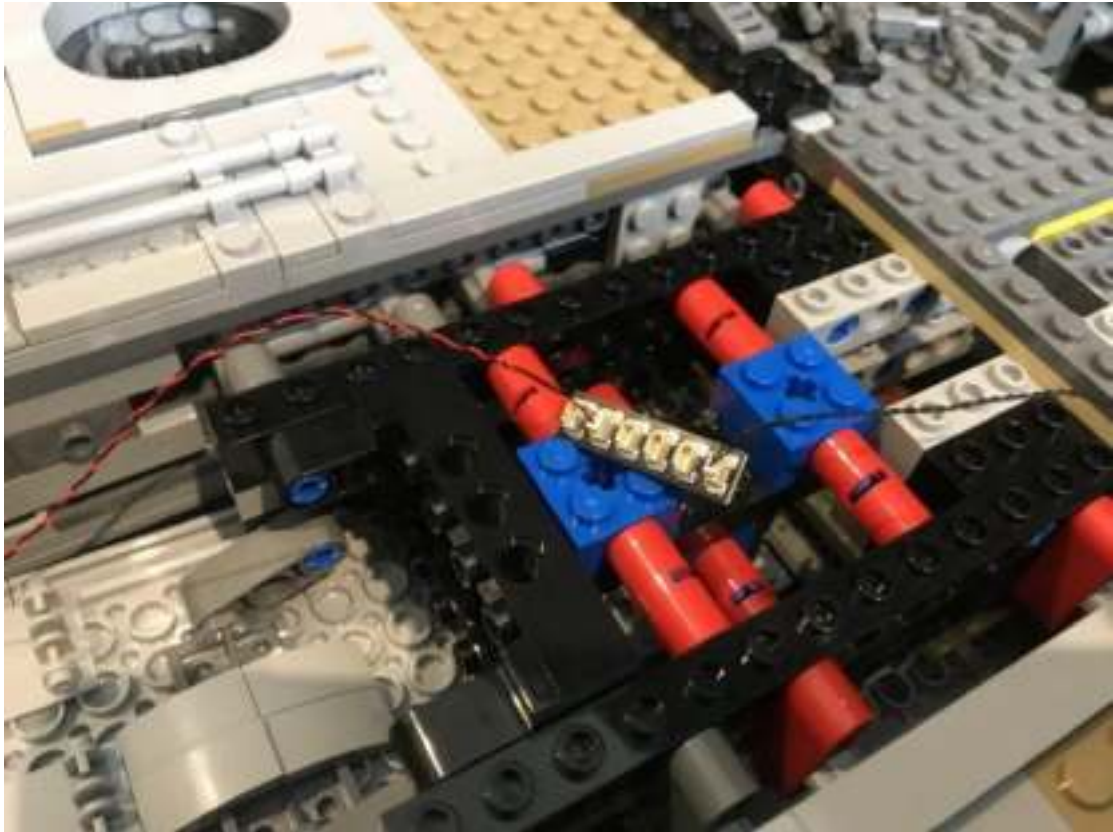
Repeat the previous step for the front right side using another White 30cm Dot Light and provided 1x1 Round Plate (trans red)





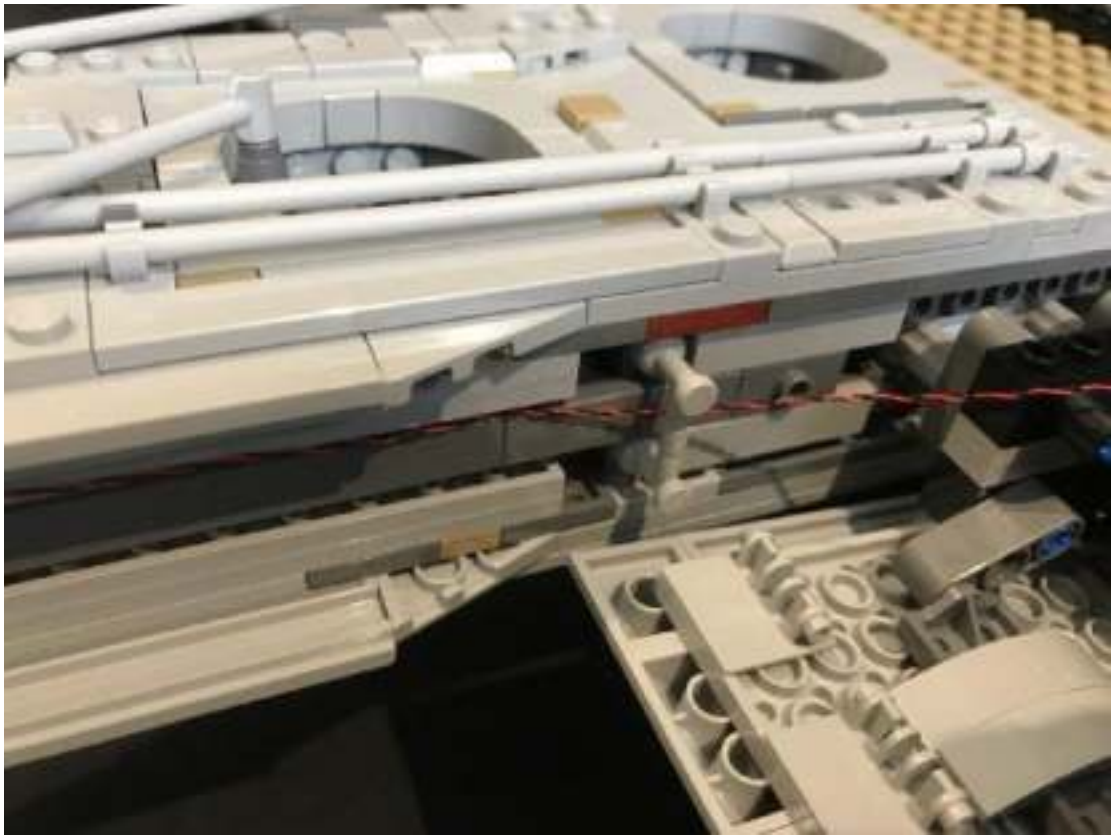
Pull the cable from the front left side across to the right toward the inside and secure it underneath the dark grey bar as shown below before connecting the Dot Light into the 6-port expansion board.





Secure the cable underneath the light grey tap pieces as shown below:





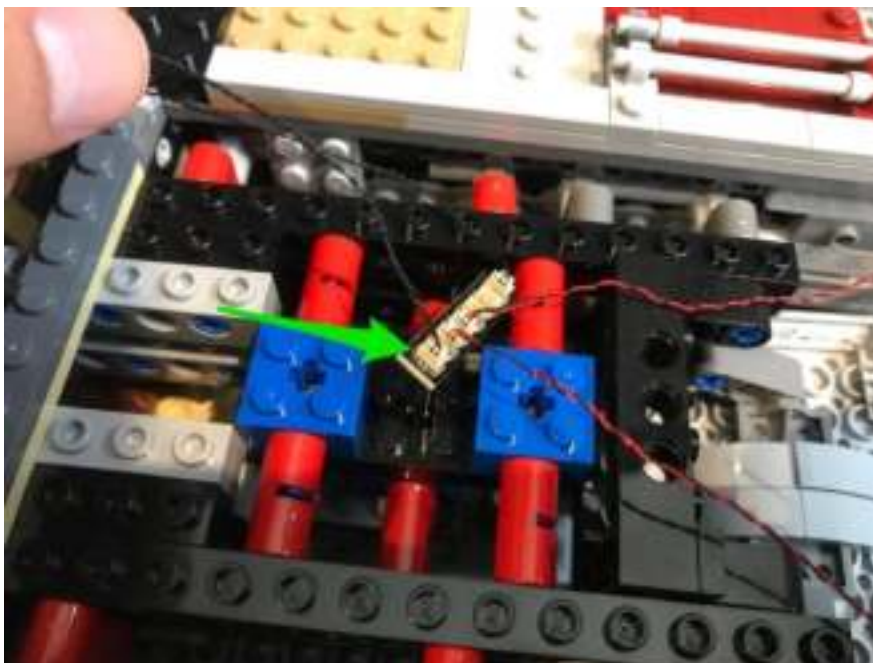
Repeat this process for the front right side.



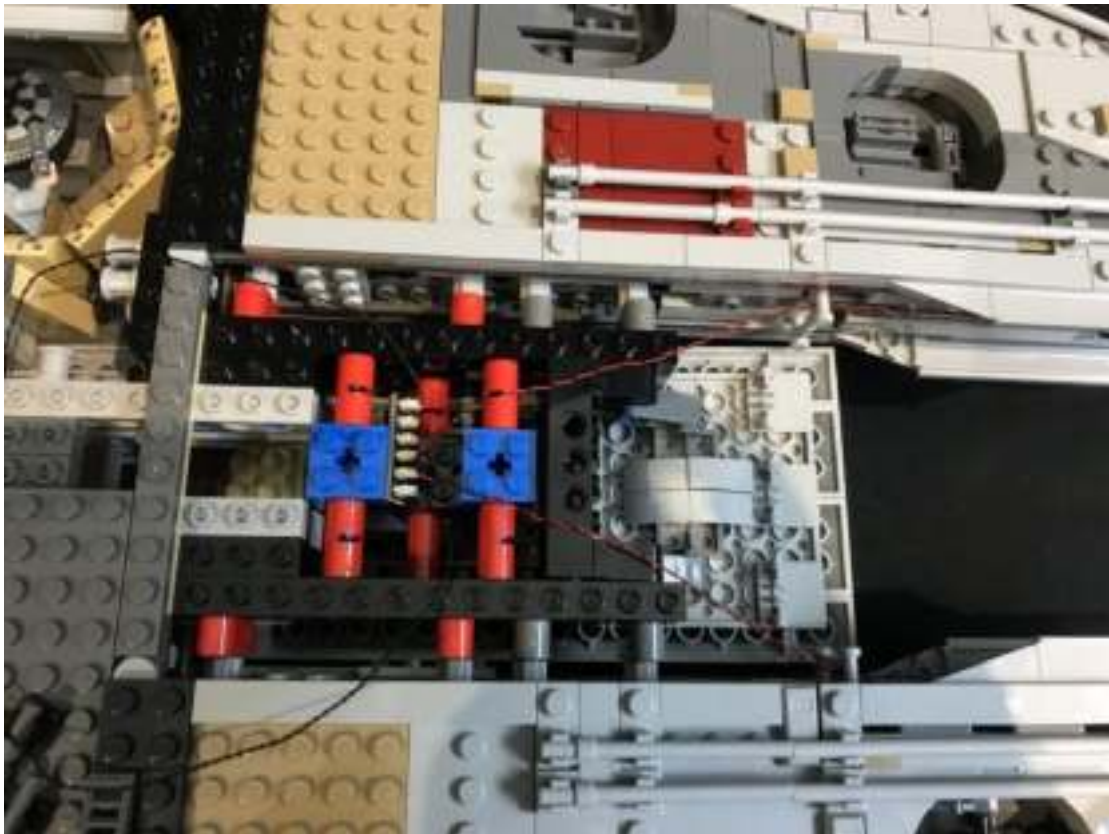
Turn on the Battery Pack to test the front lights are working OK



Take the remaining 30cm Connecting Cable and connect it to the 6-port expansion board. Leave the other end as is as we will connect this later.



Neatly place the expansion board in between sections as per below

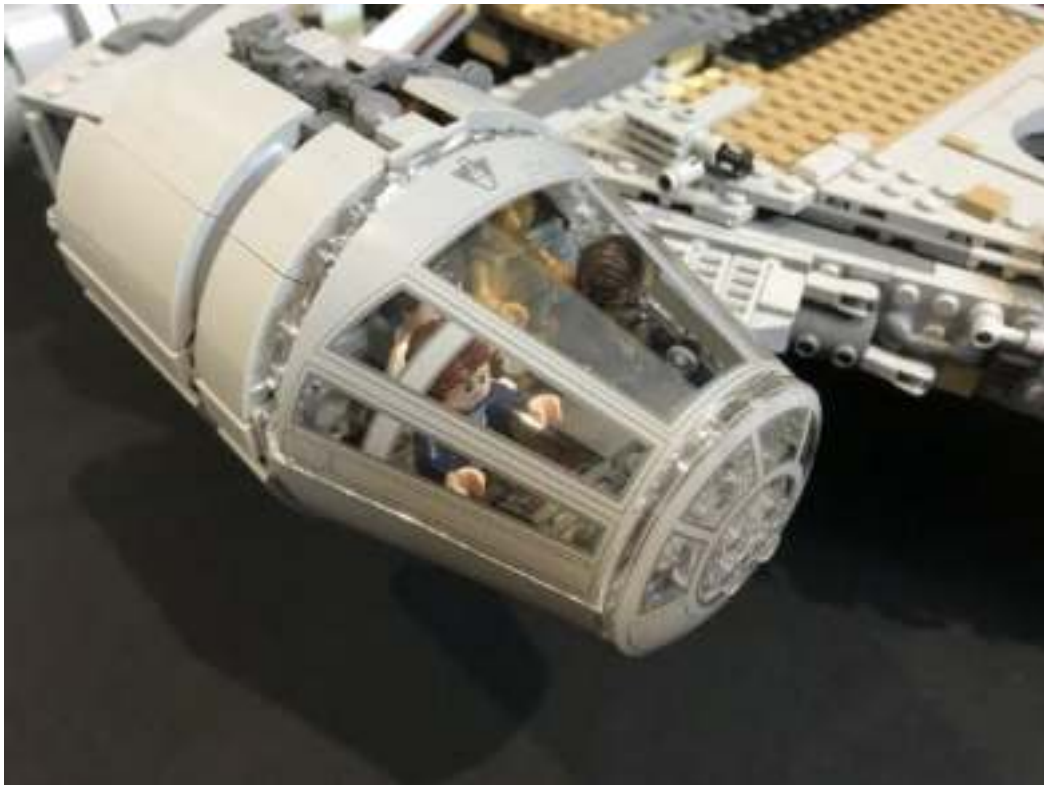


Remove the entire roof sections that leads to the cockpit.





Remove the cockpit window, as well as the section underneath.





Remove the right section of the cockpit as well as the following section underneath.





Take the remaining White 30cm Dot Light and place it directly over the middle stud at the front ensuring the cable is facing out. Connect the provided 1x1 Round Plate (trans clear) over the top of the dot light, securing it in place.

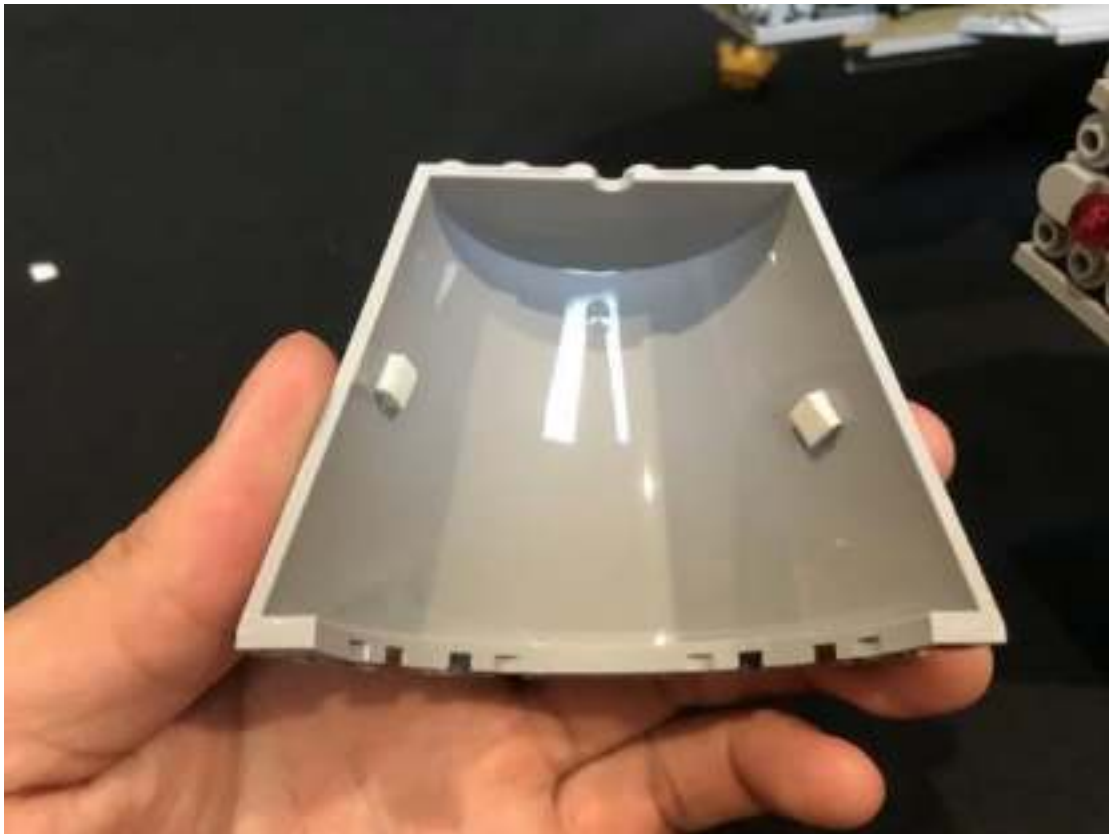


Pull the dot light cable underneath the cockpit and secure it in the space in between the side and middle section.

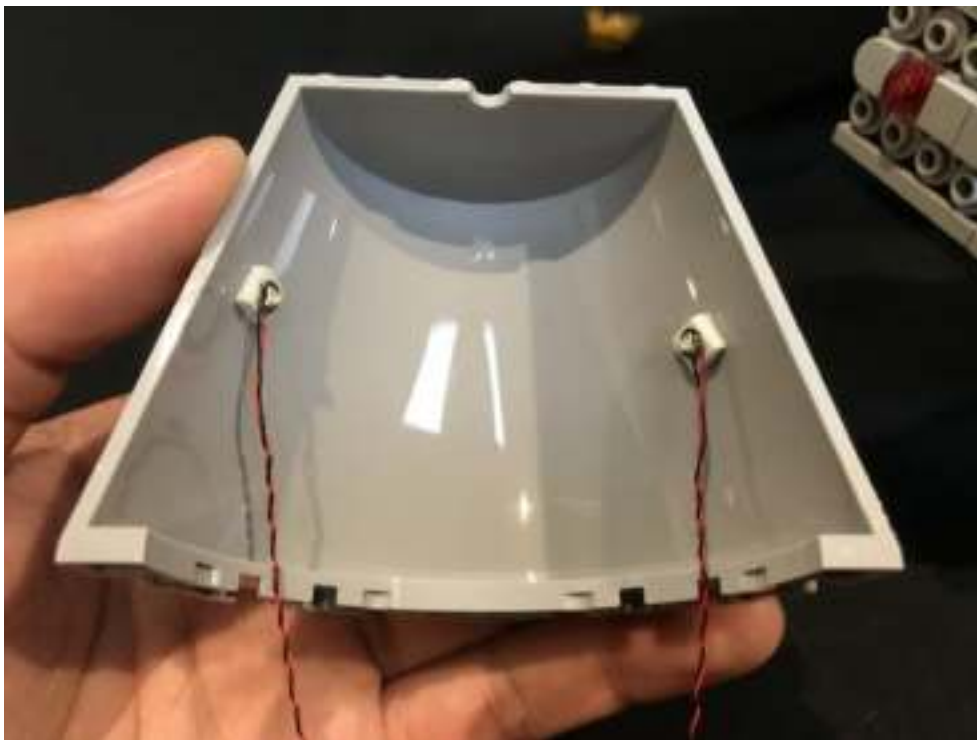


Take the section underneath the cockpit and then stick 2x adhesive squares in the following positions.





Take the 2x Blue 30cm Dot Lights and then stick them on the adhesive squares with cable facing the same way as shown below.



Reconnect the section underneath the cockpit and thread all cables underneath and then along the right side.



Reconnect the section underneath the right section of the cockpit we removed earlier and then connect the lower section of the cockpit underneath securely.





Reconnect the right section of the cockpit ensuring all cables are neatly hidden underneath.

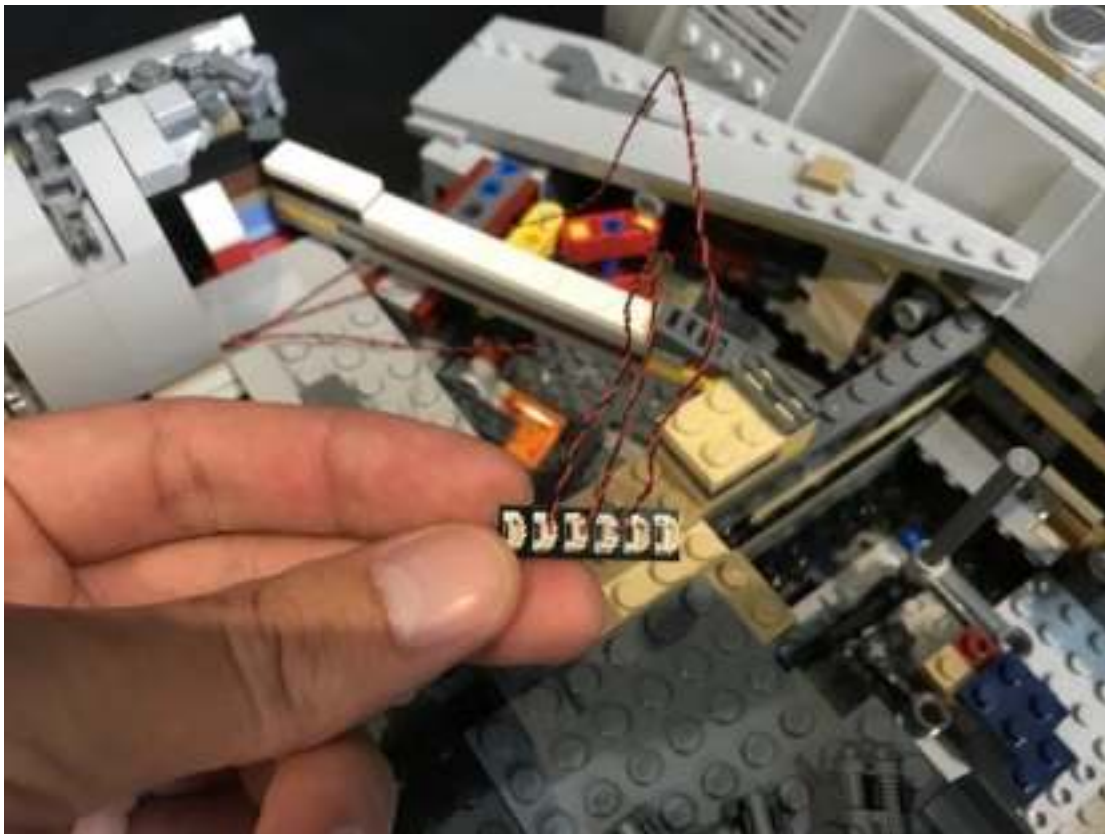
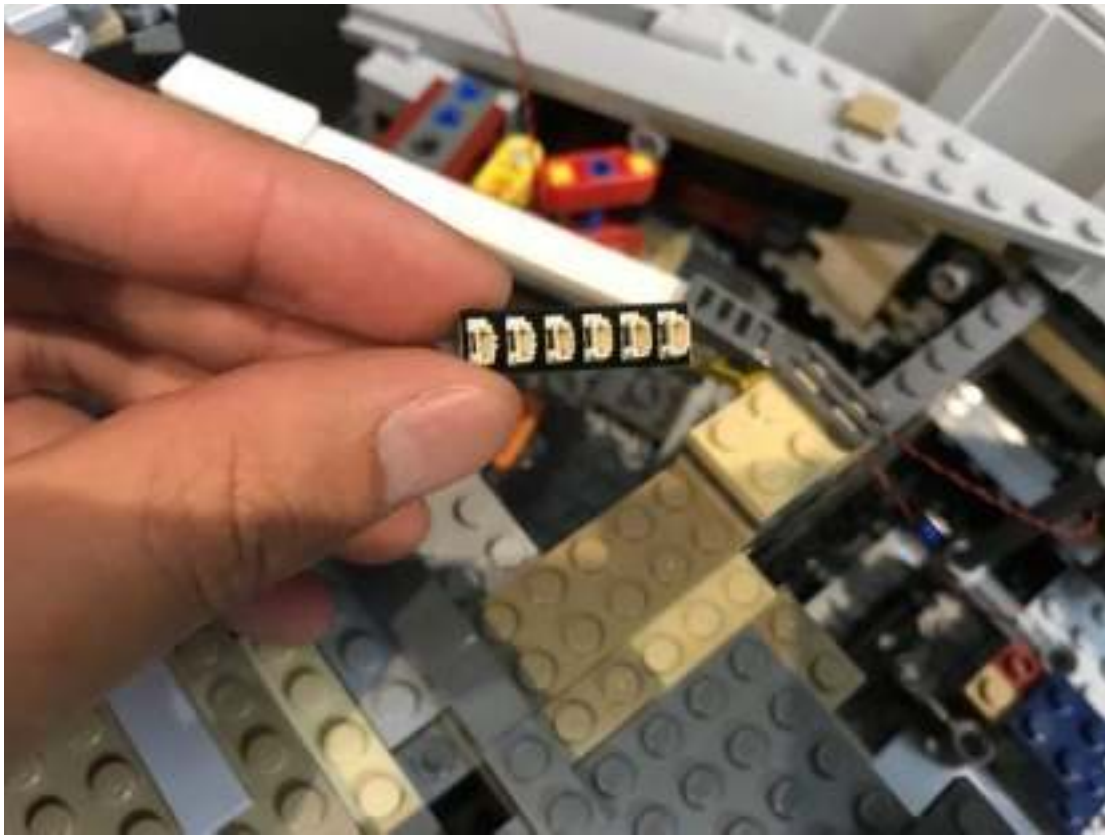


Reconnect the cockpit window.

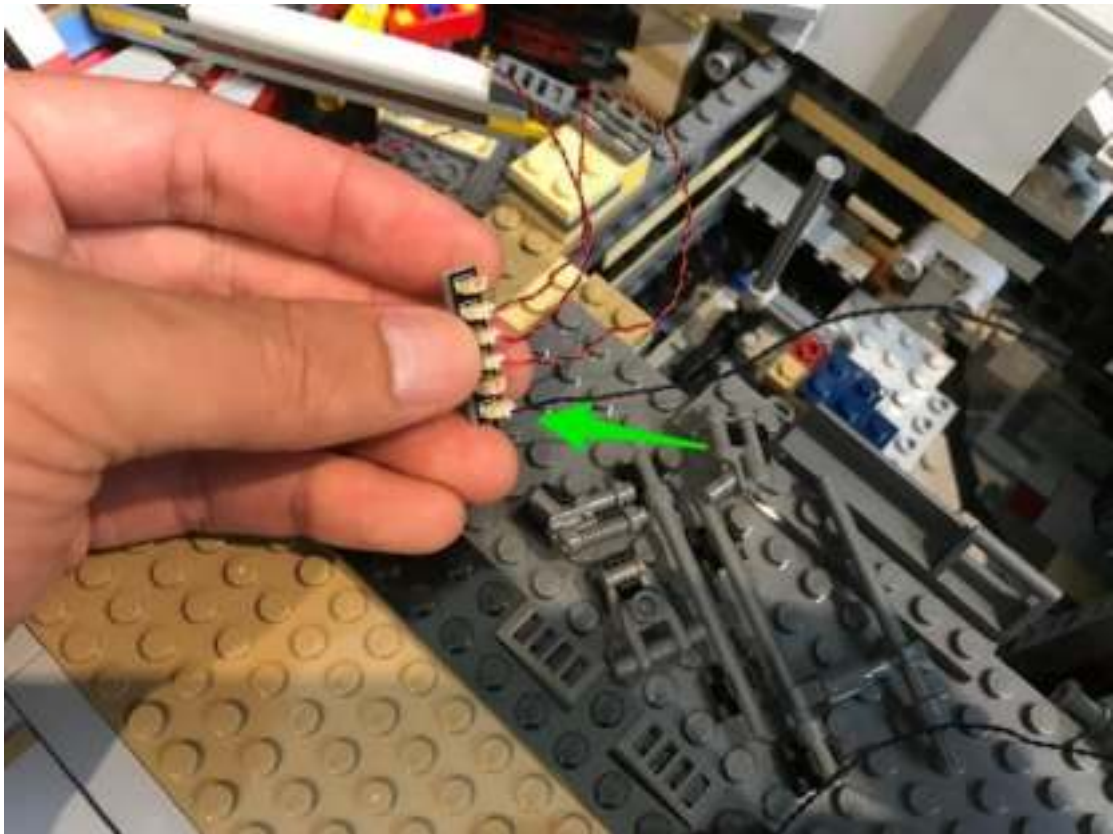


Group the 3x Dot Light cables together and then thread them underneath the white bar that leads inside the falcon. Take a 6-Port Expansion Board and then connect the dot light cables to available ports.

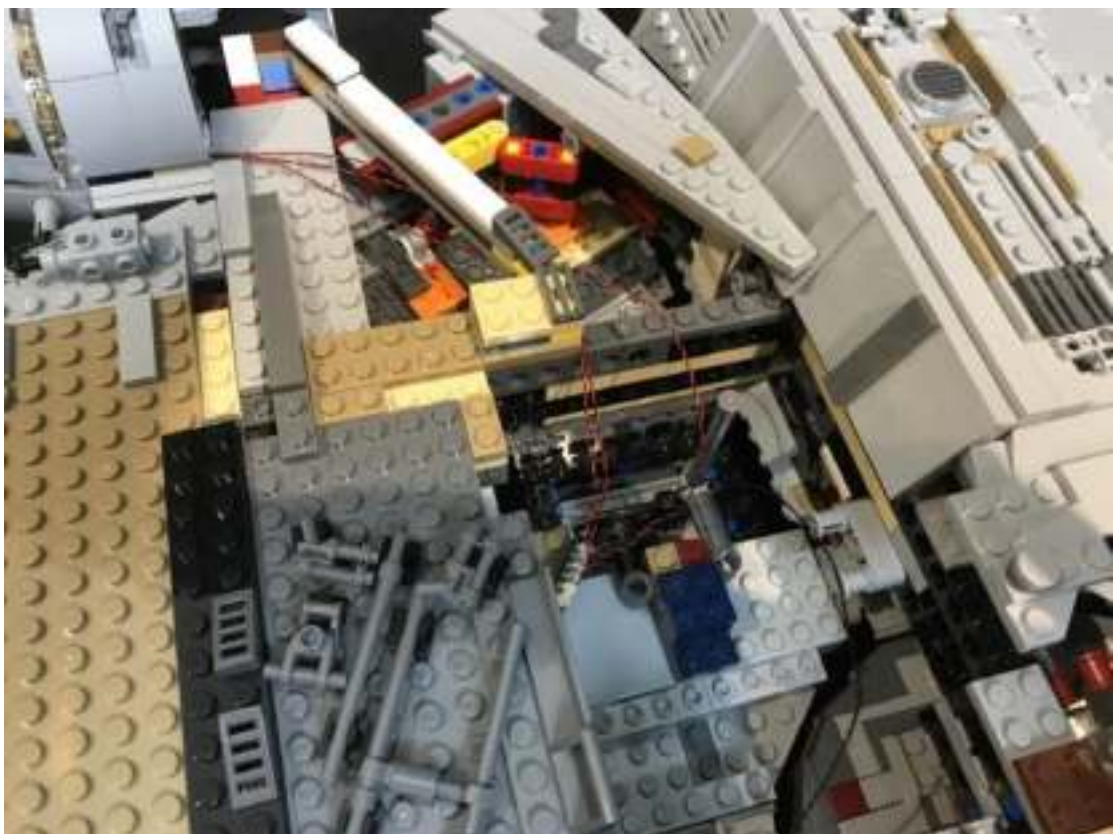




Locate the other end of the 30cm connecting cable from the expansion board earlier (step 35) and connect this to an available port.



Neatly place the expansion board inside the middle compartment and then turn the Battery Pack on to test all lights are working so far.





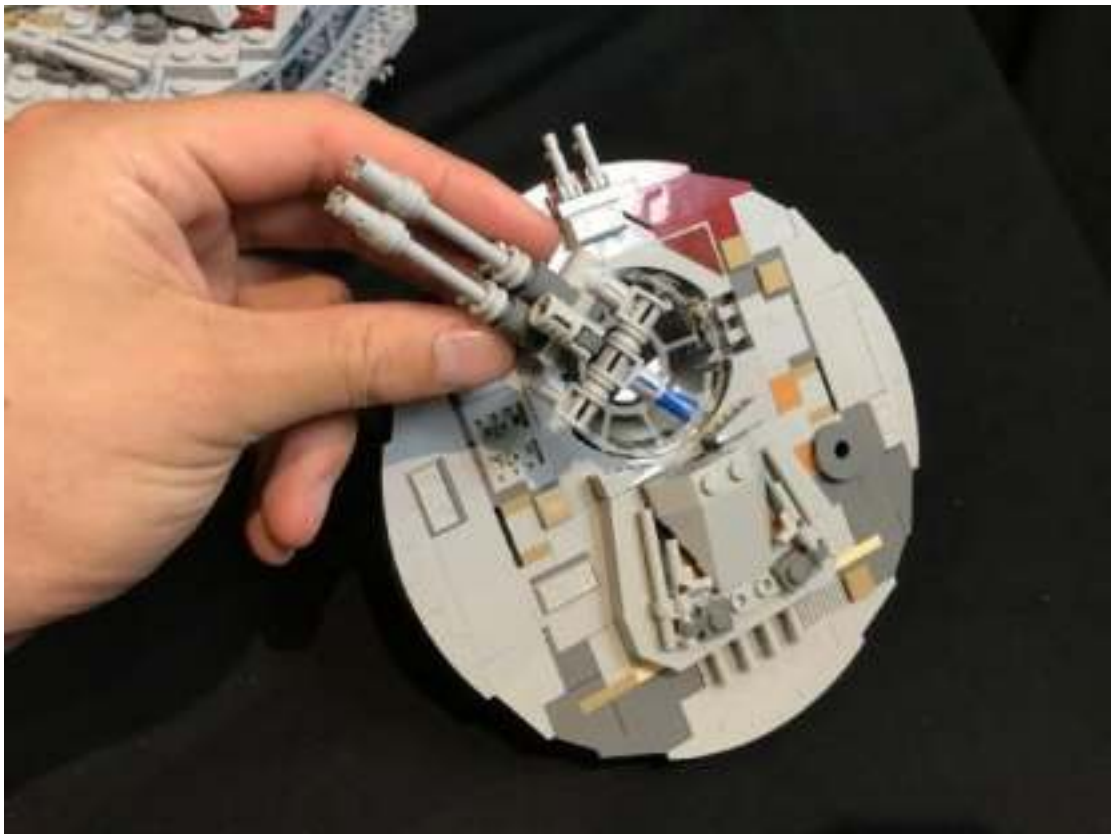
Reconnect corridor roof sections that lead to the cockpit as well as the front half roof sections of the ship ensuring all cables and components are neatly hidden underneath.





We will now install lights for the top and bottom cannons. First remove the main round roof section above and then disconnect the cannon section at the technic blue pin.







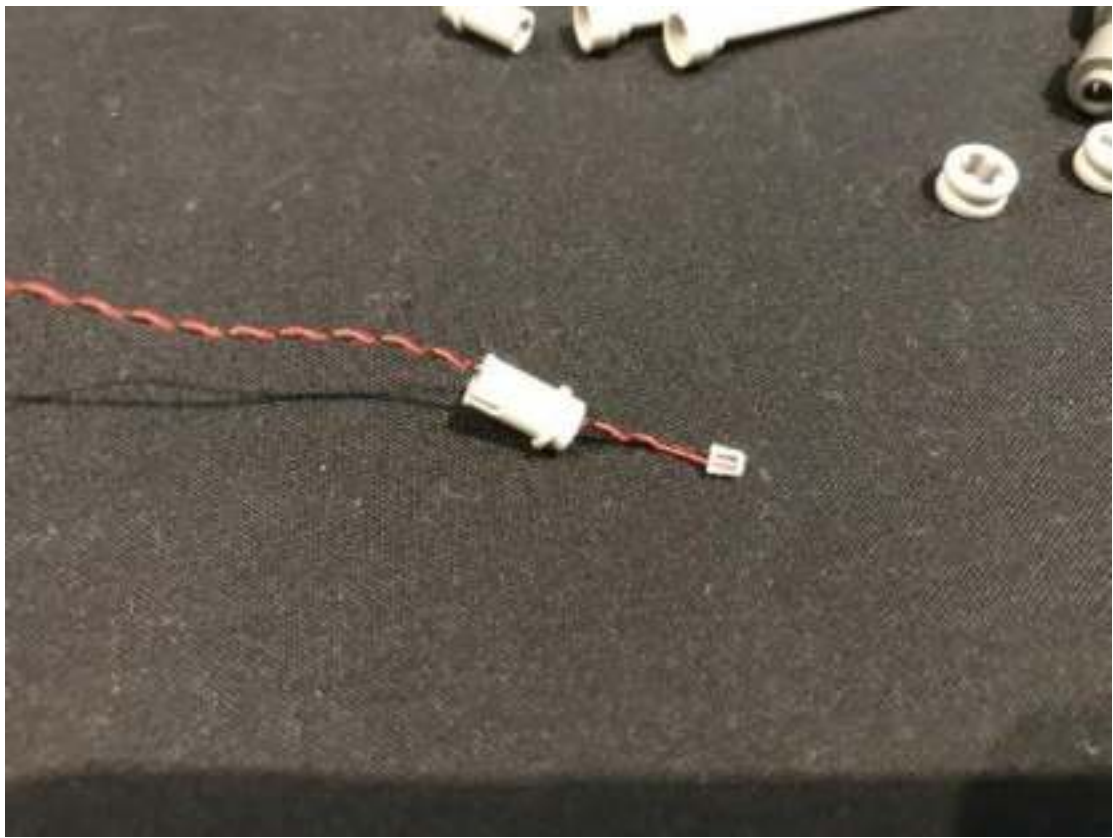
Disassemble pieces from the 4 cannon sections as per below.





Take one of the Red 30cm Dot Lights and thread the connector side through the top of the 1/2L technic pin. Thread the dot light all the way through and then bend the LED component slightly so that it sits flat against the top of the pin.







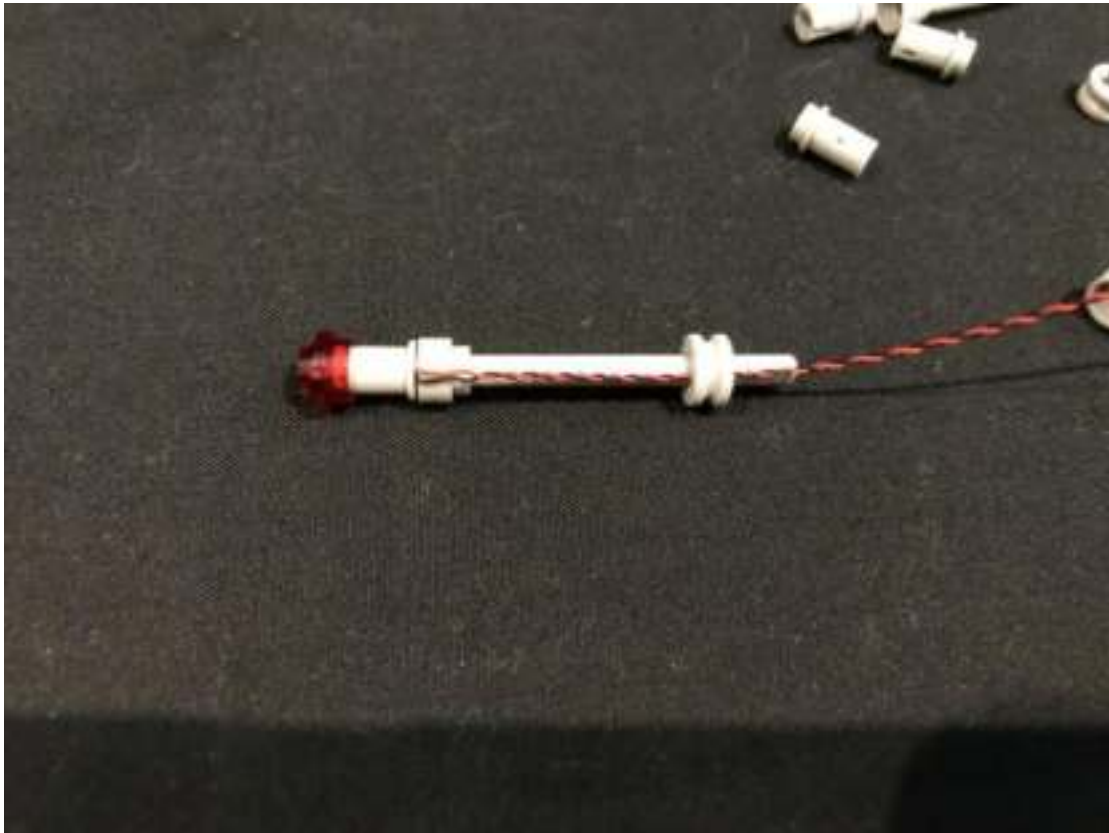
Take one of the provided Trans Red 1x1 Round Plate and connect it directly over the top of the Dot Light to secure it in place.



Reconnect the 1/2L technic pin to the section below and then thread the dot light cable through the technic ring.



Bring the ring up and then reconnect it to the pole section ensuring you eliminate excess cable by pulling the end of the cable down as you bring the ring up.



Reconnect the dark grey 1x1 round brick underneath.



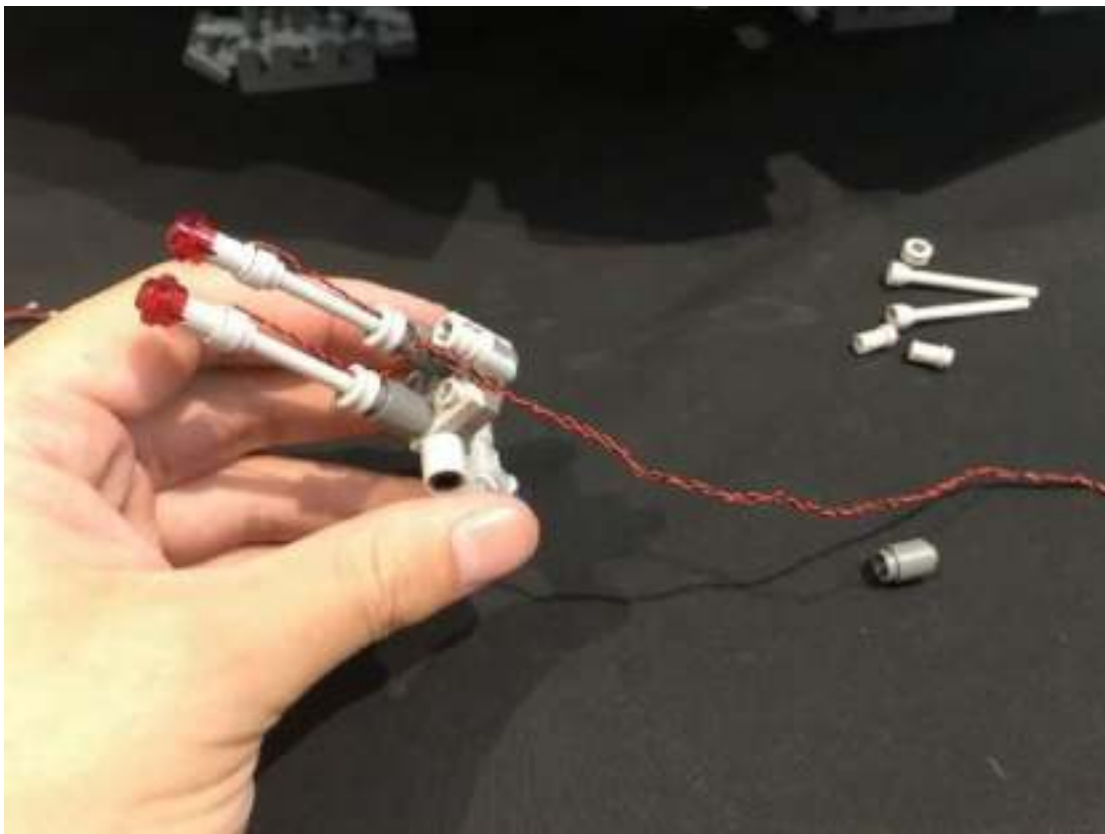
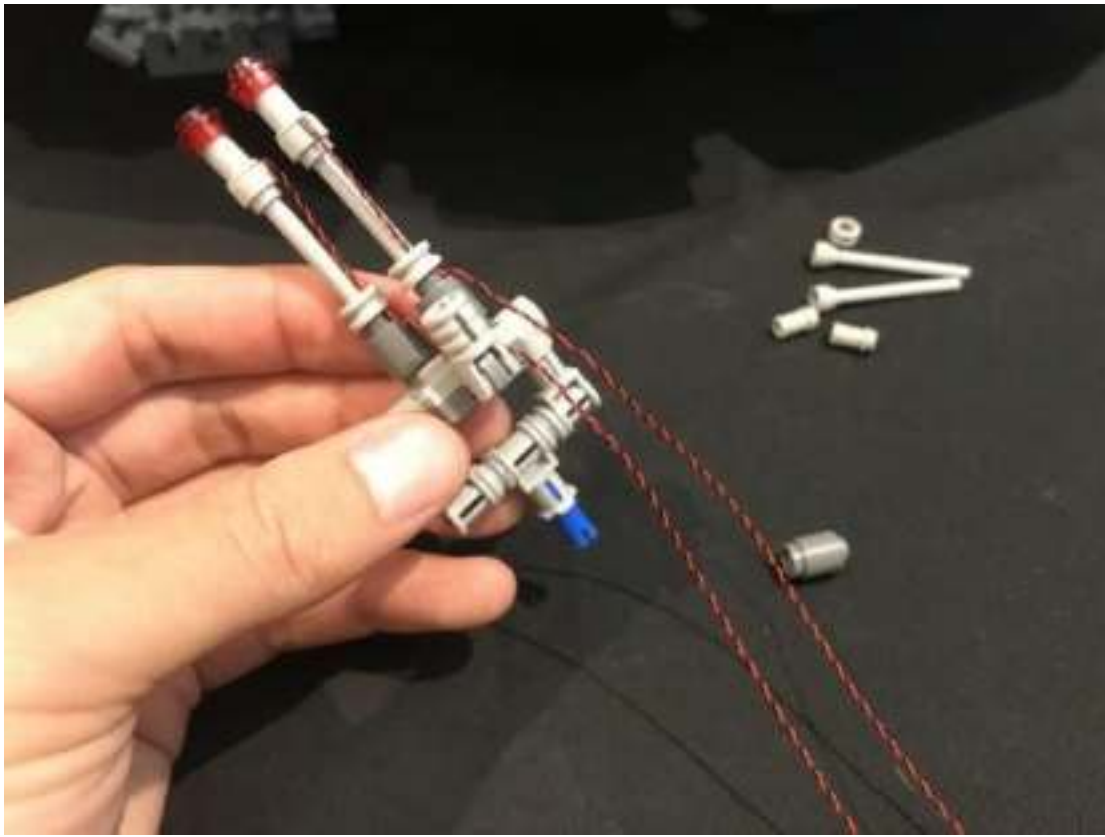
Repeat the previous 2 steps to install another Red 30cm Dot Light to another cannon.



Reconnect the 2 cannons with lights to the cannon base. Connect one on the top left and the other on the bottom right ensuring the cables are facing the same way as per below.

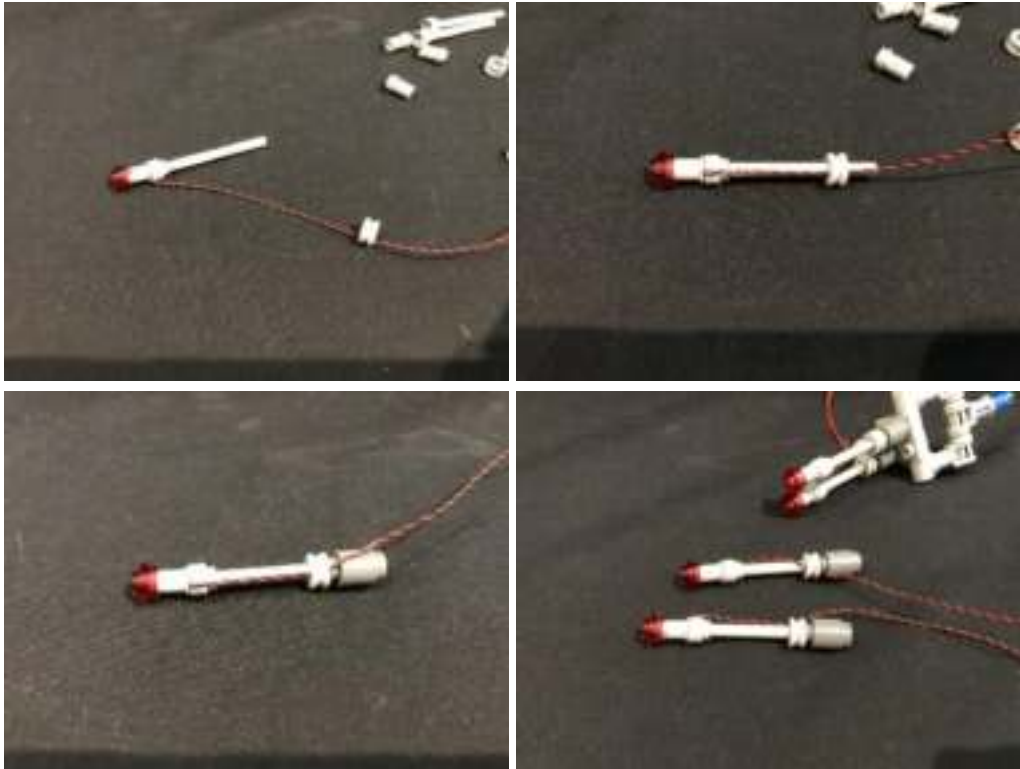


Take the 2 cables and then wind them around each other from top to the bottom so they become one larger cable.



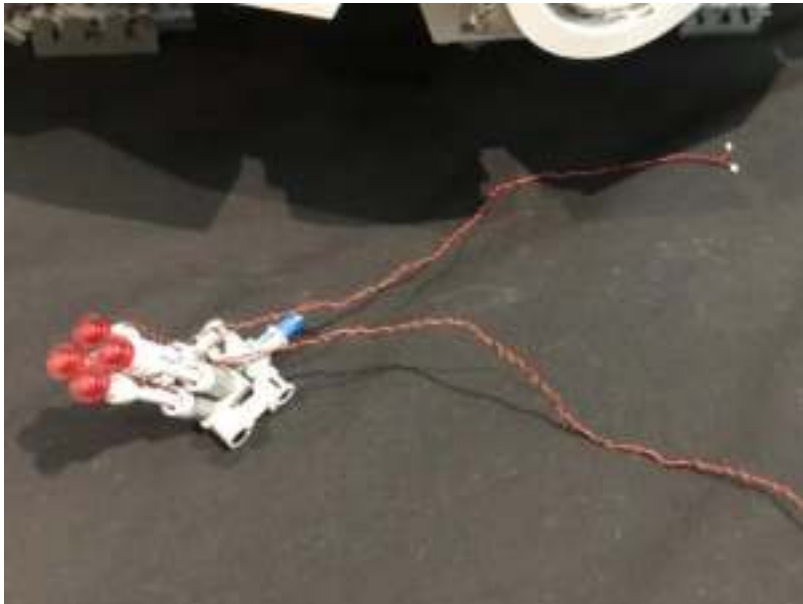
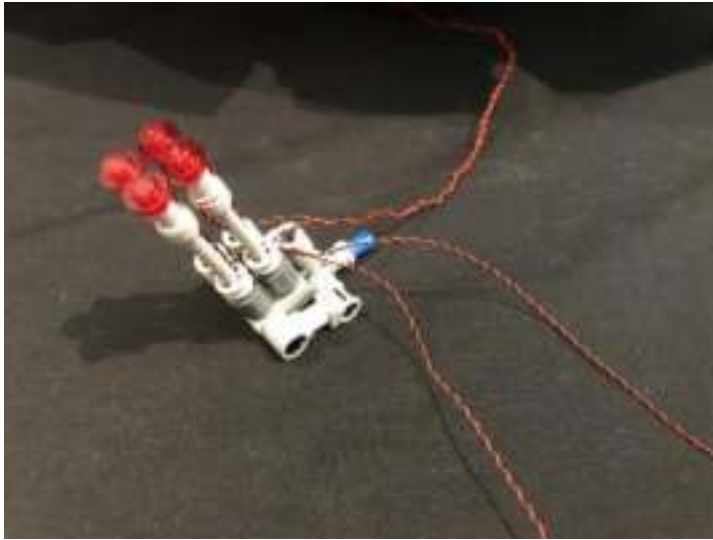
Repeat steps 34 and 35 to install lights to the other 2 remaining top cannons using another 2x Red 30cm Dot Lights and provided Trans Red 1x1 Round Plates.



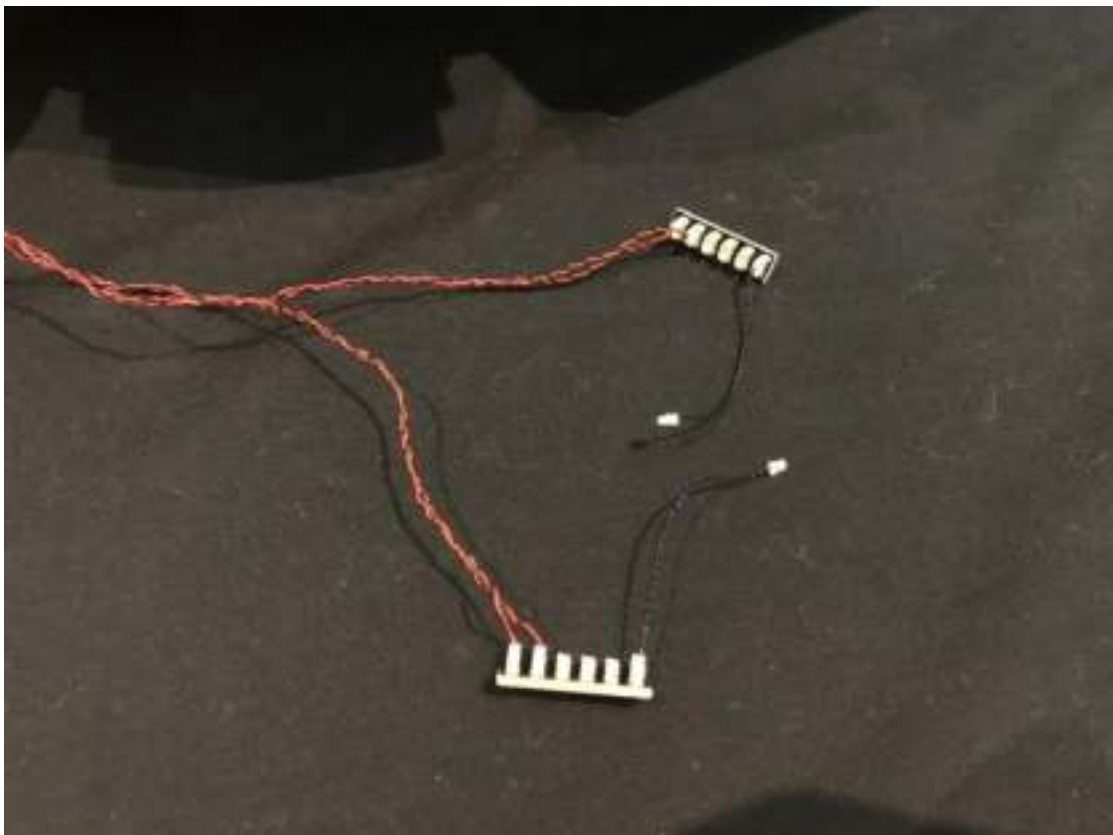
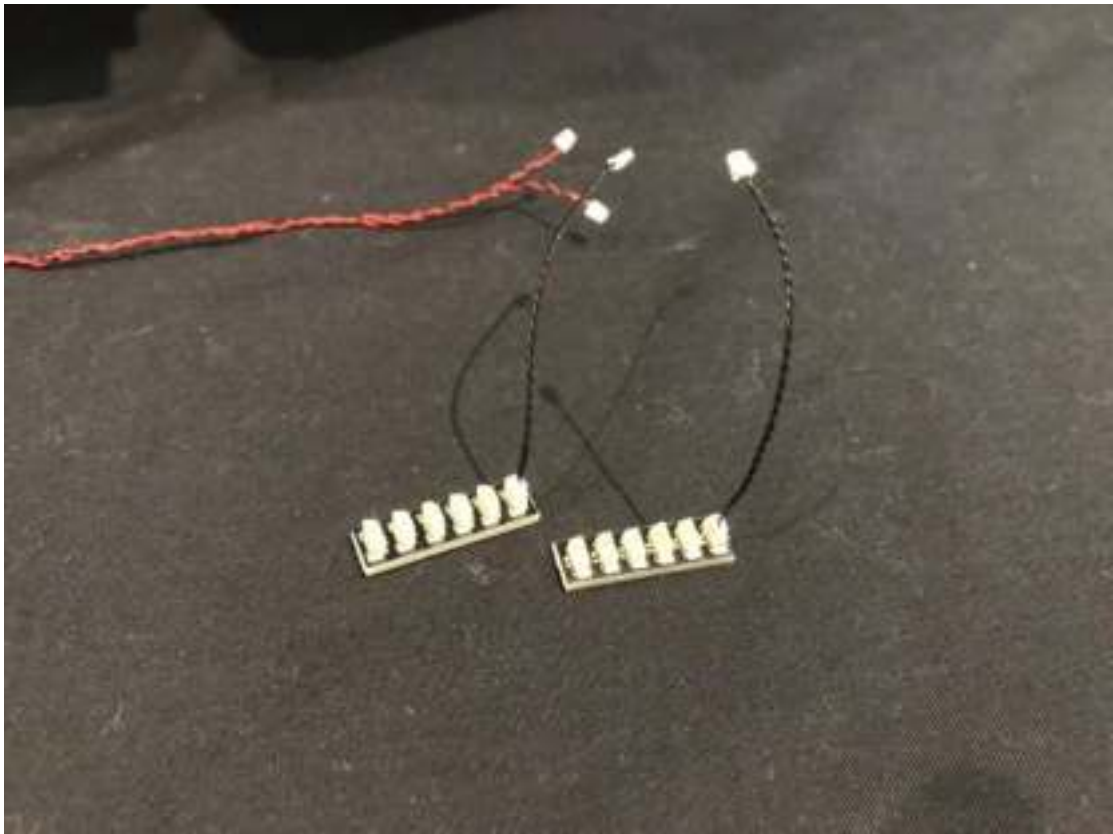


Reconnect the 2 cannons with lights back to the cannon base (this time top right and bottom left) and then wind the 2 cables around each other just like we did for the previous 2 cables.

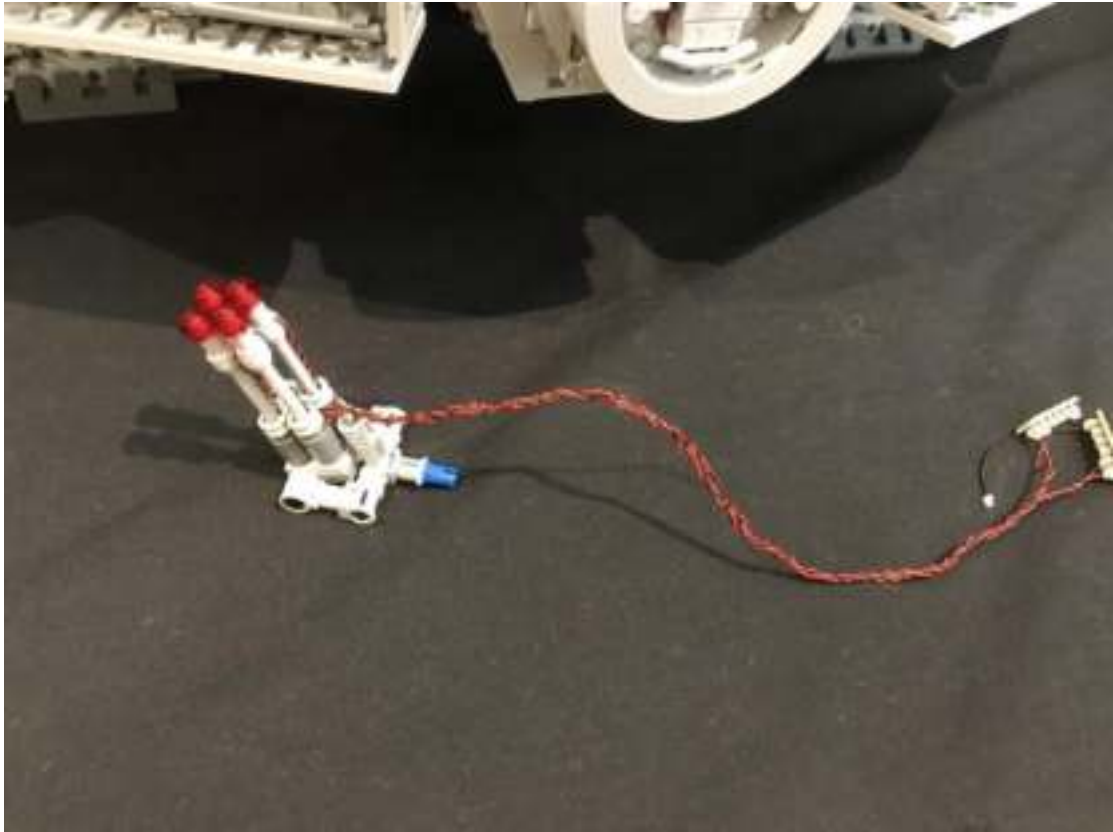




Take 2x 6-Port Expansion Boards and 2x 5cm Connecting Cables. Connect a 5cm cable to each expansion board and then connect 2 dot lights from each cannon to each expansion board as shown below.

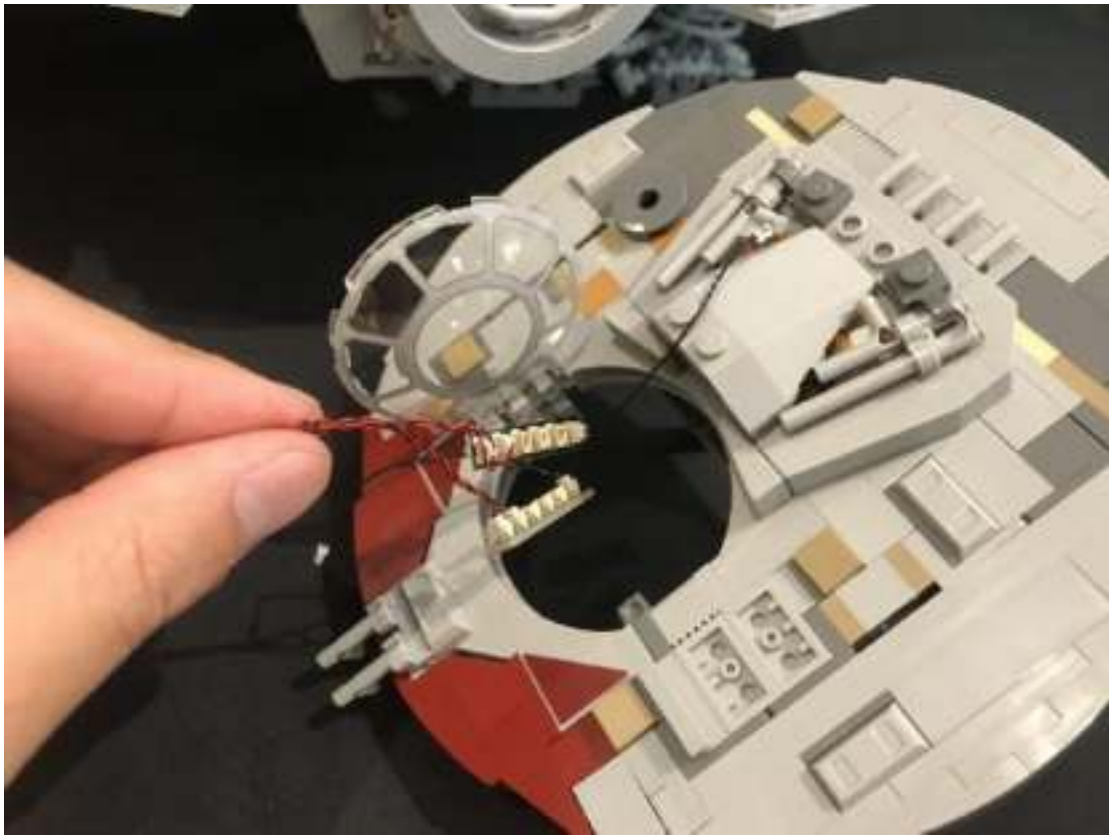


Wind all the cables around each other from top to bottom forming one larger cable.



Take the round roof section, open the window and then thread the expansion boards and rest of the cable through the top. Thread the cable all the way through.





Before reconnecting the cannon section, disconnect one of the side pieces and then neatly place the large cable inside before reconnecting this section.





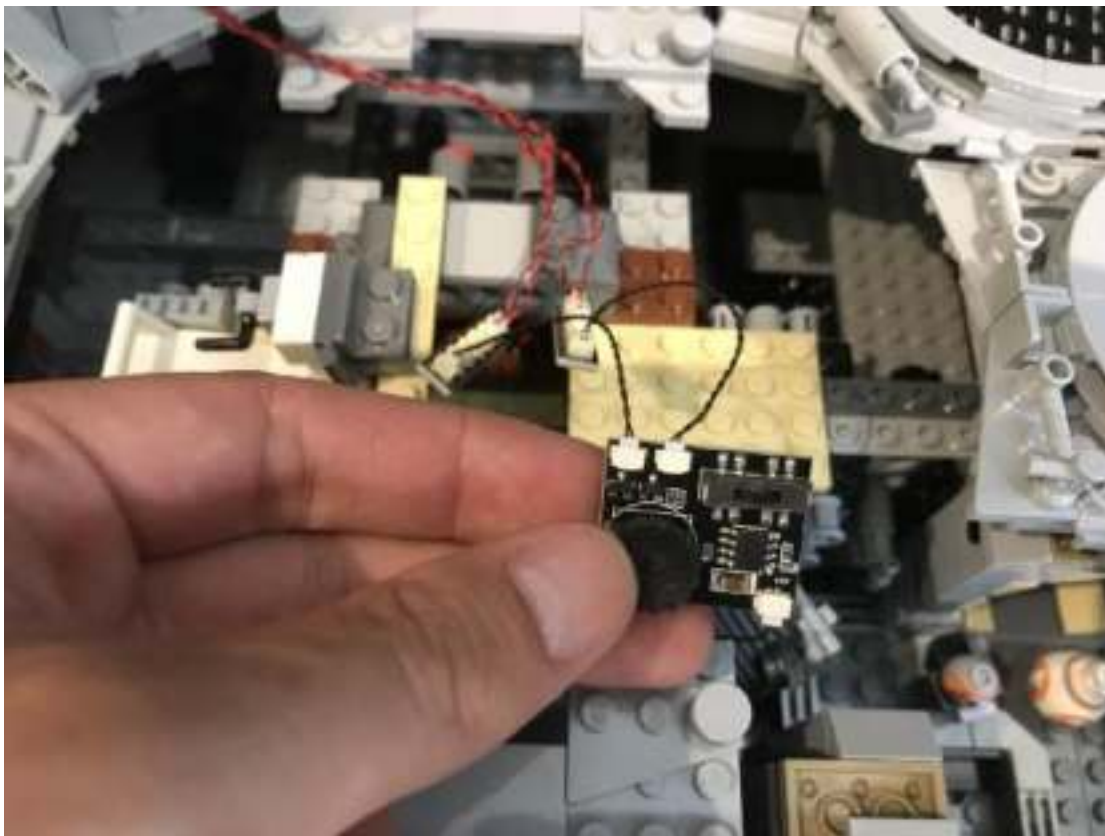
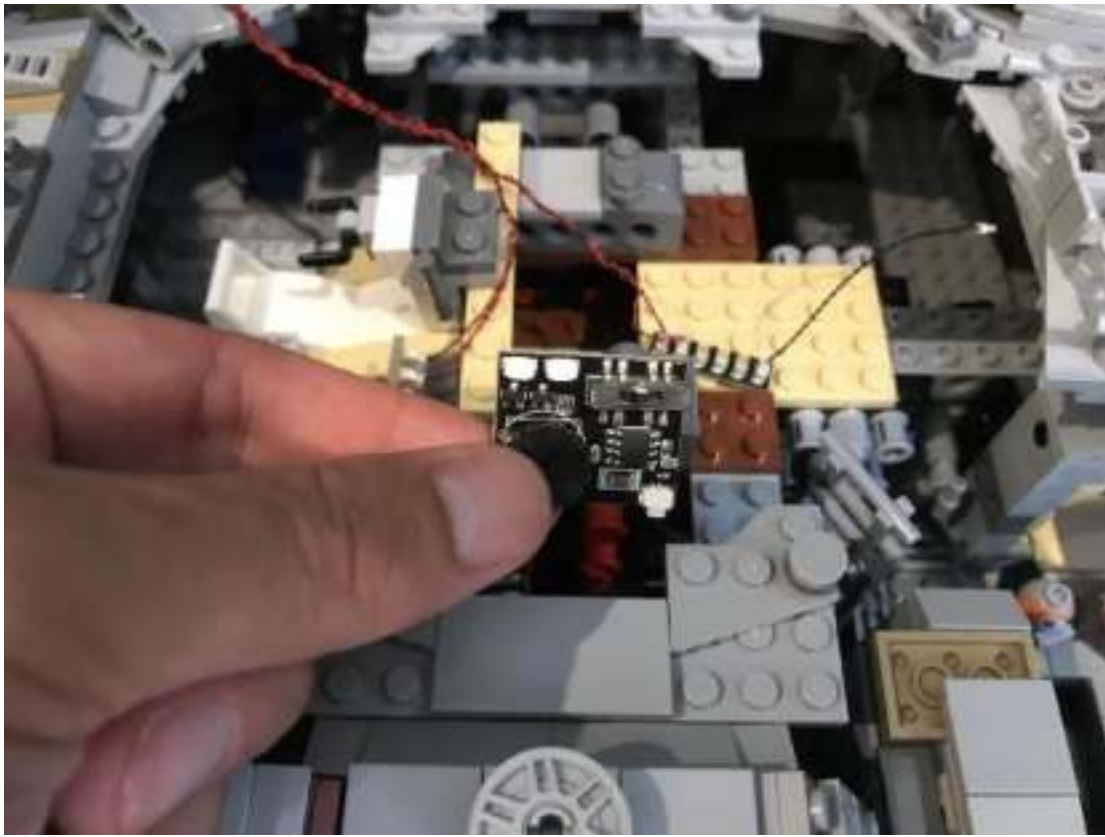
Note: if you decide that it is more visually appealing to leave the trans red pieces off, you can simply remove them so they look more like the original set.



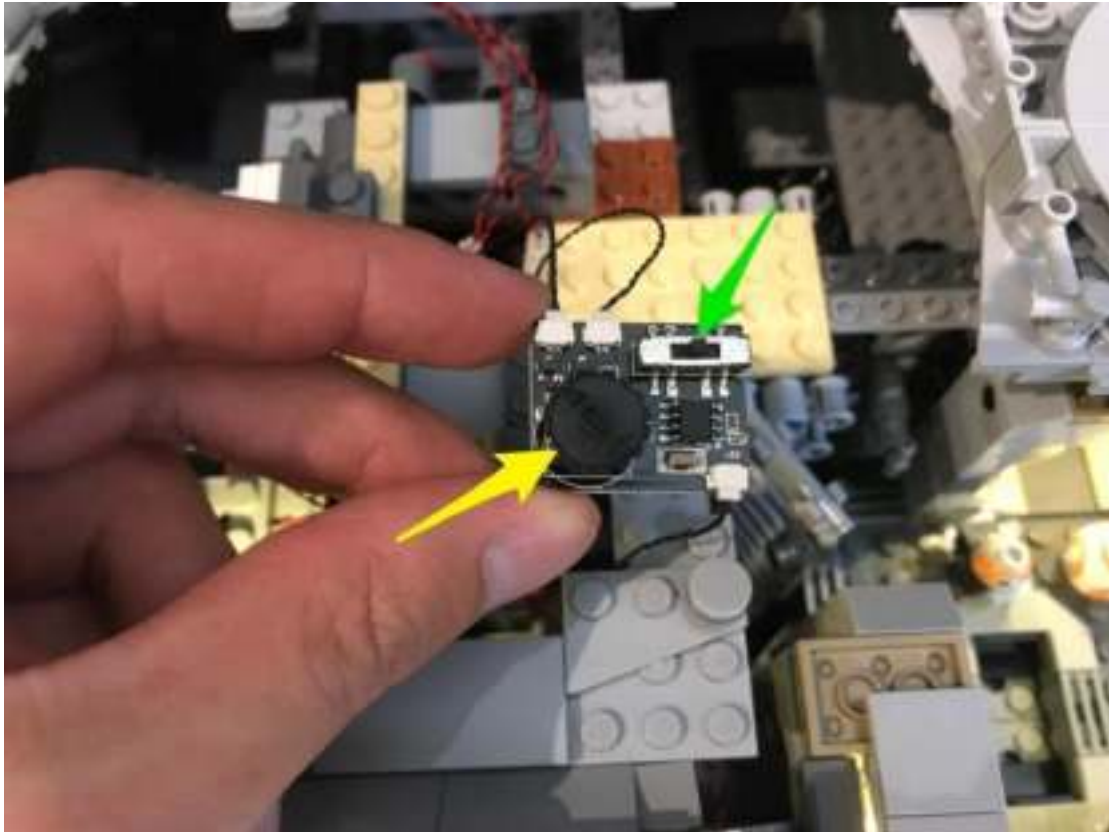
Place the upper cannon section on the roof of the falcon but do not reconnect it just yet.



Connect the ends of each 5cm cable from the each expansion board into each output port of the Multi Effects Board we connected in step 21.



We now need to setup the chosen effect on the Multi Effects Board. First turn on the Battery Pack and then set the switch on the multi effects board to the middle (we will be using the emergency effect to display as the shooting canon effect). Turn the effect dial all the way to the left for the slowest effect. You should now see the upper cannons firing away in sequence.



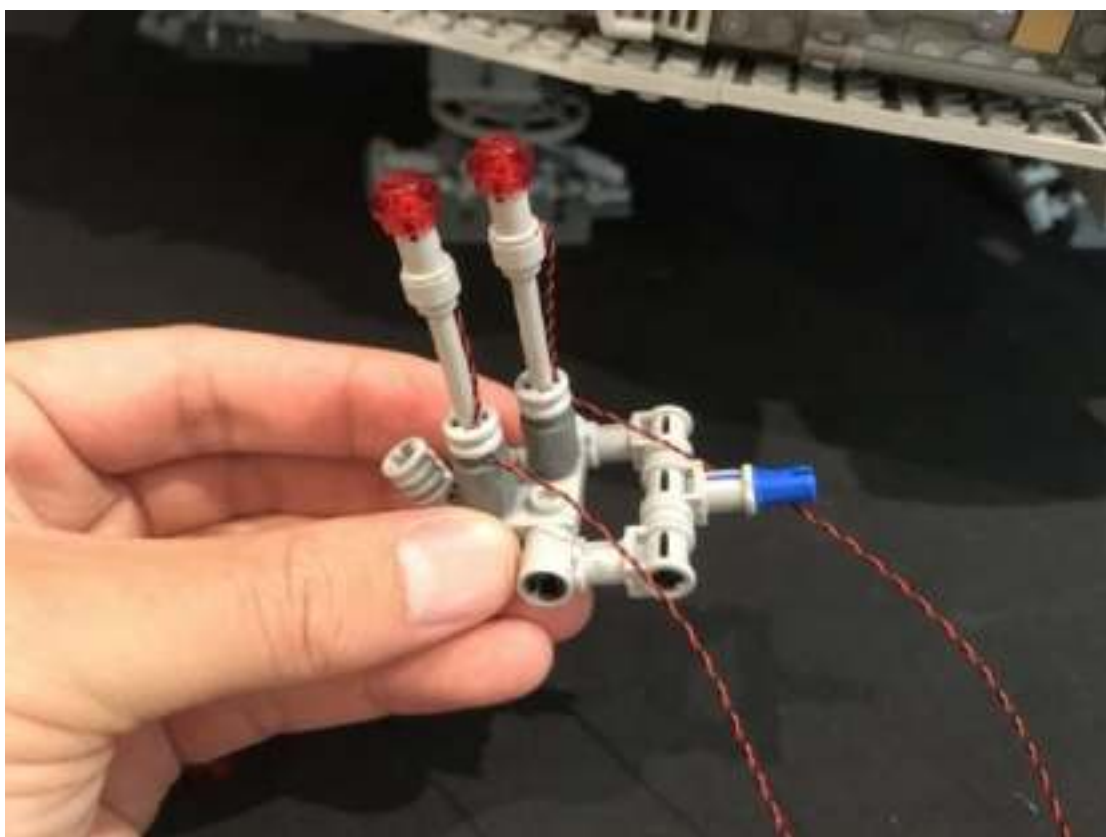
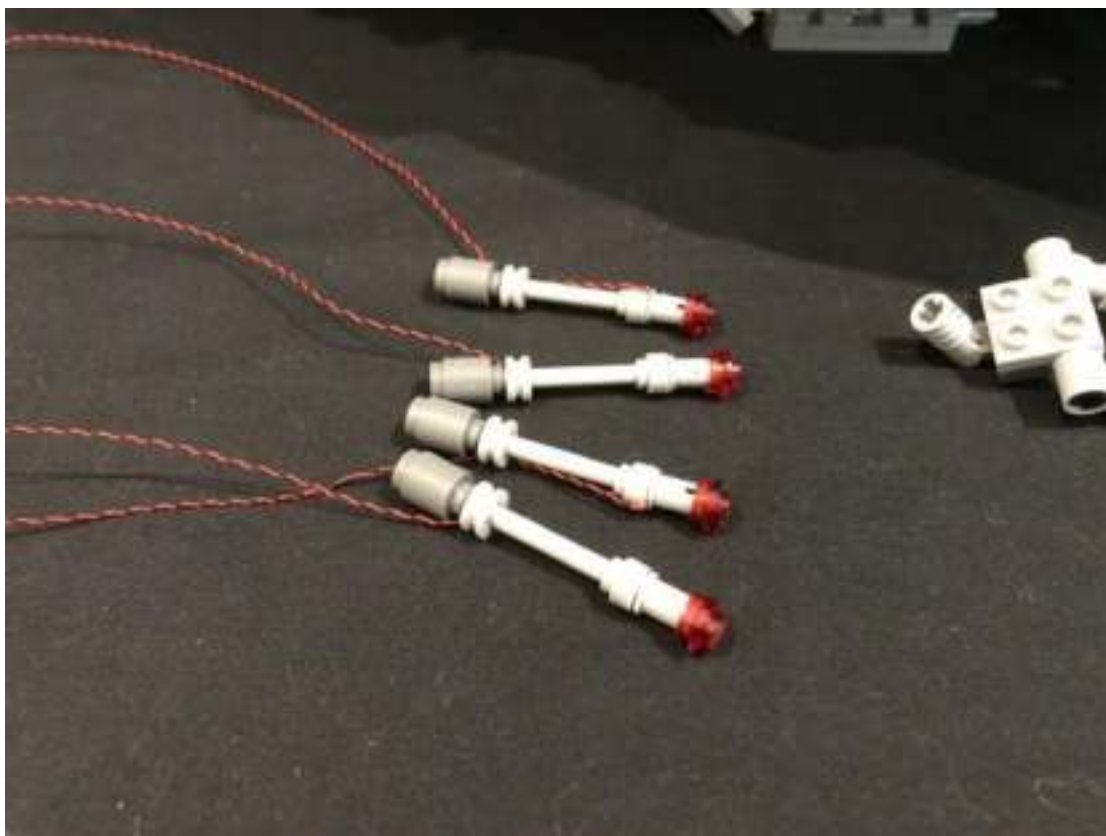
We will now install lights to the cannons below the ship. First disconnect the canon section at the technic blue pin and then disassemble pieces from the 4 cannon sections as per below.

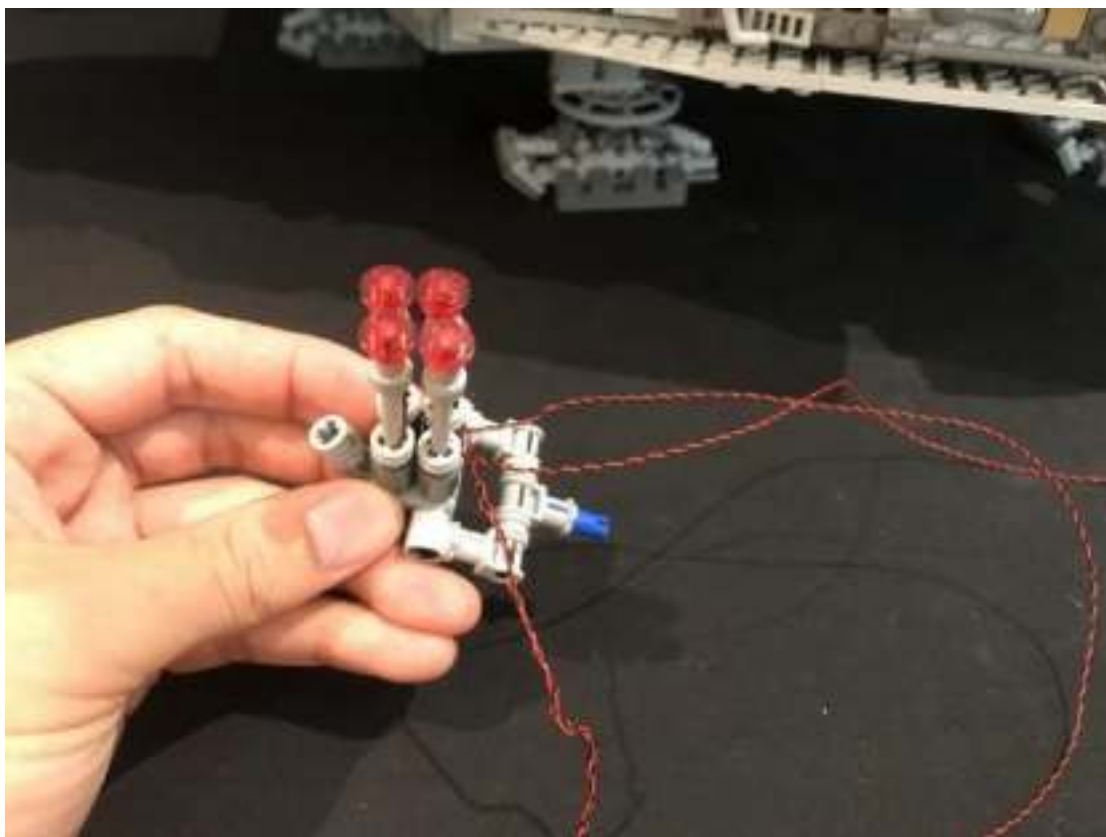
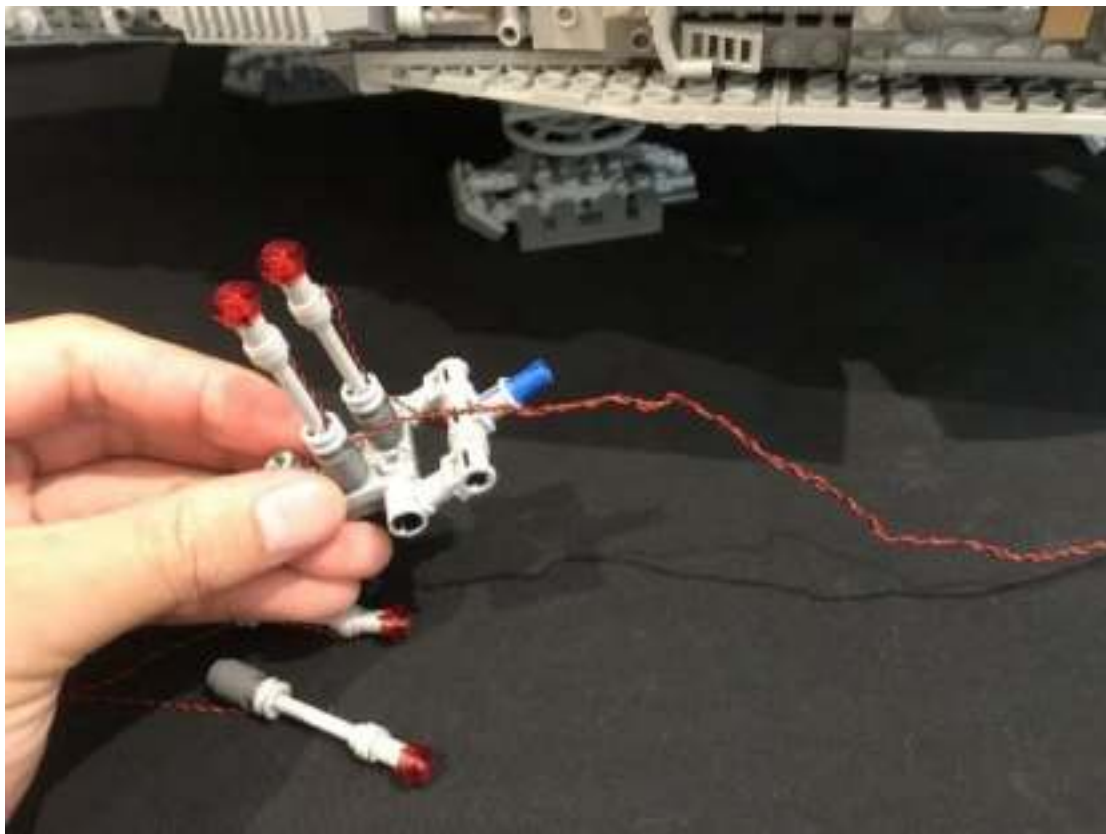


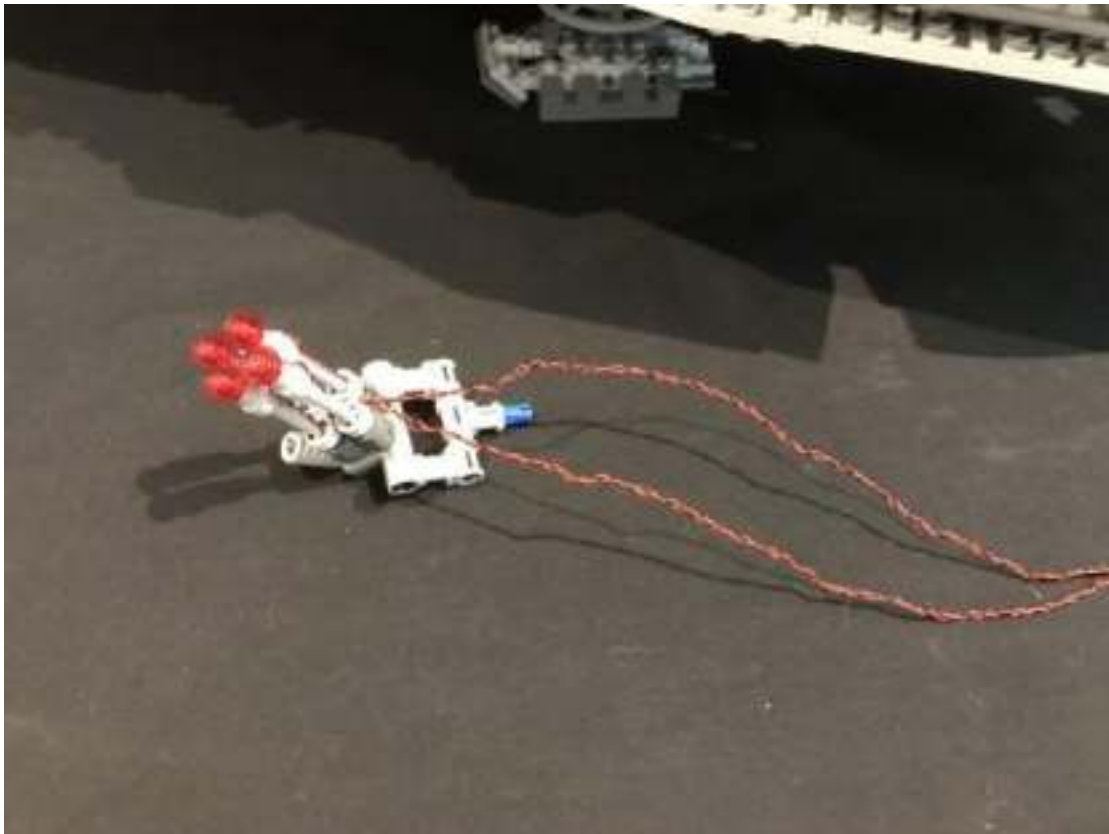




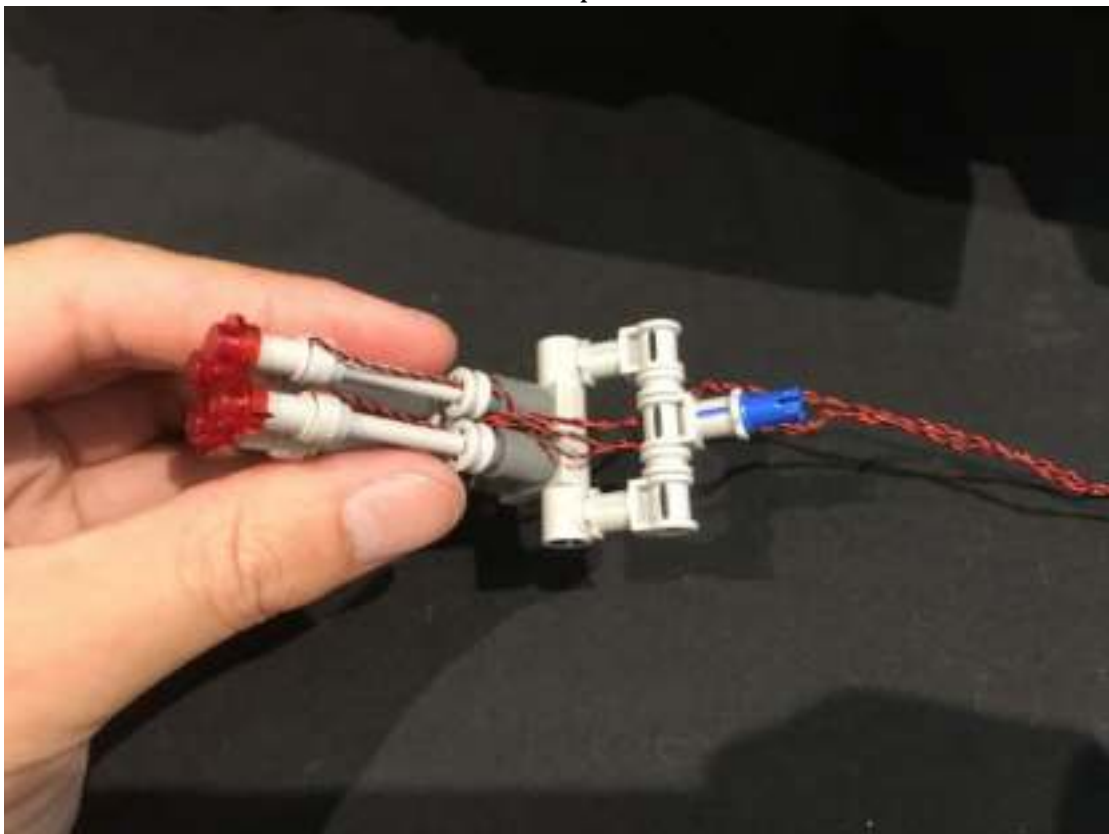
Repeat steps 32–37 to install another 4x Red 30cm Dot Lights to the 4 lower canons using the provided Trans Red 1x1 Round Plates.





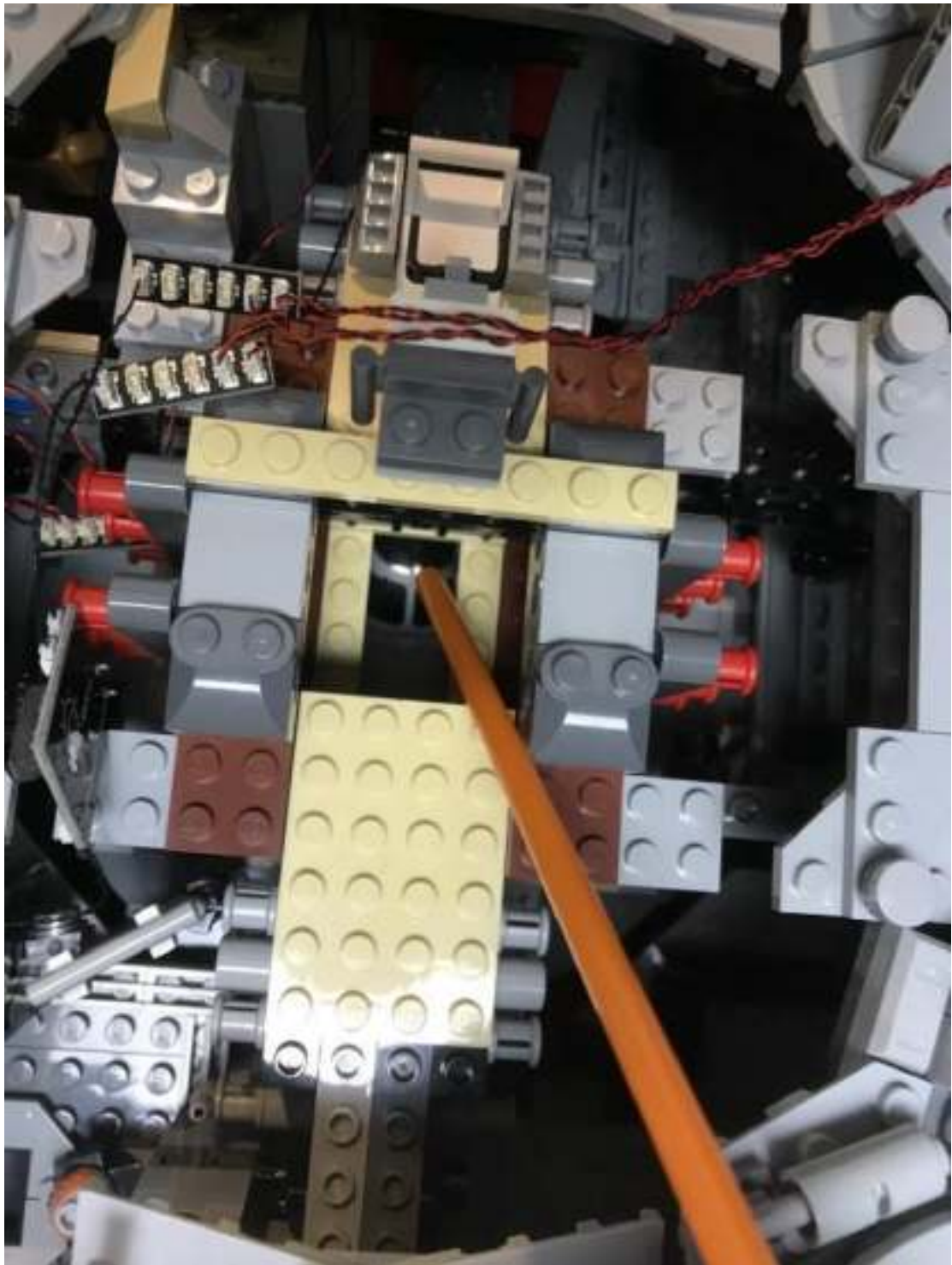


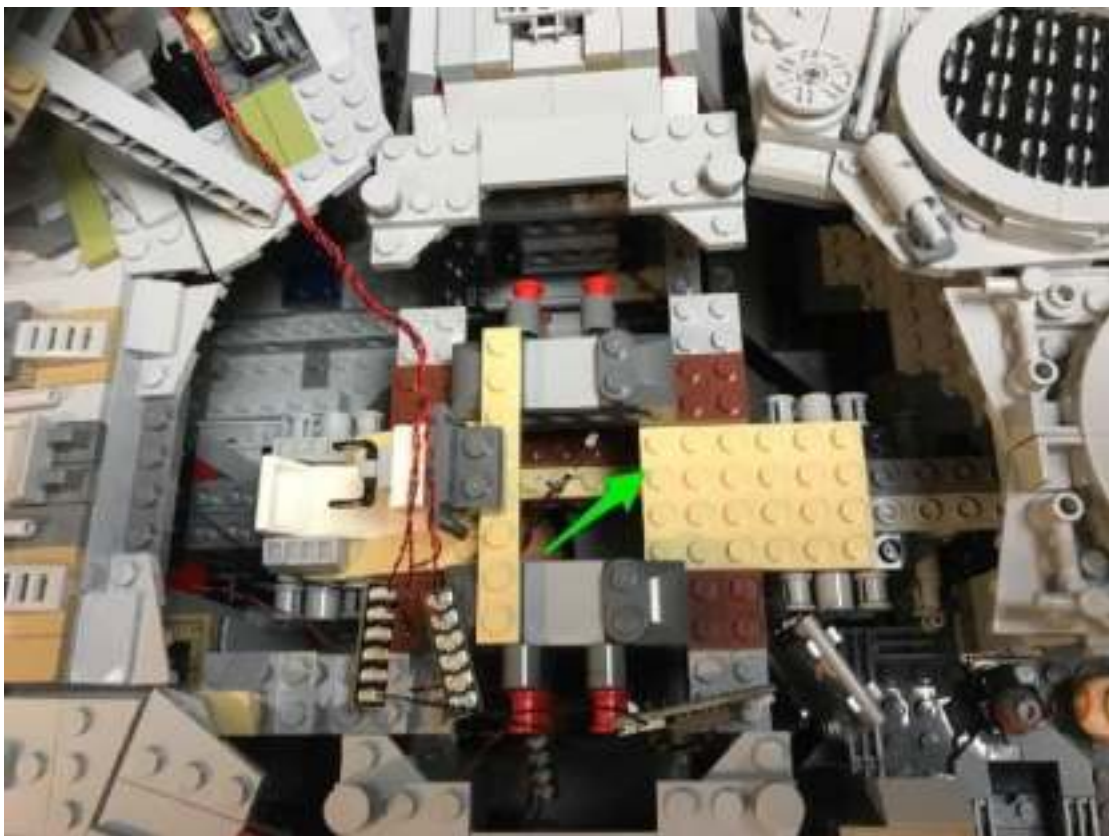
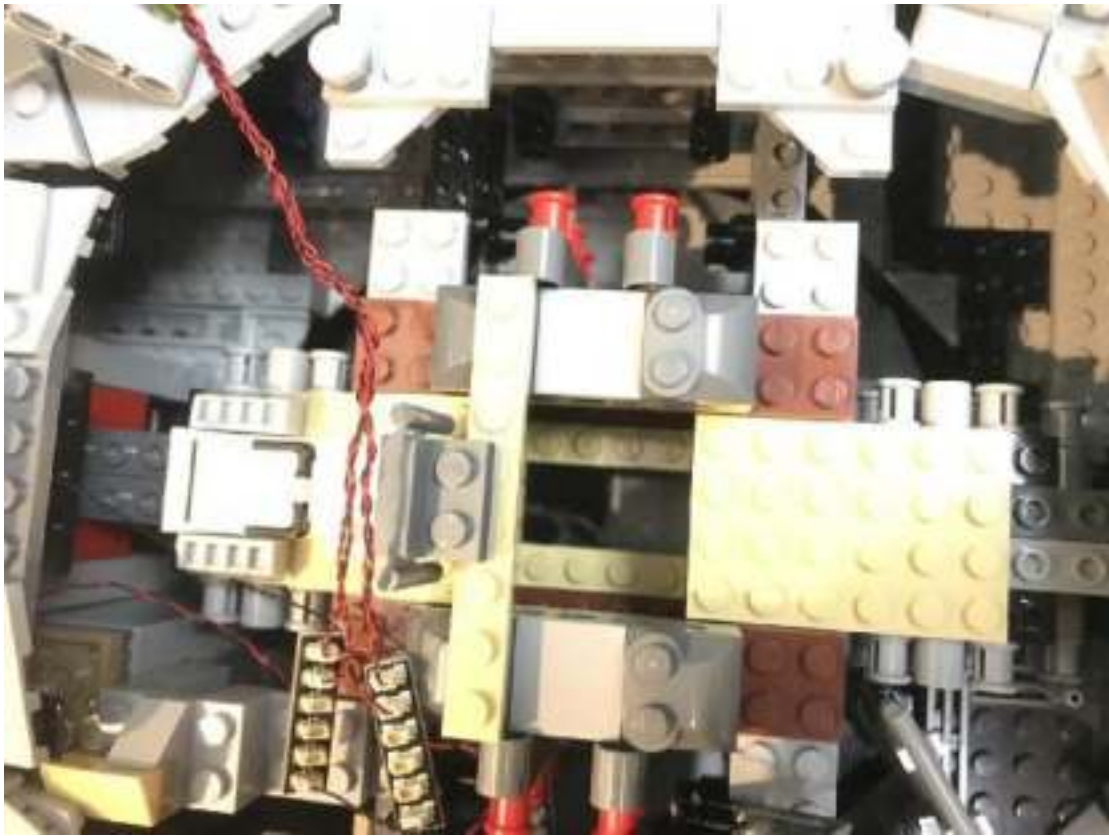
Wind all the cables around each other from top to bottom forming one larger cable and then thread the cable into the space in the middle of the canon base.



From the top of the Millennium Falcon use a long stick/straw/pen to push down to open the round glass piece then feed up from underneath the large cable of Dot Light cables.

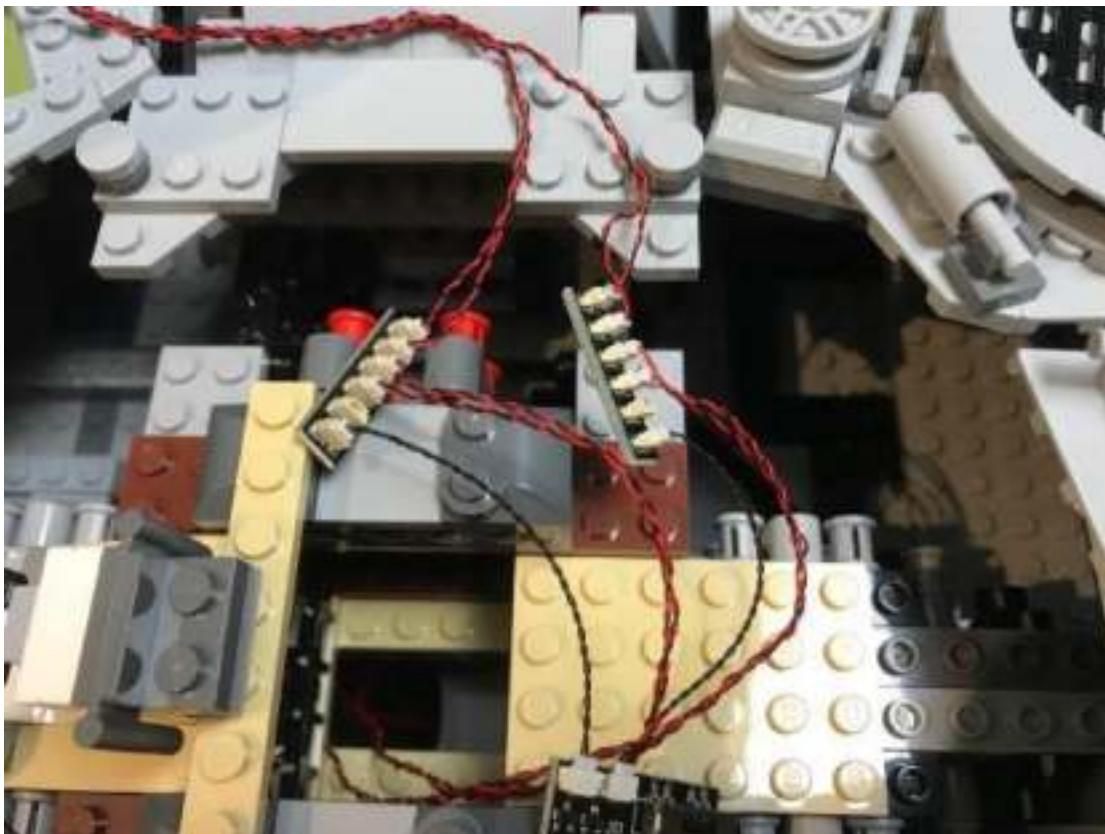
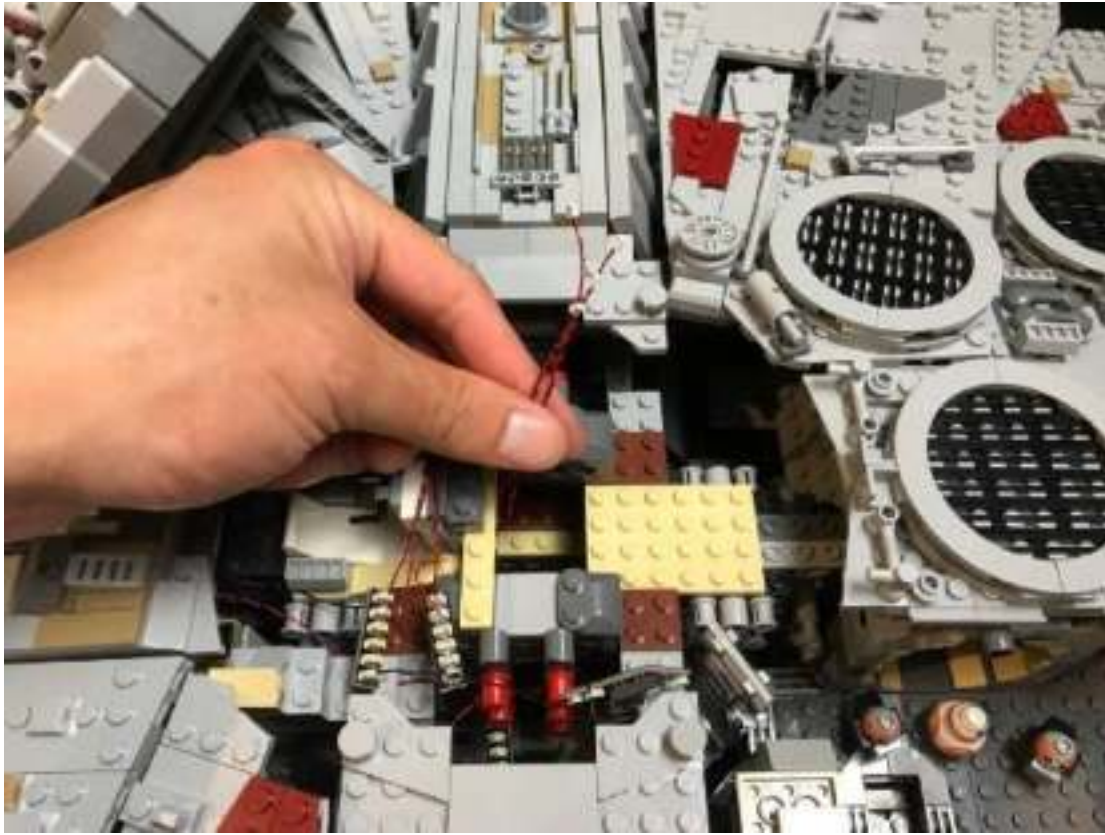




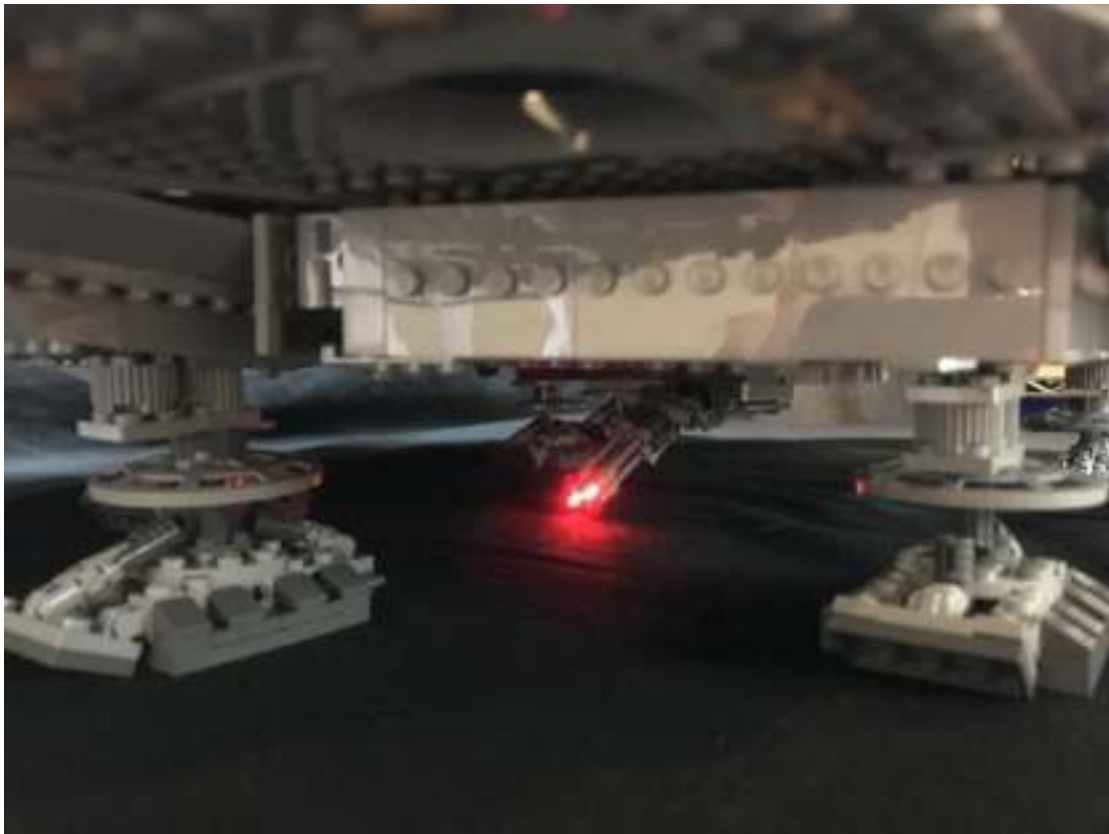


Pull the cables up from the below opened window and then connect 2 of the cables to each 6-port expansion board. We need to ensure that 2 cables from the top left and bottom right cannons are connected to one expansion board and the

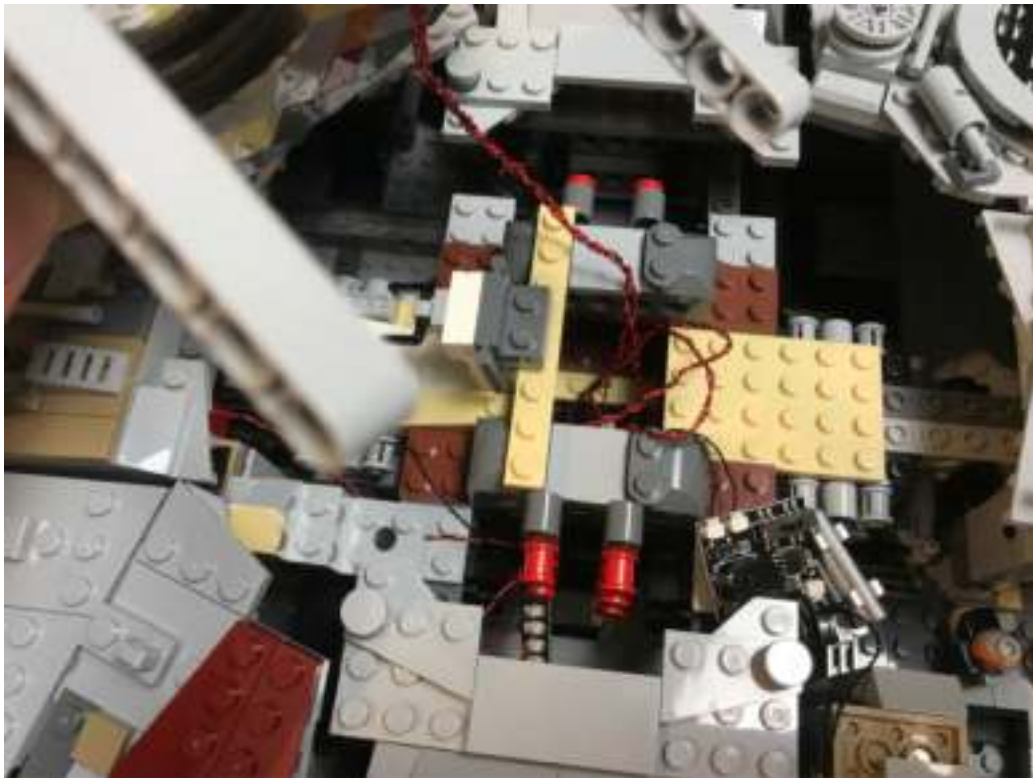
other cables from the top right and bottom left cannons are connected to the other expansion board. Turn the battery pack on to verify/adjust accordingly.



Reconnect the bottom cannons at the technic blue pin and pull up (from above) any excess cable before closing (pushing up) the glass piece.



Before reconnecting the main round roof section above, neatly tuck the expansion boards, effects board, and any excess cabling into the middle section.





This finally completes installation of your UCS Millennium Falcon Lighting Kit. Now turn ON your light kit and ENJOY!