

75192 Millennium Falcon P33

- **P33 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 “75192 P33”.**
- **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 11 bags in this set. The name and quantities of specific components are as shown , please check carefully.

Label	Content	Quantity
LED Strip Lights-Warm White	LED Strip Lights-Warm White	6
Expansion Board	6 Socket Expansion Board	5
	12 Socket Expansion Board	1
AA Battery Box	AA Battery Box	1
Connecting Cables-5CM	Connecting Cables-5CM	8
Connecting Cables-30CM	Connecting Cables-30CM	4
Bit Lights-30CM-Blue	Bit Lights-30CM-Blue	2
Bit Lights-30CM-Red	Bit Lights-30CM-Red	8
Bit Lights-30CM-Warm White	Bit Lights-30CM-Warm White	10
Flashing Bit Lights-30CM-White	Flashing Bit Lights-30CM-White	2
Multi-Effects Board	Multi-Effects Board	1
Parts package		

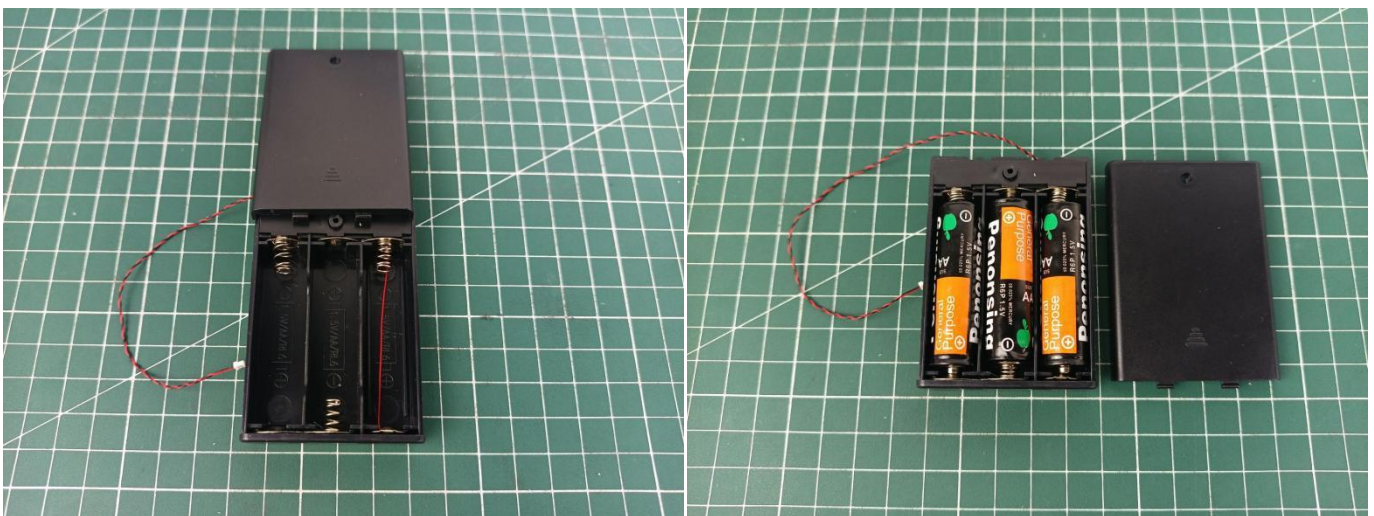
Please contact us immediately if there have any missing components.

Section B: Test that each components is working properly.

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

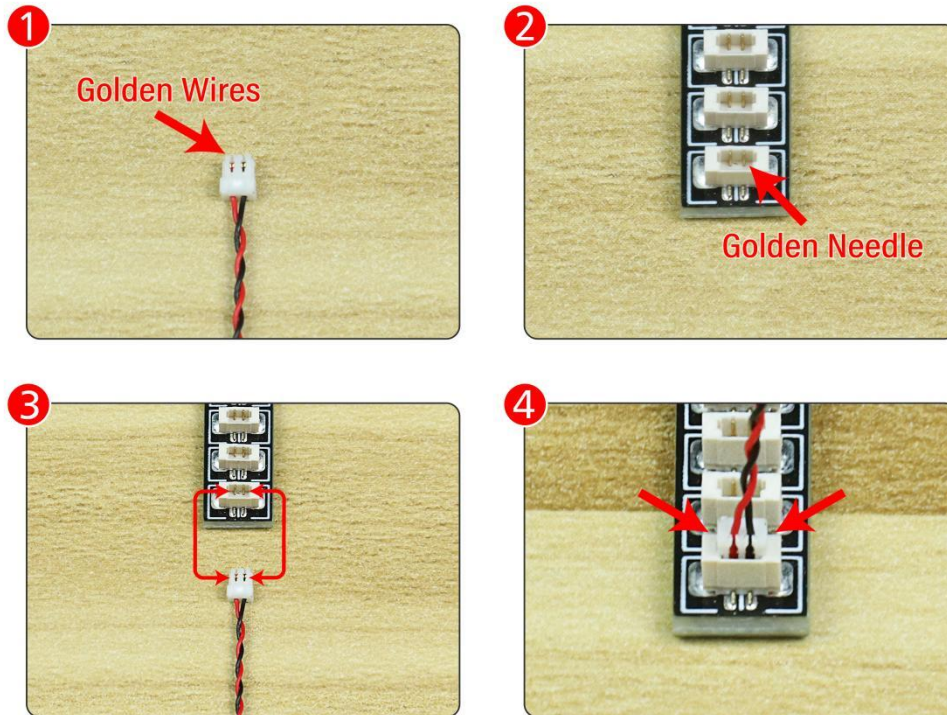


The AA Battery Box does not contain batteries, please buy three AA batteries in the nearest store and install it in the AA Battery Box.



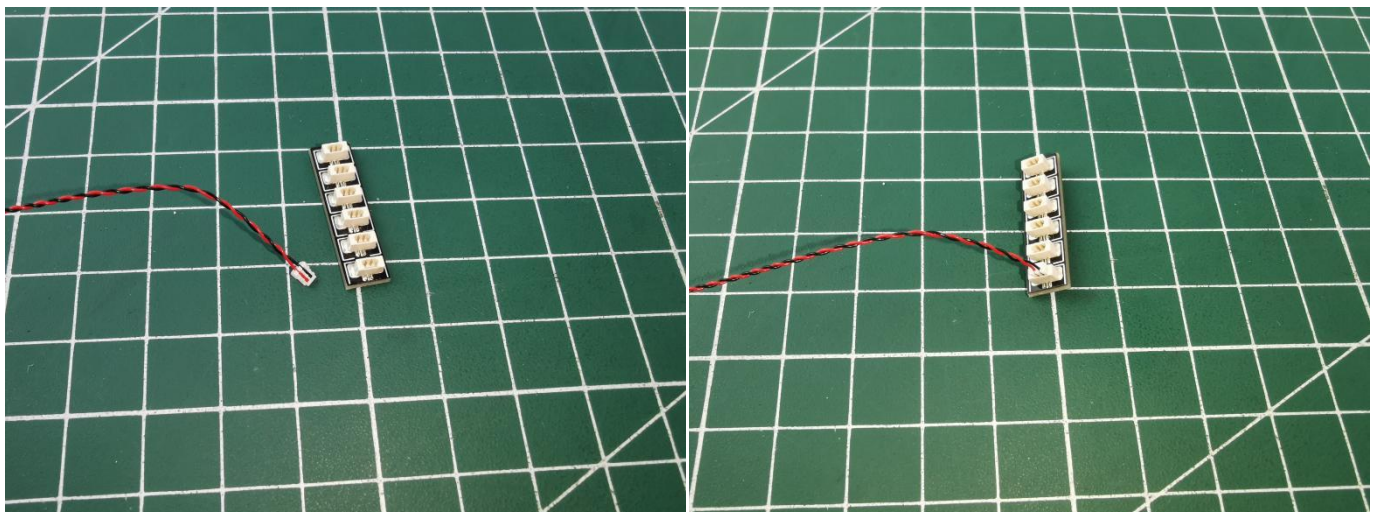
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

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.

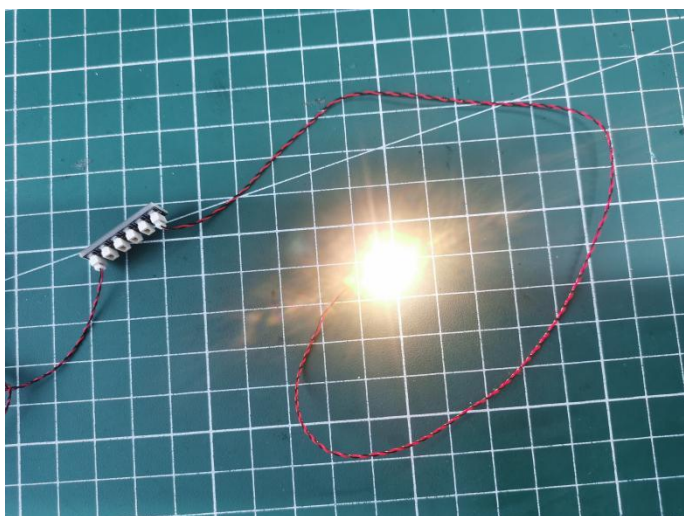


All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the AA Battery Box and Expansion Boards is as follows:



when we test "Bit Lights-30CM-Warm White" particles,Take out the bag labelled "Bit Lights-30CM-Warm White".Take out one of the light and connect it to the socket. Turn on the battery box, 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 6*LED Strip Lights-Warm White,2*Bit Lights-30CM-Blue,8*Bit Lights-30CM-Red,9*Bit Lights-30CM-Warm White,2*Flashing Bit Lights-30CM-White.
Please contact us immediately if any components don't work.

Section C: laying out components following the instruction.

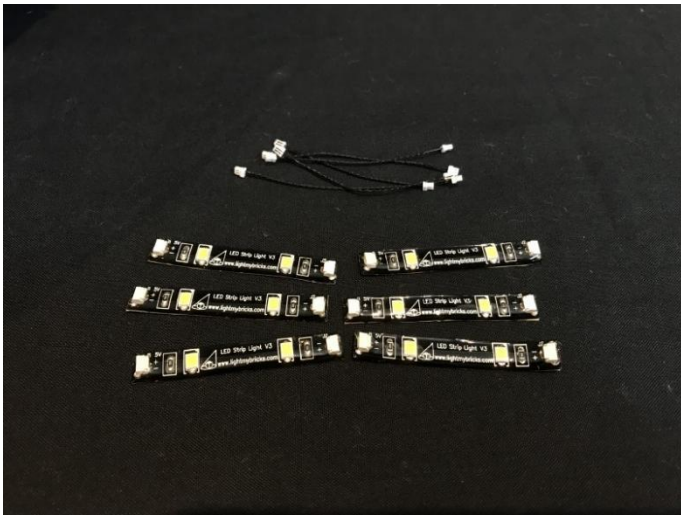
1. Start by removing the top sections of the back half of the Falcon as per below:



2



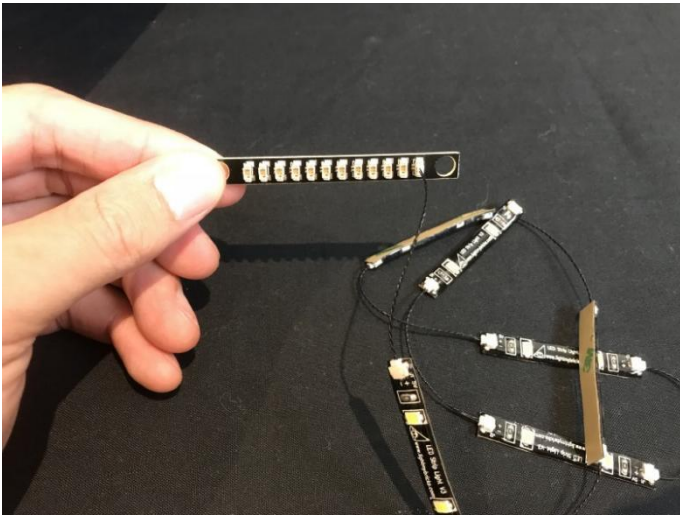
3. Take 6x White Strip Lights and 6x 5cm Connecting Cables and then connect them all together. Leave one end of the connecting cables spare as shown below:



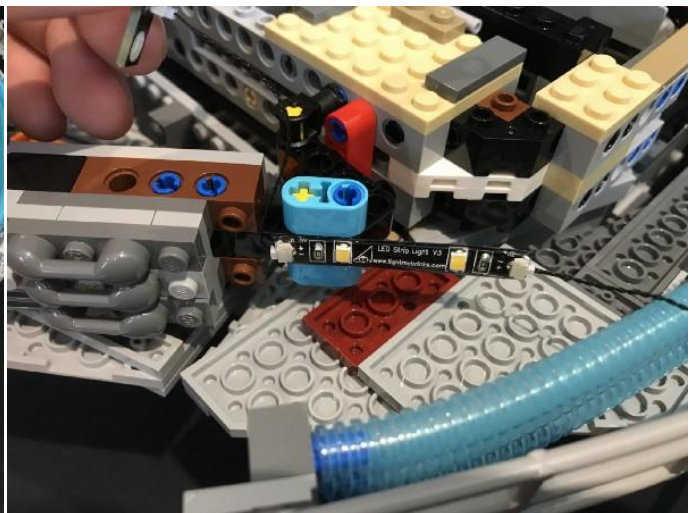
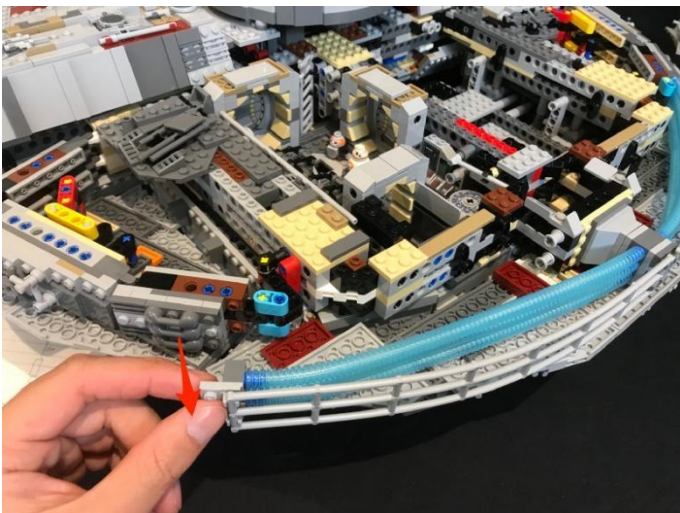
4



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



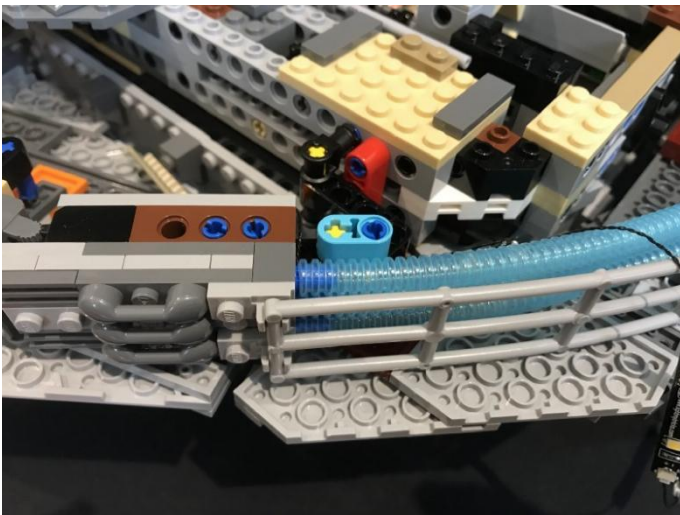
6. Disconnect the outer section of the back jets(left side) and then stick the first strip light (closest to the expansion board) down using its adhesive backing. Pull the cable and expansion board over the left side so that it is sitting inside the falcon then reconnect the outer section of the back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



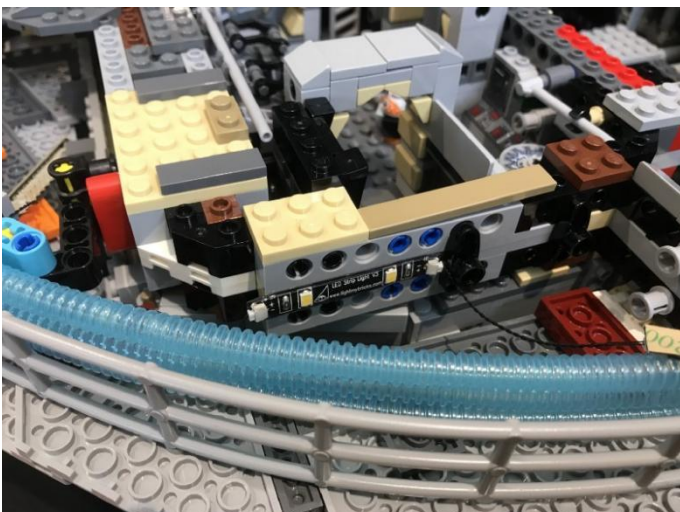
7



8.Reconnect the outer section of the back jets.

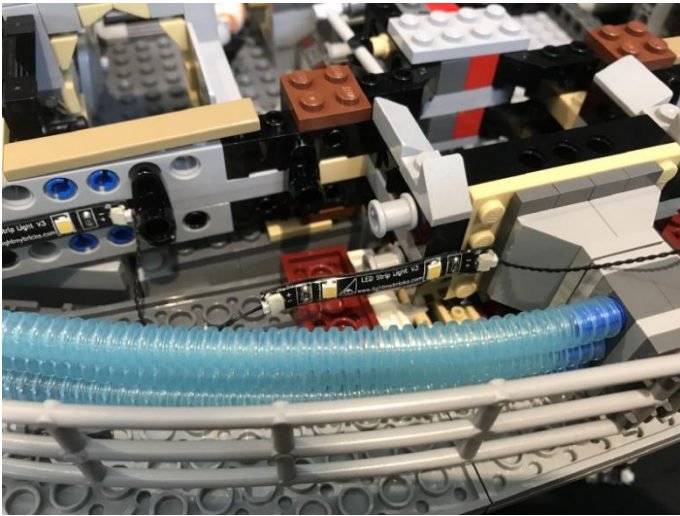


9.Stick the second strip light (using it's adhesive backing) to the section as per below image.

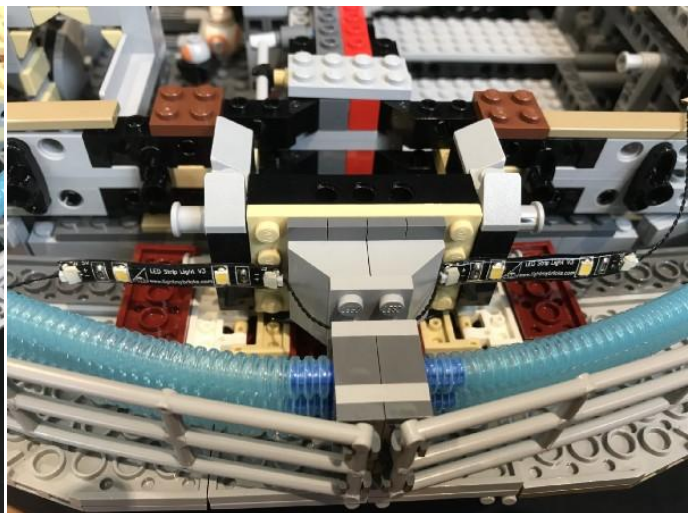
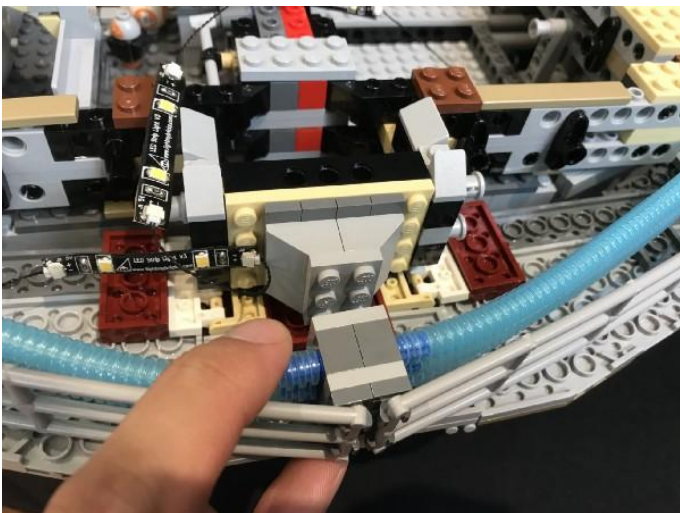


10. Stick the third strip light to the same positions as in the below images.

Note that we will only be sticking down about 5cm of the strip light.

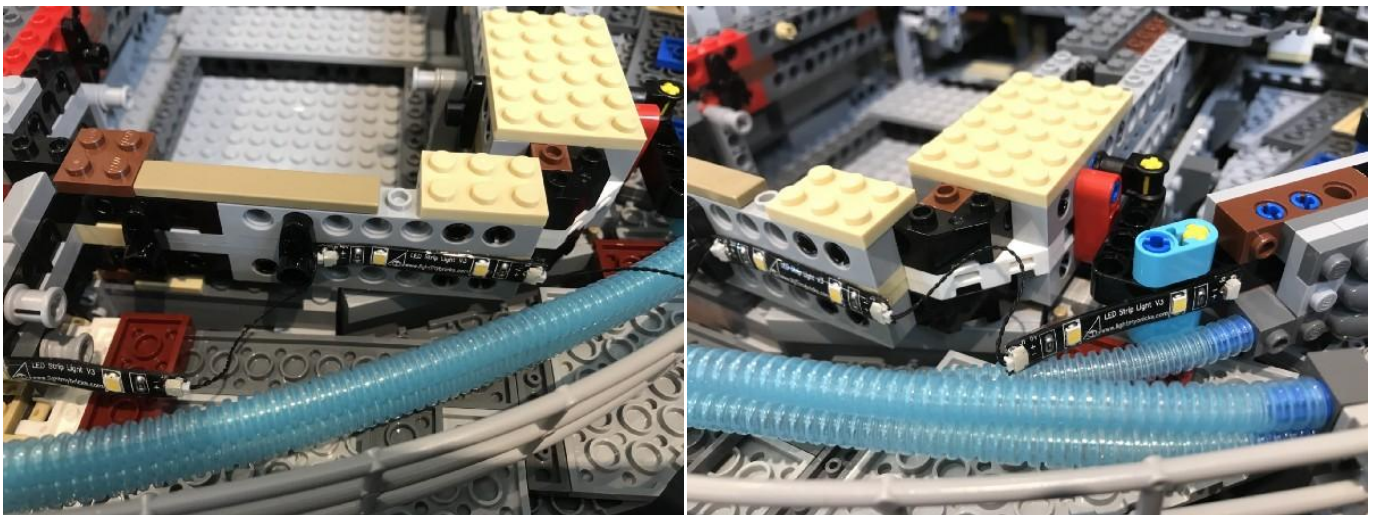


11. Disconnect the middle section of the back jets and then lay the cable that leads to the fourth strip light in between studs. Stick the fourth strip light in the below position (again using only .5cm of the left side of the strip light) and then reconnect the middle section to secure the cable in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

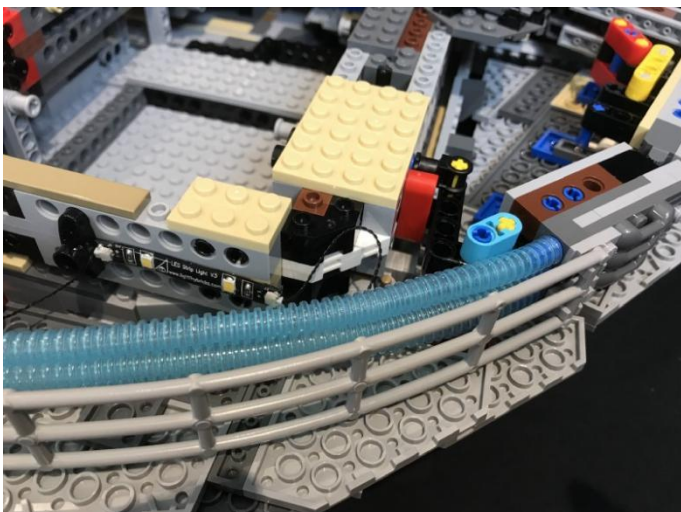




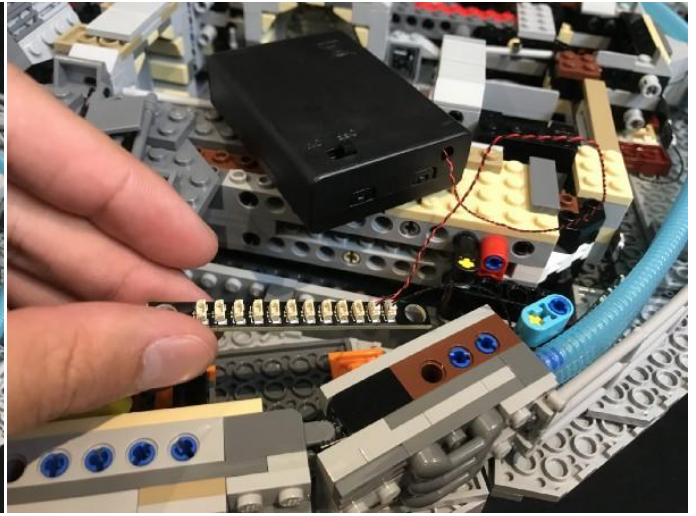
13. Stick the fifth and sixth strip lights down to the following positions ensuring you disconnect the back jet at the right side before sticking down the sixth strip light.



14. Reconnect the back jet at the right side.



15. 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.



16



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



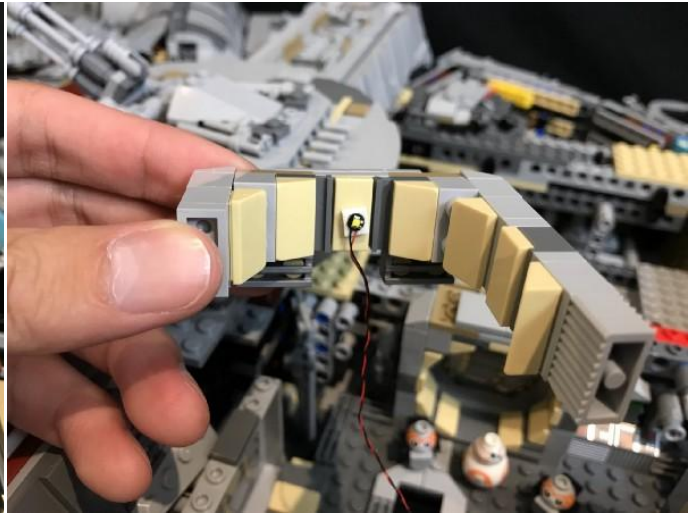
18. We will now light the interior cabin section closest to the back. Start by disconnecting the corridor section to the left.



19



20. 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.

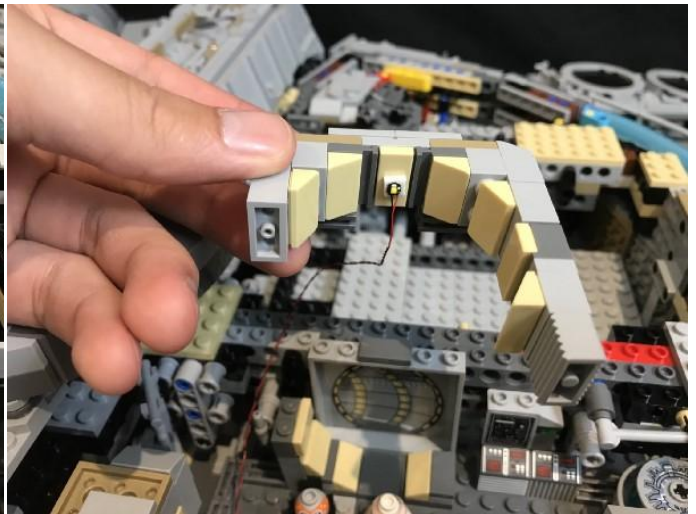


21. Reconnect this corridor section ensuring the cable is facing behind then pull the cable behind and then down the centre of the falcon.

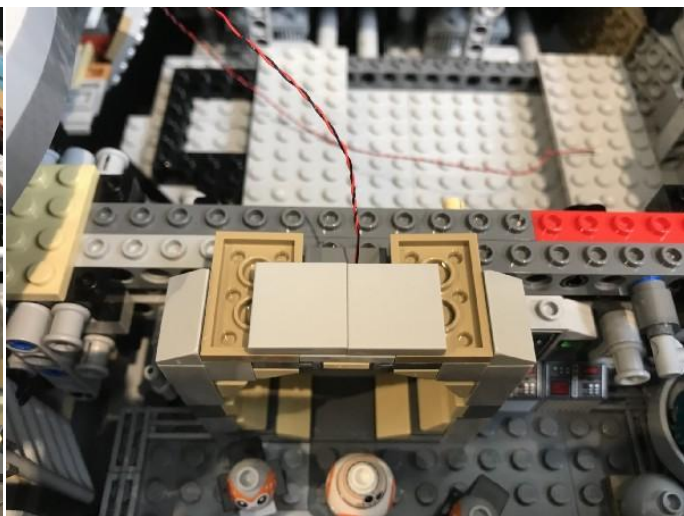




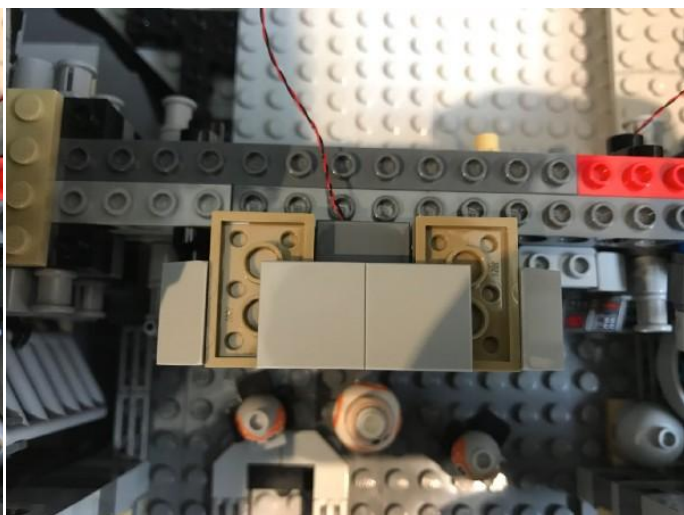
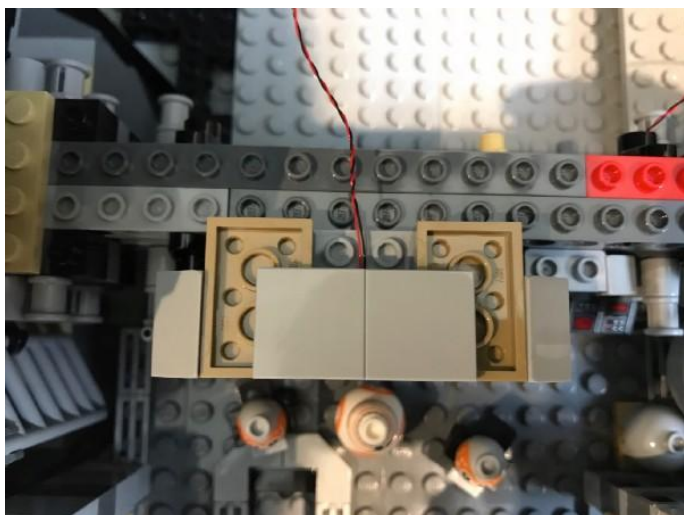
23. Disconnect the corridor section in the middle and then take an Adhesive Square and stick it underneath this section. Take a White 30cm Dot Light and stick it down to the adhesive square with the cable facing down as per below.



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



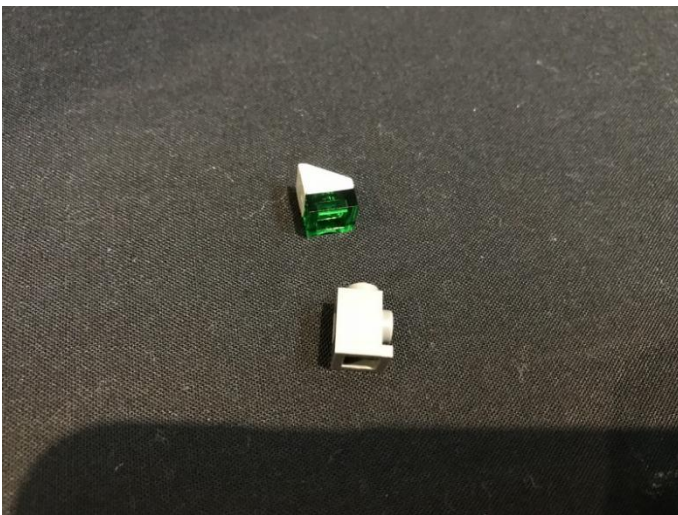
25



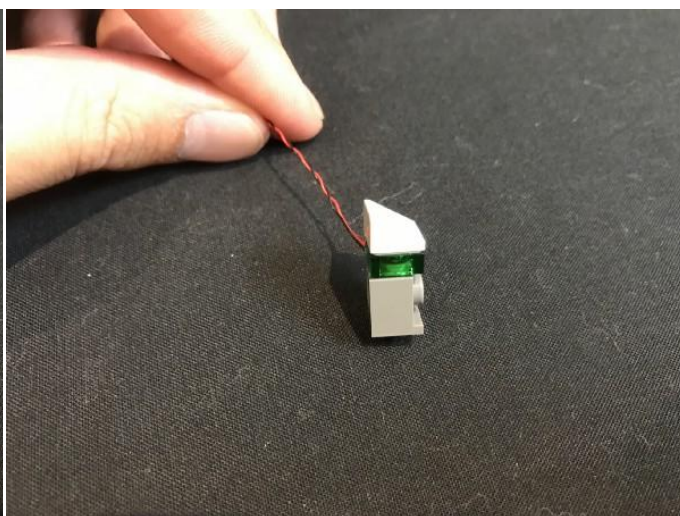
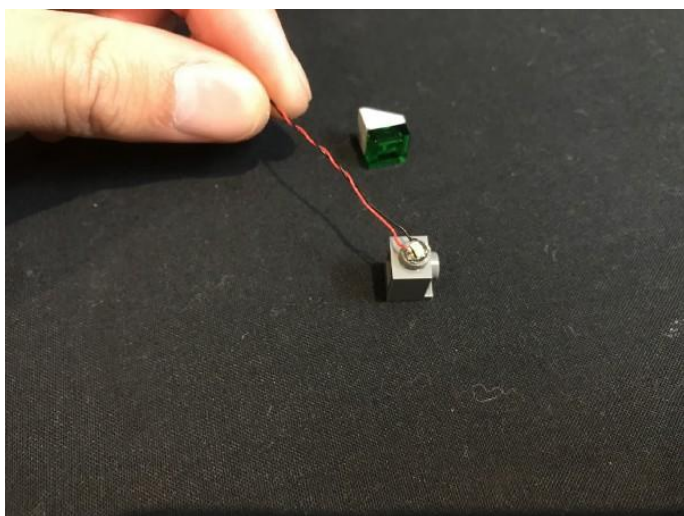
26. Remove the control panel section toward the right of the middle corridor and then disassemble this section as per below.



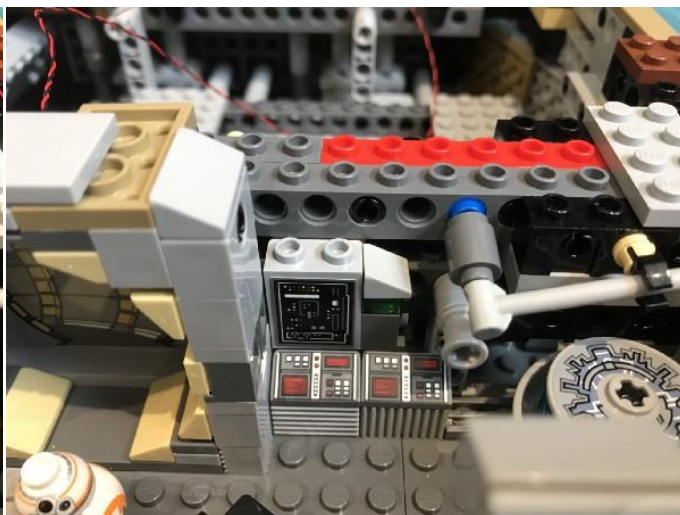
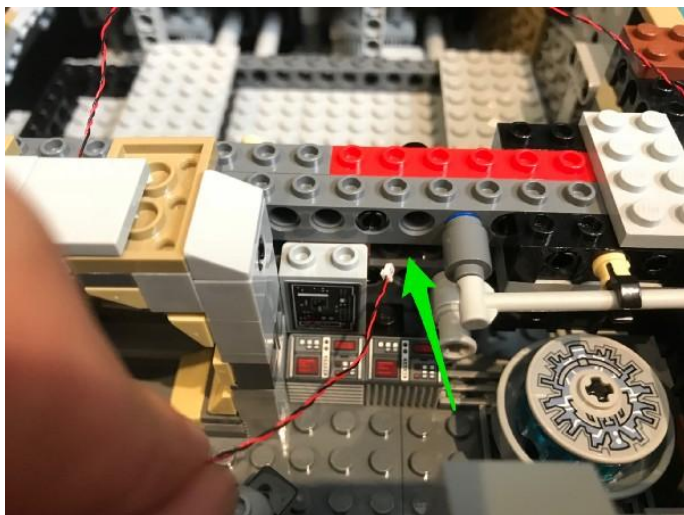
27



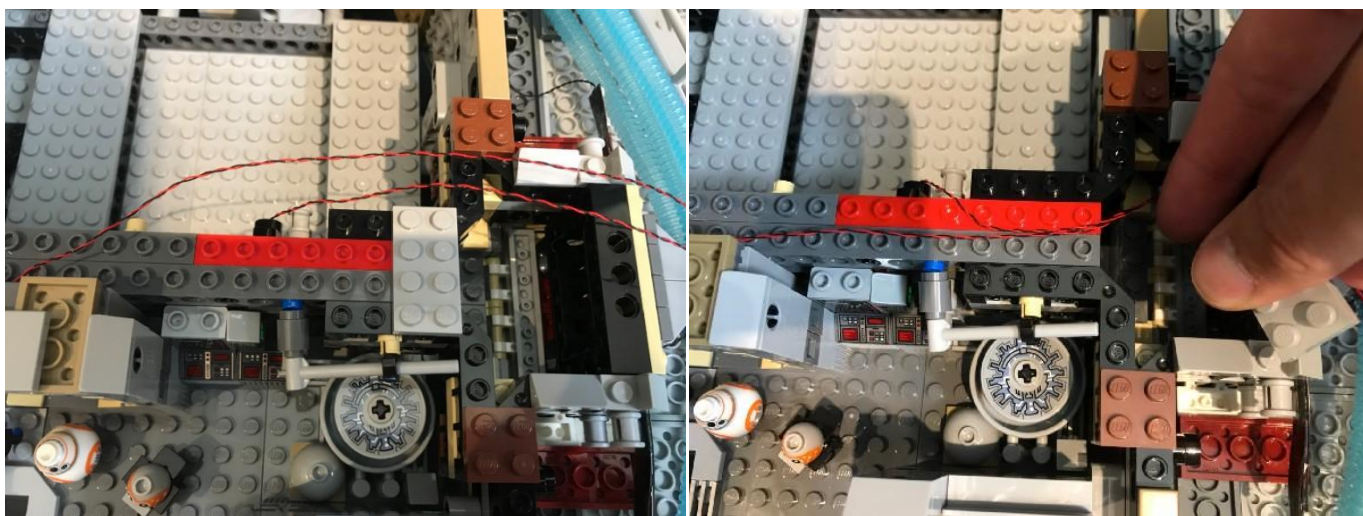
28. Take a Flashing White 30cm Dot Light and place it directly over the stud on top of the brick. Reconnect the top section and ensure the cable is facing the back of the brick as per below.



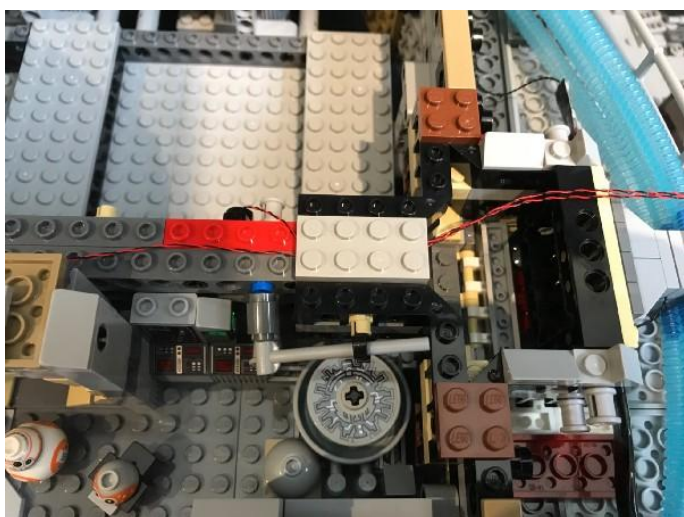
29. Thread the connector side of the flashing dot light behind in the space between the technic bricks before reconnecting this control panel section.



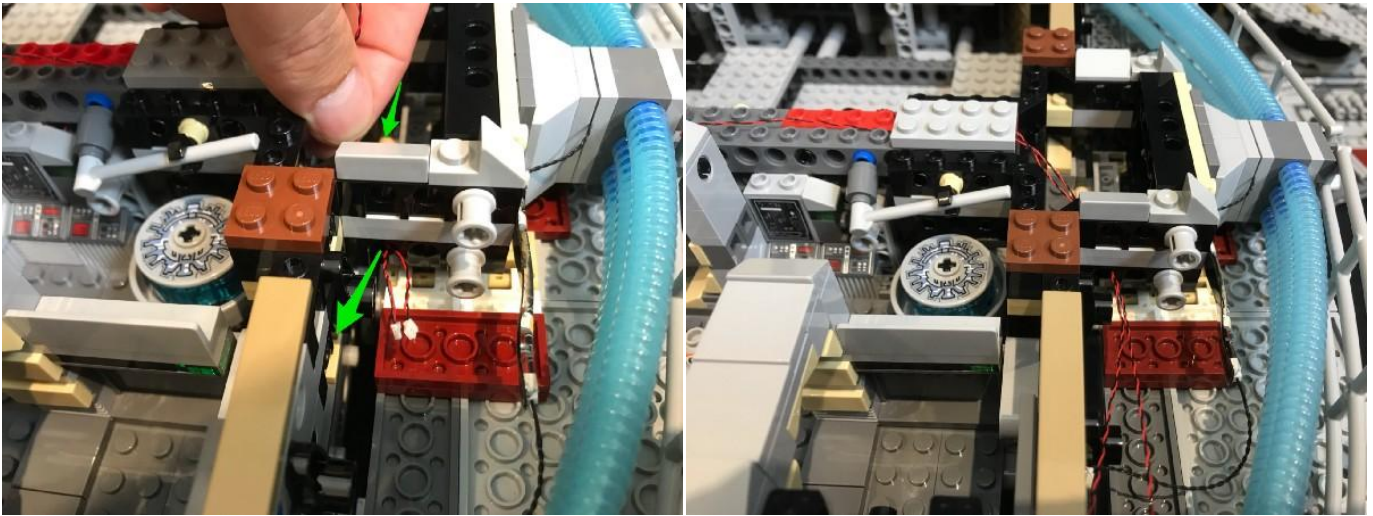
30. Pull both cables (from the middle corridor and control panel) behind and toward the right. Lay them in between studs and secure them down underneath the light grey 2x4 plate.



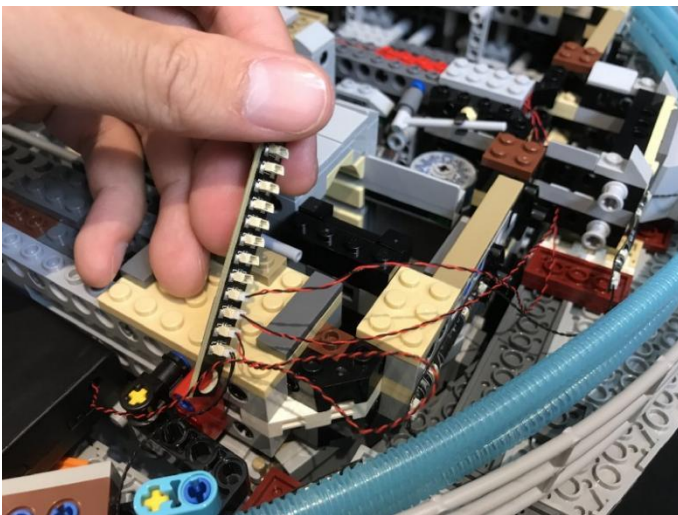
31



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



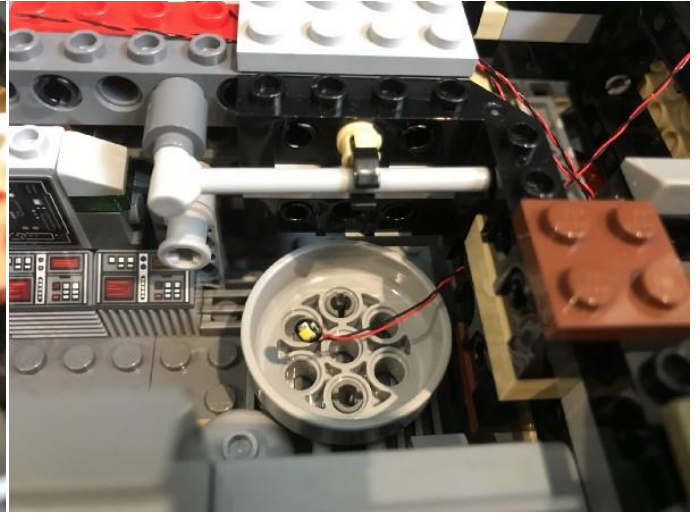
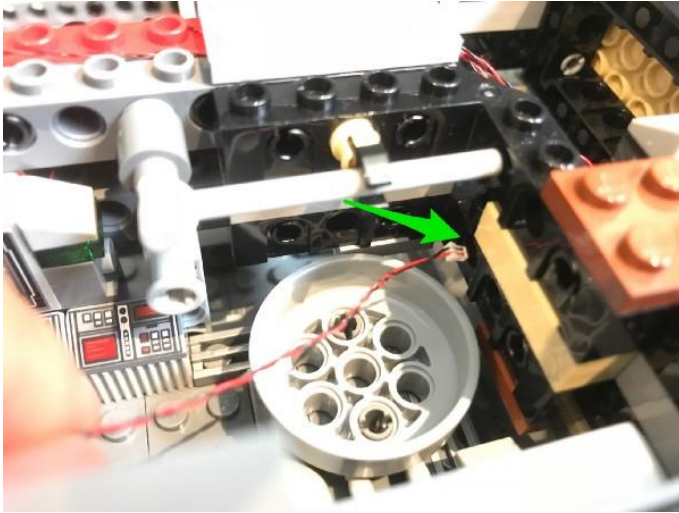
33. Connect the two cables to the 12-port expansion board.



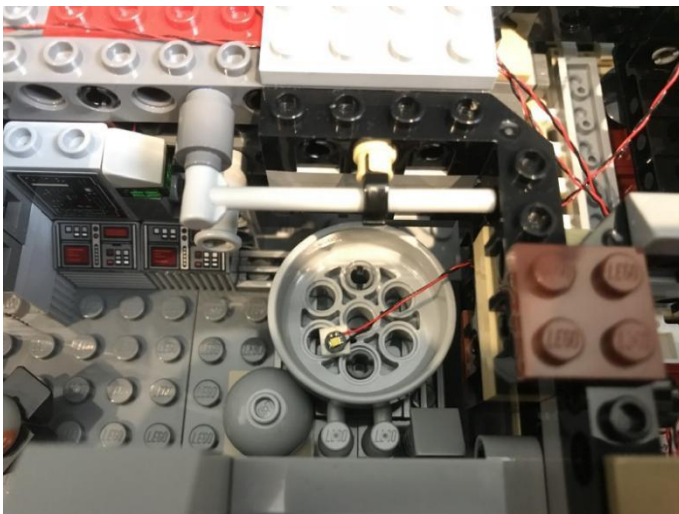
34. We will now install an LED inside the hyperdrive. First disconnect the top section as shown below.



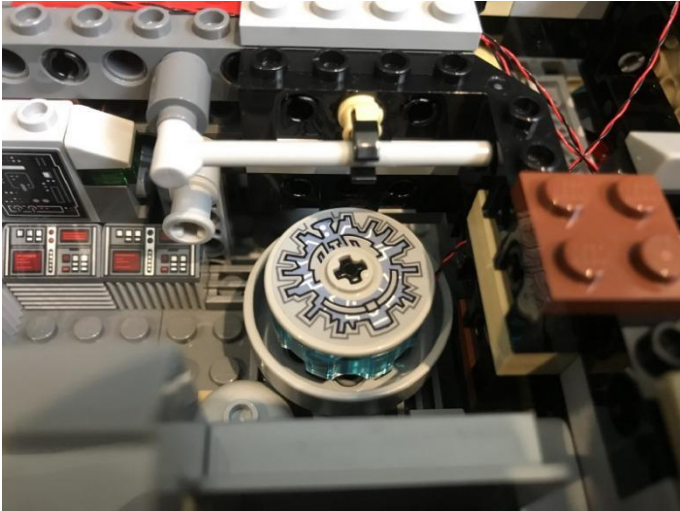
35. Take a White 30cm Dot Light and thread the connector side through the hole of the black technic brick in the corner. Pull the cable all the way through from the other side and then stick the Dot Light down (LED facing up) in the following position using an adhesive square.



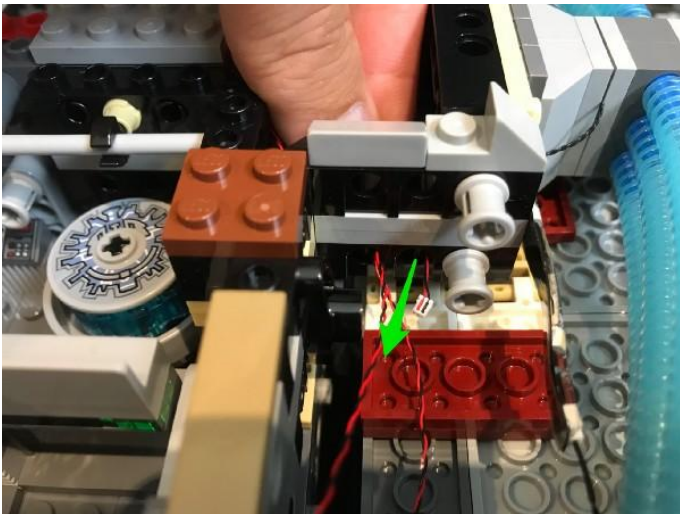
36



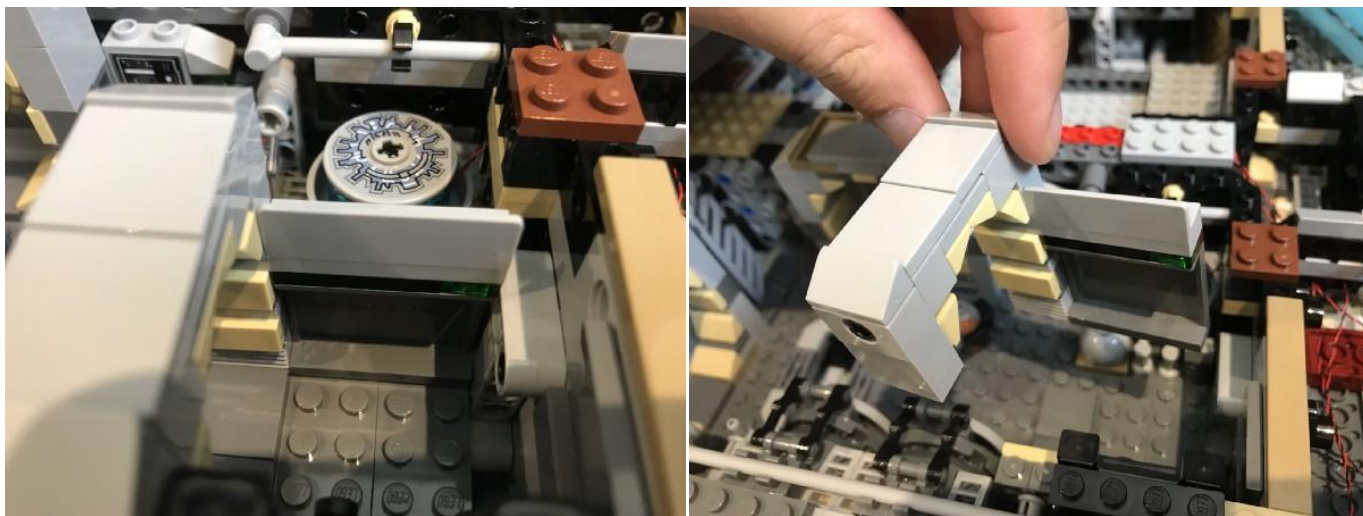
37.Reconnect the top section of the hyperdrive.



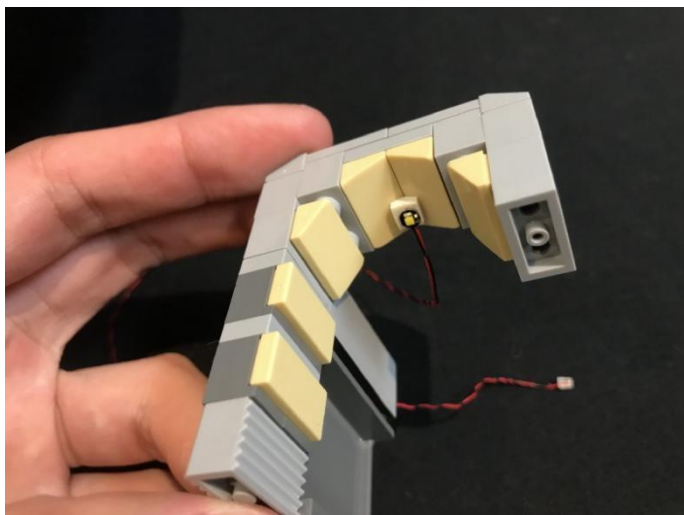
38.Thread the cable from the hyperdrive dot light through the black Technic hole (to the right of the hole we threaded the 2 dot light cables earlier). Pull the cable all the way through and then connect it to the 12 port expansion board.



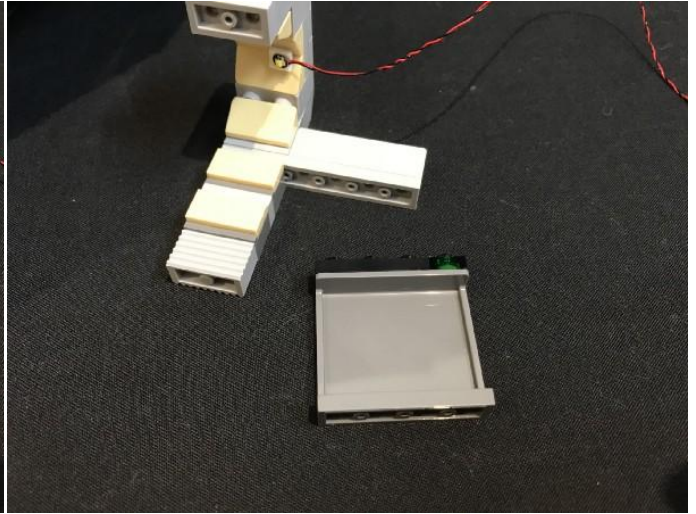
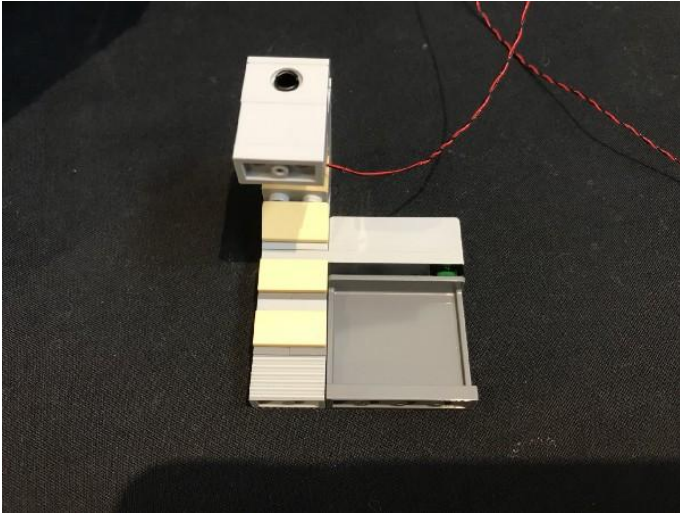
39. We will now install a flashing light in the corridor and another light to the cabin corridor above. First remove the following section as shown below:



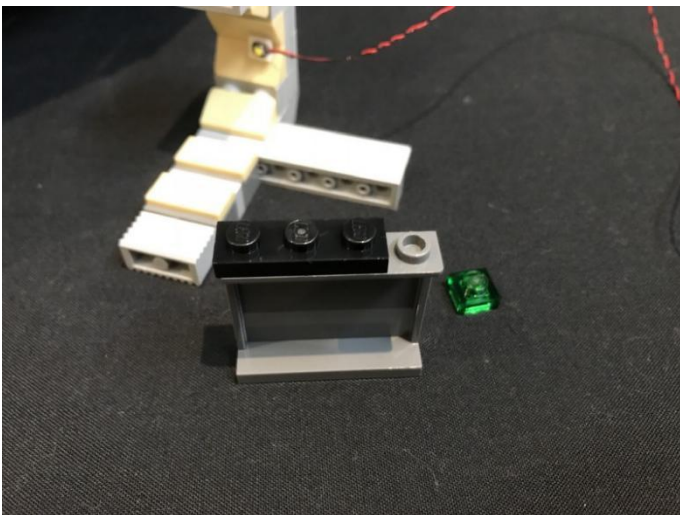
40. Take a White 30cm Dot Light and stick it underneath the roof of the corridor (with cable facing the same way as below) using an adhesive square.



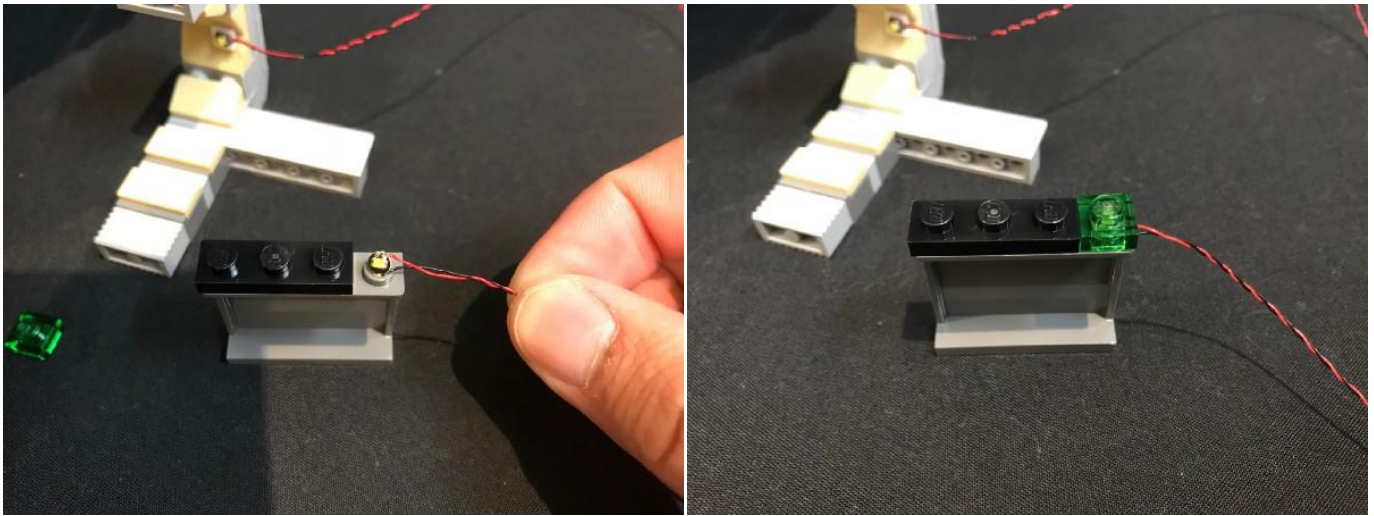
41. Place the corridor section down and then disconnect the wall section followed by the trans green plate.



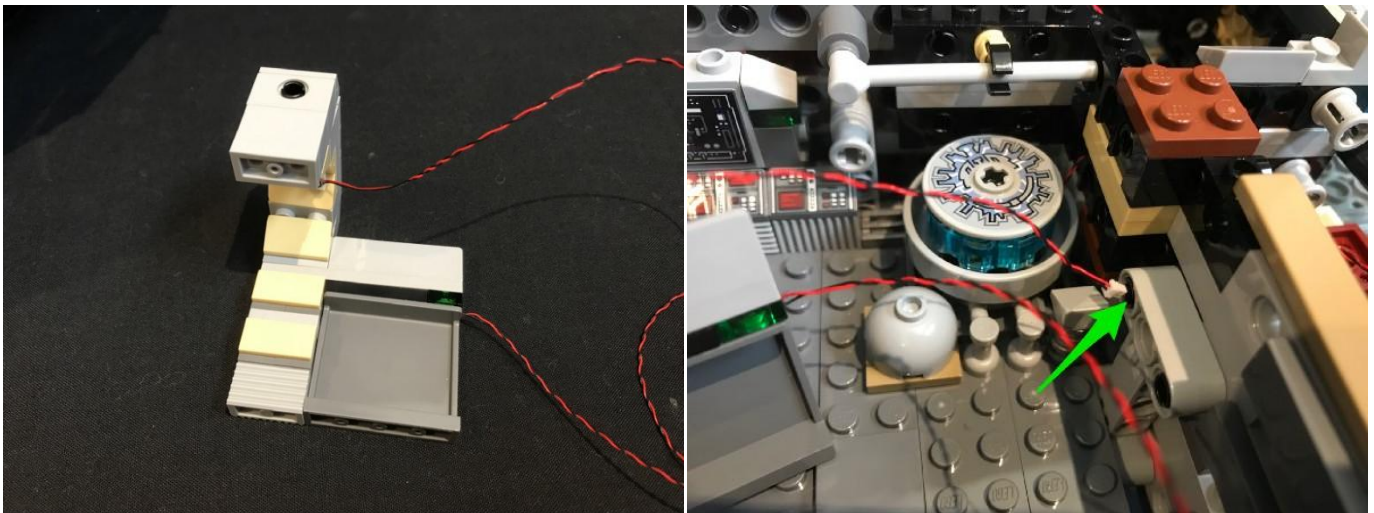
42



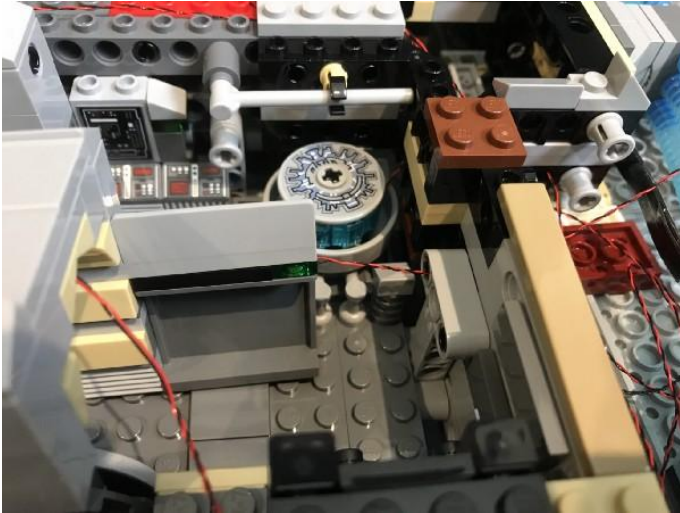
43. Take a Flashing White 30cm Dot Light and place the LED over the grey stud before reconnecting the trans green plate to secure the Dot Light in place. Ensure the cable is facing the same way as the example below.



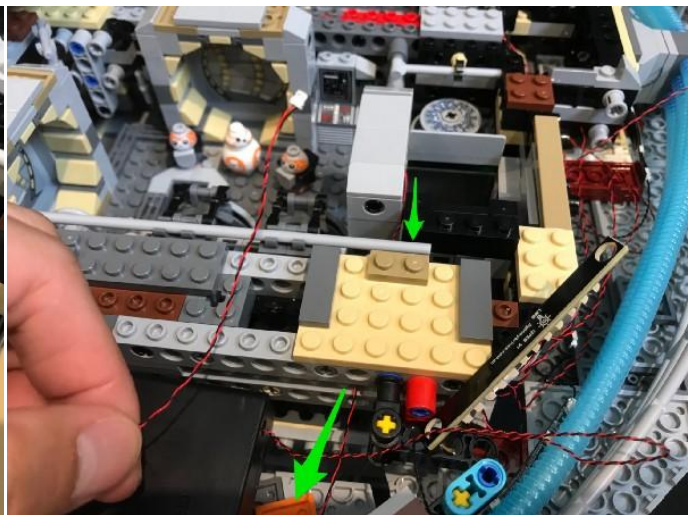
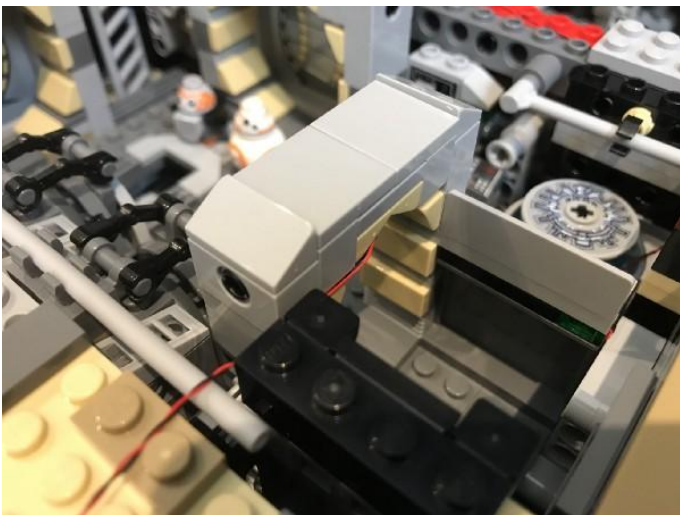
44. Reconnect the section back to the rest of the corridor then thread the Flashing Dot Light cable through the technic pin hole to the right. Reconnect the corridor section back to its original position.



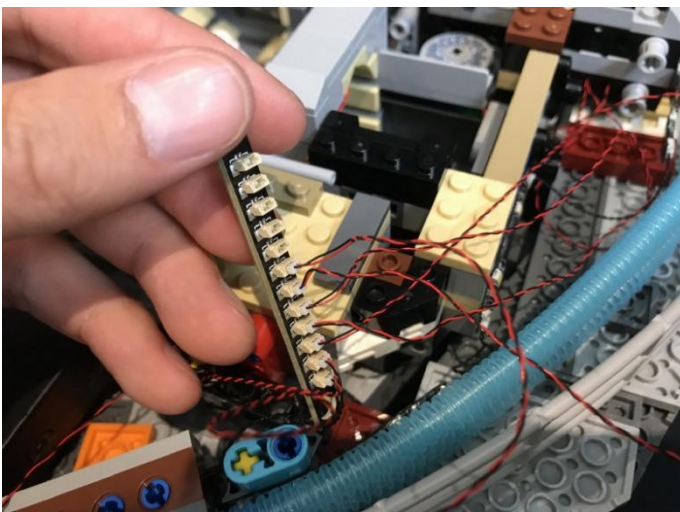
45



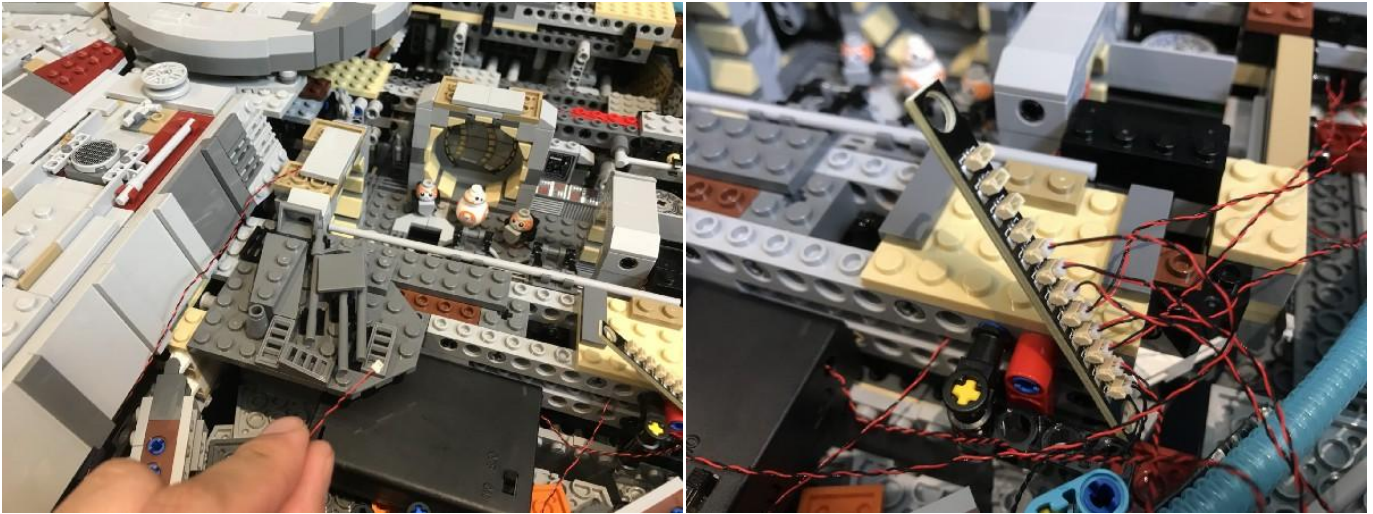
46. Thread the cable from the corridor roof down in between sections and then thread underneath spacing as shown below.



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



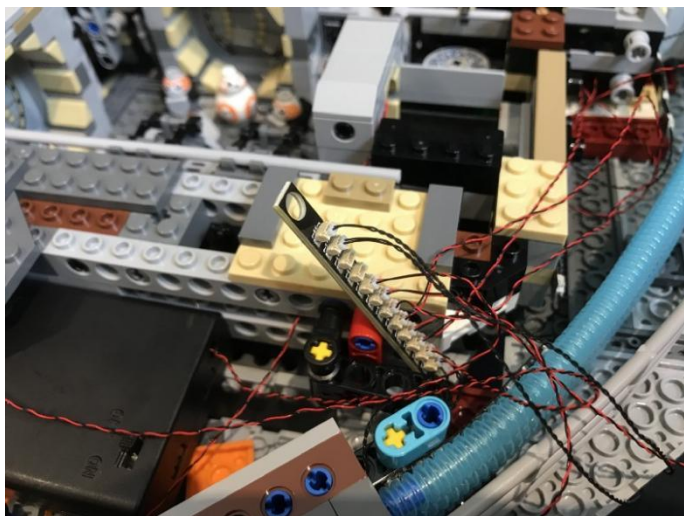
48. Locate the end of the White 30cm Dot Light from the left corridor (from step 10) and pull it down the centre behind sections and then across to the right to connect to the 12-port expansion board.



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



50. 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.



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



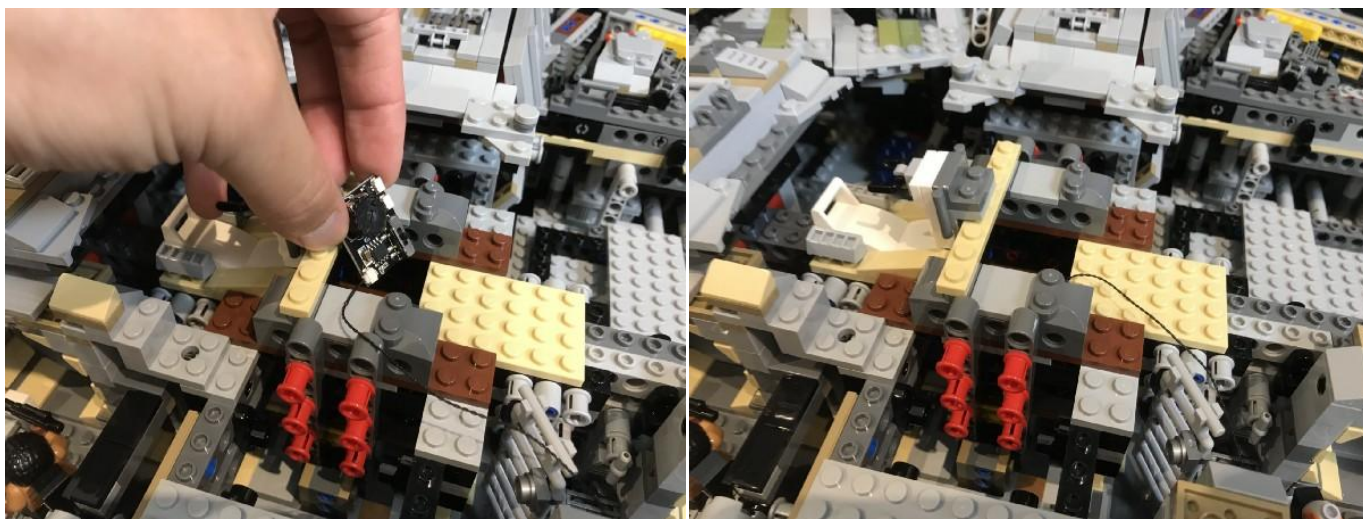
52. Take a 6-Port Expansion Board and connect one of the 30cm connecting cables we pulled across to one of the ports on the board.



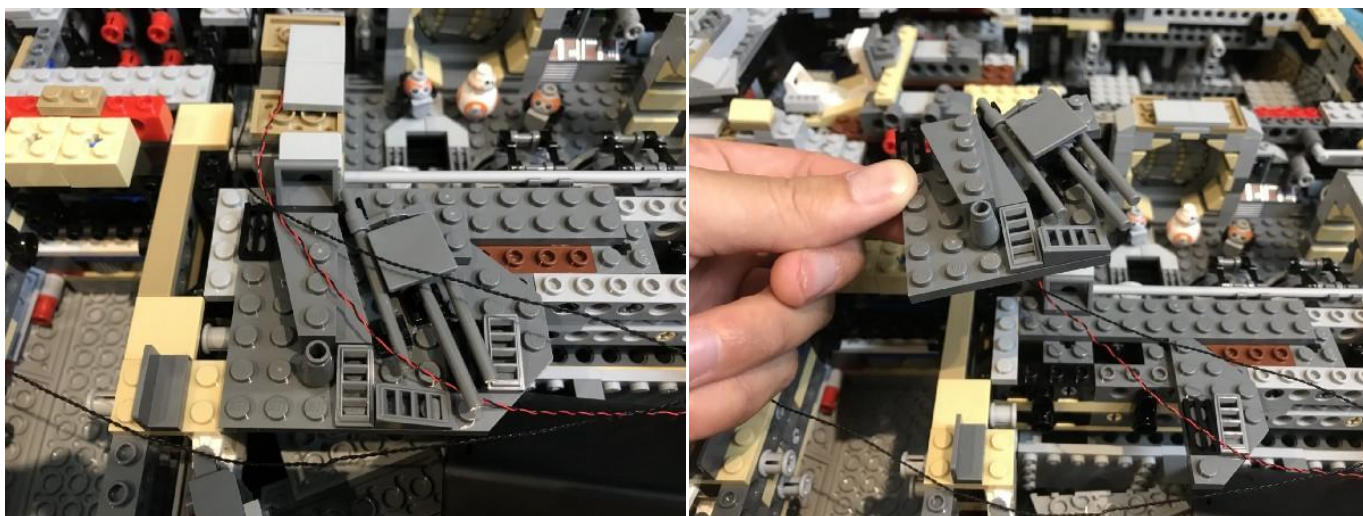
53. Take the Multi-Effects Board and connect the other 30cm connecting cable we pulled across to the input port on the board (side with only one port).



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



55. 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.

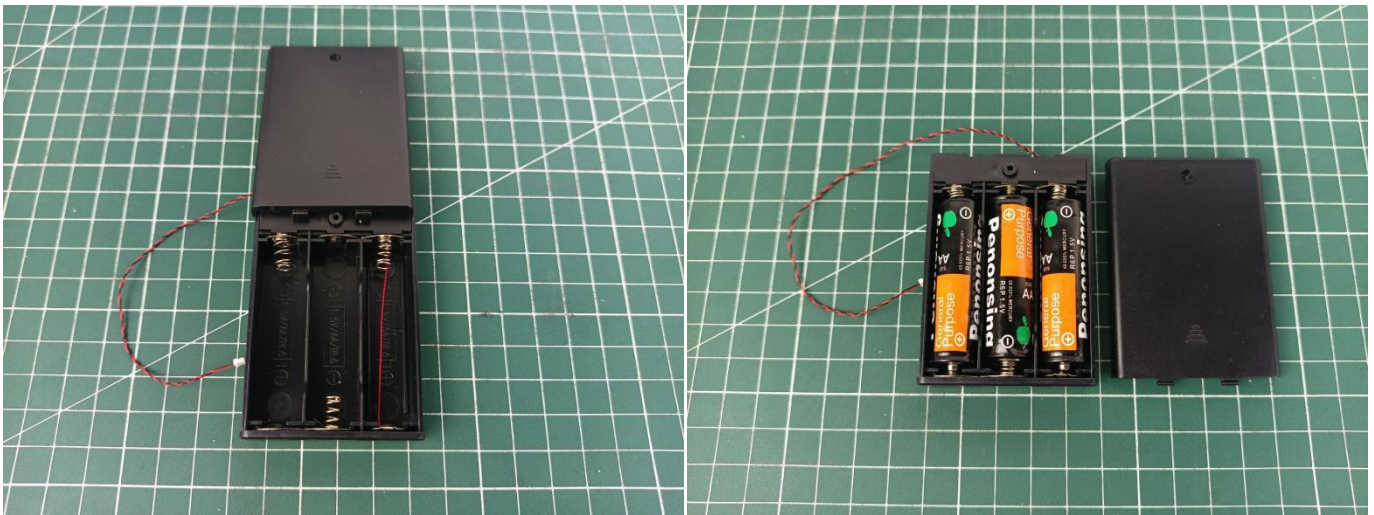




57. Tuck in the 12-port expansion board as well as the Battery Pack in the space in between sections and tuck in any access cables from the dot lights ensuring they are not visible from the outside.



The AA Battery Box does not contain batteries, please buy three AA batteries in the nearest store and install it in the AA Battery Box.



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59.Reconnect roof sections of the back of the falcon.



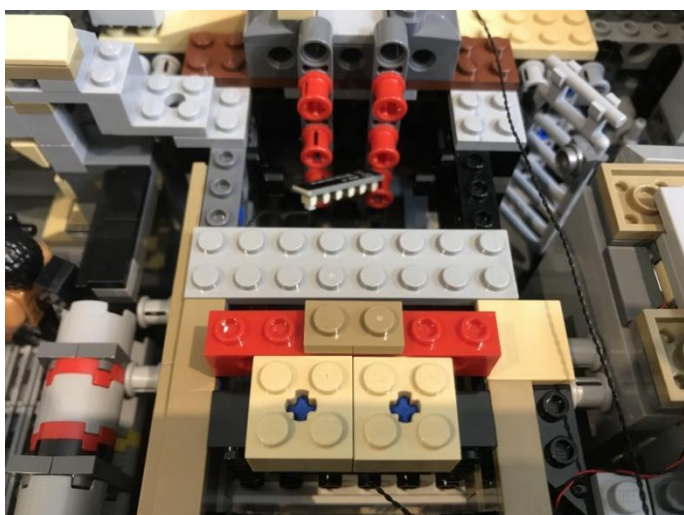
60. Remove the light grey 2x8 plate in the middle section. Thread the 6-port expansion board underneath through the space in between before reconnecting the light grey 2x8 plate over the top.



61



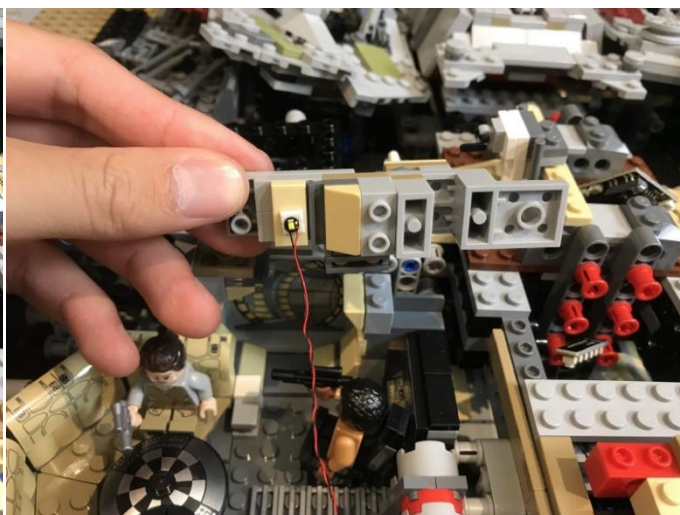
62



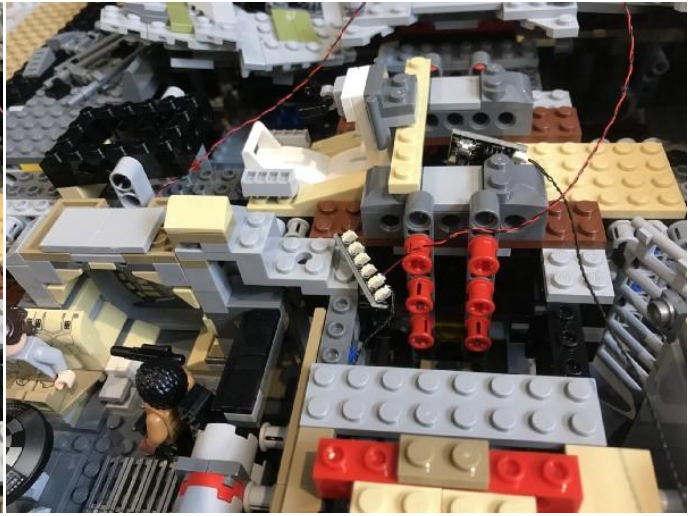
63. We will now light up the corridor in this section. First remove the top section and then take a White 30cm Dot Light and stick underneath the corridor roof using an adhesive square.



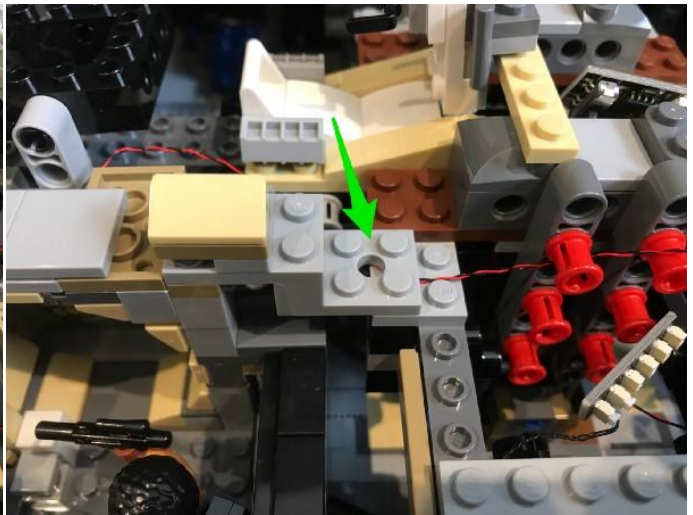
64



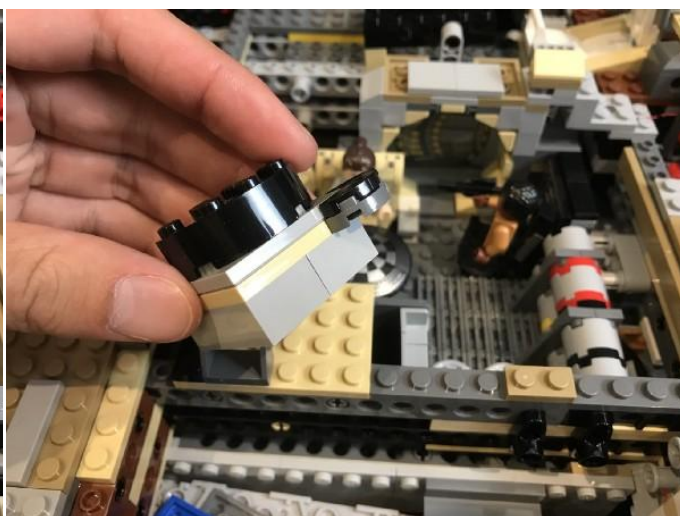
**65.Reconnect the corridor section ensuring the cable is laid neatly behind.
Connect this Dot Light into the 6-port expansion board and then neatly
lay the cable behind before securing it underneath the following piece.**



66



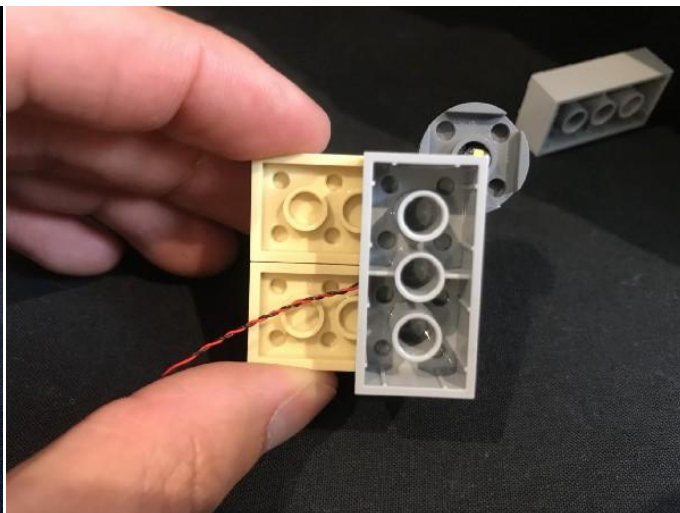
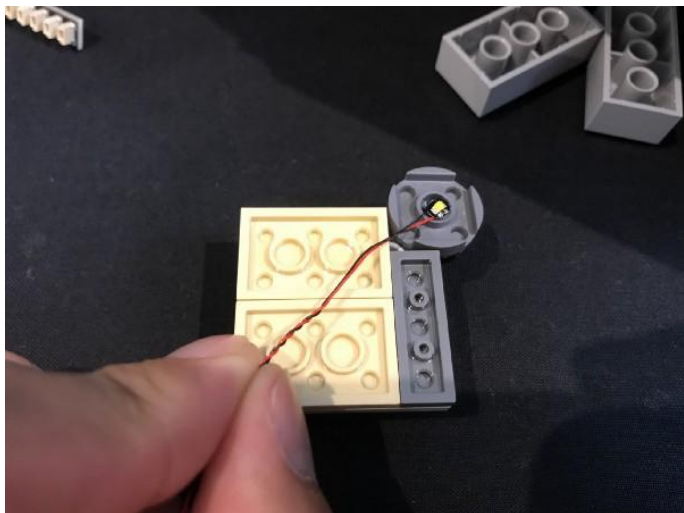
67. Remove the following section toward the side of the ship. Place it upside down and then disconnect the two light grey 2x4 bricks connected underneath.



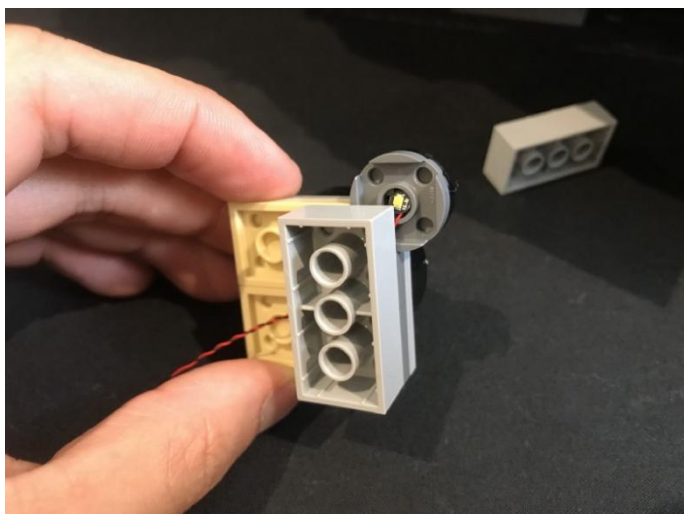
68



69. 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.



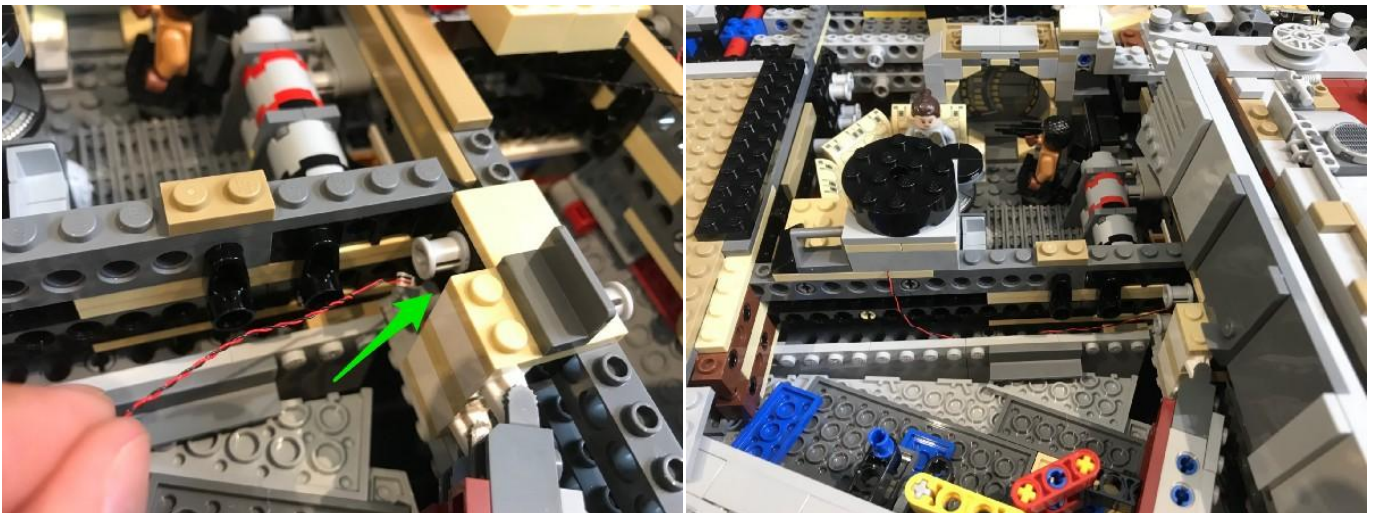
70



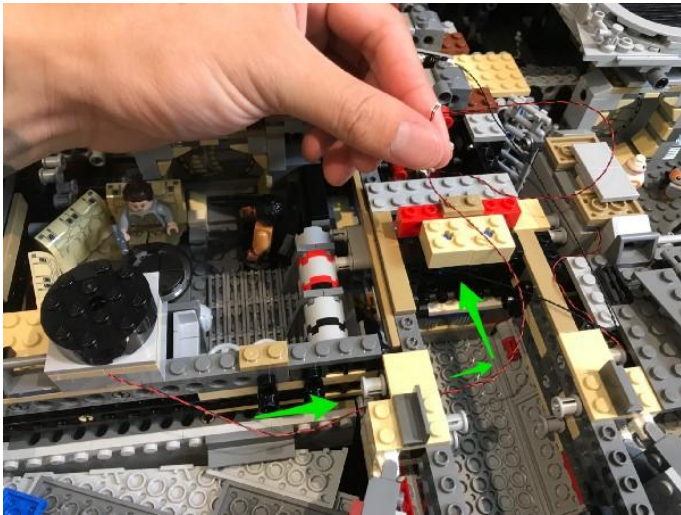
71.Reconnect the second 2x4 brick ensuring the cable is laid in the middle, before reconnecting this section to the side of the ship. The Dot Light should now be facing down to shine down on this part of the cabin.



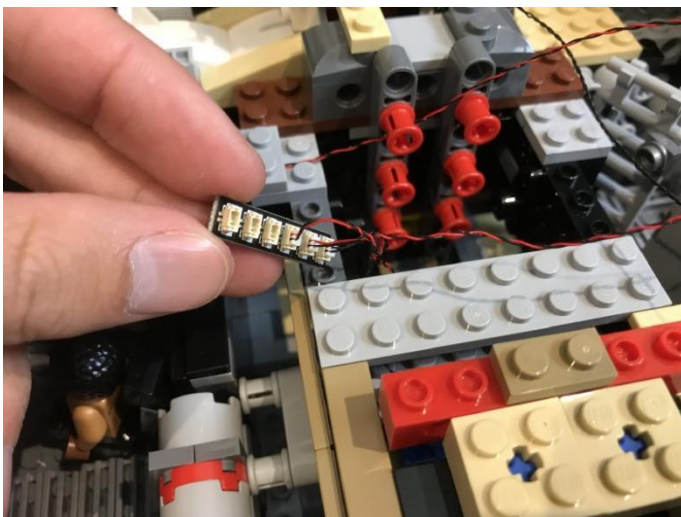
72.Pull the cable behind and toward the right. Thread it through the space which leads to the other side and then thread it underneath, up toward the middle before reconnecting it to the 6-port expansion board.



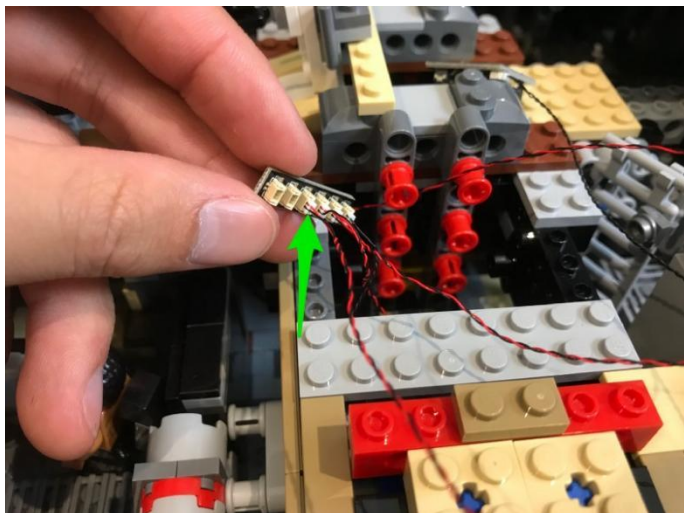
73



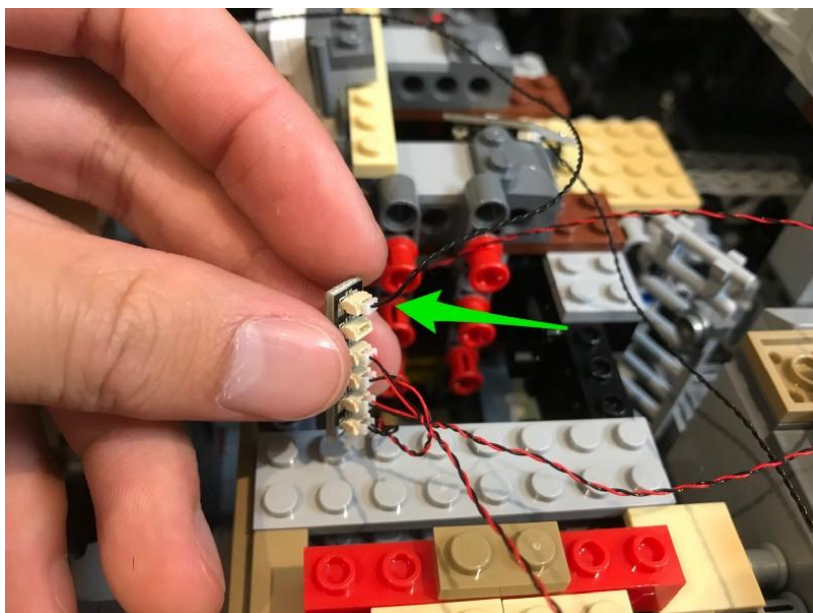
74



75. 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.



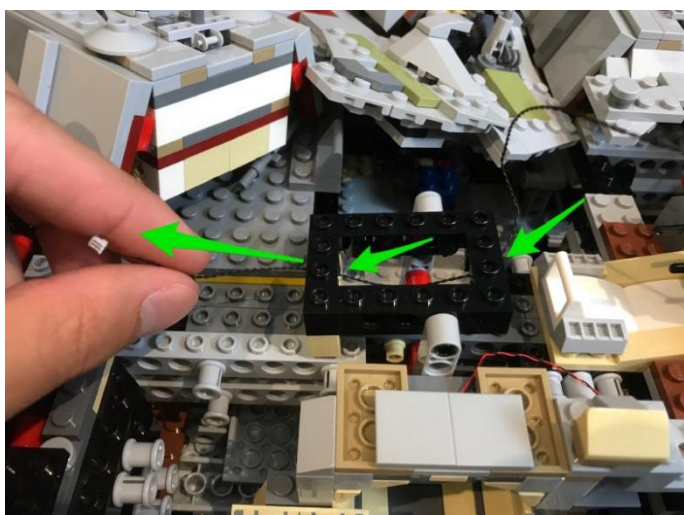
76. Take another 30cm Connecting Cable and connect this to the next available port on the 6-port expansion board.



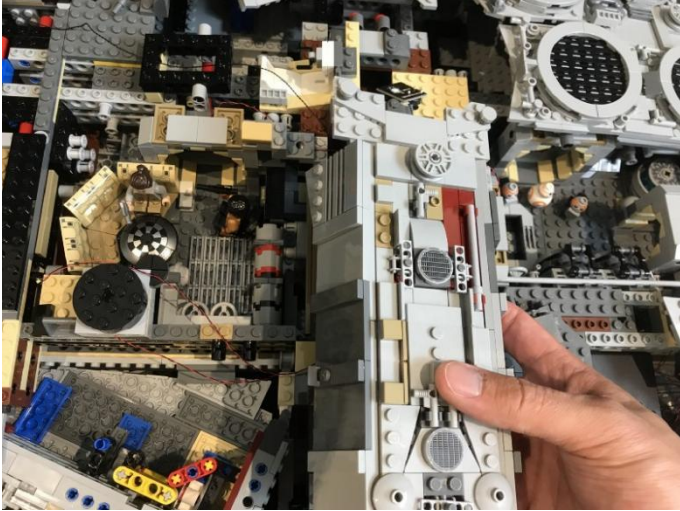
77. Thread the other end of the cable down the middle of the falcon toward the left. Feed the cable through the technic holes as shown below:



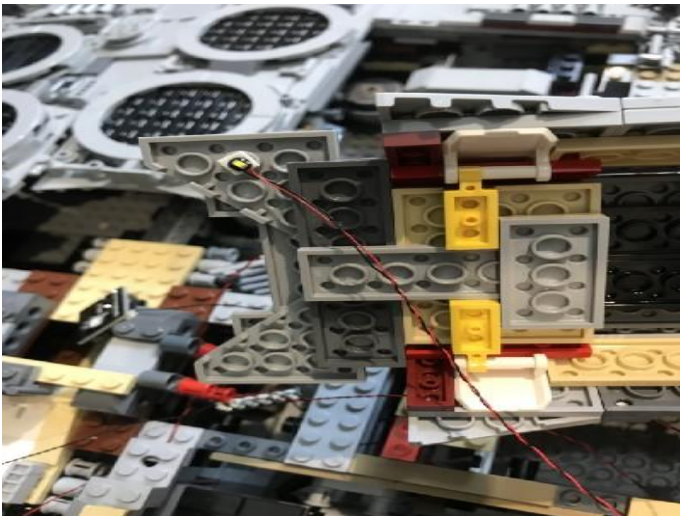
78



79. 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.



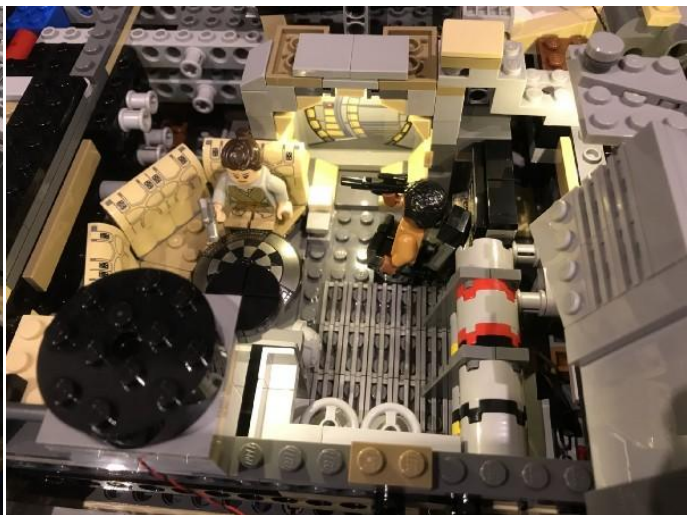
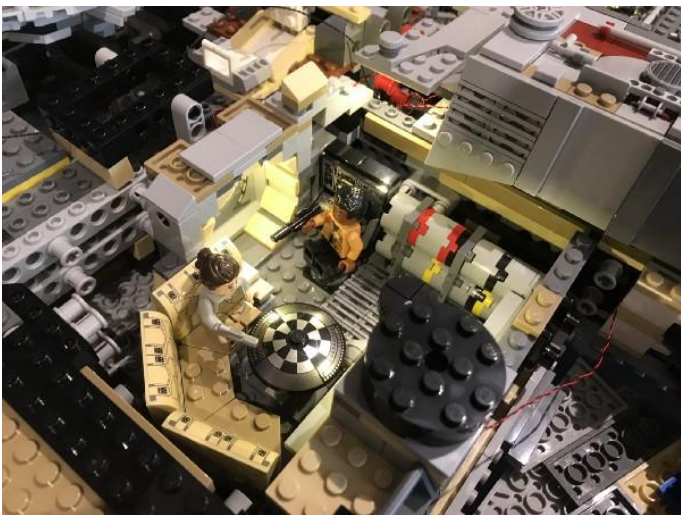
80



81.Reconnect the middle section securely.



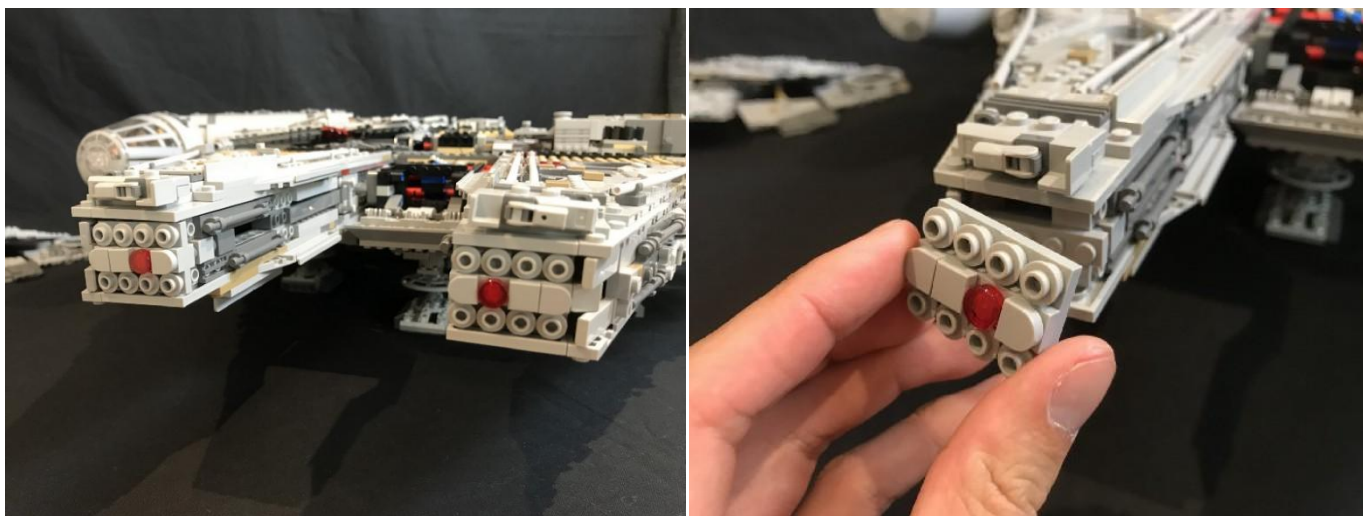
82.Turn the Battery Pack on to test the lights we have installed to this cabin section.



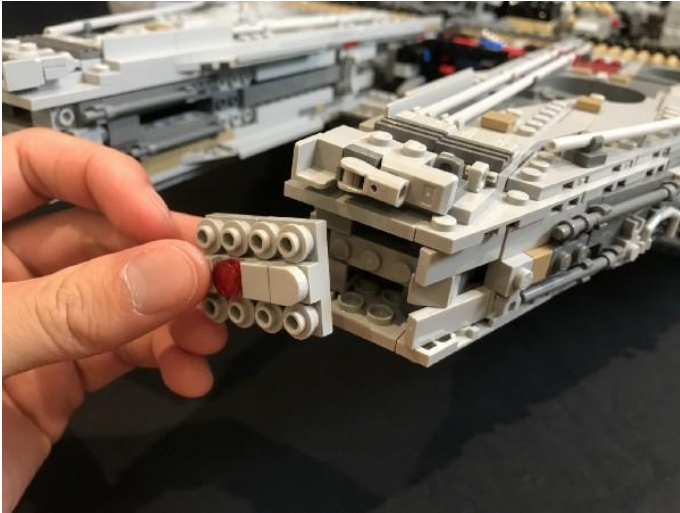
83. Take another 6-port Expansion Board and connect the other end of the 30cm connecting cable from step 28 to the first available port on the expansion board. Bring the expansion board over to the left.



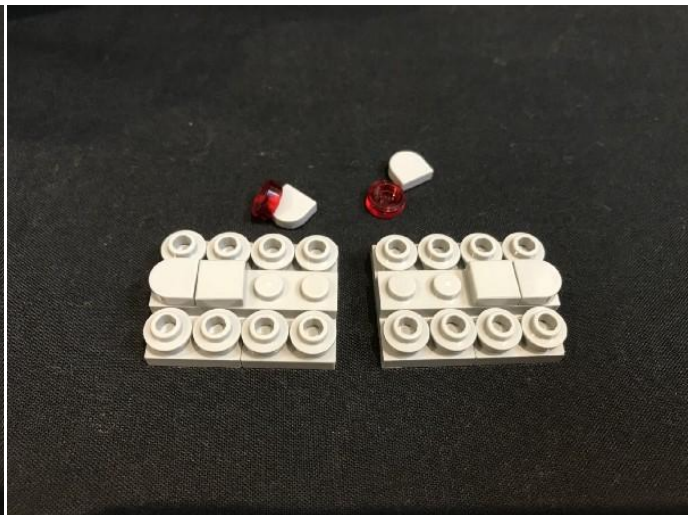
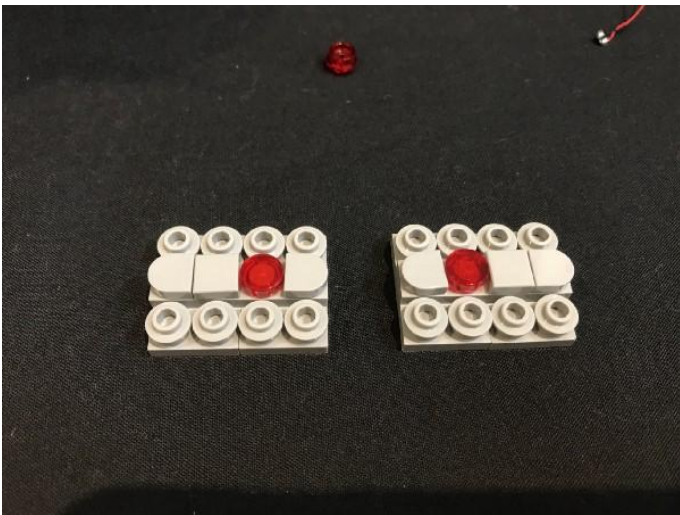
84. We will now install lights to the front of the Millennium Falcon. First remove the front plate sections from each side as shown below.



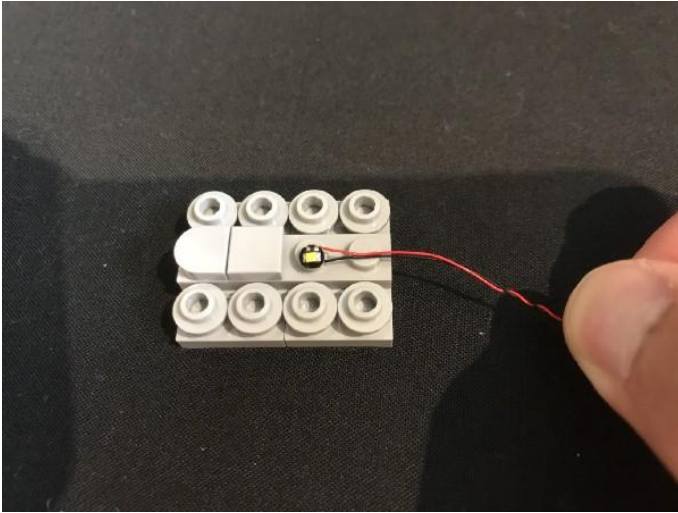
85



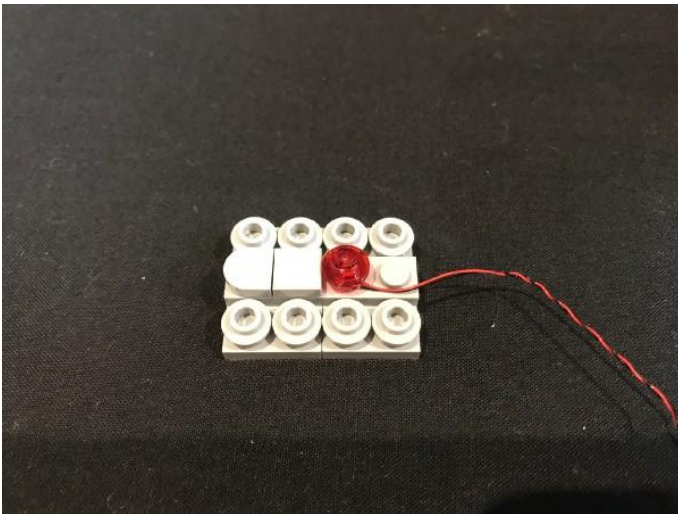
86. Remove the following pieces from each plate.



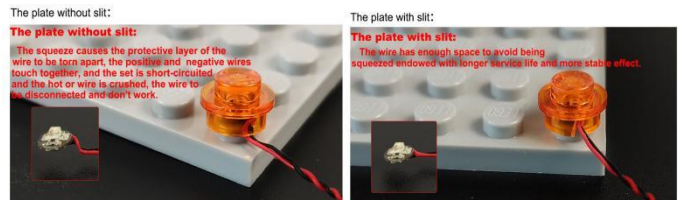
87. Starting with the left plate, take a White 30cm Dot Light and place it directly over the stud shown below ensuring the cable is laid the same way. Take one of the provided 1x1 Round Plates (trans red) and connect it over the top securing the Dot.



88. Light in place.

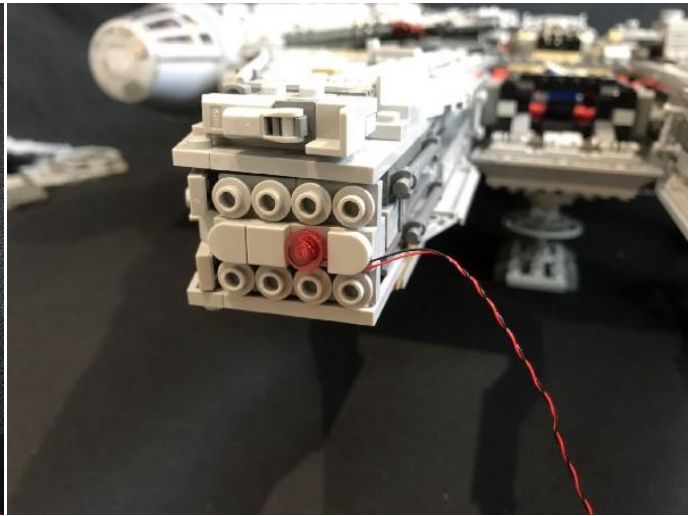
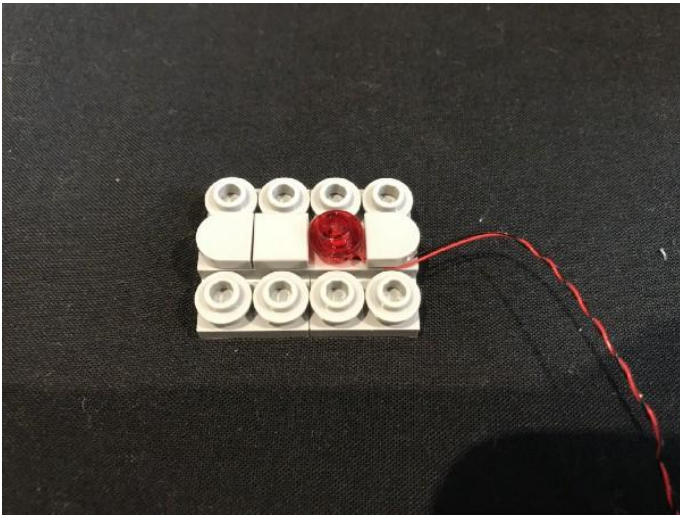


Tips

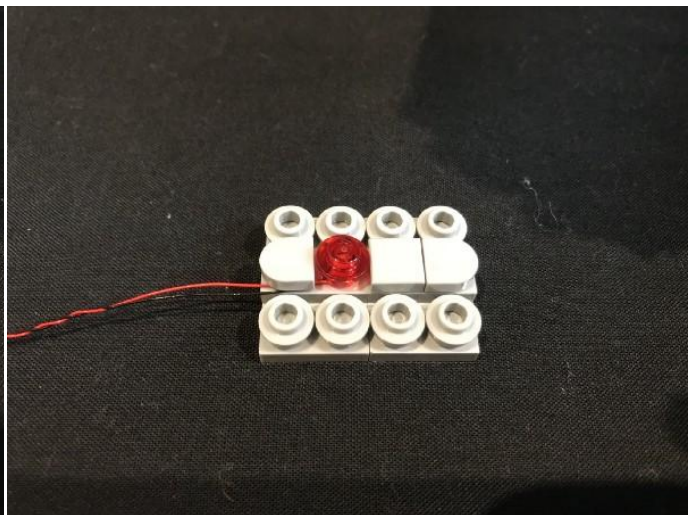
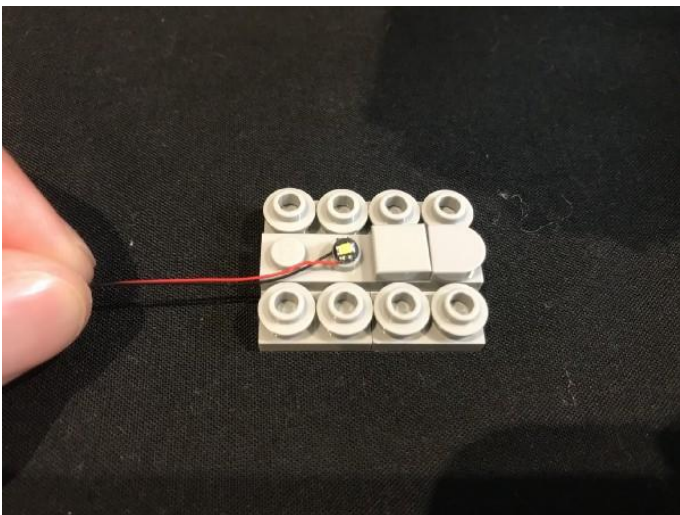


The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormal heat during installation.

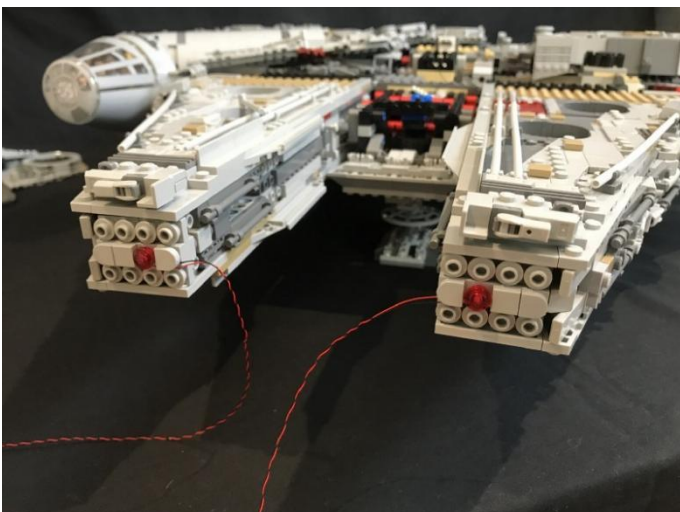
89.Reconnect the remaining piece ensuring the cable is laid underneath and then reconnect this section back to the front left of the ship.



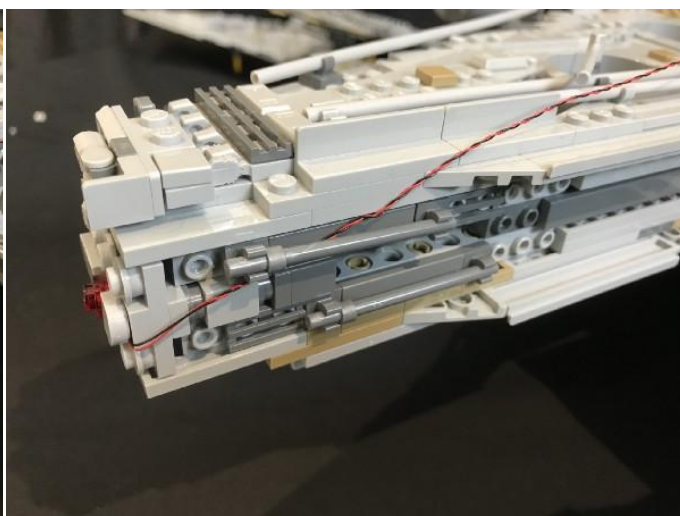
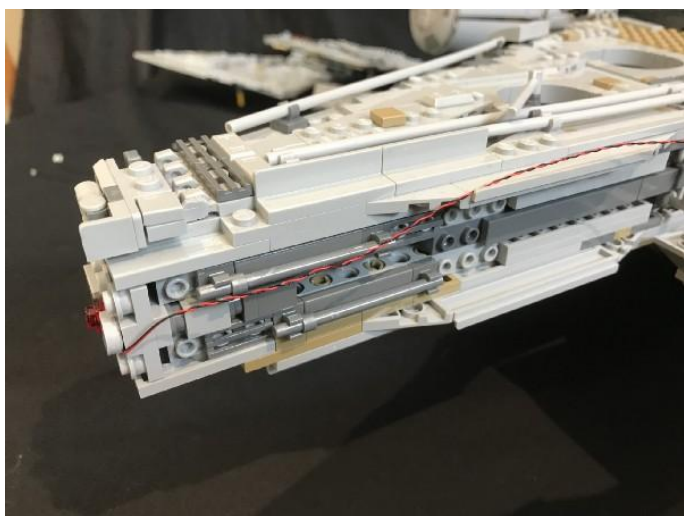
90.Repeat the previous step for the front right side using another White 30cm Dot Light and provided 1x1 Round Plate (trans red).



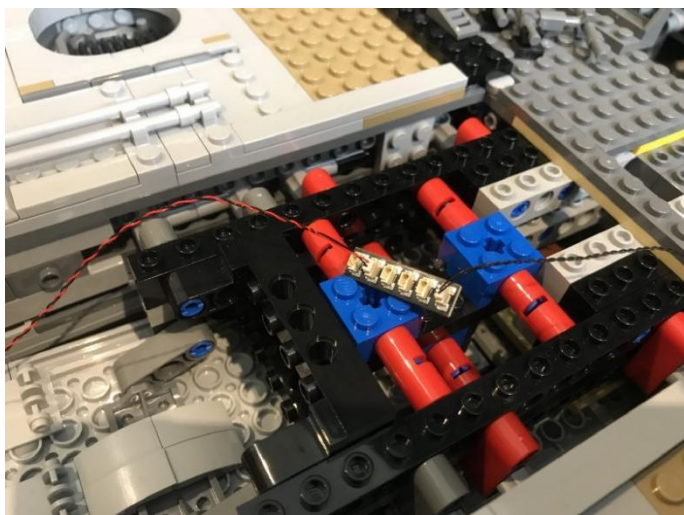
91



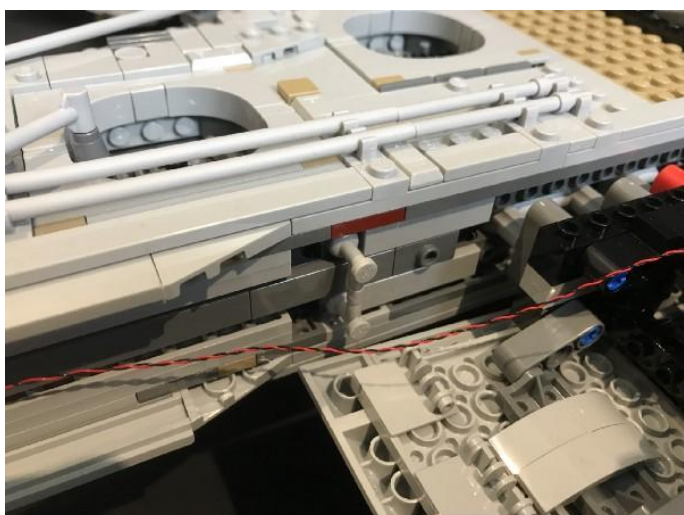
92. Pull the cable from the front left side across to the right toward the inside and secure it underneath the dark grey bar as shown below before connecting the Dot Light into the 6-port expansion board.



93



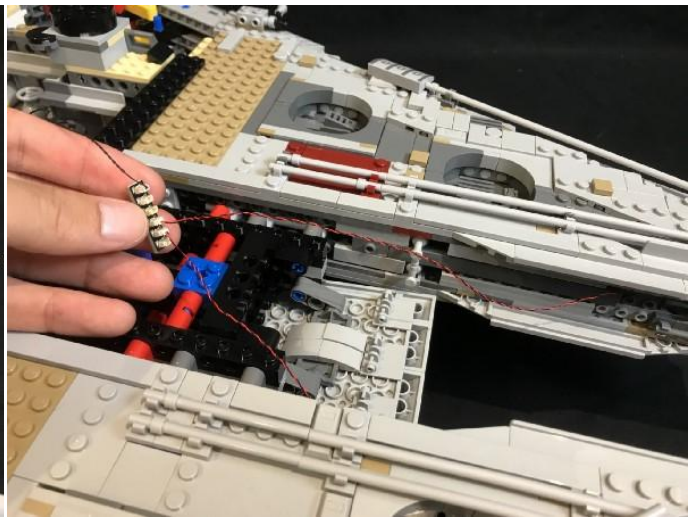
94. Secure the cable underneath the light grey tap pieces as shown below:



95



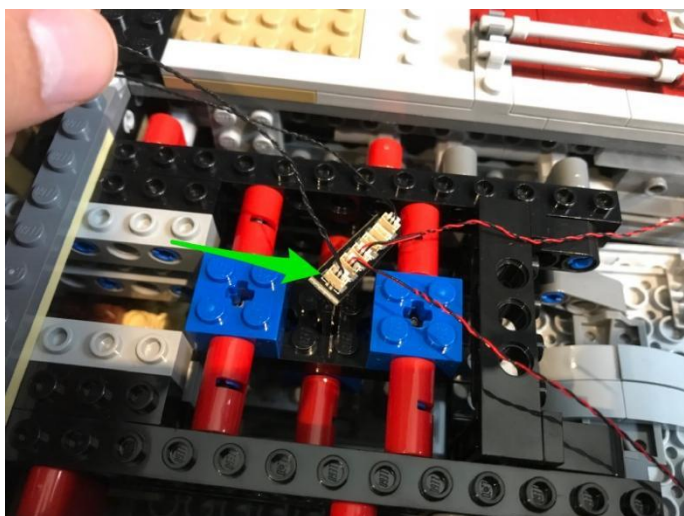
96. Repeat this process for the front right side.



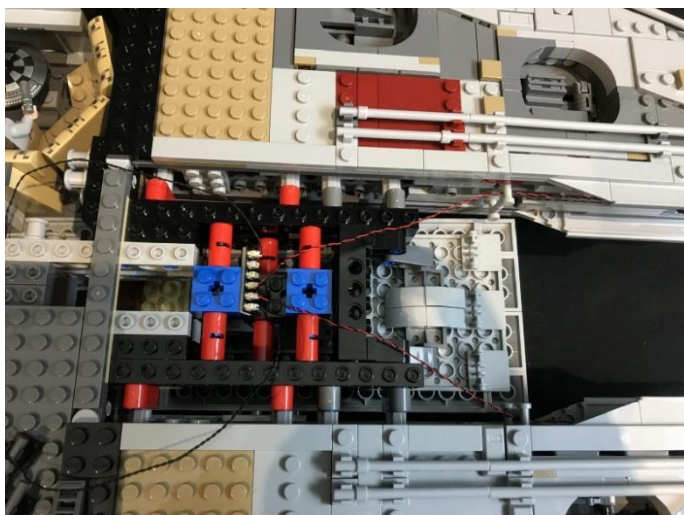
97. Turn on the Battery Pack to test the front lights are working OK.



98. 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.



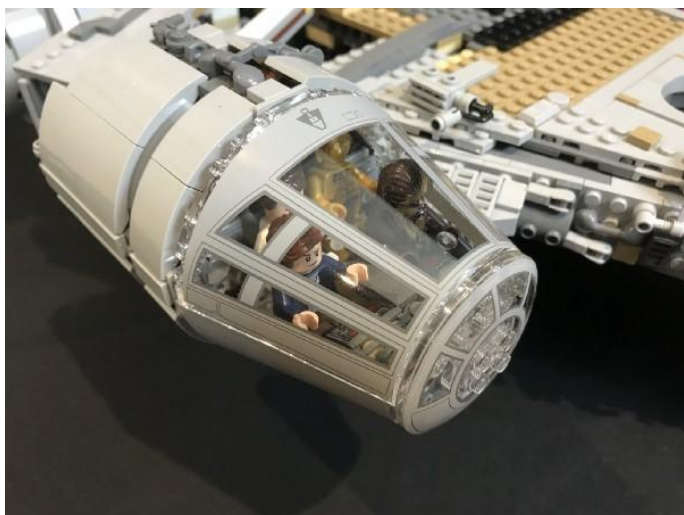
99. Neatly place the expansion board in between sections as per below.



100. Remove the entire roof sections that leads to the cockpit.



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



102



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

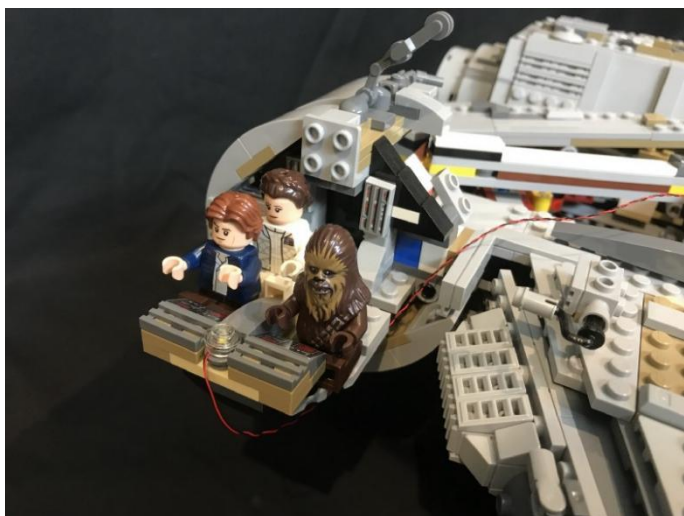




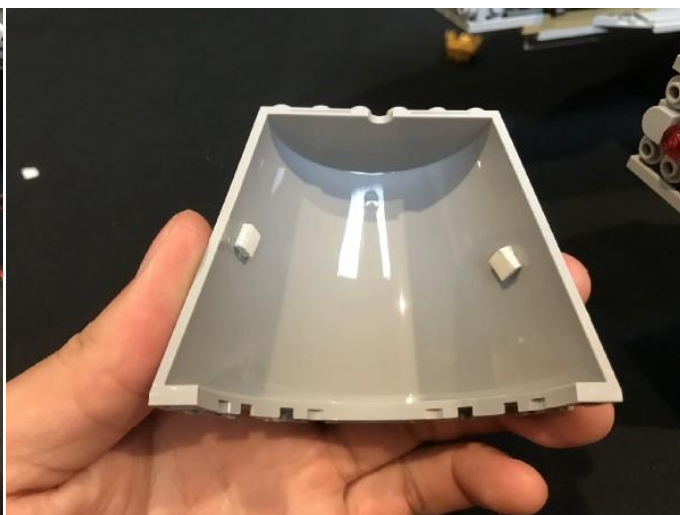
105. Take the remaining White 30cm Dot Light and place it directly over the middle stud at the front ensuring the cable is facing out. Connect the provided 1x1 Round Plate (trans clear) over the top of the dot light, securing it in place.



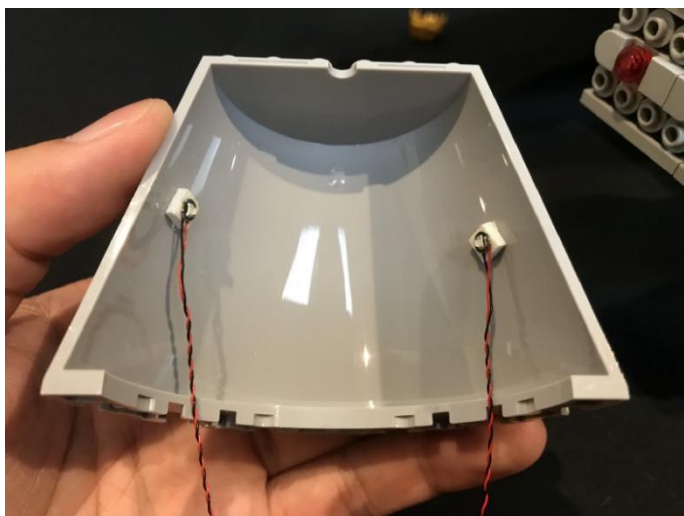
106. Pull the dot light cable underneath the cockpit and secure it in the space in between the side and middle section.



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



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



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



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



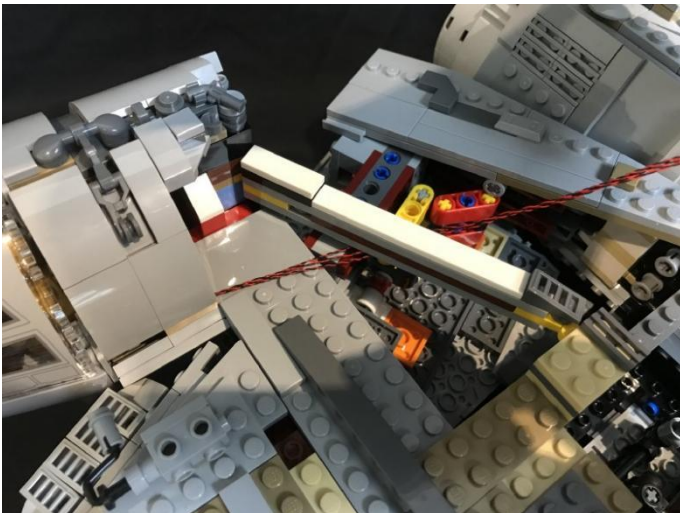
112.Reconnect the right section of the cockpit ensuring all cables are neatly hidden underneath.



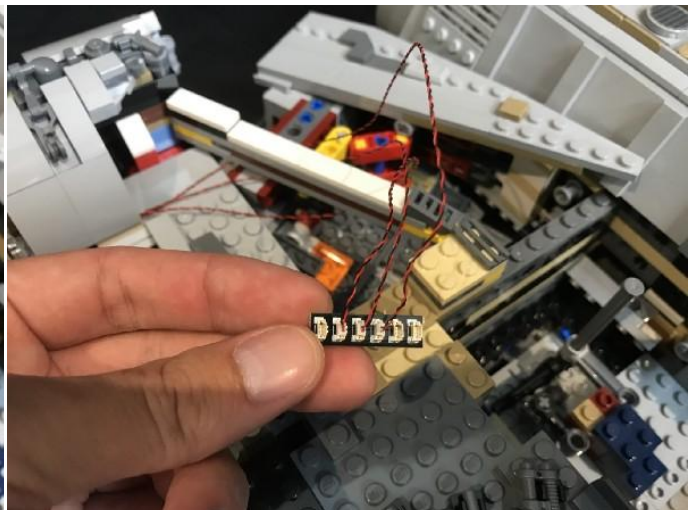
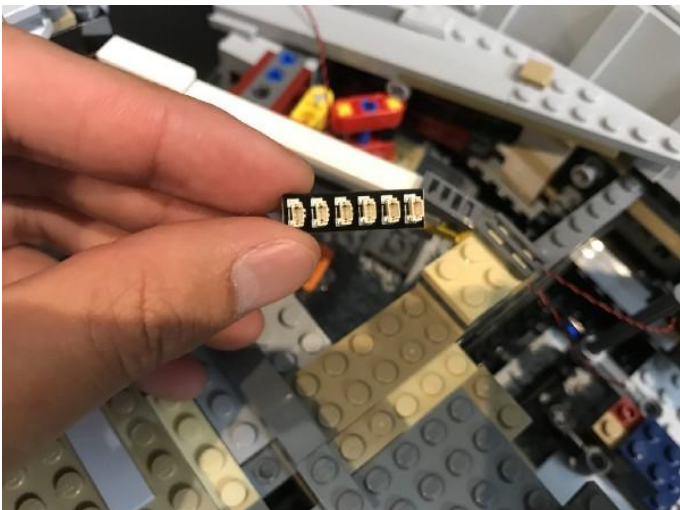
113.Reconnect the cockpit window.



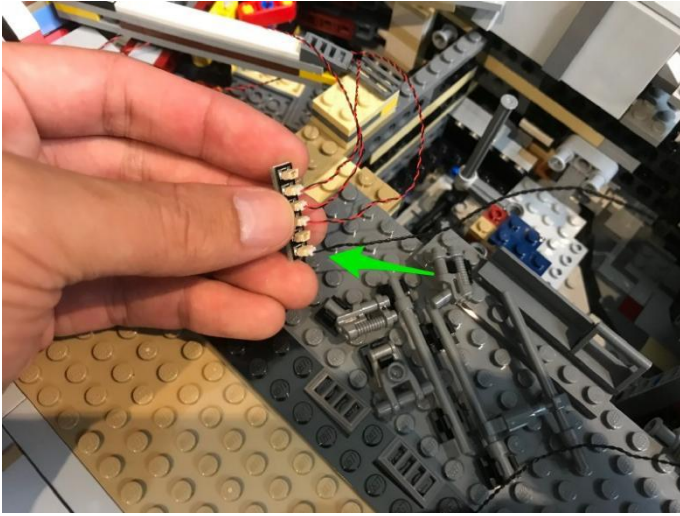
114.Group the 3x Dot Light cables together and then thread them underneath the white bar that leads inside the falcon. Take a 6-Port Expansion Board and then connect the dot light cables to available ports.



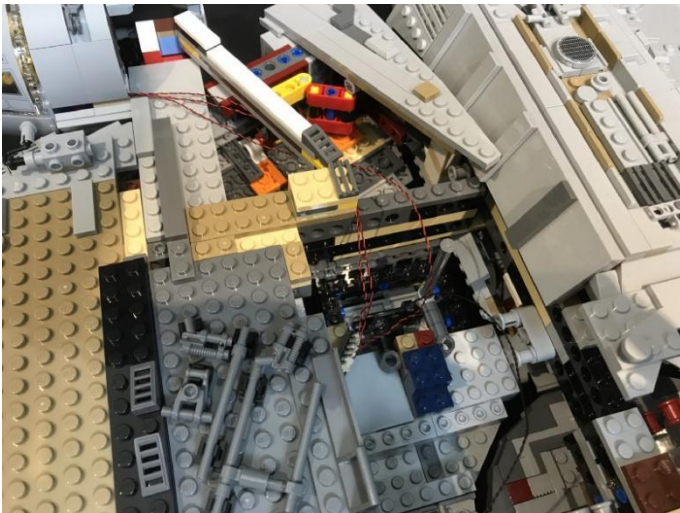
115



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



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



118



119.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.



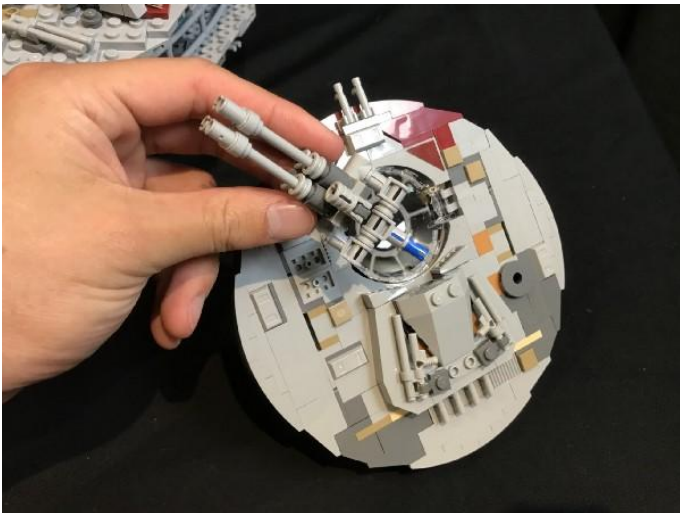
120



121. 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.



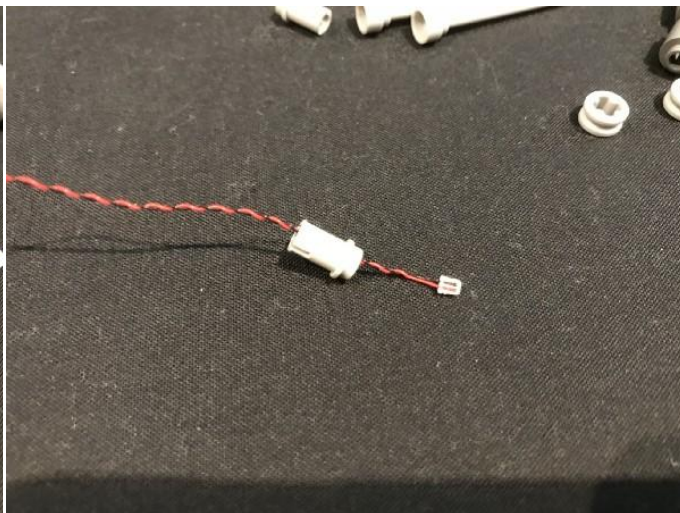
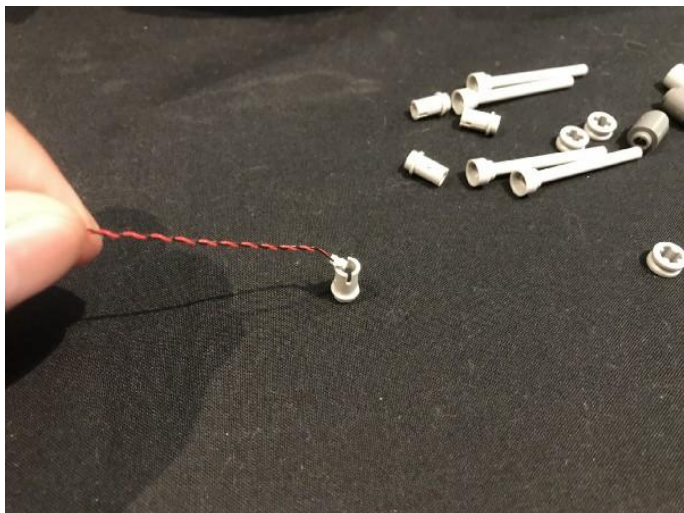
122



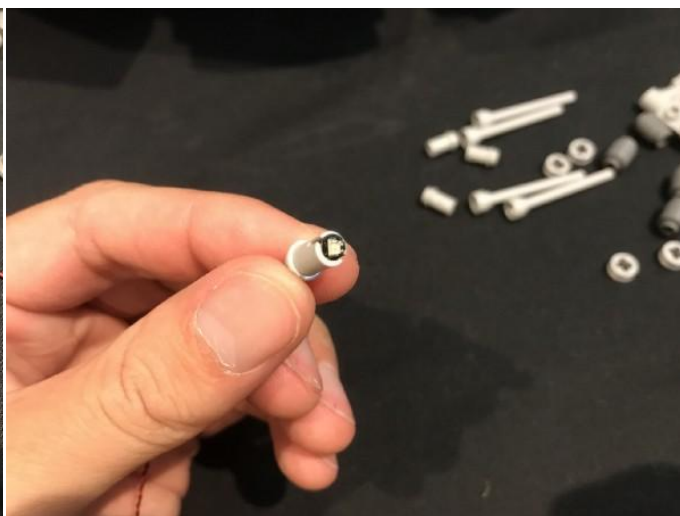
123. Disassemble pieces from the 4 cannon sections as per below.



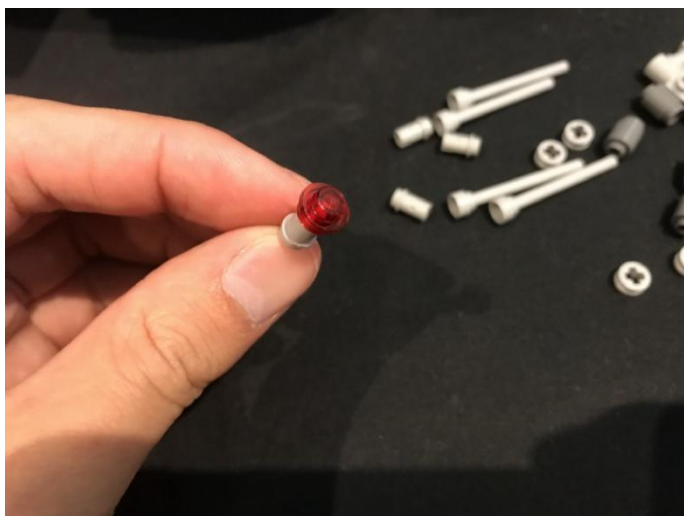
124. Take one of the Red 30cm Dot Lights and thread the connector side through the top of the 1/2L technic pin. Thread the dot light all the way through and then bend the LED component slightly so that it sits flat against the top of the pin.



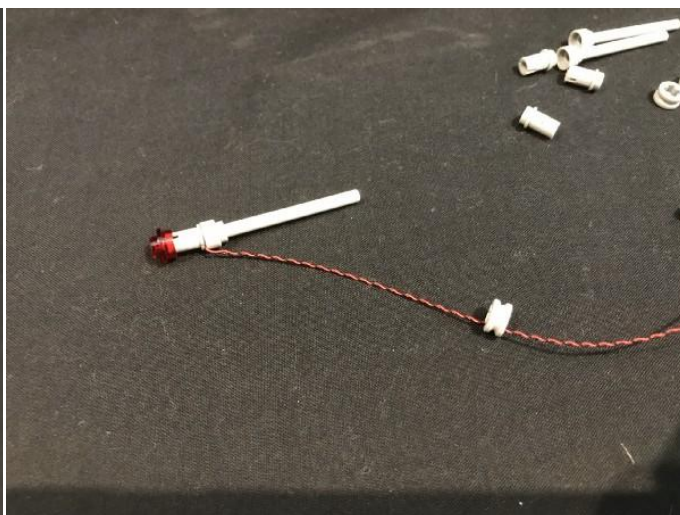
125



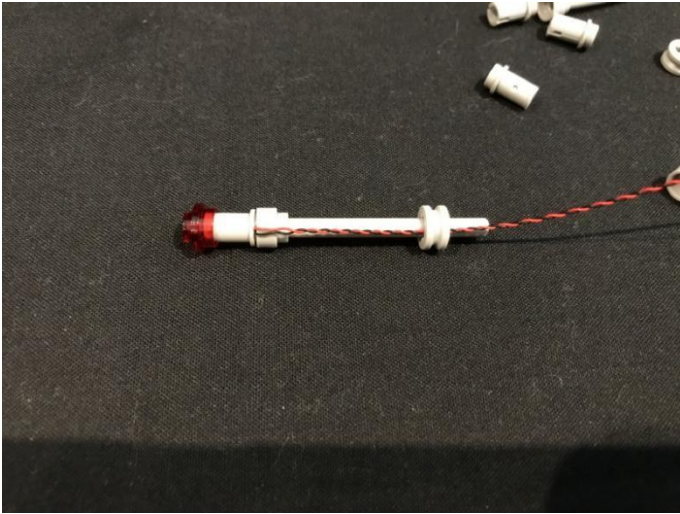
126. Take one of the provided Trans Red 1x1 Round Plate and connect it directly over the top of the Dot Light to secure it in place.



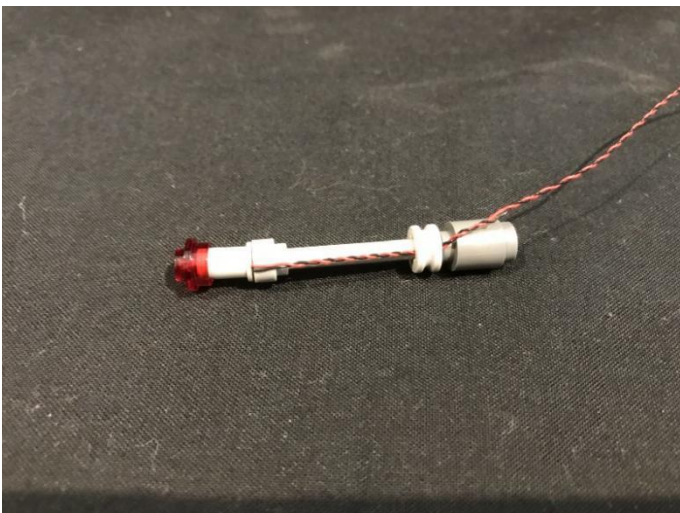
127. Reconnect the 1/2L technic pin to the section below and then thread the dot light cable through the technic ring.



128. 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.



129. Reconnect the dark grey 1x1 round brick underneath.



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



131.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.



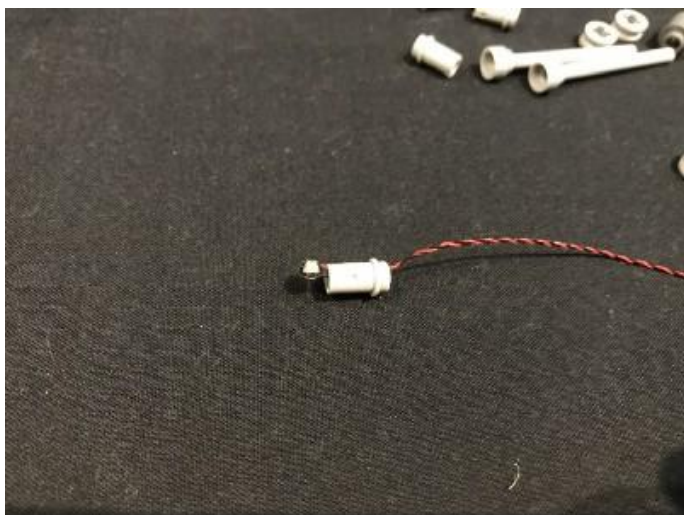
132. Take the 2 cables and then wind them around each other from top to the bottom so they become one larger cable.



133. 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.



134



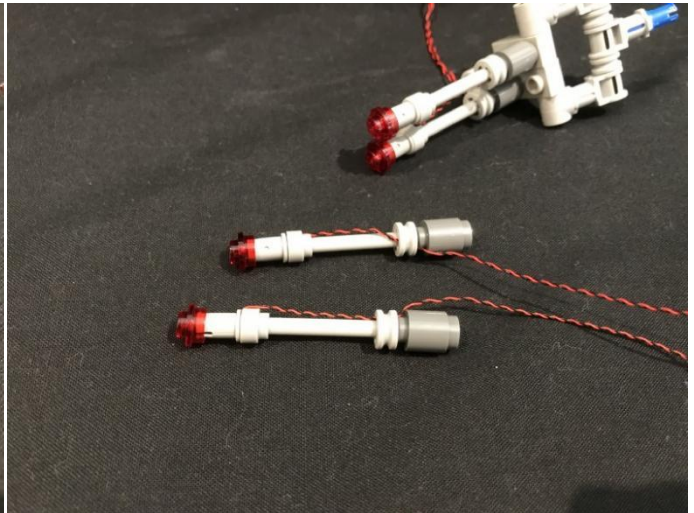
135



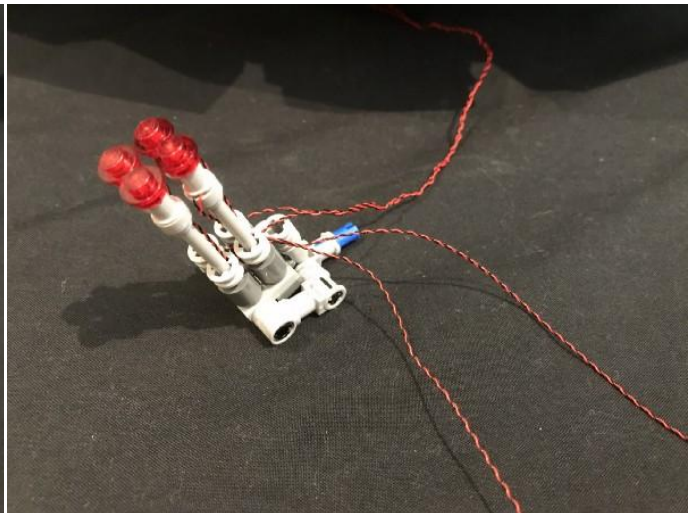
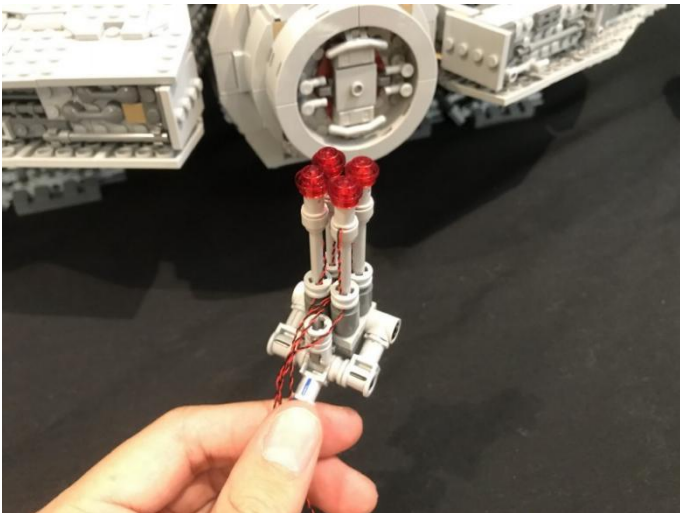
136



137



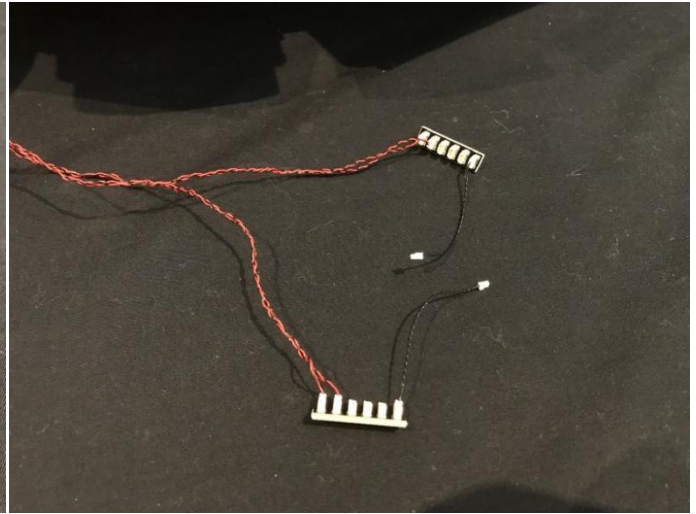
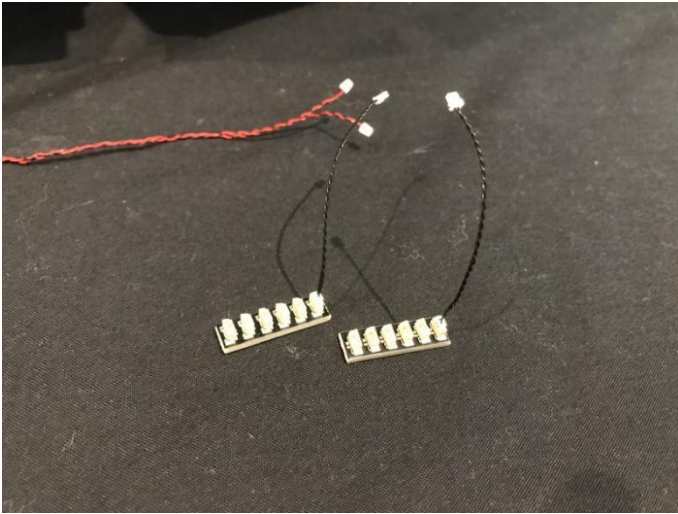
138. Reconnect the 2 cannons with lights back to the cannon base (this time top right and bottom left) and then wind the 2 cables around each other just like we did for the previous 2 cables.



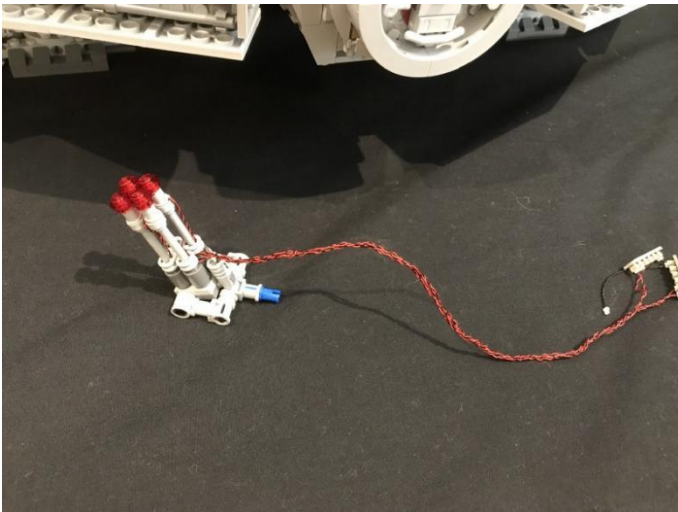
139



140. 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.



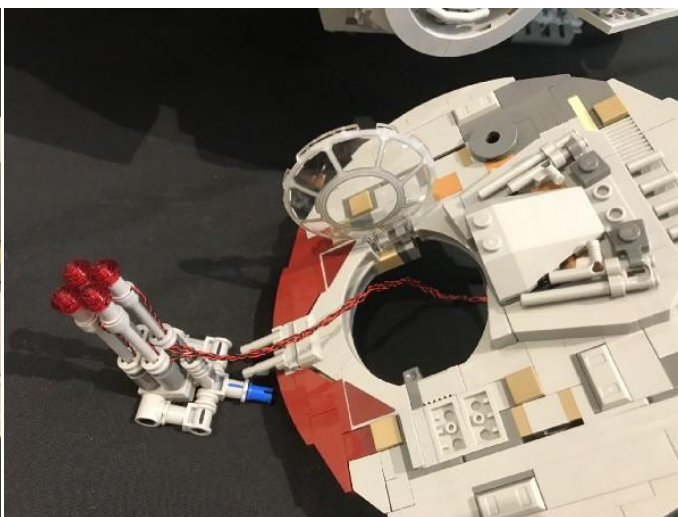
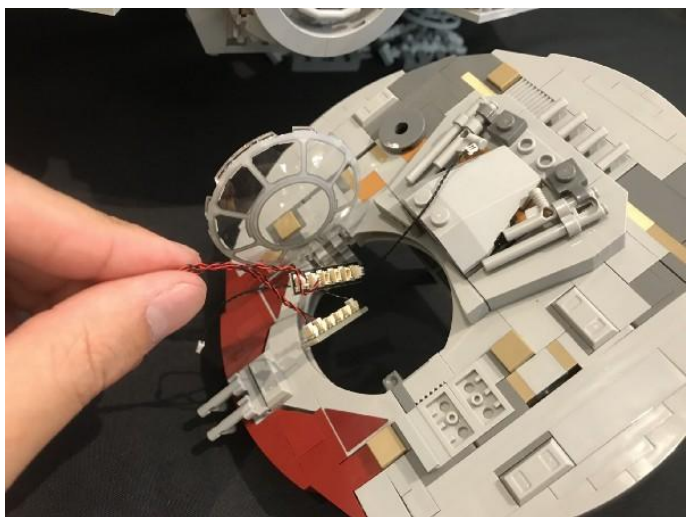
141. Wind all the cables around each other from top to bottom forming one larger cable.



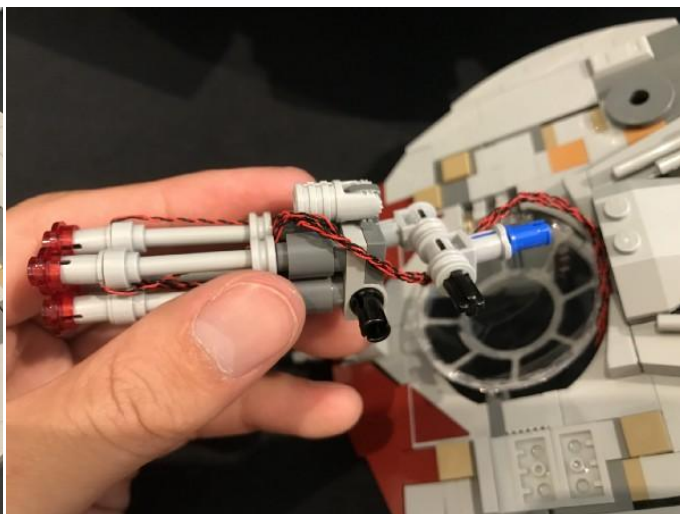
142. Take the round roof section, open the window and then thread the expansion boards and rest of the cable through the top. Thread the cable all the way through.



143



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



145



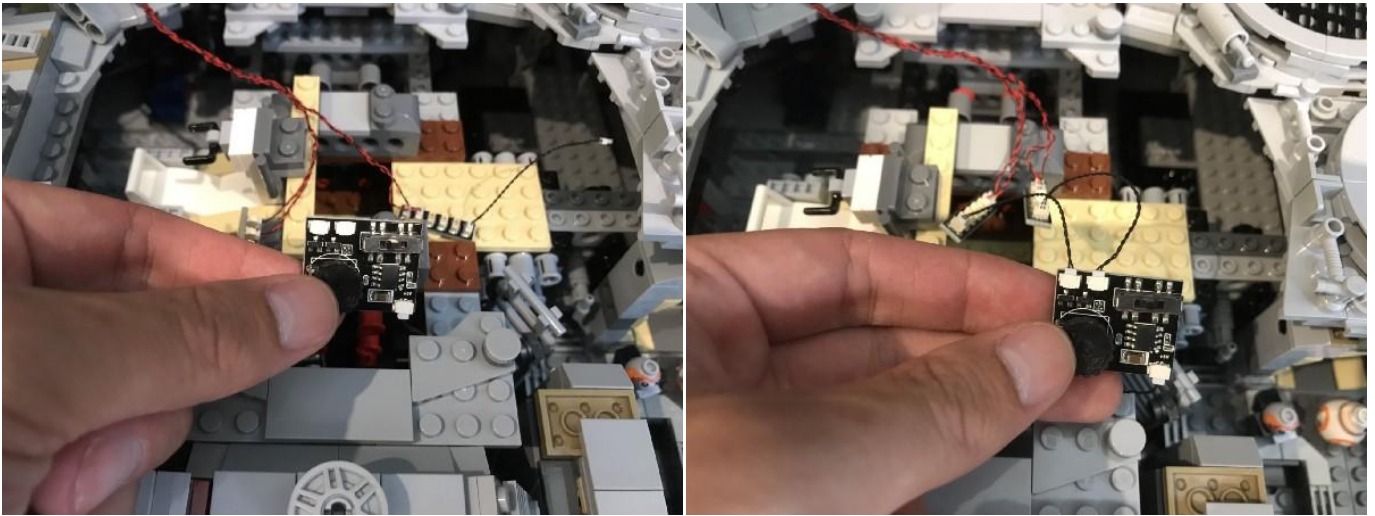
146.Note: if you decide that it is more visually appealing to leave the trans red pieces off, you can simply remove them so they look more like the original set.



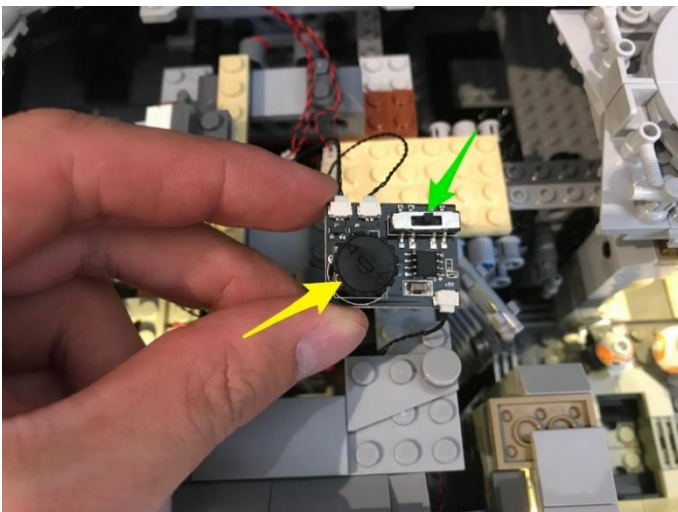
147.Place the upper cannon section on the roof of the falcon but do not reconnect it just yet.



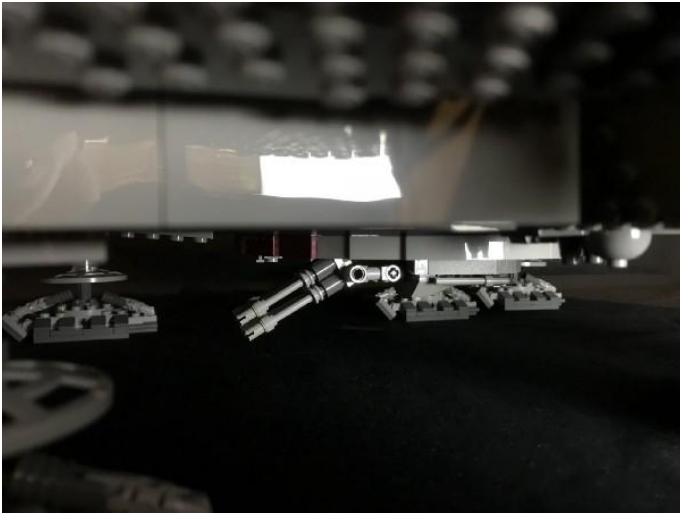
148. Connect the ends of each 5cm cable from the each expansion board into each output port of the Multi Effects Board we connected in step 21.



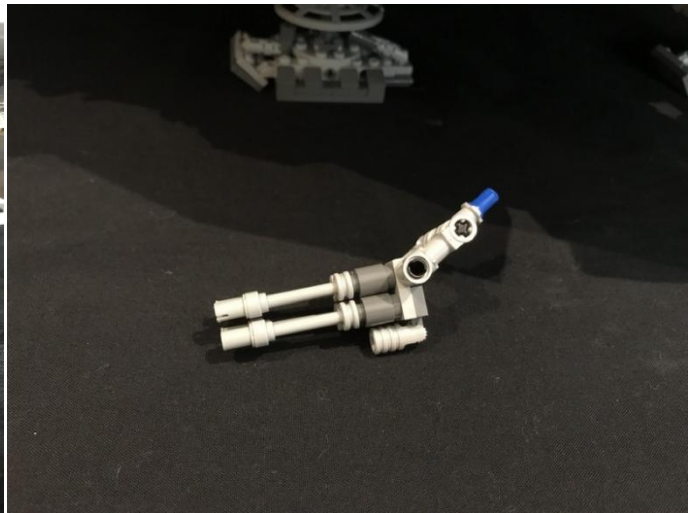
149. We now need to setup the chosen effect on the Multi Effects Board. First turn on the Battery Pack and then set the switch on the multi effects board to the middle (we will be using the emergency effect to display as the shooting canon effect). Turn the effect dial all the way to the left for the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



150. 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.



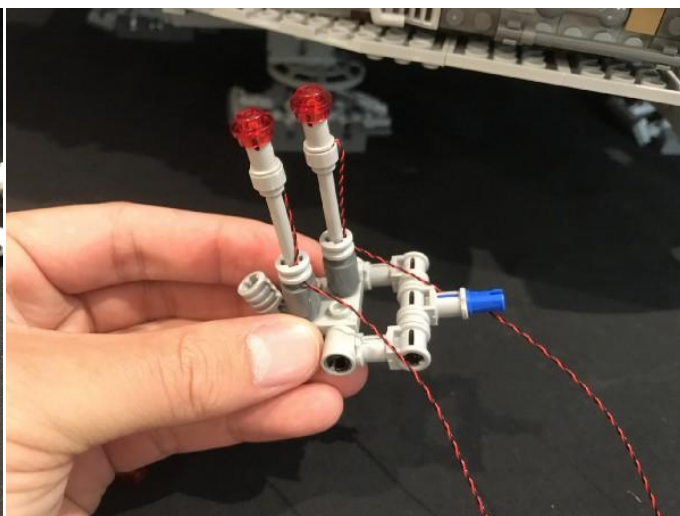
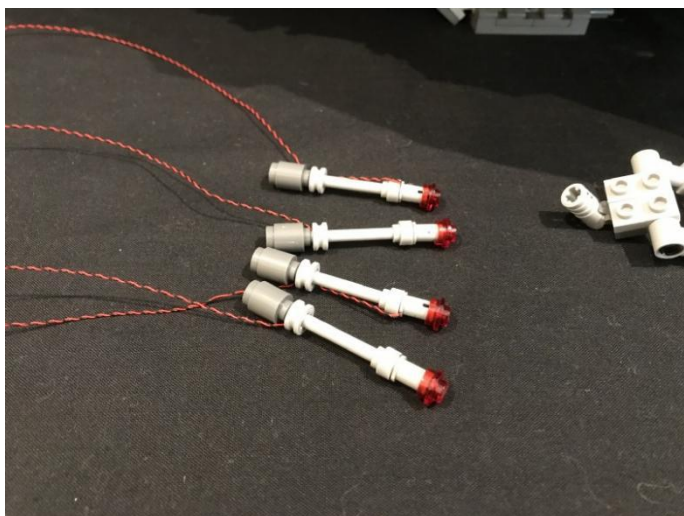
151



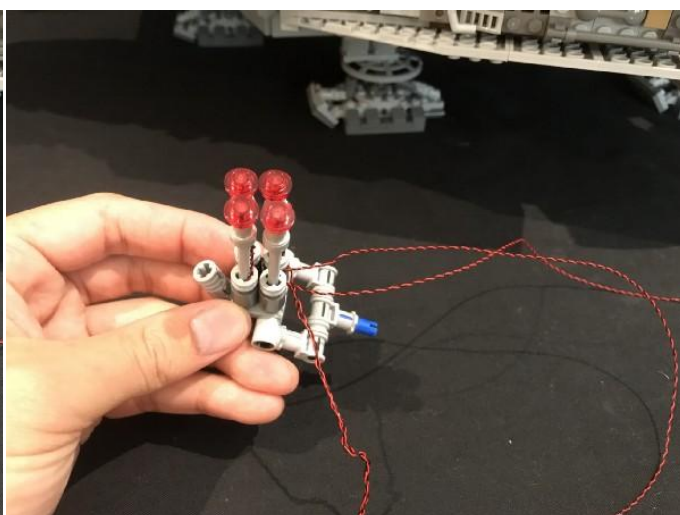
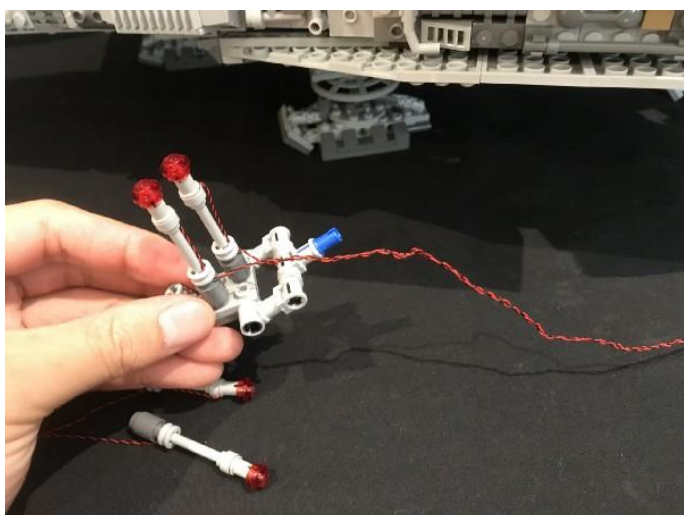
152



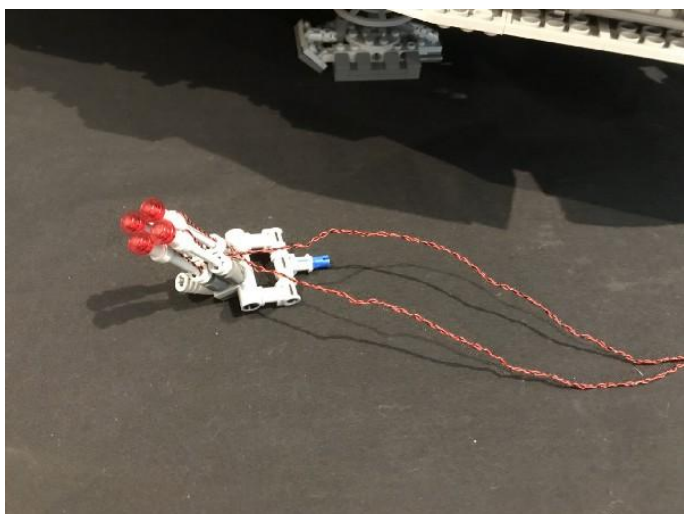
153. Repeat steps 32–37 to install another 4x Red 30cm Dot Lights to the 4 lower canons using the provided Trans Red 1x1 Round Plates.



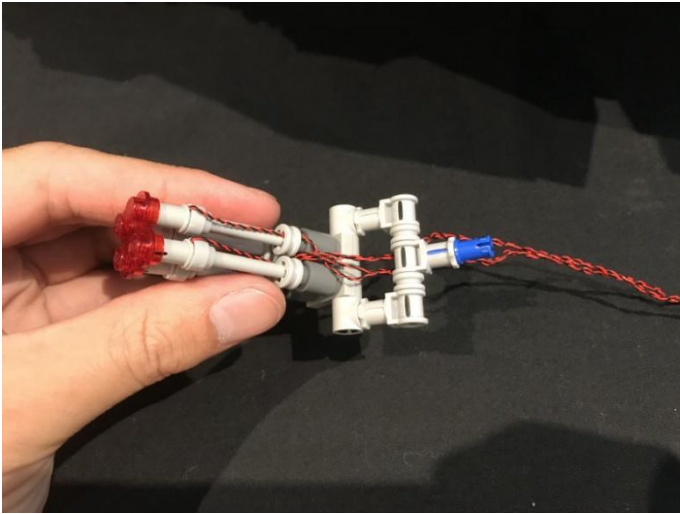
154



155



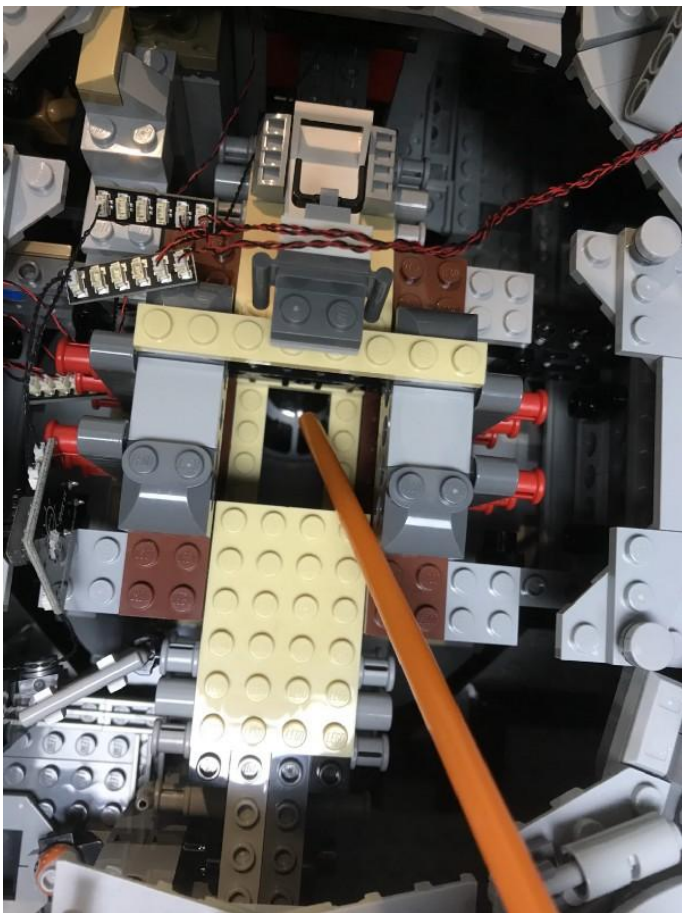
156. Wind all the cables around each other from top to bottom forming one larger cable and then thread the cable into the space in the middle of the canon base.



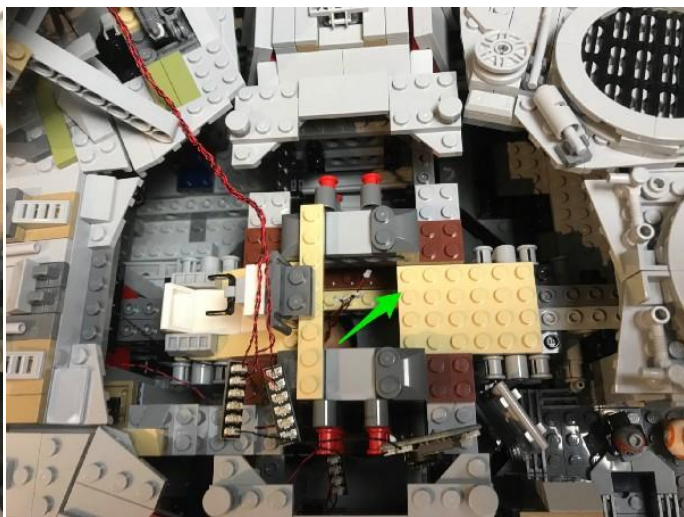
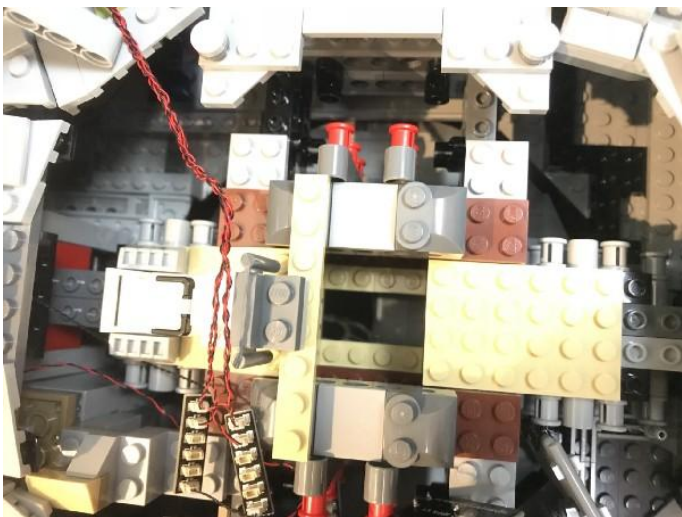
157. From the top of the Millennium Falcon use a long stick/straw/pen to push down to open the round glass piece then feed up from underneath the large cable of Dot Light cables.



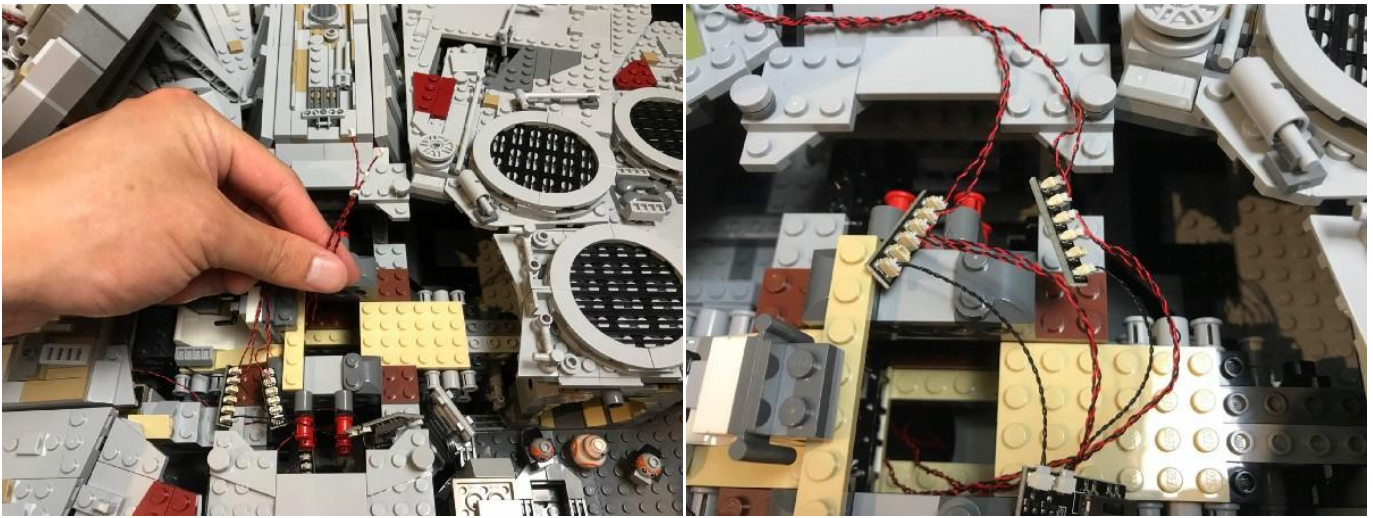
158



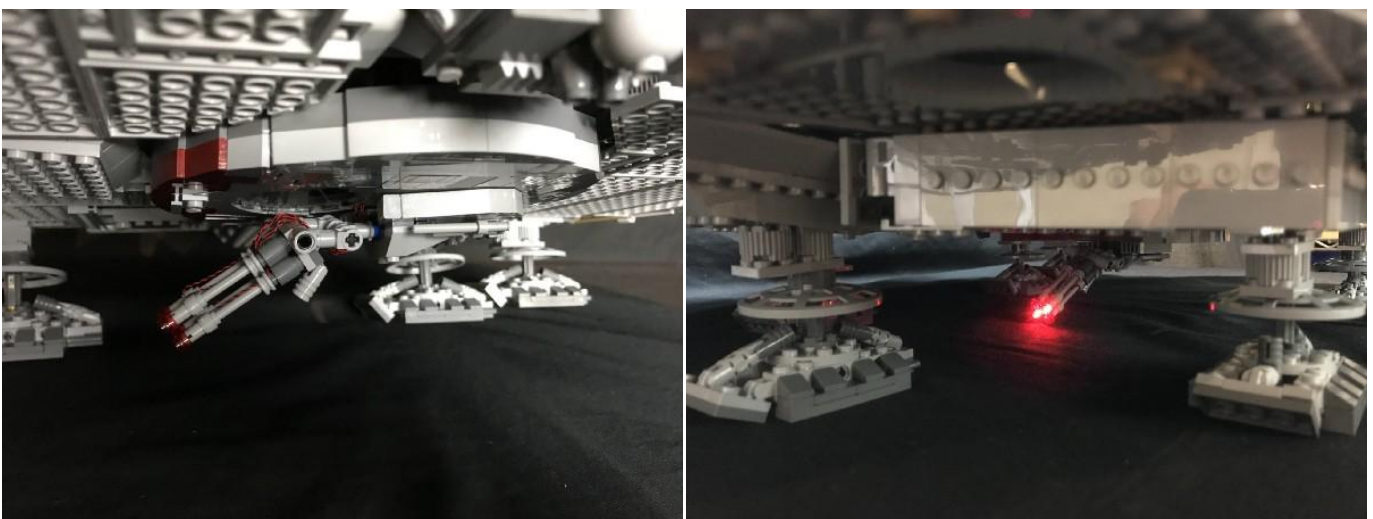
159



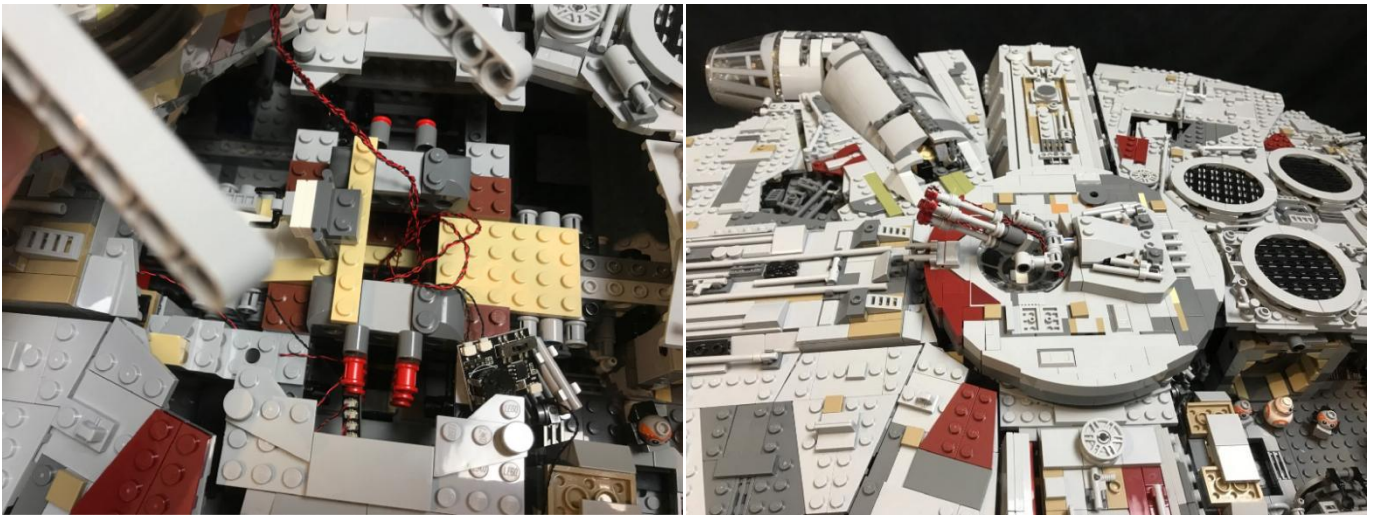
160. Pull the cables up from the below opened window and then connect 2 of the cables to each 6-port expansion board. We need to ensure that 2 cables from the top left and bottom right cannons are connected to one expansion board and the other cables from the top right and bottom left cannons are connected to the other expansion board. Turn the battery pack on to verify/adjust accordingly.



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



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



163



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

