

## Tantive IV™ – 75244 Lighting Kit

### Package contents:

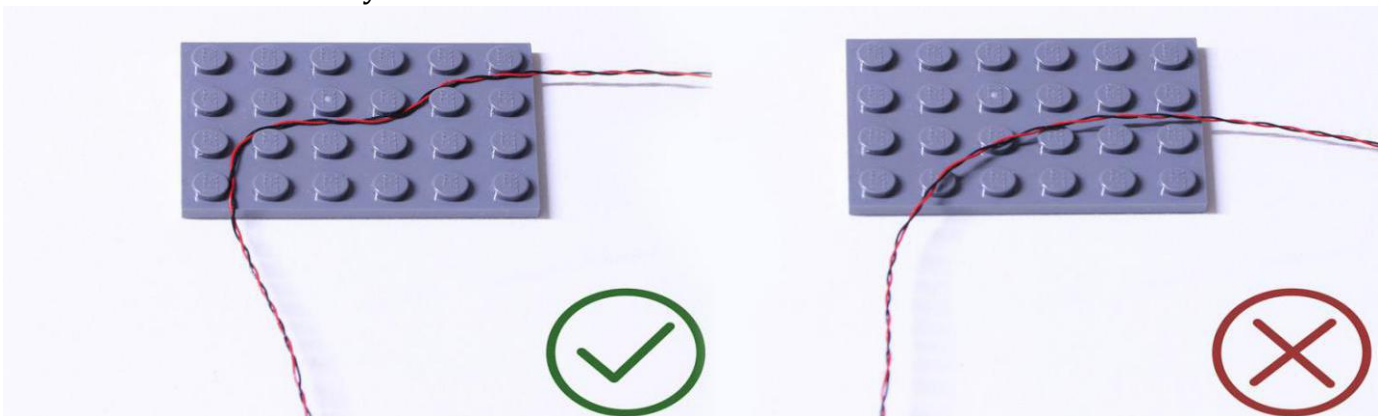
- 11 x 30cm Warm White Dot Lights
- 1 x 15cm Blue Dot Light
- 2 x 30cm Blue Dot Lights
- 4 x 15cm Flashing Red Dot Lights
- 1 x White Strip Light
- 3 x Blue Strip Lights
- 2 x 5cm Connecting Cables
- 3 x 15cm Connecting Cables
- 2 x 30cm Connecting Cables
- 1 x 6-port Expansion Board
- 1 x 8-port Expansion Board
- 1 x 12-port Expansion Board
- 1 x Flicker Effects Board
- 1 x AA Battery Pack

Extra LEGO pieces

### Note:

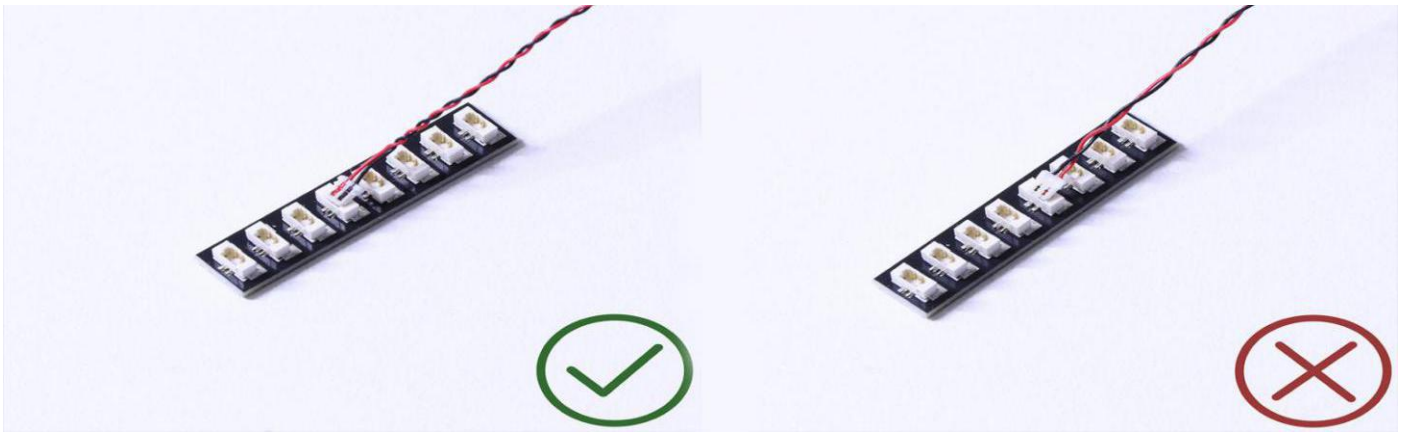
Place wires on the surface or under the LEGO building blocks.

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

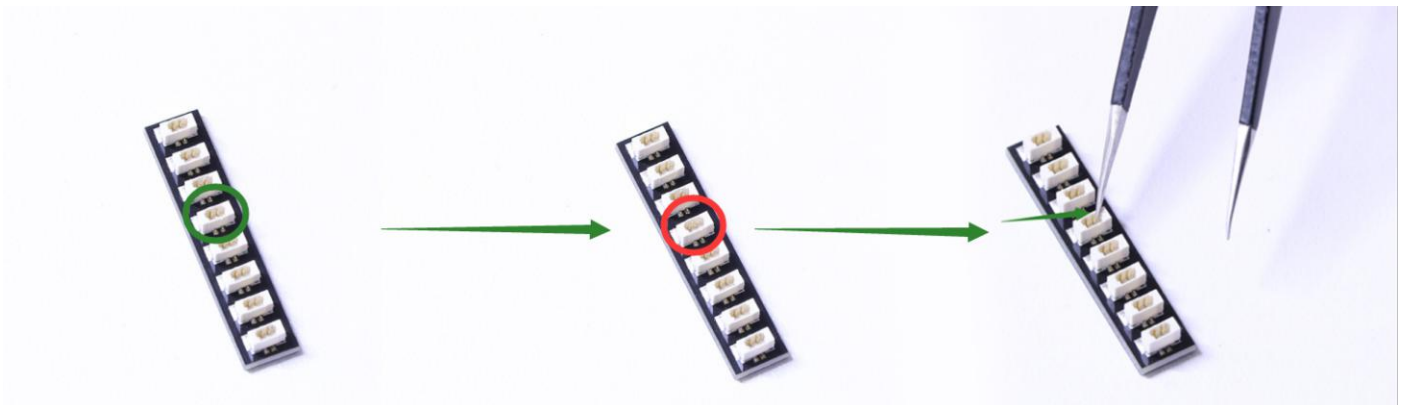


Insert the connectors to the ports.

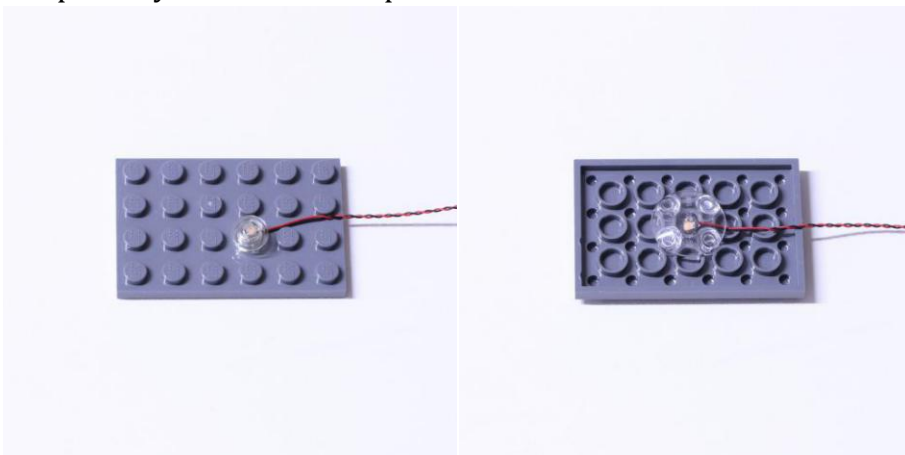
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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



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

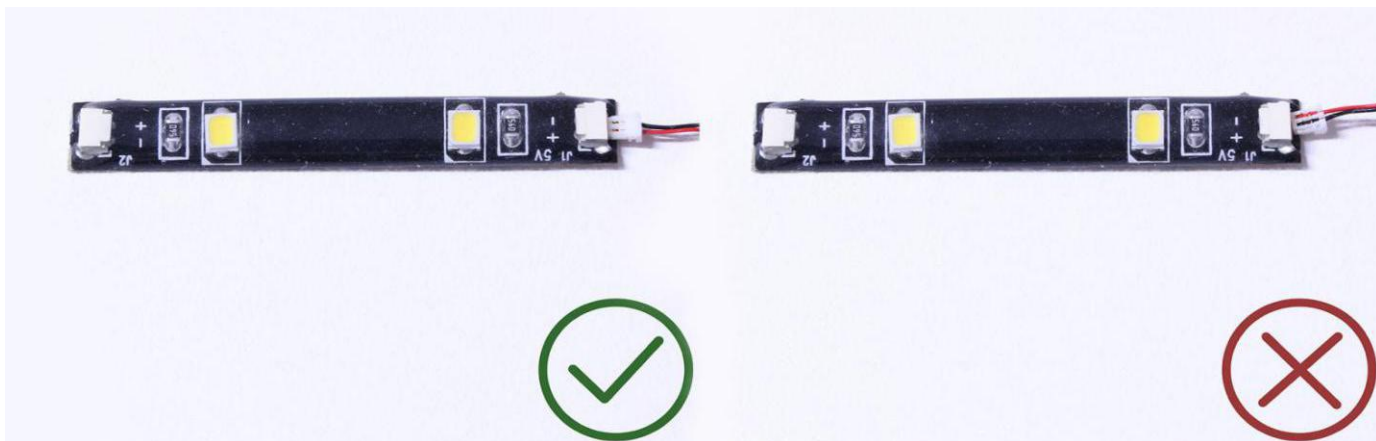


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

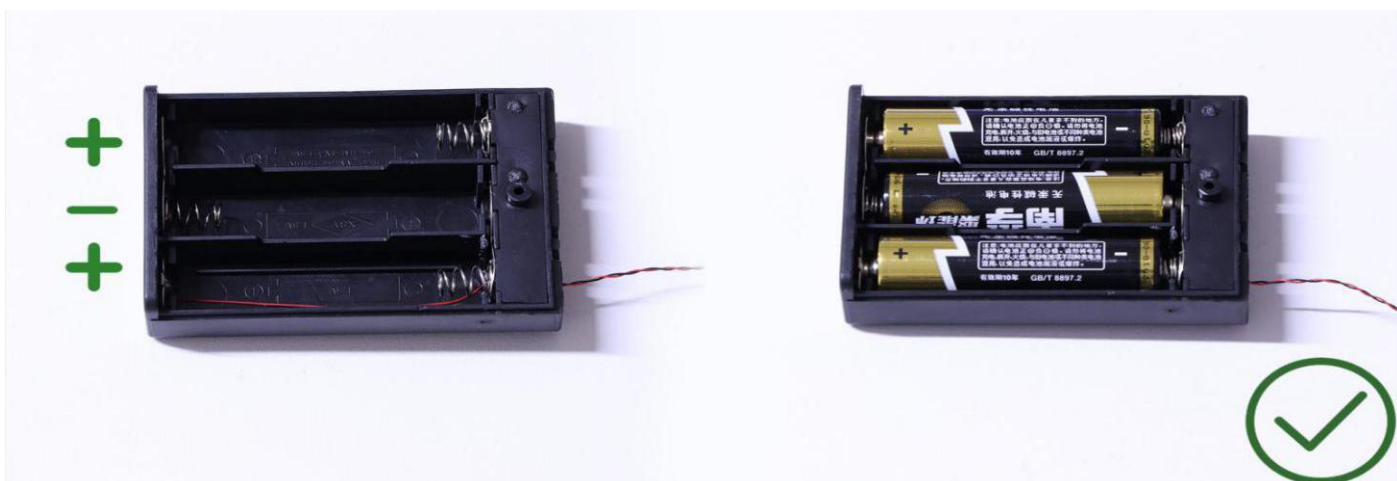


## Connecting cable connectors to Strip Lights

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



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

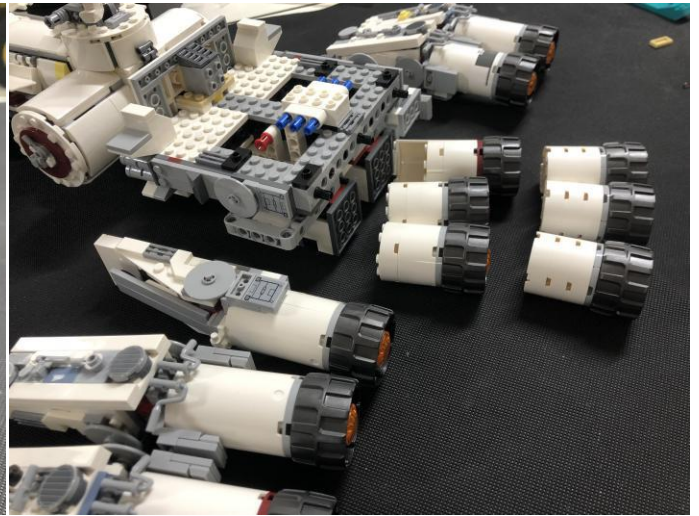
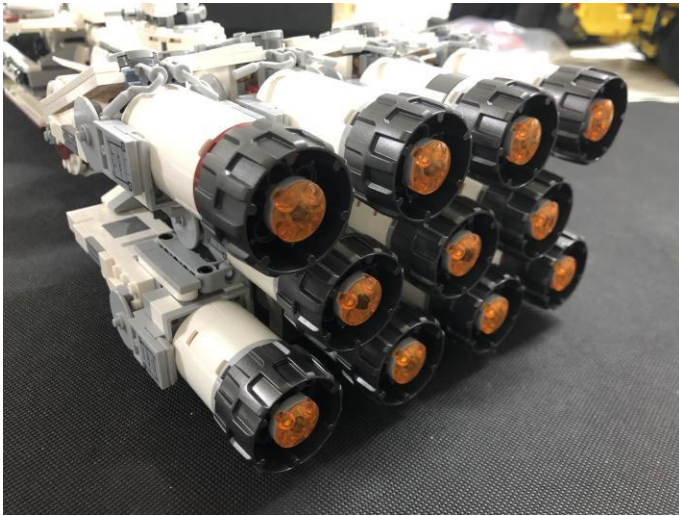




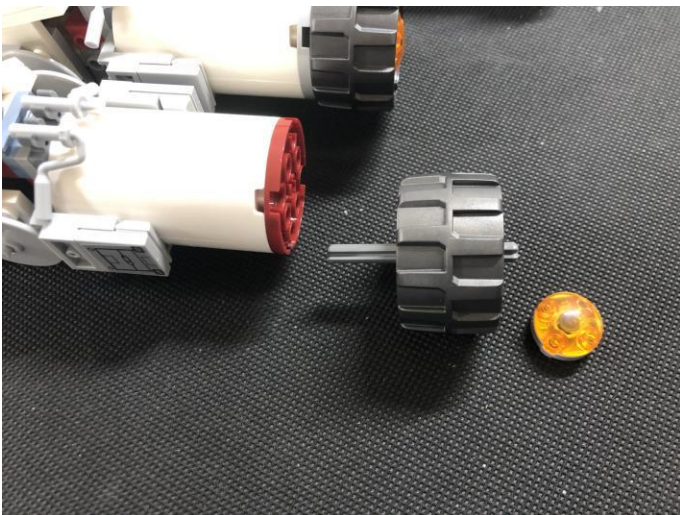
## Instructions for installing this kit

OK, Let' s Begin!

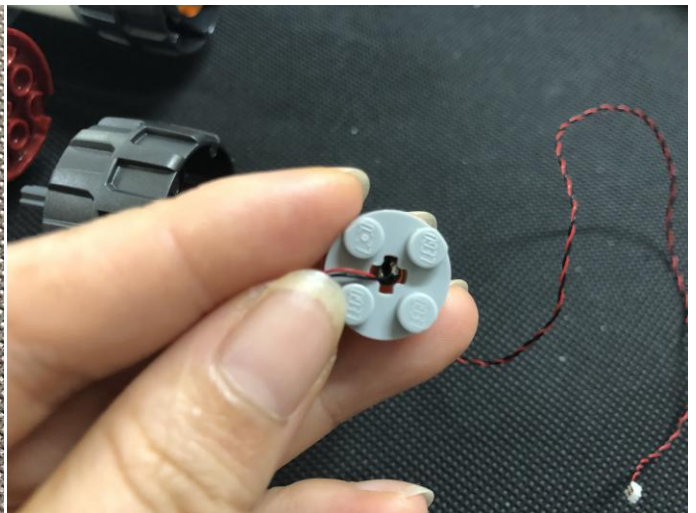
Start from installing lights for the tail of the spaceship. Remove the following propellers from the rear.



(Start with any of those propellers)

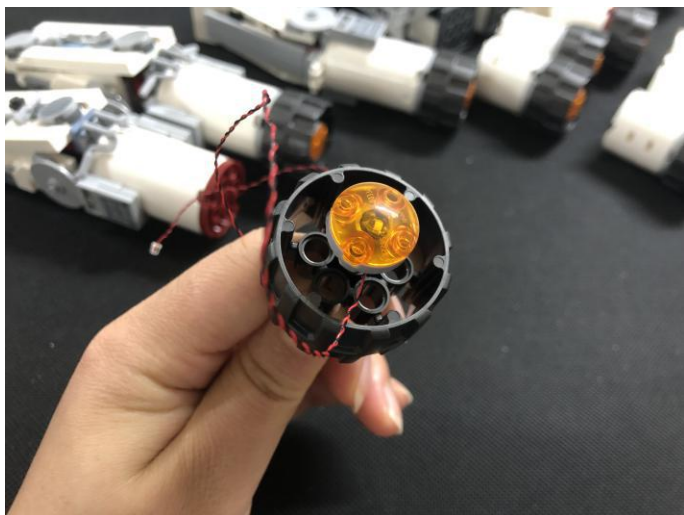


Take a warm white 30cm dot light, with lighting part facing the trans orange piece, connect it to the following piece

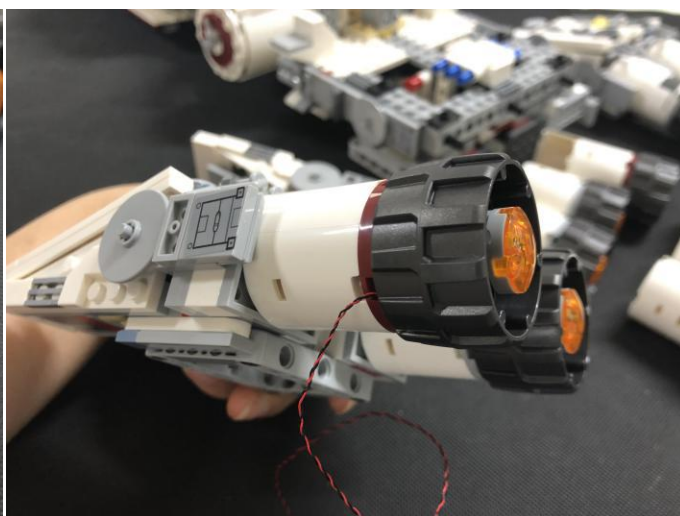


Reconnect the other pieces

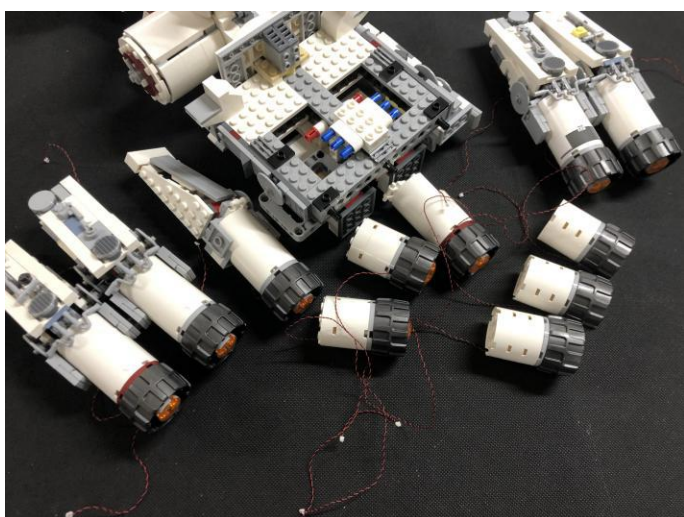




Thread the cable through the black hole before reconnecting the black piece



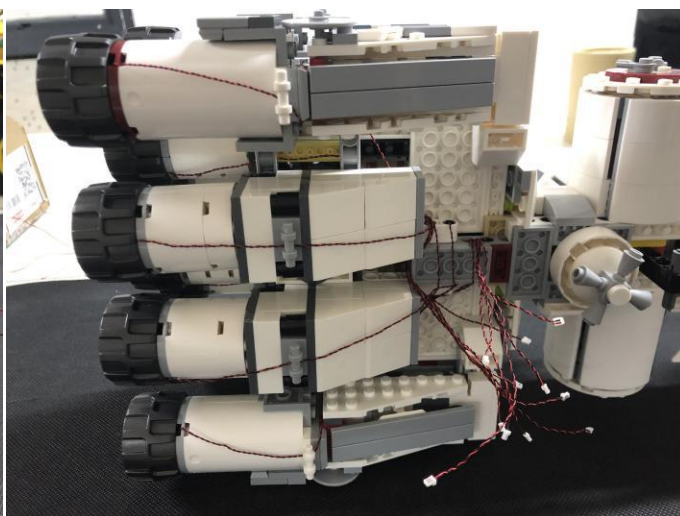
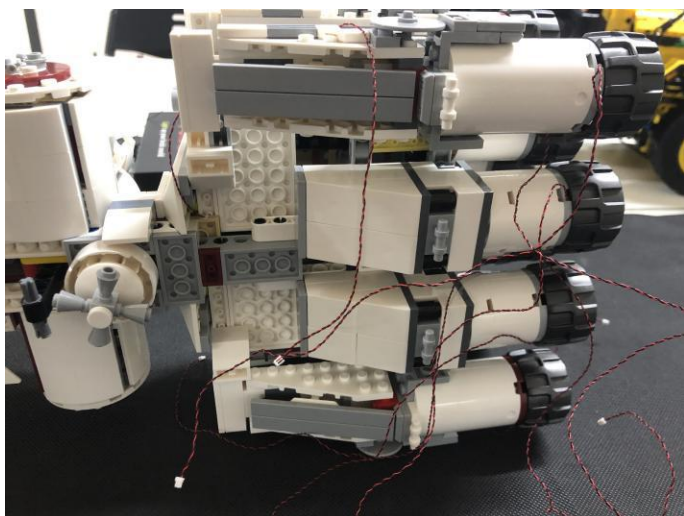
Take 10 warm white 30cm dot lights, repeat the steps above to install lights for the other propellers



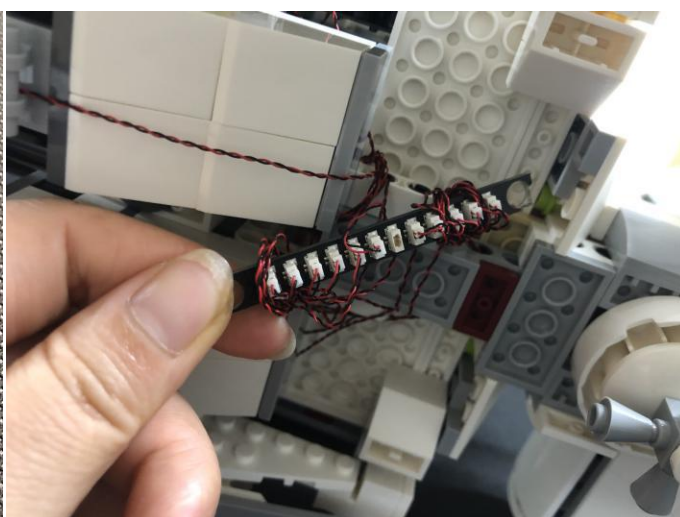
Reconnect the propellers with lights installed



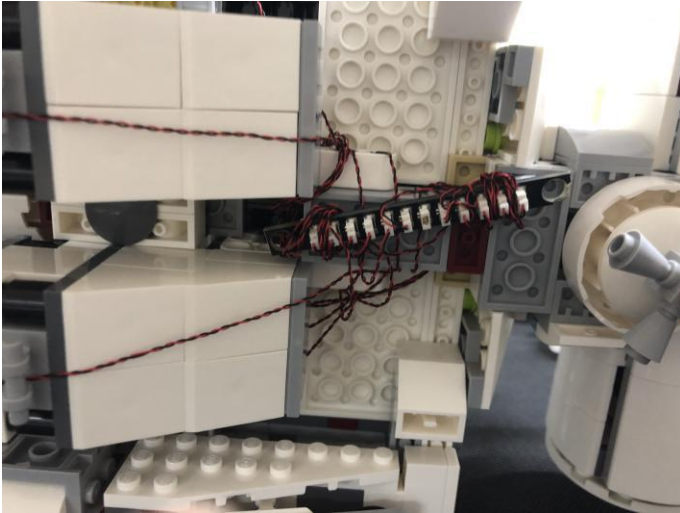
Hide the cables, pull them to the bottom of the spaceship



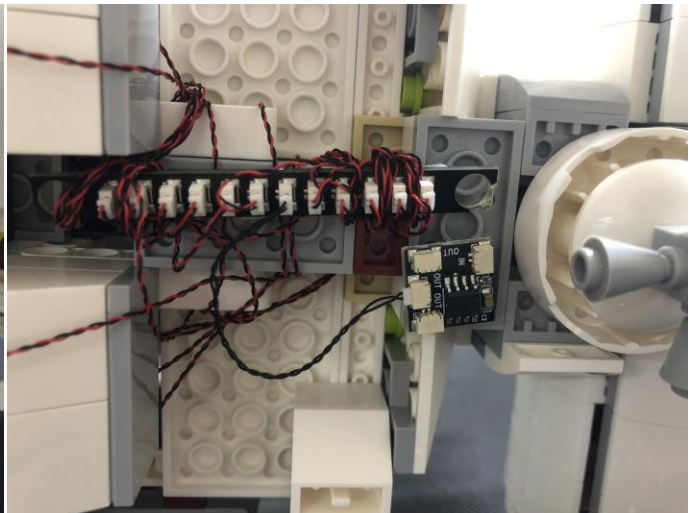
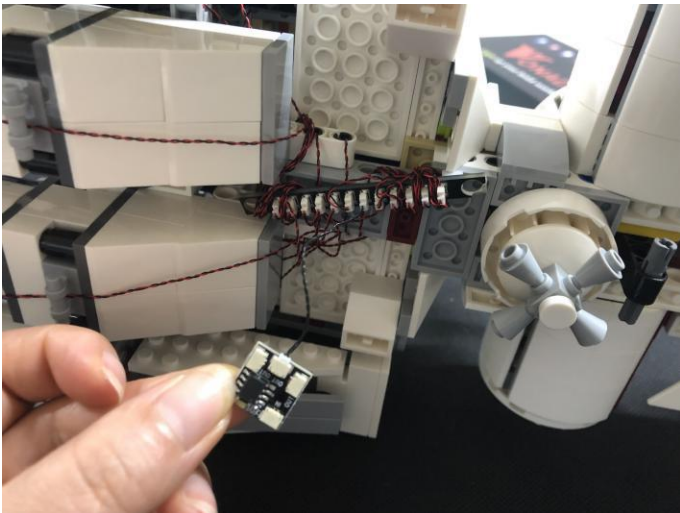
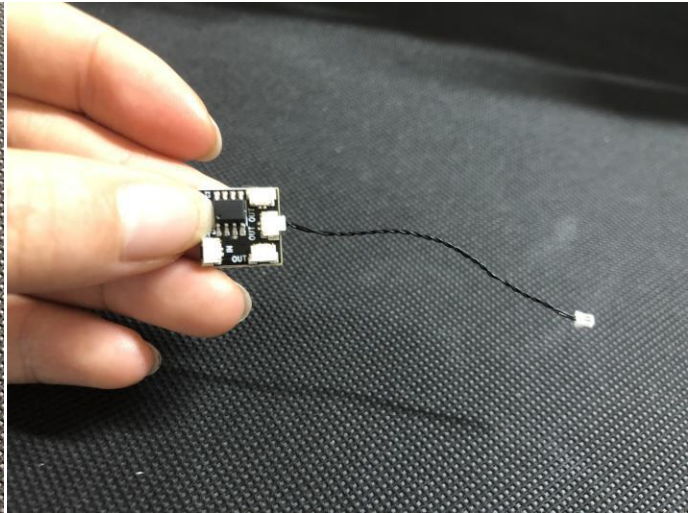
Take a 12-port expansion board, connect all the cables of the lights from the [propellers to the expansion board, stick the expansion board to the bottom of the spaceship







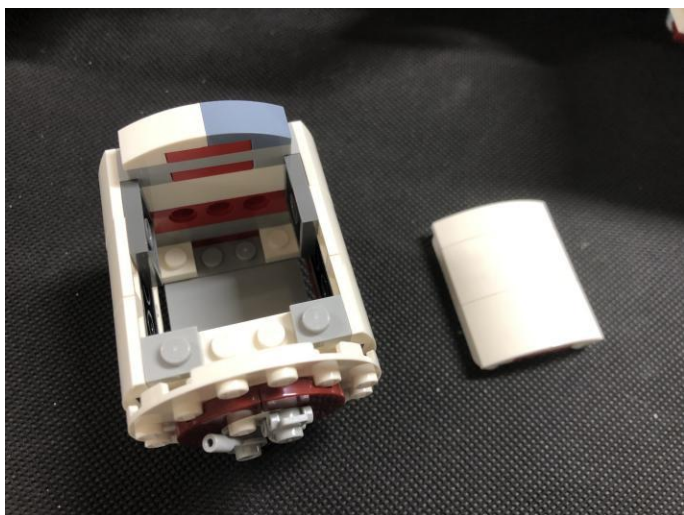
Take a 5cm connecting cable, a Flicker Effects Board, connect the cable to the Flicker Effects Board, connect the other end of the cable to the 12-port expansion board, stick the Flicker Effects Board to the bottom of the spaceship as per below



Turn the power on to test the current



Continue to install lights for the 2 cabins, remove the following pieces

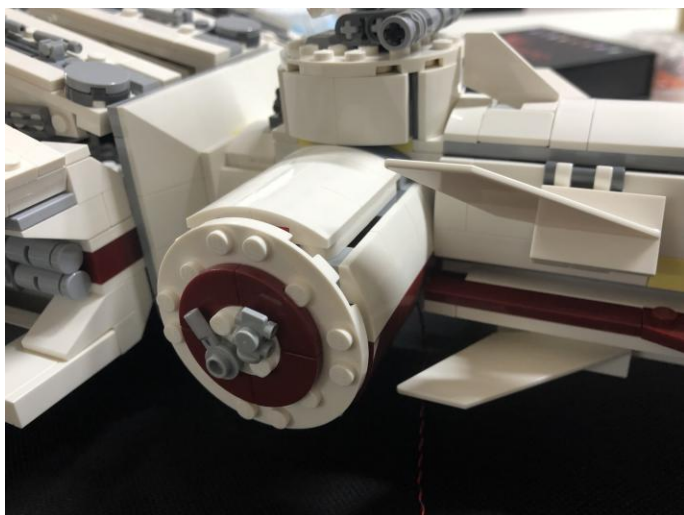
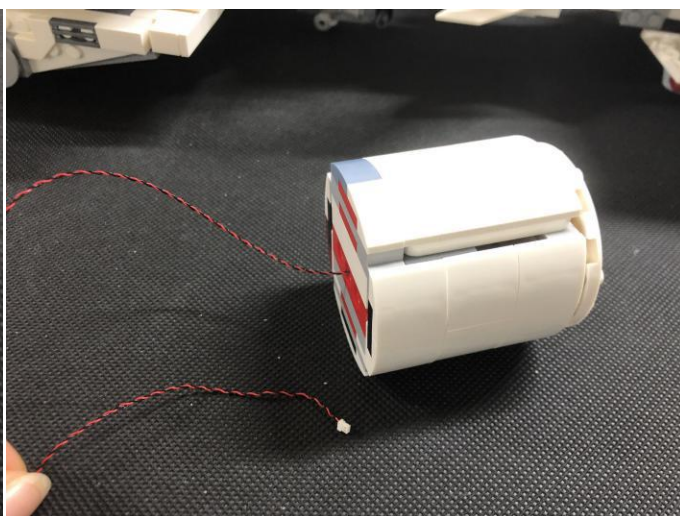
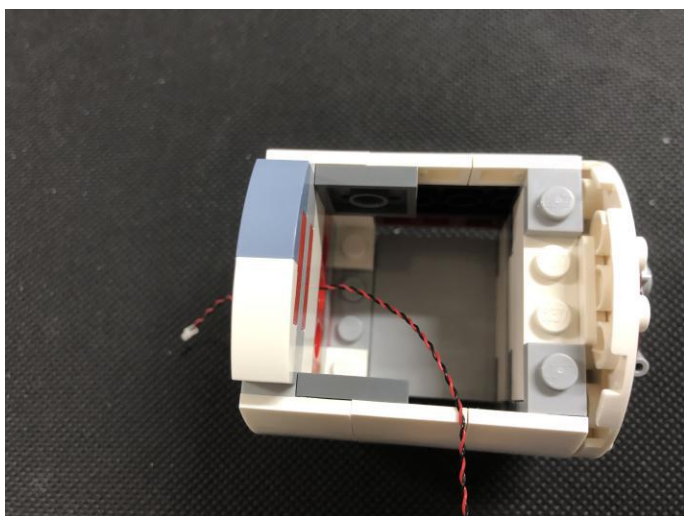


Take a blue 30cm dot light, a trans 2x2 piece, secure the light to the roof with the trans piece as per below

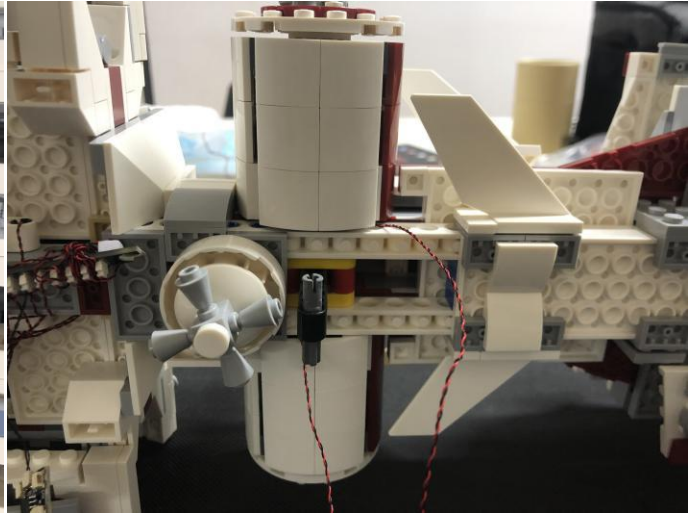
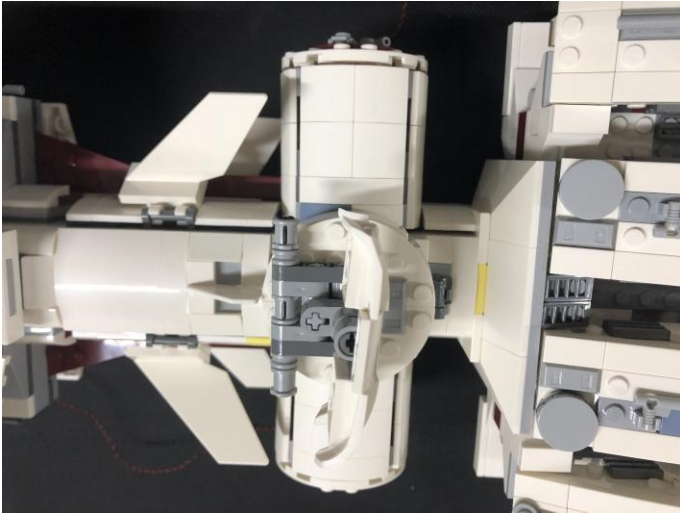




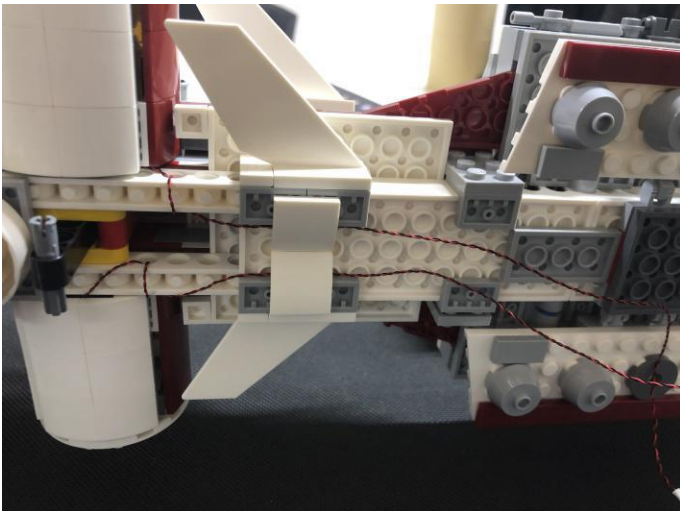
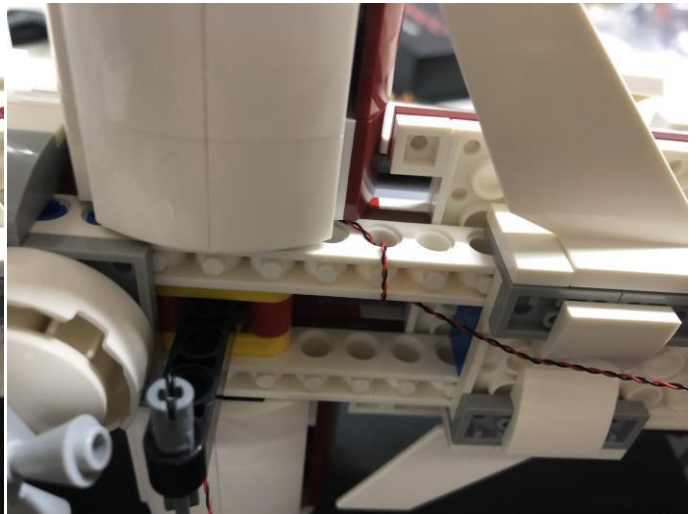
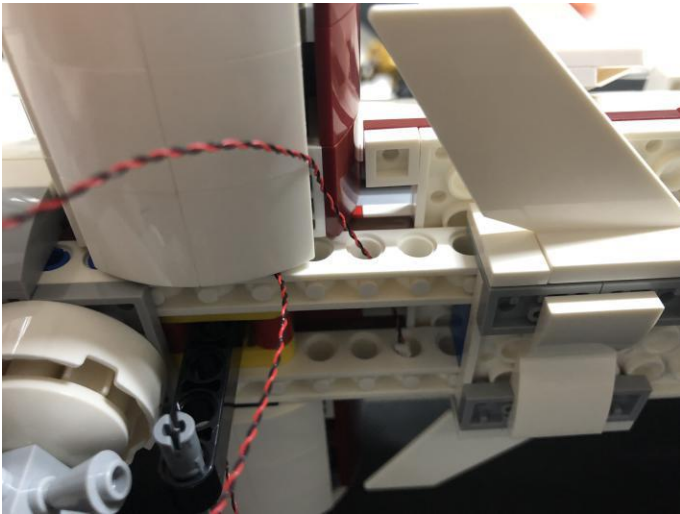
Thread the connector of the cable through the following hole on the wall, reconnect the roof



Take another blue 30cm dot light, a trans 2x2 piece, repeat the previous steps to install light for the other cabin  
Reconnect the pieces, pull the 2 cables to the bottom of the spaceship

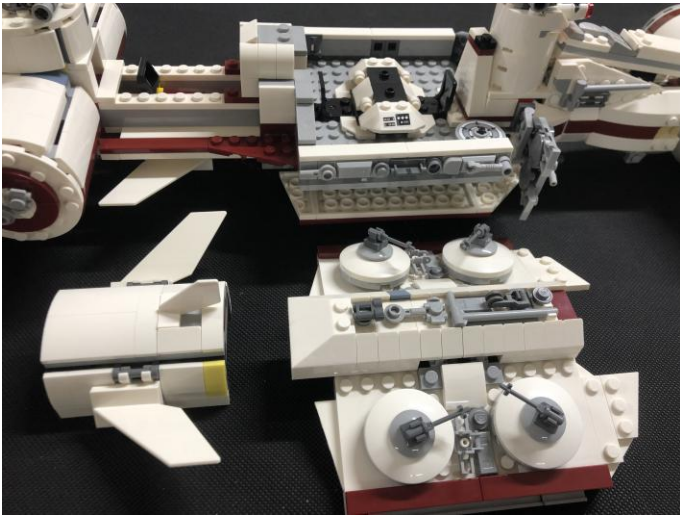


Thread the cables through the following holes



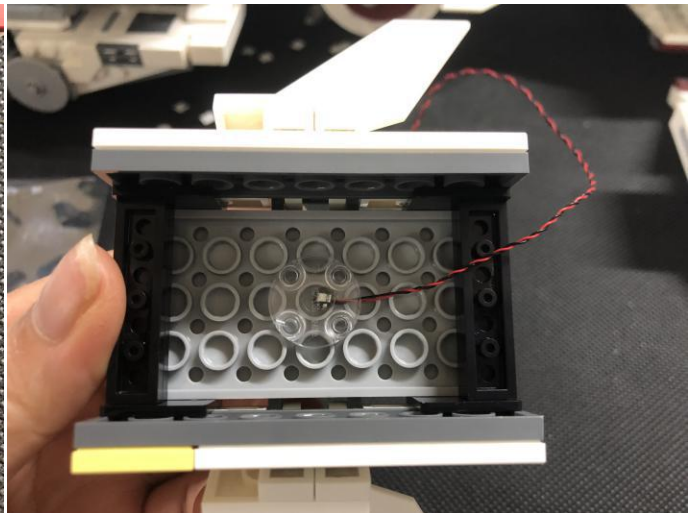
Now, we' ll install lights for the alleyway and the control room, remove the following pieces



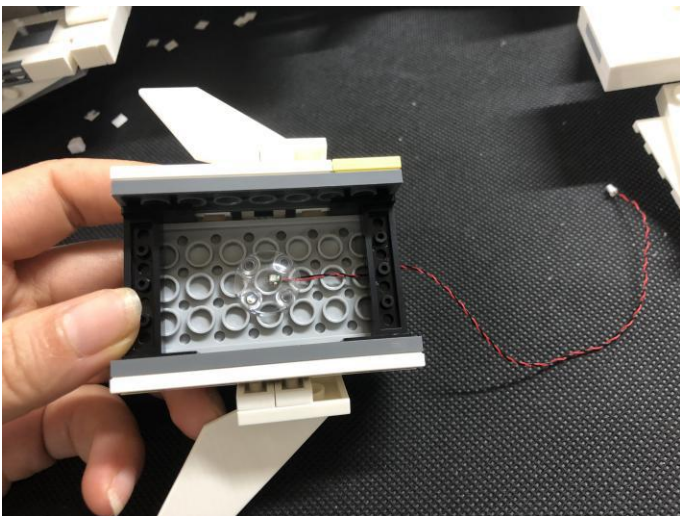


Begin with the lamp in the alleyway

Take a blue 15cm dot light, a 2x2 trans piece, secure the light with the trans piece as per below

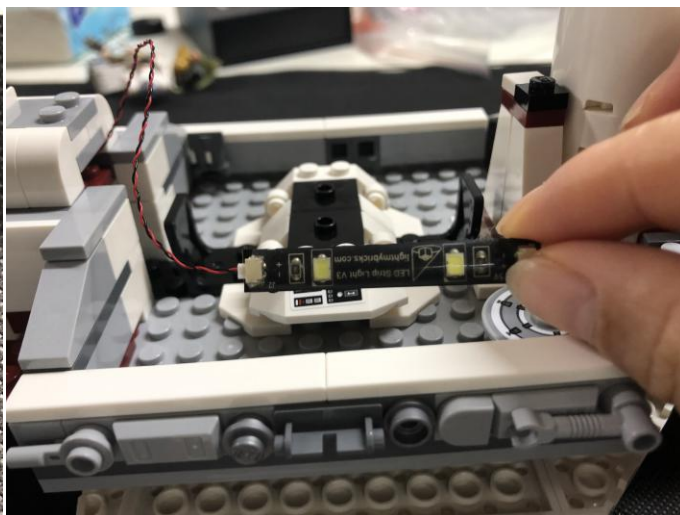


Secure the cable of the light with the following 1x4 black piece, thread the cable through the dark red piece over the corridor.

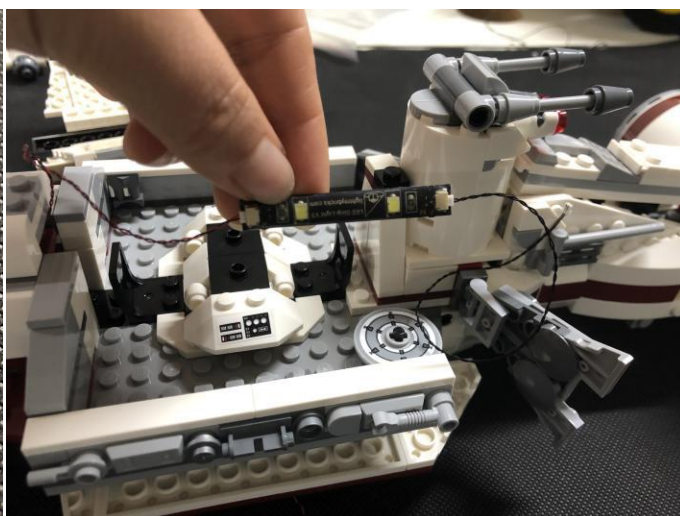


Take a white strip light, connect the cable of the corridor light to it

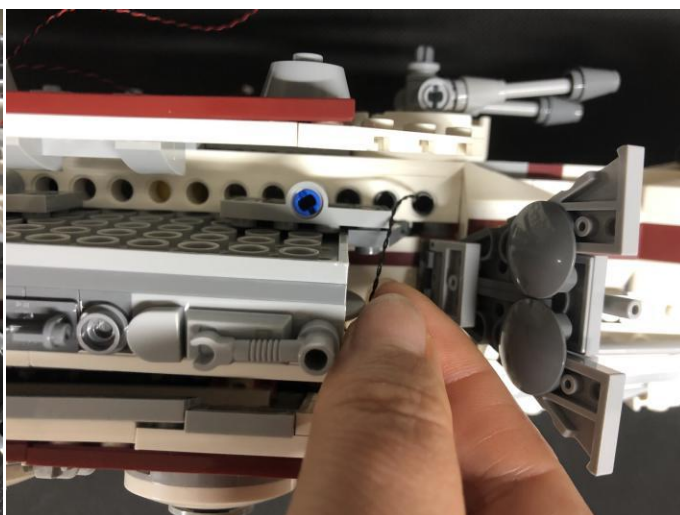




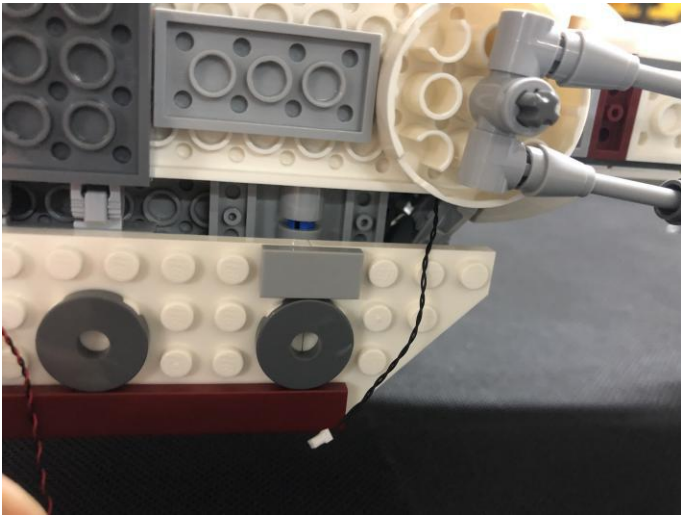
Take a 15cm connecting cable, connect it to the other port of the strip light



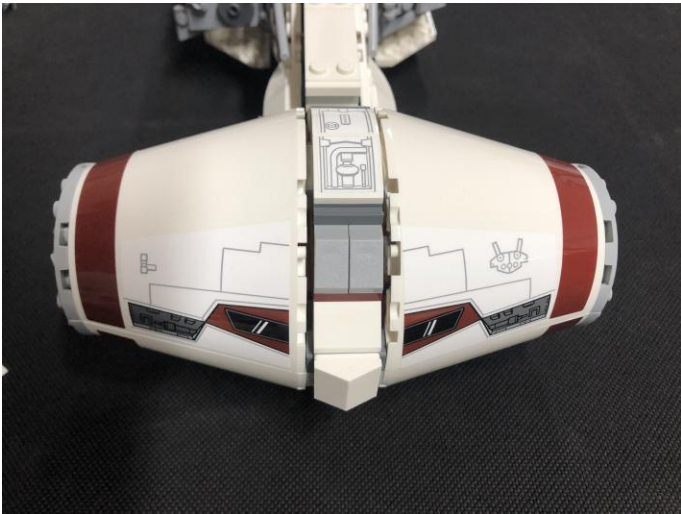
Reconnect the roof of the control room, thread the connecting cable through the first hole at the side, and pull it to the bottom of the spaceship



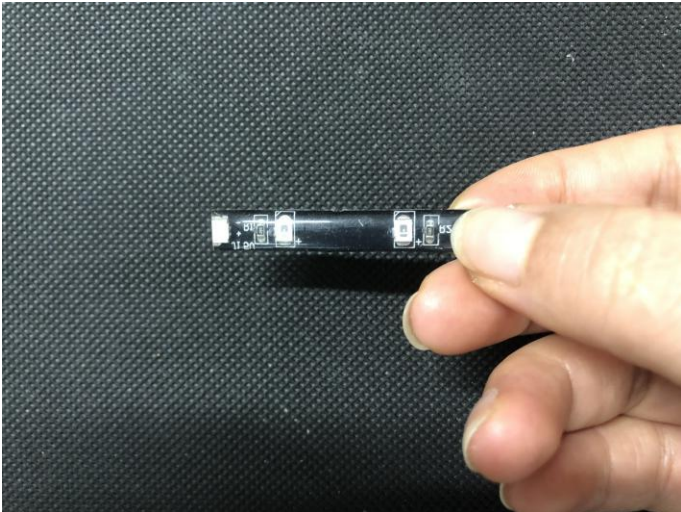




Move onto install lights for the head. Remove the following pieces



Take a blue strip light, a 30cm connecting cable.

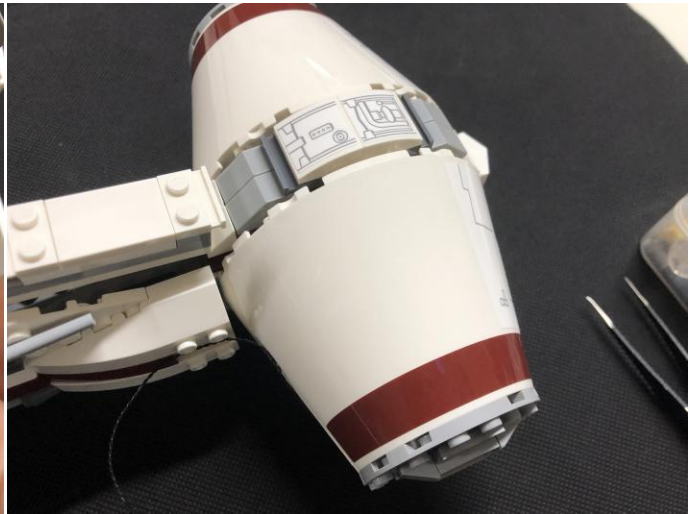
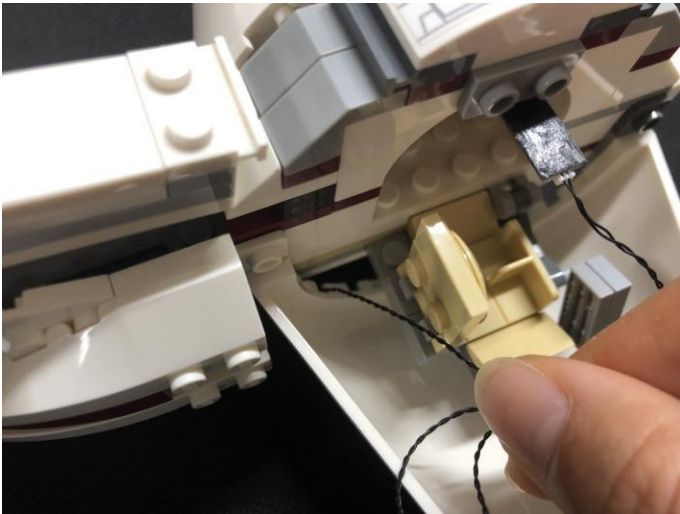


Connect the connecting cable to the strip light, stick the strip light to the middle of the roof as per below

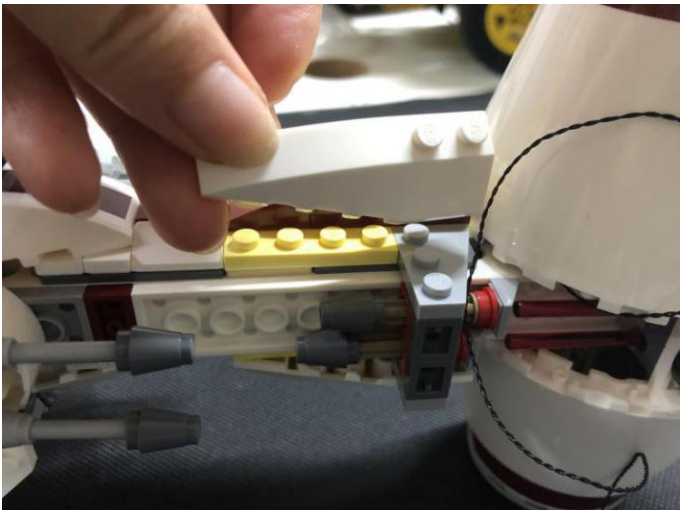




Thread the cable through the following gap, reconnect other pieces

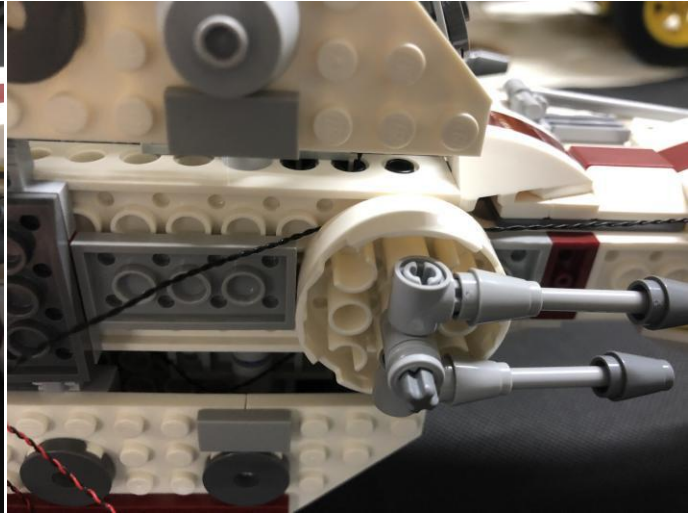
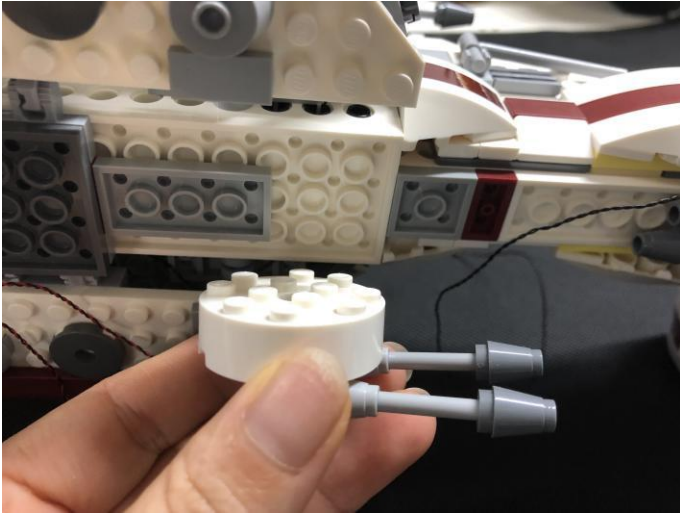


Remove the following pieces to secure the cable, and pull the cable to the bottom of the spaceship

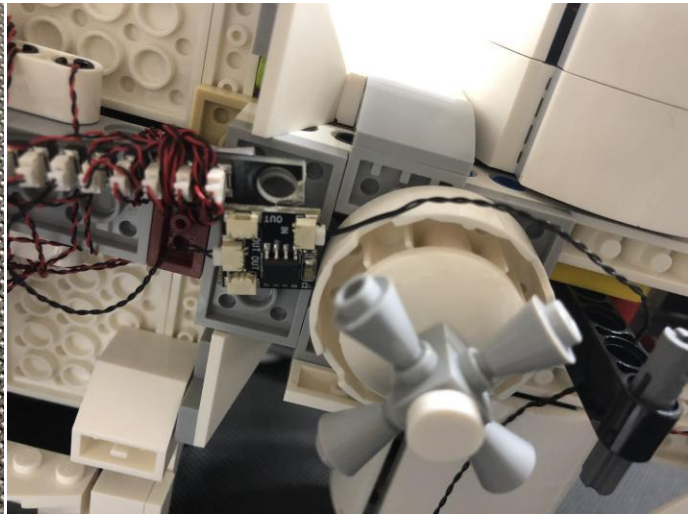


Remove the following pieces to secure the cable

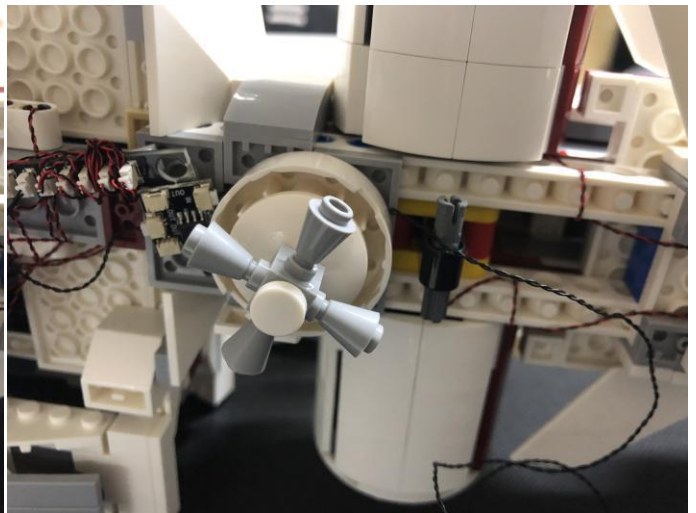
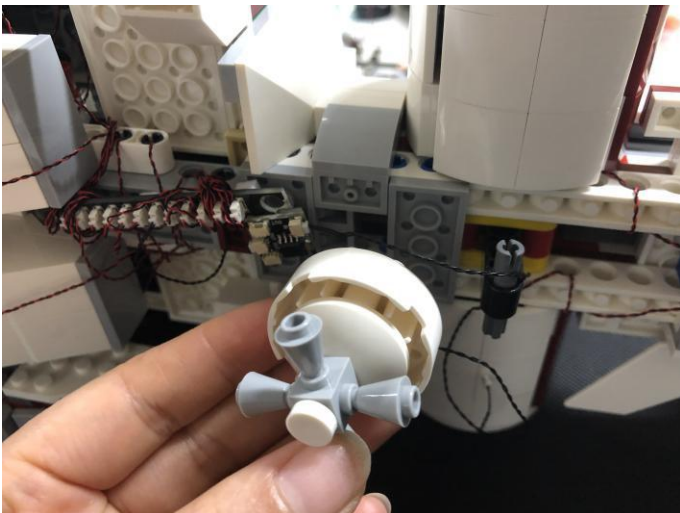




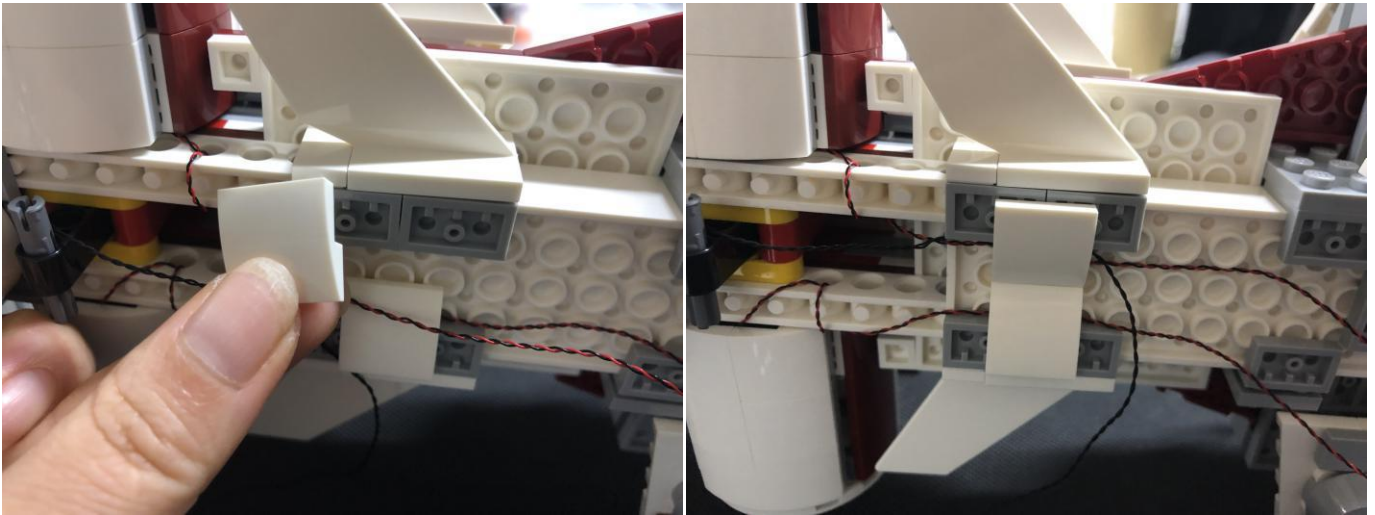
Take a 30cm connecting cable, connect it to the output port on the Flicker Effects Board



Remove the following pieces to place the cable as per below



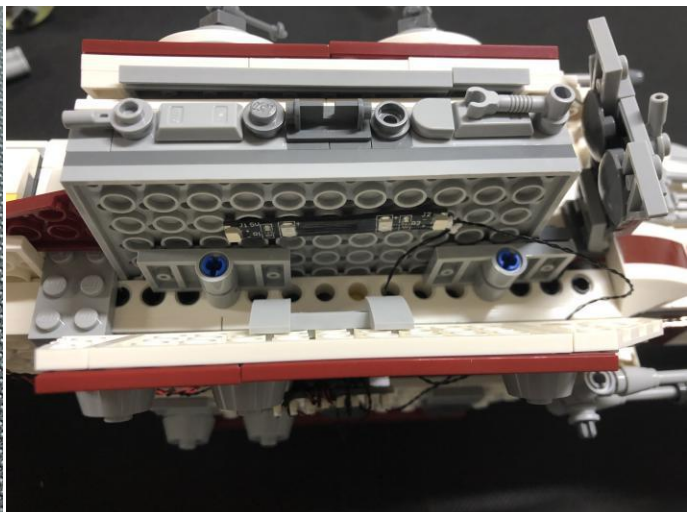
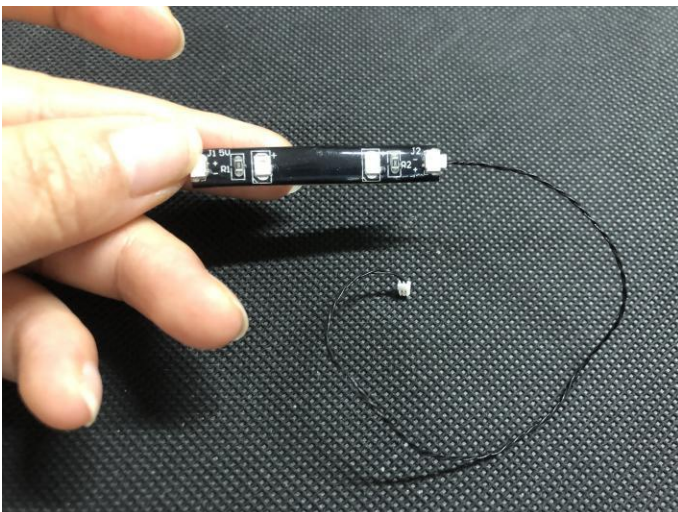




Take a blue strip light, a 15cm connecting cable

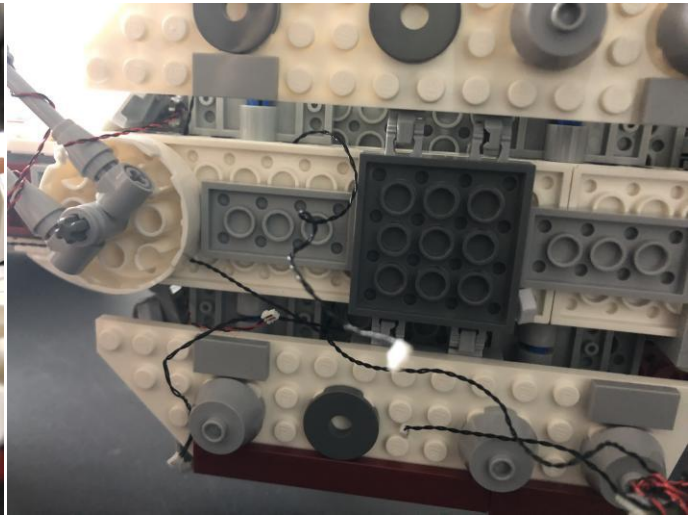


Connect the connecting cable to the strip light, stick the strip light to the following place underneath the control room

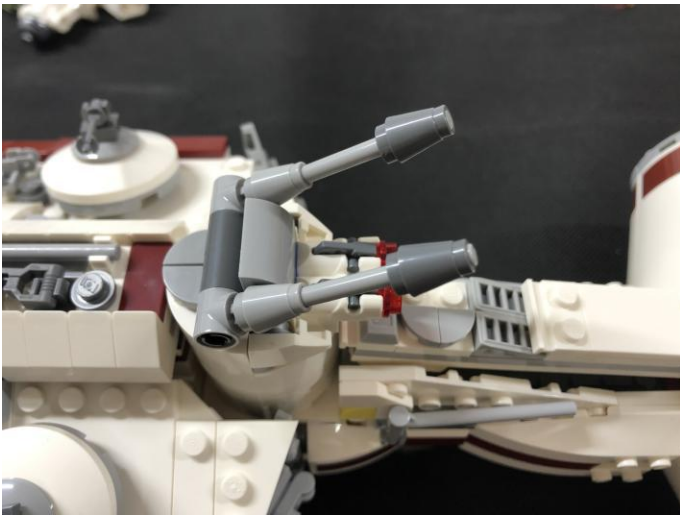


Thread the cable through the following hole, pull the cable to the bottom

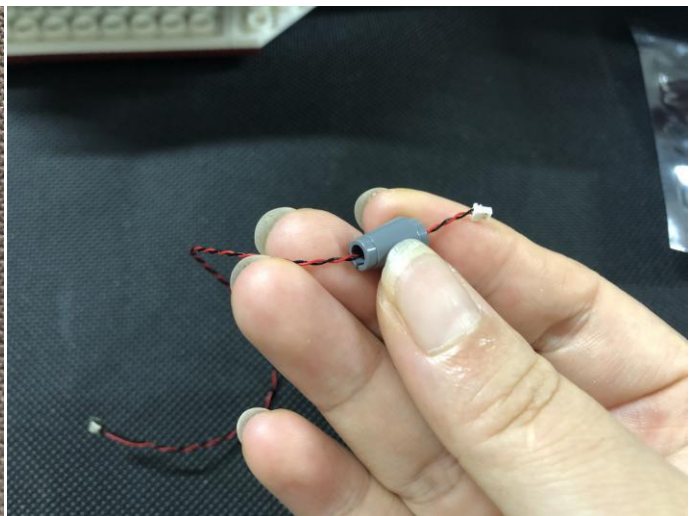




Take another blue strip light, a 15cm connecting cable, repeat the steps above to install light for the other side  
Continue to install light for the cannon



Take a red flashing dot light, a trans red 1x1 piece, thread the connector through the following gray piece

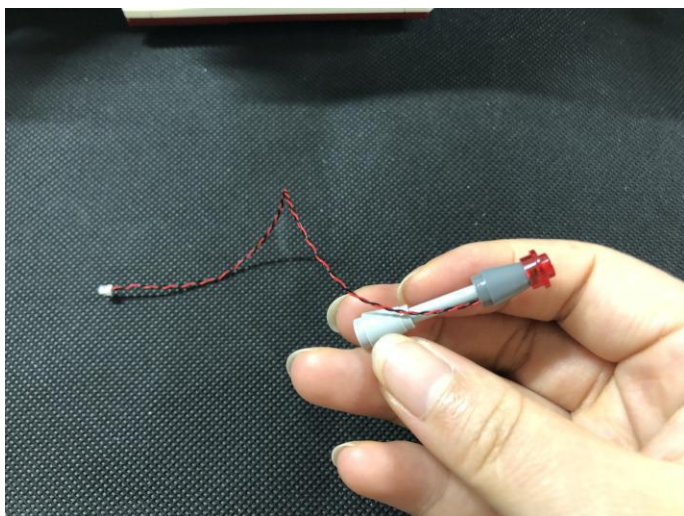


Pull the cable till the light is placed against the hole, secure the light with the trans red piece

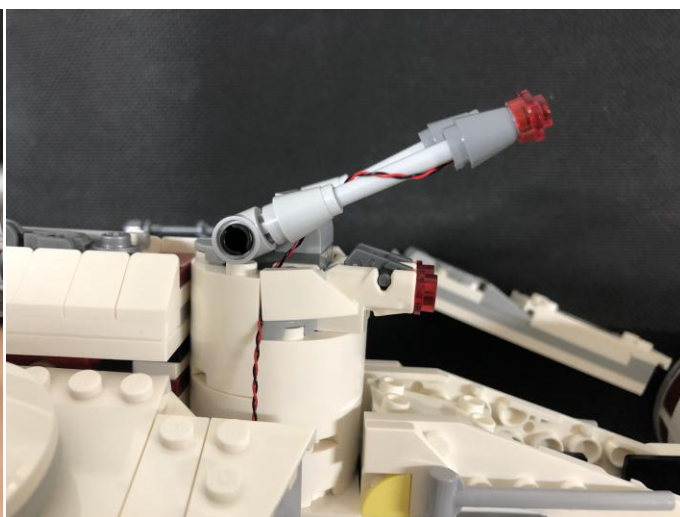
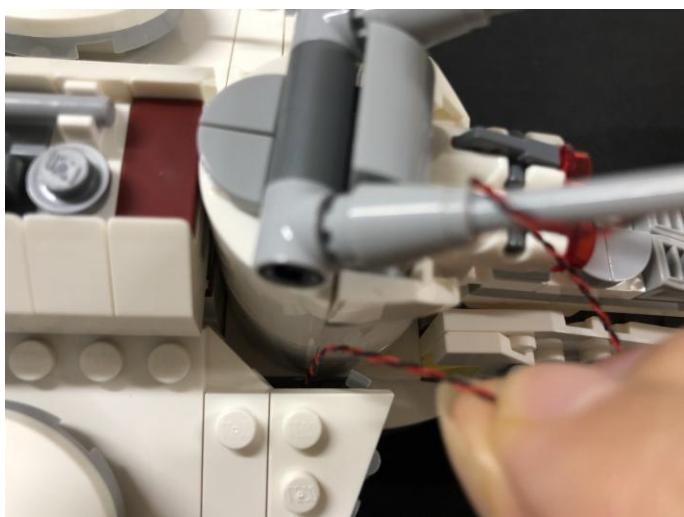




Reconnect the left pieces



Pull the cable along the side to the bottom, secure it with the following white piece



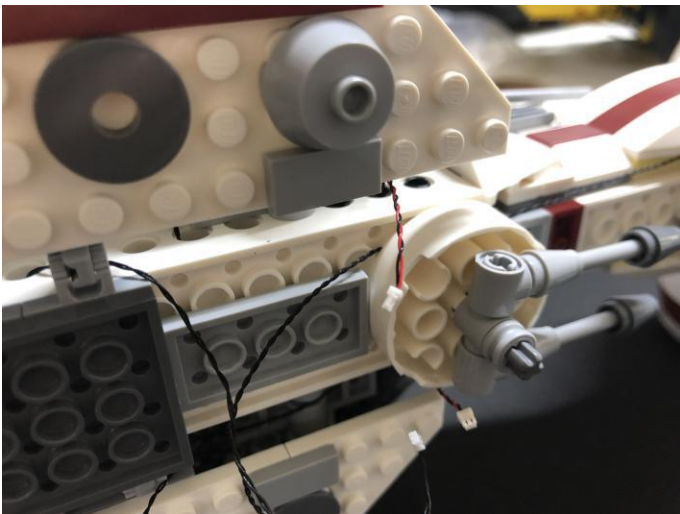
Take a red flashing dot light, a trans red 1x1 piece, repeat the previous steps to install the other light

Reconnect the pieces

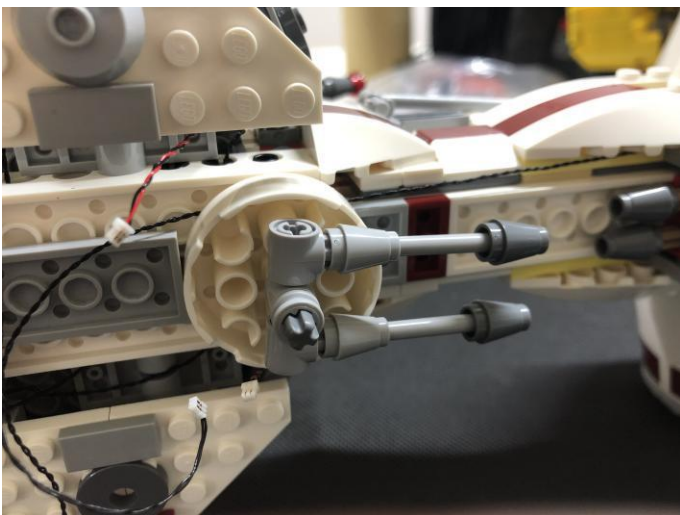




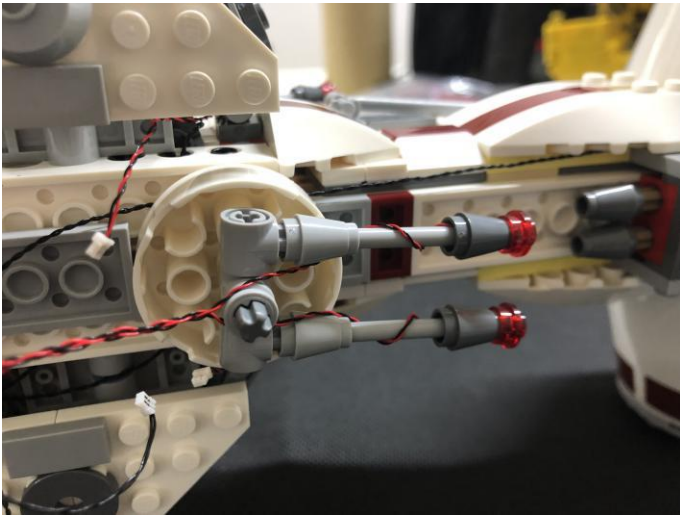
Pull the 2 cables of the lights to the bottom



Now, we' ll install lights for the cannon at the bottom



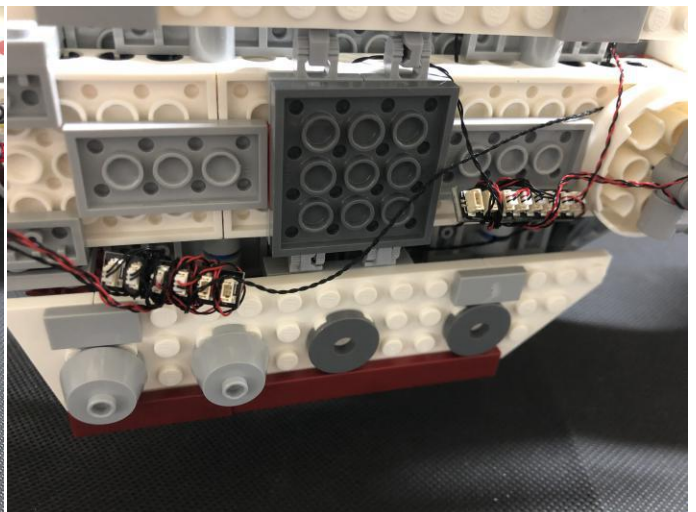
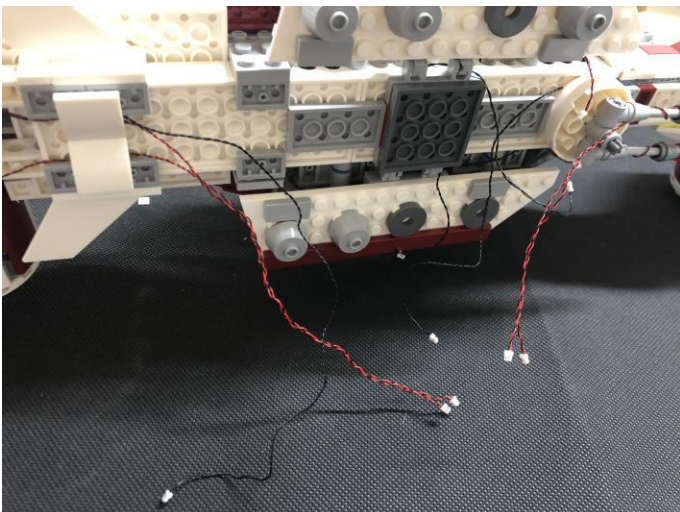
Take 2 red flashing 15cm dot lights, 2 trans red 1x1 pieces. Repeat the previous steps to install lights for the cannon



Take a 6-port expansion board, a 8-port expansion board

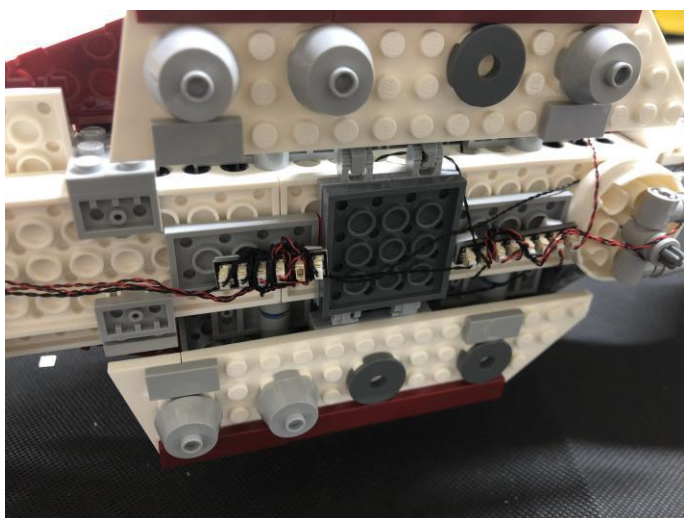
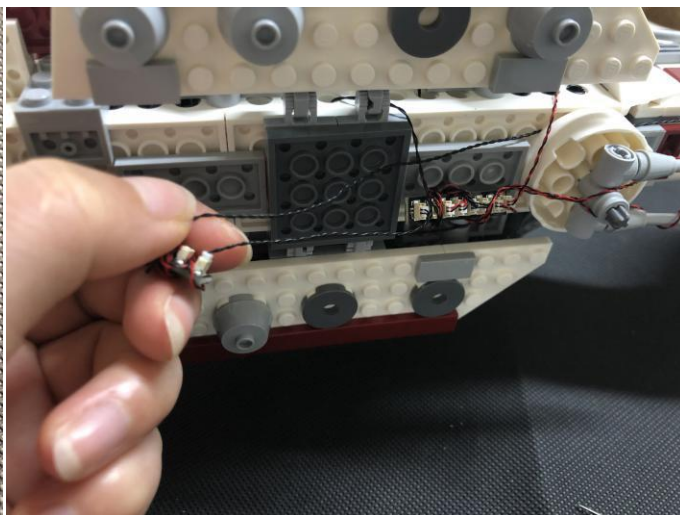
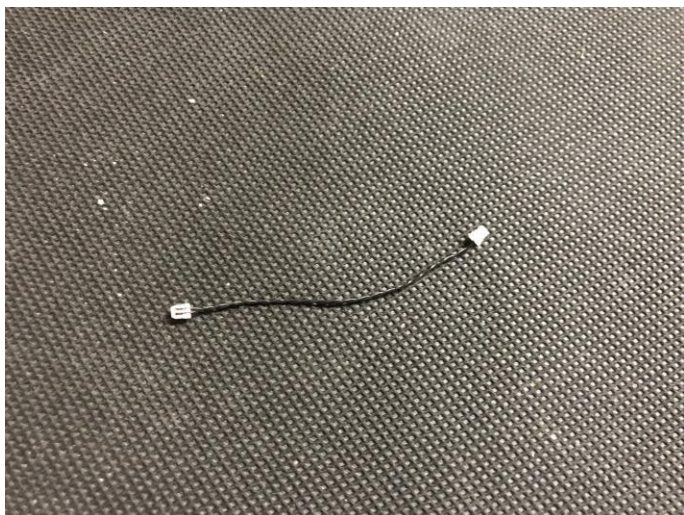


Connect all cables at the bottom to the expansion boards. Left 2 ports on the 6-port expansion board

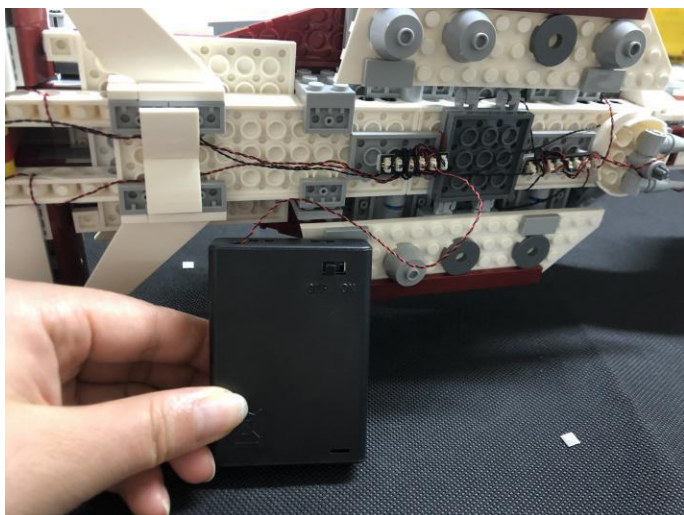


Take a 5cmc connecting cable, assemble the 2 expansion boards together





Connect the battery pack to the expansion board





This completes installation of this LED Lighting Kit. ENJOY!