CITY DOWNTOWN FIRE BRIGADE #60216 Lighting Kit

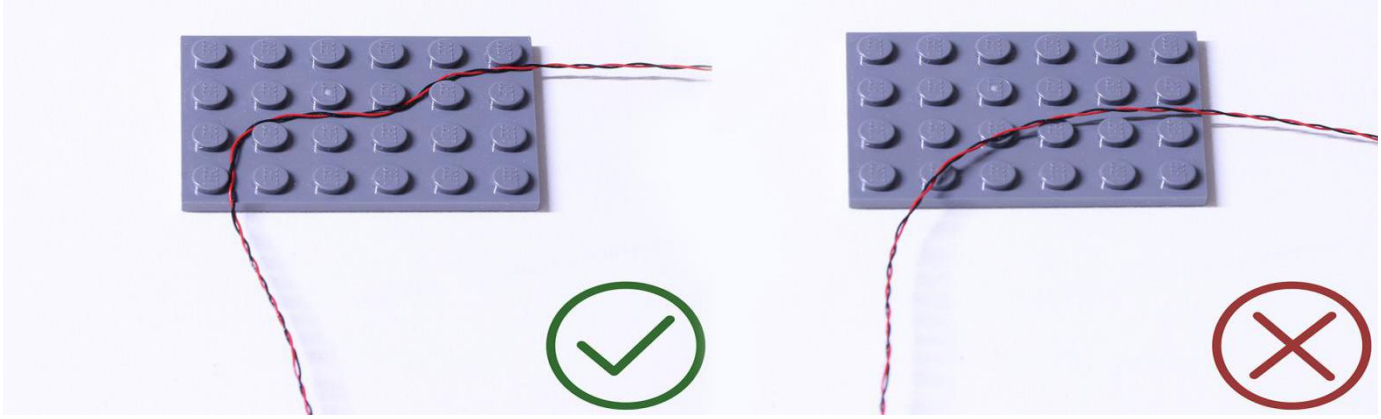
Package contents:

- 1 x 15cm Warm White Light
- 1 x 30cm Warm White Light
- 2 x 15cm Warm White Dot Lights
- 5 x 15cm White Dot Lights
- 2 x Warm White Strip Lights
- 2 x 15cm Connecting Cables
- 1 x 6-port Expansion Boards
- 1 x 8-port Expansion Boards
- 1 x AA Battery Pack
- 1 x Round Coin Cell Battery Pack
- Extra LEGO pieces、Adhesive Squares

Note:

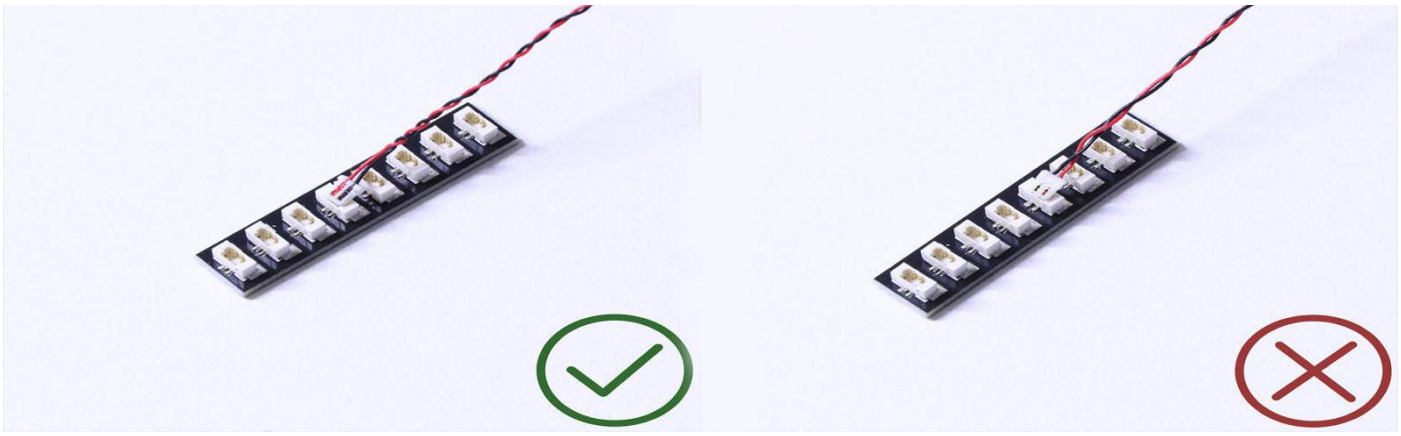
Place wires on the surface or under the LEGO building blocks.

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

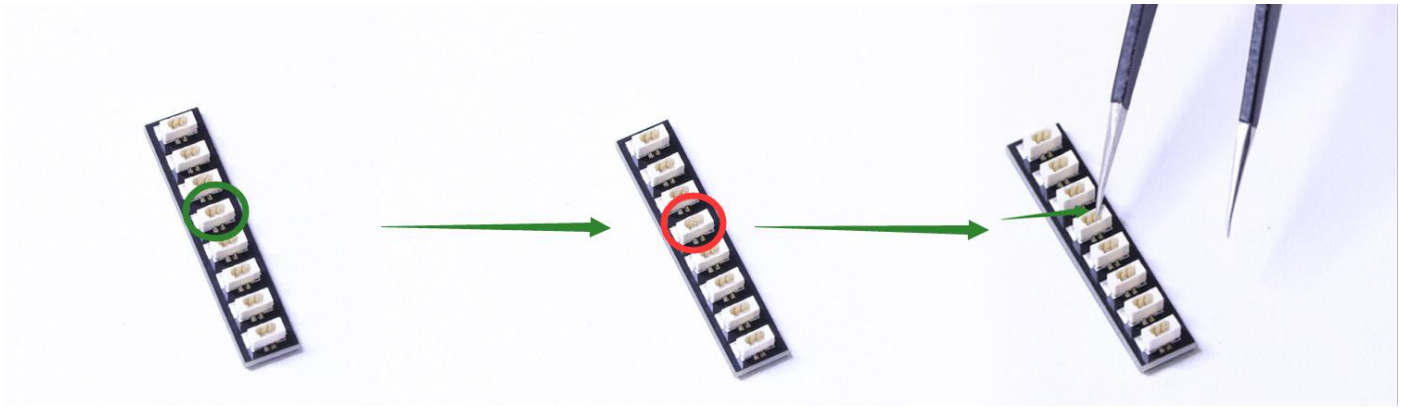


Insert the connectors to the ports.

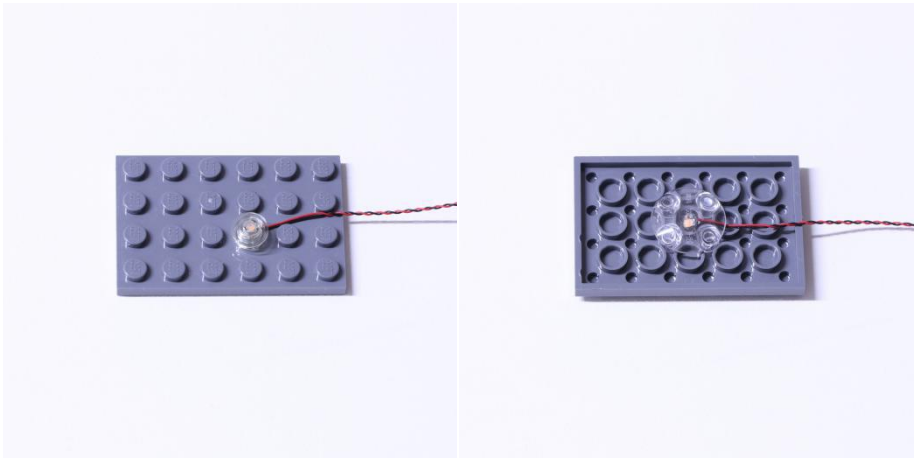
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

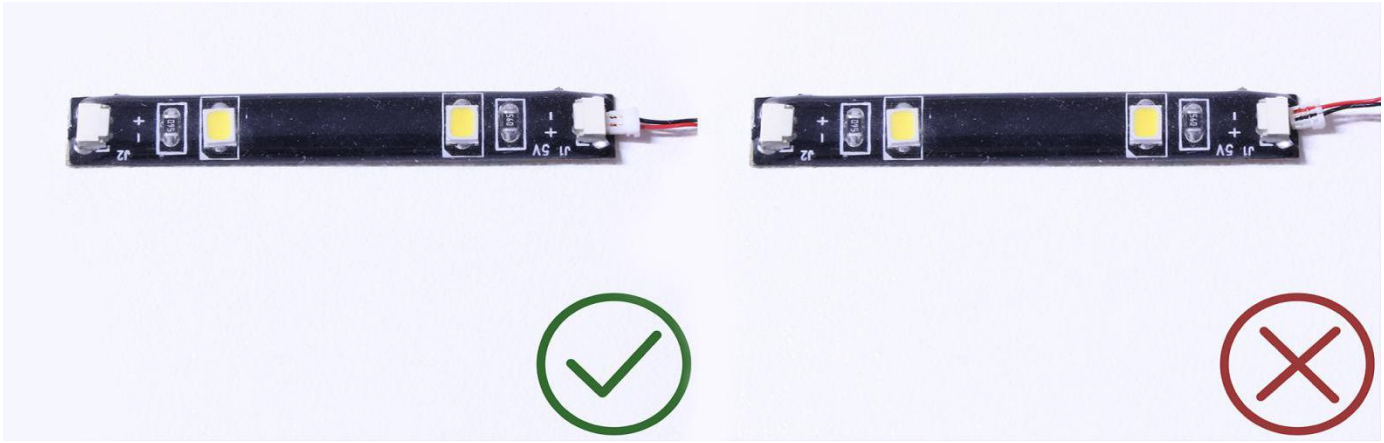


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put they either on the top of the studs or between studs.

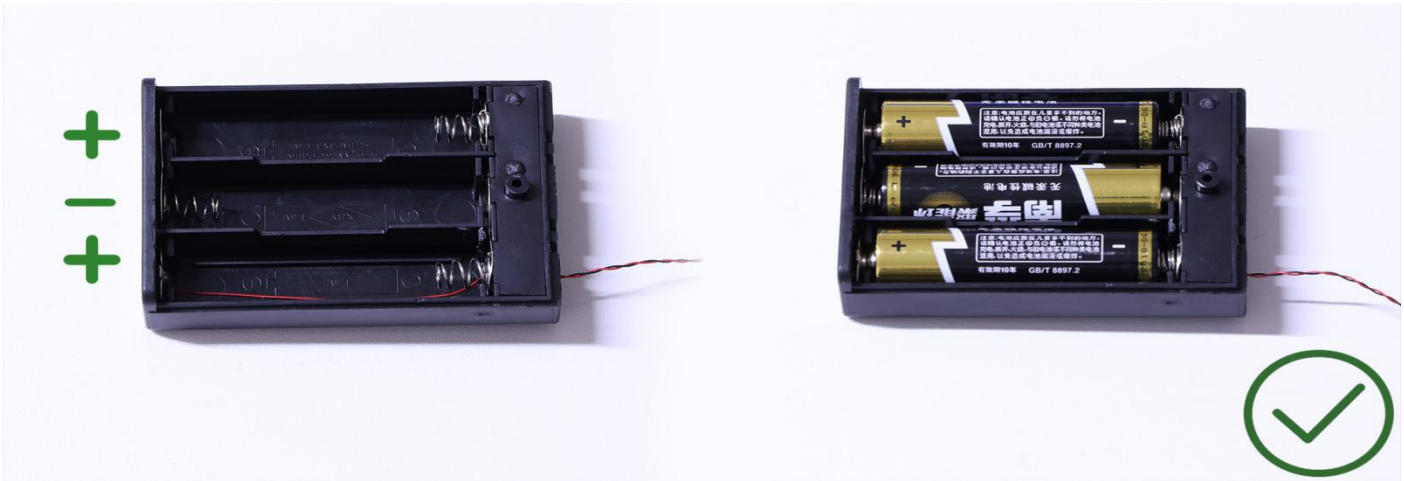


Connecting cable connectors to Strip Lights

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



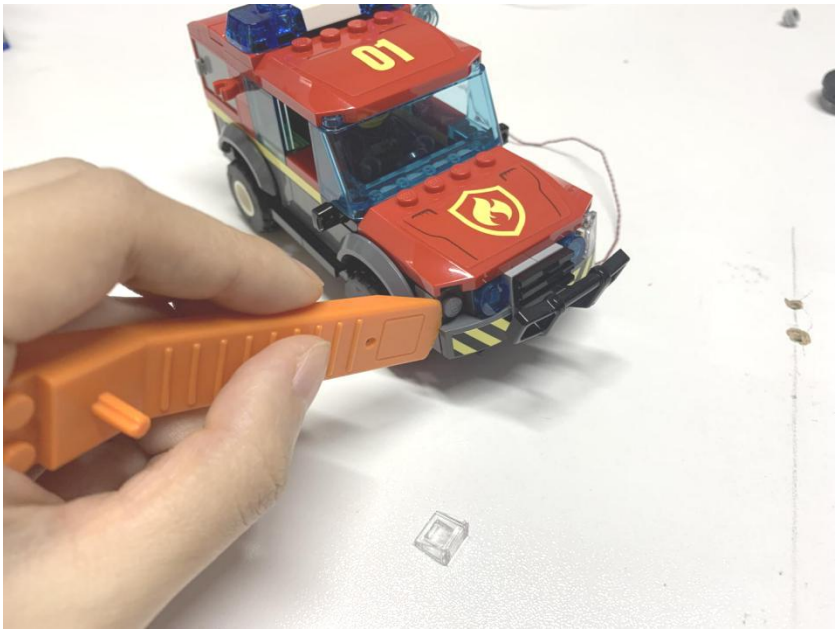
Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.



OK, Let’s Begin!

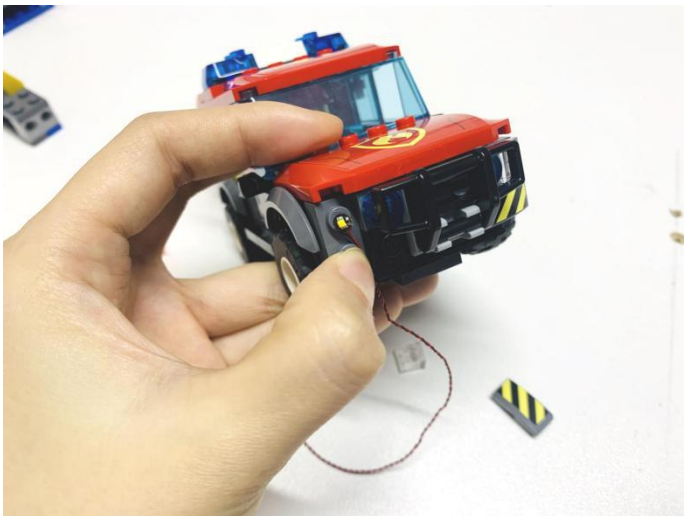
Instructions for installing this kit

Start from installing lights for the firetruck. Remove the trans slope plate and the gray piece with yellow and black strips from the head of the truck.



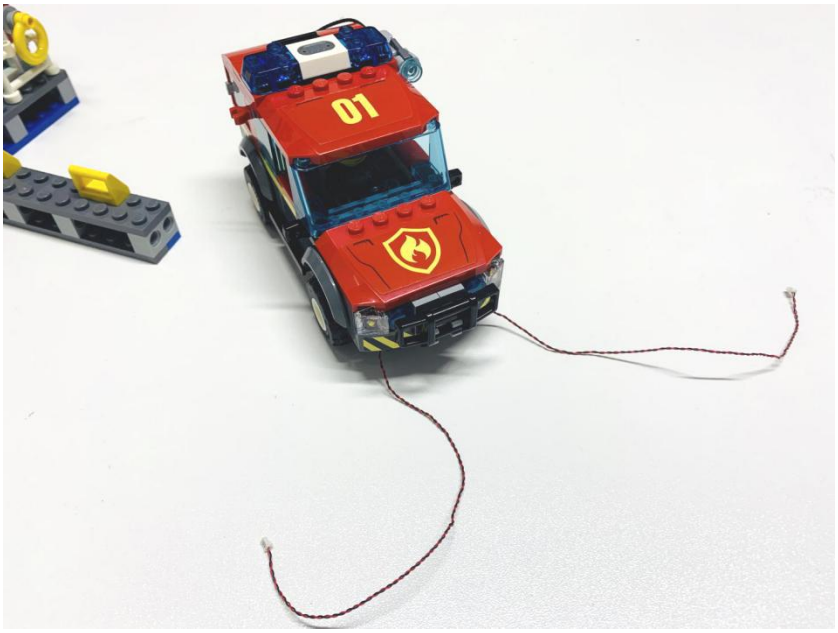
Take 2 warm white 15cm dot lights.

Install one light as per below, secure the light at the head of the truck by connecting the slope plate over

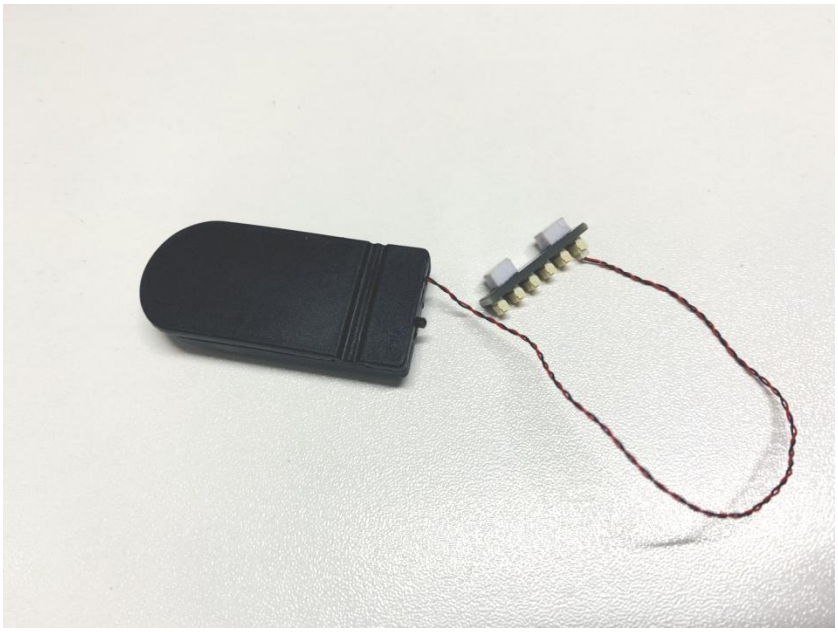


Reconnect the pieces we removed before.

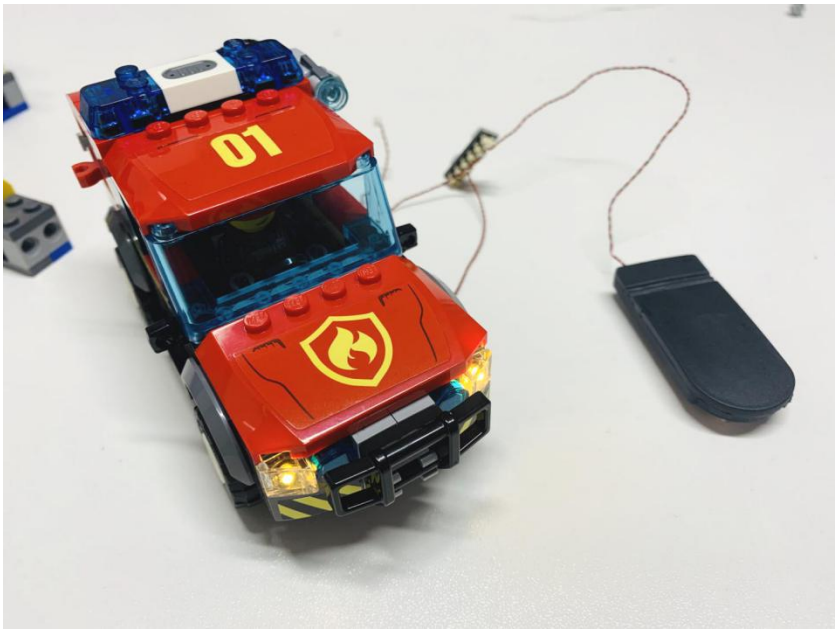
Repeat the previous steps to install the headlight at the other side



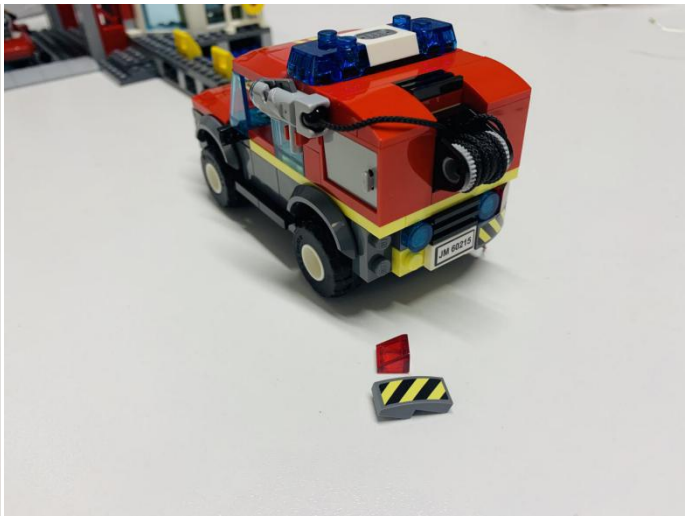
Take the Round Coin Cell Battery Pack, a 6-port expansion board, assemble them as per below, stick adhesive squares at both sides of the expansion board.



Turn the power on to verify the lights!

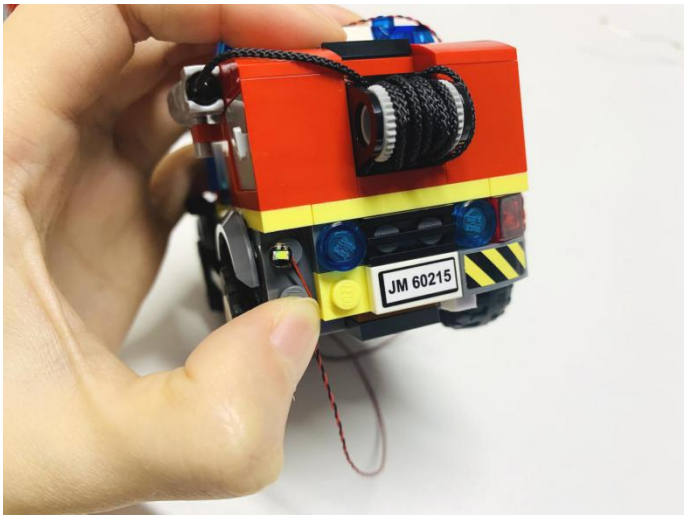


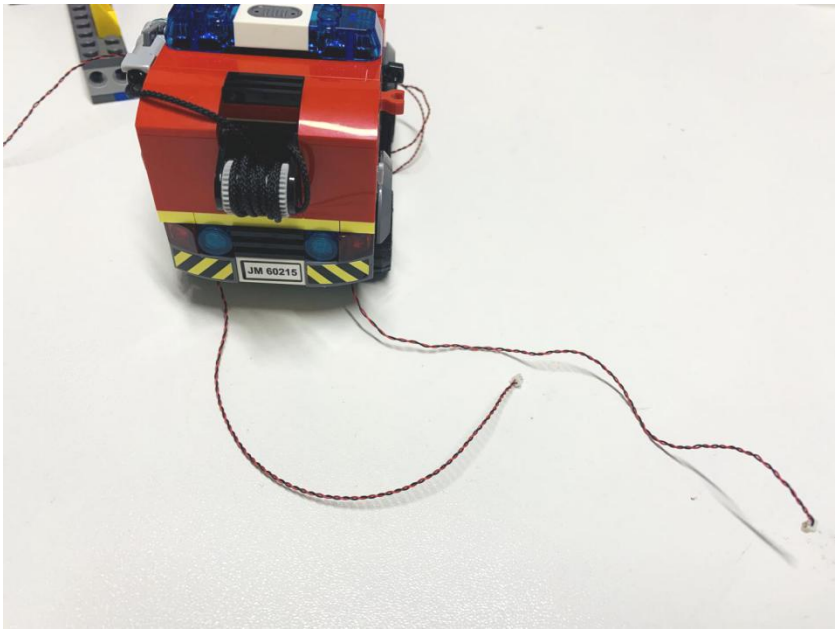
Turn to the back of the truck and start to install the taillights. Remove the following 2 pieces



Take 2 white 15cm dot lights

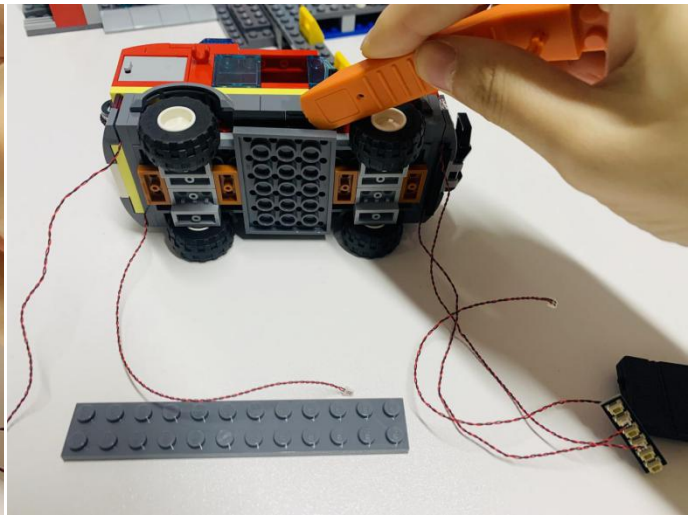
Repeat the steps above to install the taillights



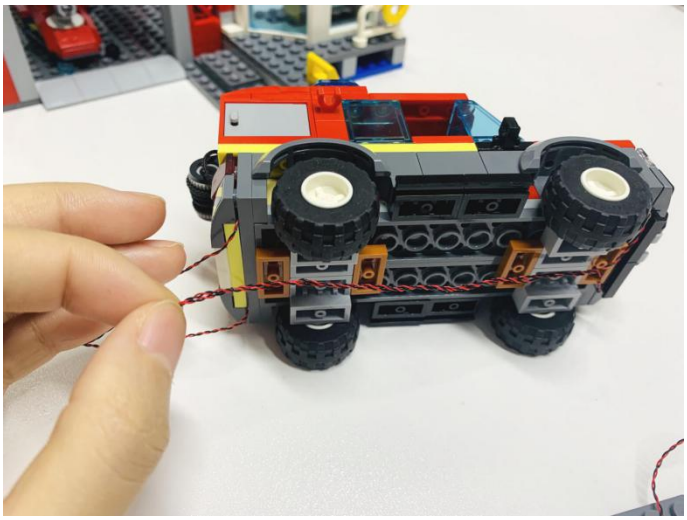


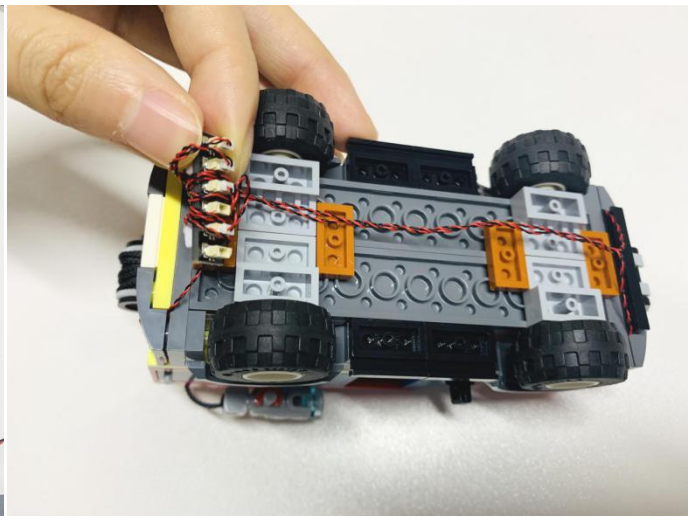
Also turn the power on to test if the lights are working OK!

Turn the car over to allow us to hide the cable and battery pack underneath. Disconnect the cables of the lights from the expansion board.
Remove the 2x2 plate and the 4x6 plate from the bottom of the car

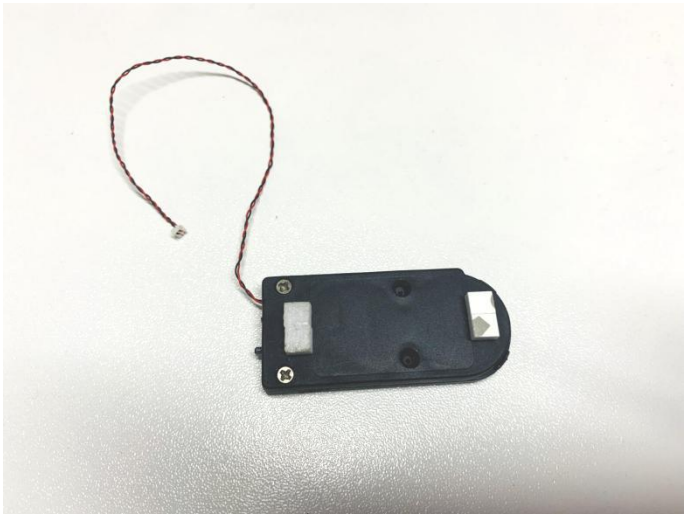


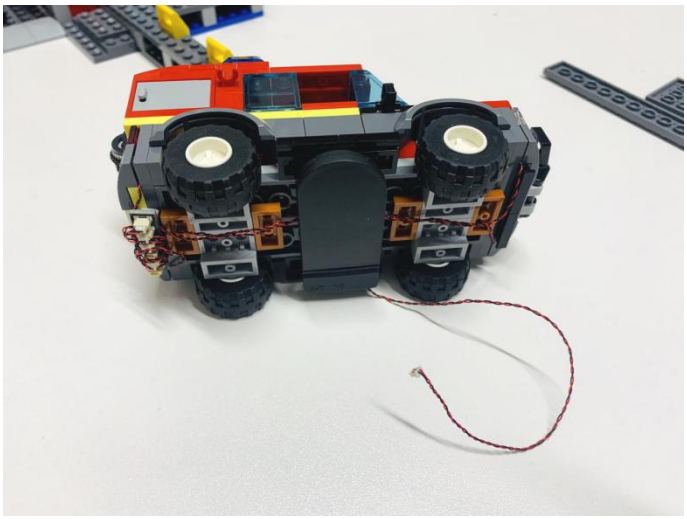
Group the cables of the headlights together, pull them toward the back of the car, connect them and the taillights to the 6-port expansion board. Tuck excess cables around the expansion board.





Stick adhesive squares to the battery pack as per below, secure the battery pack to the bottom of the truck





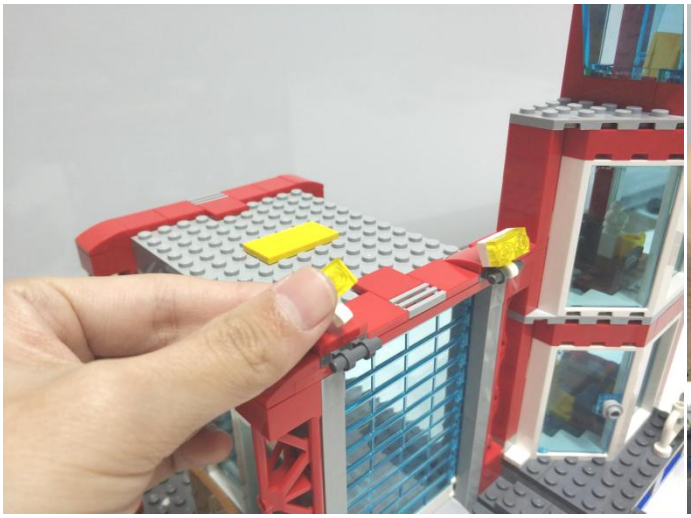
Connect the cable of the battery pack to the 6-port expansion board, tuck excess cable around the expansion board

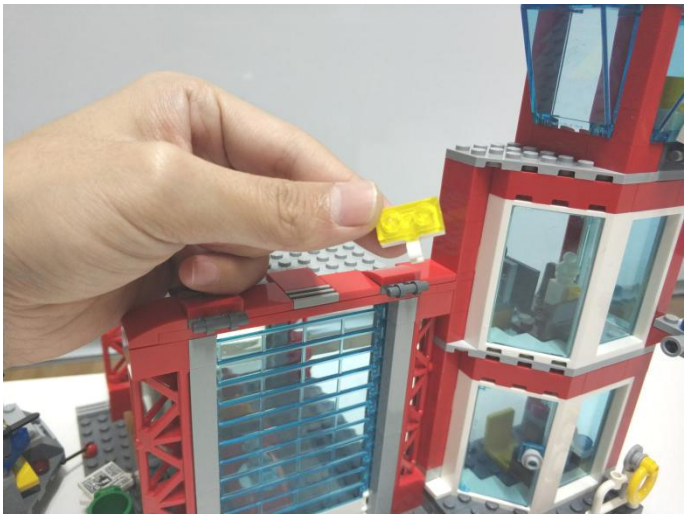
This completes installation of lights for the firetruck. ENJOY!

Continue to install lights for the building.

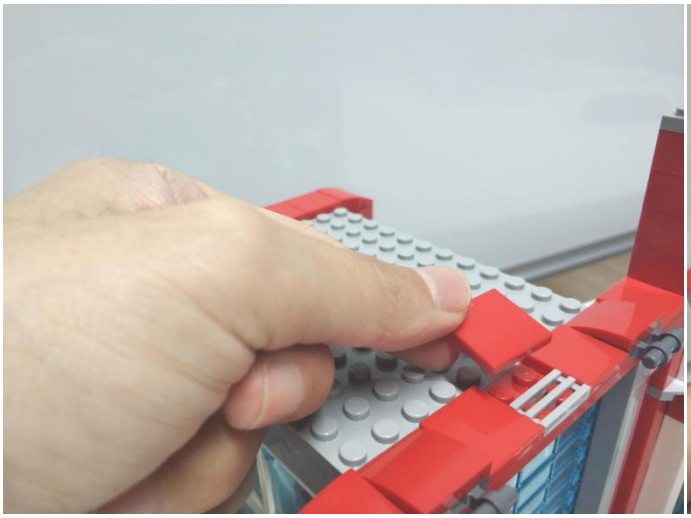
Remove the following pieces from the roof

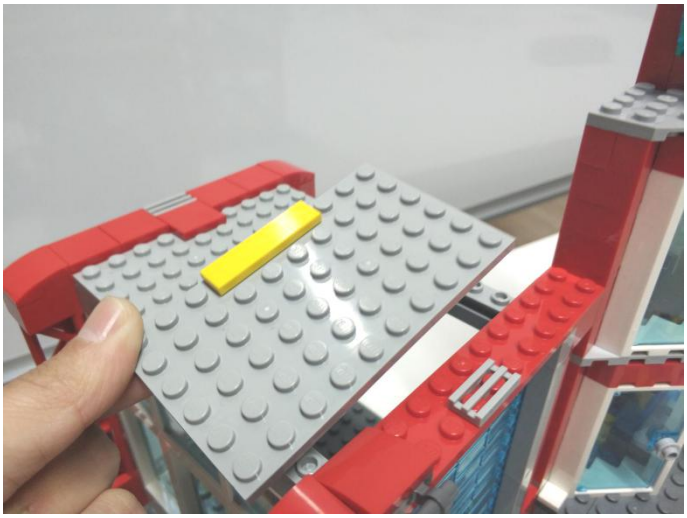
Remove the following 2 trans yellow pieces



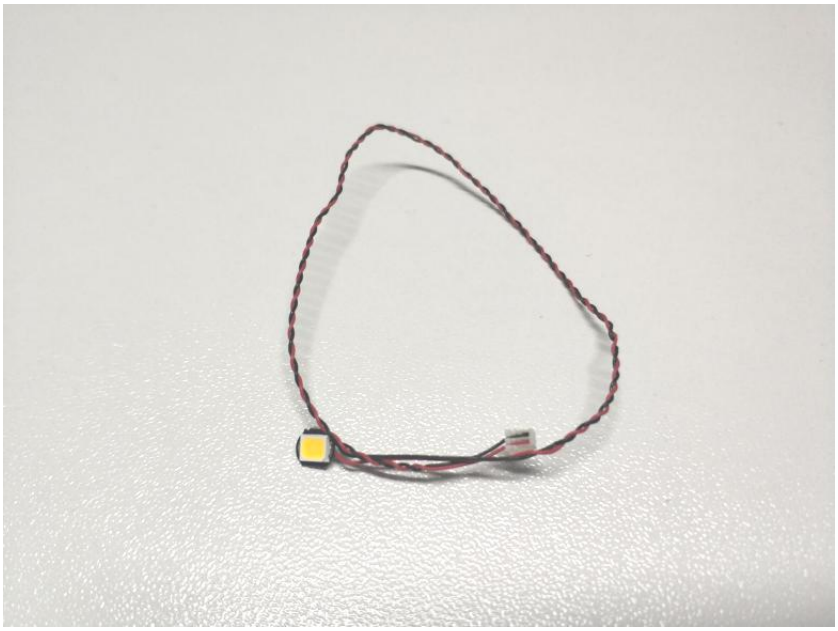


remove the following red piece and the gray plate

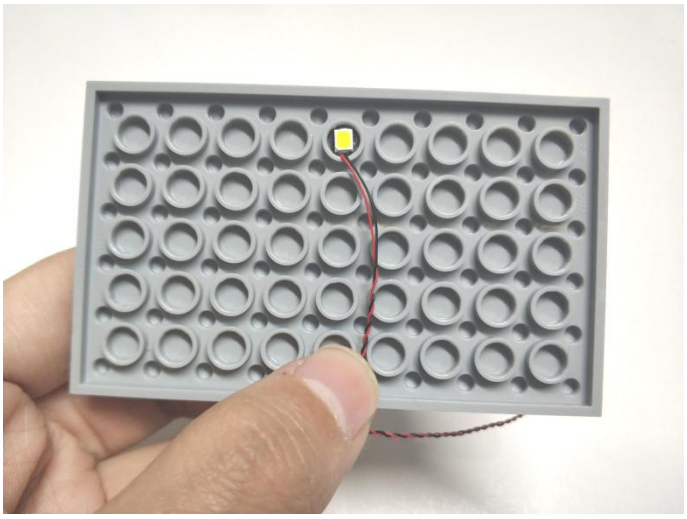


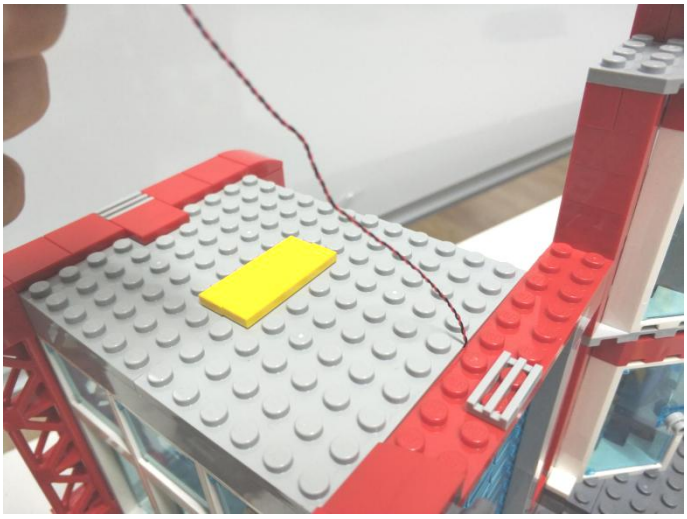


take a warm white 15cm light



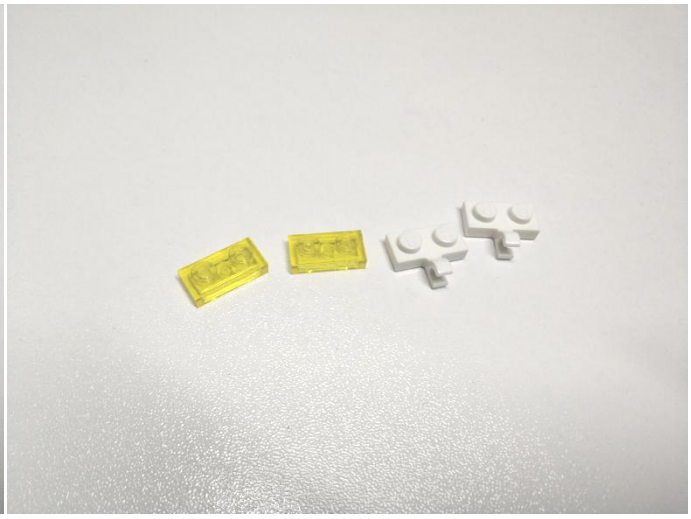
With lighting part facing up, secure the light to the following place, reconnect the gray plate, pull the cable out from the gap between the gray plate and the red plate





Turn the power on to test the current

Disassemble the white pieces with trans yellow plates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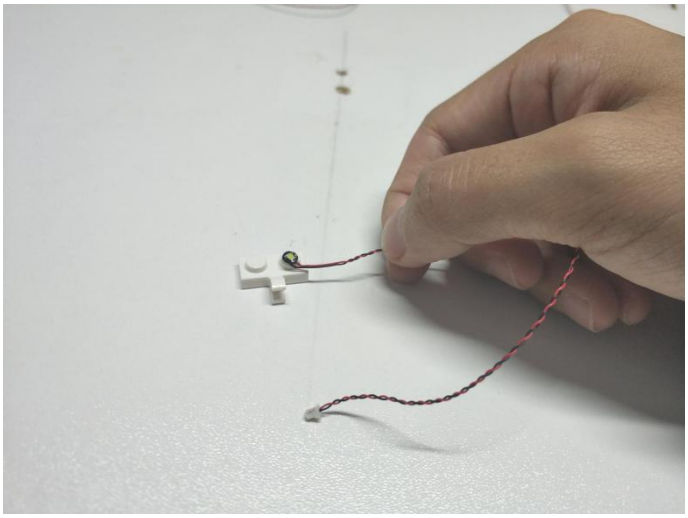
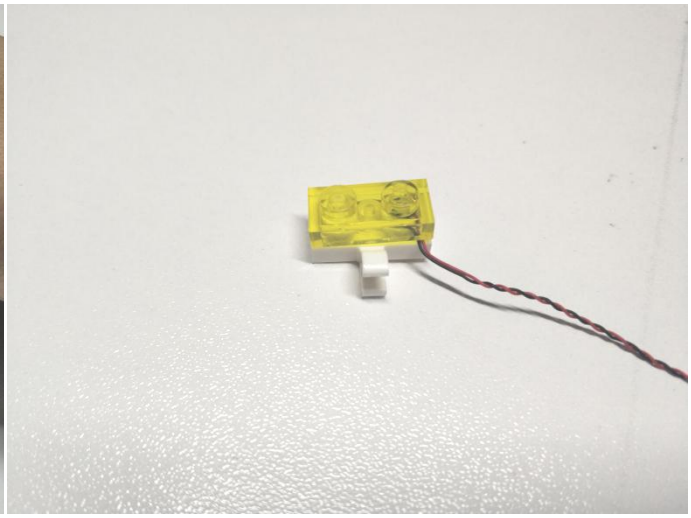
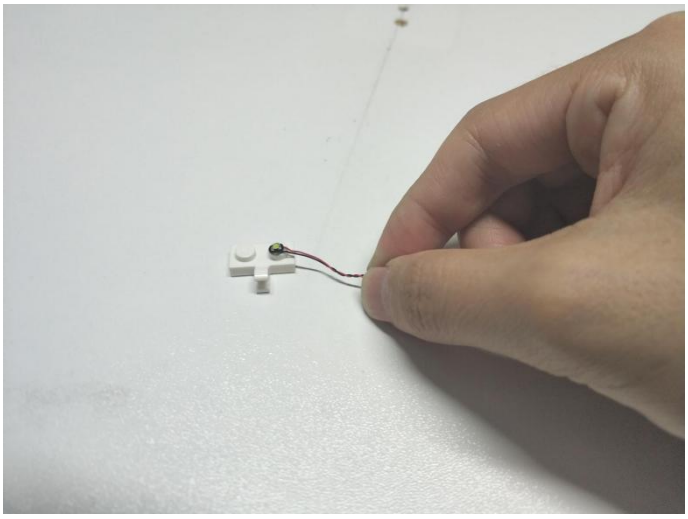
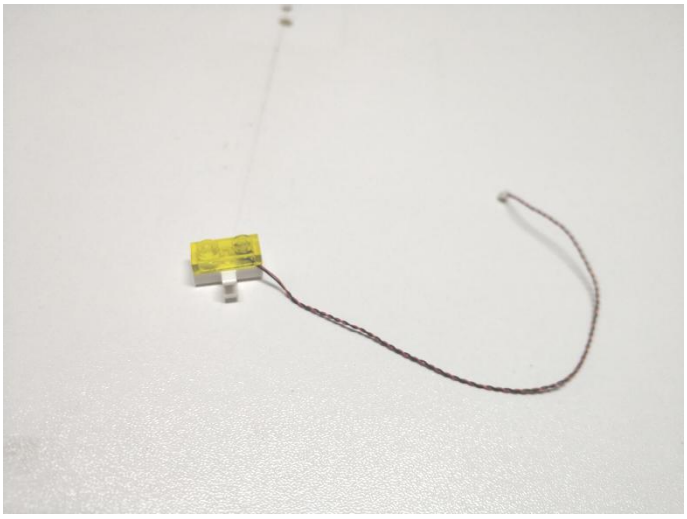
ake 2 white 15cm dot lights

Take a dot light, with lighting part facing up, place it to the right stud on the white piece, connect a trans yellow piece over



repeat the previous step to install another light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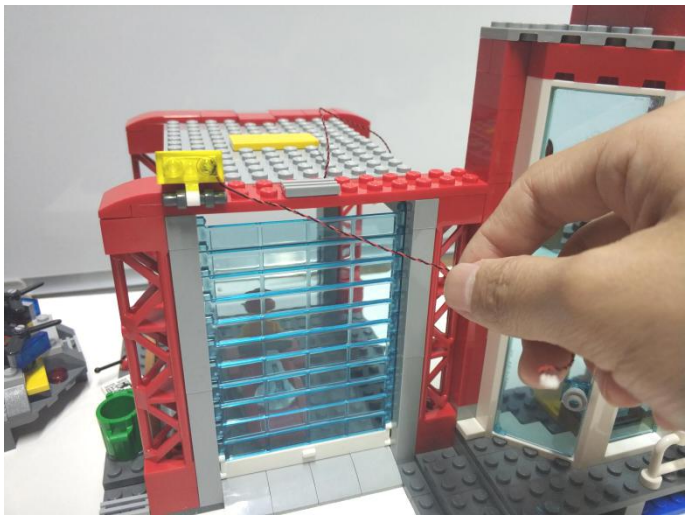
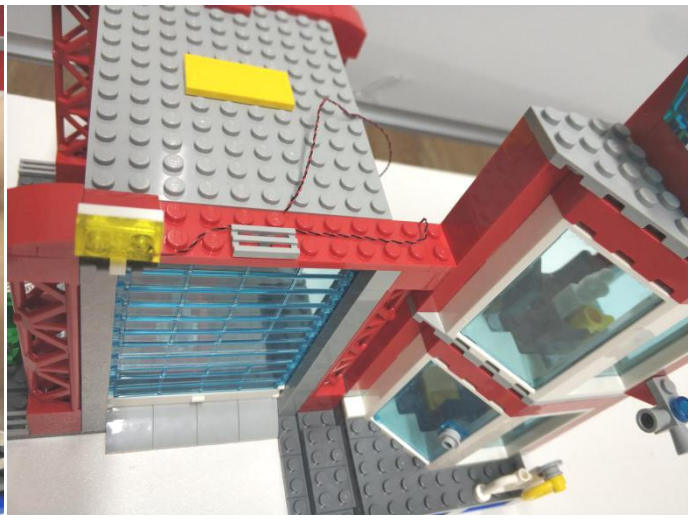
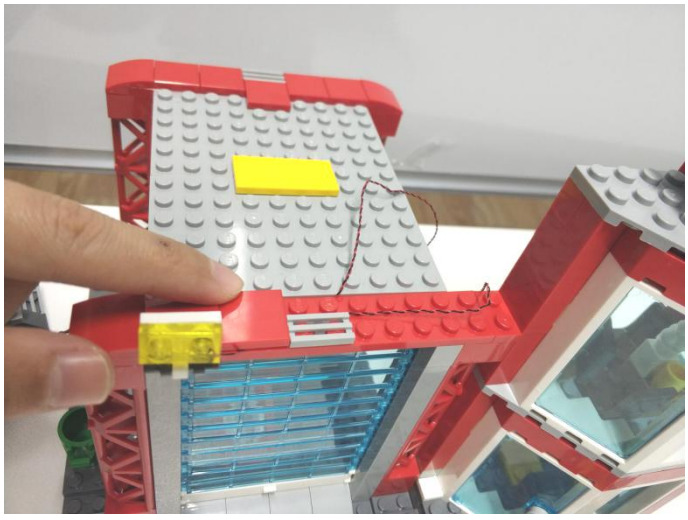
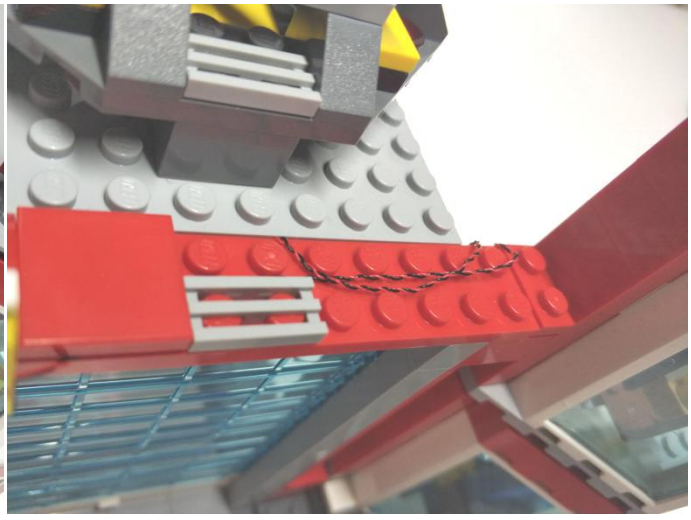
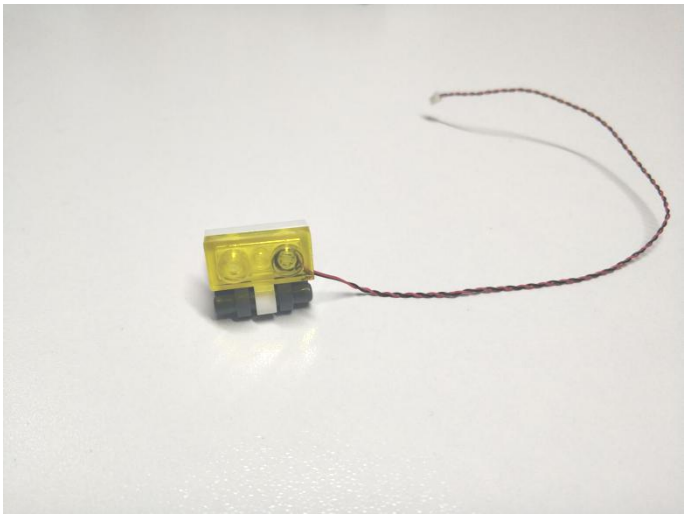
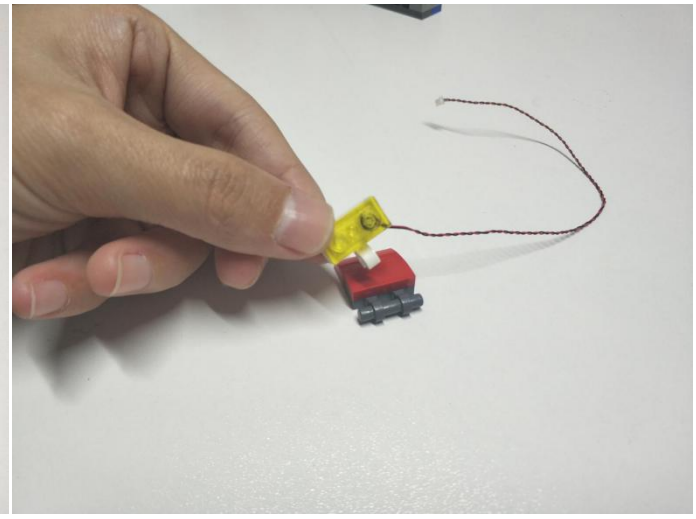
econnect the piece with light installed back, pull the cable rightward and place it in between studs

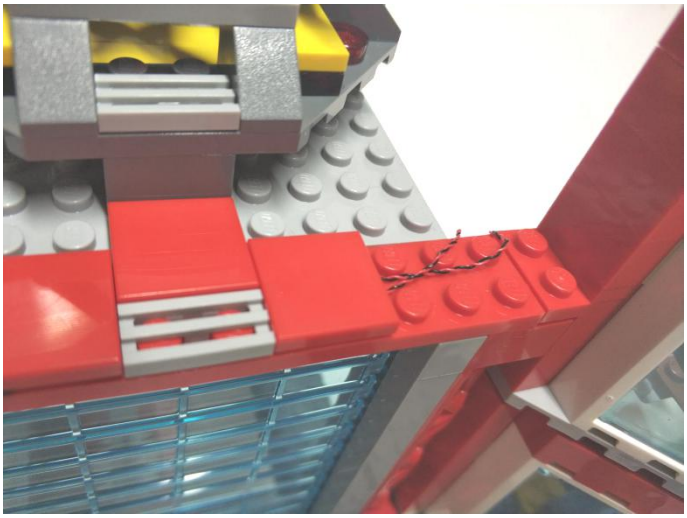
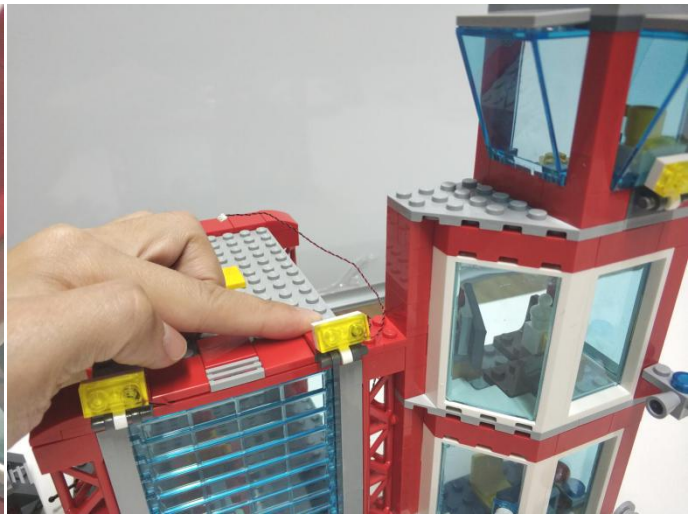
reconnect the red piece next to the trans yellow piece

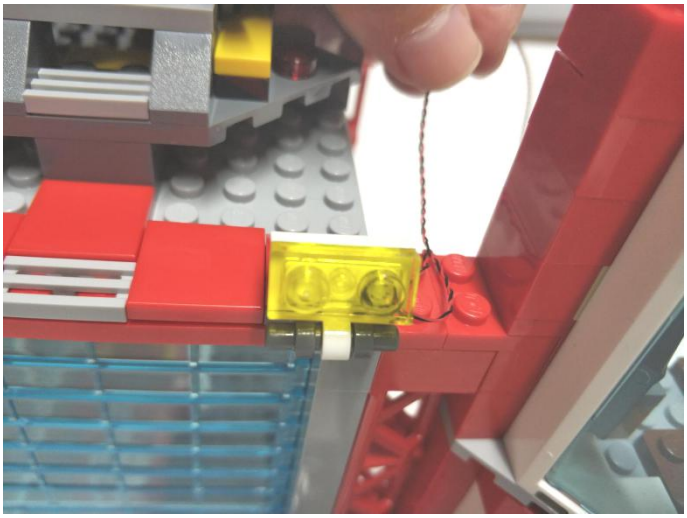
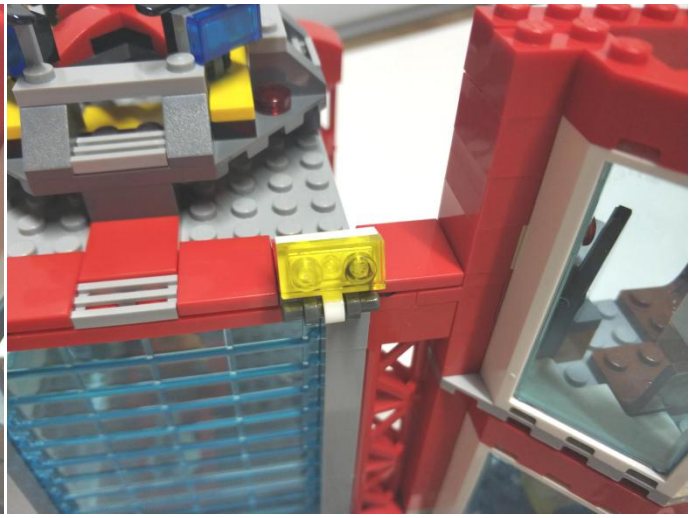
similarly, reconnect the other trans yellow piece

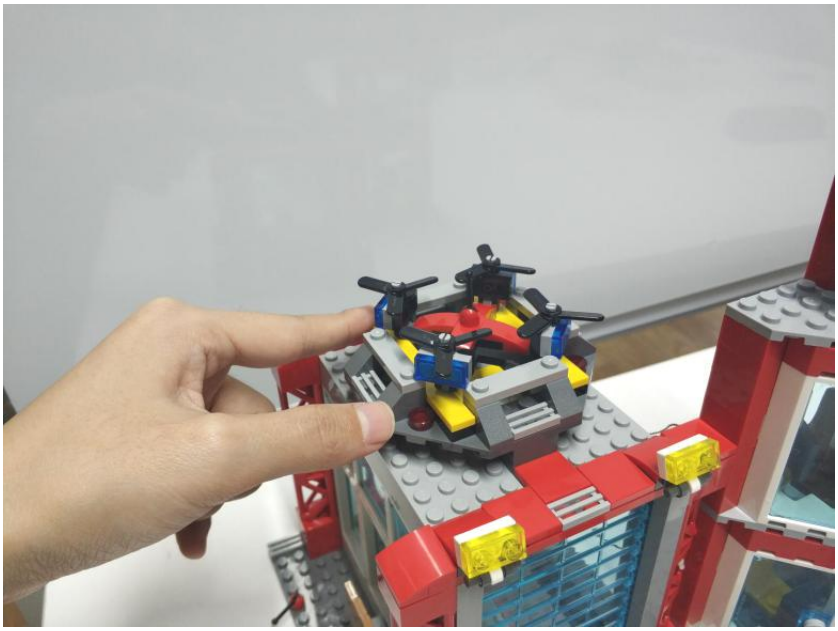



reconnect the 2 red plates and the light

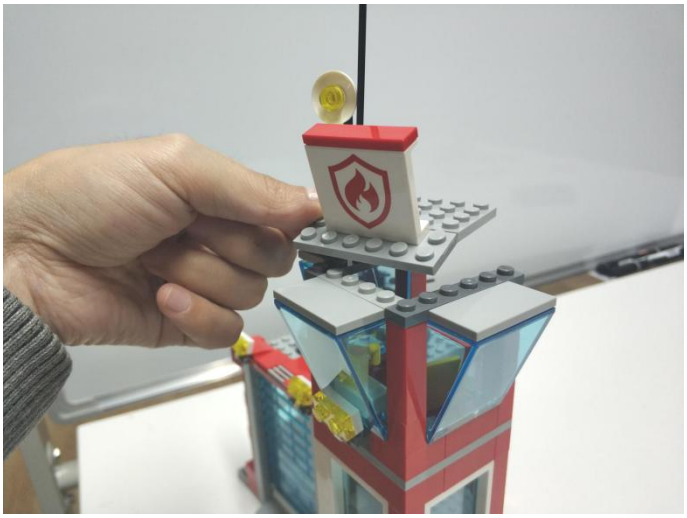
pull the cable toward the back, reconnect the red plate and the pieces we removed from the roof

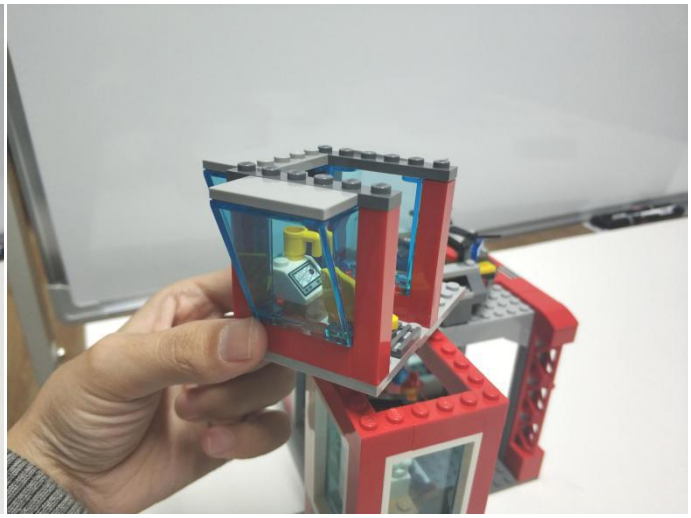



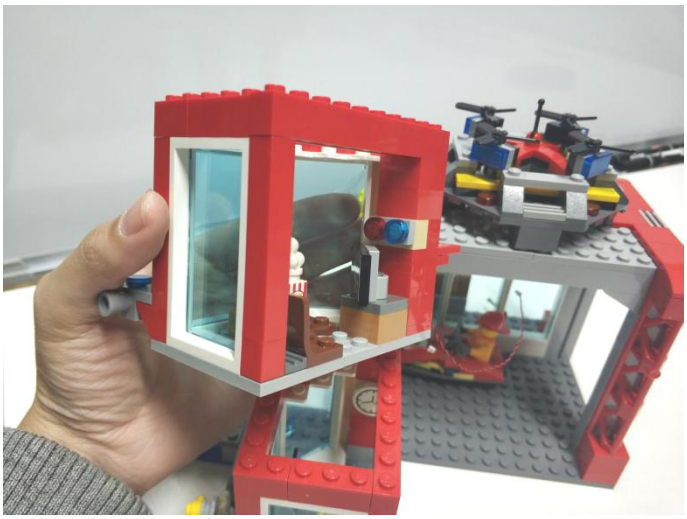


Turn the power on to see if the lights are working OK

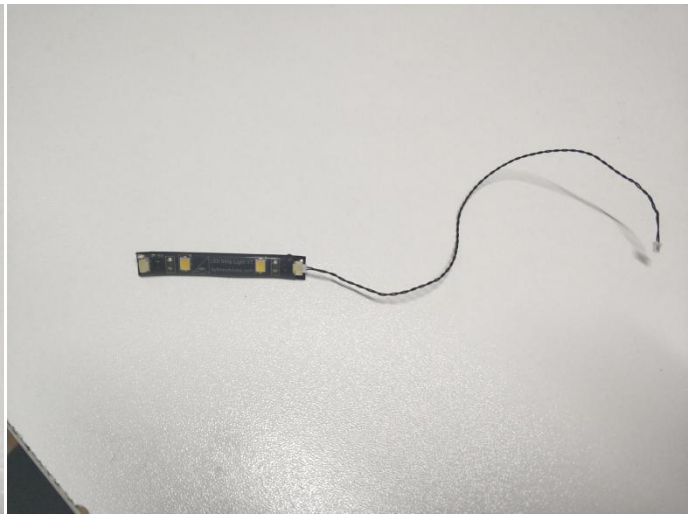
Remove the roof and the next 2 floors from the higher building







Take a warm white strip light, a 15cm connecting cable, connect the connecting light to the right port of the strip light



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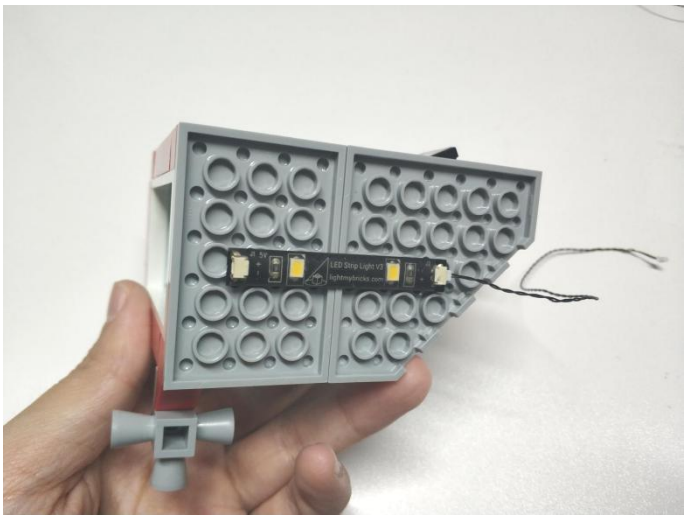
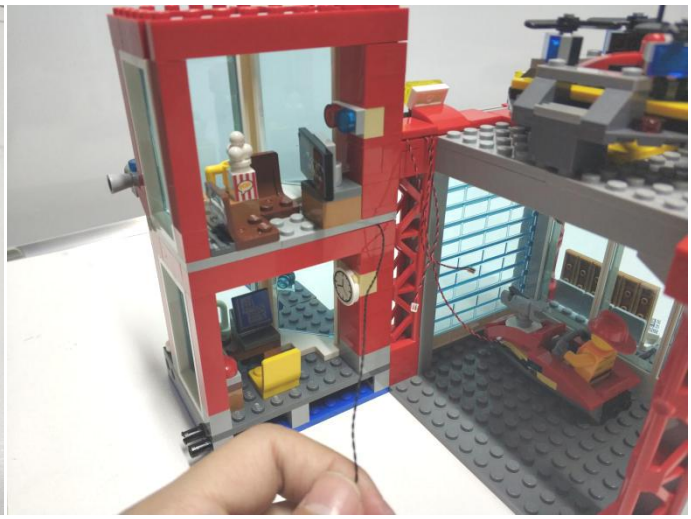
tick the strip underneath the middle floor at the center of the gray plate. Place the cable as per below, reconnect this floor, pull the cable out from the space in between the gray plate and the red piece





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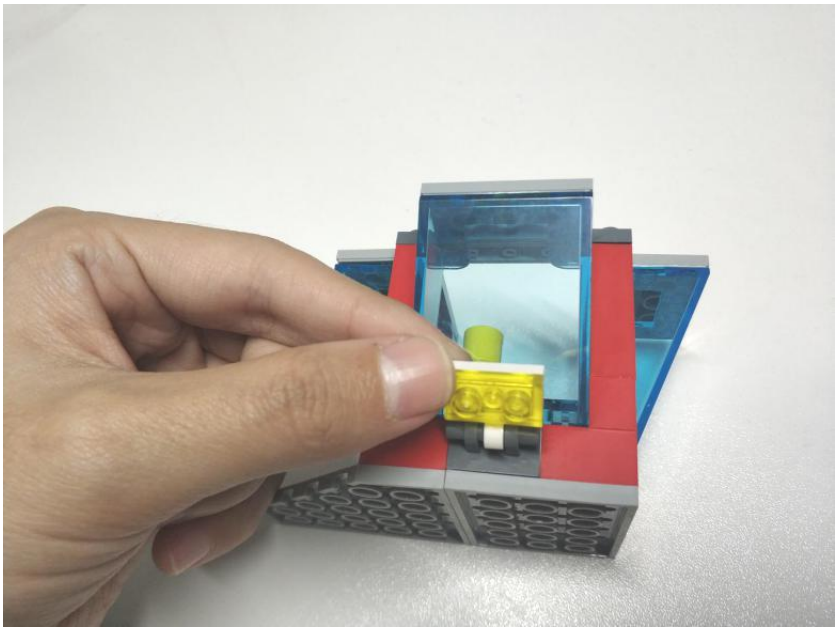
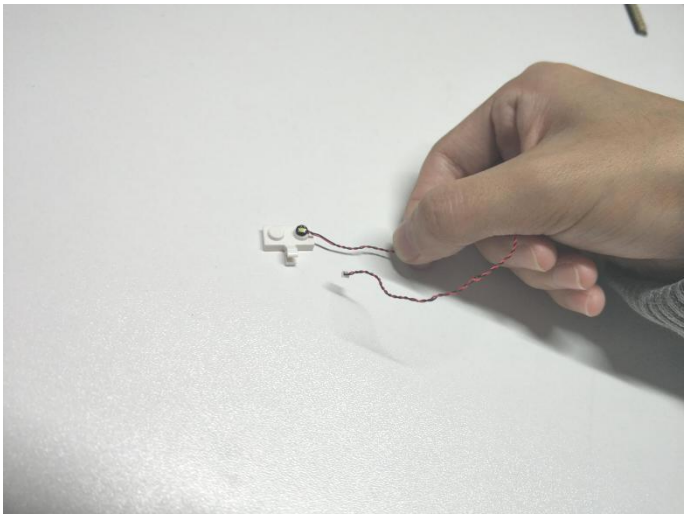
urn the power on to verify the current

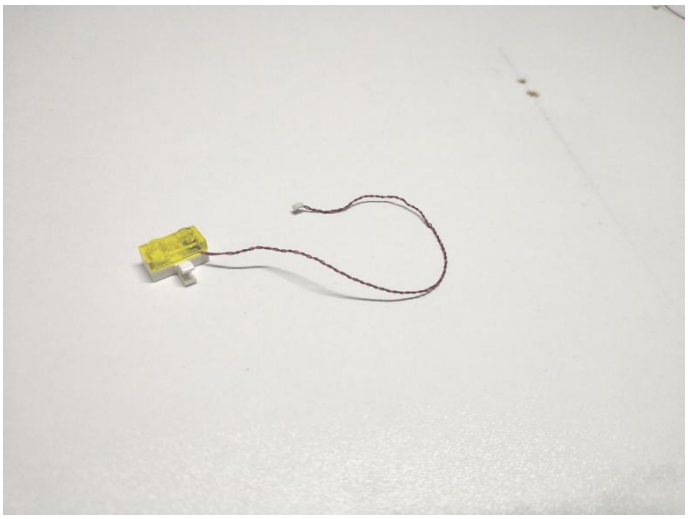
Remove the following part with the trans yellow piece

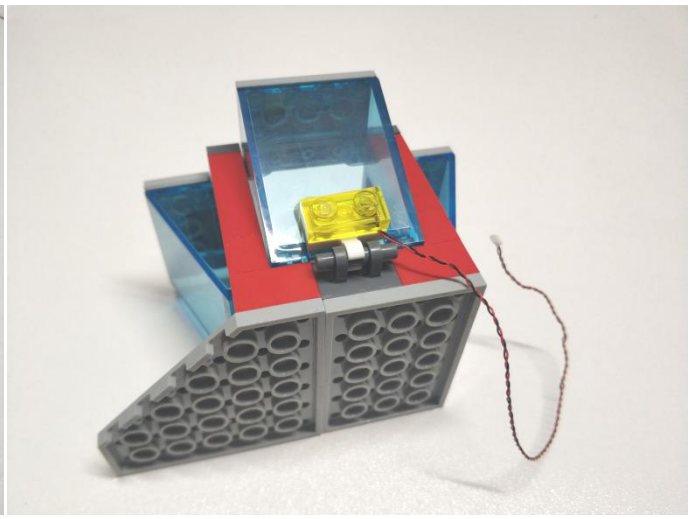


Take a 15cm white dot light, with lighting part facing up, connect the light to the right stud on the white piece

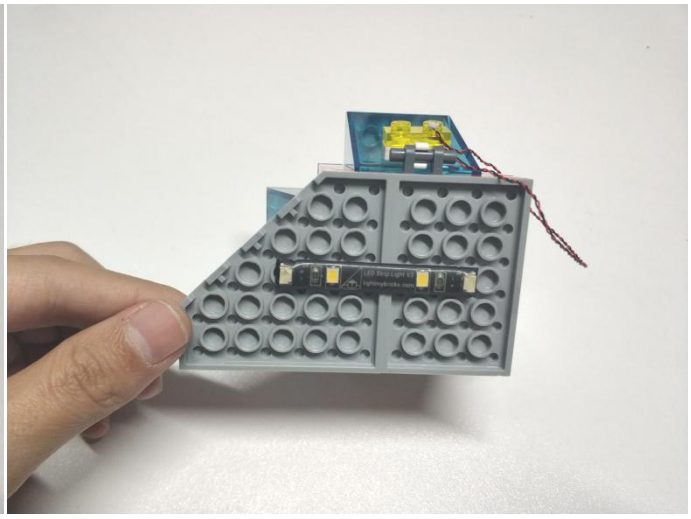


Connect the trans yellow piece over, reconnect this part

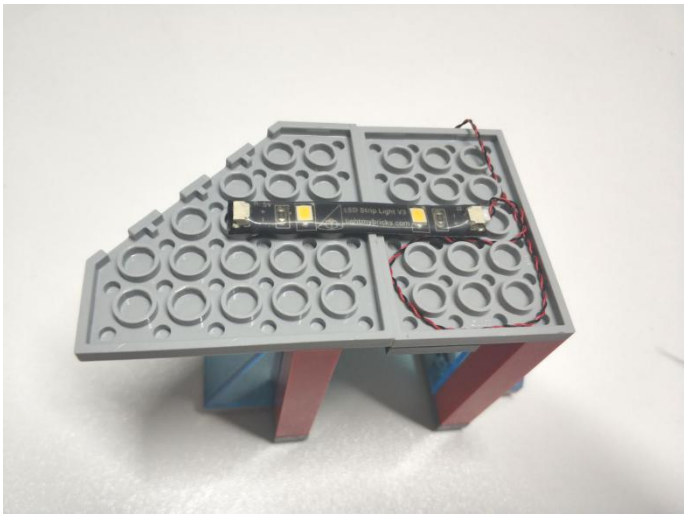




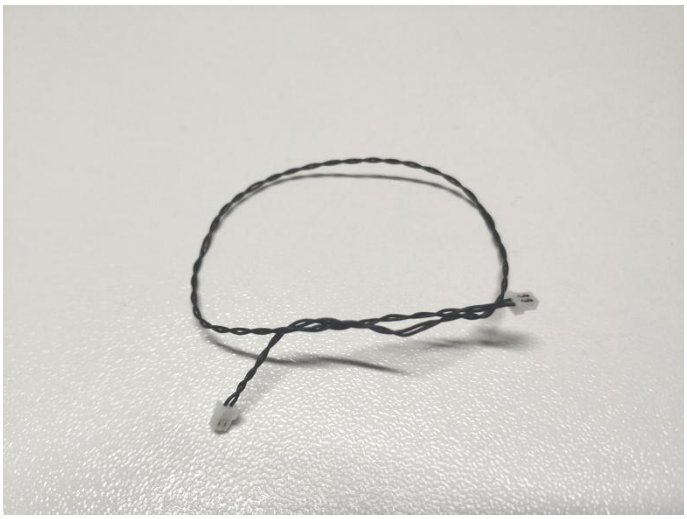
Take a warm white strip light, stick it to the middle of the gray plate

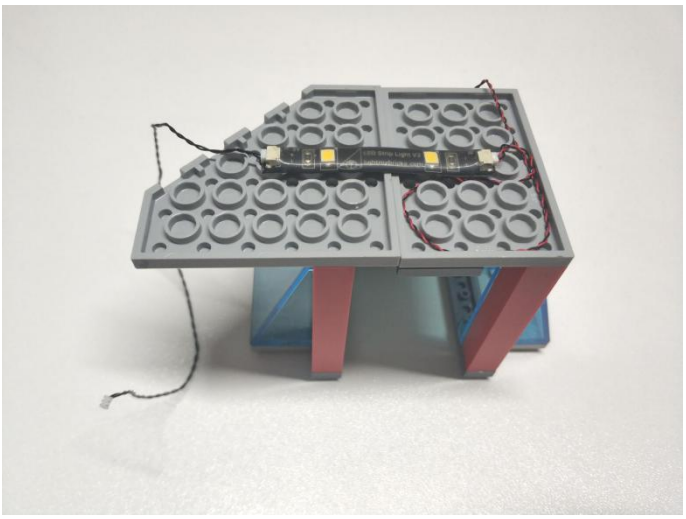


Connect the cable from the trans yellow piece to the following strip light, place the cable as per below

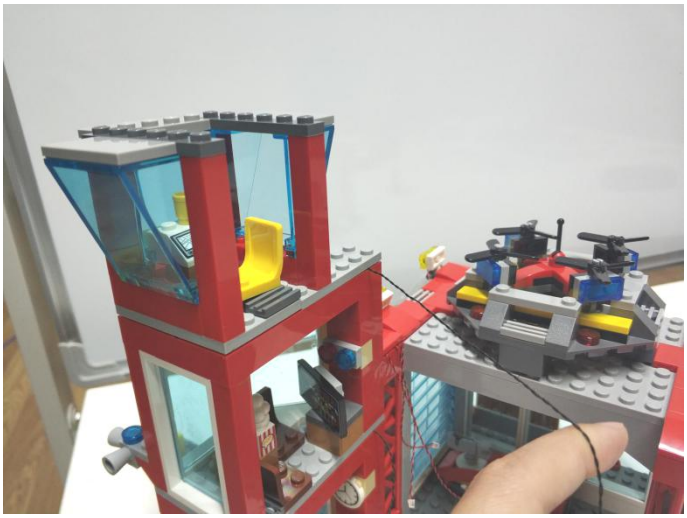


Take a 15cm connecting cable, connect it to the left port on the strip light





Reconnect the roof, pull the cable backward



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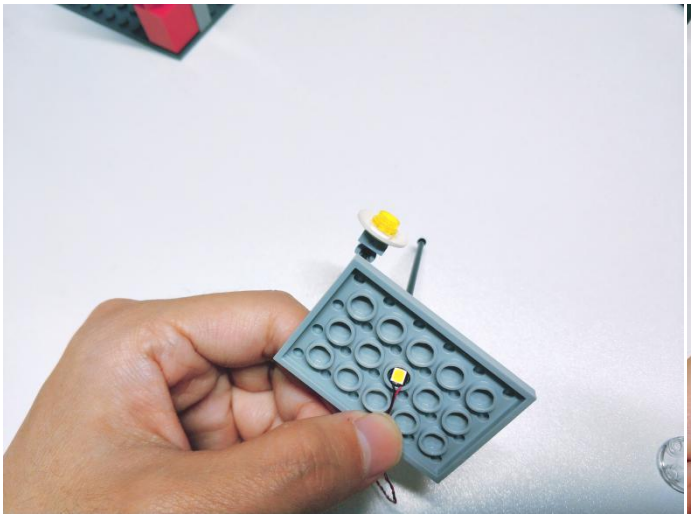
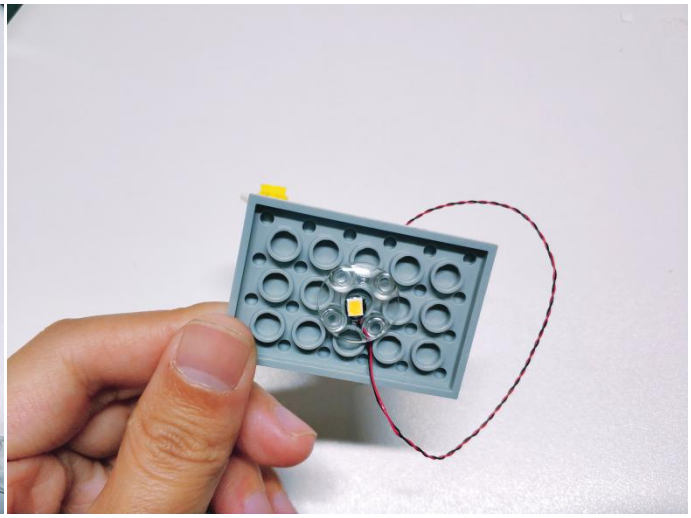
urn the power on to test the light

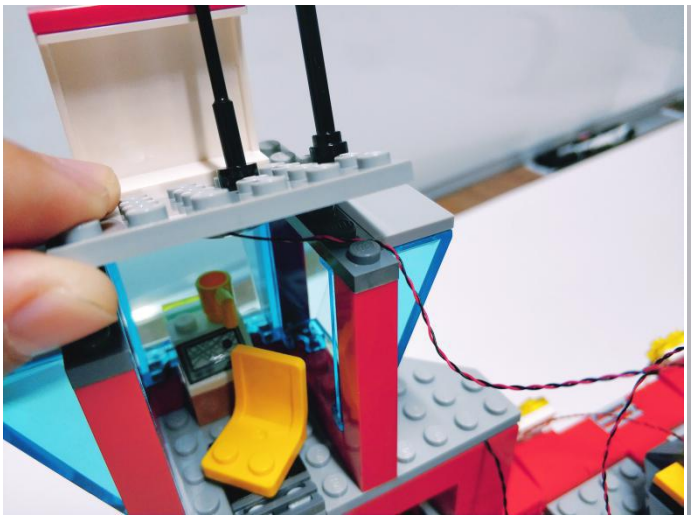
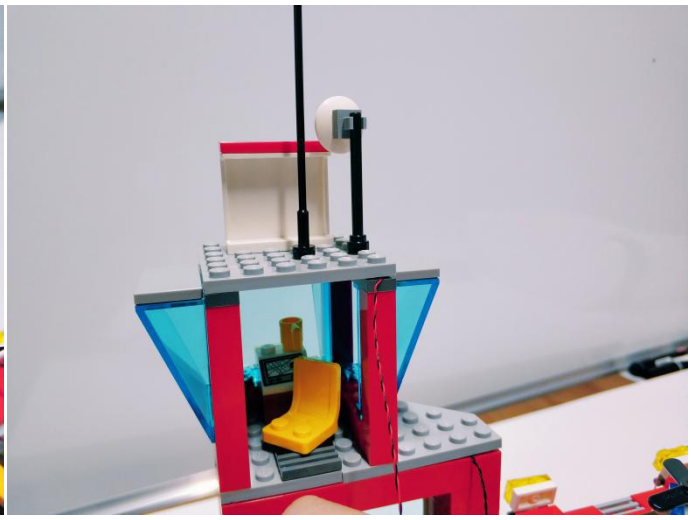
Take a 30cm warm white light, a trans 2x2 round plate

Place the light underneath the roof, secure it in place with a 2x2 round plate

r

econnect the roof plate, place the cable as per below

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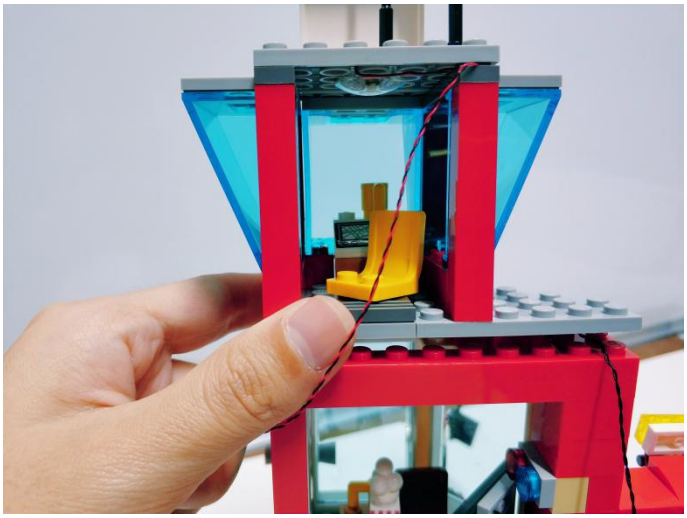
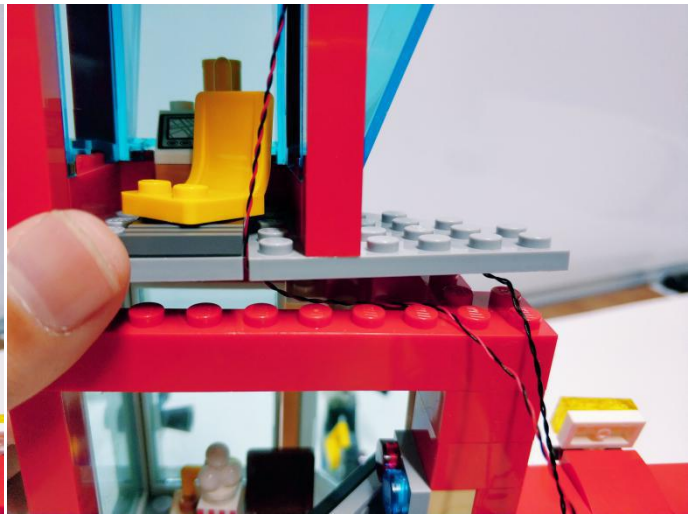
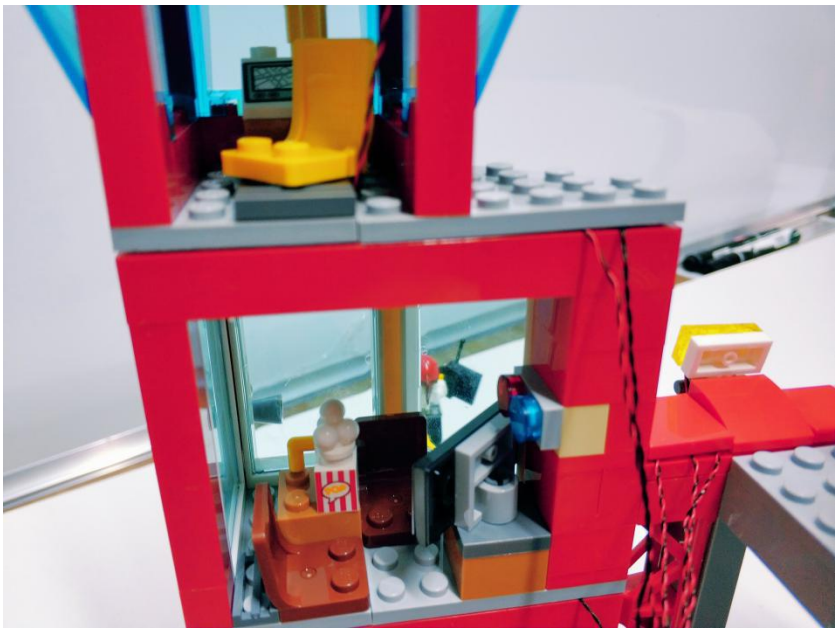
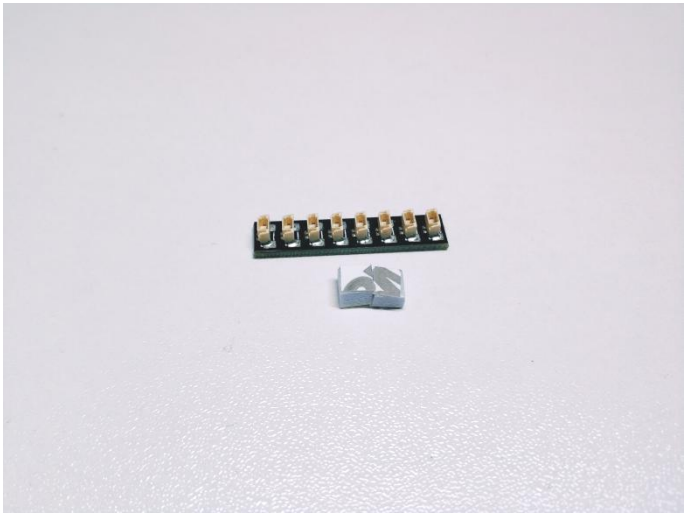
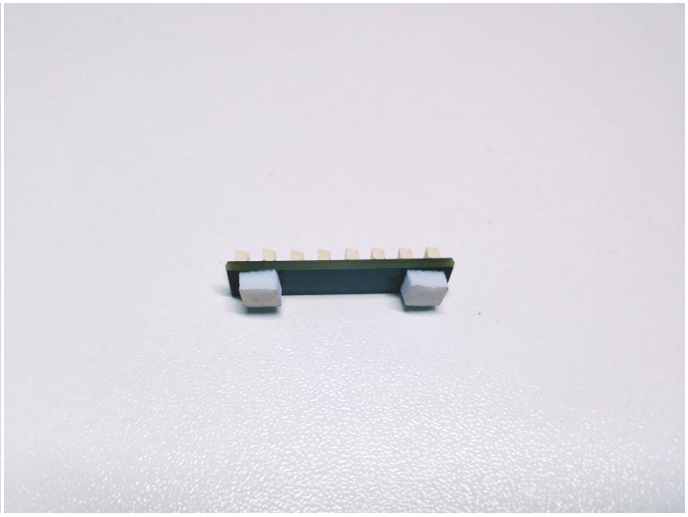
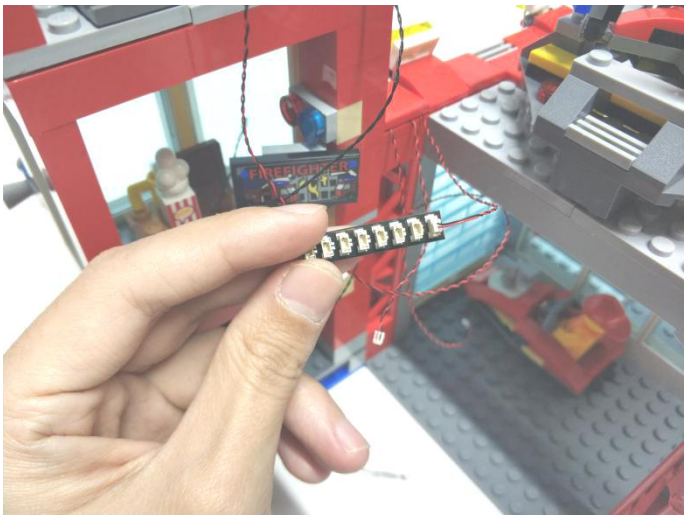
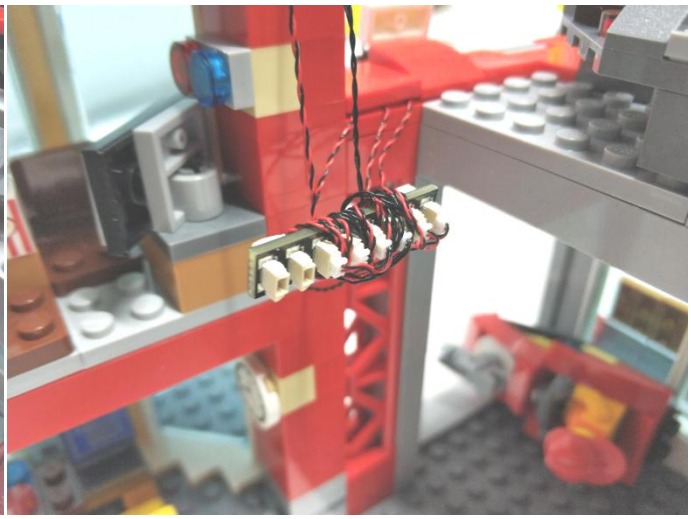
lightly lift the following gray plate, place the cable as per below

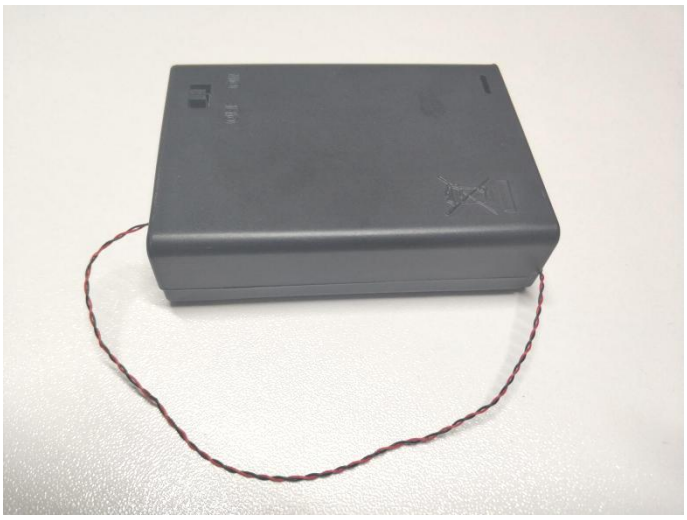


r
econnect the roof


Take an 8-port expansion board, 2 adhesive squares, stick the adhesive squares to the back of the expansion board



connect the connectors to the expansion board, tuck excess cables around the expansion board.

take the AA battery pack, connect its cable to the expansion board, tuck excess cable around the expansion board, stick the expansion board to the following place.



This completes installation of this LED Lighting Kit. ENJOY!