

WINTER VILLAGE FIRE STATION #10263 Advanced Version

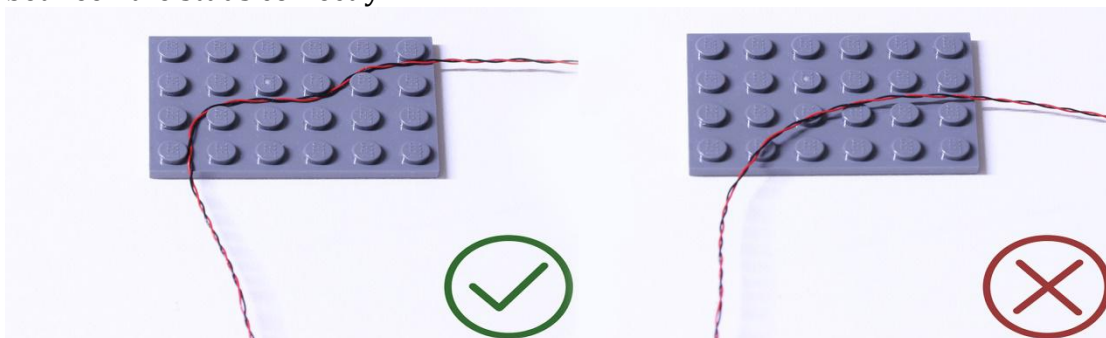
Package contents:

- 5 x 30cm Warm White Dot Lights
- 1 x 30cm Blue Dot Light
- 2 x 30cm White Dot Light
- 3 x 15cm Warm White Dot Lights
- 6 x 15cm White Dot Lights
- 1 x 15cm Warm White light
- 5 x 15cm Connecting Cables
- 1 x 5cm Connecting Cable
- 3 x Warm White Strip Lights
- 2 x 6-port Expansion Board
- 1 x 12-port Expansion Board
- 1 x Multi-Effect Board
- 1 x Multi Colour Light Strings
- 1 x Round Coin Cell Battery Pack
- 1 x AAA battery pack
- Extra LEGO pieces

Note:

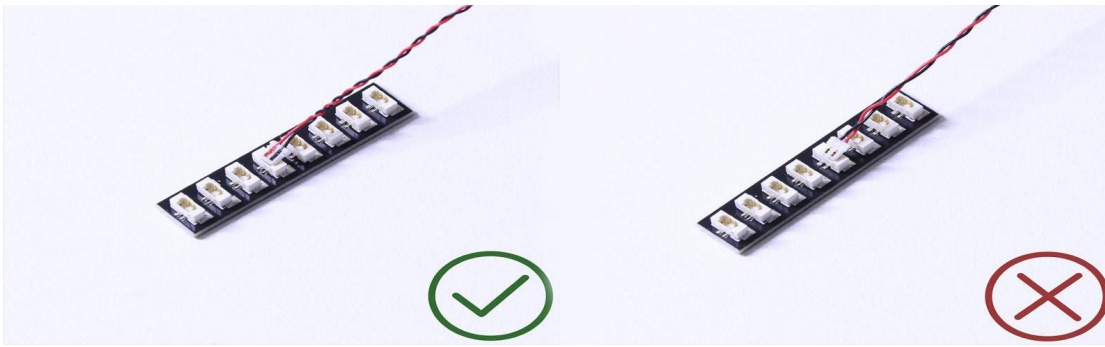
Place wires on the surface or under the LEGO building blocks.

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

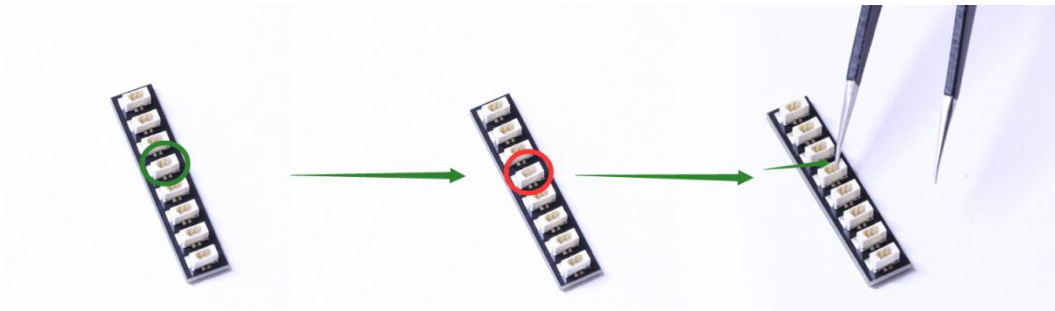


Insert the connectors to the ports.

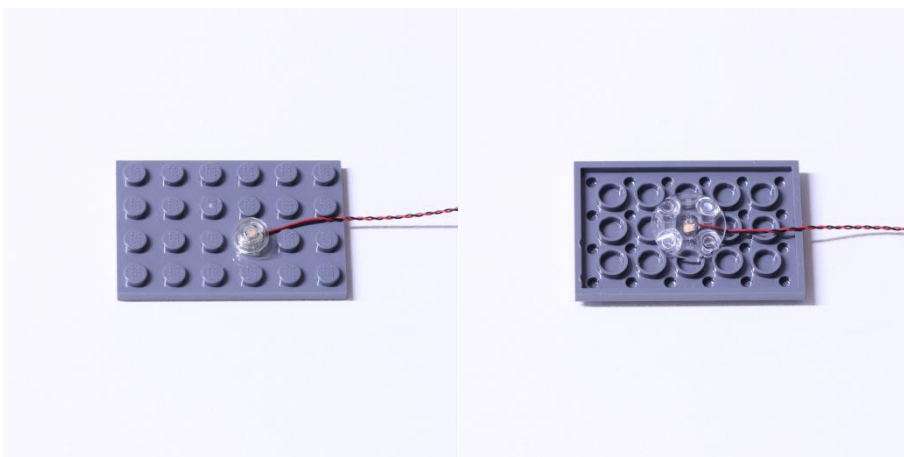
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

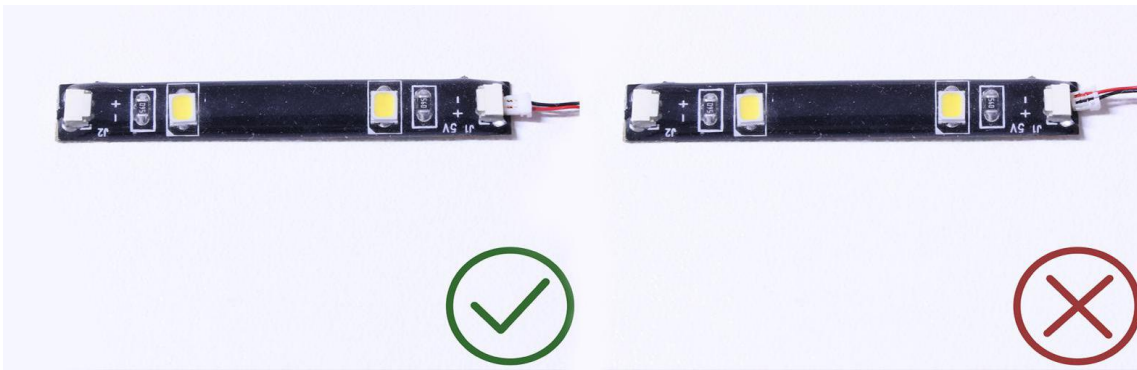


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

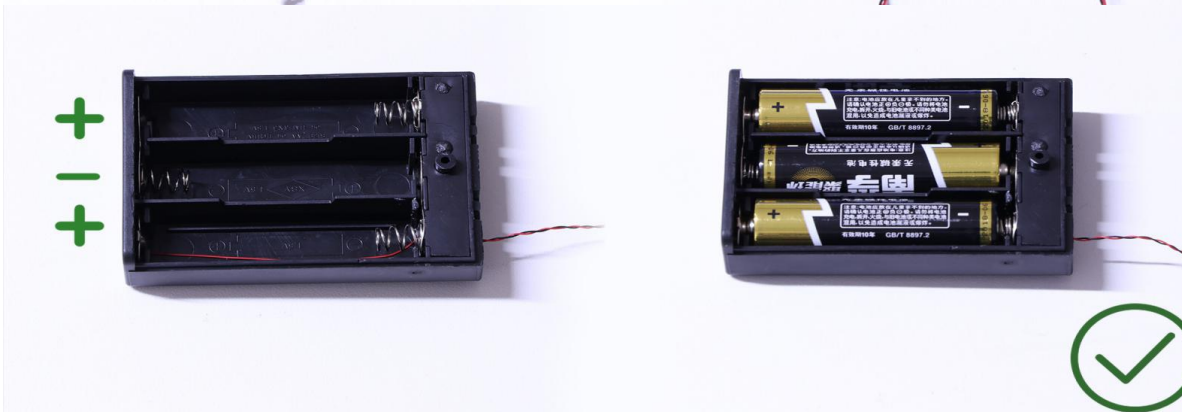


Connecting cable connectors to Strip Lights

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.

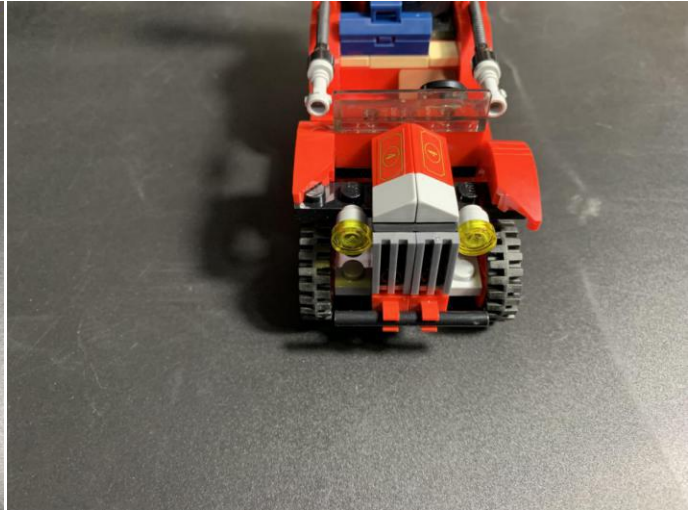


Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.

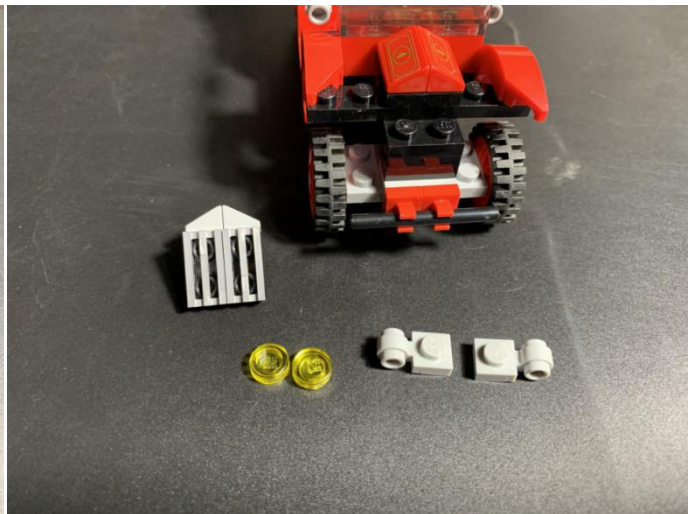
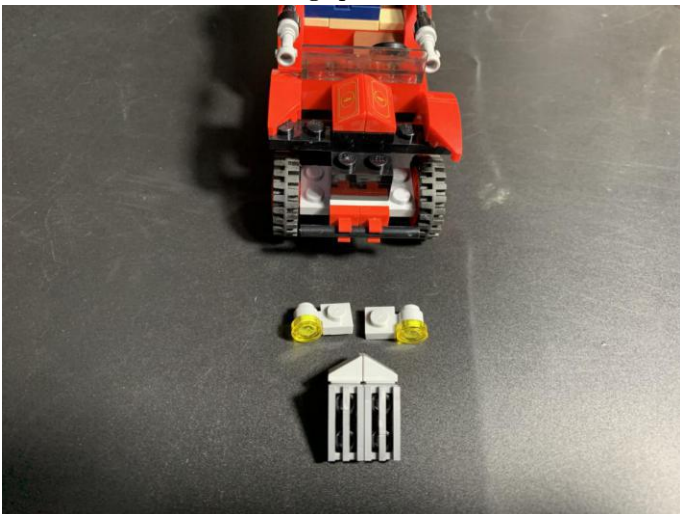


OK, Let's Begin!

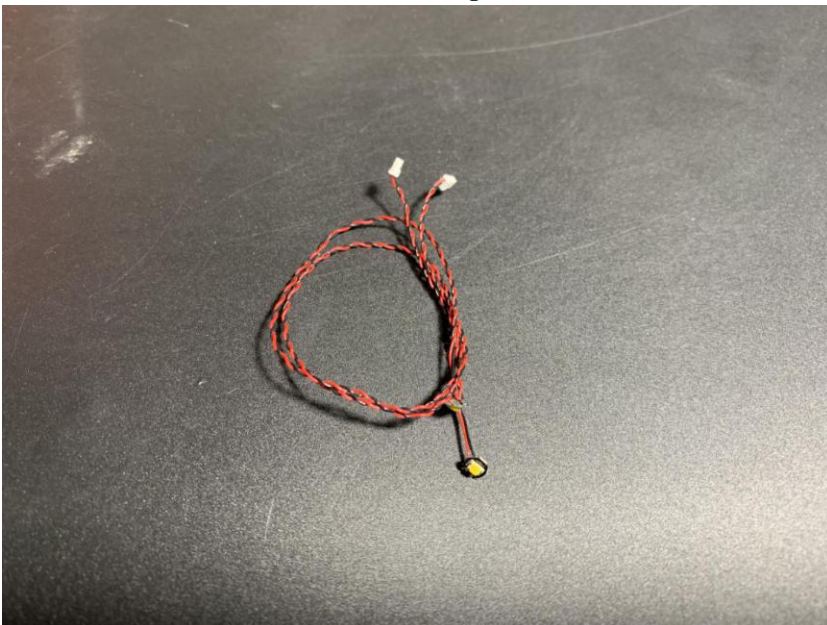
Instructions for installing this kit
let's start from installing the lights for the fire truck



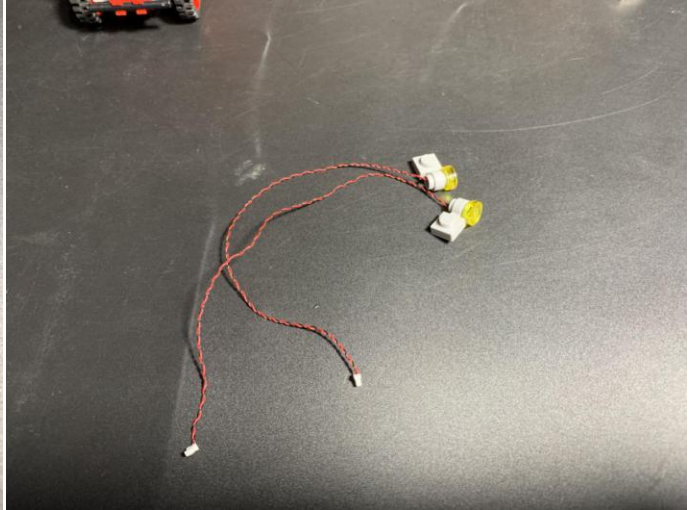
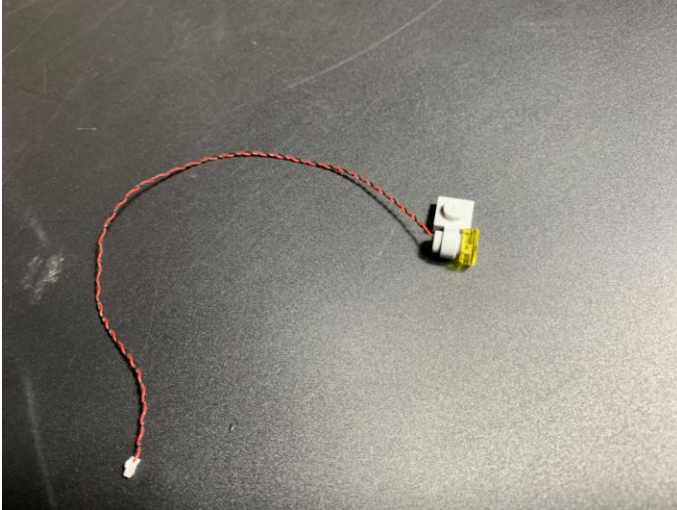
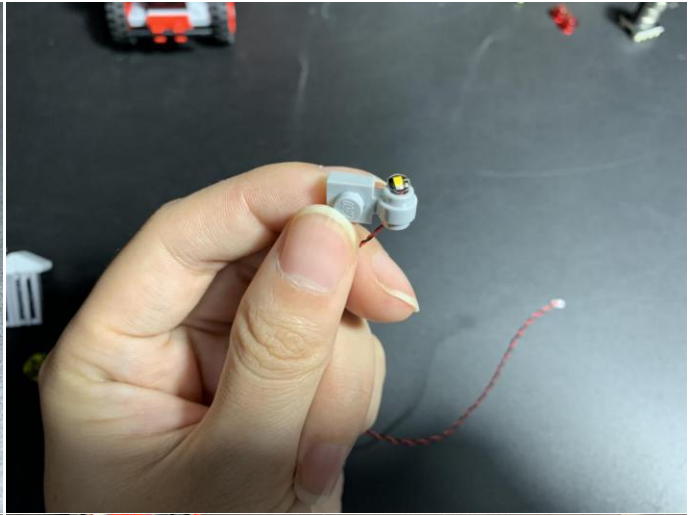
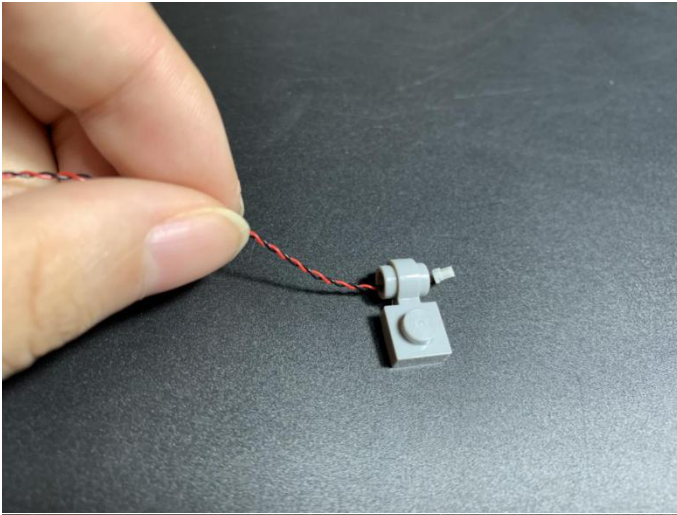
Remove the following pieces from the head of the truck



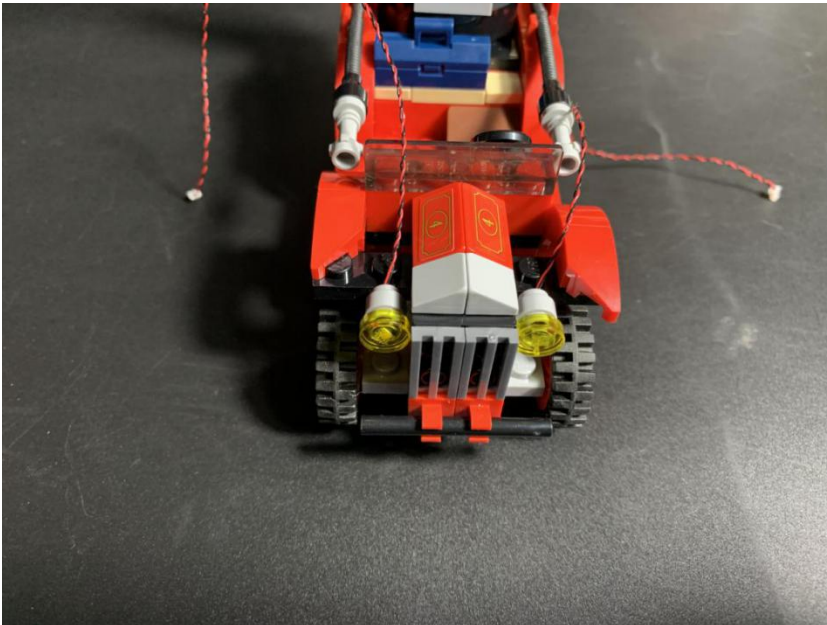
Take 2 warm white 15cm dot lights



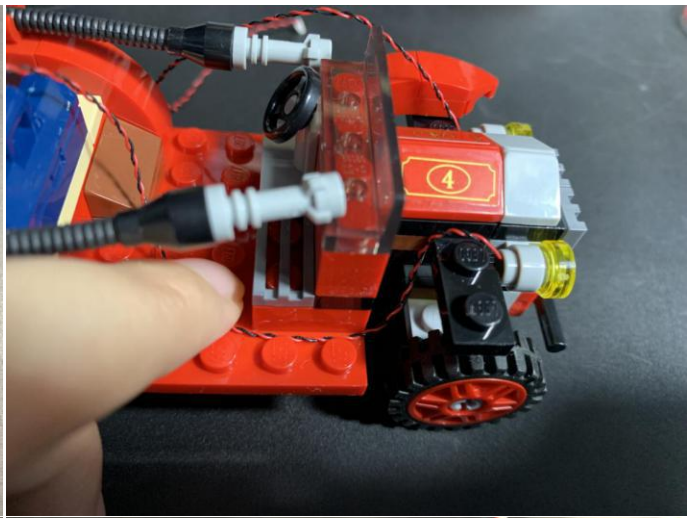
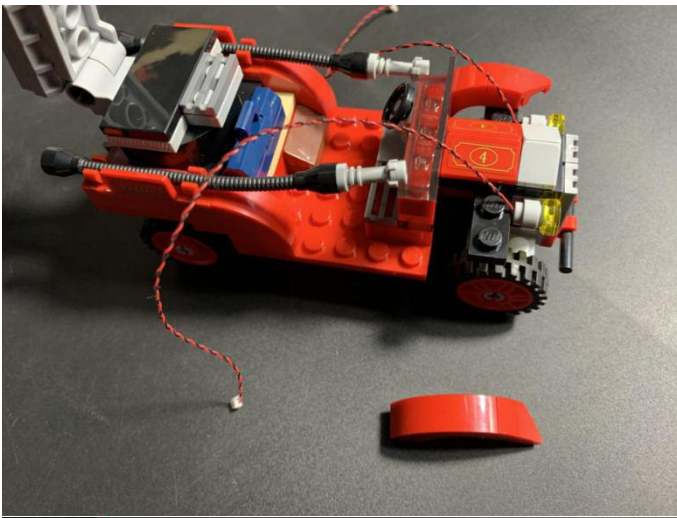
Thread the connector through the hole on the gray piece, pull it out till the light is facing up, then, secure the light by placing the trans yellow piece over it. Repeat this step to install another dot light



Reconnect the headlights back to the truck

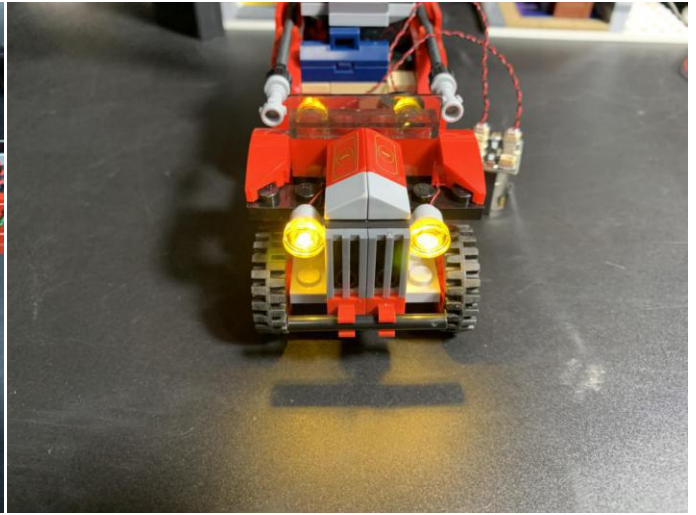
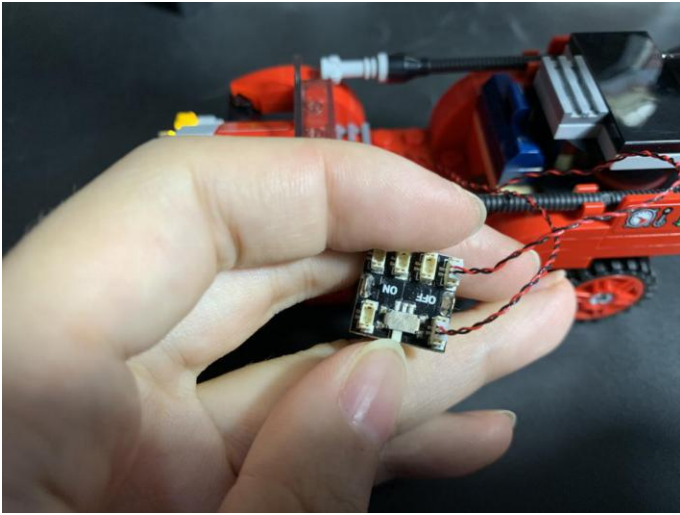


Remove the red pieces from both sides of the truck, place the cables underneath in between the studs

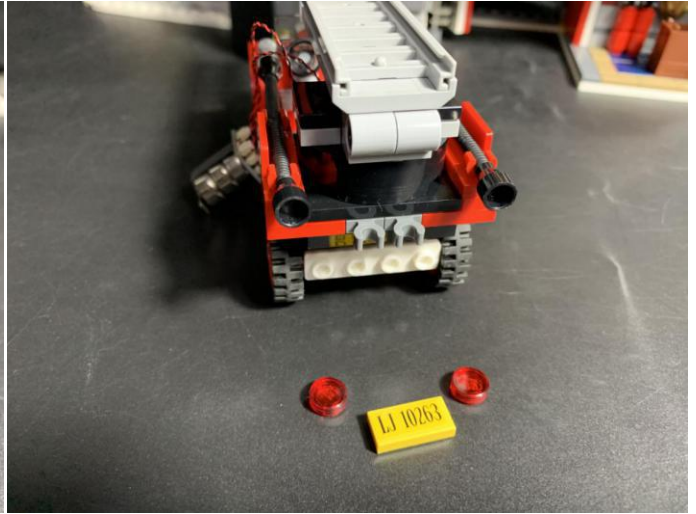


Take the Round Coin Cell Battery Pack, connect the cables to it, turn on the battery pack to test both the lights are working OK.





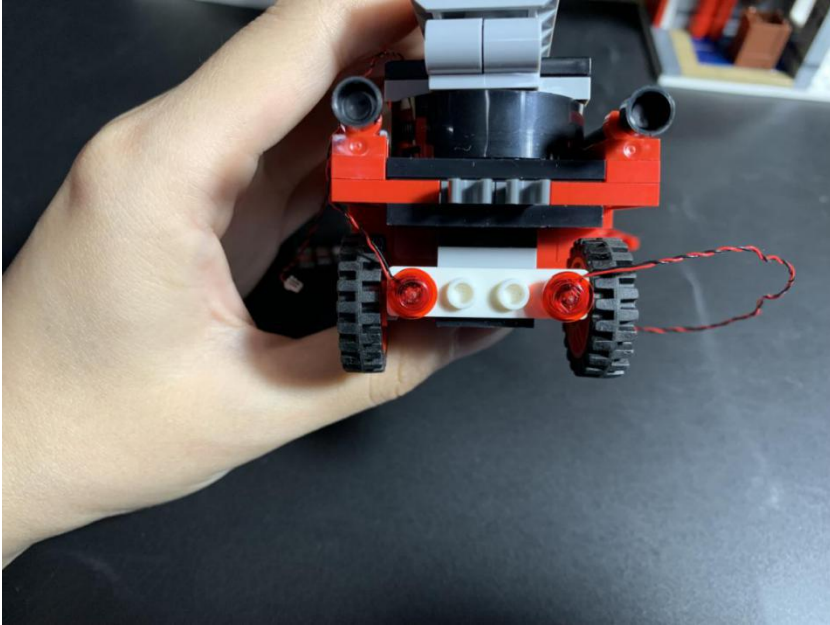
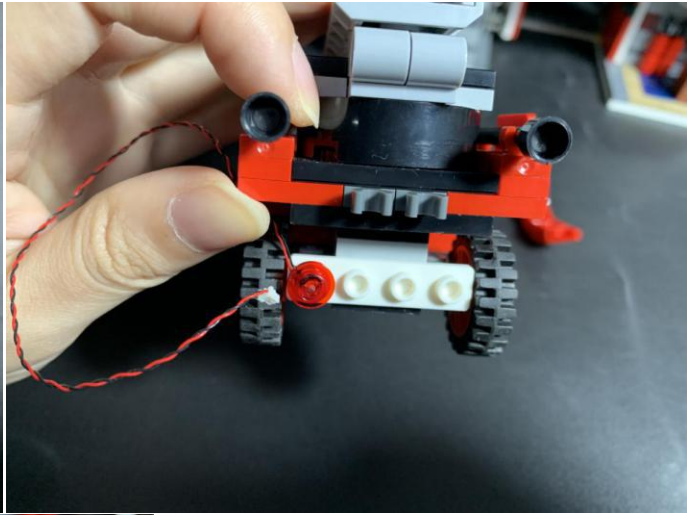
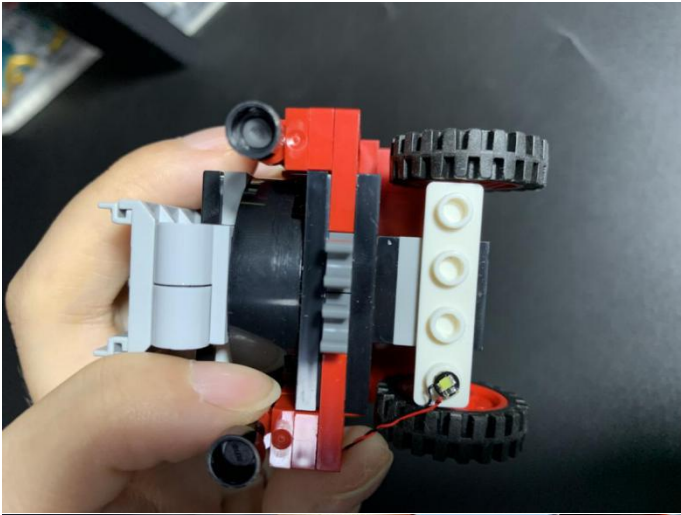
Turn the truck over, remove the following pieces from the back of the truck



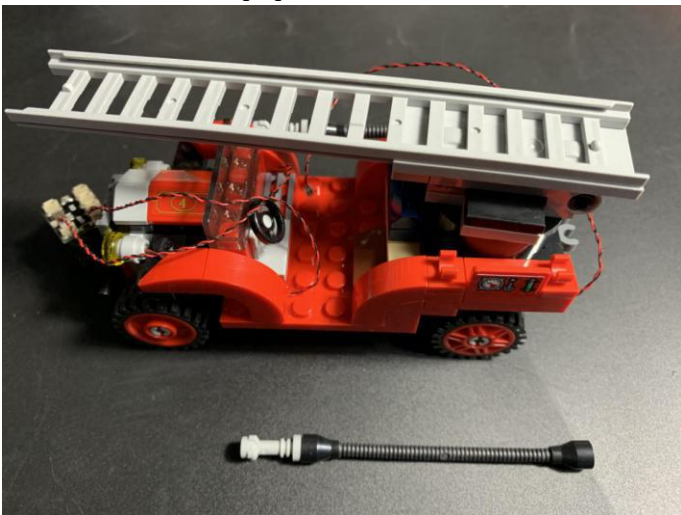
Take 2 white 15cm dot lights, 2 red 1x1 round plates

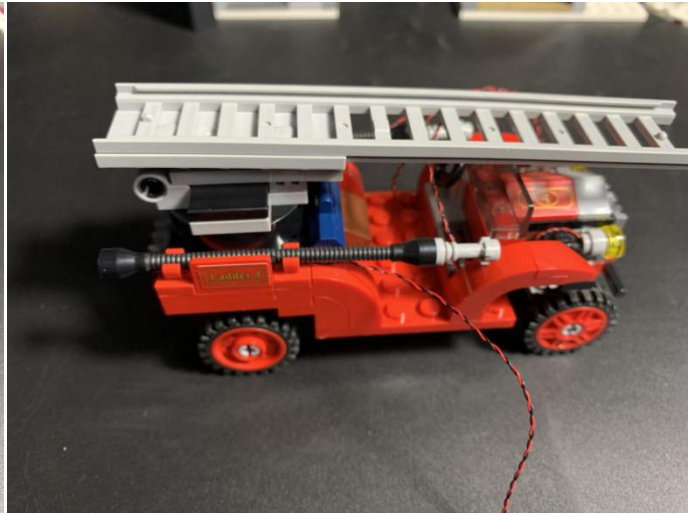
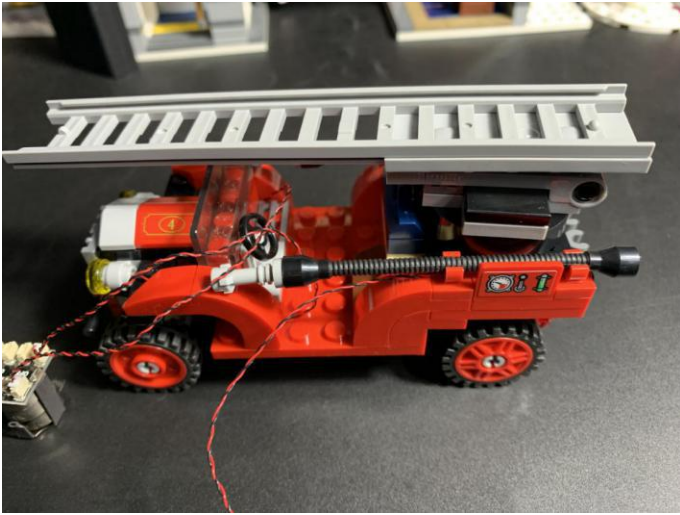


Secure the lights by separately connecting the round plates over them, then reconnect the pieces at the back of the truck

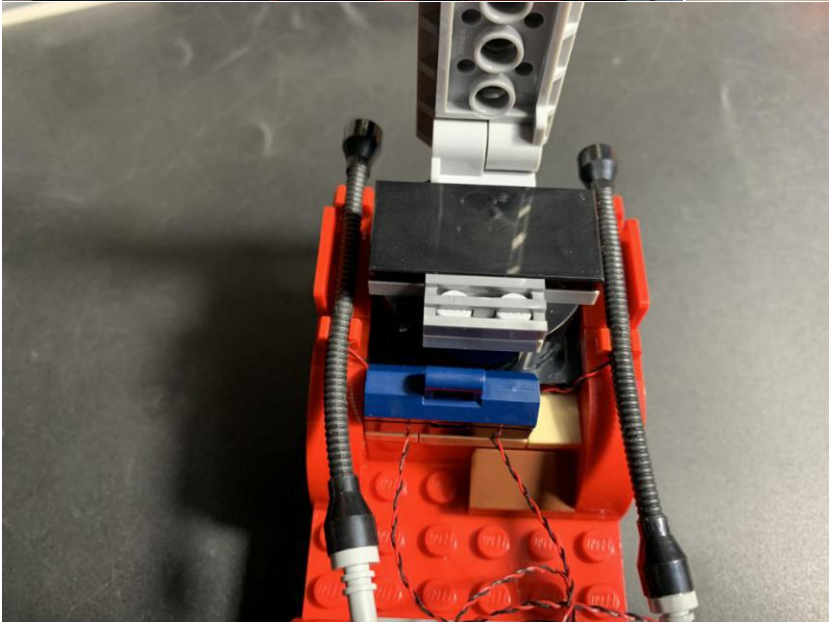
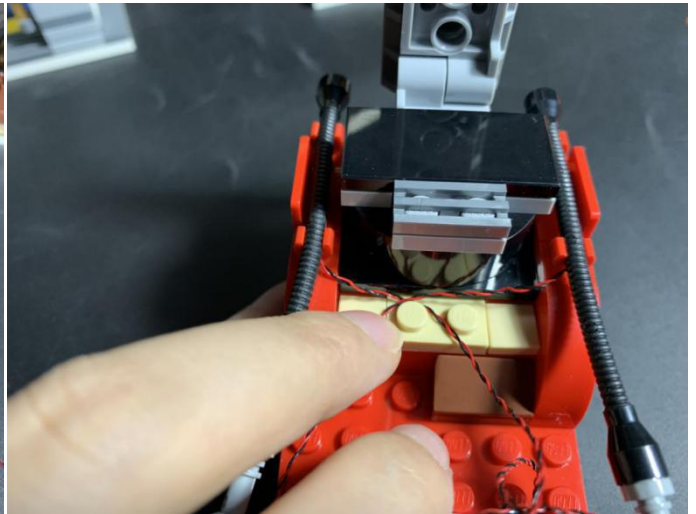
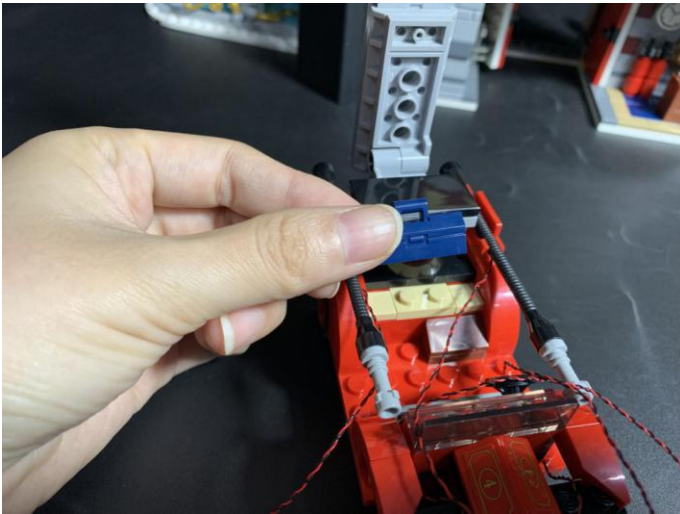


Remove the hosepipe to allow us to hide the cables under it





Remove the blue piece, so we can place the cables underneath in between studs, reconnect the piece



Connect all cables of the lights to the battery pack, group all the cables together, tuck it under the battery pack. Then, you can turn on the battery pack to verify the current



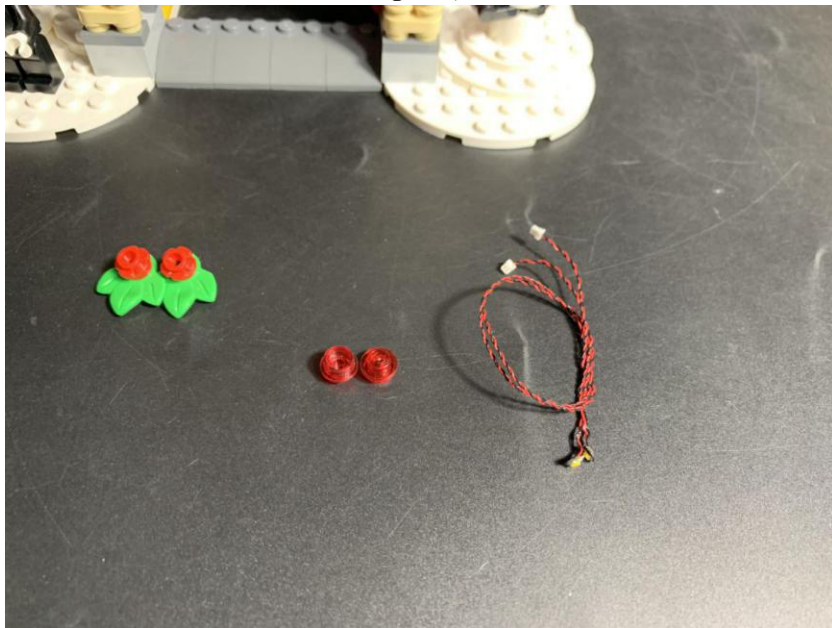
Now, we should move onto installing the lights for the building



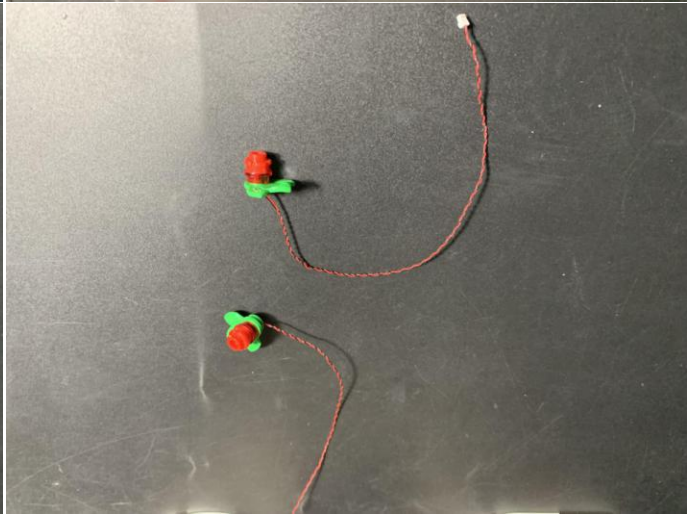
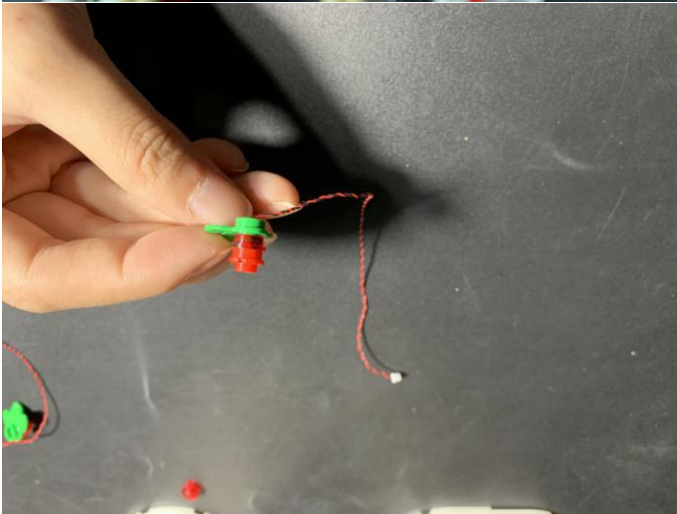
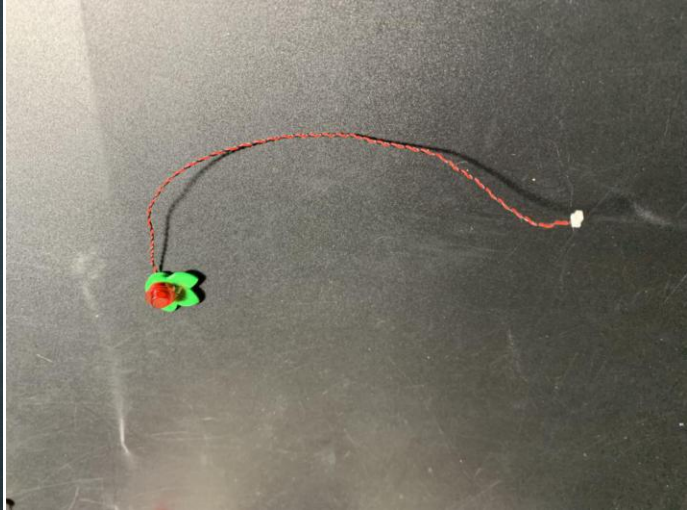
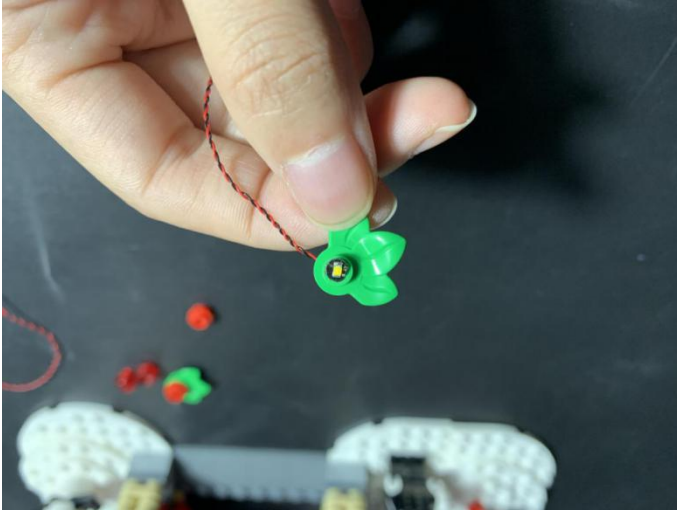
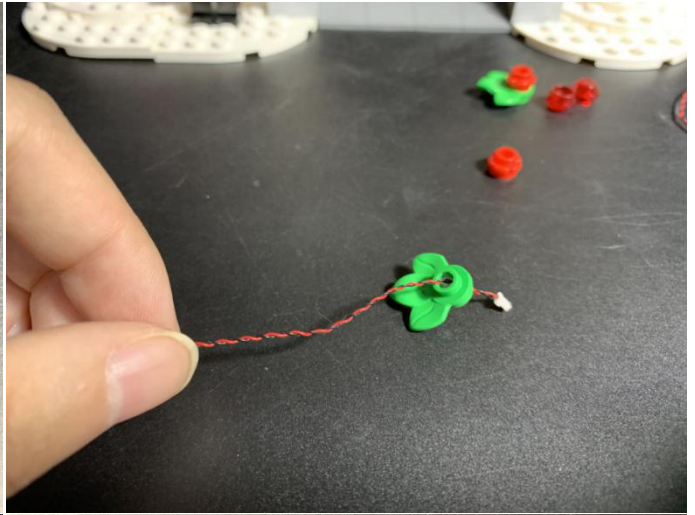
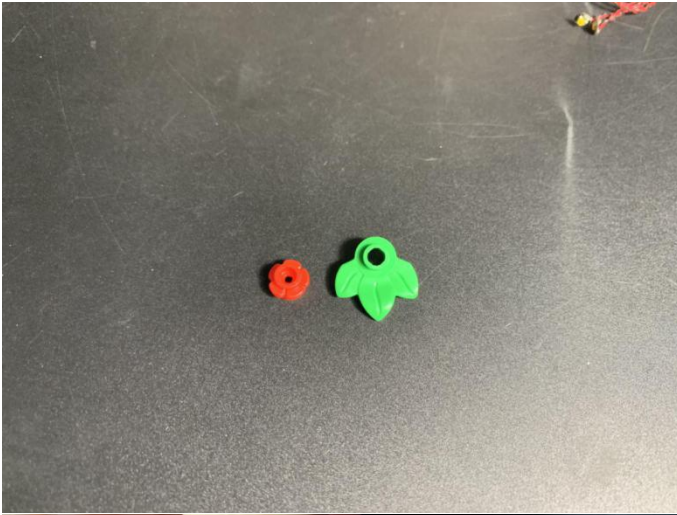
Remove the roof and the ornaments at both sides of the window.



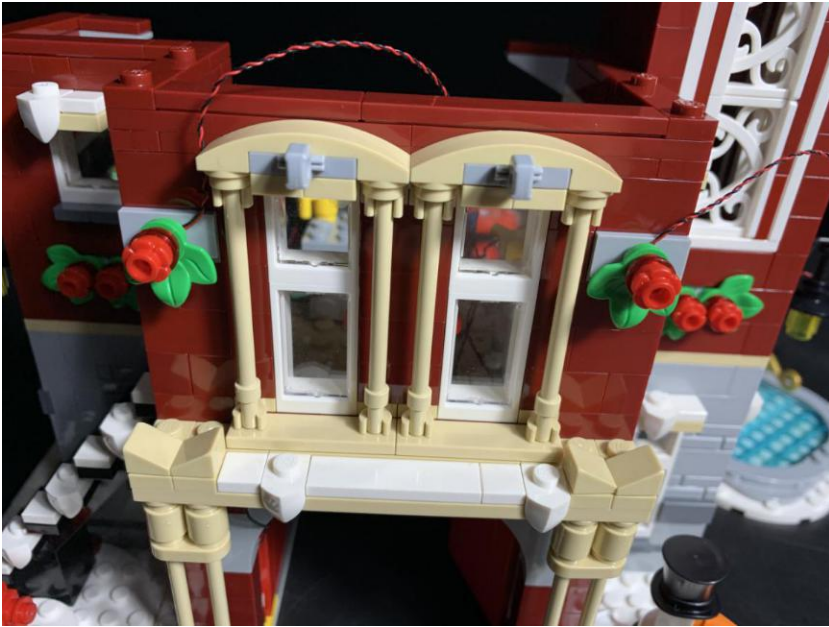
Take 2 white 15cm dot lights, a trans red 1x1 round plates



Thread the connector through the green piece, pull till the light is facing up, secure the light by connecting the trans red piece over, then, reconnect the red flower piece.



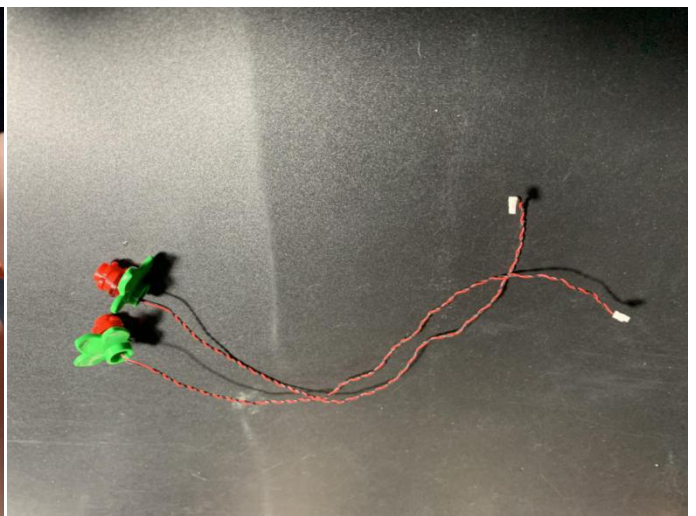
Reconnect the ornaments back in place.



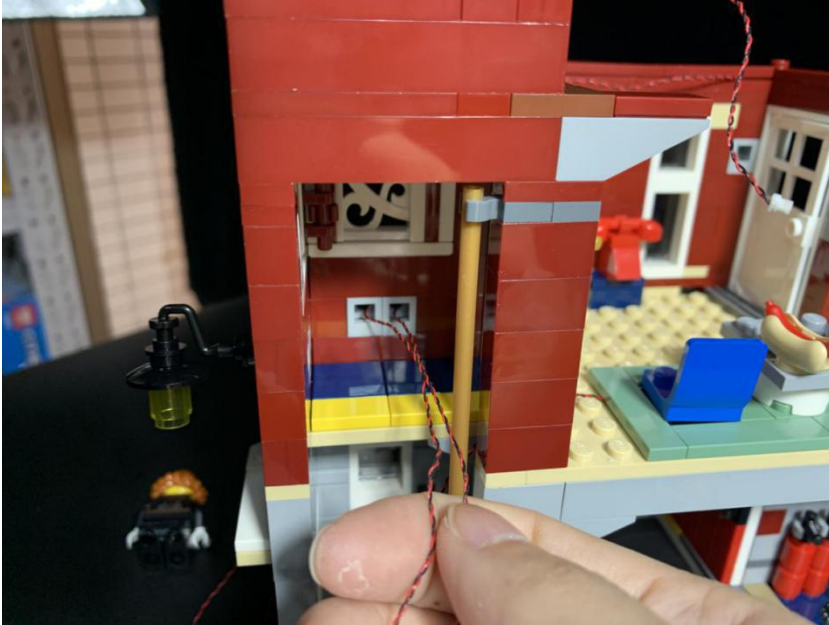
Lift the plates above the windows to allow us to place the cables underneath in between studs, thread the cables to the inside of the building



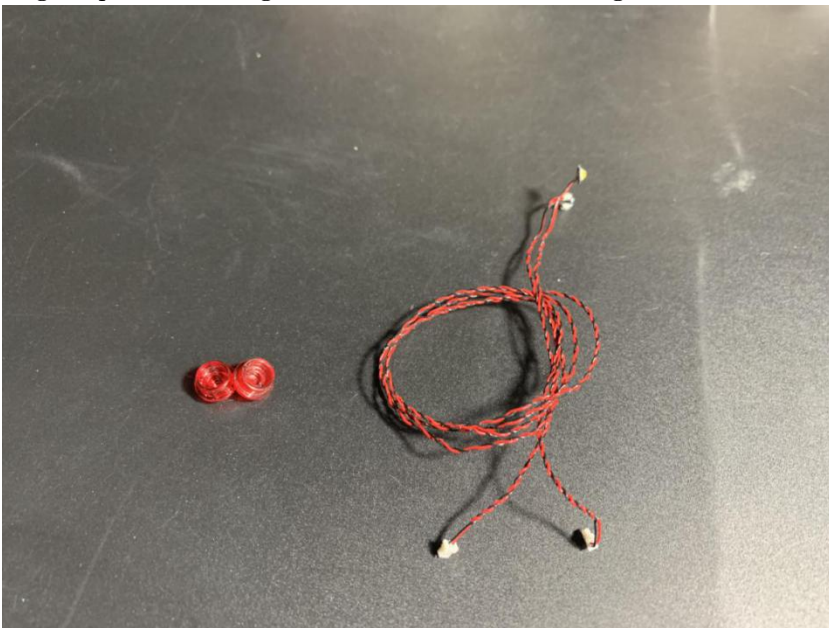
Take 2 white 15cm dot lights, 2 trans red 1x1 round plates, repeat the previous steps to install lights for the following ornaments



Thread the connectors through the holes on the wall



Take 2 white 30cm dot light, 2 trans red 1x1 round plates. Repeat the above steps to install another 2 ornaments in the following place, pull the cables out from inside of the building, group half length of the 2 cables together

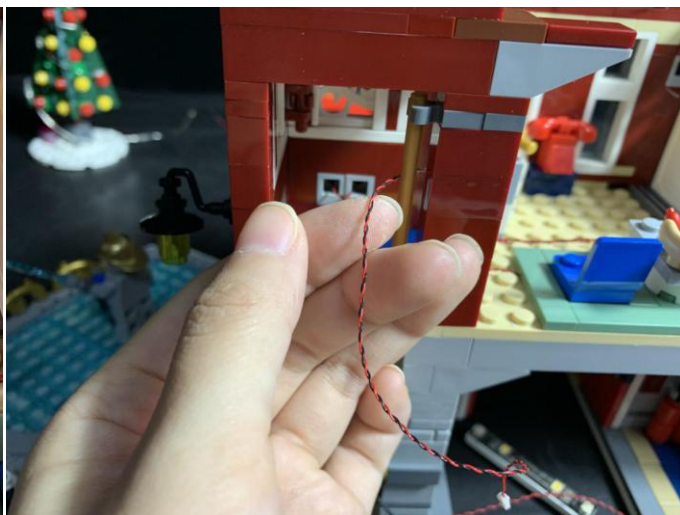




Lift the cooking stove, remove the tap.



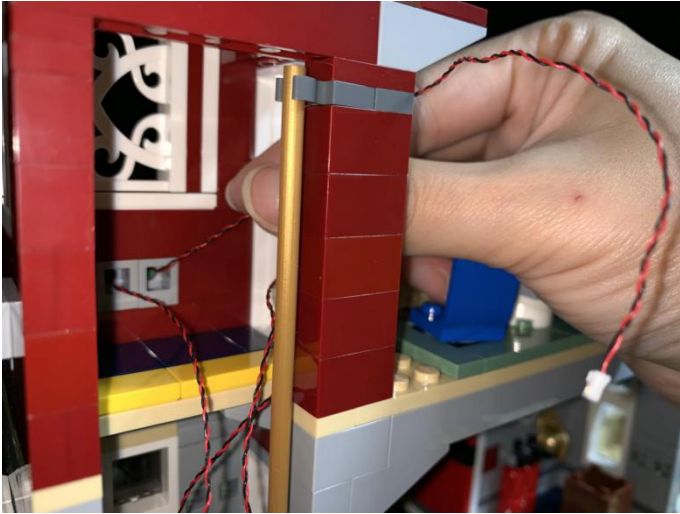
Pull one of the cables up to the roof, pull the other cable to the room at the left side.
Reconnect the stove and the tap



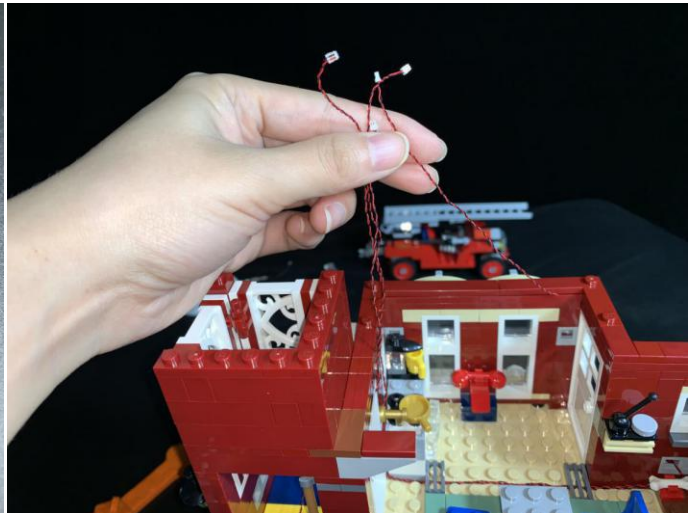
Secure the cables by connecting the following gray plates over them



Pull the cable from one of the flowers at the left side to the room at the right

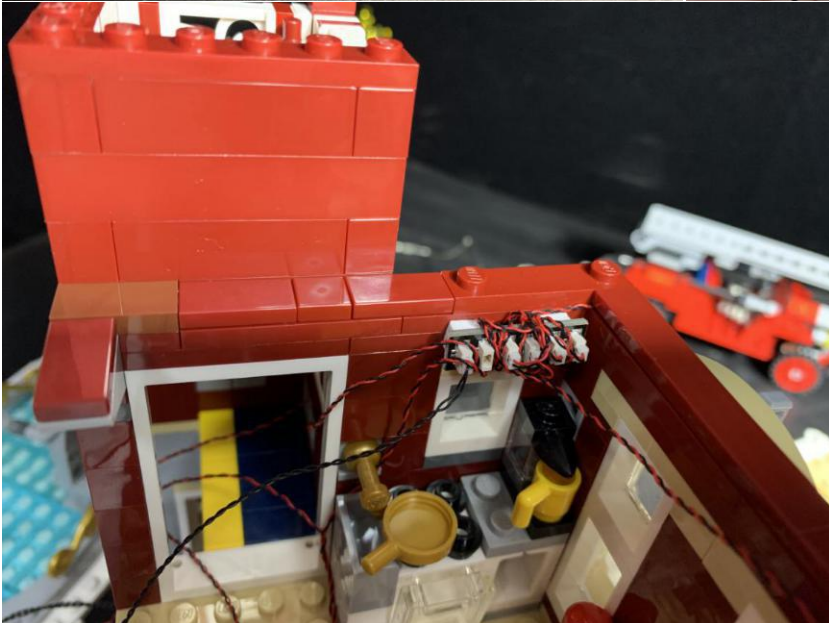


Take a 6-port expansion board, stick tapes at both sides, connect all the 4 cables inside the room to it. Tuck excess cable on the board

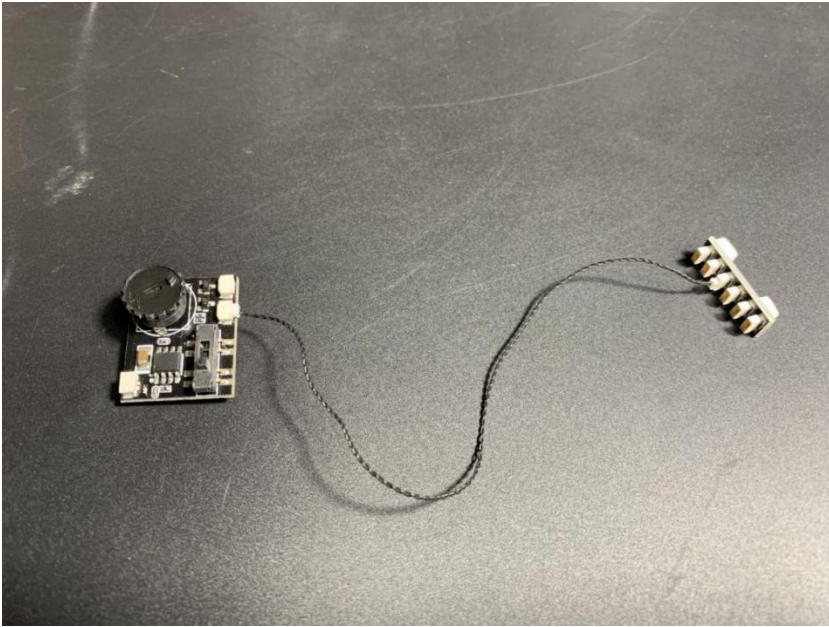




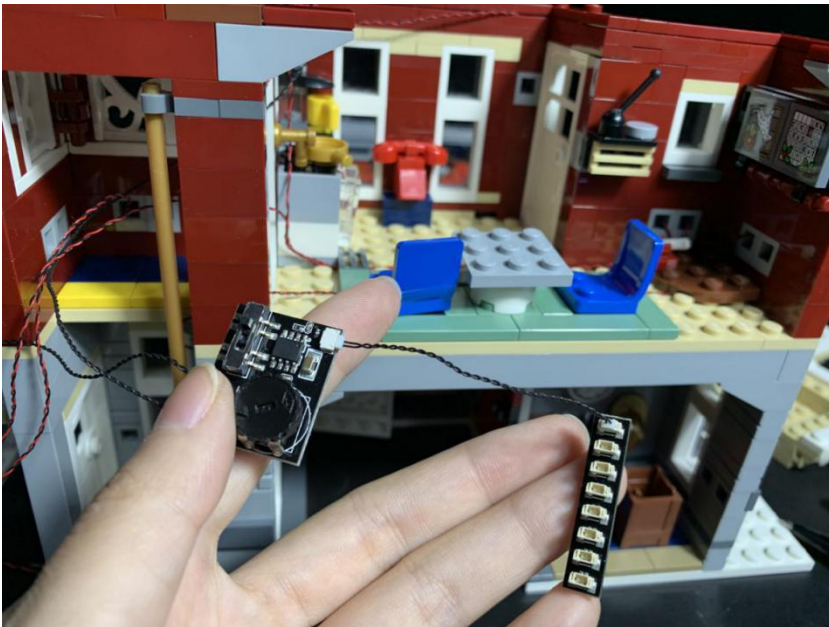
Take a 15cm connecting cable, connect it to the 6-port expansion board. Place the expansion board at the following position



Take a Multi-Effect Board, a 15cm connecting cable, a 6-port expansion board. Assemble them together as per below, connect the other side of the previous 15cm connecting cable to the Multi-Effect Board



Take a 5cm connecting cable, a 12-port expansion board, connecting them together as per below (in the following picture, we only use the 8-port expansion board for demonstration)



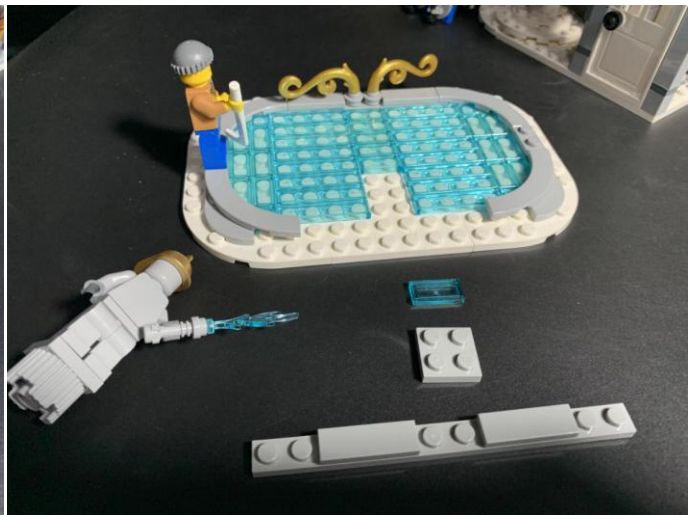
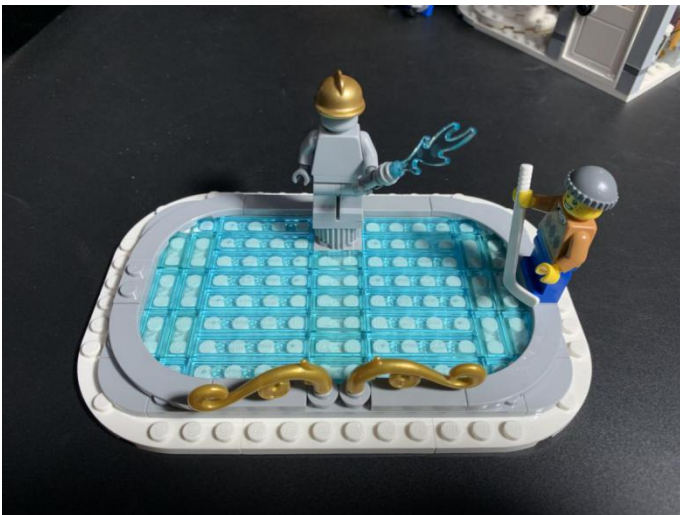
Secure the Multi-Effect Board at the following place by using the tapes



Connect the cables of the lights in the left room to the 6-port expansion board



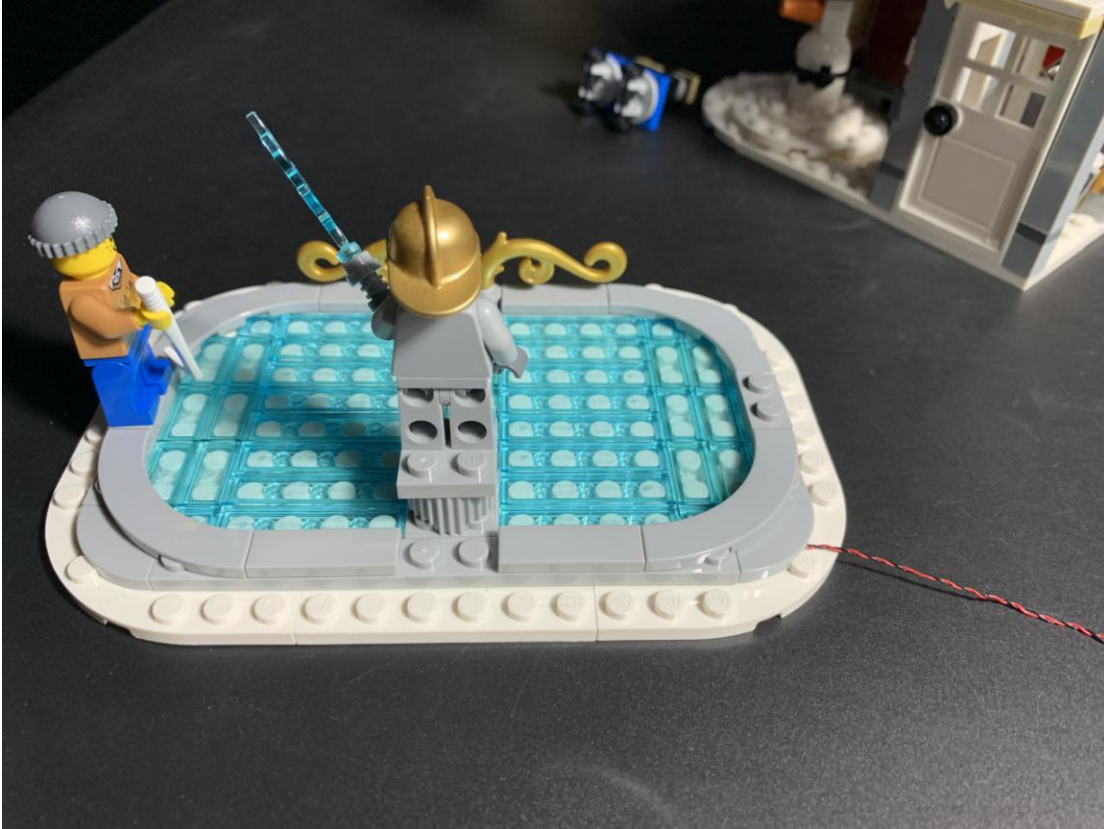
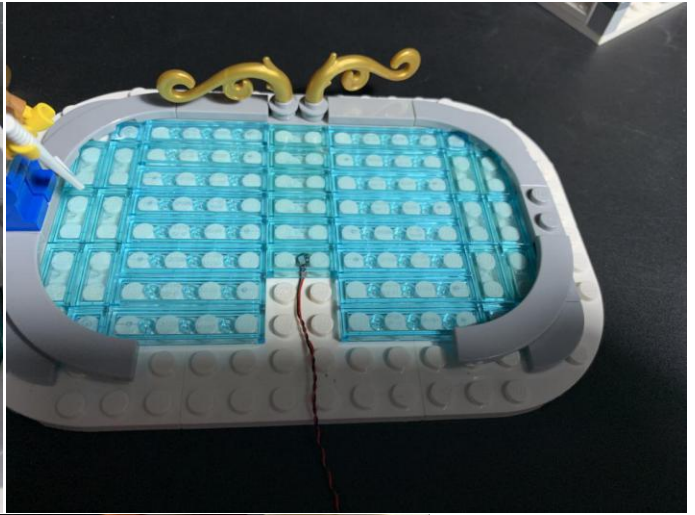
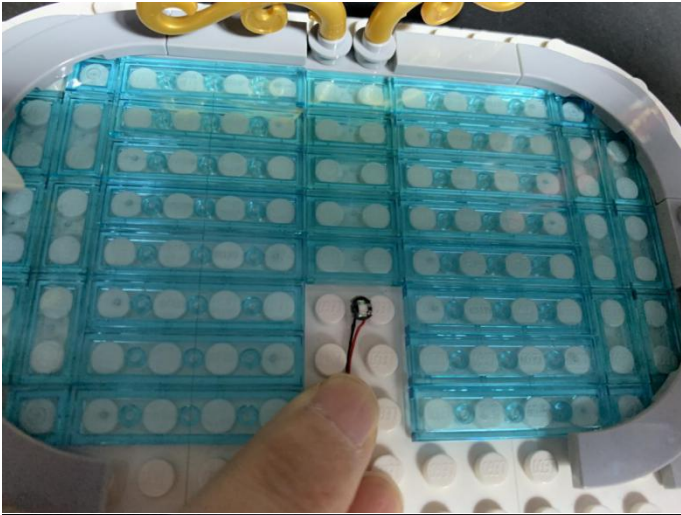
Then, we' ll continue to install the lights at the stating rink. Remove the following pieces.



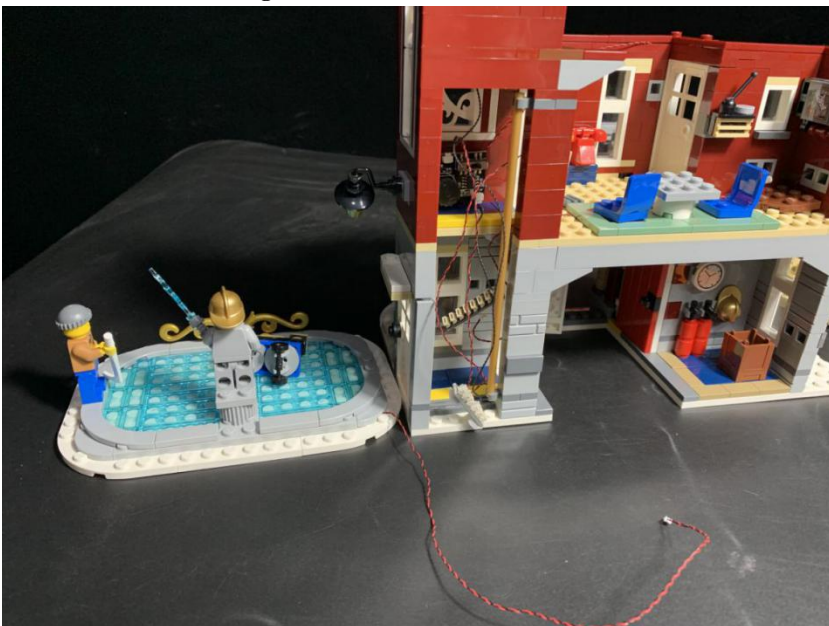
Take a 30cm blue dot light



With the LED component facing up, secure the dot light by connecting the blue plate over. Place the cable in between studs before reconnecting the pieces. Note: pull the cable out from the right side



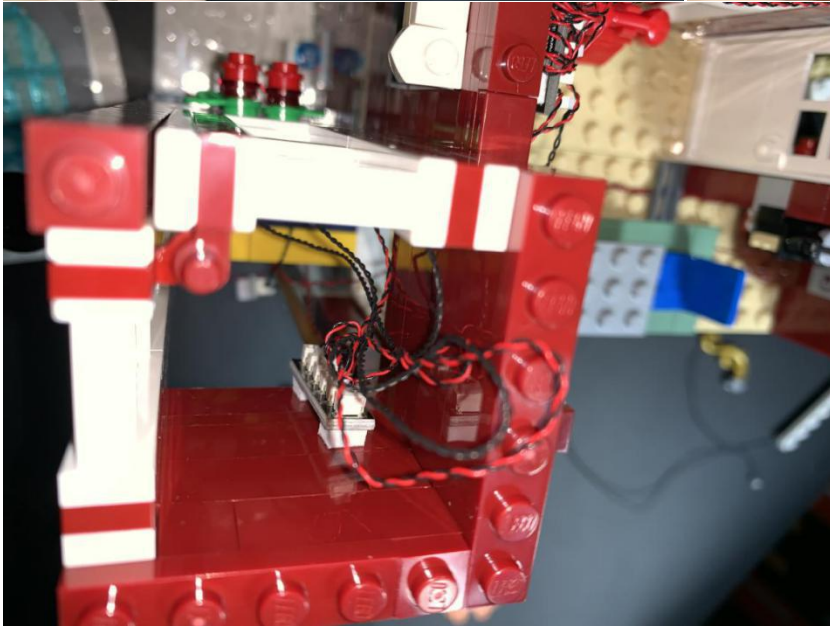
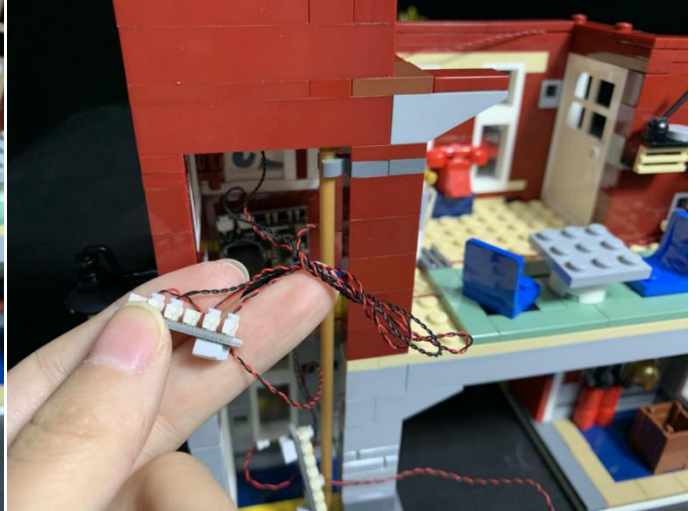
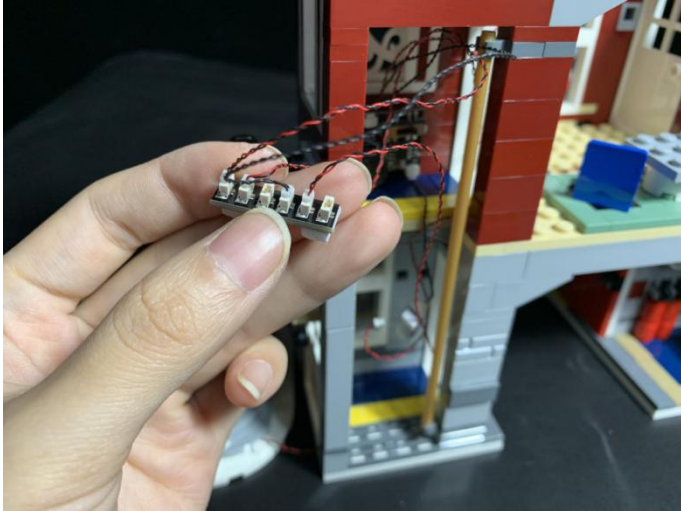
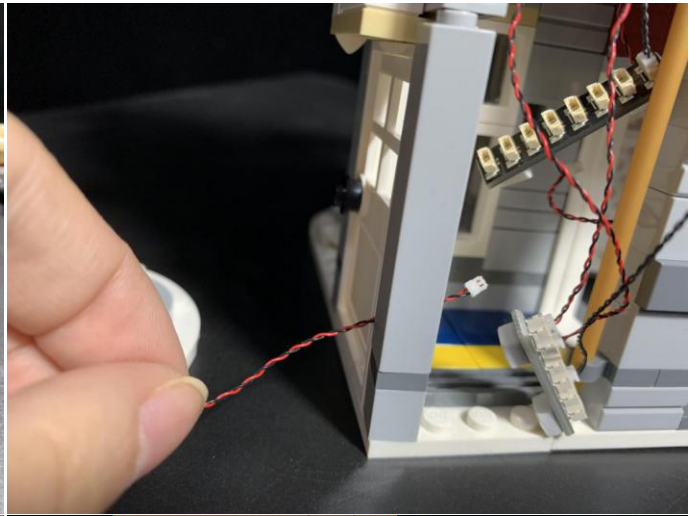
Place the skating rink at the left side of the building



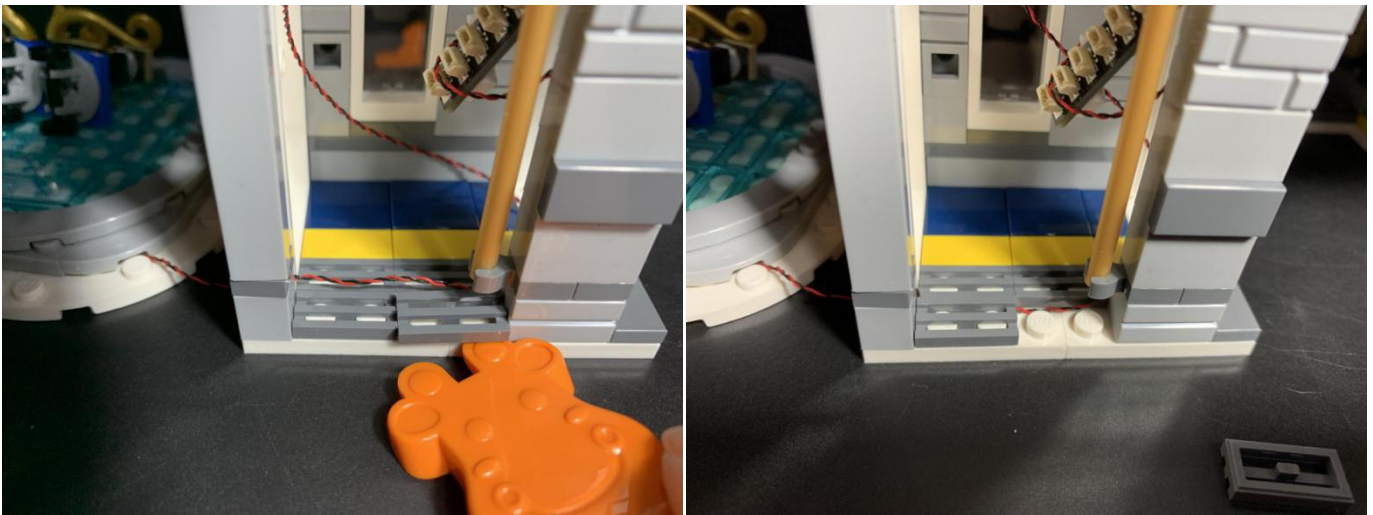
Slightly separate the piece beside the door, thread the connector of the blue light through

the gap into the building, connect it to the 6-port expansion board, twist all the cables but the cable of the blue dot light on the expansion board into one.

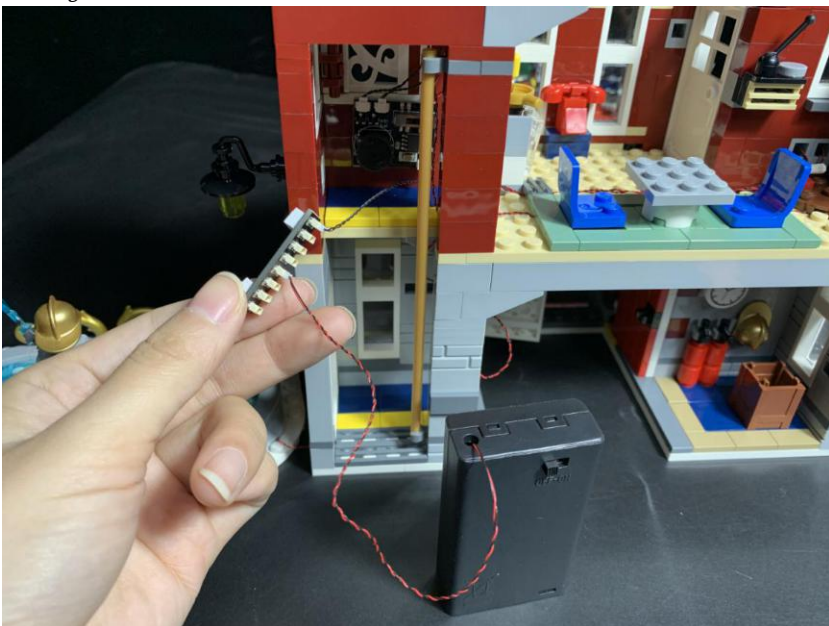
Using tapes to stick the expansion board on the wall inside the building, tuck the excess cables inside the tower



Remove the following gray piece, pull the cable of the blue dot light down along the wall, leave enough length to ensure the skating rink can move flexibly. Place the cable underneath in between studs before reconnecting the gray piece



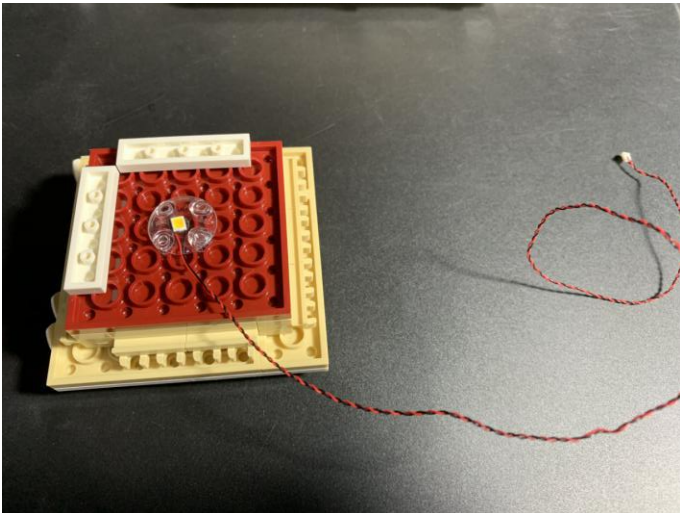
Insert the AAA battery pack with batteries, connect its cable to the 12-port expansion board, then, you can turn on the battery pack to check the lights for the ornaments. You can also adjust the wheel and the switch on the Multi-Effect Board to choose your favorite effect



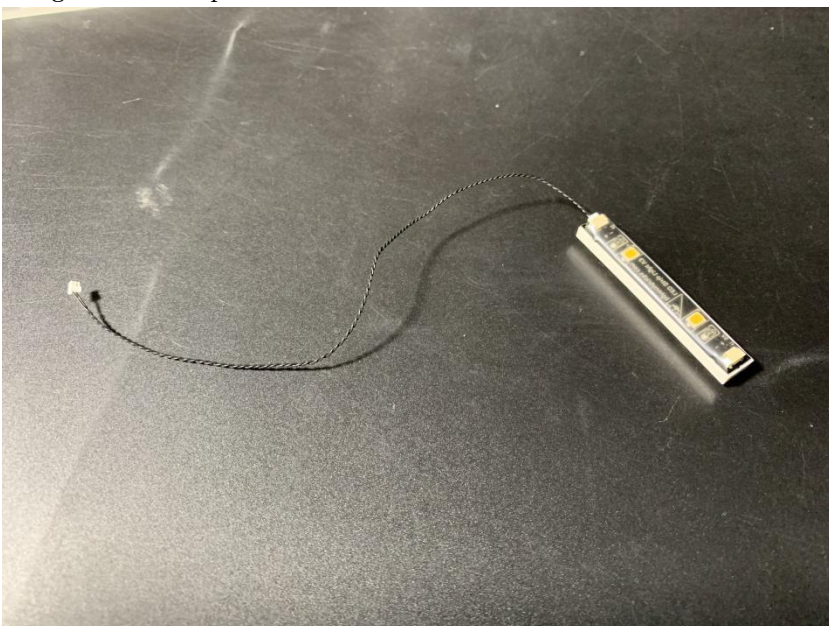
Take a 15cm warm white light, a trans 1x2 round plate



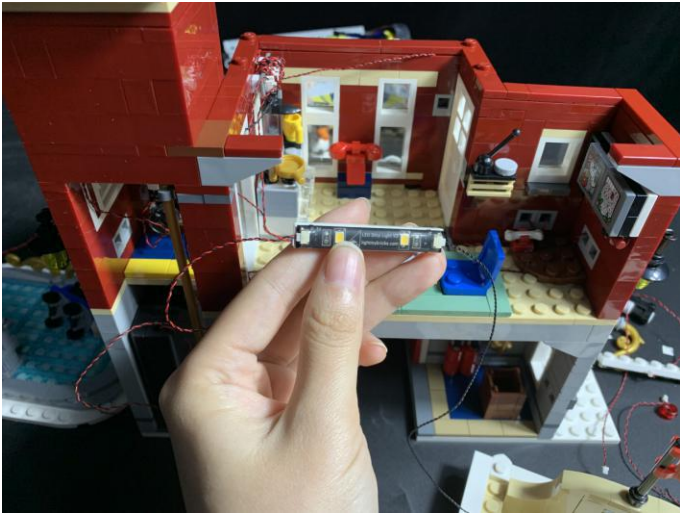
Connect them to the roof of the tower as per below, thread the cables inside the tower, pull the cable out from the right room



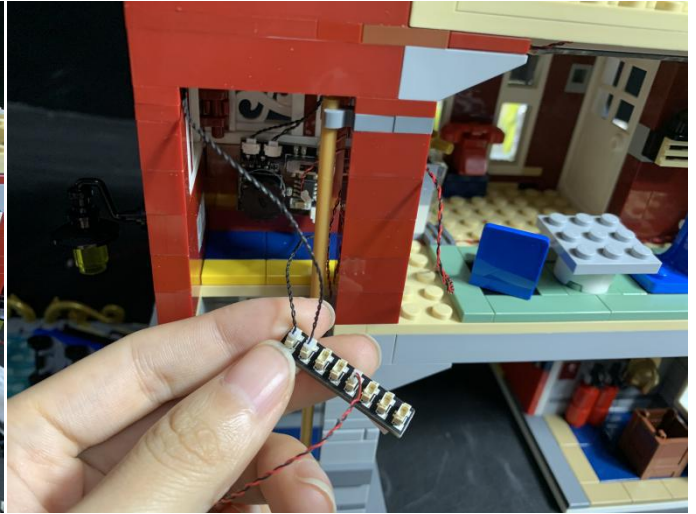
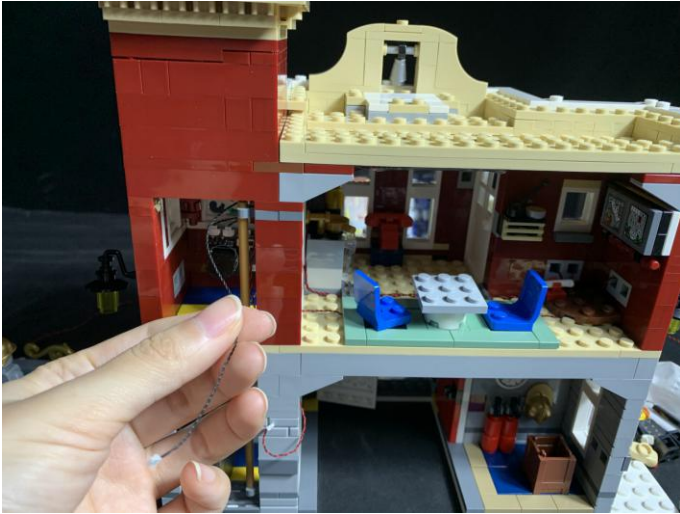
Take a 15cm connecting cable, a warm white strip light, a 1x6 white plate. Assemble them together as per below



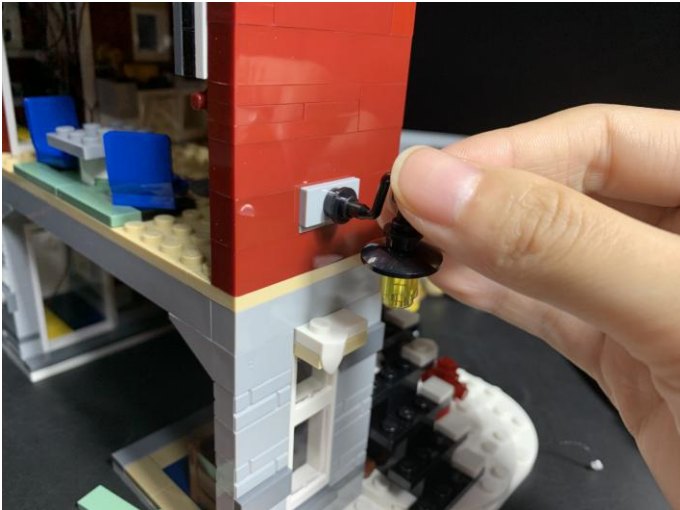
Connect the cable of the light to the other port of the strip light, connect the strip to the roof at the following place. Note: leave the cable of the light facing right, place the cable underneath the plate



Pull the 15cm connecting cable to the left, connect it to the 12-port expansion board



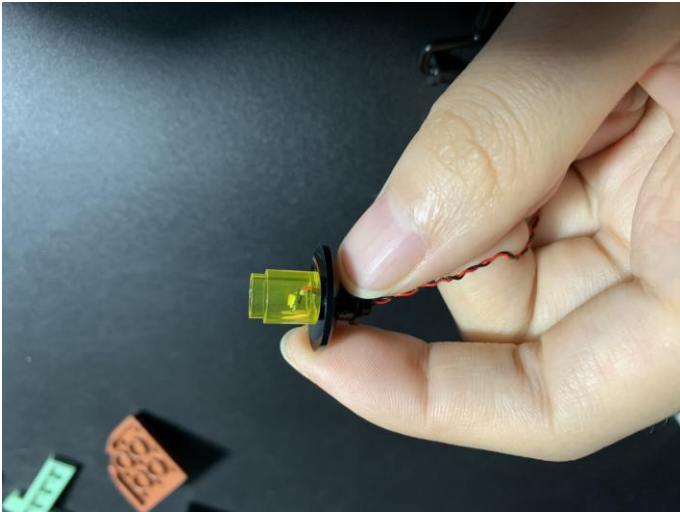
Remove the lamp at the side of the building, disassemble it as per below



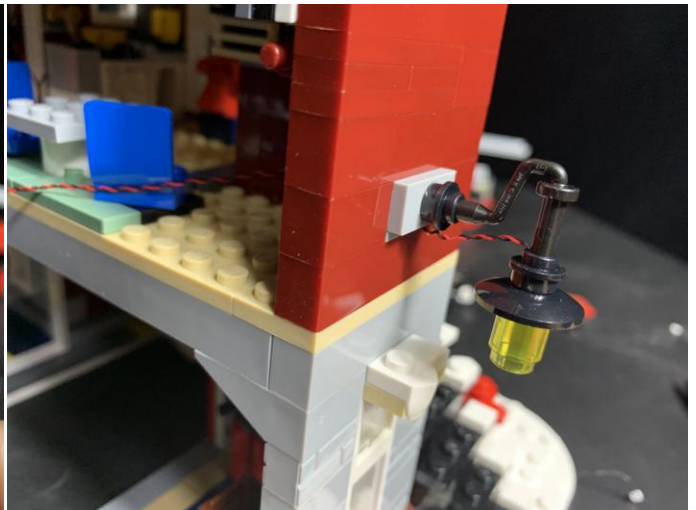
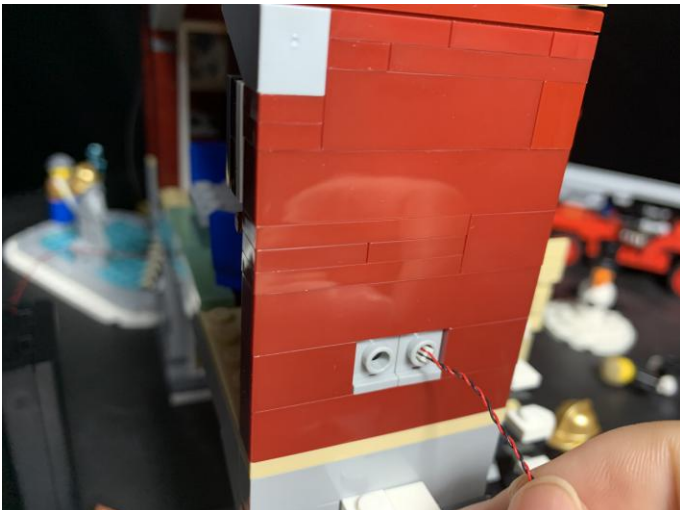
Take a 30cm warm white dot light



Connect it to the lamp as per below, remember not to reconnect the pin forcibly.



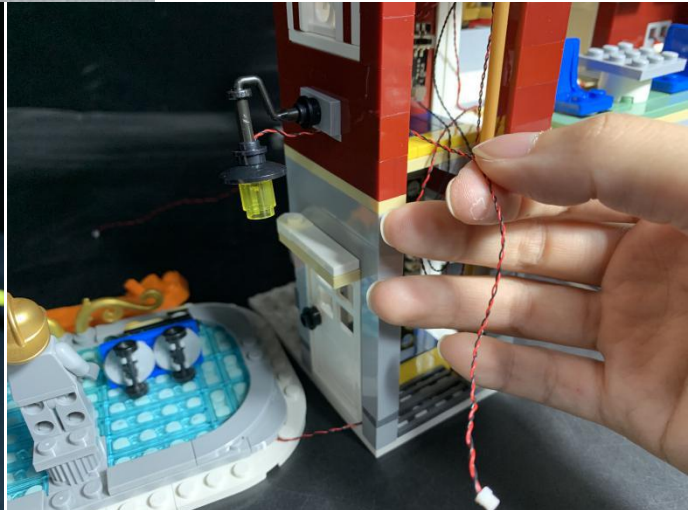
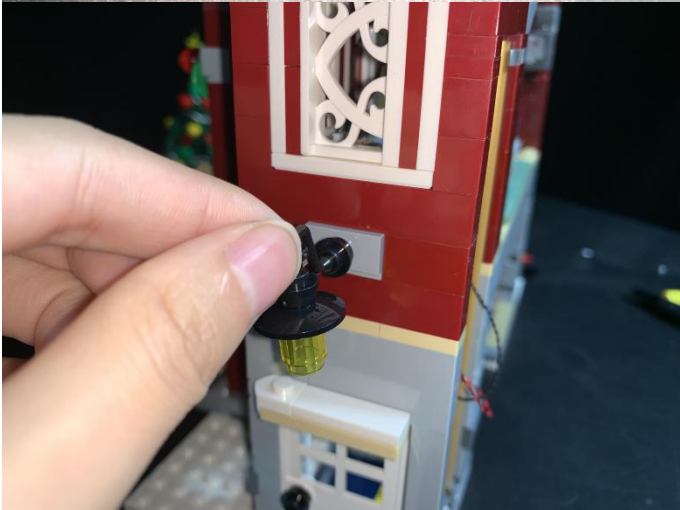
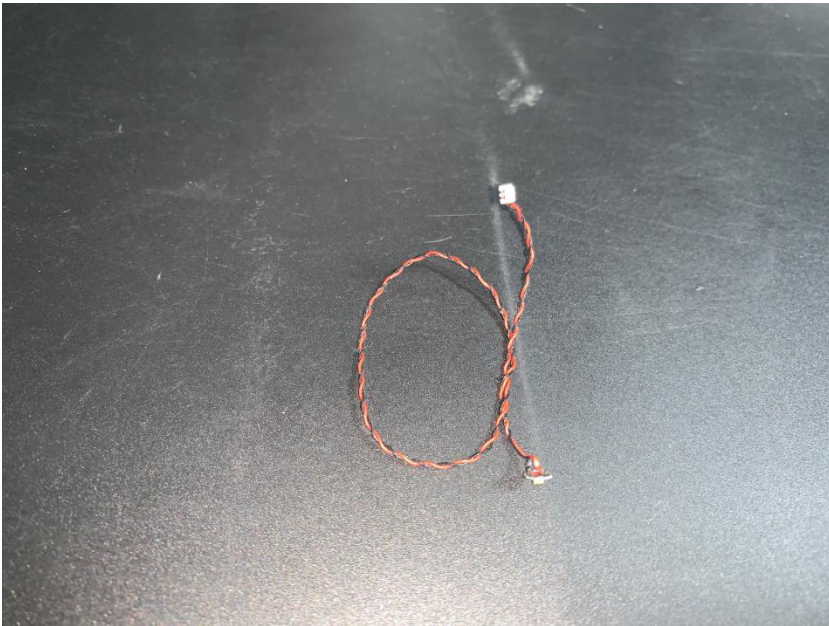
Thread the connector to the inside of the building, reconnect the lamp



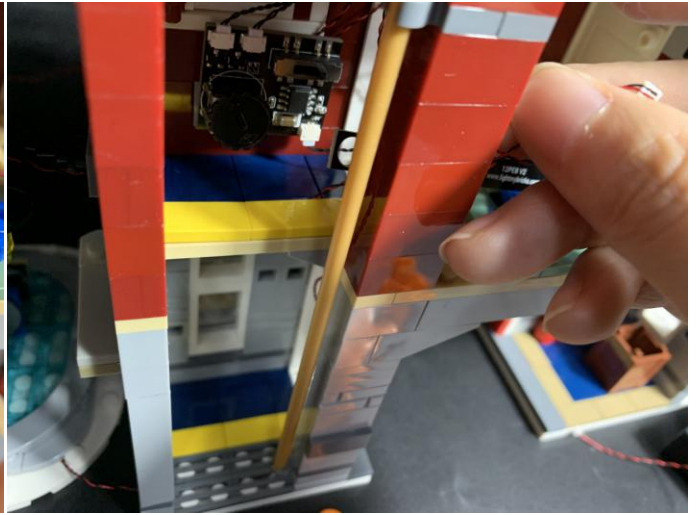
Pull the cable to the left side, secure it by connecting the gray plate over



Take a 15cm warm white dot light, repeat the previous steps to install the lamp at the other side



Place the cable underneath the yellow plate before connecting it to the 12-port expansion board



Take a 15cm connecting cable, a warm white strip light, assemble them together as per below



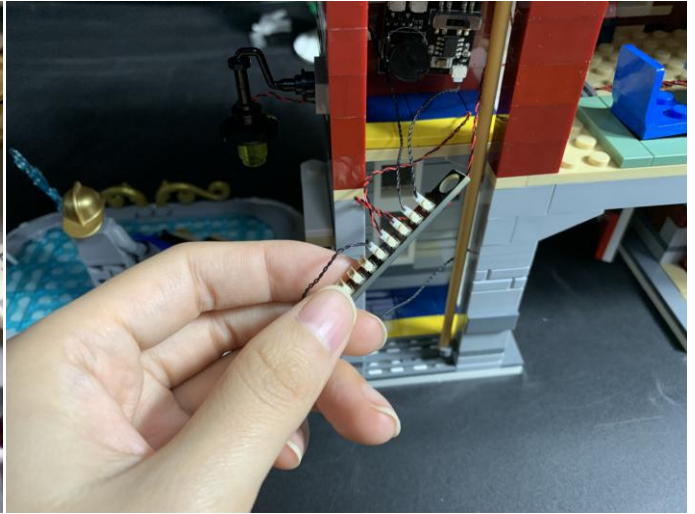
Stick the strip light under the roof of the door, thread the 15cm connecting cable through the door to the back



Take another 15cm connecting cable, a warm white strip light, a 1x6 white plate. Assemble them together before connecting it to the previous 15cm connecting cable



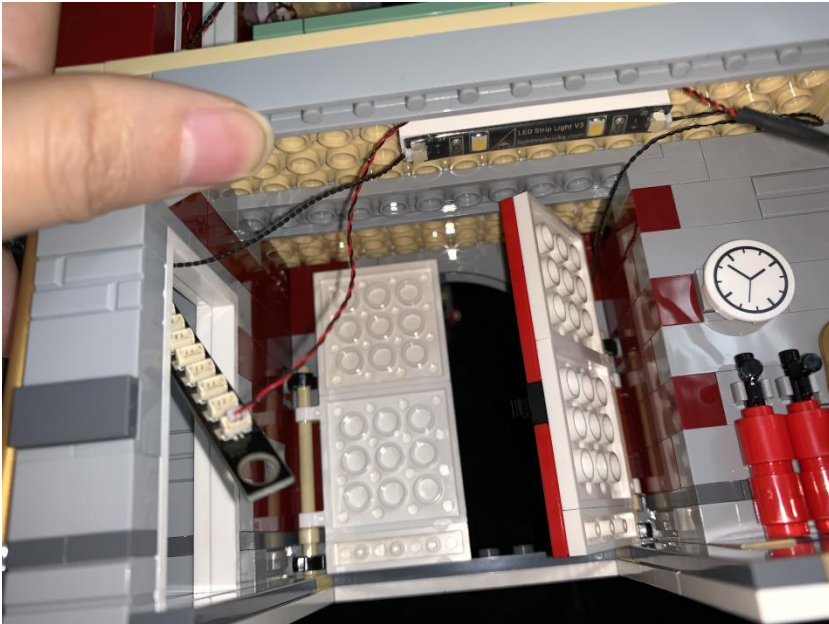
Connect the strip to the roof, then, connect it to the 12-port expansion board



Now, we move onto installing the lights for the Christmas tree, first, take a Multi Colour Light Strings



Connect the light to the 12-port expansion board, secure the light string over the strip light



Place the Christmas tree at the right side of the building, wind the string around the tree

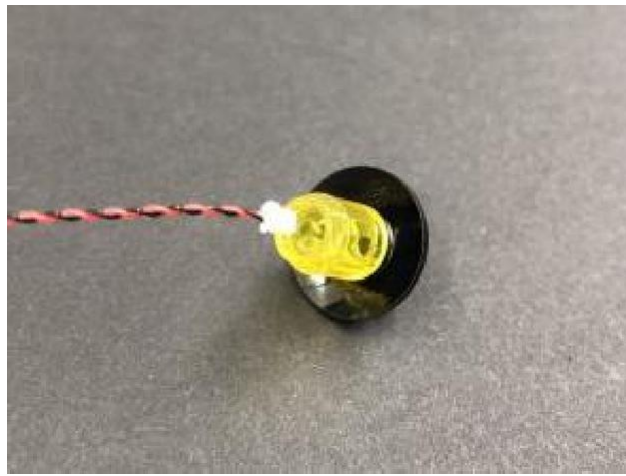


then, we' ll continue to install the light for the street lamp, disassemble it as per below





Take a warm white 30cm dot light, thread its connector through the yellow lampshade, pull it out from the other side, till the dot light is facing up inside the yellow piece



Reconnect the black piece back to the top, ensure the dot light is facing the left



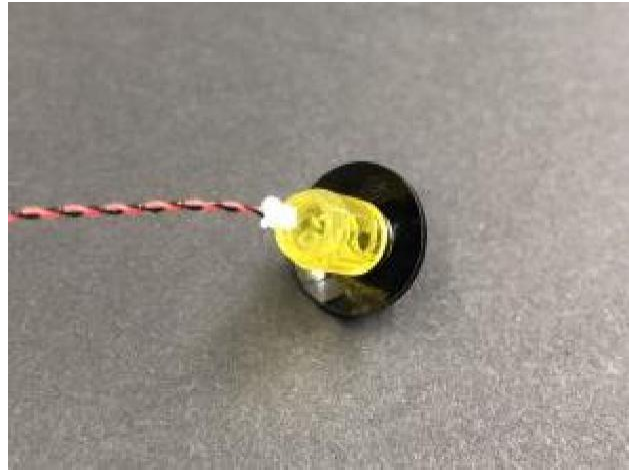
Note: do not force to reconnect the black piece for it may break the cable
Thread the connector through the following 1x1 brick, remove the 1x1 round plate, pull the connector out from the bottom of the brick. Pull the connector all the way out before reconnecting the lamp





Repeat the previous steps, connect another 30cm warm white dot light to the other lamp. Ensure the light is facing right

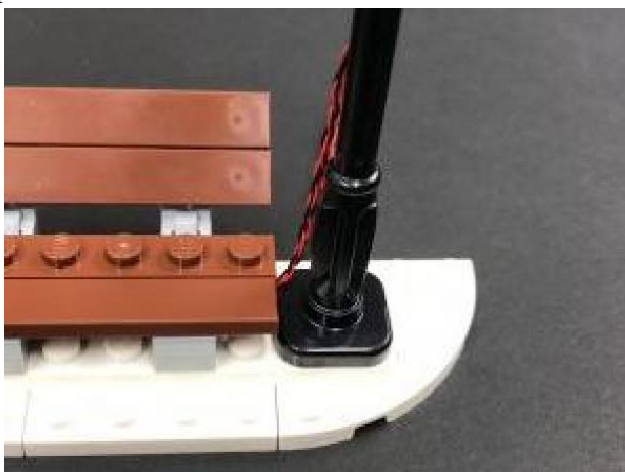


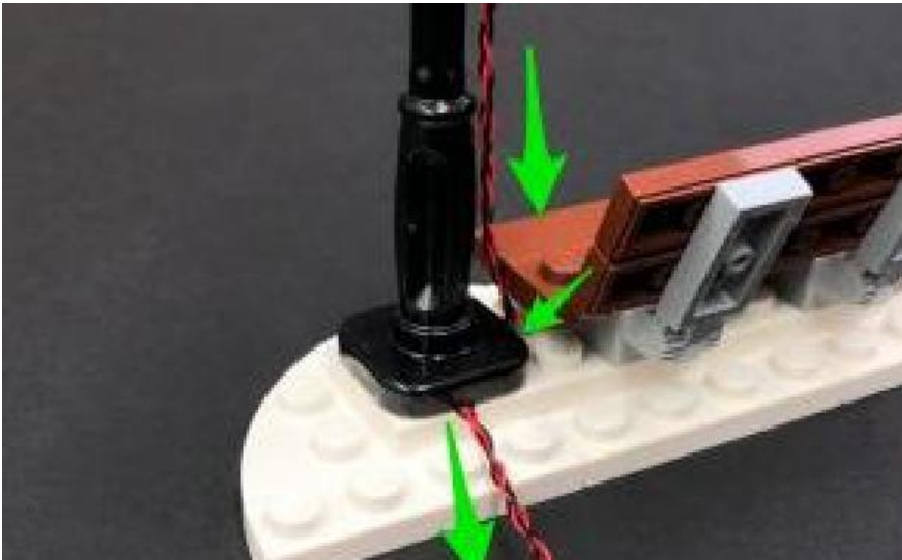


Reconnect the 2 lamps back to the lamp post, group the 2 cables together at the back



Connect the lamp post back to the base, place the cables underneath in between studs

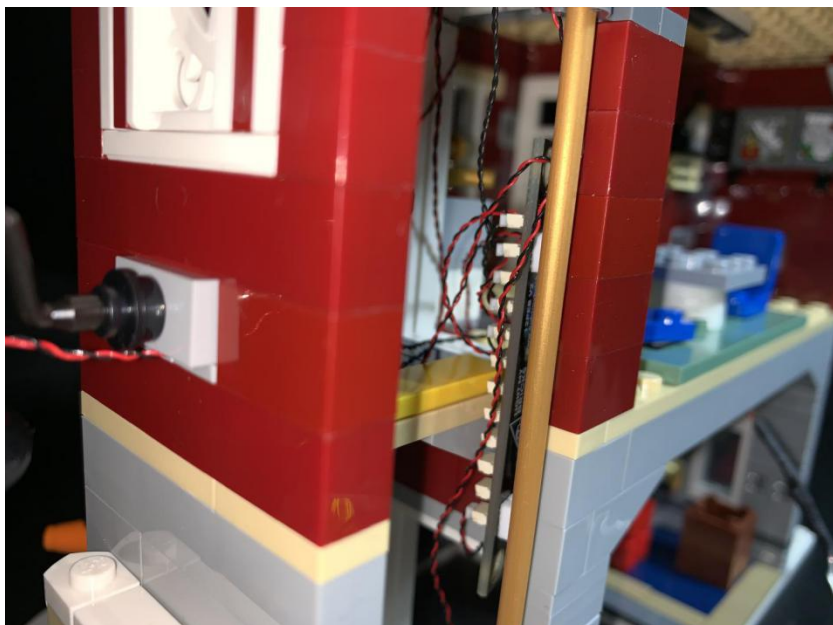




Place this section at the right side of the fire station, connect the connectors to the 12-port expansion board, turn on the power to ensure all the lights are working well



Using the tapes to secure the 12-port expansion board to the right side of the slider. Ensure it won't get stuck



Place the battery pack at the following position



This completes installation of this LED Lighting Kit. ENJOY!

