

The Knight Bus™ – 75957 Lighting Kit

Package contents:

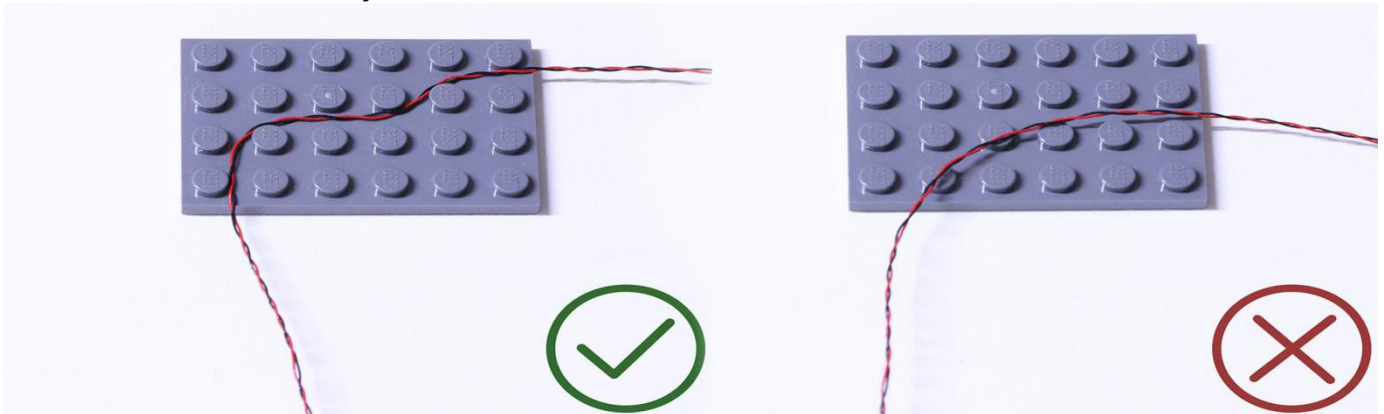
- 6 x 15cm Warm White Dot Lights
- 2 x Warm White Strip Lights
- 3 x 15cm Connecting Cables
- 2 x 6-port Expansion Boards
- 1 x Round Coin Cell Battery Pack

Extra LEGO pieces

Note:

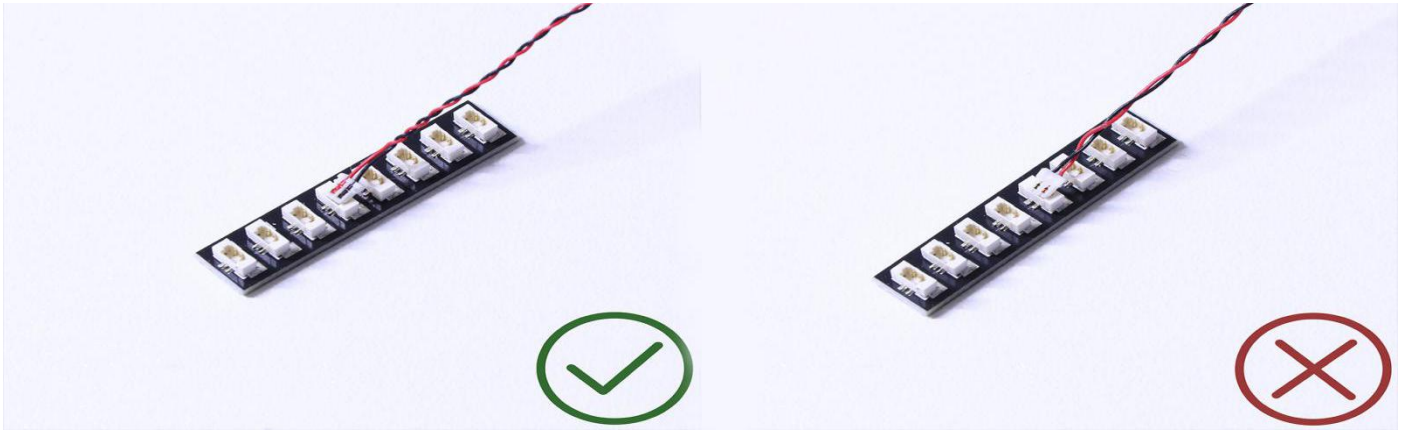
Place wires on the surface or under the LEGO building blocks.

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

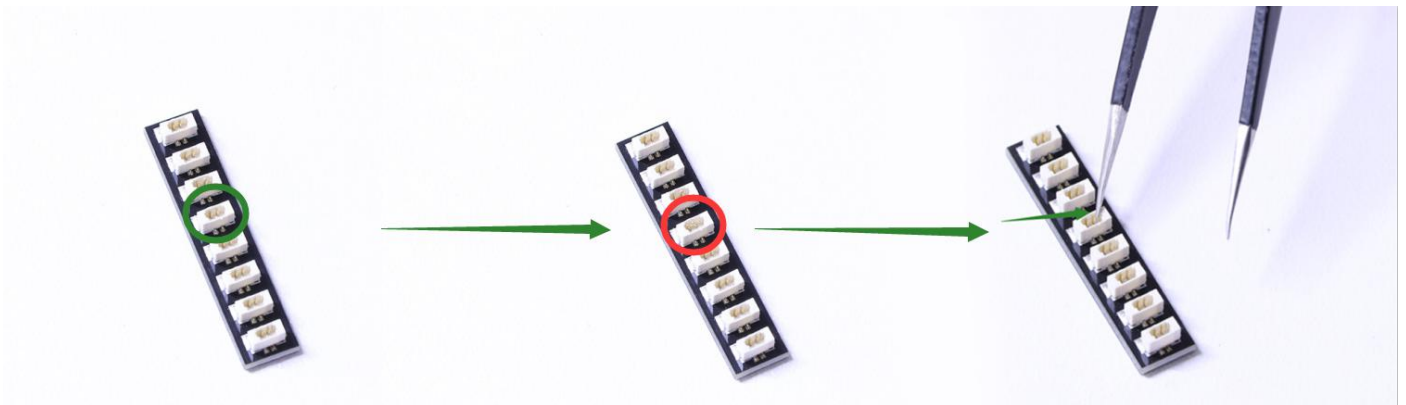


Insert the connectors to the ports.

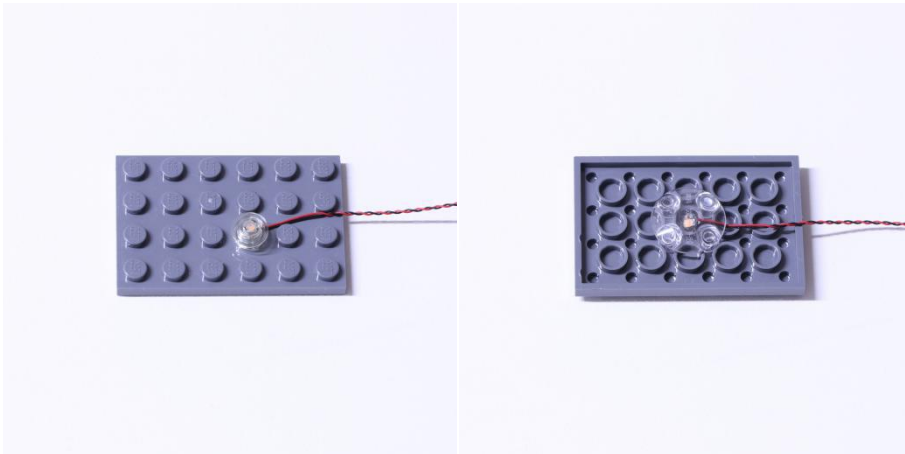
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop,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

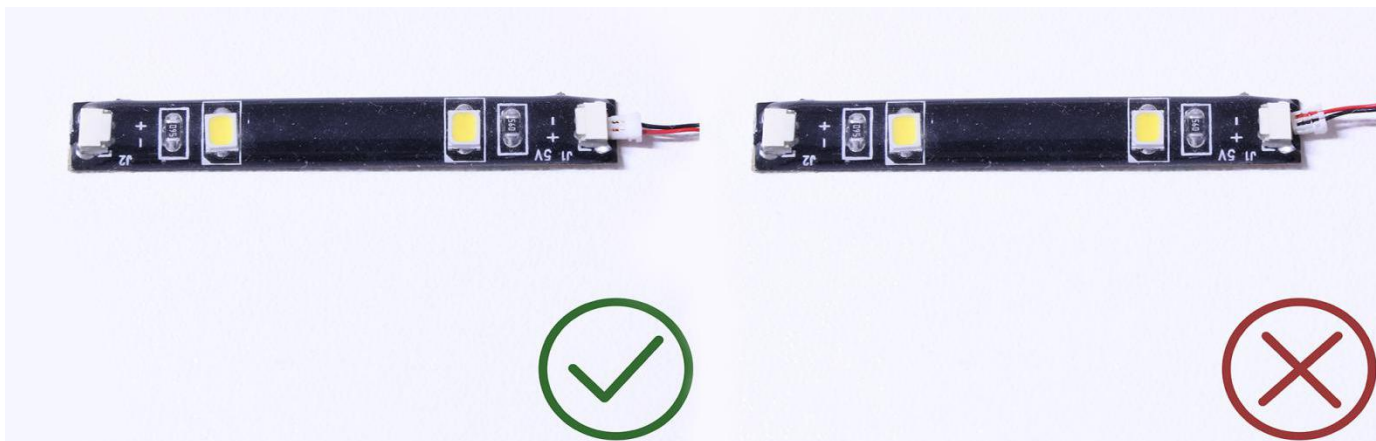


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

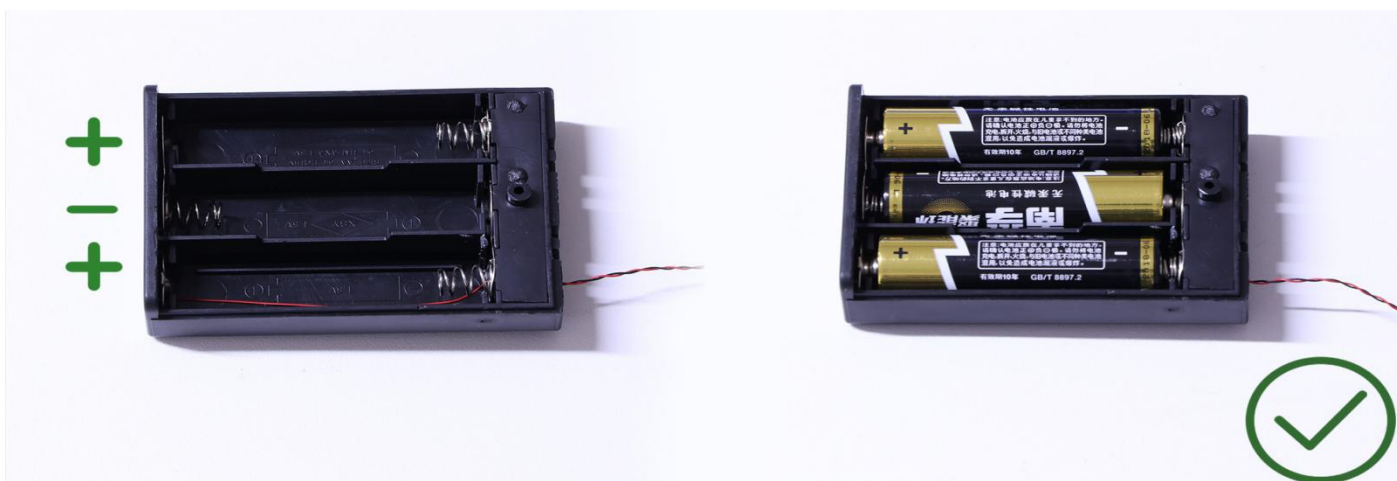


Connecting cable connectors to Strip Lights

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 the headlights for the bus



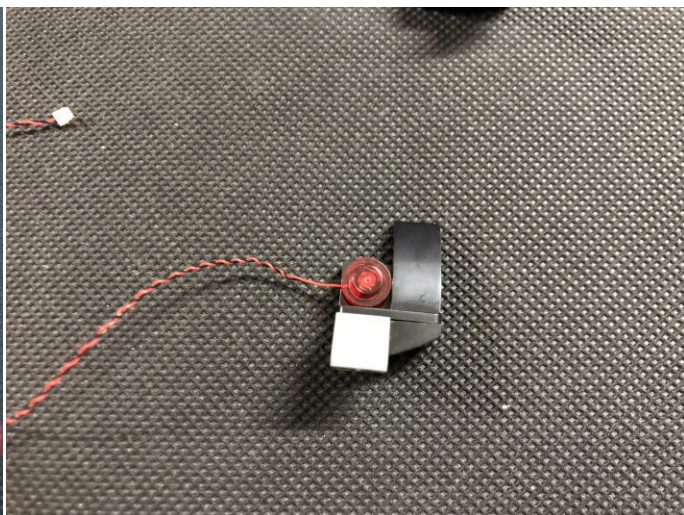
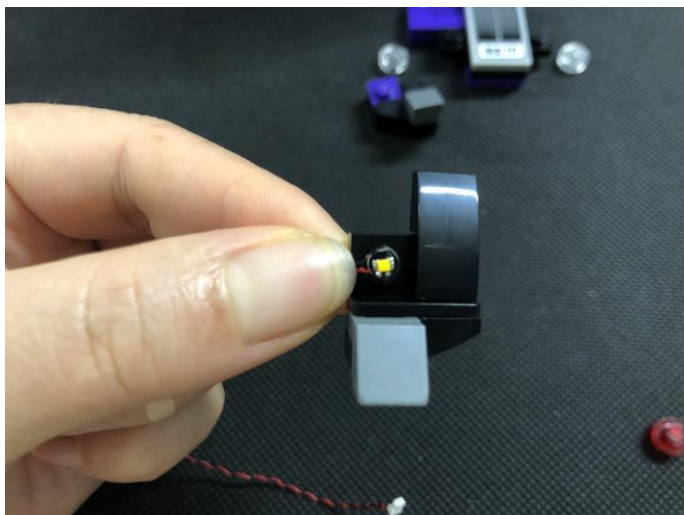
Remove the following pieces



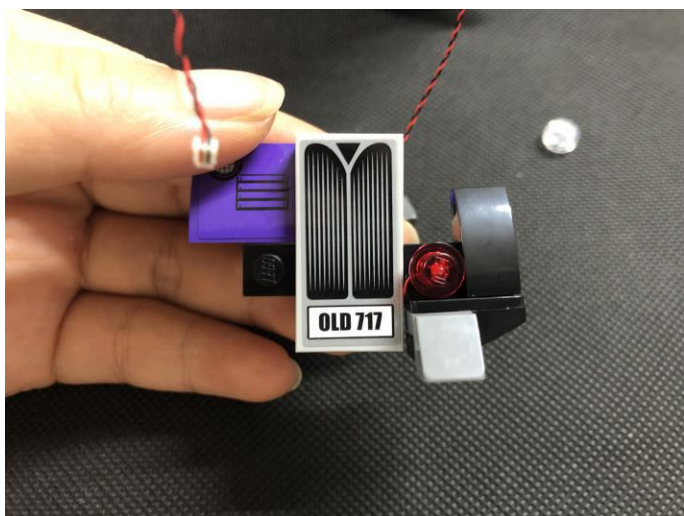
Take 2 warm white 15cm dot lights, 2 trans red 1x1 pieces, with lighting part facing up, secure the light with the trans red piece as per



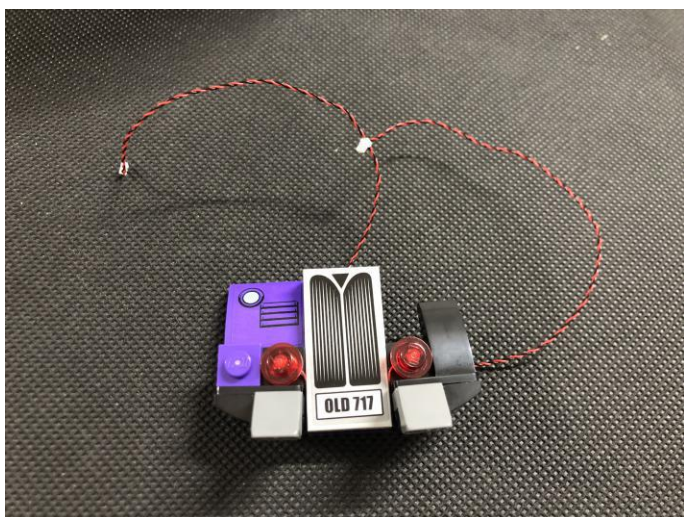
below



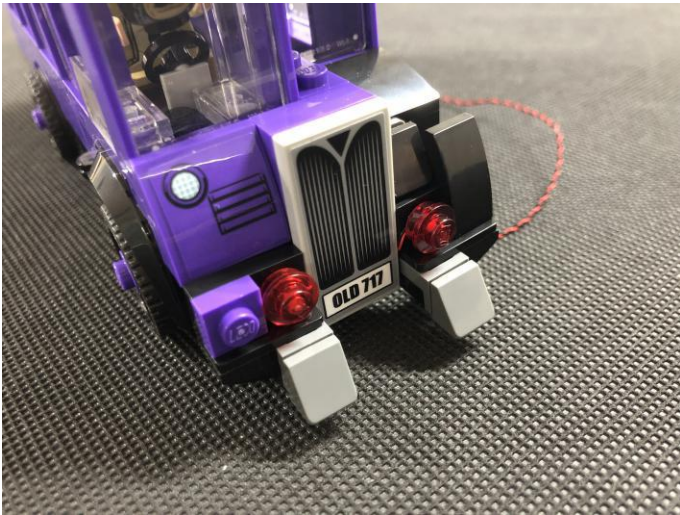
Reconnect the following pieces



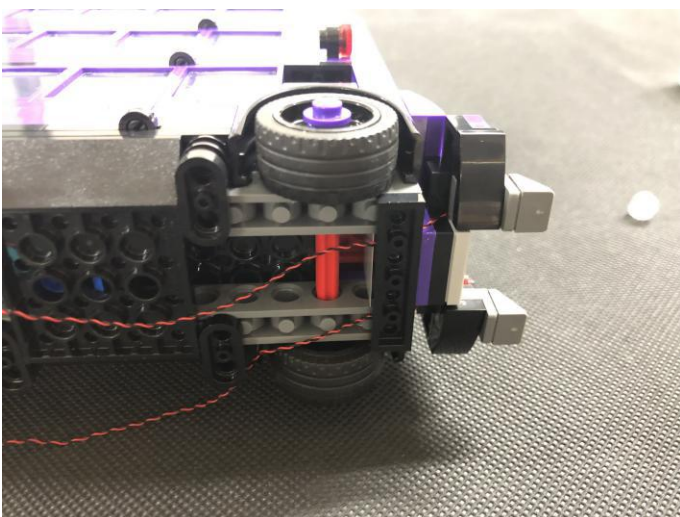
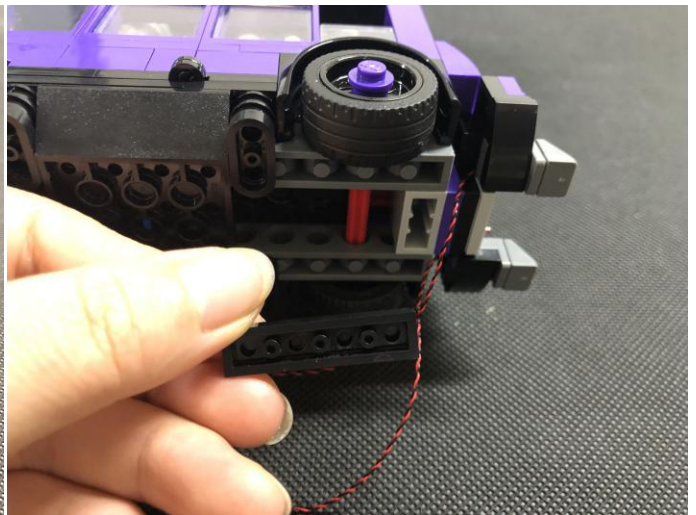
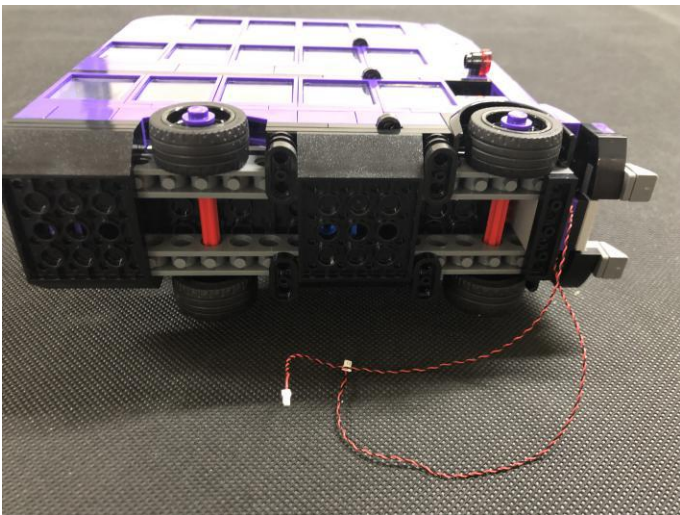
Repeat the steps above to install the other headlight



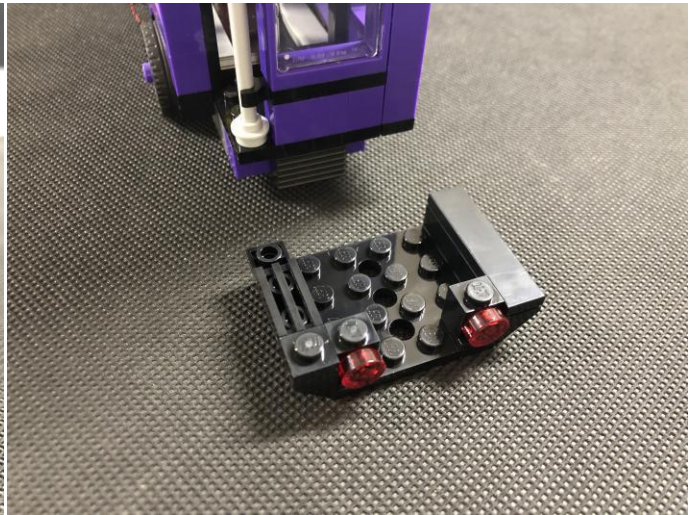
Reconnect the pieces we removed before



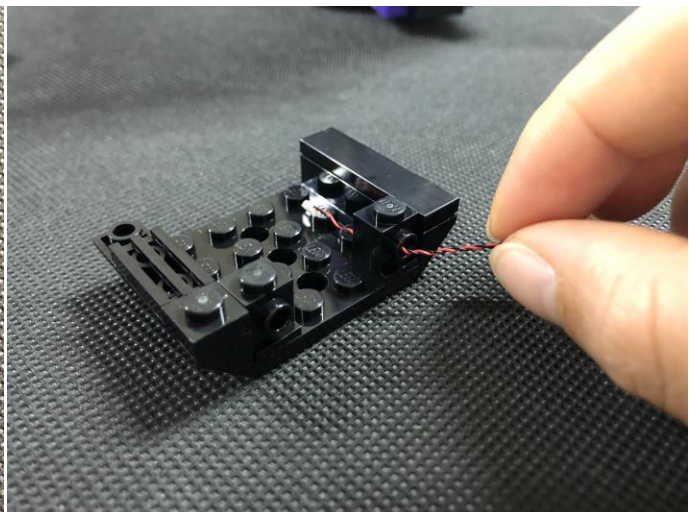
Turn the bus over to its side, remove the 1x4 black plate from its bottom, place the cables underneath as per below, reconnect the black plate to secure the cables



Continue to install lights for the tail, remove the following pieces



Take 2 warm white 15cm dot lights, 2 trans red 1x1 pieces, thread the connector through the following piece, pull cable out till the light is against the hole, secure it with a trans red piece





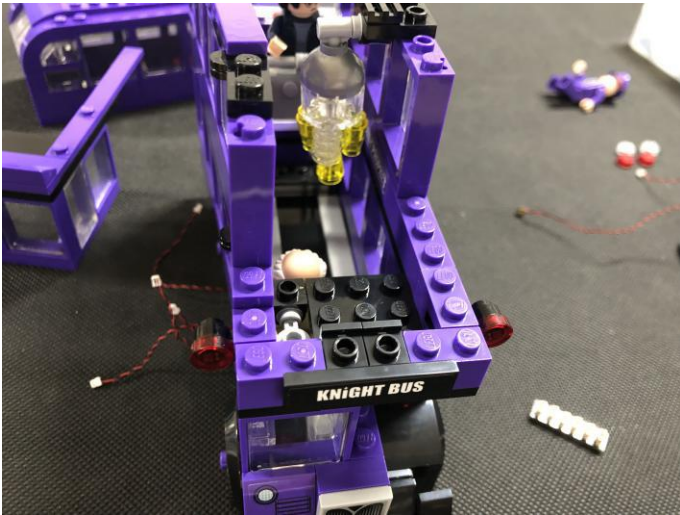
Repeat the previous steps to install the other light



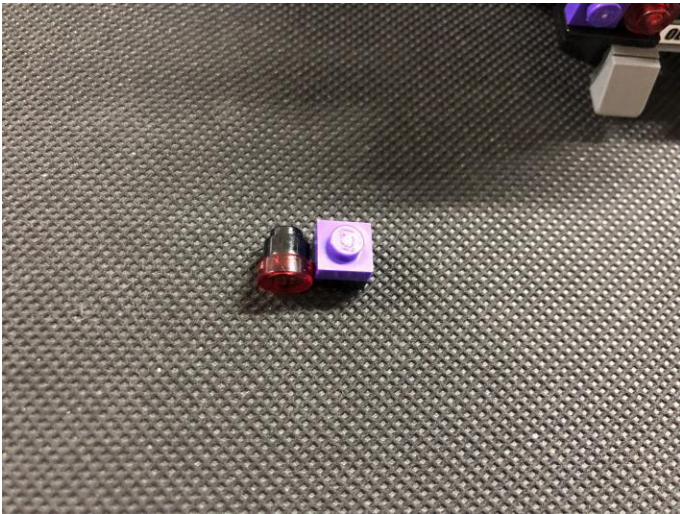
Now, we' ll install lights for the second floor of the bus, remove the third floor



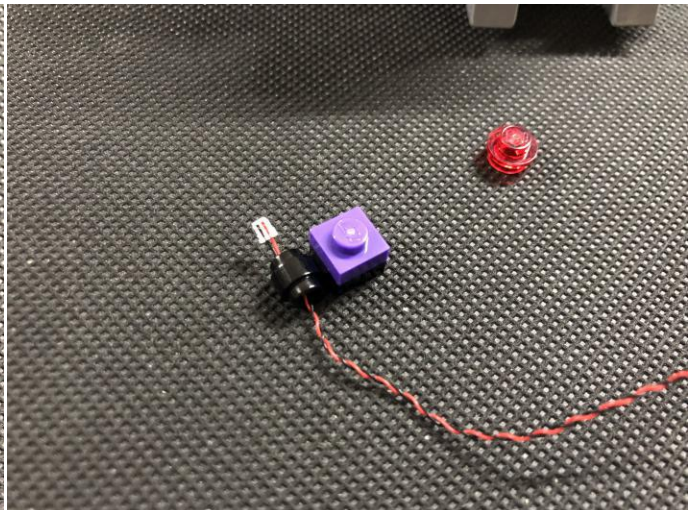
Remove the following pieces

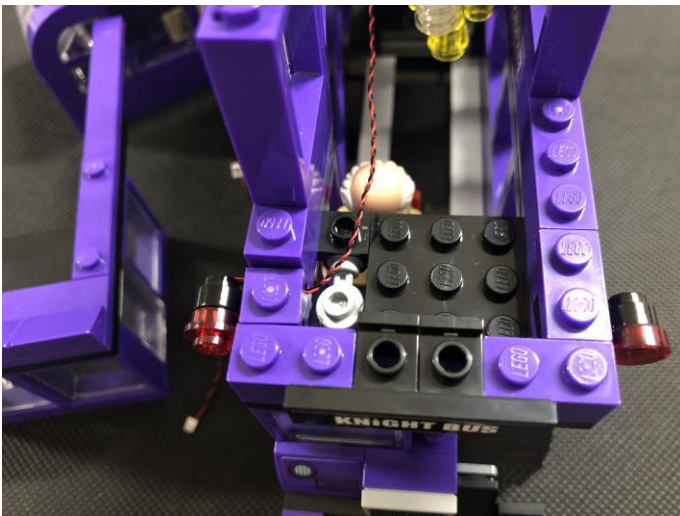
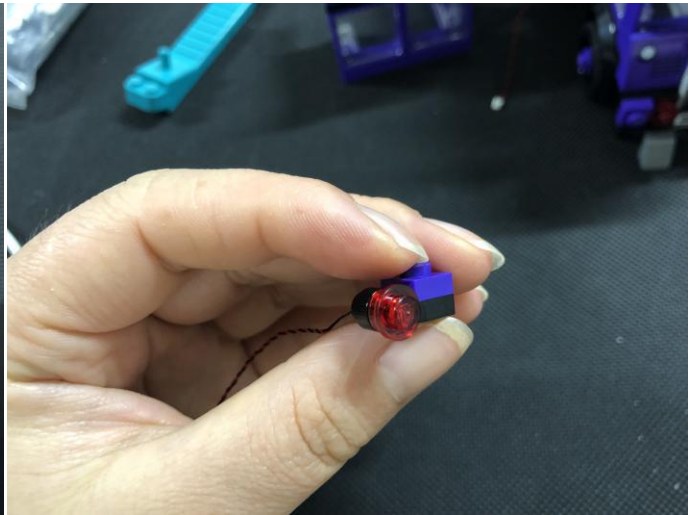


Disconnect the following pieces

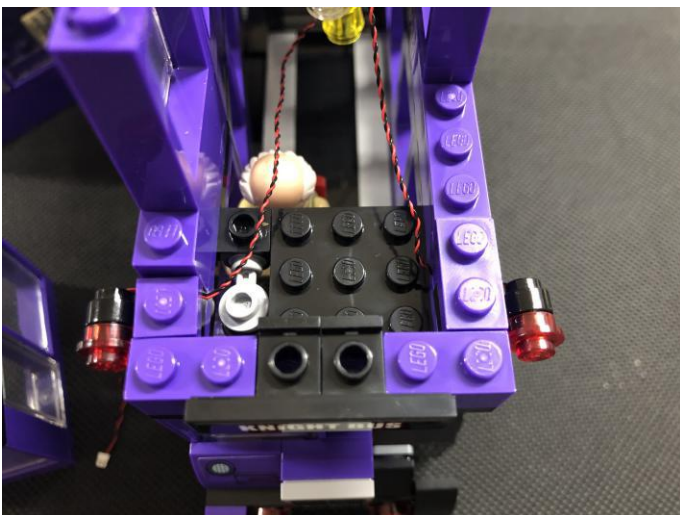


Take a warm white 15cm dot light, a trans red 1x1 piece, thread the connector through the following piece, secure the light with the trans red piece. Reconnect this piece

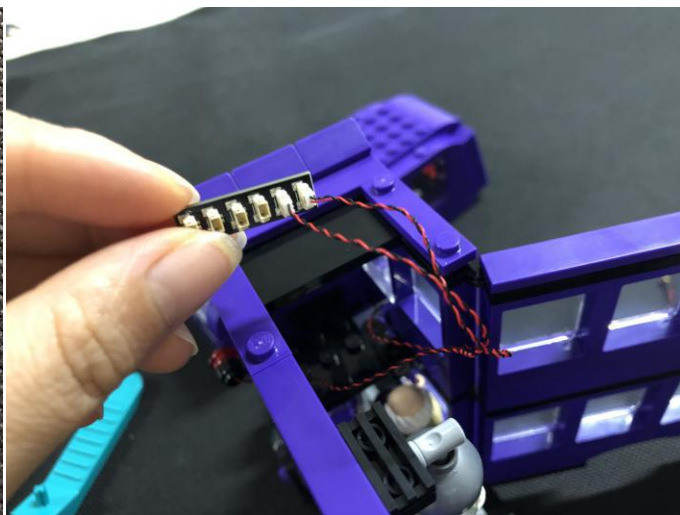
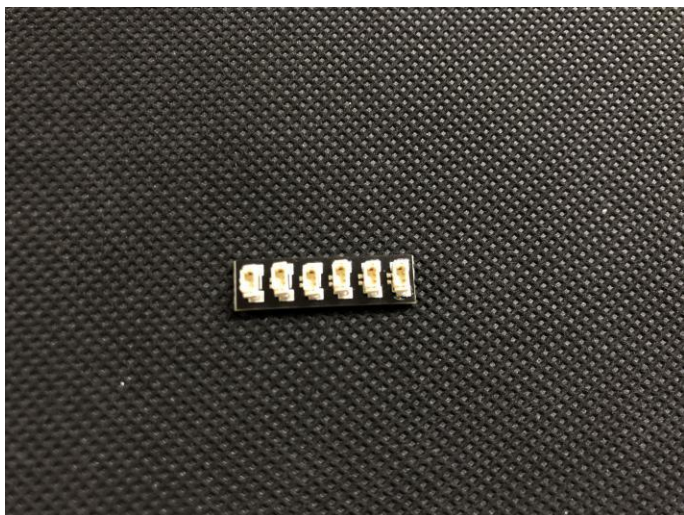




Take another 15cm warm white dot light, a trans red piece, repeat the steps above to install the other light



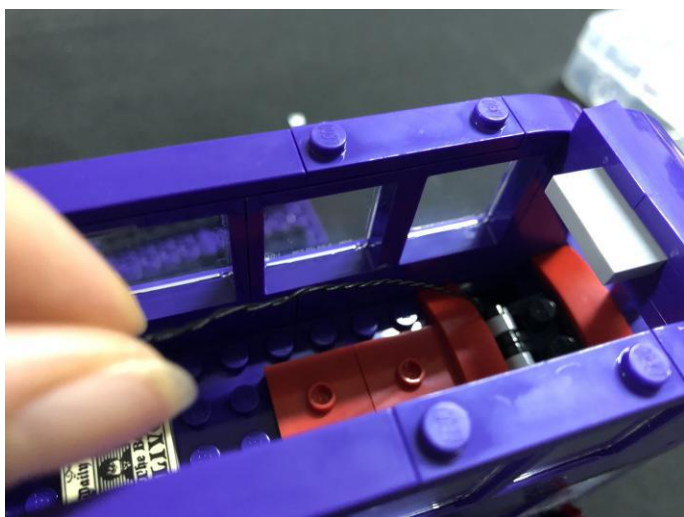
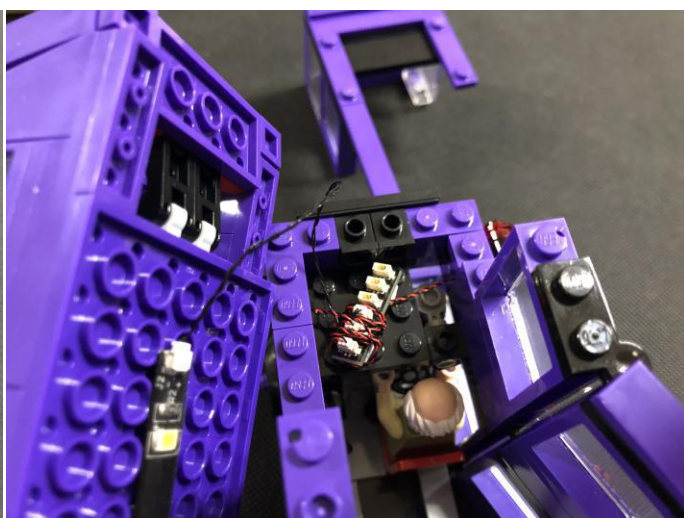
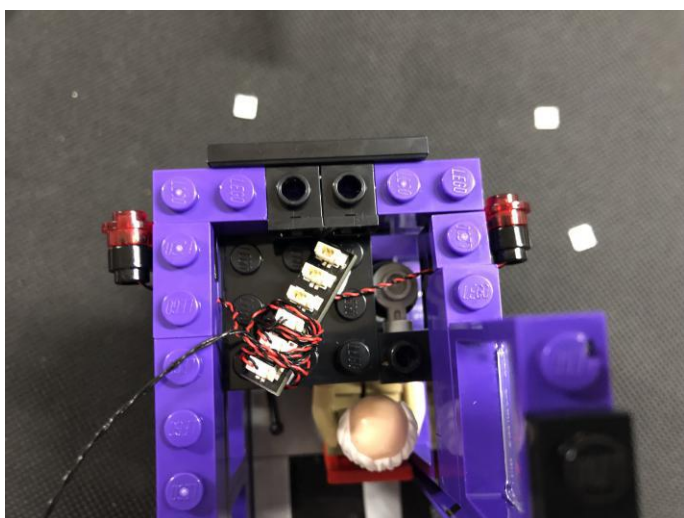
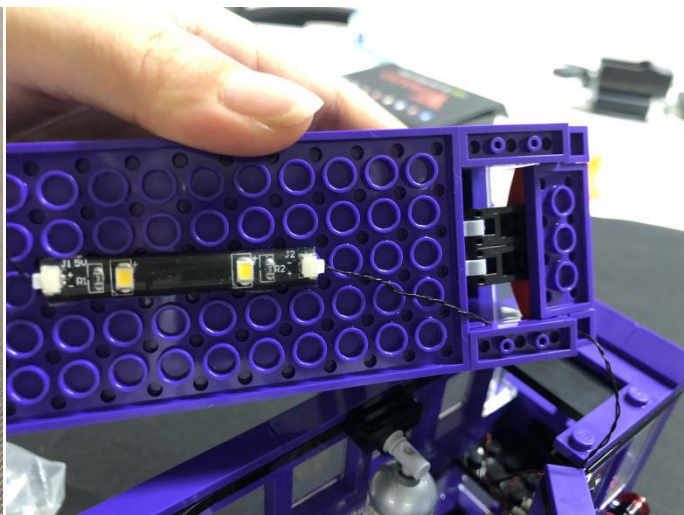
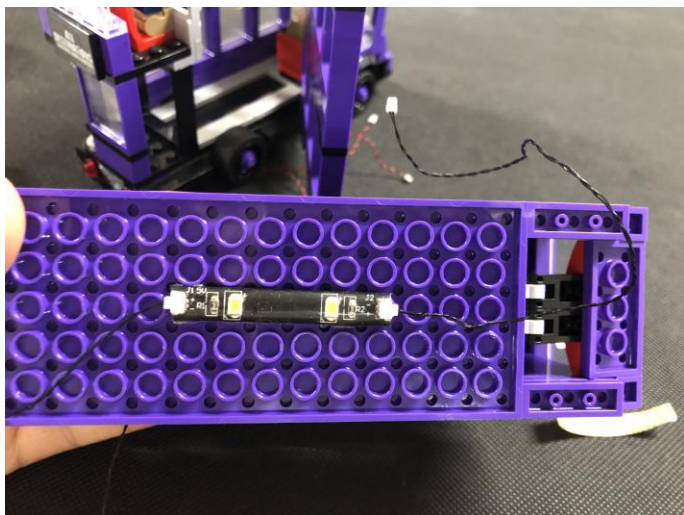
Take a 6-port expansion board, connect the headlights from the second floor to the expansion board



Take a warm white strip light, two 15cm connecting cables, assemble them as per below



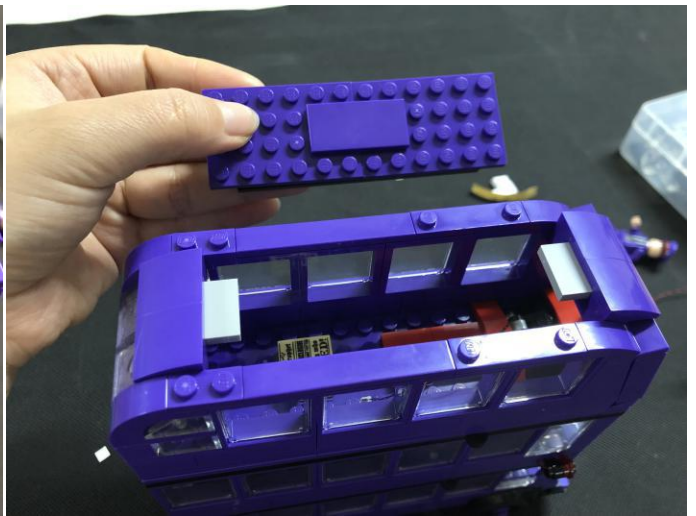
Stick the strip light to the bottom of the second floor, connect its right cable to the expansion board, thread its left cable through the following space and pull it to the third floor



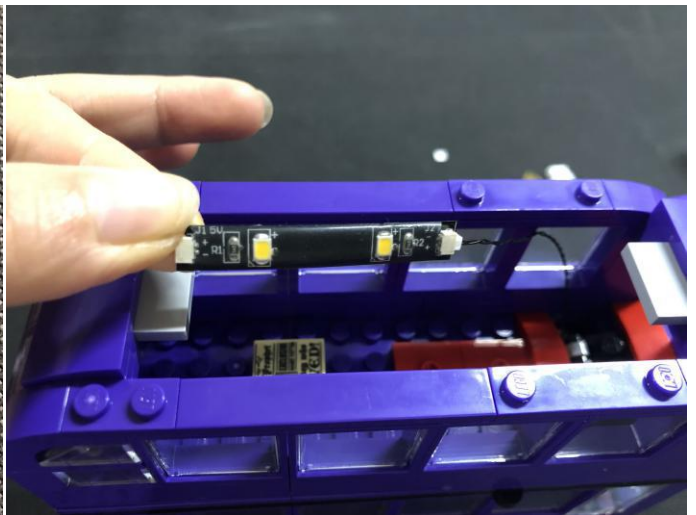
Reconnect the third floor



Remove the roof



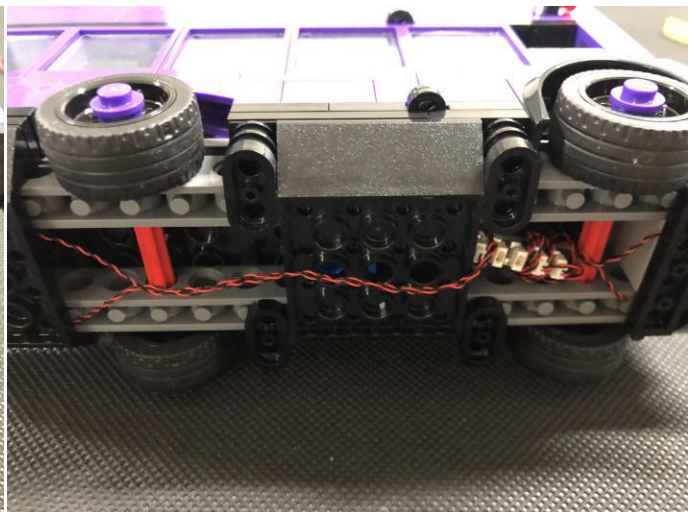
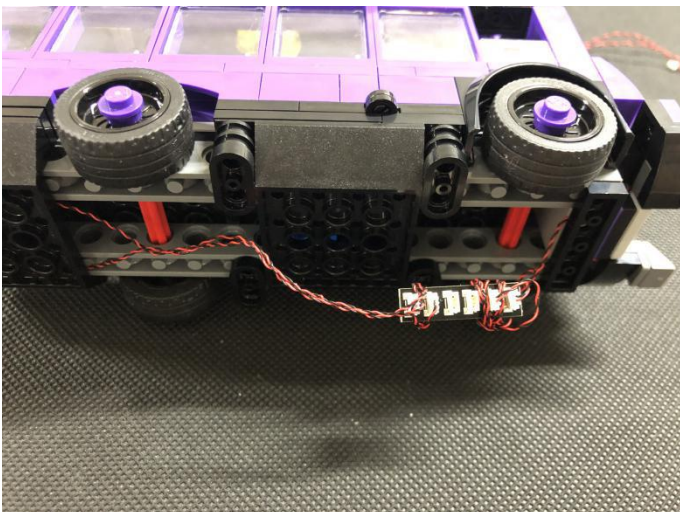
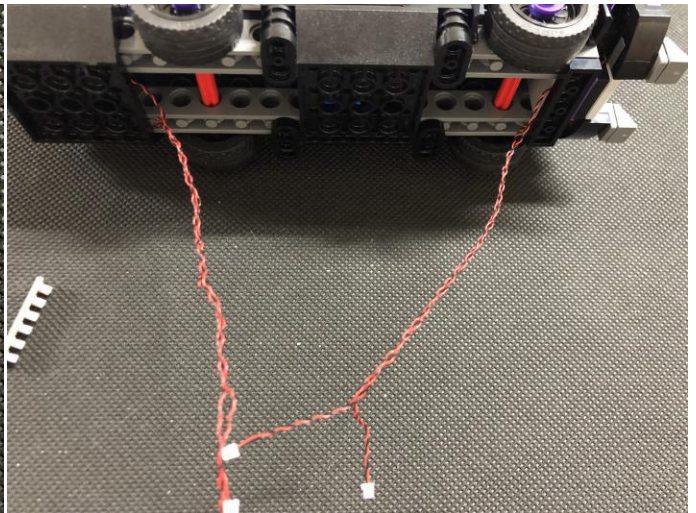
Take a warm white strip light, connect the cable from the second floor to the strip light



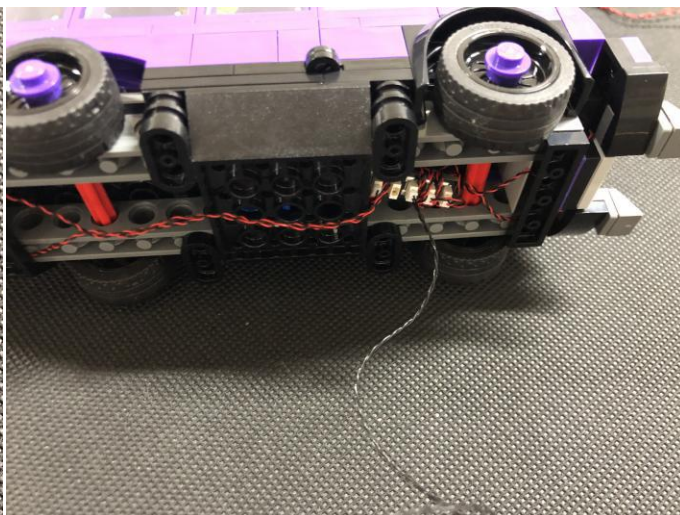
Stick the strip light to the roof, reconnect the roof



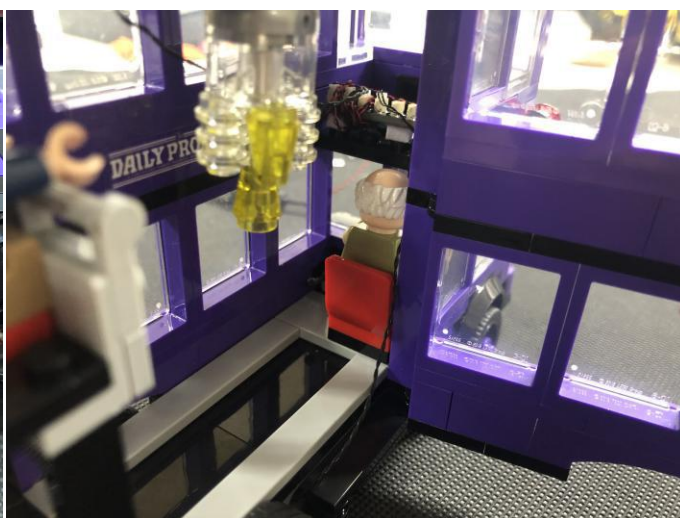
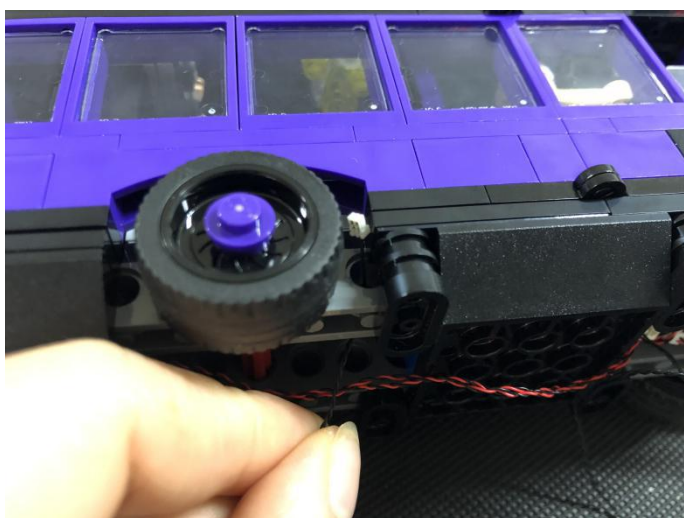
Take a 6-port expansion board, group the 4 cables from the bottom together before connecting them to the expansion board. Stick the expansion board to the bottom by using the adhesive squares:



Take a 15cm connecting cable, connect it to the expansion board



Thread the other end through the following hole, connect it to the expansion board at the second floor



Take a Round Coin Cell Battery Pack, connect it to the expansion board at the bottom, place the battery pack to the following place





This completes installation of this LED Lighting Kit. ENJOY!

