

Light My Bricks

Installation Instructions for Light My Bricks LED Lighting Kits

Mar 1 · 28 min read ·  Unlisted

Light My Bricks: Downtown Diner Lighting Kit



The following page is instructions for the Light My Bricks LEGO Downtown Diner (10260) LED light kit. To ensure a trouble-free installation of your light kit, please read and follow each step carefully.

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Package contents:

- 1x LEGO Lamp Post with Bit Light installed
- 3x Flashing White 30cm Bit Lights

- 1x White 30cm Bit Light
- 7x White 15cm Bit Lights
- 11x White Strip Lights
- 2x 8-Port Expansion Boards
- 1x 6-Port Expansion Board
- 5x 5cm Connecting Cables
- 5x 15cm Connecting Cables
- 2x 30cm Connecting Cables
- 1x 50cm Connecting Cable
- 4x Adhesive Squares
- AA Battery Pack (Requires 3x AA Batteries)

LEGO Pieces

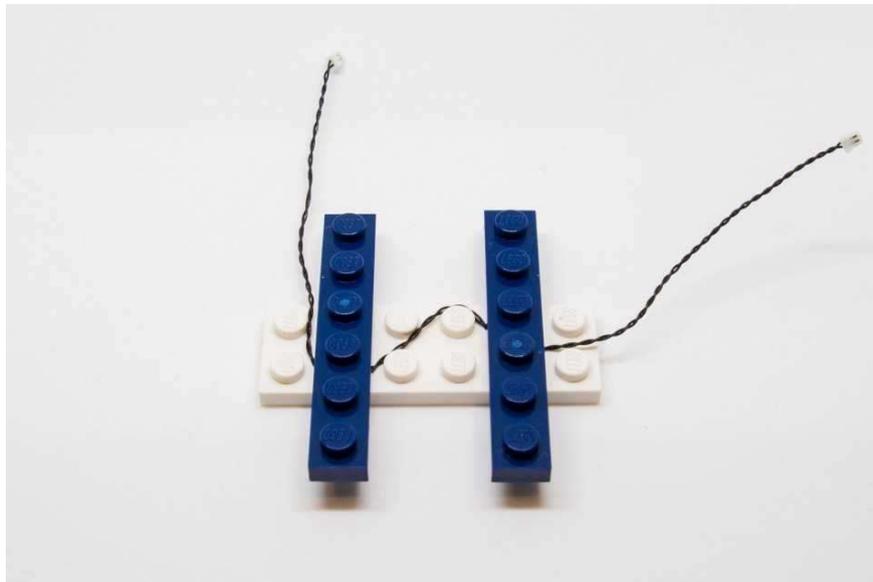
- 2x Trans Clear Round Plate 1x1
- 5x Trans Red Round Plate 1x1 • 5x Plate 1x6 (for mounting strip lights)

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Important things to note:

Laying cables in between and underneath bricks

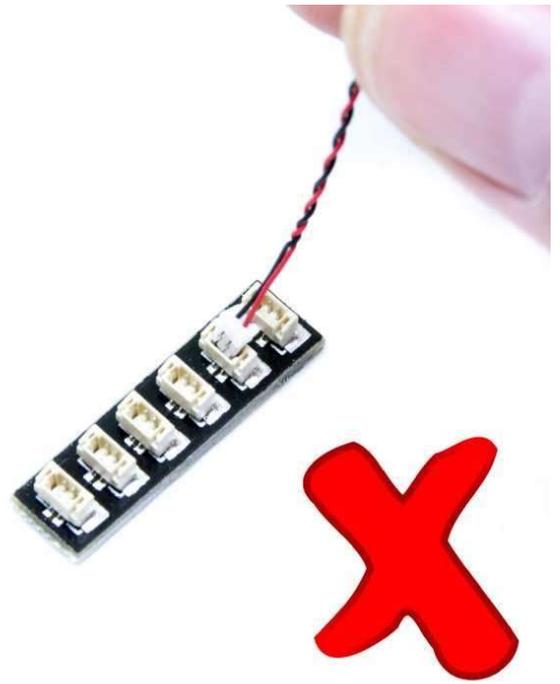
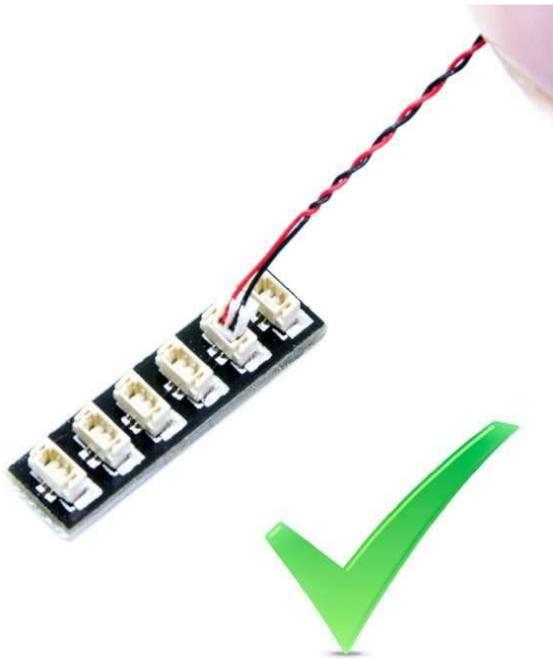
Cables can fit in between and underneath LEGO® bricks, plates, and tiles providing they are laid correctly between the LEGO® studs. Do NOT forcefully join LEGO® together around cables; instead ensure they are laying comfortably in between each stud.



CAUTION: Forcing LEGO® to connect over a cable can result in damaging the cable and light.

Connecting cable connectors to Expansion Boards

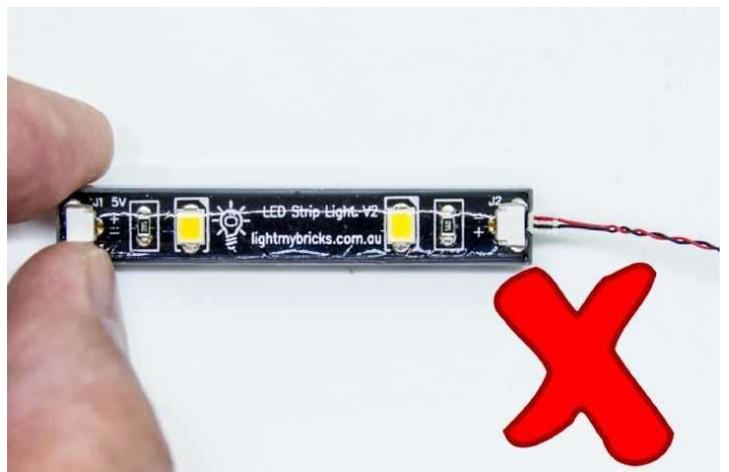
Take extra care when inserting connectors to ports of Expansion Boards. Connectors can be inserted only one way. With the expansion board facing up, look for the soldered “=” symbol on the left side of the port. The connector side with the wires exposed should be facing toward the soldered “=” symbol as you insert into the port. If a plug won’t easily into a port connector, do not force it.



Incorrectly inserting the connector can result in bent pins inside the port or possible overheating of the expansion board when connected.

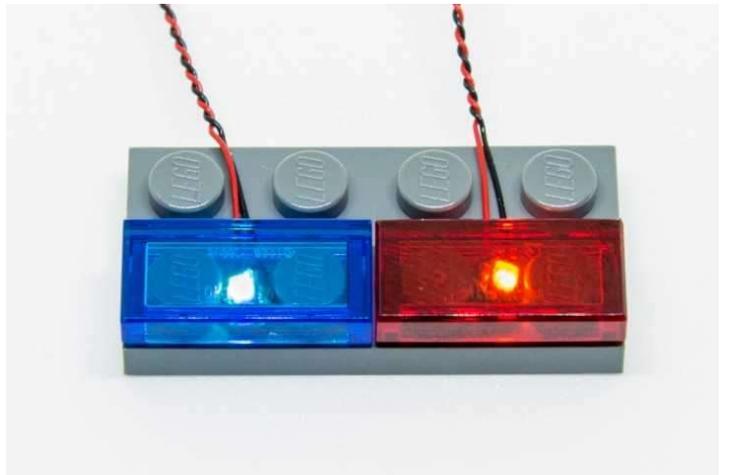
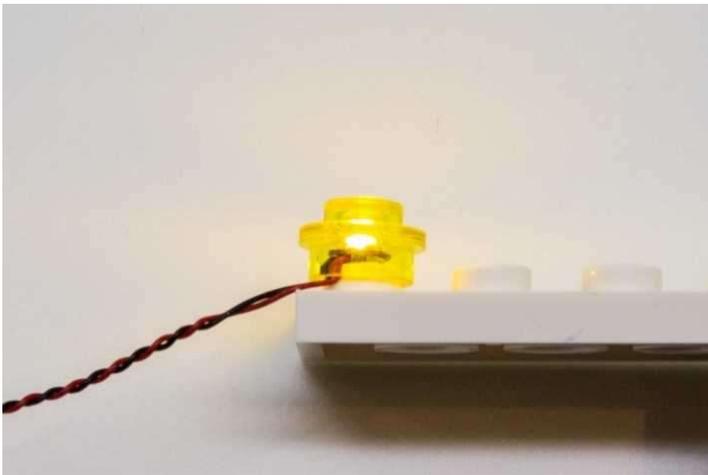
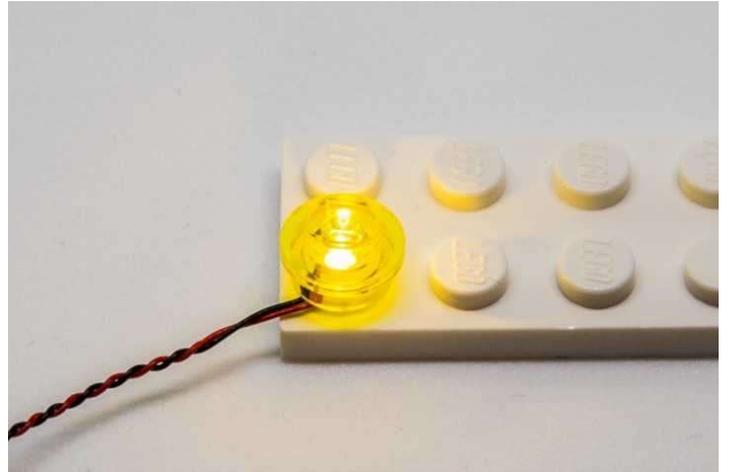
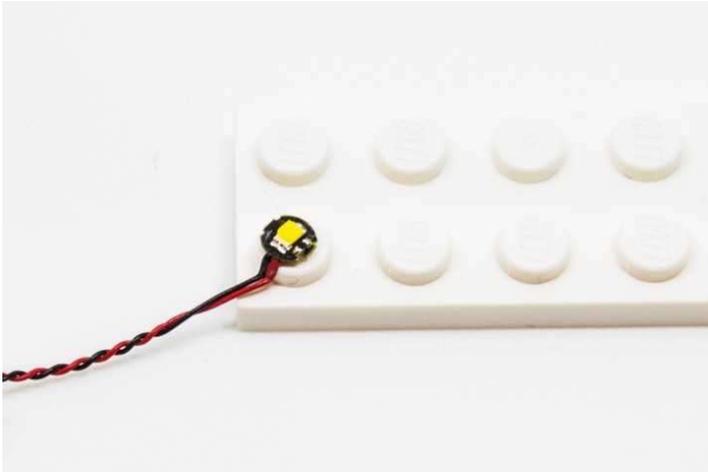
Connecting cable connectors to Strip Lights

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 easily into a port connector, don't force it. Doing so will damage the plug and the connector.



Installing Bit Lights under LEGO® bricks and plates.

When installing Bit Lights under LEGO® pieces, ensure they are placed the correct way up (Yellow LED component exposed). You can either place them directly on top of LEGO® studs or in between.



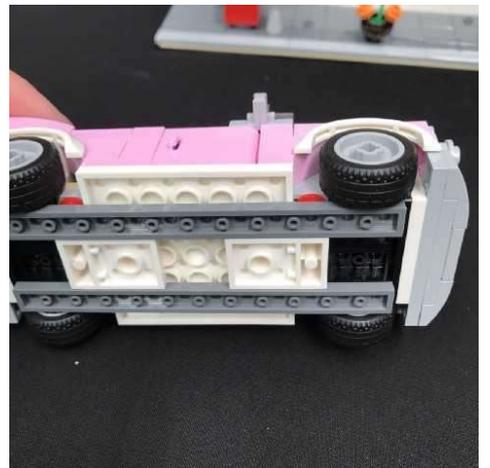
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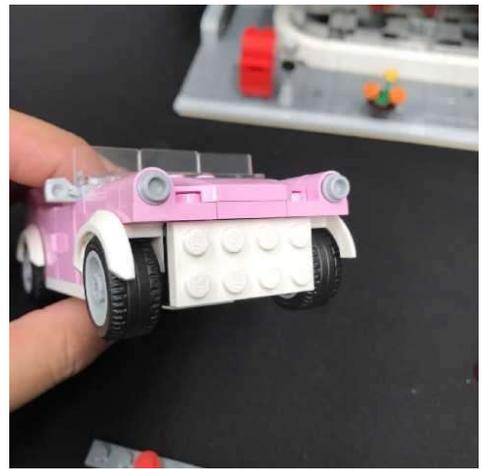
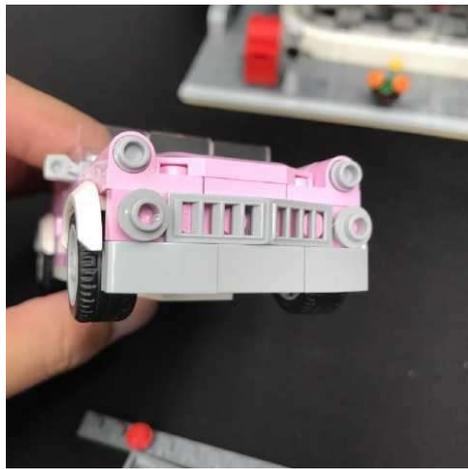
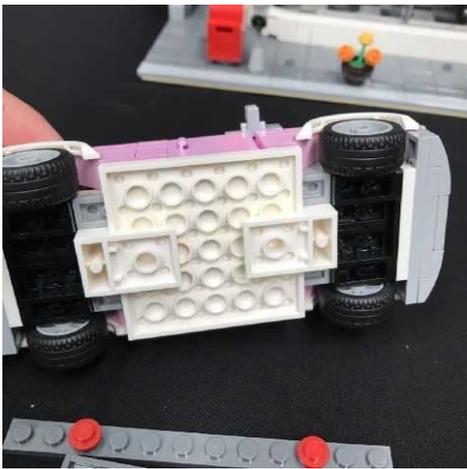
OK, Let's Begin!

Lighting the Car

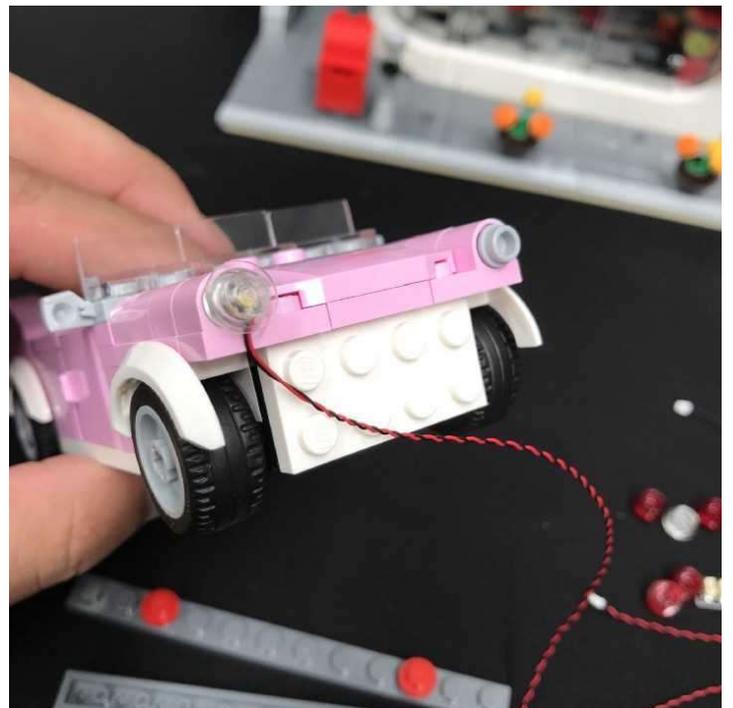


- 1.) Start by disconnecting the following sections of the front and bottom of the car (trans clear tiles, 1x12 plates, and front bumper section).

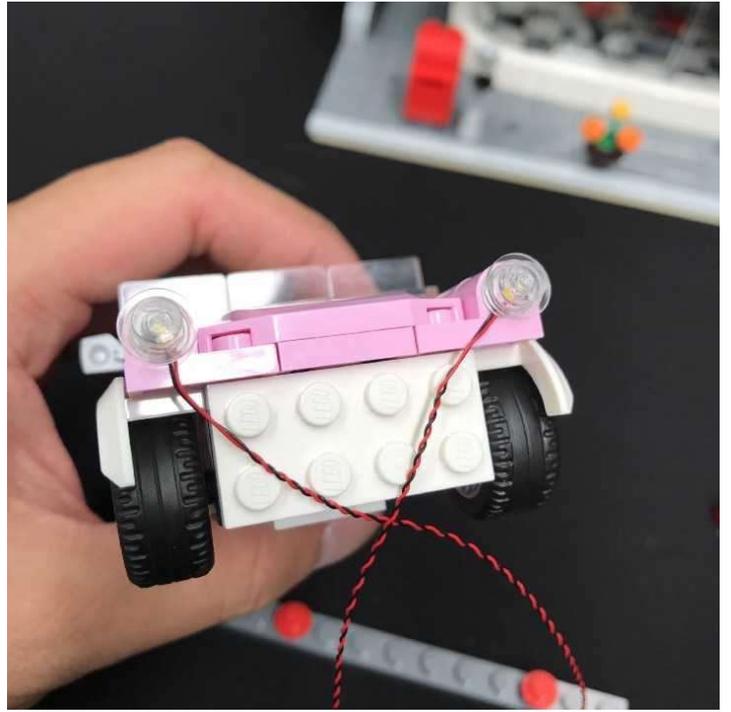
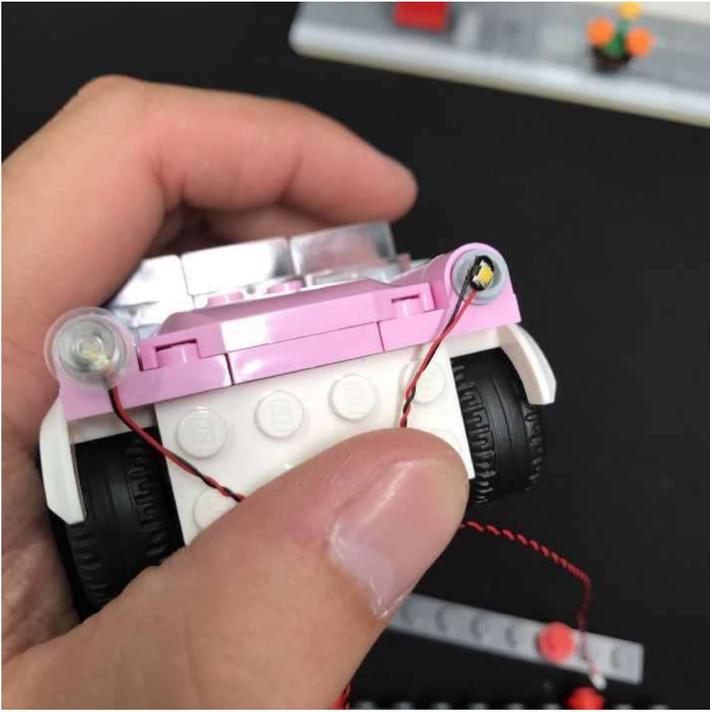




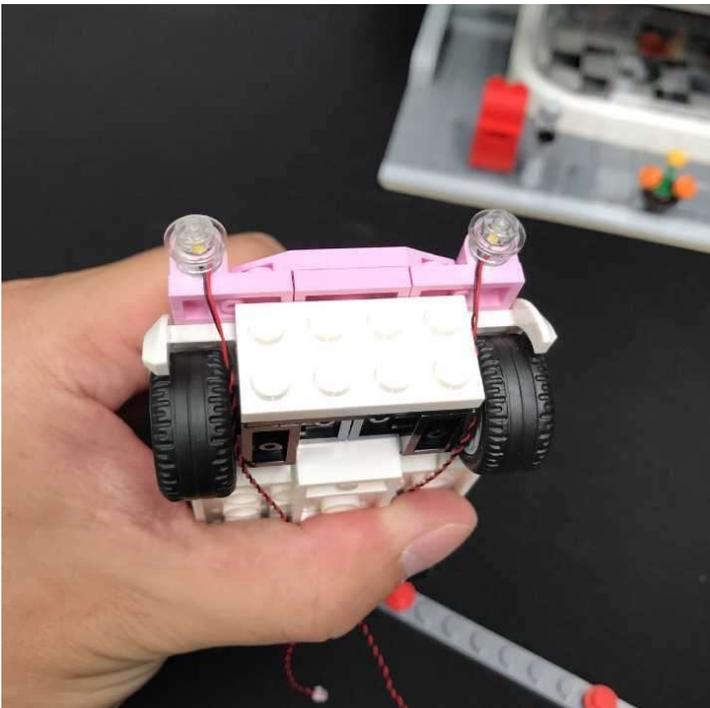
2.) Take a White 15cm Bit Light and with the cable facing down, place it directly over one of the front grey studs. Take a provided Trans Clear Round Plate 1x1 and connect it over the top to secure the Bit Light in place.



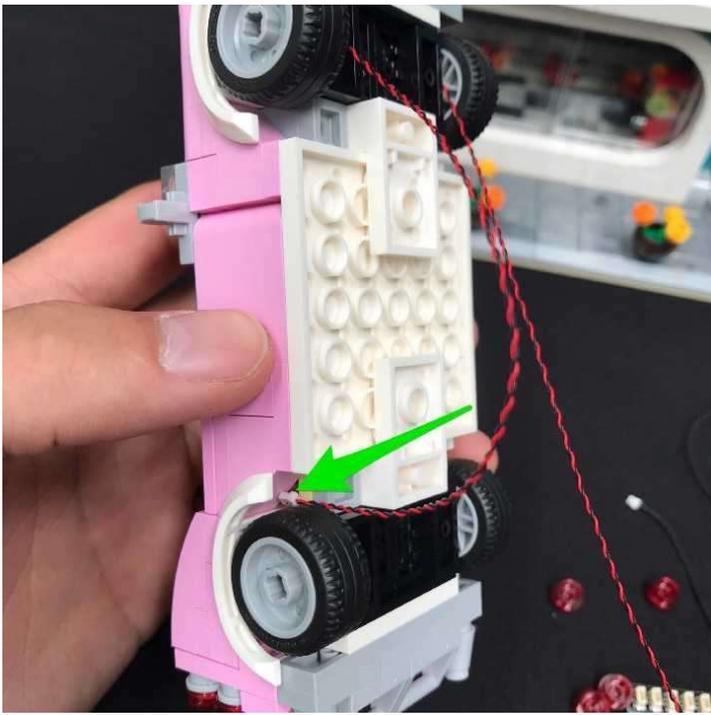
Install another White 15cm Bit Light to the other headlight using the same method as above.



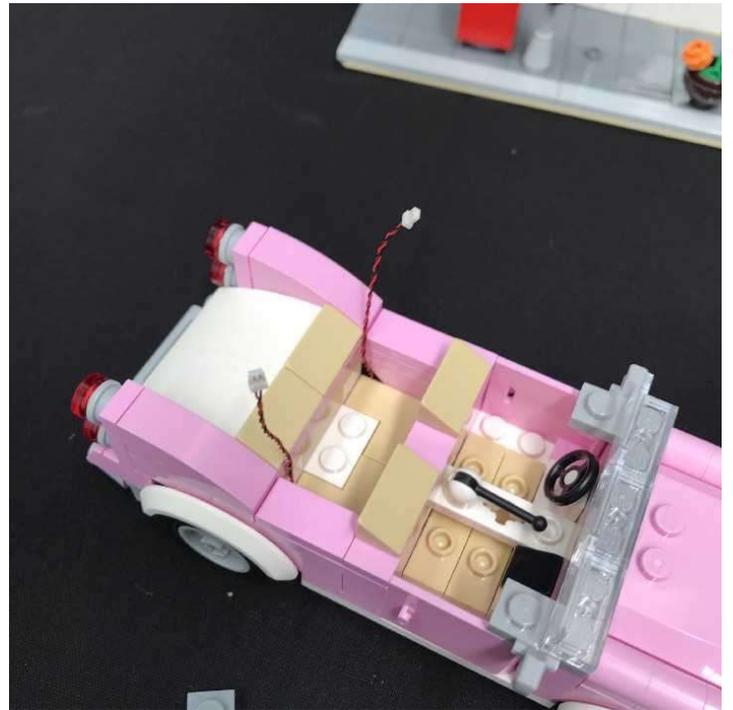
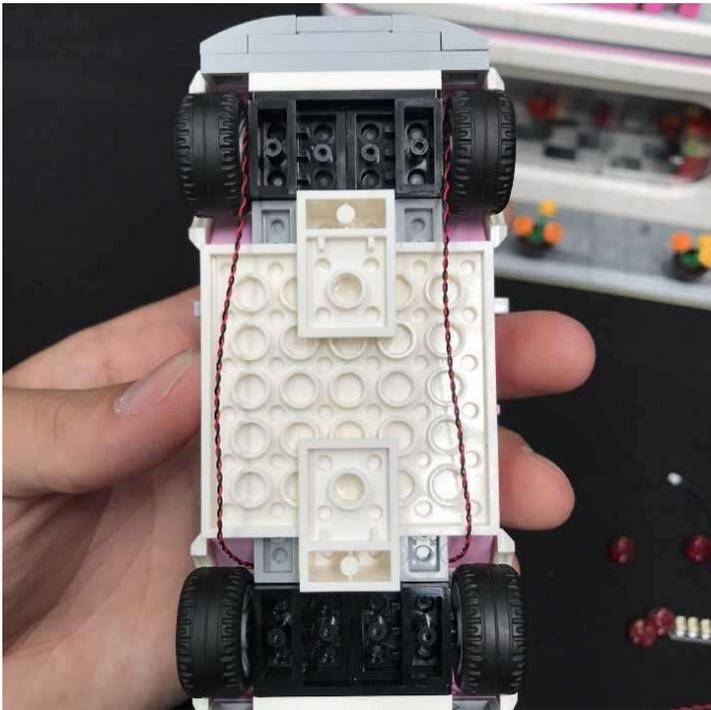
3.) Lay both Bit Light cables down the side of the White 2x4 plate and then reconnect the front bumper section over the top.



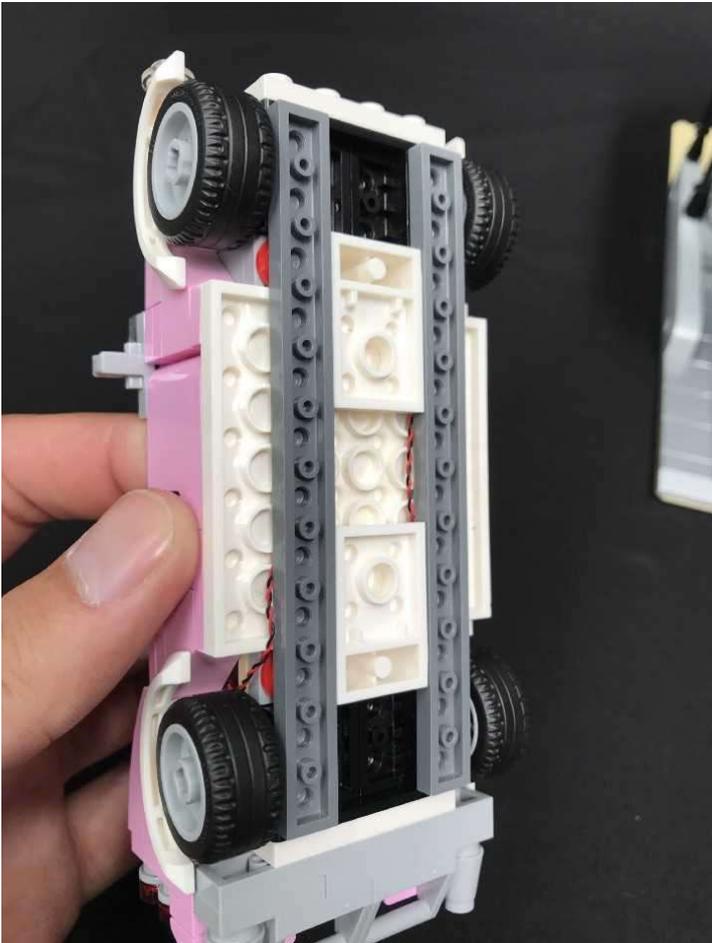
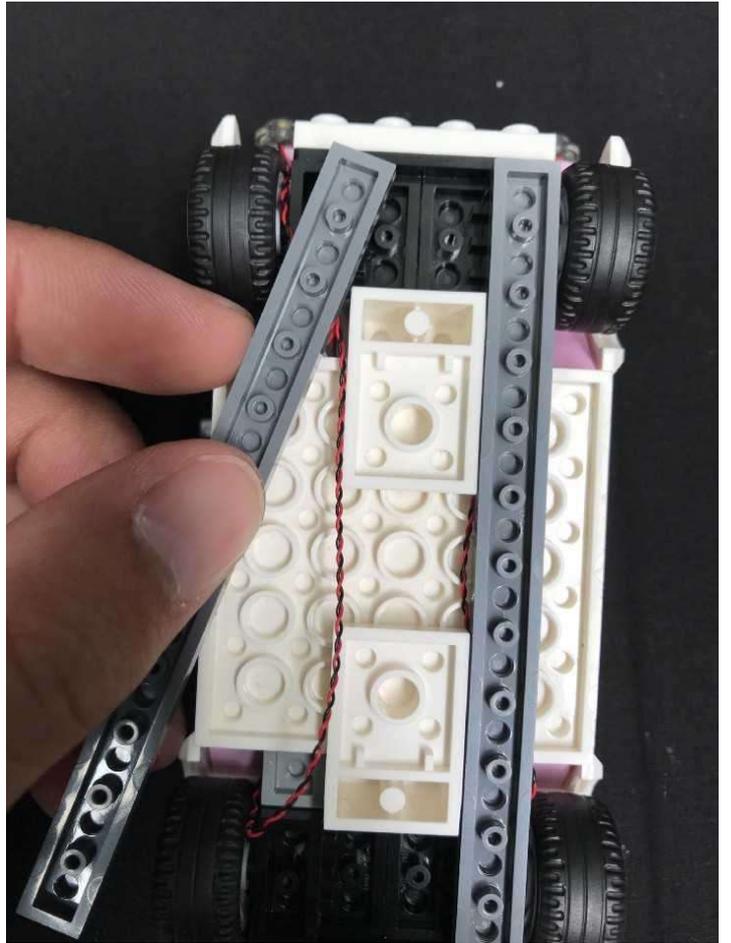
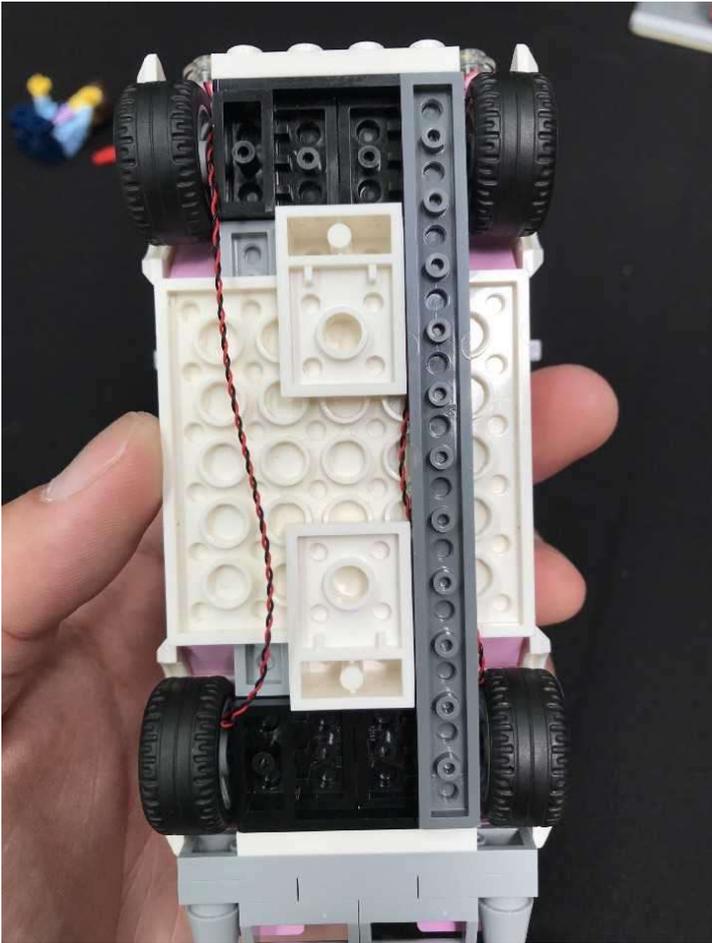
Bring both cables down the base of the car and then thread each cable through the spacing in between the back wheel and side of car.



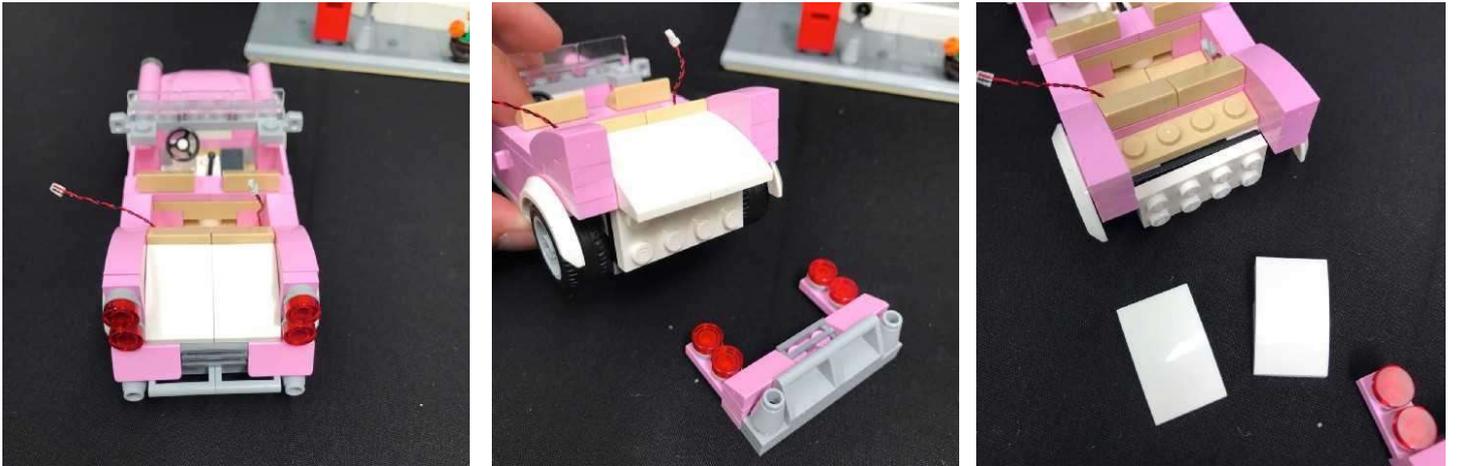
Pull each cable up from the inside of the car.



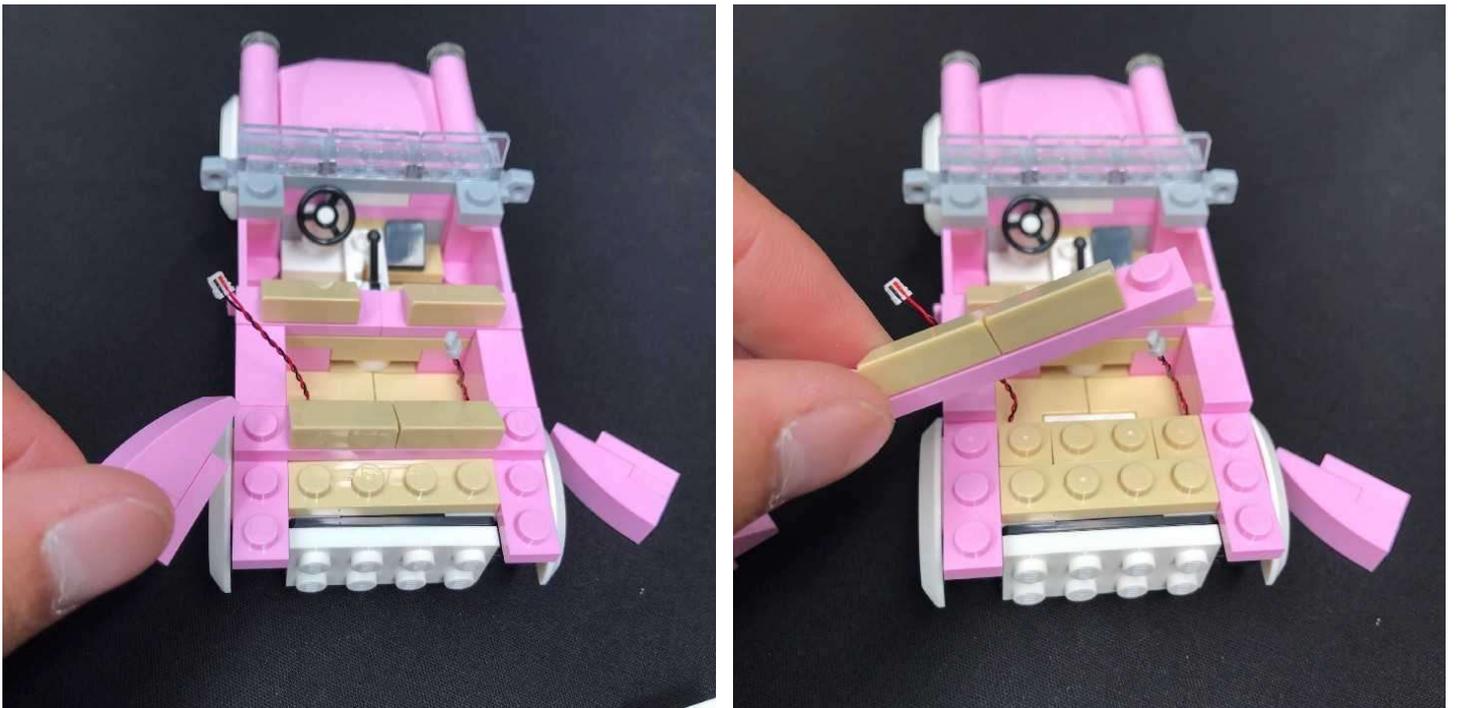
4.) Reconnect the two 1x12 plates ensuring you secure each cable inbetween studs of each plate.



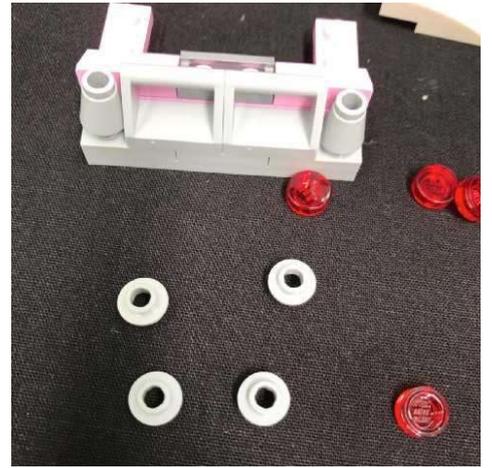
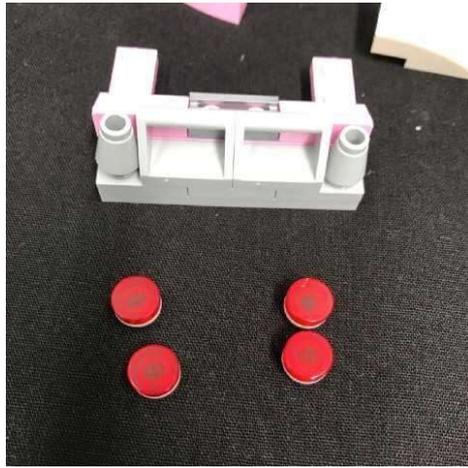
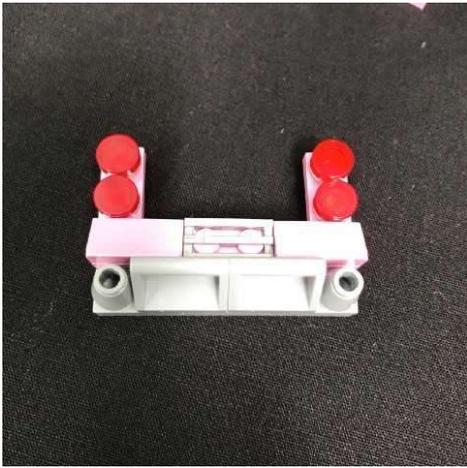
5.) We will now install the tail lights. First disconnect the whole section as well as the 2 curved pieces as per below:



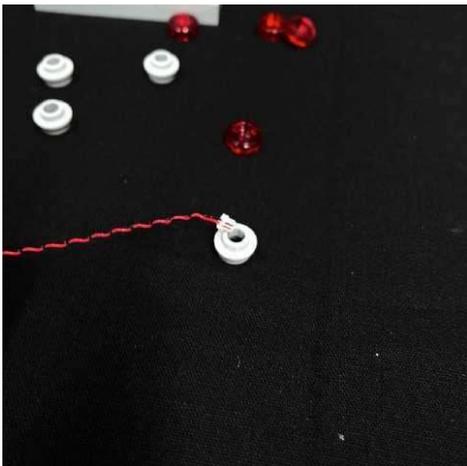
Continue to disconnect pieces from the back of the car.



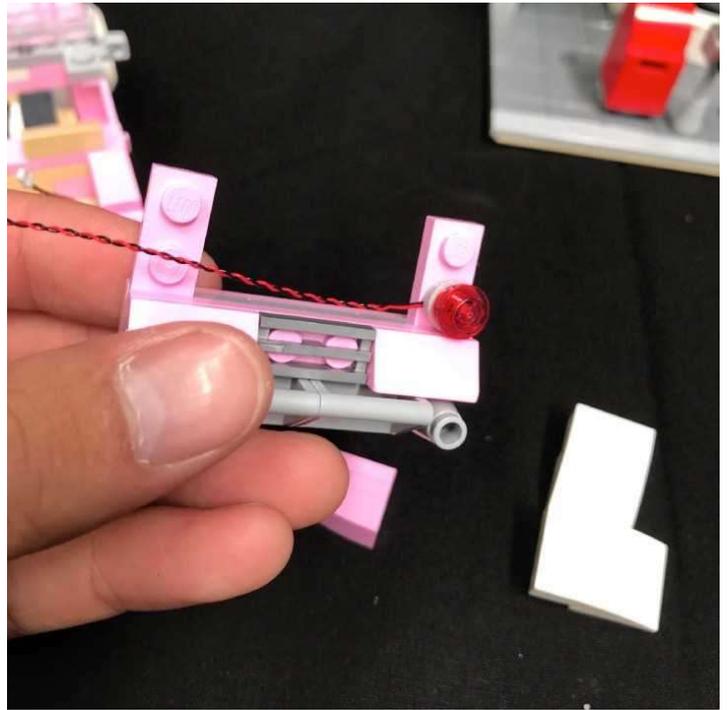
6.) Disconnect and disassemble the four tail light sections as per below:



7.) Take another White 15cm Bit Light and then thread the connector side through the top of one of the Light Grey Round Plates. Thread it all the way through and then slightly bend the Bit Light so that it sits at against the top of the plate.



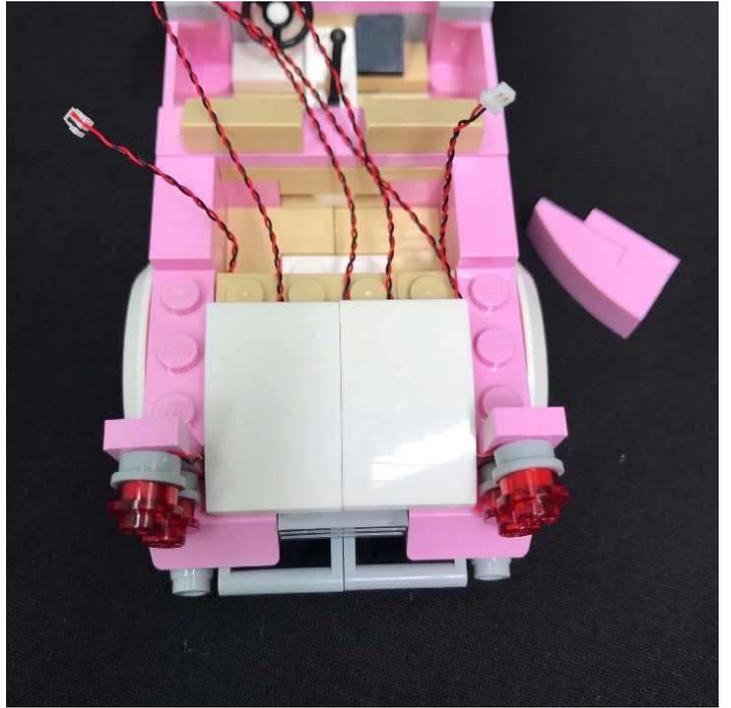
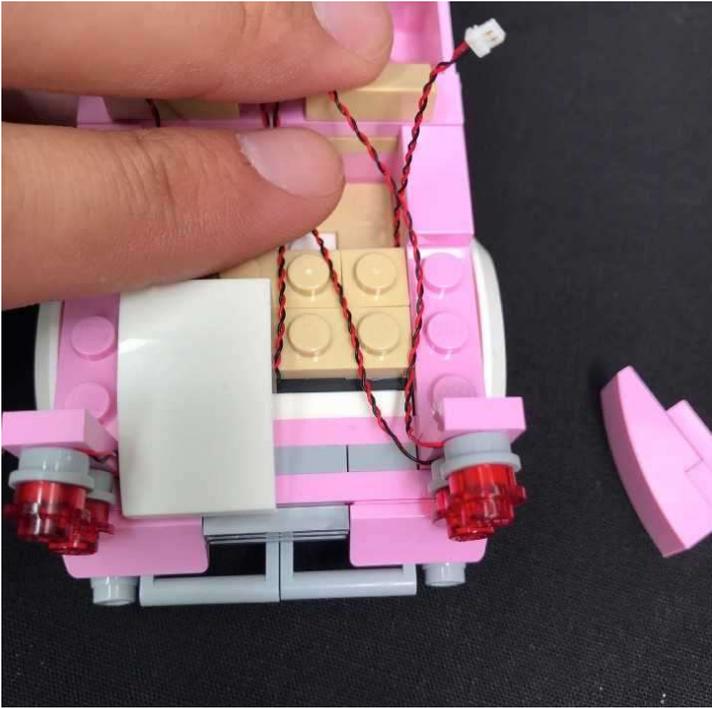
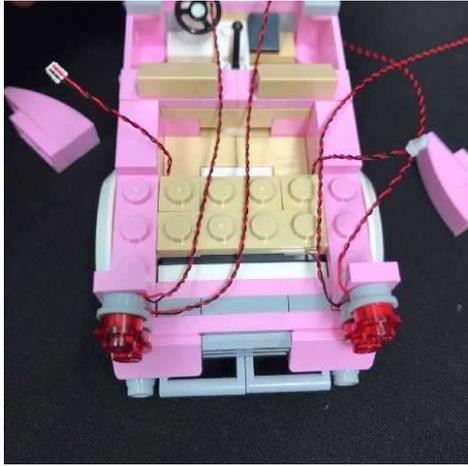
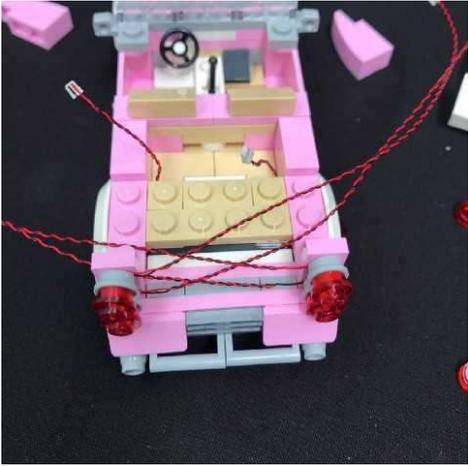
Take one of the provided Trans Red Round Plates 1x1 and then connect it over the top to secure the Bit Light in place. Reconnect this plate to the back section ensuring the cable is facing toward the middle of the car.



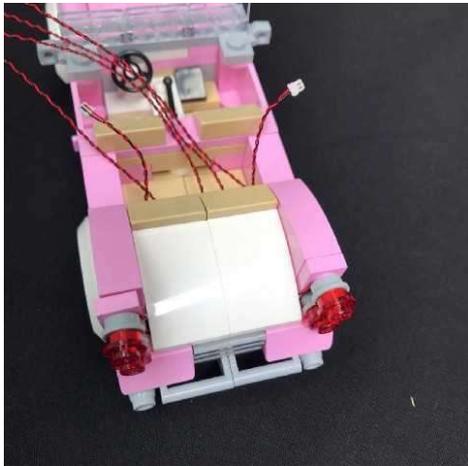
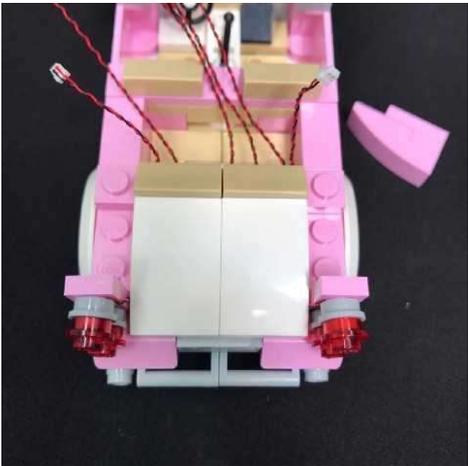
8.) Repeat previous step to install another 3x White 15cm Bit Lights to the back of the car.



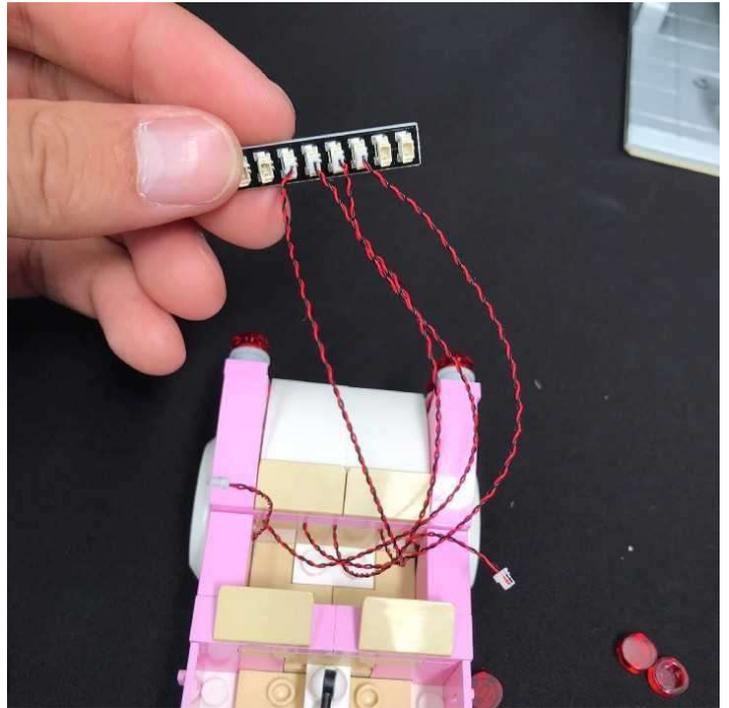
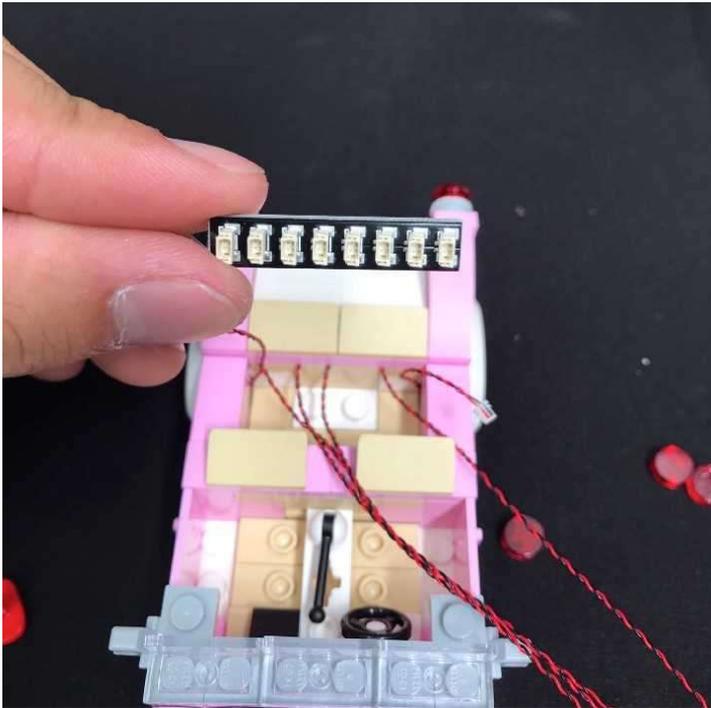
9.) Reconnect the back section to the car and then take the two BitLight cables from each side and lay them in between studs before reconnecting each curved white piece on top.



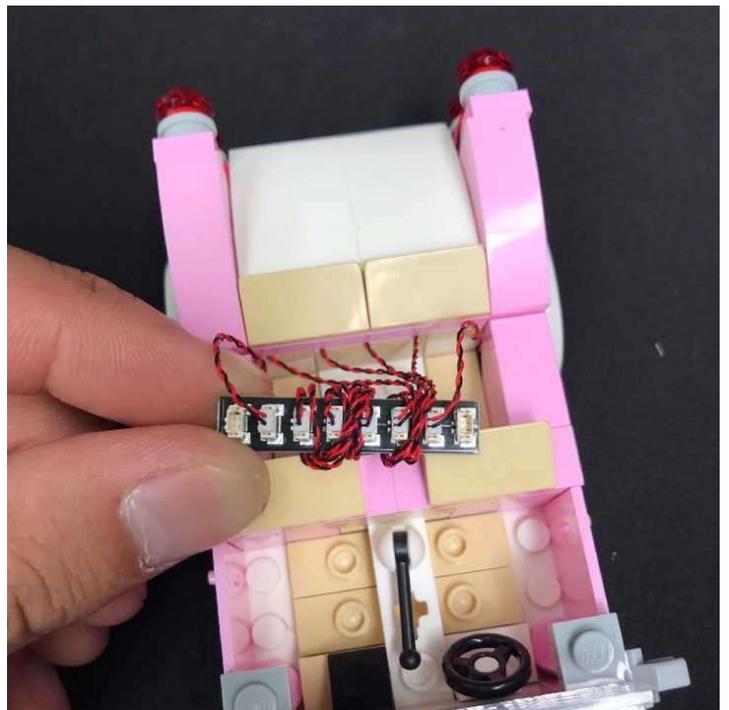
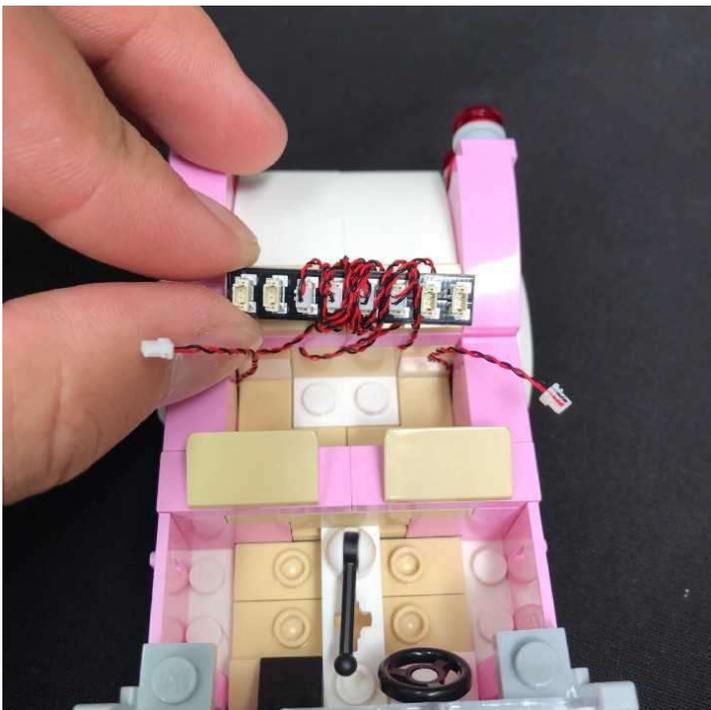
Continue to reconnect surrounding pieces to the back of the car.



- 10.) Take an 8-port Expansion Board and then connect the four Bit Light cables from the back of the car to the inside ports.

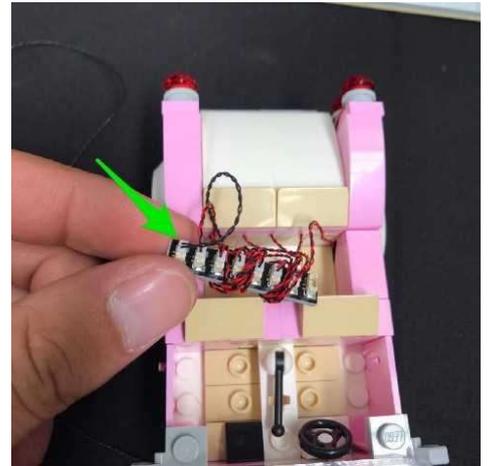
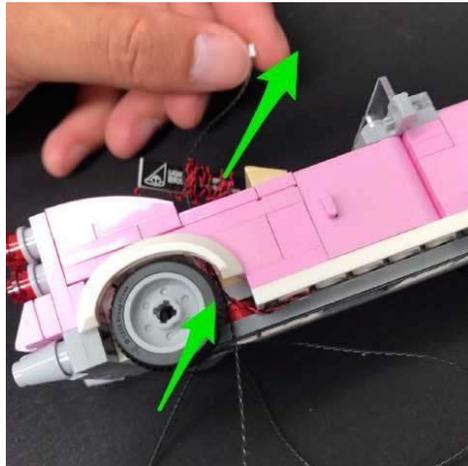
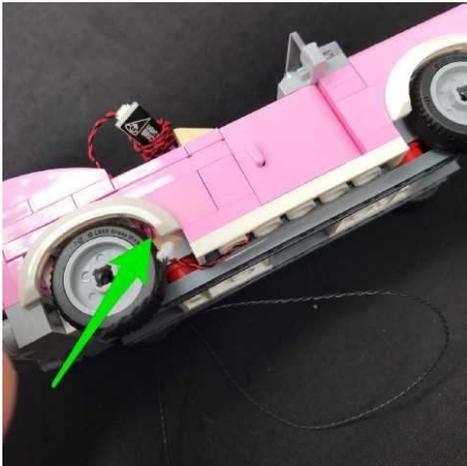


- Wind the four cables around the expansion board 3-4 times until the board is close enough to the top of the car seat then connect the two Bit Light cables from the front of the car to the out side ports.



- 11.) Take the 50cm Connecting Cable and then thread one side underneath the car and then up the spacing in between the back wheel

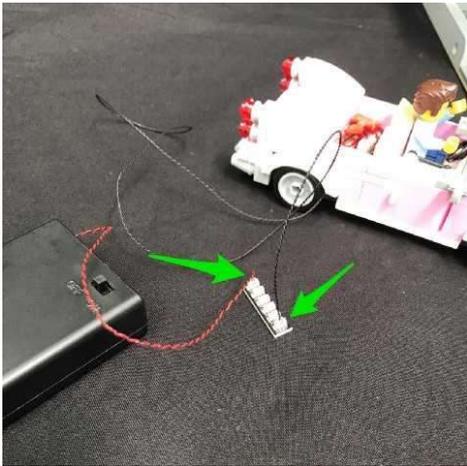
and side of the car. Pull it up from the top of the car and then connect it to one of the spare ports on the expansion board.



Neatly place the expansion board on top of the back seat then add the guitar and mini figure.



Test the lights we have installed so far by connecting the other end of the 50cm connecting cable to a spare expansion board and then connect the AA Battery Pack to a spare port (rst ensure you insert 3x new AA batteries).



This completes the installation of lights for the car and we are now ready to move on to lighting the Downtown Diner.

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Lighting the Downtown Diner

- 1.) First remove the top two levels of the Downtown Diner then disconnect the lamp post and 2x4 plate underneath.



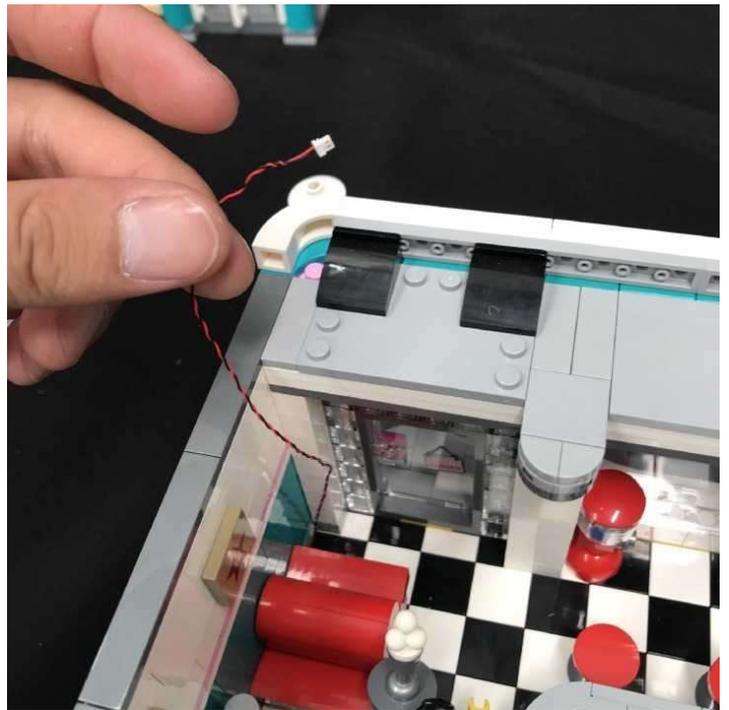
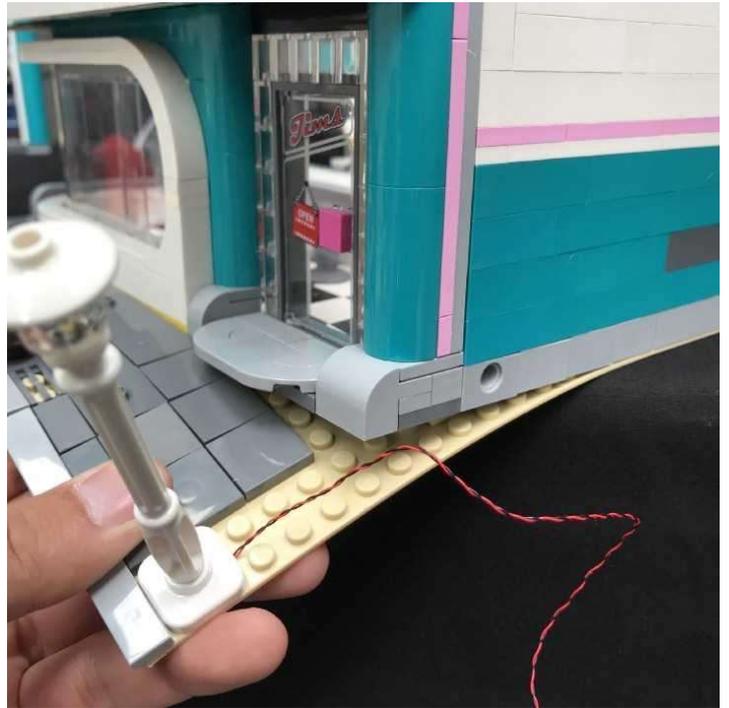


Disconnect the following two grey tiles above where the lamp post was connected to.



2.) Take the LEGO Lamp Post with Bit Light installed and then connect it to the base plate ensuring the cable is facing toward the building. Gently bend the corner of the base plate down so that the bottom right corner of

building disconnects and provides a gap underneath. Thread the lamp post cable in between this spacing and then pull the cable up from the inside.

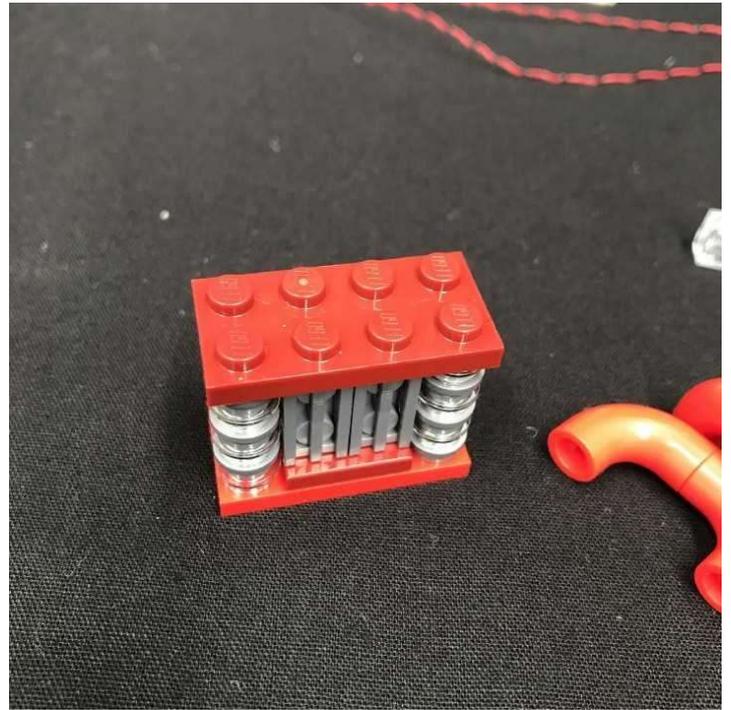


Pull the cable all the way up eliminating excess cable between the lamp post and building and then reconnect the bottom right corner of the building to the base plate. Ensuring the lamp post cable is laid in between studs, reconnect the tiles we removed earlier

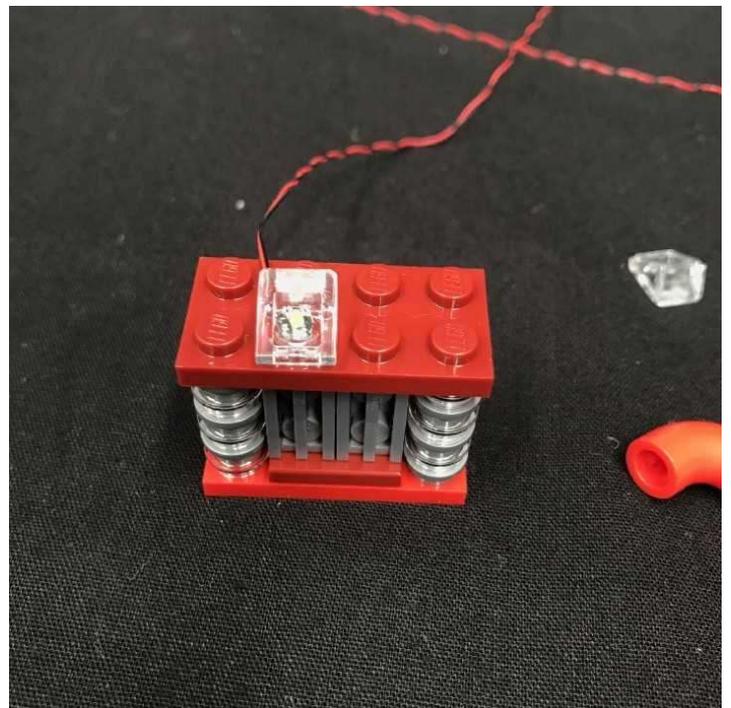
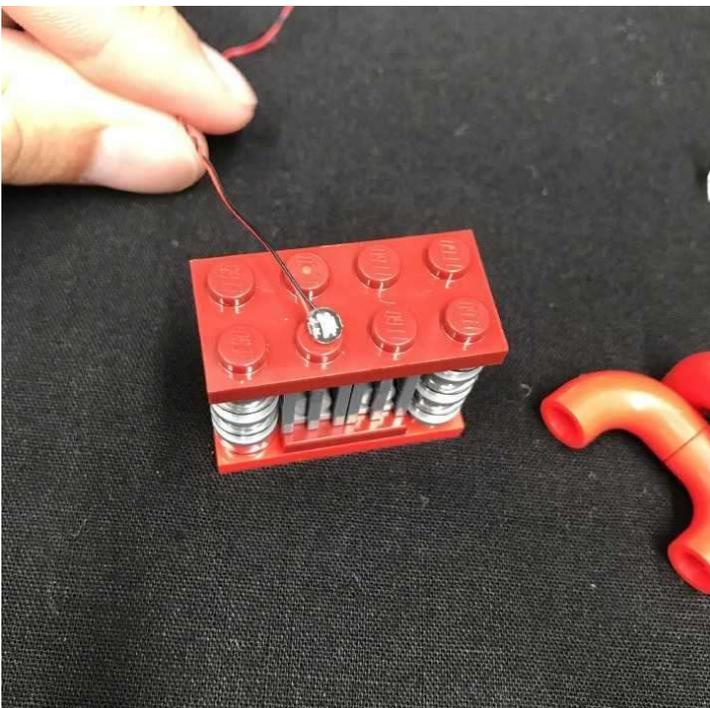


3.) We will now install ashing lights to the jukebox. First disconnect the jukebox and then disassemble pieces as per below:

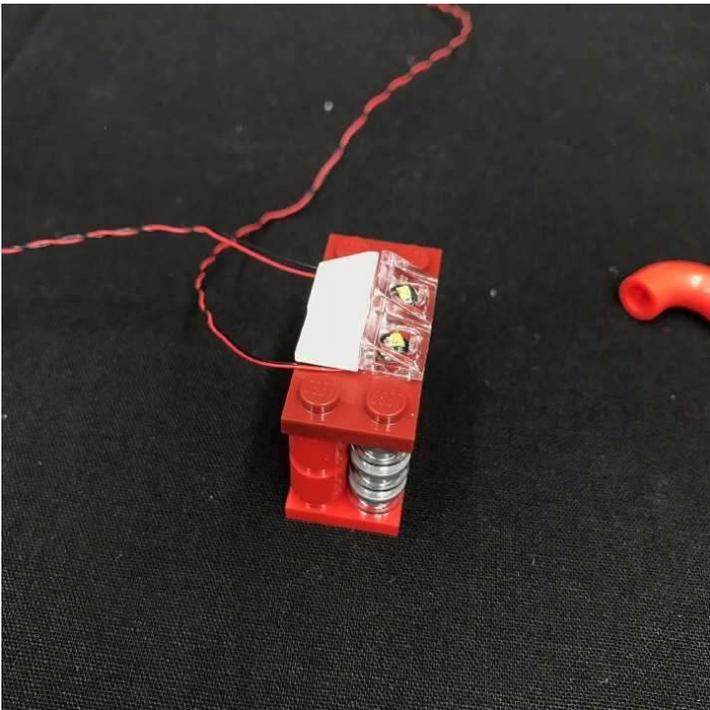
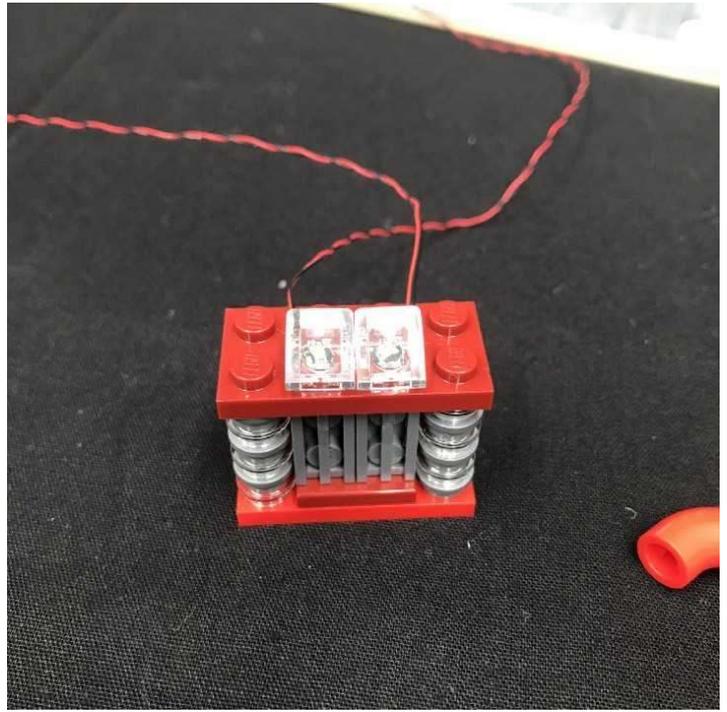
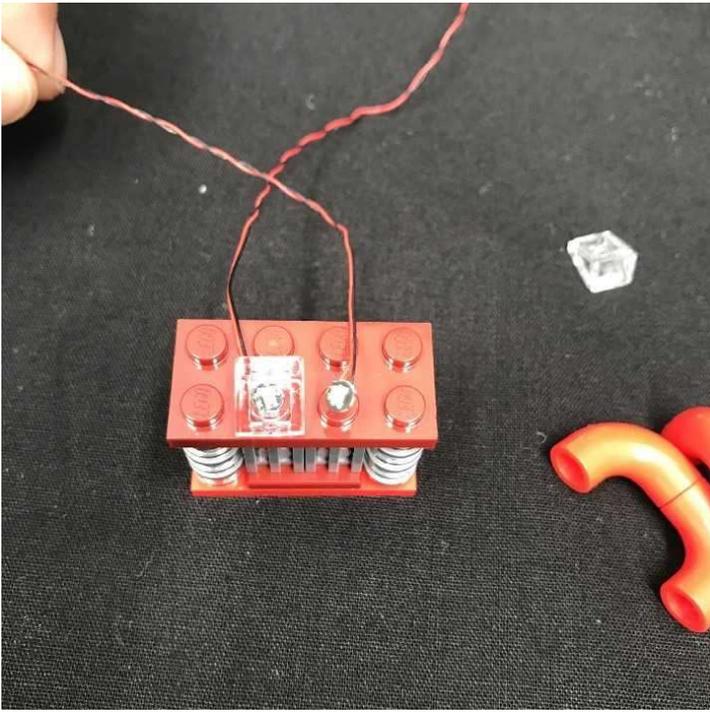




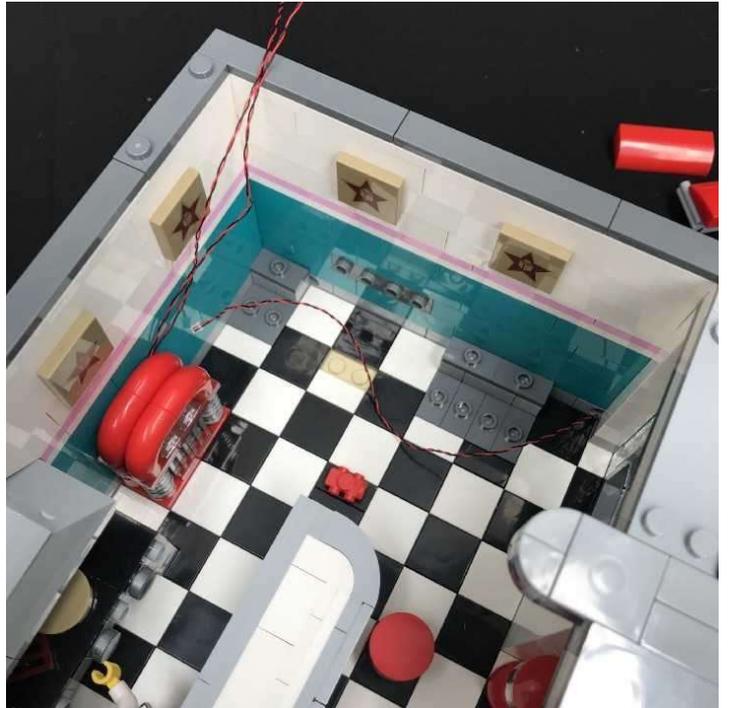
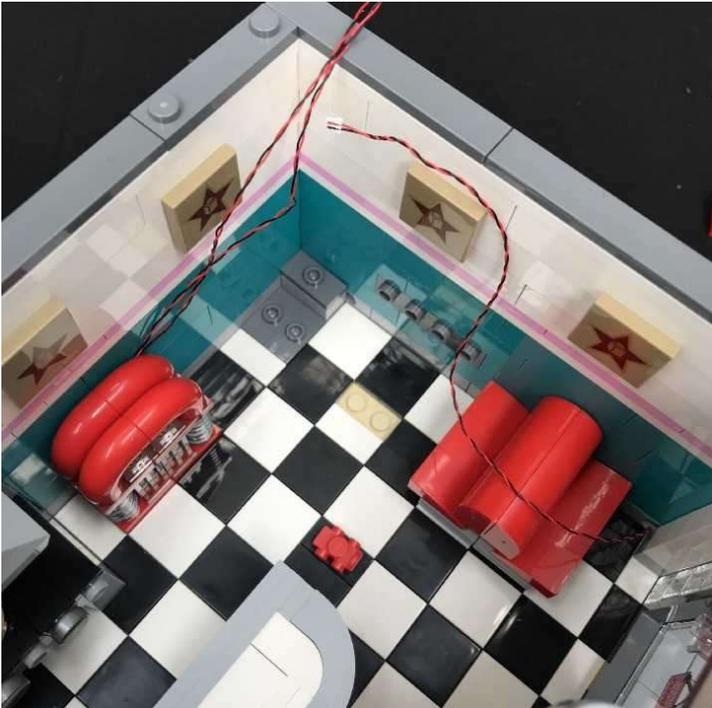
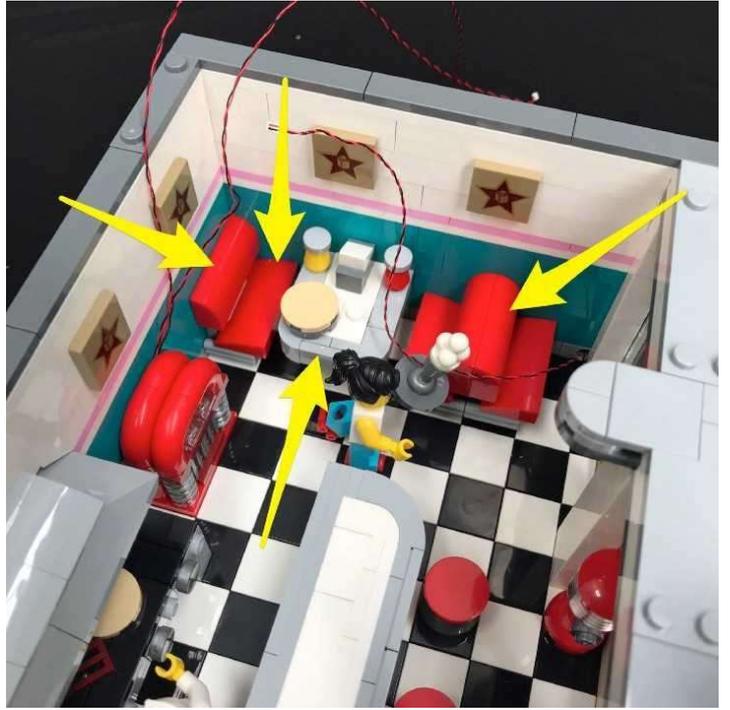
4.) Take a Flashing White 30cm Bit Light and then place it (with cable facing toward the back) directly over the top of the stud toward the front of the jukebox. Reconnect one the angled trans clear tiles over the top securing the Bit Light in place.



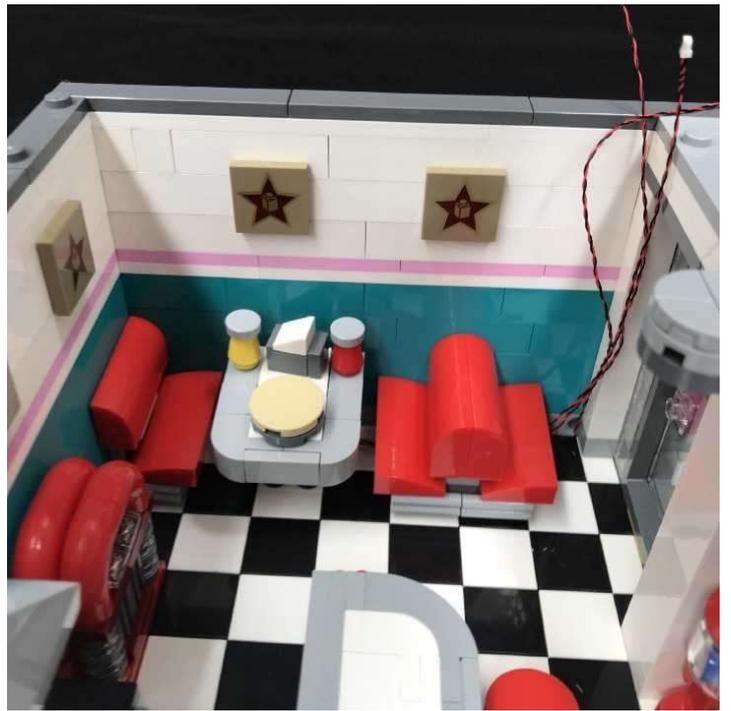
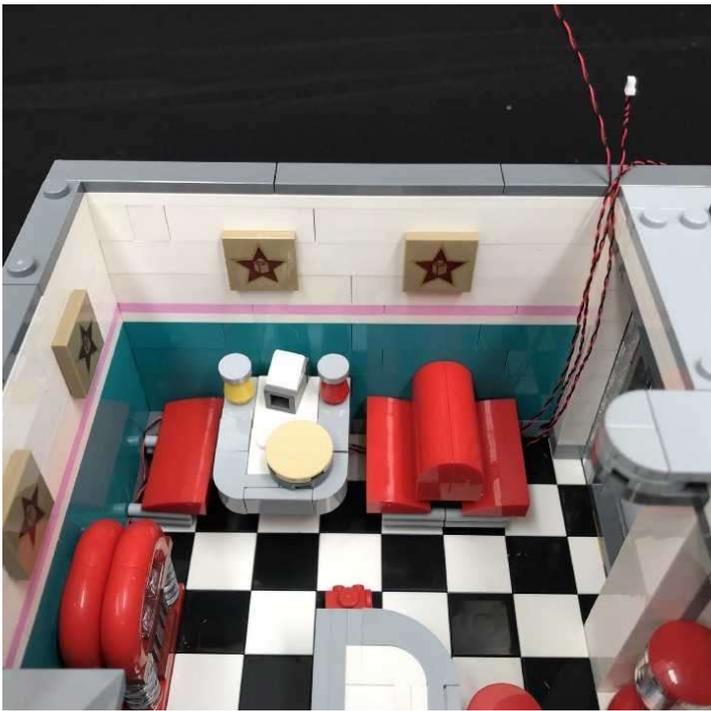
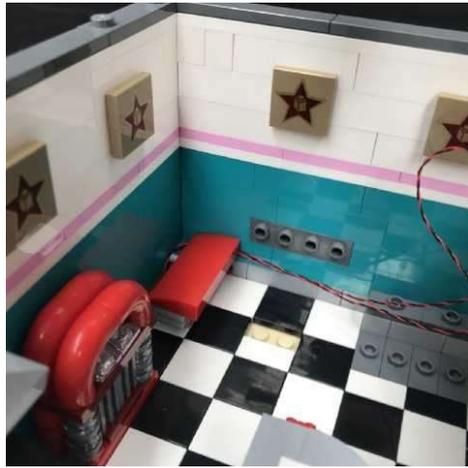
Repeat this step to install another Flashing White 30cm Bit Light to the right side then reconnect surrounding pieces of the jukebox.



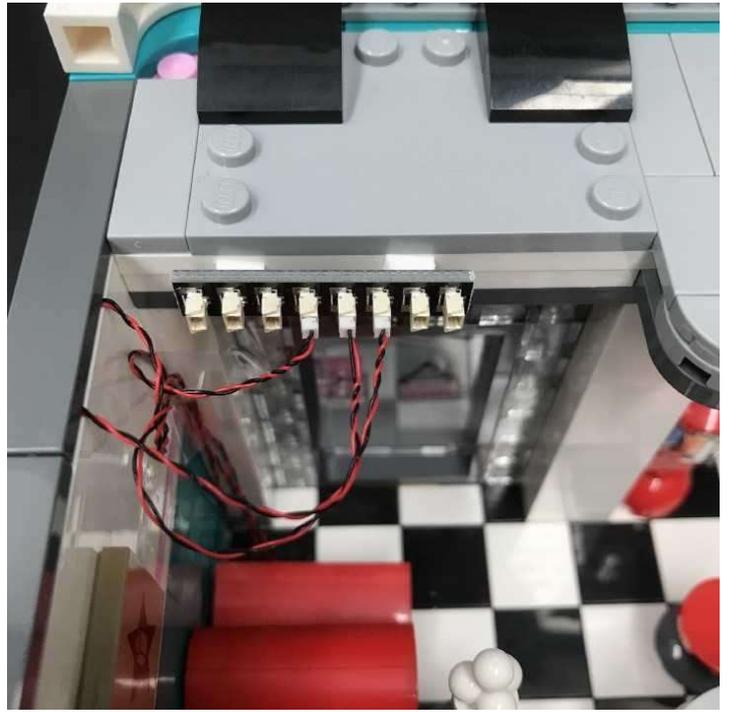
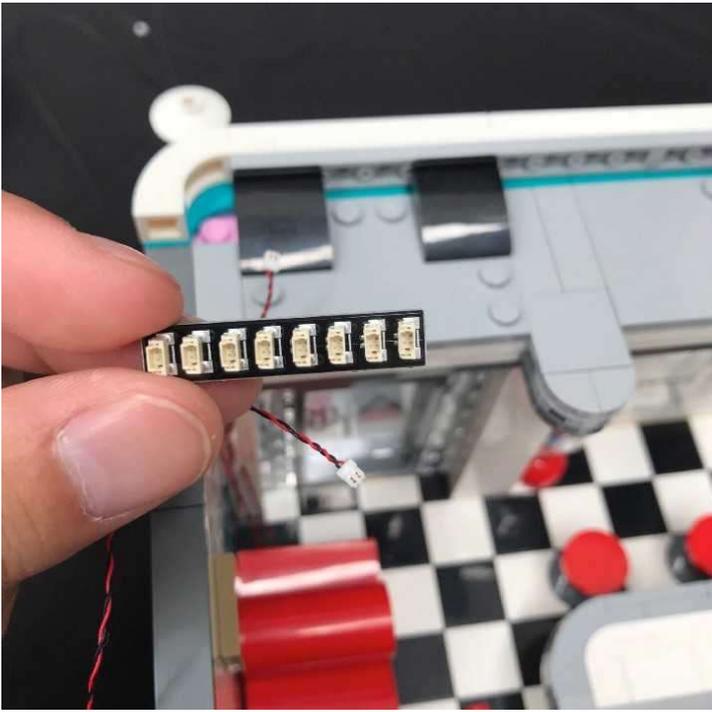
5.) Reconnect the jukebox to the inside of the diner and then remove the following sections which make up the bench in the corner, side tables and extra seats.



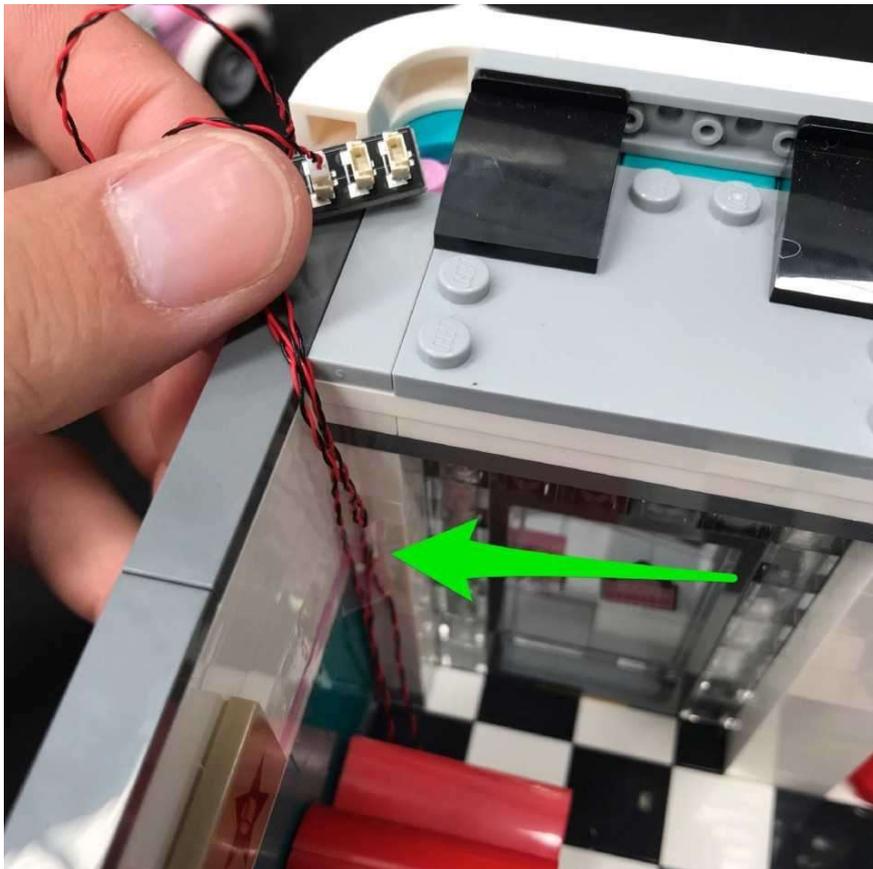
Lay the two cables from the jukebox down and around the bottom corners of the diner. Secure them in place by rst reconnecting the bottom of the corner seat, followed by the table, then the remaining chairs.



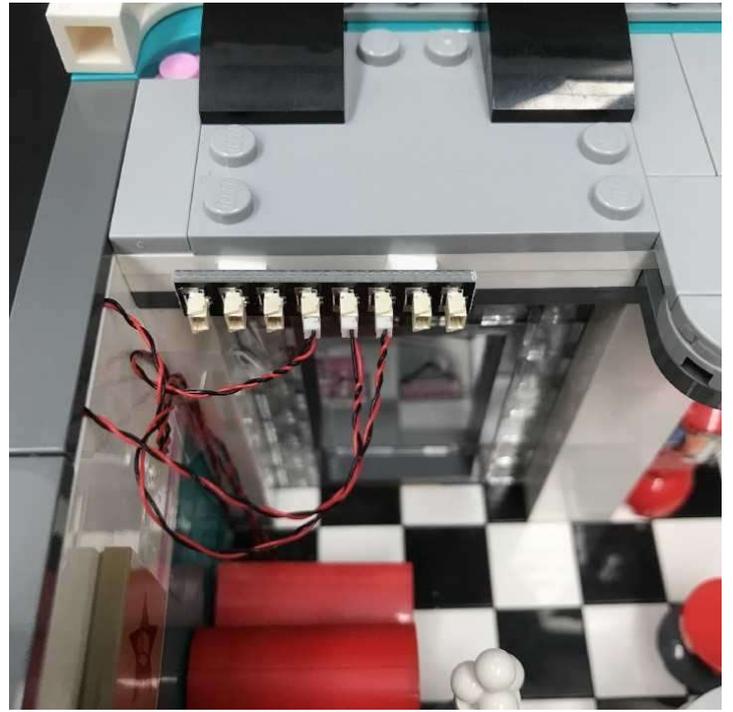
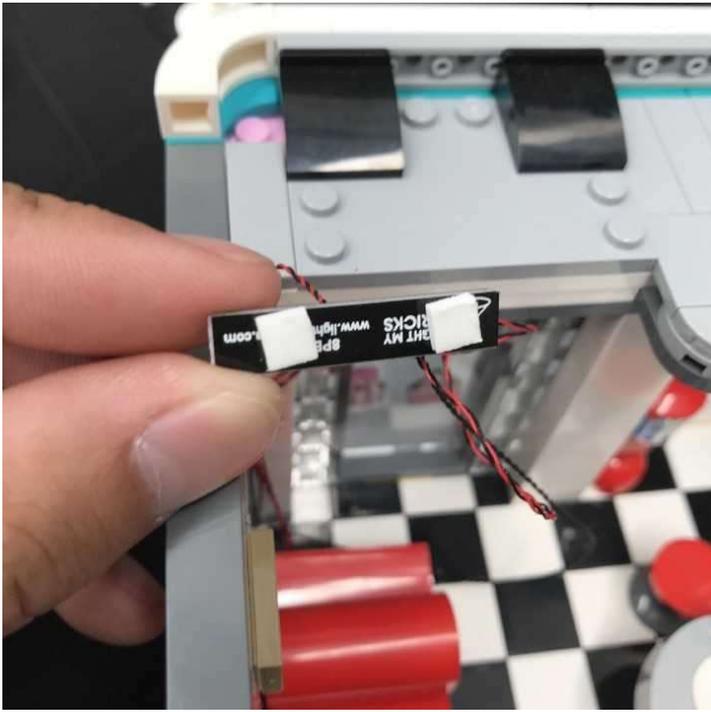
6.) Take the 8-Port Expansion Board and then connect the two cables from the jukebox as well as the lamp post cable to the inside ports.



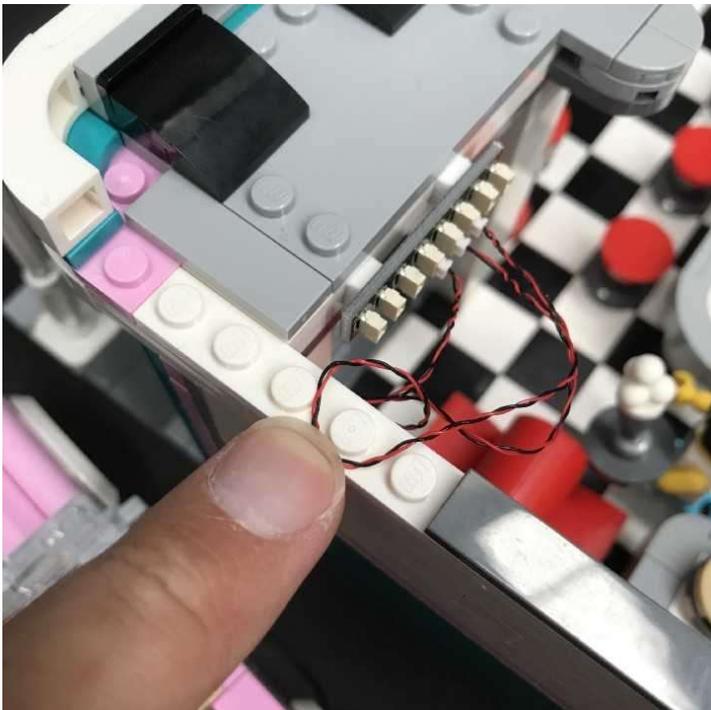
Pull the three cables up the corner of the diner and then use tape to secure them down.



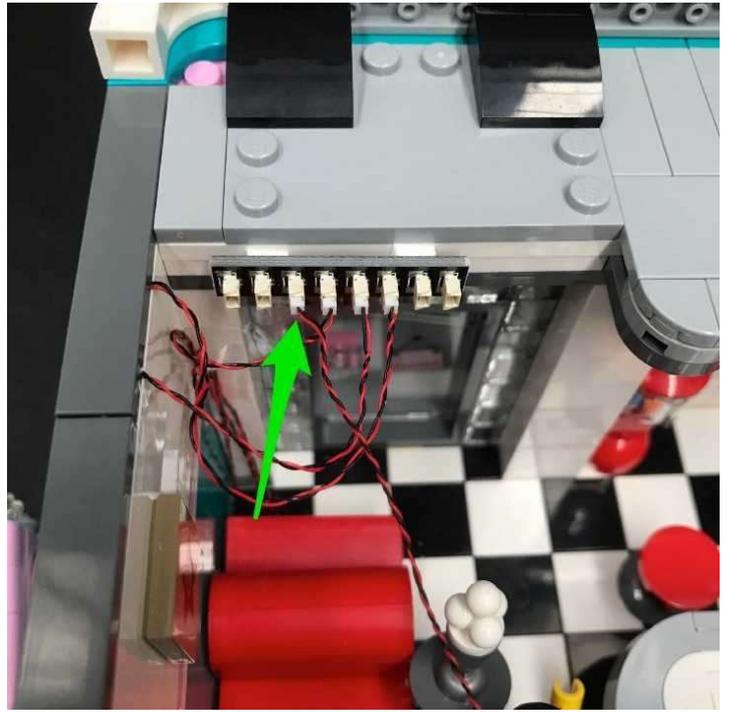
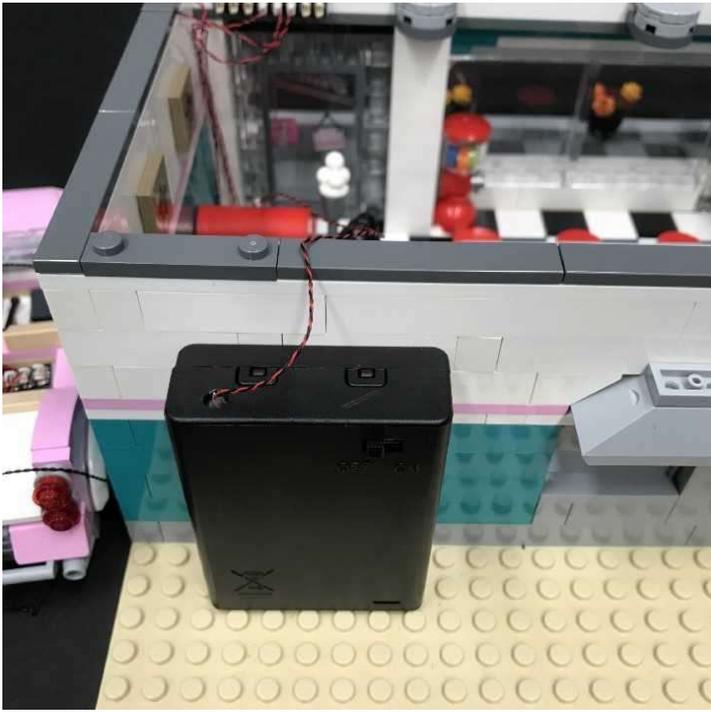
Using 2x Adhesive Squares, mount the expansion board to the inside of the diner in the following position.



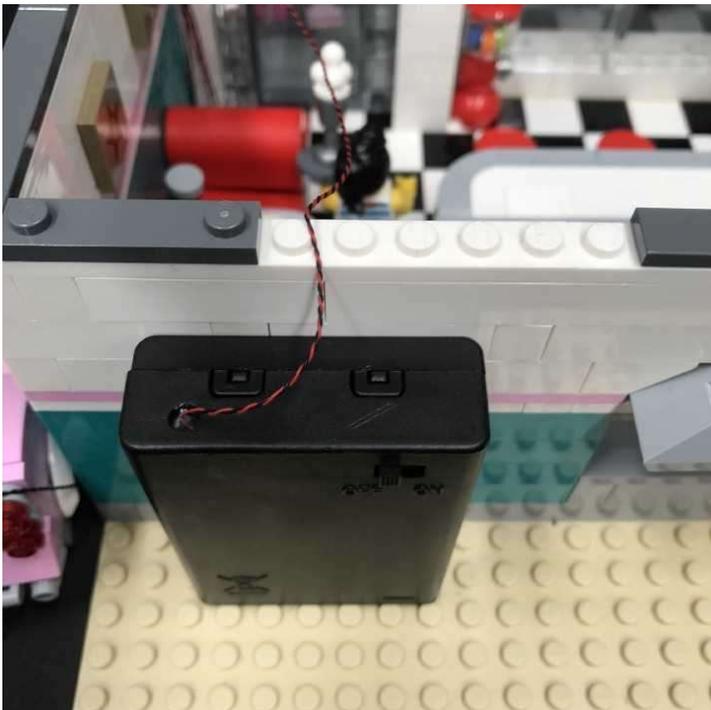
3.) To prevent cables from dangling down you can secure them underneath the top tiles by laying them in between studs.



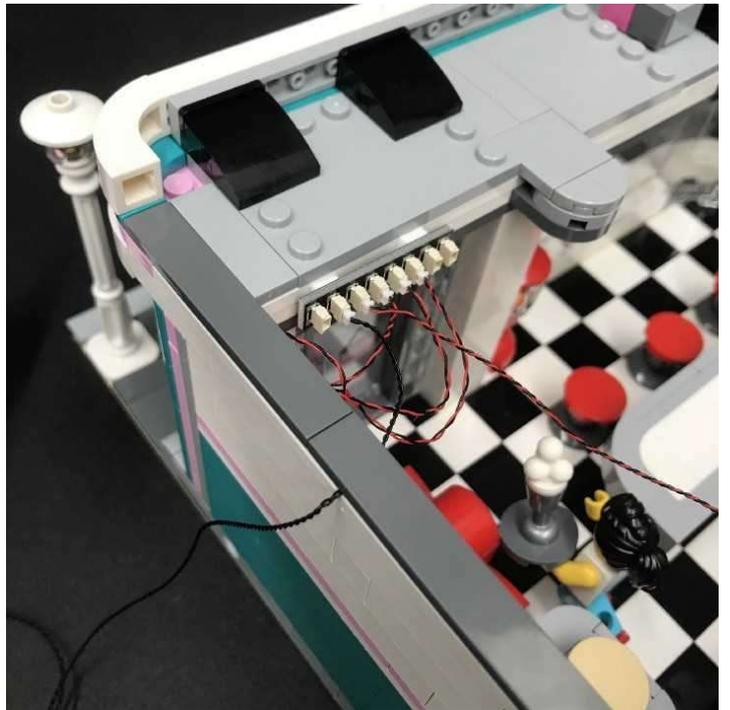
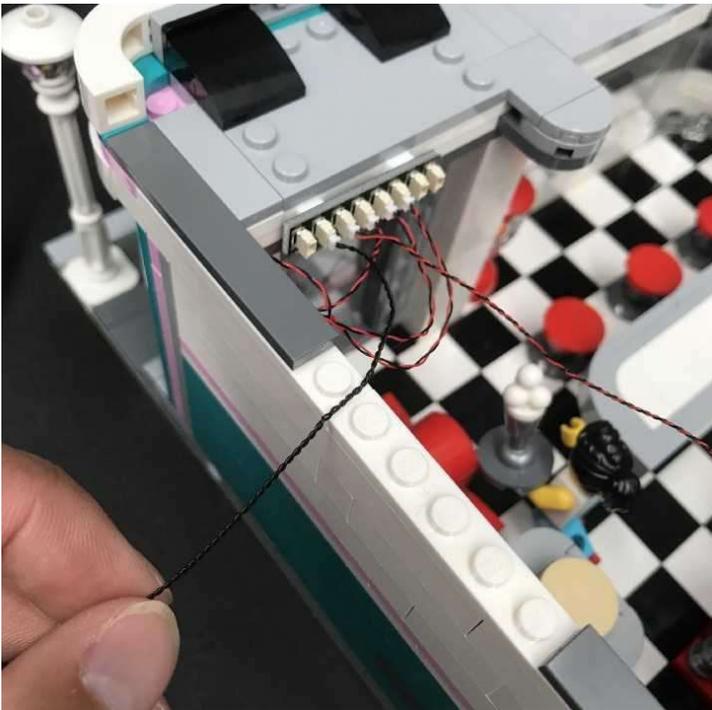
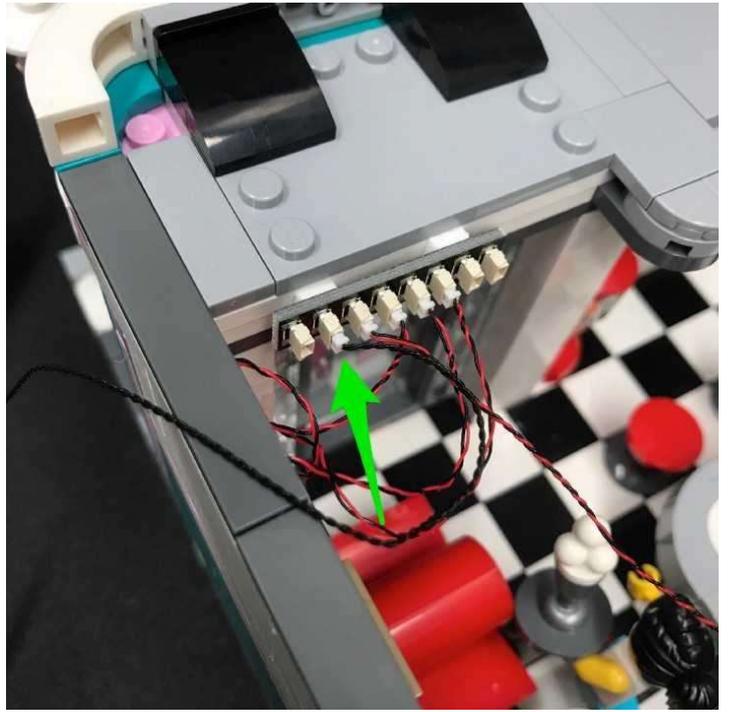
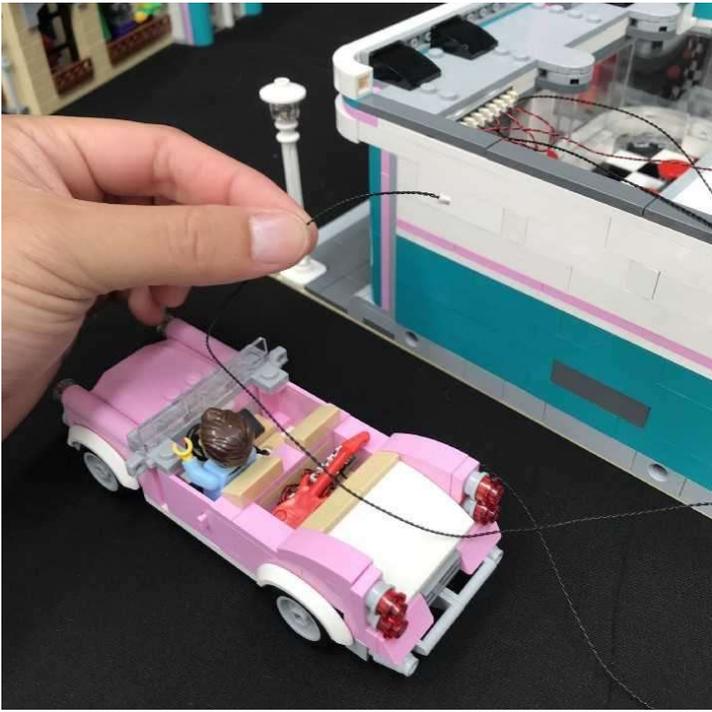
4.) Take the AA Battery Pack and then place it behind the Downtown Diner as per below. Bring the cable over the wall and then connect it to a spare port on the 8-port Expansion Board.



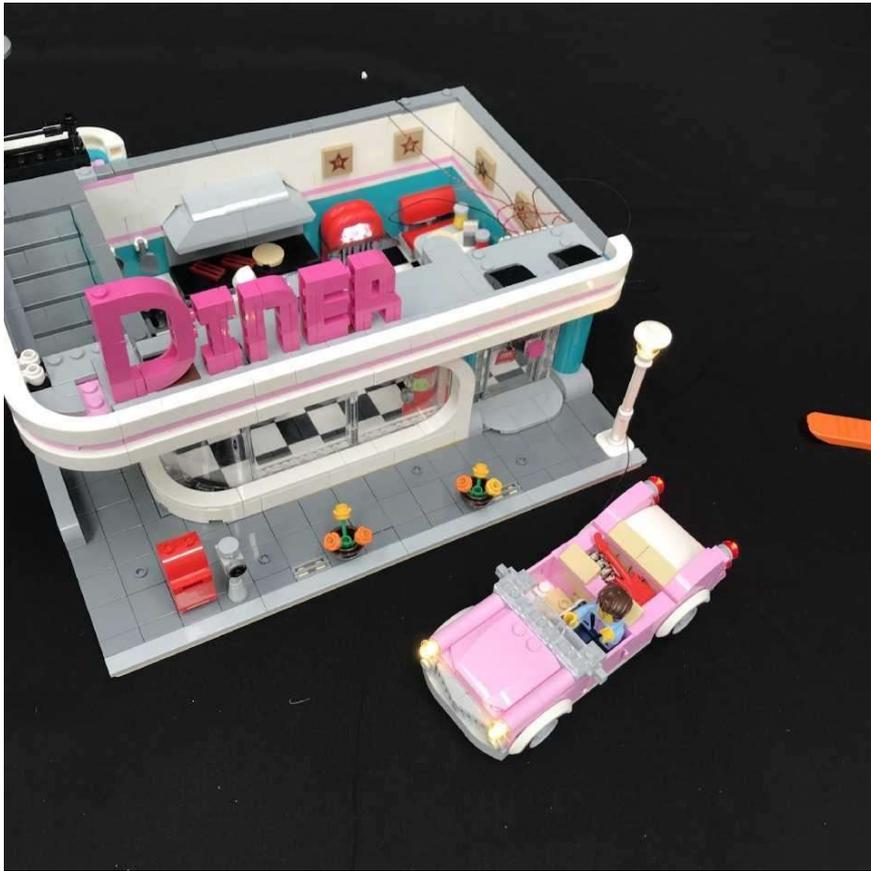
Secure the Battery Pack cable by laying it underneath the tile on the top.



5.) Take the other end of the 50cm Connecting Cable from the Car and then connect it to a spare port on the expansion board. Secure the cable in place by laying it underneath one of the tiles on the top of by building.



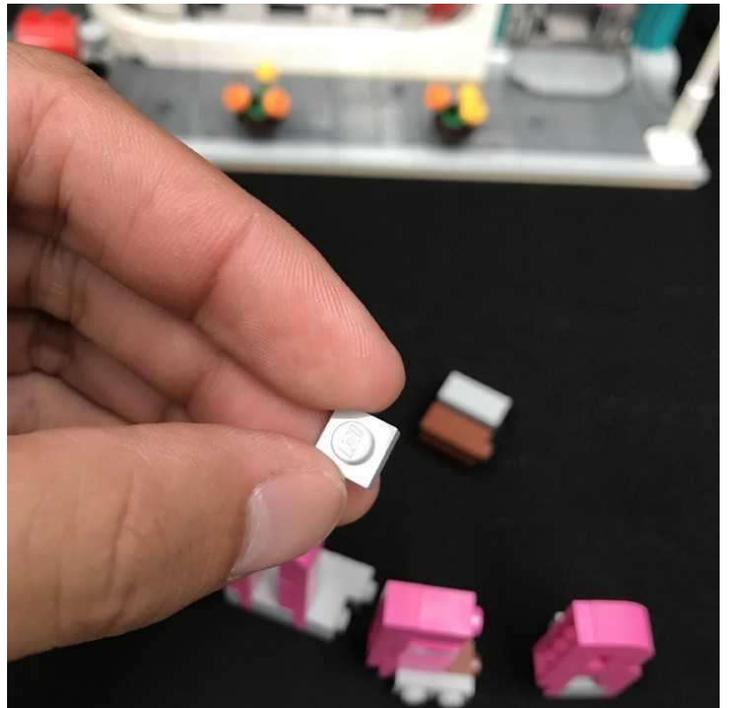
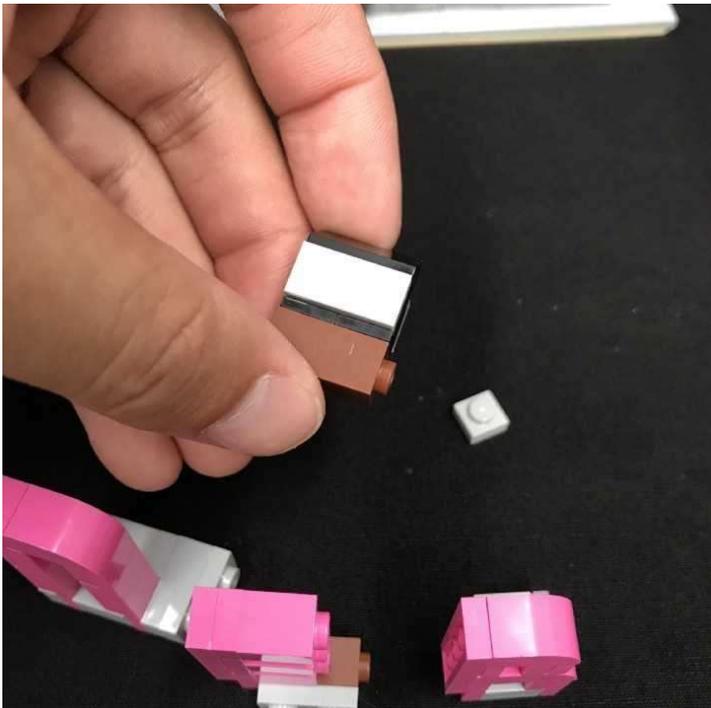
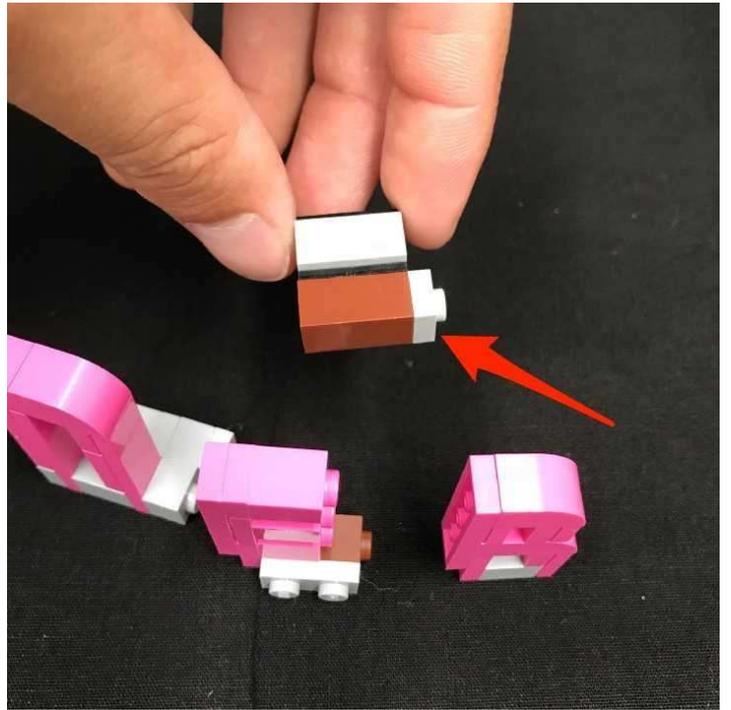
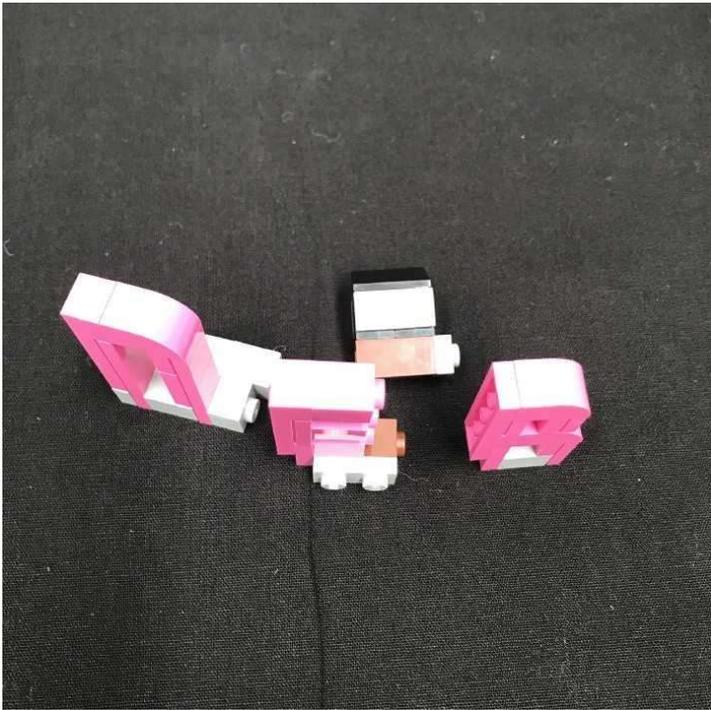
Turn the AA Battery Pack on and ensure the lights we have installed so far are working OK.



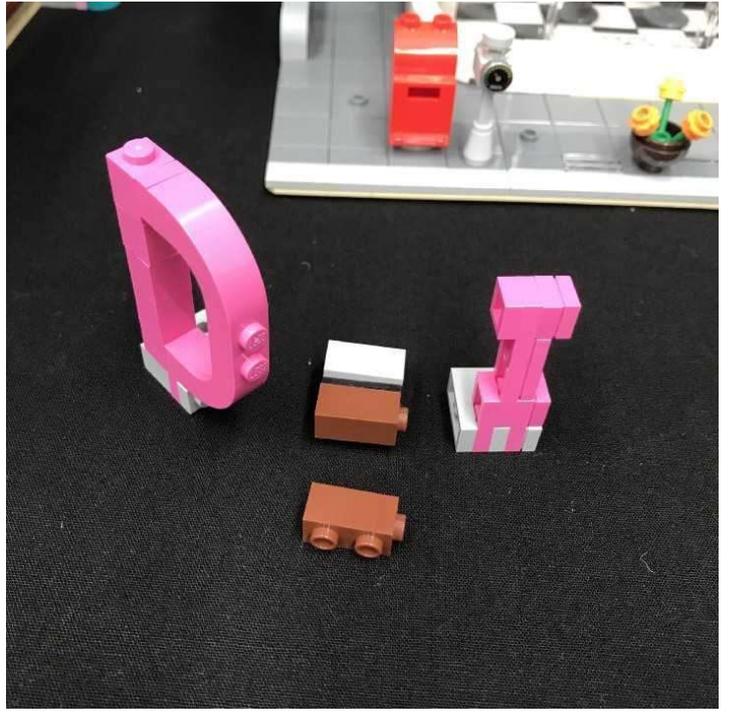
6.) We will now slightly modify the 'Diner' sign on top of the first floor so that it sits slightly back from original position. We need to create this little gap in order for us to install strip lights to shine on the sign. To start, first disconnect both sections of the sign.

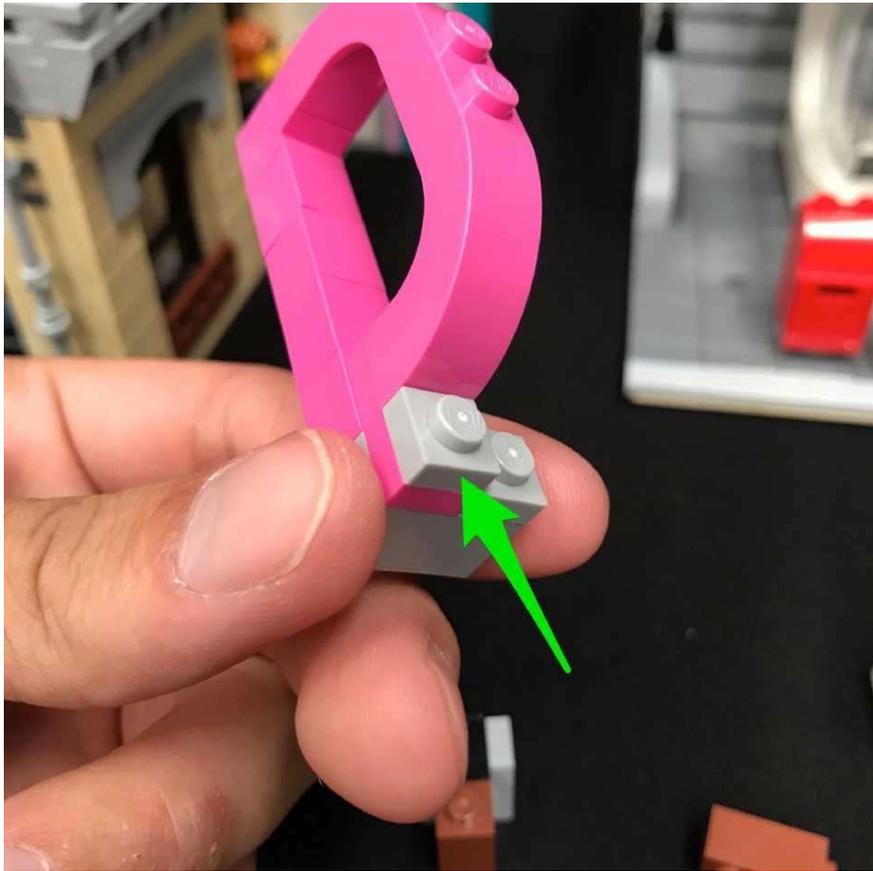


Separate the letters 'n', 'e', and 'r' and then disconnect the light grey 1x1 plate from the section in between 'e' and 'r'. Hold onto this 1x1 plate as we will bring this over and use this to connect to the section in between 'D' and 'I'.

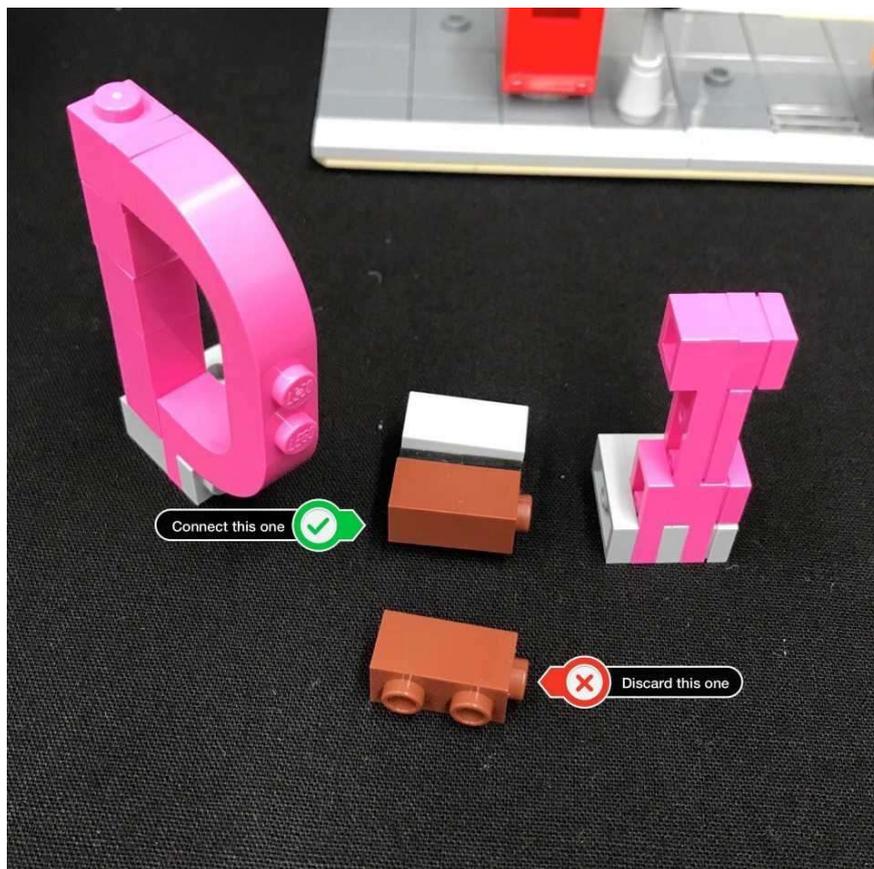


Disconnect the 2 sections in between letters 'D' and 'I' and then remove and discard the light grey 1x2 plate from the bottom of letter 'D'. Take the light grey 1x1 plate we disconnected earlier and then connect it to the pink stud at the lower front of the 'D'.

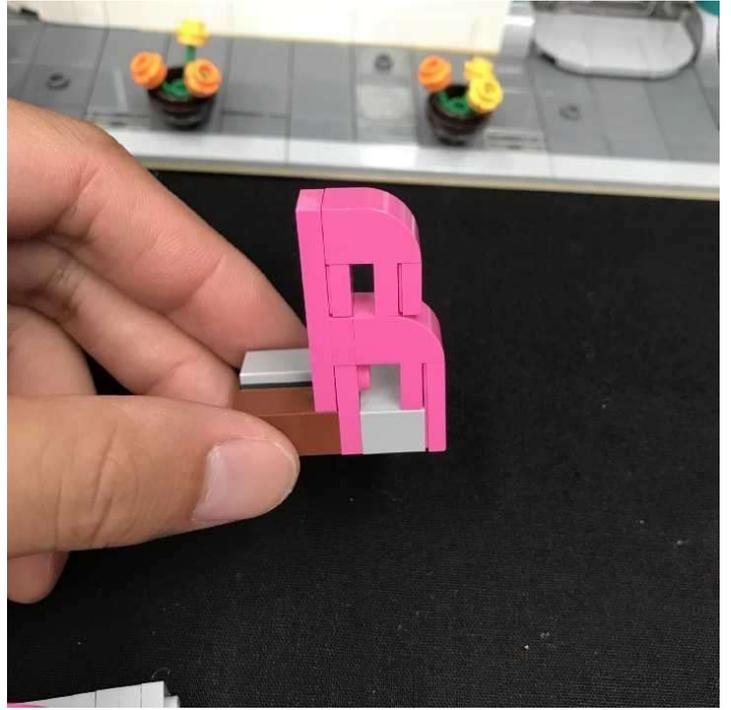
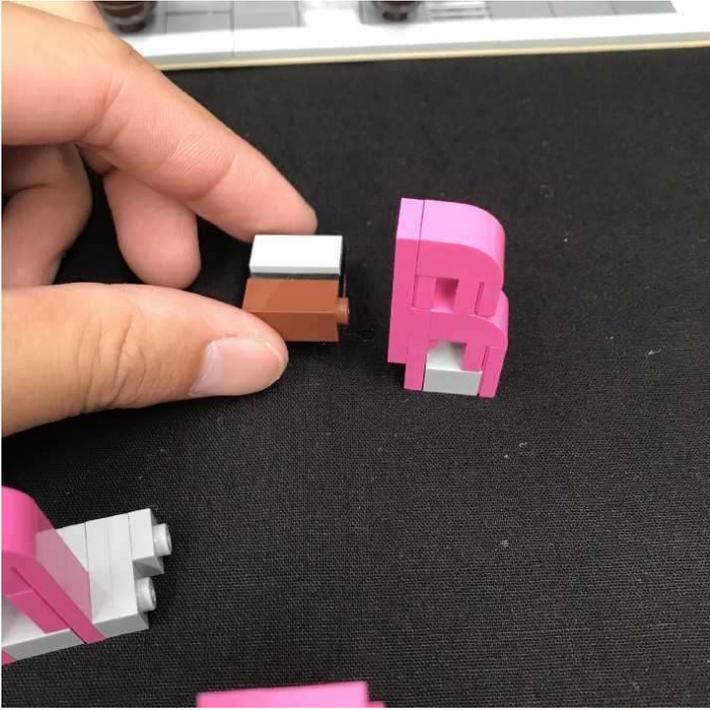




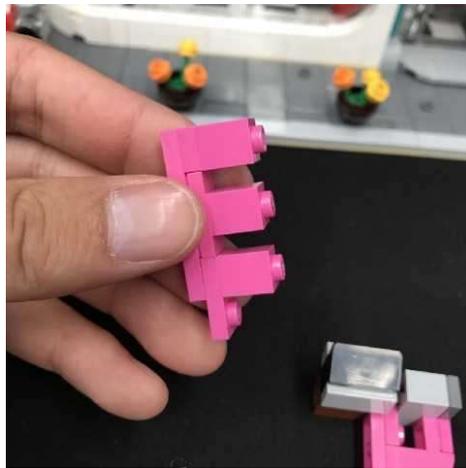
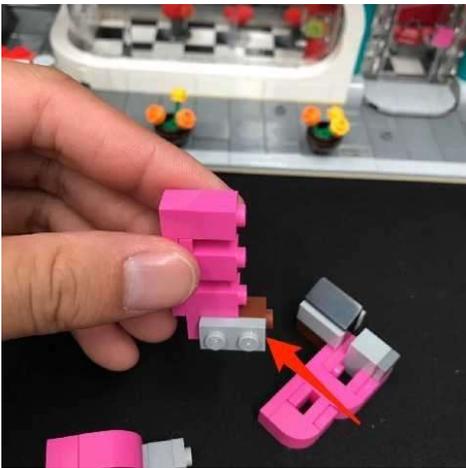
There were two sections that were in between 'D' and 'I'. Discard the front section and then replace it with just the back section to connect 'D' and 'I' together.



Take the 'R' and then reconnect the section in between 'R' and 'E' to the bottom left of 'R'(section we removed the 1x1 plate from).



Take the 'E' and then disconnect and discard the section connected to the bottom right then reconnect 'E' to the new section next to the 'R'



Take the 'n' and then remove the light grey 1x1 plate from the bottom right. Reconnect the 'n' to the 'E'.

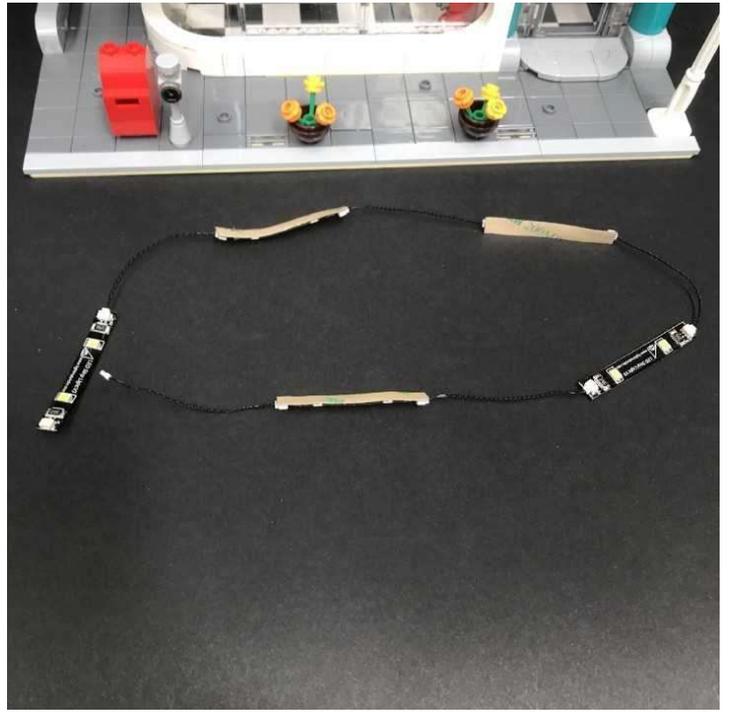
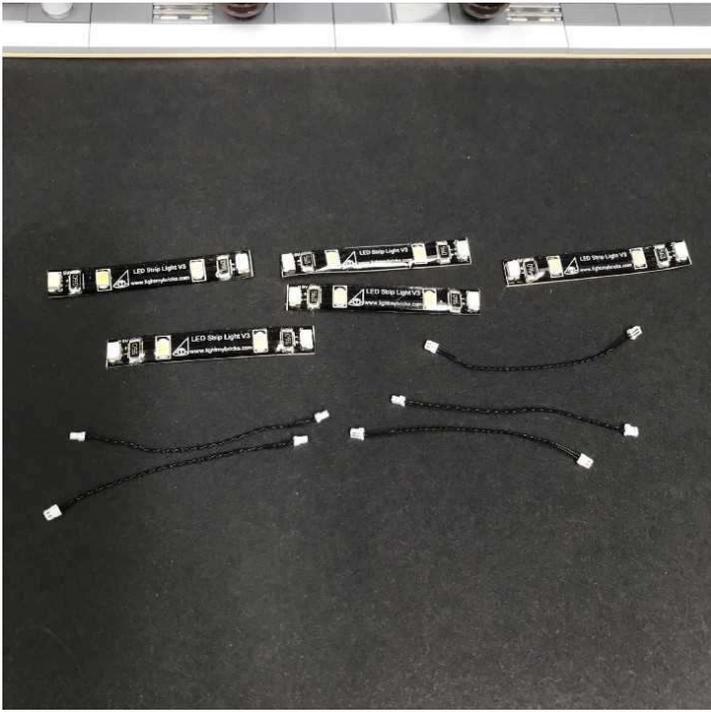


Place the two sections of the 'Diner' sign together and it should now look like below:

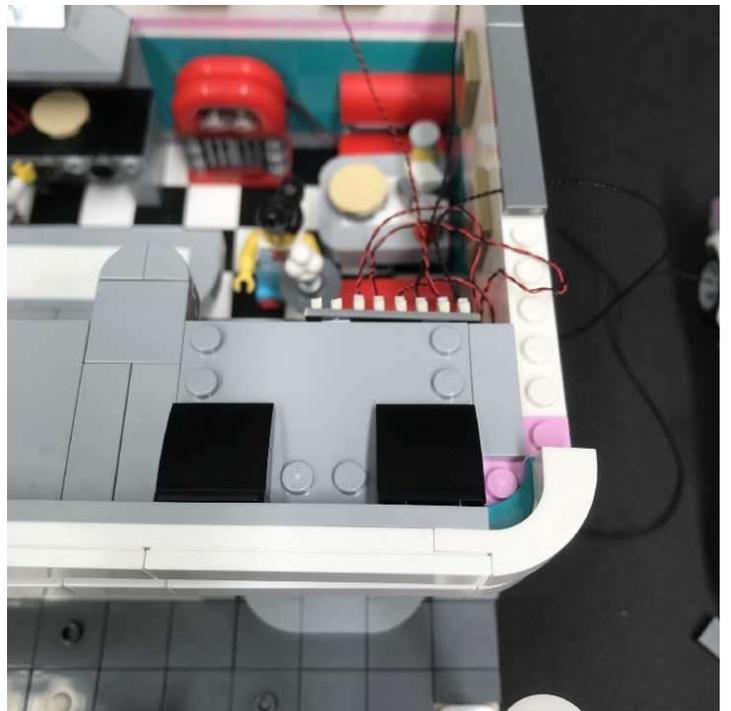
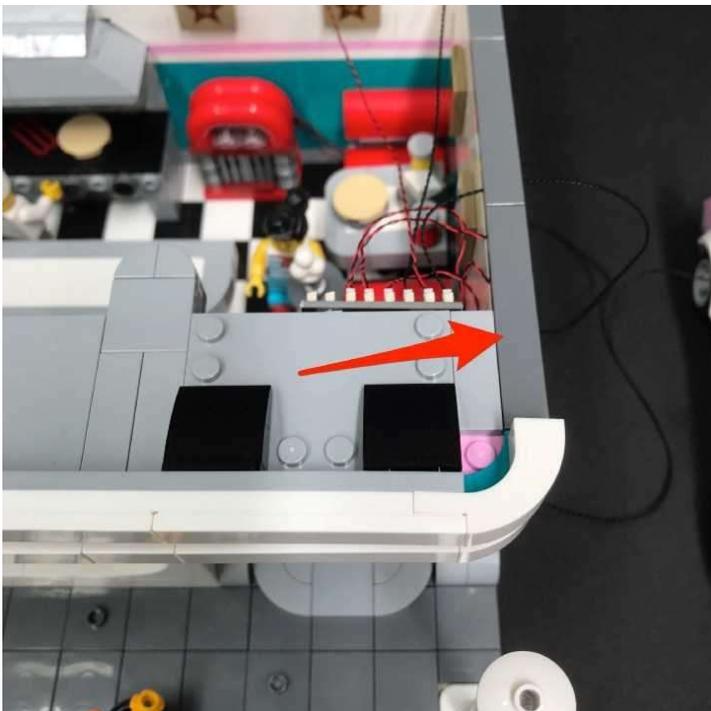
You should also have the same excluded pieces shown underneath. Set this 'Diner' sign aside for now and proceed to the next step.



7.) Take 5x White Strip Lights and 5x 5cm Connecting Cables and connect all the strip lights together leaving one side of a 5cm connecting cable disconnected.

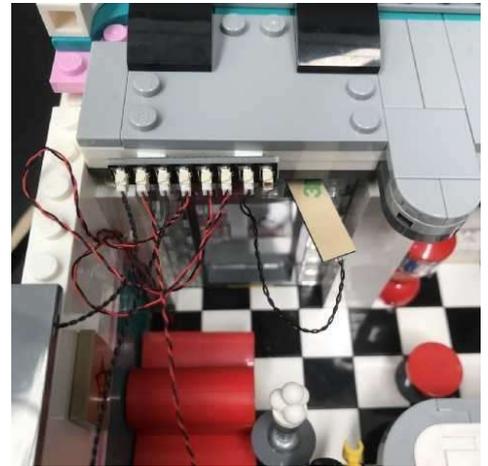
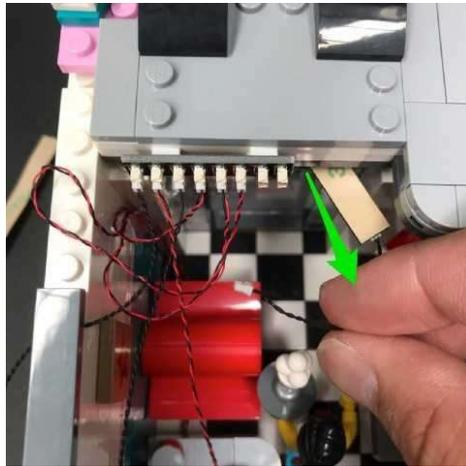


8.) First disconnect the following tile on the front right section of the Diner and then lift up the top section to create a gap underneath as per below:





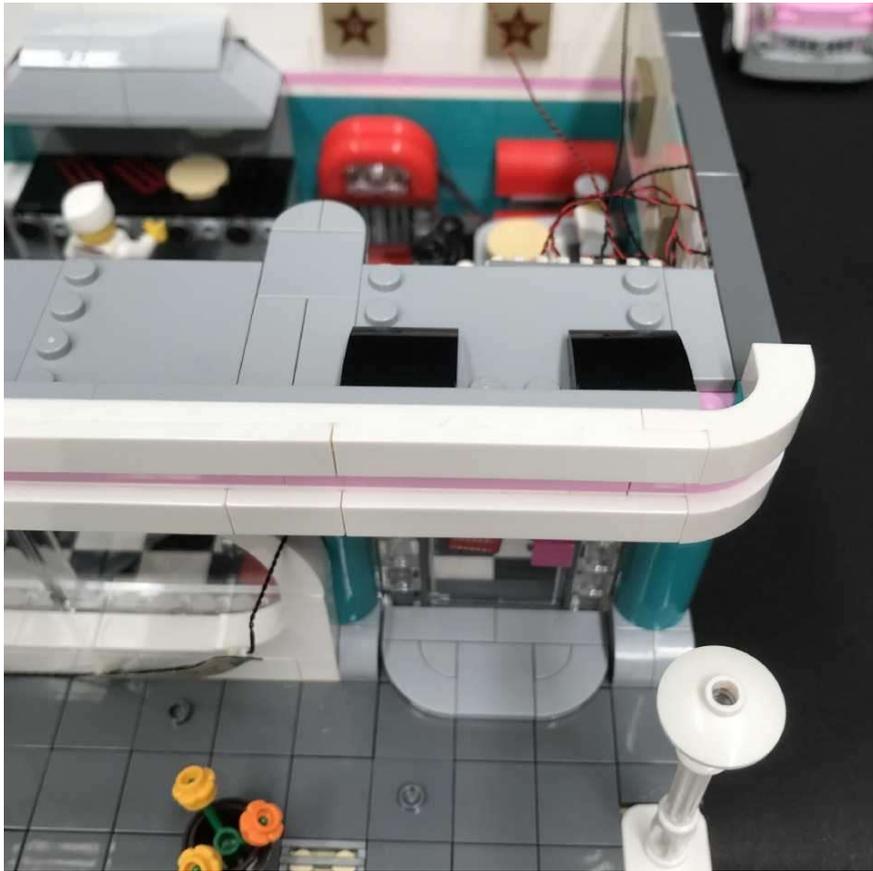
- 9.) Insert the end of the 5cm connecting cable through this space and then pull the cable up from the inside of the Diner. Connect this cable to the 8-port expansion board inside.



- 10.) Pull the Strip Light all the way out from the front of the Diner and then using its adhesive backing, stick it underneath the top section on the eave right above the front door.

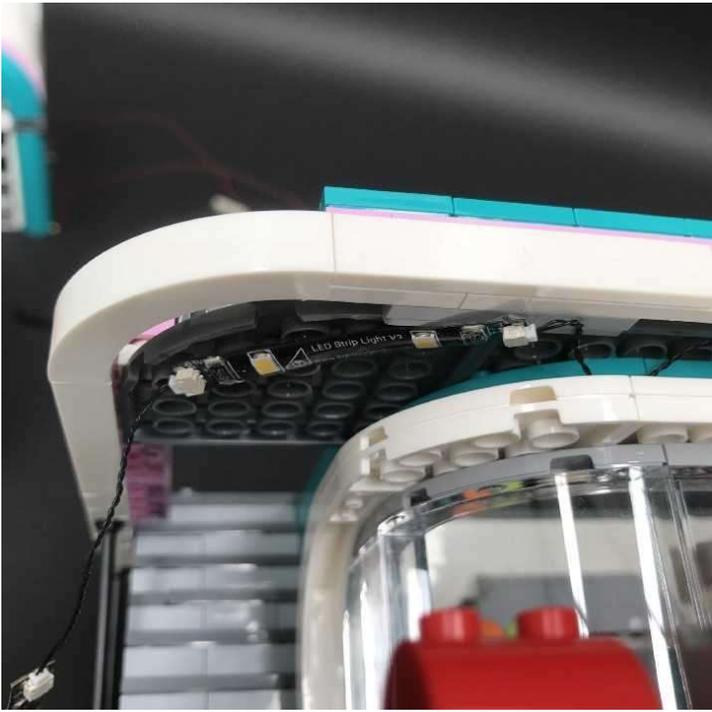


Reconnect the top section and tile we removed in step 8.

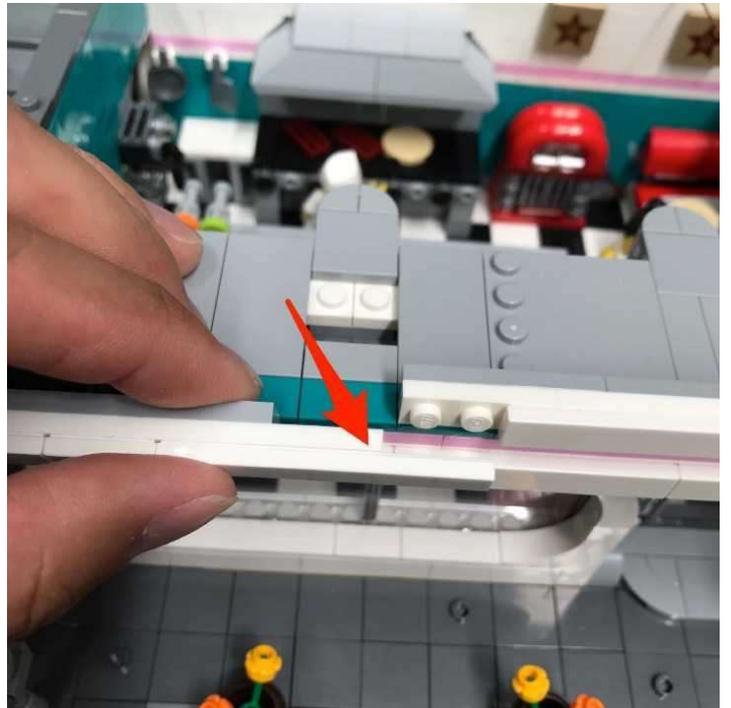
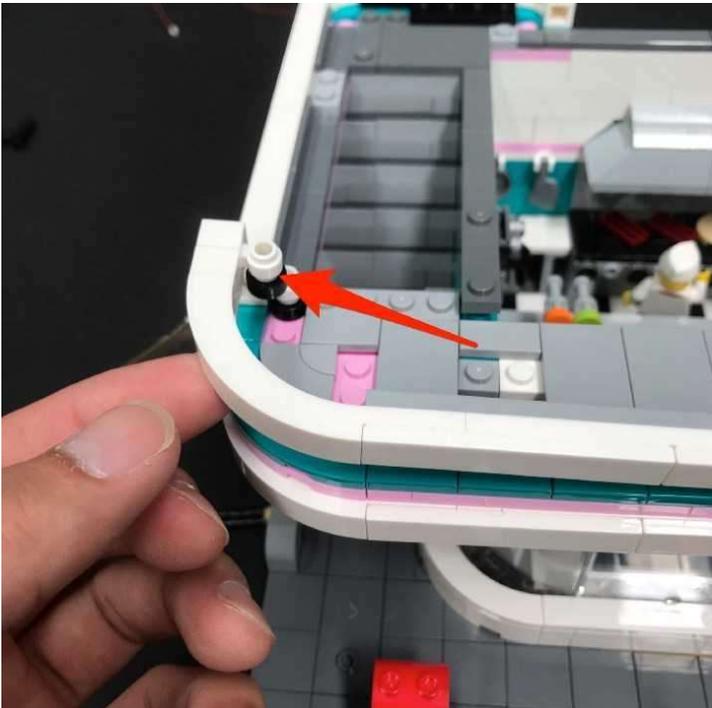


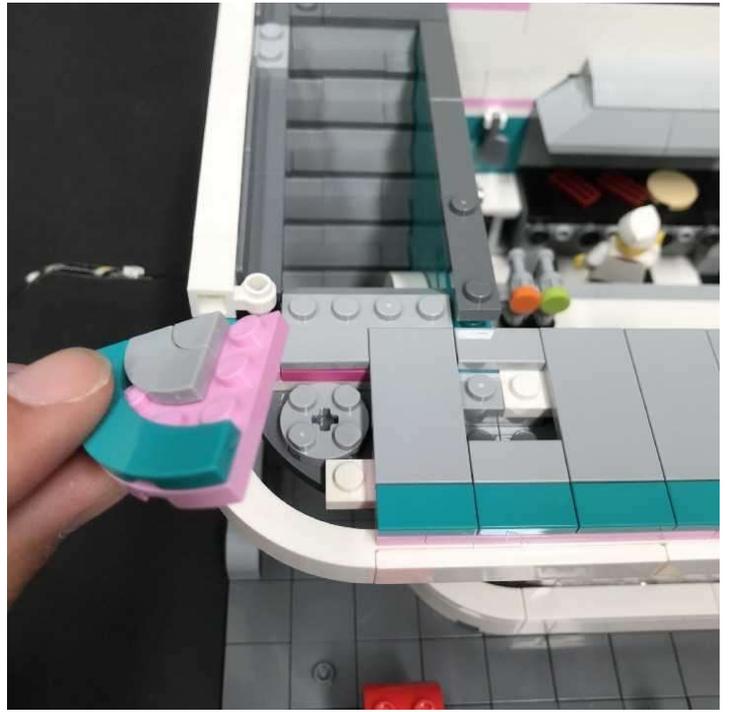
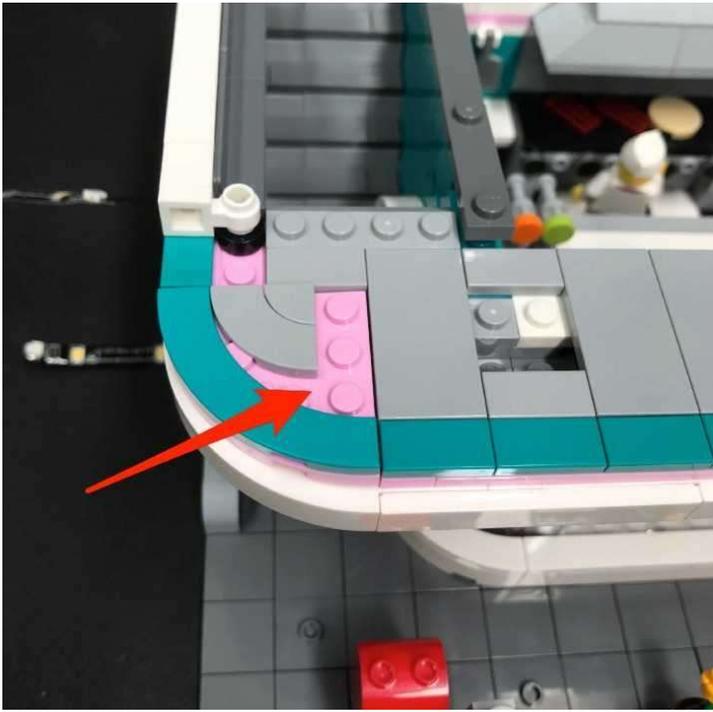
11.) Using the adhesive backings, stick the next two strip lights in the following positions along the eaves of the roof .



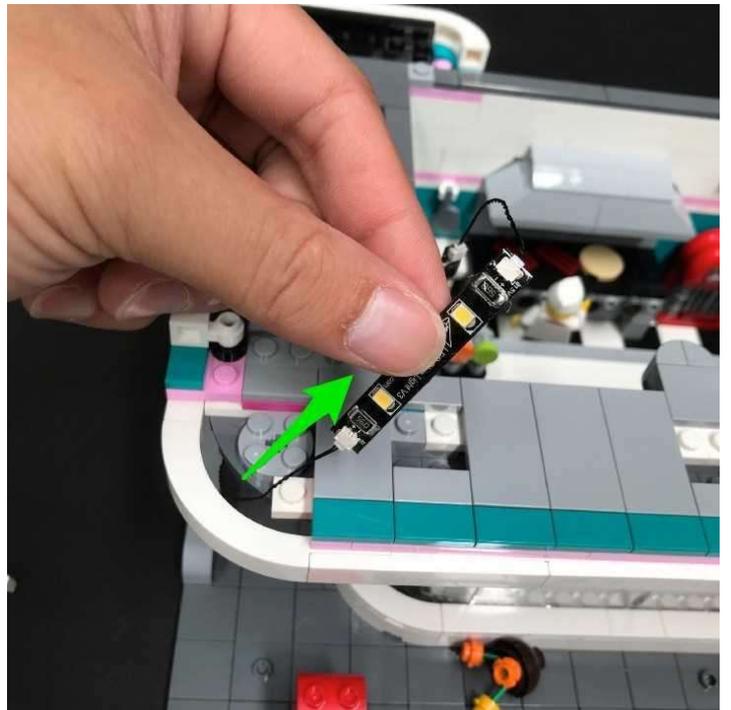


12.) We will now need to thread the remaining two strip lights up the left corner of the roof. First disconnect the top white section followed by the round corner section as per below:

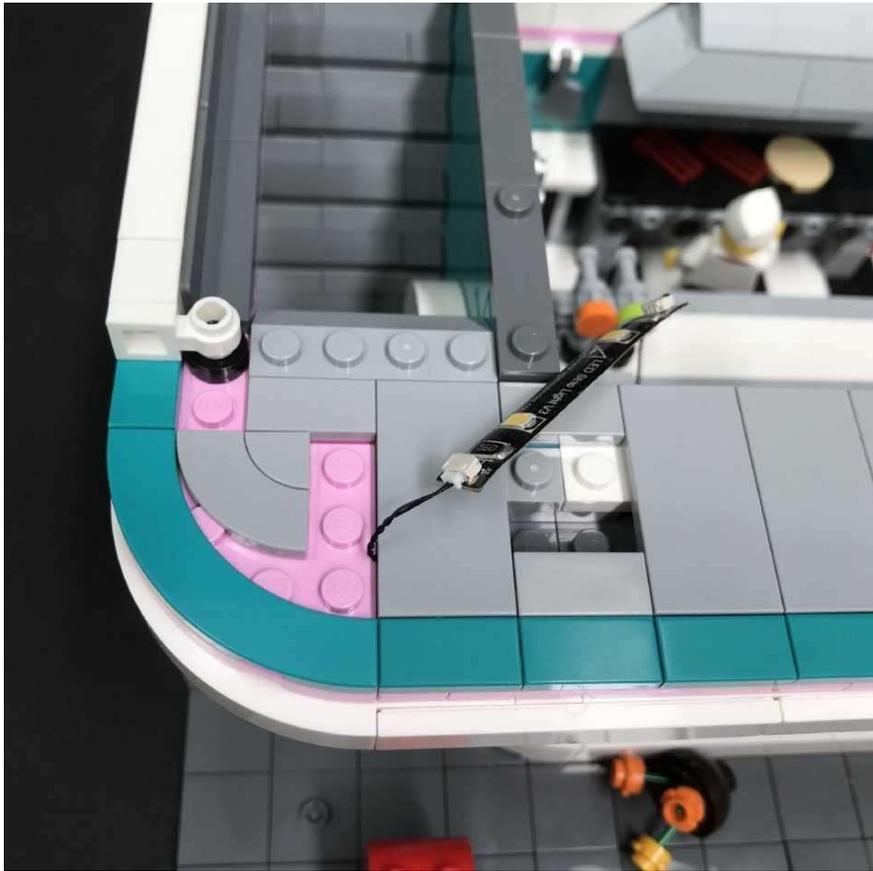




13.) Thread the two strip lights up through the space in the corner and then pull them all the way up from above.



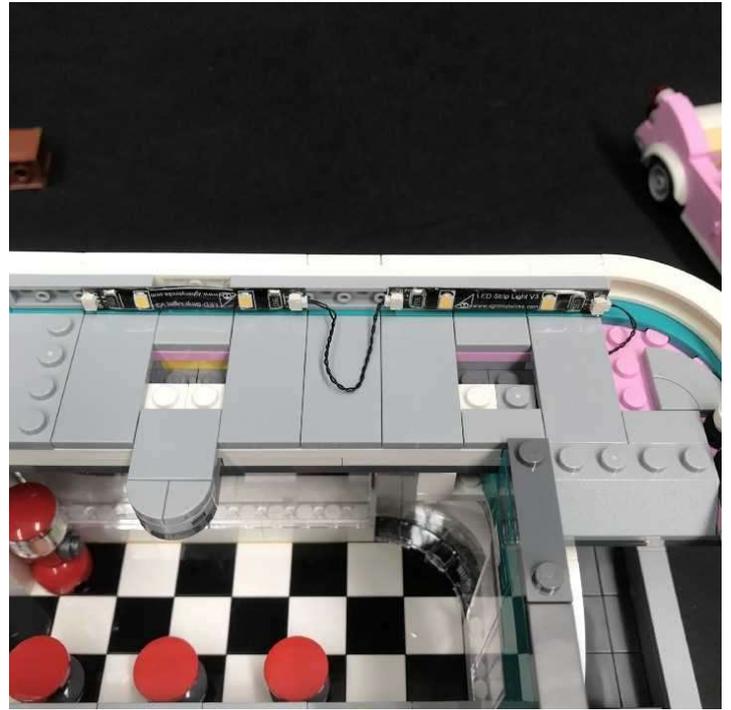
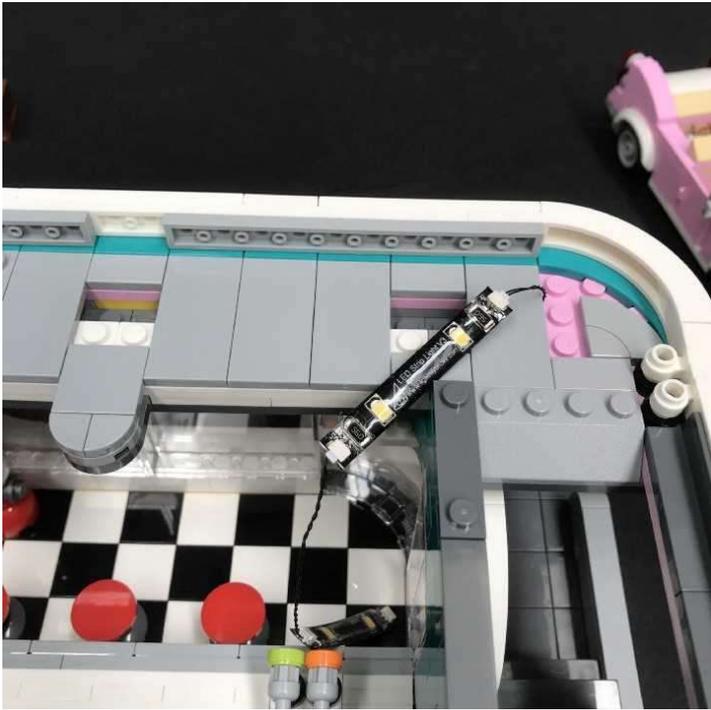
Carefully reconnect the round corner section ensuring the cable is laid on the right side as per below:



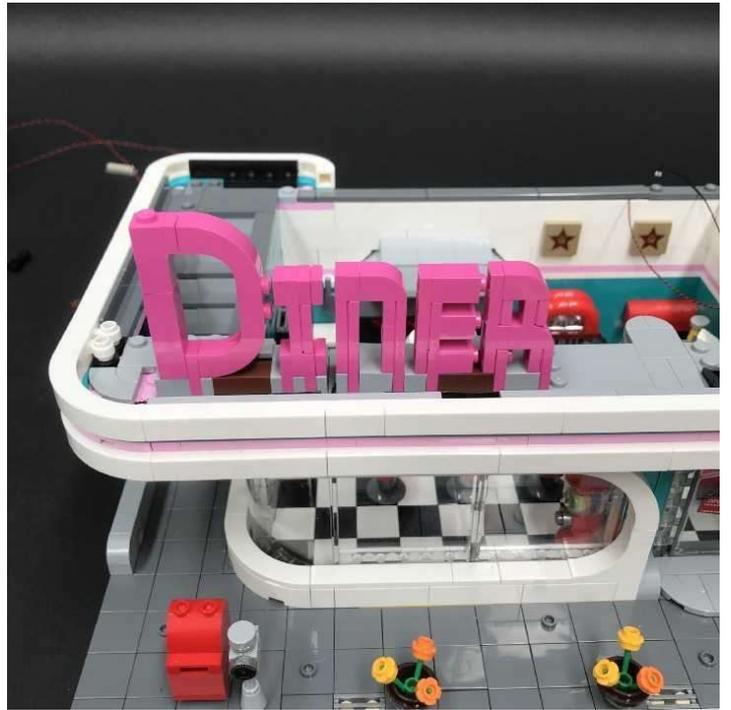
Reconnect the top white section.



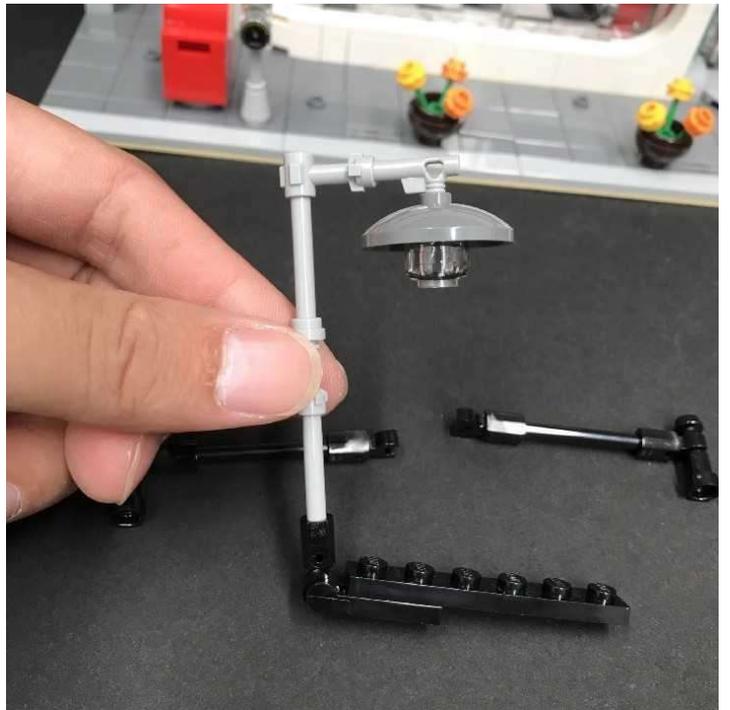
- 14.) Turn the building around and then using the adhesive backings, stick the two strip lights to the following positions. These will be used to shine on the newly positioned 'Diner' sign.



- 15.) Reconnect the two sections of the Diner sign and then turn the battery pack on to test and confirm the lights we have installed so far are working OK.



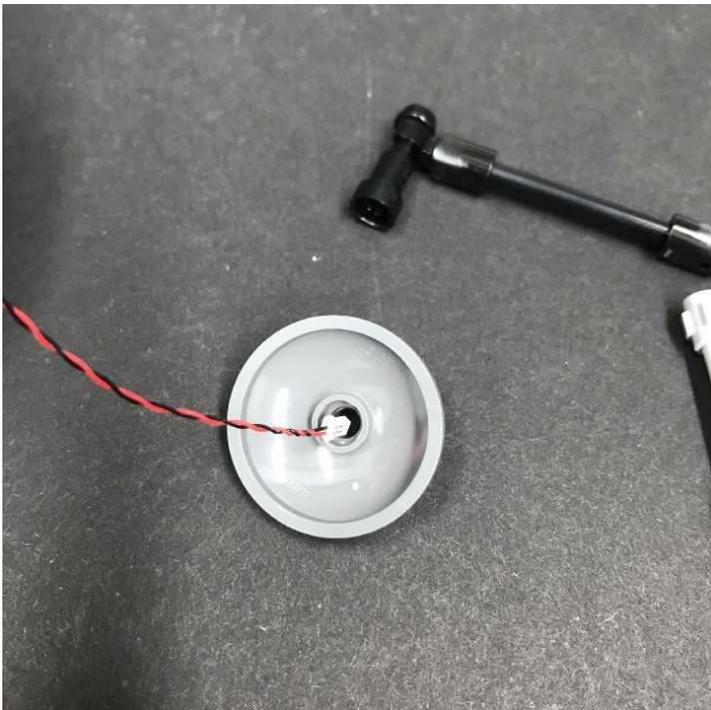
16.) We will now install a light to the lamp post on the left corner of thesecond oor. First disconnect the rails on each side, followed by the lamp post.



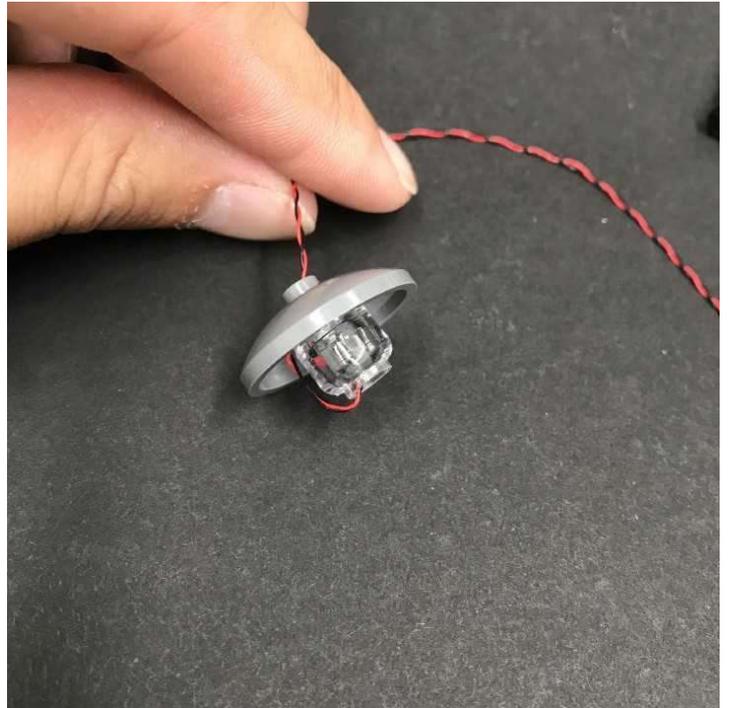
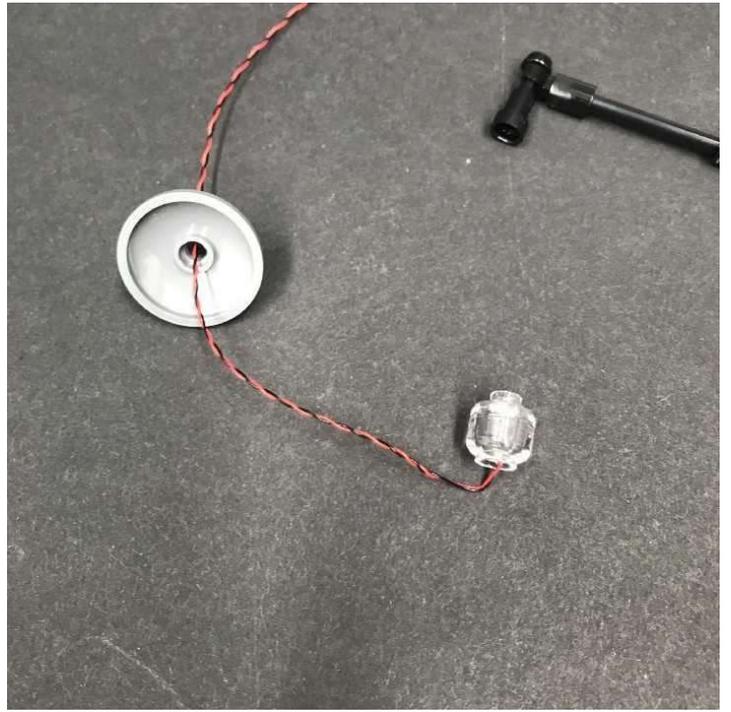
Disconnect the trans clear mini gure head as well as the dish above.



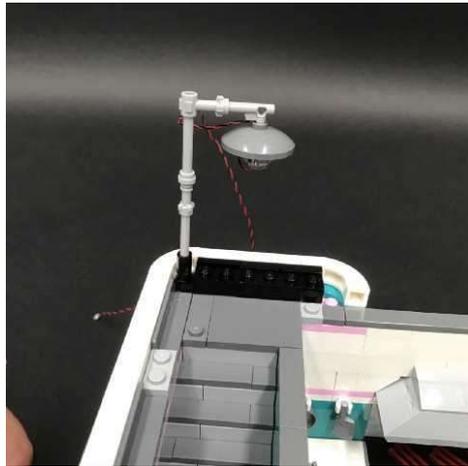
17.) Take a White 30cm Bit Light and then thread the connector side through the bottom of the dish piece.



Place the other end of the Bit Light inside the bottom of the trans clear mini gure head and then from the top of the dish, pull the cable all the way up and then reconnect the two together. This should secure the bit light in place and look similar to below:



18.) Reconnect the dish to the lamp post and then reconnect the lamppost and rails back to the second oor.

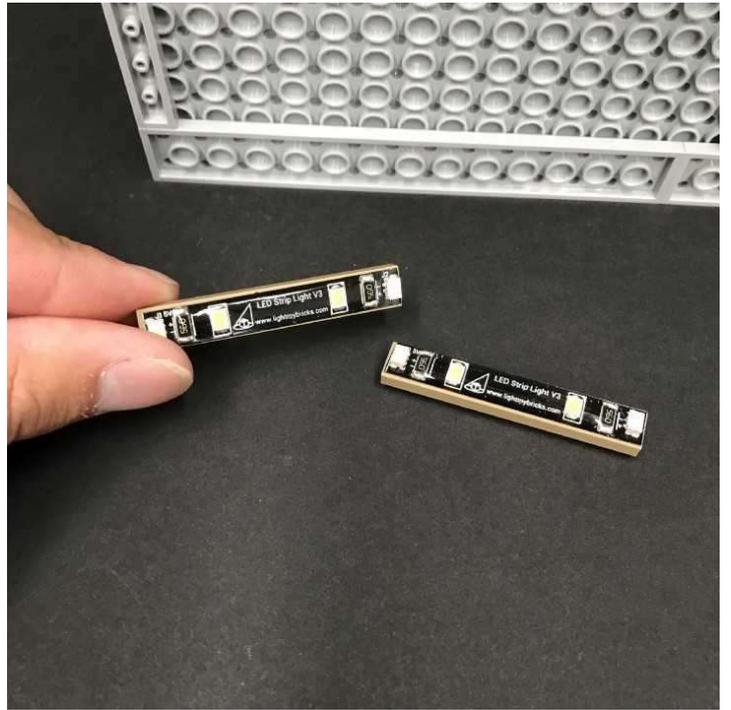
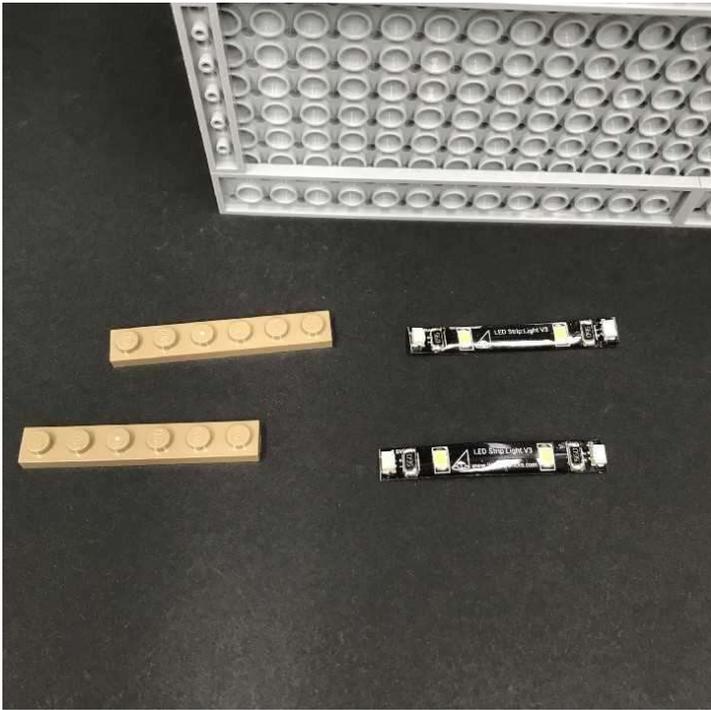


We will leave this section for now as we will connect the lamp post cable to the top oor later.

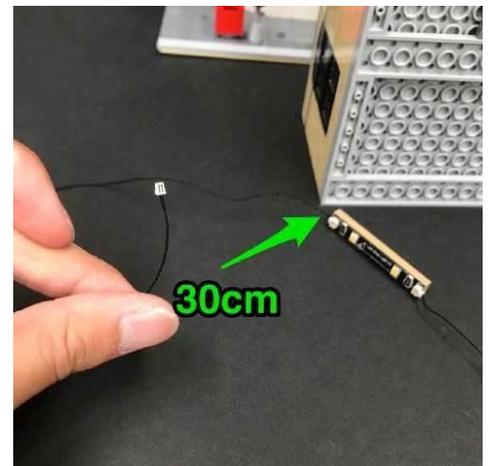
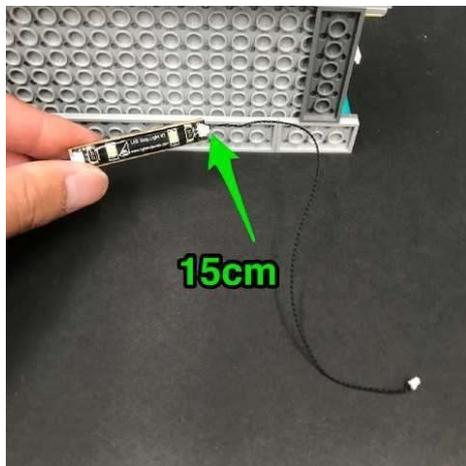
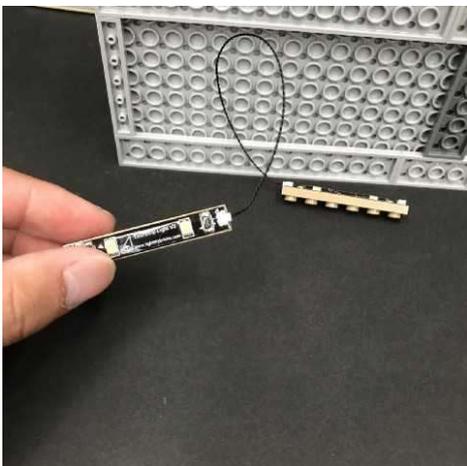
19.) Take the entire second oor and the place it on it's side as perbelow:



Take 2x White Strip Lights and then stick them to 2x provided LEGO Plates 1x6.



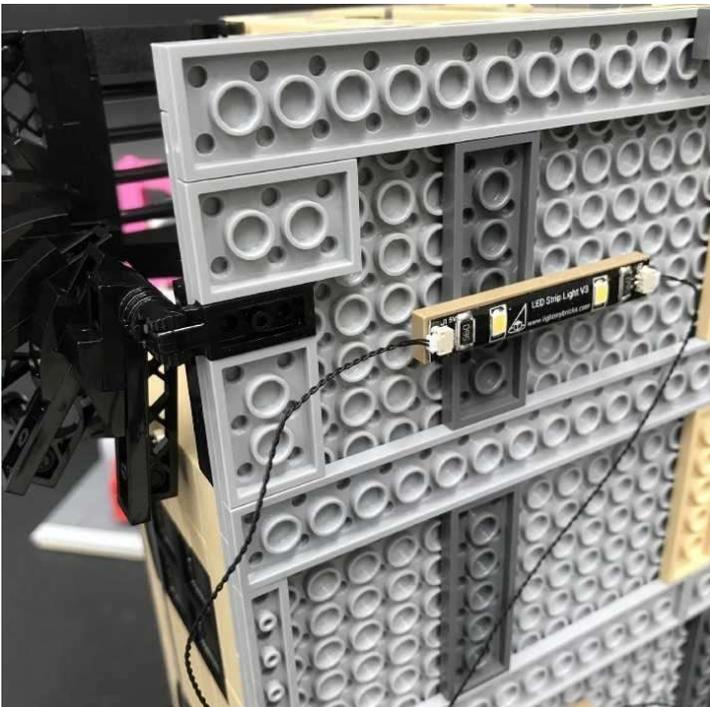
Take a 15cm Connecting Cable and connect the two strip lights together. Take another 15cm Connecting Cable and connect it to other end of one of the strip lights and then connect a 30cm Connecting Cable to the end of the other strip light.



20.) Mount the two Strip Lights underneath the second door in the following positions. Ensure the strip light with the 30cm connecting cable is positioned on top and the strip light with 15cm connecting cable is positioned below. Also ensure the cables are facing the exact way as below.



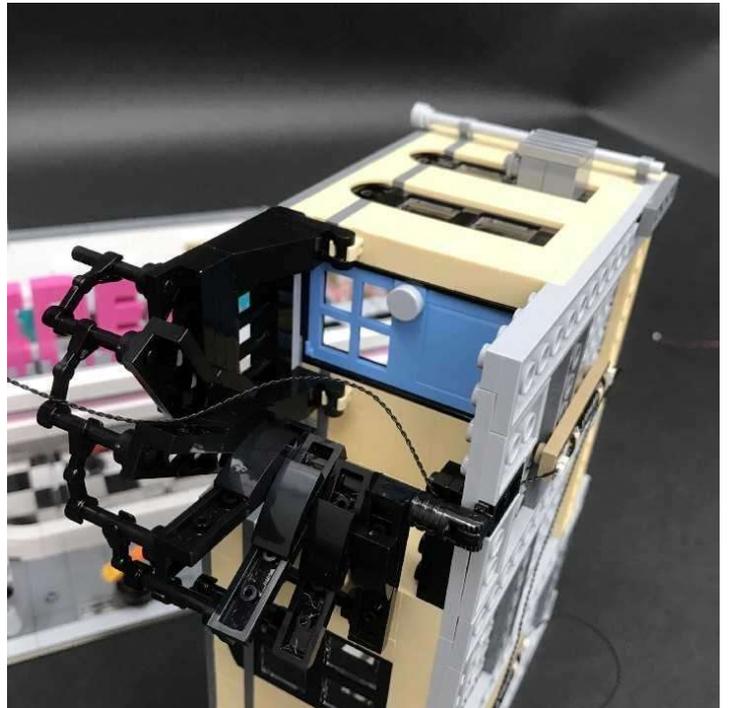
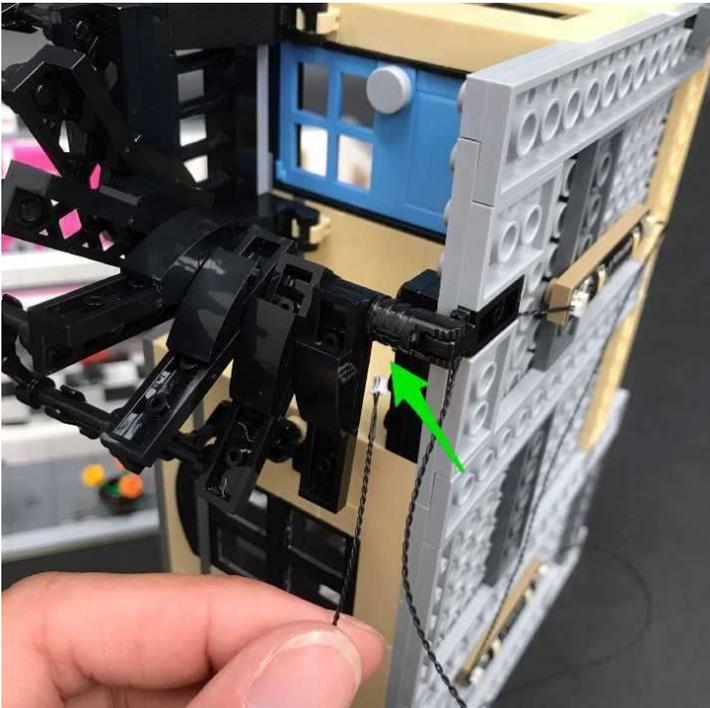
Secure the 30cm Connecting cable by laying it underneath the 2x3 plate.



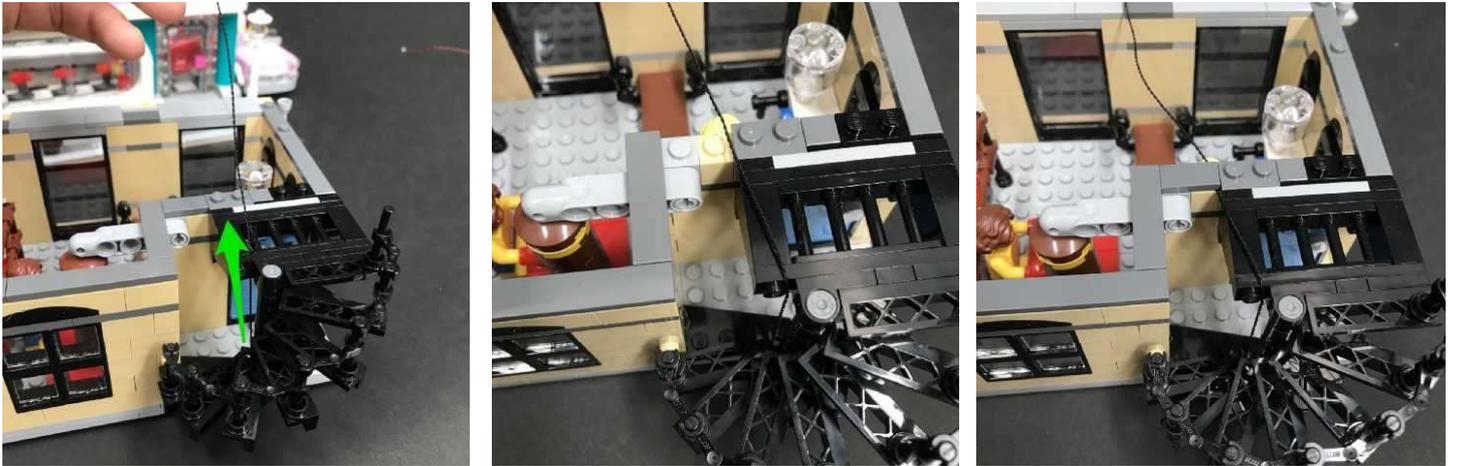
Secure the 15cm Connecting Cable that connects the two strip lights underneath the 2x6 plate. Securing these connecting cables will also prevent them from dangling down and being seen from the outside looking in.



21.) Thread the other end of the 30cm connecting cable through the space in between the base and rst step of the staircase.



Pull the cable all the way up from above the second oor and then lay it across toward the inside of the building. Secure it in place by laying it under the 1x2 tile on the top of the second oor.



22.) Take the entire second oor above the first oor and then connect the other end of the 15cm connecting cable from the strip light underneath to a spare port on the expansion board below.



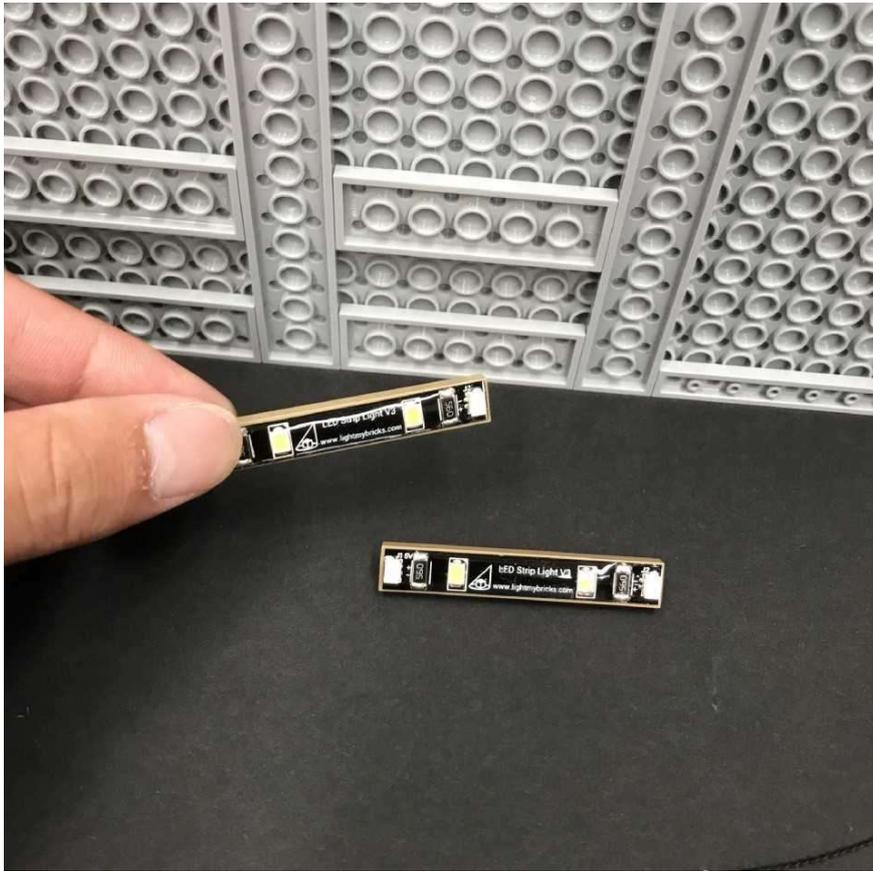
Securely connect the second floor in place and then turn on the battery pack to test all the lights we have installed so far are working OK.



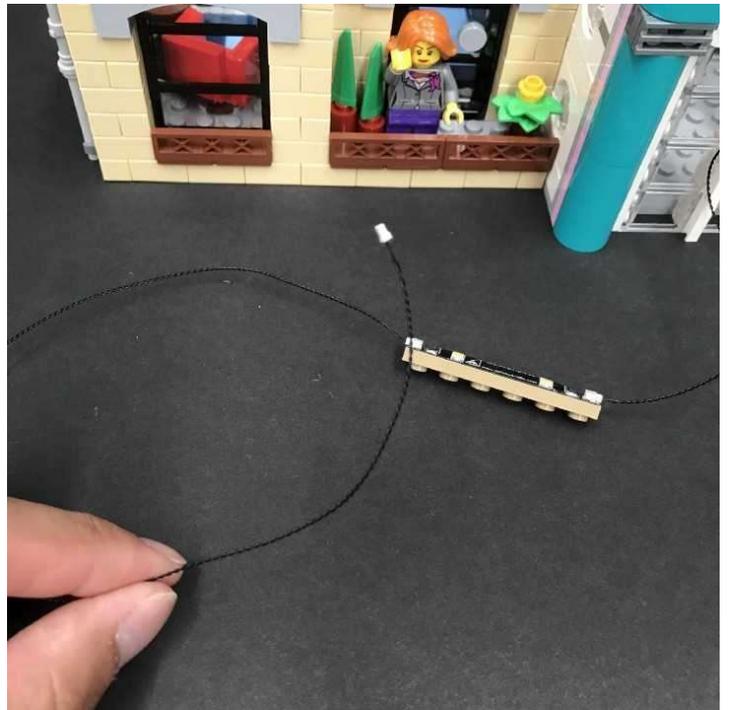
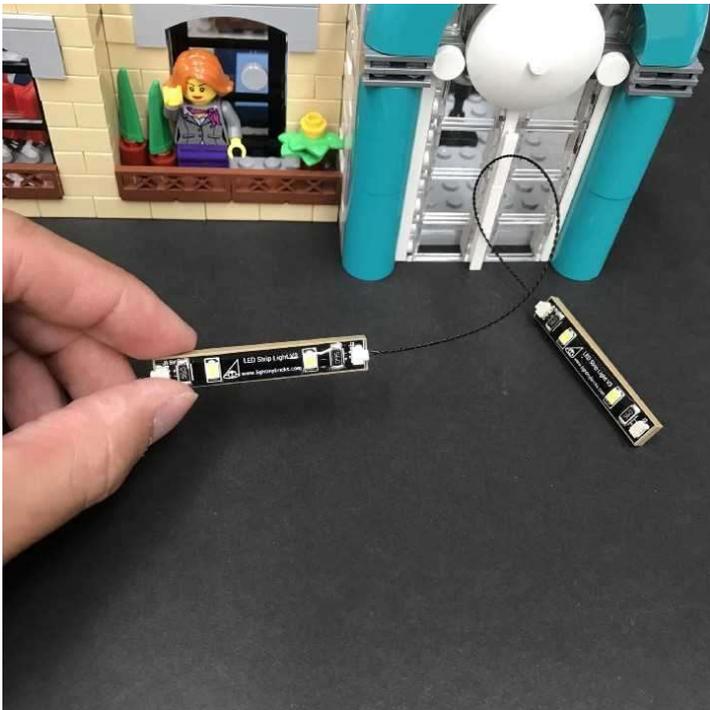
23.) Take the entire third door and then place it on it's back so we can access underneath.



Take another 2x White Strip Lights and then stick them to another 2x LEGO Plates 1x6.



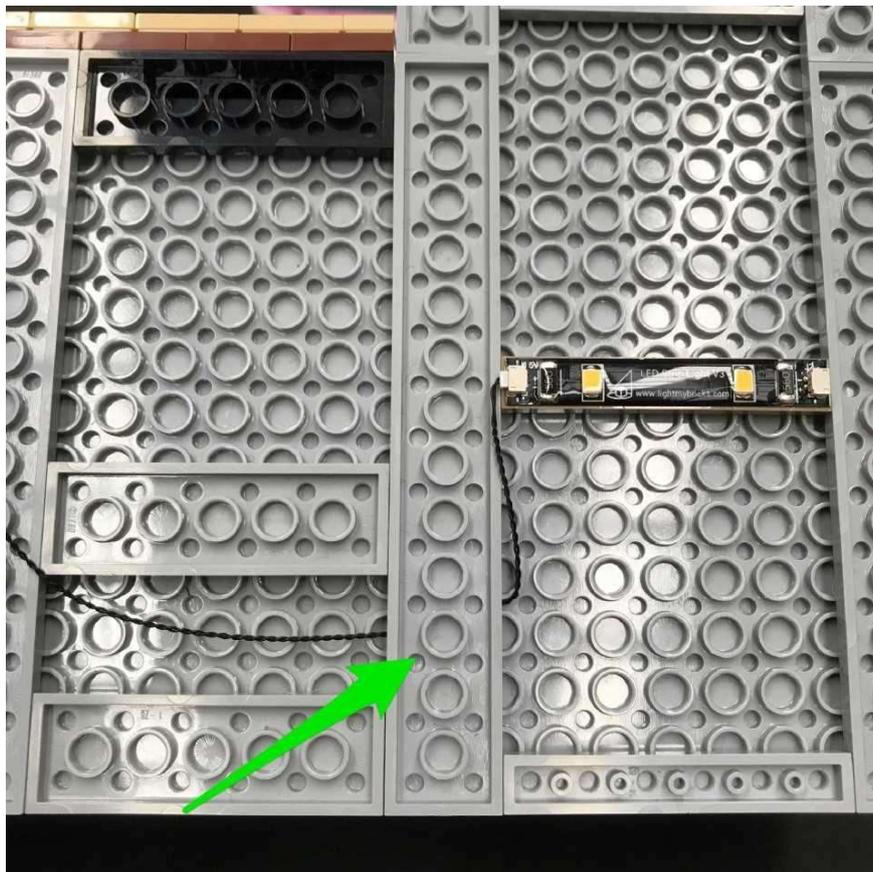
Connect the two strip lights together using a 15cm Connecting Cable and then connect another 30cm Connecting Cable to the end of one of the strip lights.



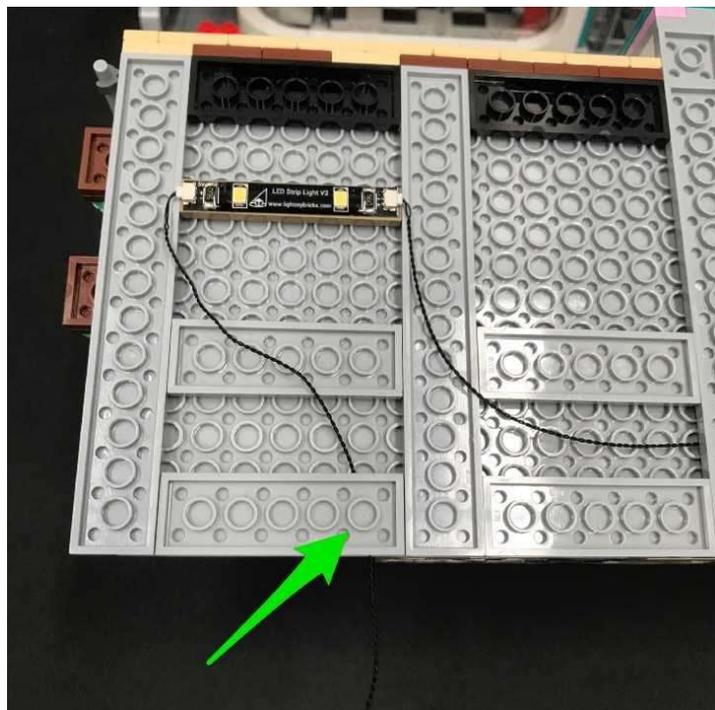
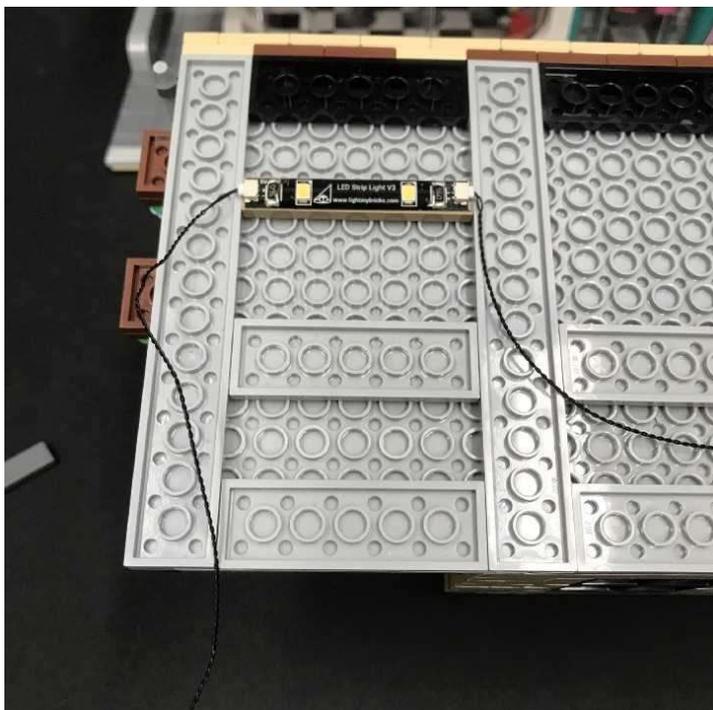
Mount the two strip lights underneath the 3rd oor in the below position ensuring the strip light with the 30cm connecting cable is positioned on the left.



Secure the 15cm connecting cable which connects the two strip lights together underneath the 2x14 plate:

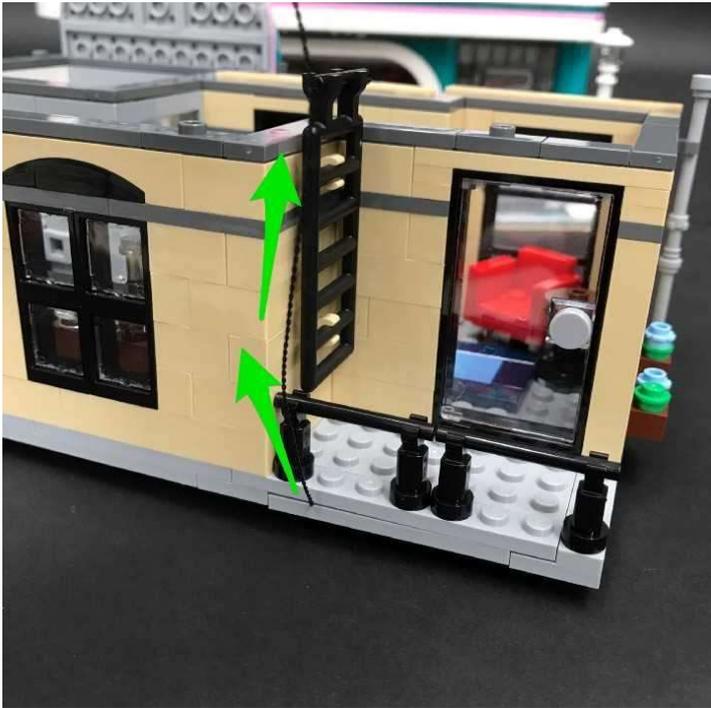


Take the 30cm Connecting cable and then secure it underneath the 2x6 plate at the bottom as per below:

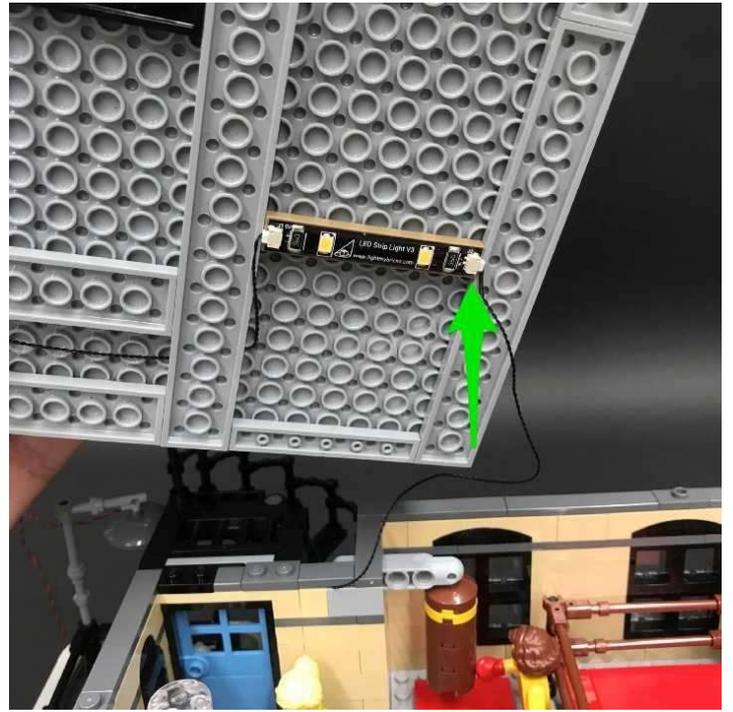


24.) Turn the third oor over to the top side and then pull the other end of the 30cm connecting cable up from the back of the third oor. Thread the

cable through the space in between the rail and then up the ladder. Secure the cable in place by laying underneath the 1x4 tile on the top of the oor.



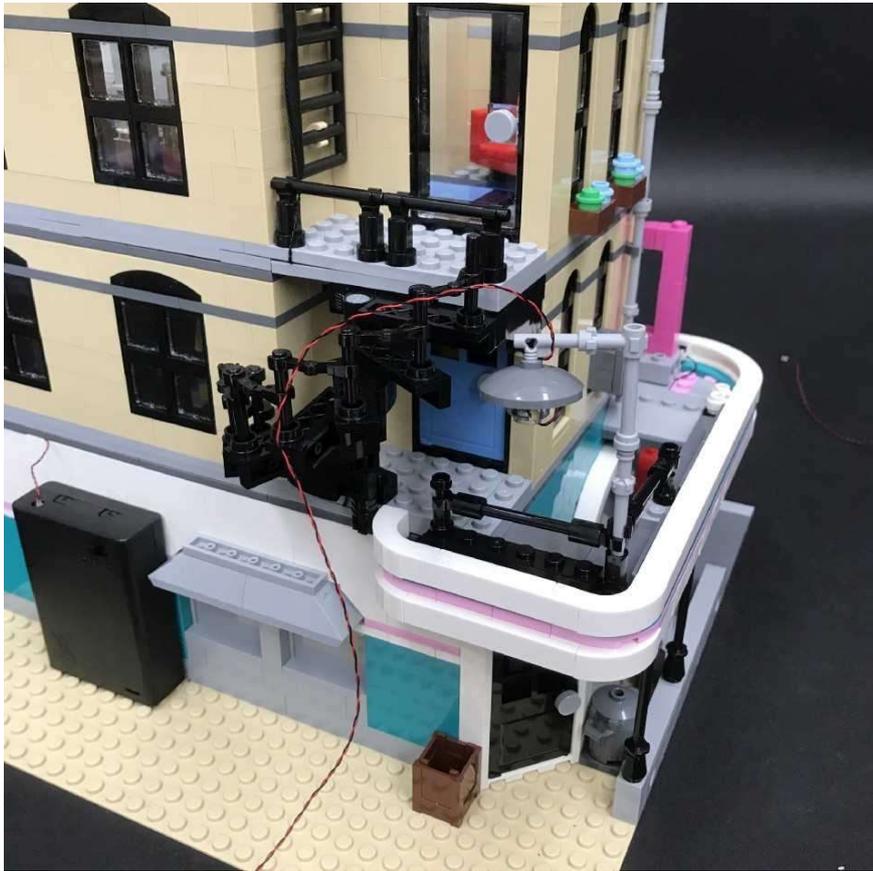
25.) Take the entire third oor above the second oor and then locate the other end of the 30cm connecting cable from underneath (second oor). Connect this cable to the spare port on the right strip light underneath the third oor.



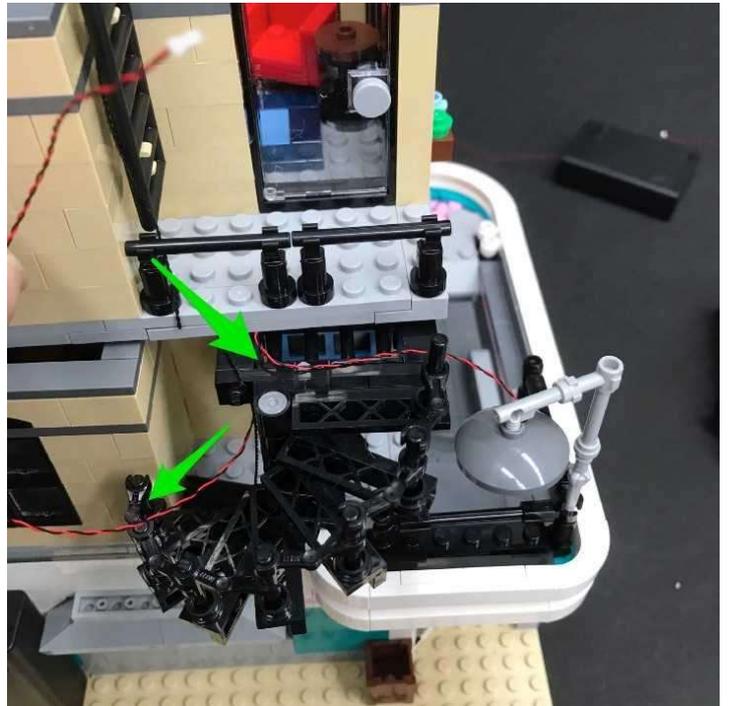
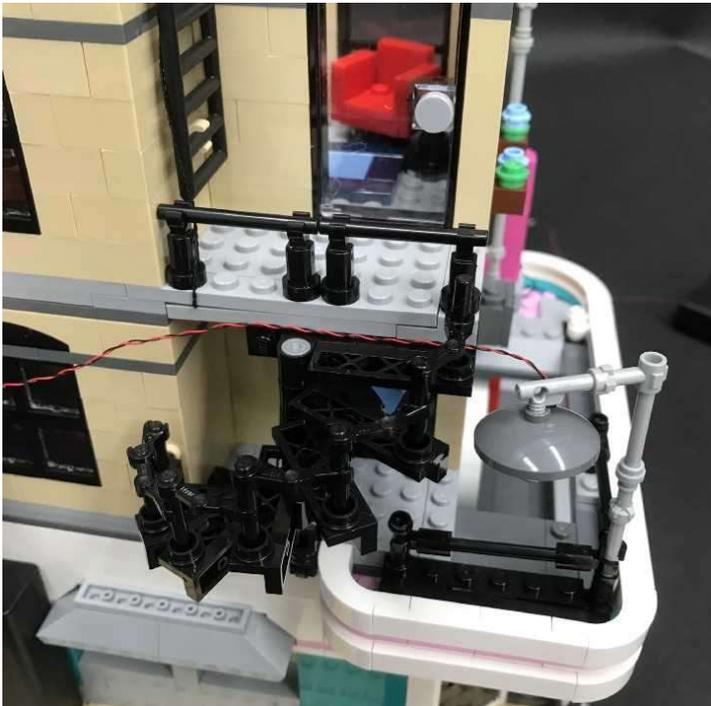
Securely connect the third oor to the second oor and then turn on the battery pack to con rm all the lights are working OK.



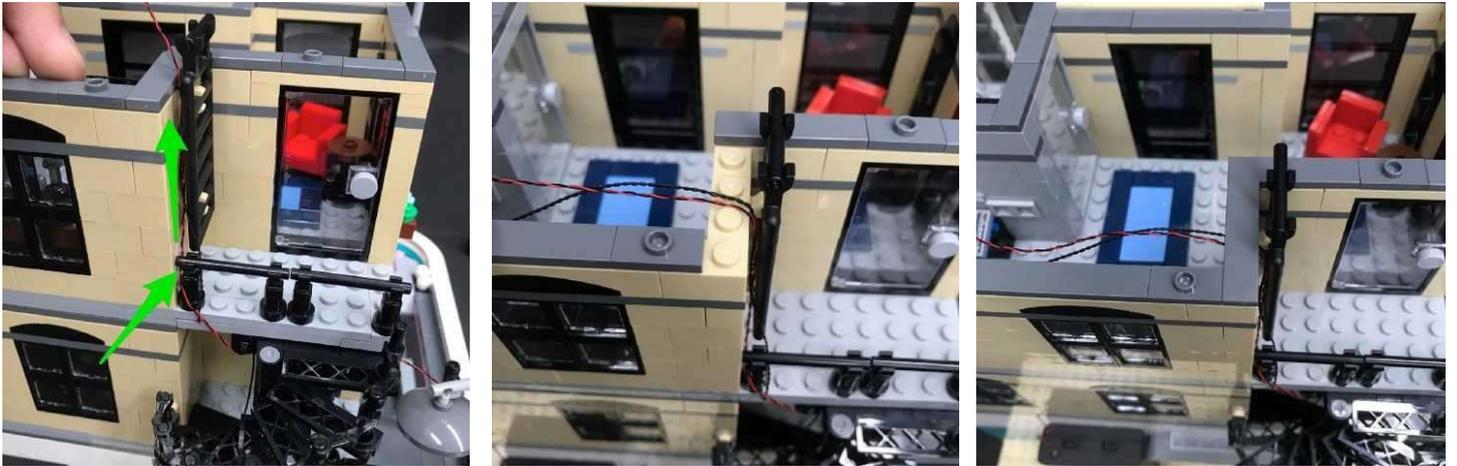
26.) Turn the building around to the back and then locate the Bit Lightcable from the lamp post on the second oor.



Pull the cable across toward the building and then thread it through the top of the stair case.



Pull the cable up the the side of the building and then thread it through the top of the ladder. Pull the cable over the wall and then secure it underneath the 1x4 tile on the top of the third oor.



27.) We will now install a strip light to shine down to the top of the arcof the face of the building. Remove the two pieces which make up the arc.



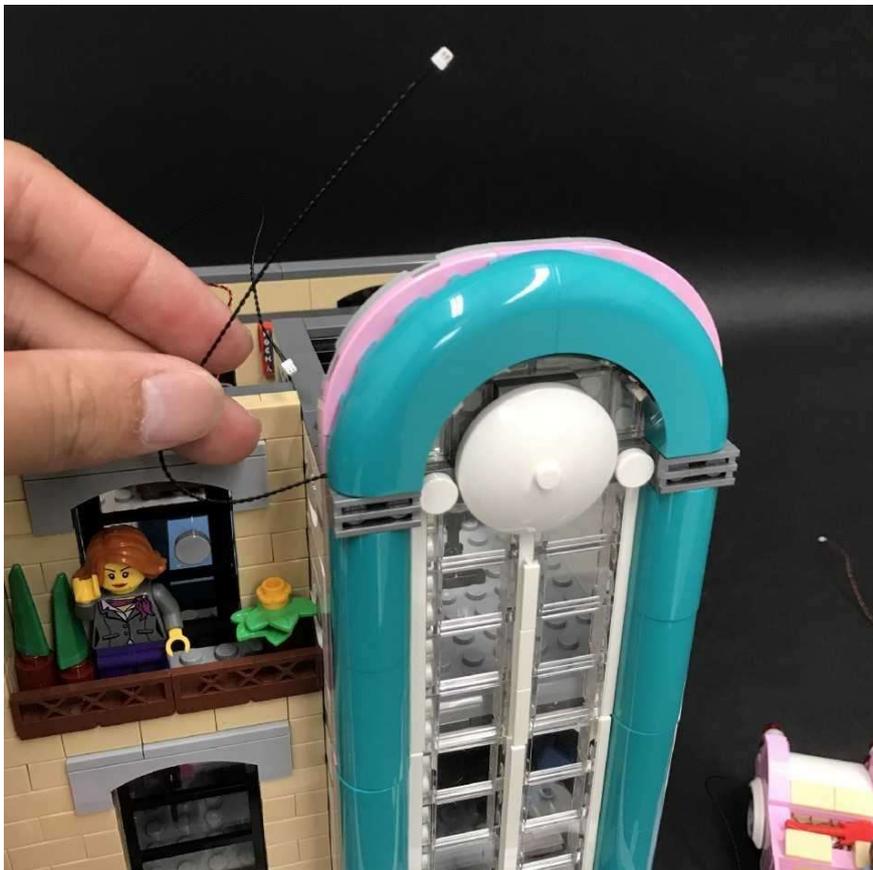
Take a White Strip Light and then connect a 15cm Connecting cable to the left port.

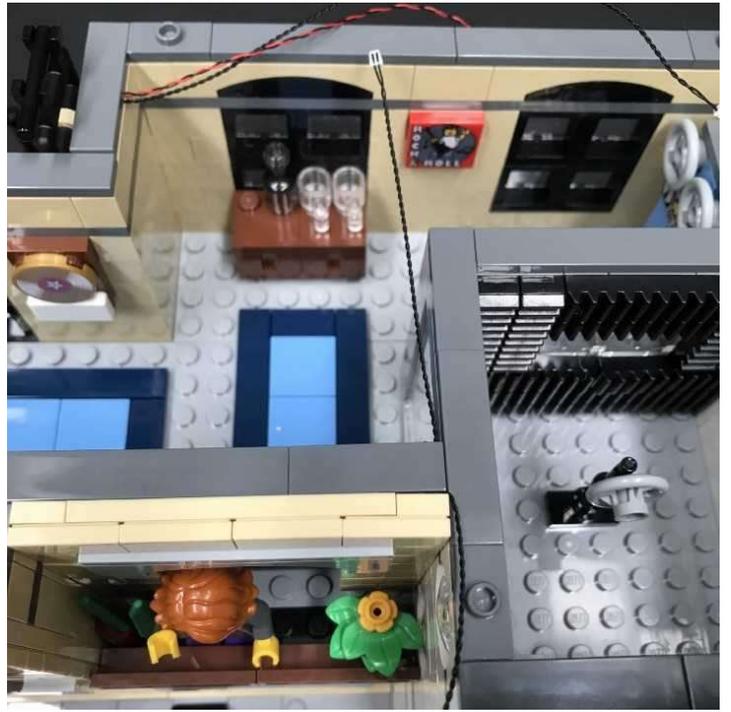
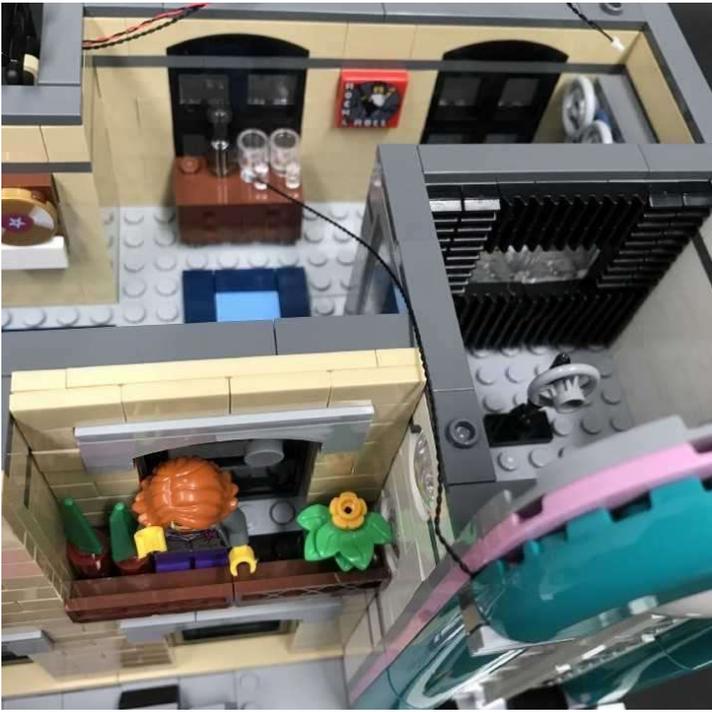


Place the two arc pieces together and then using the adhesive backing, stick the strip light underneath ensuring the strip light is stuck directly on the centre of the two pieces.

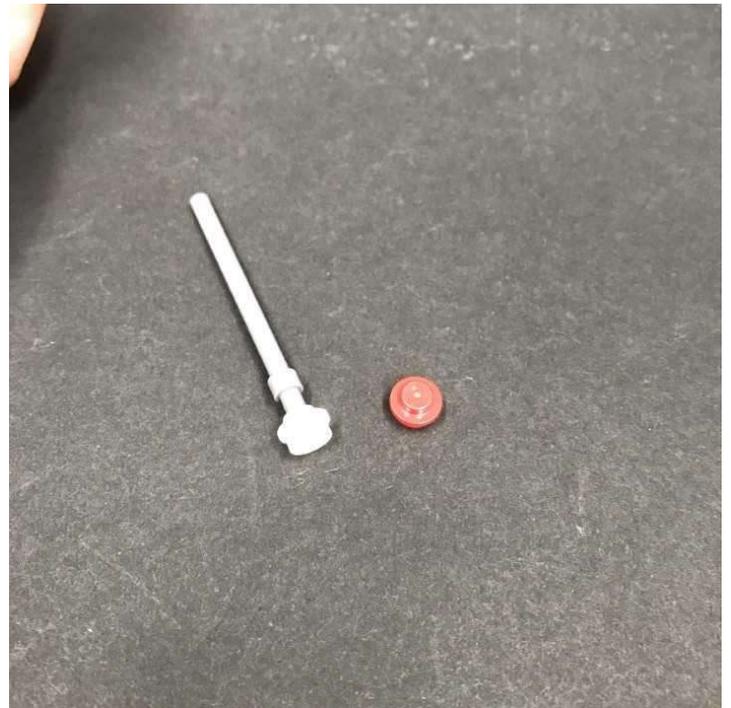
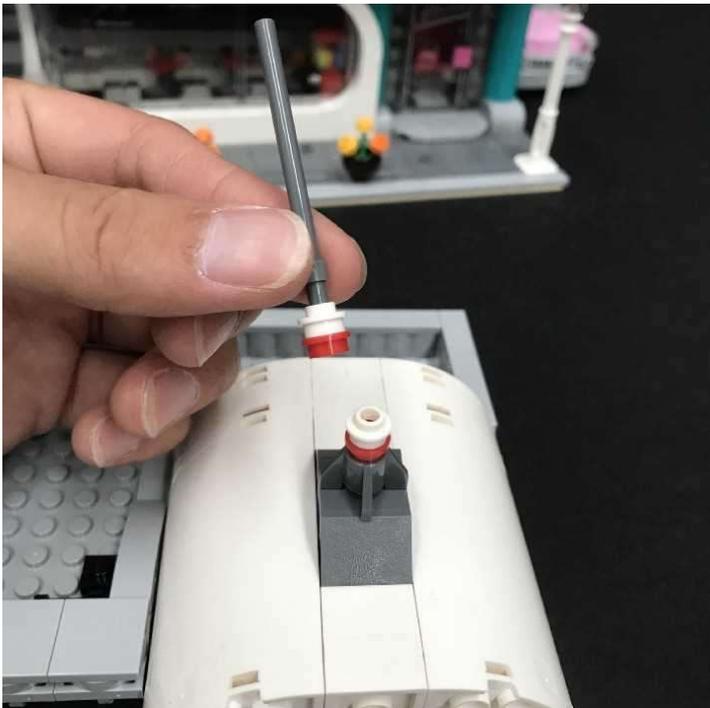
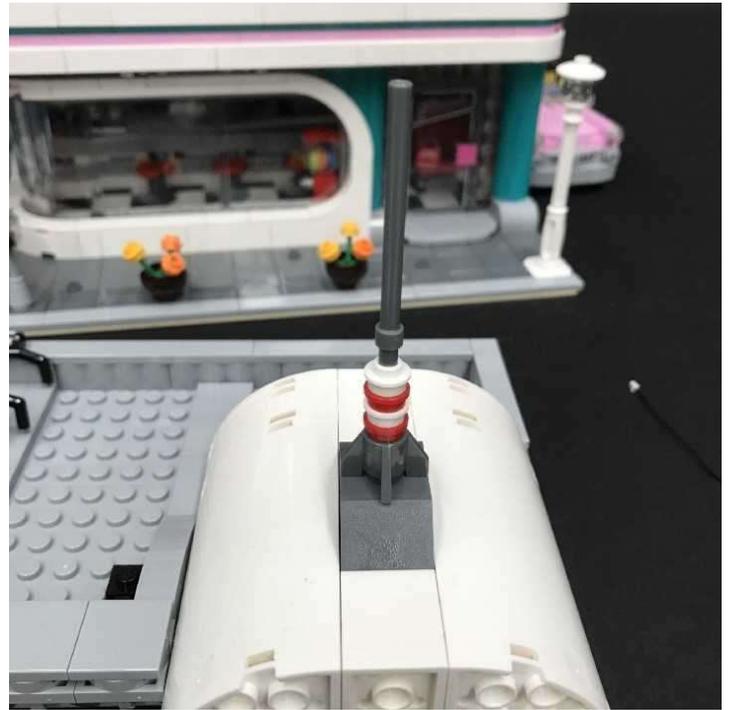


28.) Reconnect the two arc pieces to the face of the building and then pull the 15cm connecting cable across and then toward the inside of the building. Secure the cable underneath the 1x3 tile on the top of the third door.

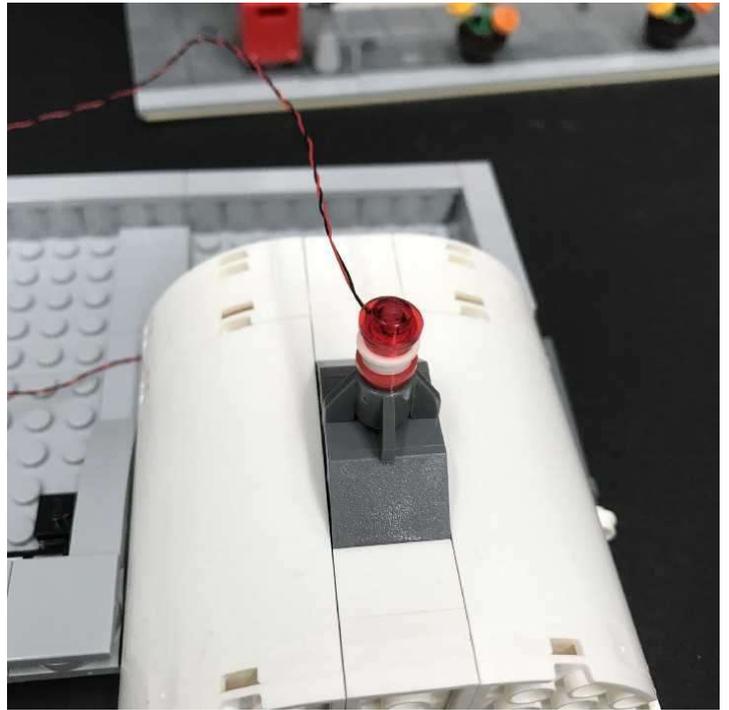




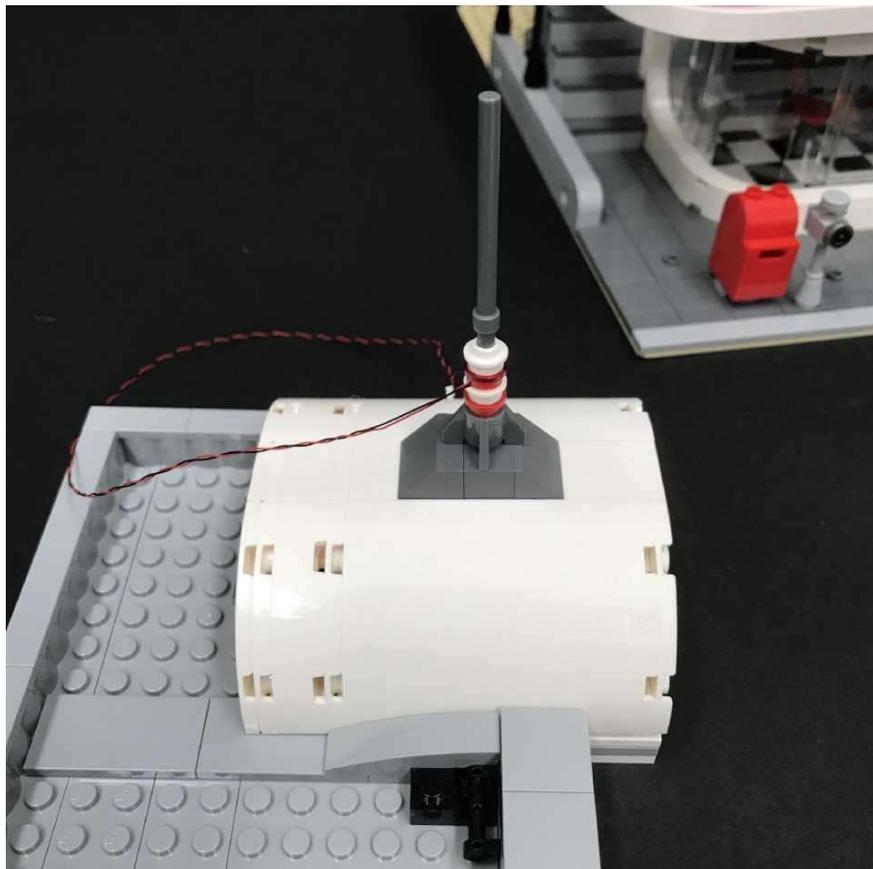
29.) Take the roof of the building and then disconnect the antenna section at the top red round 1x1 plate. Remove the red round plate from the bottom.



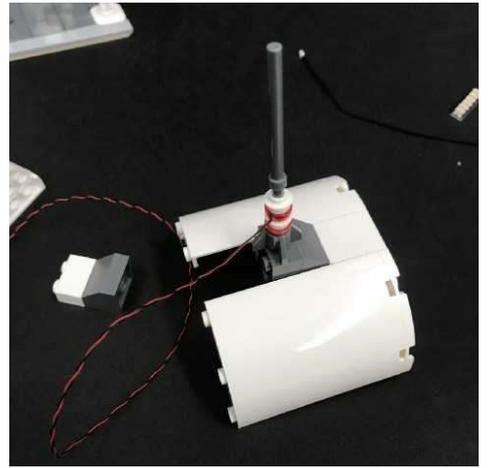
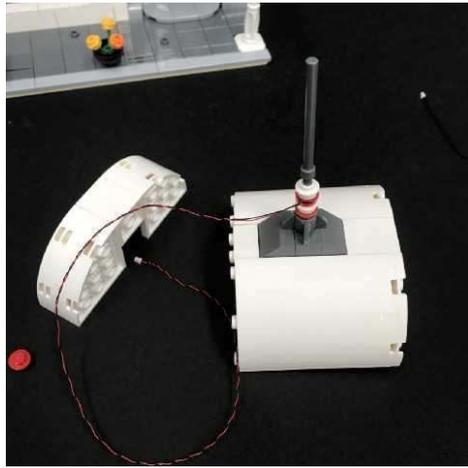
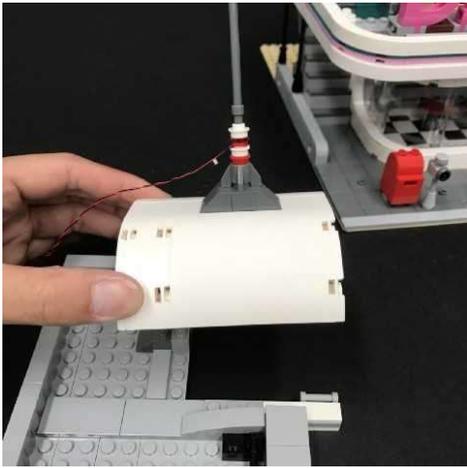
Take the remaining Flashing White 30cm Bit Light and place it on top of the white round stud on the roof ensuring the cable is facing toward the back. Secure the Bit Light in place by connecting a provided Trans Red round plate in lieu of the original red round plate.



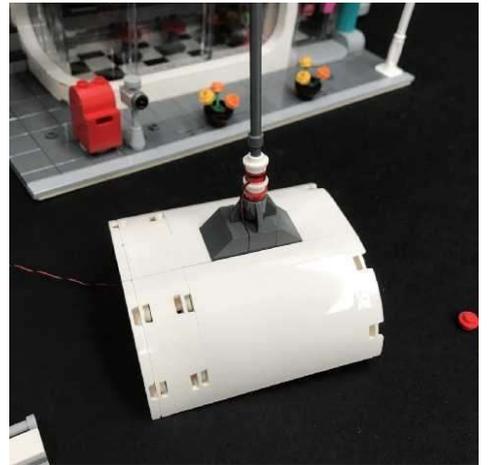
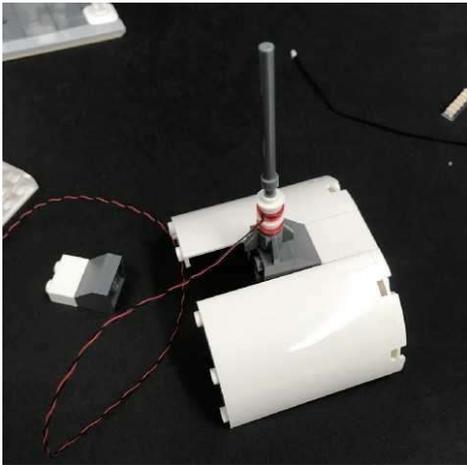
Reconnect the rest of the antenna section.



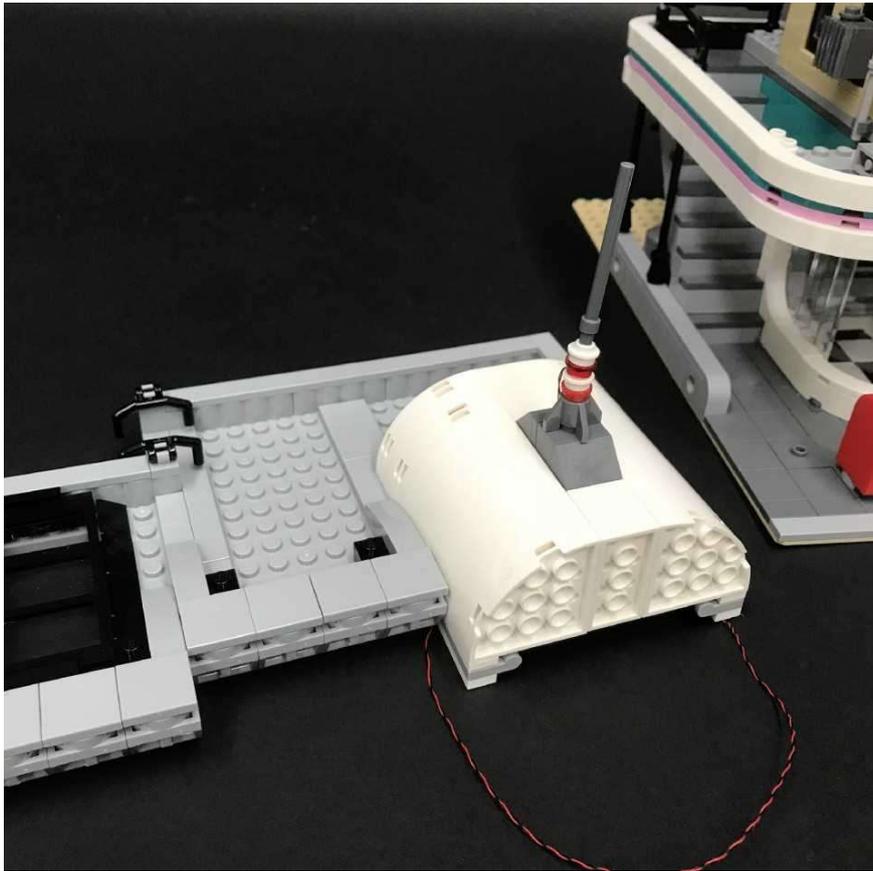
30.) Disconnect the main white roof section and then disconnect the back sections as per below:



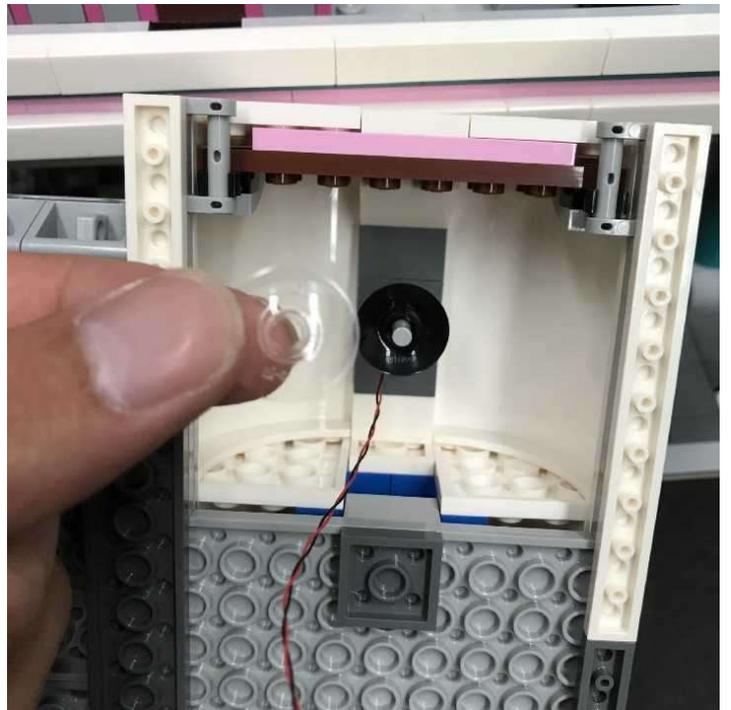
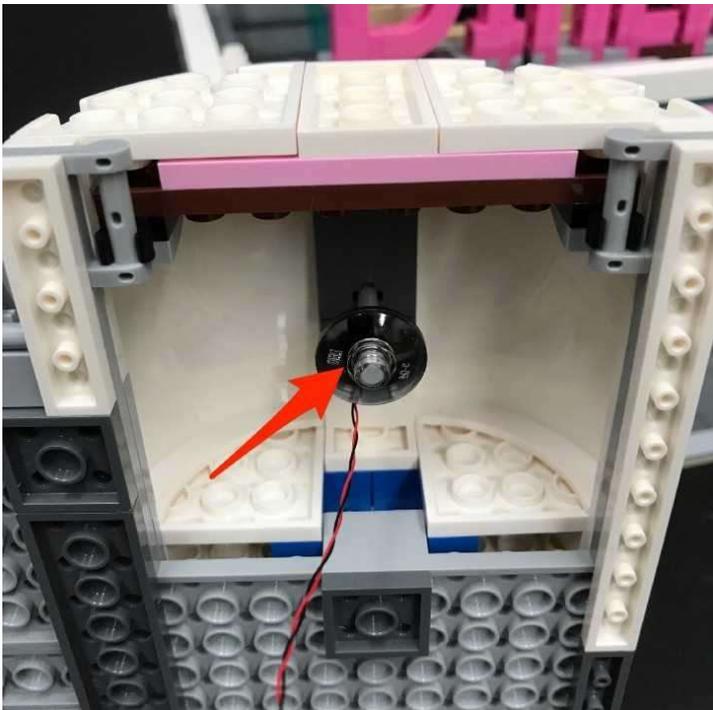
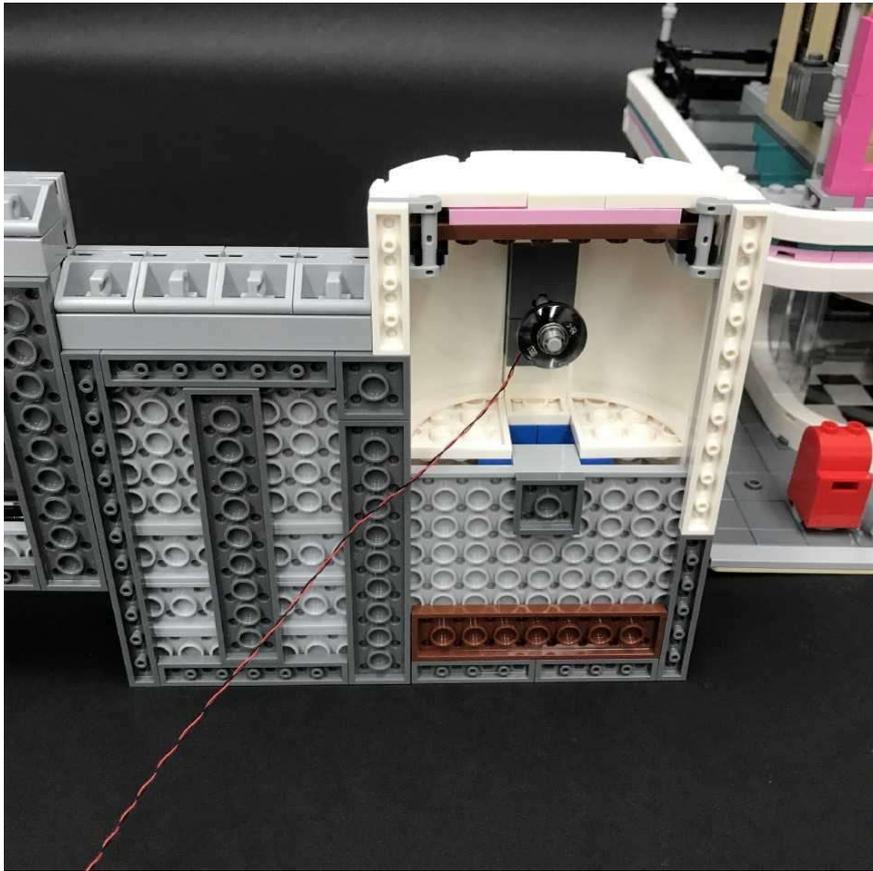
Lay the cable down in between studs and then reconnect the middle section over the top of the cable (ensuring the cable is laid in between studs).
Reconnect the back section.

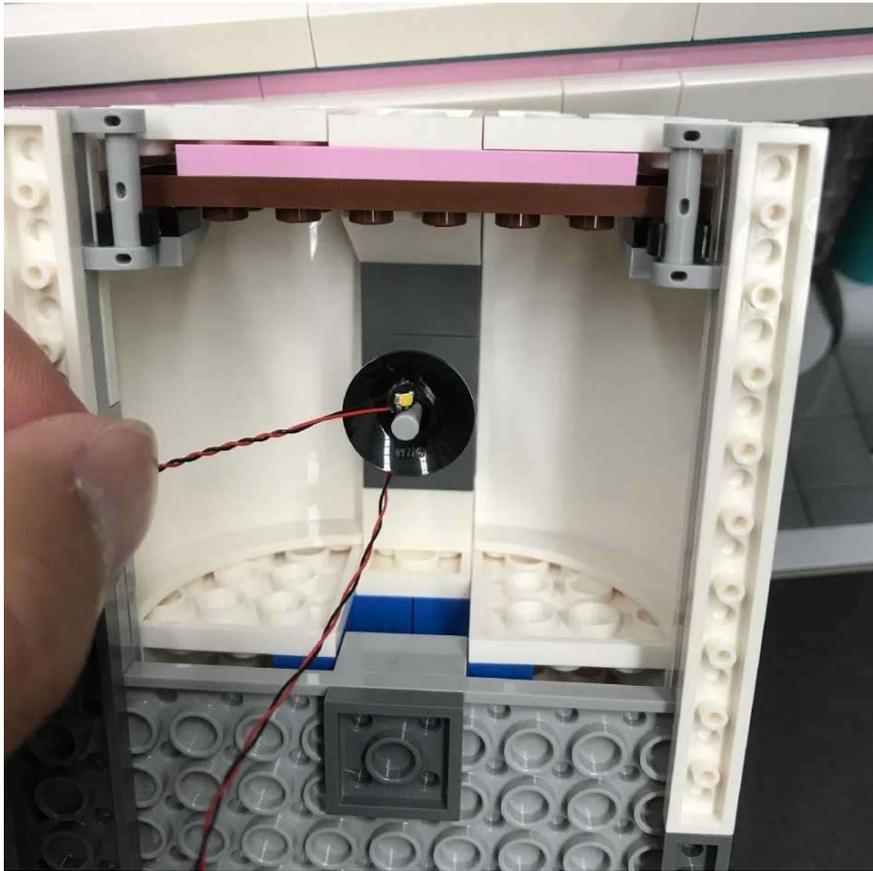


Reconnect the white roof section back to the rest of the roof.

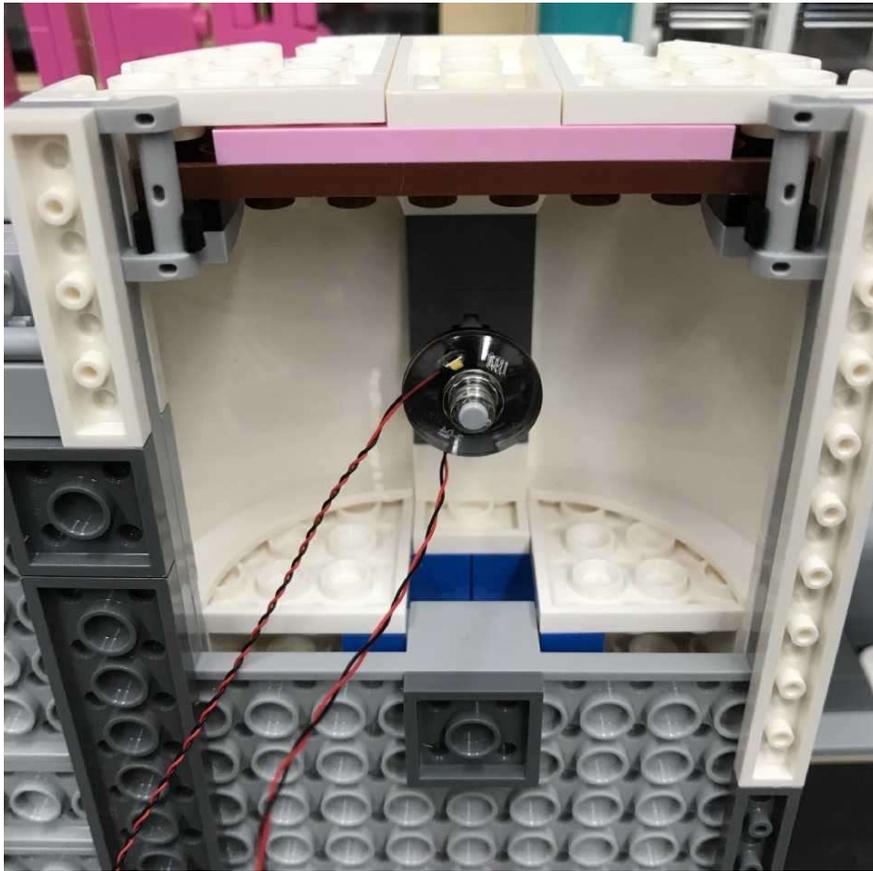


31.) Place the roof on its back so we can access the inside. We will be installing a Bit Light to light the recording studio. First disconnect the trans clear dish and then take the remaining White 15cm Bit Light and place it (facing down) at the top of the black dish.

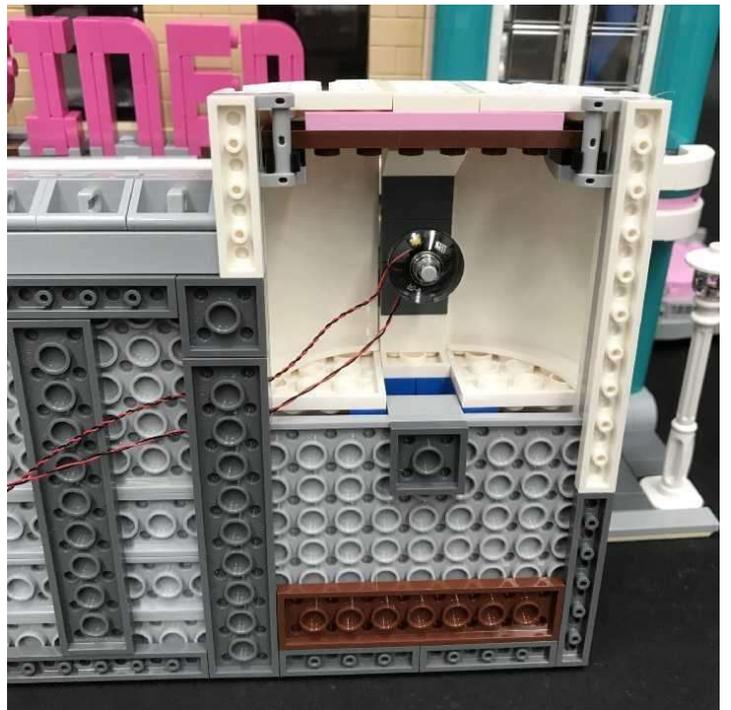
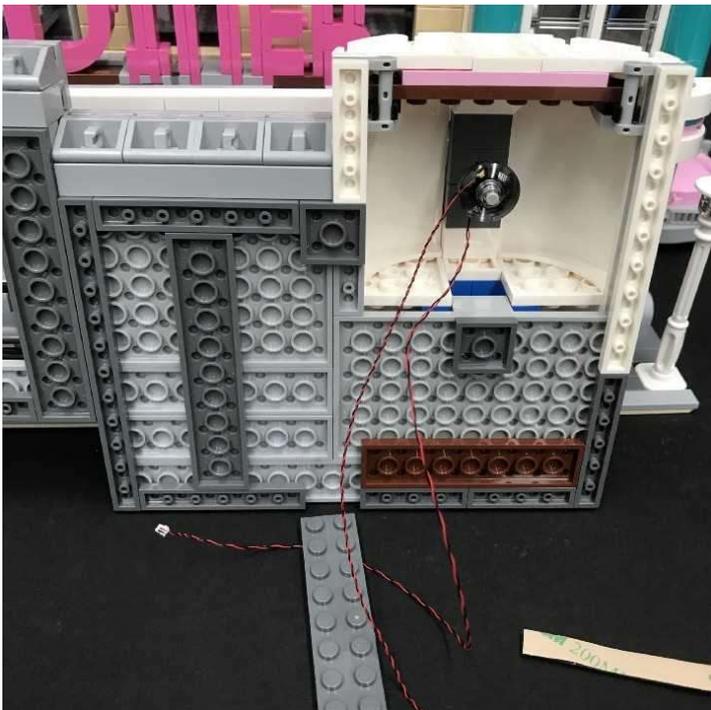




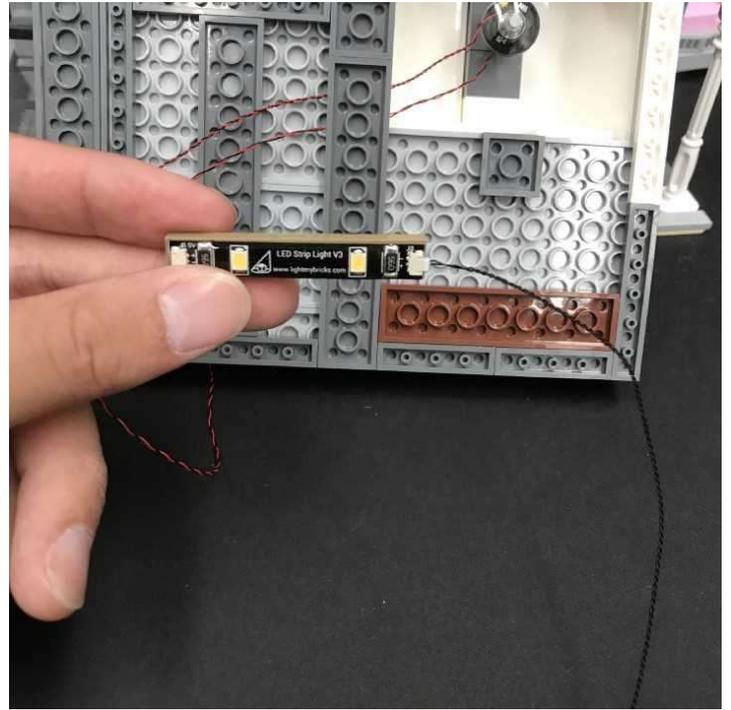
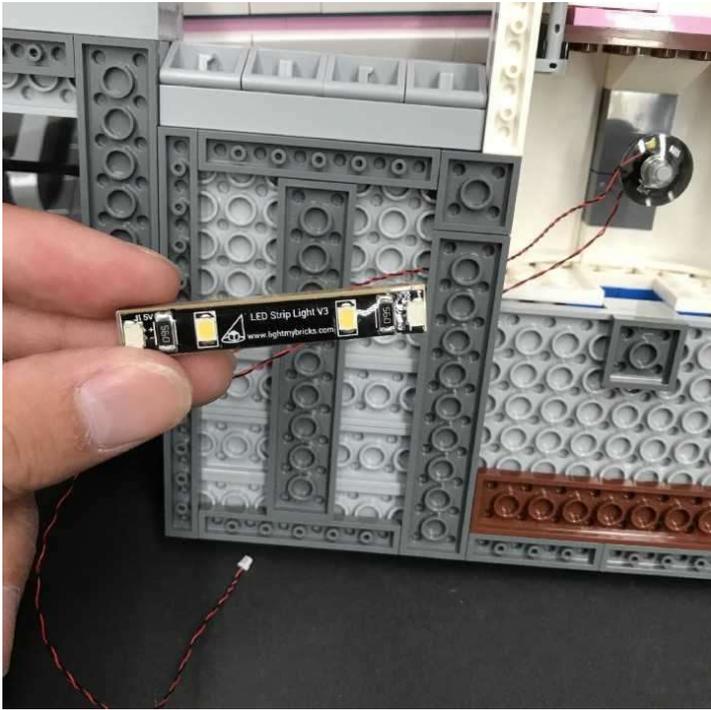
With the cable facing toward the left, reconnect the trans clear dish to secure the bit light in place.



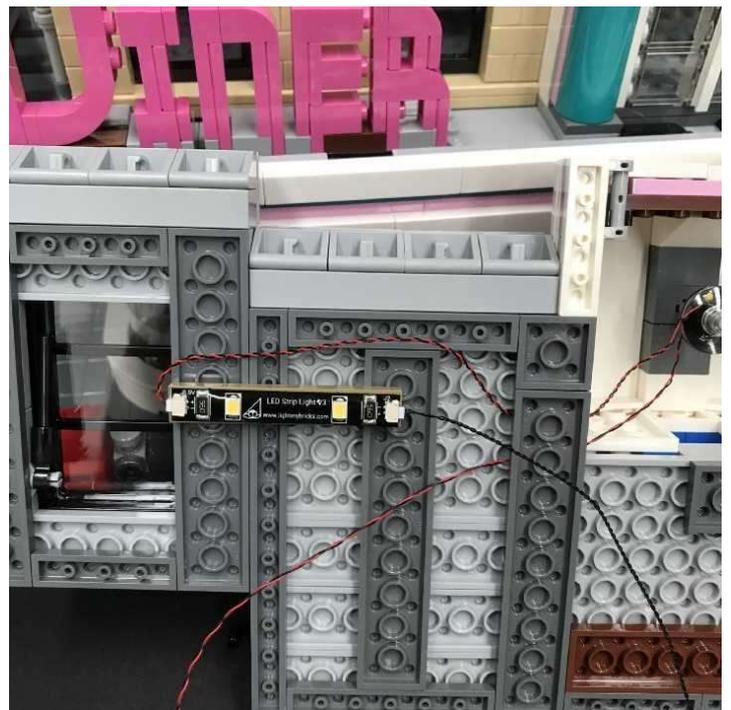
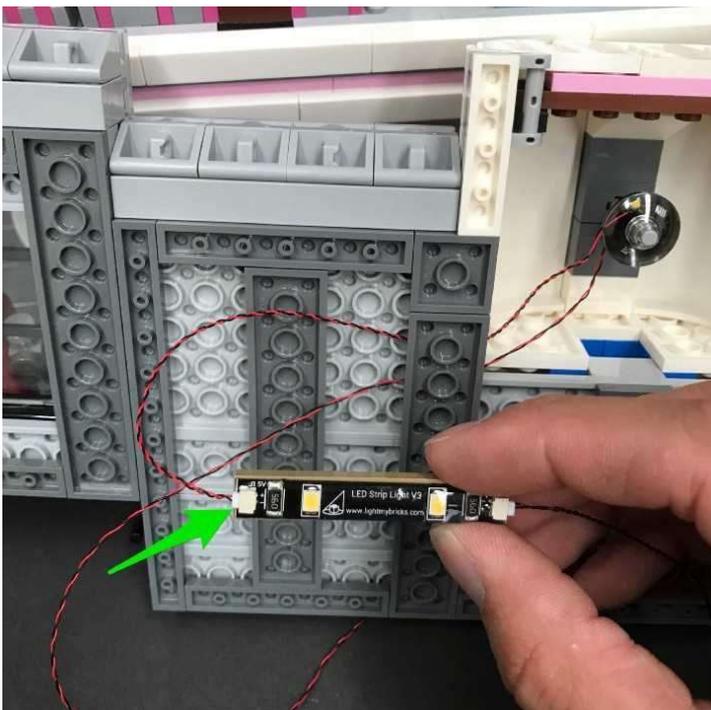
32.) Disconnect the 2x10 dark grey plate and then lay the two bit lightcables toward the left. Reconnect the 2x10 plate over the top ensuring each cable is laid in between studs.



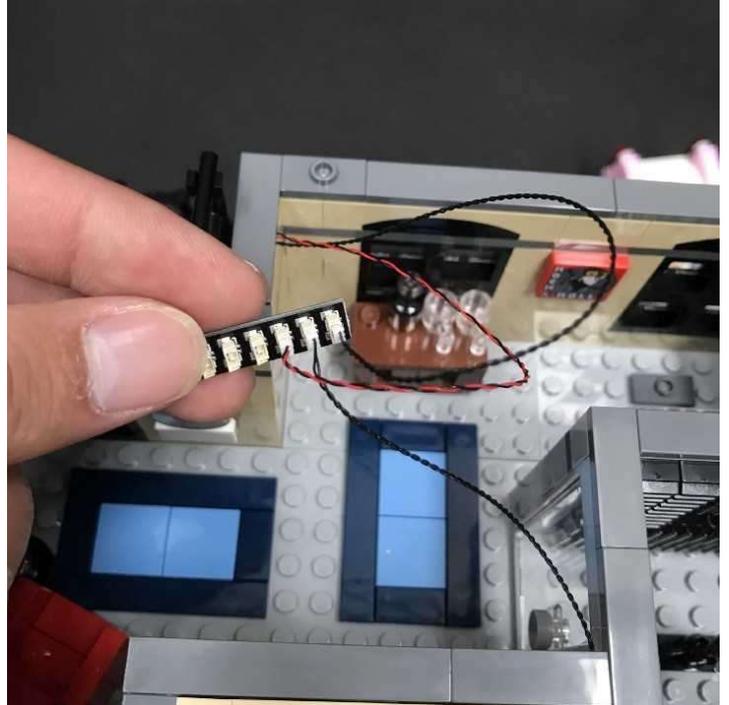
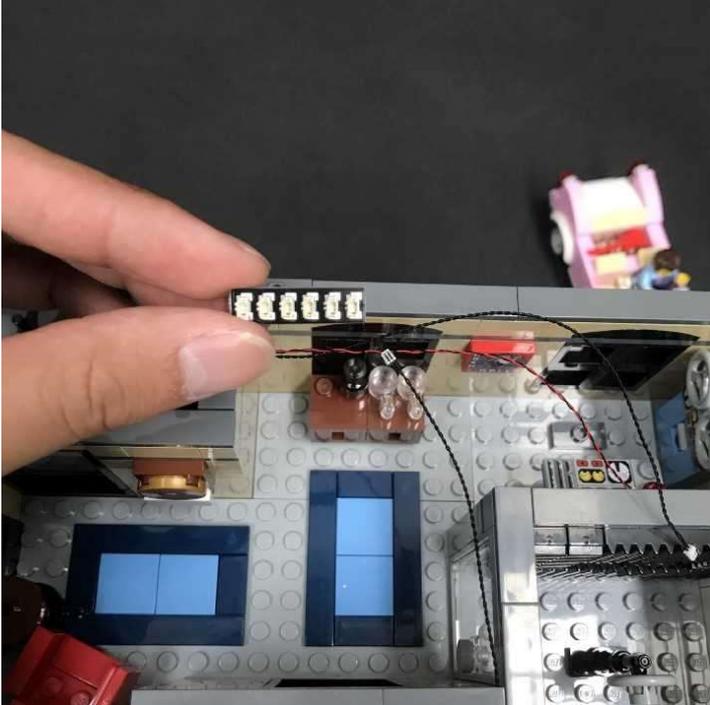
33.) Take the remaining White Strip Light and stick it to the remaining LEGO plate 1x6. Connect the last 15cm Connecting Cable to the right port on the strip light.



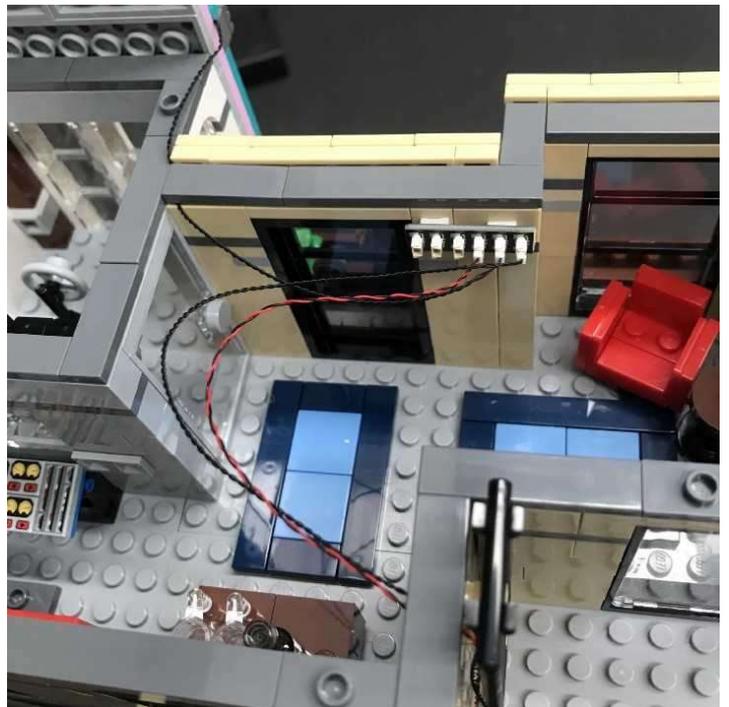
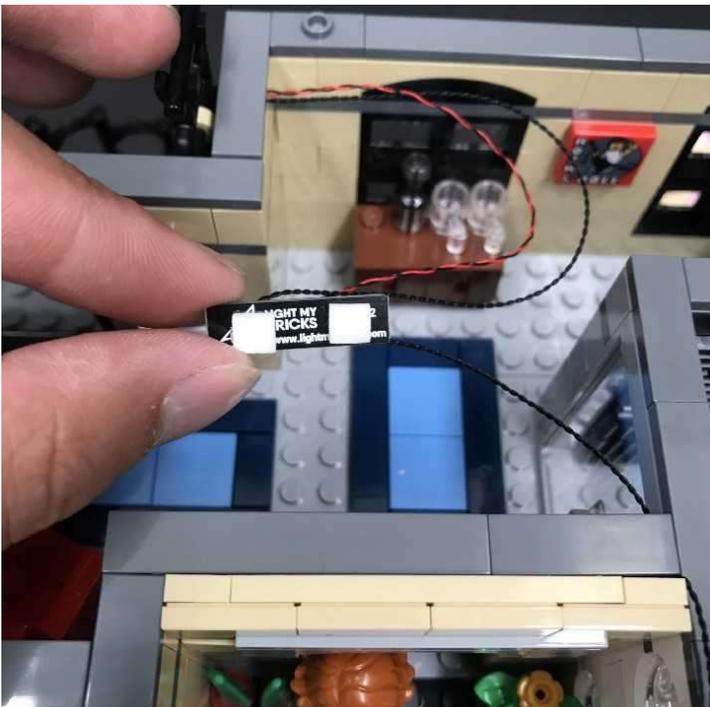
Connect the other end of the White 15cm Bit Light to the left port on the strip light and then mount the strip light to the bottom of the roof in the following position:



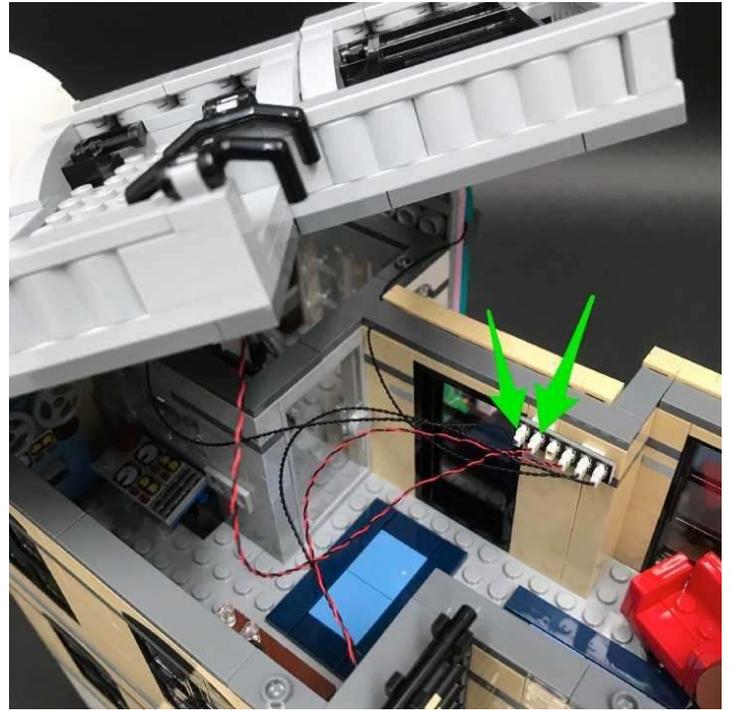
34.) Take the 6-port Expansion Board and then to the spare ports, the connect the 30cm connecting cable from the third oor, the lamp post cable from second oor, and the 15cm connecting cable from the strip light on the front arc.



35.) Mount the strip light to the inside of the building in the following position using the remaining 2x Adhesive Squares.



36.) Take the roof directly above the building and then connect the Flashing White 30cm Bit Light cable as well as the 15cm Connecting cable from the strip light to the spare ports on the 6-port expansion board.



Securely reconnect the roof to the third oor.



This nally completes installation of the Light My Bricks Downtown Diner Lighting Kit. Turn on your light kit and ENJOY!

