Light My Bricks: LEGO Winter Village Fire Station 10263 Lighting Kit

The following page is the instructions for the Light My Bricks LEGO Winter Village Fire Station (10263) LED light kit.

If you run into any issues, please refer to theonline troubleshooting guide.

To ensure a trouble-free installation of your light kit, please read and follow each step carefully.

Please note: This page lists instructions for the LED light kit only.

Package Contents:

- 2x **White 30cm Bit Lights**
- 9x **White 15cm Bit Lights**
- 10x **Flashing White 15cm Bit Lights**
- 3x **White Strip Lights**
- 1x **Blue Strip Light**
- 4x **6-Port Expansion Board**
- 1x **8-Port Expansion Boards**
- 1x **5cm Connecting Cable**
- 3x **15cm Connecting Cables**
- 1x **30cm Connecting Cables**
- 2x **50cm Connecting Cables**
- 1x **AA Battery Pack** (requires 3x AA Batteries)
- 1x **Flat Battery Pack** (requires 2x CR2032 Batteries)
- 8x **Adhesive Squares**

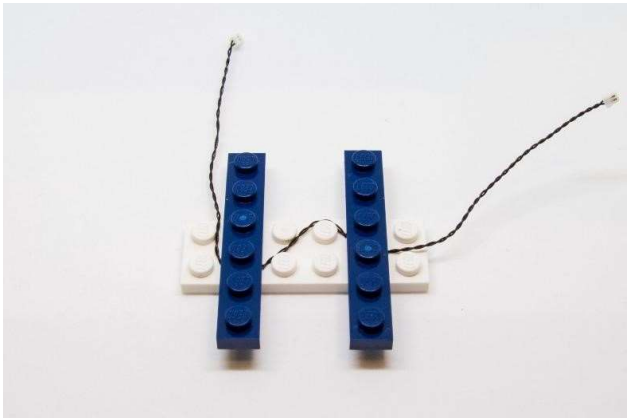
LEGO Pieces:

- 4x **Trans Red Round Plate 1×1**
- 4x **Trans Yellow Round Plate 1×1**
- 2x **Trans Blue Round Plate 1×1**
- 2x **Trans Green Round Plate 1×1**
- 2x **Plate 1×6** (any colour)
- 1x **Plate 1×2** (any colour)

Important things to note:

Laying cables in between and underneath bricks

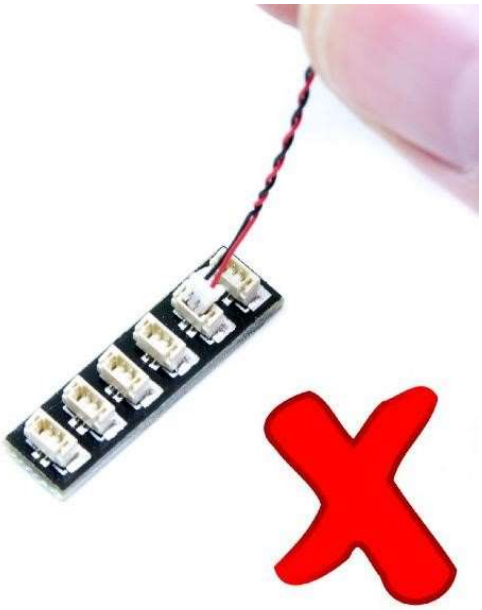
Cables can fit in between and underneath LEGO® bricks, plates, and tiles providing they are laid correctly between the LEGO® studs. Do NOT forcefully join LEGO® together around cables; instead ensure they are laying comfortably in between each stud.

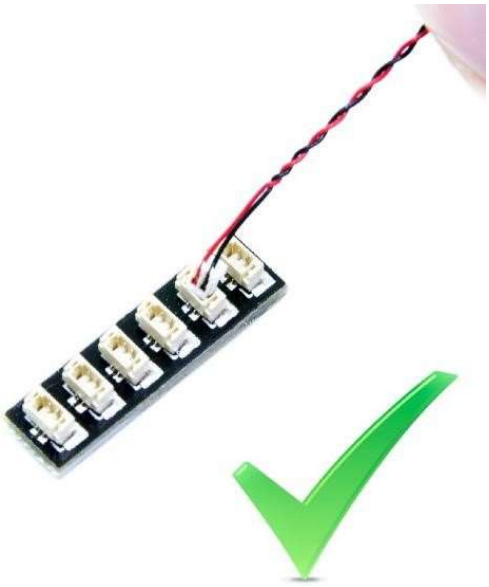


CAUTION: Forcing LEGO® to connect over a cable can result in damaging the cable and light.

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 fit easily into a port connector, do not force it.

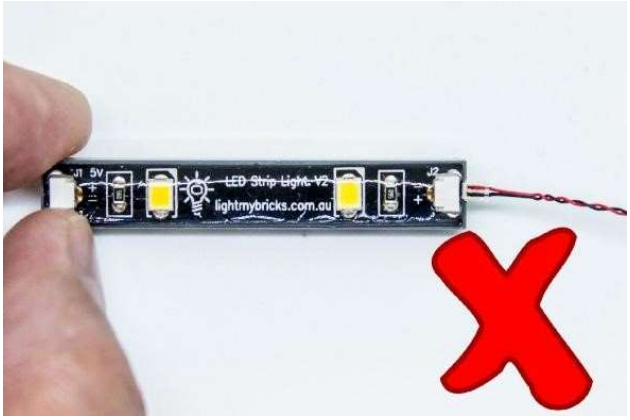


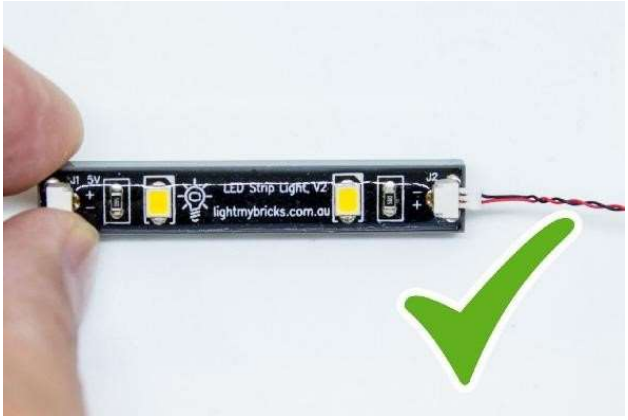


Incorrectly inserting the connector can can result in bent pins inside the port or possible overheating of the expansion board when connected.

Connecting cable connectors to Strip Lights

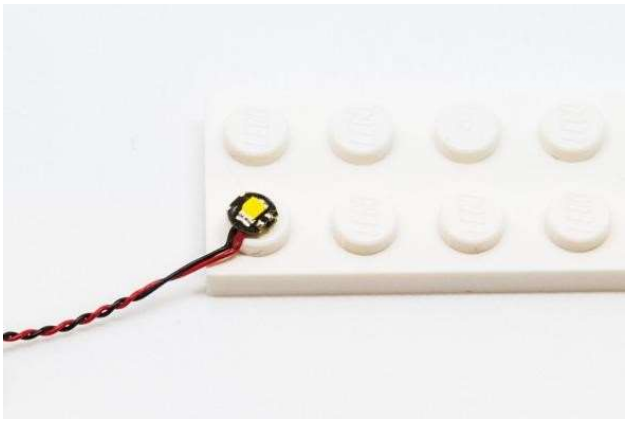
Take extra care when inserting connectors to ports on the Strip Lights.
Connectors can be inserted only one way. With the Strip Light facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, don't force it. Doing so will damage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

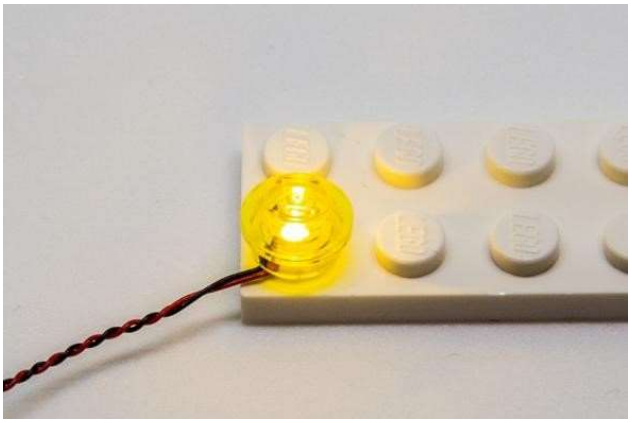


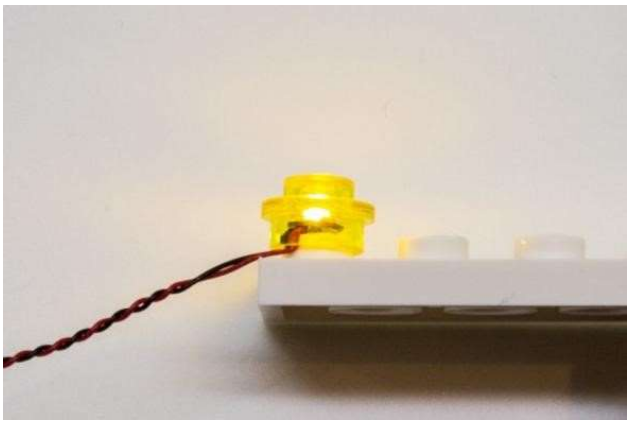


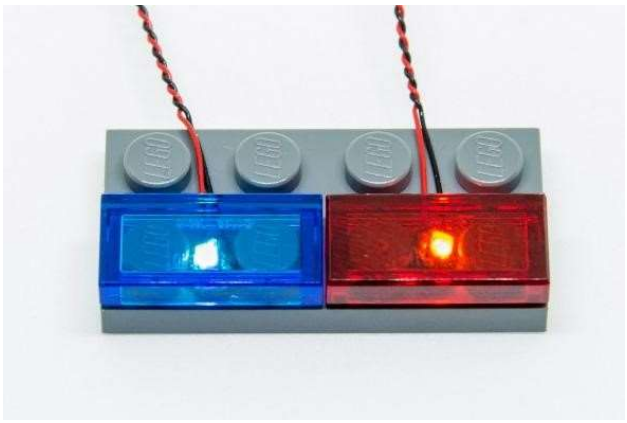
Installing Bit Lights under LEGO® bricks and plates.

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.





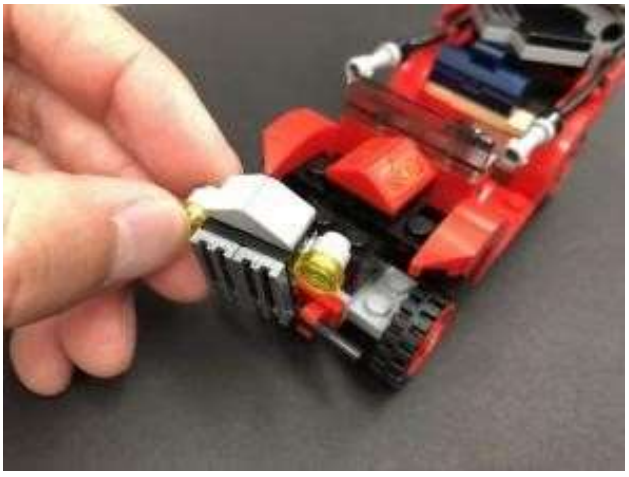
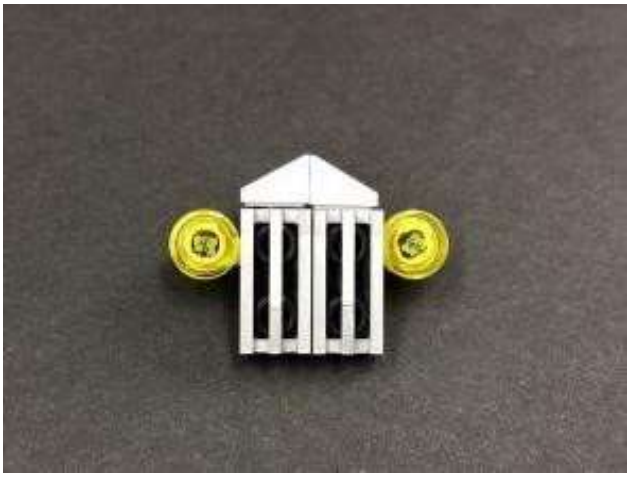




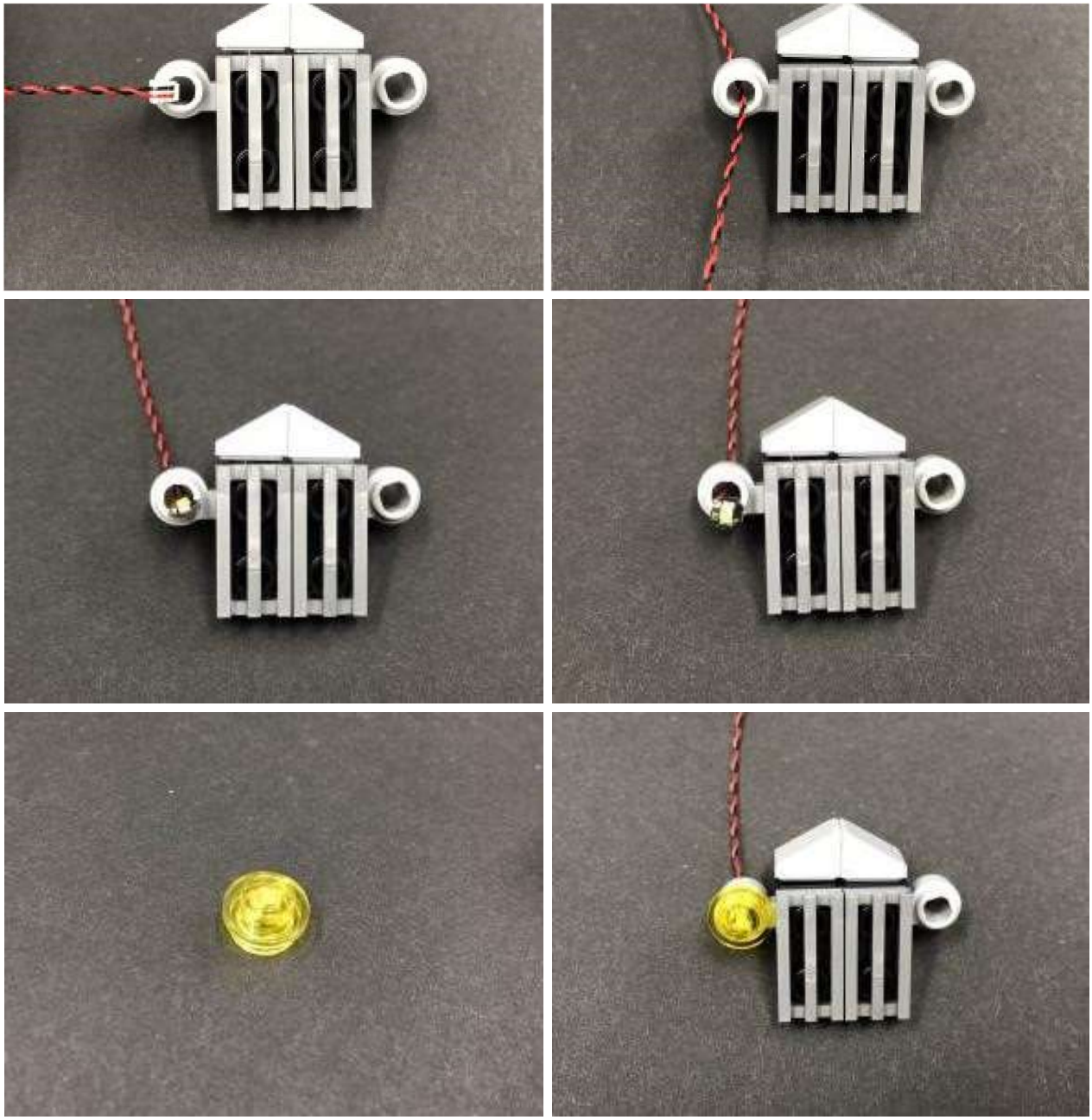
OK, Let’s Begin!

Installing lights to the Fire Truck

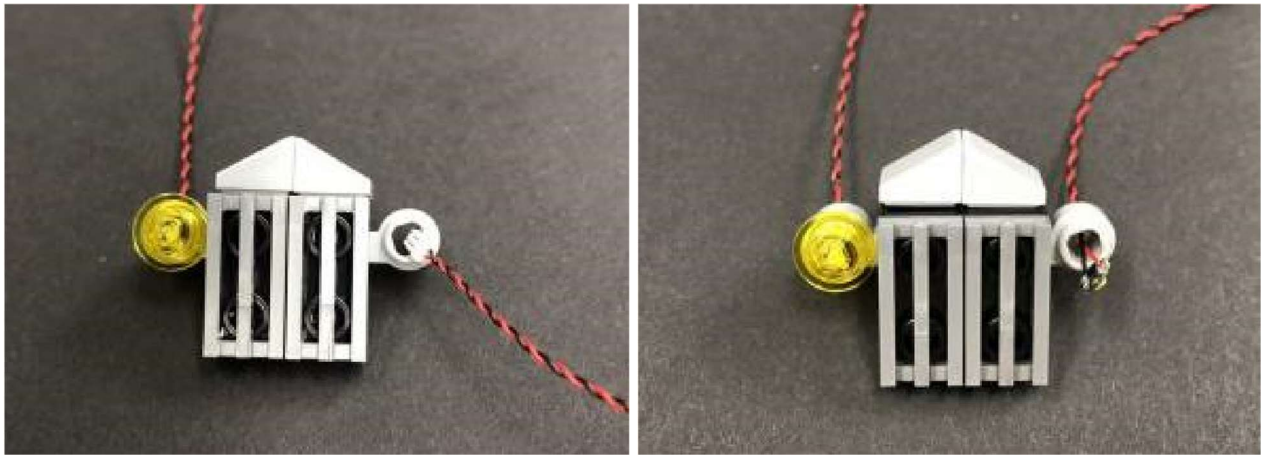
1.) We will first install head and tail lights to the fire truck. Take the truck anddisconnect the front section from the vehicle, then disconnect the two trans yellow round tiles from it.

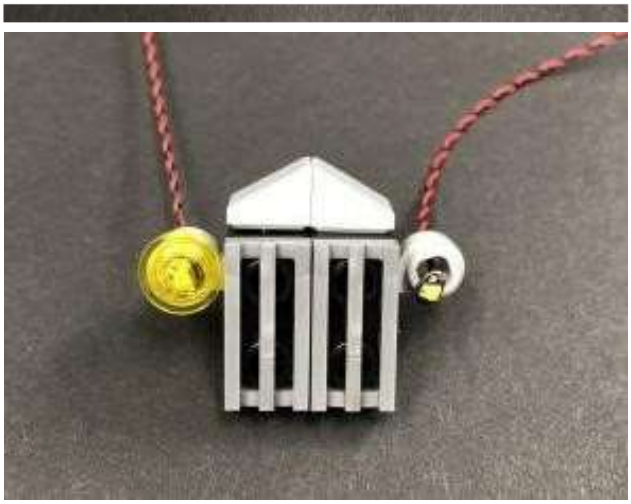



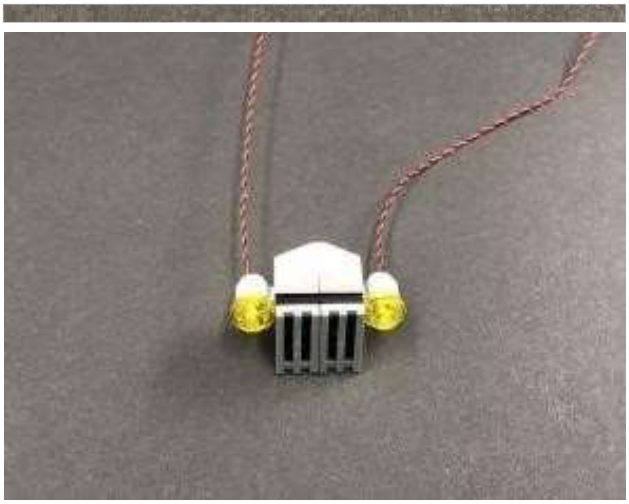
Take a **White 15cm Bit Light** and thread the connector end of the cable through the front of one of the side pieces. Thread the cable all the way through, then flatten the Bit Light against the edge of the round stud. Secure the Bit Light in place by connecting a provided **Trans Yellow Round Plate 1×1** over the top.



Repeat this step to install another **White 15cm Bit Light** to the other side, securing it in place using another provided **Trans Yellow Round Plate 1×1.**



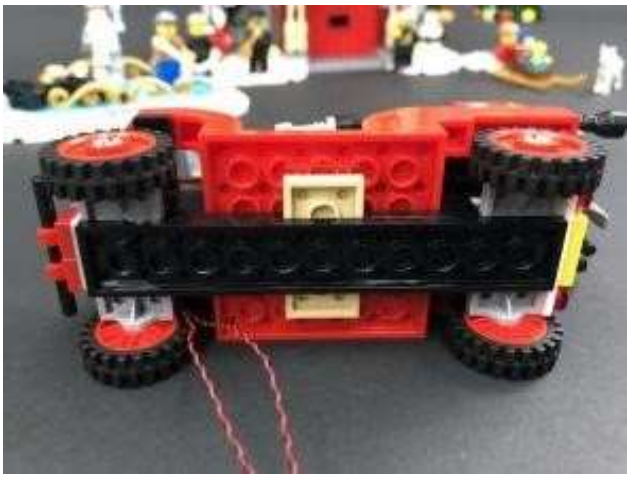


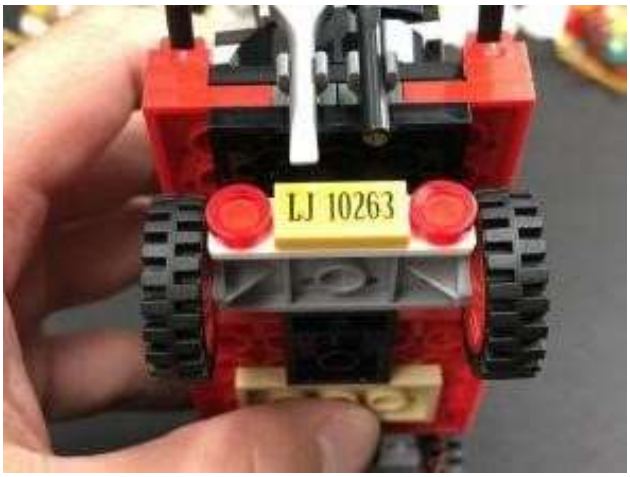


2.) Flip this front section over then take the cable from the right side and fold itover to the left side before reconnecting this section back to the front of the vehicle. Ensure that both cables are laid toward the left.

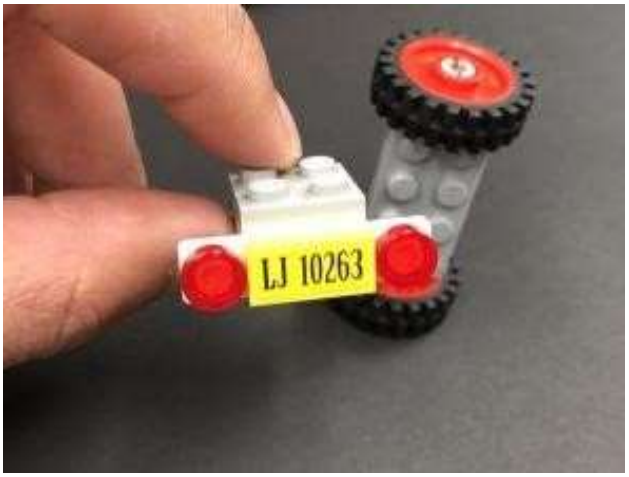
Flip the truck over and lay it on its left side. Take both cables and bring them behind the front right wheel

3.) Turn the truck around and disconnect the black 2×12 plate from underneath, then disconnect the back wheel section





Disconnect the tail light section from the back wheel then disconnect the two trans red round tiles.

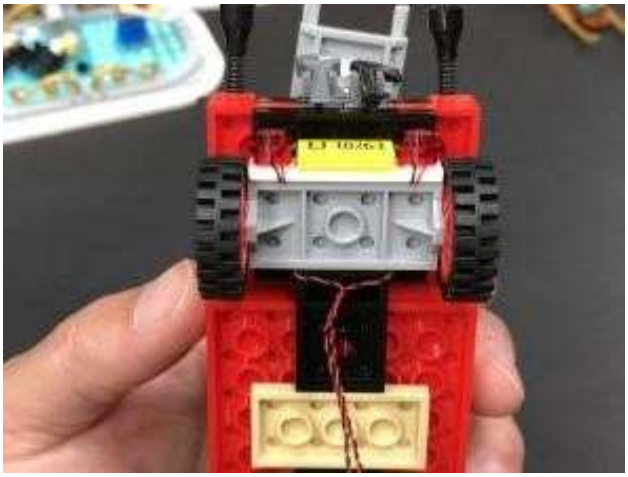


4.) Take a **White 15cm Bit Light** and with the cable facing down, place it over the left stud as shown below. Secure the Bit Light in place by connecting a provided **Trans Red Round Plate 1×1** over the top.

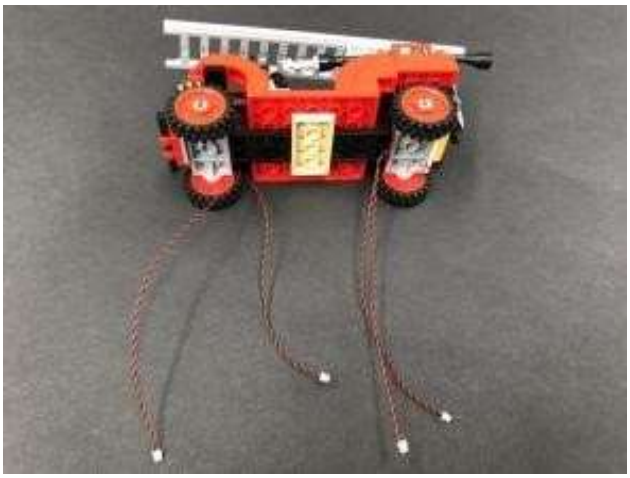
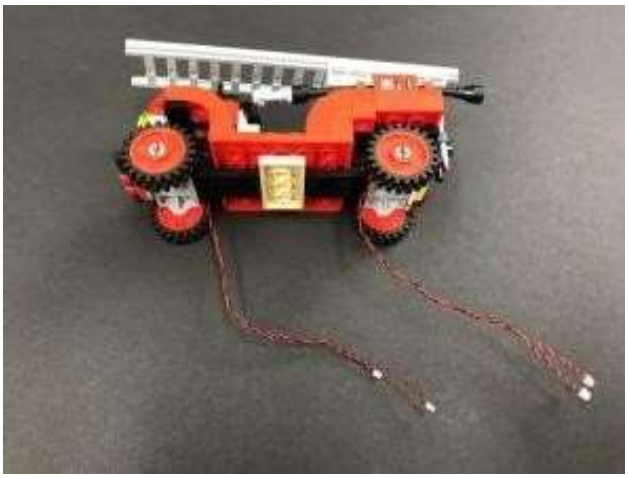
Repeat this step to install another **White 15cm Bit Light** to the right side using another **Trans Red Round Plate 1×1** to secure the Bit Light in place.

5.) Fold both cables underneath the this section then reconnect it to the backwheel. Ensuring both cables are laid in between studs, reconnect it back underneath the truck.

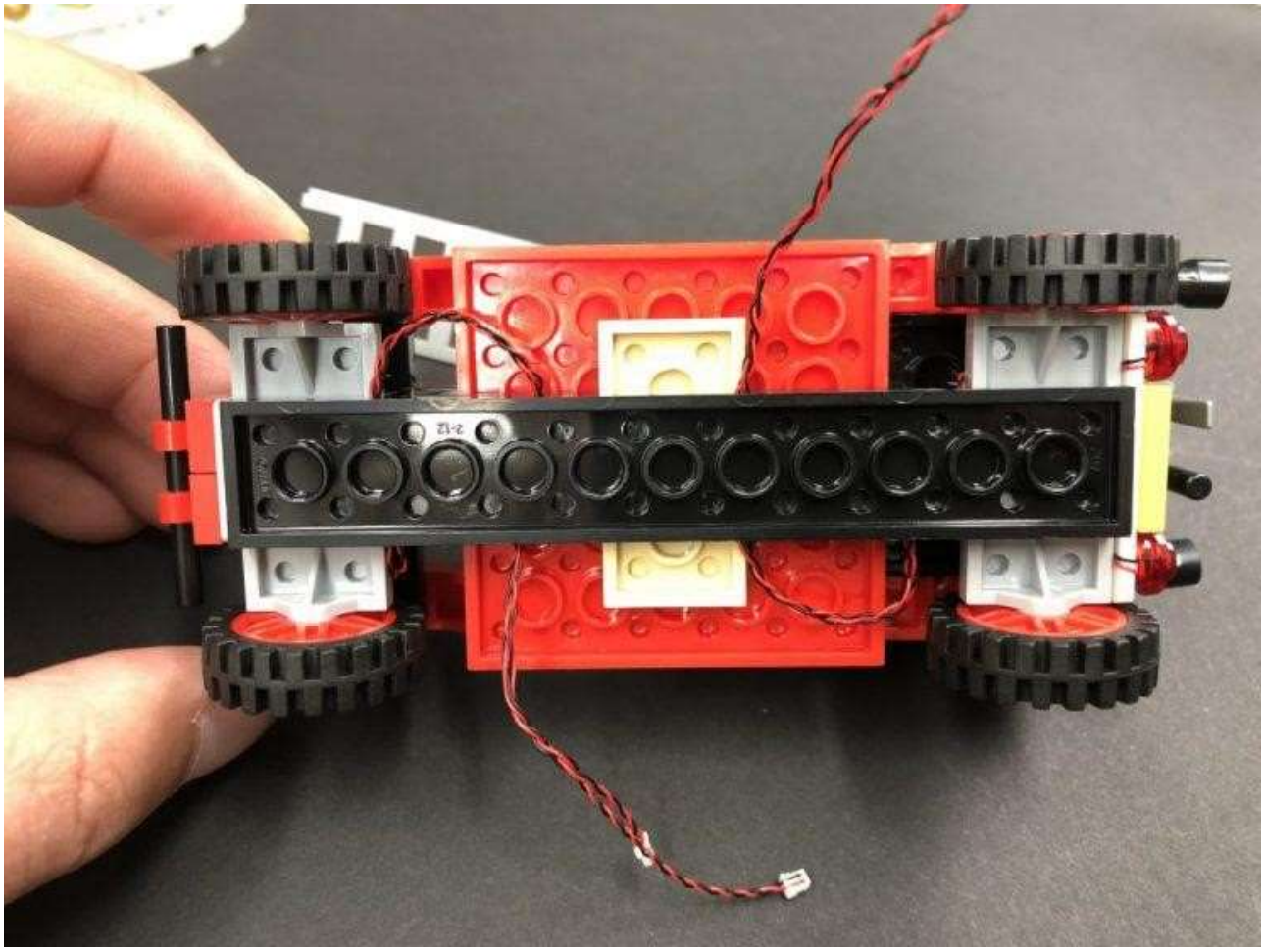
Take both tail light cables and twist/wind them around each other 3-4 times at the edge of the plate.



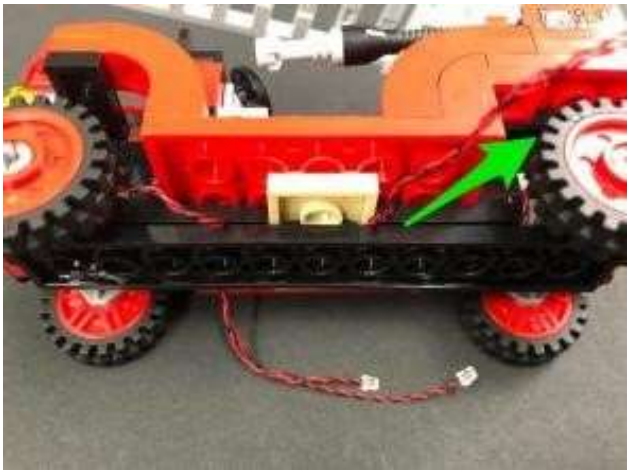
Continue to wind the cables around each other all the way to the ends, then repeat this step to twist/wind the cables from the headlights.

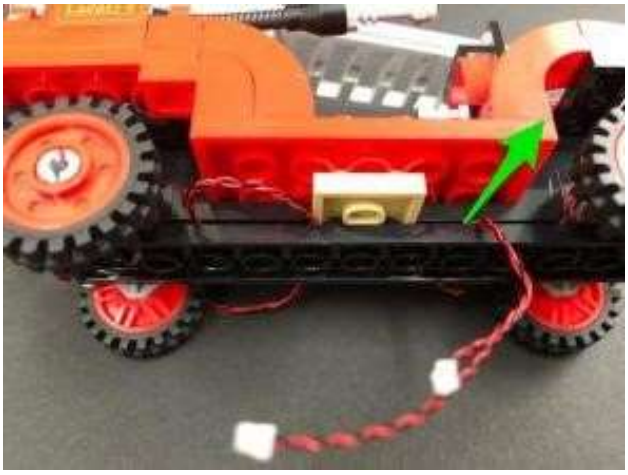



6.) Lay the two thicker cables underneath the truck, then reconnect the black2×12 plate over the top ensuring the cables are laid in between studs as shown below.

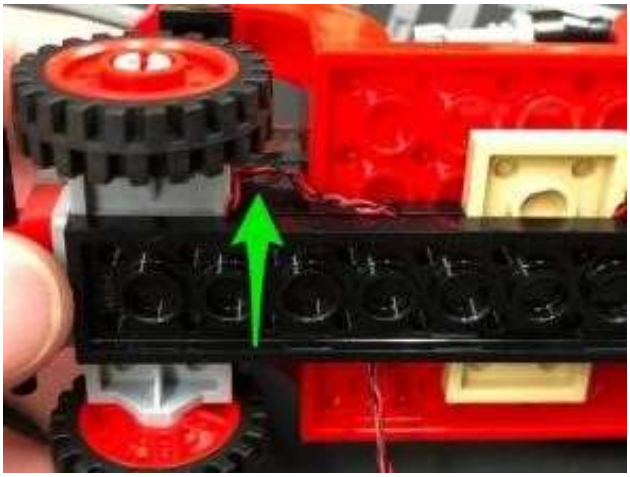
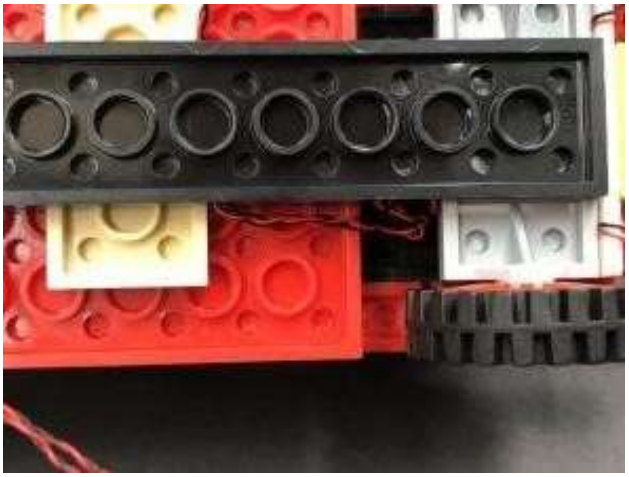


The headlight cables should be laid out toward the left side of the truck and the tail light cables should be laid out toward the right side.

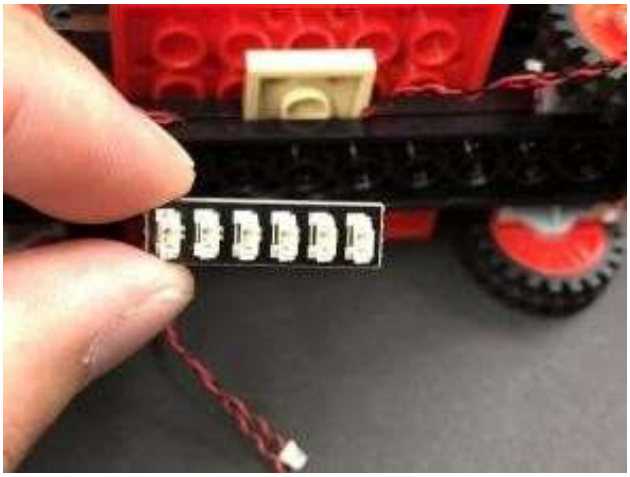
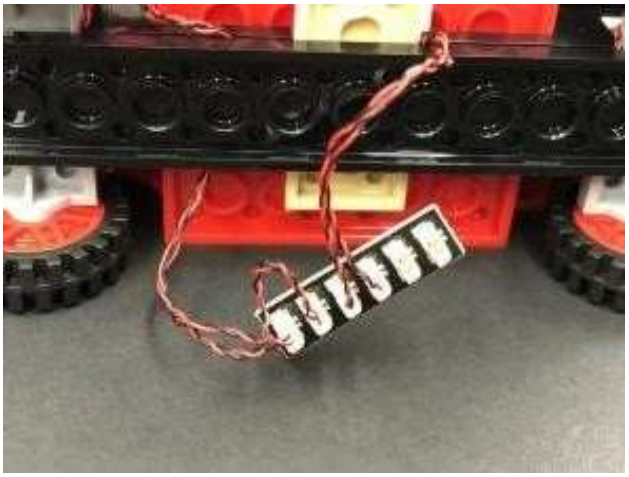
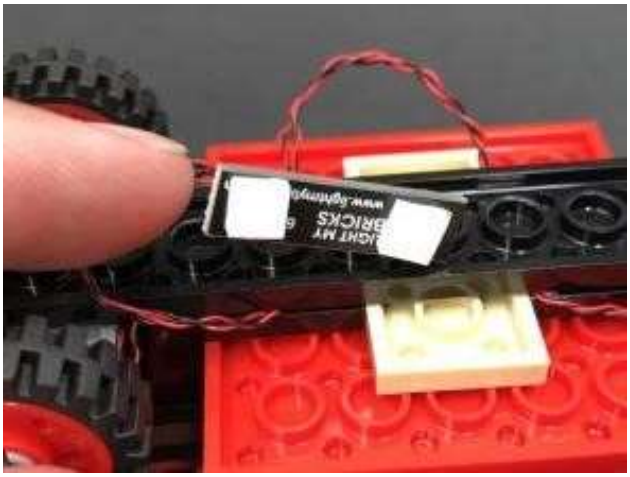
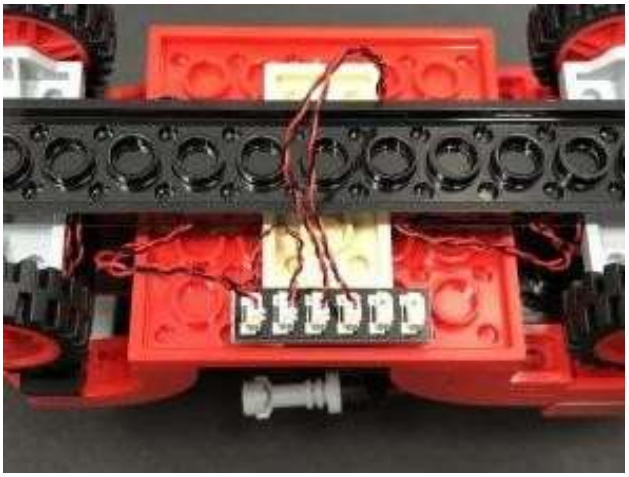




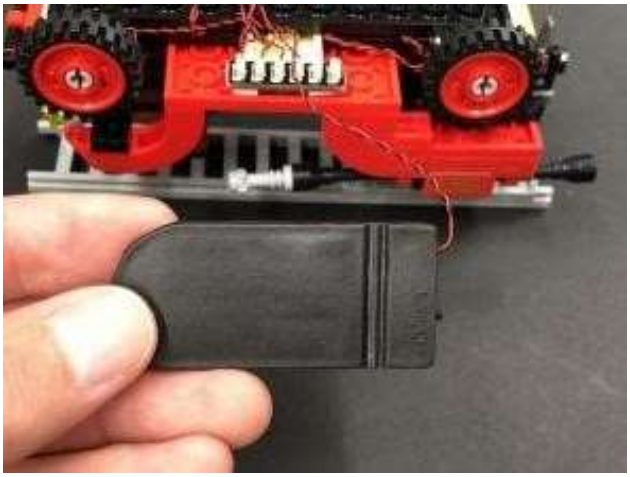
From the left side of the truck, tuck the head light cables toward the inside of the front wheels, then flip the car around.

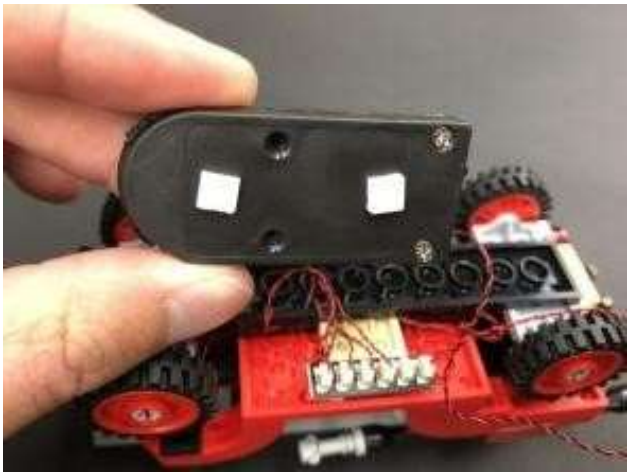
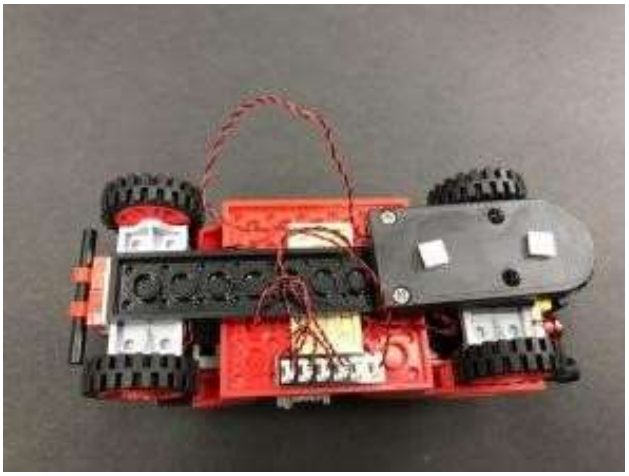
7.) Take a **6-Port Expansion Board** and connect all four Bit Light cables to it. Take **2x Adhesive Squares** and stick them to the flat side of the expansion board, then mount the expansion board underneath the truck in the following position

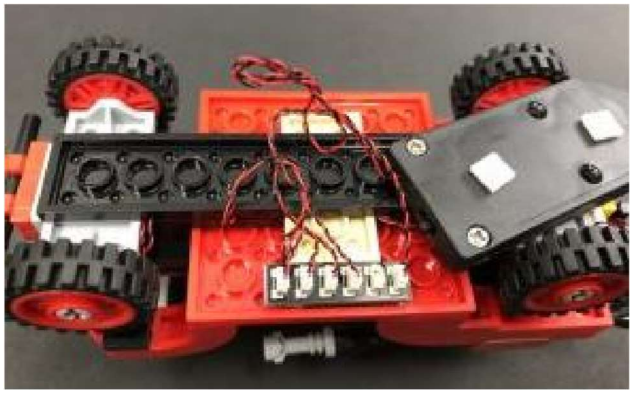
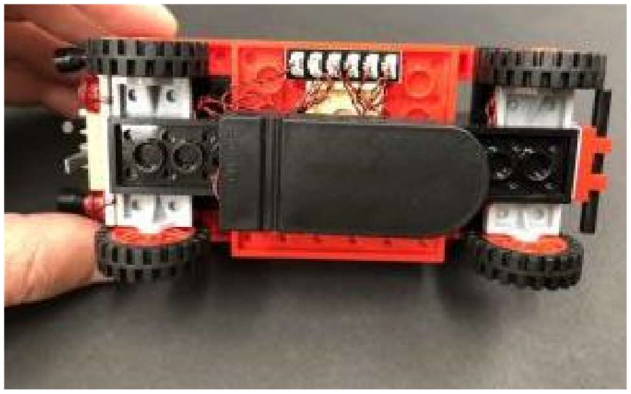





8.) Take the **Flat Battery Pack** and insert 2x CR2032 Batteries inside. Connect the battery pack cable to the expansion board and turn it ON to test that all four lights are working OK.



Stick another **2x Adhesive Squares** underneath the Flat Battery Pack (side with screws) then twist/wind the battery pack cable before mounting the battery pack underneath the Truck as per below.

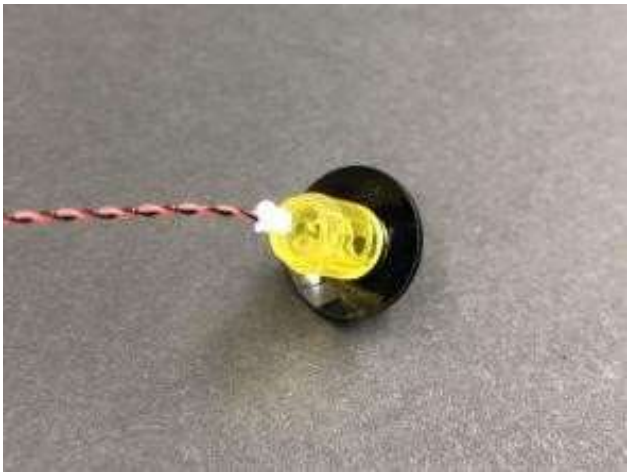



This completes installation of the Fire Truck lights.

Installing Lights to the Fire Station and external sections.

1.) We will first install lights to the lamp post beside the bench. Disconnect the lamp post then remove and disassemble the top section as per below.

Take a **White 30cm Bit Light** and thread the connector side of the cable through the bottom of one of the lamps. Thread the cable all the way through until the Bit Light is up inside of the trans yellow round brick.

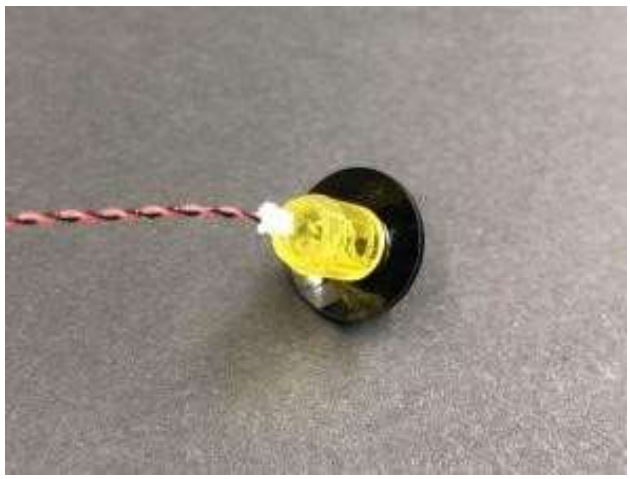


Carefully and slowly reconnect the black tap piece to the top ensuring the bit light is facing the left side of the lamp (This is so the light is shining the correct way when reconnected to the lamp).

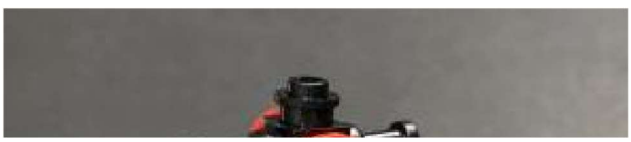
Important Note: Do not forcefully push the tap piece as this may break the cable. The bit light should push down slightly as the tap piece is reconnected.

2.) Thread the Bit Light cable through the left side of the 1×1 brick with open studs and then out the bottom as shown below. Thread the cable all the way through before reconnecting the lamp section.

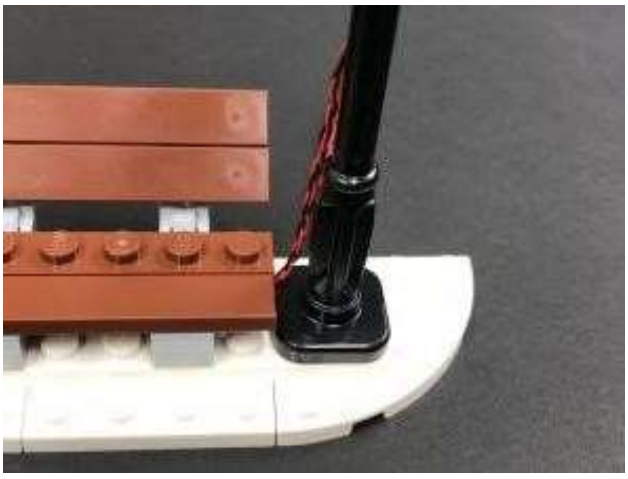
3.) Repeat previous steps to install another **White 30cm Bit Light** to the right lamp ensuring the bit light is facing the right side of the lamp when reconnecting the black tap piece.

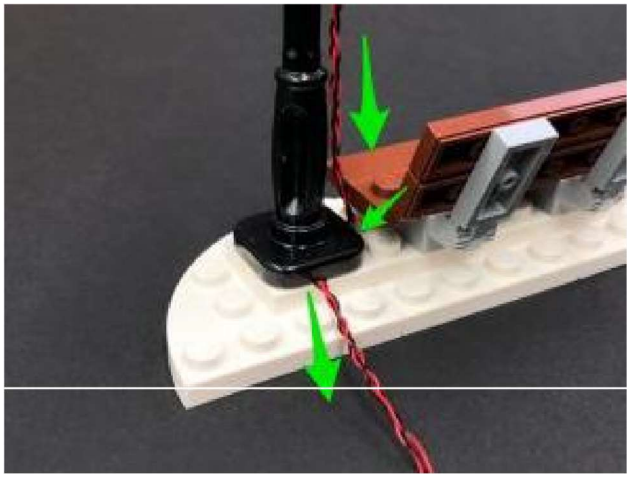


4.) Reconnect this section (with lights installed) back to the lamp post thenfrom the back, twist/wind the two cables around each other all the way to the end so that they both come together to form one larger cable.



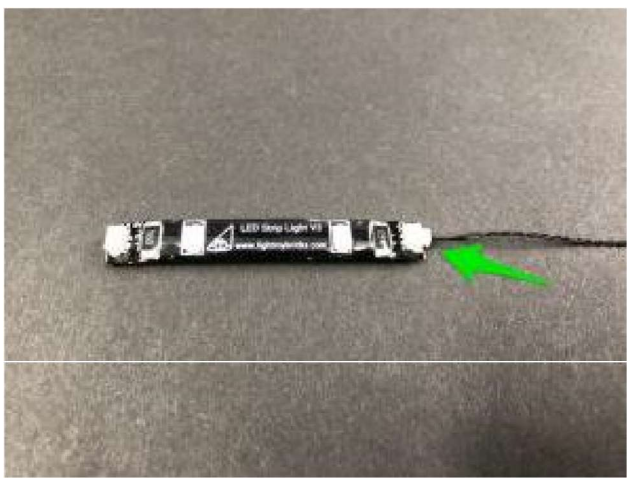
Reconnect the lamp post back to the base (next to the bench) and while doing so, lay the cable underneath the lamp post base and then out toward the back (in between studs).



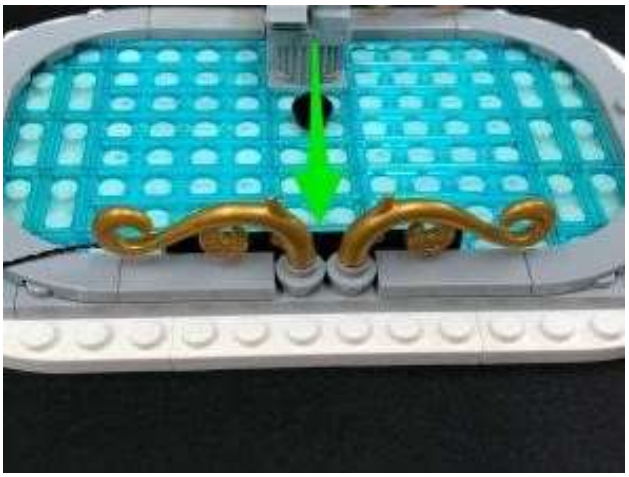


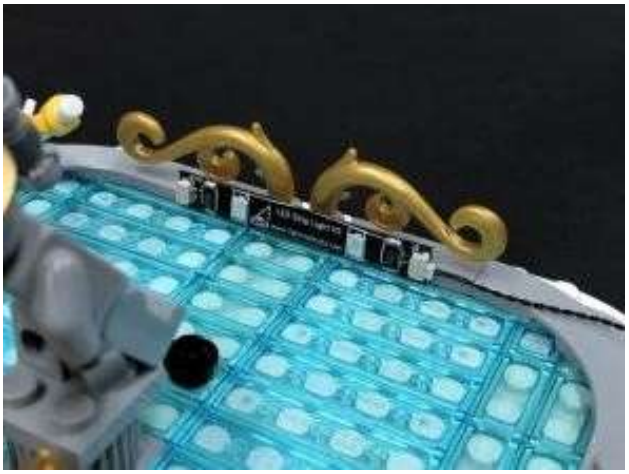
Place this section on the left side of the Fire Station. Leave this section for now as we will connect up the lights at a later stage.

5.) We will now move onto lighting the Ice Rink. First take a **Blue Strip Light** and connect a **50cm Connecting Cable** to the right side.

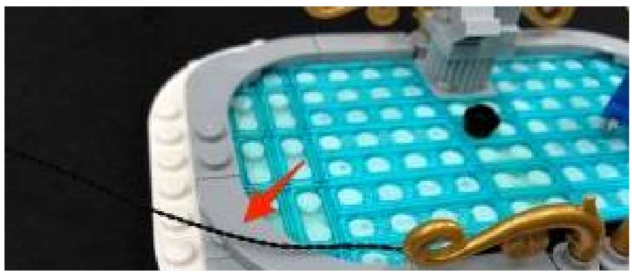


Using its adhesive backing, stick the strip light behind the front feature as close to the bottom as you can. The strip light will project down and illuminate the trans light blue tiles. The cable should be facing the left side of the rink.



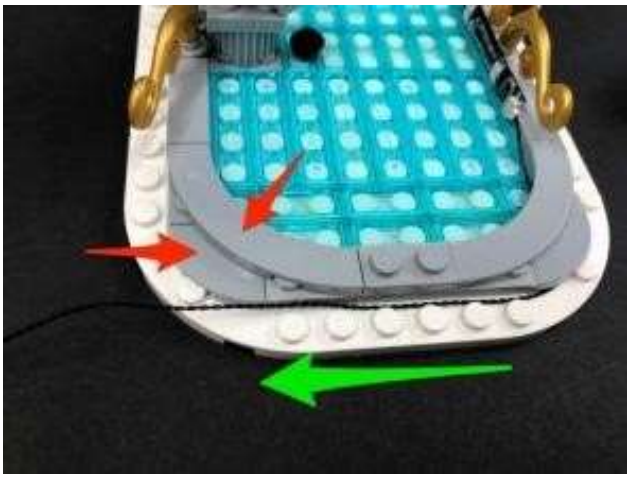


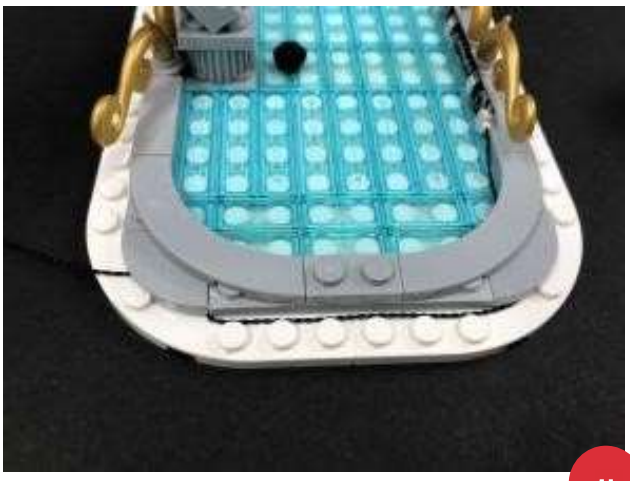
6.) Disconnect the following pieces on the front left of the rink, then lay thecable from the strip light down in between studs. Reconnect pieces over the top of the cable.



Bring cable up the side and toward the back of the rink. Disconnect the following pieces on the back left then lay the cable down in between studs.

Reconnect pieces over the top.



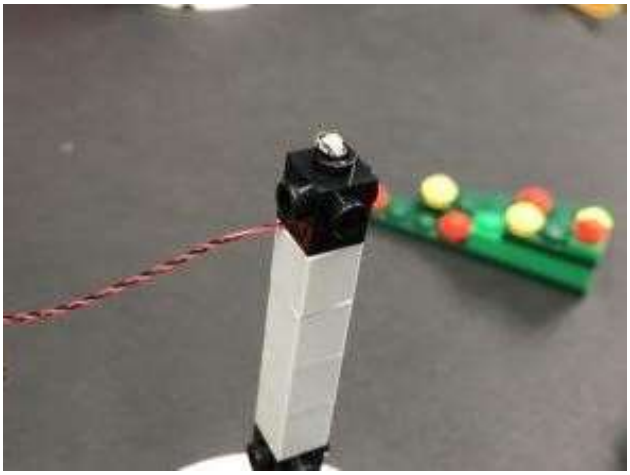


Place the ice rink in the following position outside the front left of the Fire Station. Leave the cable disconnected for now as we will connect this up at a later stage.

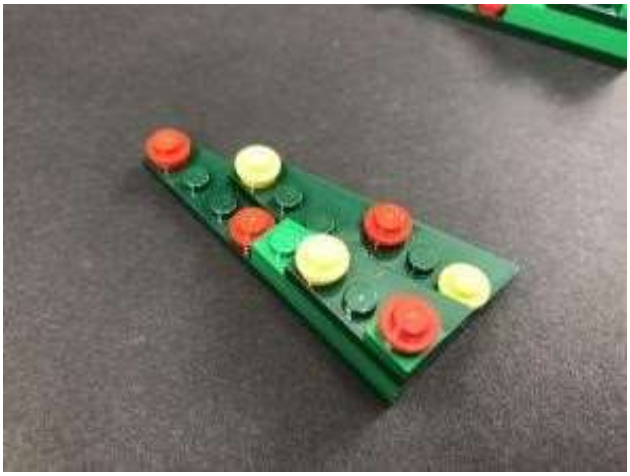
7.) We will now install lights to the christmas tree. Take this section anddisconnect the four sides as well as the star section from the top of the tree as shown below:

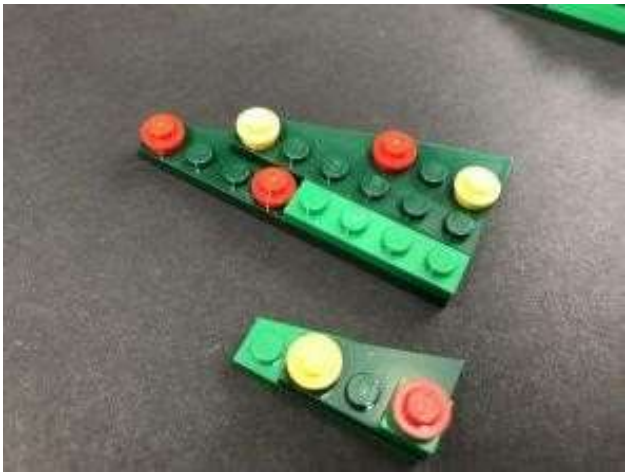
Disconnect the black 1×1 brick underneath the star section, then take a **Flashing White 15cm Bit Light** and thread the connector end of the cable through the top of the 1×1 brick. Thread the cable all the way through, then flatten the Bit Light so that it sits flat against the edge of the brick.

Reconnect this section back to the top of the tree, then reconnect the star section.

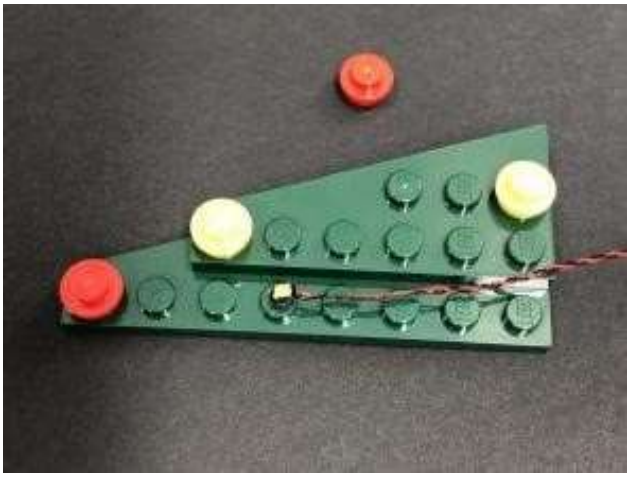
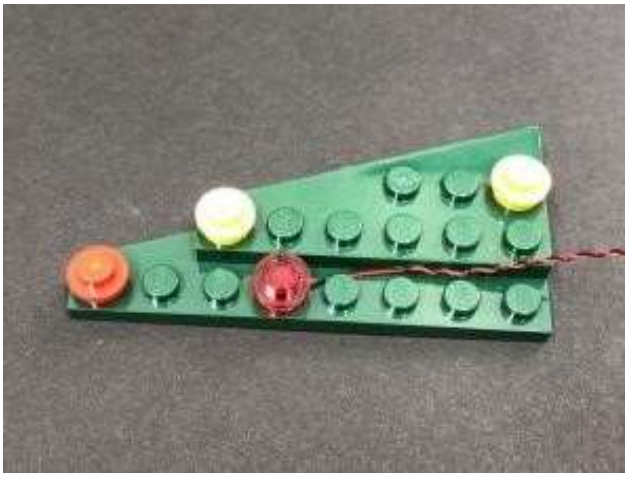


8.) Take one of the tree's side sections and disconnect the following pieces.

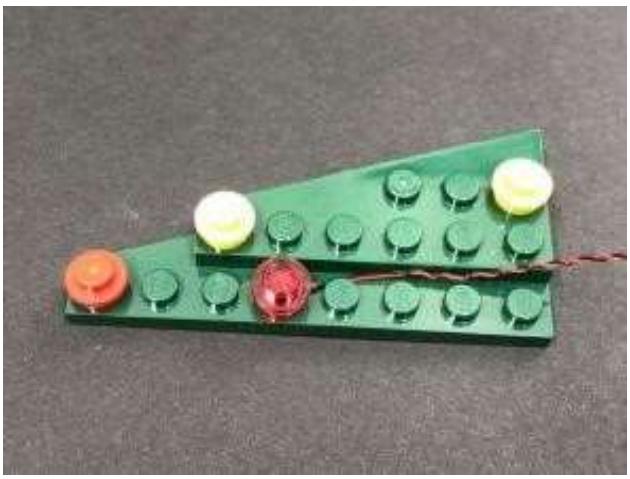
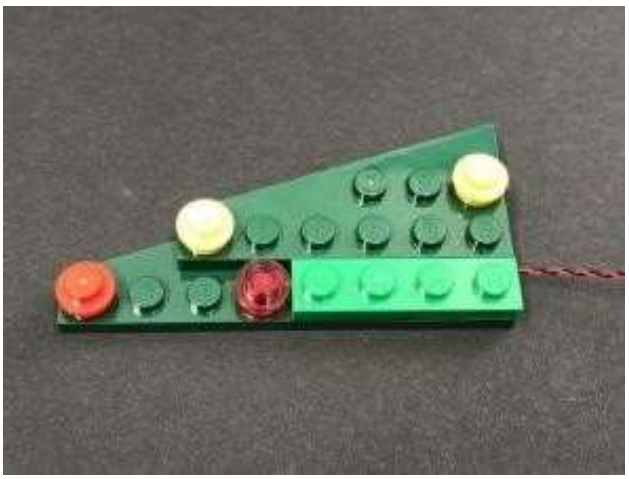




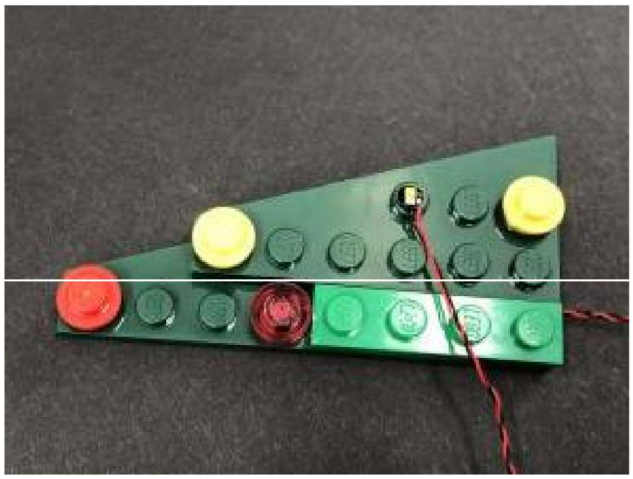
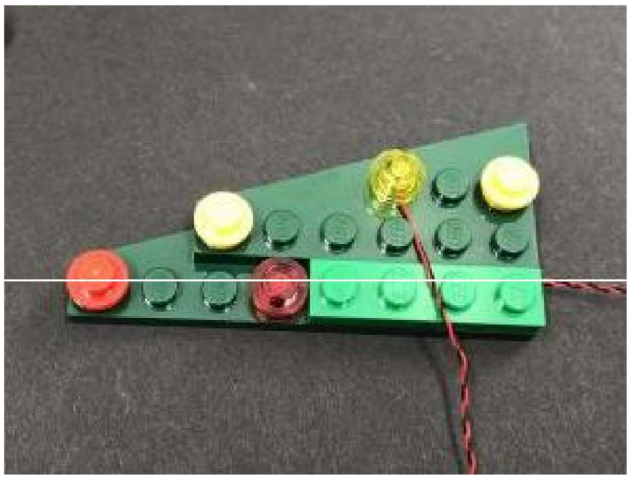
Take a **Flashing White 15cm Bit Light** and with the cable facing the bottom of the tree, place it over the following stud. Secure the Bit Light in place by connecting a provided **Trans Red Round Plate 1×1** over the top.

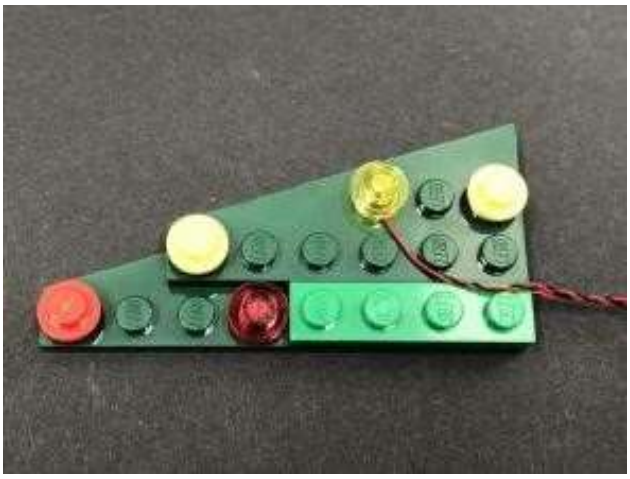
Lay the cable in between studs before reconnecting the green 1×4 plate.

9.) Take another **Flashing White 15cm Bit Light** and with the cable facing toward the inside, place it over the following stud. Secure the Bit Light in place by connecting a provided **Trans Yellow Round Plate 1×1** over the top.

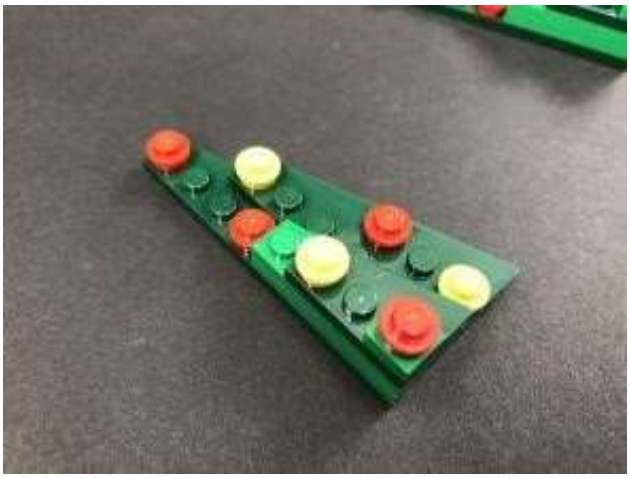
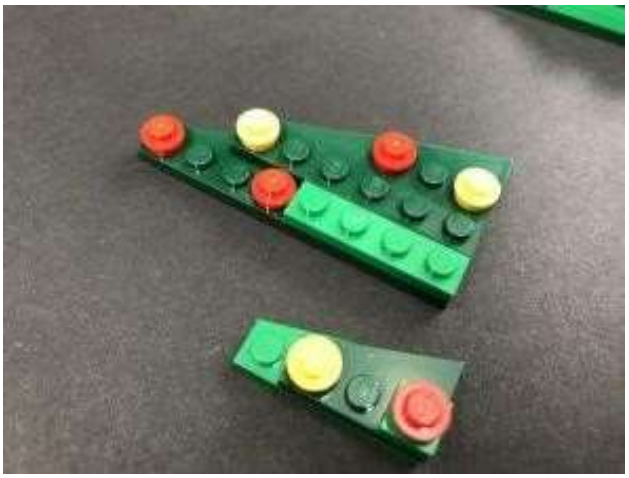



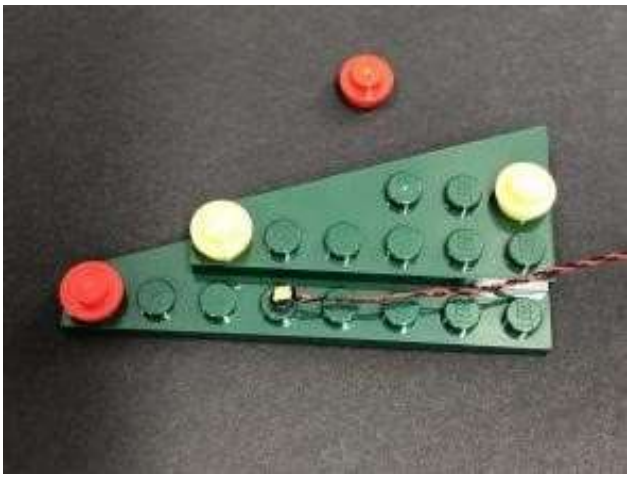
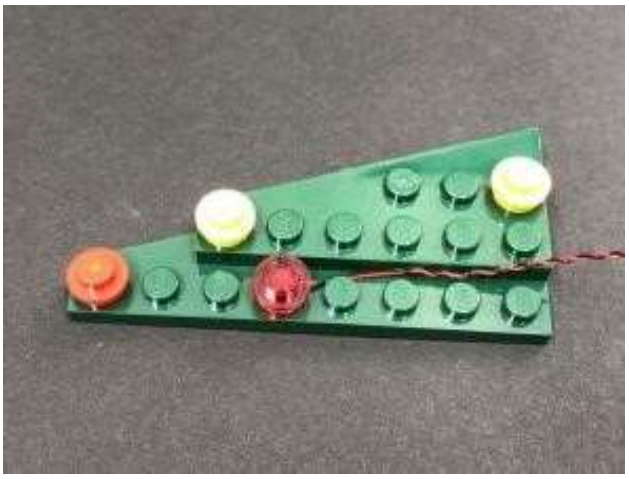
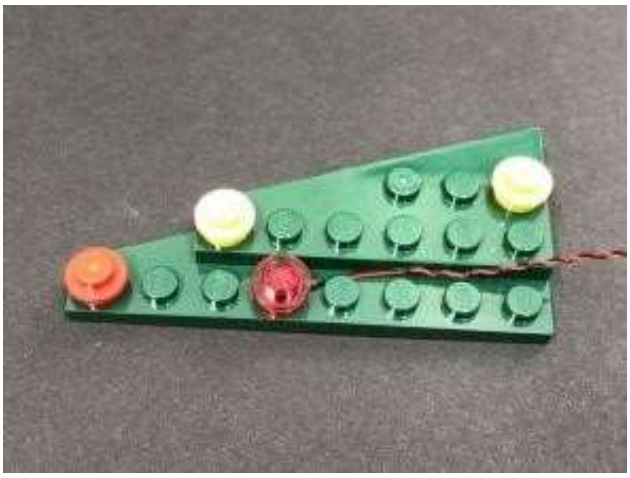
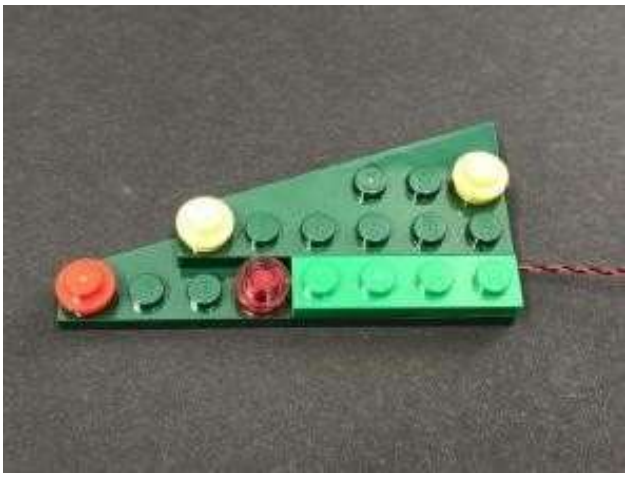
Lay the cable toward the bottom of the tree in between studs, then reconnect the following section over the top as shown below:

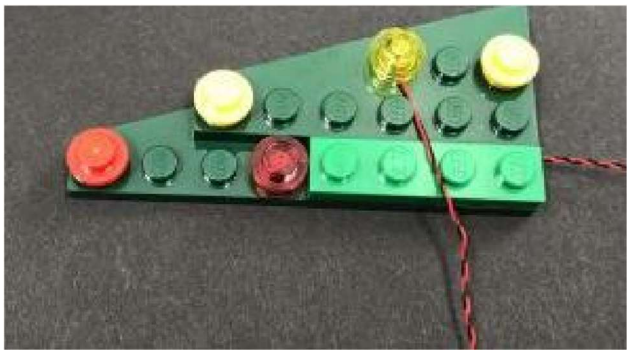
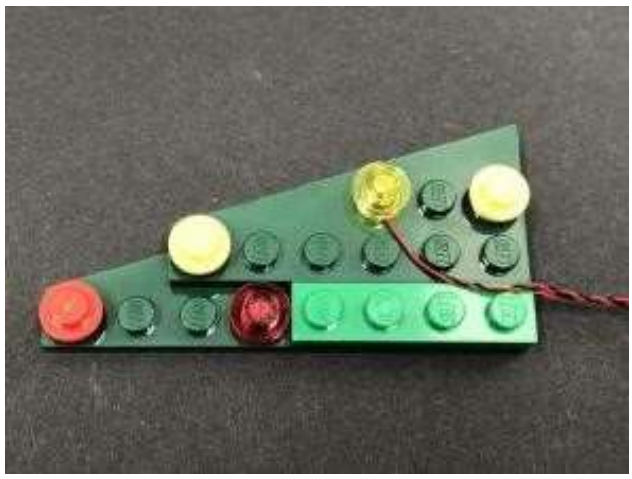


Reconnect this side section back to the tree, ensuring all cables are neatly laid down the side toward the bottom.

10.) Repeat the previous 2 steps to install another **2x Flashing White 15cm Bit Lights** to another side section of the tree, securing them in place using another provided **Trans Red Round Plate 1×1** and **Trans Yellow Round Plate 1×1.**

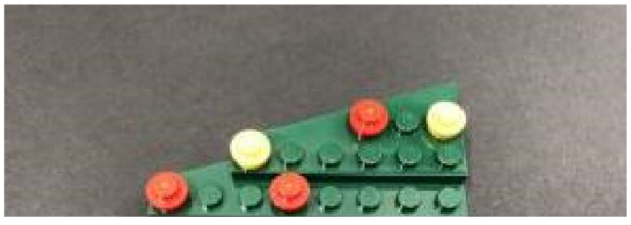



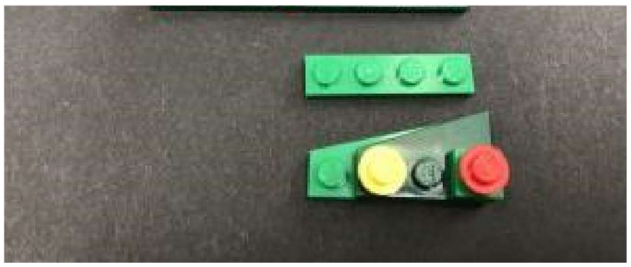





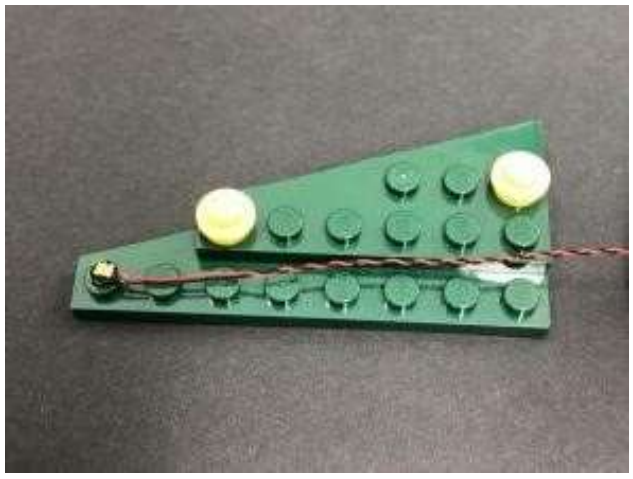
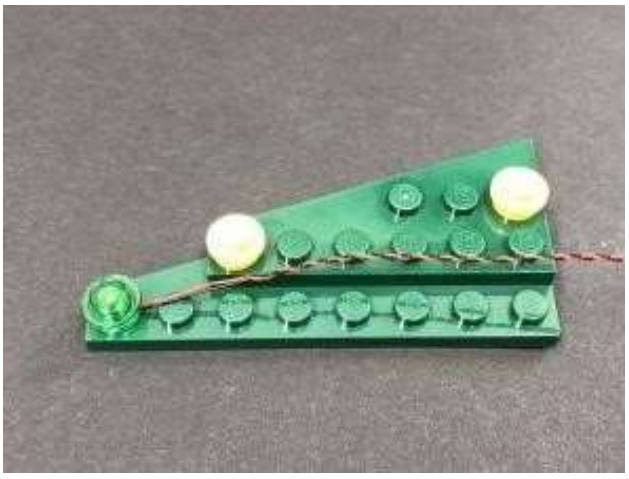
Reconnect this section to the opposite side of the tree where you reconnected the first side section.

11.) Take another side section of the tree and disconnect the following pieces:

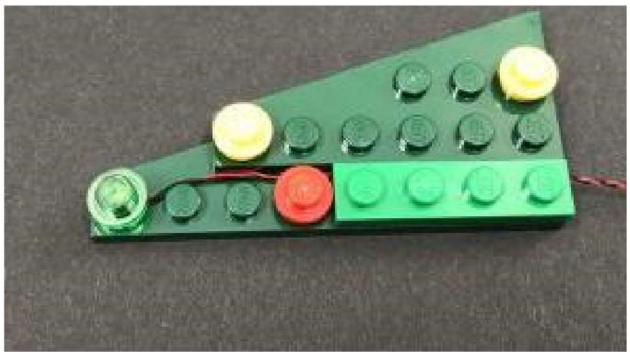




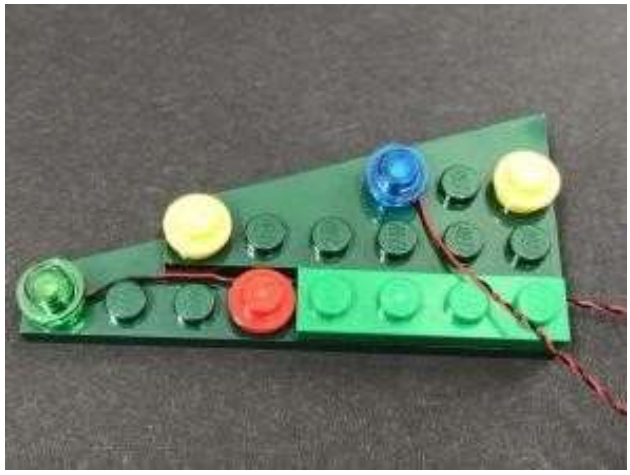
Take a **Flashing White 15cm Bit Light** and with the cable facing toward the bottom of the tree, place it over the very top stud of this section. Secure the Bit Light in place by connecting a provided **Trans Green Round Plate 1×1** over the top.

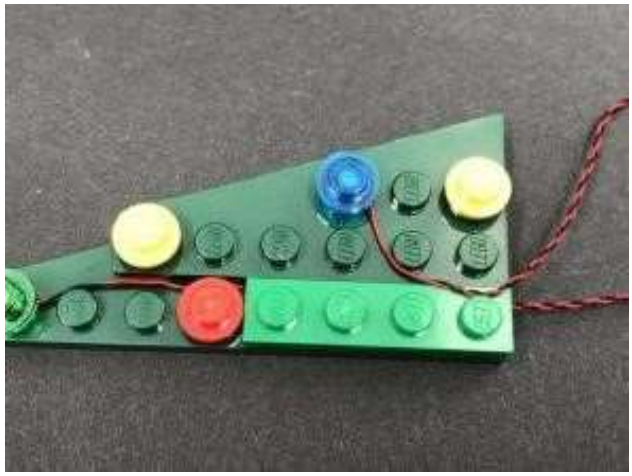
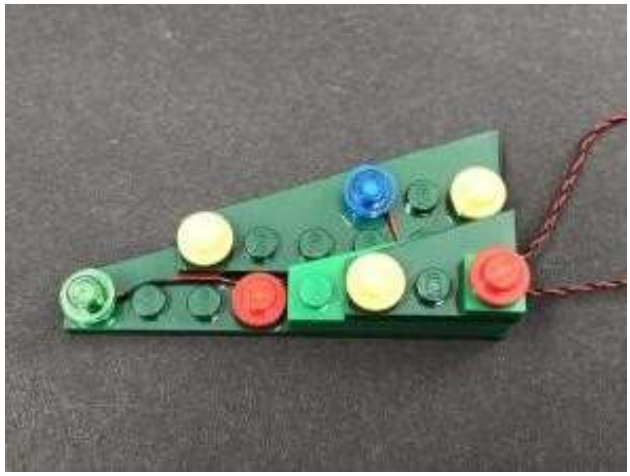
Lay the cable down toward the bottom of the tree in between studs, then reconnect the following pieces.



12.) Take another **Flashing White 15cm Bit** Light and place it over the following stud. Secure the Bit Light in place by connecting a provided **Trans Blue Round Plate 1×1** over the top.

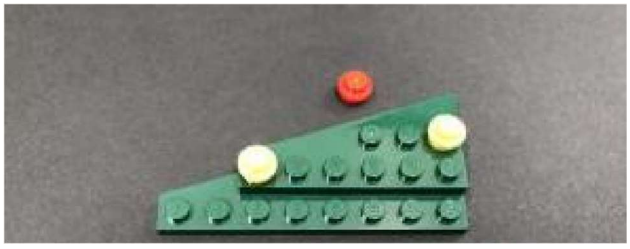


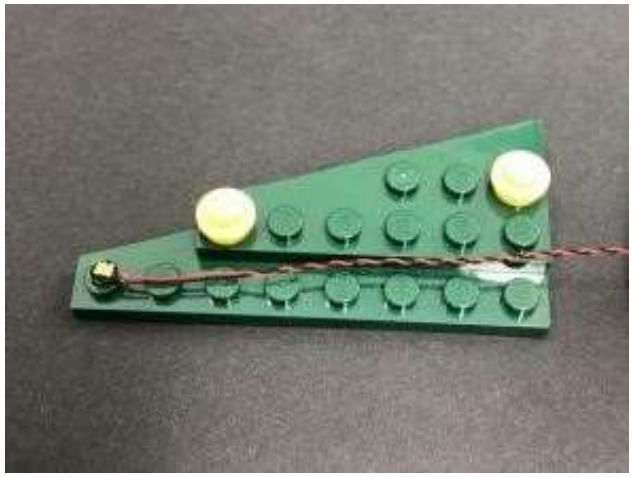
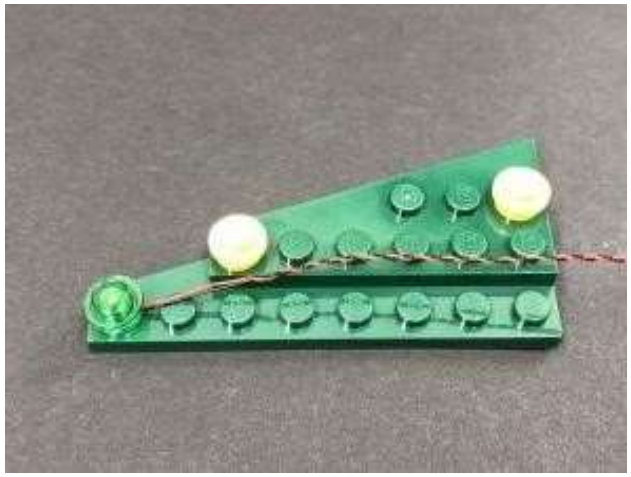
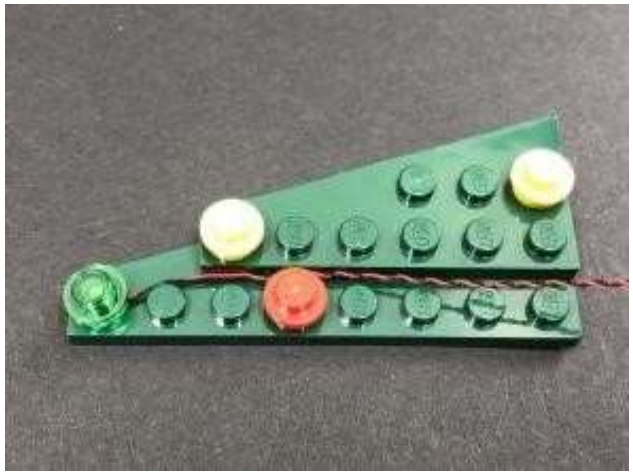
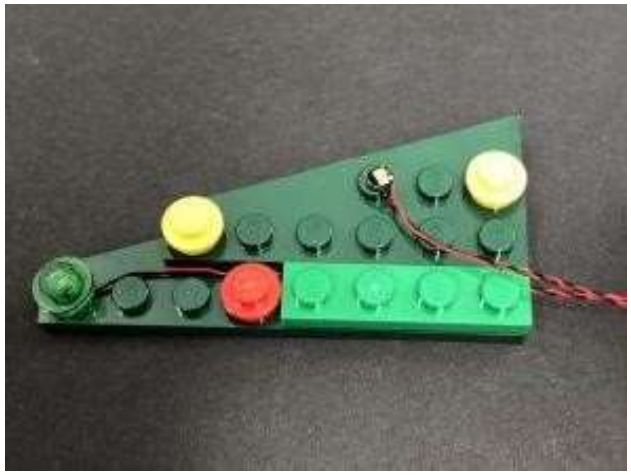
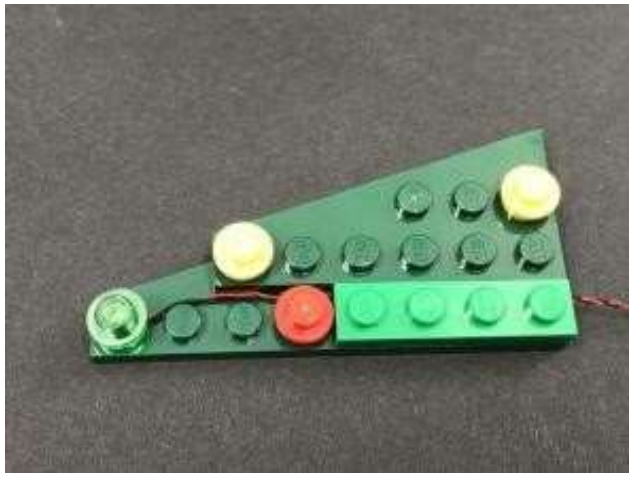
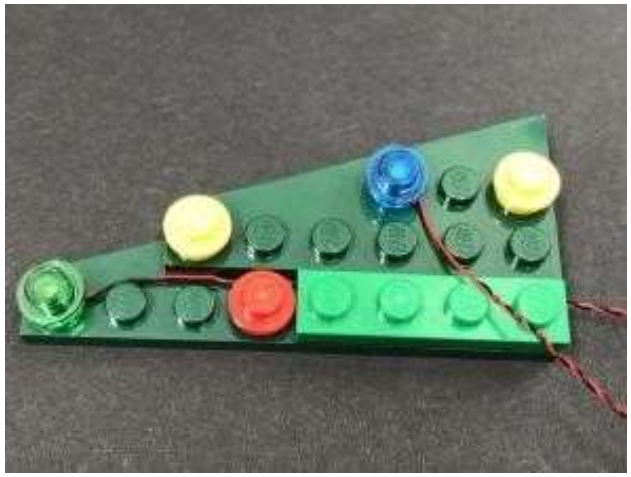
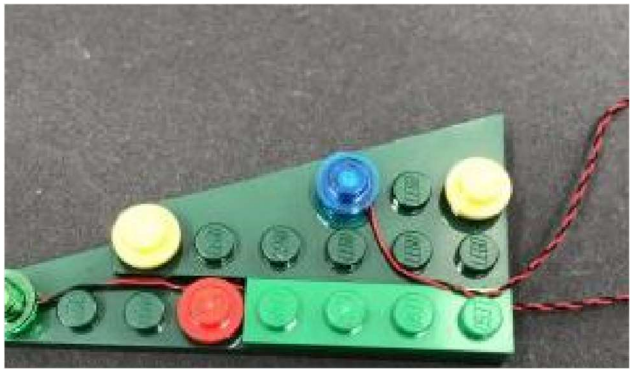
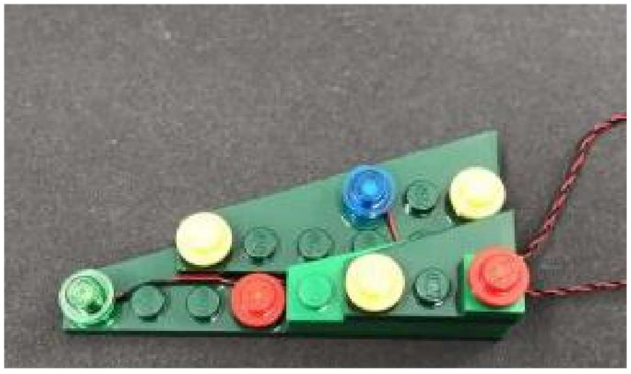
Lay the cable down toward the bottom of the tree, in between the following studs, then reconnect the following section over the top.

Reconnect this side section to the christmas tree.

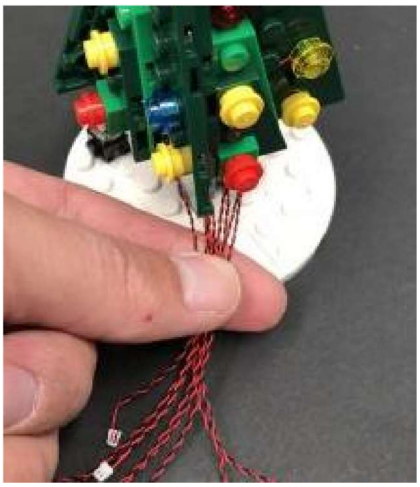
13.) Repeat the previous two steps to install another **2x Flashing White 15cm Bit Lights** to the remaining side section of the tree, securing them in place using another provided **Trans Green Round Plate 1×1** and **Trans Blue Round Plate 1×1.**



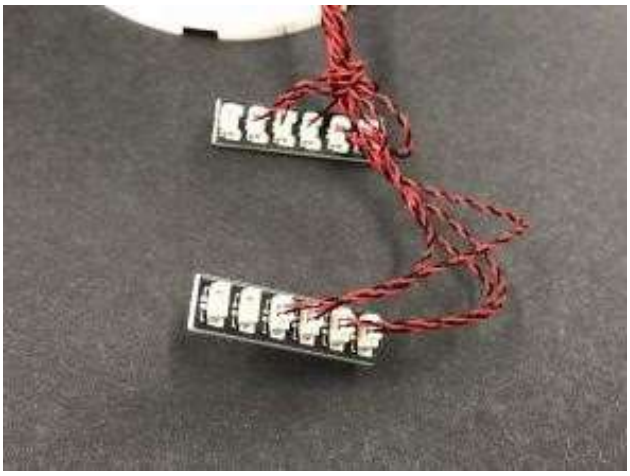









Reconnect this section to the remaining open side of the tree

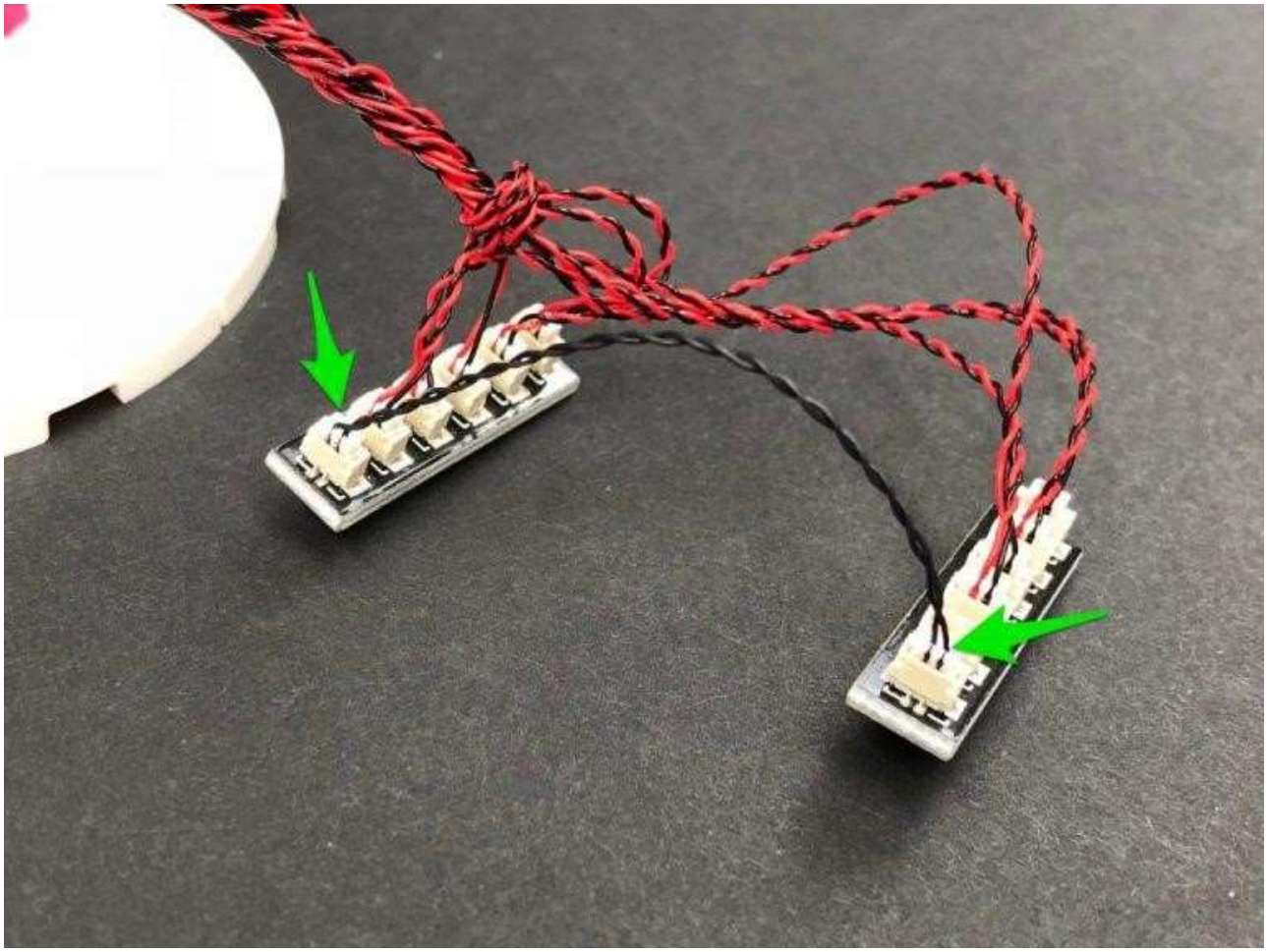
14.) Group all eight cables together behind the tree, then twist/wind the cablesaround each other so they all come together forming one larger cable.



Take **2x 6-Port Expansion Boards** and connect the five shorter cables to one expansion board, then connect the other three to the other expansion board.

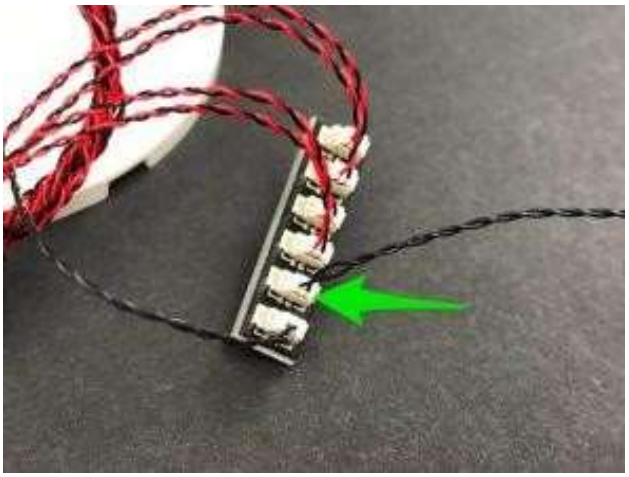


Connect the two expansion boards together using another **5cm Connecting Cable.**

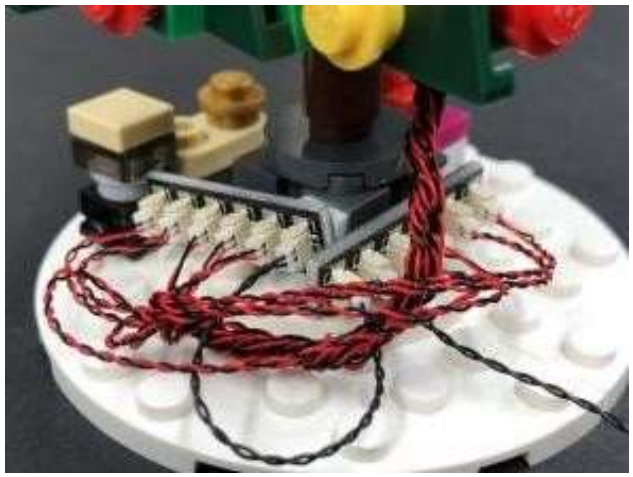


Take the **AA Battery Pack** and insert 3x AA Batteries to it. Connect the battery pack cable to a spare port on the 6-port expansion board, then turn the battery pack ON to test the christmas tree lights are working OK.

15.) Disconnect the Battery Pack cable from the expansion board and connectone end of a **50cm Connecting Cable** to it instead. Take **2x Adhesive Squares** and stick one to each side of the dark grey brick at the bottom of the christmas tree.



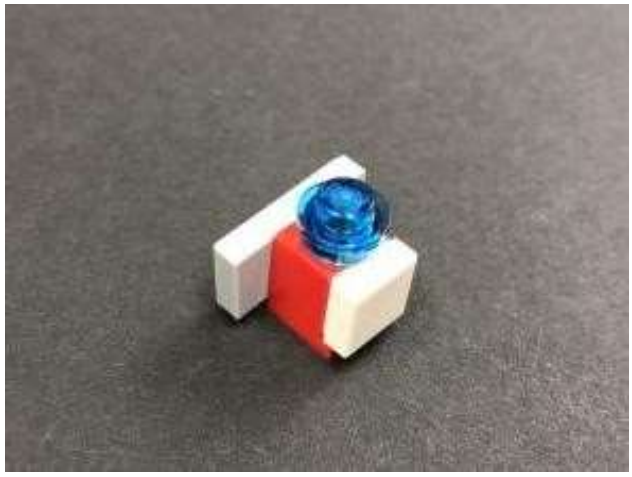
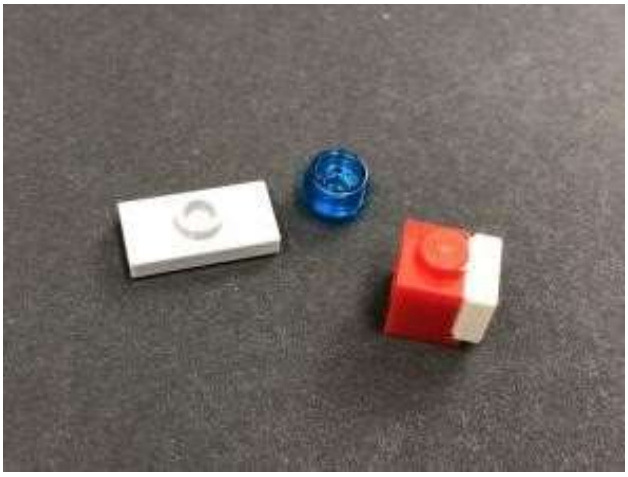
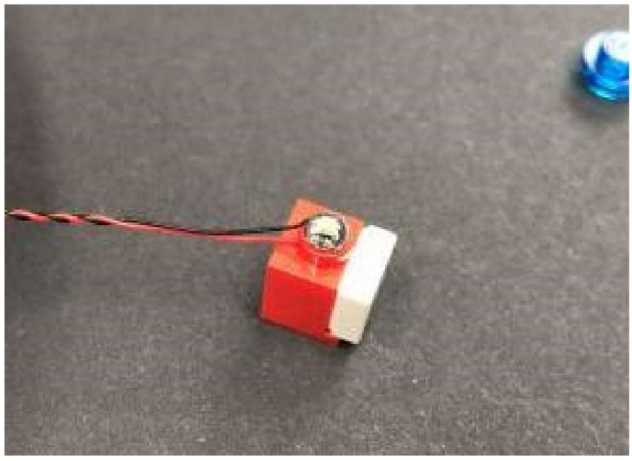
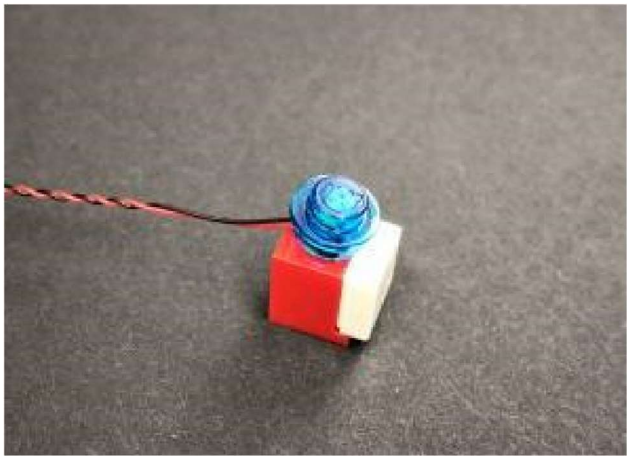
Stick both expansion boards down onto the adhesive squares then neaten up cabling by pushing them down. The components and cables should be neatly hidden behind and not too obvious from the front of the tree.



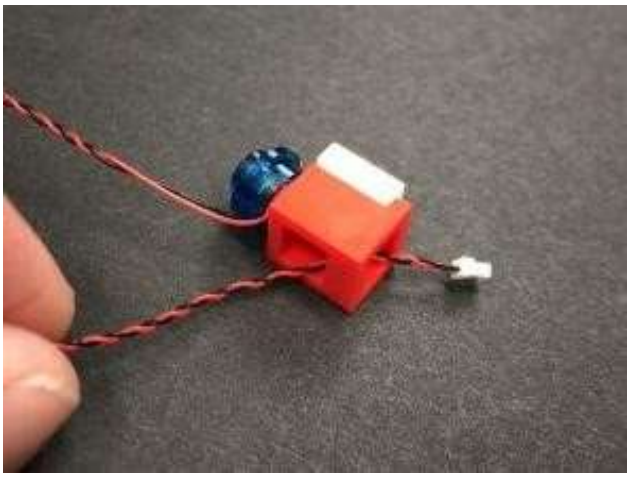
Place the tree on the right side of the Fire Station. Leave the other end of the 50cm Connecting Cable disconnected for now as we will connect it up at a later stage.

16.) We will now install lights to the Fire Station, starting with the alarm at thefront right of the building. First disconnect the roof then disconnect the alarm section including the light grey 1×2 tile with stud behind.

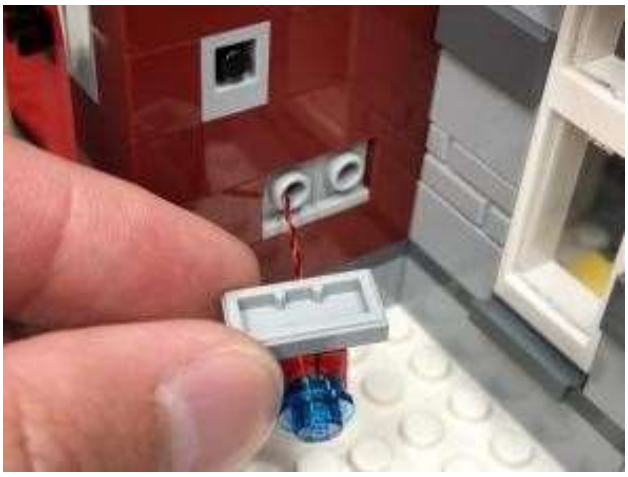
Disassemble this section as shown below then take a **Flashing White 15cm Bit Light** and with the cable facing behind, place it over the red stud. Secure the Bit Light in place by reconnecting the trans blue round plate over the top.

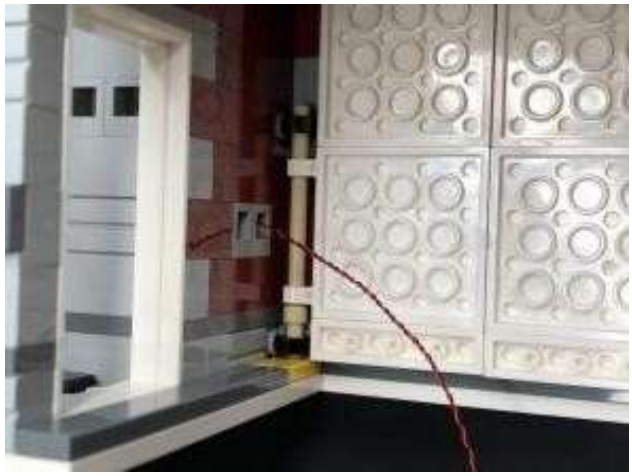





Take the other end of the bit light cable and thread it through the back of this section and then out the bottom as shown below:



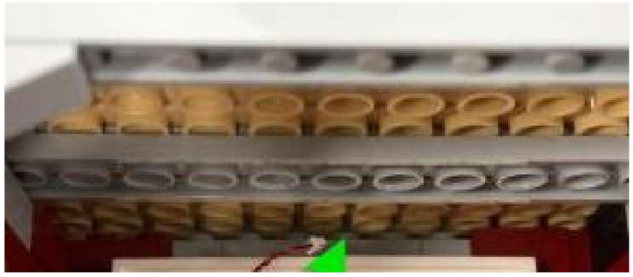
Reconnect this section back to the light grey 1×2 tile with stud then thread the cable through the left hole that leads into the inside of the Fire Station. Thread this cable all the way through then reconnect this section back to the wall ensuring the cable is laid underneath the light grey tile..

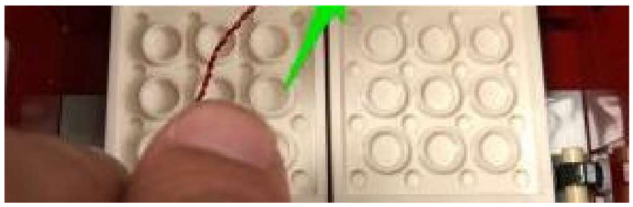
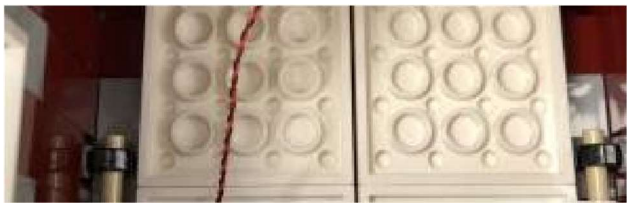




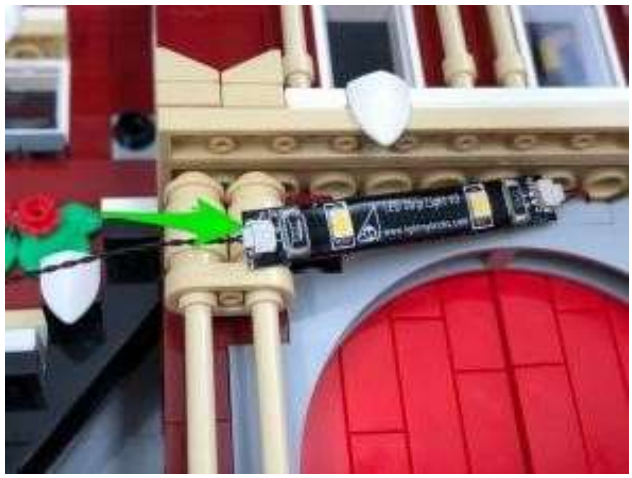
17.) We will now install a strip light just above the front entrance. Using your LEGO removal tool, create a gap above the light grey bricks as shown below:

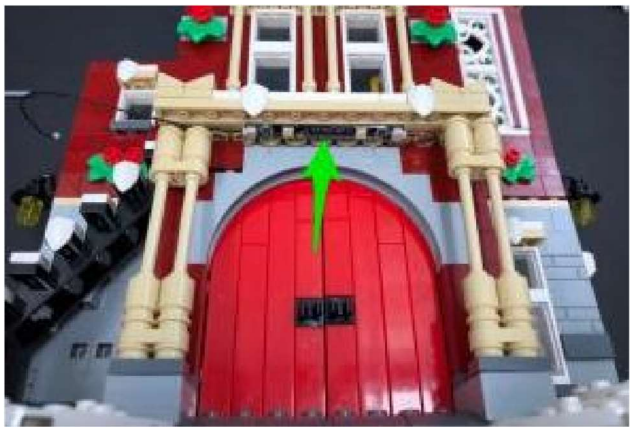
From the inside of the building, take the other end of the flashing white bit light from the alarm and thread it through the gap we just created (in between studs). Pull the cable out from front of the building and connect it to the right port on a **White Strip Light.**



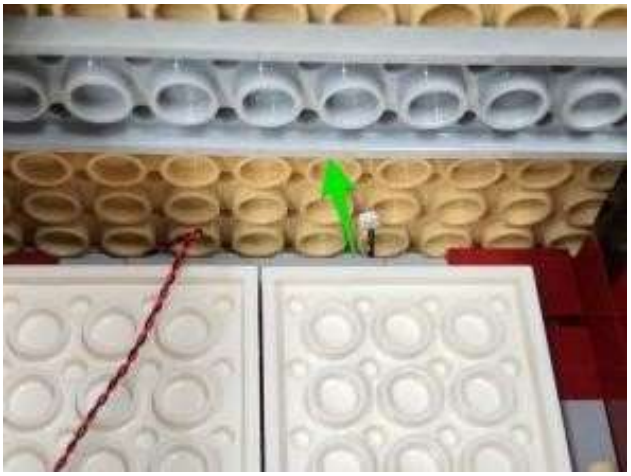
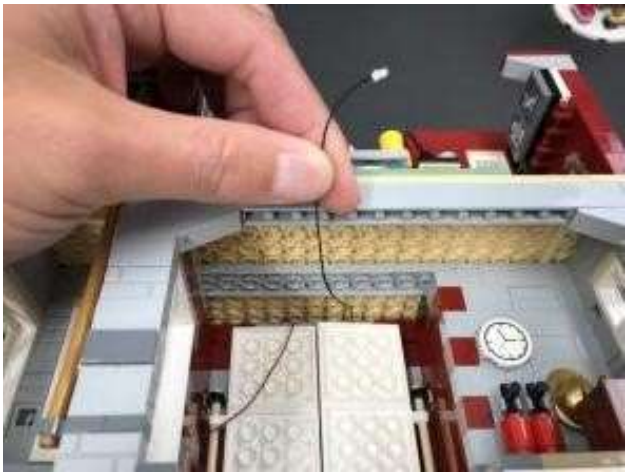



18.) Take a **15cm Connecting Cable** and connect it to the Strip Light's left port then using it's adhesive backing, stick the strip light underneath the roof just above the front door as shown below:

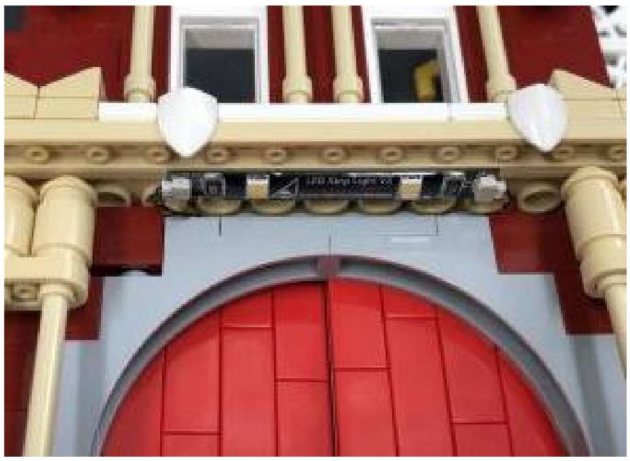




Take the other end of the 15cm connecting cable and thread it through the gap and pull it all the way out from the inside of the building.

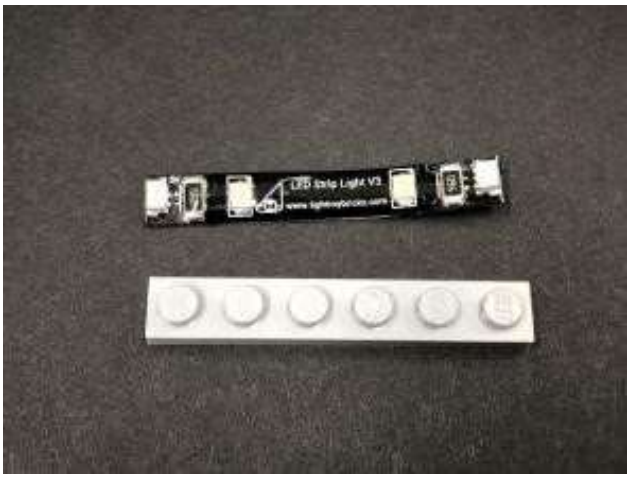



Pull the excess cable from the flashing white bit light (connected to the strip light) back inside the building then with both cables in between studs, close up the gap we created (above the front entrance).

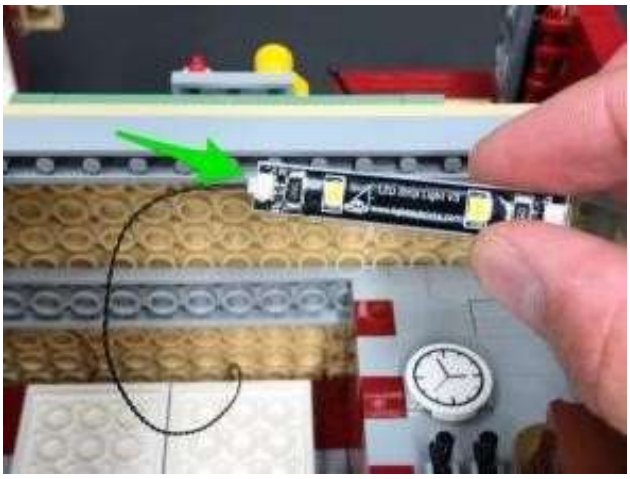
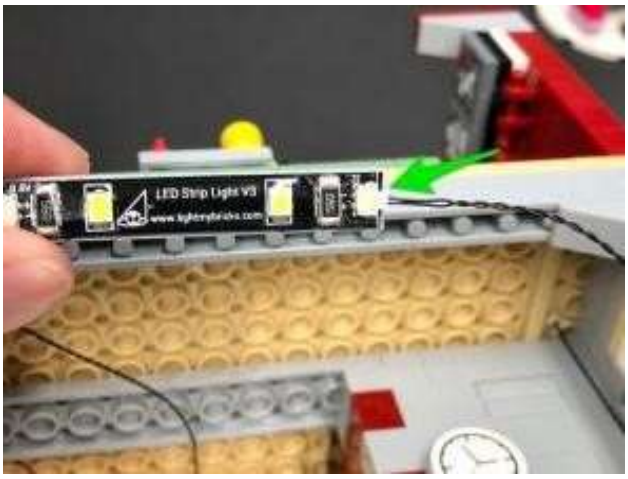


From the inside of the building tuck the excess cable from the flashing white bit light up into the top left to ensure the front doors can open without the cable getting caught.

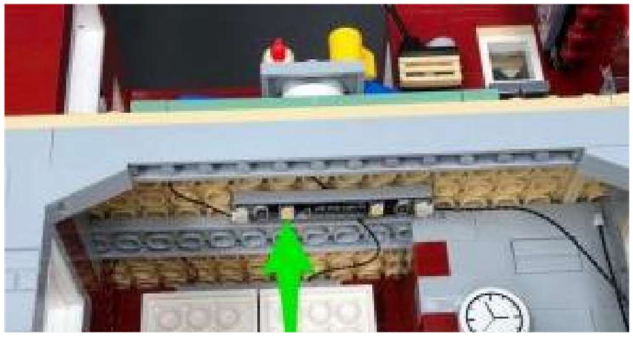
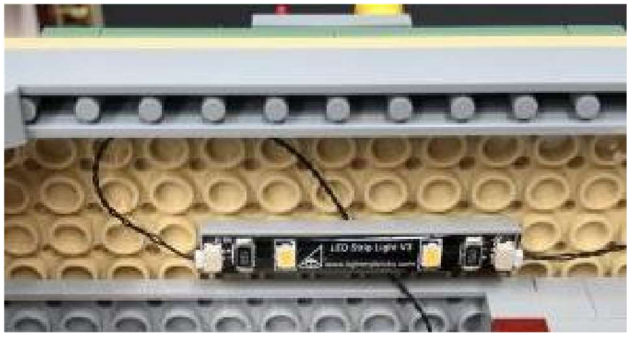
19.) Take a **White Strip Light** and using it's adhesive backing, stick it into the base of a provided **Plate 1×6**.

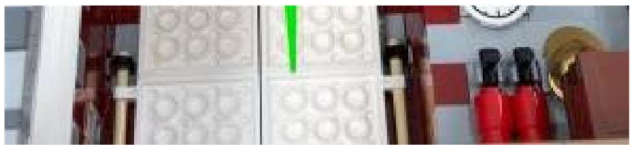


Take the other end of the 15cm Connecting Cable from the strip light out the front and connect it to this Strip Light. Take a new **15cm Connecting Cable** and connect it to the other port on the strip light.

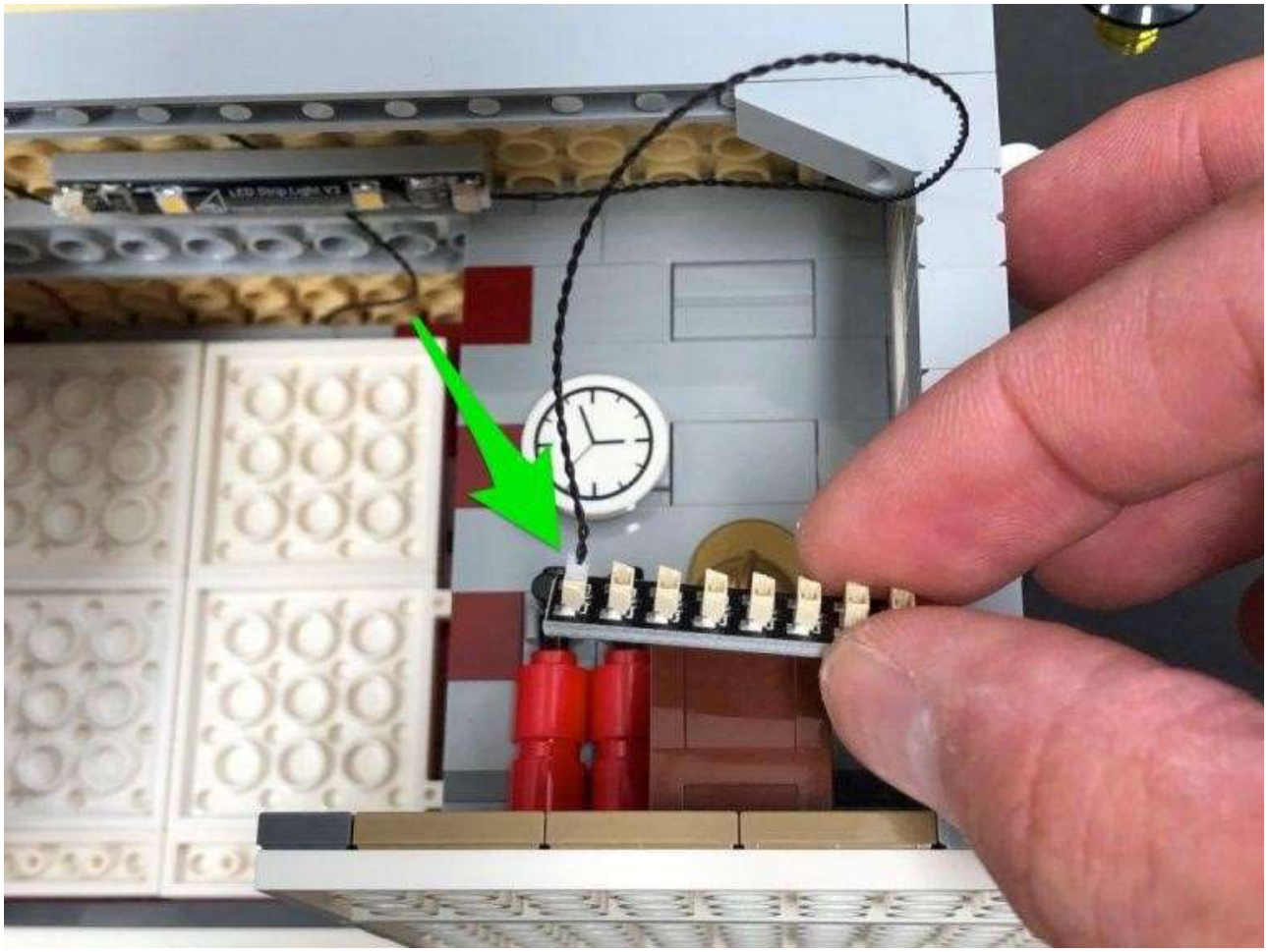



Mount the Strip Light underneath the roof inside the ground floor as shown below. Ensure the newer 15cm connecting cable is facing the right side. To eliminate excess cable in between the two strip lights, loop the cable and tuck in, underneath the strip light.

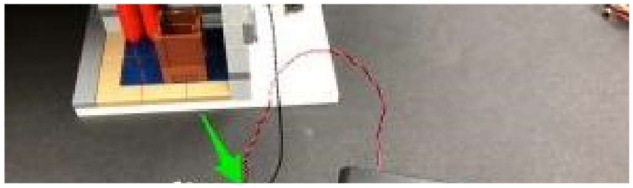
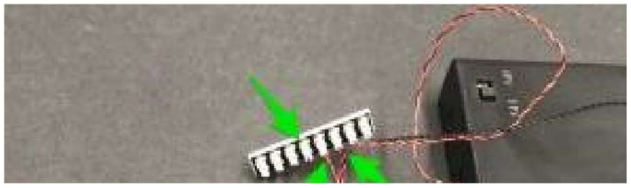



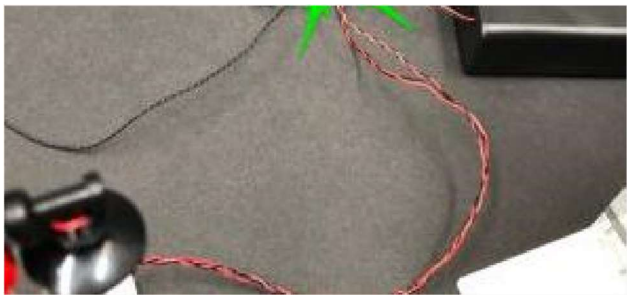


20.) Take the other end of the 15cm Connecting Cable and connect it into theend port on an **8-Port Expansion Board.**



Connect up the AA Battery Pack, the 50cm Connecting Cable from the Ice Rink, and the two Bit Light cables from the lamp post to the 8-Port Expansion Board. Turn the Battery Pack On to test that all lights installed so far are working OK

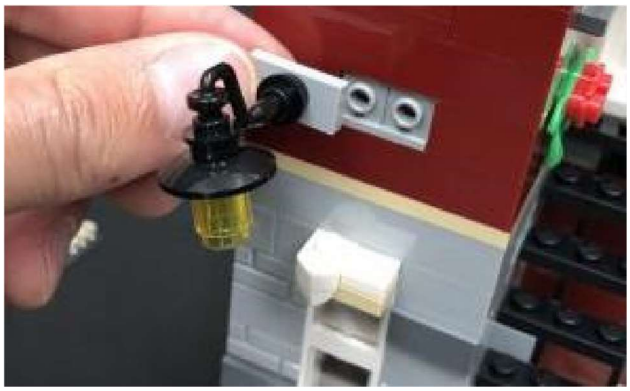


Disconnect the Ice Rink Cable, the two bit light cables from the lamp post, as well as the AA Battery Pack to allow us to easily move the building around in order to install the remaining lights.

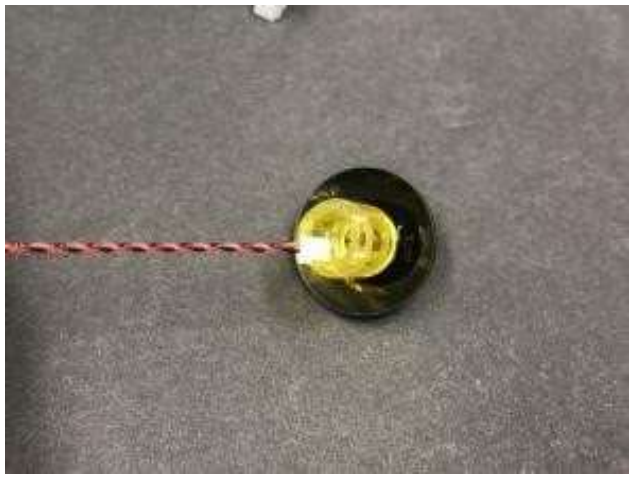
21.) We will now install a light to the lamp on the left side of the Fire Station.

First disconnect the lamp along with the light grey 1×2 tile with stud behind it.

Disconnect the trans yellow round brick and black dish.

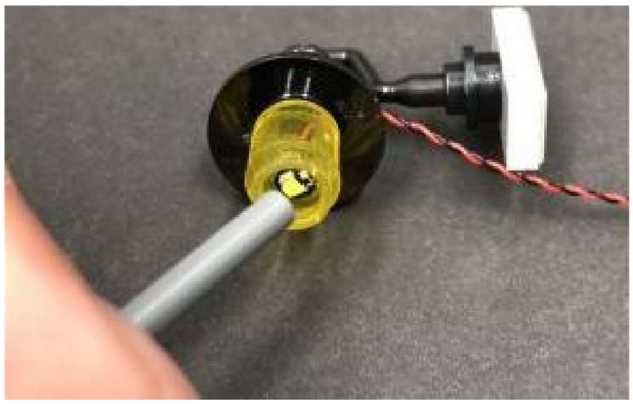


Take a **White 15cm Bit Light** and thread the connector end of the cable through the bottom of the trans yellow brick. Thread it all the way through, then slightly bend the Bit Light so that it is directly facing down before pushing the it inside the trans yellow brick. Do NOT pull the cable all the way out from the other side, instead, leave Bit Light about half a centimetre from the top of the inside of the brick.

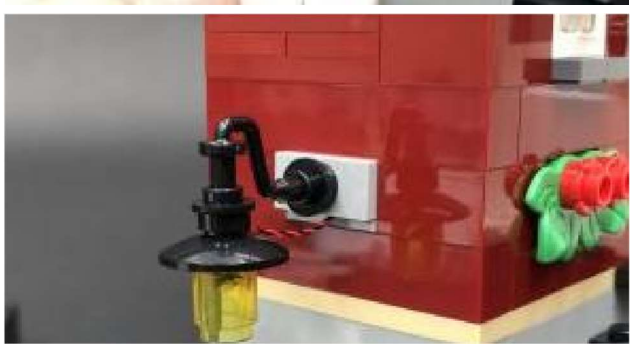


Carefully reconnect the lamp back to the bracket piece but **do NOT forcefully push** the bracket piece all the way down otherwise it may snap the bit light cable, instead, leave the bracket piece about half a centimetre out.

Use one of the LEGO tool pieces to push the Bit Light right up inside the trans yellow round brick.

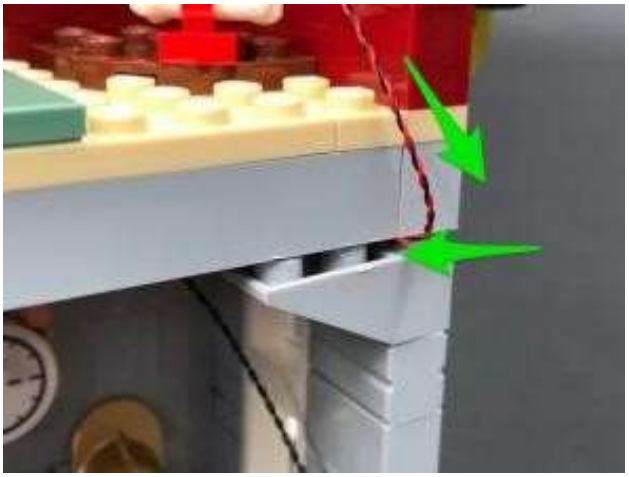


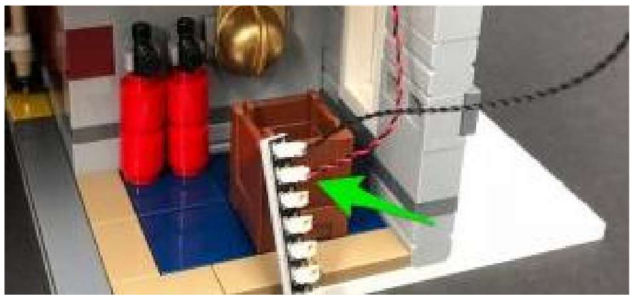
22.) Thread the connector side of the Bit Light all the way through the left holeof the building before reconnecting the lamp ensuring the cable is laid underneath the light grey tile.



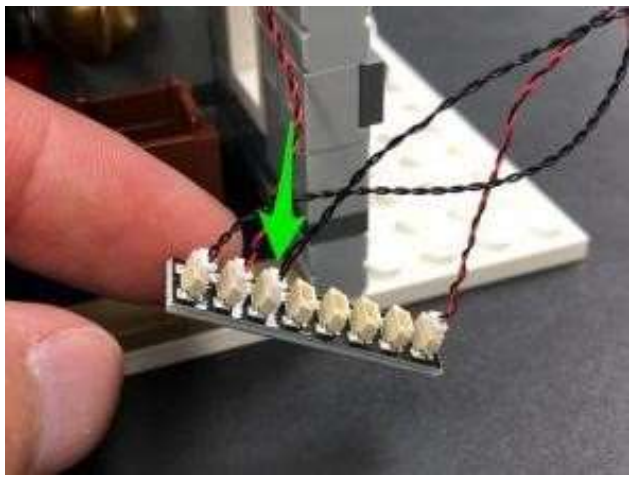
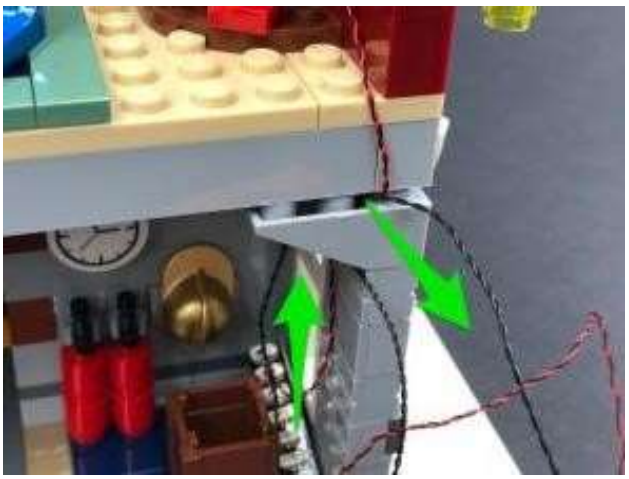
23.) Turn the building around to the back, then using your LEGO removal tool,create a gap in between floors as shown below:

Bring the cable from the lamp down the side of the building and slip it through the gap in between the far right stud. Pull the cable down from the inside to eliminate any excess cable, then connect the Bit Light to the 8-port Expansion Board underneath. Connect up the AA Battery Pack to the expansion board again and turn it ON to test the lamp is working OK.

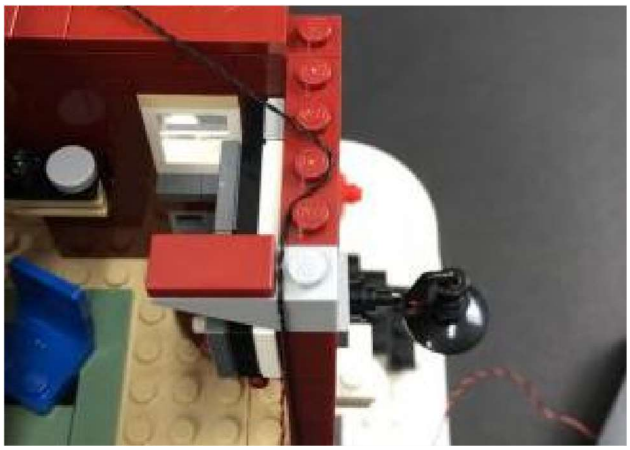




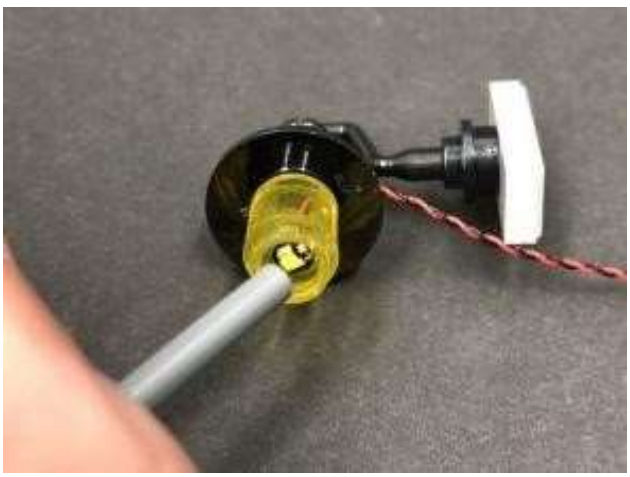
24.) Take a **30cm Connecting Cable** and connect one end to the 8-Port Expansion Board. Bring the other end of the cable out and slip it in between the gaps (where the lamp bit light cable is), secure both cables in place by reconnecting the floors to close up the gap.

Bring the 30cm Connecting Cable up the right side of the building then secure it in place by laying the cable in between studs underneath the red tile as shown below:

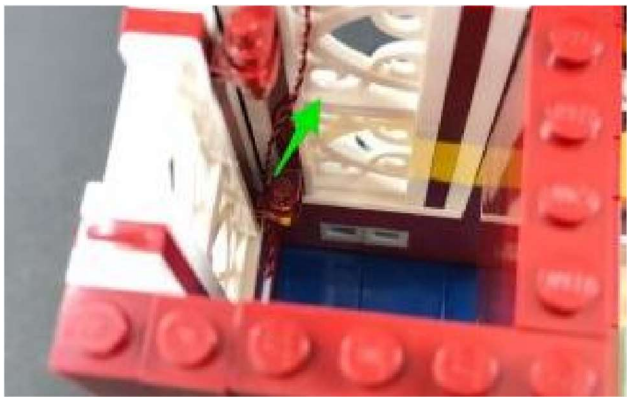
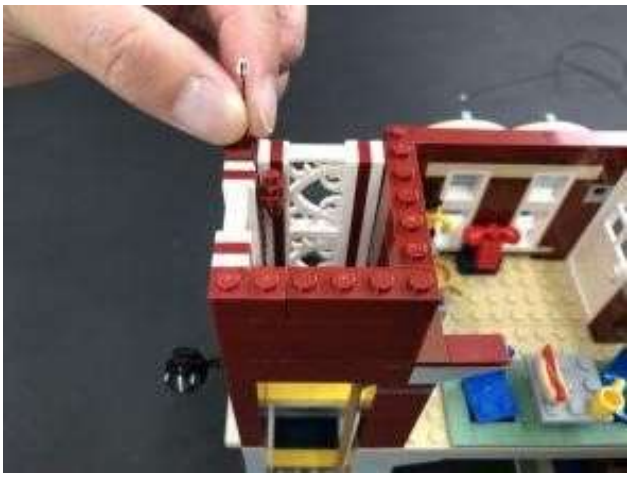
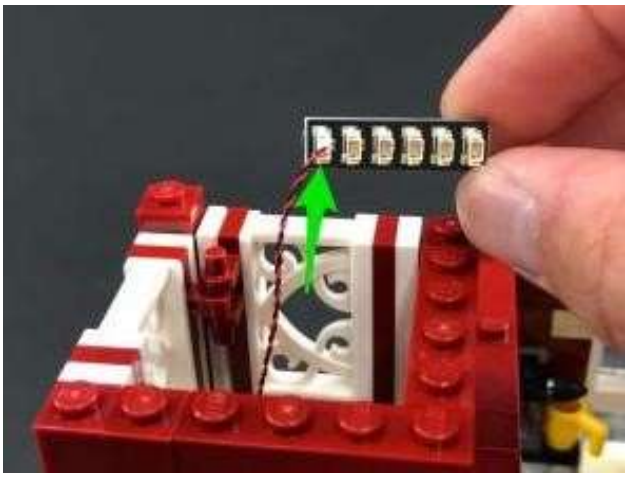


25.) We will now install a light to the lamp on the right side of the building. Firstdisconnect the lamp along with the light grey 1×2 tile with stud behind it. Disconnect the trans yellow round brick and black dish. Follow steps 21 – 22 to install another **White 15cm Bit Light** to this lamp section, then reconnect it to the building. Remember to take extra caution when reconnecting the bracket piece back to the lamp. **Do NOT forcefully push** the bracket piece all the way down otherwise it may snap the bit light cable, instead, leave the bracket piece about half a centimetre out.

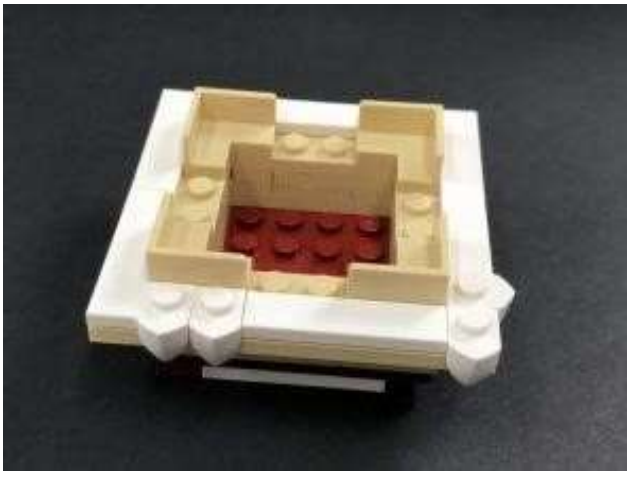
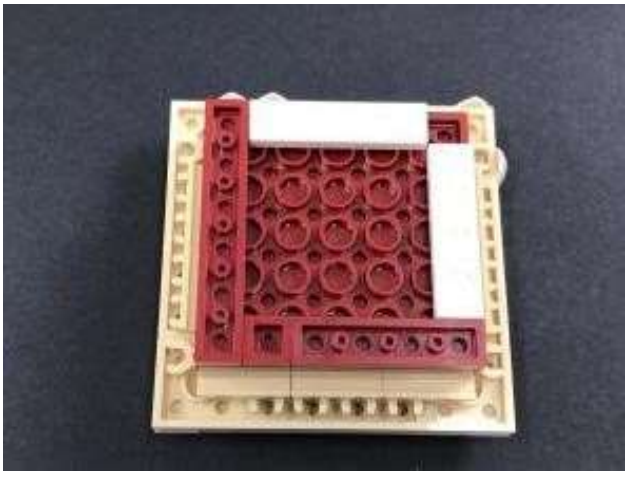
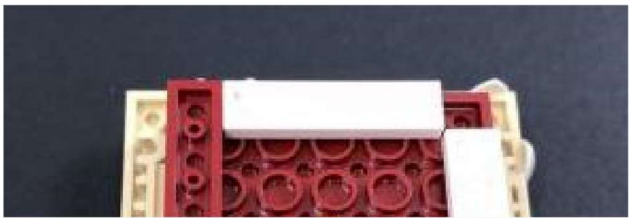
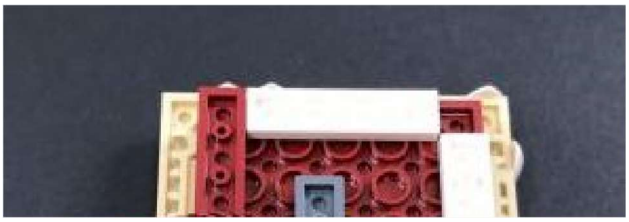


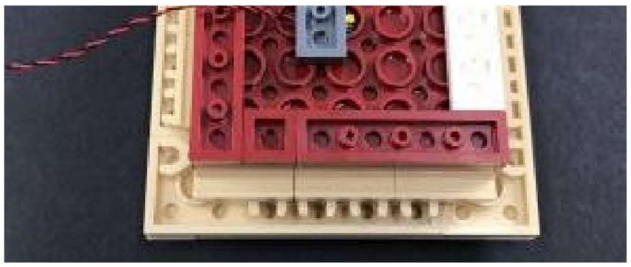
26.) Use the LEGO Removal Tool to disconnect the roof off the right section ofthe building.

Thread the Bit Light cable from the lamp up the tower through the corner gaps, then pull it all the way up to the top. Connect the cable to a new **6-Port Expansion Board.**

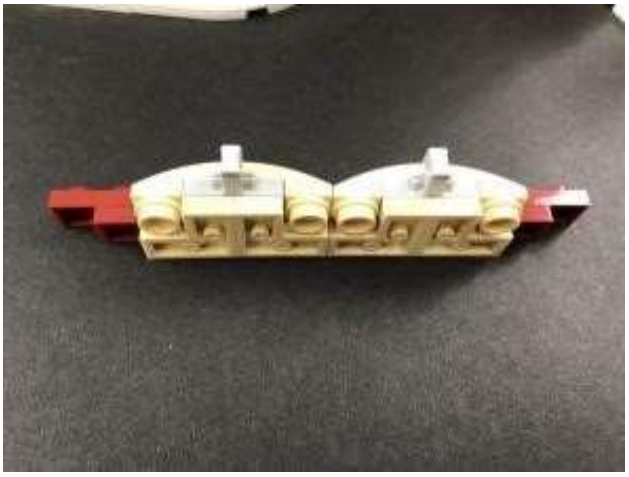
27.) Take the roof that we just disconnected and flip it over so we can accessunderneath. Take a **White 15cm Bit Light** and with the cable facing toward the left, place it inside the centre hole. Secure the Bit Light in place by connecting a provided **Plate 1×2** over the cable. The Bit Light should be peaking out the right side of the plate as shown below.

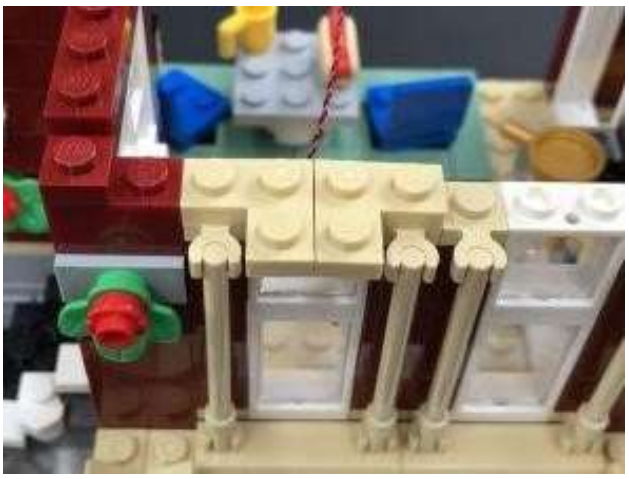


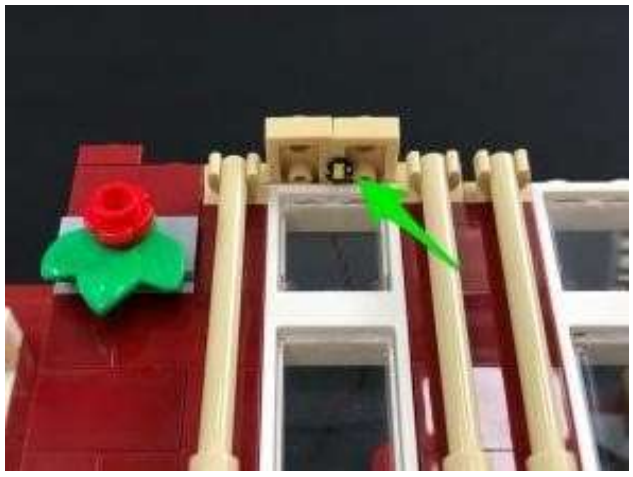
Leave this section for now as we will reconnect it at a later stage.

28.) We will now install some lights above the front windows. First, turn the setaround to the front and disconnect the following tiles and sections as per below, then disconnect pieces from the large main section.

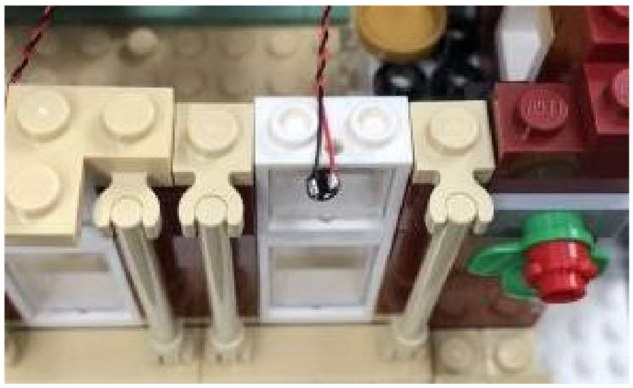
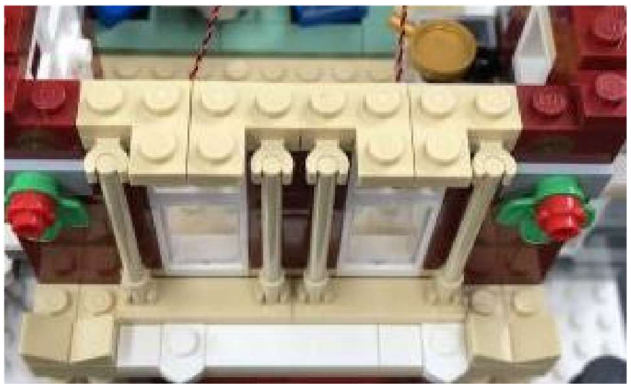


29) Take a **White 15cm Bit Light** and with the bit light facing down and cable facing toward the inside of the building, place it over the edge of the left window in between white studs. Secure the Bit Light in place by reconnecting the two L shaped plates. If you look from underneath, you should be able to see the Bit Light peaking out just over the top of the window.



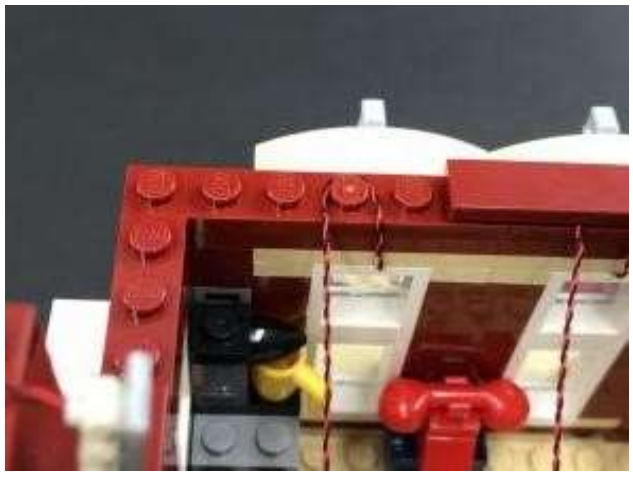


Repeat this step to install another **White 15cm Bit Light** to the window on the right then reconnect surrounding pieces, except for the tiles.

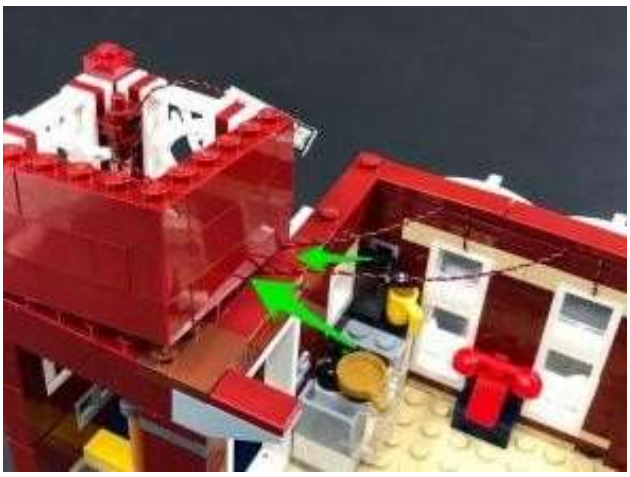



30.) Turn the building around and from the inside of the set, lay the cable fromthe right around the stud above, then secure it down by reconnecting one of the red tiles.

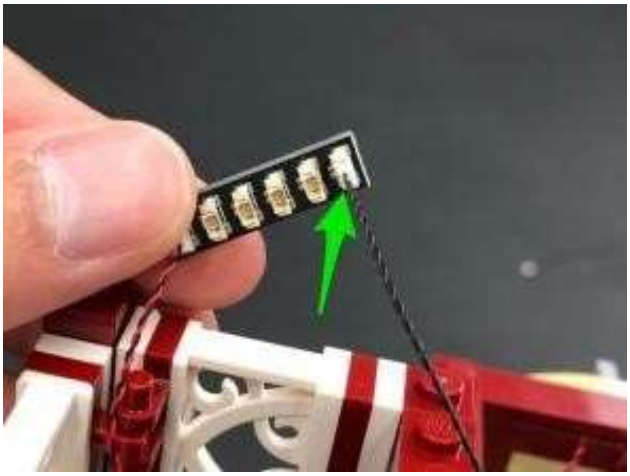
Repeat this step for the cable on the left.

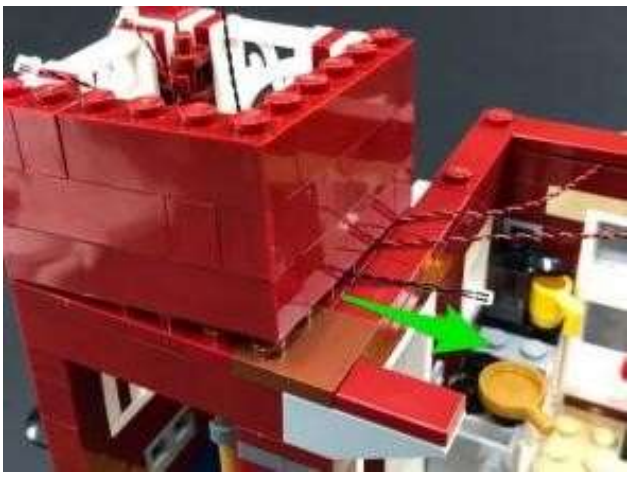


31.) Use the LEGO Removal Tool to create a gap to the upper section of the lefttower, then thread both cables from the windows through this gap.

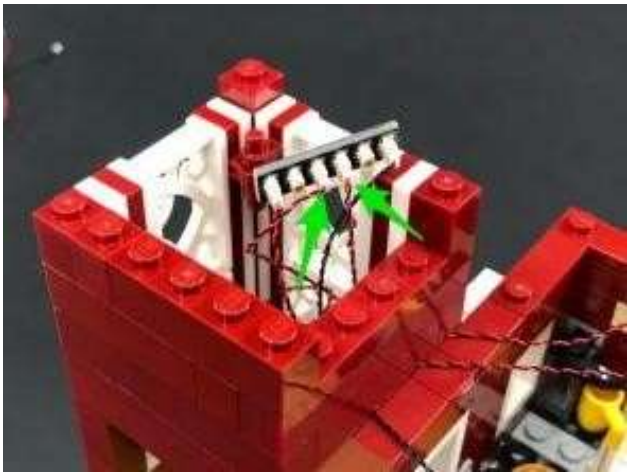
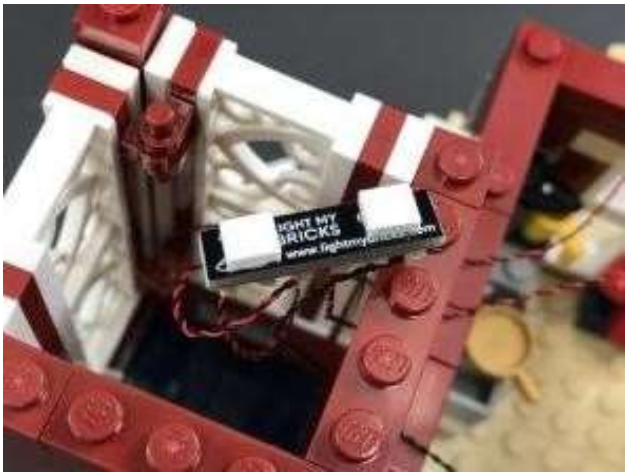
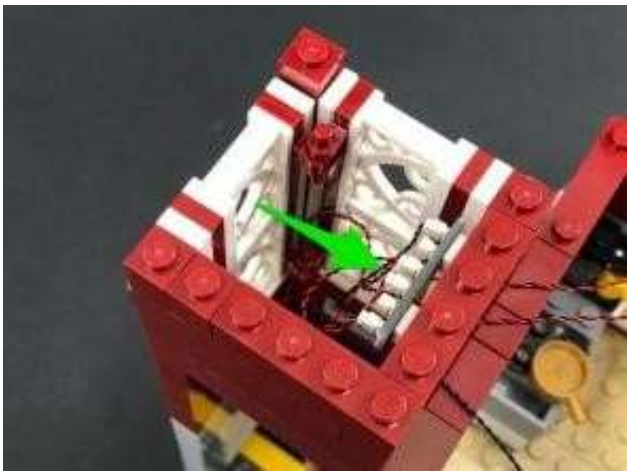
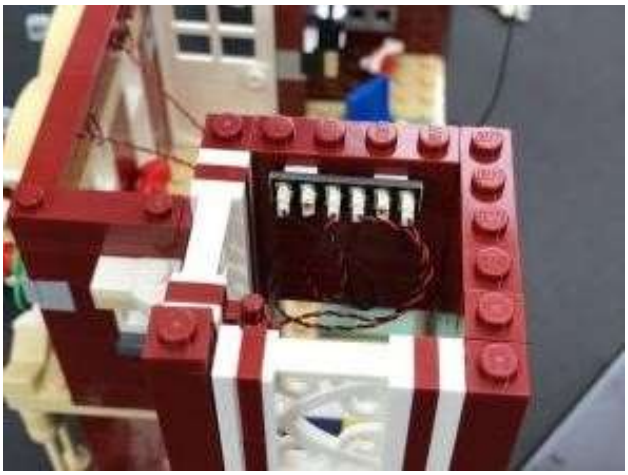


32.) Take a **15cm Connecting Cable** and connect one end to the 6-port expansion board inside the left tower. Thread the other side of the cable through the gap we created in previous step. Pull the cable through from the other side then reconnect the wall to close up the gap and secure the cables (ensuring cables are laid in between studs).

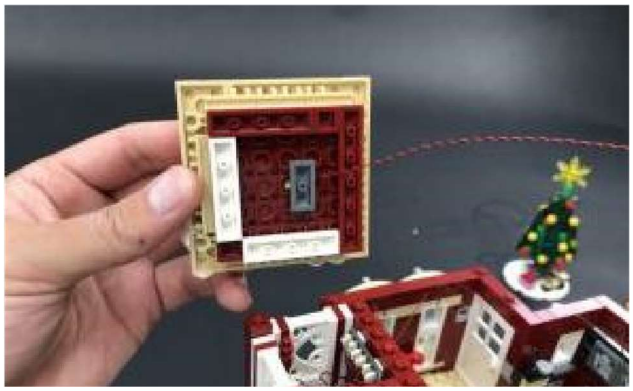


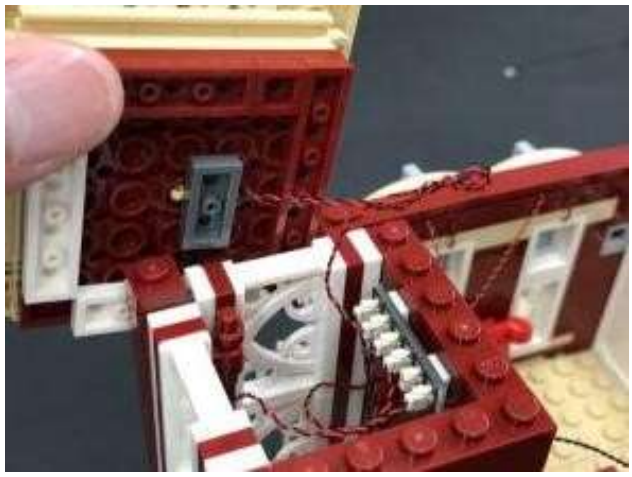
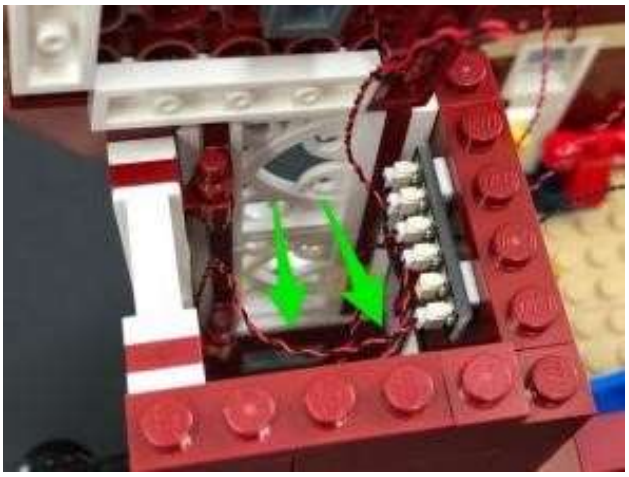
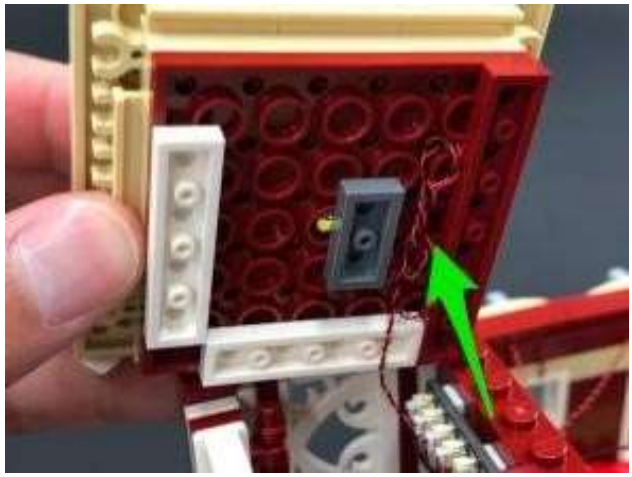


Connect both window light cables to the expansion board then take **2x Adhesive Squares a**nd stick them to the back of the expansion board to mount it on the inside of the tower as shown below:

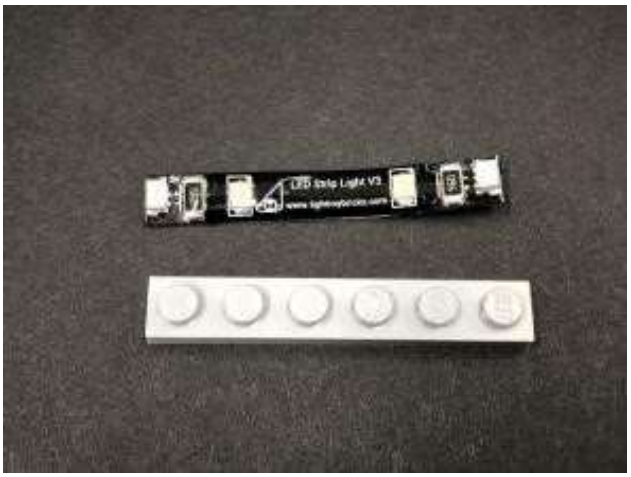





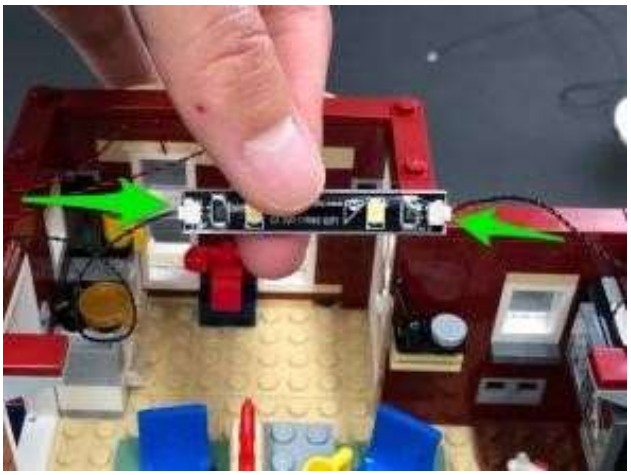
33.) Take the tower roof we installed a Bit Light to in step 27 and bring it overthe tower. Connect the Bit Light cable to the expansion board then wind/twist/fold the excess cable to neaten everything up. Tuck the excess cable toward the sides of the tower as well as up inside underneath the roof before securely reconnecting the roof.



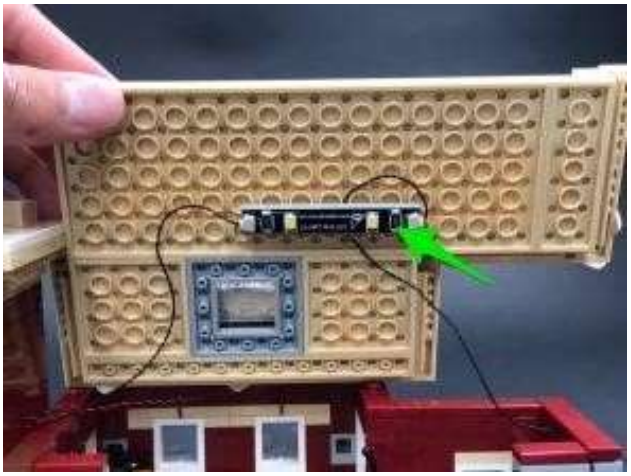




34) Take the main roof section and flip it over. Take the remaining **White Strip Light** and using it's adhesive backing, stick it to the base of the remaining LEGO **Plate 1×6.** Take the 15cm Connecting Cable from the left tower and connect it to the left port on the strip light. Take the 30cm Connecting Cable from the right side of the building and connect it to the right port on the Strip Light.



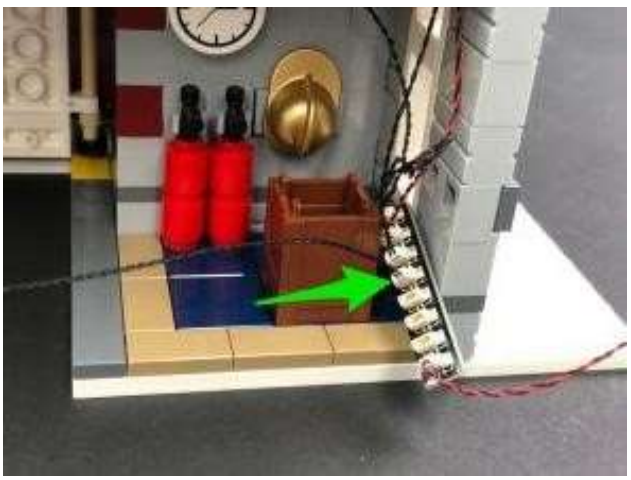


Take the main roof section above the building and mount the Strip Light underneath in the below position. Eliminate excess cable by looping them underneath the strip light's LEGO plate as shown below then securely reconnect the roof back on top of the building.

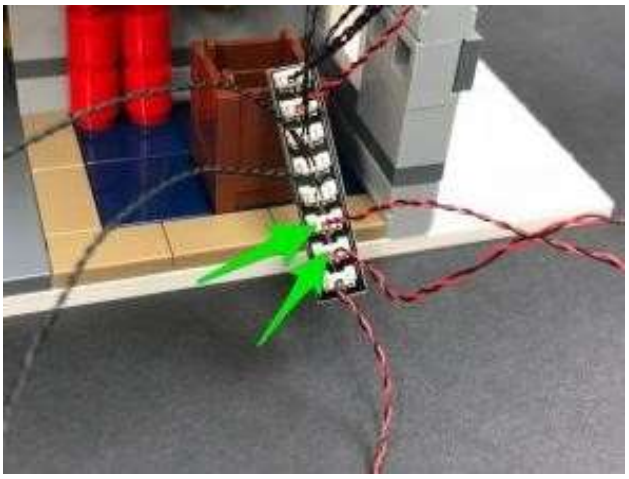


Turn the Battery Pack ON to test that all lights we have installed to the building are working OK.

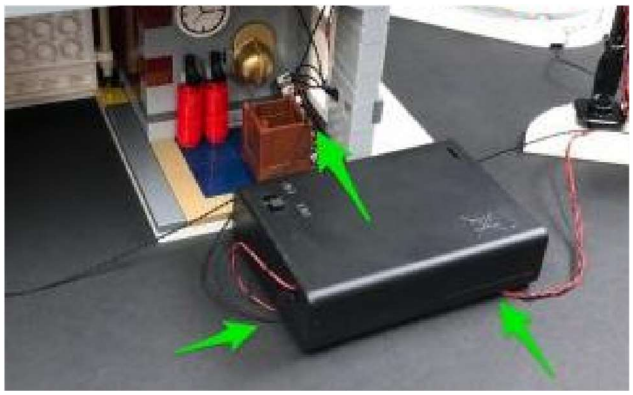
35.) We can now reposition the Christmas Tree on the right side of the building. Take the 50cm Connecting Cable from this section and bring it around the back to connect to the 8-Port Expansion Board on the inside right side.



Reposition the Ice Rink and Lamp Post sections on the left side of the building and then reconnect all cables to the 8-Port Expansion Board.



Lastly, neaten up all cables, then tuck in the 8-Port Expansion Board inside the building behind the tool box. Neatly Place the AA Battery Pack behind and you're done!



This finally completes installation of the Light My Bricks Winter Village Fire Station Light Kit.

We hope you enjoy and we thank you for purchasing this product.