LIGHT MY BRICKS: LEGO Old Trafford Manchester United 10272 Lighting Kit

The following page is the instructions for the Light My Bricks LEGO Old Trafford – Manchester United (10272) LED light kit.

If you run into any issues, please refer to the online 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:

- 12x **White Strip Lights**
- 4x **Blue Strip Lights**
- 2x **Blue 30cm Bit Lights**
- 4x **White 15cm Bit Lights**
- 3x **2-Port Expansion Boards**
- 1x **6-Port Expansion Board** 1x **8-**
- **Port Expansion Board**
- 10x **5cm Connecting Cables** 8x **15cm**
- **Connecting Cables**
- 2x **30cm Connecting Cables**
- 1x **USB Power Cable**

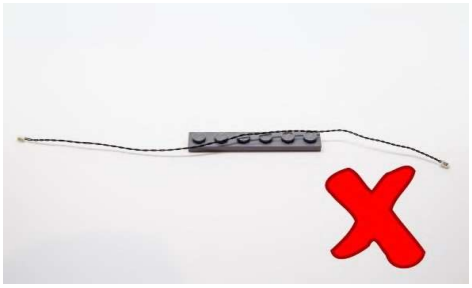
LEGO Pieces:

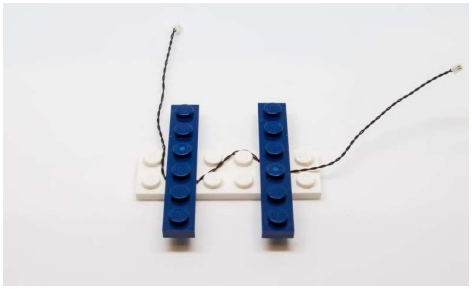
- 4x **Round Plate 1×1 with Open Stud (Black)**
- 4x **Black 1×1 Modified Plate Rounded with Handle**
- 4x **Arm Skeleton, Bent with Clips at 90 degrees (Any Colour)**

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.

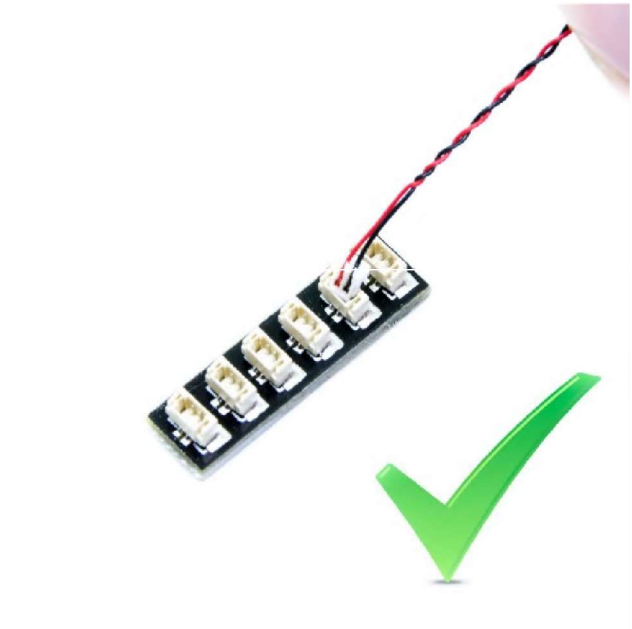




CAUTION: Forcing LEGO® to connect over a cable can result in damaging the cable and light.

Connecting cable connectors to Expansion Boards

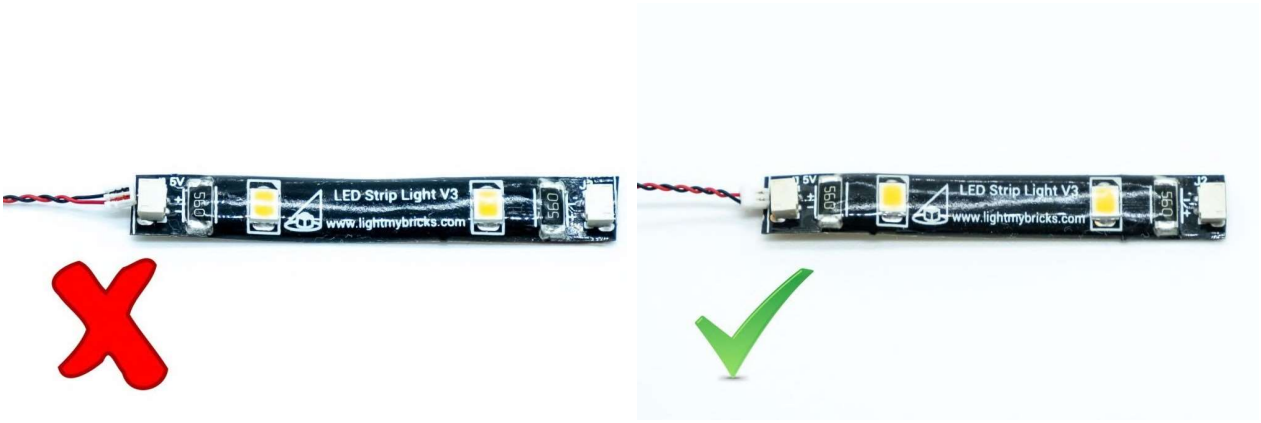
Take extra care when inserting connectors to ports of Expansion Boards. Connectors can be inserted only one way. With the expansion board facing up, look for the soldered “=” symbol on the left side of the port. The connector side with the wires exposed should be facing toward the soldered “=” symbol 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.

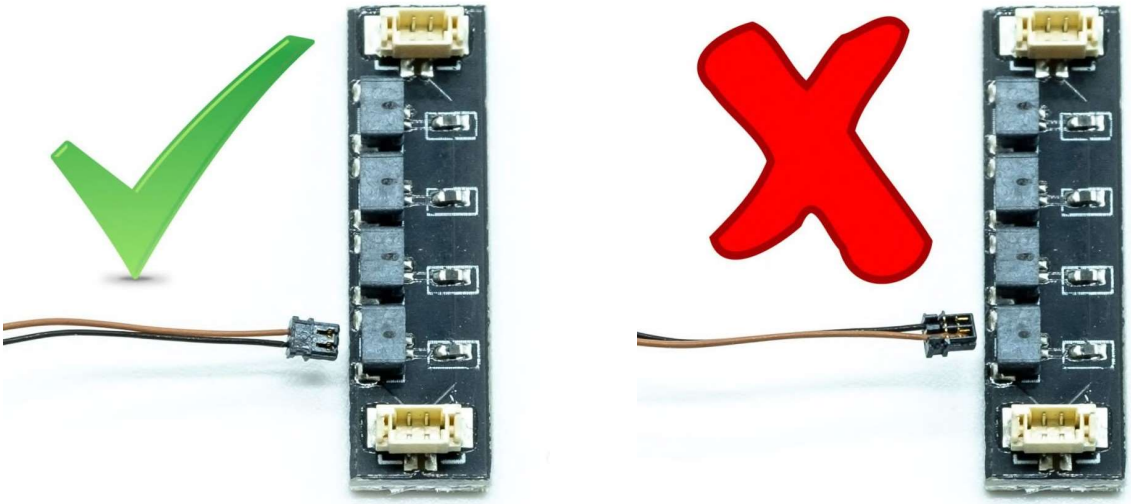
Connecting cable connectors to Strip Lights

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.



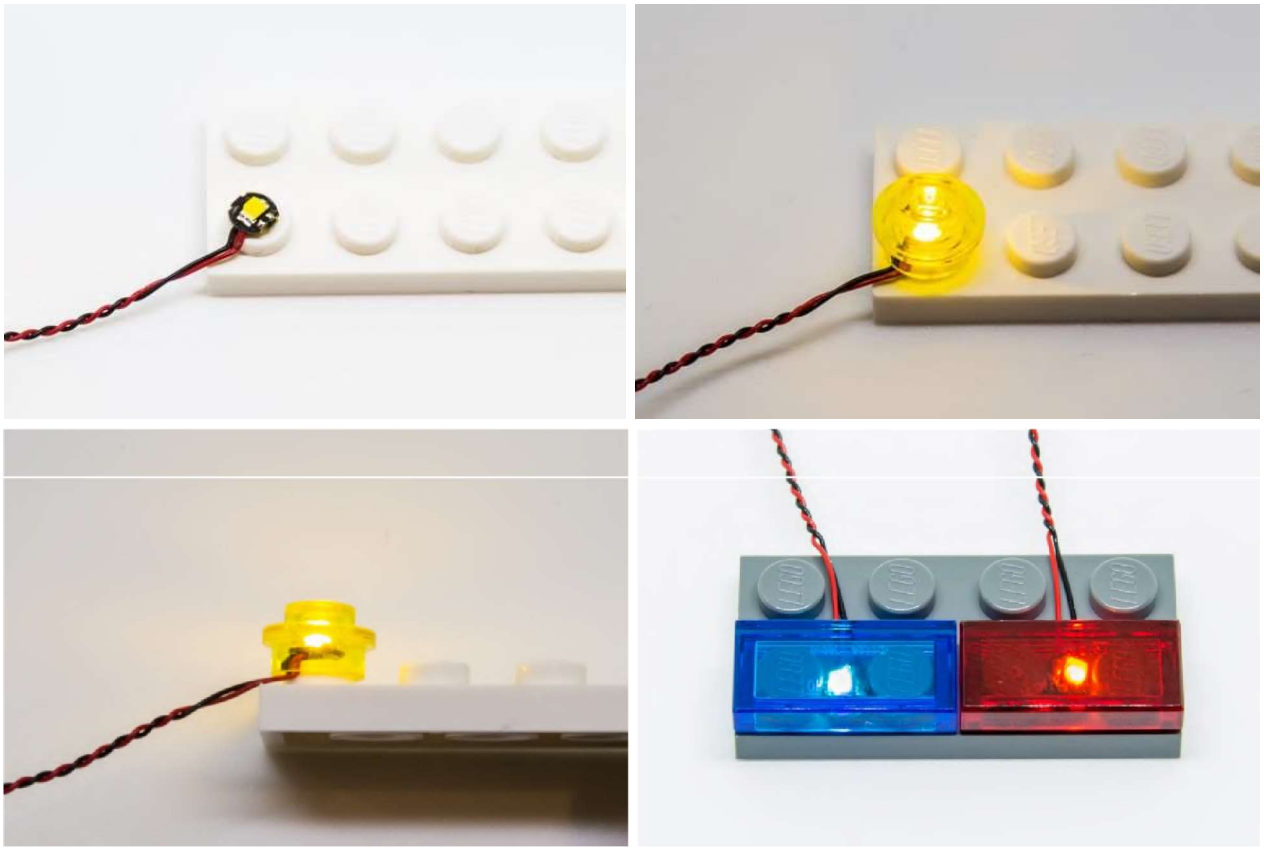
Connecting Micro Cable connectors to Micro Expansion Board Ports

Take extra care when inserting the micro connectors to micro ports of Micro Expansion Boards.
Connecting Micro Bit Lights to Micro Expansion Boards is similar to connecting lights and cables to Strip Lights. With the expansion board 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, do not force it. Use your fingernail to push the plastic part of the connector to the micro port.



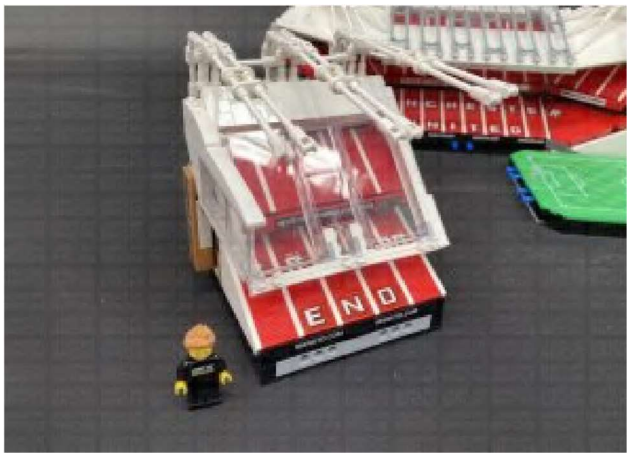
Installing Bit Lights under LEGO® bricks and plates.

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.

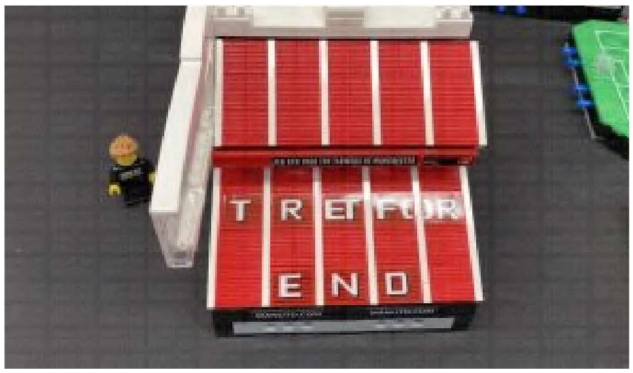


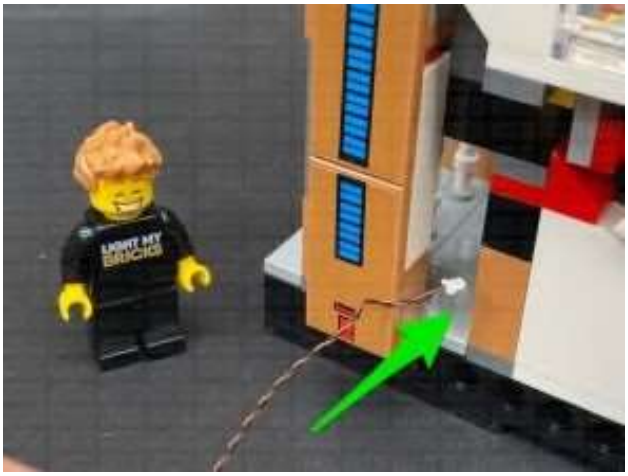
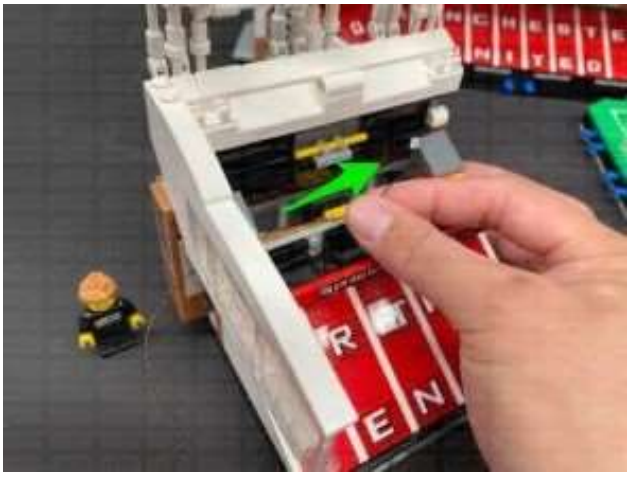
OK, Let’s Begin!

1.) We will start by installing lights to the left section of the stadium. Firstdisconnect all the main sections, then take the left section and disconnect the roof via the railing clips towards the inside.



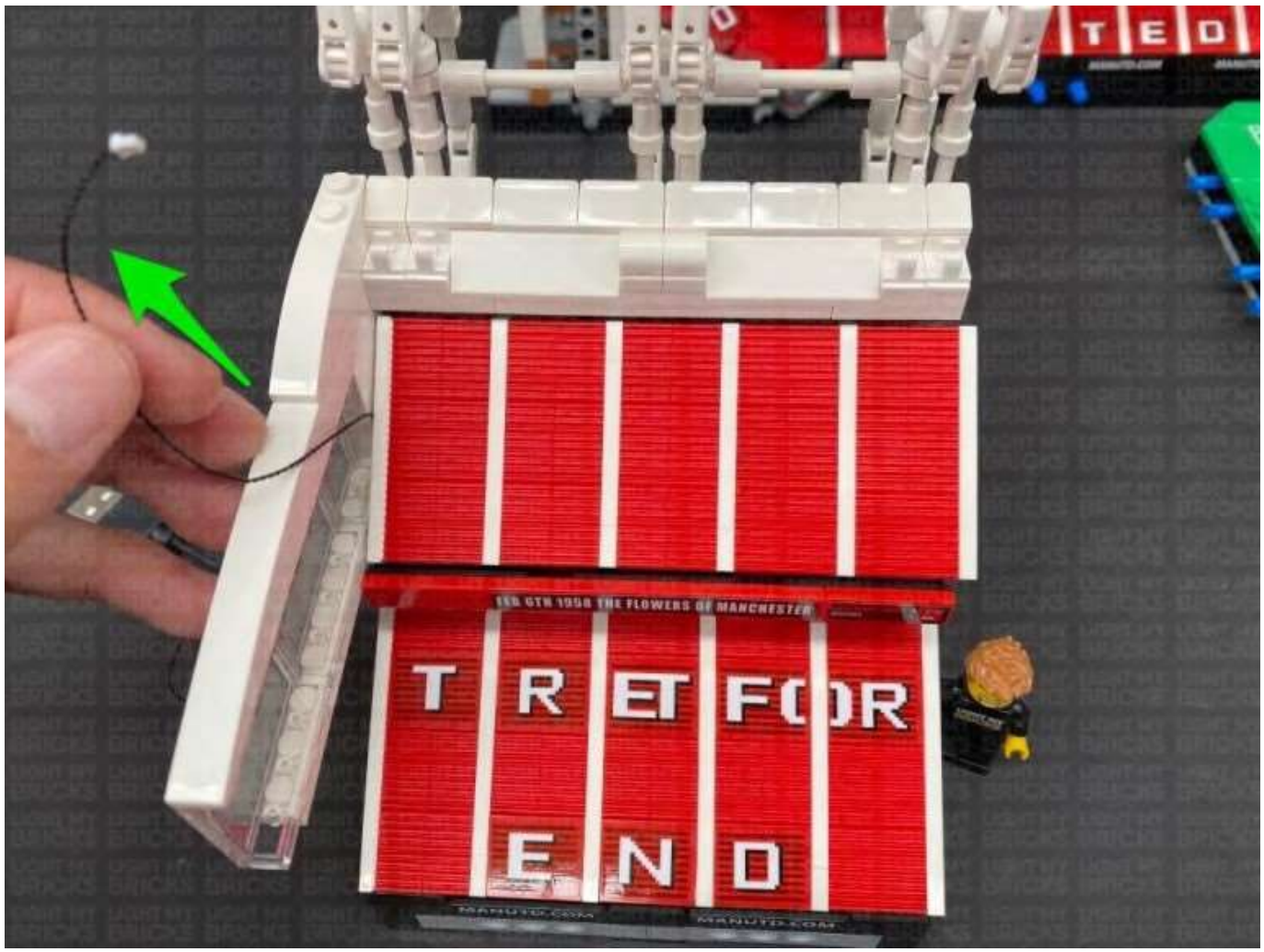
2.) Disconnect the top section of seats, then take out the **USB Power Cable** and thread the connector end of the cable through the left space. Pull the cable in through the inside where the seats were connect to and connect it to a **White Strip Light.**



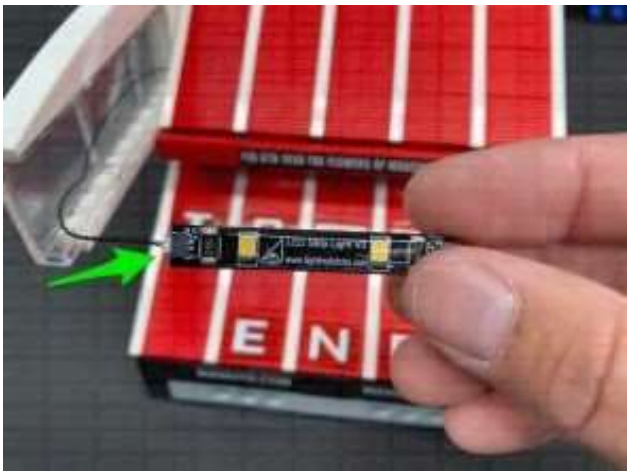
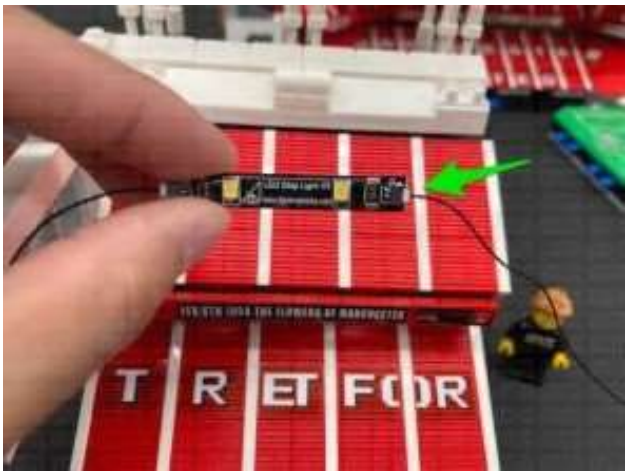



Take a **15cm Connecting Cable** and connect it to the strip light's right port, then using it's adhesive backing, stick the Strip Light underneath the top seat section in the following position. Ensure the 15cm cable is on the left side, with the clips on the bottom as shown below.

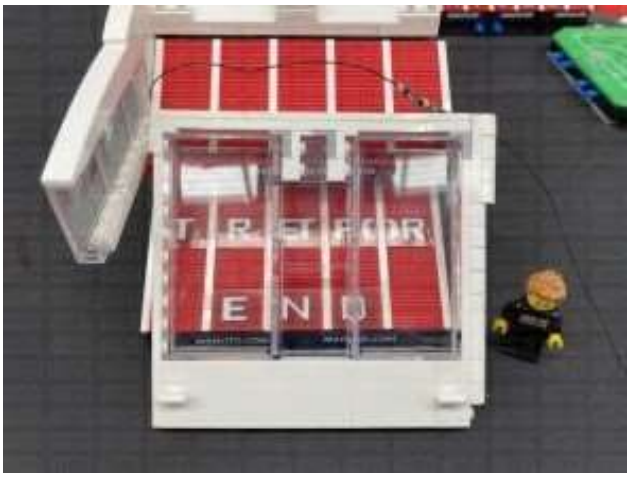
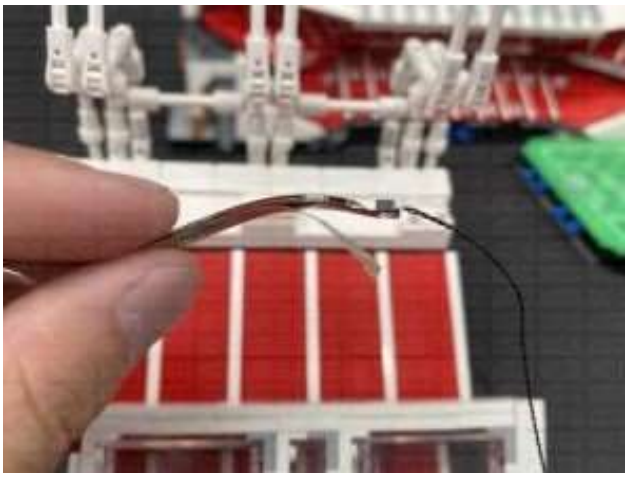
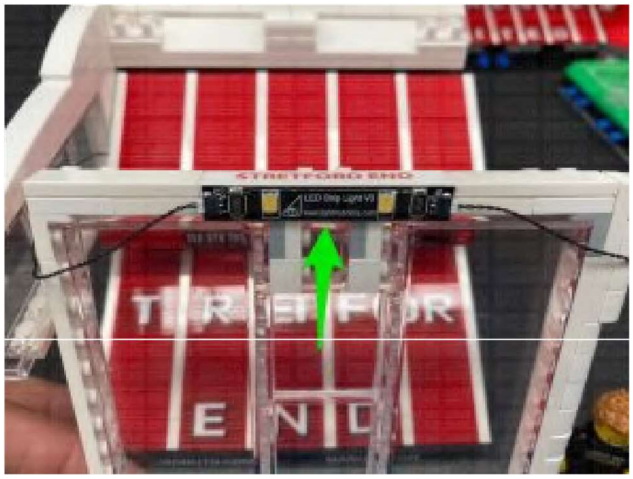
Reconnect this section to the stadium ensuring the 15cm connecting cable is laid out the left side.



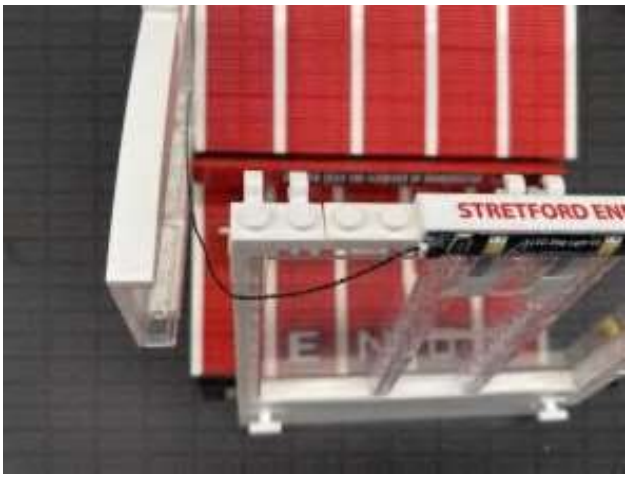
3.) Connect the other end of the 15cm cable to a new **White Strip Light**. Take a **30cm Connecting Cable** and connect it to the strip light's right port.

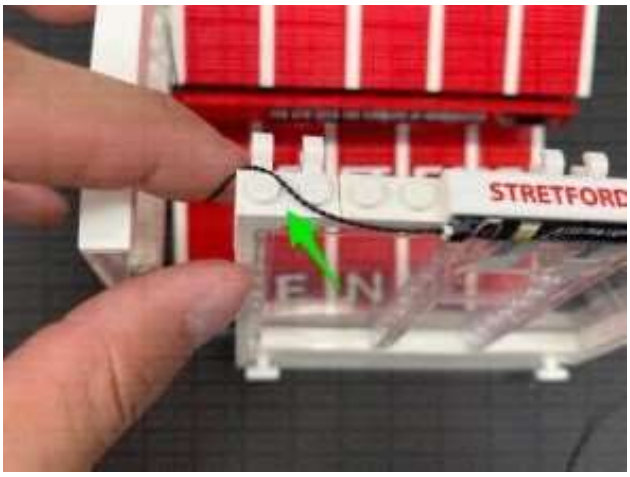



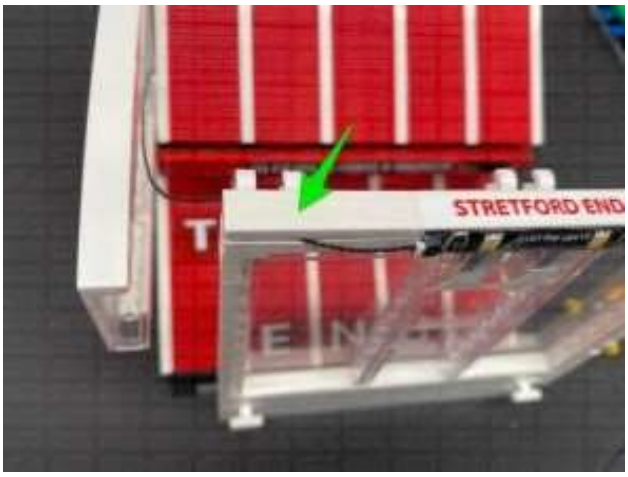
Take the roof section and turn it over so we can access underneath. Using the adhesive backing, stick the Strip Light underneath the roof towards the front as shown below.

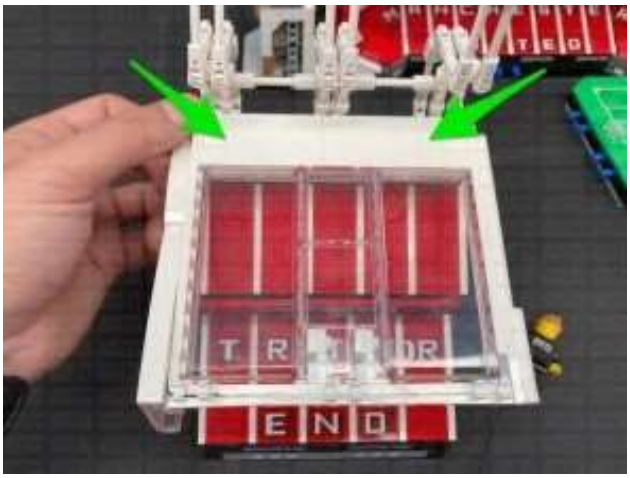




Secure the 15cm cable underneath the white tile on the left side, then reconnect the roof to the stadium.

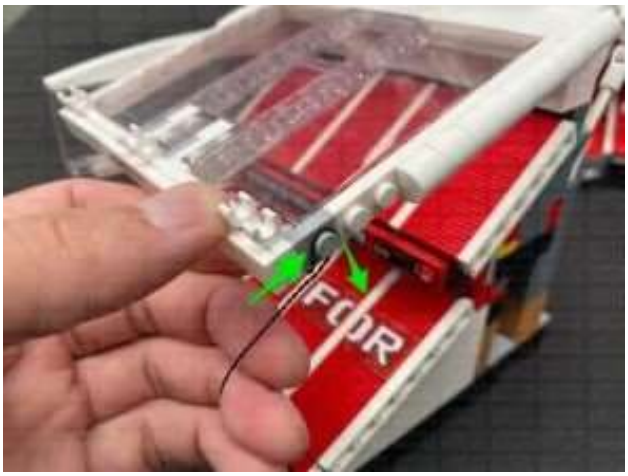


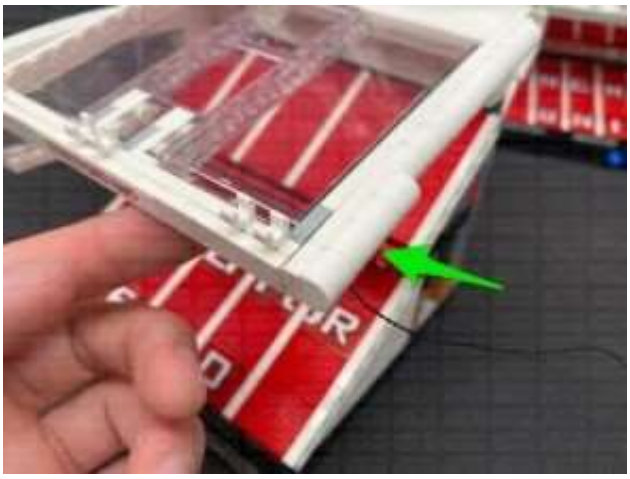




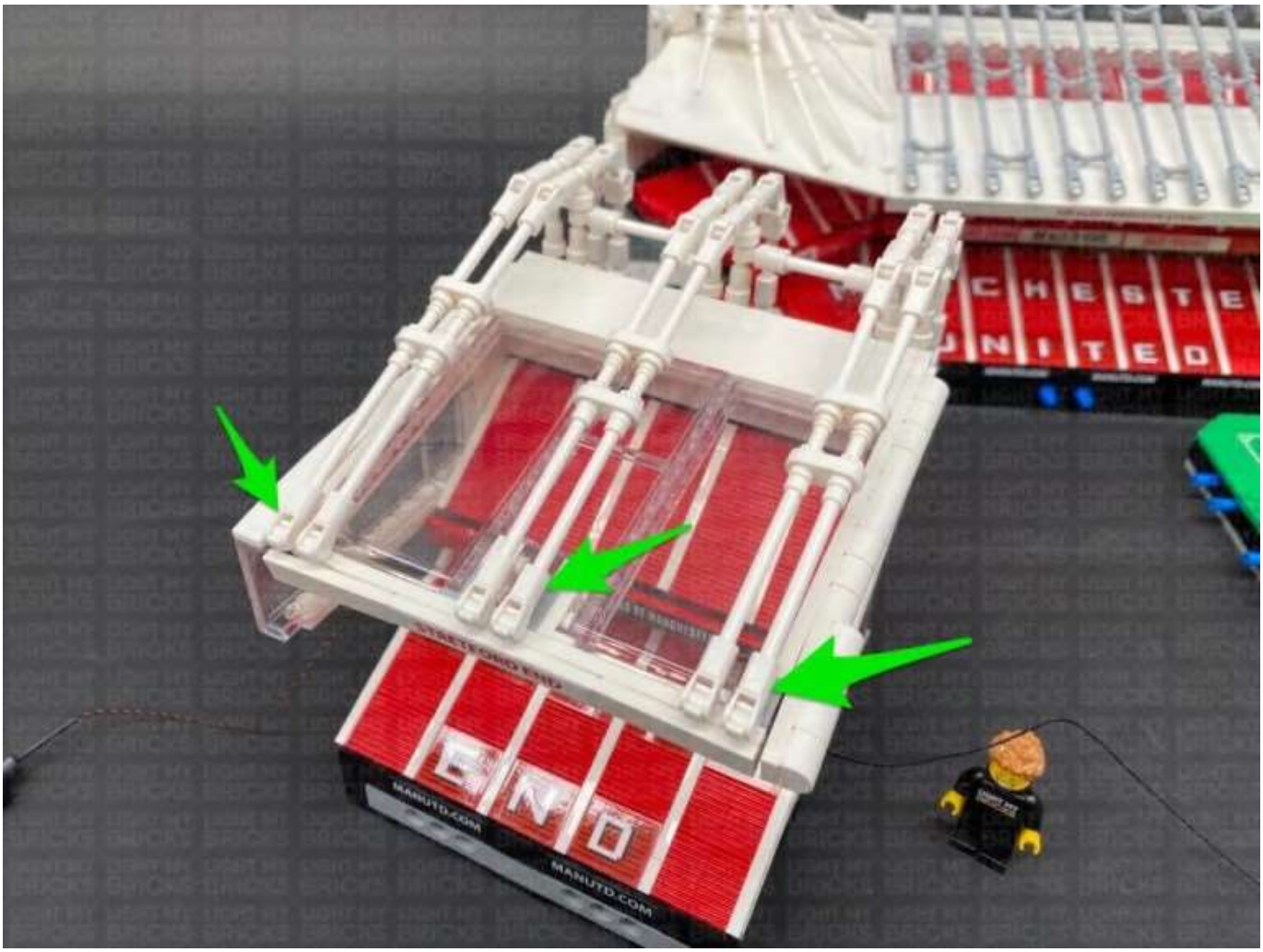


4.) Bring the 30cm cable across to the right side, then secure it underneath thefollowing plate of curved bricks. Loop the cable around the following stud underneath, then reconnect the plate of curved bricks.





Reconnect the railings on the top of the roof, then secure the USB Cable underneath the following tile on the outside.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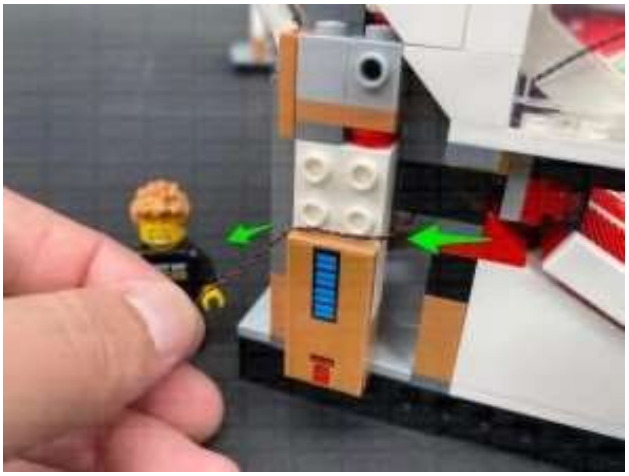
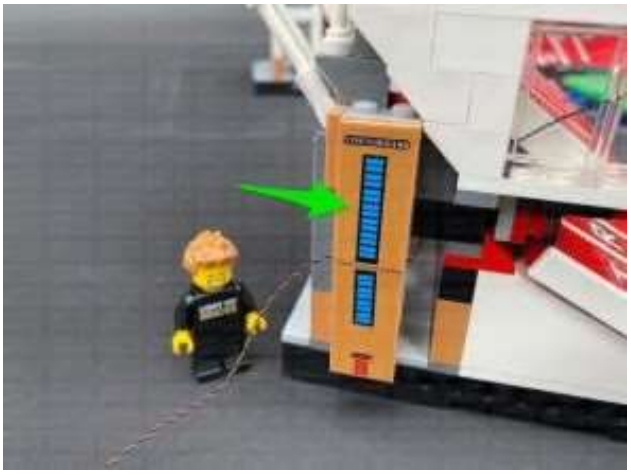
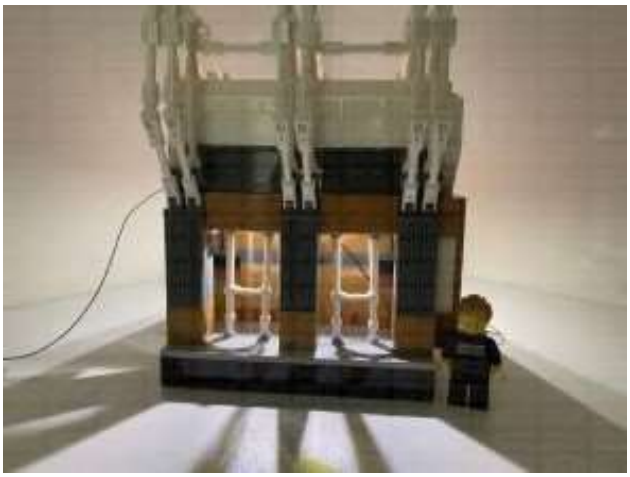
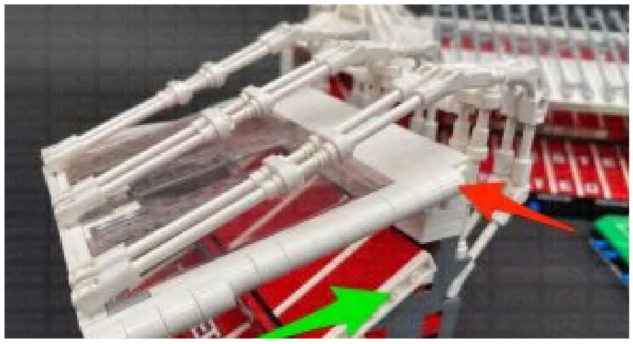


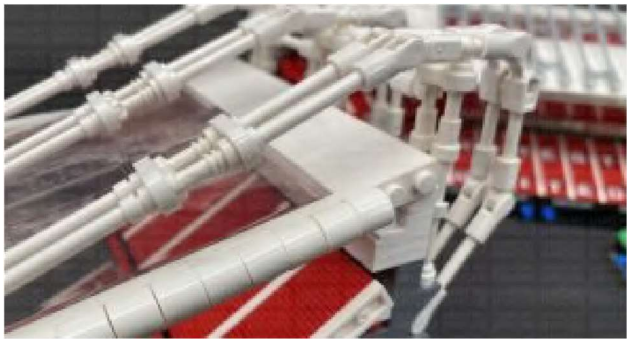


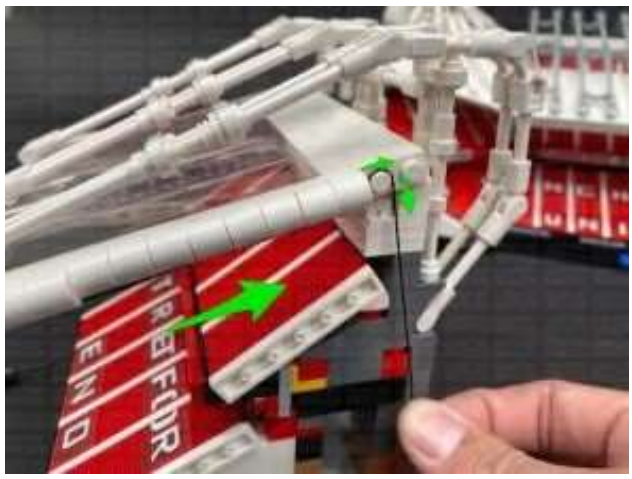
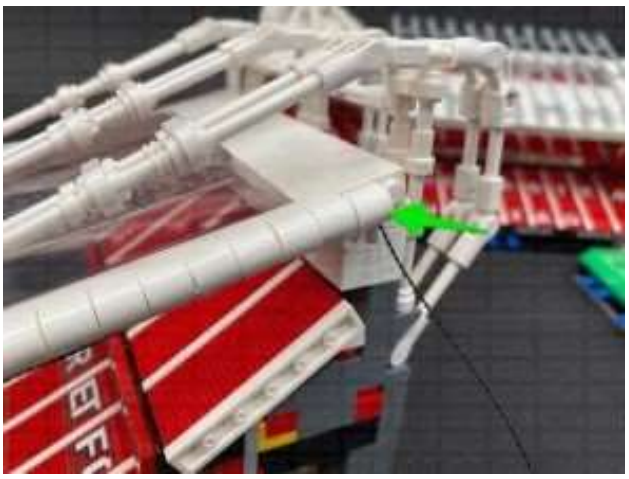
Connect the USB cable to your **USB Power Bank** or **wall adaptor** (sold separately) to test the strip lights installed to this section are working OK.



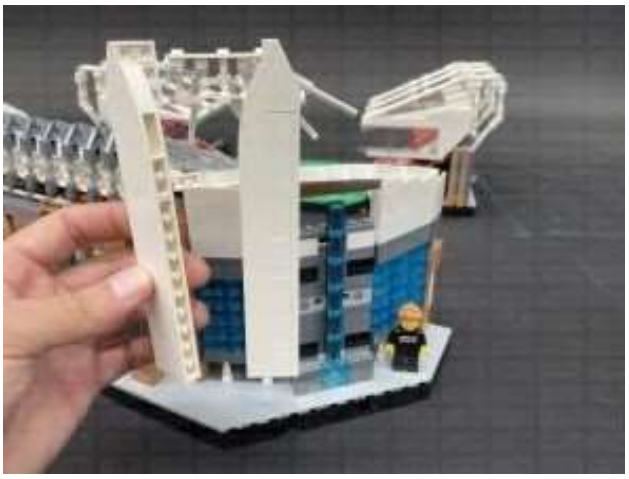
5.) Bring the 30cm Connecting Cable towards the back and secure itunderneath the curved brick on the very end. Reconnect this section to the field plate section.

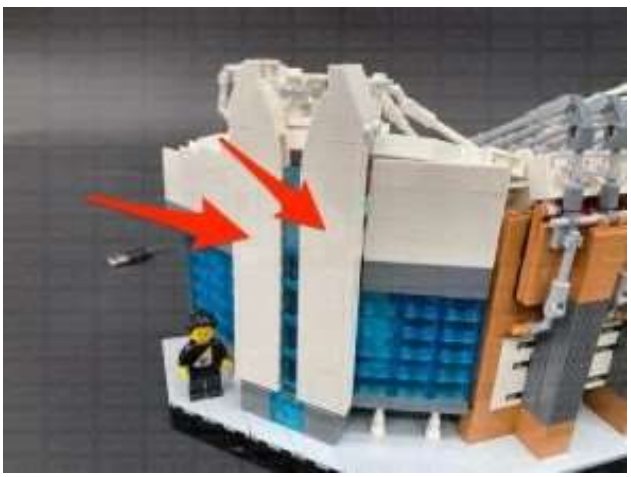


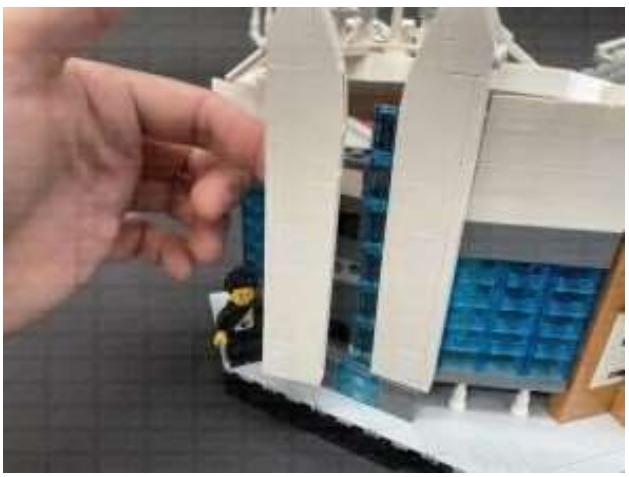


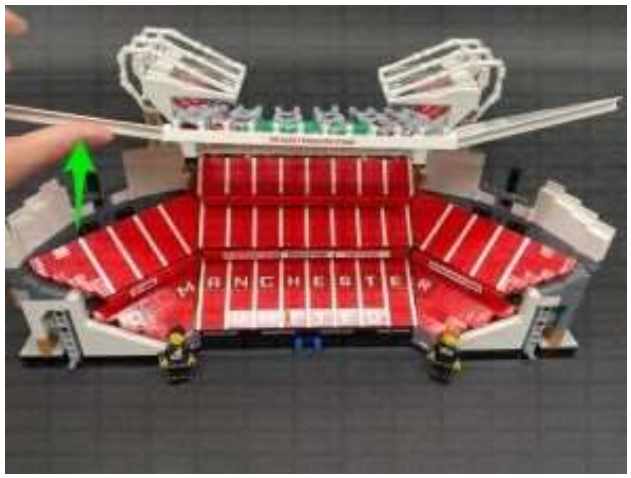
6.) Take the middle section and turn it around to the outside. Disconnect thetwo white pillar sections from each side by disconnecting them via the technic pins.







7.) Turn this section around to the inside, then slightly lift up the entire roof toallow us to disconnect the following sections from the middle section of seats.



THE IMPOSSIBLE DREAM
SIR ALEX 26 YEARS
MADE POSSIBLE
ANCHESTE

CHESTER

MANCHESTER

MANCHESTER
UNITED

MANCHESTER
UNITED

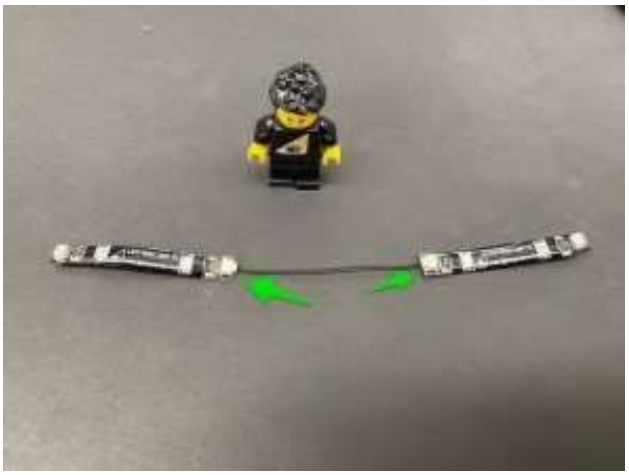
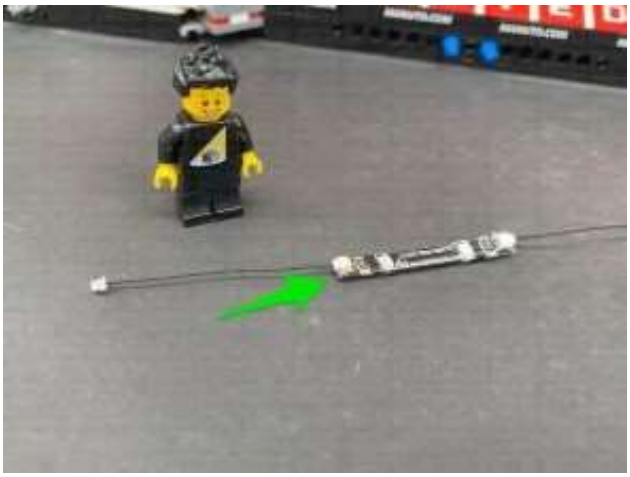
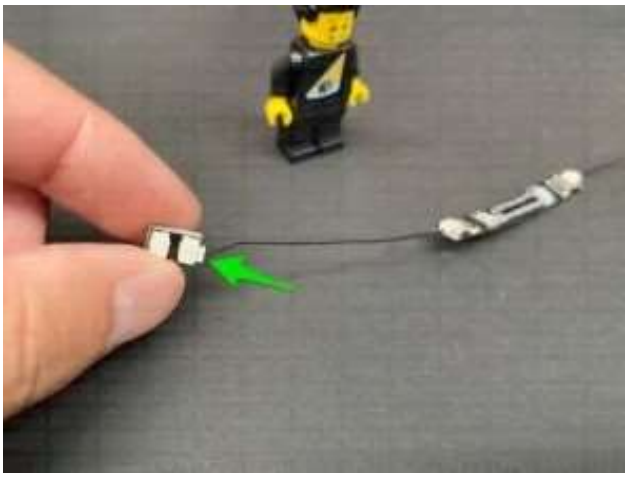
SIR ALEX FERGUSON STAND

MANCHESTER
UNITED

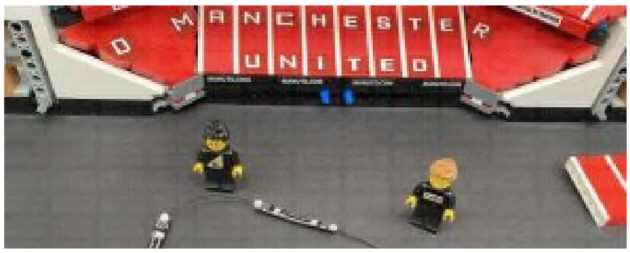
SIR ALEX FERGUSON STAND

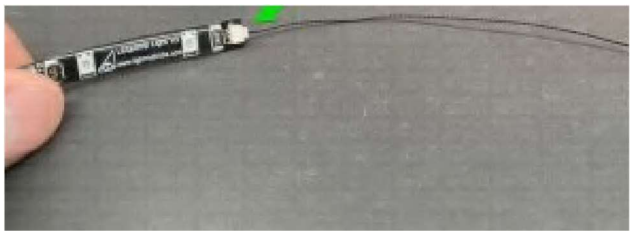
SIR ALEX FERGUSON STAND
MANCHESTE

8.) Take **2x Blue Strip Lights** and connect them together using a **5cm Connecting Cable**. Connect another **5cm Connecting Cable** onto the end of one of the strip lights, then connect the end of this cable to a **2-Port Expansion Board.**

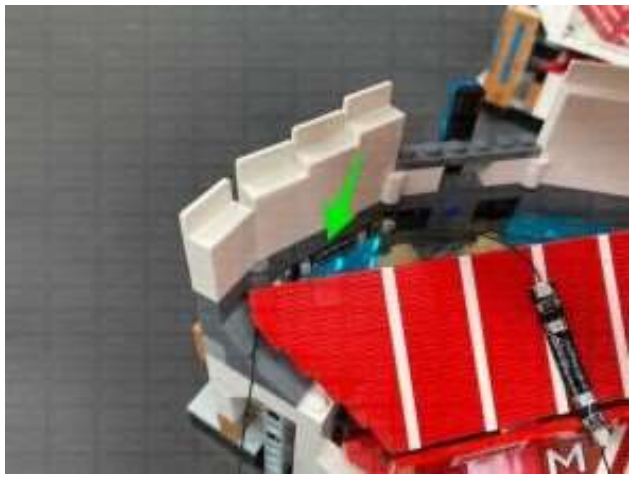




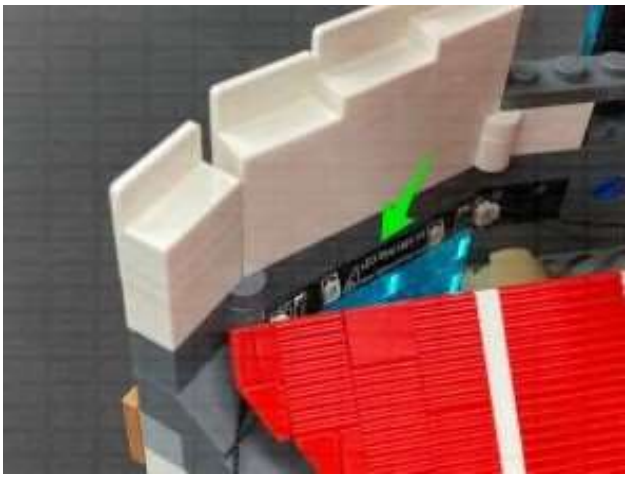
Take a **15cm Connecting Cable** and connect it to the end of the other blue strip light.

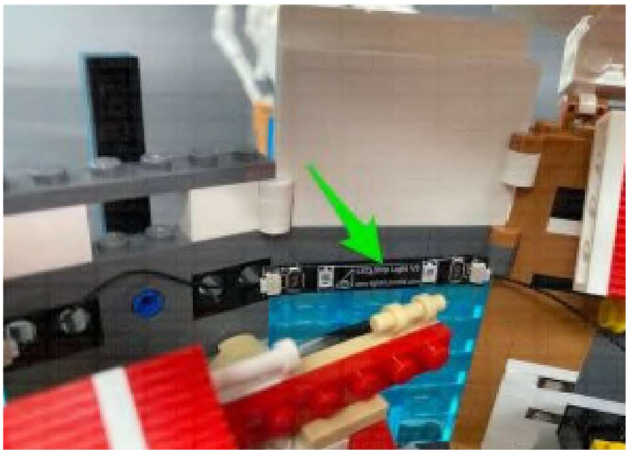




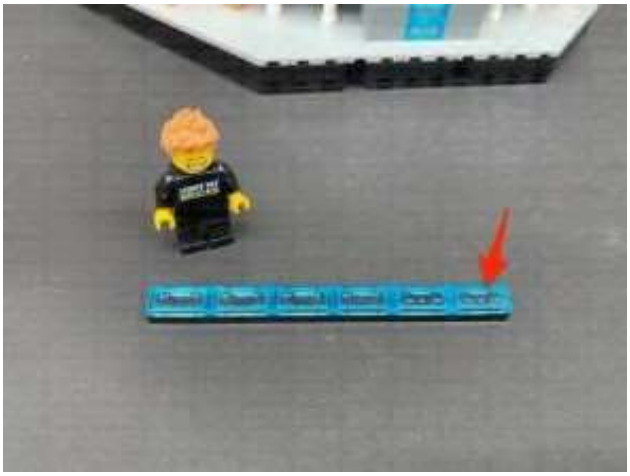
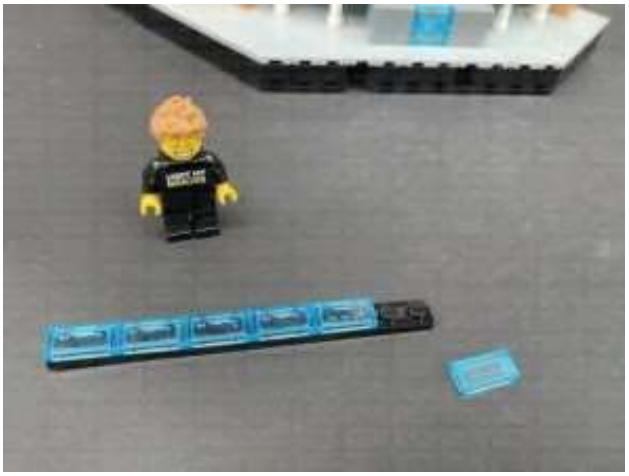
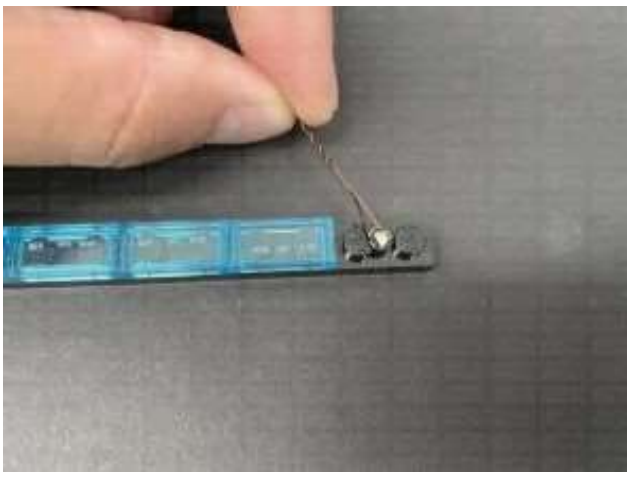
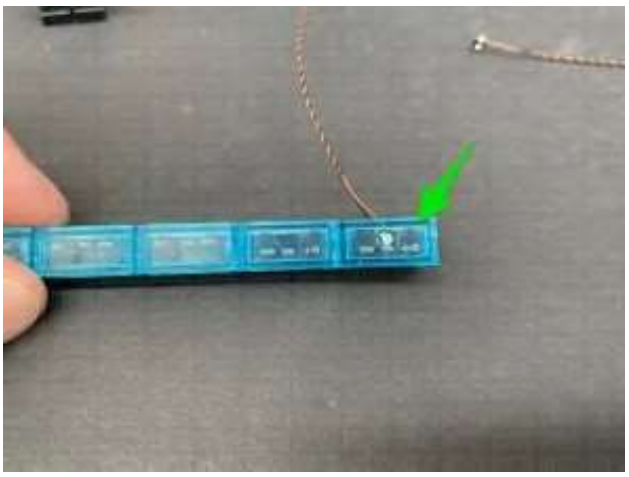
9.) Disconnect the right side from the left section of seats, then using theadhesive backings, stick the two Blue Strip Lights to the following positions.







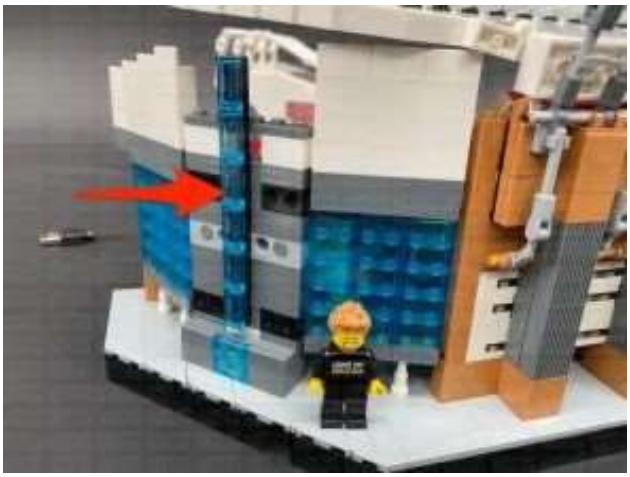
10.) Turn this section around to the outside again and disconnect the verticalsection of trans blue tiles. Disconnect the top tile, then take out a **Blue 30cm Bit Light** and with the cable facing up, place it in the centre of the black studs. Reconnect the trans blue tile over the top to secure the light in place, then reconnect this section back to the stadium.

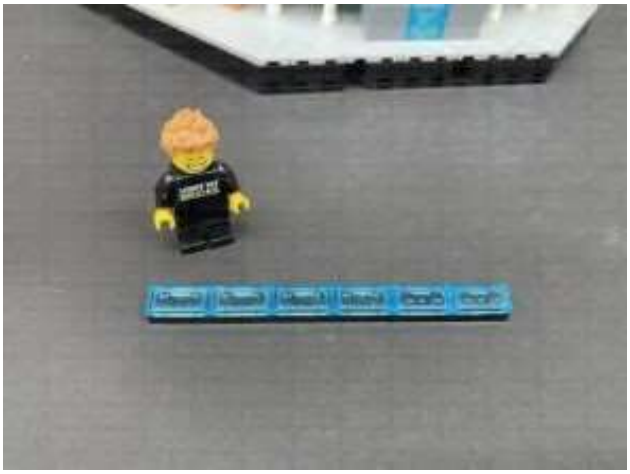
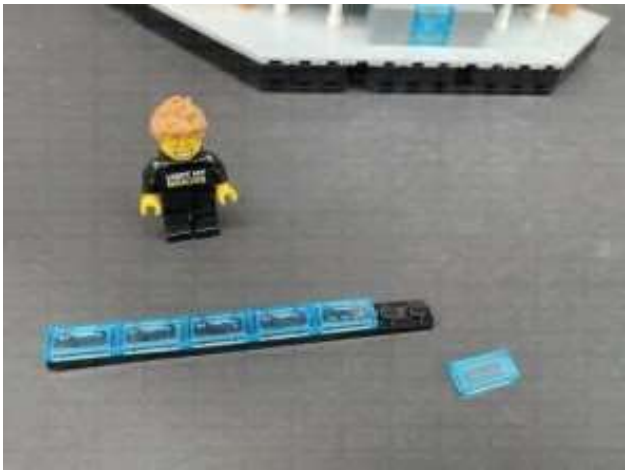
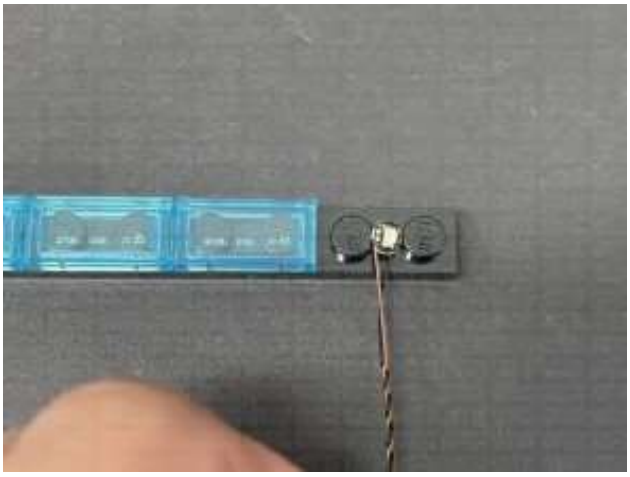
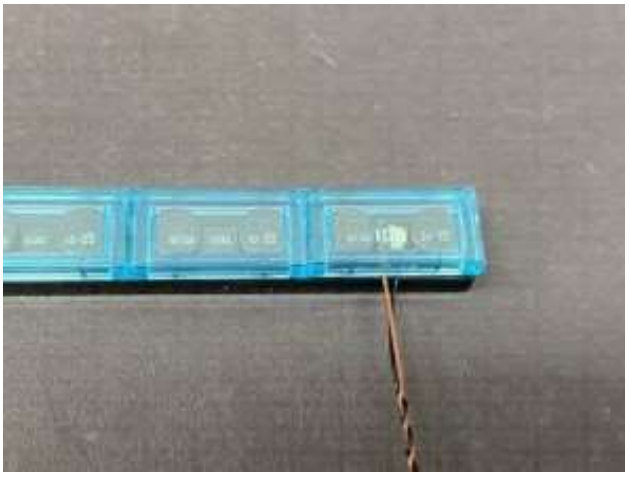





From the inside of the stadium, pull the blue bit light cable in and tuck it behind the seat section.

11.) Turn this section around to the outside again, and disconnect the vertical section of trans blue tiles from the left side. Disconnect the top tile, then take out a **Blue 30cm Bit Light** and

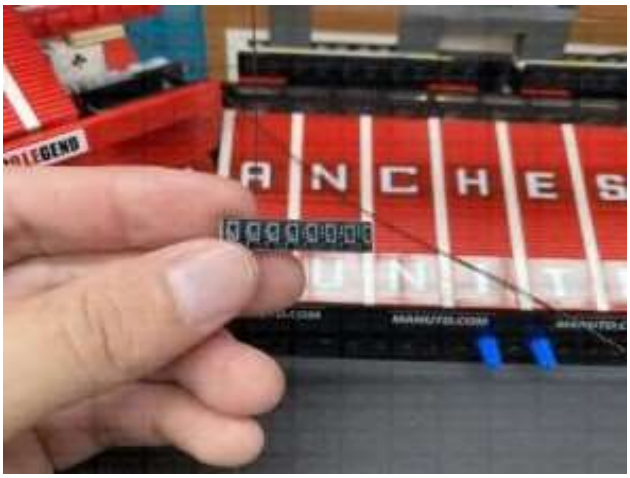
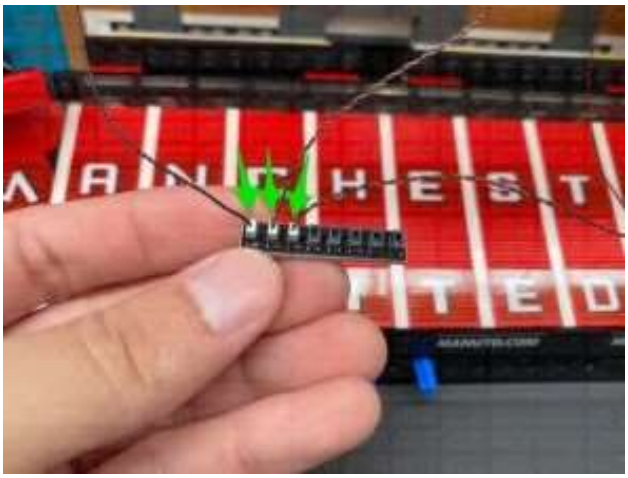
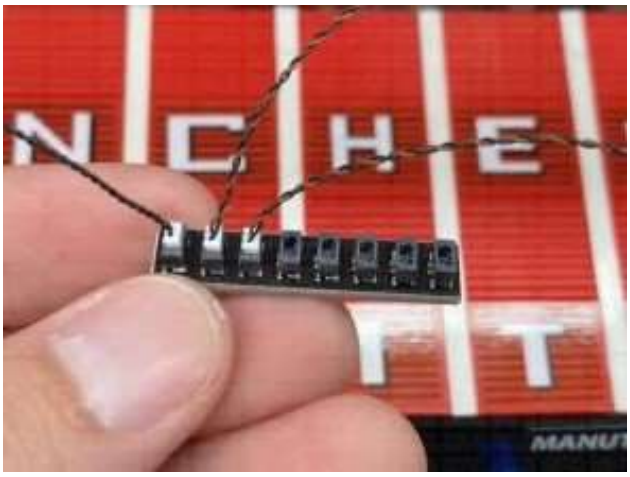
with the cable facing down, place it in the centre of the black studs. Reconnect the trans blue tile over the top to secure the light in place, then reconnect this section back to the stadium.



From the inside of the stadium, pull the blue bit light cable in and tuck it behind the right seat section.

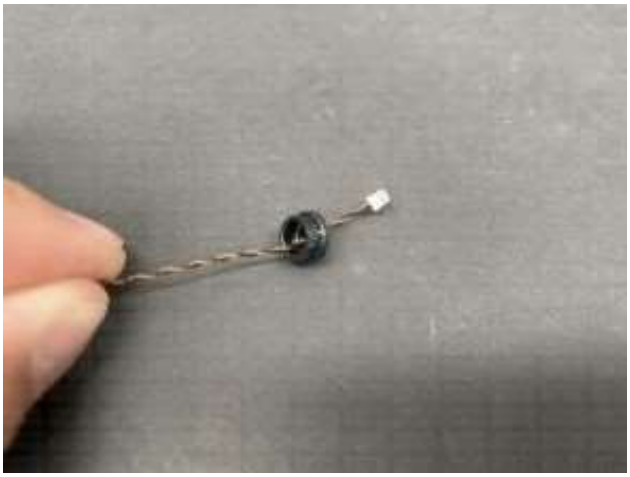
Take the 15cm Connecting Cable from the Blue Strip Light, as well as the two Blue Bit Light cables and connect them to the **8-Port Expansion Board**.

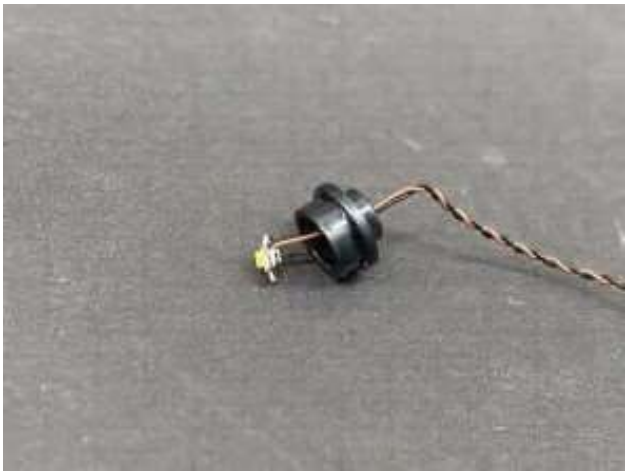




12.) Turn the section back around to the front, then take out the followingprovided LEGO pieces in order to build two spotlights:

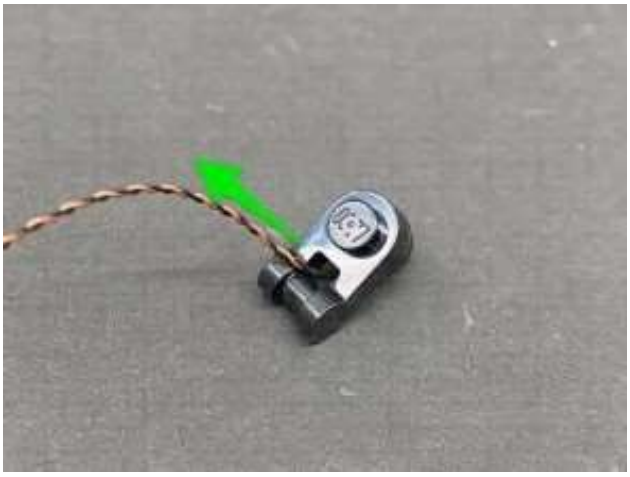
- 2x **Round Plate 1x1 with Open Stud (Black)**
- 2x **Black 1x1 Modified Plate Rounded with Handle**
- 2x **Arm Skeleton, Bent with Clips at 90 degrees (Any Colour)**

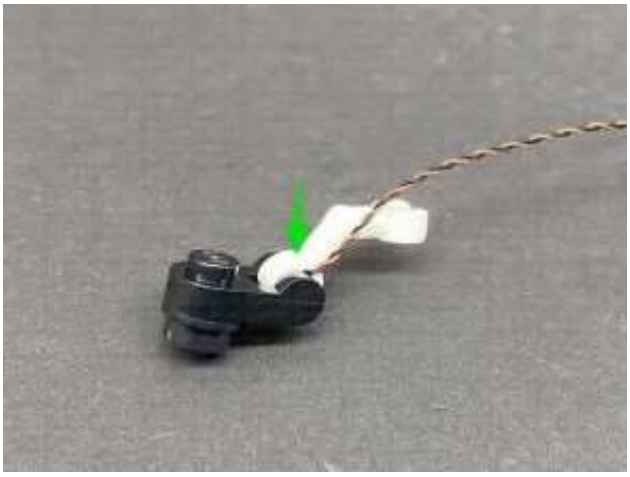
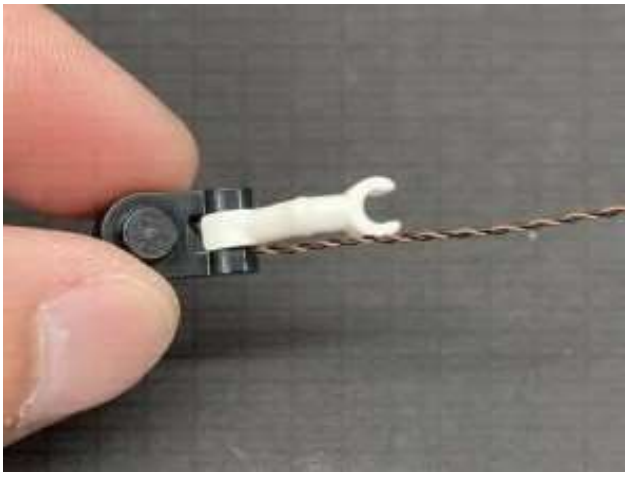
Take a **White 15cm Bit Light** and thread the connector end of the cable through the bottom of one of the black round plates with open stud. Thread the Bit Light all the way through, then carefully bend the LED so that it is directly facing upwards, before placing it flat inside the LEGO plate.





Connect this plate to the rounded handle plate, then thread the connector end of the cable through the handle space underneath. Pull the cable all the way out, then connect the skeleton arm piece to it as per below.

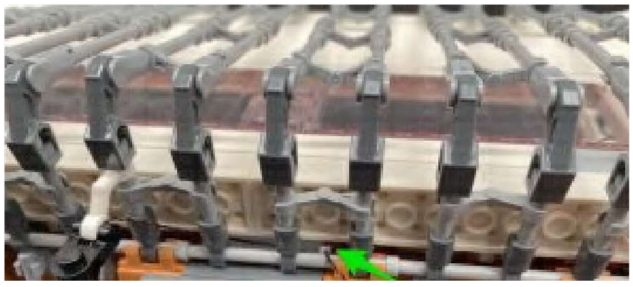


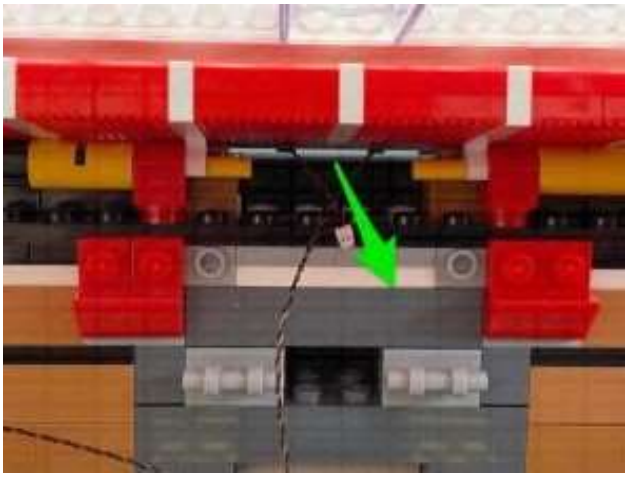
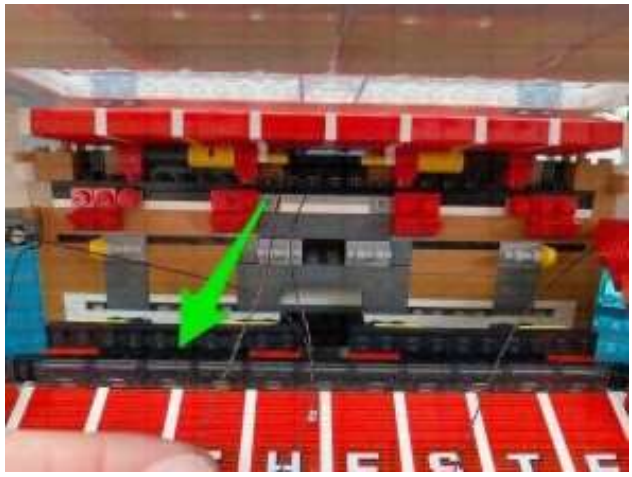
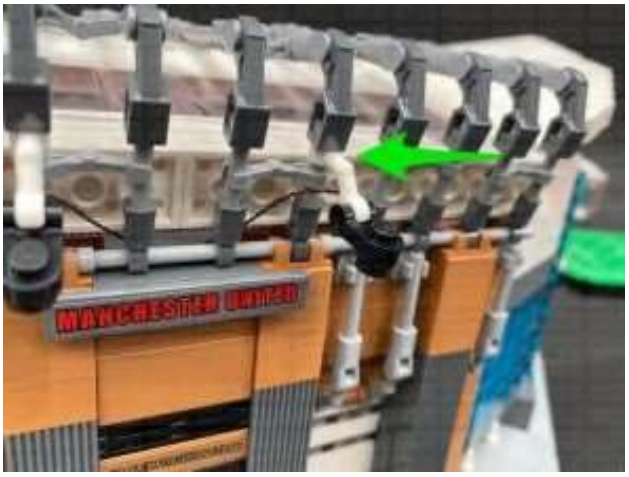



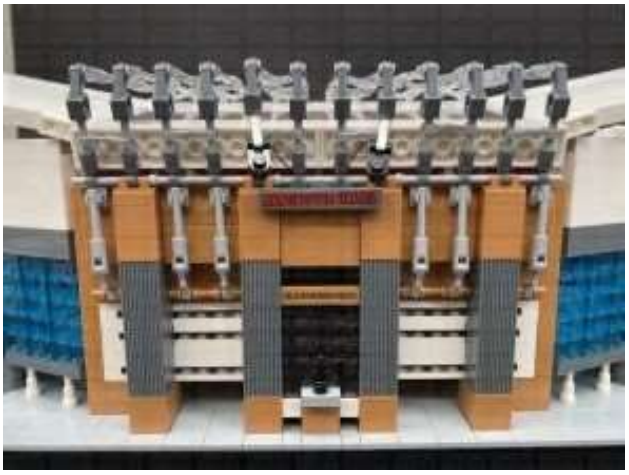
Repeat this method to install another **White 15cm Bit Light** to the provided LEGO pieces.

13.) Take one of the spot lights and thread the connector end of the cablethrough the following gap above the Manchester United sign. Thread the cable through, then pull it all the way out from the inside of the stadium. Connect the spot light to the railing via the skeleton arm, then position the spot light so that it shines onto the left area of the Manchester United sign.

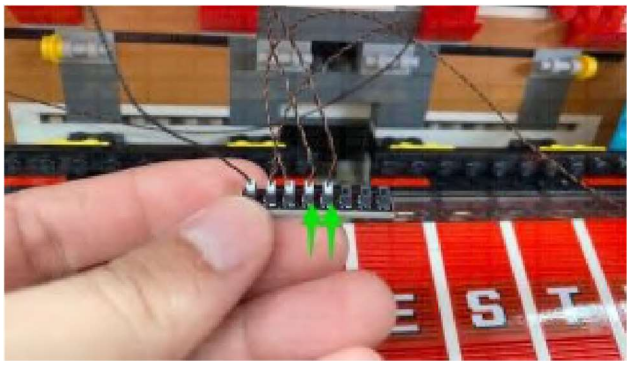
Repeat this step to connect the other spotlight.

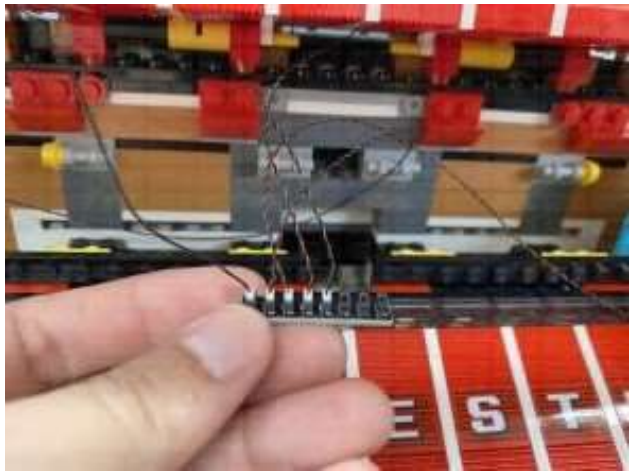


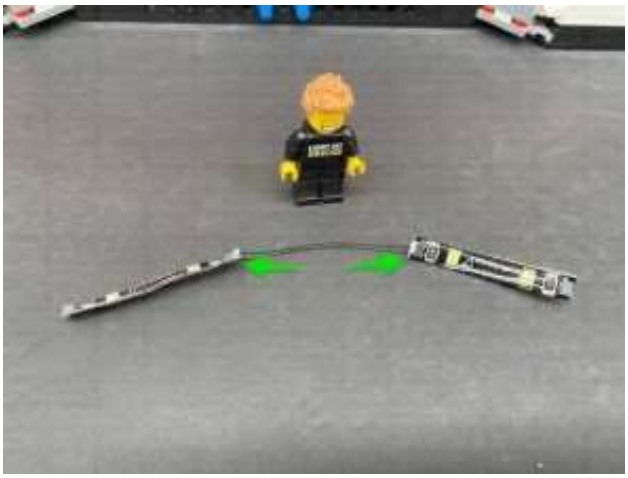


From the inside of the stadium, take both White Bit Lights and connect them to the next available ports on the 8-Port Expansion Board.

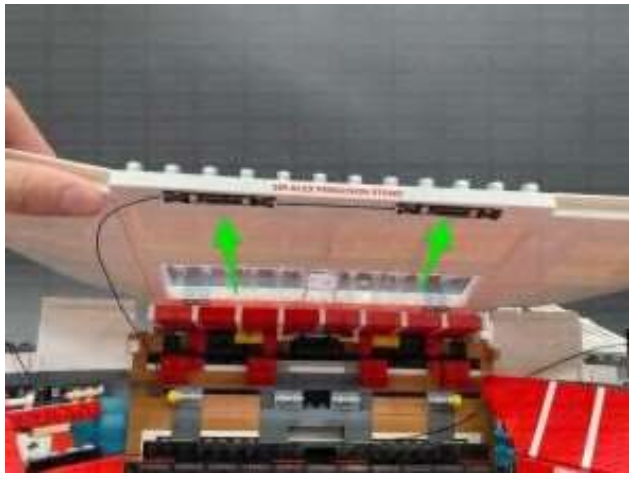


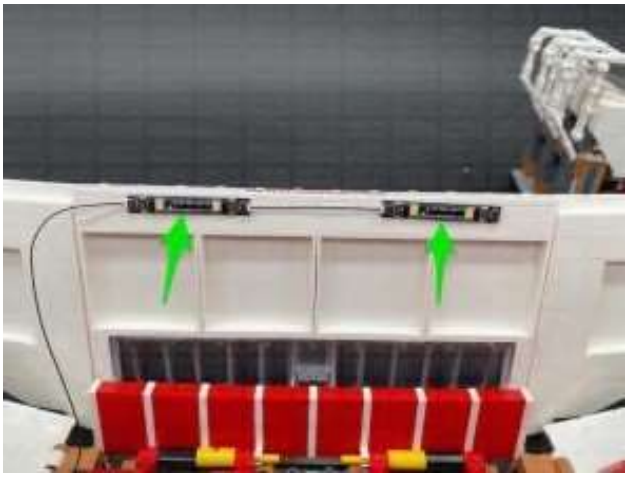


14.) Take out **2x White Strip Lights** and connect them together using a **5cm Connecting Cable**. Take a **30cm Connecting Cable** and connect it to the left Strip Light's spare port.

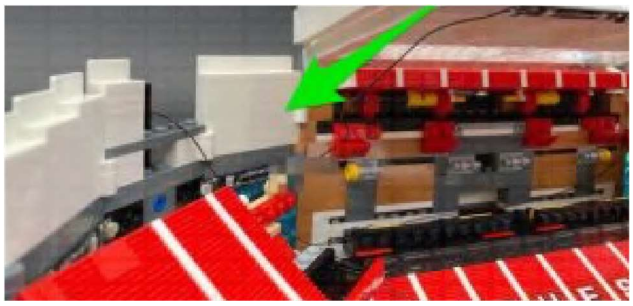


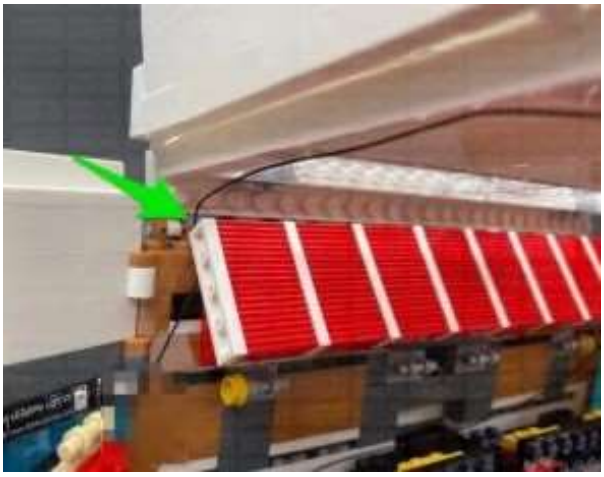
Using the adhesive backings, stick the two strip lights underneath the roof of this middle section in the following positions.



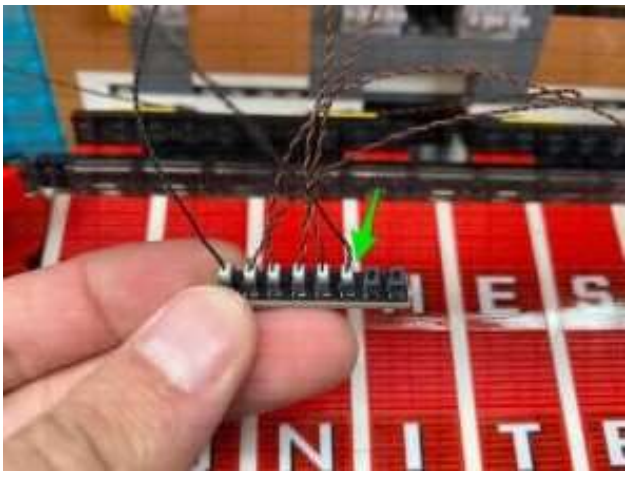


15.) Bring the 30cm Connecting Cable down the left side toward the back, thentuck the cable in behind the top row seat section.

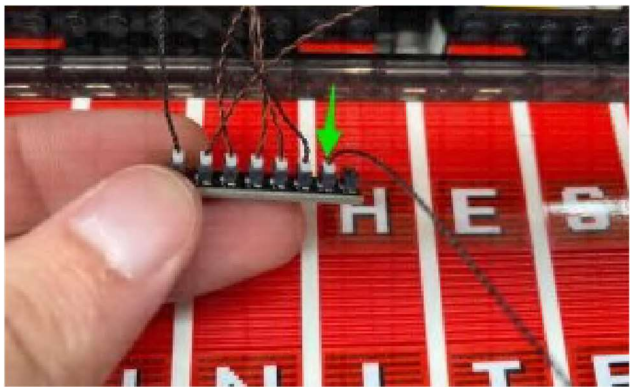


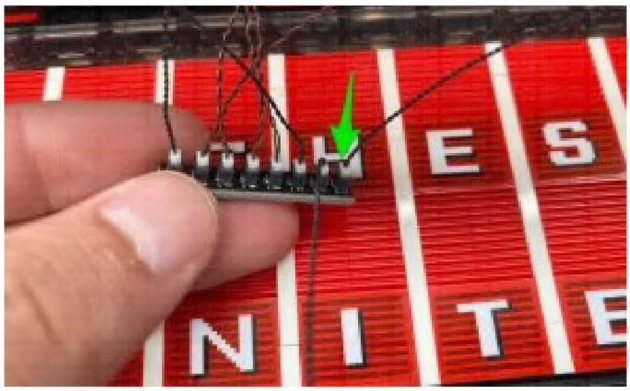


Connect the 30cm Connecting Cable to the next available port on the 8-Port Expansion Board.

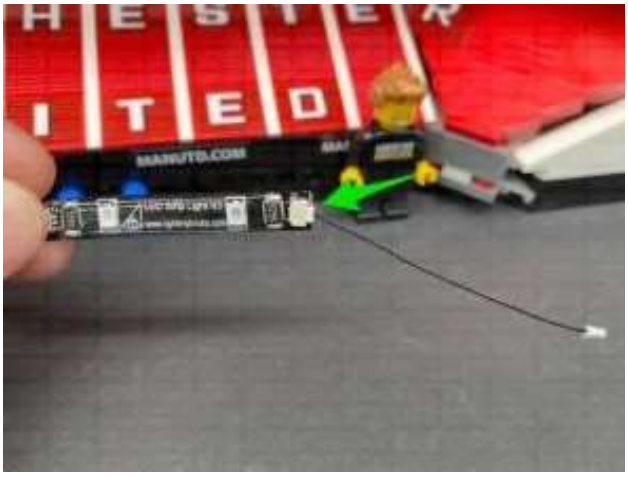


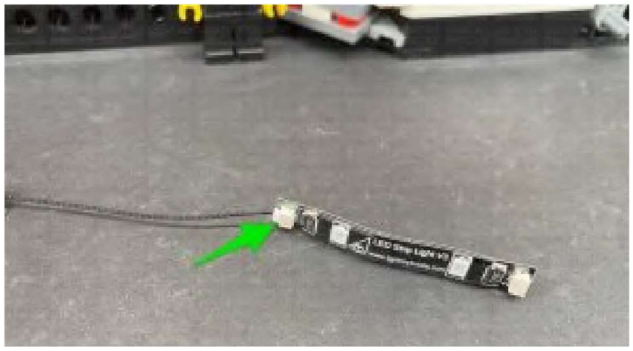
16.) Take **2x 15cm Connecting Cables** and connect them to the two remaining ports on the expansion board.



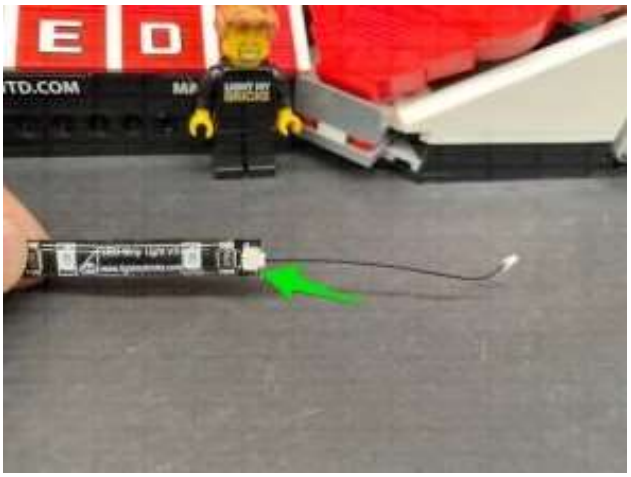


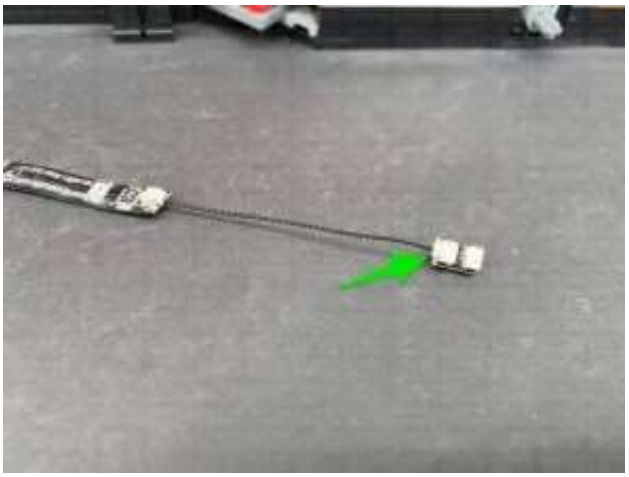
Take the other end of one of the 15cm cables and connect it to a **Blue Strip Light**. Connect another **5cm Connecting Cable** to the strip light's other port, then connect the other end of the 5cm cable to another **Blue Strip Light.**



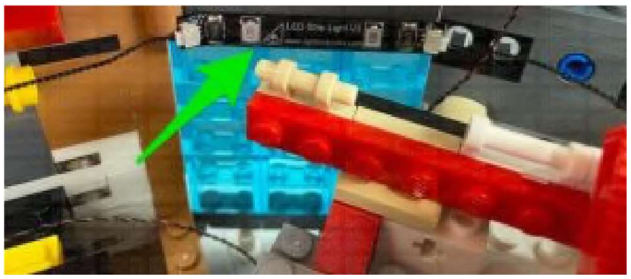
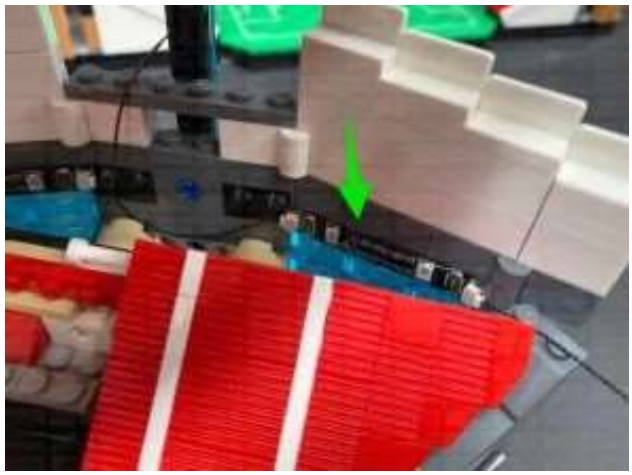
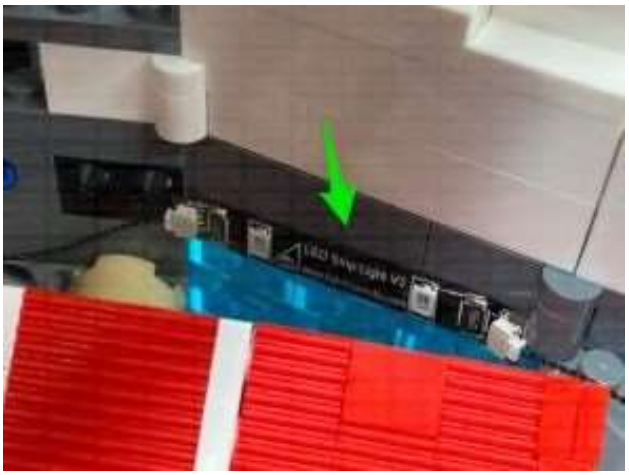


Take another **5cm Connecting Cable** and connect it to the end of the Blue Strip Light. Connect the other end of the cable to a **2-Port Expansion Board**.

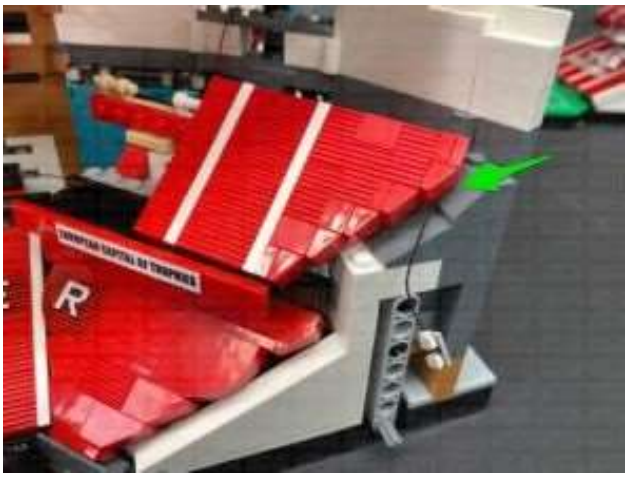




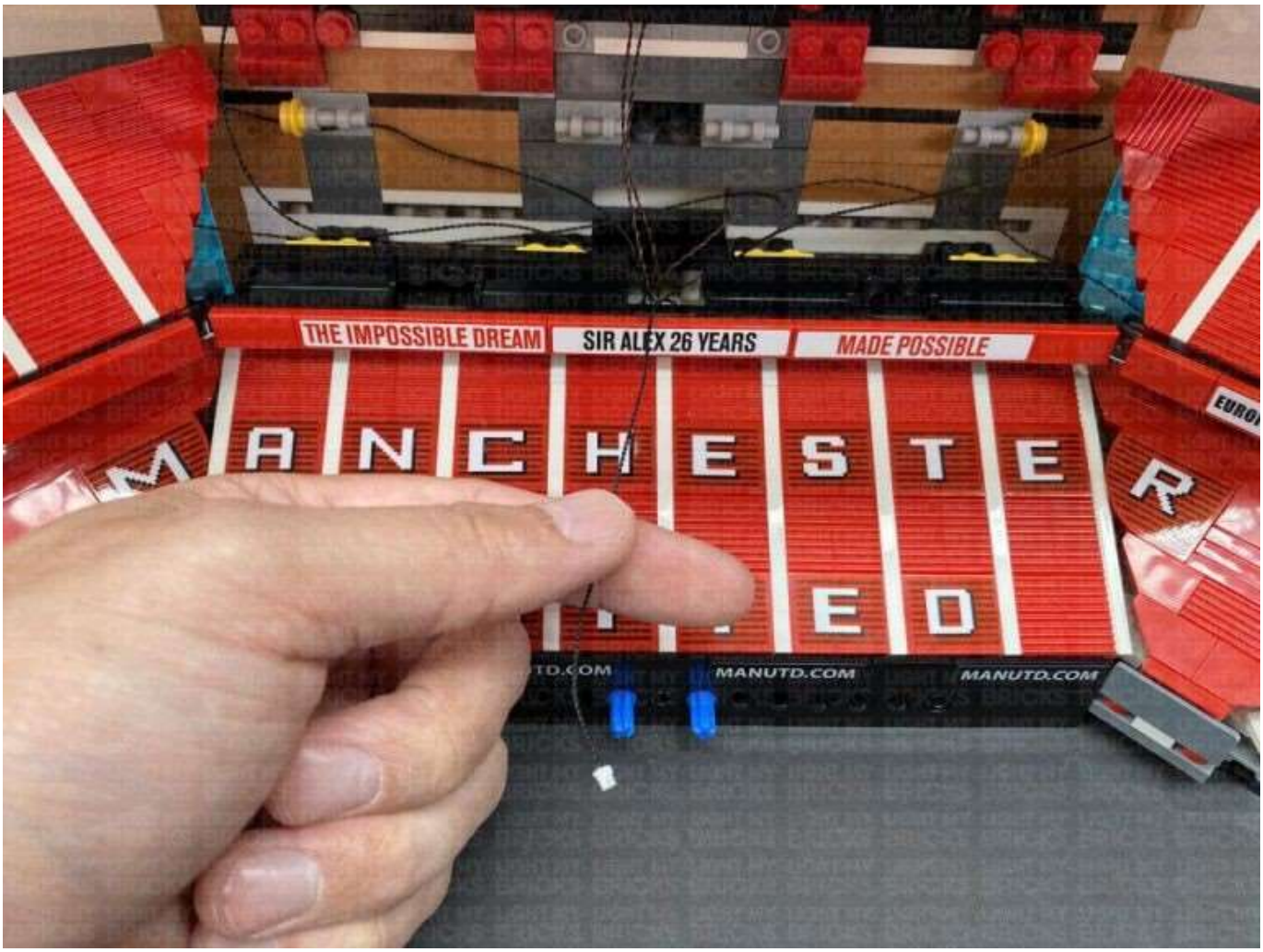
17.) Disconnect the left side of the right section of seats, then using theadhesive backings from each blue strip light, stick them to the following positions.

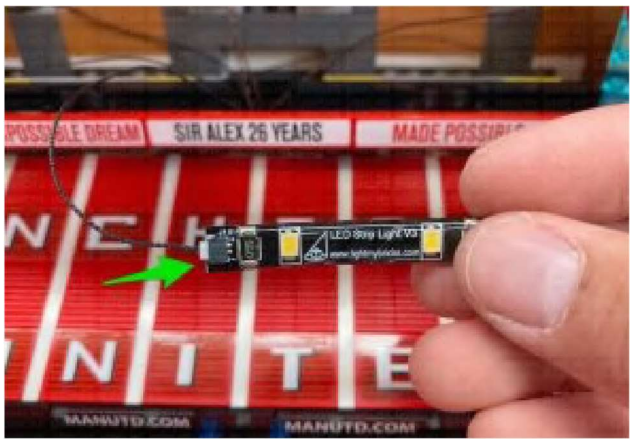
Tuck the 5cm Connecting Cable on the end behind the seat section, then reconnect the seat section, as well as the seat section from the left side.

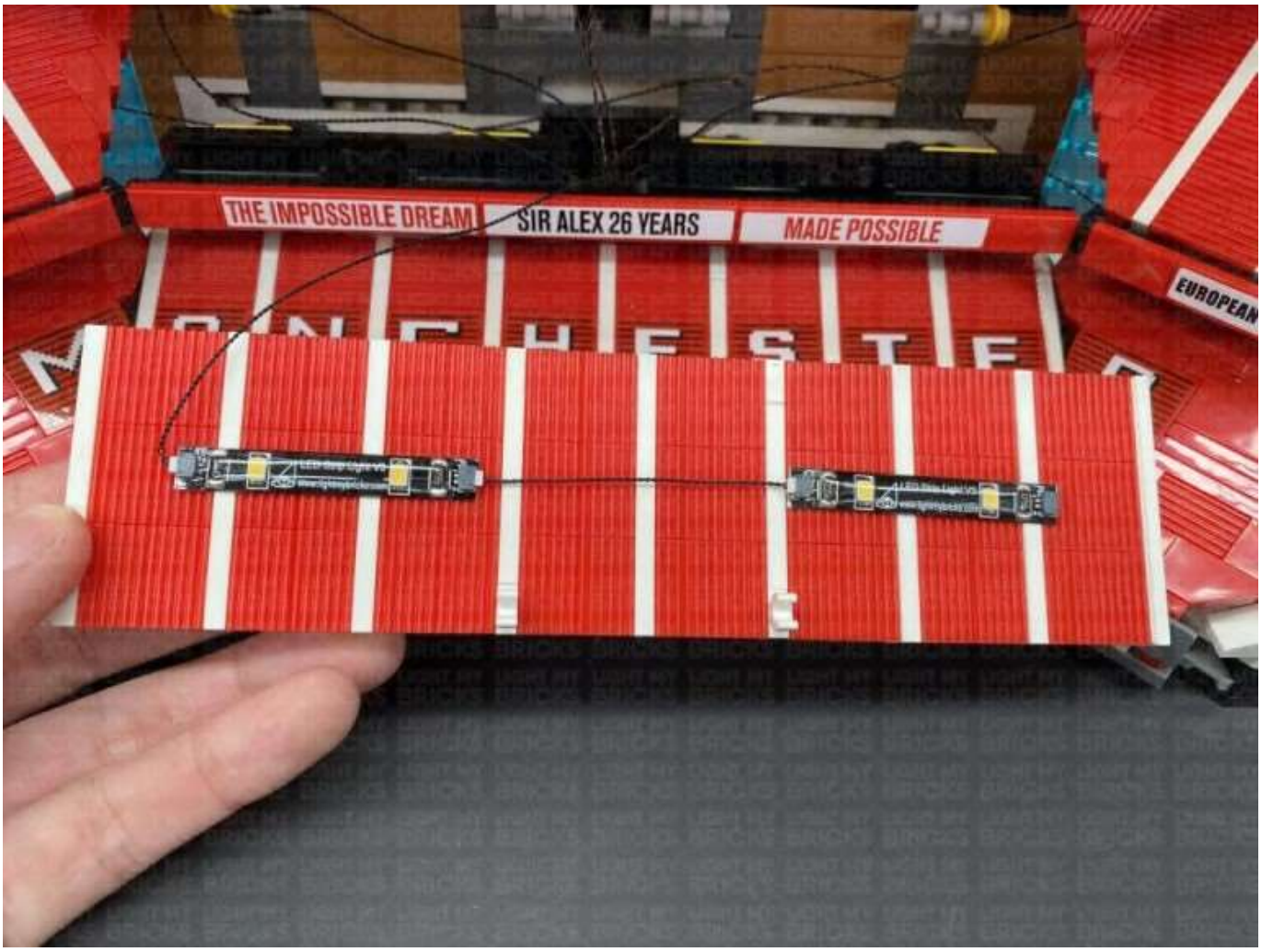


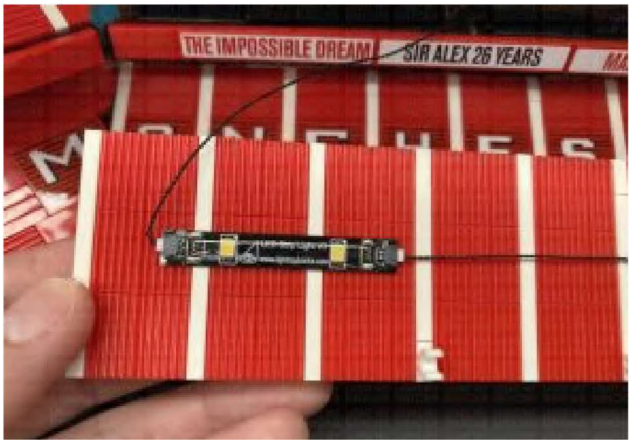
18.) Neatly place all the cables and expansion board behind the centre row ofseats, leaving the spare 15cm cable out. Ensure the cables are tucked in behind the lego pieces and bars where the middle seat section will reconnect to.



Connect the spare end of the 15cm cable to a new **White Strip Light**. Connect a **5cm Connecting Cable** to the other end of the strip light, then connect the other end of the 5cm cable to another **White Strip Light**. Take the entire middle seat section and turn it over so we can access underneath. Using the adhesive backings, stick both strip lights underneath this section in the following positions, then reconnect this section to the stadium.




THE IMPOSSIBLE DREAM
SIR ALEX 26 YEARS
MADE POSSIBLE

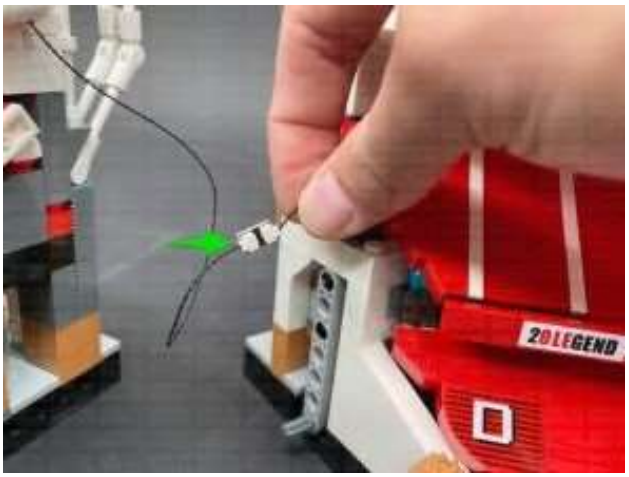

THE IMPOSSIBLE DREAM
SIR ALEX 26 YEARS

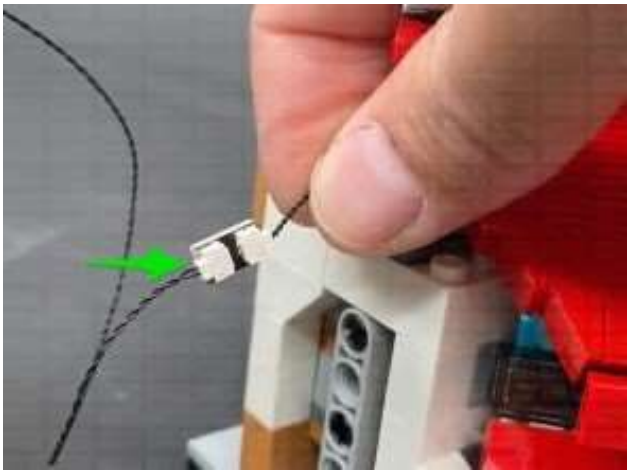
SIR ALEX 26 YEARS
MADE POSSIBLE

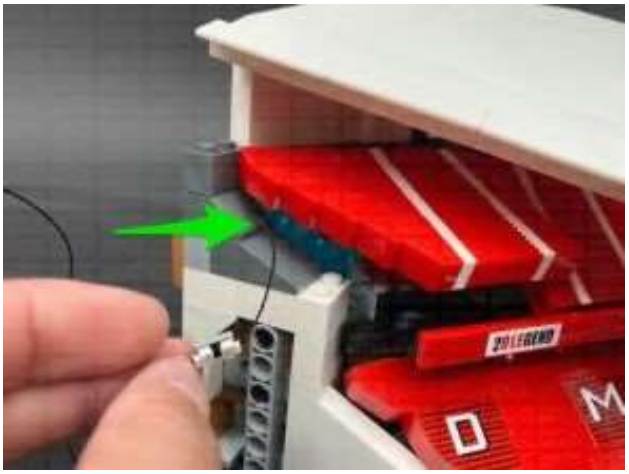
19.) Reconnect the red horizontal railing section, then bring down the top rowof seats to original position.

Bring the middle stadium section and left section closer together and connect the 30cm connecting cable from the left section to the 2-port expansion board from the left side of the

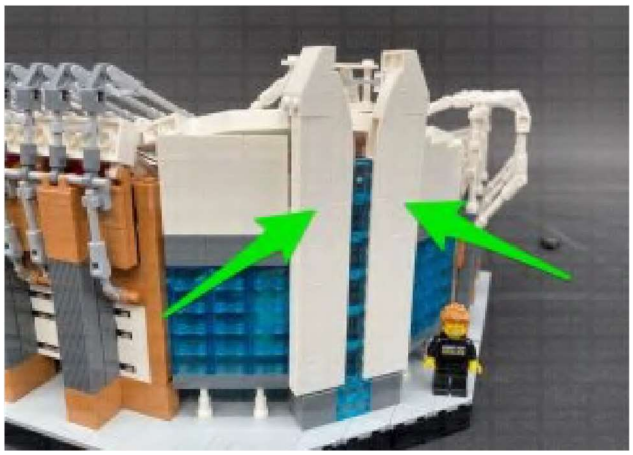
middle section. Feed the excess cable in underneath the seat section toward the right, then securely reconnect both sections together.



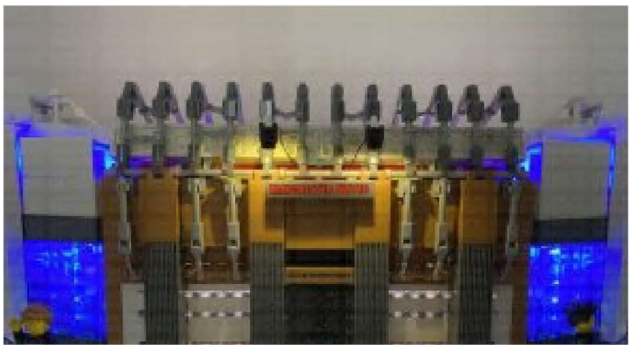
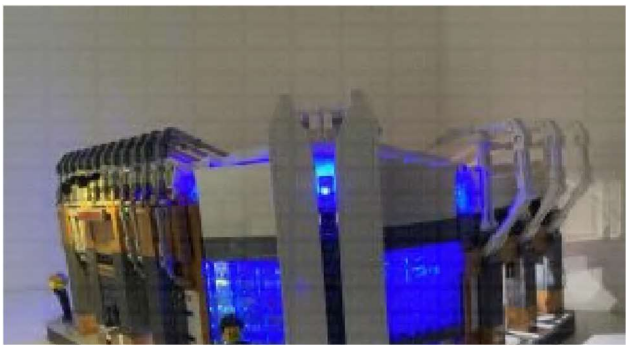




Reconnect the four white vertical pillar sections to the outside of the stadium.



Turn ON the power to test all the stadium lights we have installed so far are working OK.

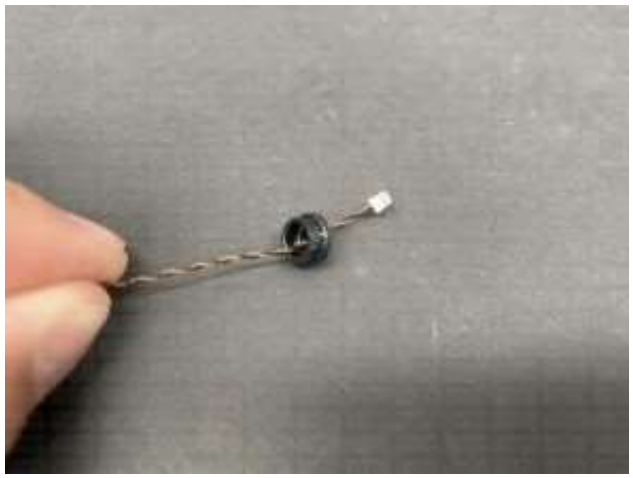



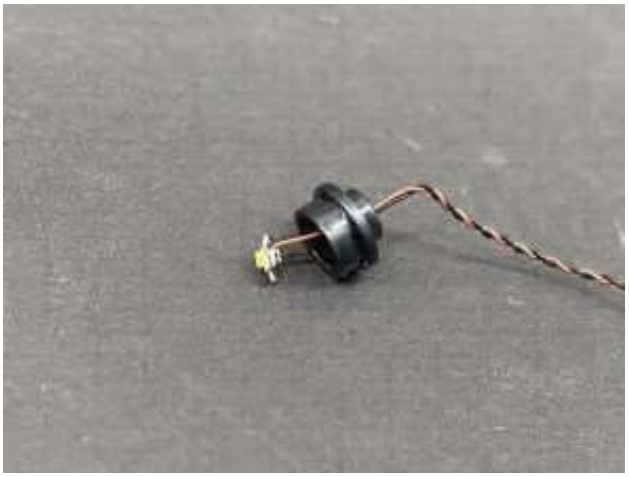
Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide.**

20.) Disconnect the middle section from the field section, then disconnect theright section from the field plate. Disconnect the railings from the right section via the clips, then disconnect the roof.

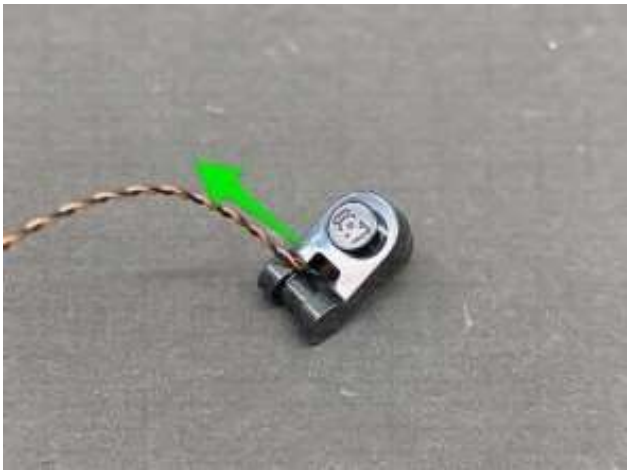
21.) Disconnect top row seat section, then turn this section around to theoutside. Take out the following provided LEGO pieces and follow the method used in step 12. to assemble two spotlights using **2x White 15cm Bit Lights**.

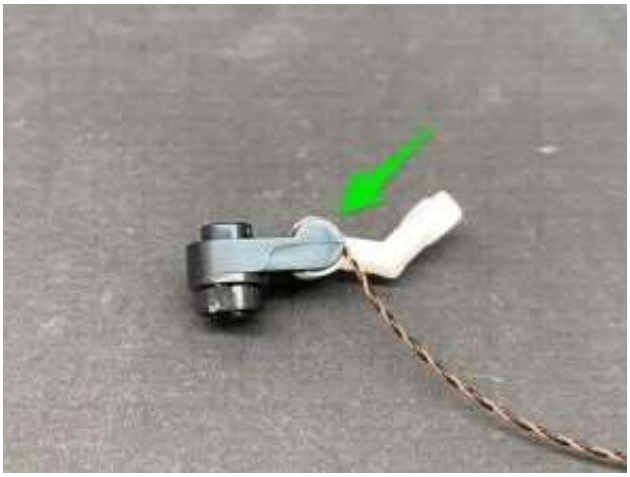
- 2x **Round Plate 1x1 with Open Stud (Black)**
- 2x **Black 1x1 Modified Plate Rounded with Handle**
- 2x **Arm Skeleton, Bent with Clips at 90 degrees (Any Colour)**





Connect this plate to the rounded handle plate, then thread the connector through the space underneath. Pull the cable all the way out, then connect the skeleton arm piece on a different angle to the previous spot lights. Ensure you connect the clip arm with the other side facing upward, as per below.

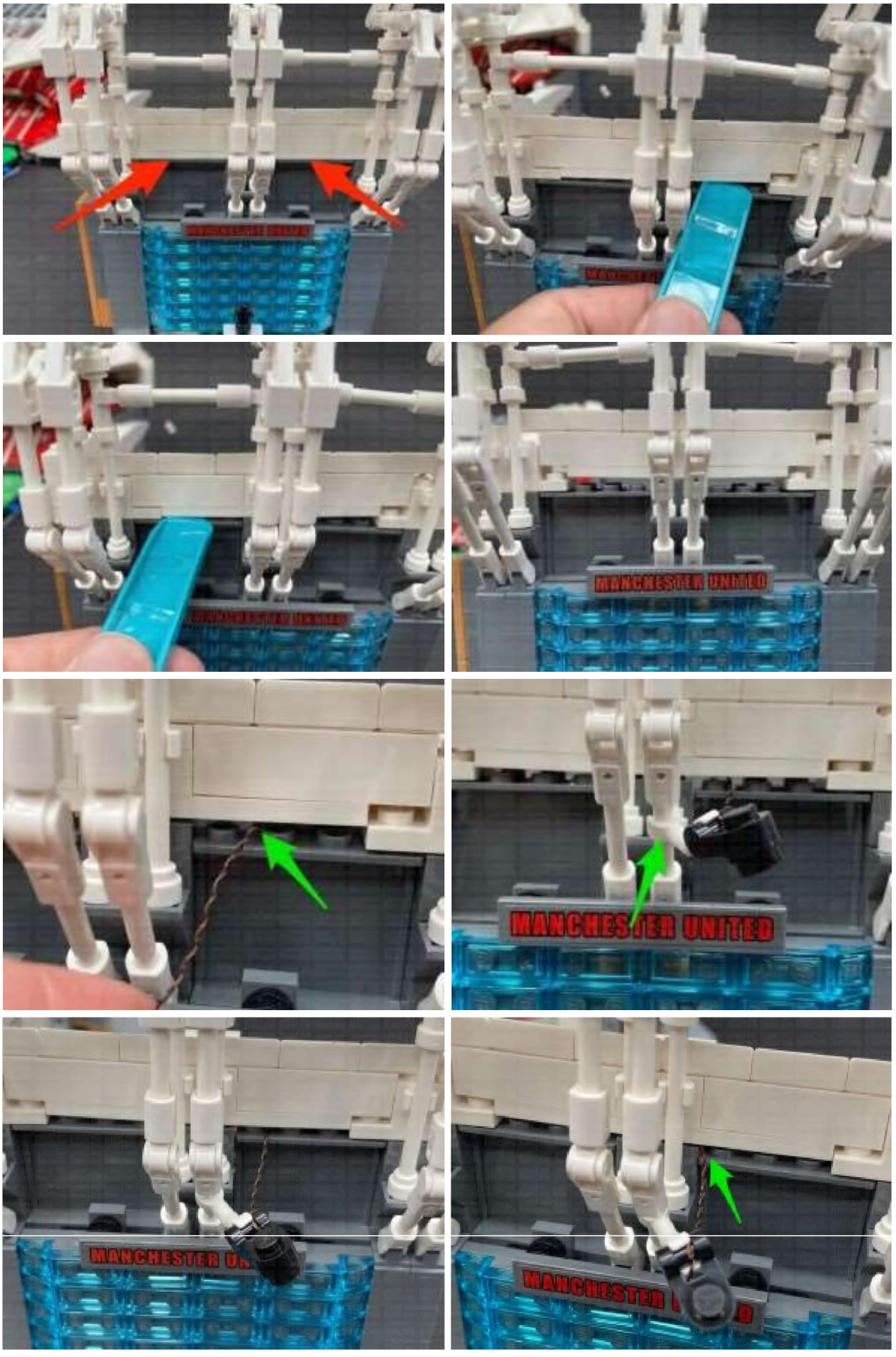




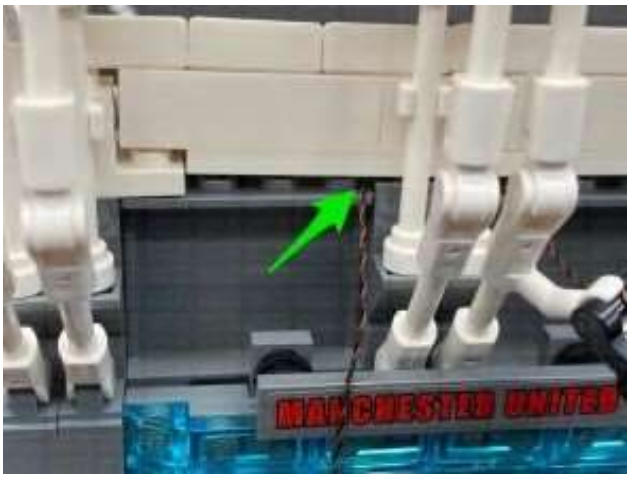
Repeat this step to install the other spotlight.

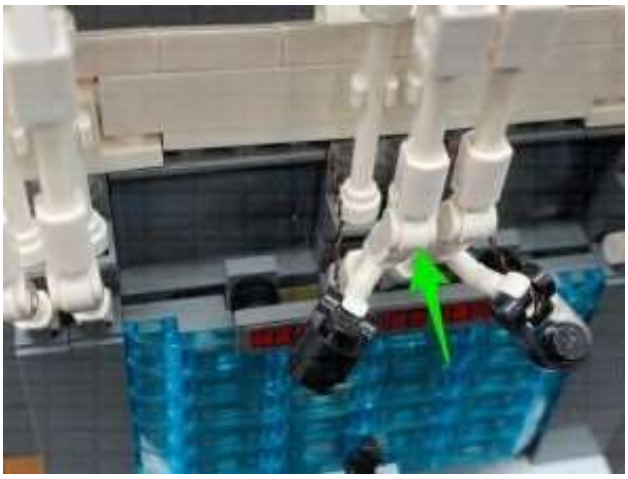
22.) Using your LEGO Removal Tool, create a gap just above the grey wall piecesabove the Manchester United sign. Thread one of the spotlight cables all the way through this gap, then connect it to the following rail. Position the spotlight toward the right and bend it slightly down

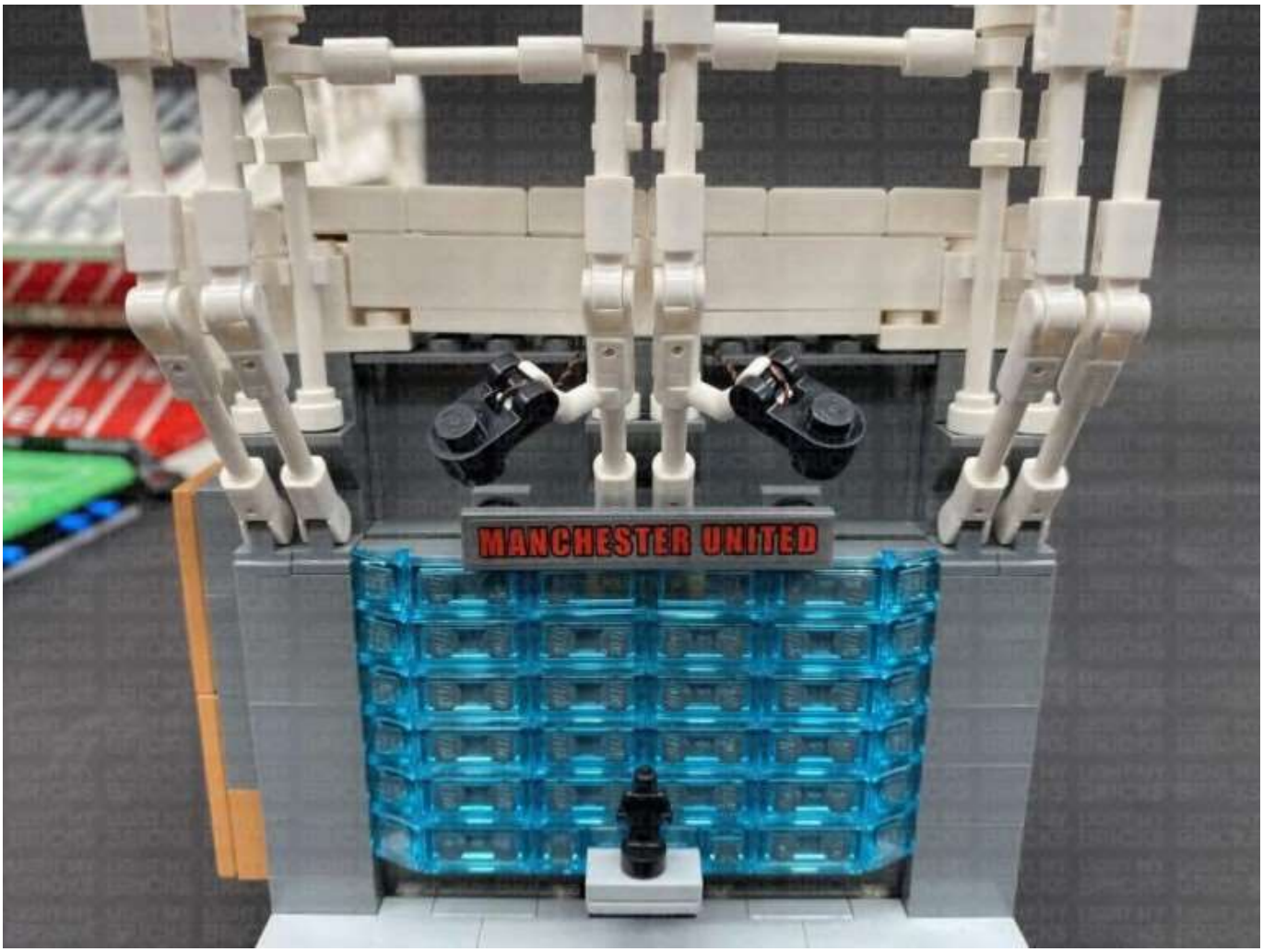
so that it will shine onto the right area of the Manchester United sign. Bring the cable over the left stud so that it is laid closer to the spotlight.



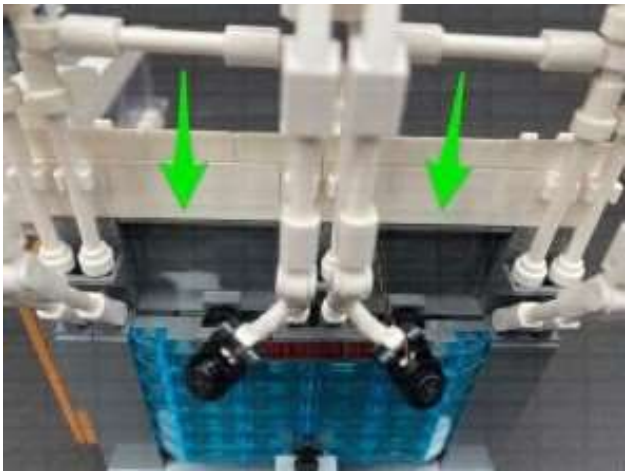
Thread the other spotlight cable through the following space on the left side, then connect it to the railing on the left. Position the spotlight slightly toward the left and bend it down to shine onto the Manchester United sign.

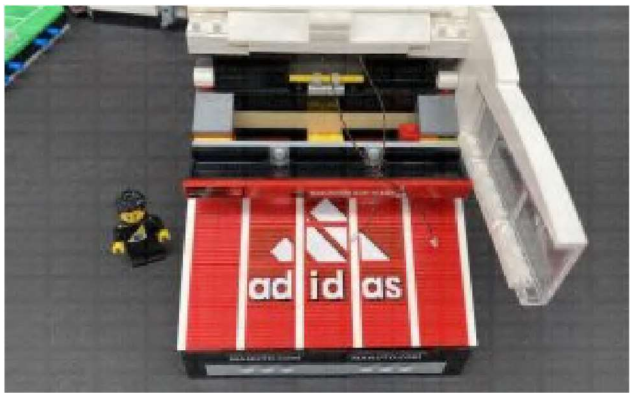


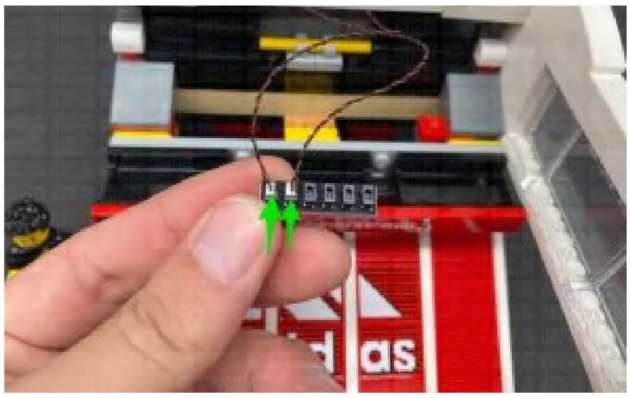




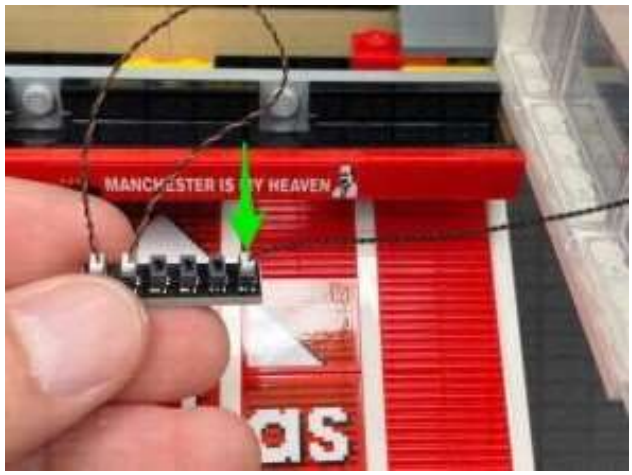
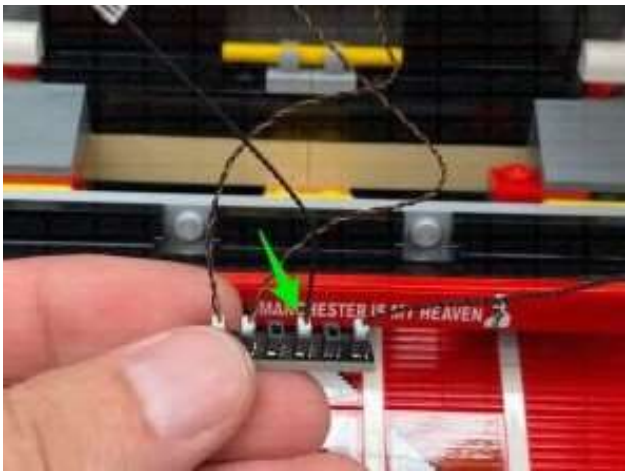
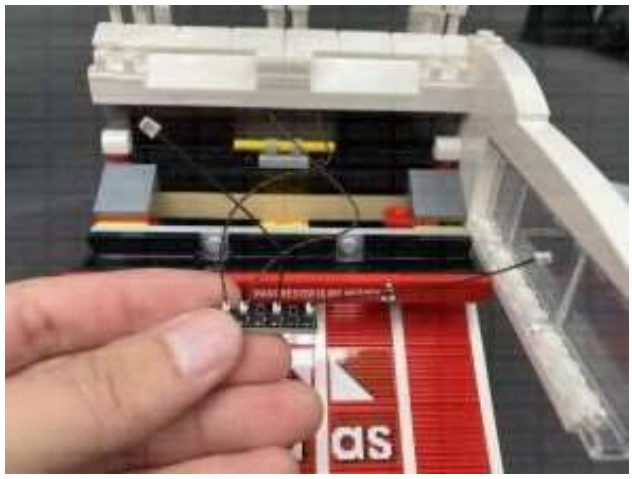
23.) Reconnect the bricks to close up the gap, then turn this section around andconnect the two White Bit Lights to a **6-Port Expansion Board.**

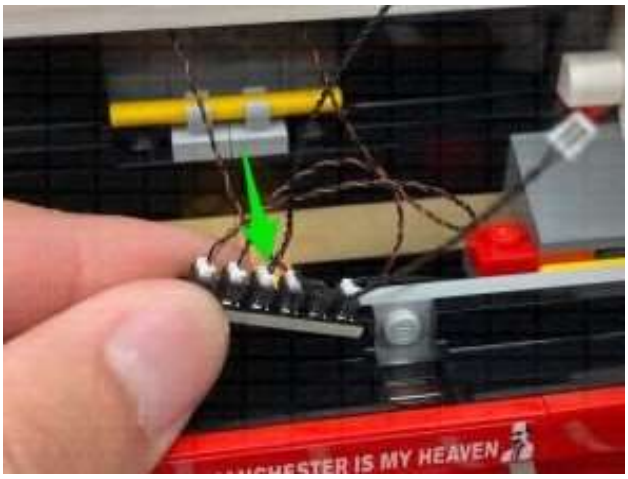




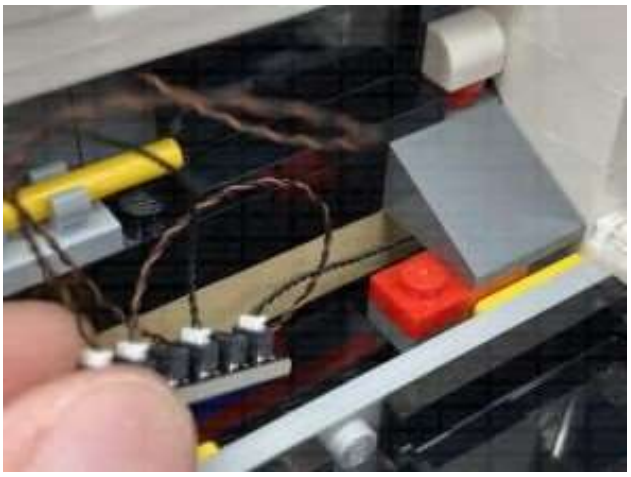


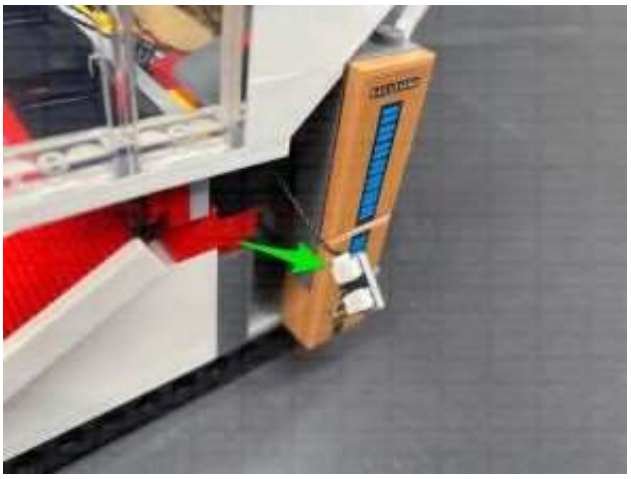
Take **2x 5cm Connecting Cables** and a **15cm Connecting Cable**, and connect them all to spare ports on the 6-Port Expansion Board. Ensure you connect one of the 5cm cables to the far right port on the expansion board.

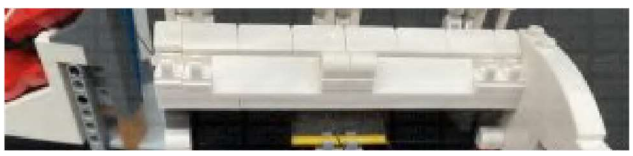


24.) Take the 5cm Cable on the right side and thread it through the gap on theright. Pull the cable out from the other side (East Stand) and connect it to a **2Port Expansion Board.**

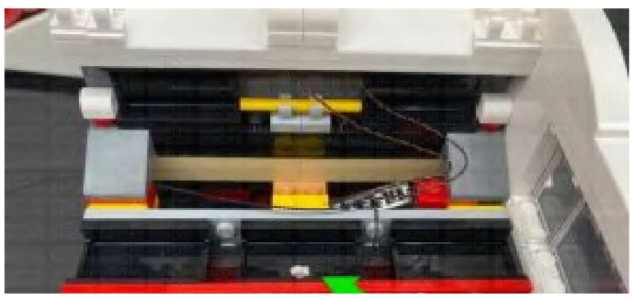
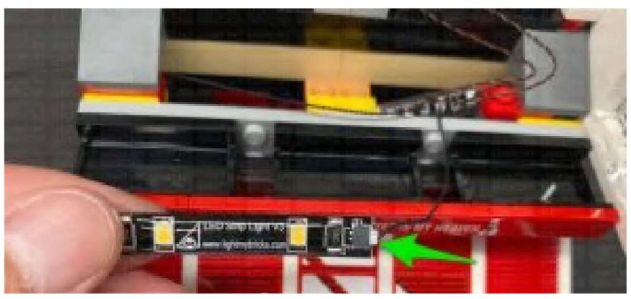




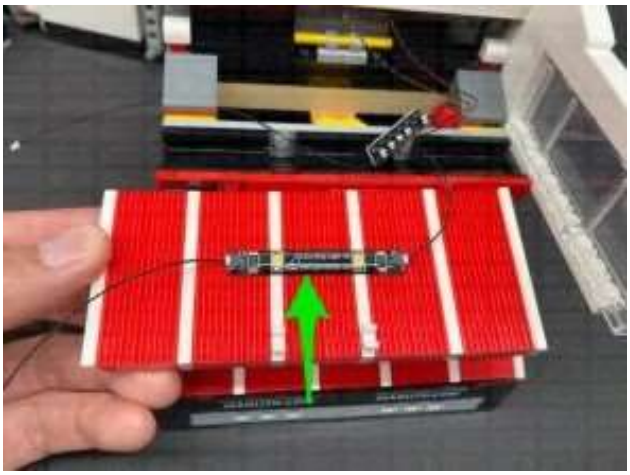
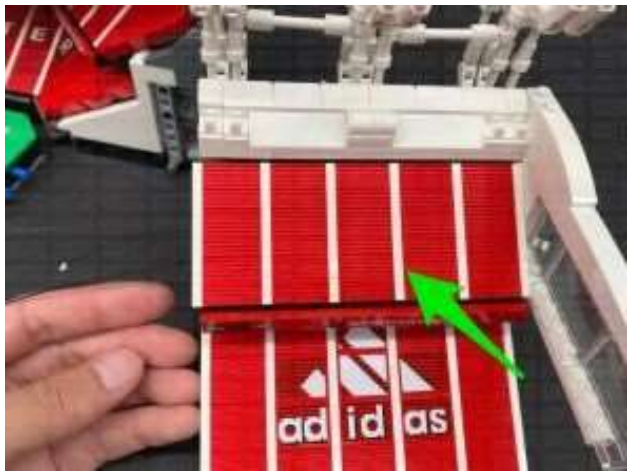
Thread the 15cm Cable through the space on the left side, pulling it all the way out from the other side.



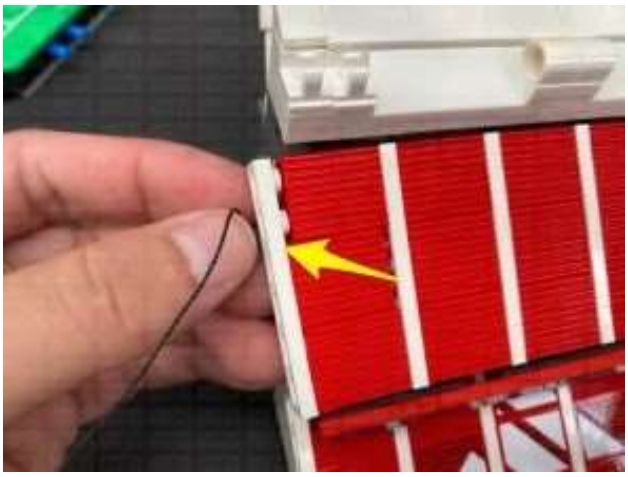
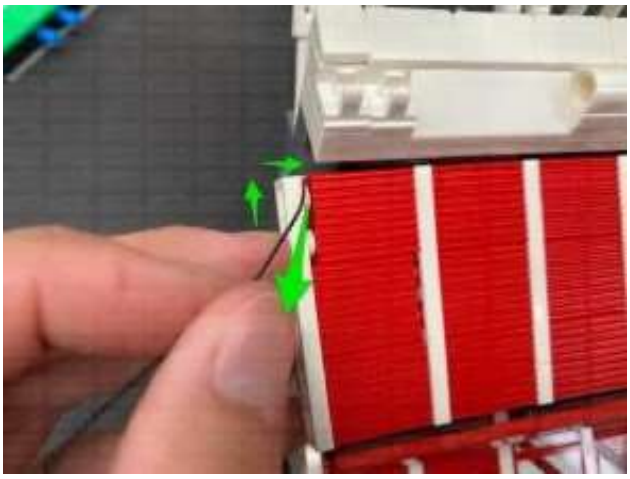
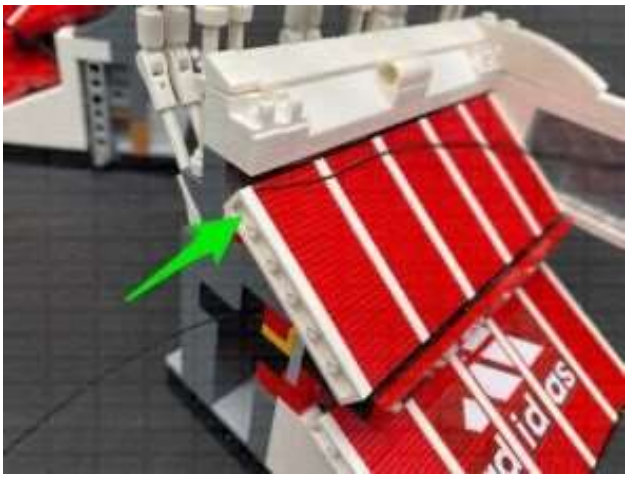
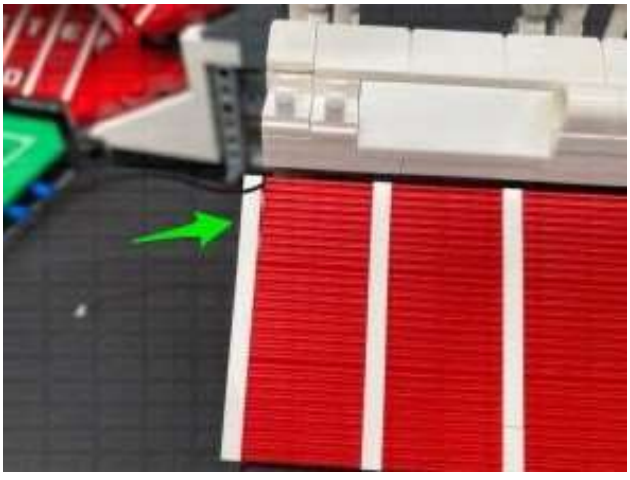
25.) Take the spare 5cm cable from the expansion board and connect it to theright port on a new **White Strip Light**. Take a **15cm Connecting Cable** and connect it to the strip light's other port.

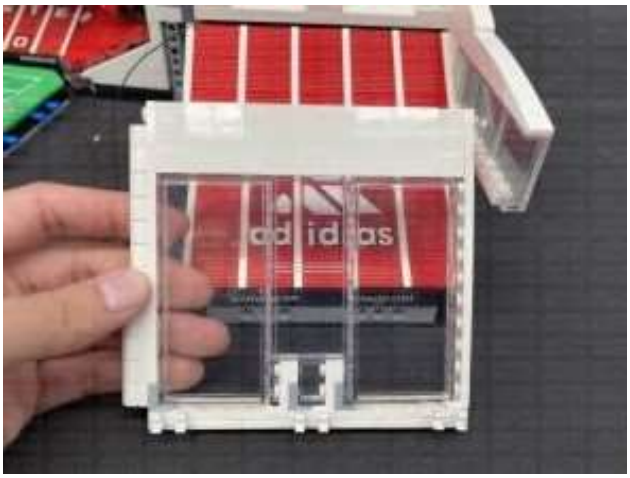
Take the top seat section we removed earlier and turn it over so we can access underneath. Using it's adhesive backing, stick the strip light underneath this seat section to the following position. Flip the section over and reconnect it to the stadium, ensuring the spare 15cm cable is on the left.

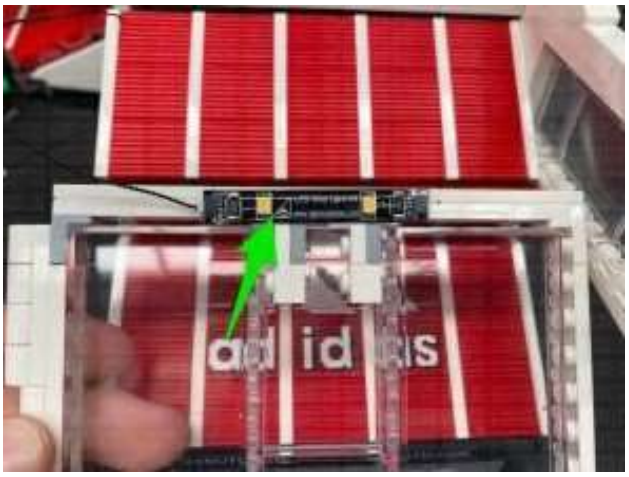
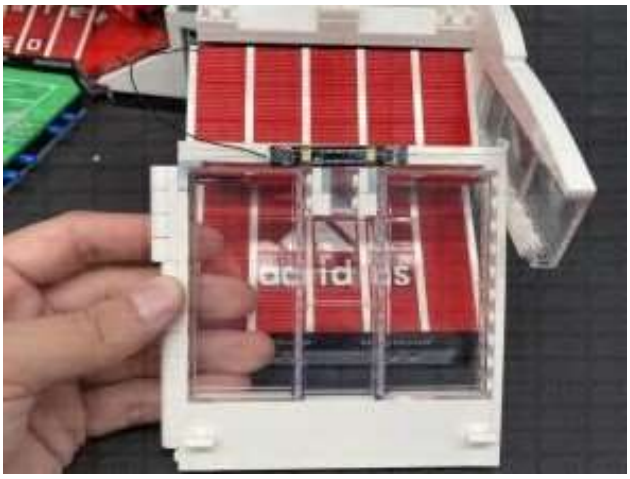
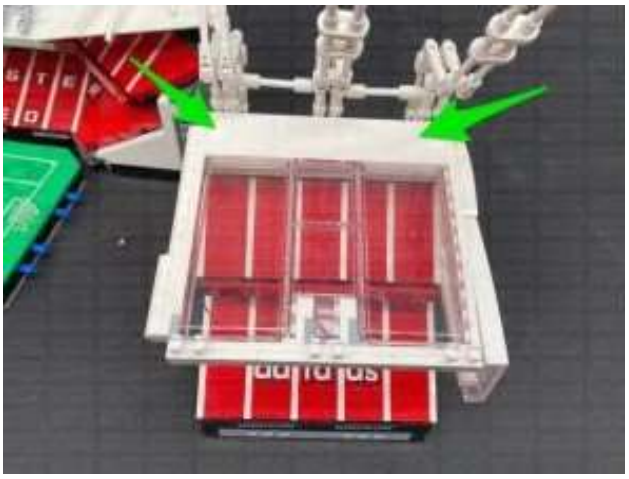



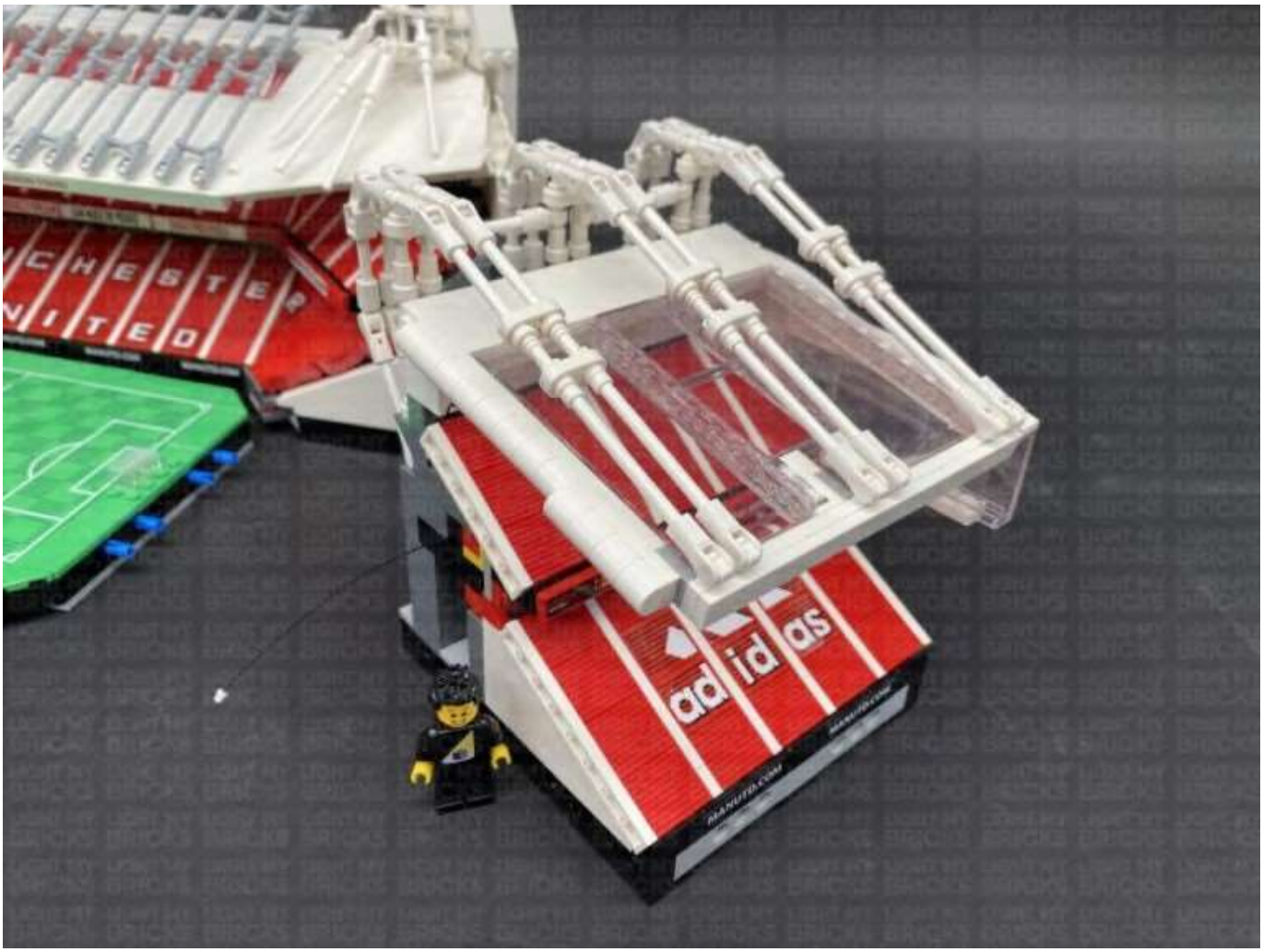
26.) Bring the 15cm cable up behind the top row of seats, then slightlydisconnect the white 1×6 plate and loop the cable around the plate in between studs. Reconnect the white 1×6 plate to secure the cable in place.

Take the roof section and turn it over so we can access underneath. Connect the 15cm cable to a **White Strip Light**, then using it's adhesive backing, stick it underneath the roof in the following position. Reconnect the roof via the clips.





27.) Bring the right section closer to the rest of the stadium and connect the15cm cable to the 2-port expansion board from the right side of the middle section.

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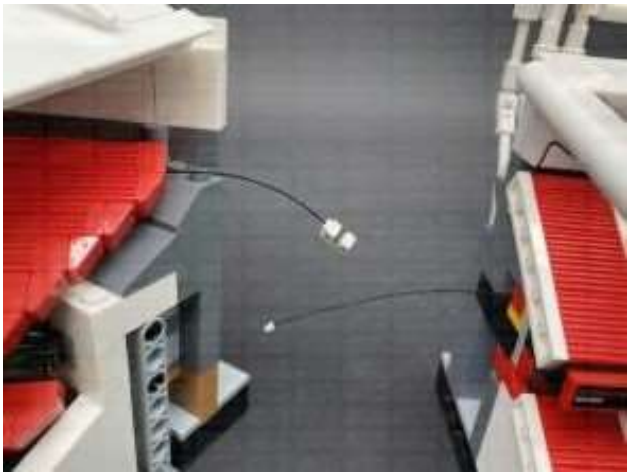
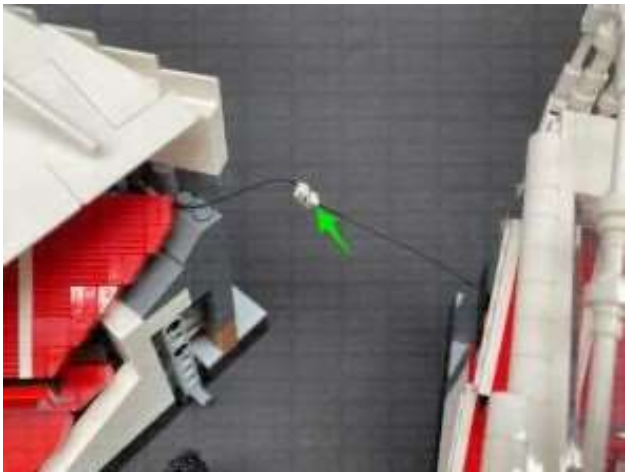
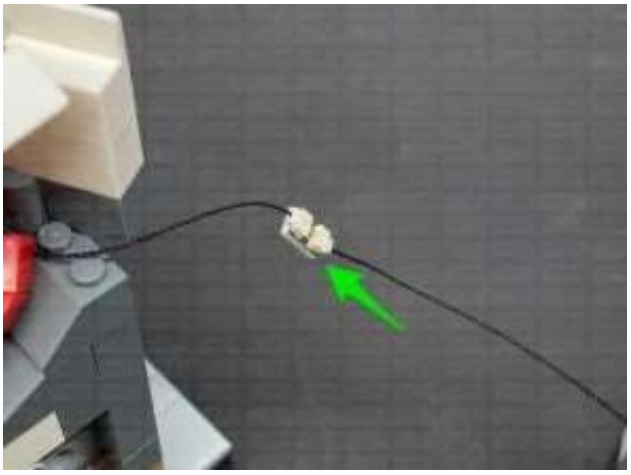






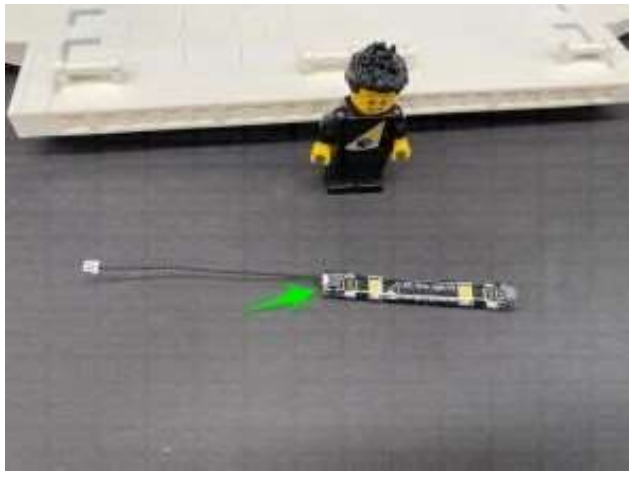
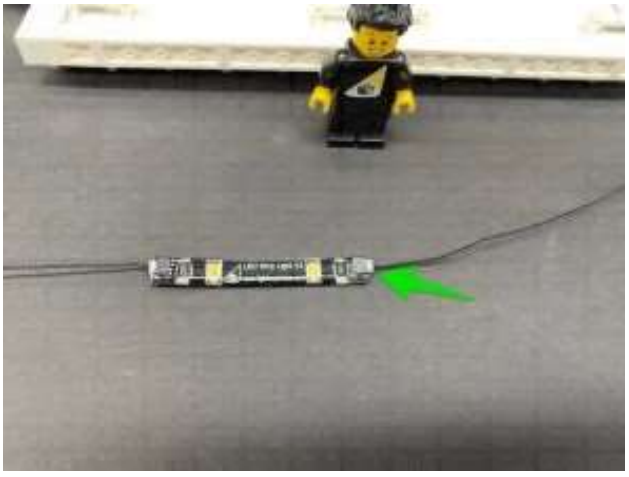
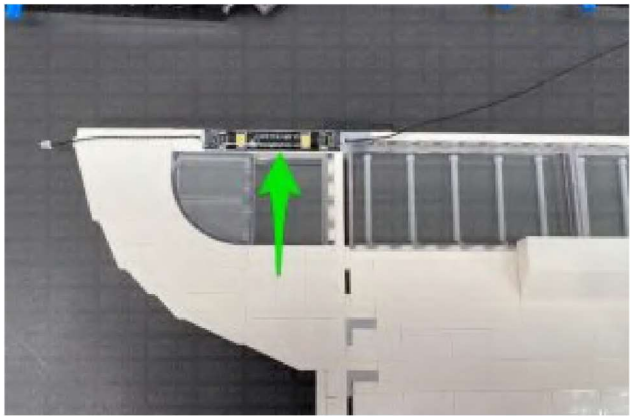
Push any excess cable in underneath the seat section from the middle section, then reconnect the right section to the field section. Reconnect all sections together as shown below.

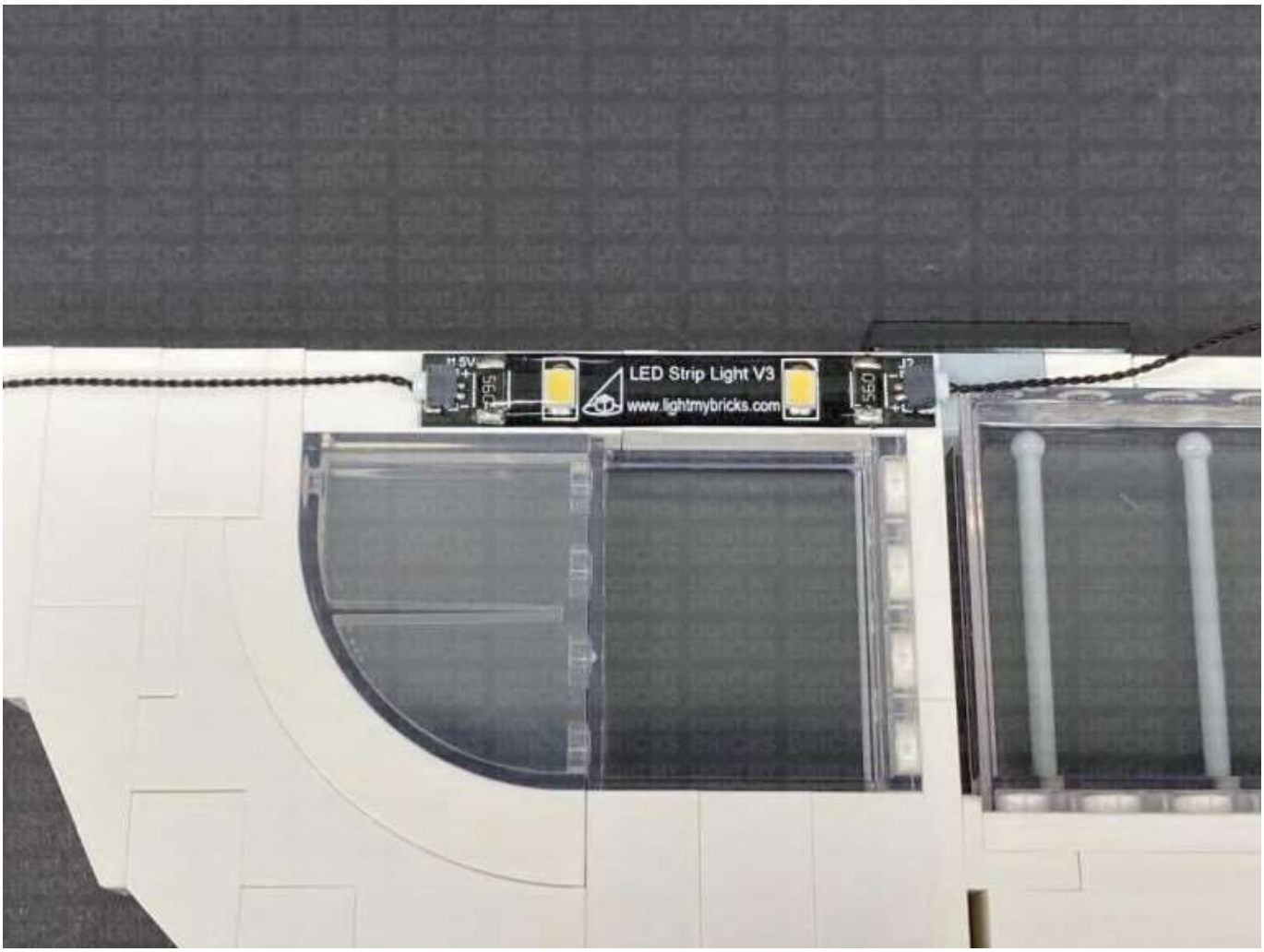
Turn ON the power to test all the lights connected to the stadium are working OK.

Note: If you experience any issues with the lights not working and suspect an issue with a component, please try a different port on the expansion board to verify where the fault lies (with the light or expansion board). To correct any issues with expansion board ports, please view the section addressing expansion board issues on our **online troubleshooting guide.**

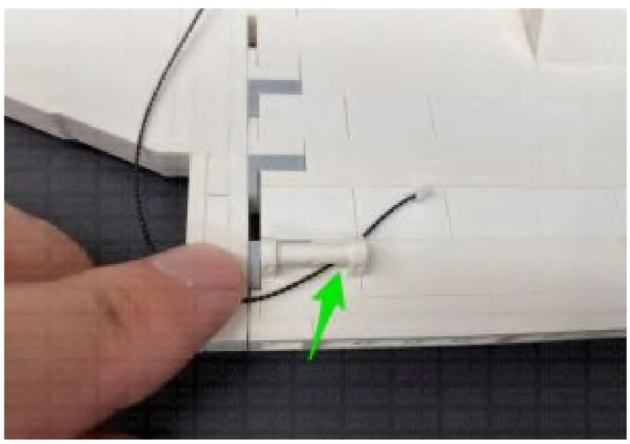
28.) We will now light up the remaining section of the stadium, the frontsection. Take this section and turn it around to the inside and disconnect the roof via the clips.

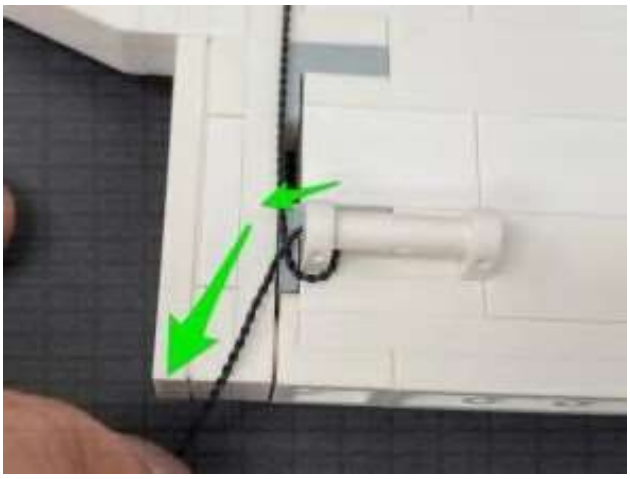
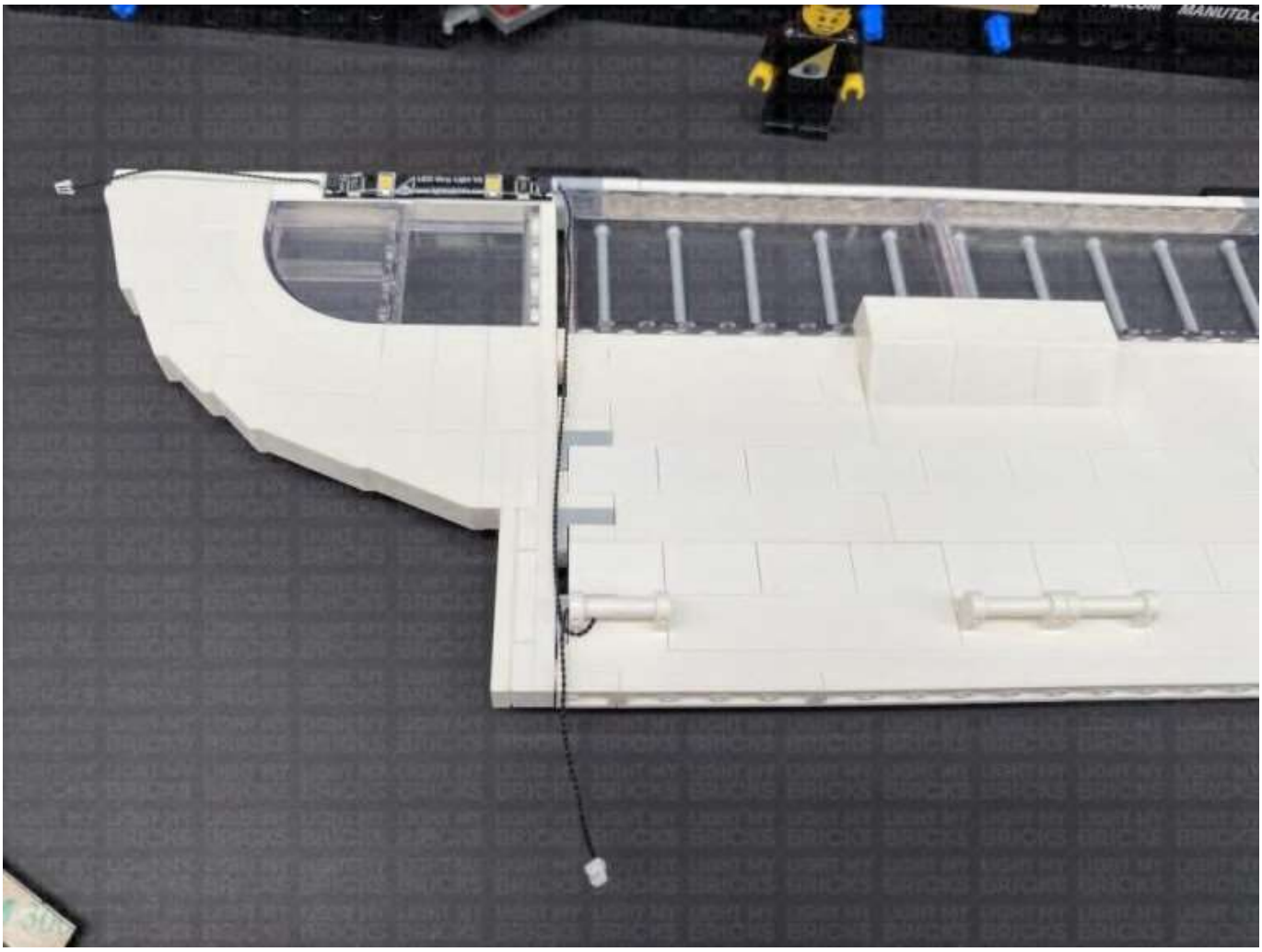
Take a **White Strip Light** and connect a **5cm Connecting Cable** to the left side, then connect a **15cm Connecting Cable** to the right side. Using it's adhesive backing, stick the strip light underneath the roof to the following position.

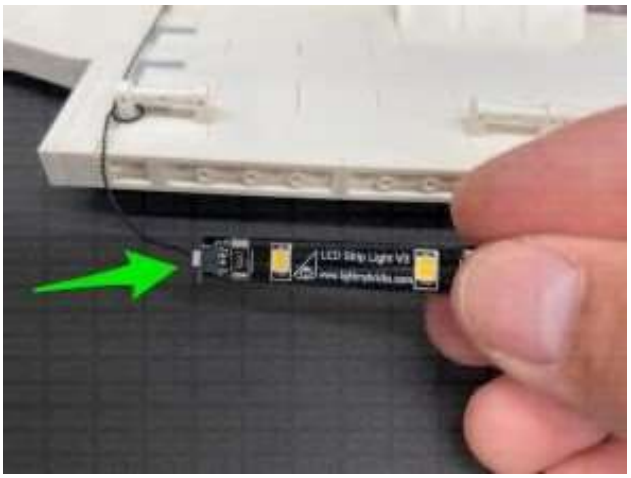


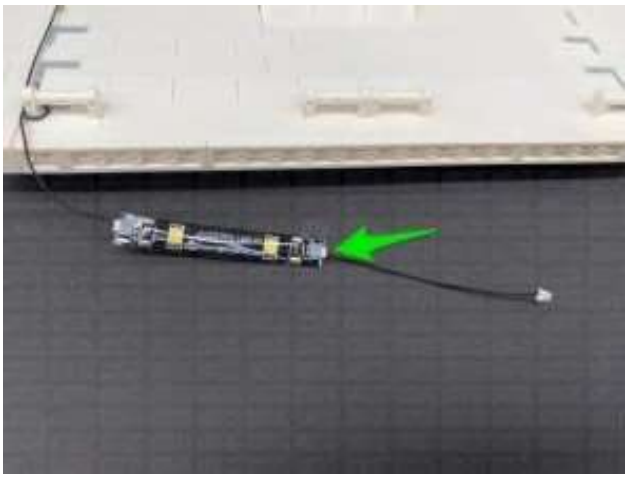
29.) Bring the 15cm cable down and thread it up under the white handle plate.Bring the cable over the left side of the handle, then pull the cable down to tighten the cable and prevent it from dangling down toward the middle.

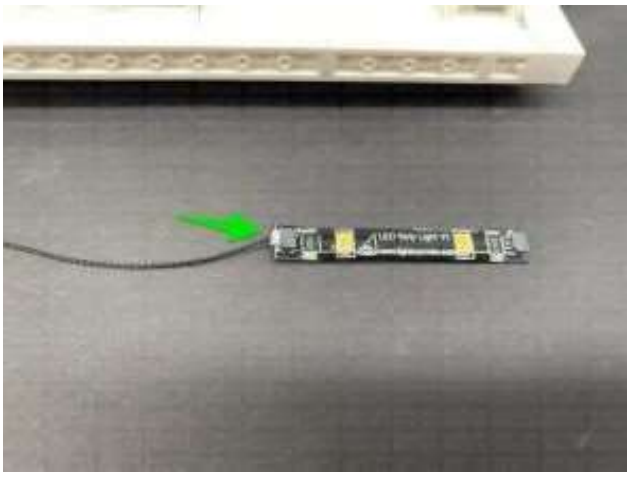


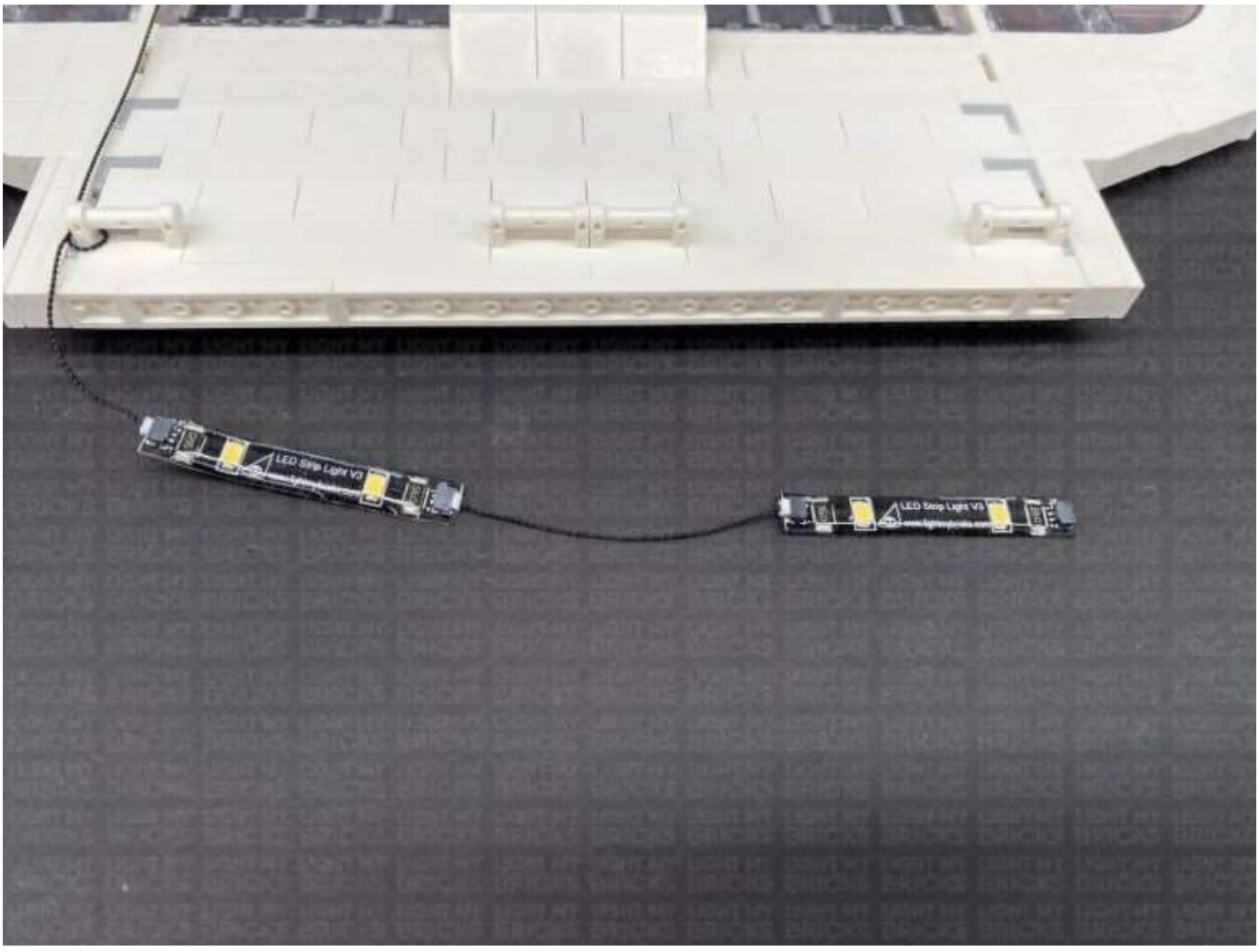



30.) Connect the 15cm cable to a new **White Strip Light.** Take a new **5cm Connecting Cable** and connect it to the right port, then connect the other end of the cable to another **White Strip Light**.

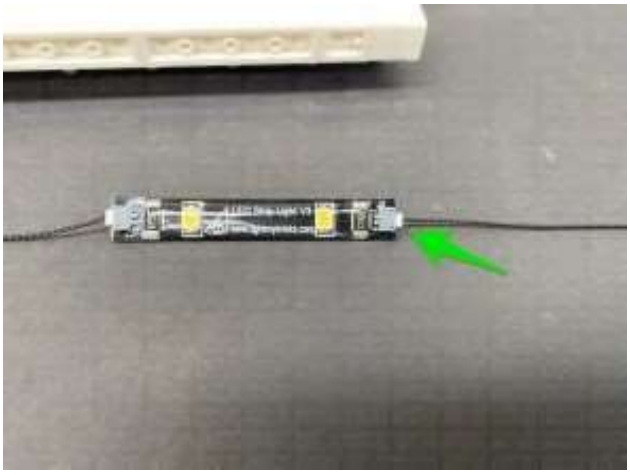

LED Strip Light V3

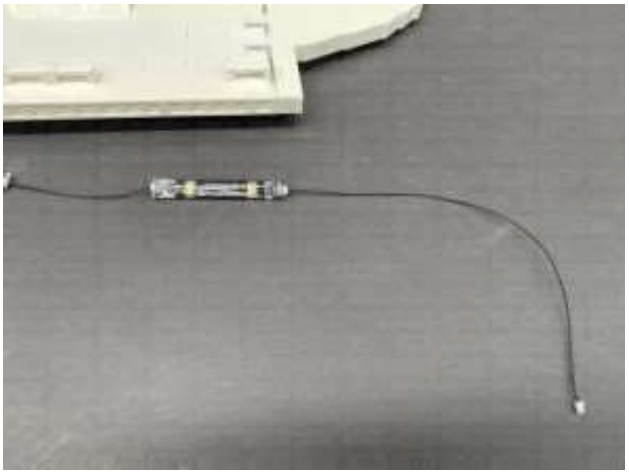


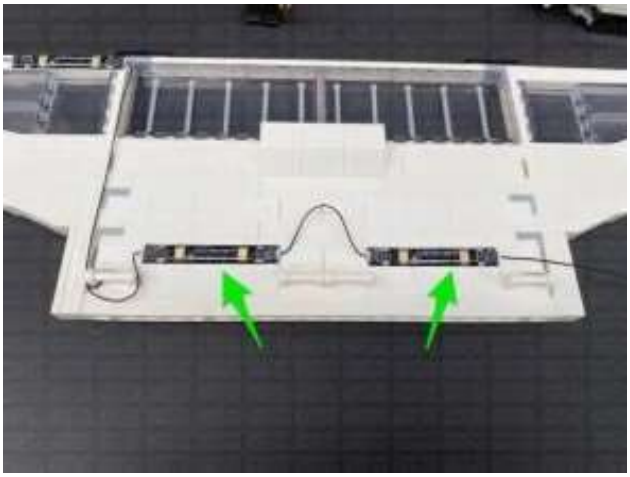


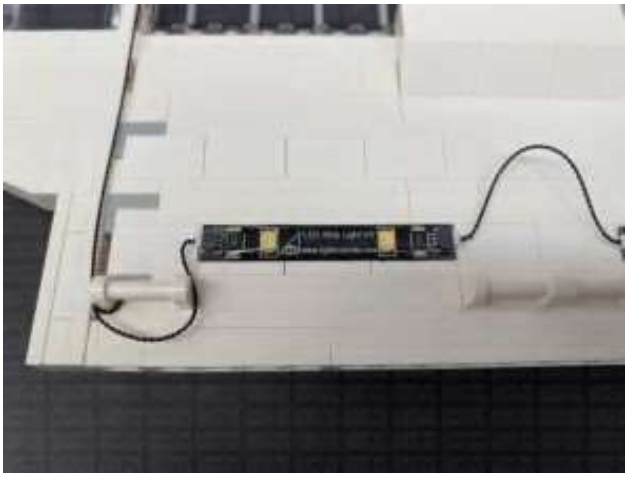

LED Strip Light V3
LED Strip Light V3

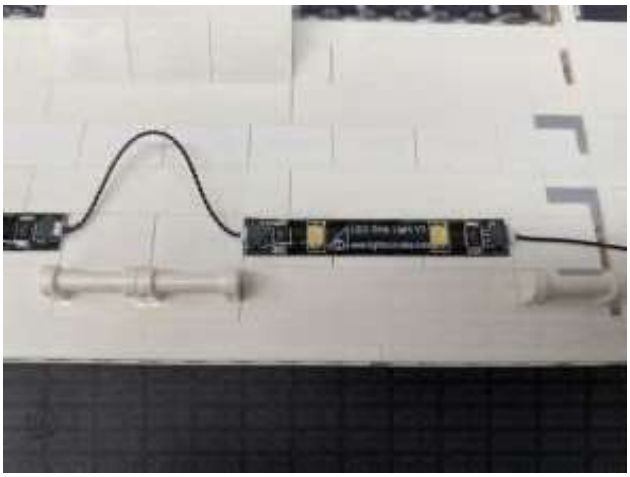
Take a **15cm Connecting Cable** and connect it to the white strip light's right port, then using the adhesive backing on the strip lights, stick both of them underneath the roof to the following positions.



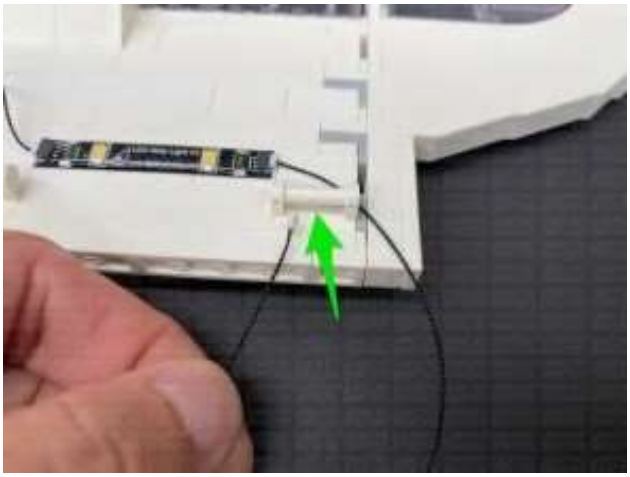
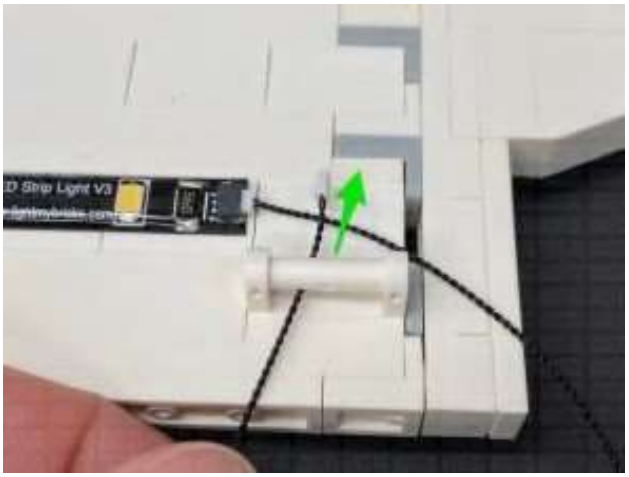


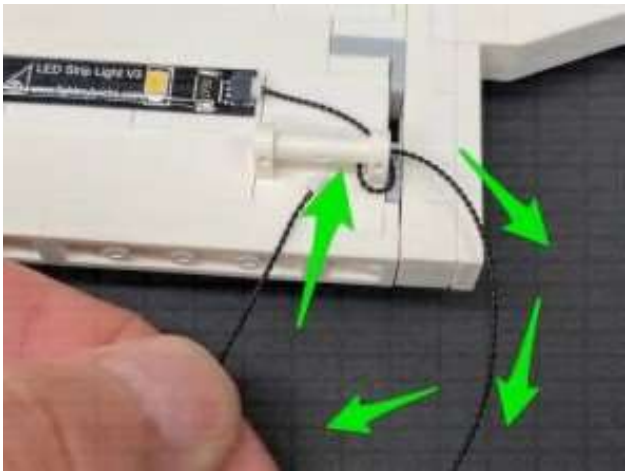
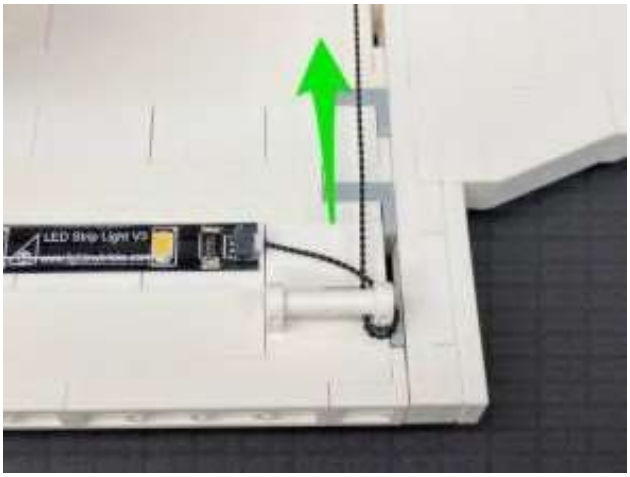




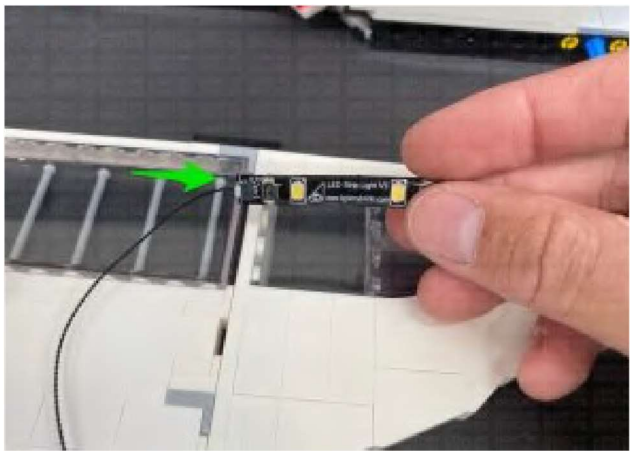


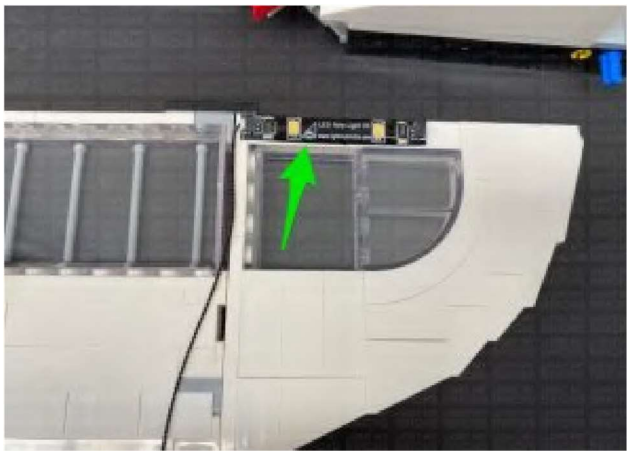
31.) Bring the 15cm cable over the right side of the white handle, then thread itup through the space underneath. Pull the cable out from the top, then thread it through the handle again to create a double loop.

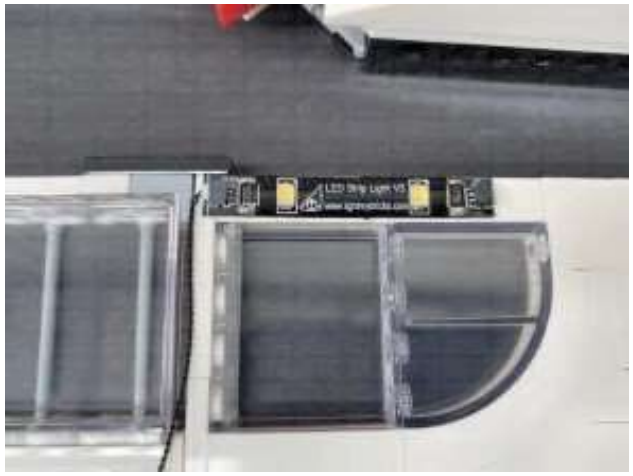



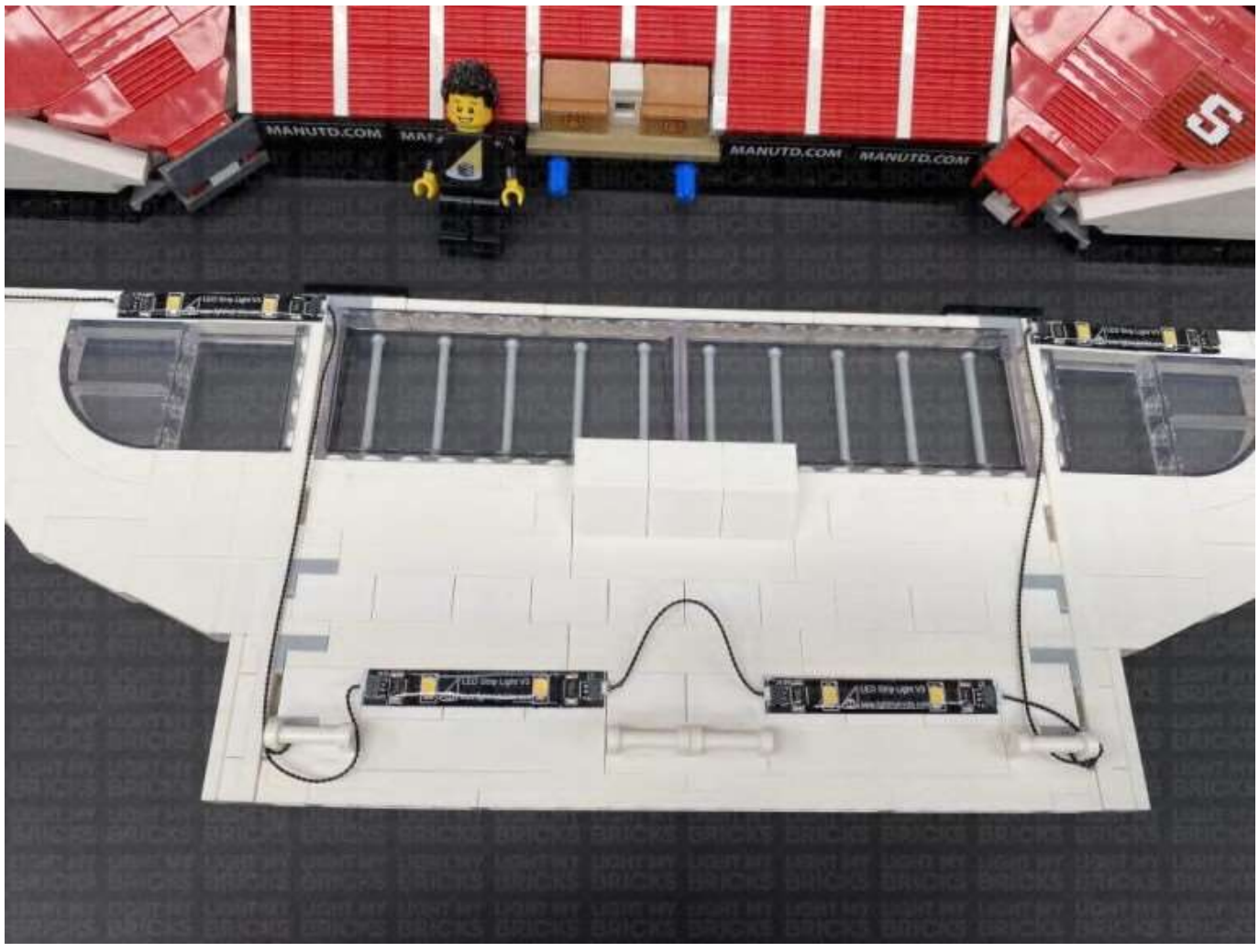



Connect the other end of the 15cm cable to the remaining **White Strip Light**, then using it's adhesive backing, stick the strip light underneath the roof to the following position.





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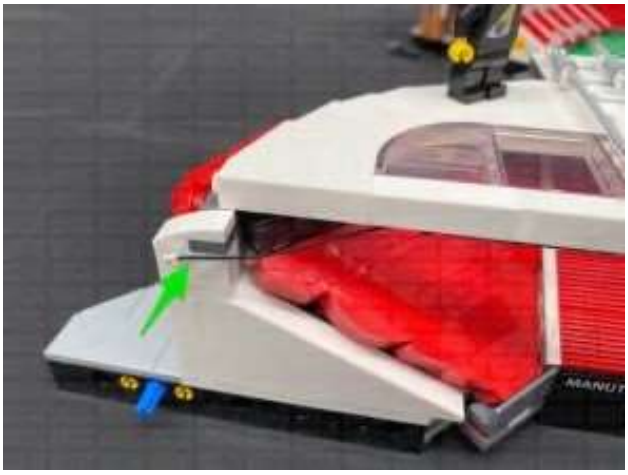
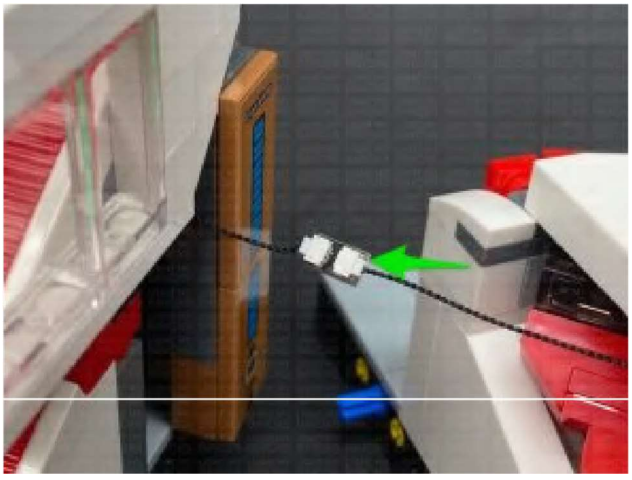
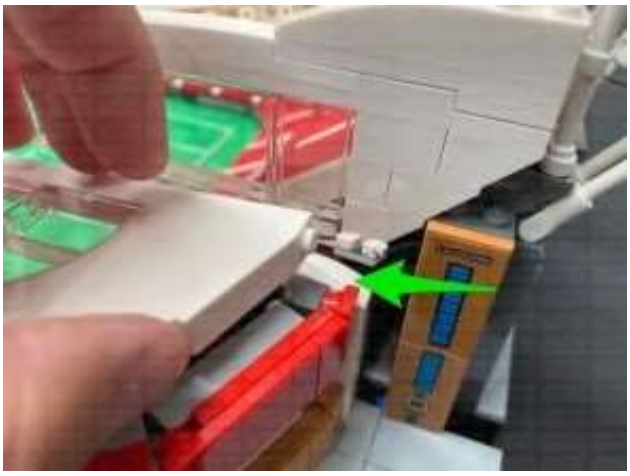
32.) Flip the roof section over and reconnect it to the stadium. Ensure the spareend of the 5cm Connecting Cable is accessible.



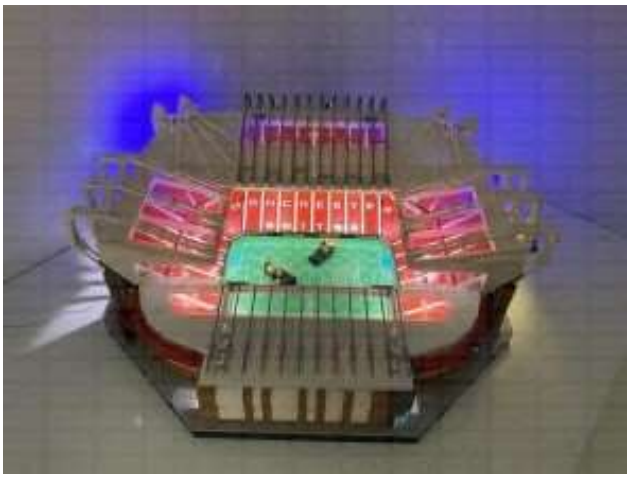
Bring the front section close to the right side section and connect the 5cm cable to the 2-port Expansion Board sticking out the right side.

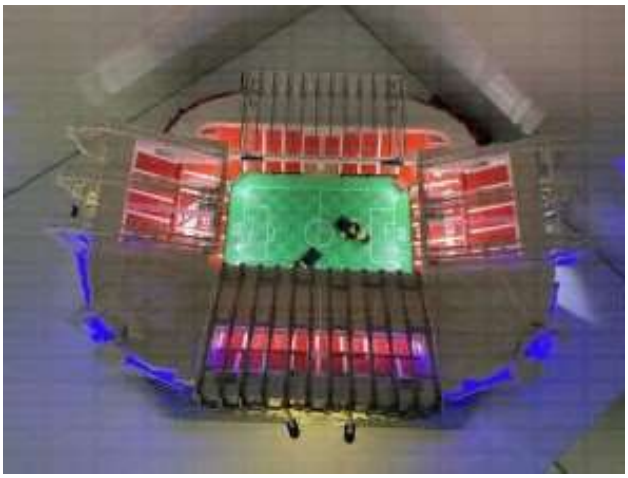


Bring the front section closer to the rest of the stadium, then tuck the 2-port expansion board underneath the right side of the front roof section as shown below. Securely reconnect all sections together.



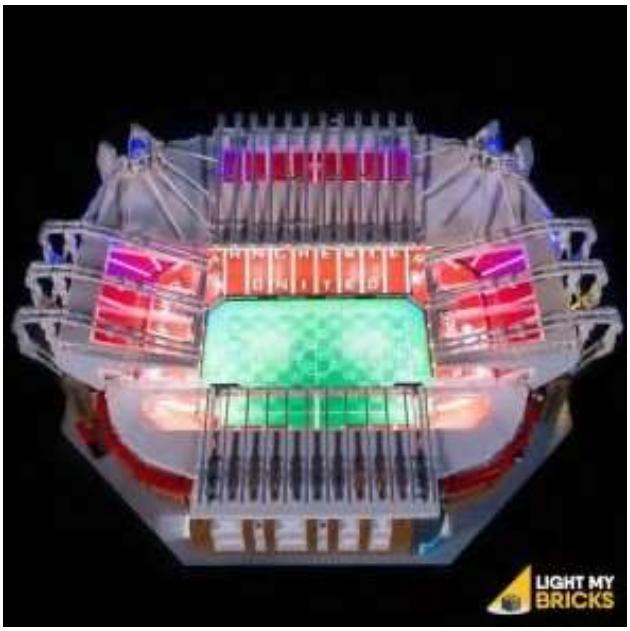
Turn ON the power to test all lights installed to the stadium are working OK.





This finally completes installation of the Light My Bricks Old Trafford – Manchester United 10272 Light Kit.

We thank you for purchasing this product and hope you ENJOY!



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