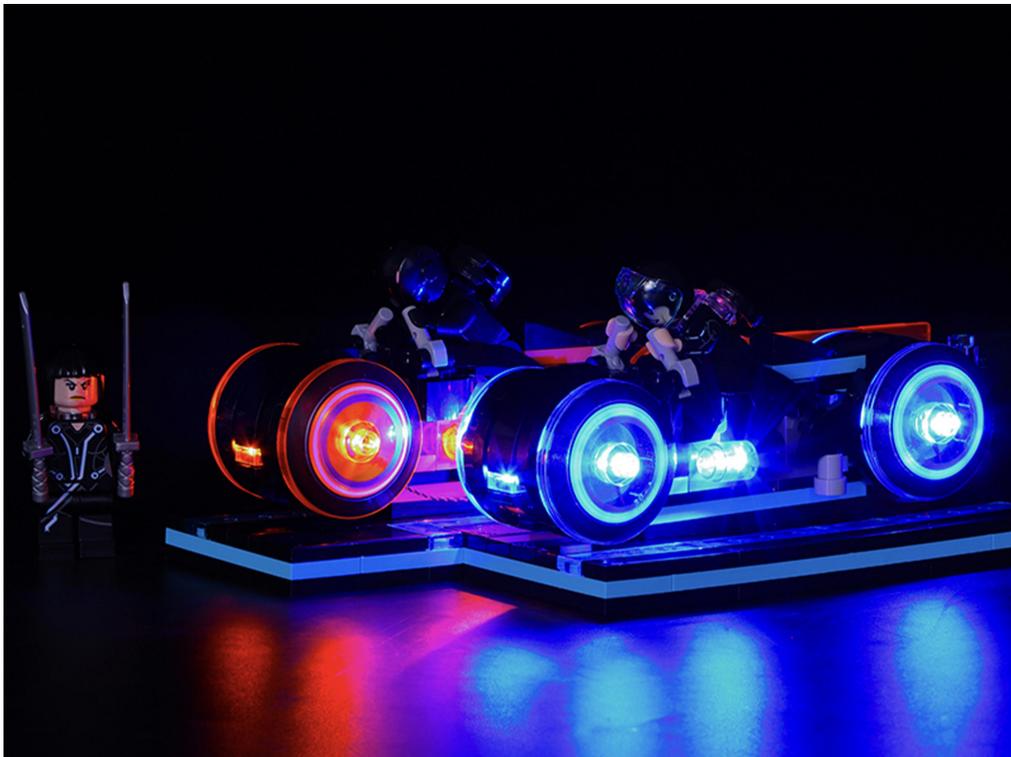


# 21314 Legacy P95

- P95 is the unique code of lighting set, we use this to accurately identify the product you purchased and the corresponding manuals and services you need to obtain. Please make sure your product code is the same as the label on the back of the box shown “21314 P95”.
- Installation requires a lot of patience and great observation that your LEGO bricks will come alive when you get this finished. The bricks with lighting as below, so make sure you're ready and let's get started.



# Strategies for the Installation

This instruction divides three sections to complete the installation of the lighting set.

## **Section A:** Check the type and quantity of components.

The quantity and type of components of each products are different and it needs to be carefully checked to make sure there do have enough material.

The type of components is indicated by the label on the bag.

## **Section B:** Test that each components is working properly.

Each components is made individually so it is necessary to test that each components is working properly to avoid the situation that the lighting does not work .

## **Section C:** laying out components following the instruction.

Our material is very small but not fragile, just be reminded that don't to pull the wires too hard. For different people, there may be some installation steps that you can't understand. Please look at the previous and later installation step

## **Section A: Check the type and quantity of components.**

**There are 6 bags in this set. The name and quantities of specific components are as shown , please check carefully.**

Label	Content	Quantity
Expansion Board	6 Socket Expansion Board	1
	12 Socket Expansion Board	1
AA Battery Box	AA Battery Box	1
Connecting Cables-5CM	Connecting Cables-5CM	1
Bit Lights-30CM-Blue	Bit Lights-30CM-Blue	7
Bit Lights-30CM-Orange	Bit Lights-30CM-Orange	7
Parts package		

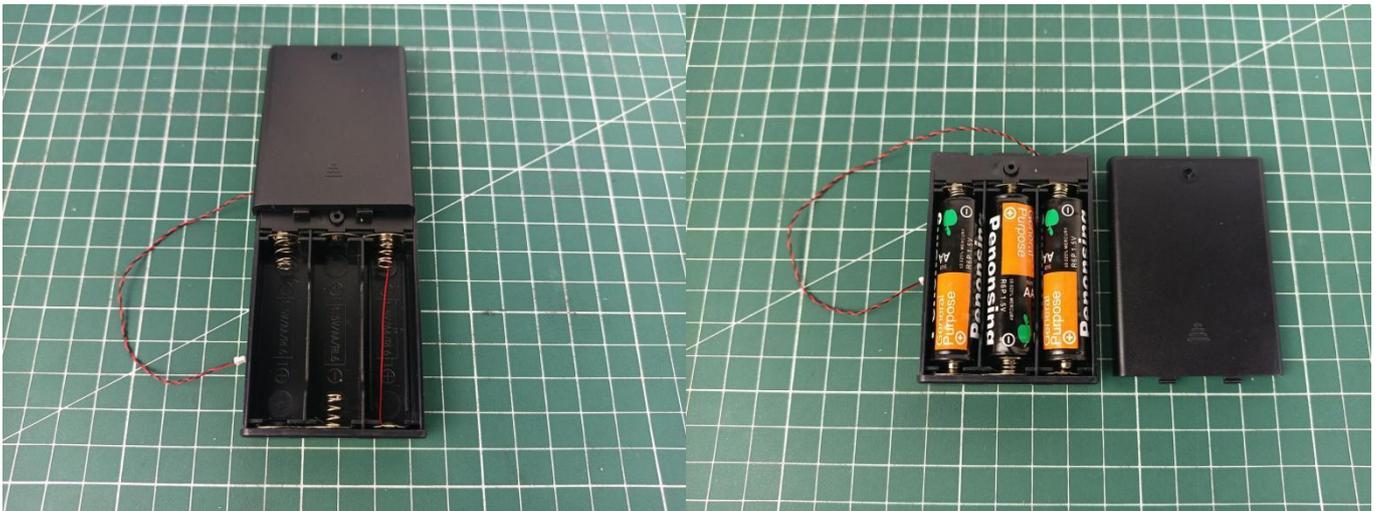
**Please contact us immediately if there have any missing components.**

## Section B: Test that each components is working properly.

We need a structure to test all lights, so take out the bag with label “AA Battery Box” and “Expansion Boards”as follows.

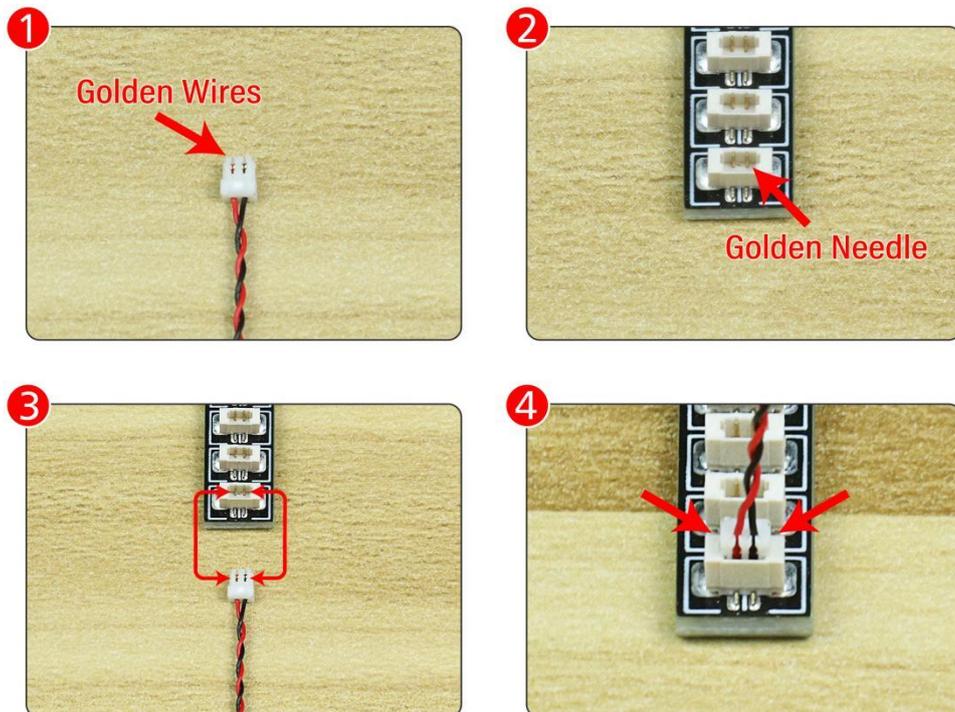


The AA Battery Box does not contain batteries, please buy three AA batteries in the nearest store and install it in the AA Battery Box.



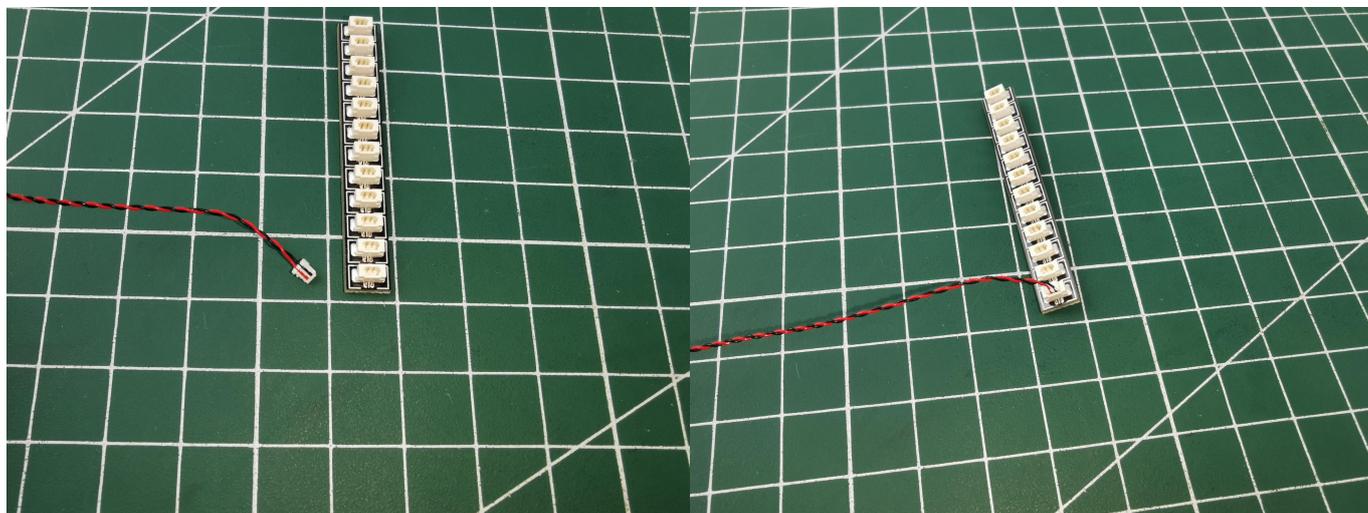
It is worth reminding that our products are all customized. They have a unique way of connecting. The white plug on wire and the socket of the expansion board need to be connected together to transmit power.

Note that on one side of the white plug you can see two very small golden wires that should be connected to the two golden needles in socket of the expansion board. shown as blow.

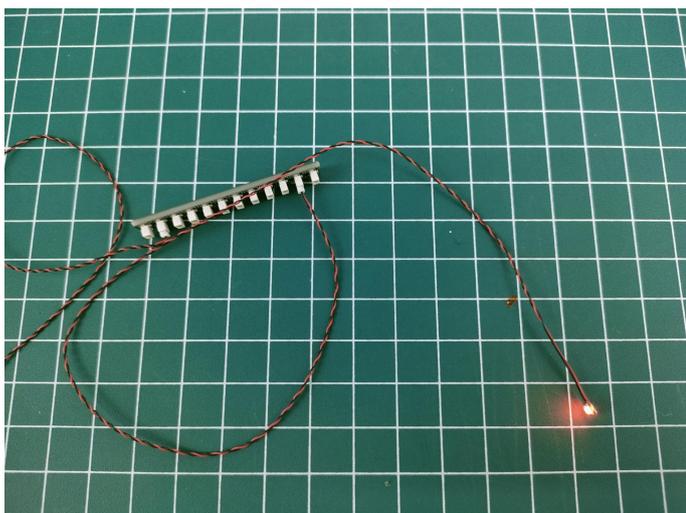


All our connections between plug and socket are all the same as shown above. So for any such structure with plug and socket, please pay attention to the golden wire of the plug and the golden needle of the socket, they must be touched together.

The connection method between the AA Battery Box and Expansion Boards is as follows:



when we test "Bit Lights-30CM-Orange" particles,Take out the bag labelled "Bit Lights-30CM-Orange".Take out one of the light and connect it to the socket. Turn on the battery box, the light will turn on normally as shown below.



Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.

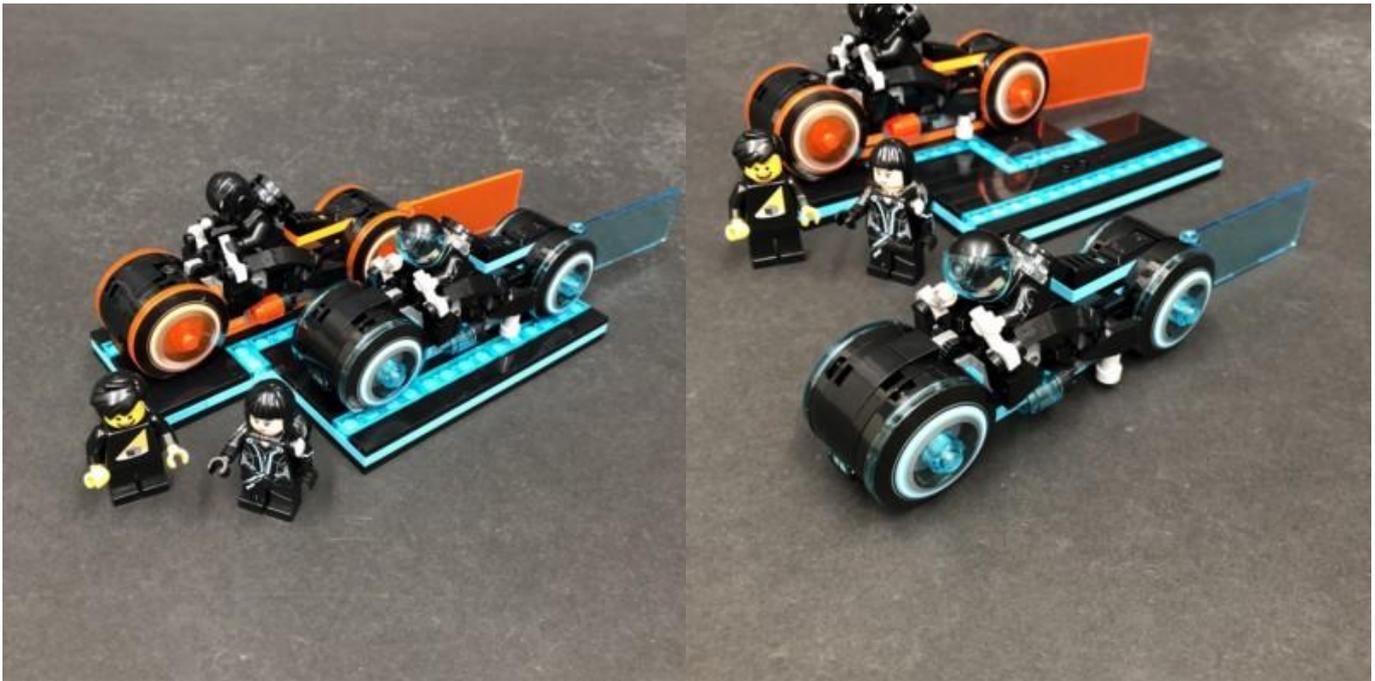


The components needs to be tested in this set is 7\*Bit Lights-30CM-Blue,6\*Bit Lights-30CM-Orange.

Please contact us immediately if any components don't work.

**Section C:** laying out components following the instruction.

1. We will light the blue vehicle first. Start by disconnecting it from the base plate and then remove the centre 1x8 plate from underneath as well as the light sections from each side.



2



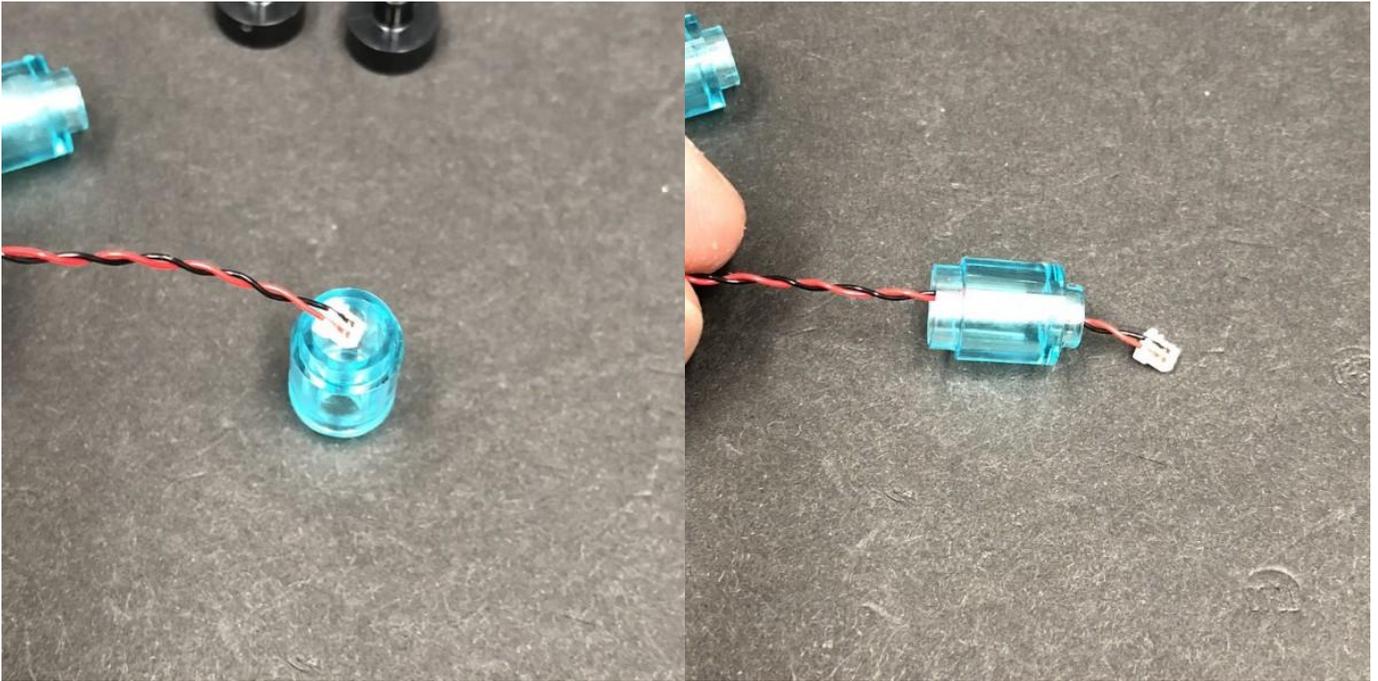
3



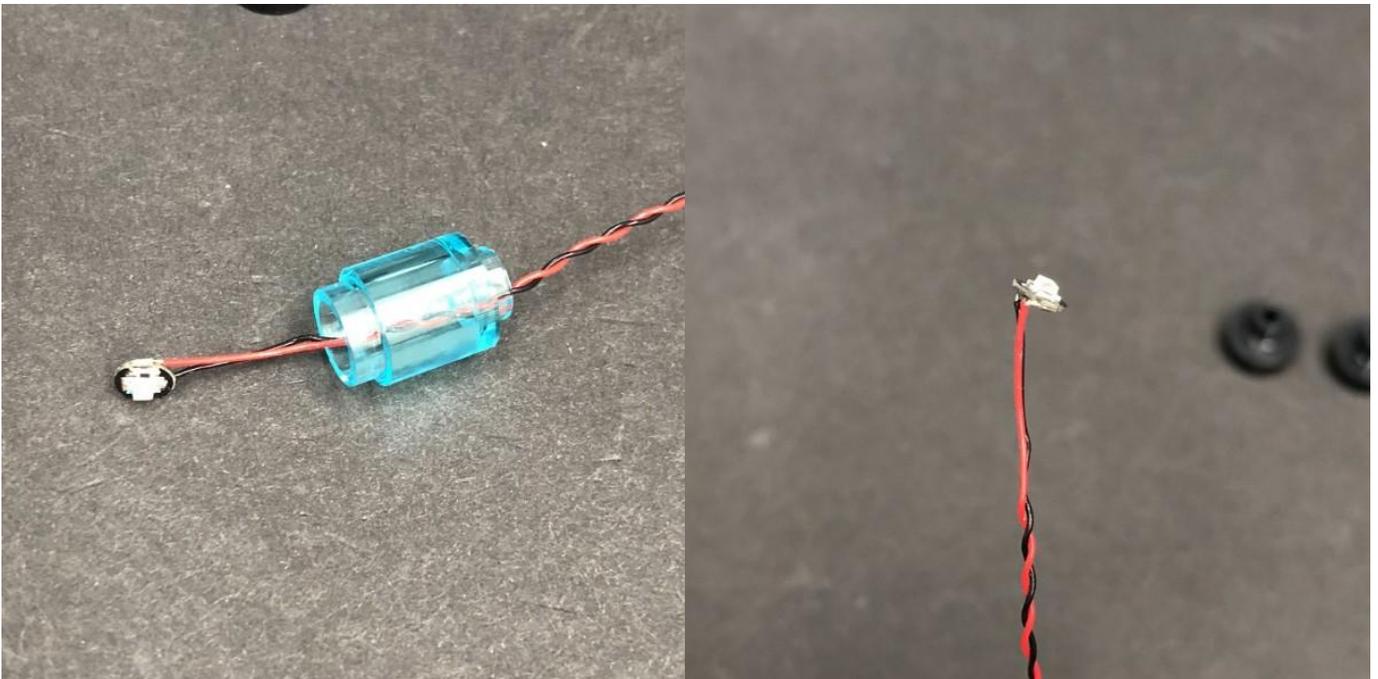
**4. Disassemble the two light sections and take a Blue 30cm Dot Light and thread the connector side of the cable through the base (larger hole) of one of the trans light blue round bricks.**



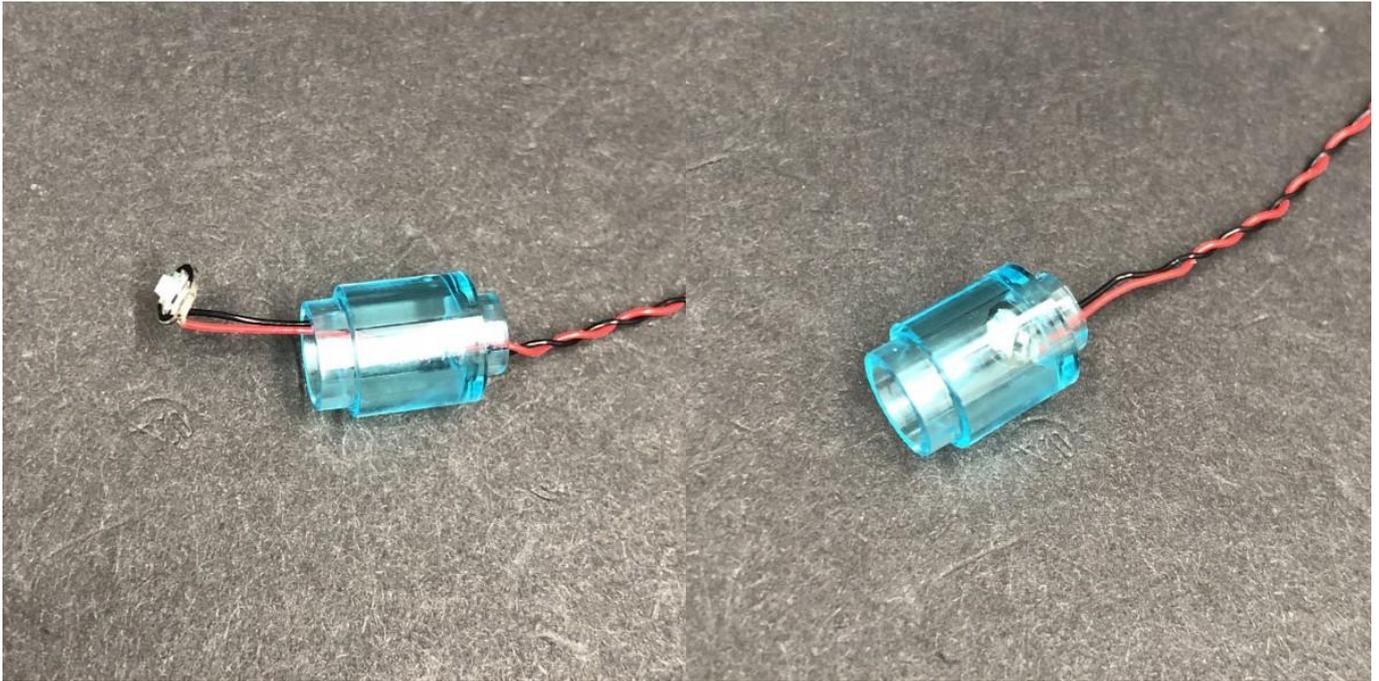
5



**6. Thread the cable all the way through and slightly bend the Dot Light on a 90 degree angle so that it is facing upward, before pulling the cable all the way out from the other side of the brick.**



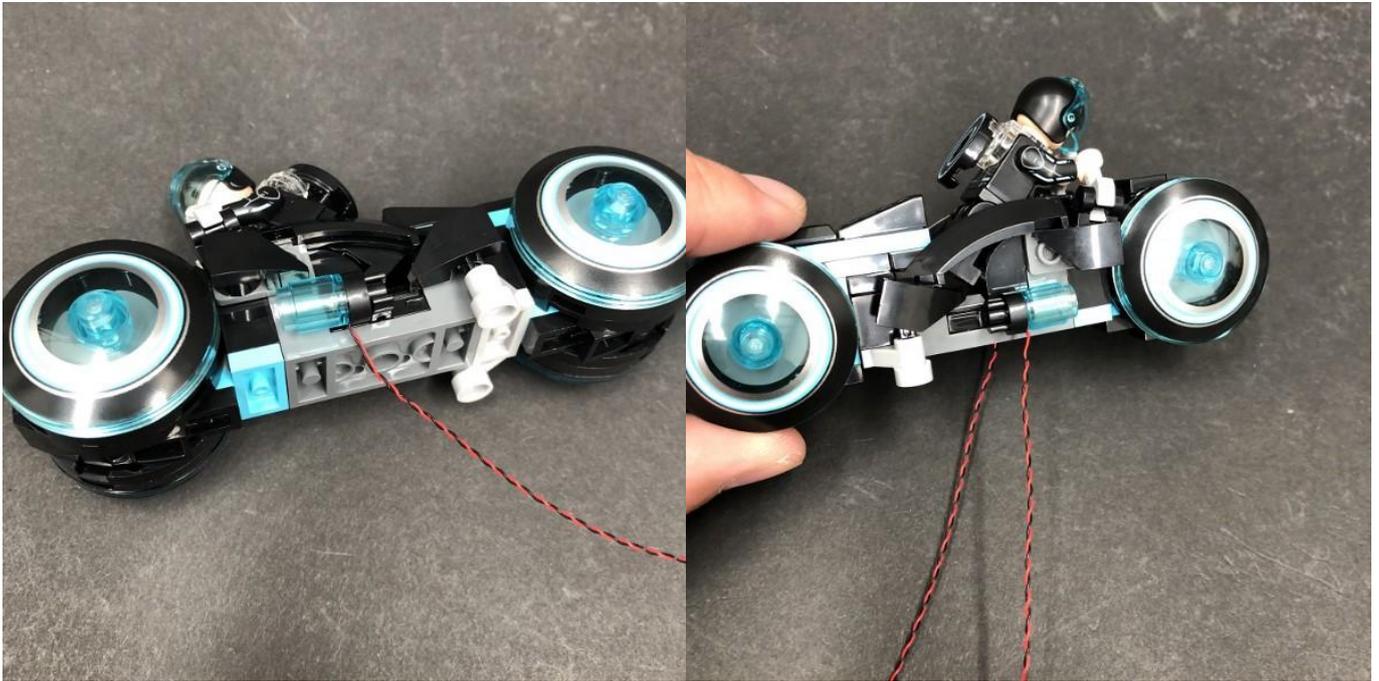
7



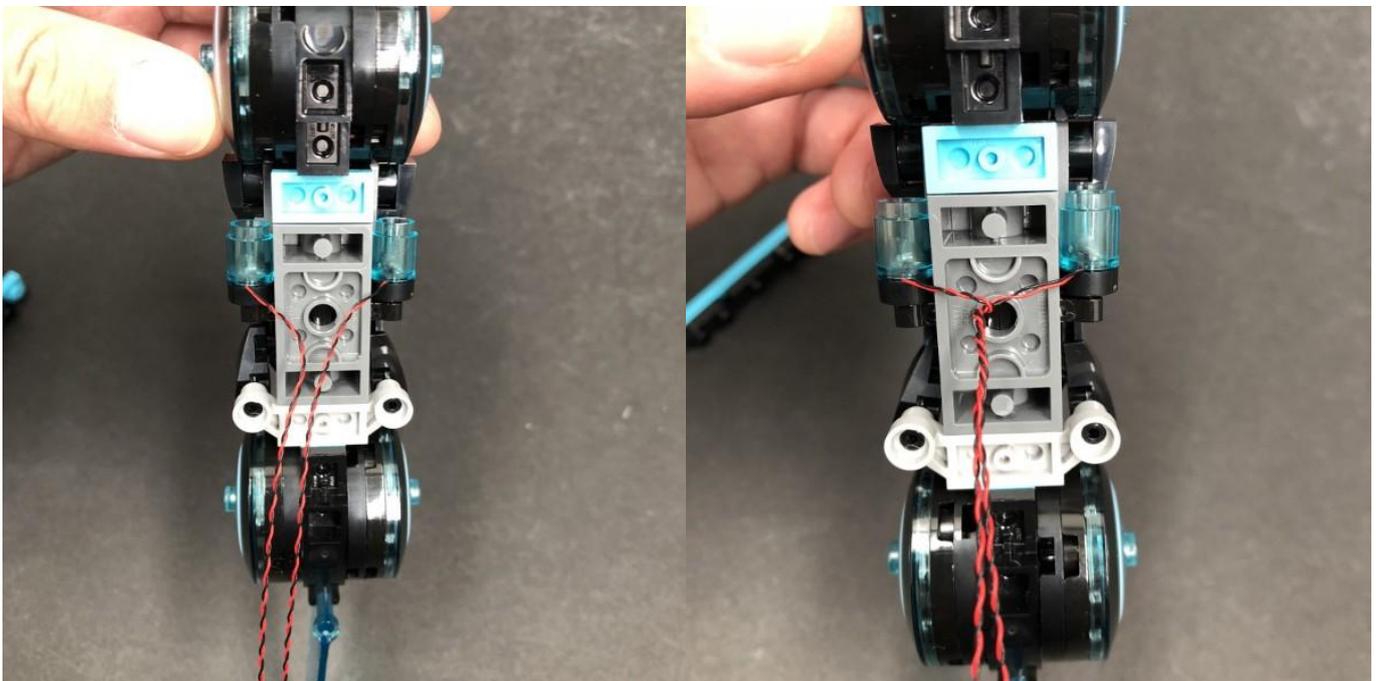
**8. With the Dot Light sitting all the way inside the translucent blue brick, reconnect the black piece to secure the Dot Light in place. Follow the same method to install another Blue 30cm Dot Light to the other light section.**



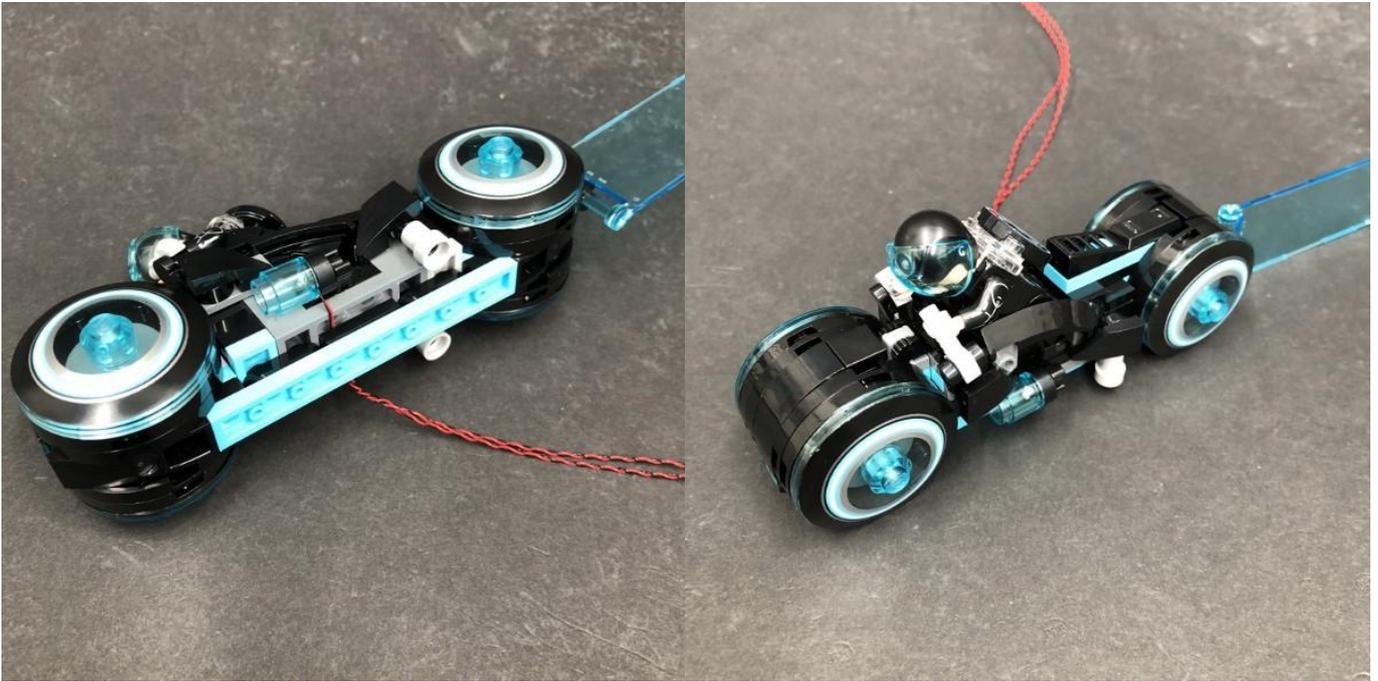
**9.Reconnect the light sections to each side of the vehicle and then from underneath, grab both cables and twist them around each other a few times as shown below:**



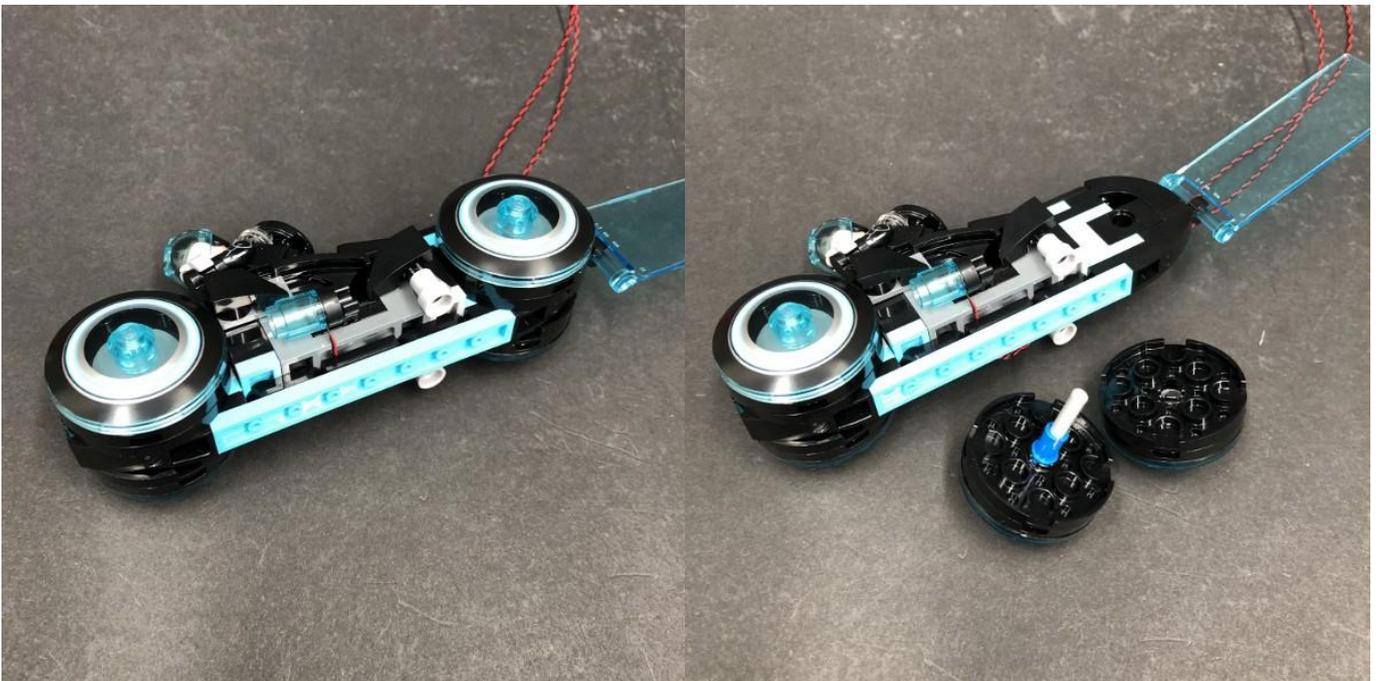
**10**

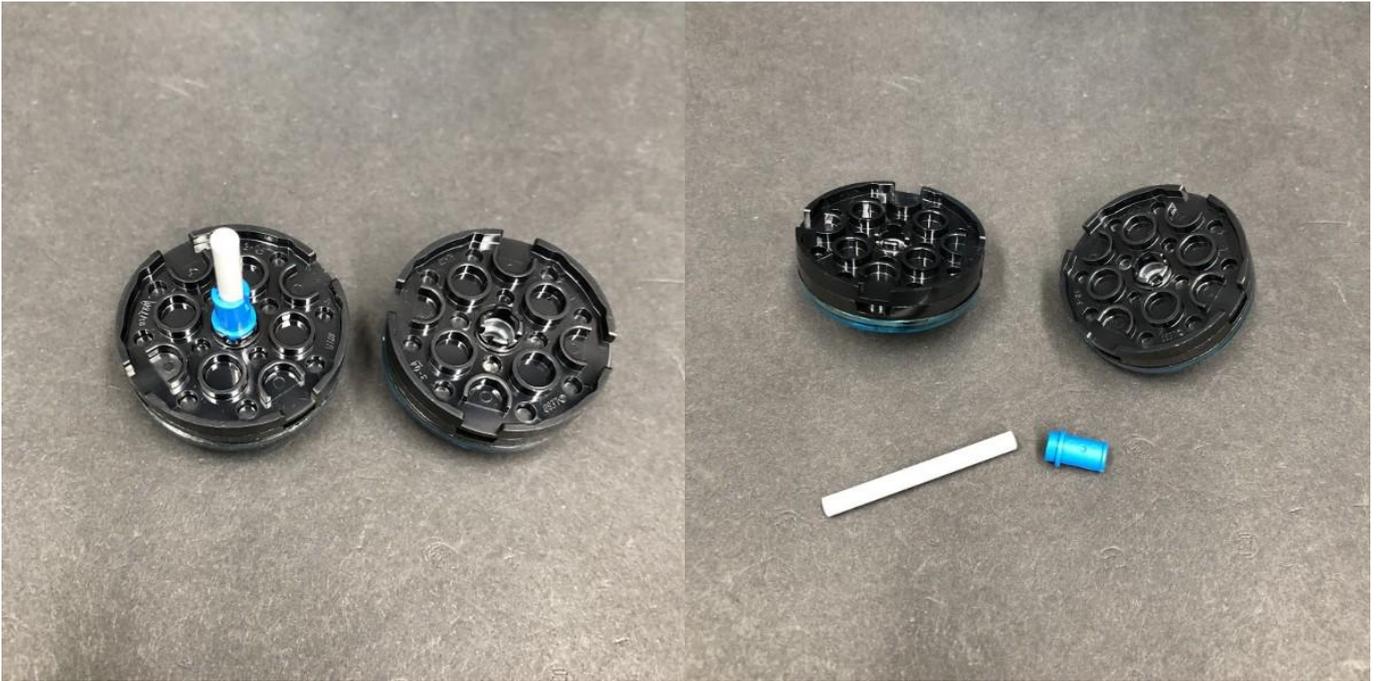


**11.Reconnect the bottom plate we removed earlier ensuring the cables are facing toward the right side of the vehicle and cables underneath are in laid in between studs.**



**12.Remove the two back wheels and then disassemble pieces as shown below:**





**14. Discard the longer light grey bar and take a provided Technic Pin 1/2 Light Bluish Grey and connect this along with the blue technic pin to inside of the wheels (longer side through first).**

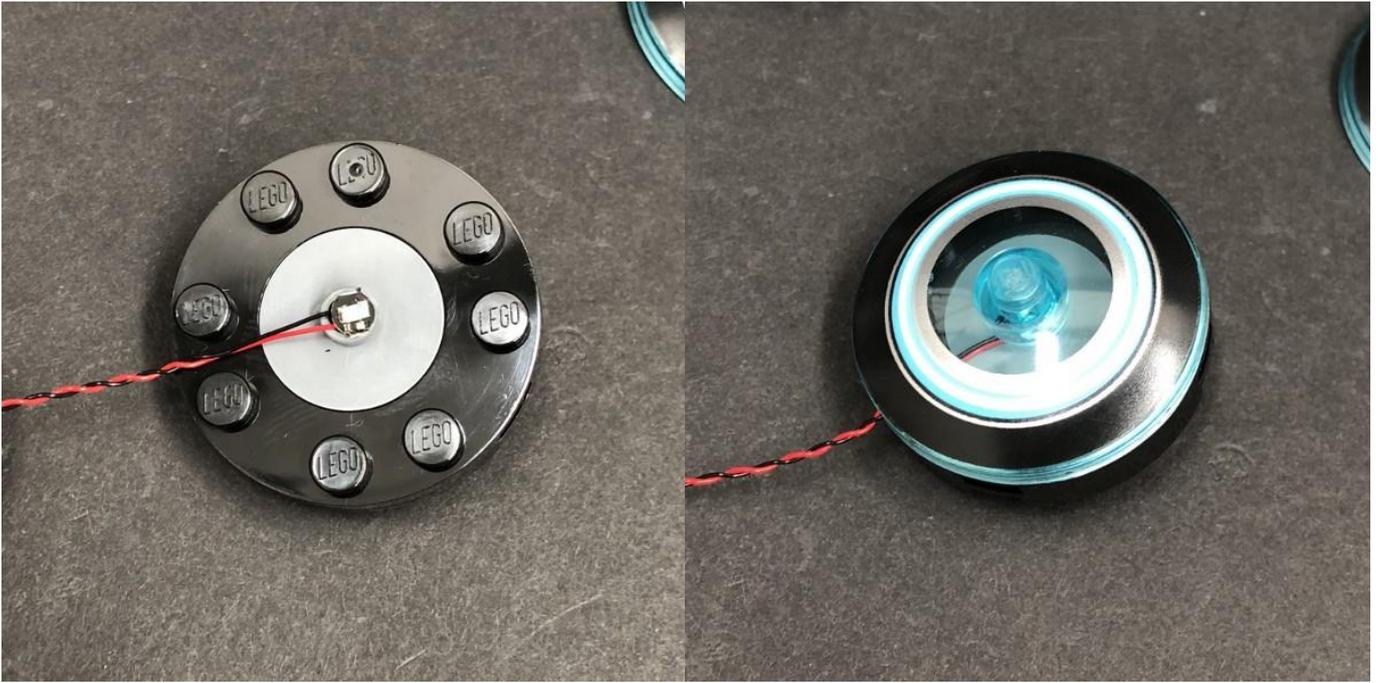




**16. Disconnect the front piece from each back wheel and then take a Blue 30cm Dot Light and place it over the centre stud of one of the wheels. Secure the Dot Light in place by reconnecting the front piece over the top ensuring cables are laid in between studs.**



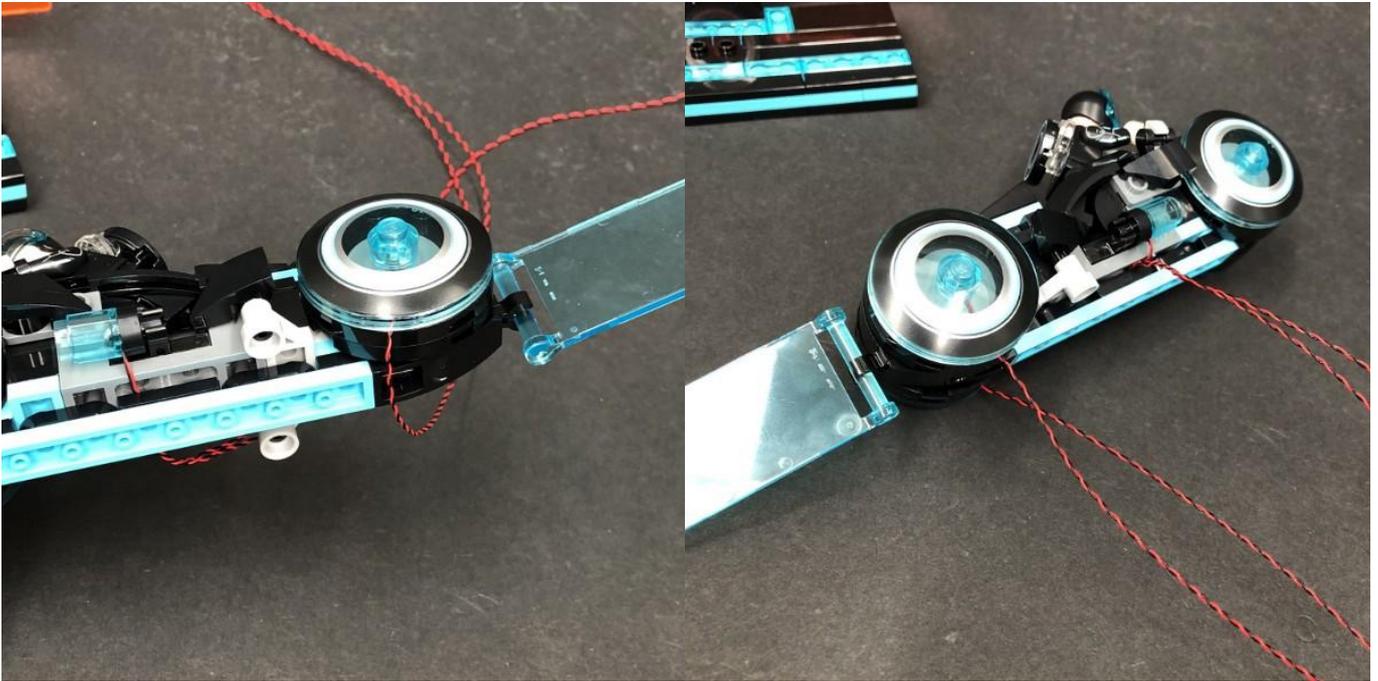
17



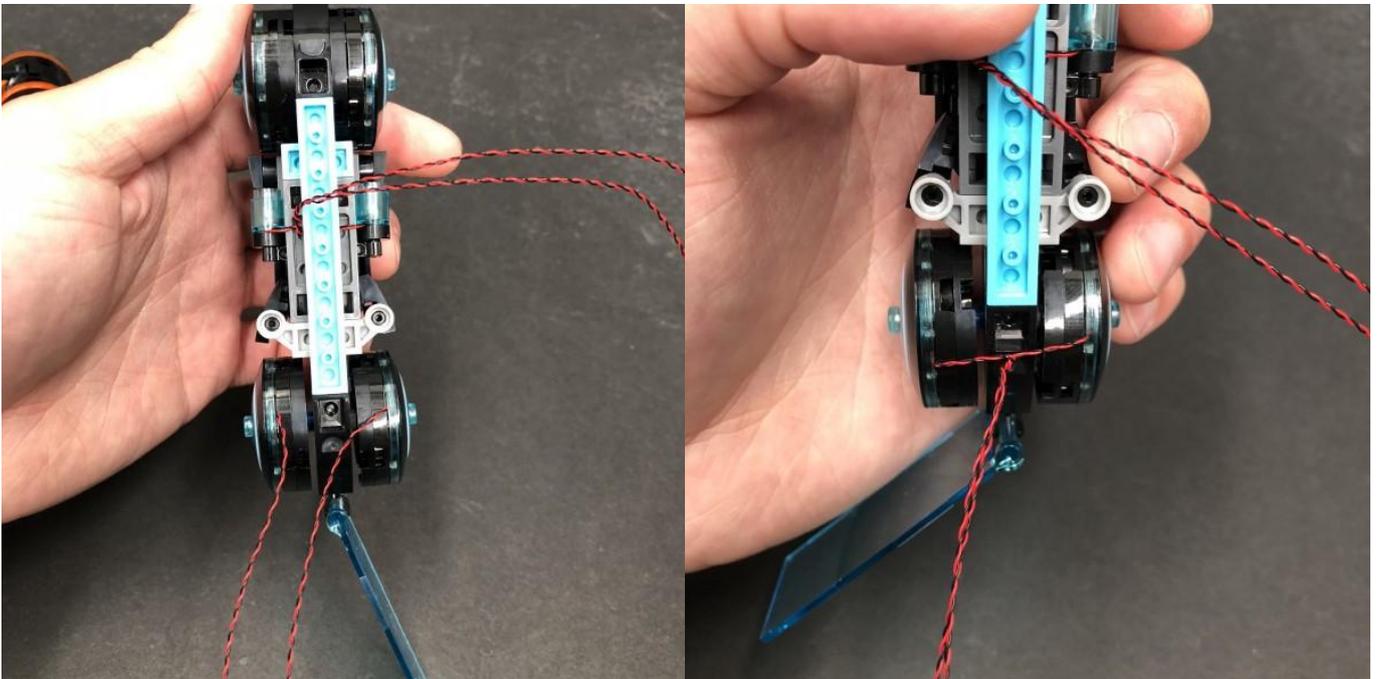
**18. Repeat this process to install another Blue 30cm Dot Light to the other back wheel.**



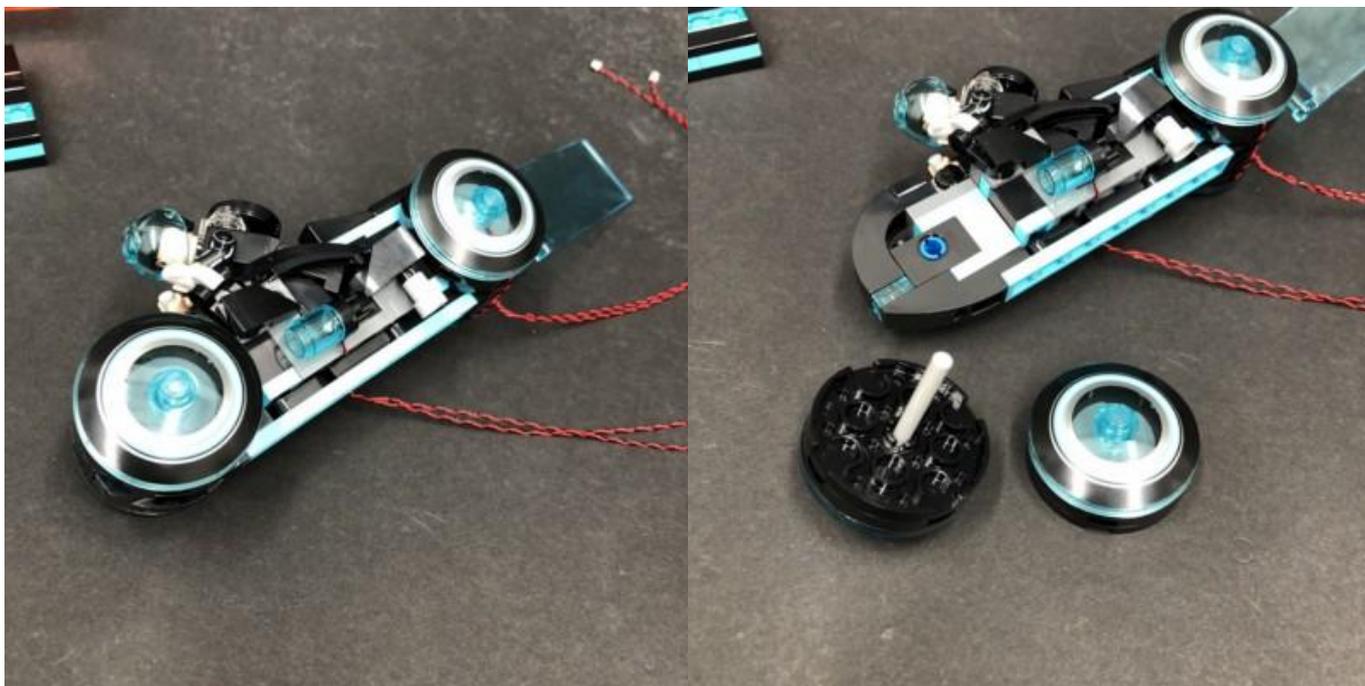
**19.Reconnect the back wheels to the vehicle (ensuring the cables are at the lowest point of each wheel) and then from underneath, grab both cables and twist them around each other a few times.**



**20**



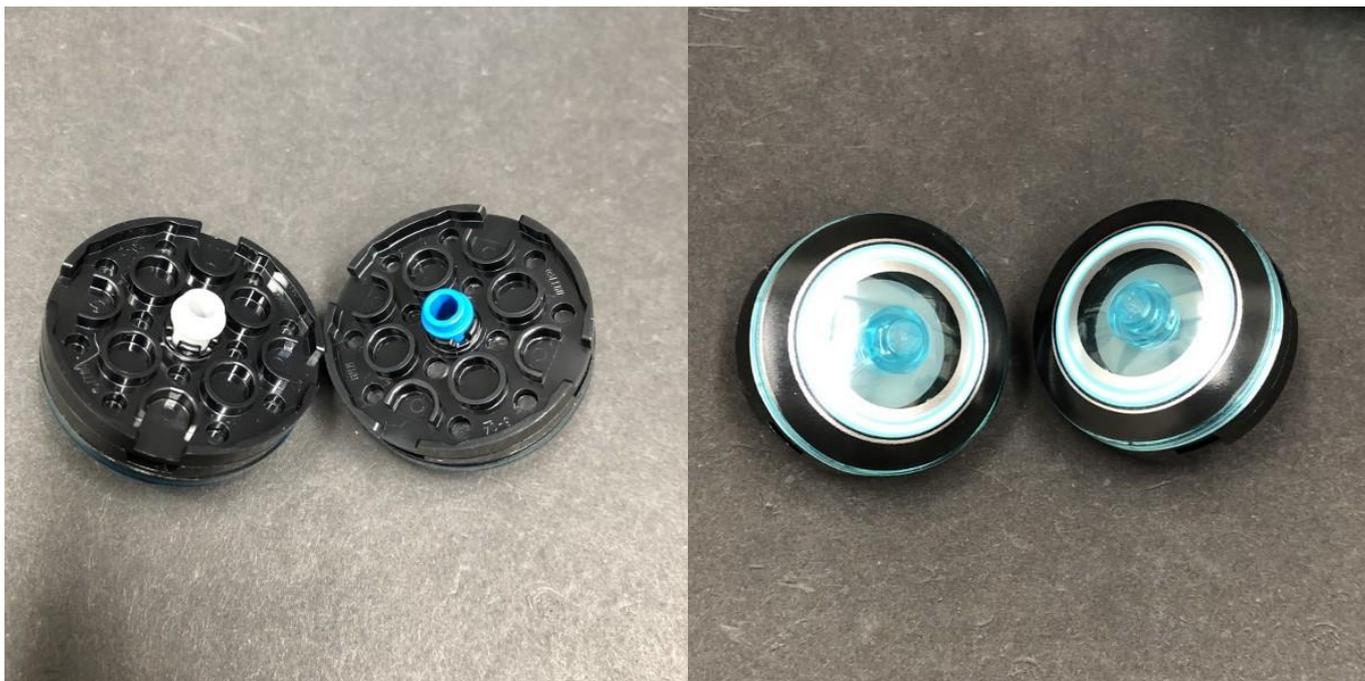
**21. Disconnect the front two wheels and then using the same method we used for the back two wheels, install another 2x Blue 30cm Dot Lights to the front two wheels using another provided Technic Pin 1/2 Light Bluish Grey.**



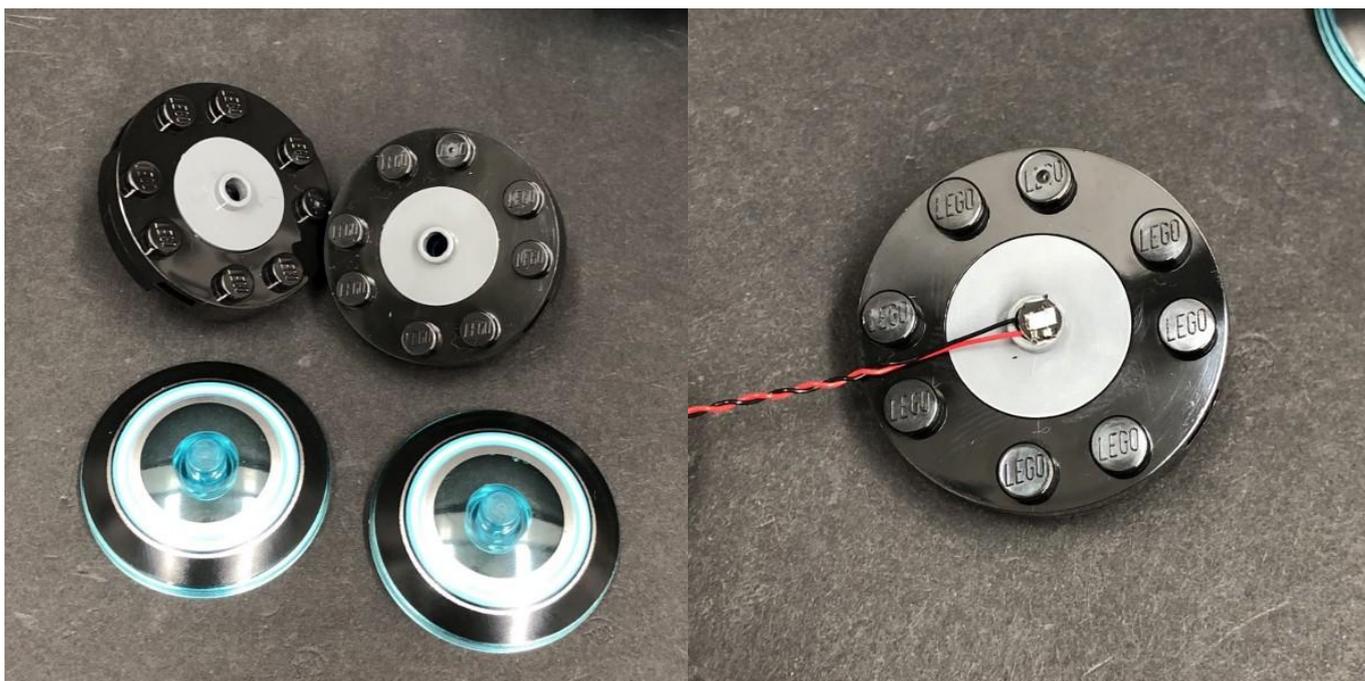
**22**



23

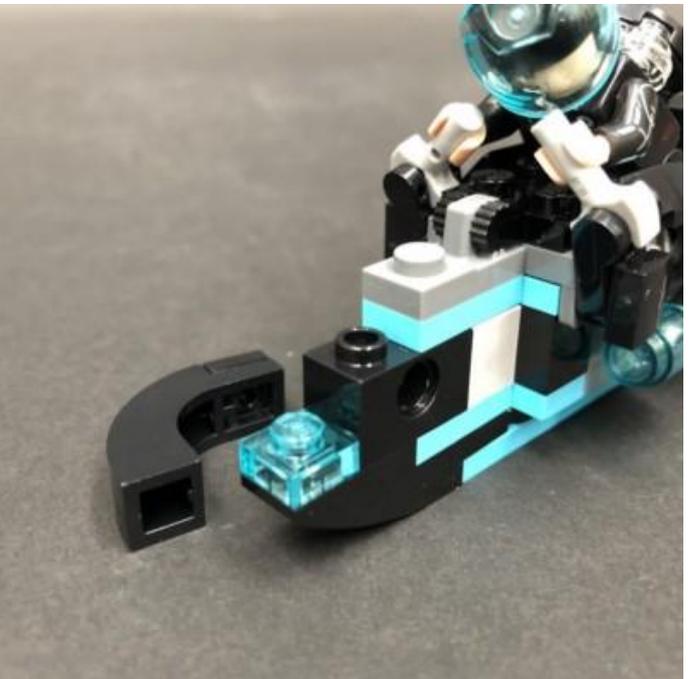


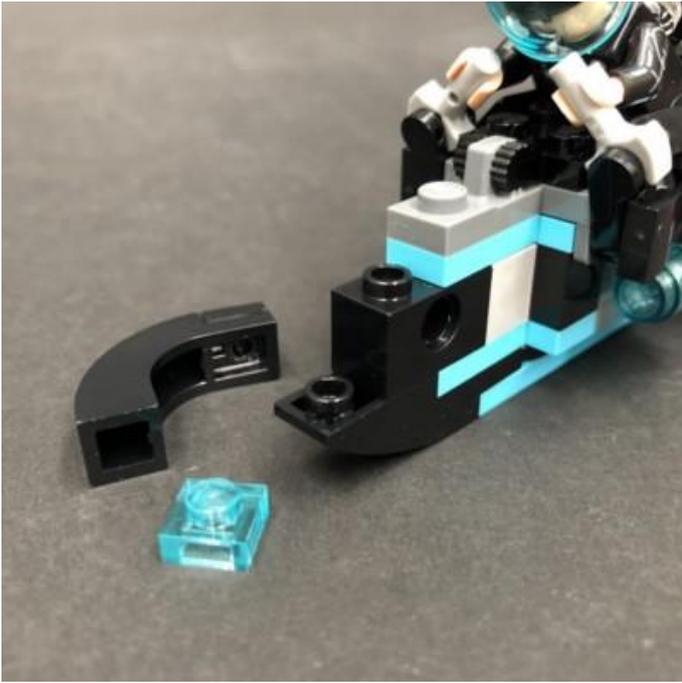
24



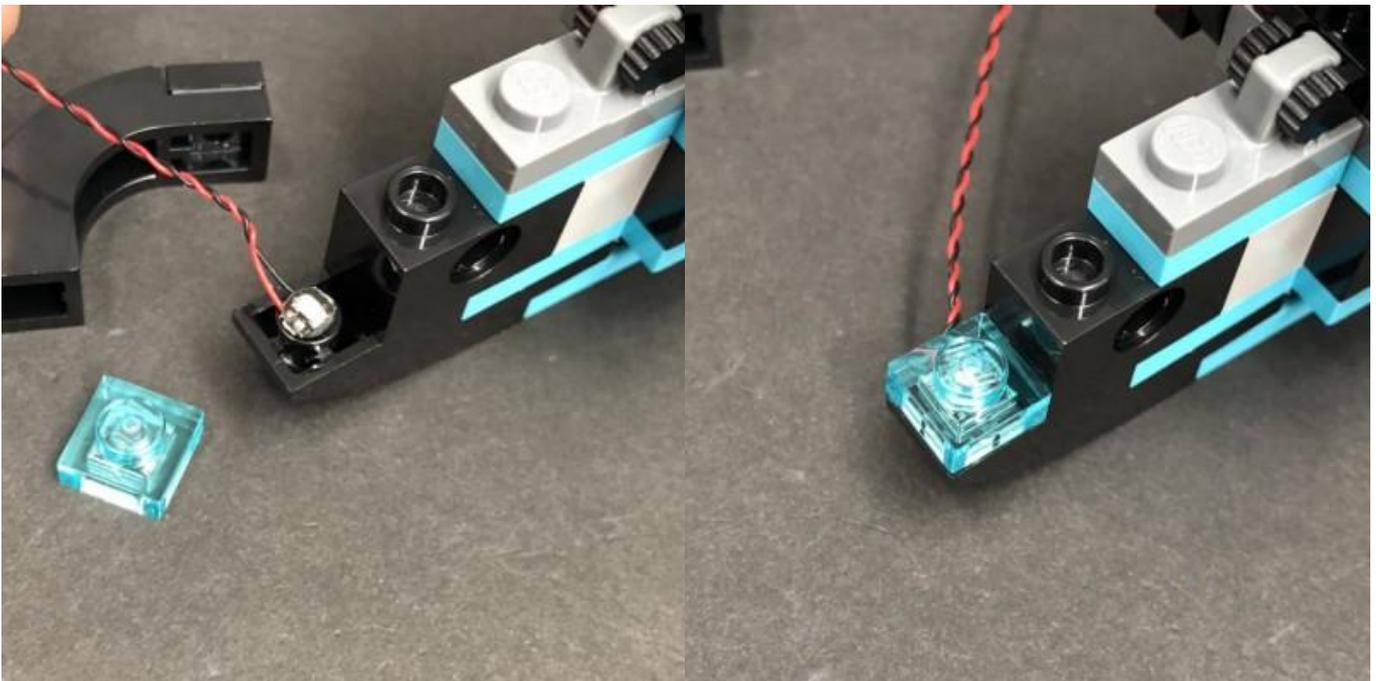


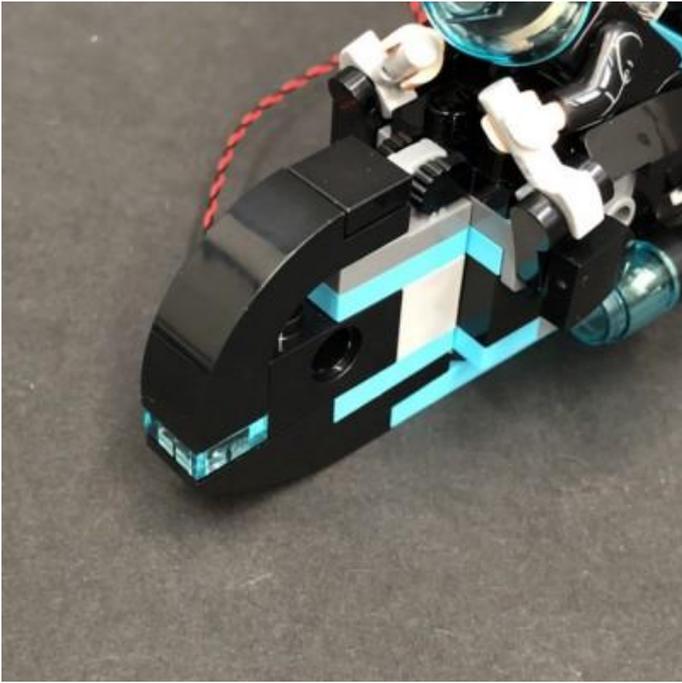
**26. Before reconnecting the front two wheels we need to install a light to the headlight. First disconnect and disassemble the following pieces from the front of the vehicle.**



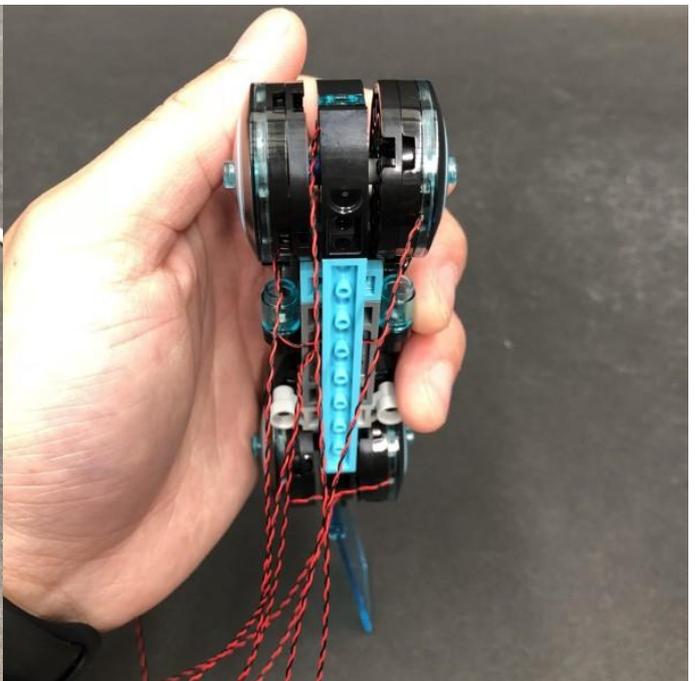
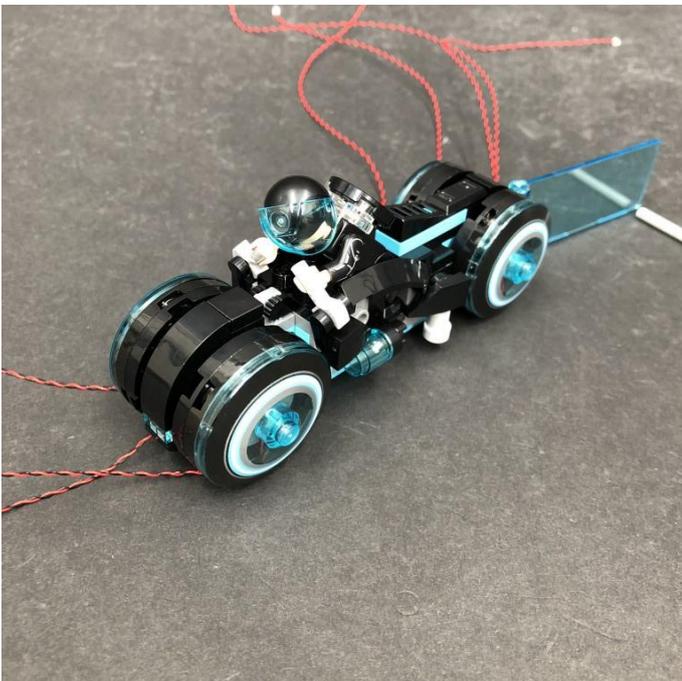


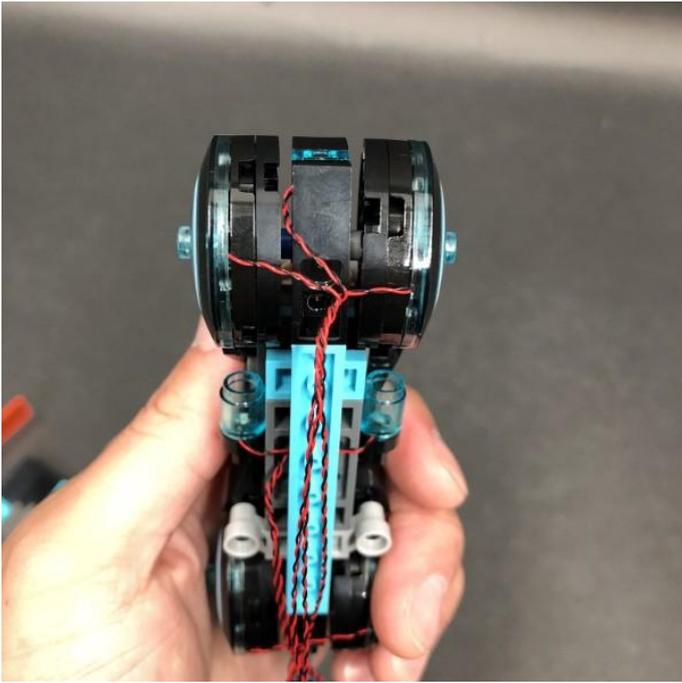
**28. Take the remaining Blue 30cm Dot Light and then with the cable facing the right side (facing up), place it over the black stud. Secure the Dot Light in place by reconnecting the trans light blue plate over the top followed by the black arched piece.**





**30. Reconnect the front two wheels (ensuring each cable is at the lowest point of the wheel) and then from underneath, grab the three cables (front wheels and head light) and then twist them around each other as shown below:**





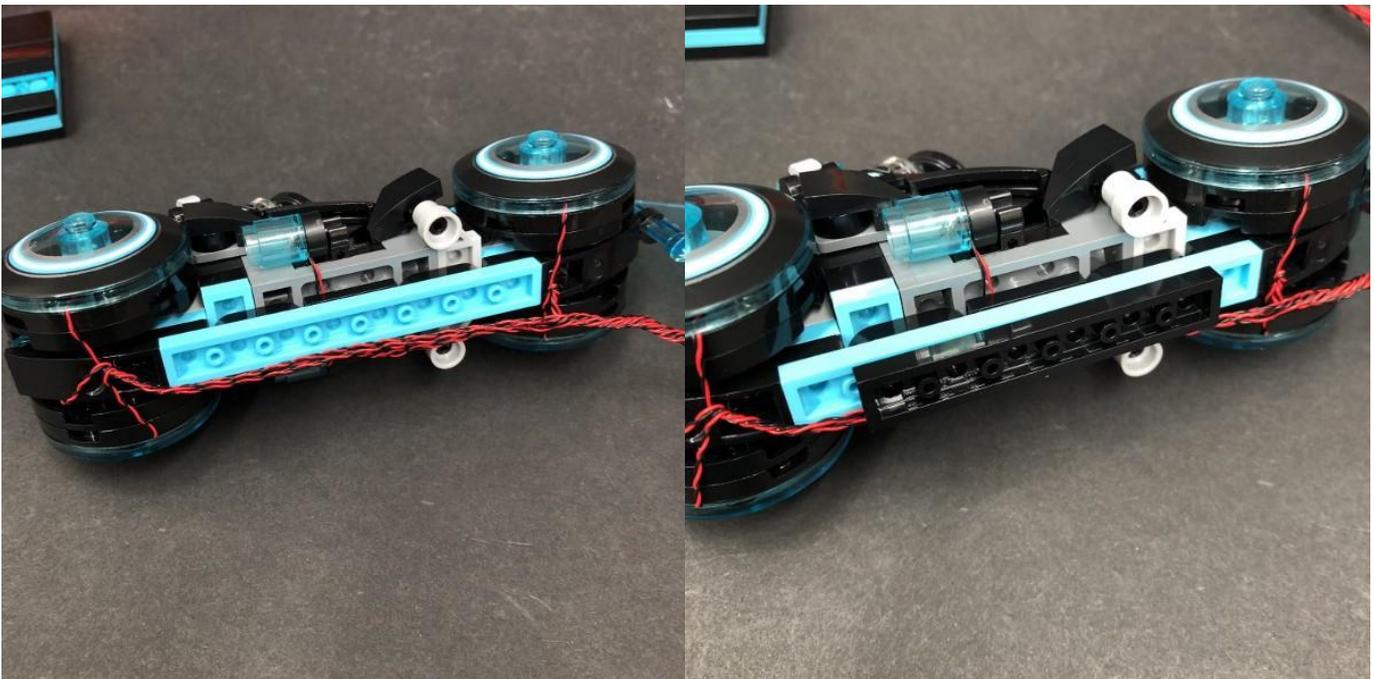
**32. Turn the vehicle on it's left side (front facing up) and then take the three groups of cables and then twist them all around each other from the point directly underneath the back wheels.**



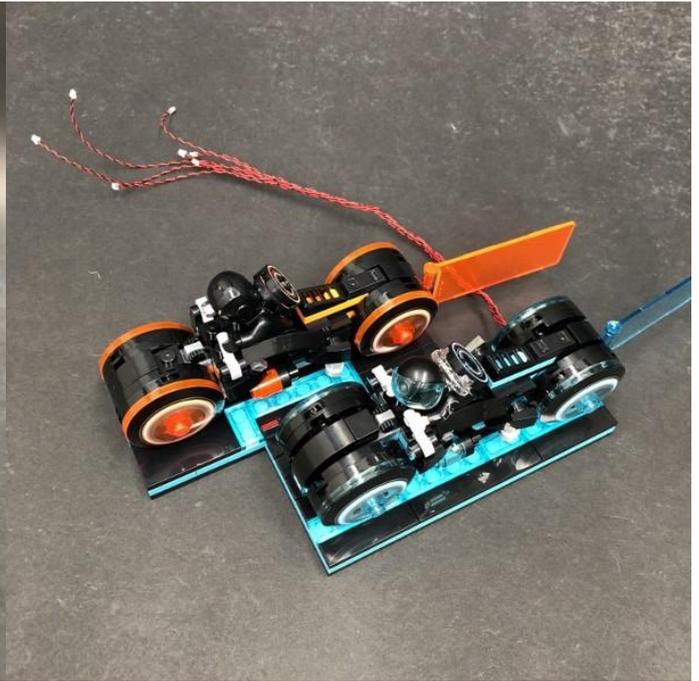
**33. Continue to twist all the cables around each other all the way to the end to form one larger cable.**



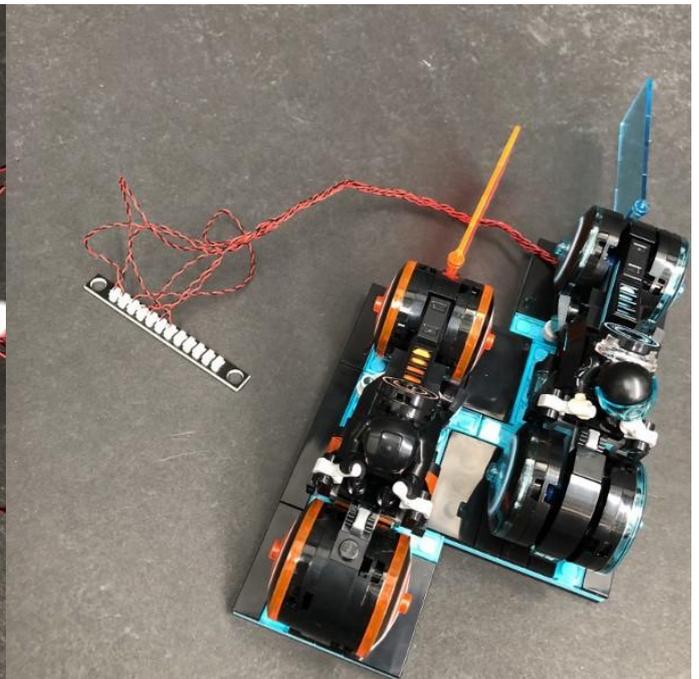
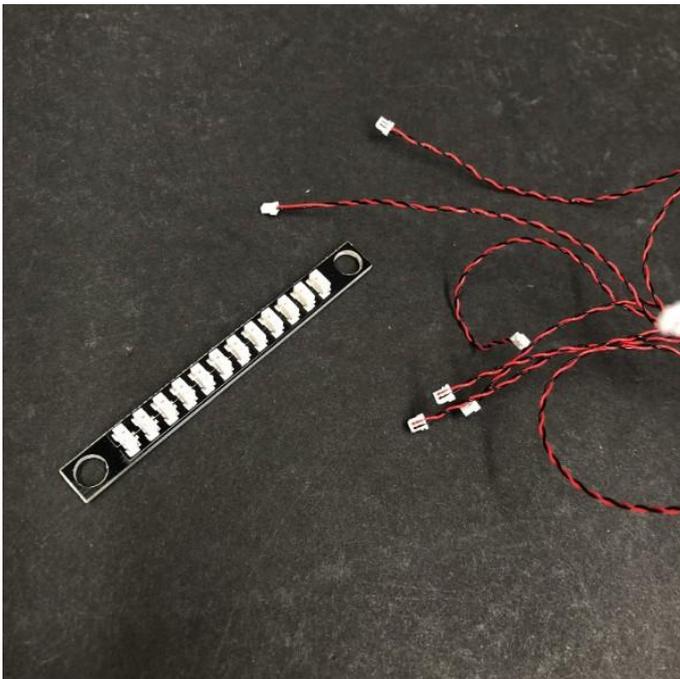
**34. Take a provided Black 1x6 Plate and connect it underneath as per below then reconnect the vehicle back to the base plate ensuring cables are facing the right side of the vehicle (behind).**



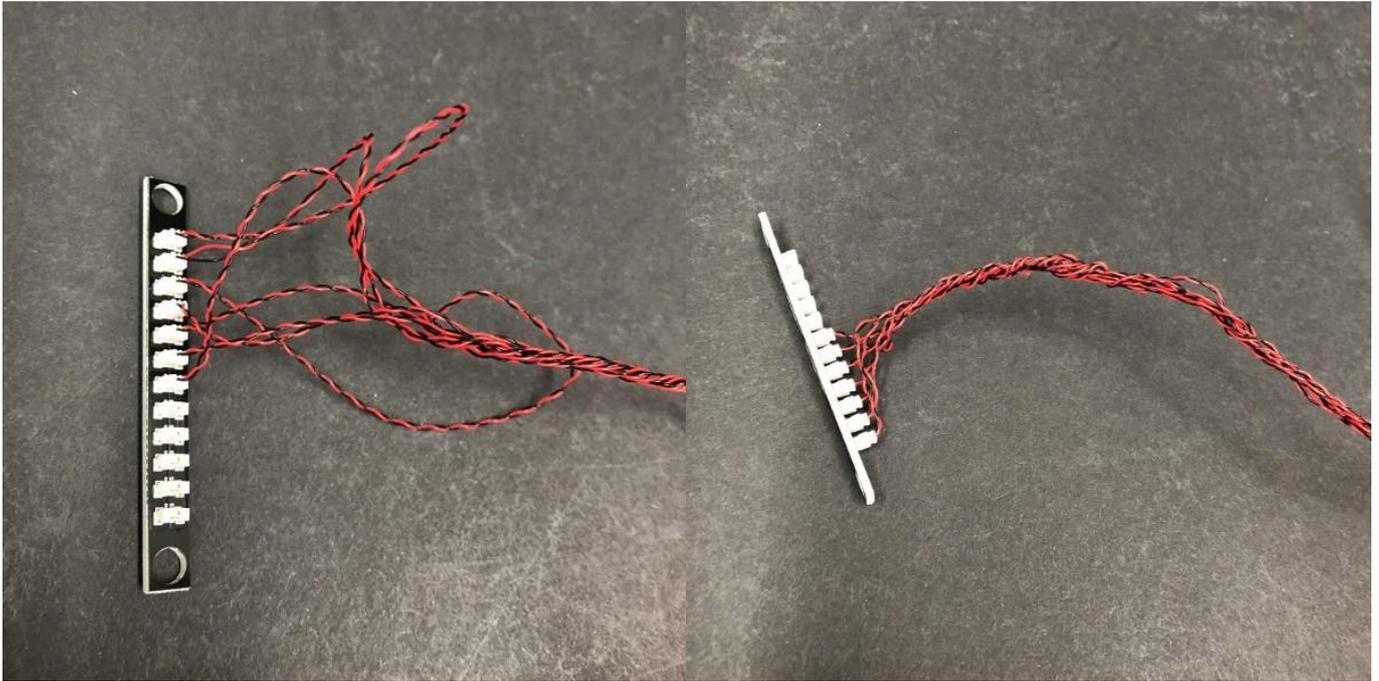
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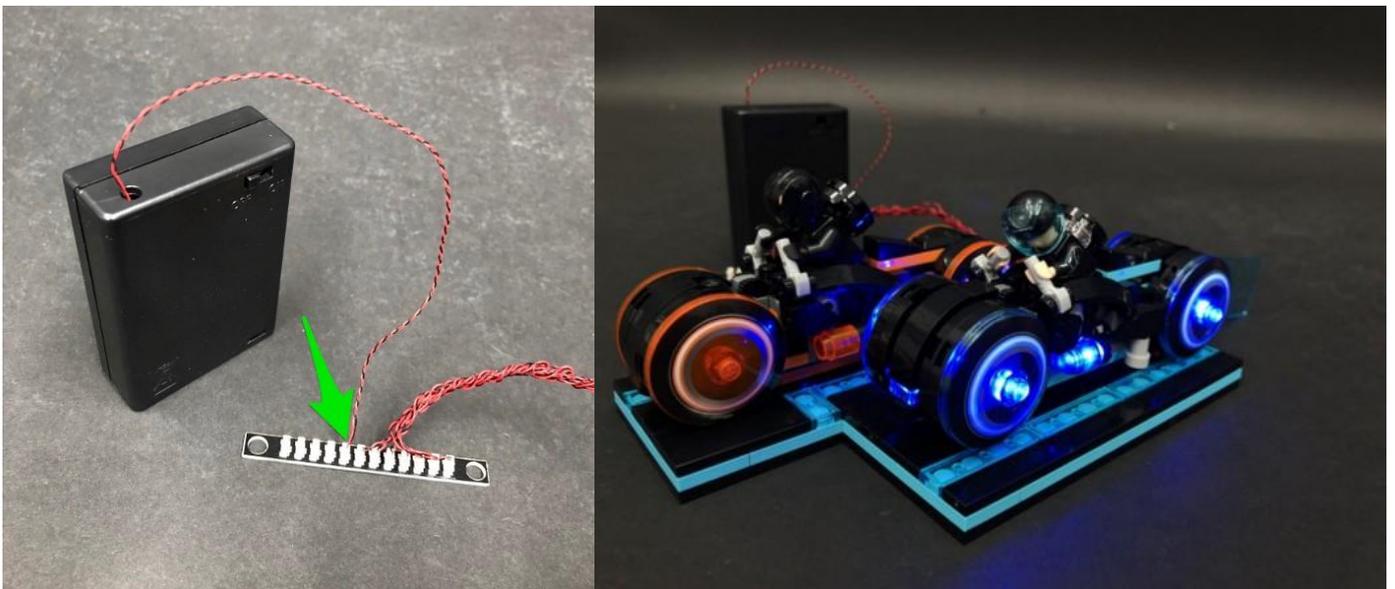
36. Take the 12-Port Expansion Board and connect all seven cables to it.



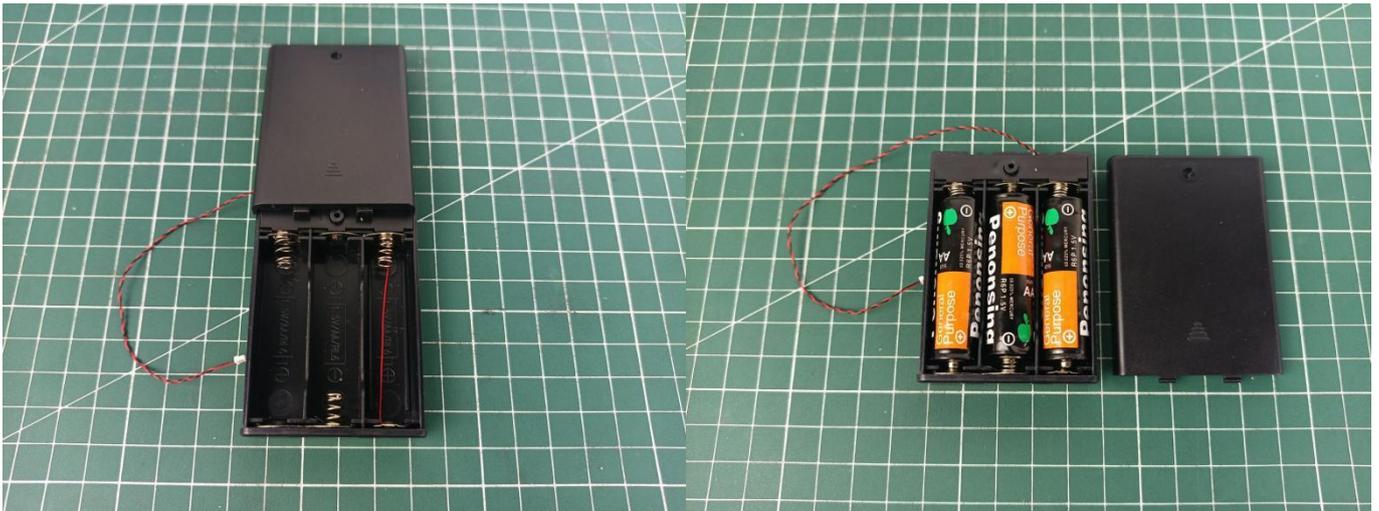
**37. Group all the excess cable together and twist them around the larger cable so they are all neat and grouped together.**



**38. Take the AA Battery Pack and insert 3x AA Batteries to it. Connect the battery pack cable to the next available port on the expansion board. Turn the battery pack ON to verify all lights are working OK.**



The AA Battery Box does not contain batteries, please buy three AA batteries in the nearest store and install it in the AA Battery Box.



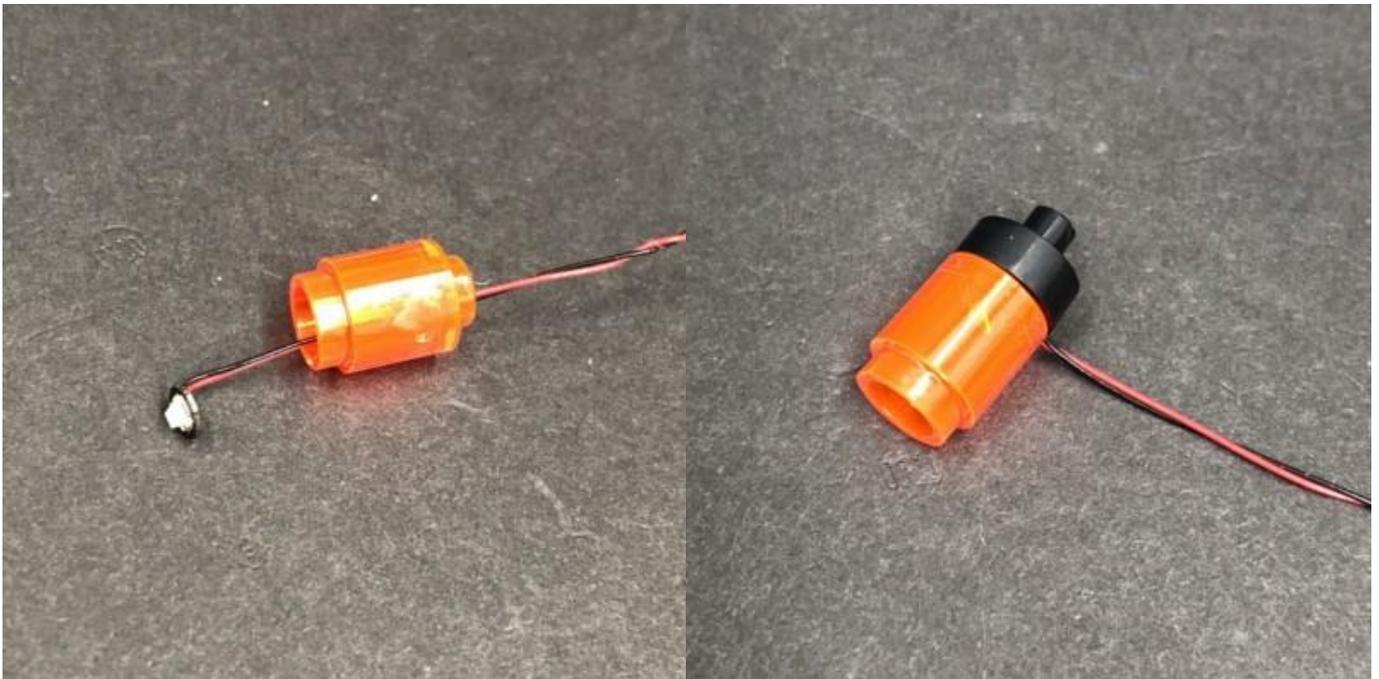
39. Disconnect the orange vehicle from the base plate and using the same method used for the blue vehicle, install 7x Orange 30cm Dot Lights to the orange vehicle.

First disconnect and disassemble the following pieces.





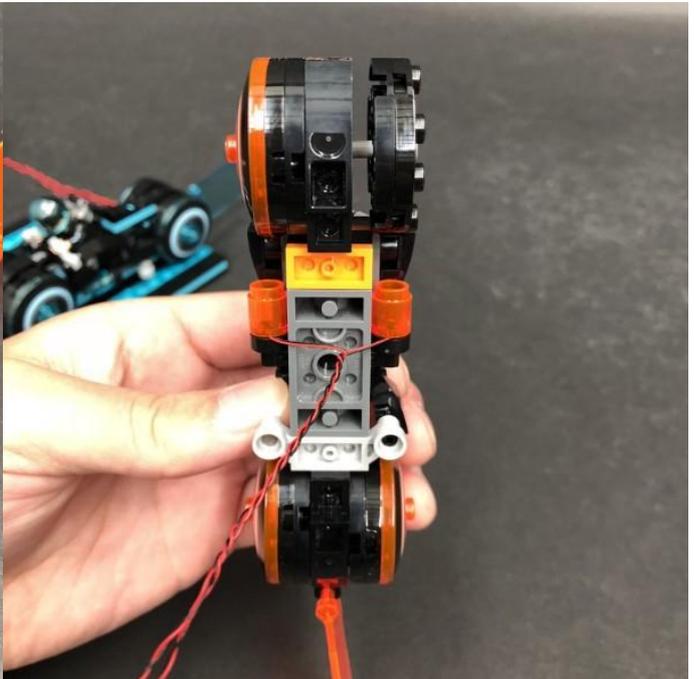
**41. Install Orange Dot Lights to the side lights remembering to slightly bend the Dot Light on a 90 degree angle so that it is facing upward.**



42



43. Group cables together and twist them around each other a few times



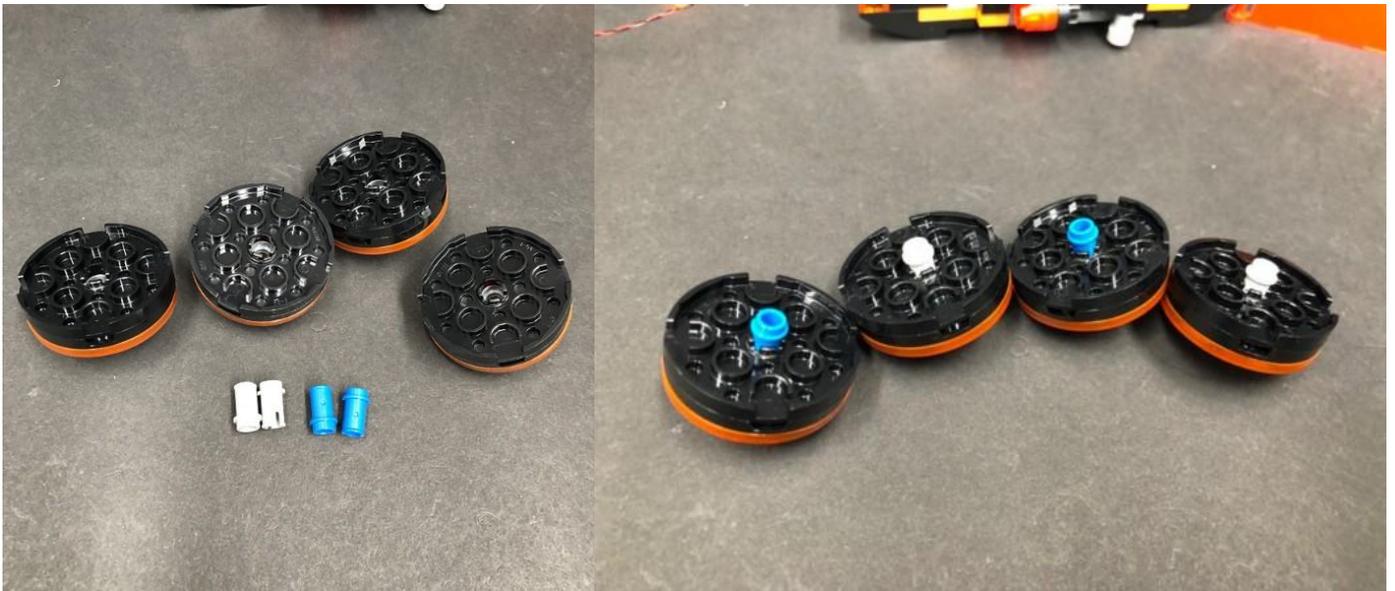
**44.Reconnect bottom 1x8 plate.**



**45.Disconnect and disassemble pieces from the four wheel sections.**



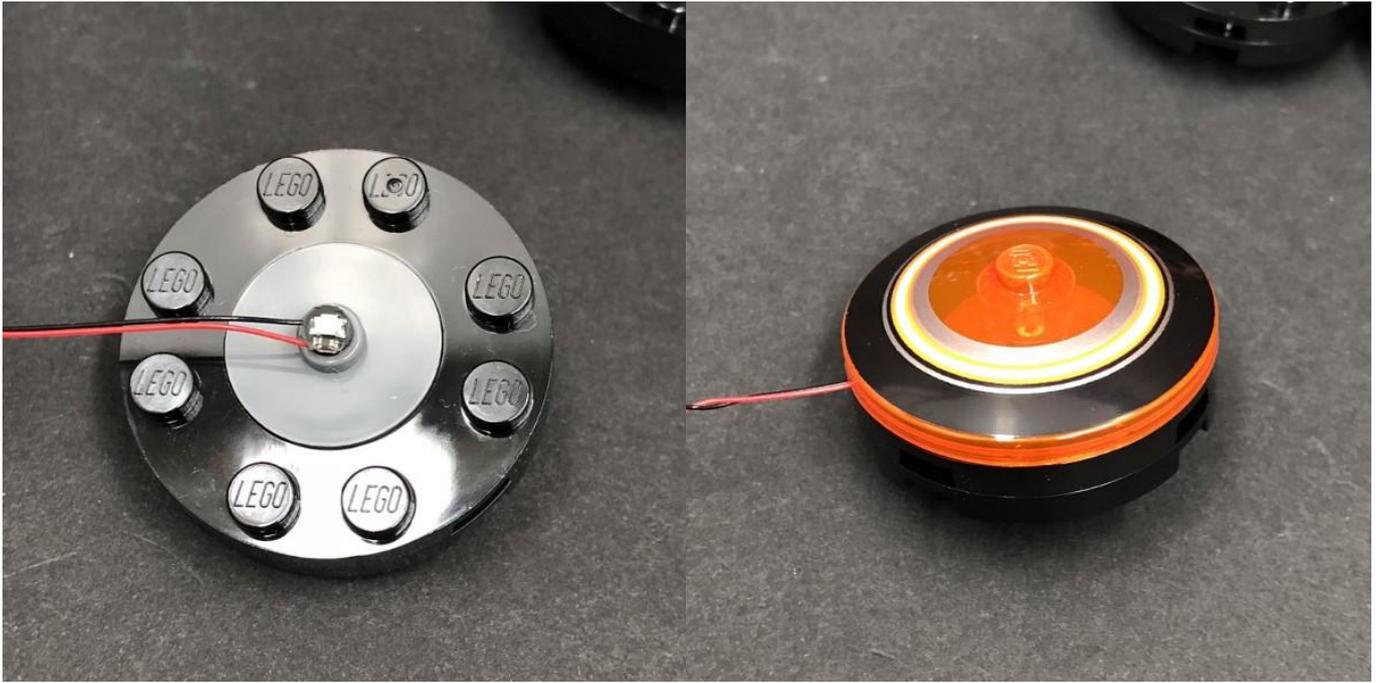
**46. Connect technic pins to the inside of each wheel using 2x provided Technic Pins 1/2 Light Bluish Grey along with the existing blue technic pins 1/2.**



**47. Disconnect the front of each wheel and install Orange 30cm Dot Lights to each wheel.**



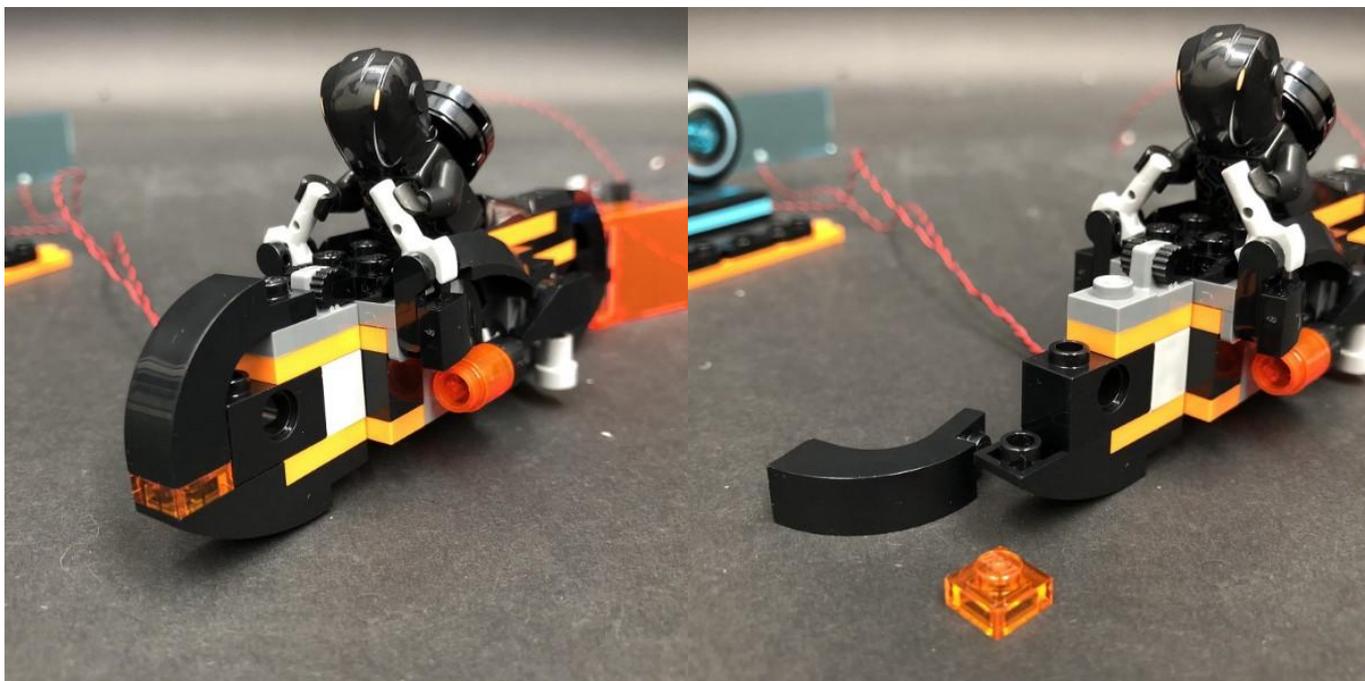
48



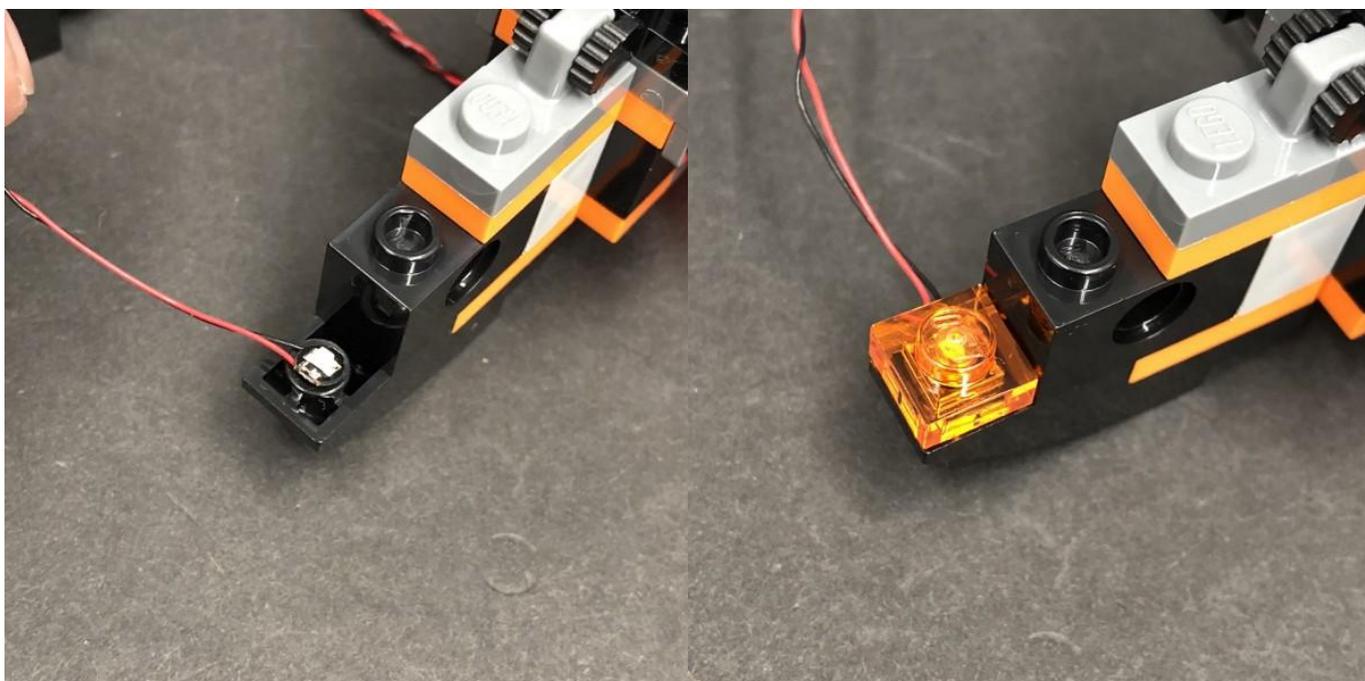
49

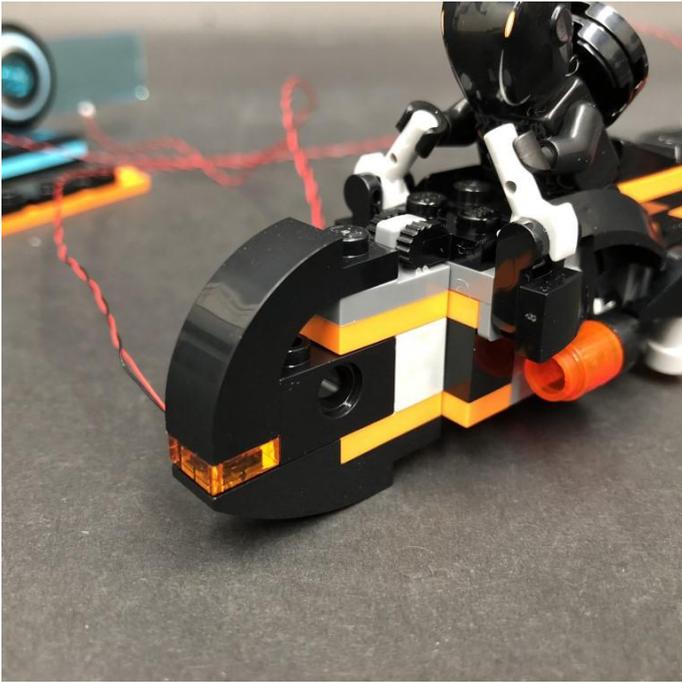


**50. Before reconnecting the wheels, disconnect pieces from the front and install the remaining Orange 30cm Dot Light to the front for the headlight.**

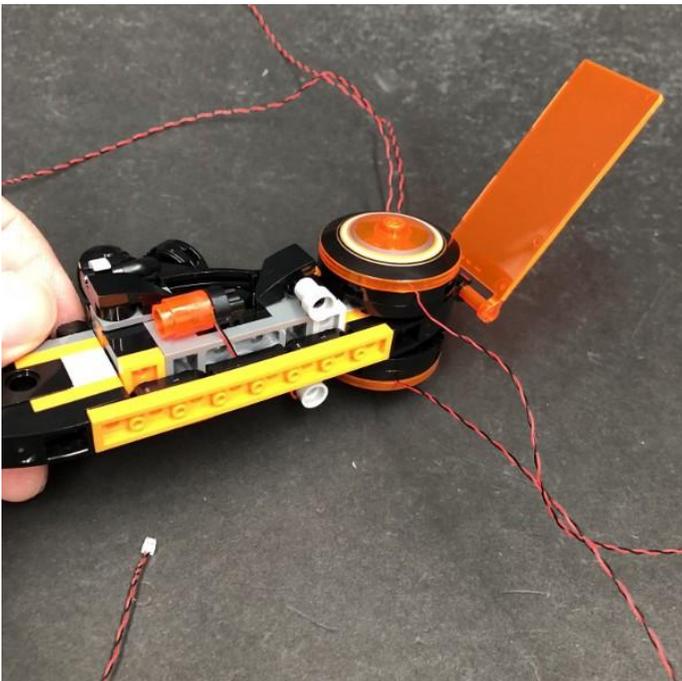


**51**



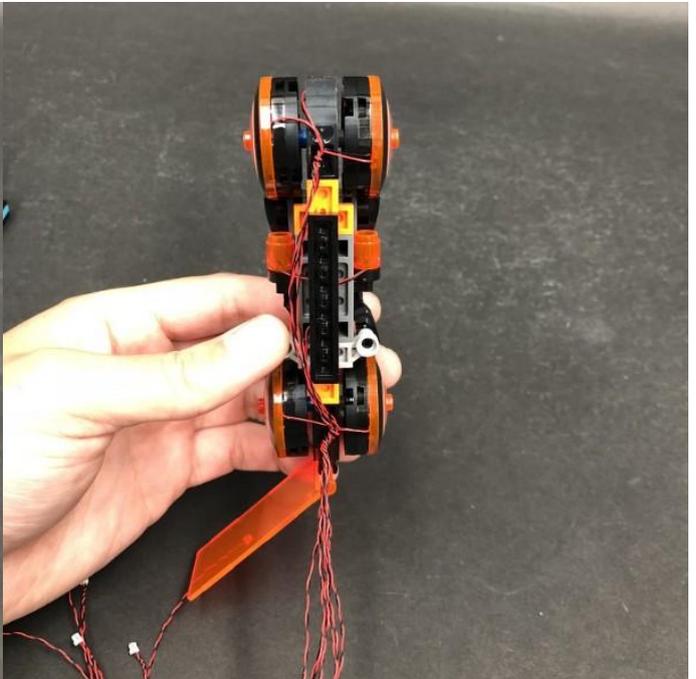
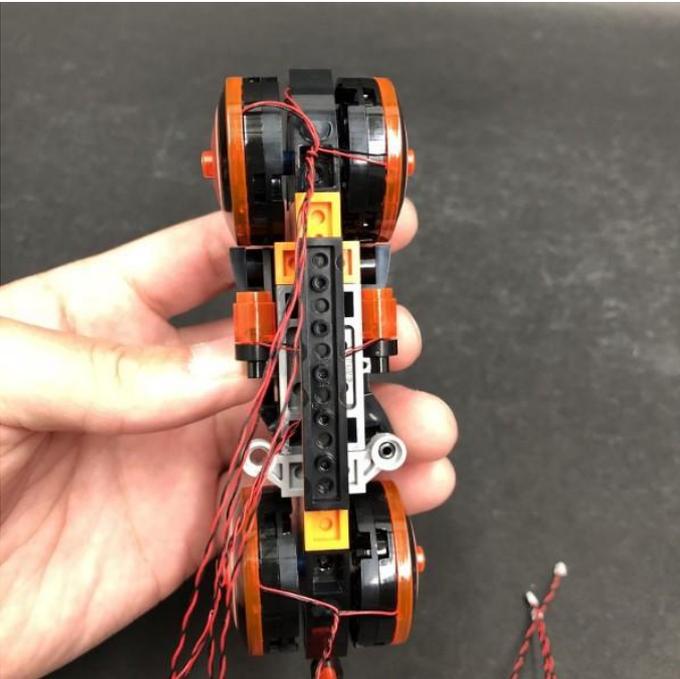


**53.Reconnect the back wheels first then from underneath the vehicle, twist the cables around each other.**





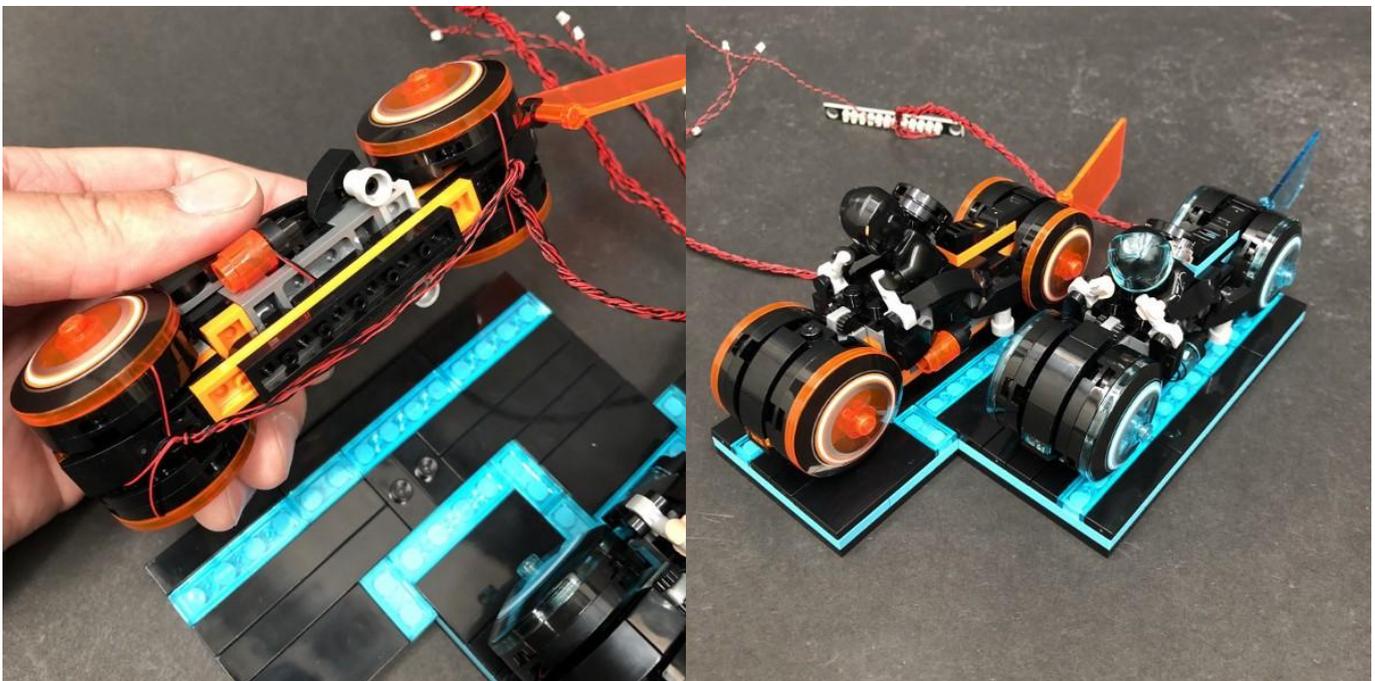
**55. Take the remaining Black Plate 1x6 and connect it underneath the vehicle then group all seven cables and twist them around each other at the point directly underneath the back wheels.**

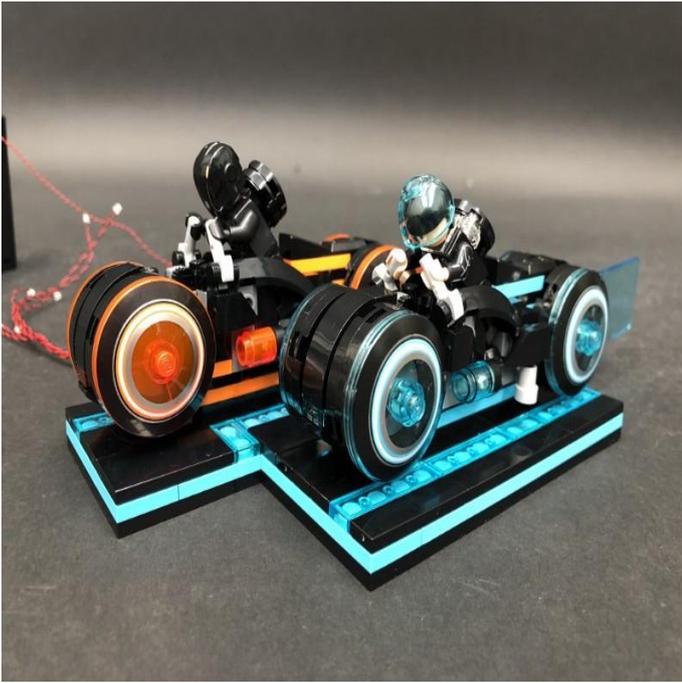


**56. Twist all the cables around each other all the way to the end to form one larger cable**

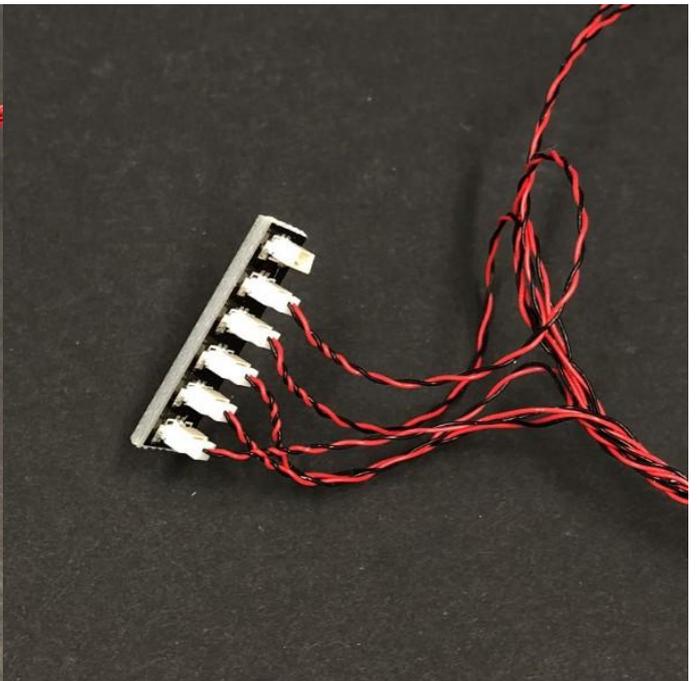
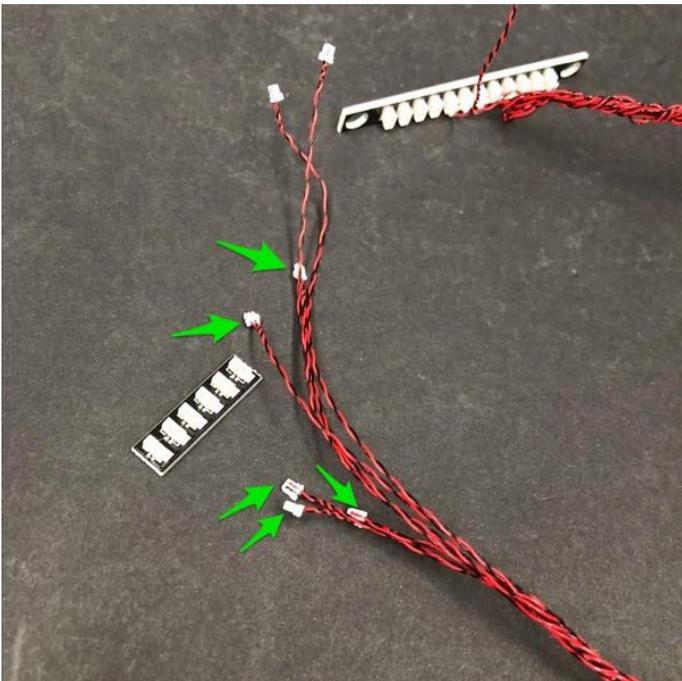


**57. Ensure cables are laid and facing the right side of the vehicle (cables facing back) before reconnecting it to the base plate.**





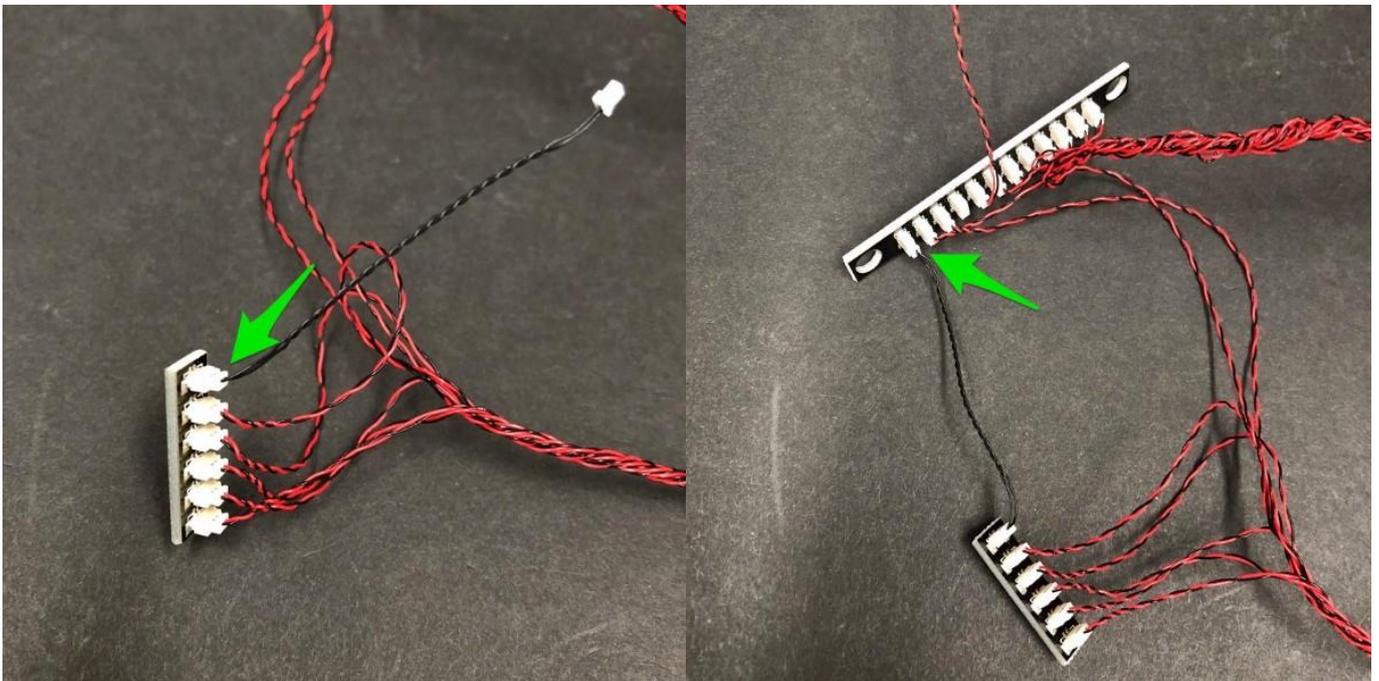
59. Take the 6-Port Expansion Board and then connect the shortest five cables from the orange vehicle to it.



**60. Connect the two longer cables from the orange vehicle to the 12-port expansion board.**



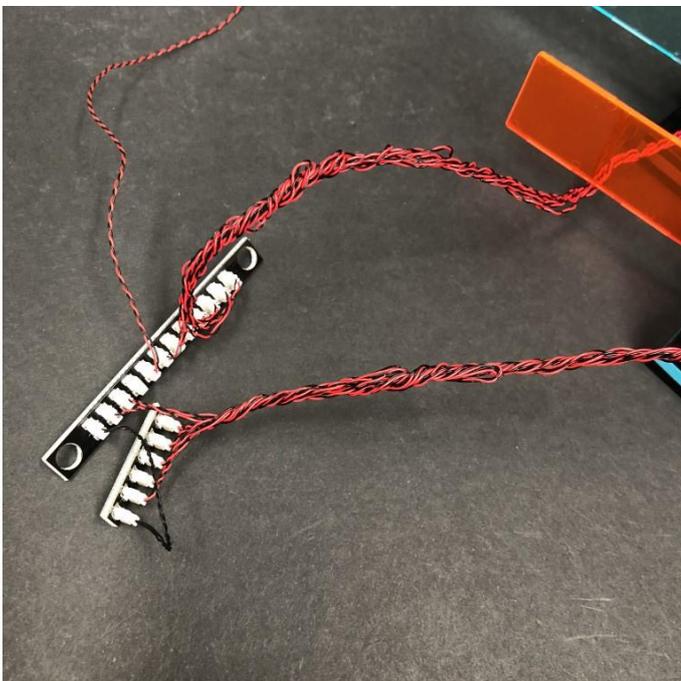
**61. Take the 5cm Connecting Cable and connect one end to the remaining port on the 6-port expansion board and then connect the other end to a spare port on the 12-port expansion board.**



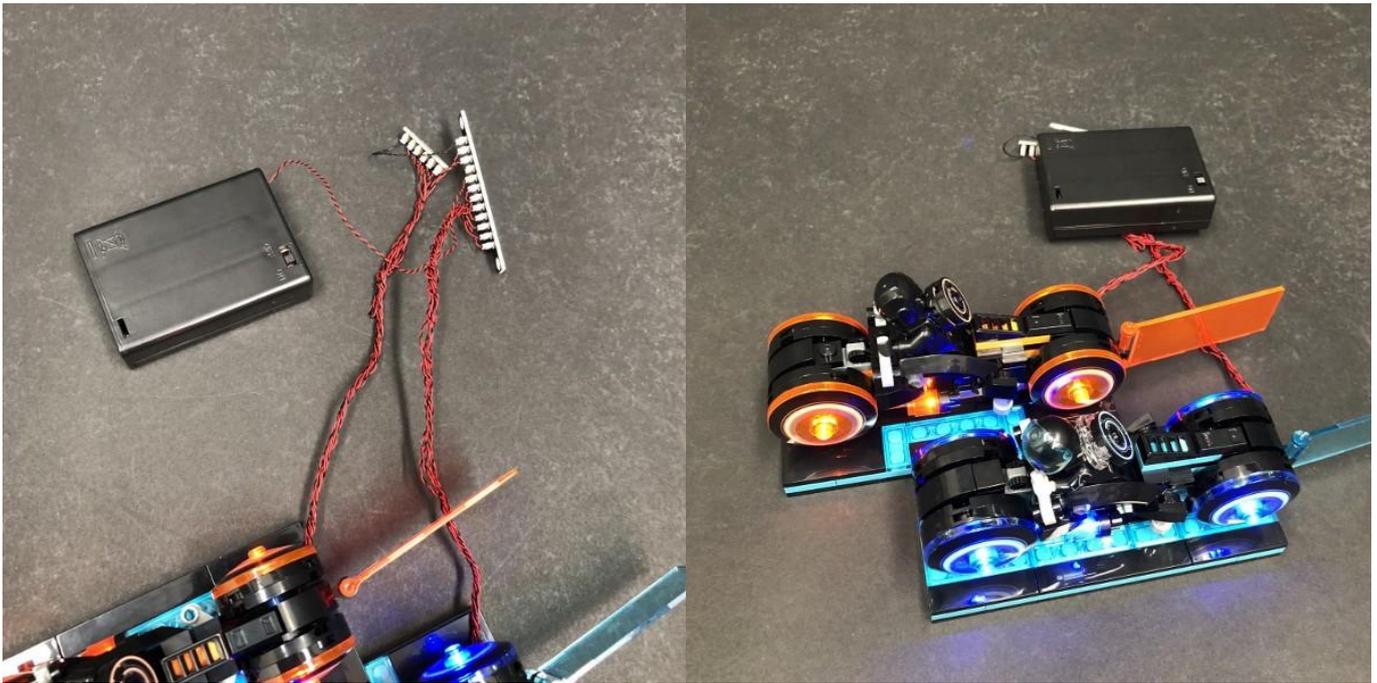
**62. Clean up messy cables by grouping excess cabling from the orange vehicle and twisting them around each other to form a larger cable.**



**63**



**64. Finally, neaten up all your components behind the set, then turn the battery pack ON to verify all is working OK.**



**Good job, you've done all the installation steps, power it up and enjoy your work.**

