

WALL_E_21303 LED Lighting Kit

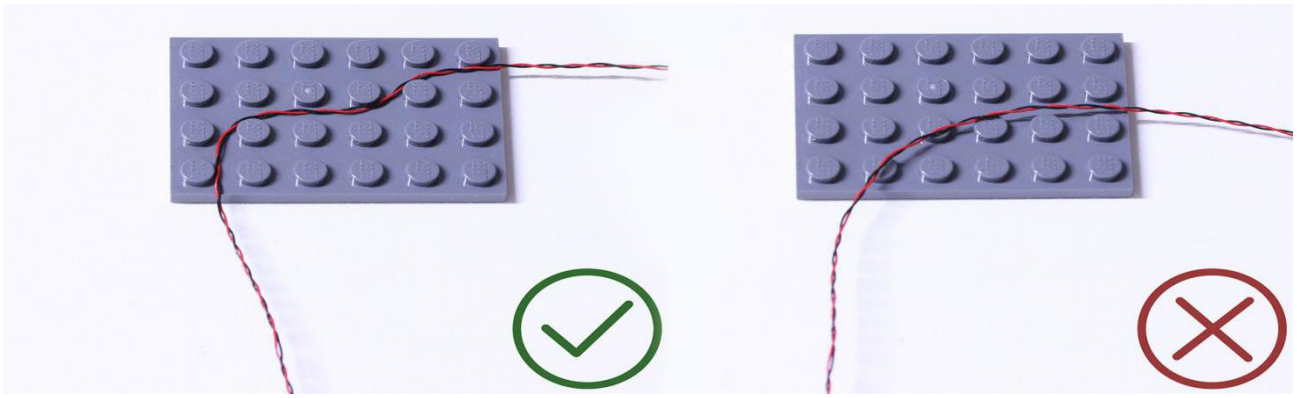
Package contents:

- 2x Multi-Colour Changing Light Strings 30cm
- 1X White 15cm Dot Lights
- 1X White 30cm Dot Lights
- 1X 5cm Connecting Cables
- 1X Warm White Strip Lights
- 1X 6 Port Expansion Boards
- 1X Long Button Battery Pack
- 4X Adhesive Squares
- Some LEGO Plate Pieces

Note:

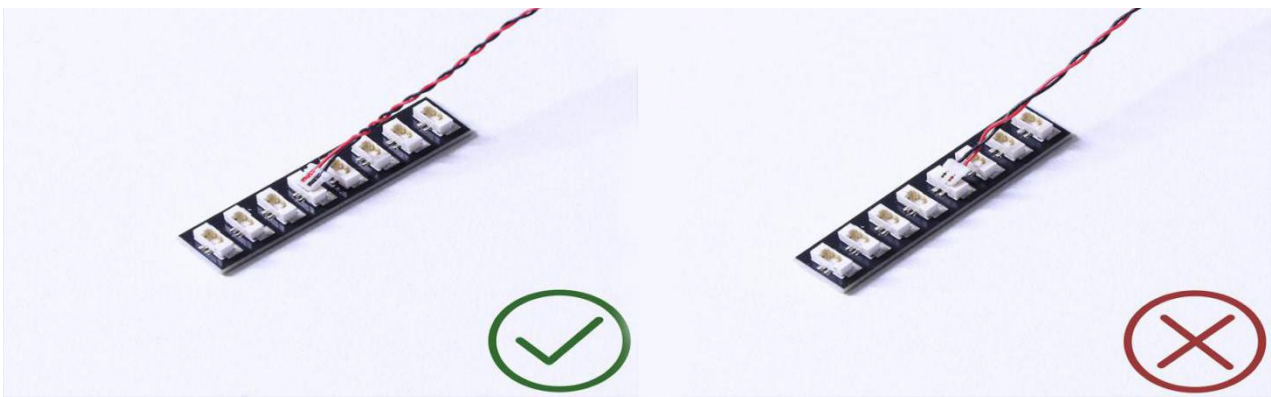
Place wires on the surface or under the LEGO building blocks.

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

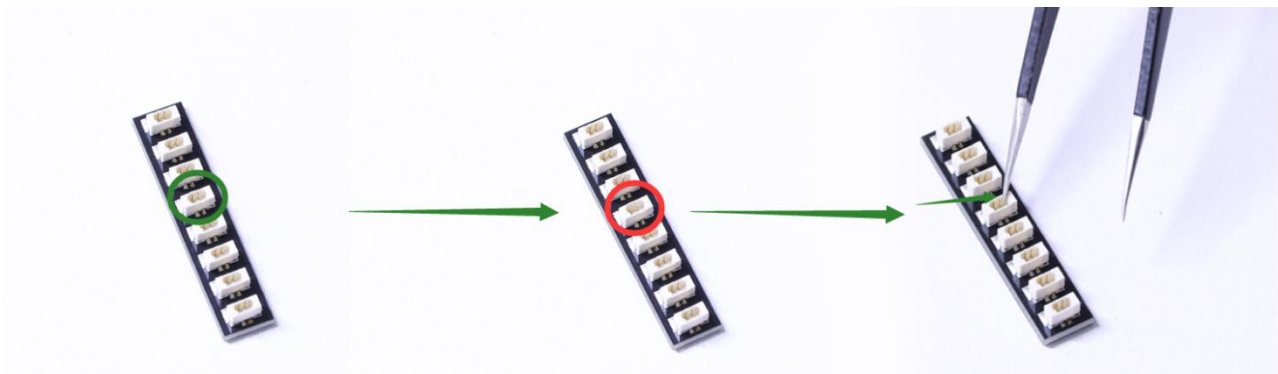


Insert the connectors to the ports.

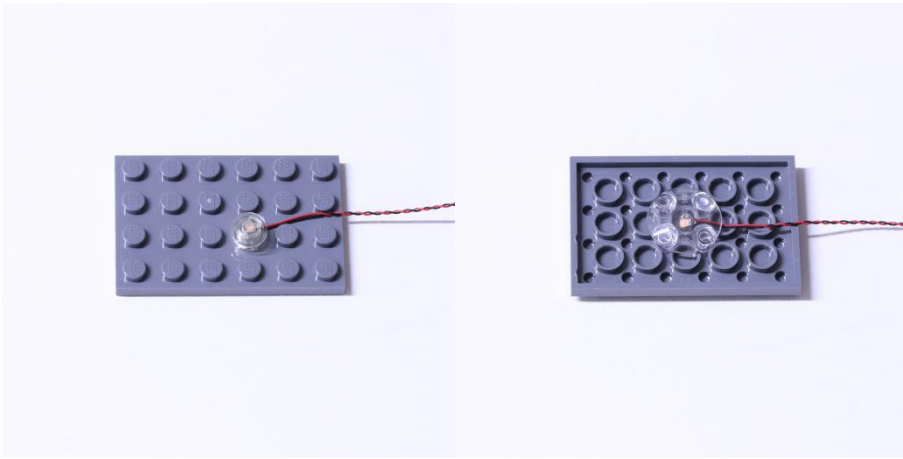
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, and don't force it, for that may result in bent pins inside the port or overheating of the expansion board.



At this point, use the tweezers to straighten the bent pins.

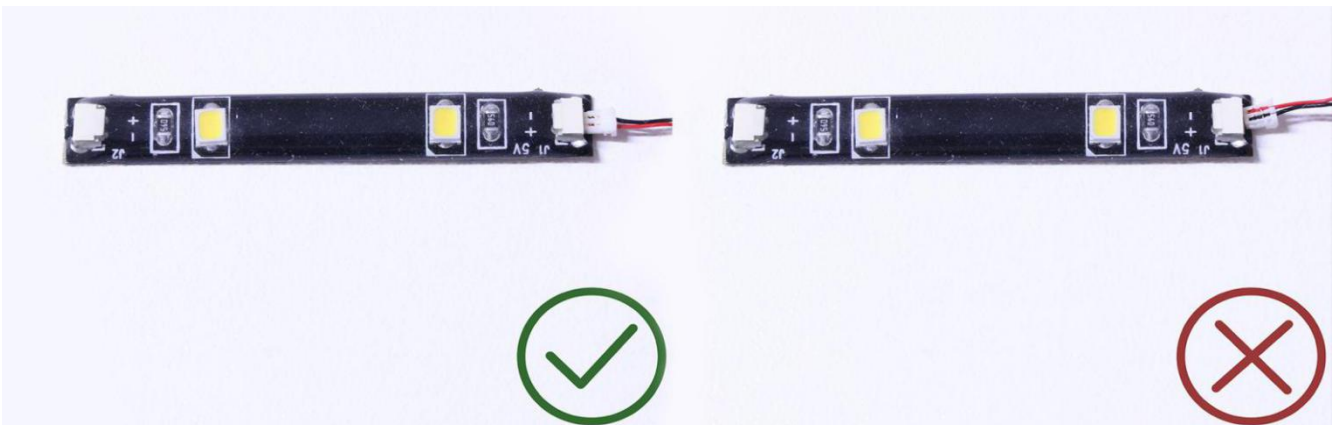


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.



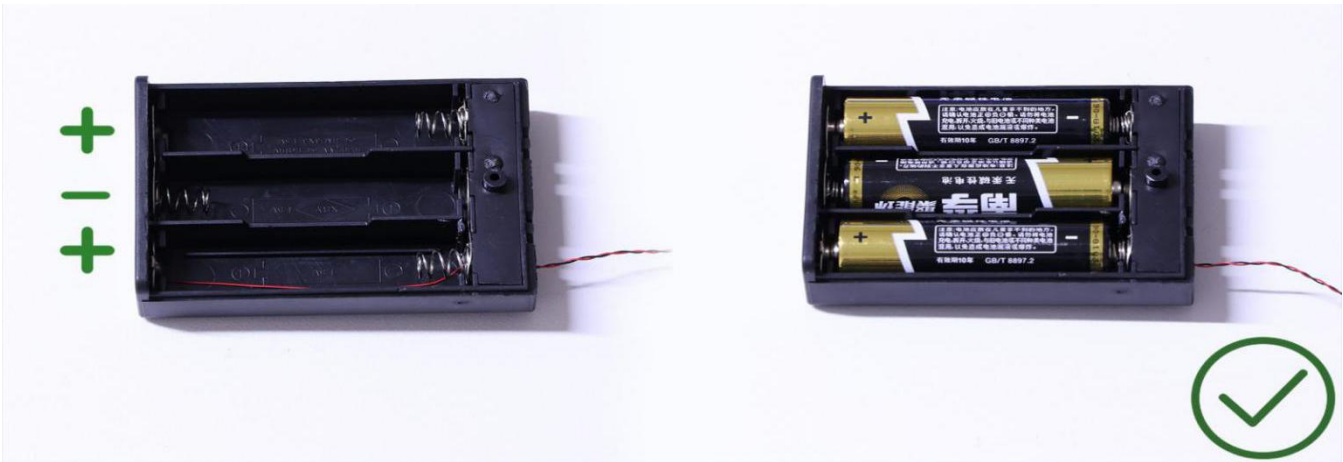
Connecting cable connectors to Strip Lights

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



Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.





OK, Let's Begin!

Instructions for installing this kit

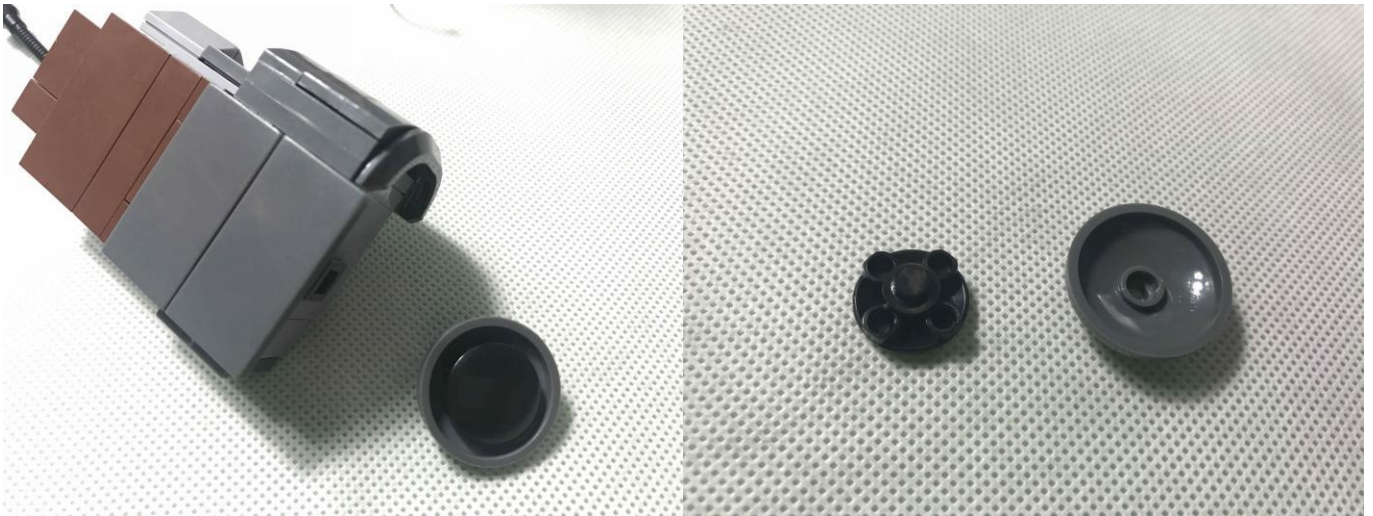
Take two 30cm Multi-Colour Changing Light Strings, two Trans white Round Plate 2X2 and two Trans White Round Plate 1X1.



Take one of the Dot Lights, with the light side facing down, fixed with a 1x1 small round plate.



Remove the right side of the robot head, remove the black piece, and replace it with the transparent piece installed.



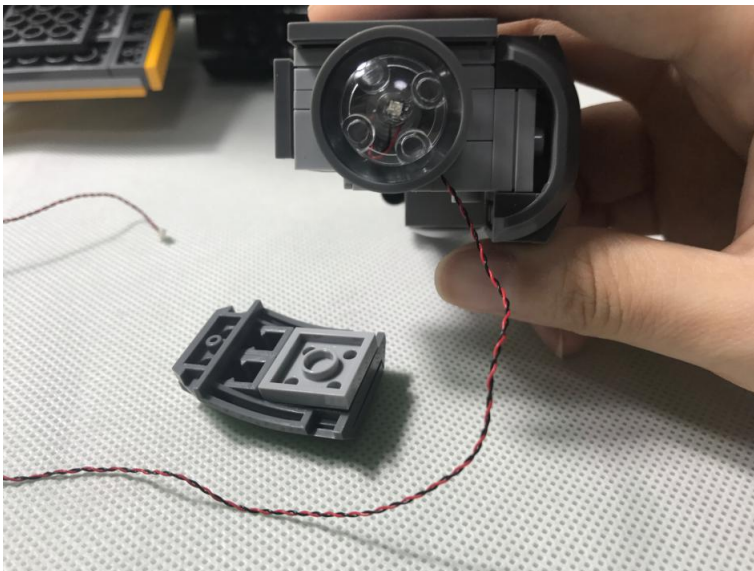
Thread the Dot Light end through the gray round hole and install the transparent piece.



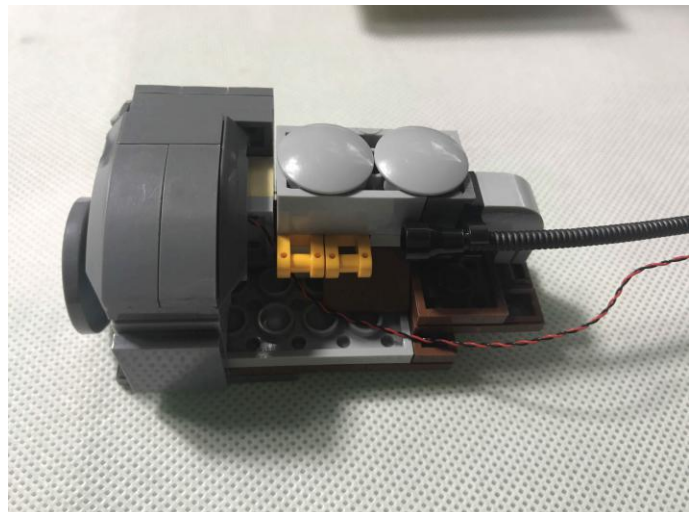
Press the eye part back to the original position. Note: Due to the thin wire, please be careful not to use brute force during installation to avoid tearing and breaking.



Remove the pieces from the lower part of the eye



Hide the cable under the pieces, install the pieces back, place the cable inside the yellow piece on the lower right, and install it back to the robot.





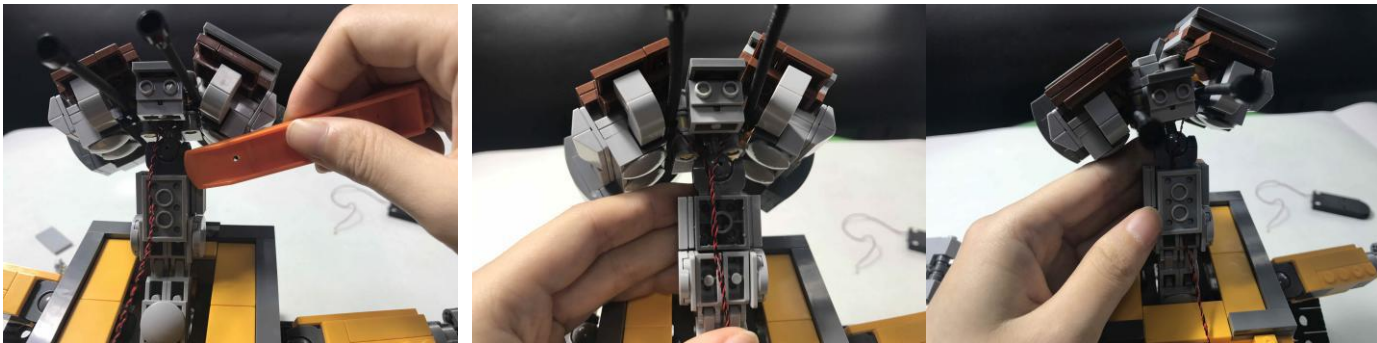
Repeat the above operation to install the left eye Dot Light.



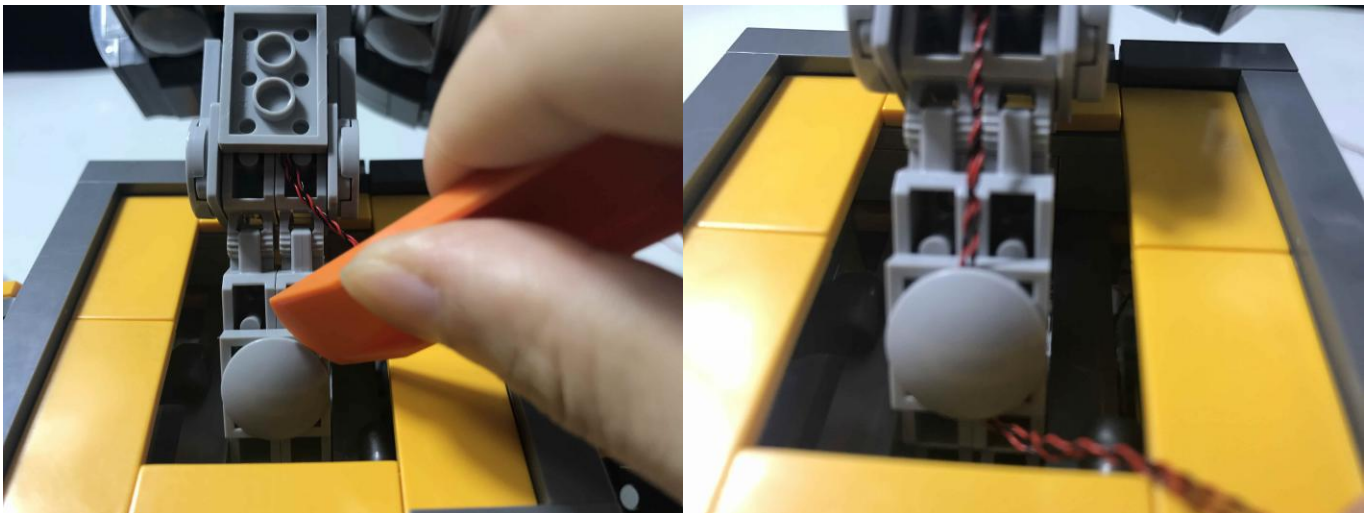
Now we turn the robot over and wrap the 2 cables into 1 strand behind the robot.



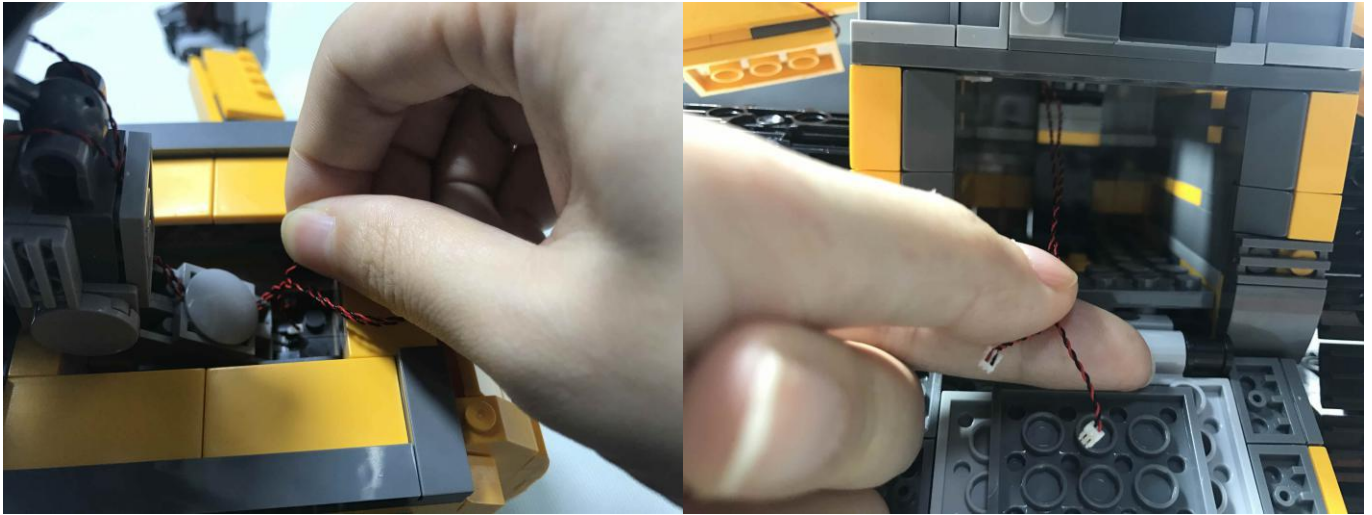
Remove the gray base plate from the neck of the robot, press the cable against the stud gap, and install it back into the gray base plate. Note: In order to ensure that the neck can flex normally, the line should not be pressed too tightly, and the slack should be adjusted appropriately.



Press the cable under the gray round plate



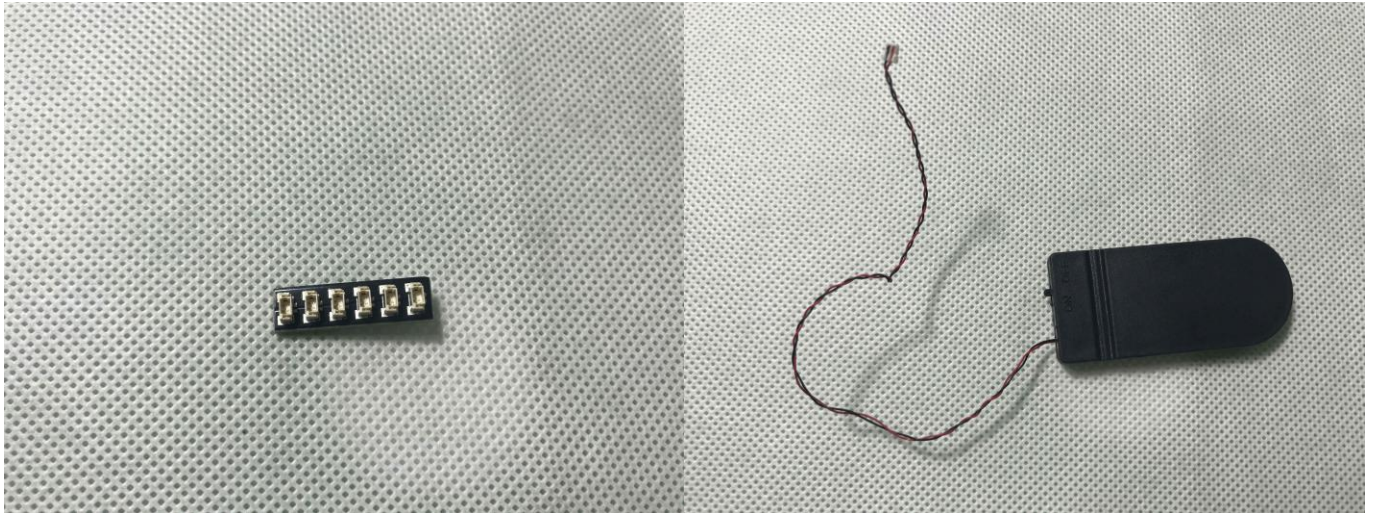
Pass the plug through the gap in the back of the neck and pull it out of the stomach



Now we have installed Multi-Colour Changing Light Strings on the head, we can hardly see the cables from the front.



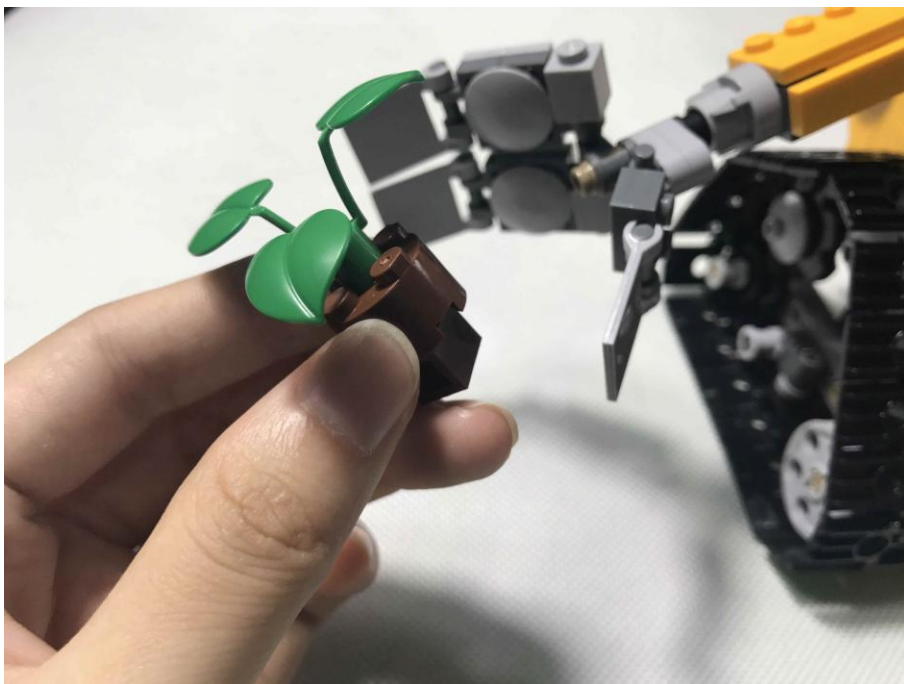
Take a 6 Port Expansion Boards and a Long Button Battery Case, install the battery, and connect the Dot Light and the battery pack through the Expansion Boards.



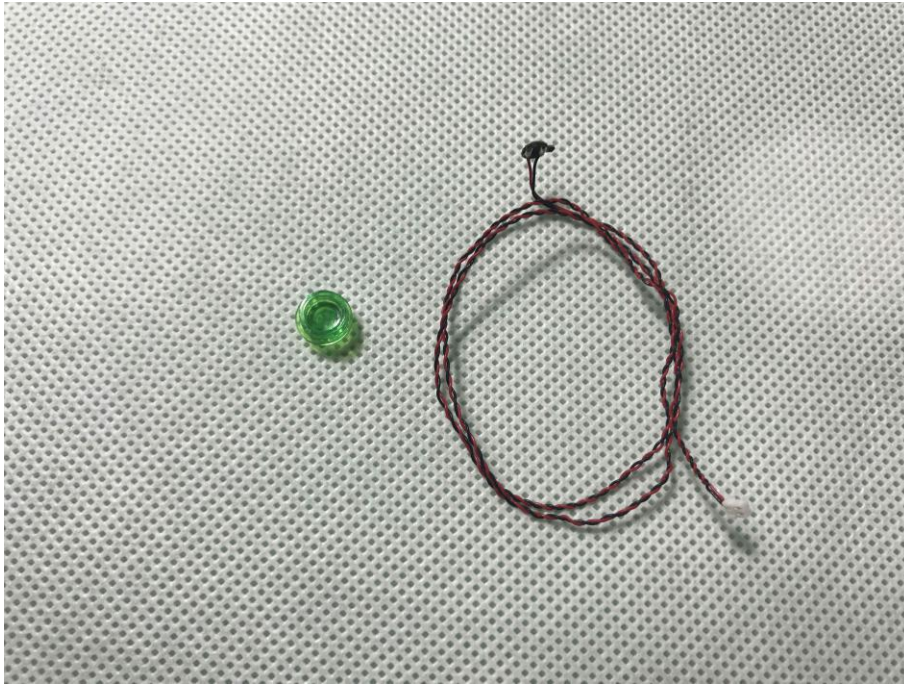
Turn on the switch and see the effect!



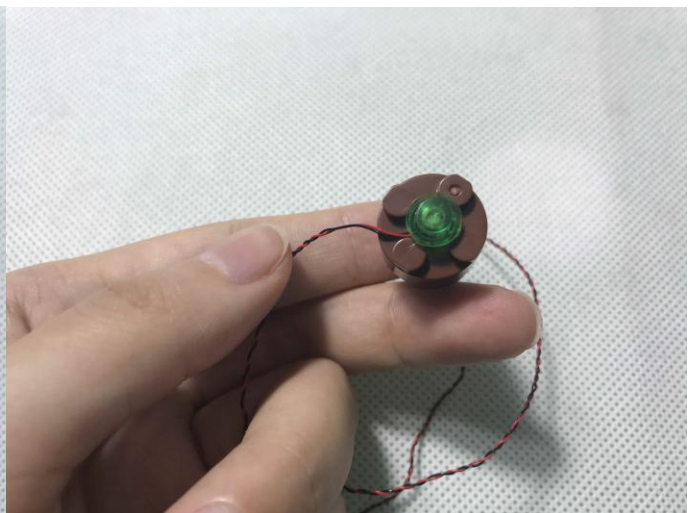
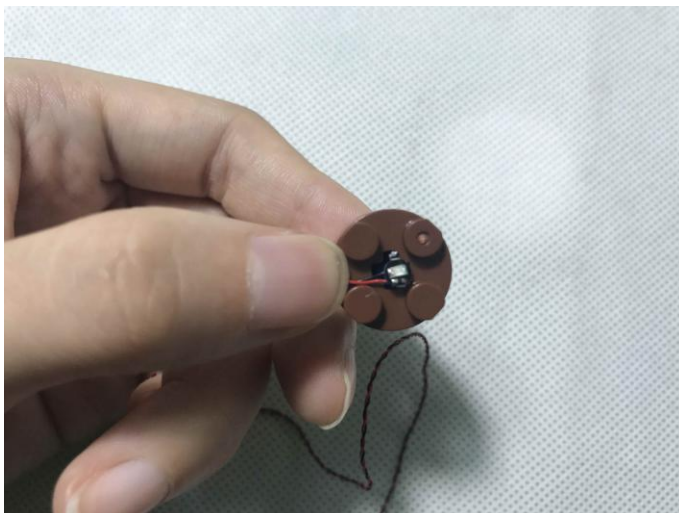
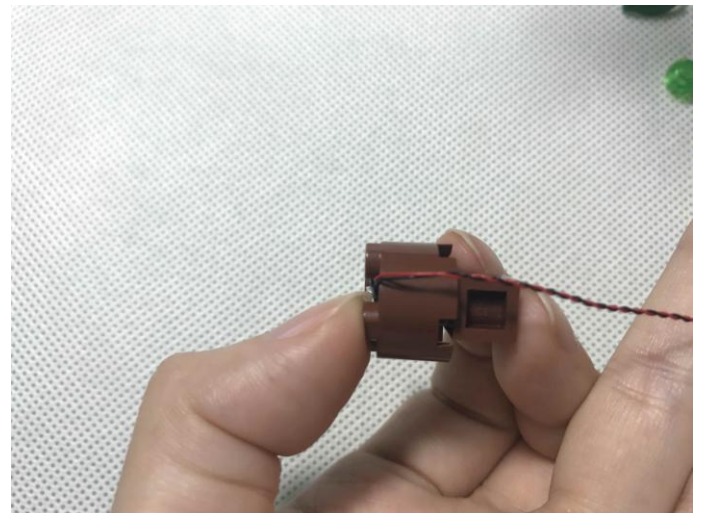
After enjoying it, we then install the other parts and take off the flower pots.



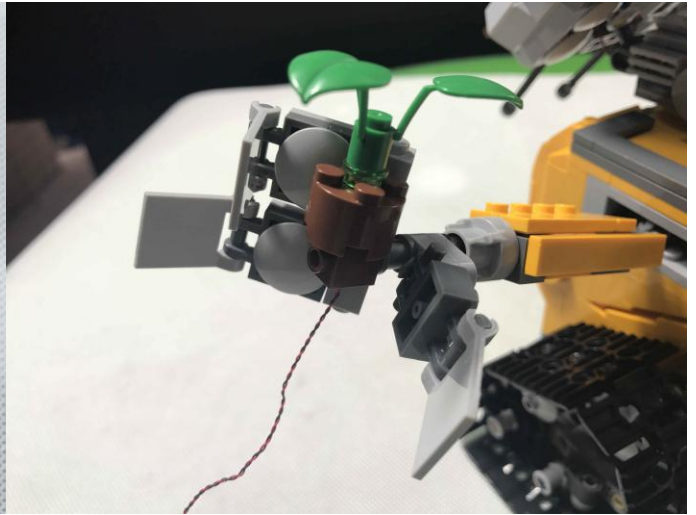
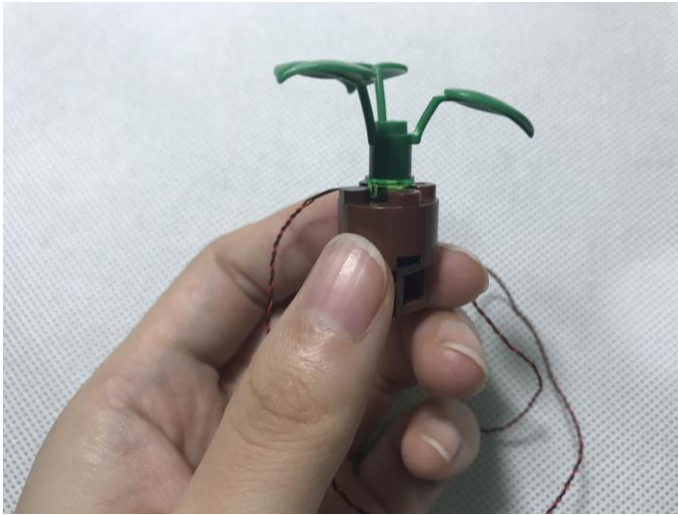
Take one 30cm white Dot Light, one green transparent piece.



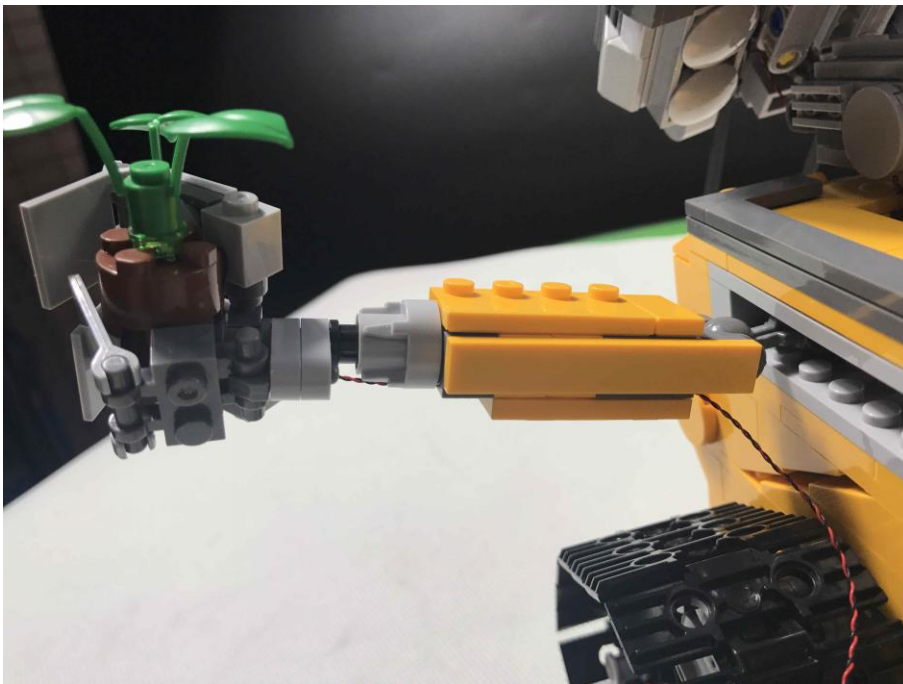
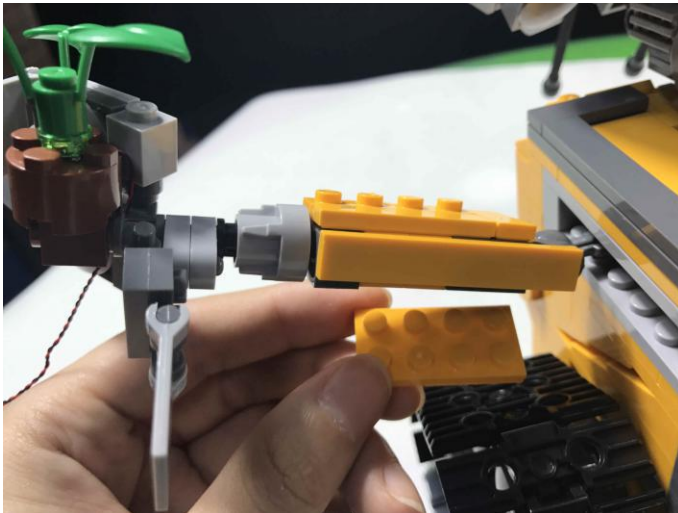
Disconnect the green and brown parts, with the light-emitting side of the Dot Light facing up, the cable facing the side with the square groove at the lower end, fixed with a green transparent piece.



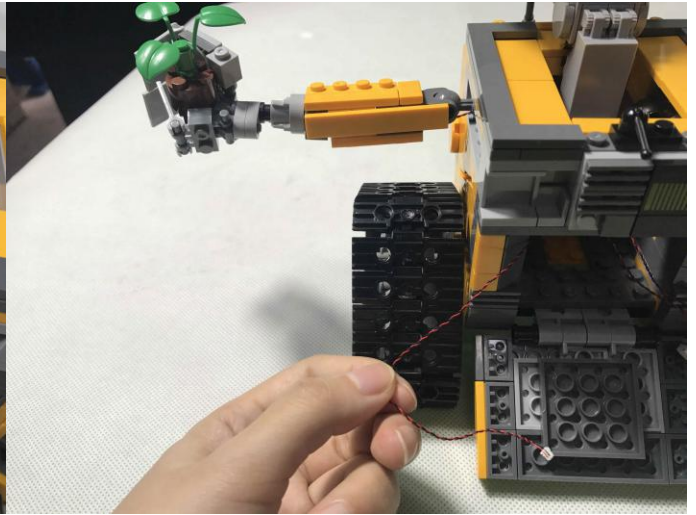
Put the flower pot back.



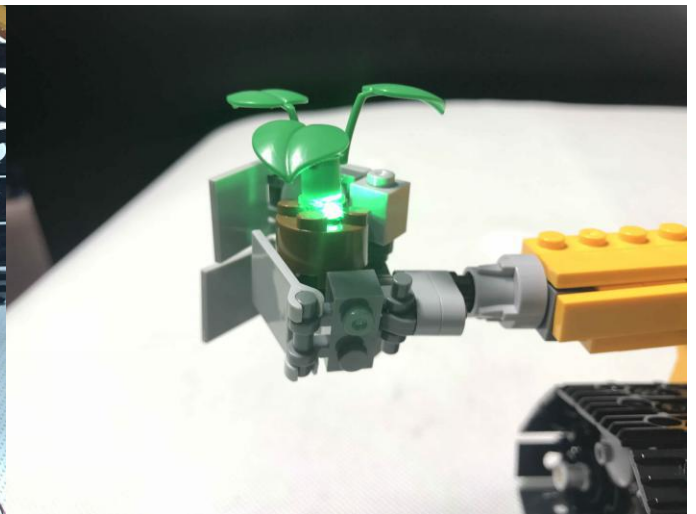
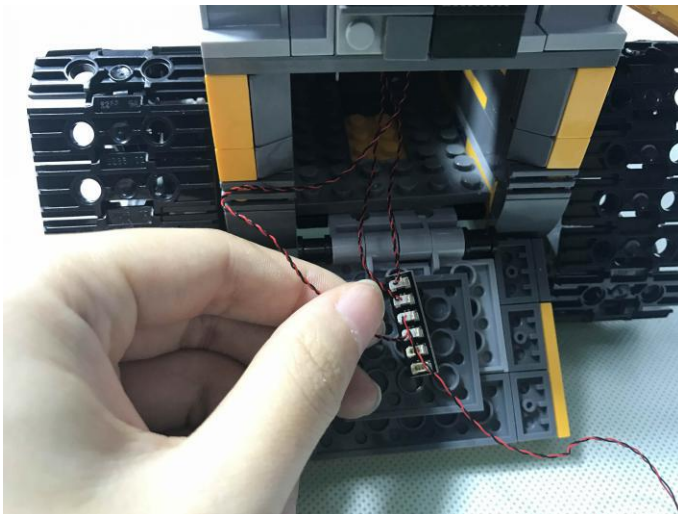
Remove the yellow 2*4 base plate under the arm and press the cable between the studs



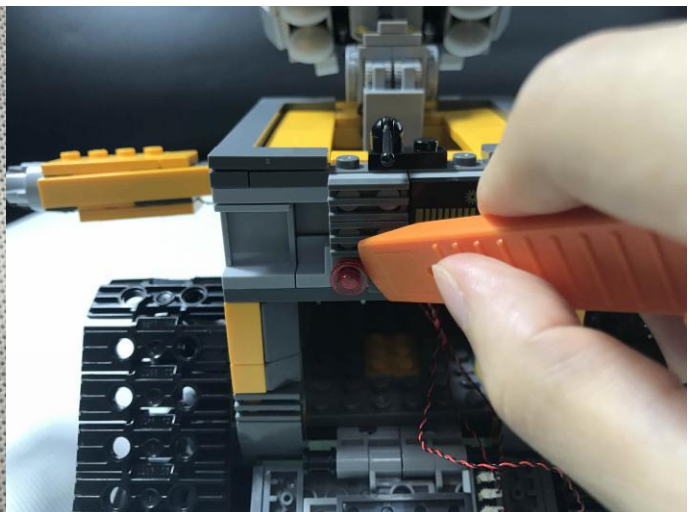
Put the plug end from the back of the arm into the belly and pull the line out.



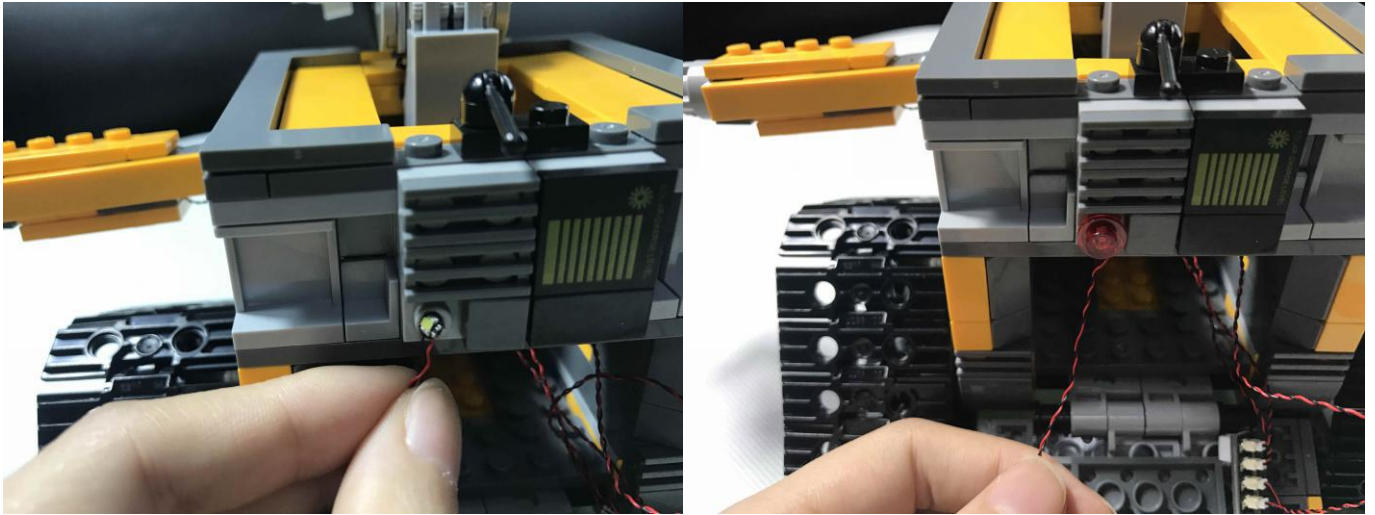
Connect the plug to the Expansion Boards, let's see the effect.



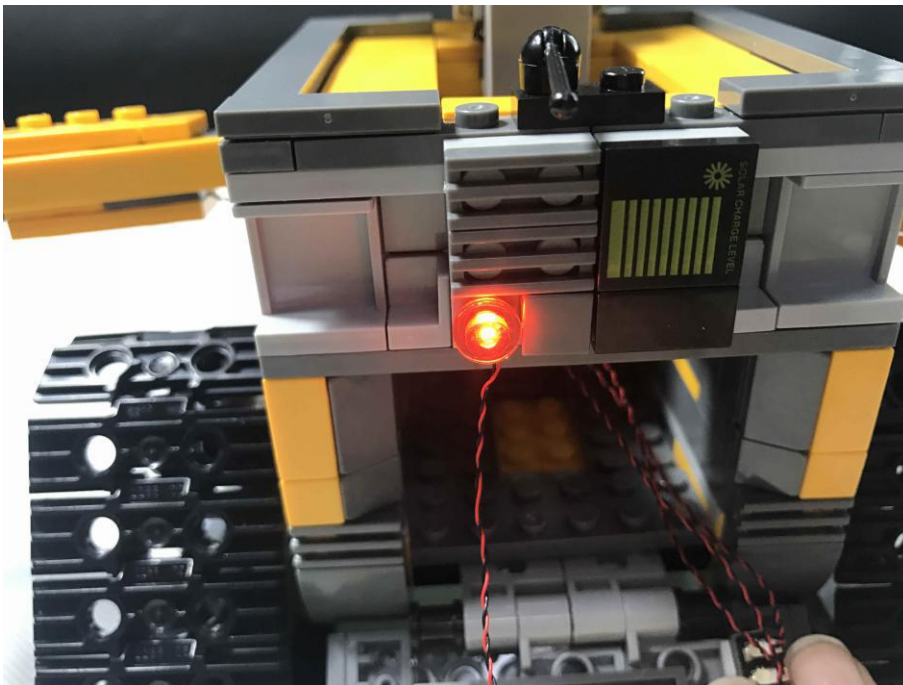
Take a 15cm white Dot Light and remove the red transparent piece from the chest of the robot.



Install the light bit with the light side up.



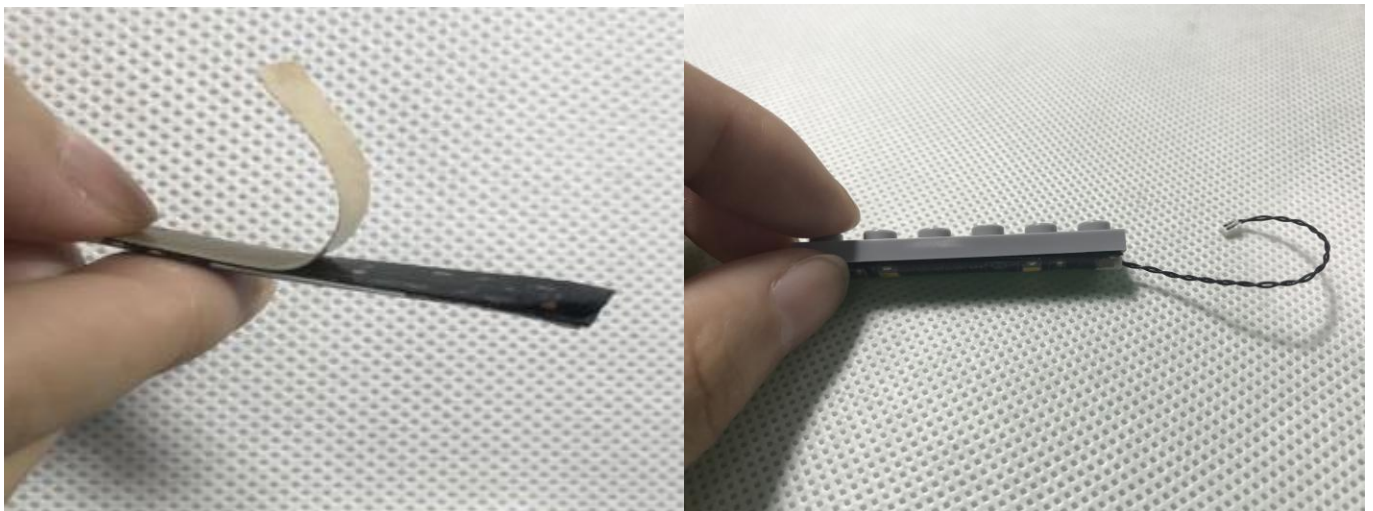
Connect the Expansion Boards, let's see the effect!



Then we take a 5cm cable, a warm white strip light, and a 1*6 gray base plate.



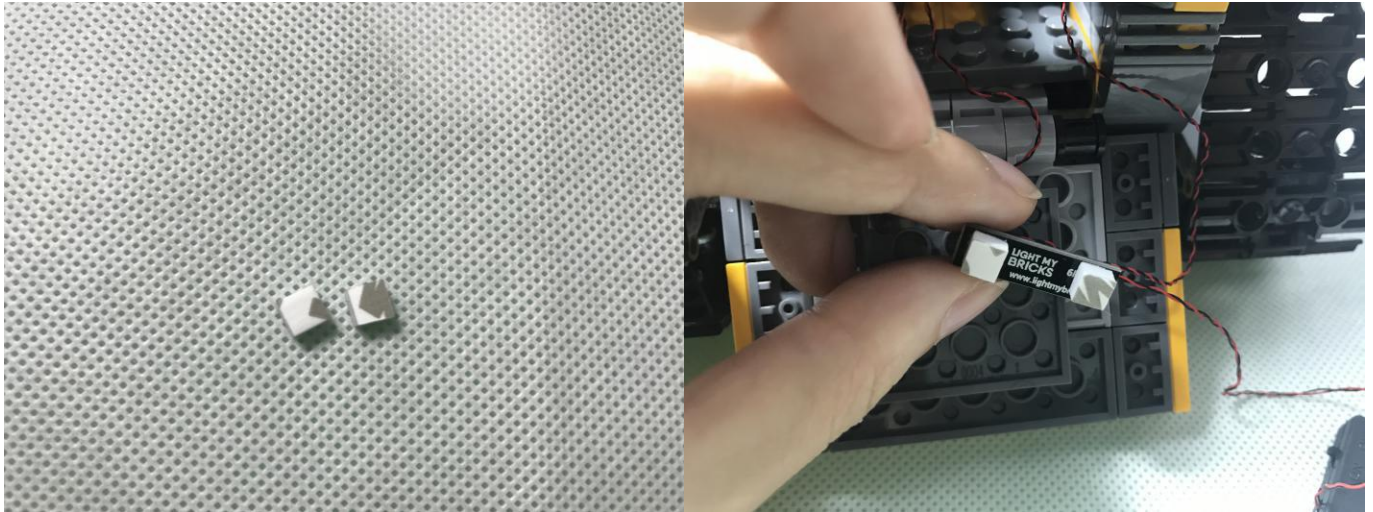
Stick the strip light on the back of the base plate and connect the 5cm cable.



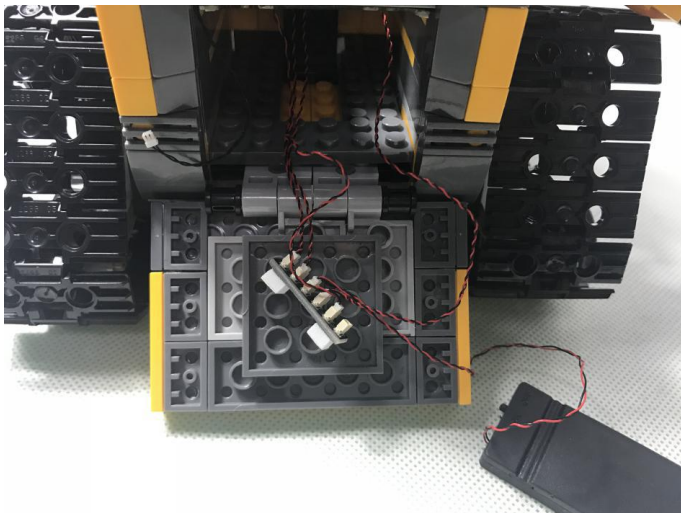
Fix the cable of the Dot Light in the strip light and base plate stud gap, and install the strip light in the position as shown blew.



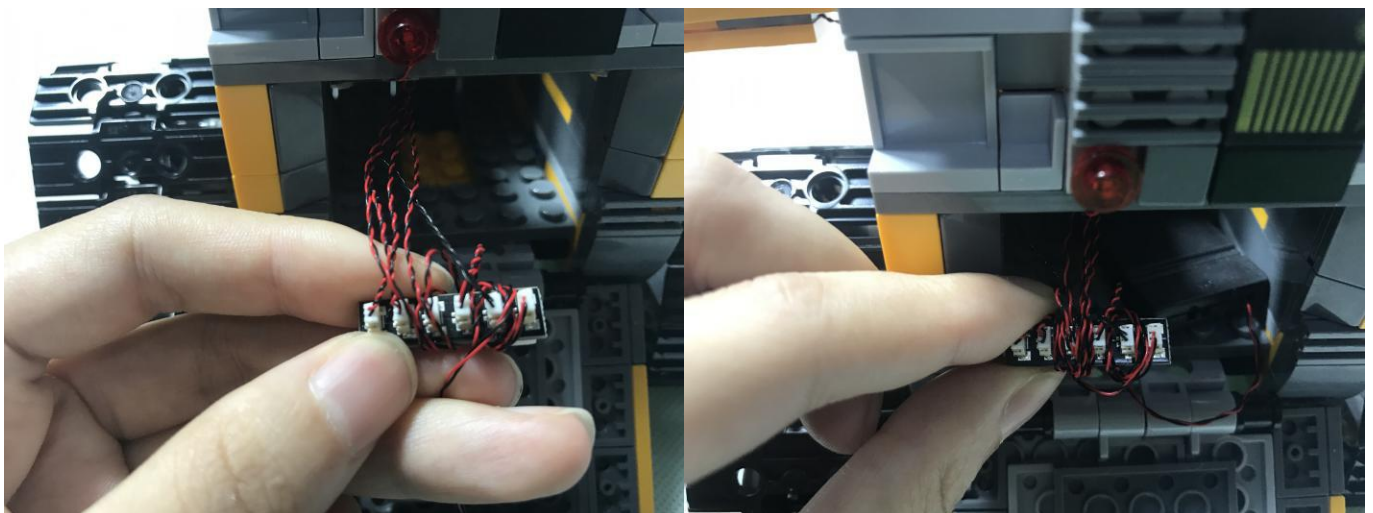
Take 2 Adhesive Square and stick it on the 6 Port Expansion Boards.



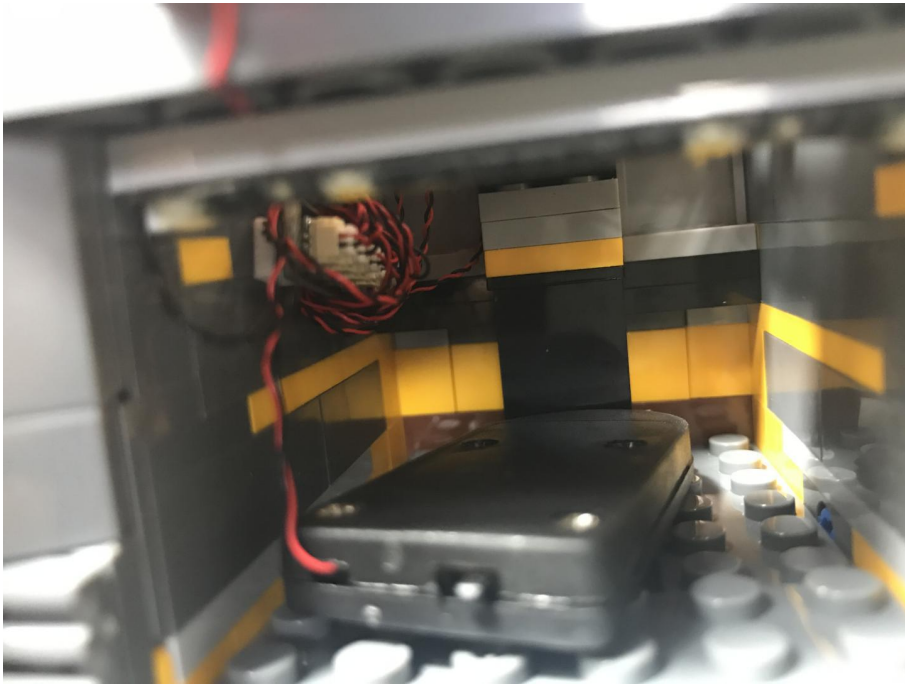
After connecting the strip light to the Expansion Boards, we have installed all the lights. It's time to deal with these slack cables.



Wrap the cables around the 6 Port Expansion Boards.



Fix the Expansion Boards to the inner wall of the robot with Adhesive Square.



This finally completes installation of this kit. Now turn ON your kit and ENJOY!



