21052 Dubai P178

- **P178 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 "21052 P178".**

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

Label	Content	Quantity
Bit Lights-15CM-White	Bit Lights-15CM-White	4
Bit Lights-30CM-Blue	Bit Lights-30CM-Blue	1
Bit Lights-15CM-Blue	Bit Lights-15CM-Blue	1
Bit Lights-15CM-Green	Bit Lights-15CM-Green	1
Bit Lights-30CM-Green	Bit Lights-30CM-Green	1
Bit Lights-30CM-White	Bit Lights-30CM-White	1
Bit Lights-15CM-Warm White	Bit Lights-15CM-Warm White	6
Multi-Colour Strips	Multi-Colour Strips	1
Connecting Cables-15CM	Connecting Cables-15CM	1
Connecting Cables-30CM	Connecting Cables-30CM	1
Expansion Board	8 Socket Expansion Board	1
	12 Socket Expansion Board	1
USB Power Cable	USB Power Cable-30CM	1
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 "USB Power Cord"and "Expansion Boards"as follows.

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 USB Power Cord and Expansion Boards is as follows:
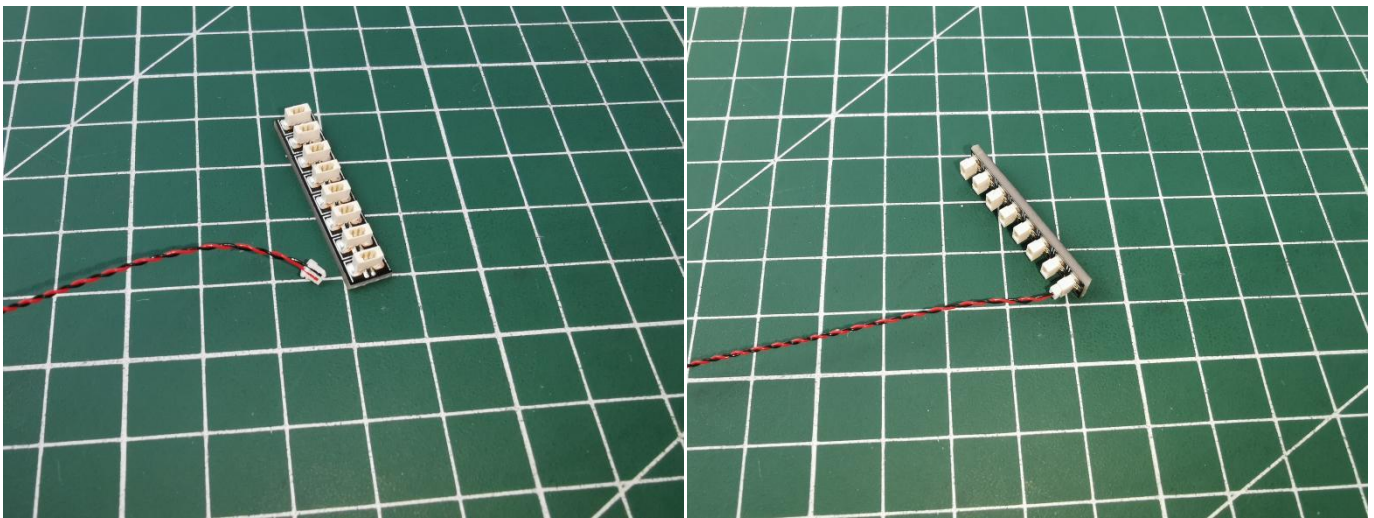
The USB Power Cord can be powered by phone chargers, power banks,etc.

USB connectors to connect devices

Power Bank

Phone Charger

USB Socket

USB Power Cable

With USB to interface
AA battery box

With USB to interface
AAA battery box
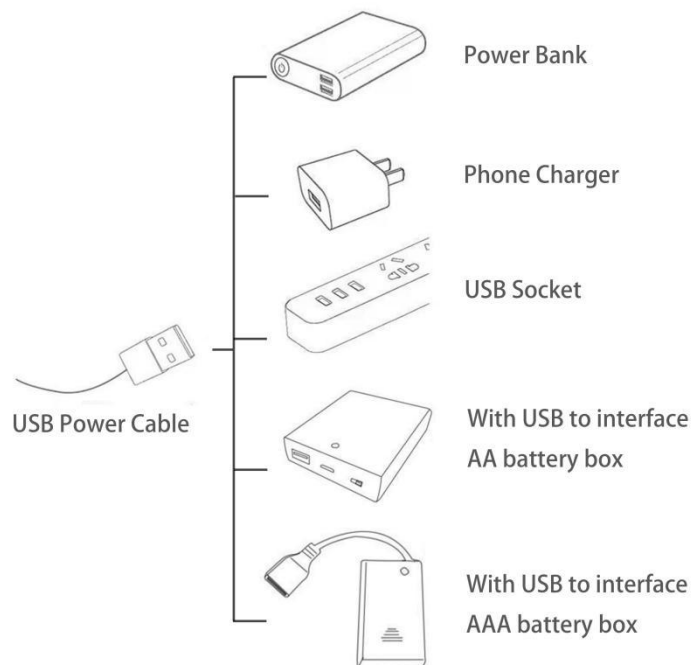
This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.

when we test "Bit Lights-15CM-Warm White" particles,Take out the bag labelled "Bit Lights-15CM-Warm White".Take out one of the light and connect it to the socket. Turn on the power bank, the light will turn on normally as shown below.
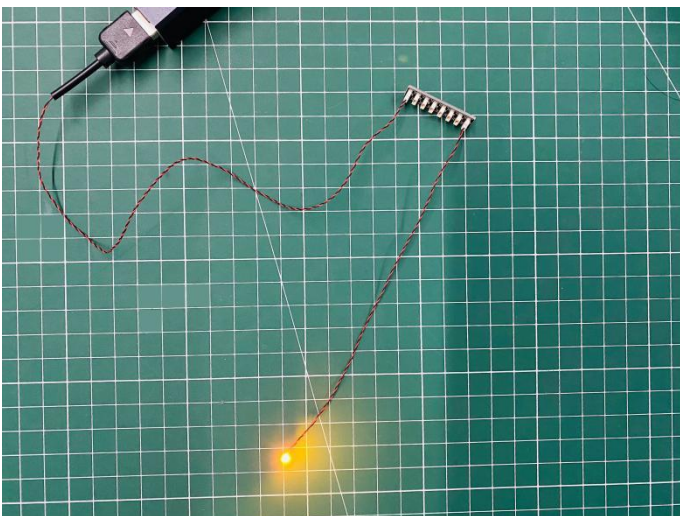
Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.

The components needs to be tested in this set is 4*Bit Lights-15CM-White,1*Bit Lights-30CM-Blue,1*Bit Lights-15CM-Blue,1*Bit Lights-15CM-Green,1*Bit Lights-30CM-Green,1*Bit Lights-30CM-White,5*Bit Lights-15CM-Warm White,1*Multi-Colour Strips.

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

Section C：laying out components following the instruction.

1

2. Turn to the right, disconnect the following pieces.

3. Take 2 white 15cm dot lights, 4 trans white slope bricks.
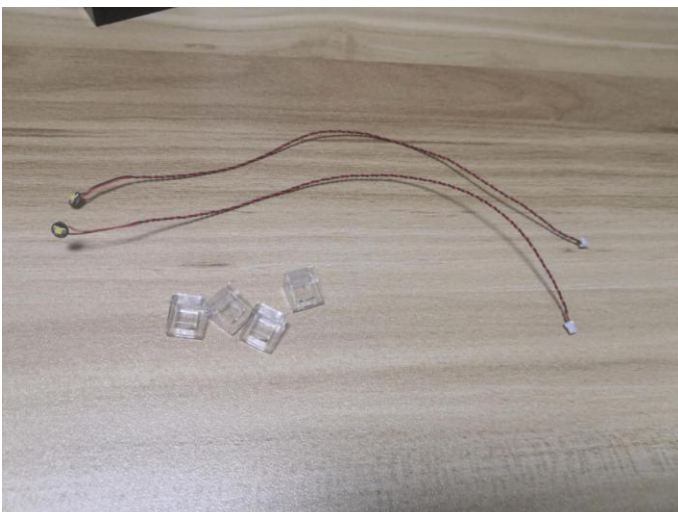
4.Install a light as per below, with lighting part facing up.
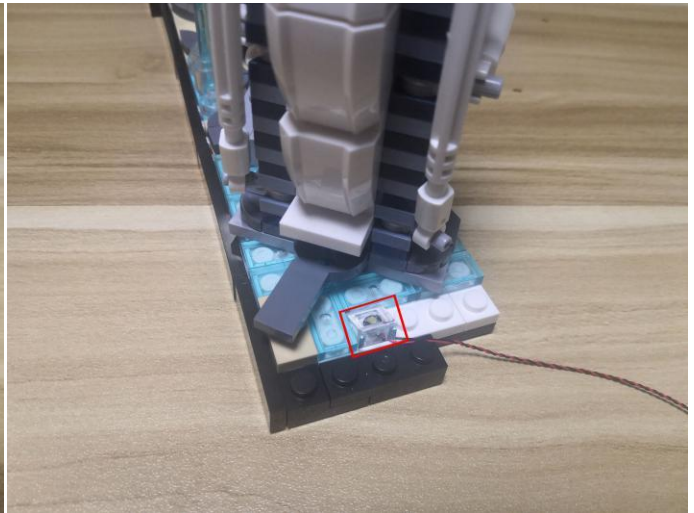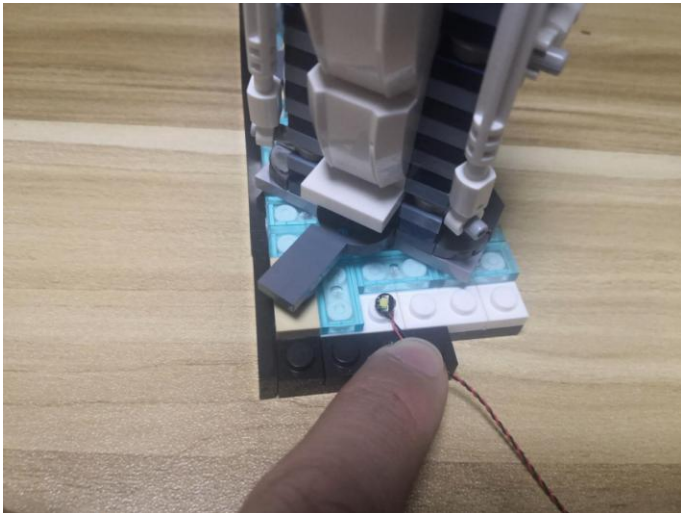
5.Install the second white dot light.
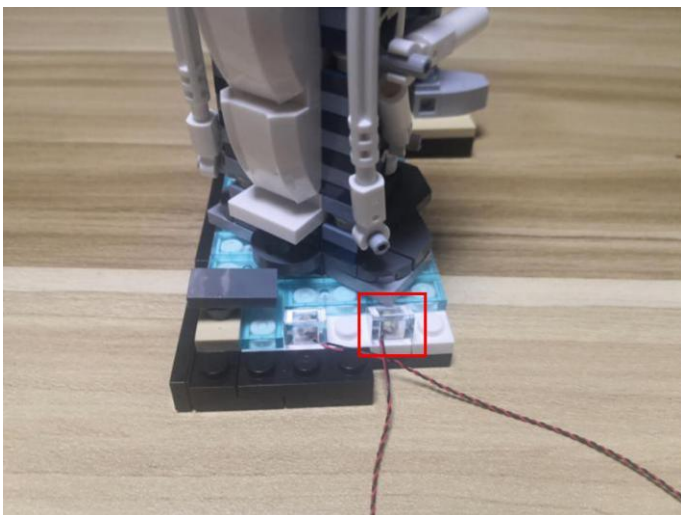
6.Connect 2 slope bricks over.
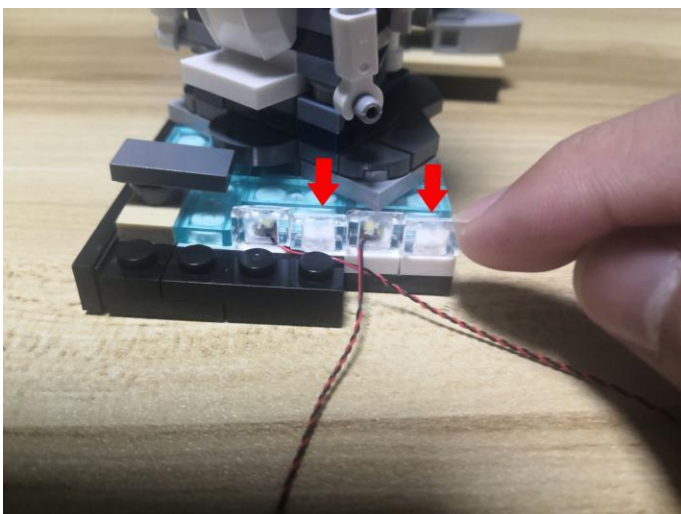
7.Reconnect the beige piece.

8.Disconnect the following black piece.

9.Continue to disconnect the following trans pieces.

10. Take 2 white 15cm dot lights.

11. With lighting part facing up, install a light as per below.
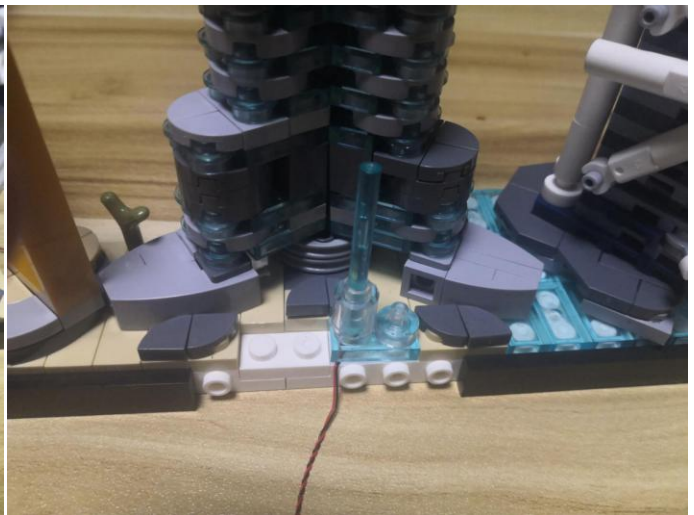
12. Install the other light as per below.
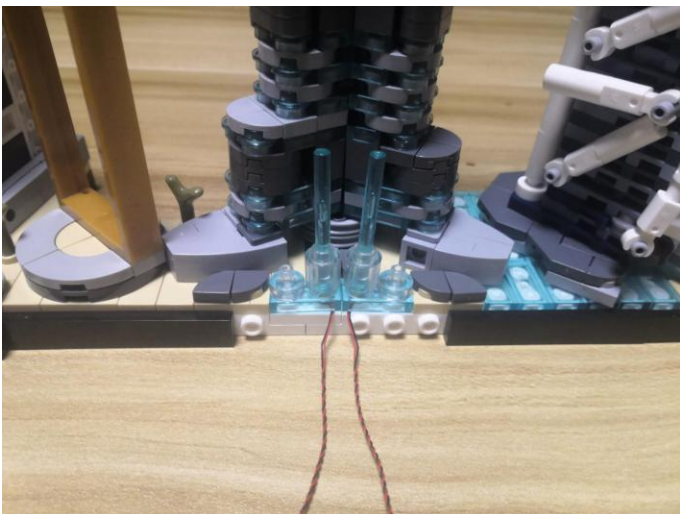
13.Reconnect the black piece, press the cable underneath.
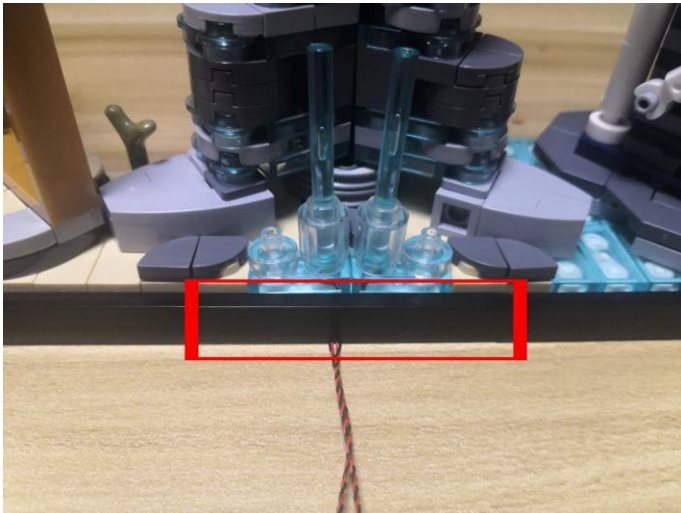
14.Lift the whole piece up. Pull the 2 cables behind.
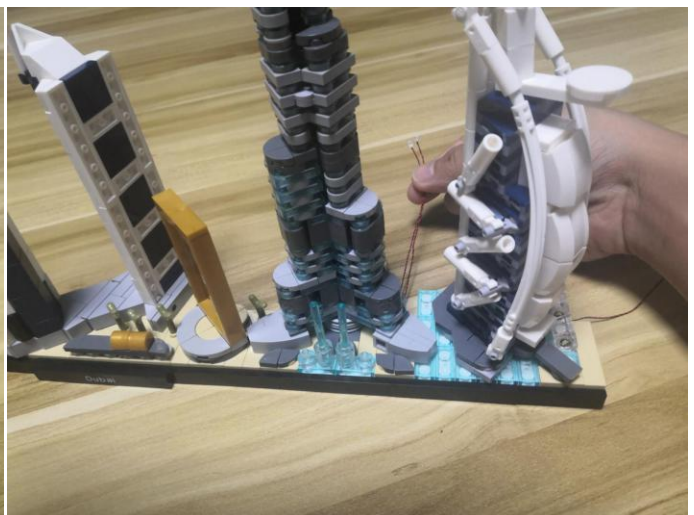
15.Remove the following pieces.
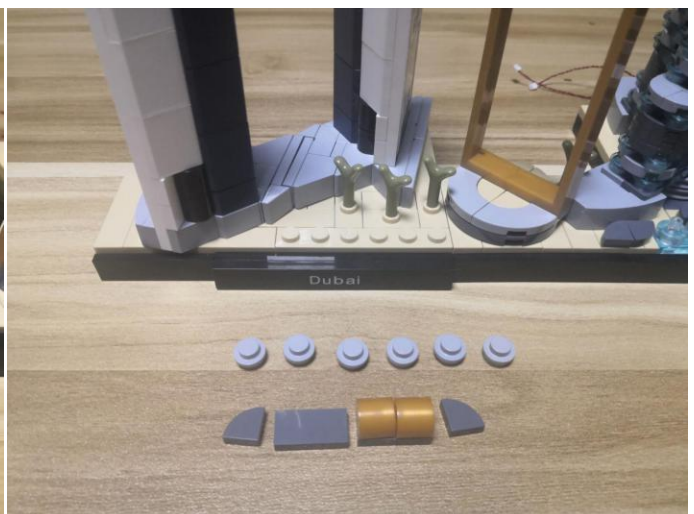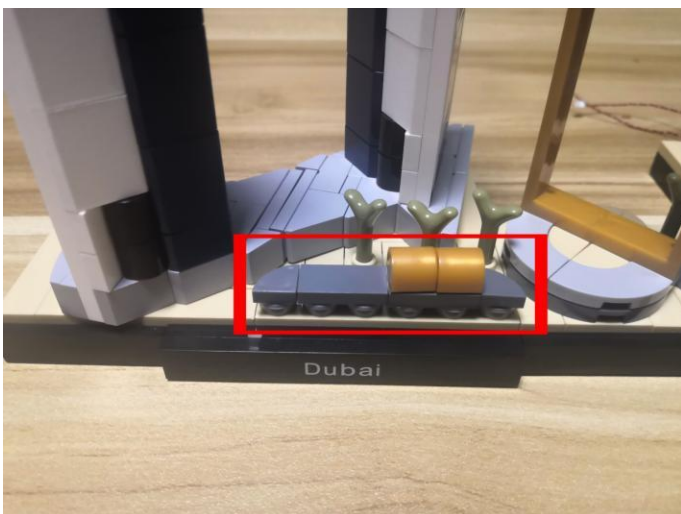
16.Remove the following 2 buildings.
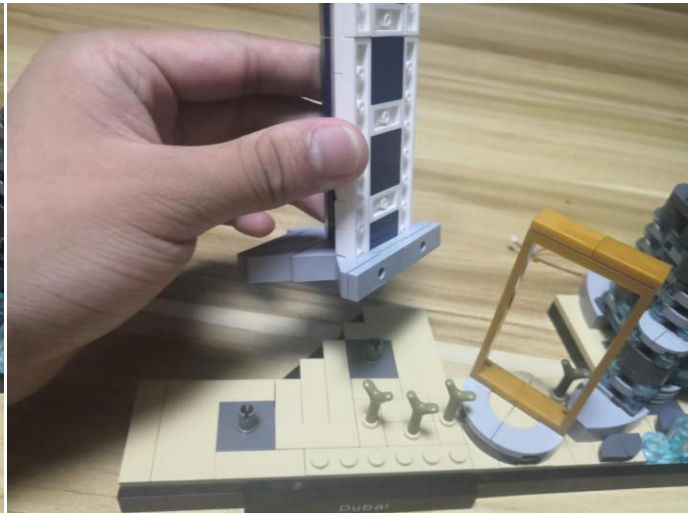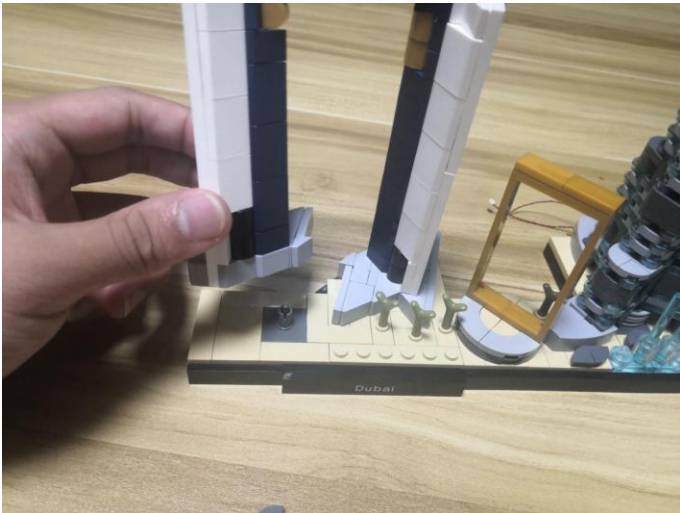
17.Take 6 warm white 15cm dot lights, 6 trans white 1x1 round plates.

Tips

The plate without slit:

The squeeze causes the protective layer of the wire to be torn apart, the positive and negative wires touch together, and the set is short-circuited and the hot or wire is crushed, the wire to be disconnected and don't work.
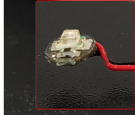
The plate with slit:

The wire has enough space to avoid being squeezed endowed with longer service life and more stable effect.
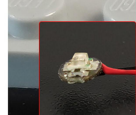
The slit on the the plate round 1X1 are hand-made to avoid squeeze the wire and cause short circuit and abnormalheat during installation.

18.Install a light at the following place as per below, with lighting part facing up.
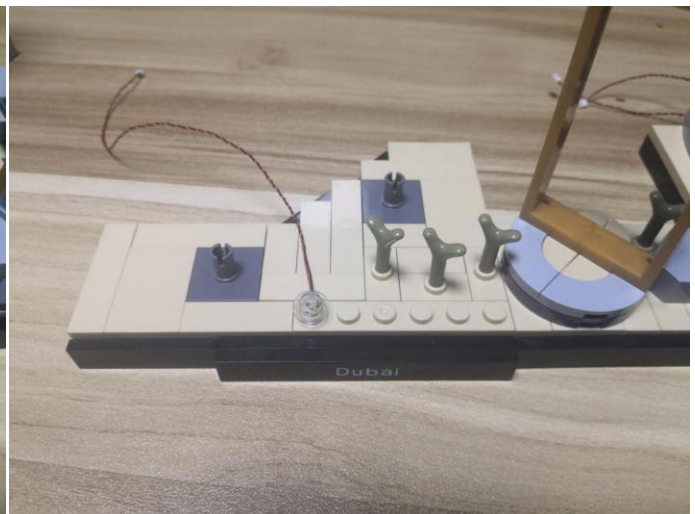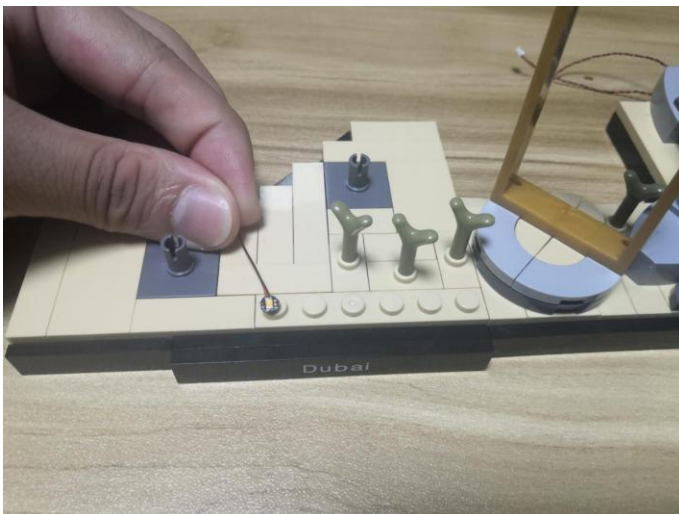
19.Install the other 5 lights in the same way.
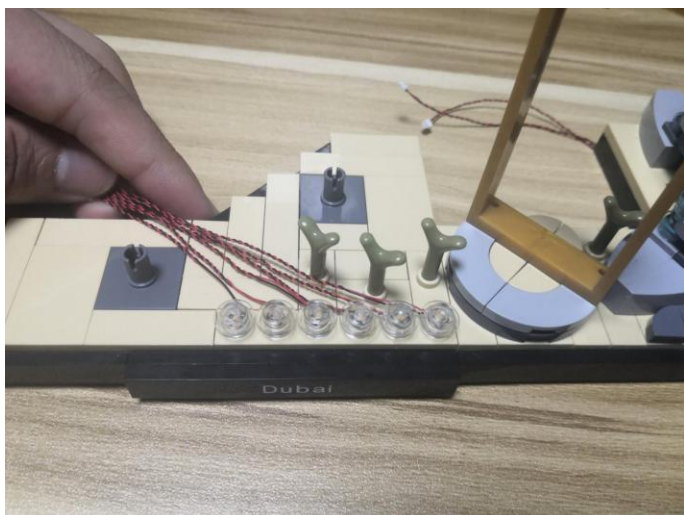
20.Remove the following 4 pieces.
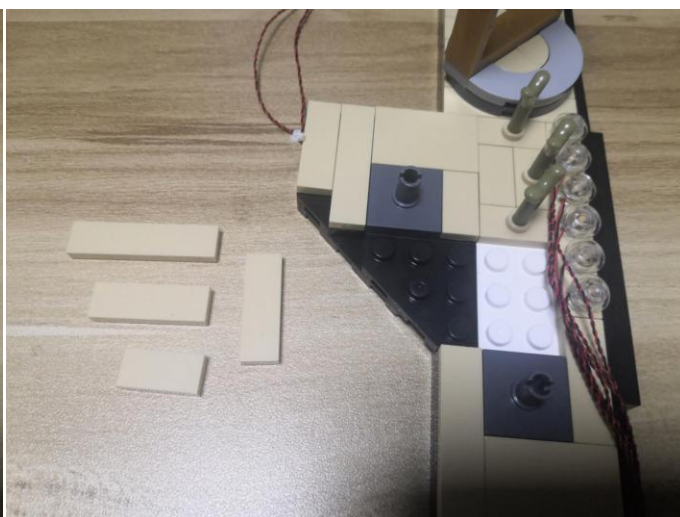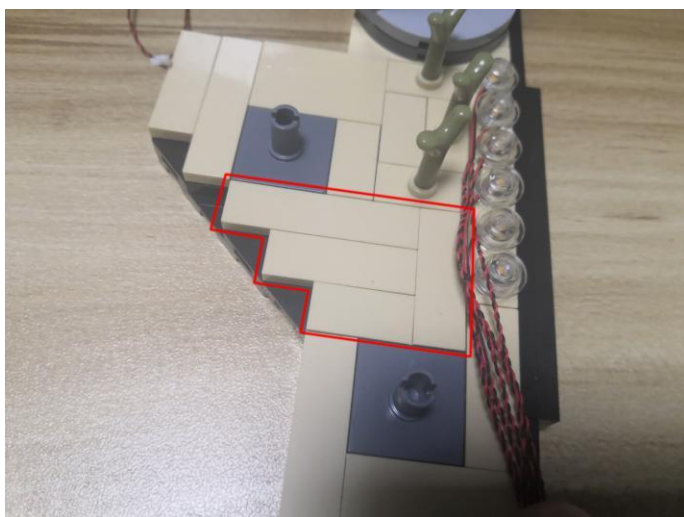
21.Place the cables as per below.
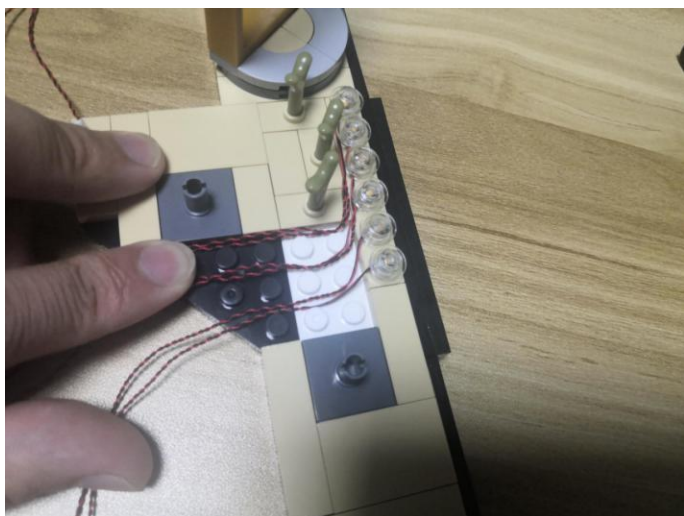
22.Reconnect the following 4 pieces.
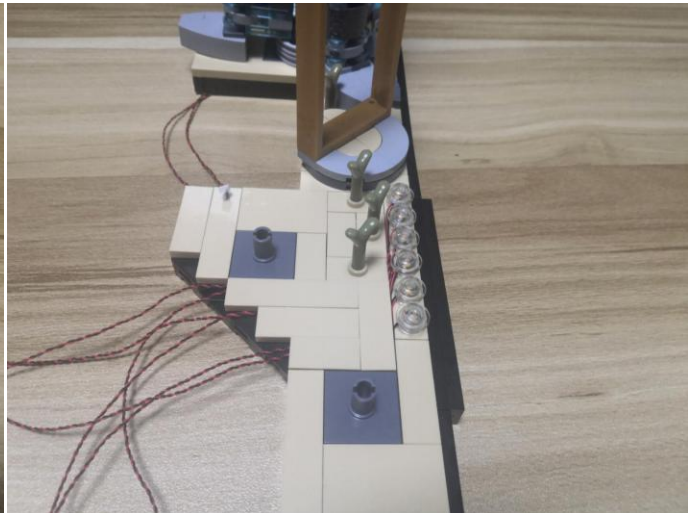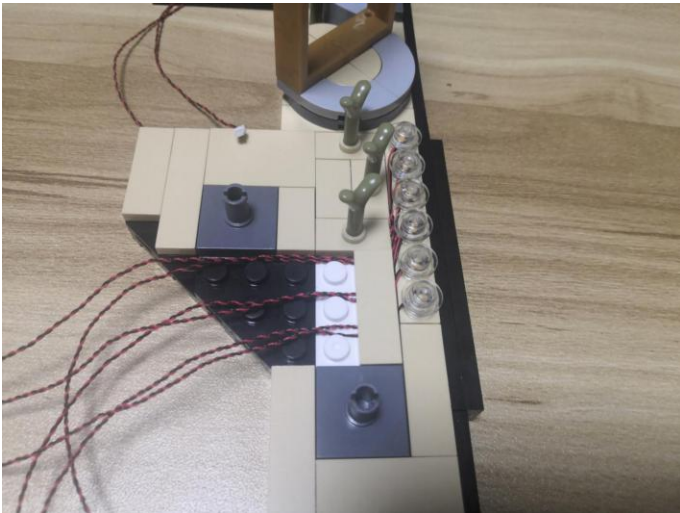
23.Reconnect the 2 buildings.
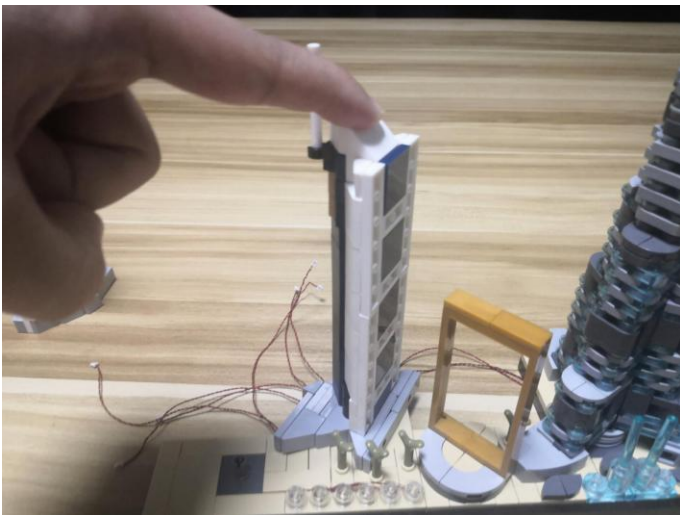
24.Reconnect the pieces at the front.
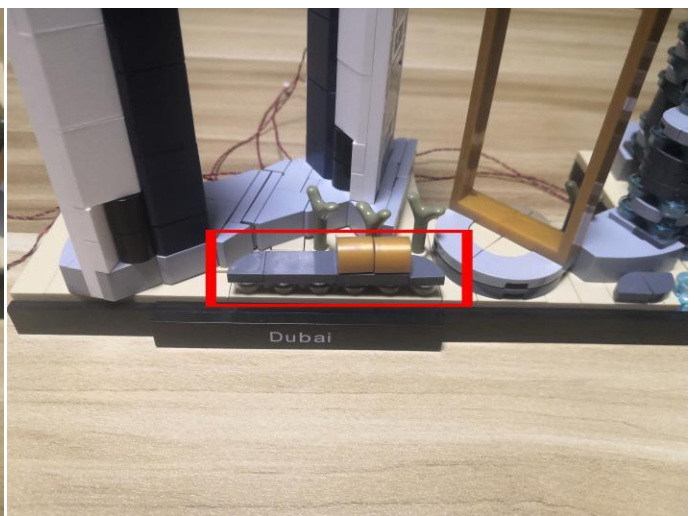
25. Turn to the back, disassemble the tower as per below.
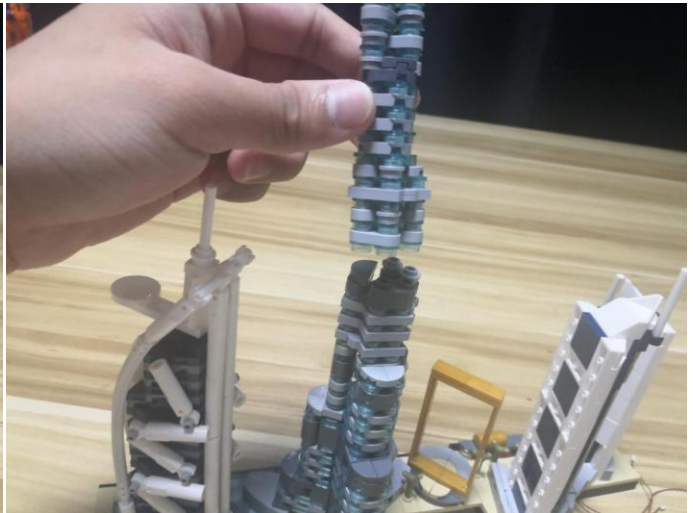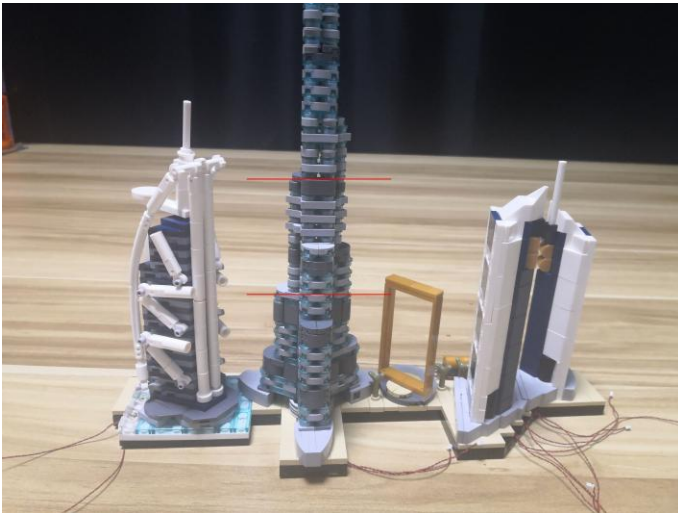
26
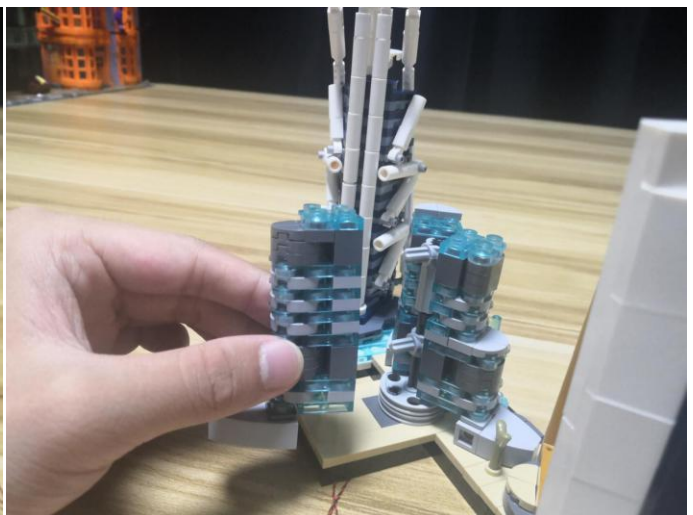
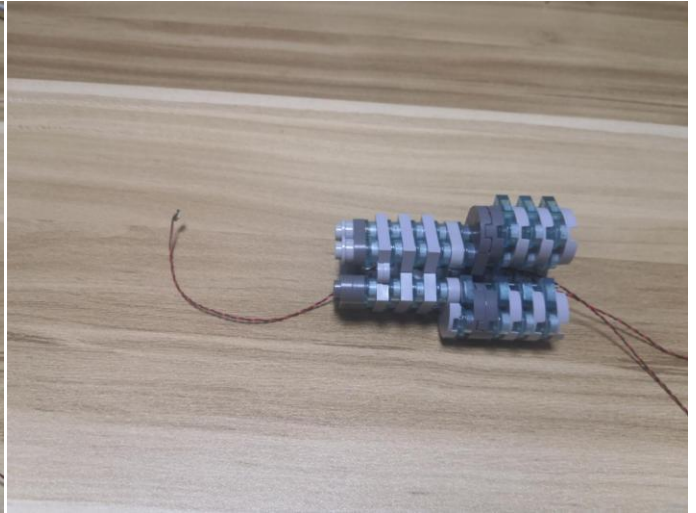

27. Take a green 15cm dot light, an adhesive square.

28. Stick the light to the following place.
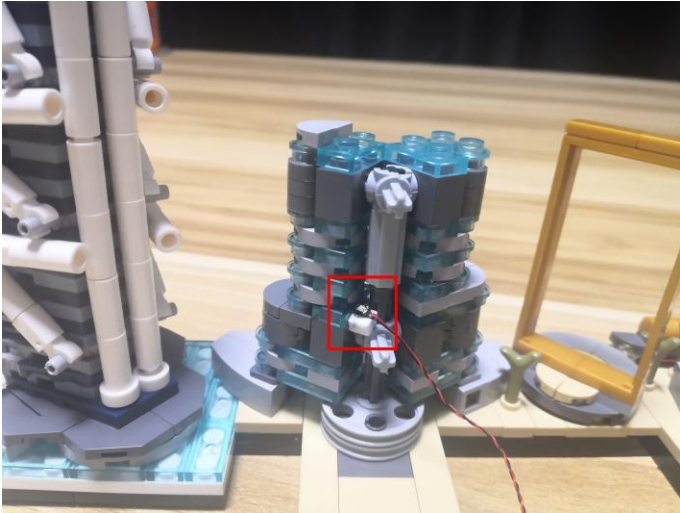
29. Take a blue 15cm dot light, an adhesive square.
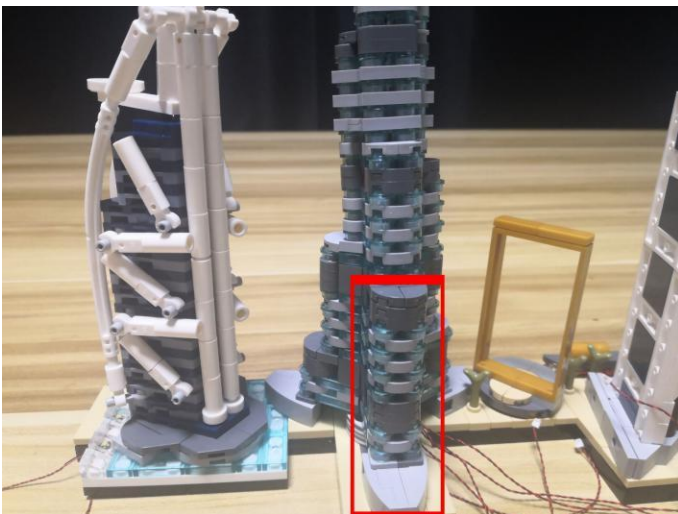

30. Stick the light to the following place.
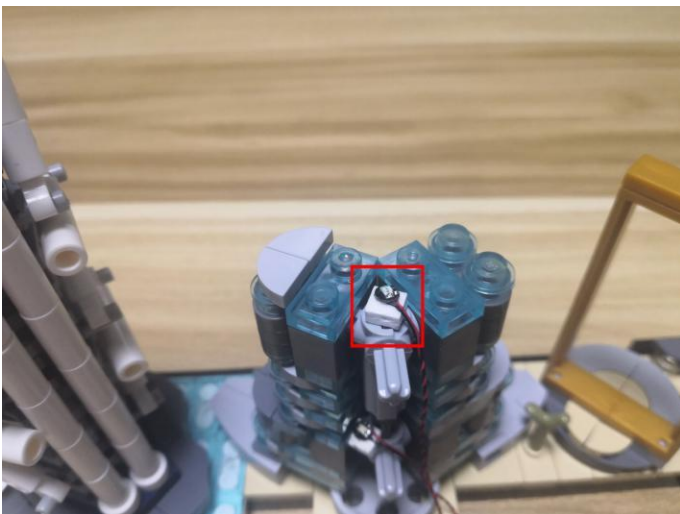
31.Take the middle part of the tower.

32.Take a green 30cm dot light, an adhesive square.

33.Stick the adhesive square to the back of the light.
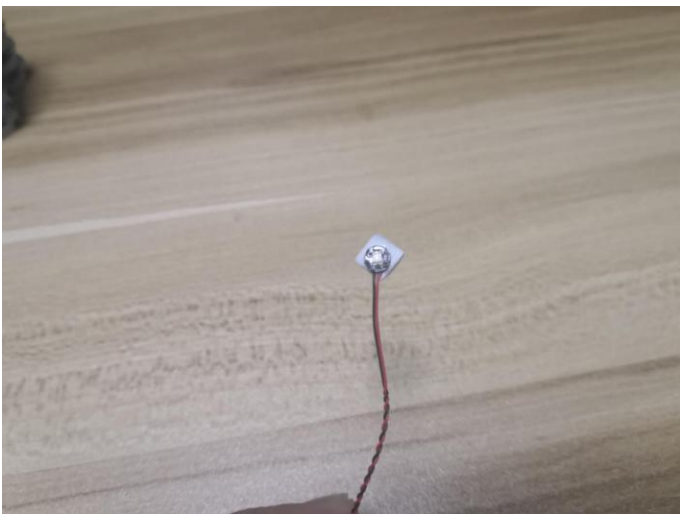
34.Thread the cable through the middle part.
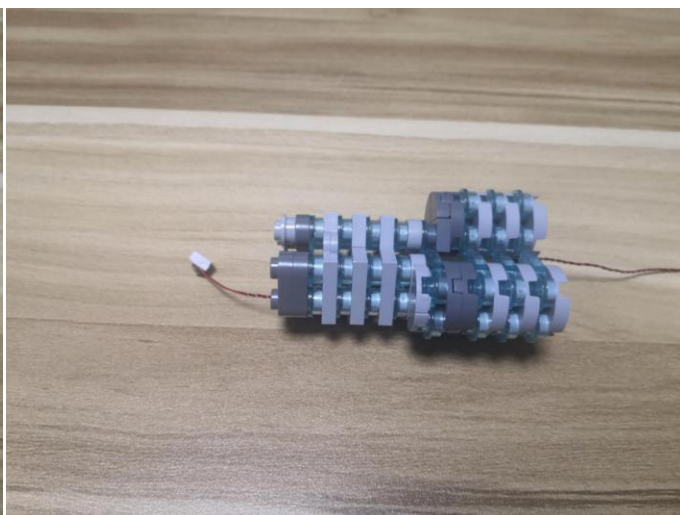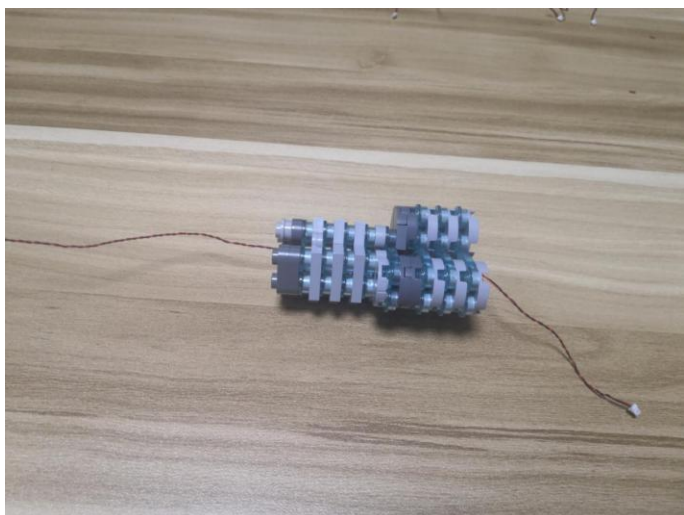
35.Stick the light at the following place.
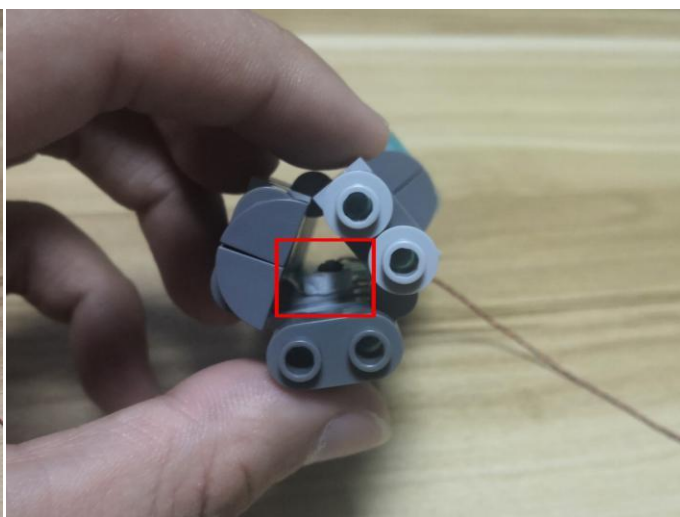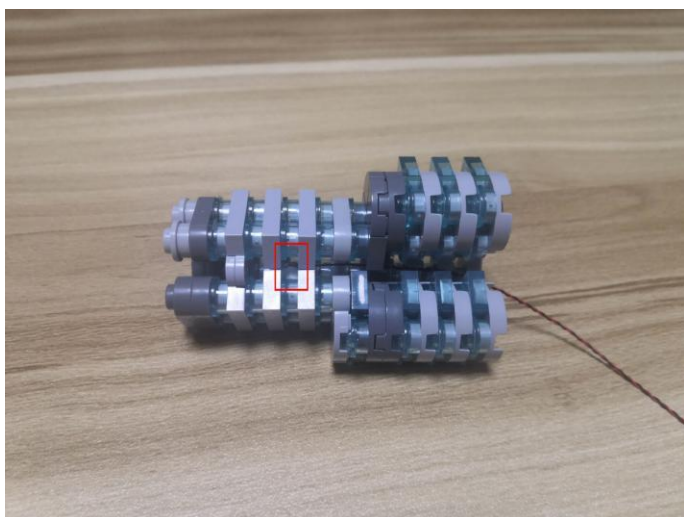
36.Take a white 30cm dot light, an adhesive square.

37. Thread the cable through the middle part as per below.
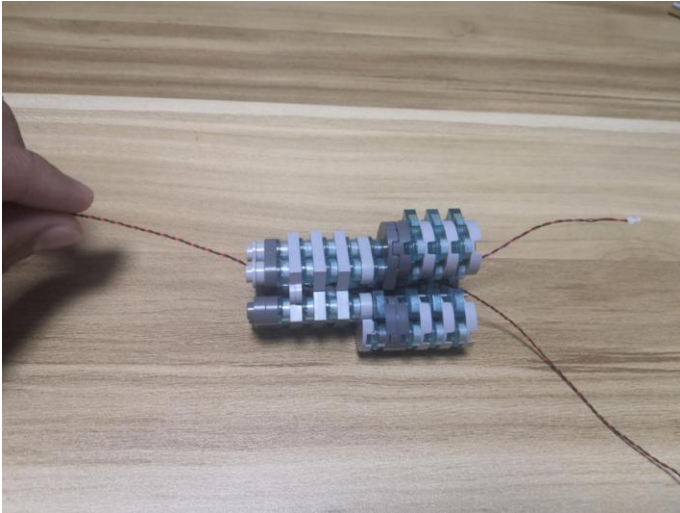
38. Take the top of the tower, stick the adhesive square to it.
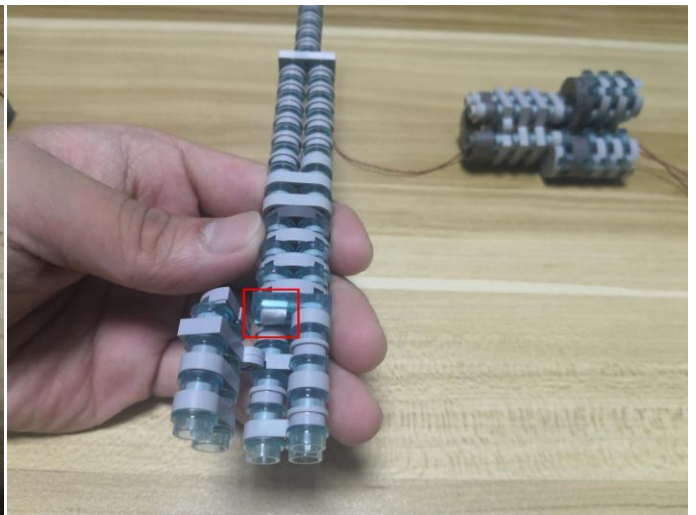
39. Stick the light to the following place.
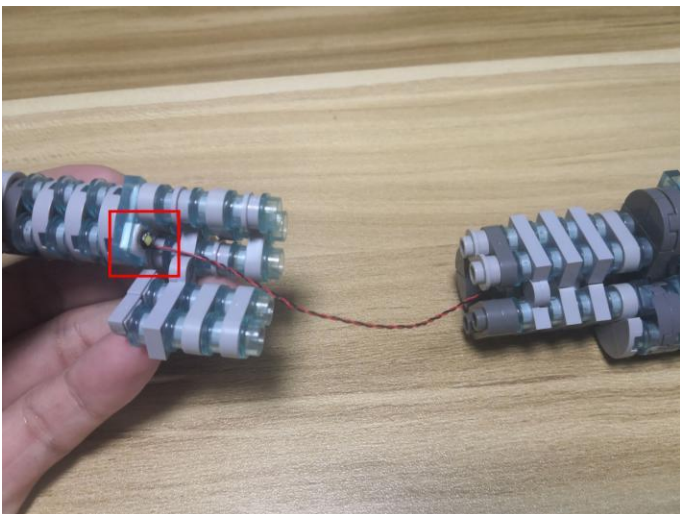
40. Reconnect the top.

41. Reconnect the upper part of the tower, save some room.
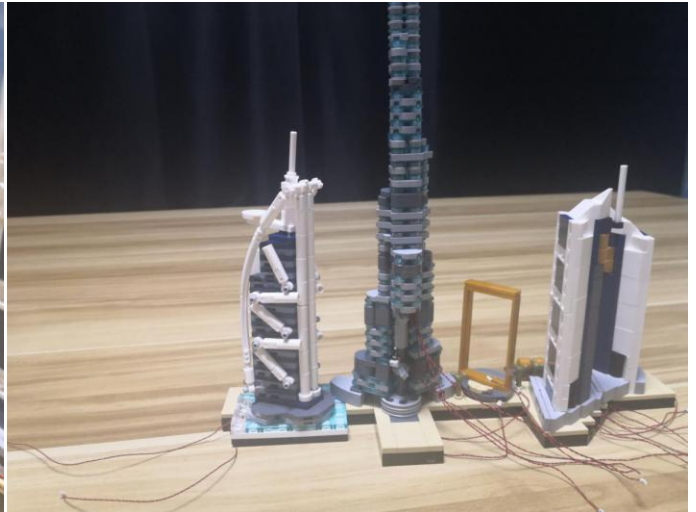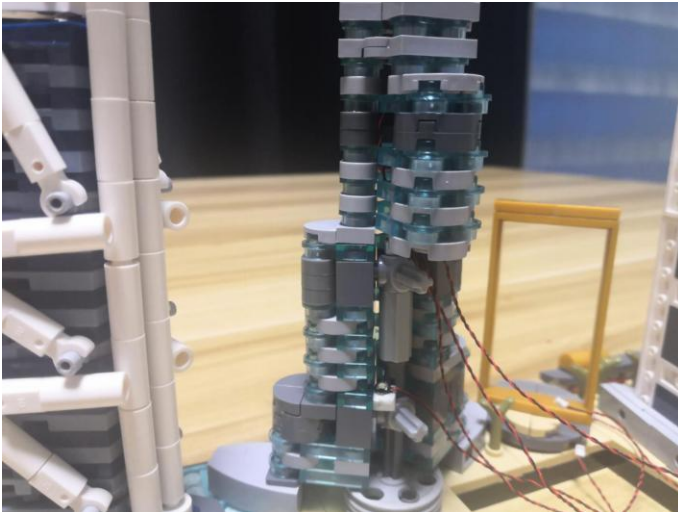
42. Reconnect the lower part of the tower, place the cable inside.
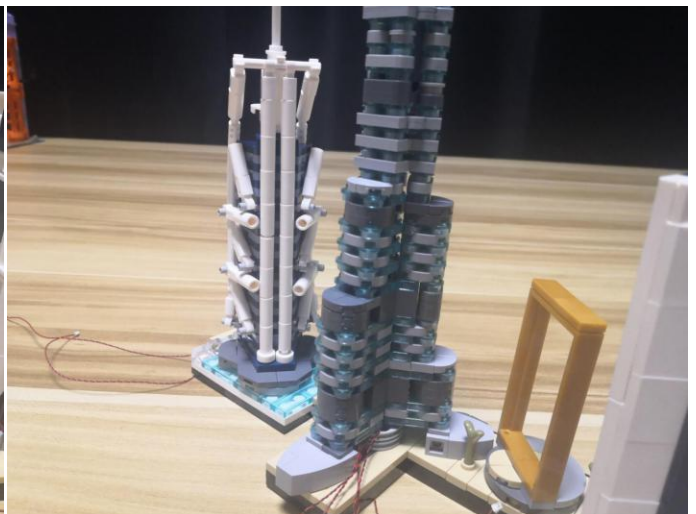
43.Create a gap at the following place with the tool.
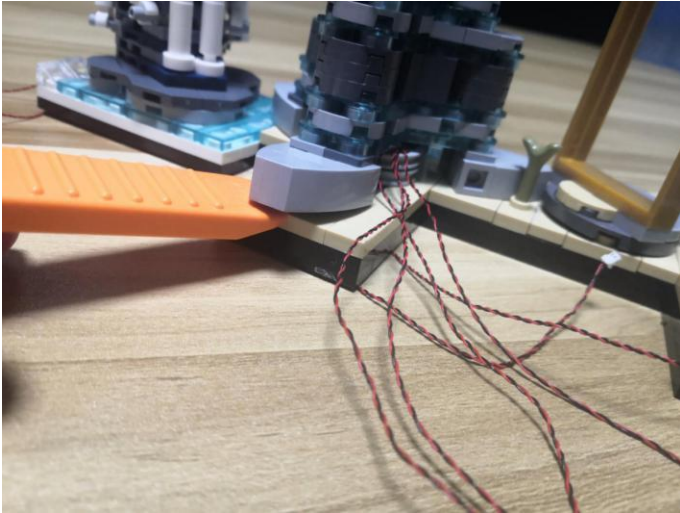
44.Press the cables underneath the gray piece as per below.
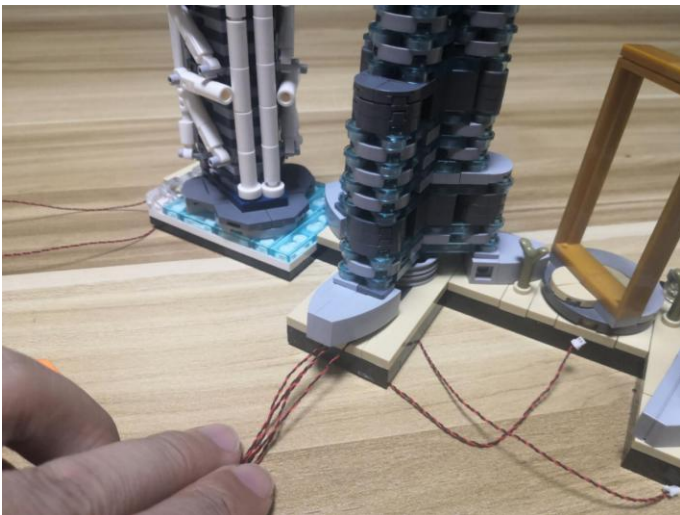
45.Take a blue 30cm dot light, an adhesive square.

46.Stick the adhesive square to the back of the light.

47.Stick the light to the following place.
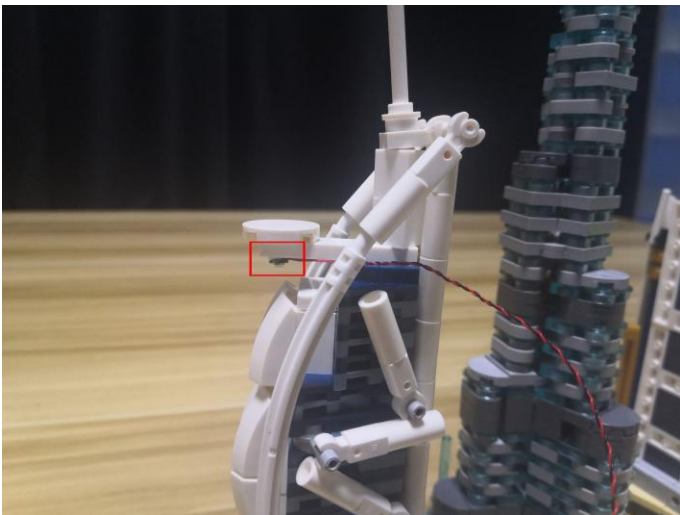
48.Create a gap at the following place with the tool.
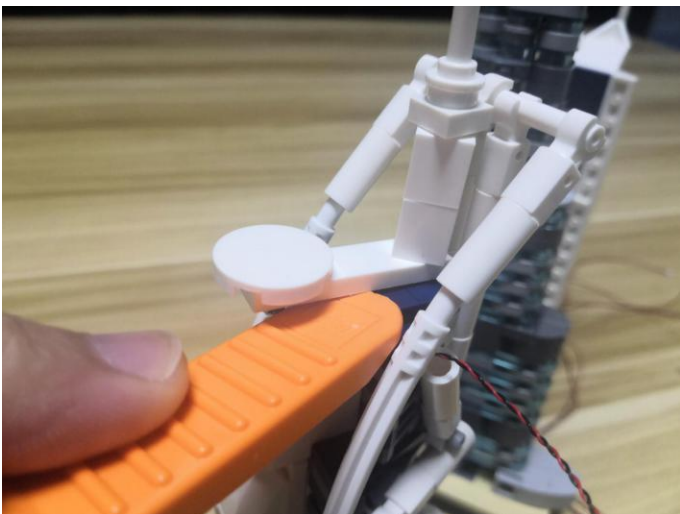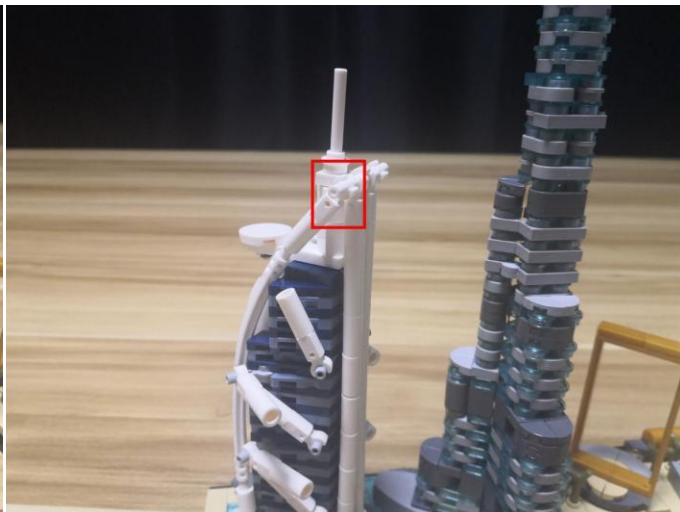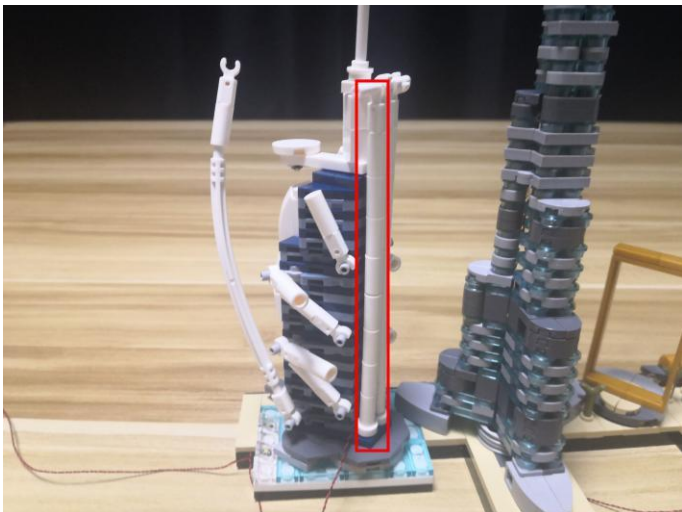
49.Disconnect the following 2 pieces.
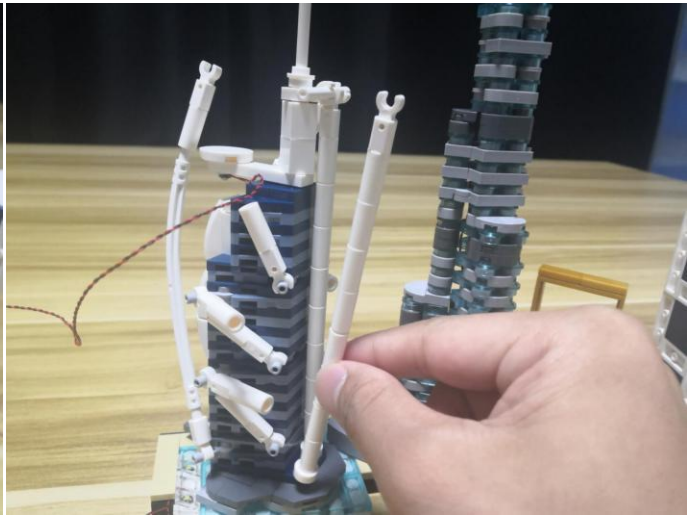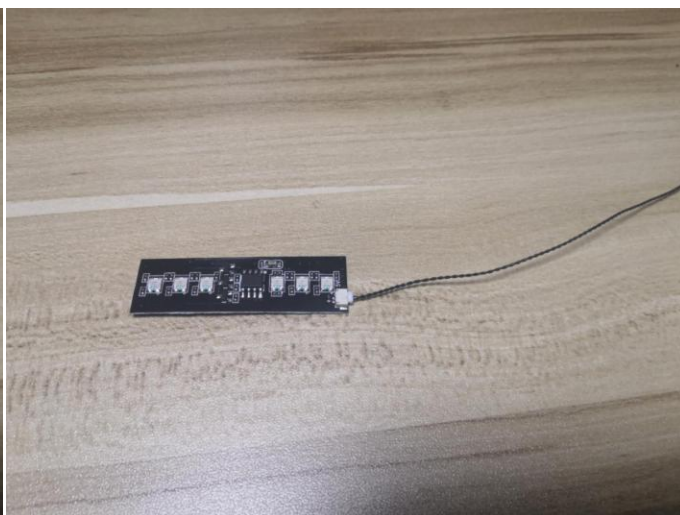

50.Place the cable inside the gap as per below.
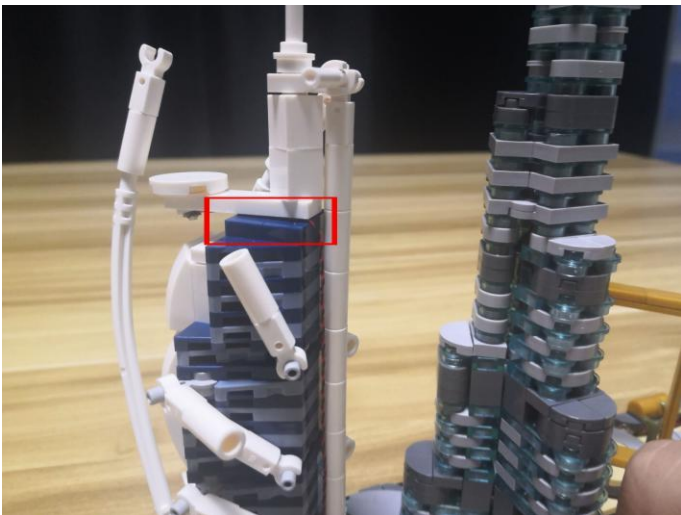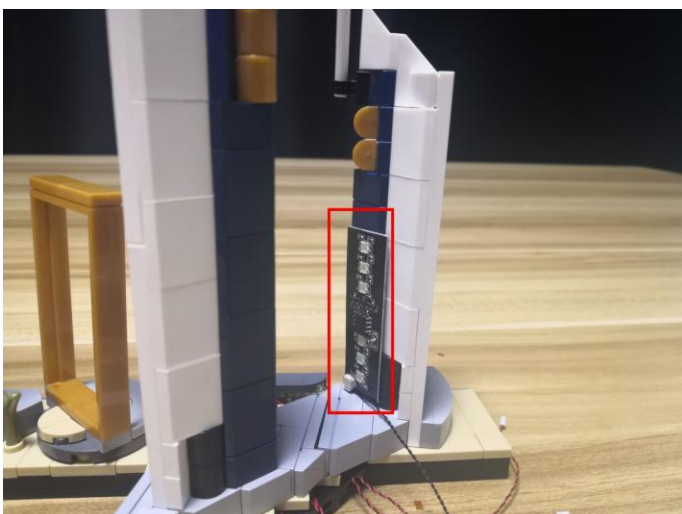

51.Place the cable as per below.
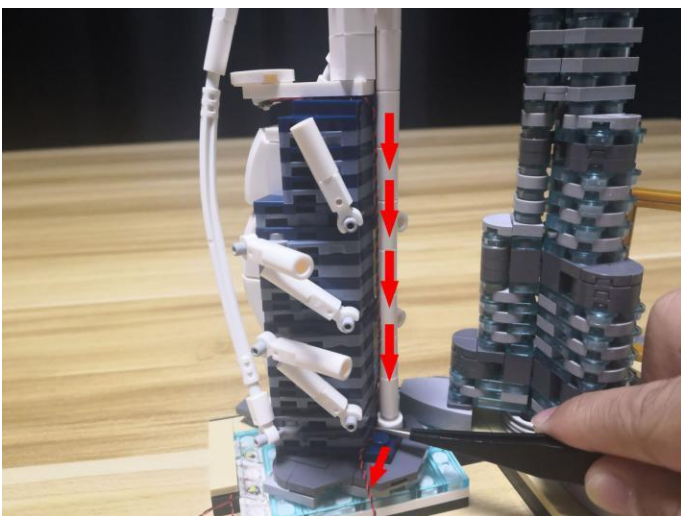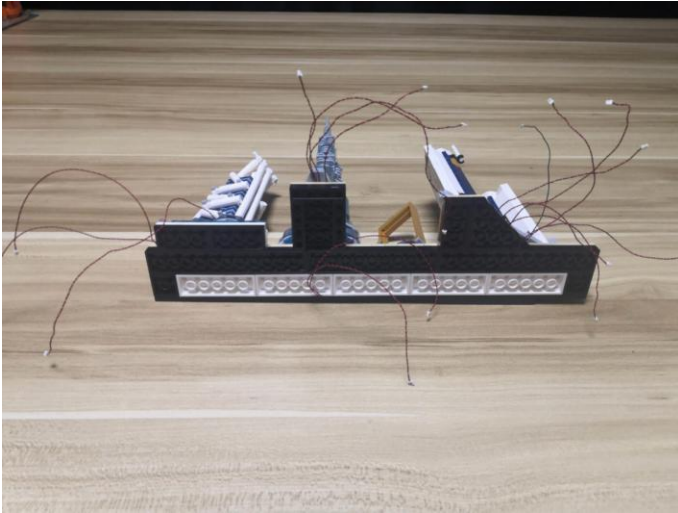
52. Reconnect the piece we disconnected before.

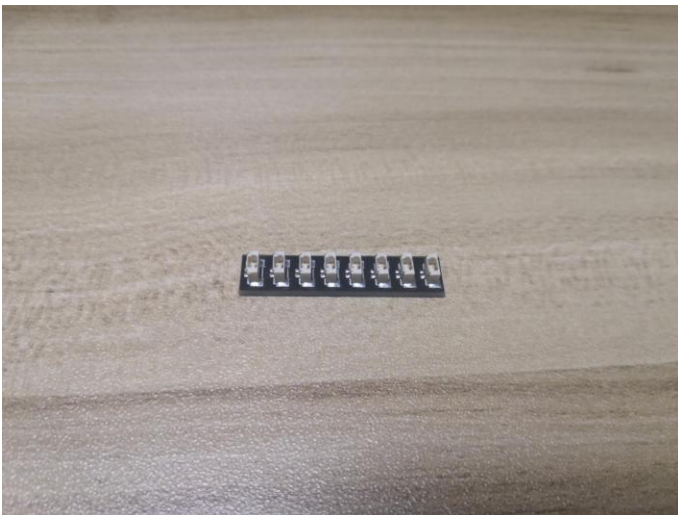## 53. Take a Multi Colour Background Light, a 15cm connecting cable, assemble them as per below.

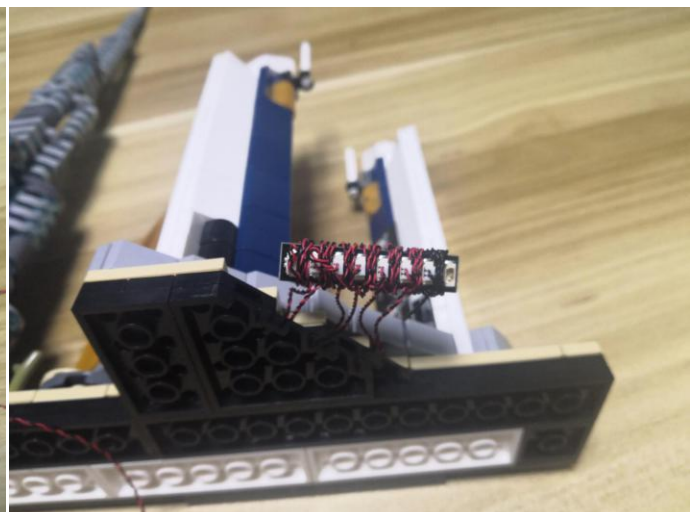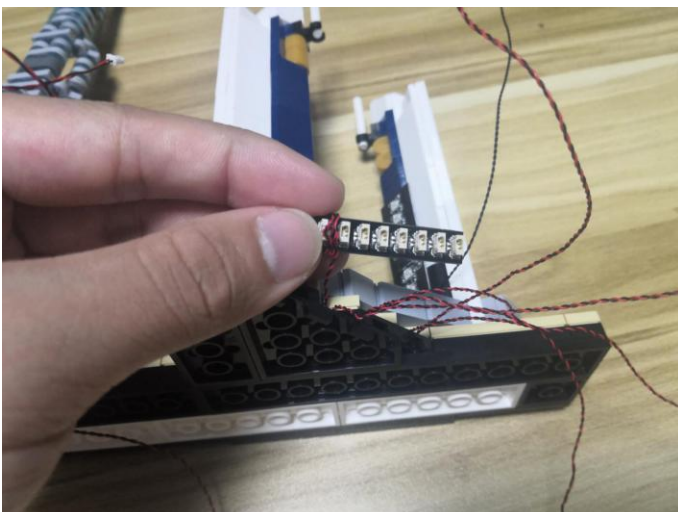## 54. Stick the Multi Colour Background Light to the following place.

55. Turn the whole piece over.

56. Take an 8-port expansion board.

57. Connect the cables from the right side to it, tuck excess cables around the expansion board.
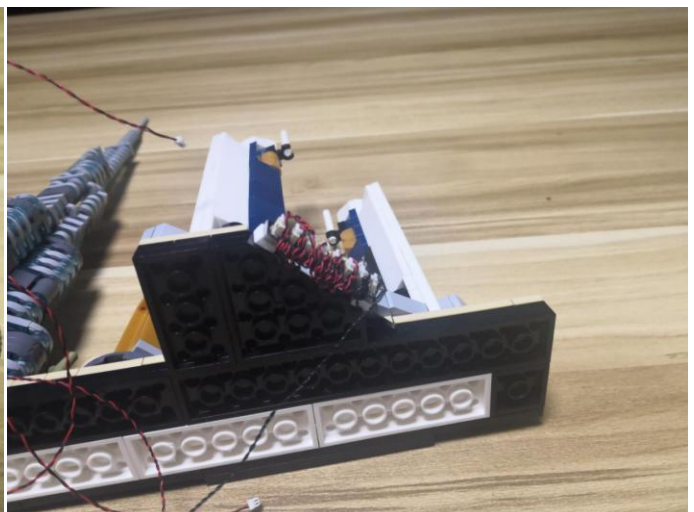
58. Take a 30cm connecting cable, 2 adhesive squares.

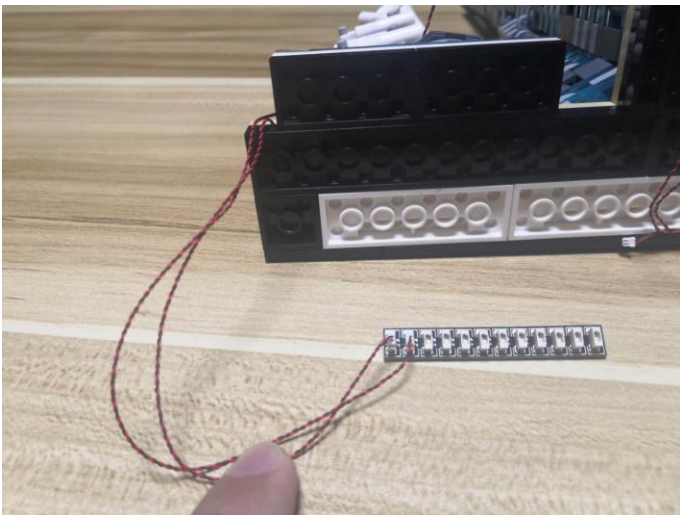## 59. Connect the connecting cable to the expansion board.

60. Stick the adhesive squares to the back of the expansion board, stick the expansion board to the following place.
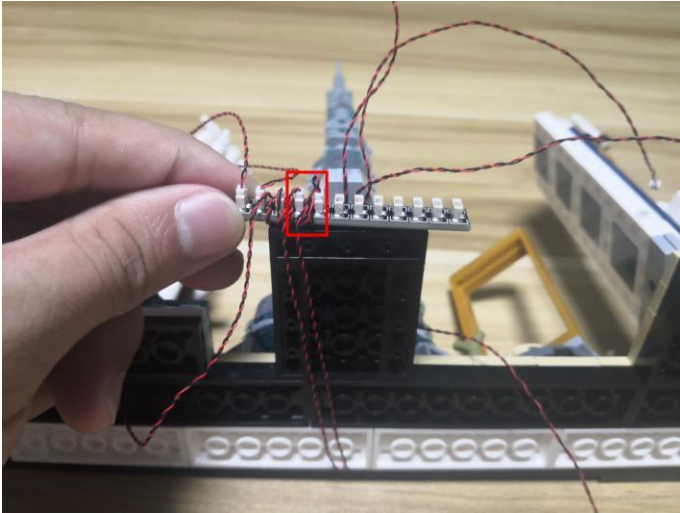
61. Take a 12-port expansion board.

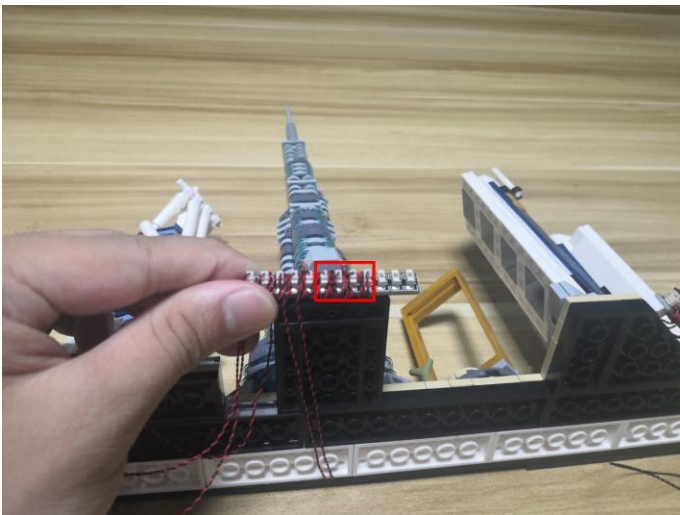# 62. Connect the 2 cables from the far left to the expansion board.

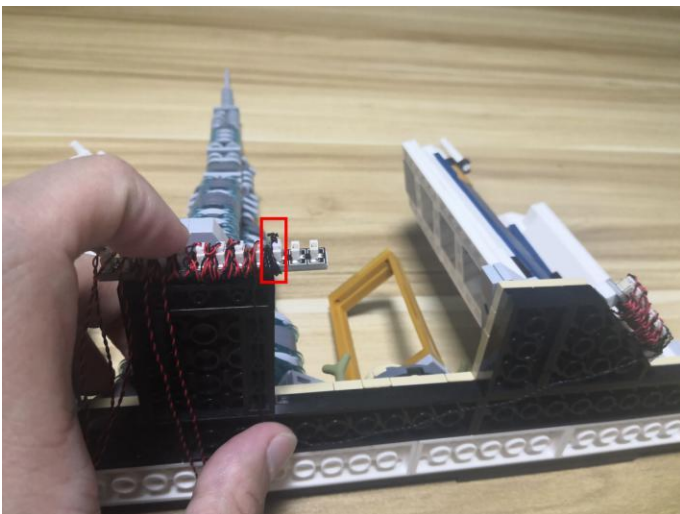# 63. Connect the following cables to the expansion board, you can tuck excess cables around the expansion board.
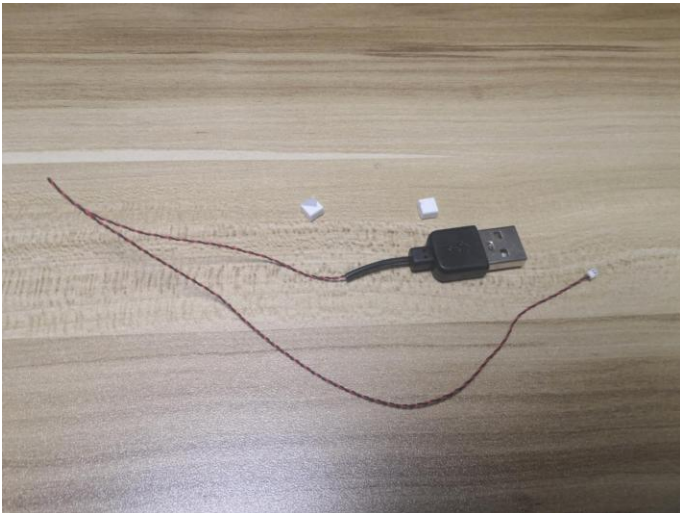
64. Connect the following 2 cables to it.

65. Connect the 4 cables from the middle of the top part to it.
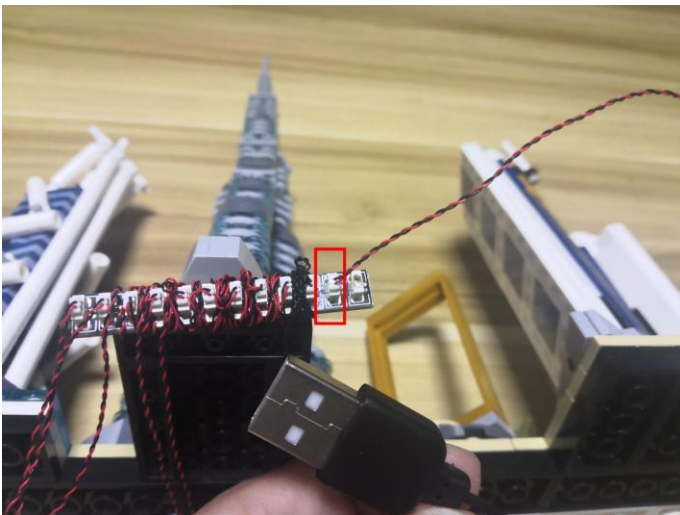

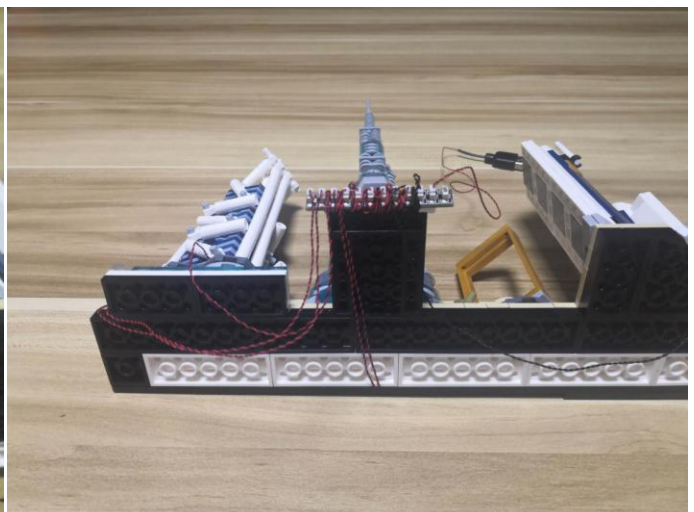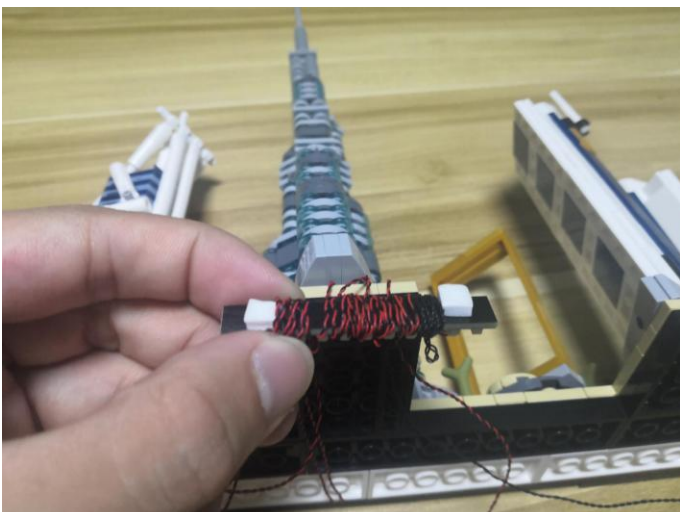# 66. Connect the 30cm connecting cable from the right side to it.

67.Take a USB cable, 2 adhesive squares.

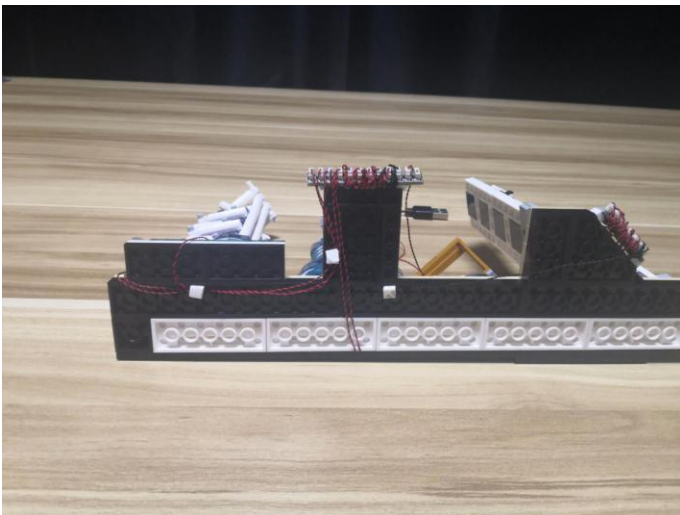
68.Connect the USB cable to the 12-port expansion board.

69.Stick the expansion board to the following place with adhesive squares.

70.Take 3 adhesive squares.

71.Tuck excess cables underneath as per below.

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